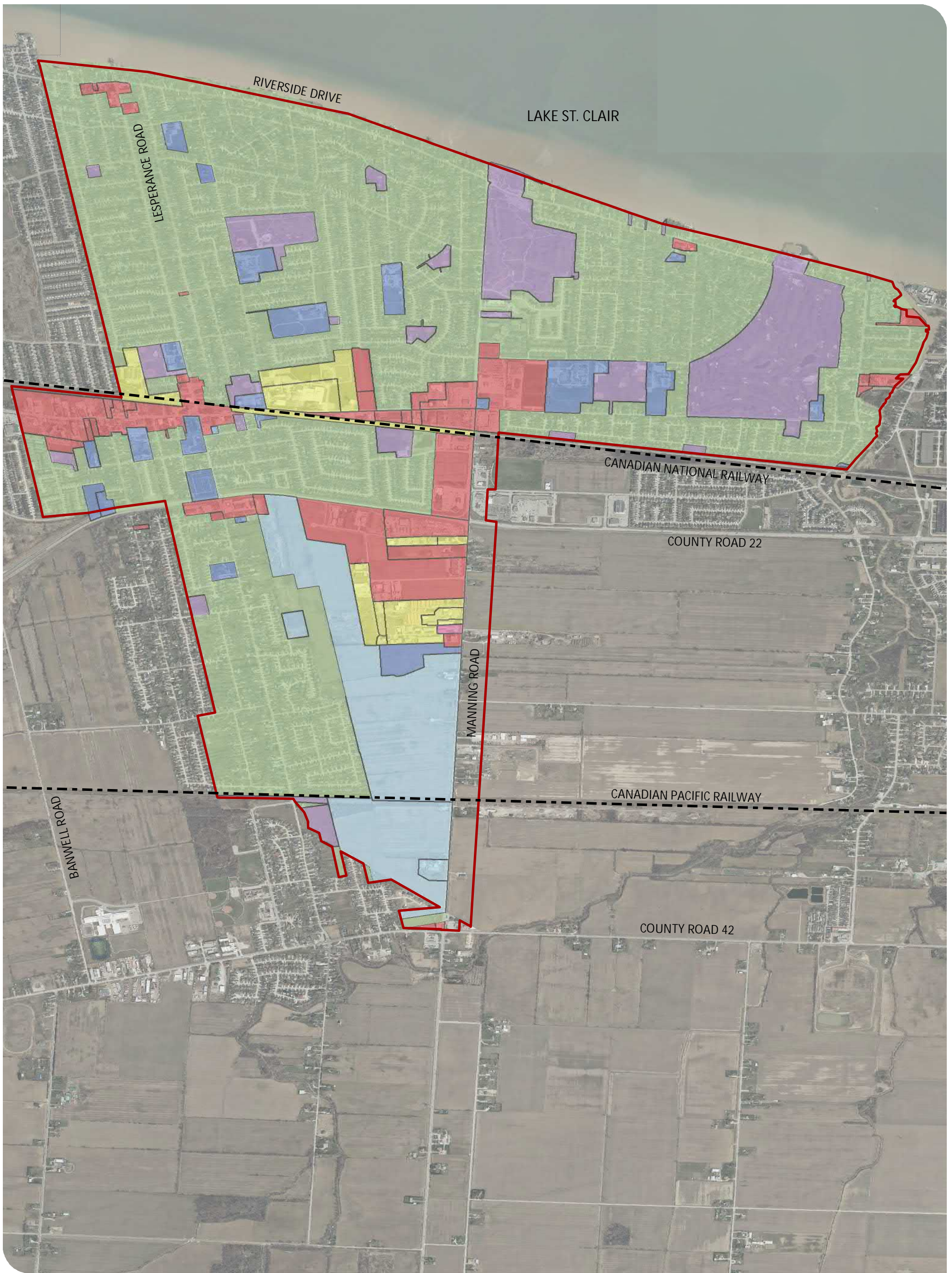


Appendix A

Background Investigation Report



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

LAND USE PLAN
FIGURE A-1

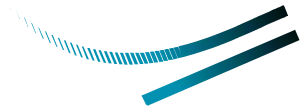


- | | | |
|---|---|--|
| ■ RESIDENTIAL | ■ COMMERCIAL | ■ RECREATIONAL |
| ■ AGRICULTURAL | ■ INDUSTRIAL | □ STUDY AREA |
| ■ BUSINESS | ■ INSTITUTIONAL | RAILWAY |



MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:NTS



DILLON
CONSULTING

TOWN OF TECUMSEH

Storm Drainage Master Plan

BACKGROUND INVESTIGATION SUMMARY REPORT

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References

1.0 Introduction

1.1 Background

The Town of Tecumseh completed a number of studies in 2016 to assess the current stormwater infrastructure throughout the municipality. These studies included assessments of the St. Marks, Scully (Edgewater) and Peter Cecile (Kensington) pumping stations and service areas, as well as a full condition assessment of all pump station facilities to understand their condition and effectively prioritize rehabilitation and replacement work in the future. The ultimate goal of the three specific pump station and service area studies were to identify the existing and future level of service and provide recommended improvements based on proposed future infrastructure improvements within the contributing areas. The condition assessments of all pump stations within the municipality was to review the current condition of each pump station and determine immediate repairs required to be undertaken and develop recommended programs for expected repairs and maintenance over a 10-year planning horizon.

Following the findings of the 2016 studies, the Town began discussions of completing a full Drainage Master Plan for the areas serviced by means of storm pump stations within the Municipality. At that time, a proactive decision was made to proceed with a more detailed drainage analysis and include full dual drainage modelling of the current storm infrastructure in place on pump stations within the Municipality. This study was set to begin in early 2017 and included an assessment of all eight (8) storm pump stations and an analysis of both the minor (sewer) and major (roadway) system conveyance capacities within the respective service areas. This study would determine the current level of service at each pump station and identify potential surface flooding issues that occur during large storm events. Recommendations upon completion of the study would include improvements necessary to increase the level of service to each pump station and provide remedial solutions to reduce surface flooding.

The purpose of this initial report is to summarize the findings from the background investigation completed for each study service area. This includes a review of the following:

- Previously completed stormwater management/storm drainage master plans, studies, EA's, functional servicing and design reports;
- Previously completed pump station and service area assessments;
- Relevant municipal drainage reports; and
- Data gaps within the Town of Tecumseh storm sewer networks including missing inverts and storm sewer sizes.

1.2 Study Area

The limits of the study area include County Road 42 to the south, Lake St. Clair to the north, Pike Creek to the east and the western extent of the Lesperance pump station service area east of Banwell Road to the west as shown on **Figure 1**.

1.2.1 Watershed

Watershed data was taken from the Essex Region Conservation Authority (ERCA) Online Mapping to determine the watersheds within the Tecumseh Storm Drainage Master Plan study area. It was determined that the lands contributing to the Brighton Road pump station and the gravity outfalls east of Brighton Road are part of the Pike Creek watershed. The remainder of the study area flows to the north towards designated storm pumping stations where they discharge to Lake St. Clair. For purposes of this study, this area has been identified as the Lake St. Clair watershed. The watersheds are identified within **Figure 1**.

1.2.2 Municipal Drains

The study area consists of four municipal drains which eventually outlet into Lake St. Clair through the Manning ETL D pump station. These municipal drains will be included within the modelling of the study area, taking into consideration existing cross sections, drain alignments and elevations.

Municipal drains falling into the study area include:

- Antaya Drain;
- Baillargeon Drain;
- Cyr Drain; and
- East Townline Drain.

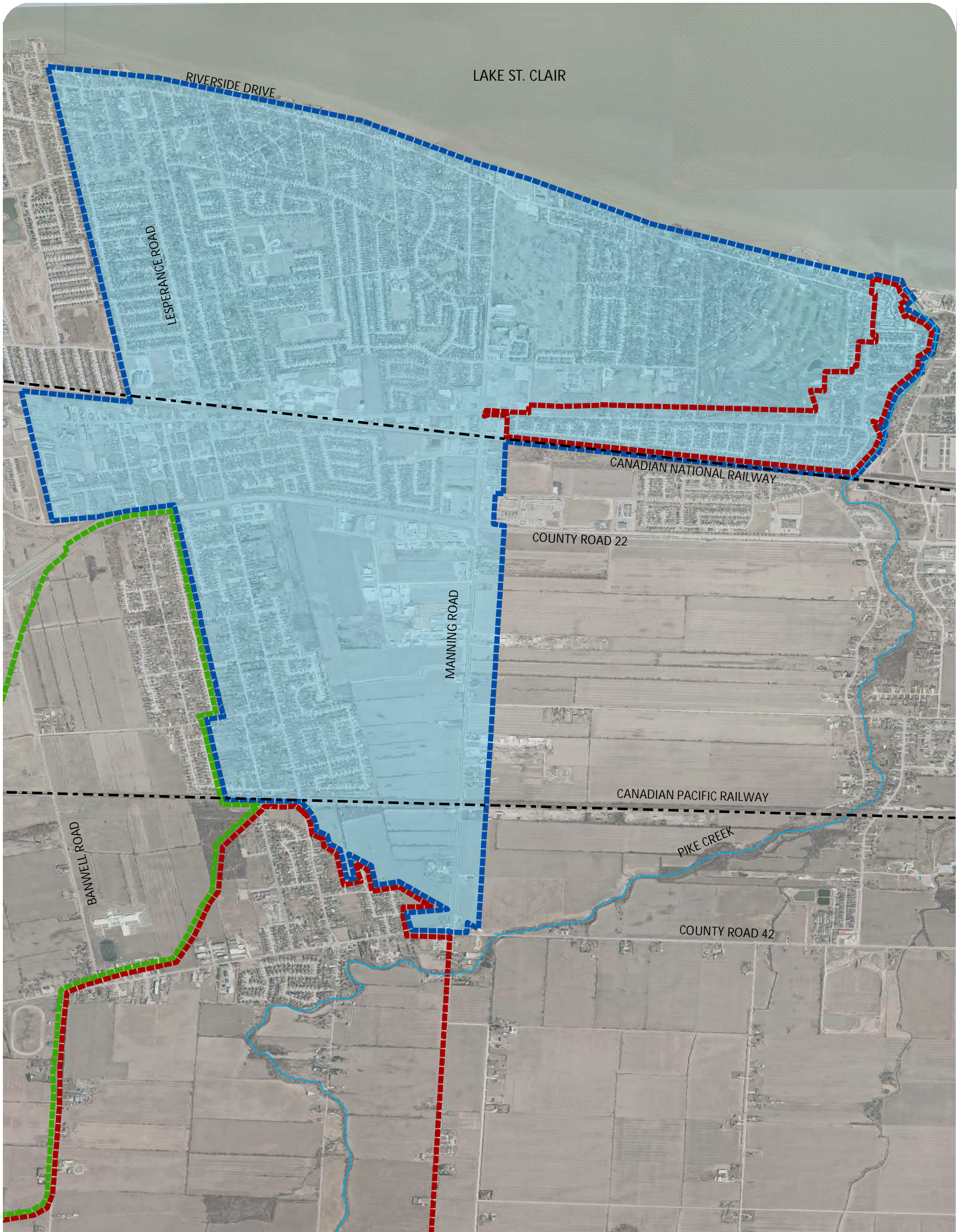
The Antaya, Baillargeon, and Cyr Drains all outlet into the East Townline Drain south of County Road 22.

1.2.3 Pump Station Service Areas

The study area is focused on seven (7) pump station service areas within the Lake St. Clair subwatershed and one (1) pump station service area within the Pike Creek subwatershed within the Town of Tecumseh. The study area includes a mixture of residential, commercial, industrial, institutional and agriculture lands. Provided below in **Table 1**, are the service areas for each pump station to be analyzed for this study.

Table 1: Study Area Service Areas

Service Area and Pump Station	Approximate Service Area (ha)
Lesperance Pump Station	273 ha
West St. Louis Pump Station	175 ha
East St. Louis Pump Station	91 ha
East Townline Drain Pump Station	481 ha
Scully (Edgewater) Pump Station	56 ha
St. Marks Pump Station	34 ha
Peter Cecile (Kensington) Pump Station	79 ha
Brighton Road Pump Station	73 ha



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

STUDY AREA

FIGURE 1



STUDY AREA



LAKE ST. CLAIR WATERSHED (VIA PIKE CREEK)



LITTLE RIVER WATERSHED



LAKE ST CLAIR WATERSHED

1.2.4 Gravity Outlets

The study will review the service areas for the following gravity outlets along the eastern edge of the study area which discharge directly into Pike Creek:

- Pilots Cove Residential Area;
- Mei-Lin Crescent; and
- Southwind/Starwood Crescent.

Figure 2 shows all municipal drain alignments, storm pump station and respective service areas and gravity outfall locations within the study area.

1.3 Study Purpose and Primary Tasks

The Storm Drainage Master Plan has been developed to address Phases 1 and 2 of the Municipal Class Environmental Assessment (Class EA) process (2000, as amended in 2015). This approach will involve the general public and government agencies for the development of a comprehensive, long-range storm drainage infrastructure plan through the definition of the problems and opportunities applicable to the study area, inventory of the environment and an identification and evaluation of alternative solutions to reduce surface flooding and increase the level of service for the storm conveyance system throughout the study area.

At the conclusion of the Class EA Master Plan process, preferred remedial flooding solutions for the study area will be recommended that would be sufficient to fulfill the requirements for Schedule B projects. As noted in Approach #2 of the Master Planning Process, this work will coincide with the following:

- Preparation of the Master Drainage Plan at the conclusion of Phases 1 and 2 of the Municipal Class EA where the level of investigation, consultation and documentation are sufficient to fulfill the requirements of a Schedule B project; and
- The Master Drainage Plan will provide a basis for future investigations.

The Town would then be in a position to implement the preferred solutions in stages subject to the availability of funding.

The study will include an evaluation of the capacity of the following components of the Town's storm drainage system in the study area:

- Minor drainage system (storm sewers and municipal drains);
- Major drainage system (overland flow along roadways); and
- Outlet operating capacity of the eight (8) storm pump stations.

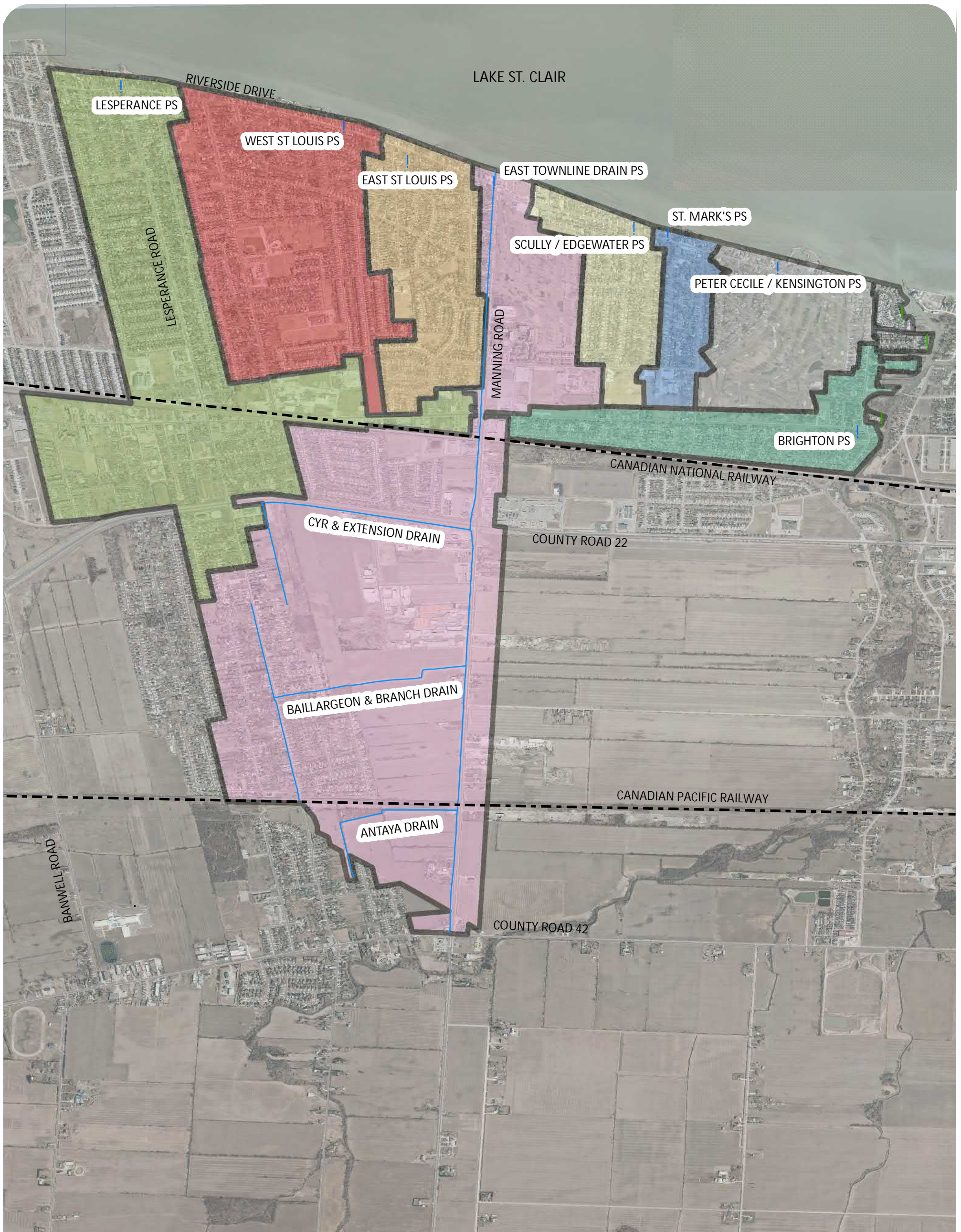
SWMM Modelling

Stormwater Management Modelling (SWMM) will be completed using the PCSWMM dynamic modelling program as part of this study. This software was the preferred selection, as it has many features such as stand-alone GIS management, design and analysis capabilities of typical and green infrastructure, flood delineation, sewer overflow mitigation and integrated analysis of 1D/2D modelling. The SWMM model will include:

- Construction of a 1D/2D hydrodynamic dual drainage model of the Town of Tecumseh storm sewer and overland flow systems including all current land uses, pumping stations, stormwater management facilities, municipal drains and storm outflows within the study area;
- Existing condition model analysis and remedial flooding solution design for the study area including, but not limited to:
 - Design of potential storm sewer infrastructure upgrades for areas with existing semi-urban (no curbs) cross sections;
 - Assessment of localized minor system deficiencies and solutions to bottlenecks;
 - Major system (overland) storage and conveyance/diversion upgrades;
 - Pump station upgrades; and
 - Considerations for implementation of green infrastructure, where applicable.

The range of alternative flooding solutions developed will be presented for public and agency input at two public meetings prior to finalizing the recommendations of the Storm Drainage Master Plan for the study area. It is anticipated that the two (2) public meetings will be held in late 2017 and in early 2018.

Overall, the Storm Drainage Master Plan will form a key component of the Town's broader program of sustainable infrastructure solutions that contribute to reducing the risks and impacts of flooding.



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

TECUMSEH PUMP STATION AND
GRAVITY OUTLET SERVICE
AREAS

FIGURE 2

- Gravity Sewer Outlets
- Pump Station

PUMP STATION NAME	APPROXIMATE DRAINAGE AREA (ha)
LESPERANCE PS	273.48
WEST ST LOUIS PS	174.88
EAST ST LOUIS PS	91.40
MANNING PS	480.95
SCULLY / EDGE WATER PS	55.88
ST. MARK'S PS	33.90
PETER CECILE / KENSINGTON PS	79.01
BRIGHTON PS	73.47

2.0 Existing Drainage System

Urban storm drainage systems are generally comprised of two components; the storm sewer system that collects and conveys runoff from lower intensity, more frequent rainfall events; and the overland drainage system that conveys runoff from higher intensity, less frequent rainfall events that exceed the capacity of the storm sewer system. These components of storm drainage systems are further described below.

2.1 Storm Sewer System

Storm sewers are only one component of a storm drainage system, generally known as the “minor system” and are only designed to convey the runoff from more frequent storm events. The 2003 Ministry of Environment Stormwater Management Planning and Design Manual recommends that storm sewer systems be designed for a 1:2 year to a 1:5 year return period frequency storm event.

In the Town of Tecumseh, storm sewer systems installed since the mid-1980’s have been designed for a 1:2 year level of service and more recently for some newer developments a 1:5 year level of service. In older areas of the Town, the minor storm drainage system may not meet these design guidelines, including those areas having rural cross sections with roadside drainage systems.

During more severe rainfall events, the capacity of the minor storm sewer system is exceeded, resulting in surcharging and flooding of streets and lower lying areas.

2.2 Overland Flow System

Overland flow routes form the balance of the storm drainage system, generally known as the “major system”, conveying runoff that exceeds the capacity of the minor storm drainage system. Overland flow routes generally include streets and lower lying areas that follow the general topography of the land. In newer areas, overland flow routes are designed and constructed as part of the overall drainage system.

During larger, more extreme rainfall events, the standards for using a road as a floodway are set by the local municipality. General criteria for roadway design to accommodate overland flow is detailed within the 2003 Ministry of Environment Stormwater Management Planning and Design Manual. The Town of Tecumseh has traditionally allowed for no more than 0.30 m of surface ponding during the 1:100 year event based on static grading design. The roadway grading design can generally meet this design criterion by having road sags no more than 0.30 m lower than the nearest highpoint elevation. In the past, there was no mandatory overland flow modelling requirements across the province or within the Town to dynamically analyze the overland flow network and confirm that roadway ponding depths did not exceed 0.30 m for the 1:100 year event. New Windsor/Essex Region Stormwater Management

Standards Manual (December, 2018) have been developed to assist with future planning, design and analysis of overland flow systems and dynamic surface ponding along roadways and parking lots.

It is noted that the September 2016 rainfall event was beyond a 1:100 year event, which caused the Municipality to experience surface flooding that exceeded the acceptable level as a result of this storm.

3.0 Data Collection and Review

3.1 Town GIS Data Acquisition and As-Built Drawings

The project team obtained digital storm infrastructure data from the Town of Tecumseh geodetic storm sewer database to complete an initial review of the network within the study area. The model buildout for the study included the following:

- Storm sewers greater than or equal to 450 mm in diameter;
- Storm sewers less than 450 mm in diameter where warranted;
- Respective manholes and catch basins for the imported storm sewer system; and
- Catch basin lead pipes from the catch basin to the municipal storm sewer system.

Review of the storm sewer network data identified gaps in design information, which included missing pipe inverts. As-built drawings were obtained either through the Town of Tecumseh Interactive Mapping or provided by the Municipality to review data gaps and confirm existing infrastructure information. Where no as-built drawings or design information was obtained, field surveys were completed by both the Town of Tecumseh and Dillon Consulting Limited to fill in the remainder of the missing invert information.

3.1.1 Residential Development On-Site Controls

Through a review of the as-built drawings, it was determined that within the study area, multiple residential developments have oversized storm sewers and inlet control devices which control outflow into the downstream storm trunk sewer. Provided below are the currently known residential streets with controlled outlets to the downstream trunk sewers and their corresponding oversized storm sewer details and outlet restrictor size:

Jason Court

- 237 m of 900 mm Diameter Sewer
- 150 mm dia. ICD @ STM MH3965 to St. Gregory's Road

Village Grove Drive/Tuscany Crescent

- 497 m of 900 mm Diameter Sewer
- 150 mm dia. ICD @ STM MH4462 to St. Gregory's Road

Calvary Crescent

- 178 m of 600 mm Diameter Sewer
- 150 mm dia. ICD @ STM MH3856 to Lesperance Road

Lessard Street

- 178 m of 600 mm Diameter Sewer
- 150 mm dia. ICD @ STM MH4202 to Lesperance Road

Chornoby Crescent/Westlake Drive

- 570 m of 900 mm Diameter Sewer
- 150 mm dia. ICD @ STM MH3128 to Westlake Drive

Papineau Court

- 226 m of 750 mm Diameter Sewer
- 150 mm dia. ICD @ STM MH82 to Lesperance Road

Gauthier Drive/Valente Court

- 766 m of 750 mm Diameter Sewer
- 53 m of 900 mm Diameter Sewer
- 300 mm dia. ICD @ STM MH311 to Lesperance Road

Gauthier Drive/Oliver Drive

- 60 m of 525 mm Diameter Sewer
- 51 m of 675 mm Diameter Sewer
- 79 m of 750 mm Diameter Sewer
- 169 m of 900 mm Diameter Sewer
- 250 mm dia. ICD @ STM MH298 to Lesperance Road

Southfield Drive

- 292 m of 750 mm Diameter Sewer
- 188 m of 600 mm Diameter Sewer
- 120 m of 2400 mm x 2400 mm Box
- 250 mm dia. ICD @ STM MH1637 to Tecumseh Road

Carmelita Court

- 219.50 m of 600 mm Diameter Sewer
- 200 mm dia. ICD @ STM MH311 to Lesperance Road

3.1.2 Industrial/Commercial/Institutional Development On-Site Controls

Throughout the background investigation, it was determined that on-site quantity control may be provided for existing Industrial, Commercial and Institutional (ICI) developments within the study area. The project team and the Town of Tecumseh reviewed all available as-built drawings and municipal

building permit files to gather any servicing drawings and SWM reports found which may provide more information on the SWM strategy and design used for each site.

Due to the age of most of the ICI developments, it was very difficult to find private property design files for the study area. The following design files were found to identify on-site quantity control:

- Lakewood Condominiums Phase 2 – 200 Manning Road, Tecumseh, ON;
- A.V. Graham Public School Parking Lot Reconstruction – 815 Brenda Crescent, Tecumseh, ON;
- Tecumseh EMS – 975 Lesperance Avenue, Tecumseh, ON;
- Apartment Building Complex – 1310 Lesperance Road, Tecumseh, ON;
- Ecole Saint-Antoine Parking Lot – 1317 Lesperance Road, Tecumseh, ON;
- Jamsyl Centre Mini Mall – 1606 Sylvestre Drive, Tecumseh, ON;
- Tecumseh Home Hardware – 1613 Lesperance Road, Tecumseh, ON;
- Commercial Development (McDonalds) – 1613 Manning Road, Tecumseh, ON;
- Parking Lot Expansion – 1620 Sylvestre Drive, Tecumseh, ON;
- Manning West Commercial Development (Golf Town Plaza) – 1695 Manning Road, Tecumseh, ON;
- Villa Pia Investments Commercial Development (Frank’s Brewery) – 12002 Tecumseh Road, Tecumseh, ON;
- Commercial Development Addition – 13039 Tecumseh Road, Tecumseh, ON;
- Tecumseh Medical Centre Commercial Plaza – 13278 Tecumseh Road, Tecumseh, ON;
- BK Cornerstone Sales Office – 13405 Desro Drive, Tecumseh, ON; and
- Tecumseh Retirement Residence – 13500 Riverside Drive, Tecumseh, ON;
- New Commercial Plaza – 14306 Tecumseh Road, Tecumseh, ON; and
- Zehrs Tecumseh Plaza – Tecumseh, ON.

Where no SWM design information was found, LiDAR topographic mapping will be used to determine any on-site surface storage along private ICI developments. Compiled as-built or civil drawings with no corresponding SWM design reports will be reviewed and the minor system from the development will be restricted to the size of the outlet pipes into the public storm sewers.

3.2 Pump Stations

A review of each pump station was completed within the study area to determine the current capacity and operating characteristics to incorporate within the model. The background investigation included the following:

- Field investigation for each of the eight (8) pump stations to determine the current operating characteristics, including lead, duty and standby orientation, up to date on/off elevations and to get an understanding of the process for each station; and
- Review of all available as-built design information including drawings, design reports and operating manual;
- Review of available pump curves; and

- Spaans Babcock assessment of current theoretical capacity of all screw pumps based on current measurements of the existing pumps.

Provided below in **Table 2**, identifies the operating characteristics for each pump station in relation to the individual pumps. Note that the screw pump capacities were taken based on the Spaan Babcock assessment to determine the current theoretical capacity of the screw pumps within the Lesperance, West and East St. Louis pump stations. It was determined that through this capacity analysis, the screw pumps are not meeting the design capacity and are underpowered. This pump station data will be incorporated into the model to assess the existing outlets and the current level of service for each service area.

Table 2: Pump Station Operating Characteristics

Station	Town Pump #	Capacity (m ³ /s)	On Elevation (m)	Off Elevation (m)	Comments
Lesperance Pump Station	1	1.740 m ³ /s	173.20	172.20	Lag Pump #2
	2	1.740 m ³ /s	172.20	171.20	Lag Pump #1
	3	1.403 m ³ /s	171.20	169.90	Lead Screw Pump
West St. Louis Pump Station	1	1.690 m ³ /s	170.11	169.33	Lead Screw Pump
	2	1.690 m ³ /s	170.62	169.68	Lag Screw Pump
East St. Louis Pump Station	1	1.690 m ³ /s	172.20	171.79	Lead Screw Pump
	2	1.690 m ³ /s	172.65	172.13	Lag Screw Pump #1
	3	1.690 m ³ /s	173.26	170.79	Lag Screw Pump #2
Manning ETLD Pump Station	1	2.490 m ³ /s	173.38	173.10	Larger pumps run on a Lead-Lag System with 1 Lead, 2 Lag and 1 Standby
	2	2.490 m ³ /s	172.75	172.00	
	3	2.490 m ³ /s	173.38	173.10	
	4	2.490 m ³ /s	-	-	Auxiliary Pumps rotate between Lead and Standby
	5	0.125 m ³ /s	172.60	172.00	
	6	0.125 m ³ /s	-	-	
Scully (Edgewater) Pump Station	1	0.397 m ³ /s	174.50	171.90	Pumps switch between Lead and Lag
	2	0.397 m ³ /s	174.96	171.91	
	3	Unknown	-	-	Third pump used for emergencies.
St. Mark's Pump Station	1	0.347 m ³ /s	173.54	172.62	Pumps switch between Lead and Lag
	2	0.347 m ³ /s	-	-	
Peter Cecile (Kensington) Pump Station	1	0.397 m ³ /s	174.10	171.91	Lead Pump
	2	0.397 m ³ /s	174.96	171.91	Lag Pump
Brighton Road Pump Station	1	0.750 m ³ /s	171.94	171.24	Larger pumps run on a Lead-Lag System with 1 Lead, 2 Lag and 1 Standby
	2	0.750 m ³ /s	171.94	171.24	
	3	0.750 m ³ /s	171.94	171.24	
	4	0.750 m ³ /s	-	-	Auxiliary Pumps rotate between Lead and Standby
	5	0.075 m ³ /s	170.44	169.55	
	6	0.075 m ³ /s	-	-	

3.2.1 Spaans Backcock Assessment of Existing Screw Pumps

During the background investigation process, a theoretical capacity review of the screw pumps for the Lesperance, West and East St. Louis pump stations was completed by Spaans Babcock. It was identified that the East St Louis pump seemed to be in the best shape for staying close to design capacity and the West St Louis screw pumps are recommended to be refurbished. With existing gaps varying throughout the screw pumps within the West St. Louis station, it could indicate an alignment issue or even a failed bearing.

3.2.2 Completed Improvements

Improvements to the Town's stormwater pumping stations prior to the September 2016 flooding event were completed to enhance the level of service and provide back-up power to the stations.

The following is a brief summary of the storm pumping station improvements that have been undertaken by the Town to date:

Brighton Road Pumping Station Improvements (Original PS Constructed in 1985):

1. The Brighton Road Pumping Station was replaced in its entirety in 2008;
2. The upgraded facility has a firm capacity of 2.25 m³/s; and
3. An emergency back-up generator was incorporated to maintain operation during a power failure.

Peter Cecile (Kensington) Pumping Station (Original PS Constructed in 1974):

1. An emergency back-up generator was installed in 2013 to maintain operation during a power failure.

St. Mark's Pump Station (Original PS Constructed in 1957):

1. Mechanical and electrical upgrades were completed in 1988;
2. A new roof was installed to provide access to the pumps in 2006; and
3. An emergency back-up generator was installed in 2013 to maintain operation during a power failure.

Scully (Edgewater) Pumping Station (Original PS Constructed in 1974):

1. An emergency back-up generator was installed in 2013 to maintain operation during a power failure.

Manning ETLD Pumping Station (Original PS Constructed in 1957):

1. A second pumping station was constructed in 1969;
2. Pump upgrades were completed in 1975;
3. Superstructure upgrades were completed in 1992; and
4. The Manning ETLD Pumping Station was replaced and upgraded in its entirety in 2013, with a pumping capacity of 7.47 m³/s. Emergency back-up power supply was included within the replacement.

East St. Louis Pump Station (Original PS Constructed in 1980):

1. An emergency back-up generator was installed in 2013 to maintain operation during a power failure.

West St. Louis Pump Station (Assumed Original PS Constructed in 1980):

1. The pumping station was expanded for the installation of screw-type pumps in 1991; and
2. An emergency back-up generator was installed in 2013 to maintain operation during a power failure.

Lesperance Pumping Station (Original PS Constructed in 1957):

1. A new motor was installed in 1973;
2. The first expansion to the existing pumping station was completed in 1976, including mechanical components, electrical work and the installation of an outfall sewer;
3. Another expansion was completed in 1986, including installation of a new outfall sewer and modifications to the existing station;
4. Another expansion was completed in 2002;
5. Roof upgrade was completed in 2004; and
6. An emergency back-up generator was installed in 2013 to maintain operation during a power failure.

3.3 LiDAR Topographic Mapping

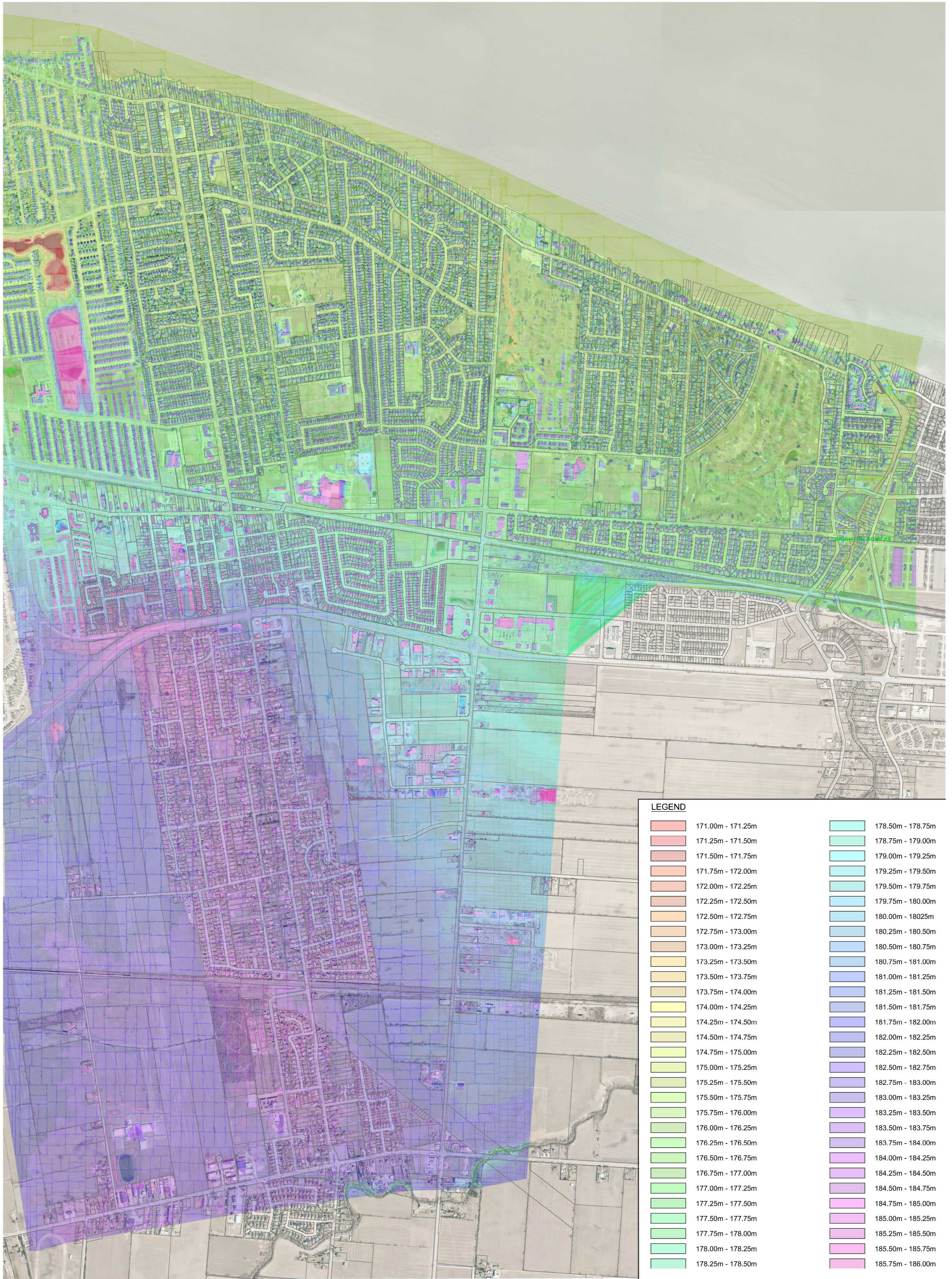
In the Town of Tecumseh, the topography generally falls towards the north, with lower lying areas located to the northwest (from Lesperance to Lacasse), and to the northeast (from Edgewater to Brighton Road). A topographic LiDAR was recently completed for the study area which illustrates these low lying areas. The results of the LiDAR mapping has been provided on the elevation heat map on **Figure 3**.

3.4 Existing Semi-Urban Areas

There are a number of existing residential neighbourhoods within the study area which currently have semi-urban roadway cross sections. The storm conveyance for these areas consists of roadway swale/pipe systems with catchbasin inlets connecting the two systems. Through discussions with the Town, a review of the existing sewer infrastructure as-built data and completion of existing condition analysis projects for the area, it is determined that the storm conveyance system for these areas are designed for a level of service either at or less than a 1:2 year storm event. The storm sewer infrastructure is therefore proposed to get upgraded to a higher level of service (1:2 or 1:5 year depending on the capacity of the outlet) upon reconstruction of the roadways. The recommended level of service will be confirmed upon model analysis. These areas include the following:

1. Kensington Dish Area:
 - Kensington Boulevard
 - Burlington Road

- Warwick Road
 - Clovelly Road
 - Rutland Road
 - Essex Road
2. Coronado Dish Area:
 - Coronado Drive
 - Dillon Drive between Lacasse Boulevard and Barry Drive
 - Barry Avenue
 - Keith Court
 - Burdick Crescent
 - Mason Place
 - Percy Place
 3. Arlington Boulevard;
 4. St. Marks Road;
 5. Edgewater Boulevard;
 6. St. Anne Area including:
 - St. Anne Street between North Pacific Avenue and Gouin Street.
 - Portions of North Pacific Avenue, Intersection Road, Maisonneuve Street and Gouin Street within the study area.
 7. Tecumseh Road; and
 8. Pentilly Road.



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

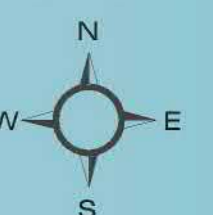
LIDAR ELEVATION MAP
FIGURE 3



CREATED BY: DAM
CHECKED BY: RTL
DESIGNED BY: DAM

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Tecumseh Master Drainage Study\Project Workspace\2. Technical
Workspace\1. Engineering\Drawings and Figures\164880-02-CIV-FIG

SCALE 1:10,000



PROJECT: 16-4880 STATUS: FINAL DATE: JULY 2017

4.0 Modelling Methodology/Assumptions

Throughout the course of the background investigation, it was identified that there were known data gaps within the study area that could not be complete. This included:

- Missing invert elevations within the storm sewer network;
- Missing design information (i.e. SWM calculations, Servicing Drawings, etc.) for existing ICI areas; and
- Unknown information for drainage along railways.

The following methodology and assumptions are to be used during the model development and analysis for the Tecumseh Storm Drainage Master Study:

Public/Private Roadways

- Storm sewer manholes, catchbasin locations and storm sewer layouts including diameters, sewer lengths and known invert elevations are determined based on digital storm infrastructure data from the Town of Tecumseh's geodetic storm sewer database;
- On-grade elevations for storm sewer manholes, roadway high points, low points and catchbasin locations will be determined based on the LiDAR topographic mapping completed for the study;
- Inflows for both single and twin catchbasins "in-sag" along the roadway network will be governed by the inlet capacity of the catchbasin grates. Inlet capacity road sag curves will be generated based on Design Chart 4.19 of the MTO Drainage Management Manual for catchbasin grates OPSD 400.01 and 400.03; and
- The Town of Tecumseh currently does not have capture-bypass curves available for the catchbasin grates used throughout the Municipality. Inflows for catchbasins on "continuous grade" along the roadway network will be represented by typical catchbasin capture-bypass curves from MTO for an average longitudinal roadway slope for the area. This simplistic approach should be sufficient for this study, as the main focus is the analysis during major storm events where the sewers are fully submerged.

Residential Lands

- Rear yard drain connections will not be taken into consideration during this study;
- Local depression storage for residential properties will be determined based on the LiDAR topographic mapping; and
- Existing soil conditions will be determined based on known information provided by GIS Soils data by OMAF Soils Mapping.

ICI Lands

- Minor system will be restricted to the capacity of the outlet sewer (if known) or to the 1:2 year event (assumption if outlet sewer size is unknown) where no SWM design has been determined;

- Surface storage for each development will be calculated based on the existing surface grading identified from the LiDAR topographic mapping completed for the study; and
- The LiDAR topographic mapping will determine spill-over elevations from the ICI lands beyond the existing surface storage to the public right-of-way.

5.0 Previous Background Studies

Through a review of the Town's inventory of background documents, the following studies were obtained for review as part of the Storm Drainage Master Plan:

- The Village of St. Clair Beach Report on Storm Drainage (M.M. Dillon, January 1970);
- Tecumseh Hamlet Storm Drainage Study for the Township of Sandwich South (M.M. Dillon, June 1979);
- St. Clair Beach Stormwater Pumping Study (M.M. Dillon, October 1983);
- Township of Sandwich South Master Drainage Plan (N.K. Becker and Associates, December 1987);
- Shawnee Road and Arbour Street Area Improvements Class EA (Dillon, September 2009);
- Town of Tecumseh MRSPA SWM Study Class EA ESR Report (Dillon, April 2010);
- Town of Tecumseh Sanitary Sewer Assessment Report (Dillon, May 2011);
- Town of Tecumseh East Townline Drain Hydrology and Hydraulic Study Report (Dillon, June 2012);
- Lakewood Park South Design Brief for Channel Design (Odan Detech, October 2014);
- Town of Tecumseh MRSPA Functional Servicing Report (Dillon, April 2015);
- Town of Tecumseh MRSPA SWM ESR Addendum Final Report (Dillon, April 2015);
- Town of Tecumseh St. Mark's and Scully (Edgewater) Storm Pump Stations – Review of Drainage Areas and Storm Servicing Alternatives (Dillon, August 2016);
- Peter Cecile (Kensington) Storm Pump Station – Review of Drainage Area and Contributing Flow (Dillon, September 2016); and
- Town of Tecumseh 2016 Pump and Metering Station Condition Assessment Report (Dillon, November 2016).

Each document was reviewed with respect to stormwater management to determine the respective study area, issues identified at that time and what solutions were recommended moving forward. A summary of each background document is provided below in chronological order.

5.1 Village of St. Clair Beach Report on Storm Drainage (1970)

Study Area and Scope

The study area is bound by Manning Road to the west, Pike Creek to the east, CN Rail to the south and Lake St. Clair to the north. At the time of the study, the majority of the Village was identified to drain overland directly to Lake St. Clair with a total of two (2) pumping stations currently in service.

The scope of the study was aimed at reviewing the existing storm drainage system and provide recommendations for future additions to the infrastructure for the Municipality. This included determining the necessary storm drainage upgrades within the existing built-up areas, determine future recommended drainage service areas and to provide locations for trunk outlets and pumping stations

for future development. Stormwater calculations for the study were completed using the rational method, using at the time the current accepted IDF data from the Department of Transport.

Issues Identified and Recommendations

Sewer systems within rural type roadway cross sections that are theoretically deficient could function well adequately due to the roadside ditches acting as small ponds or reservoirs holding stormwater until such time that the sewer system can handle the runoff. This includes the lands within the St. Mark's pump station service area and the majority of the streets within the Kensington pump station service area. These roadways do not require the installation of relief sewers. Sewer systems within urban type roadway cross sections with curb and gutter must have storm systems that can adequately handle runoff as it occurs or street flooding will occur.

Once developed, existing lands between Pike Creek and Beach Grove Golf Course, extending from Tecumseh Road to Lake St. Clair will someday require storm pump station facilities prior to additional development taking place. At the time of the study, the gravity outlet for this area was still considered sufficient for the future.

It was recommended that when new development takes place, storm drainage must be designed to include any upstream areas that are to outlet through that development within the trunk sewers.

Kensington Pump Station Service Area

- Determined to be very old and well below the proposed design standards;
- Pump station is recommended to be relocated to the north side of Riverside Drive east of Beach Grove Golf Club property adjacent to the parking lot. If it is more economical, extending the pump station service area to accommodate the lands to the east is preferred;
- New pump station is recommended to be designed as per the design criteria outlined above;
- Existing storm drainage system within the Kensington Dish area identified to be inadequate to handle the actual flow. It is recommended that storm relief sewers be constructed along Rutland to the relocated Kensington pump station concurrently with the pump station reconstruction; and
- Kensington pump station reconstruction and a Rutland relief sewer is considered prime importance and that works are recommended to be carried out as soon as possible.

St. Mark's Pump Station

- St. Mark's pump station is determined to have a capacity of 4800 USGM (350 L/s) with a recommended capacity at the time of 12,600 USGM (795 L/s). The existing inlet sewer can discharge 397 L/s to the pump station and the pumping station was considered adequate until road or sewer improvements (i.e. curb and gutter) increase runoff to the station.

Edgewater Drainage

- The drainage upon further development of the area is to discharge to a future pump station along Riverside Drive.

Manning Road Drainage

- Contributing areas are currently being serviced by the Manning Road Municipal Drain. If the drain is to be enclosed, it is recommended that the enclosure design include an extended service area than what is presently being serviced.

Protection from Lake Flooding

- Retaining walls be constructed along existing properties abutting Lake St. Clair and Pike Creek to protect the Village from considerable lake flooding; and
- Care must be taken to ensure that stormwater is contained at a lot level for new builds adjacent to Pike Creek or Lake St. Clair.

Recommended Design Criteria for Council Adoption

- Return Frequency: Residential and commercial storm sewer designed to a 1:2 year level of service;
- Runoff coefficients to be used as follows:
 - Existing Residential Areas = 0.30;
 - Future Residential Areas = 0.40 – 0.45; and
 - Lake St. Clair Design Water Level = 175.56m (576 ft).
- Roof downspouts not be directly connected to the storm sewer system, but discharge onto lawns;
- Basements should not be directly connected to storm sewers, unless pumped. Direct connections to the storm sewer results in basement flooding. Basements are to eventually be directly connected to sanitary sewers;
- Ditches proposed to be enclosed are to be designed and installed in accordance with a Master Drainage Plan as set out within the study report; and
- Recommended that Council adopt a “preventative maintenance” program to eliminate certain defects found throughout the study such as broken manhole rungs, lack of benching, accumulated dirt and debris, etc.

The following was the recommended pump station design criteria at the time of the study:

- Majority of the existing land is barely above the high water level of Lake St. Clair and Pike Creek, which requires the pumping of most storm runoff. High storm frequency design is considered a “unnecessary luxury”;
- Design capacity of the sewer system to be equalled by the pumping capacity of the storm pumping stations;
- Two equally sized pumps recommended to be used in parallel for future pump stations to provide a safety factor against mechanical failures; and
- Due to topography of the Village, flooding resulting from pump failure would not cause major damage. The probability of power failure does not warrant the additional cost of standby power.

5.2 **Tecumseh Hamlet Storm Drainage Study – Township of Sandwich South (1979)**

Study Area and Scope

The Tecumseh Hamlet study area is located near the boundary of the Little River and Pike Creek drainage area. At the time of the study, stormwater runoff from the Hamlet area is draining to the water courses by open ditches. The Hamlet area is primarily residential and agricultural with limited land areas zoned for commercial, industrial or institutional.

The purpose of the study was to review the existing drainage in the Tecumseh Hamlet and to make recommendations for improving and expanding the drainage system to meet the Township's growing needs. The overall scope of the study included:

- Review of the adequacy of the existing drainage system within the Hamlet area;
- Establish design criteria for the design of future storm sewers;
- Derive sub-drainage areas within the Hamlet area;
- Recommend a master plan for the construction of future storm sewers;
- Recommend standard design details for the construction of future storm sewers; and
- Present cost estimates and a cost sharing breakdown for the implementation of the master plan.

Stormwater calculations for the study were completed using the rational method using the current accepted IDF data from Environment Canada. Design criteria included the following:

- Return Frequency: Residential and commercial storm sewer designed to a 1:2 year level of service; and
- Runoff coefficients were used as follows:
 - Residential: 0.35
 - Industrial: 0.65
 - Parkland: 0.20

For the purposes of this background investigation for the Tecumseh Master Drainage Study, only the recommendations relevant to the study are summarized below.

Issues Identified

- Overall area has relatively poor natural drainage based on the topography, which identifies that the area is essentially without relief. Combined with flat topography and clay soils, ponding frequently occurs in shallow ditches and in the open fields;
- Area has received complaints that during periods of high rainfall, basement and backyard flooding has occurred; and
- Except for the existing storm sewer along Lesperance Road north of the CPR tracks, ditches have been filled in and replaced with local sewers to reduce local drainage problems. In most cases, the size and slope of existing sewers are insufficient to service the actual drainage areas. The absence of manholes makes it difficult to carry out any regular maintenance program.

Recommendations

- Existing character of the Hamlet area be retained by restricting development to single family homes on large lots with some commercial/industrial zoning permitted, primarily along County Road 42;
- Roof downspouts not be directly connected to the storm sewer system, but discharge to “splash pads” on the surface;
- Recommended 1:2 year storm sewer design for the Hamlet area divided into the following four sub-drainage areas which were further subdivided based on topography, physical barriers, street patterns and maximum benefit to servicing undeveloped lands:
 - Pike Creek Drainage Area draining area south of CPR tracks.
 - Little River Drainage Area draining area between Highway No. 2 and CPR west of St. Anne Street.
 - Baillargeon Drainage Area including area north of Gouin Street to Highway No. 2, east of St. Anne Street.
 - Tecumseh Drainage Area including 30 acres in the northeast corner of the Hamlet.
- Phasing of the required storm sewers for each area is recommended to begin from the outlet to the upstream reaches of the drainage area;
- Temporary drainage works are recommended if storm servicing is to be installed upstream prior to construction of the outlet works (i.e. stormwater retention ponds, in-ground storage) with controlled flow to the outlets. The temporary facilities can be removed or abandoned when the downstream trunk sewers are installed; and
- Staging of trunk sewers to service the Tecumseh Hamlet should be dictated by the natural staging of the new developed areas as it occurs.

Little River Drainage Area

- Southern portion of the drainage area outlets to the Baillargeon Drain, which is not deep enough to provide as a storm sewer outlet; and
- Drainage area will continue to outlet to Little River via Gouin Drain.

Baillargeon Drainage Area

- Desirable to extend the Baillargeon Drain westerly, but would require major improvements to the outlet drain east of Lesperance Road; and
- Widening and deepening of the channel may be required in the future to service this drainage area as more development takes place.

Tecumseh Drainage Area

- No additional flow should be discharged from the Hamlet to the Lesperance Road trunk sewer as the system is already overloaded; and
- This area has the lowest elevation within the Hamlet area, and it is not possible to drain by gravity to either the Baillargeon Drainage Area or Little River Drainage Area;

St. Clair Beach Stormwater Pumping Study (1983)

Study Area and Scope

The study area is bound by Manning Road to the west, Pike Creek to the east, CN Rail to the south and Lake St. Clair to the north. This study is subsequent to the previous Village of St. Clair Beach Report on Storm Drainage completed by M.M. Dillon in 1970. At the time of the study, the Village now has three (3) pump stations with the newly constructed Edgewater pump station.

The scope of this study was to review the stormwater pumping stations with the following guidelines:

- Identify the methods of providing emergency electric power to the three (3) stormwater pump stations;
- Discuss the feasibility of installing stand-by power facilities to maintain normal pumping operation during an electrical power outage;
- Provide cost estimate for various schemes involving the installation of stand-by power facilities; and
- Evaluate the schemes and make recommendations as to what scheme is best suited to the needs of the Village.

Issues Identified

- Due to power outages during storm events, the electric motors that drive the pumps at the Kensington, Edgewater and St. Mark's pump stations have been unable to do so at a time when the pumps are needed the most;
- Power outages during heavy storm events (including the event in the summer of 1983) have directly caused extensive accumulation of rainfall resulting in the flooding of basements and low lying areas due to offline pump stations; and
- The St. Mark's pump station currently does not have any back-up pump within the facility. Failure of this pump would make the entire station inoperable.

Recommendations

- Of the three alternatives identified within the report to provide back-up power to the three (3) pump stations, Alternative 3 was selected as the scheme suited to the emergency power requirements for the three power stations. This included:
 - Building a central station at the site of the existing St. Mark's pumping station, as a source of emergency electrical power for all three pump stations to be housed in one location which reduces operating costs and simplifies the operation; and
- Upgrading of the St. Mark's pump station to provide stand-by pumping ability. This will bring the pumping station up to standard as far as stand-by requirements are concerned and in line with the present operating conditions at the Kensington and Edgewater pump stations.

Township of Sandwich South Master Drainage Plan (1987)

Study Area and Scope

The Township of Sandwich South at the time of the study was primarily agricultural and like many other rural Municipalities adjacent to more urbanized centres, has a changing nature to more urbanization. Based on the steady growth of residential and industrial development within the Township of Sandwich South through infills and new subdivision developments, increased development caused increased storm runoff. Storm drainage in the area is primarily handled by rural farm drains and roadside ditches and served the needs of the Township for many years.

The purpose of the study was to identify both present and future storm drainage problems based on established land use trends and identify improvement to the drainage system to maintain storm runoff to predevelopment levels. The study included the following:

- Development of a stormwater management model (SWMM) through a hydrologic – hydraulic computer simulation to accurately evaluate the existing drainage systems and analyze complex sewer systems, open channel drainage networks; and
- Evaluate advanced stormwater management upgrading schemes for the area.

The stormwater modelling calculations for the study were completed using the Southern Ontario Storm defined by AES with distributions of 1 hour, 6 hour, and 12 hour events for the 1:2, 1:5 and 1:100 year return periods.

Issues Identified

SWMM results identified that the existing drainage systems throughout the Municipality (i.e. sewer and open channel systems) were heavily overloaded or surcharged during storms with a return frequency of 1:2 years or more.

Recommendations

Alternative drainage improvement schemes were generated for the various watersheds and subwatersheds for new developments within the Township. These schemes included the following:

- I. Drainage Improvements with No On-Site Controls
 - No stormwater controls for new developments on-site;
 - Developers and landowners pay a drainage improvement charge to the Township to construct downstream measures on behalf of the Township's rate payers; and
 - Typical downstream measures included detention ponds or drainage enlargements.
- II. Drainage Improvements Assuming On-Site Controls
 - All new developments, except residential infilling required to implement stormwater management measures at the developers cost by storing storm runoff on-site (i.e. rooftops, parking lots, underground, private detention ponds);

- On-site measures would store runoff and maintain outflows to predevelopment levels during the 1:2 and 1:5 year storms; and
- Special drainage improvement charge would be paid by the developer to the Township to design and construct downstream drainage improvements to store and control the increased runoff from larger storm events (i.e. 1:100 year) to predevelopment levels. This would incorporate detention ponds or drainage enlargements downstream of the development. The Township would be responsible for constructing the downstream drainage improvements.

It was recommended that the Township select the drainage improvement Scheme II which includes on-site controls for smaller, more frequent storm events and downstream controls constructed by the Township, paid for by the contributing properties for the larger (1:100 year) events. This requires the least construction improvements by the Township, while ensuring that stormwater management measures are implemented on the sites of new development.

A Stormwater Management Policy was prepared and recommended for approval. Upon adoption of this Master Drainage Plan, new developments were to be subject to the recommendations of the study.

5.5 Shawnee Road and Arbour Street Area Improvements Class EA (2009)

Study Area and Scope

The roadway improvements within this study included Shawnee Road from Tecumseh Road southerly to County Road 22, Arbour Street from Lesperance Road westerly to the end, St. Anne Street from Renaud Street to north of County Road 22 and Remie Street between St. Anne Street and Poisson Street.

With the closure of the St. Anne School site, Dillon evaluated the opening up of Arbour Street through the lands as well as transportation related infrastructure and services within the study area. The scope related to stormwater for this EA included a review of the existing storm sewer infrastructure and propose recommended upgrades for each alternative design.

Issues Identified

The issues identified through the study with respect to stormwater management included the following:

- No storm sewers exist along Remie Street;
- Storm sewers along Shawnee Road are deficient in terms of level of service;
- Storm sewers along Arbour Street from the western limit to Poisson Street are deficient in terms of level of service; and
- Storm sewers along St. Anne Street from the western limit to Poisson Street are deficient in terms of level of service.

Recommendations

Recommendations from the study included the following alternatives:

- Do Nothing Approach which included no improvements to the storm drainage system within the study area; and
- Incorporation of curbs and gutters along Shawnee Road, Arbour Street, Remie Street and St. Anne Street with the incorporation of new storm sewers along each roadway.

Upon review, the recommendation was made for Alternative II to move forward. This included:

- Installation of new storm sewers with a 1:2 year level of service along Shawnee Road, Arbour Street and St. Anne Street, complete with road and catchbasins where required;
- The Shawnee Road storm sewer system and part of Arbour Street are to drain north into the existing storm sewers along Tecumseh Road;
- St. Anne Street storm sewers and part of Arbour Street will drain east into the existing Lesperance Road storm sewer;
- New storm sewers sized to accommodate rear yard drainage;
- Runoff from Remie Street is to be directed to roadside catchbasins at either end of Remie Street which will connect into the existing sewers along Poisson Street and St. Anne Street;
- The storm sewers along Shawnee have been oversized beyond the 1:2 year level of service for storage purposes to control flows into the Tecumseh Road storm sewer based on the available capacity of the existing outlet sewer; and
- During detailed design, it is recommended that the capacity of the existing storm sewer system along Tecumseh Road be investigated to determine if any additional capacity exists to allow for an increased release rate from Shawnee Road which could reduce storage requirements and sewer sizes.

5.6 Town of Tecumseh MRSPA SWM Study Class EA ESR Report (2010)

Study Area and Scope

The study area is bounded by Essex County Road 22 to the north, Manning Road (Essex County Road 19) to the east, the Canadian Pacific Railway to the south, and the west side of St. Anne Street and Lesperance Road to the west. The study area is comprised of nearly 250 hectares, approximately 150 hectares of which are undeveloped lands. At the time, development applications were submitted for the majority of the undeveloped parcels, which have multiple owners. Within approximately ten years, as many as 800 new residential units and approximately 5 hectares of commercial development are anticipated within the study area.

The Town of Tecumseh initiated the Class Environmental Assessment (Class EA) to evaluate the impact of one or more stormwater management (SWM) facilities to service land owners within the Manning Road Secondary Plan Area. To ensure consistency and quality in evaluation and identifying infrastructure

Improvements to support the proposed development, the Town of Tecumseh coordinated the study of stormwater needs for the full development of the study area through the Class EA process.

The purpose of this study was to identify the best possible solution for addressing the stormwater drainage needs to accommodate future development in the Manning Road Secondary Plan Area in the Town of Tecumseh.

Recommendations

Through review of the input from public agencies and the public at large, Alternative Design #2 within the EA was chosen as the preferred design concept. This included the option of a Regional CPR Pond for the community.

The preferred design concept addressed the comments and concerns of the Town and many of the residents and developers. In summary, the preferred design concept consisted of:

- A single, efficient regional stormwater management pond;
- A vast improvement to the existing local drainage system;
- Highest levels of water treatment, stormwater detention time, and integration with overland flow routes;
- Minimal impact to loss of developable land;
- Integration of the pond within a community park and trail system;
- Control over mosquito and waterfowl habitat; and
- Integration of pond features to promote community safety.

5.7 Town of Tecumseh Sanitary Sewer Assessment Report (2011)

Study Area and Scope

As a result of a significant rainfall event that occurred on June 5 and 6, 2010, widespread basement flooding was experienced by residents in the Town of Tecumseh, as well as in the neighboring communities of the City of Windsor and the Town of Lakeshore. The properties primarily affected by this rainfall event in the Town of Tecumseh, were those lands located north of County Road 22.

The scope of this study was primarily focused on the sanitary system, but had components which included a review of stormwater. This included a review of both inflow and infiltration:

Inflow:

- Flow that enters a sanitary sewer system from sources other than infiltration, such as roof leaders, basement foundation drains, surface drains, and manhole covers. Inflow, in short, is man-made and intentional, representing flows that should be directed to storm collection systems; and
- Many of the sources of inflow are located on private property, including improperly connected private storm drainage systems, or temporary discharges directed to sanitary fixtures (sinks, tubs, showers, floor drains).

Infiltration:

- Flow that enters a sanitary sewer system including groundwater through cracks or leaks in the sanitary sewer pipes, manholes and private drain connections, which may occur as a result of age-related infrastructure deterioration, loose joints, improper installation or maintenance, damage or root infiltration.

Potential sources of infiltration and inflow during wet weather conditions were considered as part of the investigation based on the understanding of the range of potential contributing factors in the Town of Tecumseh.

Issues Identified

The issues identified through the study with respect to stormwater included the following:

- Surface runoff may be entering the lift hole openings in sanitary manhole covers, particularly those that are located within roadways, swales, or generally lower lying areas. Surface storage over sanitary manholes have the potential to contribute a significant amount of inflow to the sanitary sewer system;
- Downspouts that are connected to the storm sewer system contribute increased flows to storm sewer systems, reducing their potential to provide a reasonable level of service during minor storm events. This may indirectly lead to increased surface runoff via the major overland drainage system, and corresponding increased inflows (i.e. through sanitary manhole covers) to the sanitary sewer system;
- Downspouts may be directly connected to the sanitary sewer system; and
- Some areas are found to have foundation drain connections to the sanitary system.

Recommendations

Through the findings of this study, it was recommended that the Town of Tecumseh consider implementing the following recommendations in order to continue building on the many improvements that have been completed to date to the sanitary system with respect to the storm sewer system:

- Reduce sources of inflow and infiltration to the Town's sanitary collection system through:
 - Undertaking inspections during wet weather conditions in order to increase the likelihood of identifying sources of infiltration that may not necessarily be visible during drier periods;
 - Install devices to prevent the inflow of surface water drainage through the lift holes in the covers of all susceptible sanitary manholes;
 - Institute a program to complete the disconnection of roof rainwater downspouts where appropriate. The Town may wish to consider passing a by-law that would permit Building Department staff to enter private property for purposes of confirming opportunities to disconnect roof rainwater downspouts; and
 - Implement a program to identify and enforce the disconnection of improper storm drainage connections from the private sanitary plumbing systems. Improper storm drainage connections to the sanitary system include rear yard catchbasins or sanitary cleanouts being used for surface drainage, sump pumps, and roof rainwater downspouts.

- The Town of Tecumseh continue their program of neighborhood local improvements, which includes upgrading local storm sewers and storm pumping station outlets;
- Upgrade the existing storm collection systems in the older portions of the former Village of St. Clair Beach, specifically the “saucer area” from Edgewater to Kensington to Riverside Drive, and the Coronado area in which they do not meet current design standards. As these rural local drainage systems are upgraded, the storm pumping station outlets (Edgewater, St. Mark’s and Kensington) must also be upgraded to correspond with any improvements in the storm sewer conveyance capacities; and
- Improve the storm drainage systems to current design standards, including corresponding improvements to storm pumping station outlets to reduce the frequency, duration and severity of localized surface ponding.

5.8 **Town of Tecumseh East Townline Drain Hydrology and Hydraulic Study (2012)**

Study Area and Scope

The study area for this report focused on the East Townline Drain (ETLD) subwatershed area outletting into Lake St. Clair and formed a component of the ETLD and Manning Road Improvement project for the Town of Tecumseh. The objective of this report was to address deficient storm drainage capacity within the ETLD outlet to Lake St. Clair, while addressing the opportunity to enclose and relocate the remaining 1 km portion of the channel.

The scope of this project included the review of the following proposed improvements and hydrologic model analysis:

- Replacement of the existing ETLD pump station outlets to Lake St. Clair with an improved facility that will provide increased outlet capacity;
- Enclosure of a portion of the ETLD open channel north of St. Gregory’s Road and its potential relocation as an open channel through the westerly limits of the Lakewood Golf Course property along Riverside Drive;
- Improvements to the Manning Road corridor in the area of the proposed ETLD enclosure;
- Establish baseline hydrology for the entire ETLD system;
- Assessment of the hydraulic performance of the existing drain and proposed extension of the ETLD enclosure north of St. Gregory’s Road to Riverside Drive given baseline and future hydrologic conditions within the ETLD; and
- Determination of the appropriate control structure pump capacity and resultant system level of service for baseline and future hydrologic conditions within the ETLD system.

Issues Identified

The issues identified through the study included the following:

- Through urbanization along County Road 19/Manning Road, sections of the ETLD channel have been eliminated and replaced with underground drainage conduits with the size, type and age of the enclosures varying as a result;
- The system currently consists of older road crossing culverts which have been retrofitted with closed bottoms and sections of the enclosure added to connect to the original enclosure. This in turn has caused the ETLD profile to not be consistent in terms of cross section or slope;
- The water levels within Lake St. Clair govern the water levels within the ETLD since the Manning/ETLD pump station is unable to keep up with the incoming flow rate from the incoming sewers consisting of three 1050 mm and one 900 mm diameter CSP culverts into the control structure;
- The existing 1.9 m³/s Manning/ETLD pump station capacity does not match the available conveyance capacity of the drainage system upstream of the pump station. As such, the outflow from the ETLD system is predominantly via gravity to Lake St. Clair unless water levels in the lake are relatively high, resulting in standing water in the drain upstream of Riverside Drive, causing concerns from a roadside and public safety standpoint;
- Residents along the west of Manning Road north of St. Gregory's Road have indicated that their sump pumps operate continuously during storm events due to the high water levels within the ETLD; and
- Current hydraulic performance of the ETLD system and poor levels of service limits development/intensification opportunities or heavily constrains them with over control requirements within the watershed due to limited receiving water system capacity.

Recommendations/Proposed Improvements

- Reconstruction of Manning Road including the enclosure of the ETLD north of St. Gregory's Road to Riverside Drive and redevelopment of the Town's lakefront; and
- Reconstruction of the ETLD pump station for an increased level of service to a 1:5 year to a release rate of 7.05 m³/s to accommodate the reduction in volumetric storage capacity within the ETLD due to the enclosure upstream of the pump station.

5.9 Lakewood Park South Design Brief for Channel Design (2014)

The Lakewood Park drainage channel was designed for the following:

- Conveyance of runoff from the residential development within the Lakewood Golf Course adjacent to Manning Road to the Manning ETLD pump station;
- Flows within the ETLD from the west to the east side of Manning Road beginning at St. Thomas Street to the Manning ETLD pump station; and
- Any backflow from the proposed Manning ETLD pump station.

The drainage channel was designed and modelled to include a 2D component to accurately capture the backflow/spill effect in the park and show the limits of flooding. The channel was evaluated under multiple scenarios including existing, interim and preferred solutions to show that the existing parkland will act as a natural flood storage area and reduce the hydraulic grade line for the combination of piping and natural channel area of the Town's realignment of the ETLD. The proposed channel was therefore designed for the following:

- Conveyance of the 1:100 year storm within the ETLD without any erosion issues to the Manning ETLD pump station; and
- 1:100 year flows from the proposed Lakewood subdivision.

5.10 **Town of Tecumseh MRSPA Functional Servicing Report (2015)**

Study Area and Scope

The study area generally lies south of County Road 22, extending southerly to the Canadian Pacific Railway, east of the existing residential Tecumseh Hamlet and west of Manning Road (County Road 19). Based on the recommendations from the original EA for the MRSPA, a preferred design included incorporation of the Baillargeon Drain into the MRSPA trunk sewer and into the regional stormwater management facility for the development. The goals and objectives of the Functional Servicing Report in regards to stormwater management for the site were to:

1. Determine the servicing requirements for the development of the MRSPA, including confirmation of the design criteria for the required municipal services (stormwater management pond, storm sewers and overland drainage) that are to be used to complete the detailed design of this infrastructure. This included a detailed hydrodynamic model analysis of the development to evaluate the related overland drainage and surface storage requirements for the MRSPA;
2. Undertake a functional design of these facilities to satisfy the long range servicing needs of the planning district and provide a framework to facilitate the servicing of the MRSPA in an orderly manner; and
3. Estimate the shareable portion of the cost to implement access road extensions, a stormwater management facility, and sanitary collection infrastructure that would form the basis for an area specific development charges study.

Recommendations

The following stormwater management criteria was identified within the report based on the hydrodynamic modelling for each land use within the development:

- Inlet control restrictions into the storm sewer system for each portion of development (L/s/ha);
- Required on-site surface storage requirements (m³/ha);
- Allowable major system flow criteria into the downstream outlets (L/s/ha);
- On-site surface storage is to be incorporated in roadways to temporarily retain runoff for storm events beyond the 1:5 year event;

- During the 1:100 year storm event, overland drainage routes are to allow relief/discharge of excess runoff volume to the corresponding outlets at the Cyr Drain, East Townline Drain and the proposed MRSPA stormwater management facility; and
- Surface depression storage for storms up to the 1:100 year event is to be limited to depths of no more than 300 mm along the right-of-way. The stormwater management criteria was further detailed within the figures of the April 2015 report and high level road grades were provided to ensure that during detailed design, overland flow during the 1:100 year event can be routed as per the functional design of the development.

It was recommended that the functional servicing requirements outlined within the report be used as a guide for the detailed design of these services as development proceeds in phases.

5.11 **Town of Tecumseh MRSPA SWM ESR Addendum (2015)**

Study Area and Scope

The Manning Road Secondary Planning Area (MRSPA) is bound by Essex County Road 22 to the north, Manning Road (Essex County Road 19) to the east, the Canadian Pacific Railway (CPR) to the south, and the west side of St. Anne Street and Lesperance Roads to the west.

The scope of the addendum to the original ESR (April 2010) was limited to an evaluation of whether to incorporate the Baillargeon Drain as part of the design drainage area for the proposed MRSPA storm sewers and stormwater management facility or enclose the drain through the development and maintain the existing outlet into the East Townline Drain. In order to evaluate this alternative against the preferred solution identified in the 2010 ESR, the following work was completed and documented as part of this report:

- Hydraulic and hydrologic modeling of this alternative to confirm the associated infrastructure requirements and hydraulic impacts; and
- An updated inventory of the environment.

Recommendations

The Alternative Design Solution for the proposed development included a regional pond at the south end adjacent to the CP Rail and to include incorporate flows from the Baillargeon Drain. This was identified as the recommended design solution for the proposed development. The rerouting of the Baillargeon Drain to the pond provided a cost savings (direct benefit) to the developers of the MRSPA and was a cheaper option than enclosing the drain through the development area and maintaining its current outlet.

Based on the findings, the resulting changes to the MRSPA stormwater management facility from the original EA to accommodate the Baillargeon Drain is summarized as follows:

- The 1:100 year water level in the stormwater management pond would increase by 1.48 m, reducing the freeboard to the lowest proposed surface elevation in the MRSPA from 3.61 m to 2.13 m (1.48 m freeboard reduction); and
- The time to drain down the pond facility would increase from approximately 2.25 days to 4.06 days during the 1:100 year storm event.

5.12 **Town of Tecumseh St. Mark's and Scully (Edgewater) Storm Pump Stations (2016)**

Study Area and Scope

The study area included the service areas of both the St. Mark's and Scully (Edgewater) pump stations. The scope of the study was to review alternative stormwater management solutions for the St. Mark's pump station drainage area, including the potential of combining the St. Mark's and Scully (Edgewater) pump station into one pump station. The scope also included storm sewer design for Arlington Boulevard, St. Mark's Road and Edgewater Boulevard.

Issues Identified

It was determined that upon reconstruction of Arlington Boulevard, St. Mark's Road and Edgewater Boulevard for both a 1:2 and 1:5 year level of service, both the St. Mark's and Scully (Edgewater) pump stations, along with the storm sewers along Riverside Drive connected to these systems do not have adequate capacity.

Five design alternatives were considered for the roadways and two existing pump stations. This included:

- Oversized storm sewer design along of Arlington Boulevard, St. Marks Road and Edgewater Boulevard to maintain existing flows to the two pump stations;
- Design for either a 1:2 or 1:5 year level of service for the roadway storm sewer infrastructure designs and two pump stations; and
- Design for either a 1:2 or 1:5 year level of service for the roadway storm sewer infrastructure designs and decommissioning of the St. Mark's pump station and upgrading the Edgewater pump station for the combined service area.

Recommendations

It was recommended that the Town consider the future decommissioning of the St. Mark's pump station and combining this area into an expanded Scully (Edgewater) pump station drainage area for an overall 1:5 year level of service design.

5.13 Peter Cecile (Kensington) Storm Pump Station – Review of Drainage Area and Contributing Flow (2016)

Study Area and Scope

The study area included the service area for the Peter Cecile (Kensington) pump station. This included the streets within the “Kensington Dish” area.

The scope of the study was to review the existing Peter Cecile (Kensington) pump station drainage area under 1:2 and 1:5 year future flows based on the recommended road reconstruction within the “Kensington Dish” area to an urban cross-section (similar to Pentilly Road). The roadways included within this study include the following:

- Kensington Boulevard
- Burlington Road
- Warwick Road
- Portions of Clovelly Road
- Essex Road
- Rutland Road

Issues Identified

Based on the recommended improvements to the Kensington Dish area, the following issues were identified with the existing storm infrastructure:

- Flow from the Kensington Dish area to the Riverside Drive storm sewer system for both the 1:2 and 1:5 year level of service exceeds the capacity of the existing Riverside Drive storm sewer system to the pump station;
- Portions of the Pentilly Road storm sewer system have hydraulic grade line elevations exceeding the current surface grades during the 1:2 year event;
- The existing sewers along Riverside Drive, Pentilly Road and Brighton Road are exceeding their capacity during the 1:5 year event, with the hydraulic grade line elevations exceeding the ground elevation in some locations. The majority of the sewers along these streets are beyond their design capacity under future conditions when the Kensington Dish area is reconstructed; and
- Upon reconstruction of the streets along the “Kensington Dish” area, the Peter Cecile (Kensington) pump station does not have adequate capacity to provide a 1:2 or 1:5 level of service.

Recommendations

Recommendations based on the results of the analysis include:

- Storm sewers within the Kensington Dish area be sized for a 1:5 year level of service and upgraded as part of future road reconstruction;
- Upgrade the required storm sewers along Riverside Drive to accommodate the 1:5 year level of service design and hydraulic grade line requirements; and
- Design of a new pump station, including a new inlet sewer, new outfall sewer, diesel generator, as well as modifications to the high water level.

It was identified that based on a review of the existing Peter Cecile (Kensington) pump station site, it may not be feasible to construct a new pump station at the current location, while keeping the existing pump station on-line during construction. Further review is recommended in order to confirm if a new pump station can be constructed on the existing site, including an assessment of how the existing flows can be maintained during construction. It was identified that consideration be made to approach Beach Grove Golf Course regarding the adjacent parking lot and the potential for a working easement (to maintain flows during construction) or for a permanent land acquisition to accommodate the construction of a new pump station on the same site.

It was also recommended that the Town consider the following alternative options in order to accommodate a 1:5 year level of service for the entire drainage area:

- Maintain the existing Peter Cecile (Kensington) pump station and construct a new pump station (location to be determined) to accommodate the minor flows from the Kensington Dish area only; and
- Maintain the existing Peter Cecile (Kensington) pump station and construct a stormwater management pond on the Beach Grove Golf Course to provide both water quality and quantity controls for the Kensington Dish area. The potential of discharging the pond at a controlled release rate, either by gravity or via a small pump, to the Riverside Drive storm sewer, may allow for minimal upgrades to the existing pump station.

5.14 **Town of Tecumseh 2016 Pump and Metering Station Condition Assessment Report (2016)**

Study Area and Scope

The Town of Tecumseh requested an assessment of the condition of its water and wastewater facilities to understand their condition, and to effectively prioritize rehabilitation and replacement work in the future.

The facilities included within the scope of work are as follows:

- Water Metering Stations;
- Sanitary Pumping Stations;
- Sanitary Metering Stations; and
- Stormwater Pumping Stations.

The condition assessment did not review the existing capacity of the systems and current level of service conditions for each facility.

The goal of the report was to identify immediate repairs to be undertaken, and to develop a recommended program for expected repairs and maintenance for a 10-year planning horizon.

Recommendations

Recommendations for each stormwater pump station were summarized within Table 38 of the final report. The recommendations were broken down to include immediate improvements and 10 year improvements. The improvements recommended are mainly structural and mechanical and do not identify or address any capacity deficiencies for the pump station and service areas. The findings of the report indicated that annualized investment in each storm pump station should sustain current service levels and life expectancy.

6.0 Conclusions

Based on the findings outlined herein, we will use the information reviewed thus far to continue with building the Town of Tecumseh Storm Drainage Master Plan SWMM model and pursuing the steps necessary for the Environmental Assessment. The background investigation report will serve as a living document to be updated if any new information is obtained for the study area with respect to stormwater controls along private developments and if new storm infrastructure improvement designs are identified.

The background investigation report concludes that through the amount of studies completed to date, the Town continues to sustain its efforts in leading both the continued maintenance and improvements of public storm infrastructures. The continued fostered partner approach with homeowners will serve in the future to enhance the level of service and better manage the risk of flooding for residents of this community.

***September 28/29, 2016 Rainfall Event
Investigation Report***

Town of Tecumseh

**- BACKGROUND INVESTIGATION SUMMARY
REPORT**

August 2017 – 16-4880





DILLON
CONSULTING

TOWN OF TECUMSEH

Storm Drainage Master Plan

September 28/29, 2016, Rainfall Event Investigation Report

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- A September 28/29, 2016 Surface Flooding Photos and Rain Gauge Data
- B Environment Canada Regional Rainfall Statistics

1.0 Introduction

1.1 Background

On September 29, 2016, the Town of Tecumseh and surrounding area experienced a significant rainfall event that exceeded a 1:100 year design event and overwhelmed the existing storm sewer system and pumping stations. The result of this event lead to widespread surface and basement flooding, including surcharging of the Town's sanitary collection system.

The purpose of this rainfall event investigation report is to add to the overall background investigation report as part of the Tecumseh Master Drainage Plan. This rainfall event summary report therefore provides the following:

- Update the regional IDF curves with respect to rainfall data beyond 2012;
- Complete a statistical rainfall analysis on the September 28/29, 2016, storm event;
- Provide a summary of the observed surface and basement flooding; and
- Provide a summary of the operations of the pump stations during the event.

2.0 Regional IDF Updates and Rain Gauge Analysis

This section details the historical rainfall trends for the region and provides updated rainfall statistics based on the inclusion of recent rainfall records, including the 2016 event. Updated IDF rainfall statistics are necessary to accurately analyze the September 2016 rainfall event with respect to local design storm data.

Within the region and in local proximity to the Town of Tecumseh, the closest long term official rainfall monitoring station operating and maintained by Environment Canada is the Windsor Airport Station (No. 6139525). Rainfall records and statistics from this station are most often used as the basis for stormwater design and drainage planning throughout the region.

The current compilation of rainfall records and Intensity-Duration-Frequency (IDF) curves and statistics development for the Windsor Airport Station were last completed and published in February 2012 by Environment Canada. This publication was based on rainfall records from the period 1946 to 2007 (a period of 62 years). As part of the 2012 updating of the IDF statistics, Environment Canada completed the statistical analysis of the annual recorded extreme rainfall depths from each year of available data for the 5, 10, 15, 30, 60, 120, 360, 720 and 1440 minute rainfall durations, and reported the frequency and probability statistics for each duration event using the Gumbel-Method of Moment statistical technique. The consolidation of these discrete rainfall duration statistics is used to what is commonly known as the IDF Curve. The records used in the 2012 update were not complete, as the rainfall records for the entire year 1950, plus a single 5 minute duration record for 1981 were not included in the IDF analysis. This was presumably due to operational and logistical problems with the recording instrumentation at that time. Consequently, the 5 minute duration statistics were based on only 60 annual rainfall extremes and the remaining duration statistics were based on 61 annual rainfall extremes.

The compilation of the annual rainfall statistics, as reported by Environment Canada and including the maximum, minimum and average of the annual extreme duration events are presented in Table B-1 found in the Appendix B. Included in the table are the additional 6 sets of annual records for the period of 2011 to 2016, which have been derived by Dillon to increase the data set eligible for statistical analysis by 6 years. The periods of 2008-2010 were also not available for inclusion in this investigation.

Based on the review of the annual maximum extreme events, with the exception of the one hour extreme rainfall event in 2012 (58.8 mm in one hour), the remaining highest annual duration events have not occurred in the last 30 years at the Windsor Airport Station. The September 2016 event, which is the focus of this discussion, is found to generally be in the order of an average annual extreme for

most duration events. Note that the Windsor Airport did not receive the accumulated precipitation totals during the September 2016 flooding event like the Town of Tecumseh received.

2.1 Historical Rainfall Annual Extremes

To illustrate the relative magnitude of the annual extremes, the following figure was prepared to visually highlight the long term distribution of annual extreme peak rainfall amounts relative to the average of long term typical extreme rainfall amounts for a selection of the duration events.

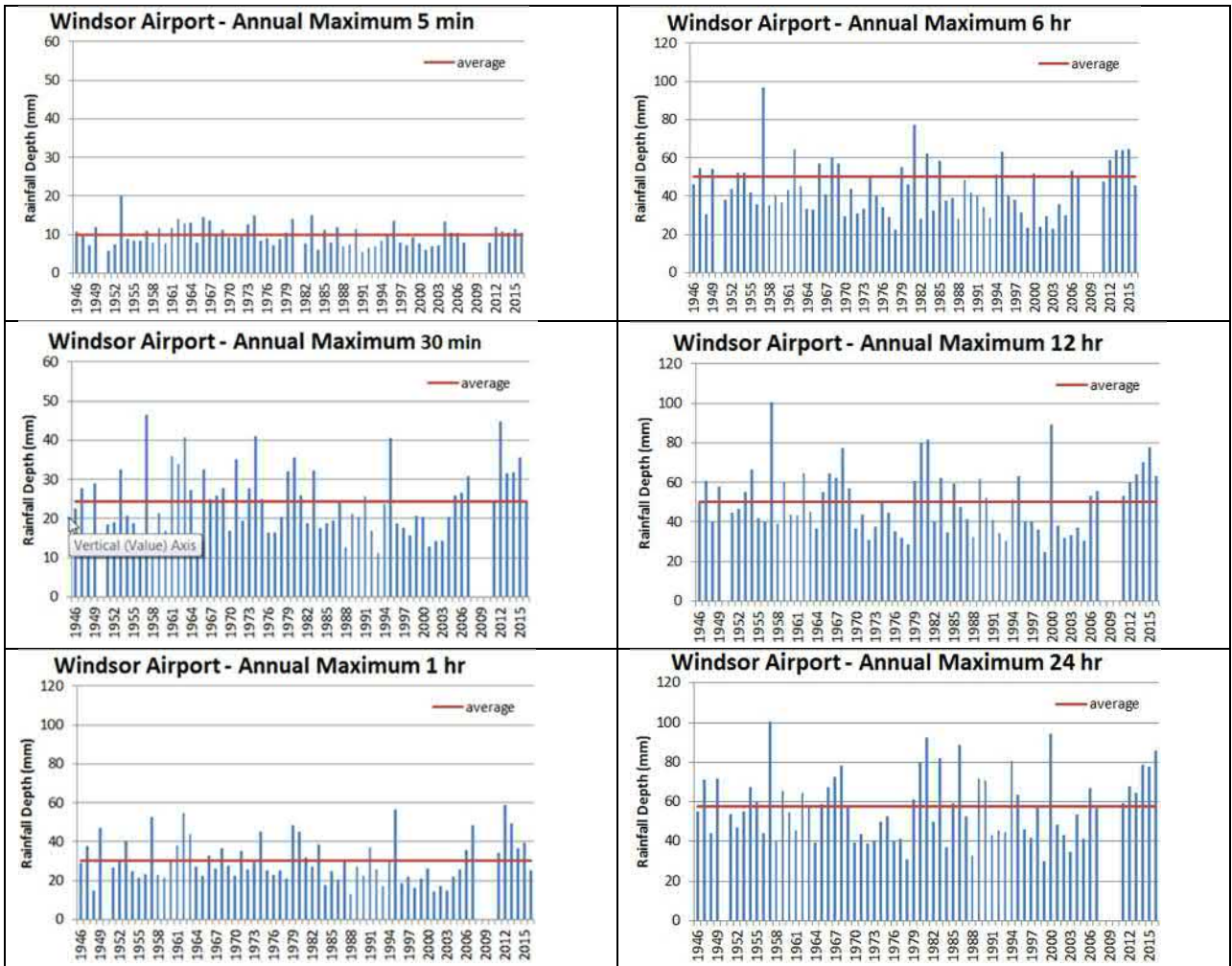


Figure 1: Comparison of Annual Extreme Rainfall at Windsor Airport (1946-2016)

Examination of the above illustration shows that for the full range of storm durations, annual rainfall depths over the last 6 years have been for the most part, above the long term average for the respective event durations. The exception to this appears to be only the 5 minute duration events which generally appear to be in the order of average in magnitude. While it is unfortunate that the 2008-2010 records

are not available, the figures also illustrate that the preceding 2006-2007 records were also found to be above the long term average.

A general conclusion from this examination is that over the last 10 years (2006-2016), rainfall extremes have been for the most part above average, and that this observation is in contrast to the preceding 10 years (1995-2005) where rainfall extremes tended to be less than average as shown in the figure.

2.2 IDF Frequency Analysis

To more clearly identify if rainfall extremes are changing for the local region, a frequency analysis of the annual extremes was undertaken for the full set of data, including the more recent 6 additional years of record made available since Environment Canada’s updated analysis in 2012. The analysis was completed by applying the same Gumbel Distribution, Method of Moments approach.

For this analysis, the HYFRAN (HYdrological FREquency ANALYSIS) model was applied to determine the rainfall statistics. The set of tables below summarize the current and updated IDF statistics and illustrates the relative changes attributed to the updating of the records with the additional 6 years of rainfall data and including the September 2016 rainfall event.

Table 1: Windsor Airport - Frequency Analysis Rainfall Depth (mm) (1946 – 2007)

Return Period	Duration (min)								
	5	10	15	30	60	120	360	720	1440
100	18.9	26.8	35.6	49	62.5	70.6	88.4	98	108
50	17.4	24.6	32.5	44.6	56.7	64.3	80.3	89.4	98.9
20	15.3	21.8	28.4	38.7	49	56	69.6	78	86.9
10	13.6	19.5	25.3	34.1	43.1	49.6	61.4	69.2	77.6
5	11.9	17.2	22	29.4	36.9	42.9	52.7	60.1	68
2	9.38	13.7	17	22.2	27.5	32.8	39.7	46.2	53.4

Table 2: Windsor Airport - Frequency Analysis Rainfall Depth (mm) (1946-2016)

Return Period	Duration (min)								
	5	10	15	30	60	120	360	720	1440
100	18.7	27.2	36.1	51.6	65.1	73	90.3	99.7	110
50	17.1	25	33	46.8	59.1	66.5	82.2	91.1	101
20	15.1	22.1	28.9	40.4	51	57.9	71.3	79.7	88.6

	Duration (min)								
10	13.6	19.9	25.7	35.5	44.8	51.3	62.9	70.8	79.3
5	11.9	17.5	22.4	30.3	38.3	44.3	54.2	61.6	69.5
2	9.45	14	17.4	22.5	28.4	33.8	41	47.6	54.8

Table 3: Windsor Airport - Change (mm) to Frequency Analysis

	Duration (min)								
Return Period	5	10	15	30	60	120	360	720	1440
100	-0.2	0.4	0.5	2.6	2.6	2.4	1.9	1.7	2.0
50	-0.3	0.4	0.5	2.2	2.4	2.2	1.9	1.7	2.1
20	-0.2	0.3	0.5	1.7	2.0	1.9	1.7	1.7	1.7
10	0.0	0.4	0.4	1.4	1.7	1.7	1.5	1.6	1.7
5	0.0	0.3	0.4	0.9	1.4	1.4	1.5	1.5	1.5
2	0.1	0.3	0.4	0.3	0.9	1.0	1.3	1.4	1.4

Table 4: Windsor Airport – Percentage Change (%) to Frequency Analysis

	Duration (min)								
Return Period	5	10	15	30	60	120	360	720	1440
100	-1.1	1.5	1.4	5.3	4.2	3.4	2.1	1.7	1.9
50	-1.7	1.6	1.5	4.9	4.2	3.4	2.4	1.9	2.1
20	-1.3	1.4	1.8	4.4	4.1	3.4	2.4	2.2	2.0
10	0.0	2.1	1.6	4.1	3.9	3.4	2.4	2.3	2.2
5	0.0	1.7	1.8	3.1	3.8	3.3	2.8	2.5	2.2
2	0.7	2.2	2.4	1.4	3.3	3.0	3.3	3.0	2.6

Results of the frequency analysis demonstrated that by the inclusion of the most recent additional 6 years of data, the IDF statistics have undergone a significant increase in rainfall estimates. In general, the 30 and 60 minute durations have been found to increase by approximately 3.9% and ranging up to as much as 5.3%, whereas the longer duration events (2 hours to 24 hours) have been found to increase on average from 2.2 to 3.3%. Shorter duration events including the 10 and 15 minute durations were found to increase less with an approximate average of 1.7% and in contrast, the 5 minute duration event was found to decrease as much as 1.7%.

3.0 September 28/29, 2016 Rainfall Event

On September 28/29, 2016, an extreme rainfall event of unusual intensity occurred within the Town of Tecumseh that centered over Wards 1, 2 and 3 of the Municipality. The event was locally very extreme and resulted in extensive flooding in areas of the Town of Tecumseh. This section of the report is intended to examine the rainfall and the subsequent actions taken by the Town during the storm event.

Through a review of local rain gauges, there were a total of 3 not monitored by Environment Canada that picked up a significant amount of data. This included two City of Windsor gauges at the Pontiac and Twin Oaks pump stations and an independent rain gauge monitored by Weather Underground (WU) located near Revland Street and St. Thomas Street. The Environment Canada gauges within the City of Windsor were either too far from the Town of Tecumseh flooded area (Windsor_A) or were unreliable due to unknown calibration of the equipment (Windsor_Riverside) is no longer monitored by Environment Canada). It was determined that the WU gauge was determined to be the closest available data in proximity to the flooded areas to review the rainfall event. The following was observed:

- 220 mm of rainfall within 24 hours between 6:00 p.m. on September 28, 2016, and 6:00 p.m. on September 29, 2016;
- 195 mm of rainfall within the 12 hours between 12:00 midnight and 12:00 noon on September 29, 2016;
- 175 mm of rainfall within the six hours between 6:00 a.m. and 12:00 noon on September 29, 2016; and
- 110 mm of rainfall within the two hours during the most intense period of the storm, between 8 a.m. and 10 a.m. on September 29, 2016.

Figure 2A shows the rainfall mass curve for the event from the WU Station which identifies the most intense time of the storm event.

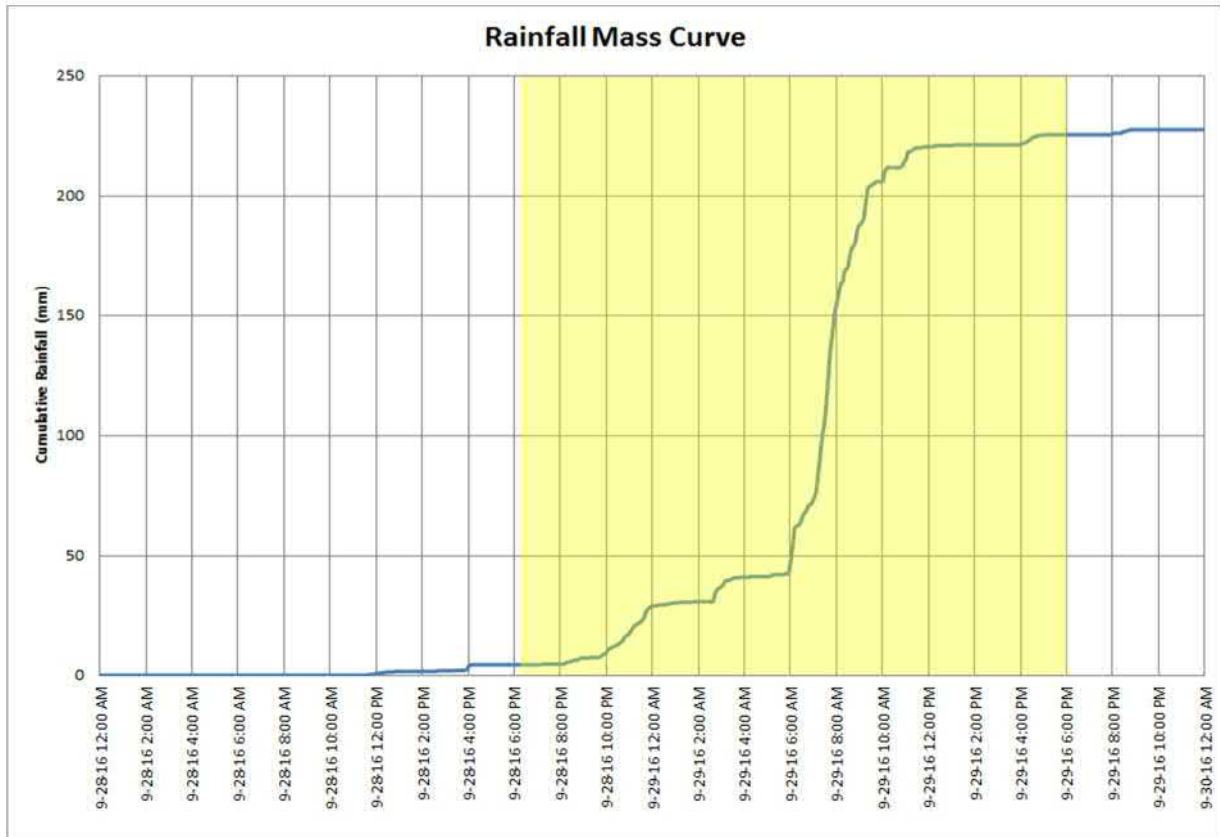


Figure 2A: Weather Underground Station Rainfall Mass Curve – September 28/29, 2016 Storm Event

The rainfall event saturated the soils which resulted in runoff inundating the storm sewer system once the frequency of the rainfall event exceeded the design frequency of the storm sewer system.

A number of rain gauge stations beyond the unofficial Weather Underground station were analyzed for the September rainfall event. These stations identified that precipitation totals varied throughout the local region with the storm centralized over the centre of Tecumseh. Provided below in Figure 2B illustrates the accumulated rainfall totals over the 28th and 29th of September 2016, for the following local rain gauge stations:

- Unofficial Gauge: Tecumseh Station from Weather Underground (ONTARIO 771): 221 mm;
- Pontiac Pump Station: City of Windsor Gauge: 117 mm;
- Twin Oaks: City of Windsor Pump Station Gauge: 112 mm;
- Windsor Airport: Environment Canada Local Gauge: 88 mm; and
- Windsor Riverside: Environment Canada Local Gauge: 171 mm.

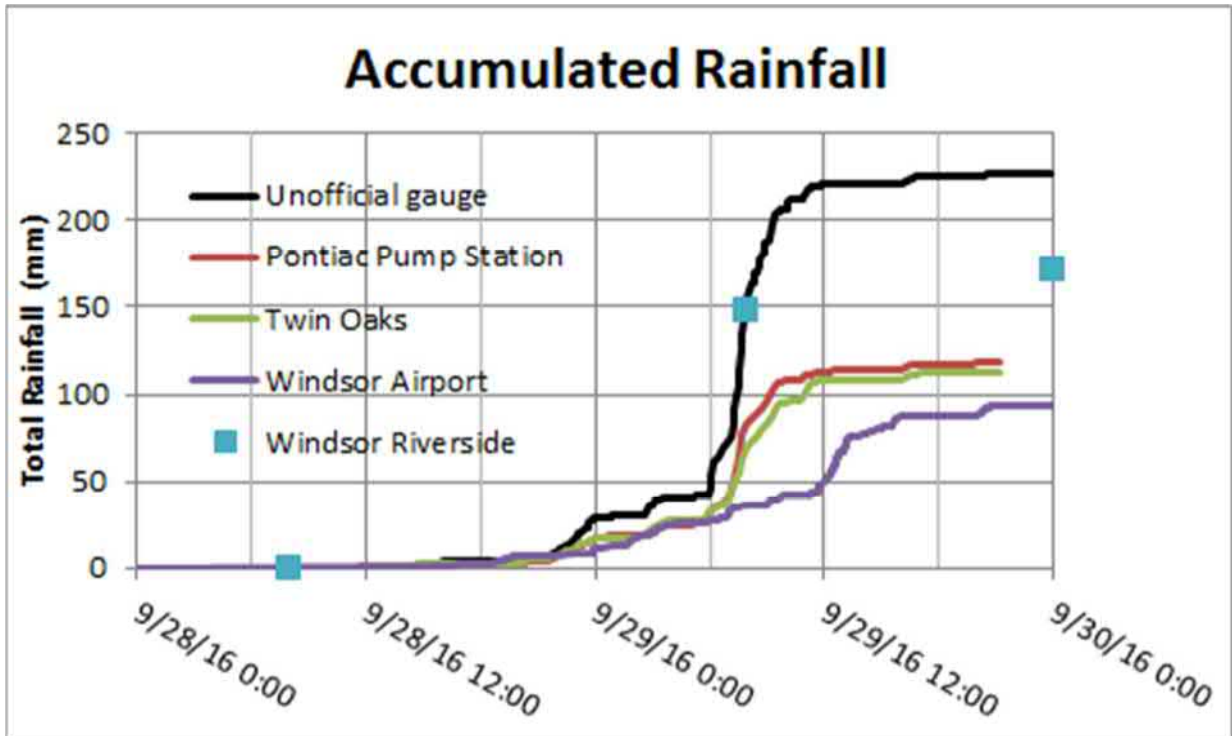
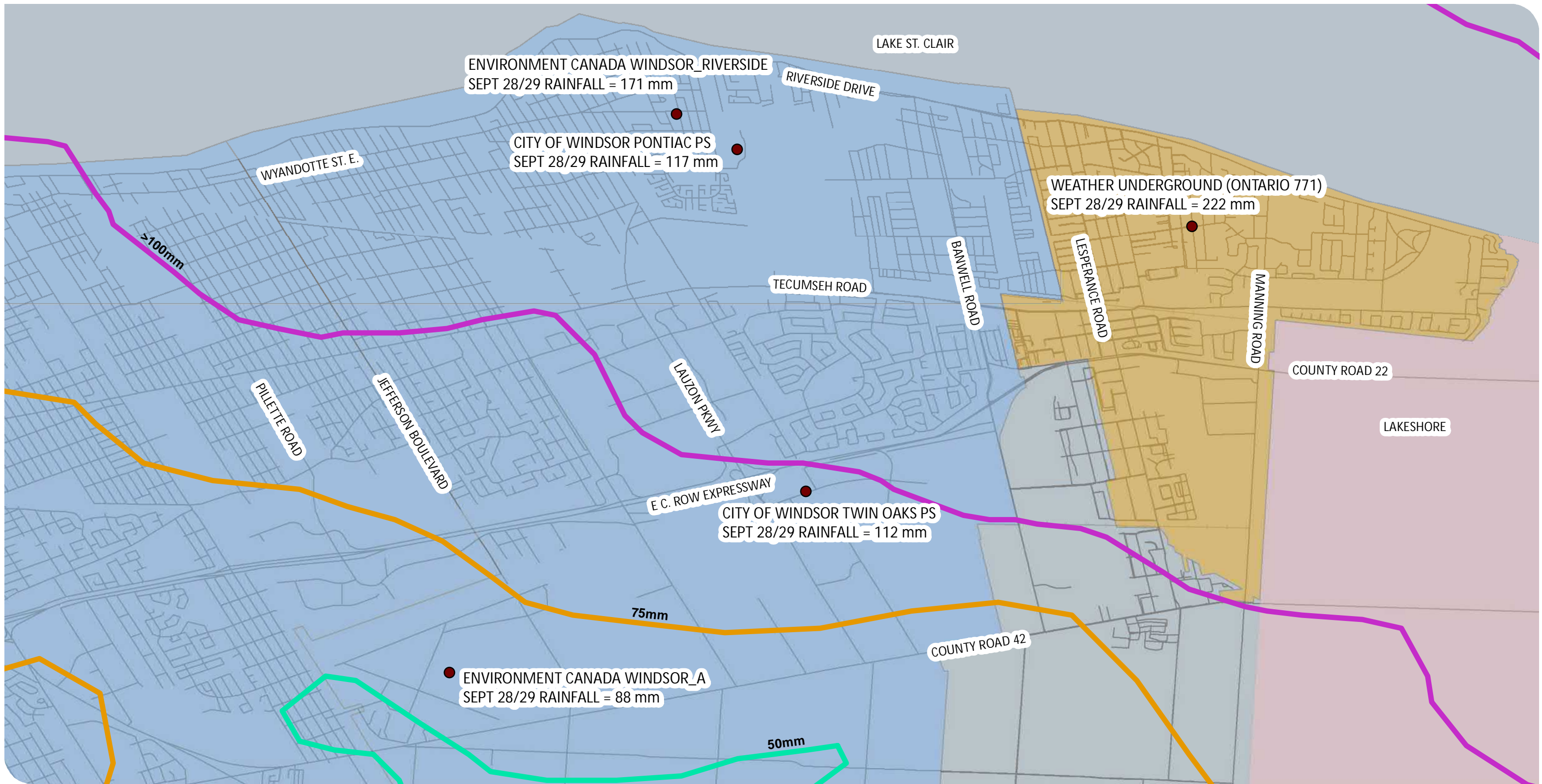


Figure 2B: Accumulated Rainfall – Local Rain Gauge Stations

Based on the review of the accumulated rainfall totals, rainfall contours were analyzed based on U.S.A. NEXRAD (Next-Generation Radar) from the nearest national weather service station (Detroit, MI). A visualization of the precipitation total comparisons at each station in relation to the NEXRAD precipitation contours are shown on Figure 3A. Figure 3B shows the concentration of storm intensity from the September 2016 event from the NEXRAD data. The NEXRAD data is for illustrative purposes only to display the concentration over the central portion of the Town of Tecumseh.



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

SEPTEMBER 28 & 29th RAINFALL EVENT
SUMMARY
FIGURE 3A

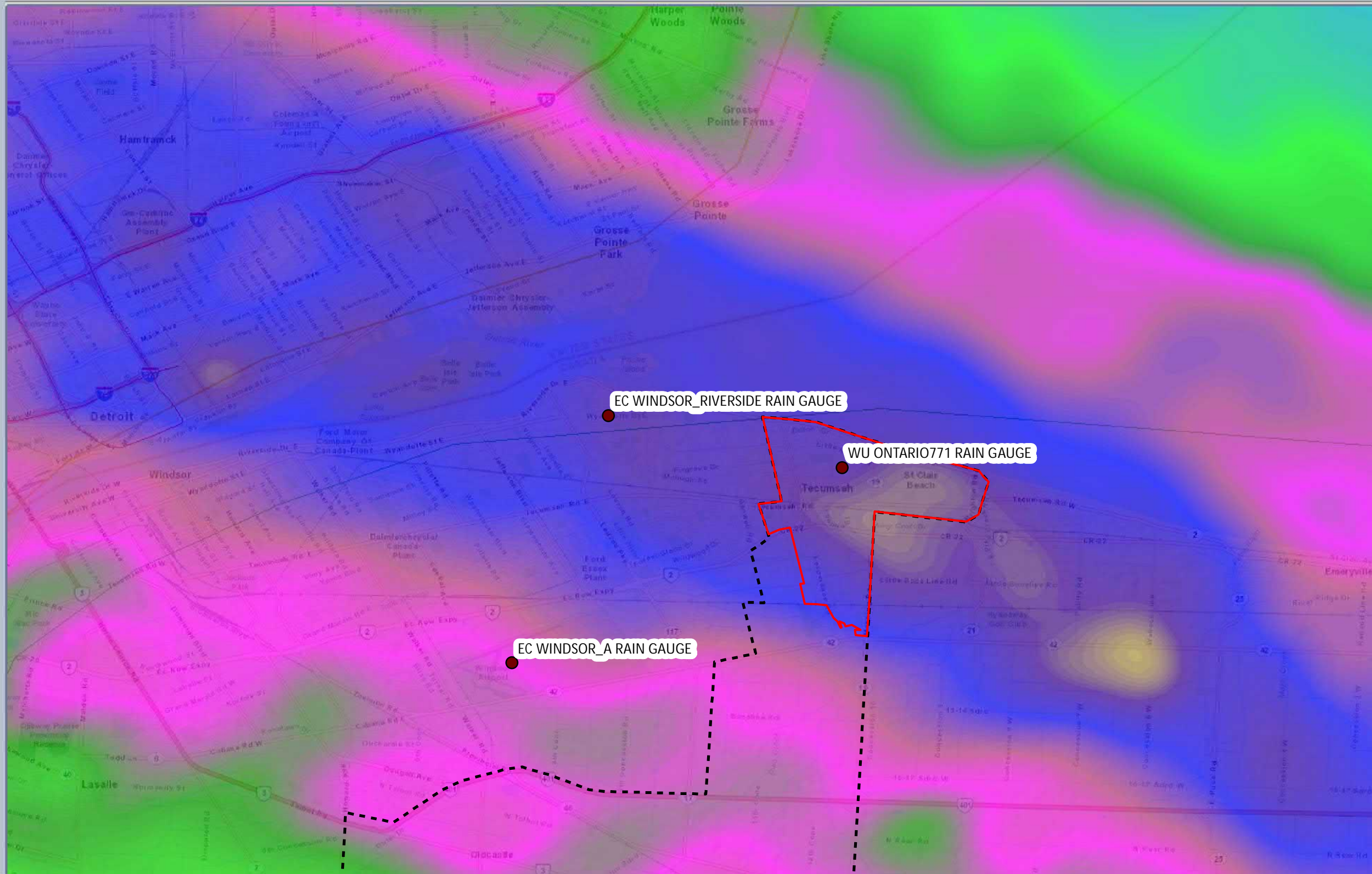


- CITY OF WINDSOR
- STUDY AREA
- LAKESHORE
- LOCAL RAIN GAUGE STATIONS
- APPROXIMATE NEXRAD PRECIPITATION TOTAL CONTOURS (50mm)
- APPROXIMATE NEXRAD PRECIPITATION TOTAL CONTOURS (>100mm)
- APPROXIMATE NEXRAD PRECIPITATION TOTAL CONTOURS (75mm)



MAP CREATED BY: RTL
MAP CHECKED BY: PD
MAP PROJECTION: NAD 1983 UTM Zone 17N

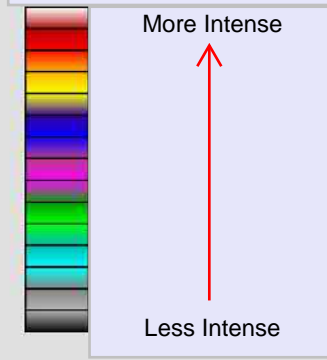
SCALE 1:45,000



NEXRAD LEVEL-III
 DIG. STORM TOT. (D.P.)
 KDTX - DETROIT, MI
 09/29/2016 23:56:01 GMT
 LAT: 42/42/00 N
 LON: 83/28/19 W
 ELEV: 1216 FT
 MODE/VCP: A / 21

MAX: 9.80 IN
 BEG: 09/28/2016 07:14 GMT
 END: 09/29/2016 23:57 GMT

Accumulated Precipitation/
 Storm Intensity



TOWN OF TECUMSEH
 STORM DRAINAGE MASTER PLAN

SEPTEMBER 28 & 29th NEXRAD DATA
 FIGURE 3B



● RAIN GAUGE STATIONS - - - TECUMSEH MUNICIPAL BOUNDARY — STUDY AREA



MAP CREATED BY: RTL
 MAP CHECKED BY: PD
 MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:40,000

3.1 September 2016 Rainfall Event – Design Storm Comparison

Provided in the below Tables 5 and 6 summarizes the 2016 updated IDF curves for Windsor Airport completed by Dillon and the rainfall intensities formulated from the Weather Underground Ontario 771 Rain Gauge Station accumulated precipitation totals. Figure 4 illustrates a comparison between the updated Windsor Airport IDF curves, the September 28/29, 2016, precipitation data from Weather Underground and the precipitation data from the regional historic extreme storm event - Hurricane Hazel.

Table 5: Windsor Airport - (1946-2016) Updated IDF - Rainfall Intensity (mm/hr)

Return Period	Duration (minutes)								
	5	10	15	30	60	120	360	720	1440
100	224.4	163.2	144.4	103.2	65.1	36.5	15.1	8.3	4.6
50	205.2	150	132	93.6	59.1	33.3	13.7	7.6	4.2
20	181.2	132.6	115.6	80.8	51	29	11.9	6.6	3.7
10	163.2	119.4	102.8	71	44.8	25.7	10.5	5.9	3.3
5	142.8	105	89.6	60.6	38.3	22.2	9	5.1	2.9
2	127.2	94.2	78.8	52.4	33.1	19.4	7.9	4.5	2.6

Table 6: Weather Underground ONTARIO 771 Rain Gauge Rainfall Intensities (mm/hr)

	Duration (minutes)								
	5	10	15	30	60	120	360	720	1440
September 28/29 Storm Event	136.8	126.6	118.0	102.2	83.1	53.9	29.06	16.4	9.2
Approx. Return Period	2-5 Year	10-20 Year	20-50 Year	100 Year	>100 Year	>100 Year	>100 Year	>100 Year	>100 Year

September 2016 Storm Event Comparison with Windsor Airport IDF (1946-2016)

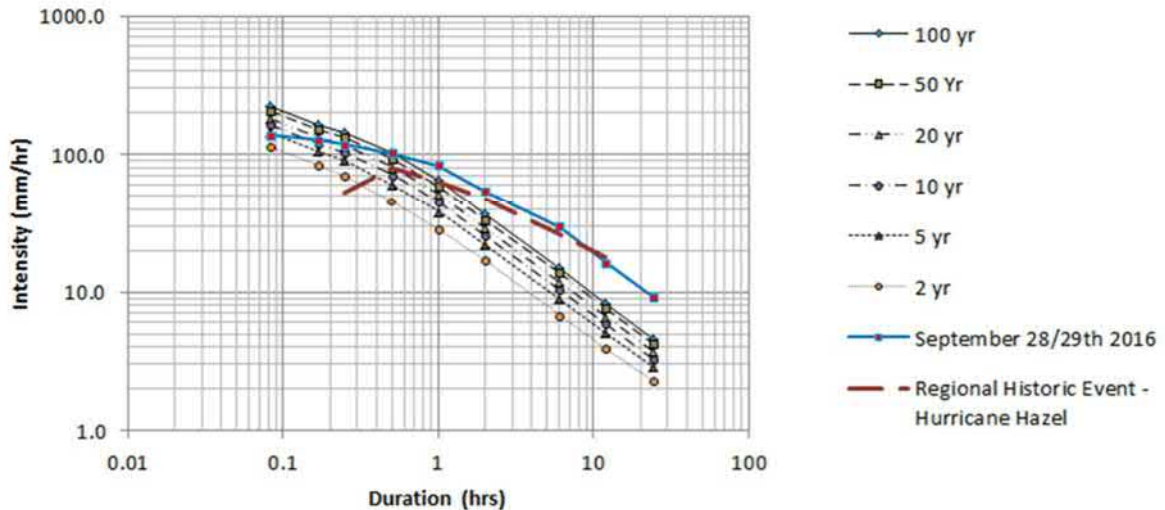


Figure 4: 1946-2016 Updated Windsor Airport IDF

Currently, Environment Canada does not have precipitation frequency estimates beyond the 1:100 year design storm throughout Ontario, specifically the Windsor-Essex region. With the lack of historical rainfall data (currently 70 years) to accurately determine a design event in excess of the 1:100 year and the statistical uncertainty associated with computing the probability of storm events at this extreme, a design storm event beyond the 1:100 year is considered widely speculative and can rarely be relied upon.

The regionally well-known extreme storm event of Hurricane Hazel that hit the Toronto, Ontario area was used for strictly comparison purposes with the September 2016 event. During the Atlantic hurricane season of 1954, the hurricane became an extratropical storm that traveled approximately 1,100 km over land and merged with an existing powerful cold front over Canada. The storm slowed down over the Greater Toronto Area and remained as powerful as a category 1 hurricane. This unprecedented extreme event is now used throughout Southern Ontario as a “scenario-type” storm event for the exception of the Niagara and Windsor-Essex regions. The most intense portion of the storm event (212 mm in 12 hours) was plotted with the September 2016 rainfall and City IDF data due to the similarities between the unofficial WU rain gauge and Hurricane Hazen data; particularly the precipitation totals, antecedent soil conditions and irregular intensity at the time both storms hit each region. The order of magnitude and variability that potentially occurred over Tecumseh also had comparable data as Hurricane Hazel.

When comparing the rainfall data with the updated 2016 IDF frequency curves for the City of Windsor Airport Station with the Weather Underground (Ontario 771) rain gauge data, the rainfall rates with respect to the intensity of the storm event well exceeded a 1:100 year return period for all design storms beyond a 30 minute durational storm event. An event such as this is considered historic in the local area and was primarily concentrated within the centre of the Town of Tecumseh.

3.2 Observed Surface Flooding

Based on accepted guidelines for the design of local storm drainage systems, observed street flooding is expected to occur during larger storm event (i.e. 1:100 year) to a maximum 0.30 m for new developments. Through review of the rainfall data, personal accounts and photographs within the Municipality, the event is assumed to be well beyond a 1:100 year rainfall which caused the Municipality to experience extensive surface flooding that exceeded the acceptable level as a result of this storm event. This included flooding beyond the acceptable levels along roadways, parking lots and within private residential properties. In general, extensive surface flooding occurred throughout the majority of the Municipality within the study area.

Flow conveyance within the Cyr and East Townline Municipal Drains reached and exceeded their respective banks during the morning hours of September 29, 2016. The Lakewood Diversion Channel within Lakewood Park also reached its banks during the same morning hours.

For roadways with semi-urban cross sections, the majority of the flooding occurred along private property and within the roadside ditches. Without a curb and gutter to contain, convey and concentrate the overland flow along the streets, runoff spread beyond the right-of-way and ponded within depressed areas until the runoff volume was either infiltrated or eventually dissipated into the storm sewer system once there was free conveyance capacity. The areas of semi-urban cross sections include the following:

- Coronado Dish;
- Kensington Dish;
- Arlington/St. Mark's/Edgewater; and
- St. Anne Street Area.

Photographs of the surface flooding throughout the study area are provided within Appendix A.

3.3 Storm Pumping Operations

In accordance with the Town's standard operating procedures during significant rainfall events, the Public Works crews attended each stormwater pumping stations to monitor their operation and log running hours.

During the course of the site visits, Town staff generally noted that street flooding occurred in areas close to Riverside Drive, primarily in the north-westerly portion of the Town along Lesperance Road and the Coronado Dish Area. The majority of the surface flooding subsided within 12 hours of the end of the rainfall on September 29, 2016; however, the majority of the pumping stations continued to operate into the morning of September 30, 2016, and returned to normal operating levels by noon of that day.

Provided below in Table 7 are the pump station capacity and operating hours during the September 28/29, 2016 storm event, as provided by Town staff. General operating pump details have been included for each facility.

Table 7: Pump Station Running Hours - September 2016 Flooding Event

Station	Town Pump #	Capacity (m ³ /s)	Logged PS Running Hours	Pump Details
Lesperance Pump Station	1	2.83 m ³ /s	11 Hours	<ul style="list-style-type: none"> Submersible Backup Pumps Nos. 1 & 2 have a combined capacity of the 1 screw pump with no soft starts.
	2	2.83 m ³ /s	12.4 Hours	
	3	5.66 m ³ /s	22 Hours	<ul style="list-style-type: none"> Main duty screw pump.
West St. Louis Pump Station	1	2.83 m ³ /s	20 Hours	<ul style="list-style-type: none"> Typical operation has the two screw pumps switching over from duty to standby every 100 hours.
	2	2.83 m ³ /s	10 Hours	
East St. Louis Pump Station	1	2.125 m ³ /s	20 Hours	<ul style="list-style-type: none"> Assumed lead screw pump.
	2	2.125 m ³ /s	10 Hours	<ul style="list-style-type: none"> Assumed standby screw pump.
	3	2.125 m ³ /s	0 Hours	<ul style="list-style-type: none"> Assumed 3rd screw pump has capacity of 1 main pump for emergency back-up.
				<ul style="list-style-type: none"> Original pump station (ie. wet well, outlet sewer) designed for operation of only 2 pumps to run simultaneously. Recent electrical upgrades designed to allow all three to run simultaneously, however a re-analysis of the pump station (wet well volume, inlet/outlet capacity) was never undertaken to determine if it was feasible. Pump did not run during September 2016 flooding event (under maintenance).
Manning ETLD Pump Station	1	2.490 m ³ /s	6.4 Hours	<ul style="list-style-type: none"> Four Variable Frequency Drive (VFD) pumps operate under 1 Lead, 2 Lag and 1 Stand-by. VFD's allow each pump to match storm flows

Station	Town Pump #	Capacity (m ³ /s)	Logged PS Running Hours	Pump Details
	2	2.490 m ³ /s	5 Hours	<ul style="list-style-type: none"> within flow range steps of approximately 1200 L/s to 2490 L/s. VFD pumps only operate over a narrow range of head during larger storm events. Stand-by VFD pump can only be started manually, unless one duty fails or is out of service. Pump station operator cycles through pumps for lead and lag to maintain equal hours under normal conditions.
	3	2.490 m ³ /s	22 Hours	
	4	2.490 m ³ /s	20 Hours	
	5	0.125 m ³ /s	18.5 Hours	<ul style="list-style-type: none"> The two small jockey pumps operate based on a rotating duty/stand-by sequence to handle small storm events.
	6	0.125 m ³ /s	24 Hours	
	Scully (Edgewater) Pump Station	1	0.397 m ³ /s	20 Hours
2		0.397 m ³ /s	11 Hours	
3		Unknown	0 hours	<ul style="list-style-type: none"> 3rd larger vertical propeller pump used during emergencies of high water levels within the wet well (only 81 running hours over 40 years). Identified by operations that 3 pumps could never run simultaneously. Pump did not run during September 2016 flooding event.
St. Marks Pump Station	1	0.350 m ³ /s	14 Hours	<ul style="list-style-type: none"> 1 lead and 1 stand-by pump.
	2	0.350 m ³ /s	11 Hours	
Peter Cecile (Kensington) Pump Station	1	0.397 m ³ /s	14 Hours	<ul style="list-style-type: none"> 1st and 2nd duty vertical propeller pumps alternate unless both are required to operate under large storm events.
	2	0.397 m ³ /s	24 Hours	
Brighton Road Pump Station	1	0.750 m ³ /s	0 Hours	<ul style="list-style-type: none"> Four vertical turbine pumps operate under 1 Lead, 2 Lag and 1 Stand-by. During September storm event, only 3 of the 4 pumps were running. Pump station operator cycles through pumps
	2	0.750 m ³ /s	10 Hours	
	3	0.750 m ³ /s	9 Hours	

Station	Town Pump #	Capacity (m ³ /s)	Logged PS Running Hours	Pump Details
	4	0.750 m ³ /s	15 Hours	for lead and lag to maintain equal hours.
	5	0.075 m ³ /s	10 Hours	• The two small jockey pumps operate based on a rotating duty/stand-by sequence to handle small storm events.
	6	0.075 m ³ /s	10 Hours	

3.4 Basement Flooding

3.4.1 Historical

Based on rainfall data that was summarized within the Public Works and Environmental Services Report No. 40/16 for the Rainfall Event of September 29, 2016, and obtained from the Town of Tecumseh, Table 8 is a list of recorded rainfall events with the respective rainfall amounts that resulted in basement flooding throughout the Municipality since 1981.

Table 8: Historical Rainfall Event Summary

Date of Event	Source of Rainfall Data	Total Rainfall Amount	Areas of Basement Flood Concern
September 1981	Environment Canada, Windsor Airport	89.0 mm	Basement flooding reported in St. Clair Beach, Old Tecumseh and Tecumseh Hamlet.
July 1983	Environment Canada, Windsor Airport	82.0 mm	Basement flooding reported in St. Clair Beach.
February 1985	Environment Canada, Windsor Airport	34.6 mm	Basement flooding reported in St. Clair Beach.
February 1990	Environment Canada, Windsor Airport	70.6 mm	Basement flooding reported in St. Clair Beach.
June 2010	Environment Canada, Windsor Riverside Ontario (Volunteer Site)	89.8 mm	Basement flooding reported in St. Clair Beach, Old Tecumseh and Tecumseh Hamlet.
September 2011	Environment Canada, Windsor Airport	86.0 mm	Basement flooding reported in St. Clair Beach.
July 2013	Environment Canada, Windsor Airport	70 mm (in 4hrs)	Basement flooding reported in Tecumseh Hamlet.
September 2016	Weather Underground Private Rain Gauge	221 mm	Basement and surface flooding reported throughout St. Clair Beach and northern portions of the Town.

3.4.2 September 28/29, 2016

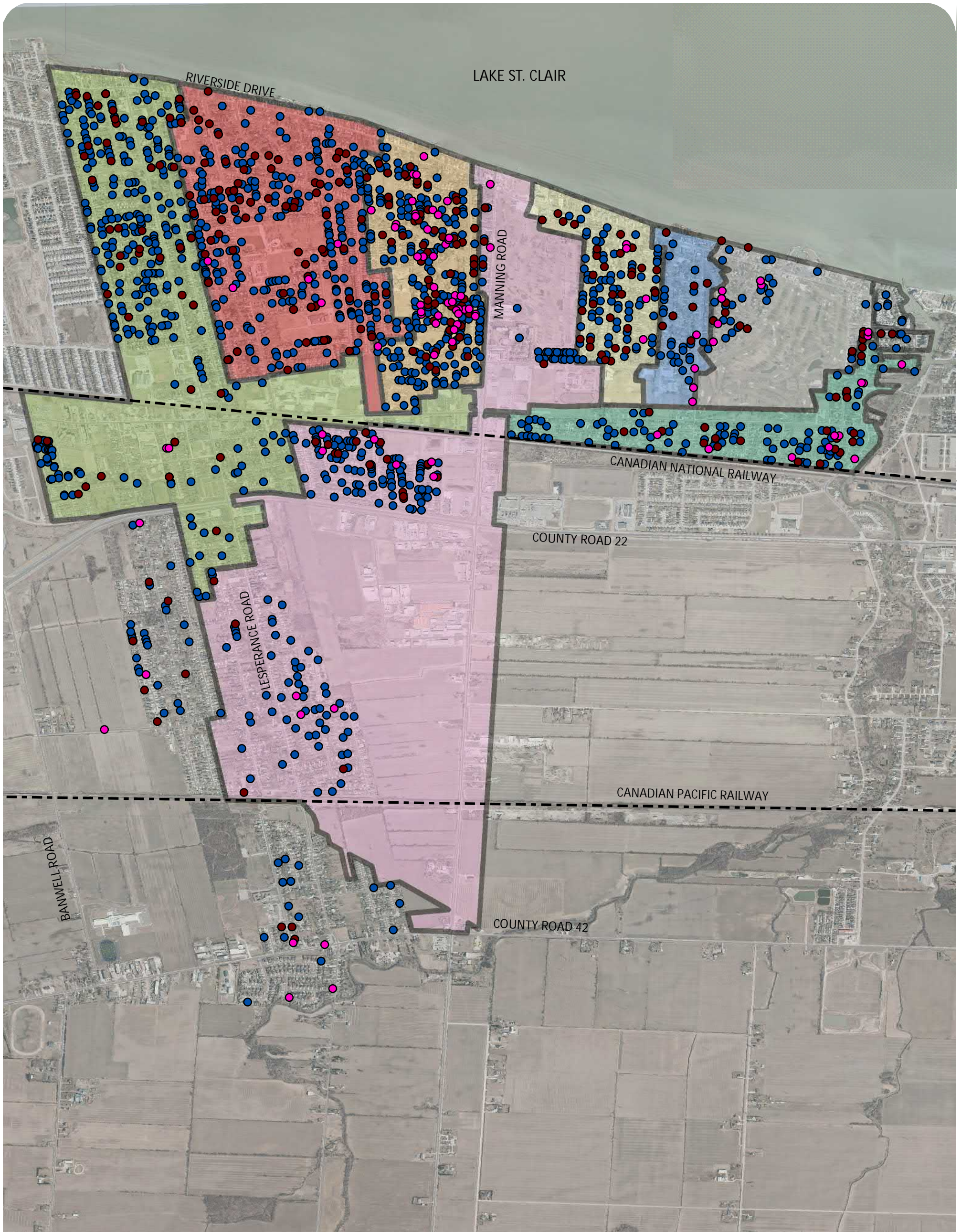
In an effort to document the extent and the nature of basement flooding that occurred on September 28/29 2016, the Town created a survey on their website for homeowners to complete. This survey was also filled out by homeowners who called in to report basement flooding.

The survey included the following:

- Name, address and telephone number;
- Identify if the homeowner has a sump pump, floor drain, backflow preventer, sewage ejector pump and plumbing fixtures located in the basement level;
- Was there experienced basement flooding on September 29, 2016;
- Where water was entering the basement;
- Duration of the basement flooding;
- Appearance of water that was in the basement; and
- Whether the street was flooded in their neighbourhood, as well as the duration of any street flooding.

Since the September storm event, more than 1,300 residents have reported via telephone or through the flood survey posted on the Tecumseh website that they had basement flooding occur at their properties during the event. Overall, the flooding from the September flooding event was widespread, with most of the flooding occurring north of County Road 22.

Documented basement flooding reports from previous flooding events were provided by the Town of Tecumseh and are summarized and shown within Figure 5. The figure illustrates the location of homeowners that responded with basement flooding complaints during the noted events.



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

HISTORICALLY DOCUMENTED
BASEMENT FLOODING REPORTS

FIGURE 5

- September 2016 Basement Flooding Reports
- November 2011 Basement Flooding Reports
- June 2010 Basement Flooding Reports

PUMP STATION NAME	APPROXIMATE DRAINAGE AREA (ha)
LESPERANCE PS	273.48
WEST ST LOUIS PS	174.88
EAST ST LOUIS PS	91.40
MANNING PS	480.95
SCULLY/ EDGE WATER PS	55.88
ST. MARK'S PS	33.90
PETER CECILE/ KENSINGTON PS	79.01
BRIGHTON PS	73.47

*September 28/29, 2016 Surface Flooding
Photos and Rain Gauge Data*



Cyr Municipal Drain at bankfull along County Road 22, West of County Road 19 in Tecumseh, Ontario



East Townline Municipal Drain facing South at CR22/19 intersection in Tecumseh, Ontario



East Townline Municipal Drain at bankfull along Manning Rd, North of St. Gregory's Rd. in Tecumseh, Ontario



East Townline Municipal Drain at bankfull along Manning Rd. in Tecumseh, Ontario



Lakewood Park Drainage Channel at bankfull East of Manning Rd. in Tecumseh, Ontario



Surface flooding within Zehrs Grocery parking lot on Manning Rd. in Tecumseh, Ontario



Surface flooding along St. Gregory's Rd. East of Manning Road in Tecumseh, Ontario



Surface flooding along St. Gregory's Rd. at the intersection of Edgewater Blvd. and St. Gregory's Rd. in Tecumseh, Ontario



Surface flooding along St. Gregory's Rd. East of St. Marks Rd. in Tecumseh, Ontario



Surface flooding along Arlington Blvd. between St. Gregory's Rd. and Burlington Rd. in Tecumseh, Ontario



Surface flooding at the intersection of Essex Rd. and Clovelly Rd. in Tecumseh, Ontario



Surface flooding at the intersection of Kensington Blvd. and Riverside Dr. facing North at the Peter Cecile Storm Pump Station in Tecumseh, Ontario



Surface flooding at the roundabout intersection of Brighton Rd. and Aloha Dr. facing South in Tecumseh, ON



Surface flooding along Mei Lin Crescent in Tecumseh, ON



Surface flooding along Beach Grove Golf and Country Club in Tecumseh, Ontario



Surface flooding along Pentilly Rd. at Riverside Dr. Facing South in Tecumseh, Ontario



Surface flooding along Pentilly Rd. Facing North to Riverside Dr. in Tecumseh, Ontario



Surface flooding along Lacasse Blvd. facing North at Little River Blvd. in Tecumseh, Ontario



Surface flooding along Little River Blvd. at Manning Rd. facing West in Tecumseh, Ontario



Surface flooding along Little River Blvd. at Manning Rd. facing Southwest in Tecumseh, Ontario



Surface flooding along Riverside Dr. approaching Arlington Blvd. facing East in Tecumseh, Ontario



Surface flooding in Tecumseh, Ontario

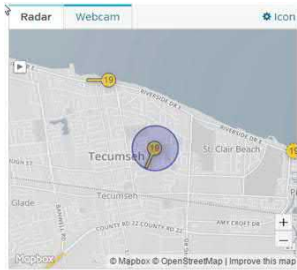


Surface flooding at Lacasse Park in Tecumseh, Ontario



Surface flooding along Michael Dr. in Tecumseh, Ontario

Town of Tecumseh Weather Underground Rain Gauge Data
September 28/29th 2016 Flooding Event



Tecumseh IONTARIO771

	Time	Precip. Rate.	Daily Precip. Accum.	Total 2-day	Incr	24-hr max	12-hr max	6-hr max	2-hr max	1-hr max	30-min max	15-min max	10-min max	5-min max
2016-09-28 0:03	12:03 AM	0	0	0	0	28.7	0.8	0	0	0	0	0	0	0
2016-09-28 0:09	12:09 AM	0	0	0	0	28.7	0.8	0	0	0	0	0	0	0
2016-09-28 0:14	12:14 AM	0	0	0	0	29.2	1	0	0	0	0	0	0	0
2016-09-28 0:19	12:19 AM	0	0	0	0	29.2	1	0	0	0	0	0	0	0
2016-09-28 0:25	12:25 AM	0	0	0	0	29.2	1.3	0	0	0	0	0	0	0
2016-09-28 0:30	12:30 AM	0	0	0	0	29.2	1.3	0	0	0	0	0	0	0
2016-09-28 0:36	12:36 AM	0	0	0	0	29.7	1.3	0	0	0	0	0	0	0
2016-09-28 0:41	12:41 AM	0	0	0	0	29.7	1.3	0	0	0	0	0	0	0
2016-09-28 0:47	12:47 AM	0	0	0	0	30	1.5	0	0	0	0	0	0	0
2016-09-28 0:52	12:52 AM	0	0	0	0	30	1.5	0	0	0	0	0	0	0
2016-09-28 0:58	12:58 AM	0	0	0	0	30	1.5	0	0	0	0	0	0	0
2016-09-28 1:08	1:08 AM	0	0	0	0	30.2	1.5	0	0	0	0	0	0	0
2016-09-28 1:13	1:13 AM	0	0	0	0	30.2	1.5	0	0	0	0	0	0	0
2016-09-28 1:18	1:18 AM	0	0	0	0	30.2	1.5	0	0	0	0	0	0	0
2016-09-28 1:24	1:24 AM	0	0	0	0	30.2	1.5	0	0	0	0	0	0	0
2016-09-28 1:29	1:29 AM	0	0	0	0	30.2	1.5	0	0	0	0	0	0	0
2016-09-28 1:34	1:34 AM	0	0	0	0	30.2	1.5	0	0	0	0	0	0	0
2016-09-28 1:40	1:40 AM	0	0	0	0	30.2	1.5	0	0	0	0	0	0	0
2016-09-28 1:56	1:56 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:02	2:02 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:07	2:07 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:13	2:13 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:18	2:18 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:24	2:24 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:30	2:30 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:35	2:35 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:41	2:41 AM	0	0	0	0	30.5	1.5	0	0	0	0	0	0	0
2016-09-28 2:46	2:46 AM	0	0	0	0	30.5	1.8	0	0	0	0	0	0	0
2016-09-28 2:52	2:52 AM	0	0	0	0	33.5	1.8	0	0	0	0	0	0	0
2016-09-28 2:57	2:57 AM	0	0	0	0	35.6	1.8	0	0	0	0	0	0	0
2016-09-28 3:03	3:03 AM	0	0	0	0	36.1	1.8	0	0	0	0	0	0	0
2016-09-28 3:08	3:08 AM	0	0	0	0	36.6	1.8	0	0	0	0	0	0	0
2016-09-28 3:13	3:13 AM	0	0	0	0	37.6	1.8	0	0	0	0	0	0	0
2016-09-28 3:19	3:19 AM	0	0	0	0	39.1	1.8	0	0	0	0	0	0	0
2016-09-28 3:24	3:24 AM	0	0	0	0	39.4	2	0	0	0	0	0	0	0
2016-09-28 3:35	3:35 AM	0	0	0	0	39.4	2	0	0	0	0	0	0	0
2016-09-28 3:41	3:41 AM	0	0	0	0	39.9	2	0	0	0	0	0	0	0
2016-09-28 3:46	3:46 AM	0	0	0	0	40.4	2	0	0	0	0	0	0	0
2016-09-28 3:52	3:52 AM	0	0	0	0	40.4	2.3	0	0	0	0	0	0	0
2016-09-28 3:58	3:58 AM	0	0	0	0	40.4	3.8	0	0	0	0	0	0	0
2016-09-28 4:03	4:03 AM	0	0	0	0	40.6	4.3	0	0	0	0	0	0	0
2016-09-28 4:09	4:09 AM	0	0	0	0	40.6	4.3	0	0	0	0	0	0	0
2016-09-28 4:14	4:14 AM	0	0	0	0	40.6	4.3	0	0	0	0	0	0	0
2016-09-28 4:20	4:20 AM	0	0	0	0	40.6	4.3	0	0	0	0	0	0	0
2016-09-28 4:25	4:25 AM	0	0	0	0	40.6	4.3	0	0	0	0	0	0	0
2016-09-28 4:31	4:31 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 4:36	4:36 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 4:42	4:42 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 4:47	4:47 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 4:53	4:53 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 4:58	4:58 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 5:04	5:04 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 5:09	5:09 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0

Town of Tecumseh Weather Underground Rain Gauge Data
September 28/29th 2016 Flooding Event

2016-09-28 5:15	5:15 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 5:20	5:20 AM	0	0	0	0	40.9	4.3	0	0	0	0	0	0	0
2016-09-28 5:25	5:25 AM	0	0	0	0	41.4	4.3	0	0	0	0	0	0	0
2016-09-28 5:36	5:36 AM	0	0	0	0	41.7	4.3	0	0	0	0	0	0	0
2016-09-28 5:43	5:43 AM	0	0	0	0	41.7	4.3	0	0	0	0	0	0	0
2016-09-28 5:48	5:48 AM	0	0	0	0	41.7	4.3	0.3	0	0	0	0	0	0
2016-09-28 5:54	5:54 AM	0	0	0	0	41.7	4.3	0.3	0	0	0	0	0	0
2016-09-28 5:59	5:59 AM	0	0	0	0	41.7	4.3	0.3	0	0	0	0	0	0
2016-09-28 6:04	6:04 AM	0	0	0	0	41.9	4.3	0.8	0	0	0	0	0	0
2016-09-28 6:10	6:10 AM	0	0	0	0	42.2	4.3	0.8	0	0	0	0	0	0
2016-09-28 6:15	6:15 AM	0	0	0	0	42.2	4.3	1	0	0	0	0	0	0
2016-09-28 6:21	6:21 AM	0	0	0	0	46.7	4.3	1	0	0	0	0	0	0
2016-09-28 6:26	6:26 AM	0	0	0	0	54.1	4.3	1.3	0	0	0	0	0	0
2016-09-28 6:32	6:32 AM	0	0	0	0	61.2	4.3	1.3	0	0	0	0	0	0
2016-09-28 6:37	6:37 AM	0	0	0	0	62.5	4.3	1.3	0	0	0	0	0	0
2016-09-28 6:43	6:43 AM	0	0	0	0	62.7	4.3	1.3	0	0	0	0	0	0
2016-09-28 6:48	6:48 AM	0	0	0	0	64.5	4.3	1.5	0	0	0	0	0	0
2016-09-28 6:54	6:54 AM	0	0	0	0	67.1	4.3	1.5	0	0	0	0	0	0
2016-09-28 7:05	7:05 AM	0	0	0	0	67.8	4.3	1.5	0	0	0	0	0	0
2016-09-28 7:12	7:12 AM	0	0	0	0	69.8	4.3	1.5	0	0	0	0	0	0
2016-09-28 7:17	7:17 AM	0	0	0	0	71.1	4.6	1.5	0	0	0	0	0	0
2016-09-28 7:24	7:24 AM	0	0	0	0	71.6	4.6	1.5	0	0	0	0	0	0
2016-09-28 7:29	7:29 AM	0	0	0	0	76.5	4.6	1.5	0	0	0	0	0	0
2016-09-28 7:34	7:34 AM	0	0	0	0	83.8	4.6	1.5	0	0	0	0	0	0
2016-09-28 7:40	7:40 AM	0	0	0	0	92.2	4.6	1.5	0	0	0	0	0	0
2016-09-28 7:45	7:45 AM	0	0	0	0	99.8	4.6	1.5	0	0	0	0	0	0
2016-09-28 7:51	7:51 AM	0	0	0	0	105.4	4.6	1.5	0	0	0	0	0	0
2016-09-28 7:57	7:57 AM	0	0	0	0	113.8	4.6	1.5	0	0	0	0	0	0
2016-09-28 8:02	8:02 AM	0	0	0	0	125.2	4.6	1.5	0	0	0	0	0	0
2016-09-28 8:08	8:08 AM	0	0	0	0	134.9	4.6	1.5	0	0	0	0	0	0
2016-09-28 8:13	8:13 AM	0	0	0	0	143	5.1	1.5	0	0	0	0	0	0
2016-09-28 8:19	8:19 AM	0	0	0	0	150.1	5.3	1.5	0	0	0	0	0	0
2016-09-28 8:24	8:24 AM	0	0	0	0	154.7	5.6	1.5	0	0	0	0	0	0
2016-09-28 8:30	8:30 AM	0	0	0	0	159.5	5.8	1.5	0	0	0	0	0	0
2016-09-28 8:35	8:35 AM	0	0	0	0	163.3	6.1	1.5	0	0	0	0	0	0
2016-09-28 8:41	8:41 AM	0	0	0	0	164.3	6.3	1.8	0	0	0	0	0	0
2016-09-28 8:46	8:46 AM	0	0	0	0	169.2	6.3	1.8	0	0	0	0	0	0
2016-09-28 8:52	8:52 AM	0	0	0	0	169.7	7.1	1.8	0	0	0	0	0	0
2016-09-28 8:57	8:57 AM	0	0	0	0	174	7.1	1.8	0	0	0	0	0	0
2016-09-28 9:08	9:08 AM	0	0	0	0	177.8	7.1	1.8	0	0	0	0	0	0
2016-09-28 9:14	9:14 AM	0	0	0	0	179.3	7.1	1.8	0	0	0	0	0	0
2016-09-28 9:19	9:19 AM	0	0	0	0	181.6	7.1	1.8	0	0	0	0	0	0
2016-09-28 9:25	9:25 AM	0	0	0	0	186.9	7.4	2	0	0	0	0	0	0
2016-09-28 9:32	9:32 AM	0	0	0	0	188	7.4	2	0	0	0	0	0	0
2016-09-28 9:37	9:37 AM	0	0	0	0	189	7.4	2	0	0	0	0	0	0
2016-09-28 9:43	9:43 AM	0	0	0	0	190.8	7.4	2	0	0	0	0	0	0
2016-09-28 9:50	9:50 AM	0	0	0	0	197.6	7.4	2.3	0	0	0	0	0	0
2016-09-28 9:55	9:55 AM	0	0	0	0	203.2	8.1	3.8	0.3	0	0	0	0	0
2016-09-28 10:00	10:00 AM	0	0	0	0	204	8.6	4.3	0.3	0	0	0	0	0
2016-09-28 10:06	10:06 AM	0	0	0	0	204.7	8.9	4.3	0.3	0	0	0	0	0
2016-09-28 10:11	10:11 AM	0	0	0	0	205.2	10.2	4.3	0.8	0	0	0	0	0
2016-09-28 10:18	10:18 AM	0	0	0	0	206	11.2	4.3	0.8	0	0	0	0	0
2016-09-28 10:24	10:24 AM	0	0	0	0	206	11.4	4.3	1	0	0	0	0	0
2016-09-28 10:29	10:29 AM	0	0	0	0	206	11.9	4.3	1	0	0	0	0	0
2016-09-28 10:35	10:35 AM	0	0	0	0	206	12.4	4.3	1.3	0	0	0	0	0
2016-09-28 10:41	10:41 AM	0	0	0	0	210.1	12.7	4.3	1.3	0.3	0	0	0	0
2016-09-28 10:47	10:47 AM	0	0	0	0	211.8	13.5	4.3	1.3	0.3	0	0	0	0
2016-09-28 10:52	10:52 AM	0	0	0	0	211.8	14	4.3	1.3	0.3	0	0	0	0
2016-09-28 10:58	10:58 AM	0	0	0	0	211.8	15.5	4.3	1.5	0.8	0	0	0	0
2016-09-28 11:05	11:05 AM	0	0	0	0	211.8	16.3	4.3	1.5	0.8	0	0	0	0
2016-09-28 11:10	11:10 AM	0	0	0	0	211.8	17	4.3	1.5	1	0.3	0	0	0
2016-09-28 11:16	11:16 AM	0	0	0	0	211.8	18	4.3	1.5	1	0.3	0	0	0
2016-09-28 11:23	11:23 AM	0	0	0	0	211.8	19.6	4.3	1.5	1.3	0.3	0	0	0
2016-09-28 11:29	11:29 AM	0	0	0	0	212.3	20.6	4.3	1.5	1.3	0.8	0.3	0	0
2016-09-28 11:34	11:34 AM	0	0	0	0	213.9	21.1	4.3	1.5	1.3	0.8	0.3	0.3	0
2016-09-28 11:41	11:41 AM	0.3	0.3	0.3	0.3	215.6	21.6	4.3	1.5	1.3	1	0.3	0.3	0.3

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2016-09-29 8:39 AM	23.4	149.1	177.8	3.8	53.6	51.5	47.2	37.8	30.7	15	7.6	5.3	3.8
2016-09-29 8:45 AM	24.9	150.6	179.3	1.5	49.8	47.7	43.4	34	27.4	13	9.1	3.8	1.5
2016-09-29 8:50 AM	27.2	152.9	181.6	2.3	48.3	46.2	41.9	32.5	26.7	18.3	8.7	7.6	2.3
2016-09-29 8:56 AM	32.5	158.2	186.9	5.3	46	43.9	39.6	30.2	24.4	21.6	7.4	6.4	5.3
2016-09-29 9:01 AM	0	159.3	188	1.1	40.7	38.9	34.3	24.9	19.1	17.1	3.9	2.1	1.1
2016-09-29 9:06 AM	1	160.3	189	1	39.6	38.1	33.2	23.8	18	16.7	9.6	2.8	1
2016-09-29 9:11 AM	2.8	162.1	190.8	1.8	38.6	37.1	32.2	23.3	21.1	16.2	14.2	8.6	1.8
2016-09-29 9:17 AM	9.7	168.9	197.6	6.8	36.8	35.3	30.4	23.1	21	15.2	13.2	12.4	6.8
2016-09-29 9:22 AM	15.2	174.5	203.2	5.6	30	28.5	23.6	18	14.2	8.4	7.1	6.4	5.6
2016-09-29 9:28 AM	16	175.3	204	0.8	24.4	23.4	18	15	8.6	2.8	2	1.5	0.8
2016-09-29 9:33 AM	16.8	176	204.7	0.7	23.6	22.8	17.2	14.4	7.8	2	2	1.2	0.7
2016-09-29 9:39 AM	17.3	176.5	205.2	0.5	22.9	22.4	16.5	14.2	7.1	5.4	1.3	1.3	0.5
2016-09-29 9:44 AM	18	177.3	206	0.8	22.4	22.4	16	14.5	6.6	6.6	0.8	0.8	0.8
2016-09-29 9:50 AM	18	177.3	206	0	21.6	21.6	15.2	14	5.8	5.8	0	0	0
2016-09-29 9:55 AM	18	177.3	206	0	21.6	21.6	15.2	14	6.3	5.8	4.1	0	0
2016-09-29 10:01 AM	0	177.3	206	0	21.6	21.6	15.2	14	7.9	5.8	5.8	4.1	0
2016-09-29 10:06 AM	4.1	181.4	210.1	4.1	21.6	21.6	15.2	14.2	9.6	5.8	5.8	5.8	4.1
2016-09-29 10:12 AM	5.8	183.1	211.8	1.7	17.5	17.5	11.1	10.4	8.1	1.7	1.7	1.7	1.7
2016-09-29 10:17 AM	5.8	183.1	211.8	0	15.8	15.8	9.4	8.7	6.6	0	0	0	0
2016-09-29 10:23 AM	5.8	183.1	211.8	0	15.8	15.8	9.4	8.7	7.1	0.5	0	0	0
2016-09-29 10:28 AM	5.8	183.1	211.8	0	15.8	15.8	9.4	8.7	7.9	2.1	0	0	0
2016-09-29 10:34 AM	5.8	183.1	211.8	0	15.8	15.8	9.7	8.9	8.2	3.8	0	0	0
2016-09-29 10:39 AM	5.8	183.1	211.8	0	15.8	15.8	9.9	8.9	8.2	6.4	0.5	0	0
2016-09-29 10:45 AM	5.8	183.1	211.8	0	15.8	15.8	10.4	9.2	8.2	6.6	2.1	0.5	0
2016-09-29 10:51 AM	6.3	183.6	212.3	0.5	15.8	15.8	10.7	9.2	8.4	7.1	3.8	2.1	0.5
2016-09-29 10:56 AM	7.9	185.2	213.9	1.6	15.3	15.3	10.7	8.7	8.2	7.4	5.9	3.3	1.6
2016-09-29 11:02 AM	0.8	186.9	215.6	1.7	13.7	13.7	9.9	7.1	6.6	6.1	4.5	4.3	1.7
2016-09-29 11:07 AM	3.3	189.5	218.2	2.6	12	12	8.9	5.4	4.9	4.4	3.3	2.8	2.6
2016-09-29 11:13 AM	3.6	189.7	218.4	0.2	9.4	9.4	6.3	2.8	2.3	1.8	1.5	0.7	0.2
2016-09-29 11:18 AM	4.1	190.2	218.9	0.5	9.2	9.2	6.6	2.6	2.3	1.8	1.6	1.3	0.5
2016-09-29 11:23 AM	4.8	191	219.7	0.8	8.7	8.7	6.1	2.1	1.8	1.6	1.1	1.1	0.8
2016-09-29 11:28 AM	5.1	191.3	220	0.3	7.9	7.9	5.6	1.5	1.3	0.8	0.3	0.3	0.3
2016-09-29 11:34 AM	5.1	191.3	220	0	7.6	7.6	5.3	1.2	1	0.5	0.2	0	0
2016-09-29 11:39 AM	5.1	191.3	220	0	7.6	7.6	5.5	1.2	1	0.5	0.5	0.2	0
2016-09-29 11:45 AM	5.3	191.5	220.2	0.2	7.6	7.6	5.5	1.2	1	0.7	0.5	0.5	0.2
2016-09-29 11:50 AM	5.6	191.8	220.5	0.3	7.4	7.4	5.3	1	0.8	0.5	0.3	0.3	0.3
2016-09-29 11:56 AM	5.6	191.8	220.5	0	7.1	7.1	5	0.7	0.5	0.5	0	0	0
2016-09-29 12:01 PM	0	191.8	220.5	0	7.1	7.1	5	0.7	0.5	0.5	0.2	0	0
2016-09-29 12:07 PM	0	191.8	220.5	0	7.1	7.1	5	0.7	0.5	0.5	0.2	0.2	0
2016-09-29 12:12 PM	0.3	192	220.7	0.2	7.1	7.1	5	0.7	0.7	0.5	0.5	0.2	0.2
2016-09-29 12:18 PM	0.3	192	220.7	0	6.9	6.9	4.8	0.5	0.5	0.3	0.3	0.3	0
2016-09-29 12:23 PM	0.5	192.3	221	0.3	6.9	6.9	4.8	0.5	0.5	0.3	0.3	0.3	0.3
2016-09-29 12:29 PM	0.5	192.3	221	0	6.6	6.6	4.5	0.2	0.2	0	0	0	0
2016-09-29 12:34 PM	0.5	192.3	221	0	6.6	6.6	4.5	0.2	0.2	0	0	0	0
2016-09-29 12:40 PM	0.5	192.3	221	0	6.6	6.6	4.5	0.2	0.2	0.2	0	0	0
2016-09-29 12:45 PM	0.5	192.3	221	0	6.6	6.6	4.5	0.2	0.2	0.2	0	0	0
2016-09-29 12:50 PM	0.5	192.3	221	0	6.6	6.6	4.5	0.2	0.2	0.2	0	0	0
2016-09-29 12:56 PM	0.5	192.3	221	0	6.6	6.6	4.5	0.2	0.2	0.2	0.2	0	0
2016-09-29 13:02 PM	0	192.3	221	0	6.6	6.6	4.5	0.2	0.2	0.2	0.2	0.2	0
2016-09-29 13:07 PM	0.3	192.5	221.2	0.2	6.6	6.6	4.5	0.2	0.2	0.2	0.2	0.2	0.2
2016-09-29 13:12 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 13:18 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 13:23 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 13:29 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 13:34 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 13:39 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 13:45 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 13:50 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 13:55 PM	0.3	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 14:01 PM	0	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 14:06 PM	0	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 14:12 PM	0	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 14:17 PM	0	192.5	221.2	0	6.4	6.4	4.3	0	0	0	0	0	0
2016-09-29 14:23 PM	0	192.5	221.2	0	6.4	6.4	4.3	0.3	0	0	0	0	0

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2016-09-29 14:28	2:28 PM	0	192.5	221.2	0	6.4	6.4	4.3	0.5	0	0	0	0	0
2016-09-29 14:34	2:34 PM	0	192.5	221.2	0	6.4	6.4	4.6	1	0	0	0	0	0
2016-09-29 14:39	2:39 PM	0	192.5	221.2	0	6.4	6.4	4.9	1.3	0	0	0	0	0
2016-09-29 14:44	2:44 PM	0	192.5	221.2	0	6.4	6.4	4.9	1.8	0	0	0	0	0
2016-09-29 14:49	2:49 PM	0	192.5	221.2	0	6.4	6.4	4.9	2.6	0	0	0	0	0
2016-09-29 14:55	2:55 PM	0	192.5	221.2	0	6.4	6.4	4.9	3.3	0	0	0	0	0
2016-09-29 15:00	3:00 PM	0	192.5	221.2	0	6.4	6.4	5.4	3.3	0	0	0	0	0
2016-09-29 15:06	3:06 PM	0	192.5	221.2	0	6.4	6.4	5.6	3.8	0.3	0	0	0	0
2016-09-29 15:12	3:12 PM	0	192.5	221.2	0	6.4	6.4	5.9	3.8	0.5	0	0	0	0
2016-09-29 15:17	3:17 PM	0	192.5	221.2	0	6.4	6.4	6.4	4.1	1	0	0	0	0
2016-09-29 15:22	3:22 PM	0	192.5	221.2	0	6.4	6.4	6.4	4.1	1.3	0	0	0	0
2016-09-29 15:28	3:28 PM	0	192.5	221.2	0	6.4	6.4	6.4	4.3	1.8	0	0	0	0
2016-09-29 15:33	3:33 PM	0	192.5	221.2	0	6.4	6.4	6.4	4.3	2.6	0.3	0	0	0
2016-09-29 15:39	3:39 PM	0	192.5	221.2	0	6.4	6.4	6.4	4.3	3.3	0.5	0	0	0
2016-09-29 15:44	3:44 PM	0	192.5	221.2	0	6.4	6.4	6.4	4.3	3.3	1	0	0	0
2016-09-29 15:50	3:50 PM	0	192.5	221.2	0	6.4	6.4	6.4	4.3	3.8	1.3	0.3	0	0
2016-09-29 15:55	3:55 PM	0	192.5	221.2	0	6.4	6.4	6.4	4.3	3.8	1.8	0.5	0.3	0
2016-09-29 16:01	4:01 PM	0.3	192.8	221.5	0.3	6.4	6.4	6.4	4.3	4.1	2.6	1	0.5	0.3
2016-09-29 16:06	4:06 PM	0.5	193	221.7	0.2	6.1	6.1	6.1	4	3.8	3	1	0.7	0.2
2016-09-29 16:11	4:11 PM	1	193.5	222.2	0.5	5.9	5.9	5.9	3.8	3.8	2.8	1.3	0.8	0.5
2016-09-29 16:16	4:16 PM	1.3	193.8	222.5	0.3	5.4	5.4	5.4	3.3	3.3	2.8	1.6	0.8	0.3
2016-09-29 16:22	4:22 PM	1.8	194.3	223	0.5	5.1	5.1	5.1	3	3	2.5	2	1.3	0.5
2016-09-29 16:27	4:27 PM	2.5	195.1	223.8	0.8	4.6	4.6	4.6	2.5	2.5	2.3	1.5	1.5	0.8
2016-09-29 16:33	4:33 PM	3.3	195.8	224.5	0.7	3.8	3.8	3.8	1.7	1.7	1.5	1.2	0.7	0.7
2016-09-29 16:38	4:38 PM	3.3	195.8	224.5	0	3.1	3.1	3.1	1	1	1	0.5	0.5	0
2016-09-29 16:44	4:44 PM	3.8	196.3	225	0.5	3.1	3.1	3.1	1	1	1	0.8	0.5	0.5
2016-09-29 16:49	4:49 PM	3.8	196.3	225	0	2.6	2.6	2.6	0.5	0.5	0.5	0.3	0.3	0
2016-09-29 16:54	4:54 PM	4.1	196.6	225.3	0.3	2.6	2.6	2.6	0.5	0.5	0.5	0.5	0.3	0.3
2016-09-29 17:00	5:00 PM	0	196.6	225.3	0	2.3	2.3	2.3	0.2	0.2	0.2	0.2	0.2	0
2016-09-29 17:05	5:05 PM	0.3	196.8	225.5	0.2	2.3	2.3	2.3	0.2	0.2	0.2	0.2	0.2	0.2
2016-09-29 17:10	5:10 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 17:16	5:16 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 17:21	5:21 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 17:27	5:27 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 17:32	5:32 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 17:38	5:38 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 17:43	5:43 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 17:49	5:49 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 17:54	5:54 PM	0.3	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 18:00	6:00 PM	0	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 18:05	6:05 PM	0	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 18:11	6:11 PM	0	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 18:16	6:16 PM	0	196.8	225.5	0	2.1	2.1	2.1	0	0	0	0	0	0
2016-09-29 18:22	6:22 PM	0	196.8	225.5	0	2.1	2.1	2.1	0.3	0	0	0	0	0
2016-09-29 18:27	6:27 PM	0	196.8	225.5	0	2.1	2.1	2.1	0.6	0	0	0	0	0
2016-09-29 18:33	6:33 PM	0	196.8	225.5	0	2.1	2.1	2.1	0.6	0	0	0	0	0
2016-09-29 18:38	6:38 PM	0	196.8	225.5	0	2.1	2.1	2.1	0.6	0	0	0	0	0
2016-09-29 18:43	6:43 PM	0	196.8	225.5	0	2.1	2.1	2.1	0.6	0	0	0	0	0
2016-09-29 18:49	6:49 PM	0	196.8	225.5	0	2.1	2.1	2.1	1.1	0	0	0	0	0
2016-09-29 18:54	6:54 PM	0	196.8	225.5	0	2.1	2.1	2.1	1.3	0	0	0	0	0
2016-09-29 19:00	7:00 PM	0	196.8	225.5	0	2.1	2.1	2.1	1.6	0	0	0	0	0
2016-09-29 19:05	7:05 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	0.3	0	0	0	0
2016-09-29 19:11	7:11 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	0.6	0	0	0	0
2016-09-29 19:16	7:16 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	0.6	0	0	0	0
2016-09-29 19:22	7:22 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	0.6	0	0	0	0
2016-09-29 19:27	7:27 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	0.6	0	0	0	0
2016-09-29 19:33	7:33 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	1.1	0.3	0	0	0
2016-09-29 19:38	7:38 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	1.3	0.6	0	0	0
2016-09-29 19:44	7:44 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	1.6	0.6	0	0	0
2016-09-29 19:49	7:49 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	2.1	0.6	0.3	0	0
2016-09-29 19:55	7:55 PM	0	196.8	225.5	0	2.1	2.1	2.1	2.1	2.1	0.6	0.6	0.3	0
2016-09-29 20:00	8:00 PM	0	197.1	225.8	0.3	2.1	2.1	2.1	2.1	2.1	1.1	0.6	0.6	0.3
2016-09-29 20:06	8:06 PM	0.3	197.4	226.1	0.3	1.8	1.8	1.8	1.8	1.8	1	0.3	0.3	0.3
2016-09-29 20:11	8:11 PM	0.3	197.4	226.1	0	1.5	1.5	1.5	1.5	1.5	1	0	0	0

Town of Tecumseh Weather Underground Rain Gauge Data
September 28/29th 2016 Flooding Event

2016-09-29 20:16	8:16 PM	0.3	197.4	226.1	0	1.5	1.5	1.5	1.5	1.5	1.5	0.5	0	0	
2016-09-29 20:22	8:22 PM	0.3	197.4	226.1	0	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.5	0	
2016-09-29 20:27	8:27 PM	0.8	197.9	226.6	0.5	1.5	1.5	1.5	1.5	1.5	1.5	1	0.7	0.5	
2016-09-29 20:33	8:33 PM	1	198.1	226.8	0.2	1	1	1	1	1	1	1	0.5	0.2	
2016-09-29 20:38	8:38 PM	1.3	198.4	227.1	0.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.3	
2016-09-29 20:49	8:49 PM	1.8	198.9	227.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
2016-09-29 20:55	8:55 PM	1.8	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:00	9:00 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:11	9:11 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:17	9:17 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:22	9:22 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:28	9:28 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:33	9:33 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:39	9:39 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:44	9:44 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:50	9:50 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 21:55	9:55 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:01	10:01 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:06	10:06 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:11	10:11 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:17	10:17 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:23	10:23 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:28	10:28 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:34	10:34 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:39	10:39 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:45	10:45 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:50	10:50 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 22:56	10:56 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:01	11:01 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:06	11:06 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:11	11:11 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:17	11:17 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:22	11:22 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:28	11:28 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:33	11:33 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:39	11:39 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:44	11:44 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:49	11:49 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
2016-09-29 23:55	11:55 PM	0	198.9	227.6	0	0	0	0	0	0	0	0	0	0	
				MAX	221.2	196.3	177.8	107.7	83.1	51.1	29.5	21.1	11.4 mm		
					9.2	16.4	29.6	53.9	83.1	102.2	118.0	126.6	136.8 mm/hr		

*Environment Canada Regional Rainfall
Statistics*

Table B-1 1946-2007 and 2011-2016 Annual Rainfall Extremes (mm)

Year	Rainfall Durations								
	5 min	10 min	15 min	30 min	60 min	120 min	360 min	720 min	1440 min
1946	10.7	14.2	15.0	22.6	29.0	42.7	46.2	49.3	54.9
1947	9.7	18.8	23.4	27.9	37.8	38.1	54.4	61.0	71.4
1948	7.1	7.9	9.9	11.7	15.0	16.0	30.7	40.1	44.2
1949	11.9	19.3	22.4	29.0	47.0	51.8	54.1	57.9	71.6
1950	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
1951	5.8	8.9	13.2	18.5	26.9	34.3	38.1	44.7	53.8
1952	7.4	13.2	15.0	19.0	30.7	37.1	43.9	46.7	47.0
1953	20.1	20.8	21.1	32.5	40.6	51.1	52.3	54.9	55.1
1954	8.9	13.7	16.0	20.6	24.6	27.4	52.1	66.3	67.3
1955	8.4	9.4	12.4	18.8	21.3	34.0	41.7	41.9	60.2
1956	8.4	11.7	12.2	15.5	23.4	30.7	35.6	39.9	44.2
1957	10.9	19.8	26.7	46.5	52.8	57.4	96.8	100.3	100.3
1958	7.9	11.7	11.9	15.0	23.1	29.5	35.1	38.9	40.4
1959	11.7	16.3	17.5	21.3	21.6	34.0	40.6	60.5	65.5
1960	7.6	10.7	12.4	16.8	29.5	34.5	36.6	43.9	54.4
1961	11.7	17.3	22.6	35.8	38.1	43.2	43.2	43.2	45.7
1962	14.0	21.8	24.4	34.0	54.6	64.3	64.8	64.8	64.8
1963	13.0	20.1	27.2	40.9	43.9	45.0	45.0	45.0	56.9
1964	13.2	17.5	22.4	27.2	27.2	28.7	33.5	36.6	39.4
1965	7.9	12.7	13.7	15.7	22.6	27.2	32.8	55.1	58.9
1966	14.5	18.8	23.1	32.5	33.0	47.0	57.1	64.5	67.3
1967	13.7	20.1	21.8	24.9	26.4	26.4	41.1	62.2	72.6
1968	10.2	15.2	17.5	25.9	36.8	38.1	60.2	77.2	78.2
1969	11.2	19.0	20.8	27.7	27.7	36.1	57.1	57.1	57.1
1970	9.4	12.2	16.5	17.0	22.6	29.5	29.7	36.6	39.6
1971	9.4	17.8	25.7	35.1	35.1	35.1	43.9	43.9	43.9
1972	9.9	12.2	14.5	19.6	25.9	28.7	31.0	31.2	39.1
1973	12.7	18.0	22.6	27.9	30.0	30.2	33.5	37.8	40.4
1974	15.0	26.2	39.4	41.1	45.0	49.5	49.8	49.8	49.8
1975	8.4	14.2	21.1	24.9	25.1	31.7	40.6	44.7	52.8
1976	9.1	13.2	14.0	16.5	22.9	27.4	34.3	35.3	40.4
1977	7.1	10.9	14.0	16.5	25.4	29.2	29.2	31.7	41.4
1978	8.8	10.5	11.8	20.4	21.1	21.1	22.5	28.6	31.0
1979	10.4	16.6	24.9	32.0	48.3	52.6	55.3	60.8	61.2
1980	14.1	17.2	25.0	35.6	45.3	45.6	46.3	79.8	80.0
1981	Missing	16.7	23.3	26.0	32.0	45.6	77.3	81.7	92.3
1982	7.7	10.7	13.2	18.9	27.3	28.3	28.3	40.4	49.9
1983	15.0	16.5	22.1	32.3	38.7	45.4	62.1	62.1	82.0
1984	6.0	8.8	11.3	17.5	17.7	21.0	32.6	34.9	37.2
1985	11.2	13.3	13.9	18.7	24.6	39.6	58.4	59.2	59.2
1986	8.0	12.7	18.0	19.4	20.7	32.0	37.7	47.7	88.6
1987	11.9	16.5	19.8	24.5	29.9	36.1	39.1	41.6	52.8

1988	7.0	8.8	12.5	12.7	12.9	14.4	28.0	32.3	33.0
1989	7.4	11.9	17.5	21.2	27.0	36.3	48.3	61.7	71.8
1990	11.4	16.0	18.8	20.5	22.4	26.4	41.9	52.2	70.6
1991	5.6	9.6	12.9	25.7	37.2	40.5	40.5	40.7	43.2
1992	6.5	9.8	12.0	16.9	25.7	29.8	34.4	34.4	45.8
1993	7.0	9.6	10.5	11.2	17.2	23.9	28.7	30.6	44.7
1994	8.3	11.3	14.6	23.8	30.0	43.2	51.3	51.5	80.7
1995	9.7	17.2	24.3	40.5	56.7	58.9	63.0	63.0	63.6
1996	13.5	15.4	16.8	18.7	18.7	19.1	40.2	40.4	46.3
1997	7.9	11.5	15.6	17.5	21.8	30.6	38.2	39.9	41.7
1998	7.3	12.7	13.9	15.7	16.4	26.8	31.4	36.2	57.4
1999	9.3	13.3	16.5	20.8	21.0	22.2	23.4	24.8	29.8
2000	7.6	11.2	13.1	20.4	26.4	31.0	51.8	89.0	94.6
2001	6.1	10.2	12.2	12.8	14.3	17.2	24.1	38.1	48.4
2002	6.9	9.1	10.8	14.4	17.2	17.4	29.6	31.7	43.2
2003	7.2	10.0	12.2	14.4	14.8	14.8	22.7	33.5	34.6
2004	13.3	15.7	18.6	20.4	22.1	33.2	35.8	37.3	53.7
2005	10.5	16.9	24.0	25.8	26.0	26.0	29.8	30.6	41.2
2006	10.6	18.3	23.6	26.6	35.7	51.3	53.1	53.3	66.9
2007	8.0	15.1	18.7	30.9	48.6	48.8	50.4	55.8	57.6
2008-2010	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
2011	7.8	13.2	16.2	24.2	34.4	39.0	47.6	53.0	59.2
2012	12.0	22.4	28.8	44.8	58.8	59.0	59.0	59.8	67.8
2013	10.8	18.2	24.8	31.6	49.2	61.0	64.0	64.0	64.8
2014	10.4	19.8	25.2	31.8	36.8	41.2	64.2	70.2	78.8
2015	11.4	17.4	18.8	35.6	39.4	47.6	64.4	77.6	77.6
2016	10.6	15.0	18.4	24.2	25.4	34.6	45.6	63.0	86.0
Min	5.6	7.9	9.9	11.2	12.9	14.4	22.5	24.8	29.8
Average	9.9	14.7	18.3	24.3	30.3	35.8	44.1	50.2	57.5
Max	20.1	26.2	39.4	46.5	58.8	64.3	96.8	100.3	100.3
Maximum in Bold					Minimum In <i>Italic</i>				



HURRICANE HAZEL 12 HOUR INTENSITY STORM

Hurricane Hazel for the last 12 hrs of the storm -INTENSITIES in mm/hr

Time (hr)	Intensity (mm/hr)
1	6
2	4
3	6
4	13
5	17
6	13
7	23
8	13
9	13
10	53
11	38
12	13
TOTAL	212

mm

Mass Hurricane Hazel				720	360	120	60	30	15	10	5	
Time	Percentage	Accum (mm)	Incremental (mm)	12-hr max	6-hr max	2-hr max	1-hr max	30-min max	15-min max	10-min max	5-min max	
0:00	0.00	0.00	0.00	212.00	59.00	10.00	6.00	3.00	0.00	0.00	0.00	
0:15	0.01	1.50	1.50	212.00	64.75	11.50	7.00	4.50	1.50	1.00	0.50	
0:30	0.01	3.00	1.50	210.50	69.00	11.50	6.50	4.50	1.50	1.00	0.50	
0:45	0.02	4.50	1.50	209.00	73.25	11.50	6.00	4.00	1.50	1.00	0.50	
1:00	0.03	6.00	1.50	207.50	77.50	11.50	5.50	3.50	1.50	1.00	0.50	
1:15	0.03	7.00	1.00	206.00	79.25	13.25	5.50	3.00	1.00	0.67	0.33	
1:30	0.04	8.00	1.00	205.00	81.50	15.50	6.00	3.00	1.00	0.67	0.33	
1:45	0.04	9.00	1.00	204.00	83.75	17.75	6.50	3.50	1.00	0.67	0.33	
2:00	0.05	10.00	1.00	203.00	86.00	20.00	7.00	4.00	1.00	0.67	0.33	
2:15	0.05	11.50	1.50	202.00	88.25	23.25	9.25	4.50	1.50	1.00	0.50	
2:30	0.06	13.00	1.50	200.50	90.00	26.00	11.00	4.50	1.50	1.00	0.50	
2:45	0.07	14.50	1.50	199.00	91.75	28.75	12.75	6.25	1.50	1.00	0.50	
3:00	0.08	16.00	1.50	197.50	93.50	31.50	14.50	8.00	1.50	1.00	0.50	
3:15	0.09	19.25	3.25	196.00	105.25	33.25	17.25	9.75	3.25	2.17	1.08	
3:30	0.11	22.50	3.25	192.75	115.25	33.25	18.25	9.75	3.25	2.17	1.08	
3:45	0.12	25.75	3.25	189.50	125.25	33.25	19.25	10.75	3.25	2.17	1.08	
4:00	0.14	29.00	3.25	186.25	135.25	33.25	20.25	11.75	3.25	2.17	1.08	
4:15	0.16	33.25	4.25	183.00	141.50	35.75	20.25	12.75	4.25	2.83	1.42	
4:30	0.18	37.50	4.25	178.75	146.75	37.25	19.25	12.75	4.25	2.83	1.42	
4:45	0.20	41.75	4.25	174.50	152.00	38.75	18.25	11.75	4.25	2.83	1.42	
5:00	0.22	46.00	4.25	170.25	157.25	40.25	17.25	10.75	4.25	2.83	1.42	
5:15	0.23	49.25	3.25	166.00	156.25	39.25	18.75	9.75	3.25	2.17	1.08	
5:30	0.25	52.50	3.25	162.75	156.25	39.25	21.25	9.75	3.25	2.17	1.08	
5:45	0.26	55.75	3.25	159.50	156.25	39.25	23.75	12.25	3.25	2.17	1.08	
6:00	0.28	59.00	3.25	156.25	156.25	39.25	26.25	14.75	3.25	2.17	1.08	
6:15	0.31	64.75	5.75	153.00	153.00	39.25	26.25	17.25	5.75	3.83	1.92	
6:30	0.33	70.50	5.75	147.25	147.25	36.75	23.75	17.25	5.75	3.83	1.92	
6:45	0.36	76.25	5.75	141.50	141.50	34.25	21.25	14.75	5.75	3.83	1.92	
7:00	0.39	82.00	5.75	135.75	135.75	31.75	18.75	12.25	5.75	3.83	1.92	
7:15	0.40	85.25	3.25	130.00	130.00	39.25	16.25	9.75	3.25	2.17	1.08	
7:30	0.42	88.50	3.25	126.75	126.75	49.25	16.25	9.75	3.25	2.17	1.08	
7:45	0.43	91.75	3.25	123.50	123.50	59.25	16.25	9.75	3.25	2.17	1.08	
8:00	0.45	95.00	3.25	120.25	120.25	69.25	16.25	9.75	3.25	2.17	1.08	
8:15	0.46	98.25	3.25	117.00	117.00	75.50	26.25	9.75	3.25	2.17	1.08	
8:30	0.48	101.50	3.25	113.75	113.75	81.75	36.25	9.75	3.25	2.17	1.08	
8:45	0.49	104.75	3.25	110.50	110.50	88.00	46.25	19.75	3.25	2.17	1.08	
9:00	0.51	108.00	3.25	107.25	107.25	94.25	56.25	29.75	3.25	2.17	1.08	
9:15	0.57	121.25	13.25	104.00	104.00	94.25	62.50	39.75	13.25	8.83	4.42	
9:30	0.63	134.50	13.25	90.75	90.75	84.25	58.75	39.75	13.25	8.83	4.42	
9:45	0.70	147.75	13.25	77.50	77.50	74.25	55.00	36.00	13.25	8.83	4.42	
10:00	0.76	161.00	13.25	64.25	64.25	64.25	51.25	32.25	13.25	8.83	4.42	
10:15	0.80	170.50	9.50	51.00	51.00	51.00	41.25	28.50	9.50	6.33	3.17	
10:30	0.85	180.00	9.50	41.50	41.50	41.50	35.00	28.50	9.50	6.33	3.17	
10:45	0.89	189.50	9.50	32.00	32.00	32.00	28.75	22.25	9.50	6.33	3.17	
11:00	0.94	199.00	9.50	22.50	22.50	22.50	22.50	16.00	9.50	6.33	3.17	
11:15	0.95	202.25	3.25	13.00	13.00	13.00	13.00	9.75	3.25	2.17	1.08	
11:30	0.97	205.50	3.25	9.75	9.75	9.75	9.75	9.75	3.25	2.17	1.08	
11:45	0.98	208.75	3.25	6.50	6.50	6.50	6.50	6.50	3.25	2.17	1.08	
12:00	1.00	212.00	3.25	3.25	3.25	3.25	3.25	3.25	3.25	2.17	1.08	
		MAX		212.00	157.25	94.25	62.50	39.75	13.25	8.83	4.42	mm
		MAX		17.67	26.21	47.12	62.50	79.50	53.00	35.33	17.67	mm/hr

References

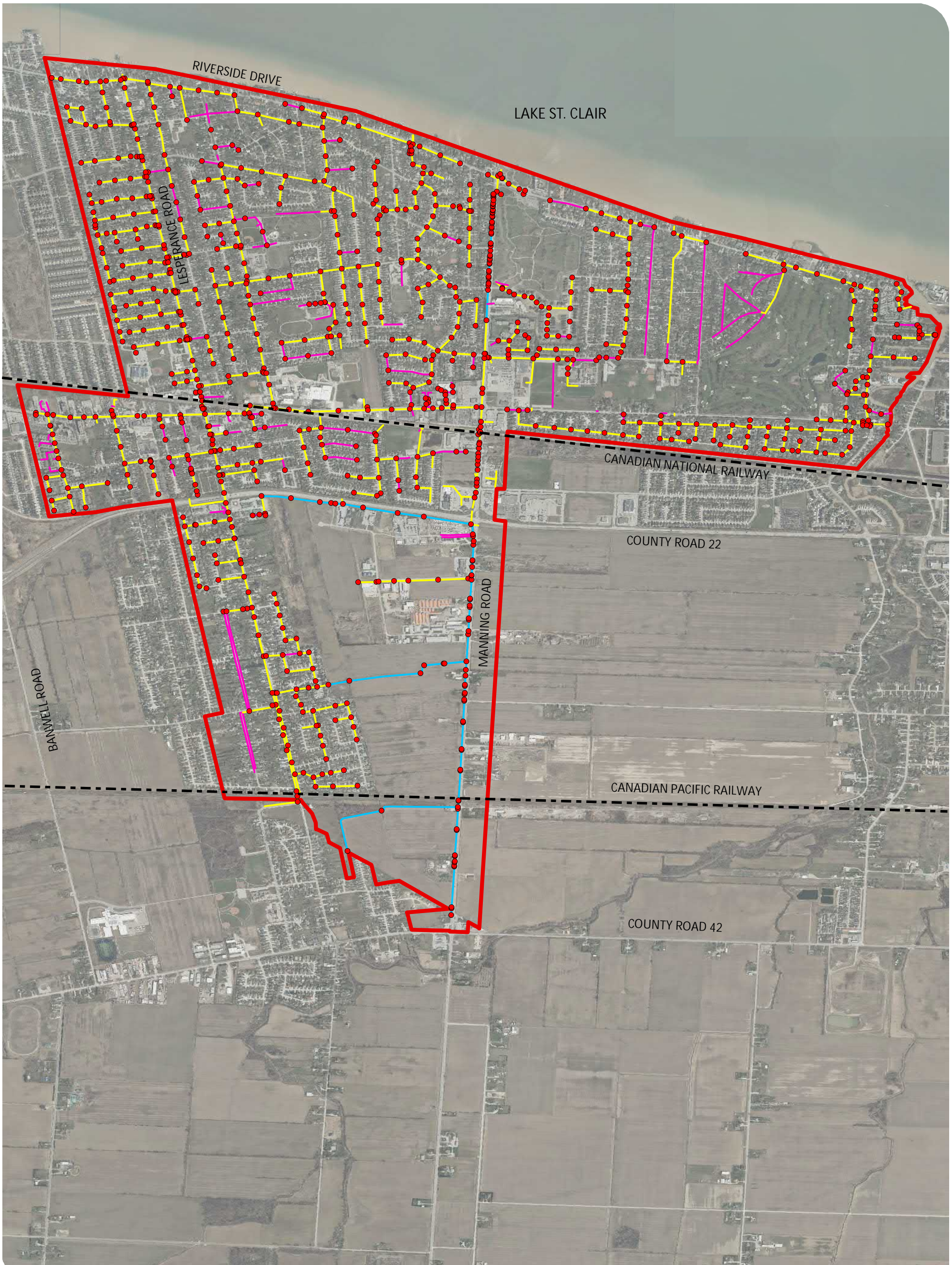
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Appendix B

Existing and Future Condition PCSWMM Model Input Files

Appendix B-1

Existing Condition PCSWMM Model Input Files



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

MODELLED STORM SEWER
NETWORK
FIGURE B-1



- MH'S IN MODEL
- STORM SEWERS IN MODEL WITH A DIAMETER \geq 450 mm
- STORM SEWERS IN MODEL WITH A DIAMETER $>$ 450 mm
- OPEN DITCHES IN MODEL
- RAILWAY
- STUDY AREA



MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:NTS


```

[OPTIONS]
;;Options          Value
;;-----
FLOW_UNITS         CMS
INFILTRATION       CURVE_NUMBER
FLOW_ROUTING       DYNWAVE
LINK_OFFSETS       DEPTH
MIN_SLOPE          0
ALLOW_PONDING      NO
SKIP_STEADY_STATE  NO
START_DATE         08/01/2017
START_TIME         00:00:00
REPORT_START_DATE  08/01/2017
REPORT_START_TIME  00:00:00
END_DATE           08/01/2017
END_TIME           16:00:00
SWEEP_START        01/01
SWEEP_END          12/31
DRY_DAYS           0
REPORT_STEP        00:05:00
WET_STEP           00:05:00
DRY_STEP           00:05:00
ROUTING_STEP       0.5
INERTIAL_DAMPING   FULL
NORMAL_FLOW_LIMITED BOTH
FORCE_MAIN_EQUATION H-W
VARIABLE_STEP      1.5
LENGTHENING_STEP  0
MIN_SURFAREA       0.10
MAX_TRIALS         50
HEAD_TOLERANCE     0.001
SYS_FLOW_TOL       5
LAT_FLOW_TOL       5
MINIMUM_STEP       0.5
THREADS            8

```

```

[EVAPORATION]
;;Type            Parameters
;;-----
CONSTANT          0.0
DRY_ONLY          NO

```

```

[RAINGAGES]
;;              Rain      Time      Snow      Data
;;Name          Type      Intrvl  Catch    Source
;;-----
Raingage_1     INTENSITY 0:10   1.0     TIMESERIES C-100_4HR

```

```

[SUBCATCHMENTS]
;;
;;Name          Raingage      Outlet      Total      Pcnt.      Width      Pcnt.      Curb      S
;;-----      -----      -----      Area      Imperv     -----      Slope     Length     P
;Beachgrove - Must add PS outletting to STM3542
BG_1           Raingage_1      BG_PS       32.1603   3.004     663.099   0.25     0
;to BGGC PS
BG_2           Raingage_1      BG_PS2      5.69684   1.61     167.554   0.25     0

```

;Confirm SWM Design and Outlet Location with Town							
E1	Raingage_1	J264	1.642569	90.111	91.764	0.25	0
E10	Raingage_1	MHB3	0.71331	41.332	68.588	0.25	0
E100	Raingage_1	CB2015_1949	0.591238	50.198	100.21	0.25	0
E101	Raingage_1	CB2016_1950	0.867077	46.165	139.851	0.25	0
E102_1	Raingage_1	J117	0.1441	53.259	34.31	0.25	0
E102_2	Raingage_1	J176	0.2694	53.259	64.143	0.25	0
E102_3	Raingage_1	J178	0.1429	53.259	34.024	0.25	0
E102_5	Raingage_1	J175	0.129	53.259	30.714	0.25	0
E102_6	Raingage_1	J102	0.194	53.259	25.867	0.25	0
E102_7	Raingage_1	J177	0.1099	53.259	26.167	0.25	0
E102_8	Raingage_1	CB2138	0.0468	53.259	15.6	0.25	0
E103_2	Raingage_1	CB2046_2047	0.5142	56.713	69.486	0.25	0
E103_3	Raingage_1	J192	0.1119	56.713	31.971	0.25	0
E103_4	Raingage_1	J193	0.08	56.713	22.857	0.25	0
E104	Raingage_1	J110	0.275469	63.558	49.191	0.25	0
E105	Raingage_1	J109	0.766867	43.382	90.22	0.25	0
;Beachgrove Golf Course							
E106	Raingage_1	J58	4.907478	2.115	147.372	0.25	0
E107	Raingage_1	J111	0.768575	58.664	83.541	0.25	0
E108	Raingage_1	CB2075_4327	0.191306	24.03	47.826	0.25	0
;In the golfcourse							
E109_1	Raingage_1	CB4311	0.5871	6.5	53.373	0.25	0
;In the golfcourse							
E109_2	Raingage_1	CB2078	0.4619	56.1	74.5	0.25	0
E11	Raingage_1	MHW1A	1.290776	40.621	90.9	0.25	0
;In the golfcourse							
E110_1	Raingage_1	CB4329	1.3116	6.5	119.236	0.25	0
;In the golfcourse							
E110_2	Raingage_1	CB2080	0.6835	27.6	110.242	0.25	0
E112_3	Raingage_1	J212	0.4583	20.916	26.492	0.25	0
E114	Raingage_1	CB1980_1925	1.169663	42.01	164.741	0.25	0
E118	Raingage_1	CB1985_1929	0.833758	47.036	100.453	0.25	0
E119	Raingage_1	CB4257	0.905574	49.623	119.154	0.25	0
E12	Raingage_1	MHC1	0.724532	40.156	61.401	0.25	0
E120	Raingage_1	CB4258	0.166882	47.895	19.182	0.25	0
E122	Raingage_1	CB1987_1988	0.446206	55.399	91.062	0.25	0
E123_1	Raingage_1	J221	1.9075	50.935	176.62	0.25	0
E123_2	Raingage_1	J222	1.2765	50.935	140.275	0.25	0
E124	Raingage_1	CB2397_2282	0.600351	52.502	73.214	0.25	0
E126_1	Raingage_1	CB2395_2280	0.2327	45.256	22.375	0.25	0
E127_1	Raingage_1	J223	1.2759	49.83	138.685	0.25	0
E127_2	Raingage_1	CB2401_2287	1.0439	49.83	78.489	0.25	0
E129_1	Raingage_1	J224	1.4256	52.621	219.323	0.25	0
E129_2	Raingage_1	J225	0.6956	52.621	198.743	0.25	0
E13	Raingage_1	J2243	0.536593	23.829	58.966	0.25	0
E130	Raingage_1	CB2288_2402	0.996	53.573	148.657	0.25	0
E131_1	Raingage_1	J229	0.8896	51.763	104.659	0.25	0
E131_2	Raingage_1	J228	0.8252	51.763	42.102	0.25	0
E131_3	Raingage_1	J231	0.9451	51.763	103.857	0.25	0
E131_5	Raingage_1	J230	0.6487	51.763	71.286	0.25	0
E132	Raingage_1	CB2306_2423	0.244969	46.127	45.365	0.25	0
;Check LiDAR to confirm							
E139_1	Raingage_1	J211	0.3546	38.83	33.771	0.25	0
;Check LiDAR to confirm							
E139_2	Raingage_1	J213	1.017	20.06	84.75	0.25	0
;Check LiDAR to confirm							
E139_5	Raingage_1	J214	0.1446	38.83	20.957	0.25	0
E14	Raingage_1	MHC3	0.646381	37.624	82.869	0.25	0
E141_2	Raingage_1	CB2007_2008	0.7798	54	87.618	0.25	0
E141_3	Raingage_1	J716	1.5093	7.3	88.782	0.25	0
E141_4	Raingage_1	J124	1.026	19	108	0.25	0
E141_6	Raingage_1	J126	0.3573	30.42	23.82	0.25	0
E141_7	Raingage_1	J124	0.1494	19	15.726	0.25	0

E141_8	Raingage_1	J125	0.144	28	15.158	0.25	0
E146	Raingage_1	CB1987_1988	0.461095	53.438	78.152	0.25	0
E147	Raingage_1	CB1989_1990	0.850129	47.797	90.439	0.25	0
E148	Raingage_1	CB1991_1992	1.65597	51.871	115.802	0.25	0
E149_1	Raingage_1	CB1997_1992	0.6521	50.815	75.826	0.25	0
E149_2	Raingage_1	CB2001_1936	0.2828	50.815	56.56	0.25	0
E15	Raingage_1	MHC3	0.077923	41.602	18.553	0.25	0
E150_1	Raingage_1	J105	0.7969	57.414	75.179	0.25	0
E150_2	Raingage_1	J200	0.69	57.414	123.214	0.25	0
E150_4	Raingage_1	J106	1.3248	57.414	88.913	0.25	0
E150_5	Raingage_1	J198	0.4896	57.414	55.011	0.25	0
E151	Raingage_1	J202	0.649817	59.537	98.457	0.25	0
E152	Raingage_1	J317	1.421469	52.832	80.309	0.25	0
E154	Raingage_1	J227	2.626921	46.509	97.293	0.25	0
E157	Raingage_1	CB2493_2453	0.308985	69.352	26.637	0.25	0
E158	Raingage_1	CB2452	0.1928	60.481	20.295	0.25	0
;Assumed outlet							
E159_1	Raingage_1	J129	3.1965	5.84	141.438	0.25	0
E16	Raingage_1	MHE1B	0.939705	40.535	68.592	0.25	0
E160	Raingage_1	CB2491_2451	0.4089	51.619	49.865	0.25	0
;Where is this pipe going? Check direction							
E161	Raingage_1	CB2180	0.370344	42.445	68.582	0.25	0
;Where is this pipe going? Check direction							
E162	Raingage_1	CB2180	0.482582	60.718	96.516	0.25	0
;Where is this pipe going? Check direction							
E163	Raingage_1	J112	0.381079	57.904	82.843	0.25	0
;Where is this pipe going? Check direction							
E164	Raingage_1	CB2089_2179	0.157913	52.241	83.112	0.25	0
E165_1	Raingage_1	J128	0.6975	26.3	60.129	0.25	0
E165_2	Raingage_1	J127	0.494414	54.1	30.332	0.25	0
E165_4	Raingage_1	J216	0.1654	71.84	42.41	0.25	0
E165_5	Raingage_1	CB2029_1958	0.1009	61	28.829	0.25	0
E165_6	Raingage_1	CB2030_1959	0.1537	52.98	30.832	0.25	0
E165_7	Raingage_1	J715	0.4959	31.996	25.963	0.25	0
E167	Raingage_1	J114	0.23608	79.332	38.702	0.25	0
;This is going to a larger pipe?							
E168	Raingage_1	J113	1.269486	83.813	107.584	0.25	0
;OUTLET TO DRAIN							
E169	Raingage_1	STM3592	0.221988	39.501	85.38	0.25	0
E17	Raingage_1	MHK1	1.524569	16.518	143.827	0.25	0
E170_1	Raingage_1	CB4460	0.2776	79.894	7.192	0.25	0
E170_10	Raingage_1	CB4459_4458	0.1741	79.894	4.51	0.25	0
E170_2	Raingage_1	CB4514	0.4751	79.894	12.308	0.25	0
E170_4	Raingage_1	CB4515	0.1608	79.894	4.166	0.25	0
E170_5	Raingage_1	CB4457_4456	0.1428	79.894	3.699	0.25	0
E170_6	Raingage_1	CB4456_4454	0.0811	79.894	2.101	0.25	0
E170_7	Raingage_1	CB4453_4452	0.0712	79.894	1.845	0.25	0
E170_8	Raingage_1	CB940_939	0.0349	79.894	0.904	0.25	0
E170_9	Raingage_1	CB4451_4548	0.0677	79.894	1.754	0.25	0
E171_1	Raingage_1	CB4519_930	0.1329	23.356	23.316	0.25	0
E171_2	Raingage_1	STM3605	2.0571	23.356	360.895	0.25	0
E171_3	Raingage_1	CB4547_4546	0.0769	23.356	13.491	0.25	0
E171_4	Raingage_1	CB4275_938	0.1226	23.356	21.509	0.25	0
E171_6	Raingage_1	CB4518	0.1353	23.356	23.737	0.25	0
E172_2	Raingage_1	CB951_935	0.0902	99.179	10.612	0.25	0
E172_3	Raingage_1	CB1275_4323	0.1725	99.179	20.294	0.25	0
E172_4	Raingage_1	CB4324_4325	0.1216	99.179	14.306	0.25	0
E173_2	Raingage_1	CB952	0.1737	91.881	32.167	0.25	0
E173_3	Raingage_1	CB4338	0.2061	91.881	38.167	0.25	0
E173_4	Raingage_1	CB1766	0.1445	91.881	26.759	0.25	0
E174	Raingage_1	STM3620	0.83882	61.559	47.66	0.25	0
;In the golfcourse							
E175_1	Raingage_1	CB4334	1.1587	6.5	105.336	0.25	0
;In the golfcourse							

E175_2	Raingage_1	CB2171	0.6676	52.3	107.677	0.25	0
;In the golfcourse							
E176_1	Raingage_1	CB4309	0.6198	6.5	56.345	0.25	0
;In the golfcourse							
E176_3	Raingage_1	J80	0.8997	6.5	81.791	0.25	0
;In the golfcourse							
E176_4	Raingage_1	J82	0.431	39.6	69.516	0.25	0
;In the golfcourse							
E176_5	Raingage_1	CB2170	0.3549	56.6	57.242	0.25	0
;In the golfcourse							
E177_1	Raingage_1	CB2081	0.8523	6.5	77.482	0.25	0
;In the golfcourse							
E177_2	Raingage_1	STM3661	0.5184	24.6	83.613	0.25	0
E18	Raingage_1	MHK2	1.746314	13.769	134.332	0.25	0
;Determine what flow is going where?							
E181_2	Raingage_1	J232	1.0969	43.05	61.972	0.25	0
E182	Raingage_1	CB2298	0.442913	43.653	110.728	0.25	0
E183	Raingage_1	J251	0.7494	53.574	59.952	0.25	0
E183_3	Raingage_1	J249	1.5704	53.574	65.433	0.25	0
E183_4	Raingage_1	J250	2.5984	53.574	108.267	0.25	0
E183_5	Raingage_1	J248	1.5722	53.574	65.508	0.25	0
E183_7	Raingage_1	J254	0.1045	53.574	24.881	0.25	0
;OBTAIN STM SERVICING FROM TOWN							
E183_8	Raingage_1	OF3	0.9644	53.574	40.183	0.25	0
E184	Raingage_1	CB2478_2431	1.845764	54.291	163.342	0.25	0
E186	Raingage_1	CB4257	0.719616	57.727	73.43	0.25	0
E189	Raingage_1	CB1979	1.12358	46.781	113.493	0.25	0
E19	Raingage_1	MHK3	0.823077	22.334	108.3	0.25	0
E191	Raingage_1	CB1924_1978	0.924727	45.045	142.266	0.25	0
E193_1	Raingage_1	CB32	0.5442	60.251	106.706	0.25	0
E195	Raingage_1	J49	0.7175	45.145	103.986	0.25	0
E197	Raingage_1	J238	0.8756	89.067	83.39	0.25	0
E199	Raingage_1	STM4058	2.483859	53.033	108.941	0.25	0
;Lakewood Park							
E2_1	Raingage_1	PondOutfall	4.0737	4.2	125.731	0.25	0
;Lakewood Park							
E2_2	Raingage_1	Jun-47	6.8431	1.98	176.824	0.25	0
;Lakewood Park							
E2_4	Raingage_1	Jun-54.1	7.7332	1.98	182.387	0.25	0
;Lakewood Park							
E2_5	Raingage_1	JL2	3.9339	1.98	128.98	0.25	0
E20	Raingage_1	MHK4	1.250295	23.754	101.65	0.25	0
E200_1	Raingage_1	CB38	0.3285	54.394	46.929	0.25	0
E201	Raingage_1	J123	0.647508	35.121	122.171	0.25	0
E202	Raingage_1	CB2396_2281	0.645507	46.972	90.916	0.25	0
;To be reviewed by Ryan (connected to U/S)							
E203	Raingage_1	CB2038_2125	0.741529	56.225	66.804	0.25	0
;Ditch							
E204	Raingage_1	J75	0.524453	57.135	87.409	0.25	0
E205	Raingage_1	STM4300	1.297448	53.323	114.818	0.25	0
E206	Raingage_1	CB1970	0.334769	38.941	44.636	0.25	0
E21	Raingage_1	MHK5	1.240454	24.415	110.755	0.25	0
E211	Raingage_1	CBMH11_Z	6.1862	89.436	209.702	0.25	0
;Outlet via culvet crossing to ETLD							
E212_1	Raingage_1	200Manning_STM	1.809	55.76	161.518	0.25	0
;Outlet via culvet crossing to ETLD							
E212_2	Raingage_1	J263	1.0067	29.8	57.526	0.25	0
;Controlled via 300mm orifice to St. Gregory System							
E213	Raingage_1	Z_CB19	1.24424	69.557	62.525	0.25	0
E214	Raingage_1	J120	0.384253	49.555	80.053	0.25	0
E215	Raingage_1	J77	1.715069	35.787	96.352	0.25	0
E216	Raingage_1	CB2039_2040	0.592679	48.116	75.984	0.25	0
;review delineation							
E217_1	Raingage_1	CB2088_2178	0.4631	45.721	71.246	0.25	0

E217_2	Raingage_1	CB5413	0.0701	68.6	11.306	0.25	0
;review delineation							
E217_4	Raingage_1	J90	0.7493	45.721	108.594	0.25	0
;review delineation							
E217_6	Raingage_1	J94	0.1947	45.721	47.488	0.25	0
;review delineation							
E217_7	Raingage_1	J91	1.0462	45.721	151.623	0.25	0
E218	Raingage_1	CB2036_5355	0.767926	42.921	121.893	0.25	0
E219	Raingage_1	STM7181	0.058023	63.703	16.118	0.25	0
E22	Raingage_1	MHK6	0.3401	21.169	45.959	0.25	0
E220	Raingage_1	CB5357_5356	0.535449	43.538	111.552	0.25	0
E221	Raingage_1	J261	0.412115	12.062	46.305	0.25	0
E222	Raingage_1	j262	0.815201	33.489	131.484	0.25	0
E223	Raingage_1	J89	0.201051	70.07	33.508	0.25	0
E224	Raingage_1	J260	1.5832	53.139	112.284	0.25	0
;Check with Town for any SWM Controls							
E225	Raingage_1	J256	0.438501	24.314	39.152	0.25	0
;Check with Town for any SWM Controls							
E226	Raingage_1	J259	0.918354	29.952	70.643	0.25	0
;Check with Town for any SWM Controls							
E227	Raingage_1	J258	0.934081	34.73	71.852	0.25	0
E228_1	Raingage_1	J253	0.6305	80.406	33.717	0.25	0
E228_2	Raingage_1	J252	0.4071	80.406	21.77	0.25	0
E23	Raingage_1	MHR1B	0.718262	31.006	130.593	0.25	0
;Lakewood Subdivision							
E235	Raingage_1	MH7-S	0.363524	55	95.664	0.25	0
;Lakewood Subdivision							
E236	Raingage_1	MH8-S	0.264489	45	67.818	0.25	0
;Lakewood Subdivision							
E237	Raingage_1	MH10-S	0.347928	45	91.56	0.25	0
;Lakewood Subdivision							
E238	Raingage_1	MH11-S	0.574599	45	112.666	0.25	0
E24	Raingage_1	MHR2	0.228151	49.451	34.568	0.25	0
;Lakewood Subdivision							
E240	Raingage_1	MH15-S	0.978901	45	125.5	0.25	0
;Lakewood Subdivision							
E242	Raingage_1	MH17-S	0.8789	45	183.104	0.25	0
;Lakewood Subdivision							
E243	Raingage_1	MH16-S2	0.4367	45	71.59	0.25	0
;Lakewood Subdivision							
E244	Raingage_1	MH9-S	0.643193	45	88.109	0.25	0
;Lakewood Subdivision							
E245	Raingage_1	MH18-S	0.991647	55	206.593	0.25	0
;Lakewood Subdivision							
E246	Raingage_1	MH19-S	1.202763	55	117.918	0.25	0
E249	Raingage_1	J205	0.250871	59.876	48.244	0.25	0
E25	Raingage_1	MHR1B	1.687359	34.607	126.869	0.25	0
E250	Raingage_1	J204	0.211527	56.387	57.169	0.25	0
E251_1	Raingage_1	J208	0.4538	55.33	87.269	0.25	0
E251_2	Raingage_1	J203	0.3991	55.33	62.359	0.25	0
E252	Raingage_1	J204	0.296168	60.614	47.769	0.25	0
;OUTLET TO DRAIN							
E253	Raingage_1	STM968	0.222925	42.731	82.565	0.25	0
;OUTLET TO DRAIN							
E254	Raingage_1	STM970	0.443817	31.936	79.253	0.25	0
;OUTLET TO DRAIN							
E255	Raingage_1	STM972	0.316589	44.675	79.147	0.25	0
;OUTLET TO DRAIN							
E256	Raingage_1	STM974	0.31011	42.9	75.637	0.25	0
;OUTLET TO DRAIN							
E257	Raingage_1	STM975	0.5091	43.256	25.202	0.25	0
;OUTLET TO DRAIN							
E258	Raingage_1	STM976	0.227972	44.384	48.505	0.25	0
E259_1	Raingage_1	CB946_4340	0.2437	81.846	23.892	0.25	0

E259_2	Raingage_1	CB947_4339	0.2158	81.846	21.157	0.25	0
E26	Raingage_1	MHW1	1.001011	35.947	84.831	0.25	0
E260_1	Raingage_1	CB934_942	0.072	65.538	8.675	0.25	0
E260_2	Raingage_1	CB1896	0.1359	65.538	16.373	0.25	0
E260_4	Raingage_1	CB945_928	0.0645	65.538	7.771	0.25	0
E260_5	Raingage_1	CB943_944	0.3055	65.538	36.807	0.25	0
E27	Raingage_1	MHW2	0.388586	48.994	66.998	0.25	0
;Confirm SWM Design and Outlet Location with Town							
E3_1	Raingage_1	CBMH5	1.0575	72.384	68.669	0.25	0
;Confirm SWM Design and Outlet Location with Town							
E3_2	Raingage_1	J14	0.8075	72.384	52.435	0.25	0
E31	Raingage_1	J2135	1.297915	42.52	89.511	0.25	0
E32	Raingage_1	J2137	1.604148	40.648	110.631	0.25	0
E33	Raingage_1	J2145	1.21915	40.422	101.596	0.25	0
E34	Raingage_1	J2147	1.414501	51.131	117.875	0.25	0
E35	Raingage_1	J2175	1.142917	41.96	95.243	0.25	0
E36	Raingage_1	J2215	1.215955	40.096	101.33	0.25	0
E37	Raingage_1	MHA8	2.272872	35.977	106.708	0.25	0
E38	Raingage_1	MHE1A	0.576041	34.768	42.047	0.25	0
;Connect to Surface							
E39	Raingage_1	MHEW1	1.753471	36.492	146.123	0.25	0
;Confirm SWM Design and Outlet Location with Town							
E4	Raingage_1	STM3603	1.514444	72.498	87.54	0.25	0
;Connect to Surface							
E40	Raingage_1	MHEW2	1.857021	38.757	152.215	0.25	0
;Connect to Surface							
E41	Raingage_1	MHEW3	1.52125	29.199	122.681	0.25	0
;Connect to Surface							
E42	Raingage_1	MHEW4	1.757785	40.083	145.271	0.25	0
;Connect to Surface							
E43	Raingage_1	MHEW5	1.754731	39.782	145.019	0.25	0
;Connect to Surface							
E44	Raingage_1	MHEW6	1.685114	39.305	139.266	0.25	0
;Connect to Surface							
E45	Raingage_1	MHEW7	1.334475	41.562	109.383	0.25	0
;Determine what flow is going where?							
E47_1	Raingage_1	CB_ST,G2	0.7377	5	28.816	0.25	0
;Assumed outlet							
E47_3	Raingage_1	CB_ST,G1	3.0473	39.832	54.906	0.25	0
E48	Raingage_1	MHC1	0.219081	52.051	48.685	0.25	0
E49	Raingage_1	MHR2A	0.10308	21.478	15.618	0.25	0
;Confirm SWM Design and Outlet Location with Town							
E5	Raingage_1	of1	0.80806	13.49	224.461	0.25	0
E50_1	Raingage_1	MHRV2	0.5132	80	53.458	0.25	0
E50_2	Raingage_1	J119	0.7714	70.492	137.75	0.25	0
E52	Raingage_1	J121	1.184444	36.518	110.696	0.25	0
E53_1	Raingage_1	J122	0.7491	44.911	60.411	0.25	0
E53_2	Raingage_1	J405	0.234	44.911	36	0.25	0
;Connect to Surface							
E54	Raingage_1	MHSM1	0.900532	40.945	76.316	0.25	0
;Connect to Surface							
E55	Raingage_1	MHSM2	2.251438	38.474	195.777	0.25	0
;Connect to Surface							
E56	Raingage_1	MHSM3	1.923872	39.65	226.338	0.25	0
;Connect to Surface							
E57	Raingage_1	MHSM5	0.954211	41.663	79.518	0.25	0
;Connect to Surface							
E58	Raingage_1	MHSM6	1.655011	40.107	165.501	0.25	0
;Connect to Surface							
E59	Raingage_1	MHSM7	1.480079	54.407	127.593	0.25	0
E60	Raingage_1	CB2043_2128	0.624813	65.293	41.106	0.25	0
E61	Raingage_1	J100	0.27158	78.874	40.534	0.25	0
E62	Raingage_1	CB2130_2045	0.447852	45.001	53.958	0.25	0
E63	Raingage_1	J108	0.844425	53.67	127.943	0.25	0

E64	Raingage_1	J107	0.2225	56.4	31.338	0.25	0
E64_1	Raingage_1	J708	0.3951	36.55	46.482	0.25	0
E64_2	Raingage_1	J103	0.196	22.86	35	0.25	0
E64_3	Raingage_1	J104	0.1928	23.29	42.844	0.25	0
E64_4	Raingage_1	J196	0.1723	56.4	38.289	0.25	0
E64_5	Raingage_1	J707	0.4888	41.94	57.506	0.25	0
E64_7	Raingage_1	J195	0.266	56.4	42.903	0.25	0
E64_8	Raingage_1	J709	0.1166	31.22	25.911	0.25	0
E65	Raingage_1	CB5419_5418	0.900068	49.882	78.953	0.25	0
E66_1	Raingage_1	CB5421_5420	0.7462	56.008	77.729	0.25	0
E66_2	Raingage_1	CB2137	0.4293	56.008	76.661	0.25	0
E67	Raingage_1	CB2122_5358	2.551764	44.519	80.497	0.25	0
E68	Raingage_1	J95	0.096981	27.921	22.041	0.25	0
;OUTLET TO DRAIN							
E69	Raingage_1	STM2390	0.192577	43.531	91.703	0.25	0
;Manning Rd Drain connect to STM3619 via							
E7	Raingage_1	M_CULV	38.346046	11.721	852.134	0.25	0
;OUTLET TO DRAIN							
E70	Raingage_1	STM2392	0.251344	56.921	89.766	0.25	0
;OUTLET TO DRAIN							
E71	Raingage_1	STM2394	0.147019	48.776	91.887	0.25	0
;OUTLET TO DRAIN							
E72	Raingage_1	STM2396	0.232641	29.497	89.477	0.25	0
;OUTLET TO DRAIN							
E73	Raingage_1	STM2398	0.172171	46.573	95.651	0.25	0
;OUTLET TO DRAIN							
E74	Raingage_1	STM2400	0.218022	25.51	87.209	0.25	0
;OUTLET TO DRAIN							
E75	Raingage_1	STM2402	0.386221	31.256	87.778	0.25	0
;OUTLET TO DRAIN							
E76	Raingage_1	STM2404	0.35706	49.239	99.183	0.25	0
;OUTLET TO DRAIN							
E77	Raingage_1	STM2406	0.327343	37.483	88.471	0.25	0
;OUTLET TO DRAIN							
E78	Raingage_1	STM2408	0.596104	21.083	87.662	0.25	0
;OUTLET TO DRAIN							
E79	Raingage_1	STM2409	0.255131	40.165	102.052	0.25	0
E8	Raingage_1	MHB1	0.485292	41.728	69.327	0.25	0
;OUTLET TO DRAIN							
E80	Raingage_1	STM2410	0.142038	12.028	24.074	0.25	0
;OUTLET TO DRAIN							
E81	Raingage_1	STM2412	0.324521	34.534	85.4	0.25	0
E82	Raingage_1	CB1974	0.230843	48.427	104.929	0.25	0
E83	Raingage_1	CB2035_1973	0.199331	53.606	66.444	0.25	0
E84	Raingage_1	CB1975_1921	1.029207	43.924	130.279	0.25	0
E85	Raingage_1	CB1975_1921	0.698971	45.853	104.324	0.25	0
E86	Raingage_1	CB1976_1922	1.536773	41.873	160.081	0.25	0
E87	Raingage_1	CB1977_1923	0.722723	34.374	73.002	0.25	0
E88	Raingage_1	CB1982_1927	0.539196	57.341	81.696	0.25	0
E89	Raingage_1	CB1977_1923	0.552501	44.18	63.506	0.25	0
E9	Raingage_1	MHB2	1.064607	40.231	86.553	0.25	0
E93	Raingage_1	STM2772	0.058763	50.571	13.666	0.25	0
E94	Raingage_1	J115	0.408368	71.208	52.355	0.25	0
E95	Raingage_1	STM2772	0.318939	26.135	49.068	0.25	0
;Lakewood Subdivision							
E950	Raingage_1	MH14-S	0.6085	45	85.704	0.25	0
M_1	Raingage_1	J209	0.1305	4.5	22.5	0.25	0
S1	Raingage_1	CB17_69	1.0339	54.39	78.326	0.25	0
S10	Raingage_1	CB1935	1.2257	43.178	158.396	0.25	0
S10_2	Raingage_1	CB1996_1931	0.5894	30.837	68.477	0.25	0
S10_4	Raingage_1	CB1995_1930	0.5282	30.837	61.367	0.25	0
S10_5	Raingage_1	CB1998_1933	1.2411	30.837	144.192	0.25	0
S10_6	Raingage_1	CB1999_1934	0.7772	30.837	90.295	0.25	0
;Sewer split, could be delineated to Manning PS							

S100	Raingage_1	CB1384	0.7024	46.967	94.314	0.25	0
S101	Raingage_1	CB803_873	2.2722	55.055	151.48	0.25	0
S102	Raingage_1	CB4376	0.977	57.615	90.877	0.25	0
S102_1	Raingage_1	J642	0.0661	93.806	12.472	0.25	0
S102_2	Raingage_1	J371	0.6541	93.806	87.818	0.25	0
S103	Raingage_1	J705	0.3434	43.759	42.568	0.357	0
;Assumed outlet							
S103_1	Raingage_1	CB_L2	0.1453	15	29.653	0.25	0
;Assumed outlet							
S103_2	Raingage_1	J688	1.6837	65	224.493	0.25	0
;Assumed outlet							
S103_3	Raingage_1	J687	0.4501	51.18	67.179	0.25	0
;Assumed outlet							
S103_4	Raingage_1	CB_L1	0.9017	75	80.509	0.25	0
;Assumed outlet							
S103_6	Raingage_1	J693	0.7976	24.95	47.76	0.25	0
;Assumed outlet							
S104	Raingage_1	J689	2.6416	5	171.532	0.25	0
;connect to 600mm pipe along town centre							
S105	Raingage_1	CYR_IN	8.6275	2.75	160.065	0.484	0
S106	Raingage_1	J706	0.3069	57.113	56.652	0.25	0
S107	Raingage_1	J98	0.1326	56.4	34.895	0.25	0
S108	Raingage_1	J718	1.7064	28.501	77.564	0.25	0
;Lakewood Subdivision							
S109	Raingage_1	MH4-S	0.4879	45	104.965	0.25	0
S11	Raingage_1	CB2003_1938	1.2545	48.818	142.557	0.25	0
S11_2	Raingage_1	CB2002_1937	0.8621	51.017	95.42	0.25	0
;Lakewood Subdivision							
S110	Raingage_1	MH2-S	0.313566	45	62.185	0.25	0
;Lakewood Subdivision							
S111	Raingage_1	MH6-S	0.79703	45	198.845	0.25	0
;Lakewood Subdivision							
S112	Raingage_1	MH12-S	0.9603	45	147.738	0.25	0
;Lakewood Subdivision							
S113	Raingage_1	MH17_S2	0.2831	55	94.367	0.25	0
S114	Raingage_1	MH16-S	0.3995	45	88.778	0.25	0
S115	Raingage_1	MHA2	2.6714	34.013	130.312	0.25	0
S12	Raingage_1	CB1941_1940	1.4707	54.024	147.439	0.25	0
S13	Raingage_1	CB4259_1943	0.9793	62	141.928	0.25	0
S14	Raingage_1	CB2011_1945	0.832	62	120.58	0.25	0
S14_1	Raingage_1	CB1939_2004	0.7956	45.209	103.706	0.25	0
S14_2	Raingage_1	CB2005_2006	0.3548	45.209	46.248	0.25	0
S15	Raingage_1	CB2013_1947	0.7676	62	111.246	0.25	0
S16	Raingage_1	CB2014_1948	0.7836	62	113.565	0.25	0
S17	Raingage_1	CB2009_1942	0.5877	62	115.235	0.25	0
S18	Raingage_1	CB2010_1944	0.6928	62	153.956	0.25	0
S19	Raingage_1	CB3134_2866	0.135	51.3	8.211	0.25	0
;Connect to Surface							
S2	Raingage_1	MHSM5	2.0454	25.68	170.45	0.25	0
S20	Raingage_1	CB3128_2860	0.3733	50.264	38.788	0.25	0
S21	Raingage_1	CB2430_2311	1.5114	48.729	195.519	0.25	0
S21_1	Raingage_1	CB2018_1952	0.9068	48.58	143.937	0.25	0
S21_2	Raingage_1	CB2017_1951	0.7541	48.58	81.086	0.25	0
S21_4	Raingage_1	J118	2.1166	52.335	209.564	0.25	0
S21_5	Raingage_1	J116	1.0851	52.335	241.133	0.25	0
S21_6	Raingage_1	J220	0.9825	52.335	239.634	0.25	0
S22	Raingage_1	CB2292	0.8556	56.053	102.986	0.25	0
S23	Raingage_1	CB2409_2295	1.86	47.495	187.879	0.25	0
S24	Raingage_1	CB2411_2297	1.8604	50.274	210.056	0.25	0
S25	Raingage_1	CB2475_2474	0.7113	59.281	92.784	0.25	0
S26	Raingage_1	CB36	0.3021	58.826	86.314	0.25	0
S26_1	Raingage_1	CB34	0.7191	59.127	117.885	0.25	0
S26_4	Raingage_1	CB35	0.5608	59.127	112.16	0.25	0
S26_5	Raingage_1	CB2505	0.3602	59.127	83.767	0.25	0

S27	Raingage_1	CB39	0.1403	81.307	27.51	0.25	0
S28	Raingage_1	J245	0.3449	0.642	107.781	0.25	0
S28_1	Raingage_1	J242	0.6477	0.724	101.203	0.25	0
S28_2	Raingage_1	J244	0.7239	0.724	96.52	0.25	0
S28_3	Raingage_1	J243	0.9501	0.724	100.011	0.25	0
S29	Raingage_1	CB1609_1610	0.2733	56.306	42.614	0.25	0
S3	Raingage_1	J76	0.2843	16.74	20.307	0.25	0
S30	Raingage_1	CB2012_1946	1.183	26.656	115.98	0.25	0
S31	Raingage_1	CB3129_2861	1.263	48.545	198.211	0.25	0
S32	Raingage_1	CB3131_3130	0.5783	44.606	87.696	0.25	0
S33	Raingage_1	CB3145_2874	1.2026	52.222	193.176	0.25	0
;Two pipes running parallel							
S34	Raingage_1	CB2826_3087	1.4219	48.143	209.103	0.25	0
S35	Raingage_1	CB2800_2740	1.69	50.616	156.481	0.25	0
S35_1	Raingage_1	CB2770_2716	1.0889	53.736	175.629	0.25	0
S35_2	Raingage_1	CB2718_2772	0.8373	53.736	93.033	0.25	0
S35_3	Raingage_1	CB2717_2771	0.4221	53.736	93.8	0.25	0
S35_4	Raingage_1	CB2719_2773	0.6047	53.736	134.378	0.25	0
S36	Raingage_1	CB2799	0.1203	55.536	31.92	0.25	0
S37	Raingage_1	CB1737_1038	0.2426	75.929	21.856	0.25	0
S37_1	Raingage_1	J314	0.5722	43.69	33.858	0.25	0
S37_10	Raingage_1	J570	0.1814	49.217	60.467	0.25	0
S37_11	Raingage_1	CB3	0.584	49.217	73	0.25	0
S37_2	Raingage_1	J571	1.1242	49.217	107.067	0.25	0
S37_3	Raingage_1	J291	0.3062	45.26	35.605	0.25	0
S37_5	Raingage_1	CB1786_1052	0.5438	58.523	25.051	0.25	0
S37_6	Raingage_1	CB1049_1048	0.2053	58.523	24.153	0.25	0
S37_7	Raingage_1	J306	0.6017	58.523	100.283	0.25	0
S37_8	Raingage_1	J308	0.3155	58.523	60.673	0.25	0
S37_9	Raingage_1	J309	0.2657	58.523	45.81	0.25	0
;School Site							
S38	Raingage_1	SU8	0.9408	95	51.41	0.25	0
S38_1	Raingage_1	CB2742_2805	0.1836	75.221	31.655	0.25	0
S38_2	Raingage_1	CB2750	0.2999	75.221	42.843	0.25	0
;Is this area delineated correctly?							
S38_3	Raingage_1	J290	0.7945	49.04	47.012	0.25	0
;Is this area delineated correctly?							
S38_4	Raingage_1	J292	0.691	59.61	24.946	0.25	0
;School Site							
S39	Raingage_1	SU11	0.8221	95	44.923	0.25	0
S4	Raingage_1	CB33	0.689	56.313	94.819	0.25	0
;Assumed outlet							
S4_1	Raingage_1	MHSM1	0.5869	64.95	68.244	0.25	0
;Assumed outlet							
S4_3	Raingage_1	J235	0.7229	64.95	84.058	0.25	0
;Assumed outlet							
S4_4	Raingage_1	GAOP	6.026	2	119.134	0.25	0
;Assumed outlet							
S4_5	Raingage_1	J694	0.6808	64	59.719	0.25	0
S40	Raingage_1	CB1107	0.2179	94.48	32.522	0.25	0
S41	Raingage_1	CB1087	0.2278	95	33.456	0.25	0
S42	Raingage_1	PERV	1.4718	10	87.089	0.25	0
;Funeral Home. Confirm outlet							
S43	Raingage_1	J372	0.4657	95	44.779	0.25	0
S44	Raingage_1	CB976	0.6803	37.678	120.216	0.25	0
S45	Raingage_1	CB1630_1521	1.3706	52.509	131.788	0.25	0
;railway check topo for drainage route							
S46	Raingage_1	STM3609	1.5935	6.086	163.182	0.25	0
S46_1	Raingage_1	CB1189_1276	0.1758	87	48.833	0.25	0
S46_2	Raingage_1	CB1194_1195	0.2562	87	46.582	0.25	0
S46_3	Raingage_1	CB1190_1277	0.1925	89	53.472	0.25	0
S46_4	Raingage_1	CB1202_1201	0.3008	87	36.683	0.25	0
S46_5	Raingage_1	CB1279_1280	0.1792	87	39.822	0.25	0
S46_6	Raingage_1	CB1203_1204	0.1688	87	37.511	0.25	0

S46_8	Raingage_1	CB1206_1205	0.1362	95	34.05	0.25	0
;Look back at this							
S47	Raingage_1	CB881_963	0.2623	67.801	38.574	0.25	0
S47_1	Raingage_1	CB1302_1303	0.2386	51.521	49.006	0.25	0
S47_2	Raingage_1	CB1306_1307	0.1	51.521	20.539	0.25	0
S47_3	Raingage_1	CB1304_1305	0.1436	51.521	29.494	0.25	0
S47_4	Raingage_1	CB1308_1309	0.0759	51.521	15.589	0.25	0
S47_6	Raingage_1	cb4321	0.2239	51.521	45.987	0.25	0
S48	Raingage_1	CB278_277	0.7354	59.776	109.204	0.25	0
S49	Raingage_1	CB594_200	1.8213	49.31	178.559	0.25	0
S5	Raingage_1	CB1968	0.316	20.38	20.927	0.25	0
;Determine what flow is going where?							
S5_1	Raingage_1	J234	0.8132	38.24	56.867	0.25	0
;Determine what flow is going where?							
S5_2	Raingage_1	J233	0.2189	50.21	27.709	0.25	0
S5_5	Raingage_1	J206	1.1157	61.005	177.095	0.25	0
S5_6	Raingage_1	J207	1.6462	61.005	137.046	0.25	0
S50	Raingage_1	J423	0.7546	52.073	72.602	0.25	0
S50_1	Raingage_1	J416	0.3451	80.707	50.014	0.25	0
S50_10	Raingage_1	CB361_360	0.0791	80.707	13.183	0.25	0
S50_11	Raingage_1	J1	0.2793	80.707	32.859	0.25	0
;Connected to junction with U/S MH							
S50_12	Raingage_1	CB368	0.5631	61.409	112.62	0.25	0
;Connected to junction with U/S MH							
S50_13	Raingage_1	CB412_413_366	0.5437	61.409	110.959	0.25	0
S50_14	Raingage_1	J417	0.2357	80.707	52.378	0.25	0
S50_15	Raingage_1	CB363_364	0.0844	80.707	20.585	0.25	0
S50_16	Raingage_1	CB406_365	0.4477	80.707	84.472	0.25	0
S50_18	Raingage_1	CB119_120	1.2	57.7	94.488	0.25	0
S50_19	Raingage_1	CB117_321	0.6844	57.7	114.067	0.25	0
S50_2	Raingage_1	CB185_226	0.4895	45.251	89	0.25	0
S50_20	Raingage_1	CB118_322	0.6849	57.7	114.15	0.25	0
S50_21	Raingage_1	J424	2.2224	49.763	84.824	0.25	0
S50_22	Raingage_1	J422	1.5581	51.95	80.731	0.25	0
S50_23	Raingage_1	CB204_598	1.2552	51.95	80.981	0.25	0
S50_28	Raingage_1	CB600_206	0.1152	52.073	15.36	0.25	0
S50_4	Raingage_1	CB184_225	0.765	45.251	127.5	0.25	0
S50_5	Raingage_1	CB183_224	1.1242	45.251	204.4	0.25	0
;Connected to junction, delineated to closest MH							
S50_7	Raingage_1	J415	0.075	51.76	17.442	0.25	0
S50_8	Raingage_1	CB359_358	0.1113	80.707	12.362	0.25	0
;Connected to junction, delineated to closest MH							
S50_9	Raingage_1	J408	1.3273	51.76	145.857	0.25	0
S51	Raingage_1	CB605_211	0.3378	59.009	66.22	0.25	0
S51_1	Raingage_1	CB130_129	0.4884	57.47	48.356	0.25	0
S51_10	Raingage_1	CB140	0.462	57.47	51.333	0.25	0
S51_11	Raingage_1	CB331_332_127_128	1.5105	57.47	83.453	0.25	0
S51_12	Raingage_1	CB328_124	0.2298	57.47	76.6	0.25	0
S51_2	Raingage_1	CB121_325	0.3044	58.538	36.387	0.25	0
S51_3	Raingage_1	CB319_320	0.8011	58.538	43.303	0.25	0
S51_4	Raingage_1	TICB122_123_326_327	1.3652	58.538	163.19	0.25	0
S51_5	Raingage_1	CB340_141	0.6298	57.47	50.79	0.25	0
S51_6	Raingage_1	CB138_139	0.663	57.47	51	0.25	0
S51_7	Raingage_1	CB330_126	0.8079	57.47	65.683	0.25	0
S51_8	Raingage_1	CB329_125	0.8363	57.47	67.992	0.25	0
;Connected to junction, delineated to closest MH							
S52	Raingage_1	CB338_136	0.5276	52.275	87.933	0.25	0
S53	Raingage_1	CB344_145	1.7526	57.088	240.082	0.25	0
S54	Raingage_1	CB381_574	0.075	47.216	31.897	0.25	0
S54_2	Raingage_1	CB569_376	0.7467	51.515	83.899	0.25	0
S54_3	Raingage_1	CB571_378	0.3647	51.515	54.771	0.25	0
S54_4	Raingage_1	CB570_377	0.1949	51.515	29.27	0.25	0
S55	Raingage_1	CB346_147	0.7659	48.81	111.391	0.25	0
S55_1	Raingage_1	CB353_152	1.3397	54.366	113.534	0.25	0

S55_2	Raingage_1	CB349_150	0.5156	54.366	88.897	0.25	0
S55_7	Raingage_1	CB347_148	1.6991	45.389	190.91	0.25	0
S56	Raingage_1	CB341_342	0.7799	52.844	109.845	0.25	0
S57	Raingage_1	CB348_149	0.2814	37.36	82.765	0.25	0
S58	Raingage_1	CB48	1.0897	48.53	89.92	0.25	0
S59	Raingage_1	CB59_11	1.5739	47.42	145.731	0.25	0
S6	Raingage_1	CB1983_1928	1.4508	51.226	152.211	0.25	0
S60	Raingage_1	CB10_56	0.63	46.061	141.078	0.25	0
S60_1	Raingage_1	CB576_383	1.0511	51.058	117.134	0.25	0
S60_2	Raingage_1	CB382_575	1.1622	51.058	129.515	0.25	0
;Connected to junction with U/S MH							
S60_3	Raingage_1	CB578	0.0953	45.842	31.767	0.25	0
;Connected to junction with U/S MH							
S60_5	Raingage_1	CB580	0.5677	45.842	138.463	0.25	0
;Connected to junction with U/S MH							
S60_6	Raingage_1	CB579	0.3802	45.842	84.489	0.25	0
S61	Raingage_1	CB577_384	1.1335	46.767	112.228	0.25	0
S62	Raingage_1	CB75_23	0.5534	51.207	88.266	0.25	0
S62_1	Raingage_1	CB14_64	0.122	75	38.125	0.25	0
S62_2	Raingage_1	CB4225_67	0.8363	56.88	160.827	0.25	0
S62_3	Raingage_1	J437	1.0714	56.88	133.925	0.25	0
S62_5	Raingage_1	CB15_68	0.3336	56.88	83.4	0.25	0
S63	Raingage_1	CB1326	0.9845	51	70.321	0.25	0
S63_1	Raingage_1	CB583_388	0.7787	47.987	119.8	0.25	0
S63_10	Raingage_1	CB625_264	1.5399	49.371	205.32	0.25	0
S63_11	Raingage_1	J442	1.214	49.371	186.769	0.25	0
;Riverside							
S63_12	Raingage_1	CB1325	0.6037	50.935	67.598	0.25	0
S63_13	Raingage_1	J443	0.7874	49.371	157.48	0.25	0
S63_14	Raingage_1	CB259_620	1.1194	43.377	116.028	0.25	0
S63_15	Raingage_1	J445	1.1406	43.377	200.105	0.25	0
S63_16	Raingage_1	CB617_258	0.5565	43.377	57.682	0.25	0
S63_17	Raingage_1	CB457_4216	0.5175	51.634	60.948	0.25	0
S63_18	Raingage_1	CB459_648	0.9187	51.634	108.199	0.25	0
S63_19	Raingage_1	CB458_647	0.7547	51.634	88.884	0.25	0
S63_2	Raingage_1	J444	0.835	49.371	167	0.25	0
S63_3	Raingage_1	CB581_582	1.0972	47.987	154.535	0.25	0
S63_4	Raingage_1	CB26	0.3796	47.987	67.786	0.25	0
S63_5	Raingage_1	CB584_389	1.2689	60.354	102.592	0.25	0
S63_6	Raingage_1	CB586_590	1.1063	60.354	89.446	0.25	0
S63_7	Raingage_1	CB585_395	1.1982	60.354	96.876	0.25	0
S63_8	Raingage_1	CB626_627	0.3289	49.371	82.225	0.25	0
S63_9	Raingage_1	CB621_260	0.5722	49.371	143.05	0.25	0
S64	Raingage_1	CB182_223	0.4721	50.811	86.94	0.25	0
S65	Raingage_1	CB4219_4218	1.51	37.916	118.648	0.25	0
;To review							
S66	Raingage_1	CB268_631	0.6397	61.67	81.827	0.25	0
S67	Raingage_1	CB245_287	1.3057	55.631	173.483	0.25	0
S68	Raingage_1	CB612_253	0.6491	57.646	93.942	0.25	0
S69	Raingage_1	CB545_448	1.2571	46.649	149.655	0.25	0
S7	Raingage_1	CB1979	0.5312	46.177	63.114	0.25	0
;Look back at this							
S70	Raingage_1	CB550_696	0.3443	57.626	99.673	0.25	0
S70_1	Raingage_1	CB549_695	0.4284	60.05	95.2	0.25	0
S70_2	Raingage_1	CB694_693	1.341	60.05	167.625	0.25	0
;Cnty Rd 22							
S71	Raingage_1	STM3620	1.2987	42.378	120.194	0.25	0
S71_1	Raingage_1	CB1161	0.2171	56.744	43.069	0.25	0
;AV Graham Public School							
S71_2	Raingage_1	J604	0.0621	98	12.42	0.25	0
;AV Graham Public School							
S71_3	Raingage_1	J610	0.0969	78	14.908	0.25	0
;AV Graham Public School							
S71_4	Raingage_1	J606	0.0661	98	13.22	0.25	0

;AV Graham Public School							
S71_5	Raingage_1	J611	0.073	89	14.6	0.25	0
;AV Graham Public School							
S71_6	Raingage_1	J609	0.0762	78	15.24	0.25	0
;AV Graham Public School							
S71_7	Raingage_1	J608	0.0526	100	10.52	0.25	0
;AV Graham Public School							
S71_8	Raingage_1	CB683_682	0.3216	29.433	28.855	0.25	0
S71_9	Raingage_1	CB1160_1246	0.0896	56.744	17.775	0.25	0
S72	Raingage_1	CB852_851	0.9586	47.039	110.386	0.25	0
S72_1	Raingage_1	J514	0.8641	53.089	101.659	0.25	0
S72_11	Raingage_1	J510	0.6008	53.089	109.236	0.25	0
S72_12	Raingage_1	J515	0.4574	53.089	83.164	0.25	0
S72_13	Raingage_1	J509	0.8465	53.089	153.909	0.25	0
S72_14	Raingage_1	J508	0.9867	53.089	179.4	0.25	0
S72_15	Raingage_1	J511	0.8372	53.089	152.218	0.25	0
S72_16	Raingage_1	CB850	0.4883	47.246	72.438	0.25	0
S72_17	Raingage_1	J512	0.7923	53.089	144.055	0.25	0
S72_18	Raingage_1	CB544_446	0.7927	47.246	117.596	0.25	0
S72_19	Raingage_1	J513	0.5406	53.089	120.133	0.25	0
S72_2	Raingage_1	CB747_810	0.3721	64.887	82.689	0.25	0
S72_20	Raingage_1	CB848_849	0.7486	52.305	120.742	0.25	0
S72_21	Raingage_1	CB791	0.4687	52.305	65.097	0.25	0
S72_23	Raingage_1	CB792	0.6086	52.305	75.779	0.25	0
S72_24	Raingage_1	CB864_863	0.6623	52.305	106.823	0.25	0
S72_3	Raingage_1	CB1	0.5464	64.887	91.067	0.25	0
S72_4	Raingage_1	CB748_811	0.5895	64.887	96.639	0.25	0
S72_5	Raingage_1	CB812_813	0.9756	64.887	110.788	0.25	0
S72_6	Raingage_1	CB749_814	0.9094	64.887	115.114	0.25	0
S72_7	Raingage_1	CB872_802	0.4399	55.055	97.756	0.25	0
S72_8	Raingage_1	CB804_874	1.3965	55.055	196.69	0.25	0
S72_9	Raingage_1	CB805_875	1.7225	55.055	242.606	0.25	0
S73	Raingage_1	CB800_870	1.1417	48.413	204.43	0.25	0
S74	Raingage_1	CB1393	1.0309	57.75	127.753	0.25	0
S74_1	Raingage_1	J522	0.9212	48.364	167.491	0.25	0
S74_2	Raingage_1	CB798_868	1.5326	48.364	89.654	0.25	0
S74_4	Raingage_1	J525	0.6029	48.364	133.978	0.25	0
S74_5	Raingage_1	J523	0.2045	48.364	68.167	0.25	0
S74_6	Raingage_1	J526	0.4707	48.364	104.6	0.25	0
S74_7	Raingage_1	J524	1.3541	48.364	188.069	0.25	0
S75	Raingage_1	CB1398_1439	1.3177	57.178	155.024	0.25	0
S76	Raingage_1	CB901	0.7793	45.633	112.942	0.25	0
S77	Raingage_1	CB770_839	1.5586	54.384	153.978	0.25	0
S78	Raingage_1	CB767_836	0.6112	39.505	172.334	0.25	0
S79	Raingage_1	CB1404_1445	1.194	48.43	185.499	0.25	0
S79_2	Raingage_1	J538	0.7547	49.217	96.555	0.25	0
S79_3	Raingage_1	CB1450_1411	1.2309	49.217	146.536	0.25	0
S79_4	Raingage_1	J537	0.5942	49.217	102.448	0.25	0
S8	Raingage_1	CB1984	0.752	48.961	101.929	0.25	0
S80	Raingage_1	CB819_754	0.803	56.763	143.393	0.25	0
S80_2	Raingage_1	J540	0.4997	49.875	40.423	0.25	0
S80_4	Raingage_1	J541	0.7735	49.875	62.571	0.25	0
S80_5	Raingage_1	CB1447_1407	1.5086	49.875	122.036	0.25	0
S80_6	Raingage_1	CB750_751	0.5509	58.265	110.18	0.25	0
S80_7	Raingage_1	CB818_753	1.1796	58.265	105.321	0.25	0
S80_8	Raingage_1	CB817_752	0.5564	58.265	123.644	0.25	0
S80_9	Raingage_1	CB815_816	0.9705	58.265	111.912	0.25	0
S81	Raingage_1	CB1484_1582	1.0618	51.945	194.586	0.25	0
S82	Raingage_1	CB1416_1455	0.5754	49.285	114.031	0.25	0
S83	Raingage_1	CB1584_1487	1.4312	55.963	149.083	0.25	0
S84	Raingage_1	CB1583_1485	0.6792	56.617	84.9	0.25	0
S85	Raingage_1	CB1472_1567	1.1746	55.767	149.533	0.25	0
S85_1	Raingage_1	CB1571	0.1726	50.862	43.15	0.25	0
S85_2	Raingage_1	CB1585_1488	0.547	50.862	85.469	0.25	0

S86	Raingage_1	CB1473_1568	1.0255	58.063	143.851	0.25	0
S87	Raingage_1	CB1593_1496	0.3298	54.838	115.529	0.25	0
S88	Raingage_1	CB1600_1502	1.1075	56.343	124.438	0.25	0
S89	Raingage_1	CB1594_1497	1.1948	55.945	98.744	0.25	0
S9	Raingage_1	CB1981	1.3491	43.086	122.645	0.25	0
S90	Raingage_1	CB345_146	0.9818	52.901	151.046	0.25	0
S91	Raingage_1	j563	0.313	72.445	55.455	0.25	0
;To review							
S92	Raingage_1	J418	0.3253	89.555	32.859	0.25	0
S93	Raingage_1	CB314_313	0.405	56.393	47.647	0.25	0
S94	Raingage_1	CB601	0.1964	53.114	30.956	0.25	0
S95	Raingage_1	J567	0.0583	61.06	16.657	0.25	0
S96	Raingage_1	STM500	0.0948	10	15.8	0.25	0
S97	Raingage_1	J569	0.139	46.91	16.353	0.25	0
;ASSUMED OUTLET							
S98	Raingage_1	CB2837_2838	1.145	33.067	129.119	0.25	0
;Sewer split, could be delineated to Manning PS							
S99	Raingage_1	CB1385	1.3974	46.967	137.702	0.25	0
;Sewer split, could be delineated to Manning PS							
S99_1	Raingage_1	CB1382	0.5844	46.967	25.589	0.25	0
;Sewer split, could be delineated to Manning PS							
S99_2	Raingage_1	CB1386	0.6719	46.967	79.047	0.25	0
;Sewer split, could be delineated to Manning PS							
S99_3	Raingage_1	CB1377	0.6867	46.967	30.069	0.25	0
;Ditch							
TEC_1	Raingage_1	Tec_Rd_DICB	0.9669	29.974	80.575	0.25	0
;Ditch							
TEC_3	Raingage_1	TEC_DITCH1	0.3316	29.974	22.107	0.25	0
;Ditch							
TEC_4	Raingage_1	J601	0.225	29.974	15	0.25	0
W1_2	Raingage_1	J553	1.146	53.028	134.824	0.25	0
W1_3	Raingage_1	CB1601_1503	1.1838	53.028	134.523	0.25	0
W1_5	Raingage_1	J556	0.8965	53.028	96.398	0.25	0
W101	Raingage_1	CB177_107	0.67812	62.413	96.874	0.25	0
W102	Raingage_1	CB175_106	0.724694	56.91	154.19	0.25	0
W103	Raingage_1	CB178_108	0.875463	57.253	125.066	0.25	0
W104_1	Raingage_1	CB334_132	0.8634	53.714	123.343	0.25	0
W104_2	Raingage_1	CB335_133	1.1567	53.714	183.603	0.25	0
W107	Raingage_1	CB151_350	0.931707	58.266	282.335	0.25	0
W108_1	Raingage_1	CB4235_351	0.2841	47.559	71.025	0.25	0
W108_2	Raingage_1	CB352	0.6029	47.559	150.725	0.25	0
W11_1	Raingage_1	CB1480	0.7486	51.059	34.657	0.25	0
W11_2	Raingage_1	J551	0.9136	51.059	42.296	0.25	0
;Connected to junction, delineated to closest MH							
W116_1	Raingage_1	J431	0.7701	50.362	106.958	0.25	0
;Connected to junction, delineated to closest MH							
W116_4	Raingage_1	J430	0.8216	50.362	136.933	0.25	0
W12	Raingage_1	CB1482_1578	0.710578	52.872	78.953	0.25	0
W121_2	Raingage_1	CB60_61	1.5177	48.936	161.457	0.25	0
W121_3	Raingage_1	J432	0.3533	48.936	17.404	0.25	0
W124	Raingage_1	J419	0.667435	68.625	98.152	0.25	0
W125	Raingage_1	CB54_55	0.796775	51.564	137.375	0.25	0
;Park							
W126	Raingage_1	CB53_52	0.580511	16.503	54.253	0.25	0
W127	Raingage_1	CB8_51	0.735414	54.97	74.284	0.25	0
W129	Raingage_1	CB62_12	1.395267	57.693	94.275	0.25	0
W13	Raingage_1	CB1580_1581	1.02452	56.026	189.726	0.25	0
W130	Raingage_1	CB9_4234	0.25047	45.339	54.45	0.25	0
W131	Raingage_1	CB71_19	1.06834	57.094	86.857	0.25	0
W132	Raingage_1	CB13_63	1.309787	54.45	86.17	0.25	0
W133	Raingage_1	CB4224_16	0.529773	64.416	71.591	0.25	0
W138	Raingage_1	J436	0.991488	49.041	84.024	0.25	0
W139	Raingage_1	J435	1.227043	49.883	104.875	0.25	0
W14	Raingage_1	CB1419_1458	0.770058	53.629	102.674	0.25	0

W140	Raingage_1	CB53_52	0.334384	56.634	49.908	0.25	0
W143	Raingage_1	CB41_40	1.081145	72.491	111.458	0.25	0
W144	Raingage_1	J404	1.169947	60.838	113.587	0.25	0
;Carling Park							
W145_1	Raingage_1	CB4211	0.5917	7.772	73.049	0.25	0
;Carling Park							
W145_2	Raingage_1	J388	1.0895	7.772	75.66	0.25	0
W146	Raingage_1	J381	2.311803	6.208	94.359	0.25	0
W147_1	Raingage_1	J421	2.033	30	114.859	0.25	0
W147_2	Raingage_1	J420	1.586	91	102.987	0.25	0
W148_1	Raingage_1	CB560_367	0.4609	62.22	51.211	0.25	0
W148_2	Raingage_1	CB368	0.3786	62.22	42.067	0.25	0
;To review							
W149_3	Raingage_1	J376	1.0514	38.27	86.18	0.25	0
;To review							
W149_4	Raingage_1	J380	1.1953	28.52	103.043	0.25	0
W149_5	Raingage_1	CB4316_402	1.0786	38.27	118.527	0.25	0
W15	Raingage_1	J539	1.016297	53.51	145.185	0.25	0
W150_1	Raingage_1	CB197_593	1.4779	48.16	180.232	0.25	0
W152_1	Raingage_1	CB306A	0.7051	51.343	113.726	0.25	0
W153_2	Raingage_1	CB293_294	0.2809	61.114	38.479	0.25	0
W154_1	Raingage_1	J479	0.3121	48.142	56.745	0.25	0
W154_3	Raingage_1	J480	0.509	48.142	71.69	0.25	0
W154_4	Raingage_1	J481	0.5744	48.142	82.057	0.25	0
W157	Raingage_1	J410	1.180529	88.982	94.442	0.25	0
W16	Raingage_1	CB1420_1459	0.590152	47.97	151.321	0.25	0
;Area not delineated to a MH							
W167_1	Raingage_1	J488	0.805	100	56.69	0.25	0
;Area not delineated to a MH							
W167_2	Raingage_1	J489	1.3518	10	75.1	0.25	0
W168	Raingage_1	CB37_87	1.266146	41.469	207.565	0.25	0
W169_1	Raingage_1	j345	0.2337	49.95	38.95	0.25	0
W169_10	Raingage_1	J360	0.0913	49.95	20.289	0.25	0
W169_11	Raingage_1	J359	0.0872	49.95	17.796	0.25	0
W169_12	Raingage_1	J361	0.1501	49.95	15.8	0.25	0
W169_2	Raingage_1	J356	0.5695	49.95	113.9	0.25	0
W169_3	Raingage_1	j346	0.7632	49.95	89.788	0.25	0
W169_4	Raingage_1	J344	0.4056	49.95	62.4	0.25	0
W169_5	Raingage_1	j347	0.2136	49.95	35.6	0.25	0
W169_6	Raingage_1	J357	1.6161	49.95	190.129	0.25	0
W169_7	Raingage_1	j348	0.5273	49.95	81.123	0.25	0
W169_8	Raingage_1	J354	0.6407	49.95	128.14	0.25	0
;Portion goes into Manning PS area							
W17_1	Raingage_1	J543	0.3923	53.794	71.327	0.25	0
;Portion goes into Manning PS area							
W17_2	Raingage_1	J542	0.5684	53.794	81.2	0.25	0
W172	Raingage_1	CB1001	1.326304	48.506	131.317	0.25	0
W173	Raingage_1	CB1563	1.1906	52.861	125.326	0.25	0
W174	Raingage_1	CB1250	0.2412	50.763	86.143	0.25	0
;Is this area delineated correctly?							
W175_2	Raingage_1	J340	0.3256	10.599	51.683	0.25	0
;Is this area delineated correctly?							
W175_3	Raingage_1	J341	0.4863	10.599	73.682	0.25	0
;Is this area delineated correctly?							
W175_4	Raingage_1	J342	0.683	10.599	66.311	0.25	0
;Is this area delineated correctly?							
W175_5	Raingage_1	J339	0.2396	10.599	25.763	0.25	0
;Tecumseh Towne Centre, Outlet via 200 pipe							
W176_1	Raingage_1	J711	1.1461	86.249	109.152	0.25	0
;Tecumseh Towne Centre, Outlet via 200 pipe							
W176_2	Raingage_1	J337	0.5689	86.249	66.929	0.25	0
W177	Raingage_1	CB2765_2711	1.166355	54.654	238.032	0.25	0
W178	Raingage_1	CB2767	0.645688	59.424	60.345	0.25	0
;Potential Survey							

W179_1	Raingage_1	J296	1.2868	59.134	122.552	0.25	0
;Potential Survey							
W179_10	Raingage_1	J297	0.4613	59.134	82.375	0.25	0
;Potential Survey							
W179_11	Raingage_1	J303	0.4339	59.134	83.442	0.25	0
;Potential Survey							
W179_12	Raingage_1	J304	0.868	59.134	90.417	0.25	0
;Potential Survey							
W179_13	Raingage_1	J305	1.168	59.134	149.744	0.25	0
;Potential Survey							
W179_2	Raingage_1	J293	1.0633	59.134	114.333	0.25	0
;Potential Survey							
W179_3	Raingage_1	J301	0.1401	59.134	40.029	0.25	0
;Potential Survey							
W179_4	Raingage_1	J298	0.9718	59.134	127.868	0.25	0
;Potential Survey							
W179_5	Raingage_1	CB1822_1823	0.386	59.134	85.778	0.25	0
;Potential Survey							
W179_7	Raingage_1	J295	0.433	59.134	45.104	0.25	0
;Potential Survey							
W179_8	Raingage_1	J294	0.3404	59.134	75.644	0.25	0
;Potential Survey							
W179_9	Raingage_1	J302	0.8454	59.134	73.513	0.25	0
W180	Raingage_1	CB9601	1.146496	31.525	148.896	0.25	0
W181_1	Raingage_1	J330	0.7247	61.764	105.029	0.25	0
W181_2	Raingage_1	J607	0.146	80	17.176	0.25	0
W181_3	Raingage_1	J329	0.6073	61.764	134.956	0.25	0
W181_5	Raingage_1	J618	0.4302	61.764	86.04	0.25	0
W181_6	Raingage_1	J328	0.1103	95	22.06	0.25	0
W181_7	Raingage_1	J619	0.0899	61.764	17.98	0.25	0
;Area to be reconstructed?							
W182	Raingage_1	J3834_1	2.759427	39.599	109.937	0.25	0
W187	Raingage_1	CB520	0.888841	49.223	98.76	0.25	0
W189_1	Raingage_1	J336	0.7685	50.158	118.231	0.25	0
W189_2	Raingage_1	J333	0.8789	50.158	151.534	0.25	0
;Little River Park							
W19_1	Raingage_1	J535	0.662	44.5	120.364	0.25	0
;Little River Park							
W19_2	Raingage_1	J536	1.2414	26.771	107.017	0.25	0
W191	Raingage_1	J66	0.9242	51.021	96.271	0.25	0
W192_1	Raingage_1	CB1531	1.0722	48.456	116.543	0.25	0
W192_2	Raingage_1	J373	1.1341	48.456	123.272	0.25	0
W193	Raingage_1	J332	1.6216	48.091	115.829	0.25	0
W194_1	Raingage_1	J275	0.2681	6.182	14.111	0.25	0
W194_2	Raingage_1	RAIL-3	1.7554	6.182	92.389	0.25	0
W194_3	Raingage_1	J696	3.0471	6.182	160.374	0.25	0
W194_5	Raingage_1	J285	0.0638	6.182	3.358	0.25	0
W195	Raingage_1	CB1639_1641	1.241223	51.183	129.294	0.25	0
W196	Raingage_1	J331	1.339985	47.436	1030.758	0.25	0
W198	Raingage_1	CB1640	1.227335	47.48	175.334	0.25	0
W199_1	Raingage_1	J283	0.5123	54.022	113.844	0.25	0
W199_2	Raingage_1	J281	1.2022	54.022	28.969	0.25	0
W199_3	Raingage_1	J280	0.848	54.022	151.429	0.25	0
W199_5	Raingage_1	J279	1.1948	54.022	206	0.25	0
W2_1	Raingage_1	J560	0.8088	57.739	144.429	0.25	0
W2_2	Raingage_1	CB1598_4262	1.066	57.739	94.336	0.25	0
W20	Raingage_1	CB1892_1891	1.206795	51.076	123.142	0.25	0
W200_1	Raingage_1	CB1648_1534	0.8153	51.491	95.918	0.25	0
W200_2	Raingage_1	CB1649_1537	1.0607	51.491	108.235	0.25	0
W201	Raingage_1	CB1535_1647	1.2369	47.764	179.261	0.25	0
W203	Raingage_1	CB1646_1534	1.4706	47.471	159.848	0.25	0
W204	Raingage_1	CB1625_1518	1.091959	56.291	136.495	0.25	0
W205_1	Raingage_1	J278	1.1513	56.566	112.873	0.25	0
W205_3	Raingage_1	J277	1.1405	56.566	108.619	0.25	0

W205_4	Raingage_1	CB1627_1520	0.4658	56.566	103.511	0.25	0
W206_1	Raingage_1	CB1611	1.0867	61.832	103.495	0.25	0
W206_2	Raingage_1	J276	0.6195	61.832	154.875	0.25	0
;Portion goes into Lesperance PS area							
W207_1	Raingage_1	J366	1.9177	36	52.54	0.25	0
;Portion goes into Lesperance PS area							
W207_3	Raingage_1	J367	0.9034	45.739	88.569	0.25	0
;Portion goes into Lesperance PS area							
W207_4	Raingage_1	J368	0.7574	45.739	74.255	0.25	0
;Model sewers within area							
W208	Raingage_1	CB1555_988	1.327318	41.514	82.957	0.25	0
W209_2	Raingage_1	CB1552_984	1.0804	44.938	142.158	0.25	0
W209_3	Raingage_1	J3	0.2875	44.938	52.273	0.25	0
W209_4	Raingage_1	J52	0.1542	44.938	7.041	0.25	0
W209_5	Raingage_1	J16	0.7005	44.938	104.552	0.25	0
W209_6	Raingage_1	J65	0.1374	44.938	6.274	0.25	0
W21_1	Raingage_1	J530	0.4343	55.72	12.303	0.25	0
W21_2	Raingage_1	J529	2.7183	55.72	135.239	0.25	0
W210	Raingage_1	CB1549_975	0.353467	57.035	121.885	0.25	0
W213	Raingage_1	CB1549_975	1.15724	57.904	160.728	0.25	0
W214	Raingage_1	CB1661_1547	1.223509	58.915	165.339	0.25	0
W215	Raingage_1	CB1538_1650	1.086384	44.948	100.591	0.25	0
;Review connection							
W218_1	Raingage_1	J624	0.5396	81.955	38.543	0.25	0
;Review connection							
W218_3	Raingage_1	J625	0.9797	81.955	69.979	0.25	0
;Review connection							
W218_4	Raingage_1	J627	0.1999	81.955	33.317	0.25	0
;Review connection							
W218_5	Raingage_1	CB_MCD	0.4731	81.955	51.989	0.25	0
;Review connection							
W218_6	Raingage_1	J626	0.1078	81.955	19.25	0.25	0
W22	Raingage_1	CB1422_4249	0.794472	49.343	124.136	0.25	0
W220	Raingage_1	CB1251	0.59815	46.658	96.476	0.25	0
W221	Raingage_1	CB1006_4472	0.86287	50.617	151.381	0.25	0
;Model sewers within area							
W222	Raingage_1	CB4381_4380	0.989045	47.071	83.113	0.25	0
W223	Raingage_1	J600	0.1668	64.956	27.8	0.25	0
W227_1	Raingage_1	CB566_373	0.4045	54.305	66.311	0.25	0
W227_2	Raingage_1	CB565_372	0.8679	54.305	115.72	0.25	0
W228_2	Raingage_1	CB562_369	0.3318	52.509	73.733	0.25	0
W228_3	Raingage_1	CB564_371	0.4424	52.509	72.525	0.25	0
W228_4	Raingage_1	CB563_370	0.2339	52.509	51.978	0.25	0
W229	Raingage_1	CB171_172	0.856529	52.563	75.134	0.25	0
W23	Raingage_1	CB768_837	0.817937	47.377	103.536	0.25	0
W234	Raingage_1	CB1558	1.065863	53.182	144.036	0.25	0
W235_2	Raingage_1	J2	0.4378	39	39.089	0.25	0
W235_3	Raingage_1	CB_J66582	0.835918	47.583	149.271	0.25	0
W235_4	Raingage_1	CB4396_4397	0.304382	47.583	56.367	0.25	0
W237	Raingage_1	J527	3.1532	49.346	86.626	0.25	0
;Funeral Home. Confirm outlet							
W238_1	Raingage_1	CB6302_6303	0.6256	42	90.667	0.25	0
W24_1	Raingage_1	J533	0.8447	52.589	145.638	0.25	0
W24_2	Raingage_1	J534	0.6634	52.589	132.68	0.25	0
W241	Raingage_1	CB1162	0.848708	57.54	139.132	0.25	0
W242	Raingage_1	CB2875_3148	0.693174	51.515	101.937	0.25	0
W243	Raingage_1	CB3149_2876	1.22295	50.401	77.402	0.25	0
W244	Raingage_1	CB2877_3150	0.839119	52.086	89.268	0.25	0
W246	Raingage_1	CB3146_3147	0.525618	52.253	103.062	0.25	0
W247	Raingage_1	CB2829_3090	1.223448	54.043	179.919	0.25	0
W248	Raingage_1	CB4357_4326	1.2202	56.165	171.232	0.25	0
W249	Raingage_1	J286	0.450735	47.128	53.659	0.25	0
;Ecole Sainte Marguerite delineated to Manning PS							
W25_1	Raingage_1	STM3832	0.2244	80	37.4	0.25	0

;Ecole Sainte Marguerite delineated to Manning PS					
W25_2	Raingage_1	J548	1.9875	6.7	104.058 0.25 0
;Ecole Sainte Marguerite delineated to Manning PS					
W25_4	Raingage_1	J547	1.4301	65	119.175 0.25 0
;Ecole Sainte Marguerite delineated to Manning PS					
W25_5	Raingage_1	CB1461_1460	0.3523	65	13.655 0.25 0
W250	Raingage_1	CB2865_2864	0.615951	43.067	59.801 0.25 0
W251_1	Raingage_1	J169	1.2241	47.728	120.01 0.25 0
W251_3	Raingage_1	J168	0.5267	47.728	74.183 0.25 0
;Two pipes running parallel					
W255	Raingage_1	CB3089_2828	0.4268	54.754	121.943 0.25 0
;Conneted to juntion delineated to closest MH					
W256	Raingage_1	CB3086_2825	1.098351	49.28	161.522 0.25 0
W257	Raingage_1	CB31	0.236897	49.603	51.499 0.25 0
W26	Raingage_1	J528	1.045207	52.264	114.858 0.25 0
W260	Raingage_1	CB4279_4297	0.9906	62.028	141.397 0.25 0
W261	Raingage_1	CB3085_2824	1.208501	54.979	185.923 0.25 0
W262	Raingage_1	CB3084_2823	0.78051	50.076	70.955 0.25 0
W263	Raingage_1	J170	0.638719	61.223	72.582 0.25 0
W264	Raingage_1	CB4266_4278	0.941119	50.254	154.282 0.25 0
W265	Raingage_1	CB2083	0.5262	45.963	82.219 0.25 0
W266	Raingage_1	CB3079_3081	0.256896	61.546	32.518 0.25 0
W267	Raingage_1	CB3078_2820	0.350335	54.6	63.697 0.25 0
W268	Raingage_1	CB3076_2818	1.066327	54.696	146.072 0.25 0
W27	Raingage_1	J246	0.652317	53.171	70.904 0.25 0
;Split in half, delineated to upstream					
W270_2	Raingage_1	J132	1.3738	57.204	77.616 0.25 0
W271_2	Raingage_1	J133	1.4533	46.89	93.761 0.25 0
W272	Raingage_1	CB3141_3140	1.080464	52.102	100.978 0.25 0
;Split in half, delineated to upstream					
W273	Raingage_1	CB3138_2870	1.595539	47.318	123.685 0.25 0
W274	Raingage_1	CB2868_3136	0.644884	46.464	184.253 0.25 0
W275_1	Raingage_1	J131	1.3893	44.442	62.3 0.25 0
W275_2	Raingage_1	J130	1.6762	44.442	164.333 0.25 0
W276	Raingage_1	CB2840_3105	1.13995	38.05	180.944 0.25 0
W277	Raingage_1	CB2940_3011	0.609	42.966	51.614 0.25 0
;U/S MH below seleted area					
W278_2	Raingage_1	CB567_374	0.6118	48.792	89.971 0.25 0
W279	Raingage_1	CB573_380	1.375169	52.315	199.3 0.25 0
W28	Raingage_1	CB1399_1440	0.639883	44.533	108.455 0.25 0
W280	Raingage_1	CB2909_2910	0.994881	51.129	130.905 0.25 0
W281_1	Raingage_1	CB2710_2764	0.2587	46.605	41.726 0.25 0
W281_2	Raingage_1	CB2916_2915	0.2062	46.605	40.431 0.25 0
;Back of lot assumed to cyr drain					
W283	Raingage_1	CB2907_2753	0.91655	32.768	179.716 0.25 0
;Extended to back of lot into Manning PS					
W284	Raingage_1	CB2913_2759	1.422674	42.246	94.845 0.25 0
W285_3	Raingage_1	J287	0.4274	78.73	65.754 0.25 0
W285_4	Raingage_1	J288	0.5796	93	56.824 0.25 0
W285_5	Raingage_1	J173	0.2343	85	38.41 0.25 0
W286	Raingage_1	CB3074_2816	0.875693	46.749	162.165 0.25 0
W287	Raingage_1	CB2767	1.786417	54.09	146.428 0.25 0
W288_4	Raingage_1	CB2927_2990	0.4587	36.472	47.289 0.25 0
W288_5	Raingage_1	CB2762_2763	0.3206	36.472	33.052 0.25 0
W289	Raingage_1	J174	1.316941	32.448	151.373 0.25 0
W29	Raingage_1	J532	0.741916	55.791	69.992 0.25 0
W290	Raingage_1	j147	0.9982	34.691	36.036 0.25 0
W290_1	Raingage_1	J163	0.6107	25.916	73.578 0.25 0
W290_10	Raingage_1	J166	2.6305	25.916	316.928 0.25 0
W290_11	Raingage_1	J162	1.1068	25.916	133.349 0.25 0
W290_2	Raingage_1	J158	0.134	25.916	16.145 0.25 0
W290_5	Raingage_1	J161	1.1651	25.916	140.373 0.25 0
W290_6	Raingage_1	J165	0.2505	25.916	30.181 0.25 0
W290_8	Raingage_1	J159	0.1007	25.916	12.133 0.25 0

W290_9	Raingage_1	J160	1.8291	25.916	220.373	0.25	0
;Area to be reconstructed?							
W291_1	Raingage_1	J145	0.2987	27.98	35.988	0.25	0
;Area to be reconstructed?							
W291_2	Raingage_1	J152	0.528	27.98	63.614	0.25	0
;Area to be reconstructed?							
W291_3	Raingage_1	J146	0.2774	27.98	33.422	0.25	0
;Area to be reconstructed?							
W291_4	Raingage_1	J154	0.6243	27.98	75.217	0.25	0
;Area to be reconstructed?							
W291_5	Raingage_1	J157	0.732	27.98	88.193	0.25	0
;Area to be reconstructed?							
W291_7	Raingage_1	J151	1.0424	27.98	125.59	0.25	0
;Area to be reconstructed?							
W291_8	Raingage_1	J155	1.169	27.98	140.843	0.25	0
;Area to be reconstructed?							
W291_9	Raingage_1	J156	0.9463	27.98	114.012	0.25	0
;ASSUMED OUTLET							
W292	Raingage_1	J29	1.1472	28.344	106.107	0.25	0
;ASSUMED OUTLET							
W292_2	Raingage_1	J135	1.3974	28.344	72.781	0.25	0
;Area to be reconstructed?							
W293_1	Raingage_1	J136	1.2664	26.126	152.578	0.25	0
;Area to be reconstructed?							
W293_11	Raingage_1	J142	1.0435	26.126	125.723	0.25	0
;Area to be reconstructed?							
W293_2	Raingage_1	J144	0.9731	26.126	117.241	0.25	0
;Area to be reconstructed?							
W293_3	Raingage_1	J139	0.6841	26.126	82.422	0.25	0
;Area to be reconstructed?							
W293_4	Raingage_1	J140	0.7314	26.126	88.12	0.25	0
;Area to be reconstructed?							
W293_5	Raingage_1	J144	1.4875	26.126	179.217	0.25	0
;Area to be reconstructed?							
W293_6	Raingage_1	J149	0.5458	26.126	65.759	0.25	0
;Area to be reconstructed?							
W293_7	Raingage_1	J137	1.7094	26.126	205.952	0.25	0
;Area to be reconstructed?							
W293_8	Raingage_1	J138	0.7274	26.126	87.639	0.25	0
;Area to be reconstructed?							
W293_9	Raingage_1	J141	0.7299	26.126	87.94	0.25	0
W294	Raingage_1	CB3016	1.19655	40.191	88.633	0.25	0
W295	Raingage_1	CB2940_3011	0.384426	39.967	51.949	0.25	0
W296_1	Raingage_1	CB2939_3008	2.4034	42.337	153.083	0.25	0
W296_2	Raingage_1	CB2937_2999	0.622	42.337	155.5	0.25	0
;Goes to BD							
W297_1	Raingage_1	CB2832_2833	0.9437	39.062	155.137	0.25	0
;Goes to BD							
W297_2	Raingage_1	CB2933_2994	1.4804	39.062	142.346	0.25	0
;Commercial							
W298_1	Raingage_1	J318	0.9399	89.526	93.99	0.25	0
;Commercial							
W298_2	Raingage_1	J319	0.3008	89.526	30.08	0.25	0
;Commercial							
W299	Raingage_1	J663	0.1307	87.67	13.07	0.25	0
;Commercial							
W299_1	Raingage_1	J677	0.0367	87.67	3.67	0.25	0
;Commercial							
W299_10	Raingage_1	J665	0.0632	87.67	6.32	0.25	0
;Commercial							
W299_11	Raingage_1	J668	0.1373	87.67	13.73	0.25	0
;Commercial							
W299_12	Raingage_1	J674	0.0447	87.67	4.47	0.25	0
;Commercial							

W299_13 ;Commercial	Raingage_1	J673	0.0283	87.67	2.83	0.25	0
W299_14 ;Commercial	Raingage_1	J667	0.0707	87.67	7.07	0.25	0
W299_15 ;Commercial	Raingage_1	J676	0.1337	87.67	13.37	0.25	0
W299_17 ;Commercial	Raingage_1	CBMH_TMC	0.1707	87.67	17.07	0.25	0
W299_18 ;Commercial	Raingage_1	J670	0.0885	87.67	8.85	0.25	0
W299_19 ;Commercial	Raingage_1	J666	0.0665	87.67	6.65	0.25	0
W299_20 ;Commercial	Raingage_1	J675	0.1236	87.67	12.36	0.25	0
W299_21 ;Commercial	Raingage_1	J678	0.1511	87.67	15.11	0.25	0
W299_3 ;Commercial	Raingage_1	J662	0.1219	87.67	12.19	0.25	0
W299_4 ;Commercial	Raingage_1	J669	0.0924	87.67	9.24	0.25	0
W299_5 ;Commercial	Raingage_1	J664	0.0362	87.67	3.62	0.25	0
W299_6 ;Commercial	Raingage_1	J671	0.0809	87.67	8.09	0.25	0
W299_8	Raingage_1	J672	0.0583	87.67	5.83	0.25	0
W3_1	Raingage_1	J561	0.7683	56.158	128.05	0.25	0
W3_2 ;Commercial, Must confirm SWM	Raingage_1	CB1595_1498	1.158	56.158	186.774	0.25	0
W300_1 ;Commercial, Must confirm SWM	Raingage_1	J659	0.0672	90.522	37.333	0.25	0
W300_2 ;Commercial, Must confirm SWM	Raingage_1	J657	0.2025	90.522	48.214	0.25	0
W300_3 ;Commercial, Must confirm SWM	Raingage_1	J653	0.126	100	33.158	0.25	0
W300_4 ;Commercial, Must confirm SWM	Raingage_1	J655	0.0859	94	24.543	0.25	0
W300_5 ;Commercial, Must confirm SWM	Raingage_1	J651	0.1349	93	53.96	0.25	0
W300_6 ;Commercial, Must confirm SWM	Raingage_1	J652	0.1454	100	35.463	0.25	0
W300_8 ;Commercial	Raingage_1	J658	0.1853	90.522	47.513	0.25	0
W301	Raingage_1	J382	1.451128	38.932	145.113	0.25	0
W305 ;Connected to junction with U/S MH	Raingage_1	J446	2.086828	53.516	149.059	0.25	0
W307 ;Confirm Outlet with LiDar	Raingage_1	CB76_24	0.805025	46.848	138.797	0.25	0
W309	Raingage_1	DICB_2	2.579611	0.096	112.157	0.25	0
W31 ;Commercial, (confirm swm)	Raingage_1	CB1397_1438	1.065443	53.519	133.18	0.25	0
W310_1 ;Commercial, (confirm swm)	Raingage_1	J631	0.1752	98	35.755	0.25	0
W310_3 ;Commercial, (confirm swm)	Raingage_1	COMM_CB	0.7198	97	71.98	0.25	0
W310_4 ;Commercial, (confirm swm)	Raingage_1	J632	0.3275	93	32.75	0.25	0
W310_5 ;Commercial, (confirm swm)	Raingage_1	J635	1.0538	87.229	98.486	0.25	0
W310_6 ;Confirm SWM of funeral home	Raingage_1	J630	0.6395	100	77.988	0.25	0
W311	Raingage_1	J67	2.030925	64.417	203.092	0.25	0
W312 ;Delineated to the closest MH	Raingage_1	CB9698_9597	2.0528	28.482	277.405	0.25	0
W313	Raingage_1	J68	0.13424	68.497	30.509	0.25	0

W314	Raingage_1	J69	0.332475	84.476	51.949	0.25	0
;Delineated to the closest MH							
W316	Raingage_1	CB1087	2.4138	36.543	148.086	0.25	0
;Delineated to the closest MH							
W317_1	Raingage_1	J639	0.0897	93	14.016	0.25	0
;Delineated to the closest MH							
W317_2	Raingage_1	J641	0.179	89.868	33.148	0.25	0
;Delineated to the closest MH							
W317_3	Raingage_1	J643	0.2322	89.868	36.281	0.25	0
;Delineated to the closest MH							
W318	Raingage_1	COMM103	1.337617	28.69	143.83	0.25	0
;commercial area, confirm SWM							
W319	Raingage_1	STM1255	1.885107	84.042	200.543	0.25	0
;Assumed connection D/S							
W32_1	Raingage_1	J578	0.8308	49.332	127.815	0.25	0
;Assumed connection D/S							
W32_2	Raingage_1	J579	0.9342	49.332	89.827	0.25	0
W320	Raingage_1	CB1126_924	0.1329	88.195	20.446	0.25	0
W321	Raingage_1	CB926	0.1359	81.754	33.975	0.25	0
W325	Raingage_1	CB1078	0.161469	98.25	32.294	0.25	0
W326	Raingage_1	CB1074	0.226483	95.177	45.297	0.25	0
W327	Raingage_1	CB973_903	0.229188	94.641	45.838	0.25	0
W328	Raingage_1	COMM102	0.541866	61.018	108.373	0.25	0
W329	Raingage_1	CB965_663	0.275814	94.428	38.308	0.25	0
W33	Raingage_1	CB1395_1433	0.593277	54.02	111.939	0.25	0
;Delineated to the closest MH							
W330	Raingage_1	COMM109	0.9091	20.817	62.267	0.25	0
;Delineated to the closest MH							
W331_1	Raingage_1	STM1626	0.4788	56.768	42	0.25	0
;Delineated to the closest MH							
W331_3	Raingage_1	J637	0.2206	15	31.514	0.25	0
;Delineated to the closest MH							
W331_4	Raingage_1	COMM108	0.144	85	24	0.25	0
;Delineated to the closest MH							
W331_5	Raingage_1	J636	0.1907	15	27.243	0.25	0
;Delineated to the closest MH							
W331_6	Raingage_1	J638	0.1338	80	27.875	0.25	0
;Delineated to the closest MH							
W332	Raingage_1	STM1619	0.701081	0.562	47.37	0.25	0
;Delineated to the closest MH							
W333	Raingage_1	COMM107	0.892732	60.965	65.642	0.25	0
;Delineated to the closest MH							
W334	Raingage_1	COMM105	1.36139	55.24	100.844	0.25	0
;Delineated to the closest MH							
W335	Raingage_1	COMM106	0.996	46.173	88.929	0.25	0
;Update once 2017 imagery is provided							
W336	Raingage_1	STM_F6	0.182854	75.5	35.164	0.25	0
;Update once 2017 imagery is provided							
W336_1	Raingage_1	Auto_J	0.608258	35.6	46.789	0.25	0
;Update once 2017 imagery is provided							
W336_2	Raingage_1	STM_F3	0.0908	100	30.267	0.25	0
;Update once 2017 imagery is provided							
W336_4	Raingage_1	STM_F1	0.083398	95	26.062	0.25	0
;Update once 2017 imagery is provided							
W336_5	Raingage_1	STM_F2	0.066791	95	20.872	0.25	0
;Update once 2017 imagery is provided							
W336_6	Raingage_1	STM_F5	0.040369	95	26.913	0.25	0
;Update once 2017 imagery is provided							
W336_7	Raingage_1	STM_F7	0.102136	81.12	22.697	0.25	0
;Delineated to the closest MH							
W337	Raingage_1	COMM104	1.0167	27.543	132.039	0.25	0
;Delineated to the closest MH							
W338	Raingage_1	STM1247	0.419044	86.081	85.519	0.25	0
;Manning							

W339	Raingage_1	STM5675	9.059448	7.367	196.945	0.25	0
;to ETLD							
W340	Raingage_1	STM5695	10.197321	2.181	284.841	0.25	0
;Antaya Drain							
W341	Raingage_1	ANT-2	12.380587	1.432	317.451	0.25	0
;ETLD							
W342	Raingage_1	STM5687	11.455271	1.596	230.026	0.25	0
;ETLD							
W343	Raingage_1	BD-5	1.559953	6.359	185.709	0.25	0
;Baillargeon Drain							
W344	Raingage_1	BD-2	17.95482	0.13	332.497	0.25	0
;TO CYR DRAIN							
W345_1	Raingage_1	EX.CBMH	0.5994	3.089	58.765	0.25	0
;TO CYR DRAIN							
W345_2	Raingage_1	CYR_1	10.8965	3.089	1089.65	0.25	0
;TO ETLD							
W346	Raingage_1	STM3150	3.984732	100	398.473	0.25	0
;TO ETLD							
W347	Raingage_1	CB3386_3384	1.474427	11.25	100.988	0.25	0
;TO ETLD							
W348	Raingage_1	CB3388_3382	2.413889	7.182	165.335	0.25	0
;TO ETLD							
W349_1	Raingage_1	J239	9.8297	21.43	196.988	0.25	0
;TO ETLD							
W349_2	Raingage_1	J240	5.6962	21.43	114.152	0.25	0
;TO CYR							
W350_1	Raingage_1	CYR_6	1.5008	22.556	60.032	0.25	0
;TO CYR_CONTROLLED_TO_PRE							
W350_2	Raingage_1	CYR_5	1.3288	5	97.706	0.25	0
;to ETLD							
W351	Raingage_1	CULV4	2.621521	58.404	262.152	0.25	0
;to ETLD							
W352	Raingage_1	STM3150	3.984732	100	398.473	0.25	0
;to ETLD							
W353_2	Raingage_1	J684	6.8278	31.206	682.78	0.25	0
;to ETLD							
W353_3	Raingage_1	J683	3.2715	31.206	327.15	0.25	0
;to ETLD							
W353_4	Raingage_1	STM3144	0.5574	57.78	37.662	0.25	0
;Arlington and Cnty Rd 22							
W355	Raingage_1	CR22-1	4.142545	36.382	414.255	0.25	0
;railway check topo for drainage route							
W356	Raingage_1	STM3607	0.859583	0.042	85.958	0.25	0
;railway check LiDAR for drainage route							
W357	Raingage_1	RAIL-2	0.681884	0.11	68.188	0.25	0
;railway check LiDAR for drainage route							
W358	Raingage_1	J33689	0.613346	2.28	61.335	0.25	0
;storm sewer network-get as-builts & CHECK LiDAR							
W359	Raingage_1	STM239	1.1648	8.4	116.48	0.25	0
;storm sewer network-get as-builts & CHECK LiDAR							
W360	Raingage_1	STM237	0.3412	4.963	34.12	0.25	0
;storm sewer network-get as-builts & CHECK LiDAR							
W361	Raingage_1	STM6070	0.572227	3.336	57.223	0.25	0
W365_1	Raingage_1	J413	0.0623	95.779	17.8	0.25	0
W365_3	Raingage_1	J412	0.0722	95.779	22.562	0.25	0
W365_4	Raingage_1	J411	0.0762	95.779	23.812	0.25	0
W365_5	Raingage_1	CB658_887	0.0535	97	26.75	0.25	0
W366	Raingage_1	CB657_886	0.6811	61.919	84.086	0.25	0
W367	Raingage_1	CB950_885	0.3503	80.622	61.456	0.25	0
W373_2	Raingage_1	CB1220_1221	0.1307	62.94	32.675	0.25	0
W373_3	Raingage_1	CB1207_1208	0.0526	62.94	21.04	0.25	0
W373_5	Raingage_1	CB1287_1298	0.1728	62.94	31.418	0.25	0
W375	Raingage_1	CB1282_1281	0.554629	52.172	138.657	0.25	0
W376	Raingage_1	STM6060	0.75822	94.969	133.021	0.25	0

W377_2	Raingage_1	J645	0.3664	94.79	70.462	0.25	0
W377_3	Raingage_1	J644	0.0956	94.79	22.762	0.25	0
W377_4	Raingage_1	J650	0.1949	94.79	29.09	0.25	0
W377_5	Raingage_1	J647	0.0301	94.79	12.04	0.25	0
W377_6	Raingage_1	J646	0.0342	82	13.68	0.25	0
W378	Raingage_1	STM3597	0.6664	74.975	74.044	0.25	0
W379	Raingage_1	STM3590	1.233017	83.231	112.092	0.25	0
W380	Raingage_1	STM3589	1.090028	88.425	92.375	0.25	0
;NO SWM identified							
W382	Raingage_1	J266	0.722339	73.828	150.487	0.25	0
;railway check topo for drainage route							
W383	Raingage_1	CULV2	1.505304	1.07	150.53	0.25	0
;railway check topo for drainage route							
W384	Raingage_1	CULV1	2.731127	1.722	273.113	0.25	0
;check topo for drainage route							
W385	Raingage_1	J568	5.837555	18.867	583.756	0.25	0
;railway check topo for drainage route							
W386	Raingage_1	STM5194	1.260301	0.124	126.03	0.25	0
;Shawano Park outlet via 300mm							
W387	Raingage_1	J552	1.333674	15.229	75.349	0.25	0
W393	Raingage_1	J439	0.319789	60.106	47.73	0.25	0
W394	Raingage_1	J565	0.108701	51.978	18.742	0.25	0
;No pipe area delineated to closest MH							
W395	Raingage_1	J566	0.095129	46.16	19.026	0.25	0
W399	Raingage_1	CB82_27	0.393379	78.931	78.676	0.25	0
;Riverside							
W402	Raingage_1	J562	0.079683	46.058	20.432	0.25	0
;Riverside							
W403	Raingage_1	CB42	0.245273	49.159	62.891	0.25	0
;Riverside							
W406	Raingage_1	J590	1.3551	48.072	55.31	0.25	0
;Riverside							
W406_1	Raingage_1	J591	1.1899	48.072	102.578	0.25	0
;Riverside							
W406_2	Raingage_1	J589	0.5888	48.072	79.568	0.25	0
;Riverside							
W406_3	Raingage_1	J588	0.569	48.072	62.527	0.25	0
;Riverside							
W406_7	Raingage_1	J592	1.1505	48.072	82.77	0.25	0
;Riverside							
W406_8	Raingage_1	J593	1.1433	48.072	84.066	0.25	0
;Riverside							
W407_2	Raingage_1	J583	1.7759	40.265	87.916	0.25	0
;Riverside							
W407_3	Raingage_1	STM41	0.1206	40.265	5.97	0.25	0
;Riverside							
W407_4	Raingage_1	J582	1.1181	40.265	55.351	0.25	0
;Riverside							
W408_1	Raingage_1	J577	1.012	62.904	119.059	0.25	0
;Riverside							
W408_2	Raingage_1	J580	0.4829	62.904	56.151	0.25	0
;Riverside is this correct							
W409_1	Raingage_1	J596	1.5377	45.318	187.524	0.25	0
;Riverside is this correct							
W409_2	Raingage_1	J598	1.0023	45.318	200.46	0.25	0
;Riverside is this correct							
W409_3	Raingage_1	J597	0.7583	45.318	176.349	0.25	0
;Riverside is this correct							
W409_5	Raingage_1	J599	1.3379	45.318	122.743	0.25	0
;Riverside							
W410	Raingage_1	CB82_27	1.562941	36.586	190.603	0.25	0
;PS							
W411	Raingage_1	STM17	0.096946	76.119	12.272	0.25	0
W412_1	Raingage_1	J335	0.7734	51.604	87.886	0.25	0

W412_2	Raingage_1	J334	0.7947	51.604	137.017	0.25	0
W413	Raingage_1	CB1628_1629	0.489586	51.912	111.27	0.25	0
W414	Raingage_1	CB34_35	0.734365	47.474	124.469	0.25	0
W415	Raingage_1	CB36_86	1.004852	55.076	112.905	0.25	0
W417	Raingage_1	J438	0.110647	22.237	21.278	0.25	0
;Large section							
W42	Raingage_1	STM1412	1.332513	34.592	187.678	0.25	0
;Connected to junction with U/S MH							
W428	Raingage_1	CB343_144	0.7129	55.058	108.015	0.25	0
;Added homes to deliniation since short pipe							
W43_1	Raingage_1	J545	0.6678	54.752	102.738	0.25	0
;Added homes to deliniation since short pipe							
W43_2	Raingage_1	J544	0.3049	54.752	55.436	0.25	0
;Added homes to deliniation since short pipe							
W43_3	Raingage_1	CB822	0.6964	54.752	154.756	0.25	0
;Added homes to deliniation since short pipe							
W43_4	Raingage_1	J546	0.338	54.752	112.667	0.25	0
W436	Raingage_1	CB173_174	0.446031	61.556	61.1	0.25	0
W440	Raingage_1	CB412_413_366	0.55	57.915	54.455	0.25	0
W441	Raingage_1	CB113_114	0.725834	56.527	95.504	0.25	0
W442	Raingage_1	CB112_312	0.482114	58.914	100.44	0.25	0
W443	Raingage_1	CB110_111	1.067075	54.251	166.73	0.25	0
W444	Raingage_1	CB109_309	0.790285	58.754	101.319	0.25	0
W445	Raingage_1	CB131_333	0.828211	42.487	159.271	0.25	0
W453	Raingage_1	CB169	0.665522	59.51	109.102	0.25	0
W455	Raingage_1	CB169	0.1369	70.425	41.485	0.25	0
W458_1	Raingage_1	J386	0.0209	90.673	8.038	0.25	0
W458_2	Raingage_1	J387	0.022	90.673	8.462	0.25	0
W459	Raingage_1	CB4211	0.0746	84.982	13.087	0.25	0
W46_1	Raingage_1	CB711_710	0.5623	55.619	124.956	0.25	0
W46_2	Raingage_1	CB709_708	0.6646	55.619	147.689	0.25	0
W460	Raingage_1	CB227	0.064252	85.274	7.061	0.25	0
W461	Raingage_1	CB188_187	0.253285	54.042	93.809	0.25	0
W462_1	Raingage_1	CB592_196	0.3895	59.849	62.823	0.25	0
W462_2	Raingage_1	CB189_228	0.3577	59.849	57.694	0.25	0
W469	Raingage_1	CB452_451	0.221326	39.471	158.09	0.25	0
W47_2	Raingage_1	J507	1.2398	54.517	120.369	0.25	0
W47_3	Raingage_1	J506	1.8042	54.517	142.063	0.25	0
W47_4	Raingage_1	CB669_713	0.448	54.517	81.455	0.25	0
W475	Raingage_1	CB201_202	0.142	67.582	15.778	0.25	0
W476	Raingage_1	CB181_222	0.952687	46.569	103.553	0.25	0
W477	Raingage_1	CB219_218	1.19204	48.901	138.609	0.25	0
W478	Raingage_1	CB639_640	0.447816	52.839	86.118	0.25	0
W479	Raingage_1	CB632_633	0.7555	43.671	119.921	0.25	0
W480	Raingage_1	CB634_269	0.60566	33.882	134.591	0.25	0
W481	Raingage_1	CB637_635	1.04379	27.917	176.914	0.25	0
;Confirm sewer direction with asbuilts							
W482	Raingage_1	CB636_270	1.807963	36.259	215.234	0.25	0
W483	Raingage_1	CB238_239	1.229802	42.068	56.935	0.25	0
W484	Raingage_1	CB757_824	1.052281	61.592	116.92	0.25	0
W489	Raingage_1	CB1599_1501	0.515202	56.705	105.143	0.25	0
W49	Raingage_1	CB779_845	1.658	56.449	169.184	0.25	0
W490	Raingage_1	CB1605_1505	0.545746	52.747	111.377	0.25	0
W495	Raingage_1	CB1471_1566	0.980212	52.299	155.589	0.25	0
W498_1	Raingage_1	CB1475_1570	0.512	53.017	93.091	0.25	0
W498_2	Raingage_1	CB1474_1569	0.3779	53.017	83.978	0.25	0
W5_2	Raingage_1	J557	1.196	48.223	161.622	0.25	0
W5_3	Raingage_1	CB1591_1494	0.2313	48.223	42.055	0.25	0
W5_4	Raingage_1	J559	0.4595	48.223	106.86	0.25	0
W502	Raingage_1	CB1576_1479	0.321598	60.575	37.835	0.25	0
W508	Raingage_1	CB1579_1483	0.977872	58.746	184.504	0.25	0
W509	Raingage_1	CB1421_1462	0.332627	52.215	53.65	0.25	0
W51	Raingage_1	J478	1.914633	52.6	85.475	0.25	0
W510	Raingage_1	CB1464_1463	0.606744	52.825	87.934	0.25	0

W513	Raingage_1	CB1391_1394	0.9256	63.973	96.417	0.25	0
W514	Raingage_1	CB1396_1437	0.43862	55.266	60.085	0.25	0
W516_1	Raingage_1	CB767_838	0.8191	55.537	146.268	0.25	0
W52	Raingage_1	CB537_538	0.775057	52.499	100.657	0.25	0
W522_2	Raingage_1	CB546_449	0.5218	47.53	86.967	0.25	0
W525	Raingage_1	CB543_445	0.607379	53.486	79.918	0.25	0
W526	Raingage_1	CB4285_4286	0.628324	58.293	81.601	0.25	0
W527	Raingage_1	CB4287_4288	0.82544	58.423	113.074	0.25	0
W528	Raingage_1	CB4281_4296	0.6753	56.519	110.705	0.25	0
W529	Raingage_1	CB8337_8336	0.2781	48.859	67.829	0.25	0
W53	Raingage_1	J476	1.553156	54.812	94.131	0.25	0
W531	Raingage_1	CB726_725	0.4833	52.261	83.328	0.25	0
W532	Raingage_1	CB1586_1489	0.483039	46.424	105.008	0.25	0
W533	Raingage_1	CB1418_1457	0.287597	49.456	57.519	0.25	0
W534	Raingage_1	CB666_1467	0.79687	61.623	162.627	0.25	0
W535_1	Raingage_1	CB668_806	0.4811	49.529	102.362	0.25	0
W535_2	Raingage_1	CB667_712	0.7074	49.529	150.511	0.25	0
;Park inside of delinieation							
W536	Raingage_1	CB558_707	0.700689	44.226	145.977	0.25	0
W537	Raingage_1	CB1459	0.117497	75.766	15.666	0.25	0
W54	Raingage_1	J477	1.142175	58.997	73.689	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_1	Raingage_1	J462	0.3286	28.953	12.736	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_2	Raingage_1	J453	1.6705	7	64.748	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_3	Raingage_1	J452	0.583	28.953	22.597	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_4	Raingage_1	J461	0.4253	28.953	16.484	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_6	Raingage_1	J455	0.4565	28.953	17.694	0.25	0
W543	Raingage_1	CB2831_3092	0.549727	48.821	77.426	0.25	0
;Two pipes running parallel							
W544	Raingage_1	CB3088_2827	0.240816	59.44	65.085	0.25	0
W546	Raingage_1	CB2830_3091	0.583362	42.521	129.636	0.25	0
W55_1	Raingage_1	J474	1.0736	50.626	202.566	0.25	0
W55_2	Raingage_1	J472	0.6114	50.626	101.9	0.25	0
W55_3	Raingage_1	J473	1.2485	50.626	107.629	0.25	0
W55_5	Raingage_1	J475	0.9539	50.626	86.718	0.25	0
W551	Raingage_1	CB3135_2867	0.319701	49.751	72.659	0.25	0
W552	Raingage_1	CB2869_3137	0.895388	41.812	111.923	0.25	0
W553	Raingage_1	CB2858_3126	0.168434	61.018	35.837	0.25	0
;Look at MH Connection							
W554	Raingage_1	CB2839_3101	0.556154	46.62	92.692	0.25	0
W555	Raingage_1	CB2840_3105	0.570563	47.82	142.641	0.25	0
W556	Raingage_1	CB3109_2842	0.555574	49.039	126.267	0.25	0
W558	Raingage_1	CB1432	0.840384	56.629	80.806	0.25	0
W559	Raingage_1	CB1426_1427	0.586726	60.078	143.104	0.25	0
W56	Raingage_1	CB251_295	1.708441	51.649	147.279	0.25	0
W560_1	Raingage_1	J517	0.3167	49.515	59.755	0.25	0
W560_2	Raingage_1	J518	1.336	49.515	193.623	0.25	0
W560_3	Raingage_1	J519	0.6517	49.515	144.822	0.25	0
W560_5	Raingage_1	CB858_855	0.617	49.515	112.182	0.25	0
W561_1	Raingage_1	J520	0.667	52.515	148.222	0.25	0
W561_2	Raingage_1	J521	0.403	52.515	89.556	0.25	0
W562	Raingage_1	J531	0.2856	47.404	59.5	0.25	0
W565	Raingage_1	J451	0.8778	46.312	146.3	0.25	0
W567	Raingage_1	J401	0.168119	65.459	15.284	0.25	0
W569	Raingage_1	CB267_630	0.5847	47	102.579	0.25	0
;Added homes to deliniation since short pipe							
W57_1	Raingage_1	CB250_292	0.9542	59.618	56.797	0.25	0
;Added homes to deliniation since short pipe							
W57_2	Raingage_1	J469	0.8981	59.618	118.171	0.25	0
W573	Raingage_1	J362	0.6583	46.109	67.866	0.25	0

W575	Raingage_1	CB2769_2715	0.58583	57.879	130.184	0.25	0
W58_1	Raingage_1	J467	1.2412	53.341	93.323	0.25	0
W58_2	Raingage_1	J468	0.4555	53.341	91.1	0.25	0
W582_1	Raingage_1	CB2802_2741	0.1124	42.699	19.379	0.25	0
W583	Raingage_1	CB2757_2908	0.811769	50.099	162.354	0.25	0
W585	Raingage_1	CB1250	0.023596	63.524	16.854	0.25	0
W586	Raingage_1	CB1626_1519	0.569267	54.042	123.754	0.25	0
W587	Raingage_1	CB1539_1651	0.898665	48.294	132.157	0.25	0
W589	Raingage_1	CB1251	0.161975	43.298	36.812	0.25	0
W59_1	Raingage_1	J2136	1.0671	49.509	177.85	0.25	0
W59_2	Raingage_1	CB286_244	0.6428	49.509	116.873	0.25	0
W590	Raingage_1	CB4369_4370	0.782498	49.976	96.605	0.25	0
W591	Raingage_1	CB1014	0.265648	56.435	66.412	0.25	0
W594	Raingage_1	CB1250	0.1407	86.186	37.026	0.25	0
W596	Raingage_1	CB941_155	0.403027	35.865	111.952	0.25	0
W598	Raingage_1	CB3075_2817	0.980104	47.19	155.572	0.25	0
W599	Raingage_1	CB3078_2820	1.013986	57.563	138.902	0.25	0
W6	Raingage_1	CB1589_1492	0.864791	50.688	172.958	0.25	0
W600	Raingage_1	CB3095_2836	0.751655	47.205	170.831	0.25	0
W601	Raingage_1	CB3109_2842	0.454091	48.692	81.088	0.25	0
W602	Raingage_1	CB2839_3101	0.911042	31.436	96.919	0.25	0
;Ignored MH ruuning in the middle fot he pipe							
W603	Raingage_1	CB2906_2752	0.549899	43.566	152.75	0.25	0
W604_1	Raingage_1	CB2992_2926	0.6739	37.147	84.238	0.25	0
W604_2	Raingage_1	J171	0.6483	37.147	81.038	0.25	0
W605	Raingage_1	J172	1.158063	35.792	107.228	0.25	0
;Yellow Pipes REMOVED							
W607	Raingage_1	CB9595	1.3651	32.867	179.618	0.25	0
;Yellow Pipes REMOVED							
W608	Raingage_1	CB9589	0.301122	65.451	47.797	0.25	0
W61_1	Raingage_1	J390	0.2596	54.636	81.125	0.25	0
W61_3	Raingage_1	J389	0.7803	54.636	94.012	0.25	0
W61_4	Raingage_1	CB608_213	0.9431	54.636	136.681	0.25	0
W610_2	Raingage_1	J324	0.9598	60.551	111.605	0.25	0
W610_3	Raingage_1	J326	1.1794	60.551	132.517	0.25	0
W610_4	Raingage_1	J327	0.3189	60.551	70.867	0.25	0
;ASSUMED							
W612_1	Raingage_1	J369	1.0925	55.098	98.423	0.25	0
;ASSUMED							
W612_2	Raingage_1	J623	0.1316	80	21.933	0.25	0
W613_3	Raingage_1	J621	0.0777	80	25.9	0.25	0
W613_4	Raingage_1	J620	0.0761	80	25.367	0.25	0
W618	Raingage_1	J564	0.1082	49.42	30.914	0.25	0
W619	Raingage_1	CB9962	1.7302	39.282	119.324	0.25	0
W62_1	Raingage_1	J392	0.2474	60.788	61.85	0.25	0
W62_3	Raingage_1	J391	0.4646	60.788	89.346	0.25	0
W62_4	Raingage_1	CB275_644	1.0346	60.788	137.947	0.25	0
W620	Raingage_1	CB9959_9960	0.362043	49.2	82.282	0.25	0
W621	Raingage_1	CB1679_1842	2.450734	33.849	118.393	0.25	0
W622	Raingage_1	CB9605_9604	1.664197	29.467	134.209	0.25	0
W623	Raingage_1	CB9599	0.966072	37.651	178.902	0.25	0
W625	Raingage_1	J572	0.472411	48.938	109.863	0.25	0
;Confrim outlet with LiDar							
W626	Raingage_1	DICB_1	1.476325	0.241	85.833	0.25	0
W628	Raingage_1	CB1556_990	0.10909	56.974	60.606	0.25	0
W629	Raingage_1	CB1557	0.636328	55.413	155.202	0.25	0
W63_1	Raingage_1	J493	0.1059	75	42.36	0.25	0
W63_2	Raingage_1	J496	0.3926	53.607	87.244	0.25	0
W63_5	Raingage_1	J494	0.6934	53.607	115.567	0.25	0
W63_6	Raingage_1	J74	0.6932	53.607	106.646	0.25	0
W631	Raingage_1	CB4373	0.711334	52.054	118.556	0.25	0
;Area to be reconstructed?							
W632_1	Raingage_1	Mason_CB	2.1213	43.834	105.537	0.25	0
;Area to be reconstructed?							

W632_2	Raingage_1	CB850	0.9016	43.834	73.902	0.25	0
;Area to be reconstructed?							
W633	Raingage_1	J4842	2.549484	41.214	103.638	0.25	0
;?							
W634	Raingage_1	CB2996_2935	1.7891	41.548	205.644	0.25	0
;Commercial, Outlet via 200mm dia. (confirm swm)							
W635	Raingage_1	CB_COMM3	0.375893	96.165	50.119	0.25	0
;Commercial, Outlet via 200mm dia. (confirm swm)							
W636_1	Raingage_1	CB_COMM1	1.0782	95.409	89.85	0.25	0
;Commercial, Outlet via 200mm dia. (confirm swm)							
W636_2	Raingage_1	CB_COMM2	0.8482	95.409	70.683	0.25	0
W638	Raingage_1	J307	0.784484	59.44	62.261	0.25	0
W639_2	Raingage_1	J312	0.36	74.14	44.444	0.25	0
W639_3	Raingage_1	CB1738_1039	0.0978	48.726	8.083	0.25	0
W639_4	Raingage_1	J311	0.4856	22.24	40.133	0.25	0
;Ignored 600 pipe							
W64_1	Raingage_1	J394	0.2543	55.19	84.767	0.25	0
;Ignored 600 pipe							
W64_2	Raingage_1	CB629_4226	0.3155	55.19	90.143	0.25	0
;Ignored 600 pipe							
W64_3	Raingage_1	J395	0.2442	55.19	97.68	0.25	0
;Ignored 600 pipe							
W64_5	Raingage_1	J396	0.4393	55.19	69.73	0.25	0
;Manning							
W642	Raingage_1	STM5678	3.043853	11.399	131.201	0.25	0
;ETLD							
W643	Raingage_1	STM5691	7.72753	1.31	177.644	0.25	0
;ETLD							
W644	Raingage_1	STM5689	6.009627	1.015	127.323	0.25	0
;ETLD							
W645	Raingage_1	STM5686	9.874867	1.47	180.858	0.25	0
;ETLD							
W646	Raingage_1	STM3151	1.6696	17.686	160.538	0.25	0
;TO CYR DRAIN							
W647	Raingage_1	CYR_4	4.6279	50.034	462.79	0.25	0
;TO ETLD							
W648	Raingage_1	J241	1.425806	71.345	150.085	0.25	0
W649_1	Raingage_1	CB1446_1406	0.6845	42.595	122.232	0.25	0
W649_2	Raingage_1	CB1405_4238	0.6508	42.595	116.214	0.25	0
W65_1	Raingage_1	CB551_552	1.1139	56.497	141	0.25	0
W65_2	Raingage_1	J499	0.9682	56.497	161.367	0.25	0
W65_3	Raingage_1	J500	0.5615	56.497	93.583	0.25	0
W65_5	Raingage_1	J497	0.6682	56.497	111.367	0.25	0
W650_1	Raingage_1	J2180	0.4623	42.293	25.348	0.25	0
W650_10	Raingage_1	CB438_525	1.4792	42.293	114.667	0.25	0
W650_11	Raingage_1	J498	0.1221	100	22.611	0.25	0
W650_12	Raingage_1	CB_LAC1	0.8233	42.293	32.77	0.25	0
W650_13	Raingage_1	J36	0.2044	42.293	14.743	0.25	0
W650_15	Raingage_1	J2236	0.1978	42.293	12.796	0.25	0
W650_16	Raingage_1	J2233	1.4026	42.293	149.151	0.25	0
W650_17	Raingage_1	J2149	0.1989	42.293	25.348	0.25	0
W650_18	Raingage_1	J64	0.3209	42.293	25.348	0.25	0
W650_2	Raingage_1	J28	0.5254	42.293	14.743	0.25	0
W650_3	Raingage_1	J490	0.4876	42.293	81.267	0.25	0
W650_4	Raingage_1	J491	0.4005	42.293	89	0.25	0
W650_5	Raingage_1	CB_LAC1	0.7989	42.293	32.77	0.25	0
W650_6	Raingage_1	J2151	0.2726	42.293	25.348	0.25	0
W650_7	Raingage_1	J2253	0.4356	42.293	12.796	0.25	0
W650_8	Raingage_1	J2226	0.8646	42.293	149.151	0.25	0
W651_1	Raingage_1	J449	0.6408	51.251	114.429	0.25	0
W651_2	Raingage_1	J447	1.7304	51.251	161.72	0.25	0
W652	Raingage_1	J450	0.459952	44.42	55.416	0.25	0
;to ETLD							
W653	Raingage_1	STM3147	3.827094	1.747	126.725	0.25	0

W75_3	Raingage_1	J613	0.103	92	15.846	0.25	0
;AV Graham Public School							
W75_4	Raingage_1	J501	4.1423	10	263.841	0.25	0
W8_2	Raingage_1	J550	0.7557	53.369	137.4	0.25	0
W80_1	Raingage_1	J400	0.5224	45.672	88.542	0.25	0
W80_2	Raingage_1	J406	0.869	45.672	86.04	0.25	0
W80_3	Raingage_1	J399	0.1717	45.672	57.233	0.25	0
W80_5	Raingage_1	J398	0.4206	45.672	131.438	0.25	0
W81	Raingage_1	CB718_719	1.351759	50.427	135.176	0.25	0
W82	Raingage_1	CB723_724	1.152381	53.006	164.626	0.25	0
W85	Raingage_1	CB758_825	0.133946	69.247	23.094	0.25	0
W88	Raingage_1	CB180_221	1.45337	35.046	238.257	0.25	0
W89	Raingage_1	CB271_638	0.530745	58.177	87.007	0.25	0
W9_1	Raingage_1	CB1575_1574	1.8199	50.796	162.491	0.25	0
W9_2	Raingage_1	J549	1.1171	50.796	186.183	0.25	0
W90	Raingage_1	CB741_738	1.239305	27.699	165.241	0.25	0
;Confirm sewer direction with asbuilts							
W91	Raingage_1	CB191_237	2.360903	48.347	284.446	0.25	0
;Confirm sewer direction with asbuilts							
W92	Raingage_1	J397	2.2779	50.368	120.524	0.25	0
W94	Raingage_1	CB4292_4291	0.4282	54.72	87.388	0.25	0
W95	Raingage_1	CB854_853	0.695992	58.628	173.998	0.25	0
W96	Raingage_1	CB115_317	0.815131	57.333	113.213	0.25	0
W97	Raingage_1	CB116_318	0.457413	55.341	70.371	0.25	0
WPR4_1	Raingage_1	CB1587_1490	0.0697	55.217	23.233	0.25	0
WPR4_2	Raingage_1	J558	1.5061	55.217	167.344	0.25	0

[SUBAREAS]

;;Subcatchment	N-Imperv	N-Perv	S-Imperv	S-Perv	PctZero	RouteTo	PctRouted
;;-----	-----	-----	-----	-----	-----	-----	-----
BG_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
BG_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E100	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E101	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E102_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E102_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E102_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E102_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E102_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E102_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E102_8	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E103_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E103_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E103_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E104	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E105	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E106	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E107	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E108	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E109_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E109_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E110_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E110_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E112_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E114	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E118	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E119	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E120	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E122	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E123_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20

E123_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E124	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E126_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E127_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E127_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E129_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E129_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E13	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E130	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E131_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E131_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E131_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E131_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E132	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E139_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E139_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E139_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E14	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E141_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E141_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E141_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E141_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E141_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E141_8	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E146	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E147	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E148	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E149_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E149_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E15	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E150_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E150_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E150_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E150_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E151	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E152	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E154	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E157	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E158	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E159_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E16	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E160	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E161	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E162	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E163	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E164	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E165_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E165_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E165_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E165_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E165_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E165_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E167	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E168	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E169	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E17	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E170_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E170_10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E170_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E170_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E170_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E170_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E170_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E170_8	0.014	0.35	1.57	4.67	25	PERVIOUS	20

S10_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S10_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S10_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S100	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S101	0.014	0.35	1.57	4.67	25	OUTLET	
S102	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S102_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S102_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103	0.014	0.35	1.57	4.67	25	OUTLET	
S103_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S104	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S105	0.014	0.35	1.57	4.67	25	PERVIOUS	100
S106	0.014	0.35	1.57	4.67	25	OUTLET	
S107	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S108	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S109	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S11_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S110	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S111	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S112	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S113	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S114	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S115	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S13	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S14	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S14_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S14_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S15	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S16	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S17	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S18	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S19	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S20	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S21	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S21_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S21_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S21_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S21_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S21_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S22	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S23	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S24	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S25	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S26	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S26_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S26_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S26_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S27	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S28	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S28_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S28_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S28_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S29	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S30	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S31	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S32	0.014	0.35	1.57	4.67	25	PERVIOUS	20

S33	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S34	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S35	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S35_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S35_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S35_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S35_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S36	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_8	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S37_9	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S38	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S38_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S38_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S38_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S38_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S39	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S4_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S4_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S4_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S4_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S40	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S41	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S42	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S43	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S44	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S45	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S46	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S46_1	0.014	0.35	1.57	4.67	25	OUTLET	
S46_2	0.014	0.35	1.57	4.67	25	OUTLET	
S46_3	0.014	0.35	1.57	4.67	25	OUTLET	
S46_4	0.014	0.35	1.57	4.67	25	OUTLET	
S46_5	0.014	0.35	1.57	4.67	25	OUTLET	
S46_6	0.014	0.35	1.57	4.67	25	OUTLET	
S46_8	0.014	0.35	1.57	4.67	25	OUTLET	
S47	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S47_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S47_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S47_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S47_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S47_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S48	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S49	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S5_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S5_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S5_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S5_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S50	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S50_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S50_10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S50_11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S50_12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S50_13	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S50_14	0.014	0.35	1.57	4.67	25	PERVIOUS	20

S78	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S79	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S79_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S79_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S79_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S8	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S80	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S80_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S80_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S80_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S80_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S80_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S80_8	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S80_9	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S81	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S82	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S83	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S84	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S85	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S85_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S85_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S86	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S87	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S88	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S89	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S9	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S90	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S91	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S92	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S93	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S94	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S95	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S96	0.014	0.35	1.57	4.67	25	PERVIOUS	100
S97	0.014	0.35	1.57	4.67	25	OUTLET	
S98	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S99	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S99_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S99_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S99_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
TEC_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
TEC_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
TEC_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W1_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W1_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W1_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W101	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W102	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W103	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W104_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W104_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W107	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W108_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W108_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W11_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W11_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W116_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W116_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W121_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W121_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W124	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W125	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W126	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W127	0.014	0.35	1.57	4.67	25	PERVIOUS	20

W129	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W13	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W130	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W131	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W132	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W133	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W138	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W139	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W14	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W140	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W143	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W144	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W145_1	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W145_2	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W146	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W147_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W147_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W148_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W148_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W149_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W149_4	0.014	0.35	1.57	4.67	25	PERVIOUS	60
W149_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W15	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W150_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W152_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W153_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W154_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W154_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W154_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W157	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W16	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W167_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W167_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W168	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W169_8	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W17_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W17_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W172	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W173	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W174	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W175_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W175_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W175_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W175_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W176_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W176_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W177	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W178	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W179_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W179_10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W179_11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W179_12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W179_13	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W179_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20

W508	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W509	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W51	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W510	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W513	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W514	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W516_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W52	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W522_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W525	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W526	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W527	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W528	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W529	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W53	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W531	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W532	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W533	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W534	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W535_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W535_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W536	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W537	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W54	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W542_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W542_2	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W542_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W542_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W542_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W543	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W544	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W546	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W55_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W55_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W55_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W55_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W551	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W552	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W553	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W554	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W555	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W556	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W558	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W559	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W56	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W560_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W560_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W560_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W560_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W561_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W561_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W562	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W565	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W567	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W569	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W57_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W57_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W573	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W575	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W58_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W58_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W582_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W583	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W585	0.014	0.35	1.57	4.67	25	PERVIOUS	20

W642	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W643	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W644	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W645	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W646	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W647	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W648	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W649_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W649_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W65_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W65_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W65_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W65_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_13	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_15	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_16	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_17	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_18	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_8	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W651_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W651_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W652	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W653	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W654	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W655	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W656	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W657	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W658	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W659	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W660_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W660_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W661_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W661_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W662	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W662_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W662_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W668_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W668_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W669	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W67	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W670	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W672	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W673	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W68	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W68_1	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W68_2	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W68_3	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W68_7	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W69_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W69_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W73	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W73_1	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W73_2	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W73_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20

W73_4	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W74_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W74_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W75_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W75_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W75_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W8_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W80_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W80_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W80_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W80_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W81	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W82	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W85	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W88	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W89	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W9_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W9_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W90	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W91	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W92	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W94	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W95	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W96	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W97	0.014	0.35	1.57	4.67	25	PERVIOUS	20
WPR4_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
WPR4_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20

[INFILTRATION]

;;Subcatchment	CurveNum	HydCon	DryTime
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BG_1	85	0.5	7
BG_2	85	0.5	7
E1	85	0.5	7
E10	85	0.5	7
E100	85	0.5	7
E101	85	0.5	7
E102_1	85	0.5	7
E102_2	85	0.5	7
E102_3	85	0.5	7
E102_5	85	0.5	7
E102_6	85	0.5	7
E102_7	85	0.5	7
E102_8	85	0.5	7
E103_2	85	0.5	7
E103_3	85	0.5	7
E103_4	85	0.5	7
E104	85	0.5	7
E105	85	0.5	7
E106	85	0.5	7
E107	85	0.5	7
E108	85	0.5	7
E109_1	85	0.5	7
E109_2	85	0.5	7
E11	85	0.5	7
E110_1	85	0.5	7
E110_2	85	0.5	7
E112_3	85	0.5	7
E114	85	0.5	7
E118	85	0.5	7
E119	85	0.5	7
E12	85	0.5	7
E120	85	0.5	7
E122	85	0.5	7

E123_1	85	0.5	7
E123_2	85	0.5	7
E124	85	0.5	7
E126_1	85	0.5	7
E127_1	85	0.5	7
E127_2	85	0.5	7
E129_1	85	0.5	7
E129_2	85	0.5	7
E13	85	0.5	7
E130	85	0.5	7
E131_1	85	0.5	7
E131_2	85	0.5	7
E131_3	85	0.5	7
E131_5	85	0.5	7
E132	85	0.5	7
E139_1	85	0.5	7
E139_2	85	0.5	7
E139_5	85	0.5	7
E14	85	0.5	7
E141_2	85	0.5	4
E141_3	85	0.5	4
E141_4	85	0.5	4
E141_6	85	0.5	4
E141_7	85	0.5	4
E141_8	85	0.5	4
E146	85	0.5	7
E147	85	0.5	7
E148	85	0.5	7
E149_1	85	0.5	7
E149_2	85	0.5	7
E15	85	0.5	7
E150_1	85	0.5	7
E150_2	85	0.5	7
E150_4	85	0.5	7
E150_5	85	0.5	7
E151	85	0.5	7
E152	85	0.5	7
E154	85	0.5	7
E157	85	0.5	7
E158	85	0.5	7
E159_1	85	0.5	7
E16	85	0.5	7
E160	85	0.5	7
E161	85	0.5	7
E162	85	0.5	7
E163	85	0.5	7
E164	85	0.5	7
E165_1	85	0.5	4
E165_2	85	0.5	4
E165_4	85	0.5	4
E165_5	85	0.5	4
E165_6	85	0.5	4
E165_7	85	0.5	4
E167	85	0.5	7
E168	85	0.5	7
E169	85	0.5	7
E17	85	0.5	7
E170_1	85	0.5	7
E170_10	85	0.5	7
E170_2	85	0.5	7
E170_4	85	0.5	7
E170_5	85	0.5	7
E170_6	85	0.5	7
E170_7	85	0.5	7

E170_8	85	0.5	7
E170_9	85	0.5	7
E171_1	85	0.5	7
E171_2	85	0.5	7
E171_3	85	0.5	7
E171_4	85	0.5	7
E171_6	85	0.5	7
E172_2	85	0.5	7
E172_3	85	0.5	7
E172_4	85	0.5	7
E173_2	85	0.5	7
E173_3	85	0.5	7
E173_4	85	0.5	7
E174	85	0.5	7
E175_1	85	0.5	7
E175_2	85	0.5	7
E176_1	85	0.5	7
E176_3	85	0.5	7
E176_4	85	0.5	7
E176_5	85	0.5	7
E177_1	85	0.5	7
E177_2	85	0.5	7
E18	85	0.5	7
E181_2	85	0.5	7
E182	85	0.5	7
E183	85	0.5	7
E183_3	85	0.5	7
E183_4	85	0.5	7
E183_5	85	0.5	7
E183_7	85	0.5	7
E183_8	85	0.5	7
E184	85	0.5	7
E186	85	0.5	7
E189	85	0.5	7
E19	85	0.5	7
E191	85	0.5	7
E193_1	85	0.5	7
E195	85	0.5	7
E197	85	0.5	7
E199	85	0.5	7
E2_1	85	0.5	7
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W24_2	85	0.5	7
W241	85	0.5	7
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W246	85	0.5	7
W247	85	0.5	7
W248	85	0.5	7
W249	85	0.5	7
W25_1	85	0.5	7
W25_2	85	0.5	7
W25_4	85	0.5	7
W25_5	85	0.5	7
W250	85	0.5	7
W251_1	85	0.5	7
W251_3	85	0.5	7
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W263	85	0.5	7
W264	85	0.5	7
W265	85	0.5	7
W266	85	0.5	7
W267	85	0.5	7
W268	85	0.5	7
W27	85	0.5	7
W270_2	85	0.5	7
W271_2	85	0.5	7
W272	85	0.5	7
W273	85	0.5	7
W274	85	0.5	7
W275_1	85	0.5	7
W275_2	85	0.5	7
W276	85	0.5	7
W277	85	0.5	7
W278_2	85	0.5	7
W279	85	0.5	7

W28	85	0.5	7
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W281_1	85	0.5	7
W281_2	85	0.5	7
W283	85	0.5	7
W284	85	0.5	7
W285_3	85	0.5	7
W285_4	85	0.5	7
W285_5	85	0.5	7
W286	85	0.5	7
W287	85	0.5	7
W288_4	85	0.5	7
W288_5	85	0.5	7
W289	85	0.5	7
W29	85	0.5	7
W290	85	0.5	7
W290_1	85	0.5	7
W290_10	85	0.5	7
W290_11	85	0.5	7
W290_2	85	0.5	7
W290_5	85	0.5	7
W290_6	85	0.5	7
W290_8	85	0.5	7
W290_9	85	0.5	7
W291_1	85	0.5	7
W291_2	85	0.5	7
W291_3	85	0.5	7
W291_4	85	0.5	7
W291_5	85	0.5	7
W291_7	85	0.5	7
W291_8	85	0.5	7
W291_9	85	0.5	7
W292	85	0.5	7
W292_2	85	0.5	7
W293_1	85	0.5	7
W293_11	85	0.5	7
W293_2	85	0.5	7
W293_3	85	0.5	7
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W293_5	85	0.5	7
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W293_8	85	0.5	7
W293_9	85	0.5	7
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W295	85	0.5	7
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W297_2	85	0.5	7
W298_1	85	0.5	7
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W299_17	85	0.5	7
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W299_21	85	0.5	7
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W300_2	85	0.5	7
W300_3	85	0.5	7
W300_4	85	0.5	7
W300_5	85	0.5	7
W300_6	85	0.5	7
W300_8	85	0.5	7
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W31	85	0.5	7
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W310_3	85	0.5	7
W310_4	85	0.5	7
W310_5	85	0.5	7
W310_6	85	0.5	7
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W317_2	85	0.5	7
W317_3	85	0.5	7
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W32_2	85	0.5	7
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W331_3	85	0.5	7
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W336	85	0.5	7
W336_1	85	0.5	7
W336_2	85	0.5	7
W336_4	85	0.5	7
W336_5	85	0.5	7
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W344	85	0.5	7
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W345_2	85	0.5	7
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W347	85	0.5	7
W348	85	0.5	7
W349_1	85	0.5	7
W349_2	85	0.5	7
W350_1	85	0.5	7
W350_2	85	0.5	7
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W352	85	0.5	7
W353_2	85	0.5	7
W353_3	85	0.5	7
W353_4	85	0.5	7
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W365_3	85	0.5	7
W365_4	85	0.5	7
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W367	85	0.5	7
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W373_3	85	0.5	7
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W406_2	85	0.5	7
W406_3	85	0.5	7
W406_7	85	0.5	7
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W407_3	85	0.5	7
W407_4	85	0.5	7
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W409_2	85	0.5	7
W409_3	85	0.5	7
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W458_2	85	0.5	7
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W46_2	85	0.5	7
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W462_1	85	0.5	7
W462_2	85	0.5	7
W469	85	0.5	7
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W5_4	85	0.5	7

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W535_2	85	0.5	7
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W546	85	0.5	7
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W560_3	85	0.5	7
W560_5	85	0.5	7
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W561_2	85	0.5	7
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W57_2	85	0.5	7
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W575	85	0.5	7
W58_1	85	0.5	7
W58_2	85	0.5	7
W582_1	85	0.5	7
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W585	85	0.5	7
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W59_2	85	0.5	7
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W605	85	0.5	7
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W61_3	85	0.5	7
W61_4	85	0.5	7
W610_2	85	0.5	7
W610_3	85	0.5	7
W610_4	85	0.5	7
W612_1	85	0.5	7
W612_2	85	0.5	7
W613_3	85	0.5	7
W613_4	85	0.5	7
W618	85	0.5	7
W619	85	0.5	7
W62_1	85	0.5	7
W62_3	85	0.5	7
W62_4	85	0.5	7
W620	85	0.5	7
W621	85	0.5	7
W622	85	0.5	7
W623	85	0.5	7
W625	85	0.5	7
W626	85	0.5	7
W628	85	0.5	7
W629	85	0.5	7
W63_1	85	0.5	7
W63_2	85	0.5	7
W63_5	85	0.5	7
W63_6	85	0.5	7
W631	85	0.5	7
W632_1	85	0.5	7
W632_2	85	0.5	7
W633	85	0.5	7
W634	85	0.5	7
W635	85	0.5	7
W636_1	85	0.5	7
W636_2	85	0.5	7
W638	85	0.5	7
W639_2	85	0.5	7
W639_3	85	0.5	7
W639_4	85	0.5	7
W64_1	85	0.5	7
W64_2	85	0.5	7
W64_3	85	0.5	7

W64_5	85	0.5	7
W642	85	0.5	7
W643	85	0.5	7
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W646	85	0.5	7
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W648	85	0.5	7
W649_1	85	0.5	7
W649_2	85	0.5	7
W65_1	85	0.5	7
W65_2	85	0.5	7
W65_3	85	0.5	7
W65_5	85	0.5	7
W650_1	85	0.5	7
W650_10	85	0.5	7
W650_11	85	0.5	7
W650_12	85	0.5	7
W650_13	85	0.5	7
W650_15	85	0.5	7
W650_16	85	0.5	7
W650_17	85	0.5	7
W650_18	85	0.5	7
W650_2	85	0.5	7
W650_3	85	0.5	7
W650_4	85	0.5	7
W650_5	85	0.5	7
W650_6	85	0.5	7
W650_7	85	0.5	7
W650_8	85	0.5	7
W651_1	85	0.5	7
W651_2	85	0.5	7
W652	85	0.5	7
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W660_1	85	0.5	7
W660_2	85	0.5	7
W661_1	85	0.5	7
W661_2	85	0.5	7
W662	85	0.5	7
W662_1	85	0.5	7
W662_3	85	0.5	7
W668_1	85	0.5	7
W668_2	85	0.5	7
W669	85	0.5	7
W67	85	0.5	7
W670	85	0.5	7
W672	85	0.5	7
W673	85	0.5	7
W68	85	0.5	7
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W68_2	85	0.5	7
W68_3	85	0.5	7
W68_7	85	0.5	7
W69_1	85	0.5	7
W69_2	85	0.5	7
W73	85	0.5	7
W73_1	85	0.5	7
W73_2	85	0.5	7

W73_3	85	0.5	7
W73_4	85	0.5	7
W74_1	85	0.5	7
W74_2	85	0.5	7
W75_2	85	0.5	7
W75_3	85	0.5	7
W75_4	85	0.5	7
W8_2	85	0.5	7
W80_1	85	0.5	7
W80_2	85	0.5	7
W80_3	85	0.5	7
W80_5	85	0.5	7
W81	85	0.5	7
W82	85	0.5	7
W85	85	0.5	7
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W9_1	85	0.5	7
W9_2	85	0.5	7
W90	85	0.5	7
W91	85	0.5	7
W92	85	0.5	7
W94	85	0.5	7
W95	85	0.5	7
W96	85	0.5	7
W97	85	0.5	7
WPR4_1	85	0.5	7
WPR4_2	85	0.5	7

[JUNCTIONS]

;;	Invert	Max.	Init.	Surcharge	Ponded
;;Name	Elev.	Depth	Depth	Depth	Area
;;-----	-----	-----	-----	-----	-----
;Outlet via culvet crossing to ETLD					
200Manning_STM	174.817	1.4	0	30	0
;review					
ANT-1	182.27	0.81	0	1	0
;review					
ANT-2	181.49	0.55	0	1	0
Auto_J	176.968	1.4	0	30	0
BD-0	179.88	1.86	0	1	0
BD-1	179.82	2.12	0	1	0
BD-2	179.43	1.26	0	1	0
BD-3	179.55	1.16	0	1	0
BD-4	179.52	0.95	0	1	0
BD-4B	178.88	1.59	0	1	0

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Too many junction entities (67413 in total).

[OUTFALLS]

;;	Invert	Outfall	Stage/Table	Tide
;;Name	Elev.	Type	Time Series	Gate Route To
;;-----	-----	-----	-----	-----
BRIGHTON_PS_OUTFALL	173.358	NORMAL		NO
EST_L_OUT	175	FREE		NO
J55	170.231	NORMAL		NO
J56	169.7	NORMAL		NO
J59	170.688	NORMAL		NO
J62	174.07	NORMAL		NO
J698	175	NORMAL		NO
J699	171.3	NORMAL		NO
J700	171.3	NORMAL		NO
MEI_LIN_OUT	174.602	FIXED	176.39	NO
OF1	177	FREE		NO

OF10	176.286	NORMAL	NO
OF100	181.955	NORMAL	NO
OF1000	180.419	NORMAL	NO
OF1001	178.226	NORMAL	NO
OF1002	178.501	NORMAL	NO
OF1003	178.068	NORMAL	NO
OF1004	178.26	NORMAL	NO
OF1005	178.156	NORMAL	NO
OF1006	178.232	NORMAL	NO
OF1007	178.228	NORMAL	NO
OF1008	178.173	NORMAL	NO
OF1009	178.098	NORMAL	NO
OF101	183.655	NORMAL	NO
OF1010	178.096	NORMAL	NO
OF1011	178.192	NORMAL	NO
OF1012	178.116	NORMAL	NO
OF1013	178.1	NORMAL	NO
OF1014	178.121	NORMAL	NO
OF1015	178.003	NORMAL	NO
OF1016	177.899	NORMAL	NO
OF1017	177.674	NORMAL	NO
OF1018	177.732	NORMAL	NO
OF1019	177.513	NORMAL	NO
OF102	183.697	NORMAL	NO
OF1020	177.448	NORMAL	NO
OF1021	177.728	NORMAL	NO
OF1022	176.932	NORMAL	NO
OF1023	176.709	NORMAL	NO
OF1024	175.731	NORMAL	NO
OF1025	177.375	NORMAL	NO
OF1026	177.359	NORMAL	NO
OF1027	177.088	NORMAL	NO
OF1028	177.635	NORMAL	NO
OF1029	177.288	NORMAL	NO
OF103	183.837	NORMAL	NO
OF1030	177.505	NORMAL	NO
OF1031	177.198	NORMAL	NO
OF1032	177.366	NORMAL	NO
OF1033	177.366	NORMAL	NO
OF1034	177.367	NORMAL	NO
OF1035	176.192	NORMAL	NO
OF1036	176.302	NORMAL	NO
OF1037	177.044	NORMAL	NO
OF1038	177.568	NORMAL	NO
OF1039	177.667	NORMAL	NO
OF104	183.586	NORMAL	NO
OF1040	177.57	NORMAL	NO
OF1041	177.474	NORMAL	NO
OF1042	177.204	NORMAL	NO
OF1043	177.41	NORMAL	NO
OF1044	177.31	NORMAL	NO
OF1045	177.324	NORMAL	NO
OF1046	177.154	NORMAL	NO
OF1047	177.22	NORMAL	NO
OF1048	176.885	NORMAL	NO
OF1049	176.892	NORMAL	NO
OF105	181.791	NORMAL	NO
OF1050	176.322	NORMAL	NO
OF1051	176.413	NORMAL	NO
OF1052	176.164	NORMAL	NO
OF1053	176.445	NORMAL	NO
OF1054	175.711	NORMAL	NO
OF1055	176.442	NORMAL	NO
OF1056	176.166	NORMAL	NO

OF1057	176.5	NORMAL	NO
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OF1094	176.342	NORMAL	NO
OF1095	176.247	NORMAL	NO
OF1096	176.365	NORMAL	NO
OF1097	176.458	NORMAL	NO
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OF1103	176.465	NORMAL	NO
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OF1105	176.658	NORMAL	NO
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OF1109	176.31	NORMAL	NO
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OF1111	176.648	NORMAL	NO
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OF1116	176.404	NORMAL	NO
OF1117	176.653	NORMAL	NO
OF1118	176.835	NORMAL	NO
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OF1122	175.896	NORMAL	NO
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OF1134	176.402	NORMAL	NO
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OF1136	175.932	NORMAL	NO
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OF1145	180.622	NORMAL	NO
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OF1159	177.836	NORMAL	NO
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OF1169	176.939	NORMAL	NO
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OF1171	176.863	NORMAL	NO

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OF1176	176.93	NORMAL	NO
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OF1188	176.351	NORMAL	NO
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OF1209	176.17	NORMAL	NO
OF121	183.758	NORMAL	NO
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OF1458	176.705	NORMAL	NO
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OF146	183.802	NORMAL	NO

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OF1463	176.61	NORMAL	NO
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OF1514	177.259	NORMAL	NO
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OF1571	176.51	NORMAL	NO
OF1572	176.383	NORMAL	NO
OF1573	176.607	NORMAL	NO
OF1574	176.015	NORMAL	NO
OF1575	176.054	NORMAL	NO

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OF1577	176.122	NORMAL	NO
OF1578	175.587	NORMAL	NO
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OF158	181.477	NORMAL	NO
OF1580	176.348	NORMAL	NO
OF1581	176.587	NORMAL	NO
OF1582	176.297	NORMAL	NO
OF1583	176.54	NORMAL	NO
OF1584	176.209	NORMAL	NO
OF1585	176.308	NORMAL	NO
OF1586	176.493	NORMAL	NO
OF1587	177.148	NORMAL	NO
OF1588	176.437	NORMAL	NO
OF1589	176.089	NORMAL	NO
OF159	183.413	NORMAL	NO
OF1590	176.699	NORMAL	NO
OF1591	176.76	NORMAL	NO
OF1592	176.717	NORMAL	NO
OF1593	175.885	NORMAL	NO
OF1594	176.426	NORMAL	NO
OF1595	176.657	NORMAL	NO
OF1596	176.359	NORMAL	NO
OF1597	176.252	NORMAL	NO
OF1598	176.63	NORMAL	NO
OF1599	176.327	NORMAL	NO
OF16	182.76	NORMAL	NO
OF160	183.505	NORMAL	NO
OF1600	176.209	NORMAL	NO
OF1601	177.39	NORMAL	NO
OF1602	175.445	NORMAL	NO
OF1603	176.679	NORMAL	NO
OF1604	176.962	NORMAL	NO
OF1605	176.558	NORMAL	NO
OF1606	176.44	NORMAL	NO
OF1607	177.659	NORMAL	NO
OF1608	177.708	NORMAL	NO
OF1609	177.581	NORMAL	NO
OF161	181.464	NORMAL	NO
OF1610	177.522	NORMAL	NO
OF1611	177.085	NORMAL	NO
OF1612	176.806	NORMAL	NO
OF1613	176.495	NORMAL	NO
OF1614	177.432	NORMAL	NO
OF1615	176.791	NORMAL	NO
OF1616	176.957	NORMAL	NO
OF1617	177.267	NORMAL	NO
OF1618	175.988	NORMAL	NO
OF1619	176.208	NORMAL	NO
OF162	181.496	NORMAL	NO
OF1620	176.414	NORMAL	NO
OF1621	177.175	NORMAL	NO
OF1622	177.22	NORMAL	NO
OF1623	177.203	NORMAL	NO
OF1624	177.307	NORMAL	NO
OF1625	177.175	NORMAL	NO
OF1626	176.967	NORMAL	NO
OF1627	176.976	NORMAL	NO
OF1628	175.676	NORMAL	NO
OF1629	175.434	NORMAL	NO
OF163	183.491	NORMAL	NO
OF1630	175.609	NORMAL	NO
OF1631	177.277	NORMAL	NO
OF1632	176.229	NORMAL	NO

OF1633	176.436	NORMAL	NO
OF1634	176.111	NORMAL	NO
OF1635	175.851	NORMAL	NO
OF1636	175.695	NORMAL	NO
OF1637	175.669	NORMAL	NO
OF1638	176.22	NORMAL	NO
OF1639	176.171	NORMAL	NO
OF164	183.33	NORMAL	NO
OF1640	176.092	NORMAL	NO
OF1641	175.572	NORMAL	NO
OF1642	175.601	NORMAL	NO
OF1643	176.487	NORMAL	NO
OF1644	176.471	NORMAL	NO
OF1645	176.758	NORMAL	NO
OF1646	176.543	NORMAL	NO
OF1647	176.439	NORMAL	NO
OF1648	177.137	NORMAL	NO
OF1649	176.512	NORMAL	NO
OF165	181.463	NORMAL	NO
OF1650	176.544	NORMAL	NO
OF1651	175.813	NORMAL	NO
OF1652	175.904	NORMAL	NO
OF1653	176.563	NORMAL	NO
OF1654	176.484	NORMAL	NO
OF1655	176.389	NORMAL	NO
OF1656	176.135	NORMAL	NO
OF1657	176.519	NORMAL	NO
OF1658	176.376	NORMAL	NO
OF1659	176.518	NORMAL	NO
OF166	183.444	NORMAL	NO
OF1660	176.727	NORMAL	NO
OF1661	177.914	NORMAL	NO
OF1662	176.289	NORMAL	NO
OF1663	175.846	NORMAL	NO
OF1664	176.545	NORMAL	NO
OF1665	176.68	NORMAL	NO
OF167	183.58	NORMAL	NO
OF168	183.672	NORMAL	NO
OF169	181.47	NORMAL	NO
OF17	182.679	NORMAL	NO
OF170	181.492	NORMAL	NO
OF171	183.488	NORMAL	NO
OF172	183.616	NORMAL	NO
OF173	181.503	NORMAL	NO
OF174	183.791	NORMAL	NO
OF175	181.553	NORMAL	NO
OF176	183.807	NORMAL	NO
OF177	183.773	NORMAL	NO
OF178	181.485	NORMAL	NO
OF179	183.724	NORMAL	NO
OF18	182.655	NORMAL	NO
OF180	181.459	NORMAL	NO
OF181	183.752	NORMAL	NO
OF182	181.331	NORMAL	NO
OF183	183.917	NORMAL	NO
OF184	181.325	NORMAL	NO
OF185	183.774	NORMAL	NO
OF186	183.7	NORMAL	NO
OF187	181.297	NORMAL	NO
OF188	183.768	NORMAL	NO
OF189	183.884	NORMAL	NO
OF19	183.017	NORMAL	NO
OF190	181.248	NORMAL	NO
OF191	181.255	NORMAL	NO

OF192	183.933	NORMAL	NO
OF193	181.243	NORMAL	NO
OF194	183.982	NORMAL	NO
OF195	183.891	NORMAL	NO
OF196	181.26	NORMAL	NO
OF197	181.237	NORMAL	NO
OF198	184.108	NORMAL	NO
OF199	181.234	NORMAL	NO

;Dummy Outfall

;PS outlet connected to 1500mm outlet pipe from screw pump

OF2	174.243	NORMAL	NO
OF20	182.519	NORMAL	NO
OF200	184.011	NORMAL	NO
OF201	183.89	NORMAL	NO
OF202	181.25	NORMAL	NO
OF203	183.947	NORMAL	NO
OF204	183.892	NORMAL	NO
OF205	181.394	NORMAL	NO
OF206	183.888	NORMAL	NO
OF207	181.373	NORMAL	NO
OF208	183.969	NORMAL	NO
OF209	183.873	NORMAL	NO
OF21	182.042	NORMAL	NO
OF210	181.39	NORMAL	NO
OF211	181.858	NORMAL	NO
OF212	183.85	NORMAL	NO
OF213	182.211	NORMAL	NO
OF214	183.96	NORMAL	NO
OF215	182.504	NORMAL	NO
OF216	183.808	NORMAL	NO
OF217	183.808	NORMAL	NO
OF218	183.831	NORMAL	NO
OF219	181.888	NORMAL	NO
OF22	182.228	NORMAL	NO
OF220	181.625	NORMAL	NO
OF221	183.747	NORMAL	NO
OF222	183.701	NORMAL	NO
OF223	181.505	NORMAL	NO
OF224	181.385	NORMAL	NO
OF225	183.809	NORMAL	NO
OF226	183.791	NORMAL	NO
OF227	182.443	NORMAL	NO
OF228	181.524	NORMAL	NO
OF229	183.85	NORMAL	NO
OF23	182.542	NORMAL	NO
OF230	183.846	NORMAL	NO
OF231	183.855	NORMAL	NO
OF232	181.225	NORMAL	NO
OF233	183.699	NORMAL	NO
OF234	181.269	NORMAL	NO
OF235	181.284	NORMAL	NO
OF236	183.803	NORMAL	NO
OF237	184.172	NORMAL	NO
OF238	181.242	NORMAL	NO
OF239	181.318	NORMAL	NO
OF24	182.198	NORMAL	NO
OF240	183.793	NORMAL	NO
OF241	184.701	NORMAL	NO
OF242	181.361	NORMAL	NO
OF243	181.487	NORMAL	NO
OF244	184.073	NORMAL	NO
OF245	181.722	NORMAL	NO
OF246	182.213	NORMAL	NO
OF247	183.948	NORMAL	NO

OF248	183.584	NORMAL	NO
OF249	183.503	NORMAL	NO
OF25	182.77	NORMAL	NO
OF250	184.149	NORMAL	NO
OF251	181.685	NORMAL	NO
OF252	181.842	NORMAL	NO
OF253	183.99	NORMAL	NO
OF254	183.708	NORMAL	NO
OF255	181.712	NORMAL	NO
OF256	182.123	NORMAL	NO
OF257	183.587	NORMAL	NO
OF258	183.834	NORMAL	NO
OF259	182.157	NORMAL	NO
OF26	182.64	NORMAL	NO
OF260	181.371	NORMAL	NO
OF261	183.613	NORMAL	NO
OF262	183.515	NORMAL	NO
OF263	183.907	NORMAL	NO
OF264	180.958	NORMAL	NO
OF265	183.95	NORMAL	NO
OF266	183.364	NORMAL	NO
OF267	183.635	NORMAL	NO
OF268	181.439	NORMAL	NO
OF269	183.497	NORMAL	NO
OF27	183.252	NORMAL	NO
OF270	181.283	NORMAL	NO
OF271	183.18	NORMAL	NO
OF272	181.446	NORMAL	NO
OF273	182.165	NORMAL	NO
OF274	183.585	NORMAL	NO
OF275	183.369	NORMAL	NO
OF276	183.209	NORMAL	NO
OF277	181.598	NORMAL	NO
OF278	183.607	NORMAL	NO
OF279	183.357	NORMAL	NO
OF28	183.267	NORMAL	NO
OF280	181.217	NORMAL	NO
OF281	183.332	NORMAL	NO
OF282	183.442	NORMAL	NO
OF283	180.686	NORMAL	NO
OF284	180.776	NORMAL	NO
OF285	183.275	NORMAL	NO
OF286	183.448	NORMAL	NO
OF287	180.692	NORMAL	NO
OF288	183.297	NORMAL	NO
OF289	180.81	NORMAL	NO
OF29	182.141	NORMAL	NO
OF290	183.24	NORMAL	NO
OF291	181.177	NORMAL	NO
OF292	181.85	NORMAL	NO
OF293	183.616	NORMAL	NO
OF294	183.349	NORMAL	NO
OF295	183.428	NORMAL	NO
OF296	180.926	NORMAL	NO
OF297	180.574	NORMAL	NO
OF298	183.777	NORMAL	NO
OF299	183.567	NORMAL	NO
OF3	176.555	FIXED	NO
OF30	182.823	NORMAL	NO
OF300	180.533	NORMAL	NO
OF301	180.572	NORMAL	NO
OF302	183.953	NORMAL	NO
OF303	180.502	NORMAL	NO
OF304	183.449	NORMAL	NO

OF305	184.147	NORMAL	NO
OF306	180.46	NORMAL	NO
OF307	183.923	NORMAL	NO
OF308	180.564	NORMAL	NO
OF309	183.877	NORMAL	NO
OF31	183.116	NORMAL	NO
OF310	180.466	NORMAL	NO
OF311	183.689	NORMAL	NO
OF312	180.495	NORMAL	NO
OF313	183.692	NORMAL	NO
OF314	183.764	NORMAL	NO
OF315	180.532	NORMAL	NO
OF316	183.644	NORMAL	NO
OF317	180.429	NORMAL	NO
OF318	183.729	NORMAL	NO
OF319	180.922	NORMAL	NO
OF32	182.669	NORMAL	NO
OF320	183.739	NORMAL	NO
OF321	180.875	NORMAL	NO
OF322	183.629	NORMAL	NO
OF323	180.395	NORMAL	NO
OF324	183.613	NORMAL	NO
OF325	180.601	NORMAL	NO
OF326	180.386	NORMAL	NO
OF327	183.514	NORMAL	NO
OF328	180.533	NORMAL	NO
OF329	183.875	NORMAL	NO
OF33	182.374	NORMAL	NO
OF330	183.391	NORMAL	NO
OF331	180.72	NORMAL	NO
OF332	183.724	NORMAL	NO
OF333	183.348	NORMAL	NO
OF334	180.81	NORMAL	NO
OF335	183.583	NORMAL	NO
OF336	183.579	NORMAL	NO
OF337	180.679	NORMAL	NO
OF338	180.746	NORMAL	NO
OF339	183.261	NORMAL	NO
OF34	182.723	NORMAL	NO
OF340	183.545	NORMAL	NO
OF341	180.57	NORMAL	NO
OF342	183.42	NORMAL	NO
OF343	183.474	NORMAL	NO
OF344	180.173	NORMAL	NO
OF345	183.695	NORMAL	NO
OF346	180.189	NORMAL	NO
OF347	183.242	NORMAL	NO
OF348	183.241	NORMAL	NO
OF349	180.203	NORMAL	NO
OF35	182.83	NORMAL	NO
OF350	182.771	NORMAL	NO
OF351	182.949	NORMAL	NO
OF352	183.176	NORMAL	NO
OF353	180.464	NORMAL	NO
OF354	182.986	NORMAL	NO
OF355	183.138	NORMAL	NO
OF356	180.244	NORMAL	NO
OF357	180.25	NORMAL	NO
OF358	182.964	NORMAL	NO
OF359	183.218	NORMAL	NO
OF36	182.654	NORMAL	NO
OF360	180.144	NORMAL	NO
OF361	180.078	NORMAL	NO
OF362	182.911	NORMAL	NO

OF363	182.935	NORMAL	NO
OF364	183.16	NORMAL	NO
OF365	182.785	NORMAL	NO
OF366	183.112	NORMAL	NO
OF367	184.239	NORMAL	NO
OF368	182.895	NORMAL	NO
OF369	183.078	NORMAL	NO
OF37	182.69	NORMAL	NO
OF370	180.245	NORMAL	NO
OF371	183.448	NORMAL	NO
OF372	183.025	NORMAL	NO
OF373	183.224	NORMAL	NO
OF374	179.914	NORMAL	NO
OF375	183.385	NORMAL	NO
OF376	183.154	NORMAL	NO
OF377	183.128	NORMAL	NO
OF378	183.158	NORMAL	NO
OF379	183.058	NORMAL	NO
OF38	182.186	NORMAL	NO
OF380	183.007	NORMAL	NO
OF381	179.844	NORMAL	NO
OF382	183.038	NORMAL	NO
OF383	182.921	NORMAL	NO
OF384	183.057	NORMAL	NO
OF385	179.786	NORMAL	NO
OF386	183.135	NORMAL	NO
OF387	183.202	NORMAL	NO
OF388	179.554	NORMAL	NO
OF389	183.421	NORMAL	NO
OF39	182.543	NORMAL	NO
OF390	183.503	NORMAL	NO
OF391	183.33	NORMAL	NO
OF392	179.507	NORMAL	NO
OF393	179.487	NORMAL	NO
OF394	183.31	NORMAL	NO
OF395	183.402	NORMAL	NO
OF396	179.429	NORMAL	NO
OF397	183.303	NORMAL	NO
OF398	179.46	NORMAL	NO
OF399	183.481	NORMAL	NO
OF4	176.5	FREE	NO
OF40	183.324	NORMAL	NO
OF400	183.513	NORMAL	NO
OF401	179.303	NORMAL	NO
OF402	183.575	NORMAL	NO
OF403	180.039	NORMAL	NO
OF404	183.538	NORMAL	NO
OF405	183.583	NORMAL	NO
OF406	179.21	NORMAL	NO
OF407	183.523	NORMAL	NO
OF408	179.215	NORMAL	NO
OF409	183.469	NORMAL	NO
OF41	182.744	NORMAL	NO
OF410	183.433	NORMAL	NO
OF411	183.399	NORMAL	NO
OF412	183.298	NORMAL	NO
OF413	179.667	NORMAL	NO
OF414	183.516	NORMAL	NO
OF415	183.433	NORMAL	NO
OF416	179.426	NORMAL	NO
OF417	183.321	NORMAL	NO
OF418	179.776	NORMAL	NO
OF419	183.366	NORMAL	NO
OF42	183.414	NORMAL	NO

OF420	183.545	NORMAL	NO
OF421	179.489	NORMAL	NO
OF422	183.376	NORMAL	NO
OF423	183.278	NORMAL	NO
OF424	179.117	NORMAL	NO
OF425	183.504	NORMAL	NO
OF426	183.413	NORMAL	NO
OF427	179.238	NORMAL	NO
OF428	183.368	NORMAL	NO
OF429	183.495	NORMAL	NO
OF43	182.494	NORMAL	NO
OF430	183.378	NORMAL	NO
OF431	179.105	NORMAL	NO
OF432	183.584	NORMAL	NO
OF433	183.324	NORMAL	NO
OF434	179.124	NORMAL	NO
OF435	183.225	NORMAL	NO
OF436	179.087	NORMAL	NO
OF437	183.253	NORMAL	NO
OF438	179.063	NORMAL	NO
OF439	178.761	NORMAL	NO
OF44	182.363	NORMAL	NO
OF440	183.352	NORMAL	NO
OF441	178.683	NORMAL	NO
OF442	184.09	NORMAL	NO
OF443	178.769	NORMAL	NO
OF444	183.504	NORMAL	NO
OF445	184.06	NORMAL	NO
OF446	183.26	NORMAL	NO
OF447	183.332	NORMAL	NO
OF448	183.592	NORMAL	NO
OF449	183.186	NORMAL	NO
OF45	182.77	NORMAL	NO
OF450	179.638	NORMAL	NO
OF451	184.028	NORMAL	NO
OF452	182.911	NORMAL	NO
OF453	183.181	NORMAL	NO
OF454	183.702	NORMAL	NO
OF455	183.039	NORMAL	NO
OF456	183.21	NORMAL	NO
OF457	183.599	NORMAL	NO
OF458	183.529	NORMAL	NO
OF459	183.248	NORMAL	NO
OF46	183.231	NORMAL	NO
OF460	184.164	NORMAL	NO
OF461	180.24	NORMAL	NO
OF462	183.297	NORMAL	NO
OF463	182.957	NORMAL	NO
OF464	182.69	NORMAL	NO
OF465	184.33	NORMAL	NO
OF466	179.055	NORMAL	NO
OF467	183.316	NORMAL	NO
OF468	183.508	NORMAL	NO
OF469	183.315	NORMAL	NO
OF47	183.402	NORMAL	NO
OF470	183.188	NORMAL	NO
OF471	184.134	NORMAL	NO
OF472	183.498	NORMAL	NO
OF473	178.731	NORMAL	NO
OF474	183.775	NORMAL	NO
OF475	178.436	NORMAL	NO
OF476	183.613	NORMAL	NO
OF477	183.541	NORMAL	NO
OF478	183.453	NORMAL	NO

OF479	184.111	NORMAL	NO
OF48	182.659	NORMAL	NO
OF480	183.658	NORMAL	NO
OF481	183.153	NORMAL	NO
OF482	183.51	NORMAL	NO
OF483	178.217	NORMAL	NO
OF484	183.482	NORMAL	NO
OF485	183.503	NORMAL	NO
OF486	183.903	NORMAL	NO
OF487	183.644	NORMAL	NO
OF488	183.332	NORMAL	NO
OF489	183.579	NORMAL	NO
OF49	182.697	NORMAL	NO
OF490	183.766	NORMAL	NO
OF491	183.323	NORMAL	NO
OF492	184.225	NORMAL	NO
OF493	183.878	NORMAL	NO
OF494	183.232	NORMAL	NO
OF495	178.097	NORMAL	NO
OF496	183.921	NORMAL	NO
OF497	184.035	NORMAL	NO
OF498	184.302	NORMAL	NO
OF499	183.767	NORMAL	NO
OF5	174.243	NORMAL	NO
OF50	183.062	NORMAL	NO
OF500	183.889	NORMAL	NO
OF501	184.432	NORMAL	NO
OF502	184.537	NORMAL	NO
OF503	184.415	NORMAL	NO
OF504	184.377	NORMAL	NO
OF505	184.143	NORMAL	NO
OF506	182.266	NORMAL	NO
OF507	178.118	NORMAL	NO
OF508	184.02	NORMAL	NO
OF509	183.768	NORMAL	NO
OF51	182.906	NORMAL	NO
OF510	184.114	NORMAL	NO
OF511	184.416	NORMAL	NO
OF512	184.247	NORMAL	NO
OF513	184.436	NORMAL	NO
OF514	184.352	NORMAL	NO
OF515	182.646	NORMAL	NO
OF516	178.195	NORMAL	NO
OF517	178.1	NORMAL	NO
OF518	177.989	NORMAL	NO
OF519	182.044	NORMAL	NO
OF52	183.225	NORMAL	NO
OF520	178.339	NORMAL	NO
OF521	178.068	NORMAL	NO
OF522	181.792	NORMAL	NO
OF523	181.866	NORMAL	NO
OF524	178.294	NORMAL	NO
OF525	181.175	NORMAL	NO
OF526	181.327	NORMAL	NO
OF527	181.332	NORMAL	NO
OF528	178.496	NORMAL	NO
OF529	180.958	NORMAL	NO
OF53	183.212	NORMAL	NO
OF530	180.974	NORMAL	NO
OF531	181.182	NORMAL	NO
OF532	178.635	NORMAL	NO
OF533	180.684	NORMAL	NO
OF534	178.529	NORMAL	NO
OF535	177.151	NORMAL	NO

OF536	179.213	NORMAL	NO
OF537	177.182	NORMAL	NO
OF538	176.958	NORMAL	NO
OF539	176.975	NORMAL	NO
OF54	183.018	NORMAL	NO
OF540	180.359	NORMAL	NO
OF541	177.063	NORMAL	NO
OF542	177.4	NORMAL	NO
OF543	178.689	NORMAL	NO
OF544	177.275	NORMAL	NO
OF545	177.429	NORMAL	NO
OF546	178.434	NORMAL	NO
OF547	177.55	NORMAL	NO
OF548	177.58	NORMAL	NO
OF549	177.529	NORMAL	NO
OF55	182.974	NORMAL	NO
OF550	176.84	NORMAL	NO
OF551	180.197	NORMAL	NO
OF552	177.737	NORMAL	NO
OF553	177.794	NORMAL	NO
OF554	177.873	NORMAL	NO
OF555	177.937	NORMAL	NO
OF556	177.903	NORMAL	NO
OF557	177.962	NORMAL	NO
OF558	177.905	NORMAL	NO
OF559	180.14	NORMAL	NO
OF56	182.796	NORMAL	NO
OF560	177.888	NORMAL	NO
OF561	176.986	NORMAL	NO
OF562	178.332	NORMAL	NO
OF563	177.811	NORMAL	NO
OF564	177.909	NORMAL	NO
OF565	178.023	NORMAL	NO
OF566	177.91	NORMAL	NO
OF567	177.839	NORMAL	NO
OF568	177.727	NORMAL	NO
OF569	177.96	NORMAL	NO
OF57	182.599	NORMAL	NO
OF570	177.751	NORMAL	NO
OF571	178.016	NORMAL	NO
OF572	178.018	NORMAL	NO
OF573	178.409	NORMAL	NO
OF574	178.125	NORMAL	NO
OF575	178.182	NORMAL	NO
OF576	176.587	NORMAL	NO
OF577	180.039	NORMAL	NO
OF578	178.425	NORMAL	NO
OF579	177.692	NORMAL	NO
OF58	182.578	NORMAL	NO
OF580	178.103	NORMAL	NO
OF581	177.64	NORMAL	NO
OF582	177.591	NORMAL	NO
OF583	178.55	NORMAL	NO
OF584	177.997	NORMAL	NO
OF585	177.817	NORMAL	NO
OF586	177.668	NORMAL	NO
OF587	176.662	NORMAL	NO
OF588	177.632	NORMAL	NO
OF589	177.958	NORMAL	NO
OF59	182.703	NORMAL	NO
OF590	176.621	NORMAL	NO
OF591	178.671	NORMAL	NO
OF592	178.266	NORMAL	NO
OF593	179.957	NORMAL	NO

OF594	177.779	NORMAL	NO
OF595	177.667	NORMAL	NO
OF596	178.063	NORMAL	NO
OF597	177.571	NORMAL	NO
OF598	177.748	NORMAL	NO
OF599	177.818	NORMAL	NO
OF6	174.08	NORMAL	NO
OF60	183.099	NORMAL	NO
OF600	178.075	NORMAL	NO
OF601	178.029	NORMAL	NO
OF602	177.742	NORMAL	NO
OF603	177.586	NORMAL	NO
OF604	177.565	NORMAL	NO
OF605	177.372	NORMAL	NO
OF606	177.469	NORMAL	NO
OF607	177.614	NORMAL	NO
OF608	177.549	NORMAL	NO
OF609	179.78	NORMAL	NO
OF61	182.268	NORMAL	NO
OF610	177.92	NORMAL	NO
OF611	177.621	NORMAL	NO
OF612	177.622	NORMAL	NO
OF613	177.537	NORMAL	NO
OF614	177.595	NORMAL	NO
OF615	177.591	NORMAL	NO
OF616	176.3	NORMAL	NO
OF617	177.706	NORMAL	NO
OF618	179.779	NORMAL	NO
OF619	177.851	NORMAL	NO
OF62	183.12	NORMAL	NO
OF620	177.574	NORMAL	NO
OF621	177.726	NORMAL	NO
OF622	177.661	NORMAL	NO
OF623	177.798	NORMAL	NO
OF624	177.88	NORMAL	NO
OF625	177.795	NORMAL	NO
OF626	177.656	NORMAL	NO
OF627	179.831	NORMAL	NO
OF628	178.032	NORMAL	NO
OF629	177.742	NORMAL	NO
OF63	183.225	NORMAL	NO
OF630	177.893	NORMAL	NO
OF631	177.778	NORMAL	NO
OF632	176.183	NORMAL	NO
OF633	178.266	NORMAL	NO
OF634	177.684	NORMAL	NO
OF635	176.263	NORMAL	NO
OF636	176.296	NORMAL	NO
OF637	179.842	NORMAL	NO
OF638	177.841	NORMAL	NO
OF639	177.83	NORMAL	NO
OF64	183.172	NORMAL	NO
OF640	177.573	NORMAL	NO
OF641	177.566	NORMAL	NO
OF642	179.609	NORMAL	NO
OF643	175.945	NORMAL	NO
OF644	179.723	NORMAL	NO
OF645	177.755	NORMAL	NO
OF646	177.716	NORMAL	NO
OF647	177.586	NORMAL	NO
OF648	178.243	NORMAL	NO
OF649	177.769	NORMAL	NO
OF65	183.077	NORMAL	NO
OF650	177.844	NORMAL	NO

OF651	178.434	NORMAL	NO
OF652	177.922	NORMAL	NO
OF653	175.997	NORMAL	NO
OF654	177.96	NORMAL	NO
OF655	177.832	NORMAL	NO
OF656	177.799	NORMAL	NO
OF657	179.744	NORMAL	NO
OF658	177.708	NORMAL	NO
OF659	177.959	NORMAL	NO
OF66	182.767	NORMAL	NO
OF660	178.017	NORMAL	NO
OF661	176.625	NORMAL	NO
OF662	177.982	NORMAL	NO
OF663	177.785	NORMAL	NO
OF664	176.555	NORMAL	NO
OF665	178.47	NORMAL	NO
OF666	179.657	NORMAL	NO
OF667	177.31	NORMAL	NO
OF668	177.318	NORMAL	NO
OF669	177.463	NORMAL	NO
OF67	182.674	NORMAL	NO
OF670	177.76	NORMAL	NO
OF671	177.849	NORMAL	NO
OF672	177.562	NORMAL	NO
OF673	179.598	NORMAL	NO
OF674	177.439	NORMAL	NO
OF675	177.224	NORMAL	NO
OF676	177.144	NORMAL	NO
OF677	177.302	NORMAL	NO
OF678	177.117	NORMAL	NO
OF679	177.18	NORMAL	NO
OF68	182.957	NORMAL	NO
OF680	177.749	NORMAL	NO
OF681	179.643	NORMAL	NO
OF682	177.8	NORMAL	NO
OF683	176.073	NORMAL	NO
OF684	177.902	NORMAL	NO
OF685	177.497	NORMAL	NO
OF686	177.285	NORMAL	NO
OF687	177.783	NORMAL	NO
OF688	177.926	NORMAL	NO
OF689	177.934	NORMAL	NO
OF69	182.792	NORMAL	NO
OF690	177.923	NORMAL	NO
OF691	176.017	NORMAL	NO
OF692	177.883	NORMAL	NO
OF693	177.948	NORMAL	NO
OF694	177.632	NORMAL	NO
OF695	177.977	NORMAL	NO
OF696	178.037	NORMAL	NO
OF697	179.66	NORMAL	NO
OF698	177.218	NORMAL	NO
OF699	177.952	NORMAL	NO
OF7	174.08	NORMAL	NO
OF70	182.676	NORMAL	NO
OF700	177.795	NORMAL	NO
OF701	179.626	NORMAL	NO
OF702	177.468	NORMAL	NO
OF703	177.323	NORMAL	NO
OF704	178.819	NORMAL	NO
OF705	179.013	NORMAL	NO
OF706	178.89	NORMAL	NO
OF707	178.788	NORMAL	NO
OF708	178.788	NORMAL	NO

OF709	178.674	NORMAL	NO
OF71	182.499	NORMAL	NO
OF710	178.581	NORMAL	NO
OF711	178.605	NORMAL	NO
OF712	178.381	NORMAL	NO
OF713	178.418	NORMAL	NO
OF714	178.095	NORMAL	NO
OF715	178.05	NORMAL	NO
OF716	177.808	NORMAL	NO
OF717	177.575	NORMAL	NO
OF718	178.287	NORMAL	NO
OF719	178.335	NORMAL	NO
OF72	182.766	NORMAL	NO
OF720	182.678	NORMAL	NO
OF721	182.58	NORMAL	NO
OF722	182.385	NORMAL	NO
OF723	182.702	NORMAL	NO
OF724	182.392	NORMAL	NO
OF725	182.799	NORMAL	NO
OF726	182.531	NORMAL	NO
OF727	182.962	NORMAL	NO
OF728	182.215	NORMAL	NO
OF729	182.202	NORMAL	NO
OF73	183.625	NORMAL	NO
OF730	182.159	NORMAL	NO
OF731	182.169	NORMAL	NO
OF732	182.135	NORMAL	NO
OF733	182.122	NORMAL	NO
OF734	181.962	NORMAL	NO
OF735	181.855	NORMAL	NO
OF736	183.597	NORMAL	NO
OF737	183.861	NORMAL	NO
OF738	181.586	NORMAL	NO
OF739	181.706	NORMAL	NO
OF74	182.533	NORMAL	NO
OF740	183.49	NORMAL	NO
OF741	181.512	NORMAL	NO
OF742	181.469	NORMAL	NO
OF743	183.504	NORMAL	NO
OF744	181.463	NORMAL	NO
OF745	181.452	NORMAL	NO
OF746	181.546	NORMAL	NO
OF747	181.311	NORMAL	NO
OF748	181.192	NORMAL	NO
OF749	181.345	NORMAL	NO
OF75	183.651	NORMAL	NO
OF750	182.582	NORMAL	NO
OF751	181.854	NORMAL	NO
OF752	182.051	NORMAL	NO
OF753	181.336	NORMAL	NO
OF754	181.535	NORMAL	NO
OF755	181.413	NORMAL	NO
OF756	181.39	NORMAL	NO
OF757	181.167	NORMAL	NO
OF758	183.217	NORMAL	NO
OF759	180.775	NORMAL	NO
OF76	183.701	NORMAL	NO
OF760	181.615	NORMAL	NO
OF761	180.545	NORMAL	NO
OF762	180.49	NORMAL	NO
OF763	180.576	NORMAL	NO
OF764	180.461	NORMAL	NO
OF765	184.03	NORMAL	NO
OF766	180.698	NORMAL	NO

OF767	180.453	NORMAL	NO
OF768	180.418	NORMAL	NO
OF769	180.398	NORMAL	NO
OF77	182.759	NORMAL	NO
OF770	180.309	NORMAL	NO
OF771	180.636	NORMAL	NO
OF772	180.87	NORMAL	NO
OF773	180.754	NORMAL	NO
OF774	180.732	NORMAL	NO
OF775	180.332	NORMAL	NO
OF776	180.218	NORMAL	NO
OF777	180.223	NORMAL	NO
OF778	180.195	NORMAL	NO
OF779	180.431	NORMAL	NO
OF78	183.692	NORMAL	NO
OF780	183.234	NORMAL	NO
OF781	180.263	NORMAL	NO
OF782	180.254	NORMAL	NO
OF783	180.192	NORMAL	NO
OF784	183.337	NORMAL	NO
OF785	183.409	NORMAL	NO
OF786	180.066	NORMAL	NO
OF787	180.398	NORMAL	NO
OF788	180.497	NORMAL	NO
OF789	180.349	NORMAL	NO
OF79	182.716	NORMAL	NO
OF790	180.128	NORMAL	NO
OF791	180.04	NORMAL	NO
OF792	180.352	NORMAL	NO
OF793	179.878	NORMAL	NO
OF794	179.856	NORMAL	NO
OF795	179.842	NORMAL	NO
OF796	183.312	NORMAL	NO
OF797	179.827	NORMAL	NO
OF798	179.809	NORMAL	NO
OF799	179.828	NORMAL	NO
OF8	170.231	NORMAL	NO
OF80	183.543	NORMAL	NO
OF800	183.216	NORMAL	NO
OF801	179.697	NORMAL	NO
OF802	179.597	NORMAL	NO
OF803	179.573	NORMAL	NO
OF804	183.579	NORMAL	NO
OF805	179.526	NORMAL	NO
OF806	179.495	NORMAL	NO
OF807	179.539	NORMAL	NO
OF808	179.485	NORMAL	NO
OF809	179.405	NORMAL	NO
OF81	183.594	NORMAL	NO
OF810	183.314	NORMAL	NO
OF811	183.702	NORMAL	NO
OF812	179.364	NORMAL	NO
OF813	179.922	NORMAL	NO
OF814	179.998	NORMAL	NO
OF815	183.729	NORMAL	NO
OF816	179.227	NORMAL	NO
OF817	179.178	NORMAL	NO
OF818	183.561	NORMAL	NO
OF819	179.143	NORMAL	NO
OF82	182.634	NORMAL	NO
OF820	183.458	NORMAL	NO
OF821	179.998	NORMAL	NO
OF822	179.761	NORMAL	NO
OF823	183.305	NORMAL	NO

OF824	179.395	NORMAL	NO
OF825	183.427	NORMAL	NO
OF826	179.943	NORMAL	NO
OF827	179.615	NORMAL	NO
OF828	179.366	NORMAL	NO
OF829	179.353	NORMAL	NO
OF83	182.241	NORMAL	NO
OF830	183.342	NORMAL	NO
OF831	179.39	NORMAL	NO
OF832	179.152	NORMAL	NO
OF833	179.05	NORMAL	NO
OF834	183.257	NORMAL	NO
OF835	179.119	NORMAL	NO
OF836	183.995	NORMAL	NO
OF837	183.334	NORMAL	NO
OF838	183.431	NORMAL	NO
OF839	183.465	NORMAL	NO
OF84	183.773	NORMAL	NO
OF840	183.492	NORMAL	NO
OF841	184.031	NORMAL	NO
OF842	178.943	NORMAL	NO
OF843	183.267	NORMAL	NO
OF844	183.534	NORMAL	NO
OF845	180.199	NORMAL	NO
OF846	183.082	NORMAL	NO
OF847	178.161	NORMAL	NO
OF848	178.624	NORMAL	NO
OF849	178.507	NORMAL	NO
OF85	183.268	NORMAL	NO
OF850	182.807	NORMAL	NO
OF851	183.311	NORMAL	NO
OF852	178.398	NORMAL	NO
OF853	178.238	NORMAL	NO
OF854	183.262	NORMAL	NO
OF855	182.839	NORMAL	NO
OF856	178.255	NORMAL	NO
OF857	184.049	NORMAL	NO
OF858	182.367	NORMAL	NO
OF859	182.235	NORMAL	NO
OF86	183.569	NORMAL	NO
OF860	178.094	NORMAL	NO
OF861	181.989	NORMAL	NO
OF862	178.174	NORMAL	NO
OF863	181.635	NORMAL	NO
OF864	178.497	NORMAL	NO
OF865	180.923	NORMAL	NO
OF866	180.594	NORMAL	NO
OF867	178.418	NORMAL	NO
OF868	180.32	NORMAL	NO
OF869	180.401	NORMAL	NO
OF87	182.151	NORMAL	NO
OF870	180.263	NORMAL	NO
OF871	177.252	NORMAL	NO
OF872	178.643	NORMAL	NO
OF873	177.757	NORMAL	NO
OF874	180.375	NORMAL	NO
OF875	178.265	NORMAL	NO
OF876	180.249	NORMAL	NO
OF877	178.495	NORMAL	NO
OF878	177.644	NORMAL	NO
OF879	177.856	NORMAL	NO
OF88	183.698	NORMAL	NO
OF880	176.426	NORMAL	NO
OF881	178.02	NORMAL	NO

OF882	178.099	NORMAL	NO
OF883	180.077	NORMAL	NO
OF884	176.078	NORMAL	NO
OF885	179.983	NORMAL	NO
OF886	176.246	NORMAL	NO
OF887	179.789	NORMAL	NO
OF888	176.223	NORMAL	NO
OF889	176.284	NORMAL	NO
OF89	182.178	NORMAL	NO
OF890	179.882	NORMAL	NO
OF891	176.183	NORMAL	NO
OF892	177.981	NORMAL	NO
OF893	179.707	NORMAL	NO
OF894	178.055	NORMAL	NO
OF895	177.858	NORMAL	NO
OF896	177.932	NORMAL	NO
OF897	179.775	NORMAL	NO
OF898	178.448	NORMAL	NO
OF899	178.258	NORMAL	NO
OF9	170.688	NORMAL	NO
OF90	183.529	NORMAL	NO
OF900	177.789	NORMAL	NO
OF901	178.113	NORMAL	NO
OF902	176.291	NORMAL	NO
OF903	179.542	NORMAL	NO
OF904	177.982	NORMAL	NO
OF905	177.732	NORMAL	NO
OF906	178.163	NORMAL	NO
OF907	179.486	NORMAL	NO
OF908	178.576	NORMAL	NO
OF909	178.109	NORMAL	NO
OF91	183.581	NORMAL	NO
OF910	178.01	NORMAL	NO
OF911	178.1	NORMAL	NO
OF912	178.165	NORMAL	NO
OF913	177.806	NORMAL	NO
OF914	179.69	NORMAL	NO
OF915	179.665	NORMAL	NO
OF916	178.95	NORMAL	NO
OF917	178.728	NORMAL	NO
OF918	178.933	NORMAL	NO
OF919	179.148	NORMAL	NO
OF92	182.191	NORMAL	NO
OF920	179.139	NORMAL	NO
OF921	178.709	NORMAL	NO
OF922	178.647	NORMAL	NO
OF923	178.567	NORMAL	NO
OF924	178.776	NORMAL	NO
OF925	178.396	NORMAL	NO
OF926	178.329	NORMAL	NO
OF927	178.003	NORMAL	NO
OF928	177.897	NORMAL	NO
OF929	177.891	NORMAL	NO
OF93	183.65	NORMAL	NO
OF930	177.823	NORMAL	NO
OF931	177.741	NORMAL	NO
OF932	177.74	NORMAL	NO
OF933	177.489	NORMAL	NO
OF934	179.063	NORMAL	NO
OF935	179.581	NORMAL	NO
OF936	183.912	NORMAL	NO
OF937	183.653	NORMAL	NO
OF938	177.98	NORMAL	NO
OF939	178.017	NORMAL	NO

OF94	182.173	NORMAL	NO
OF940	177.899	NORMAL	NO
OF941	182.852	NORMAL	NO
OF942	184.044	NORMAL	NO
OF943	183.962	NORMAL	NO
OF944	177.573	NORMAL	NO
OF945	177.838	NORMAL	NO
OF946	177.672	NORMAL	NO
OF947	177.778	NORMAL	NO
OF948	177.746	NORMAL	NO
OF949	178.025	NORMAL	NO
OF95	183.438	NORMAL	NO
OF950	183.798	NORMAL	NO
OF951	183.79	NORMAL	NO
OF952	184.001	NORMAL	NO
OF953	176.889	NORMAL	NO
OF954	177.508	NORMAL	NO
OF955	177.601	NORMAL	NO
OF956	177.747	NORMAL	NO
OF957	177.975	NORMAL	NO
OF958	177.847	NORMAL	NO
OF959	176.675	NORMAL	NO
OF96	183.383	NORMAL	NO
OF960	177.499	NORMAL	NO
OF961	177.861	NORMAL	NO
OF962	183.773	NORMAL	NO
OF963	178.34	NORMAL	NO
OF964	178.234	NORMAL	NO
OF965	179.519	NORMAL	NO
OF966	179.588	NORMAL	NO
OF967	178.296	NORMAL	NO
OF968	178.392	NORMAL	NO
OF969	178.552	NORMAL	NO
OF97	182.031	NORMAL	NO
OF970	179.424	NORMAL	NO
OF971	178.443	NORMAL	NO
OF972	178.298	NORMAL	NO
OF973	179.335	NORMAL	NO
OF974	178.339	NORMAL	NO
OF975	178.363	NORMAL	NO
OF976	178.49	NORMAL	NO
OF977	179.473	NORMAL	NO
OF978	178.35	NORMAL	NO
OF979	178.327	NORMAL	NO
OF98	184.121	NORMAL	NO
OF980	179.992	NORMAL	NO
OF981	178.297	NORMAL	NO
OF982	178.473	NORMAL	NO
OF983	179.061	NORMAL	NO
OF984	178.375	NORMAL	NO
OF985	178.293	NORMAL	NO
OF986	180.075	NORMAL	NO
OF987	178.433	NORMAL	NO
OF988	178.369	NORMAL	NO
OF989	178.841	NORMAL	NO
OF99	183.822	NORMAL	NO
OF990	178.307	NORMAL	NO
OF991	178.329	NORMAL	NO
OF992	178.804	NORMAL	NO
OF993	178.377	NORMAL	NO
OF994	178.876	NORMAL	NO
OF995	178.276	NORMAL	NO
OF996	178.288	NORMAL	NO
OF997	178.15	NORMAL	NO

OF998	178.287	NORMAL		NO
OF999	178.653	NORMAL		NO
PILOTS_COVE_OUT	173.52	FIXED	176.39	NO
RAIL-2	176.22	NORMAL		NO
STARWOOD_OUT	174.25	FIXED	176.39	NO

[STORAGE]

;;Name	Invert Elev.	Max. Depth	Init. Depth	Storage Curve	Curve Params	Evap. Frac.
BRIGHTON_PS	167.937	9.063	0	TABULAR	BRIGHTON_WW	0
Drop Chamber	172.5	6.85	0	TABULAR	ESTL_DISCHARGECHAMBER	0
ESTL_PS	171.401	5.529	0	TABULAR	ESTL_WW	0
LESP_PS1	169.52	9.58	0	TABULAR	LESP_WW1	0
LESP_PS2	168.4	11.6	0	TABULAR	LESP_WW2	0
MANNING_PS	169.4	7.75	0	TABULAR	MANNING_WW	0
MANNING_PS-AUX_WW	169.2	7.95	0	TABULAR	MANNING_AUX.WW	0
PJCEC_PS	170.688	5.334	0	TABULAR	PJ_CEC_WW	0
SCULLY_PS	170.231	5.789	0	TABULAR	SCULLY_WW	0
ST_MARKS_PS	169.62	6.35	0	TABULAR	STMARKS_WW	0
SU1	173.52	2.98	0	TABULAR	SWMPondCurve	0
WSTL_PS	168.945	9.845	0	TABULAR	WSTL_WW	0

[CONDUITS]

;;Name	Inlet Node	Outlet Node	Length	Manning N	Inlet Offset	Outlet Offset	Inlet Frac.
;;Pipe-A 257.2 CL III							
1	STM7160	STM001	112.79	0.013	0.3	0.3	0
1022	STM1561	STM1562	80.12	0.013	0.3	0.3	0
1023	STM1562	STM337	74.82	0.013	0.3	3.22	0
1027	STM1568	STM342	77.26	0.013	0.3	0.3	0
1030	STM1572	STM350	31.69	0.013	0.3	0.3	0
1032	STM1574	STM1572	114.92	0.013	0.3	0.318	0
1037	STM1274	STM1275	58.75	0.013	0.3	0.3	0
1038	STM1582	STM1274	69.6	0.013	0.66	0.3	0
1069	STM1619	STM1582	87.74	0.013	0.3	0.69	0
1073	STM1626	STM1638	59.92	0.013	0.3	0.3	0

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Too many conduit entities (179382 in total).

[PUMPS]

;;Name	Inlet Node	Outlet Node	Pump Curve	Init. Status	Startup Depth	Shutoff Depth
;;PS Capacity Unknown. Max. Flow of 20.15 L/s based on 150mm forcemain max. velocity of 1.14m/s.						
BG_P1	BG_PS	STM3542	BG_PS1	OFF	0.01	0
BRIGHTON_LAG_P2	BRIGHTON_PS	J61	BRIGHTON_P1_P2_P3_P4	OFF	3.95	3.25
BRIGHTON_LAG_P3	BRIGHTON_PS	J61	BRIGHTON_P1_P2_P3_P4	OFF	4.05	3.34
BRIGHTON_LEAD_P1	BRIGHTON_PS	J61	BRIGHTON_P1_P2_P3_P4	OFF	3.85	3.15
BRIGHTON_P5/6	BRIGHTON_PS	J61	BRIGHTON_P5_P6	OFF	2.35	1.46
EST_L_P1	ESTL_PS	J50	E_ST_LOUIS_P1	OFF	0.8	0.39
EST_L_P2	ESTL_PS	J35	E_ST_LOUIS_P2	OFF	1.25	0.73
;assumed shut-off depth						
EST_L_P3	ESTL_PS	J53	E_ST_LOUIS_P3	OFF	1.86	1.25
;Main Screw Pump						
LP1	Lesp_PS1	J62	REV_LESP_PS1	OFF	1.68	0.38
LP2	Lesp_PS2	OF2	REV_LESP_2&3	OFF	3.8	2.8
LP3	Lesp_PS2	OF5	REV_LESP_2&3	OFF	4.8	3.8
;LAG PUMP						
;(all 4 pumps rotate in and out)						
MANNING_LAG_P2	MANNING_PS	J54	MANNING_P1_P2_P3_P4	OFF	3.98	3.7
;LEAD PUMP						
;(all 4 pumps rotate in and out)						

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MANNING_LEAD_P1  MANNING_PS      J54          MANNING_P1_P2_P3_P4 OFF 3.35      2.6
;AUXILLARY PUMP 5/6 LEAD (pumps rotate in and out)
MANNING_P5/6     MANNING_PS-AUX_WW j700        MANNING_P5_P6     OFF    3.2        2.6
;secondary
P1               PJCEC_PS          OF9          EXIST_PJ_CECILE_PS1&2 OFF 4.267    1.219
P3               BG_PS2            Tec_Rd_DICB  BG_PS2          OFF    1.89       0
;primary
PJ_CECILE_P1    PJCEC_PS          J59          EXIST_PJ_CECILE_PS1&2 OFF 3.412    1.219
;primary
SCULLY_P1       SCULLY_PS         j55          EXIST_SCULLY_PS1&2 OFF 4.365    1.676
;secondary
SCULLY_P2       SCULLY_PS         OF8          EXIST_SCULLY_PS1&2 OFF 4.724    1.676
;Original PS design
ST_MARKS_P1     ST_MARKS_PS       J56          EXIST_ST_MARKS_PS OFF 3.92     3
WST_L_P1        WSTL_PS           OF6          W_ST_LOUIS_P1   OFF    1.161     0.39
WST_L_P2        WSTL_PS           OF7          W_ST_LOUIS_P2   OFF    1.68      0.732

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[ORIFICES]

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;;
;;Name          Inlet          Outlet          Orifice          Crest          Disch.          Flap Open/C
;;              Node           Node            Type              Height         Coeff.         Gate Time
;;-----
2044_1          STM3093        J612            SIDE              0.532         0.65           NO 0
C187_1          STM6246        J343            SIDE              0.3           0.65           NO 0
C198            J410           STM211          SIDE              0             0.65           NO 0
C272            J645           J647            SIDE              0             0.65           NO 0
CIP02           COMM102        STM1247         SIDE              0             0.65           NO 0
CIP03           COMM102        STM1247         SIDE              0             0.65           NO 0
CIP04           COMM102        STM1247         SIDE              0             0.65           NO 0
CIP05           COMM103        STM1246         SIDE              0             0.65           NO 0
CIP06           COMM103        STM1246         SIDE              0             0.65           NO 0
CIP07           COMM103        STM1246         SIDE              0             0.65           NO 0
CIP08           COMM103        STM1246         SIDE              0             0.65           NO 0
CIP09           COMM103        STM1246         SIDE              0             0.65           NO 0
CIP10           COMM103        STM1246         SIDE              0             0.65           NO 0
CIP11           COMM103        STM1246         SIDE              0             0.65           NO 0
CIP12           COMM104        STM1255         SIDE              0             0.65           NO 0
CIP13           COMM104        STM1255         SIDE              0             0.65           NO 0
CIP14           COMM104        STM1255         SIDE              0             0.65           NO 0
CIP15           COMM105        STM1275         SIDE              0             0.65           NO 0
CIP16           COMM105        STM1275         SIDE              0             0.65           NO 0
CIP17           COMM105        STM1275         SIDE              0             0.65           NO 0
CIP18           COMM106        STM1582         SIDE              0             0.65           NO 0
CIP19           COMM106        STM1274         SIDE              0             0.65           NO 0
CIP20           COMM107        STM1582         SIDE              0             0.65           NO 0
CIP23           COMM109        STM1626         SIDE              0             0.65           NO 0
CIP26           J67            STM1619         SIDE              0             0.65           NO 0
CIP27           J67            STM1582         SIDE              0             0.65           NO 0
CIP28           J68            STM1582         SIDE              0.548         0.65           NO 0
CIP29           J69            STM1266         SIDE              0             0.65           NO 0
CIP30           COMM109        STM1626         SIDE              0             0.65           NO 0
CIP32           SU11           J81             SIDE              0             0.65           NO 0
CIP33           SU8            STM1255         SIDE              0             0.65           NO 0
CIP36           J69            STM1266         SIDE              0             0.65           NO 0
CORON_STM      J38            J32             SIDE              0             0.65           NO 0
MASON_STM      Mason_CB       CB850           SIDE              0             0.65           NO 0
;Changed from CICB inlets to CB lead
MH10-IC        MH10-S        MH10            SIDE              0             0.65           NO 0
;Changed from CICB inlets to CB lead
MH11-IC        MH11-S        MH11            SIDE              0             0.65           NO 0
;Changed from CICB inlets to CB lead
MH12-IC        MH12-S        MH12            SIDE              0             0.65           NO 0
;Changed from CICB inlets to CB lead
MH13-IC        MH13-S        MH13            SIDE              0             0.65           NO 0
;Changed from CICB inlets to CB lead

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MH14-IC	MH14-S	MH14	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH15-IC	MH15-S	MH15	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH17-IC	MH17-S	MH17	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH18-IC	MH18-S	MH18	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH19-IC	MH19-S	MH19	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH2-IC	MH2-S	MH2	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH4-IC	MH4-S	MH4	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH6-IC	MH6-S	MH6	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH7-IC	MH7-S	MH7	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH8-IC	MH8-S	MH8	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH9-IC	MH9-S	MH9	SIDE	0	0.65	NO	0
OR_Keith	CB438_525	STM3669	SIDE	0	0.65	NO	0
OR1	ESTL_Flume2	Drop_Chamber	SIDE	0	0.65	NO	0
OR10	J641	STM458	SIDE	0	0.65	NO	0
OR100	CB121_325	STM1871	SIDE	0	0.65	NO	0
OR1000	J65	J425	SIDE	0	0.65	NO	0
OR1001	J52	J425	SIDE	0	0.65	NO	0
OR1002	CB1630_1521	STM2249	SIDE	0.134	0.65	NO	0
OR1003	J66	STM2243	SIDE	0.081	0.65	NO	0
OR1004	J373	J70	SIDE	0	0.65	NO	0
OR1005	J374	J375	SIDE	0.267	0.65	NO	0
OR1006	J376	J377	SIDE	0	0.65	NO	0
OR1007	J376	J377	SIDE	0	0.65	NO	0
OR1008	CB4316_402	J379	SIDE	0	0.65	NO	0
OR1009	CB4316_402	J379	SIDE	0	0.65	NO	0
OR101	CB173_174	STM1896	SIDE	0	0.65	NO	0
OR1010	J380	J377	SIDE	0	0.65	NO	0
OR1011	J381	STM7251	SIDE	0	0.65	NO	0
OR1012	CB4211	STM489	SIDE	0	0.65	NO	0
OR1013	CB4211	STM574	SIDE	0	0.65	NO	0
OR1014	J382	STM589	SIDE	0	0.65	NO	0
OR1015	J382	STM589	SIDE	0	0.65	NO	0
OR1016	J383	STM583	SIDE	0	0.65	NO	0
OR1017	J384	STM583	SIDE	0	0.65	NO	0
OR1018	J385	STM582	SIDE	0	0.65	NO	0
OR1019	J386	STM582	SIDE	0	0.65	NO	0
OR102	CB175_106	STM1888	SIDE	0	0.65	NO	0
OR1021	J388	STM489	SIDE	0	0.65	NO	0
OR1022	CB594_200	STM622	SIDE	0	0.65	NO	0
OR1023	CB185_226	STM547	SIDE	0	0.65	NO	0
OR1024	CB184_225	STM547	SIDE	0	0.65	NO	0
OR1025	CB184_225	STM547	SIDE	0	0.65	NO	0
OR1026	CB185_226	STM547	SIDE	0	0.65	NO	0
OR1027	CB183_224	STM548	SIDE	0	0.65	NO	0
OR1028	CB183_224	STM548	SIDE	0	0.65	NO	0
;continuous grade							
OR1029	CB180_221	STM560	SIDE	0	0.65	NO	0
;continuous grade							
OR103	CB117_321	STM342	SIDE	0	0.65	NO	0
;continuous grade							
OR1030	CB180_221	STM564	SIDE	0	0.65	NO	0
;continuous grade							
OR1031	J390	STM573	SIDE	0	0.65	NO	0
;continuous grade							

OR1032	J390	STM573	SIDE	0	0.65	NO	0
;continuous grade							
OR1033	J389	STM572	SIDE	0	0.65	NO	0
;continuous grade							
OR1034	J389	STM572	SIDE	0	0.65	NO	0
OR1035	CB608_213	STM572	SIDE	0	0.65	NO	0
OR1036	CB608_213	STM572	SIDE	0	0.65	NO	0
OR1037	CB275_644	STM1502	SIDE	0	0.65	NO	0
OR1038	CB275_644	STM1502	SIDE	0	0.65	NO	0
;continuous grade							
OR1039	J391	STM1502	SIDE	0	0.65	NO	0
OR104	CB118_322	STM1568	SIDE	0	0.65	NO	0
;continuous grade							
OR1040	J391	STM1502	SIDE	0	0.65	NO	0
OR1041	J392	STM785	SIDE	0	0.65	NO	0
OR1042	J392	STM785	SIDE	0	0.65	NO	0
OR1043	J393	STM785	SIDE	0	0.65	NO	0
OR1044	J393	STM785	SIDE	0	0.65	NO	0
OR1045	J394	STM1775	SIDE	0	0.65	NO	0
OR1046	J395	STM1775	SIDE	0	0.65	NO	0
OR1047	CB629_4226	STM1775	SIDE	0	0.65	NO	0
OR1048	J396	STM1777	SIDE	0	0.65	NO	0
OR1049	J401	STM835	SIDE	0	0.65	NO	0
OR105	CB119_120	STM2480	SIDE	0	0.65	NO	0
;continuous grade							
OR1050	CB1159	STM244	SIDE	0	0.65	NO	0
OR1051	CB4396_4397	STM177	SIDE	0	0.65	NO	0
OR1052	CB4396_4397	STM177	SIDE	0	0.65	NO	0
OR1053	CB1160_1246	STM257	SIDE	0	0.65	NO	0
OR1054	CB1160_1246	STM257	SIDE	0	0.65	NO	0
;continuous grade							
OR1055	CB1161	J402	SIDE	0	0.65	NO	0
OR1056	CB1325	STM19	SIDE	0	0.65	NO	0
OR1057	CB1325	STM19	SIDE	0	0.65	NO	0
OR1058	CB1326	STM713	SIDE	0	0.65	NO	0
OR1059	CB1326	STM713	SIDE	0	0.65	NO	0
OR106	CB201_202	STM672	SIDE	0	0.65	NO	0
OR1060	CB1377	STM1431	SIDE	0	0.65	NO	0
OR1061	CB1382	STM1460	SIDE	0	0.65	NO	0
OR1062	CB1384	STM1460	SIDE	0	0.65	NO	0
OR1063	CB1385	STM1438	SIDE	0	0.65	NO	0
OR1064	CB1386	STM1437	SIDE	0	0.65	NO	0
OR1065	CB1628_1629	STM3083	SIDE	0.062	0.65	NO	0
OR1066	CB1628_1629	STM3083	SIDE	0.062	0.65	NO	0
OR1067	CB976	STM3081	SIDE	0	0.65	NO	0
OR1068	CB1970	J95	SIDE	0	0.65	NO	0
OR1069	J95	STM2224	SIDE	0	0.65	NO	0
;continuous grade							
OR107	CB169	STM1572	SIDE	0	0.65	NO	0
OR1070	CB5357_5356	STM7176	SIDE	0	0.65	NO	0
OR1071	CB5357_5356	STM7183	SIDE	0	0.65	NO	0
OR1072	CB1983_1928	STM2981	SIDE	0	0.65	NO	0
OR1073	CB1983_1928	STM2981	SIDE	0	0.65	NO	0
OR1074	CB1997_1992	STM3308	SIDE	0	0.65	NO	0
OR1075	CB2036_5355	STM7174	SIDE	0	0.65	NO	0
OR1076	CB2036_5355	STM7174	SIDE	0	0.65	NO	0
OR1077	CB37	STM4059	SIDE	0	0.65	NO	0
OR1078	CB42	STM1038	SIDE	0	0.65	NO	0
OR1079	CB41_40	STM1032	SIDE	0	0.65	NO	0
;continuous grade							
OR108	CB170_101	STM1572	SIDE	0	0.65	NO	0
OR1080	J404	STM1038	SIDE	0	0.65	NO	0
OR1081	CB82_27	STM285	SIDE	0	0.65	NO	0
OR1082	CB82_27	STM17	SIDE	0	0.65	NO	0

OR1083	J122	STM4137	SIDE	0	0.65	NO	0
OR1084	J405	STM4137	SIDE	0	0.65	NO	0
OR1085	J123	STM4137	SIDE	0	0.65	NO	0
OR1086	J400	STM773	SIDE	0	0.65	NO	0
OR1087	J400	STM773	SIDE	0	0.65	NO	0
OR1088	J406	J407	SIDE	0	0.65	NO	0
OR1089	J406	J407	SIDE	0	0.65	NO	0
OR109	CB171_172	STM7002	SIDE	0	0.65	NO	0
OR1090	J398	J407	SIDE	0	0.65	NO	0
OR1091	J399	STM762	SIDE	0	0.65	NO	0
OR1092	J96	STM7174	SIDE	0	0.65	NO	0
OR1093	CB452_451	STM693	SIDE	0	0.65	NO	0
OR1094	CB452_451	STM693	SIDE	0	0.65	NO	0
OR1095	CB457_4216	STM693	SIDE	0	0.65	NO	0
OR1096	CB457_4216	STM693	SIDE	0	0.65	NO	0
;continuous grade							
OR1097	CB658_887	STM253	SIDE	0	0.65	NO	0
OR1098	J415	J409	SIDE	0	0.65	NO	0
OR1099	J415	J409	SIDE	0	0.65	NO	0
;Original Design Restriction to 62 L/s							
OR11	CB_MCD	STM3604	SIDE	0	0.65	NO	0
OR110	CB601	STM98	SIDE	0	0.65	NO	0
OR1100	J416	STM113.2	SIDE	0	0.65	NO	0
;continuous grade							
OR1101	CB363_364	STM113.2	SIDE	0	0.65	NO	0
OR1102	J417	STM113.2	SIDE	0	0.65	NO	0
OR1103	J418	J378	SIDE	0	0.65	NO	0
OR1104	J419	STM116.1	SIDE	0	0.65	NO	0
OR1105	J421	STM7083	SIDE	0	0.65	NO	0
OR1106	J420	STM7083	SIDE	0	0.65	NO	0
OR1107	J422	STM662	SIDE	0	0.65	NO	0
OR1108	J422	STM662	SIDE	0	0.65	NO	0
OR1109	J423	STM630	SIDE	0	0.65	NO	0
OR111	CB600_206	STM630	SIDE	0	0.65	NO	0
OR1110	J423	STM630	SIDE	0	0.65	NO	0
OR1111	J424	STM631	SIDE	0	0.65	NO	0
OR1112	J430	STM3790	SIDE	0	0.65	NO	0
OR1113	J431	J427	SIDE	0	0.65	NO	0
OR1114	J433	STM1559	SIDE	0	0.65	NO	0
OR1115	J432	STM1559	SIDE	0	0.65	NO	0
OR1116	CB348_149	STM298	SIDE	0	0.65	NO	0
OR1117	J434	STM1279	SIDE	0	0.65	NO	0
OR1118	J436	STM1088	SIDE	0	0.65	NO	0
OR1119	J437	STM1107	SIDE	0	0.65	NO	0
OR112	CB217_610	STM573	SIDE	0	0.65	NO	0
OR1120	J438	STM319	SIDE	0	0.65	NO	0
OR1121	J439	J12	SIDE	0	0.65	NO	0
OR1122	J440	J403	SIDE	0	0.65	NO	0
OR1123	J441	STM19	SIDE	0	0.65	NO	0
OR1124	J442	STM654	SIDE	0	0.65	NO	0
OR1125	J442	STM654	SIDE	0	0.65	NO	0
OR1126	J443	STM601	SIDE	0	0.65	NO	0
OR1127	J443	STM601	SIDE	0	0.65	NO	0
OR1128	J444	STM601	SIDE	0	0.65	NO	0
OR1129	J444	STM601	SIDE	0	0.65	NO	0
OR113	CB217_610	STM573	SIDE	0	0.65	NO	0
OR1130	CB621_260	STM602	SIDE	0	0.65	NO	0
OR1131	J445	STM616	SIDE	0	0.65	NO	0
OR1132	J445	STM616	SIDE	0	0.65	NO	0
OR1133	J446	STM616	SIDE	0	0.65	NO	0
OR1134	J446	STM616	SIDE	0	0.65	NO	0
OR1135	CB458_647	STM694	SIDE	0	0.65	NO	0
OR1136	CB458_647	STM694	SIDE	0	0.65	NO	0
OR1137	CB459_648	STM708	SIDE	0	0.65	NO	0

OR1138	CB459_648	STM708	SIDE	0	0.65	NO	0
OR1139	CB460_461	STM727	SIDE	0	0.65	NO	0
OR114	CB219_218	STM573	SIDE	0	0.65	NO	0
OR1140	CB460_461	STM727	SIDE	0	0.65	NO	0
OR1141	J447	STM540	SIDE	0	0.65	NO	0
OR1142	J448	STM296	SIDE	0	0.65	NO	0
OR1143	J449	STM296	SIDE	0	0.65	NO	0
OR1144	J450	STM727	SIDE	0	0.65	NO	0
OR1145	J449	STM296	SIDE	0	0.65	NO	0
OR1146	J449	STM296	SIDE	0	0.65	NO	0
OR1147	J450	STM727	SIDE	0	0.65	NO	0
OR1148	J451	STM3086	SIDE	0	0.65	NO	0
OR1149	CB8337_8336	STM1778	SIDE	0	0.65	NO	0
OR115	CB639_640	STM785	SIDE	0	0.65	NO	0
OR1150	CB4292_4291	STM5887	SIDE	0	0.65	NO	0
OR1151	J456	STM1739	SIDE	0	0.65	NO	0
OR1152	J454	J466	SIDE	0	0.65	NO	0
OR1153	J458	J465	SIDE	0	0.65	NO	0
OR1154	J459	J465	SIDE	0	0.65	NO	0
OR1155	J467	J471	SIDE	0	0.65	NO	0
OR1156	J468	J471	SIDE	0	0.65	NO	0
OR1157	J469	J470	SIDE	0	0.65	NO	0
OR1158	J473	STM2133	SIDE	0	0.65	NO	0
OR1159	J474	STM2138	SIDE	0	0.65	NO	0
OR116	CB639_640	STM785	SIDE	0	0.65	NO	0
OR1160	J475	STM2133	SIDE	0	0.65	NO	0
OR1161	J472	STM2129	SIDE	0	0.65	NO	0
OR1162	J476	STM2665	SIDE	0	0.65	NO	0
OR1163	J477	STM2665	SIDE	0	0.65	NO	0
OR1164	J478	STM2677	SIDE	0	0.65	NO	0
OR1165	CB542	STM2677	SIDE	0	0.65	NO	0
;continuous grade							
OR1166	CB546_449	STM1707	SIDE	0	0.65	NO	0
OR1167	CB545_448	STM2296	SIDE	0	0.65	NO	0
OR1168	CB520	STM2300	SIDE	0	0.65	NO	0
OR1169	CB543_445	STM1022	SIDE	0	0.65	NO	0
;continuous grade							
OR117	CB220_179	STM564	SIDE	0	0.65	NO	0
OR1170	CB306A	STM1240	SIDE	0	0.65	NO	0
OR1171	J481	STM1705	SIDE	0	0.65	NO	0
OR1172	J480	STM1705	SIDE	0	0.65	NO	0
OR1173	J479	STM1705	SIDE	0	0.65	NO	0
;SCHOOL INLETS							
OR1174	J488	STM7080	SIDE	0	0.65	NO	0
;SCHOOL INLETS							
OR1175	J489	STM7080	SIDE	0.662	0.65	NO	0
OR1176	J490	J491	SIDE	0	0.65	NO	0
OR1177	J498	J27	SIDE	0	0.65	NO	0
;ASSUMED							
OR1178	J492	STM1742	SIDE	0	0.65	NO	0
OR1179	J494	STM876	SIDE	0	0.65	NO	0
;continuous grade							
OR118	CB220_179	STM564	SIDE	0	0.65	NO	0
OR1180	J493	STM876	SIDE	0	0.65	NO	0
OR1181	J496	STM870	SIDE	0	0.65	NO	0
OR1182	J497	STM870	SIDE	0	0.65	NO	0
OR1183	J499	STM871	SIDE	0	0.65	NO	0
OR1184	J500	STM4237	SIDE	0	0.65	NO	0
OR1185	CB683_682	J612	SIDE	0	0.65	NO	0
OR1186	J503	STM1826	SIDE	0	0.65	NO	0
OR1187	J506	STM835	SIDE	0	0.65	NO	0
OR1188	J507	STM835	SIDE	0	0.65	NO	0
OR1189	J509	STM2498	SIDE	0	0.65	NO	0
OR119	CB181_222	STM560	SIDE	0	0.65	NO	0

OR1190	J508	STM2498	SIDE	0	0.65	NO	0
OR1191	J510	STM2498	SIDE	0	0.65	NO	0
OR1192	J512	STM2538	SIDE	0	0.65	NO	0
OR1193	J513	J516	SIDE	0	0.65	NO	0
OR1194	J515	J516	SIDE	0	0.65	NO	0
OR1195	J514	J516	SIDE	0	0.65	NO	0
OR1196	J511	STM2538	SIDE	0	0.65	NO	0
OR1197	CB544_446	STM1022	SIDE	0	0.65	NO	0
OR1198	CB850	STM1021	SIDE	0	0.65	NO	0
OR1199	CB852_851	STM52	SIDE	0	0.65	NO	0
OR12	CB_COMM1	STM993	SIDE	0	0.65	NO	0
OR120	CB181_222	STM560	SIDE	0	0.65	NO	0
OR1200	CB854_853	STM1062	SIDE	0	0.65	NO	0
OR1201	J519	STM1003	SIDE	0	0.65	NO	0
OR1202	J518	STM1003	SIDE	0	0.65	NO	0
OR1203	CB858_855	STM53	SIDE	0	0.65	NO	0
OR1204	J517	STM1003	SIDE	0	0.65	NO	0
OR1205	J520	STM51	SIDE	0	0.65	NO	0
OR1206	J521	STM51	SIDE	0	0.65	NO	0
OR1207	CB864_863	STM44	SIDE	0	0.65	NO	0
OR1208	CB848_849	STM1164	SIDE	0	0.65	NO	0
OR1209	J522	STM1992	SIDE	0	0.65	NO	0
OR121	CB110_111	STM1326	SIDE	0	0.65	NO	0
OR1210	J523	STM1992	SIDE	0	0.65	NO	0
OR1211	J524	STM54	SIDE	0	0.65	NO	0
OR1212	J525	STM54	SIDE	0	0.65	NO	0
OR1213	J526	STM50	SIDE	0	0.65	NO	0
OR1214	J527	STM2269	SIDE	0	0.65	NO	0
OR1215	CB1393	STM2520	SIDE	0	0.65	NO	0
OR1216	CB1391_1394	STM1901	SIDE	0	0.65	NO	0
OR1217	CB1395_1433	STM1900	SIDE	0	0.65	NO	0
OR1218	CB1432	STM1901	SIDE	0	0.65	NO	0
OR1219	J528	STM1900	SIDE	0	0.65	NO	0
OR122	CB112_312	STM1327	SIDE	0	0.65	NO	0
OR1220	J528	STM1900	SIDE	0	0.65	NO	0
OR1221	J529	STM2270	SIDE	0	0.65	NO	0
OR1222	J532	STM1913	SIDE	0	0.65	NO	0
OR1223	J530	STM1913	SIDE	0	0.65	NO	0
OR1224	J531	J47	SIDE	0	0.65	NO	0
OR1225	J536	STM2535	SIDE	0	0.65	NO	0
OR1226	J535	STM2535	SIDE	0	0.65	NO	0
OR1227	J534	STM2531	SIDE	0	0.65	NO	0
OR1228	J533	STM2531	SIDE	0	0.65	NO	0
OR1229	J539	STM3674	SIDE	0	0.65	NO	0
;continuous grade							
OR123	CB314_313	STM96	SIDE	0	0.65	NO	0
OR1230	J537	STM1973	SIDE	0	0.65	NO	0
OR1231	J537	STM1973	SIDE	0	0.65	NO	0
OR1232	J538	STM1973	SIDE	0	0.65	NO	0
OR1233	J538	STM1973	SIDE	0	0.65	NO	0
OR1234	CB1450_1411	STM938	SIDE	0	0.65	NO	0
OR1235	CB1450_1411	STM938	SIDE	0	0.65	NO	0
OR1236	CB1404_1445	STM938	SIDE	0	0.65	NO	0
OR1237	CB1404_1445	STM939	SIDE	0	0.65	NO	0
OR1238	CB1405_4238	STM939	SIDE	0	0.65	NO	0
OR1239	CB1405_4238	STM939	SIDE	0	0.65	NO	0
OR124	CB109_309	STM1339	SIDE	0	0.65	NO	0
OR1240	CB1446_1406	STM2117	SIDE	0	0.65	NO	0
OR1241	CB1446_1406	STM2117	SIDE	0	0.65	NO	0
OR1242	J540	STM2326	SIDE	0	0.65	NO	0
OR1243	J540	STM2326	SIDE	0	0.65	NO	0
OR1244	J541	STM2326	SIDE	0	0.65	NO	0
OR1245	J541	STM2116	SIDE	0	0.65	NO	0
OR1246	CB1447_1407	STM2116	SIDE	0	0.65	NO	0

OR1247	CB1447_1407	STM2117	SIDE	0	0.65	NO	0
OR1248	J543	STM1980	SIDE	0	0.65	NO	0
OR1249	J542	STM1980	SIDE	0	0.65	NO	0
;continuous grade							
OR125	CB319_320	STM107	SIDE	0	0.65	NO	0
OR1250	J546	CB4256	SIDE	0	0.65	NO	0
OR1251	J545	CB4251	SIDE	0	0.65	NO	0
OR1252	J544	CB4251	SIDE	0	0.65	NO	0
OR1253	J549	STM3514	SIDE	0	0.65	NO	0
OR1254	J550	STM2184	SIDE	0	0.65	NO	0
OR1255	J550	STM2184	SIDE	0	0.65	NO	0
OR1256	J551	STM2045	SIDE	0	0.65	NO	0
OR1257	J552	STM2618	SIDE	0.375	0.65	NO	0
OR1258	J553	J554	SIDE	0	0.65	NO	0
OR1259	J556	STM3999	SIDE	0	0.65	NO	0
;Multiple CB's							
OR126	CB621_260	STM602	SIDE	0	0.65	NO	0
OR1260	J558	STM3581	SIDE	0	0.65	NO	0
OR1261	J557	STM3574	SIDE	0	0.65	NO	0
OR1262	J559	STM2638	SIDE	0	0.65	NO	0
OR1263	J561	STM2006	SIDE	0	0.65	NO	0
OR1264	CB1595_1498	STM2005	SIDE	0	0.65	NO	0
OR1265	J560	STM2010	SIDE	0	0.65	NO	0
OR1266	CB1398_1439	STM1909	SIDE	0	0.65	NO	0
OR1267	CB14_64	STM1102	SIDE	0	0.65	NO	0
OR1268	CB15_68	STM1101	SIDE	0	0.65	NO	0
OR1269	CB4281_4296	STM1739	SIDE	0	0.65	NO	0
OR127	CB259_620	STM609	SIDE	0	0.65	NO	0
OR1270	CB507_506	STM1151	SIDE	0	0.65	NO	0
OR1271	CB779_845	STM2269	SIDE	0	0.65	NO	0
OR1272	CB791	STM51	SIDE	0	0.65	NO	0
OR1273	CB792	STM50	SIDE	0	0.65	NO	0
OR1274	CB872_802	STM1062	SIDE	0	0.65	NO	0
OR1275	CB872_802	STM1062	SIDE	0	0.65	NO	0
OR1276	J426	STM631	SIDE	0	0.65	NO	0
OR1277	J426	STM631	SIDE	0	0.65	NO	0
OR1278	J562	STM811	SIDE	0	0.65	NO	0
OR1279	J563	STM810	SIDE	0	0.65	NO	0
OR128	CB259_620	STM609	SIDE	0	0.65	NO	0
OR1280	J564	STM7218	SIDE	0	0.65	NO	0
OR1281	J565	STM693	SIDE	0	0.65	NO	0
OR1282	J566	STM693	SIDE	0	0.65	NO	0
OR1283	J567	STM631	SIDE	0	0.65	NO	0
OR1284	J569	STM500	SIDE	0	0.65	NO	0
OR1285	J571	STM3130	SIDE	0	0.65	NO	0
OR1286	J570	STM3134	SIDE	0	0.65	NO	0
OR1287	J572	STM2845	SIDE	0	0.65	NO	0
OR1288	J579	J576	SIDE	0	0.65	NO	0
OR1289	J578	J575	SIDE	0	0.65	NO	0
OR129	CB617_258	STM609	SIDE	0	0.65	NO	0
OR1290	J577	J573	SIDE	0	0.65	NO	0
OR1291	J580	STM1416	SIDE	0	0.65	NO	0
OR1292	J583	J581	SIDE	0	0.65	NO	0
OR1293	J582	J581	SIDE	0	0.65	NO	0
OR1294	J588	J587	SIDE	0	0.65	NO	0
OR1295	J589	J587	SIDE	0	0.65	NO	0
OR1296	J590	STM40	SIDE	0	0.65	NO	0
OR1297	J591	J584	SIDE	0	0.65	NO	0
OR1298	J592	J587	SIDE	0	0.65	NO	0
OR1299	J593	J585	SIDE	0	0.65	NO	0
OR13	CB_COMM2	STM3613	SIDE	0	0.65	NO	0
OR130	CB618	STM330	SIDE	0	0.65	NO	0
OR1300	J596	J594	SIDE	0	0.65	NO	0
OR1301	J597	J595	SIDE	0	0.65	NO	0

OR1302	J598	STM1207	SIDE	0	0.65	NO	0
OR1303	J599	STM1207	SIDE	0	0.65	NO	0
OR1304	J600	STM1240	SIDE	0	0.65	NO	0
OR1305	J604	J614	SIDE	0.5	0.65	NO	0
OR1306	J606	J615	SIDE	0.167	0.65	NO	0
OR1307	J608	J616	SIDE	0.165	0.65	NO	0
OR1308	J611	J43	SIDE	0	0.65	NO	0
OR1309	J610	J605	SIDE	0	0.65	NO	0
OR131	CB618	STM330	SIDE	0	0.65	NO	0
OR1310	J609	STM3093	SIDE	0	0.65	NO	0
OR1311	J607	J617	SIDE	0	0.65	NO	0
OR1312	J618	J617	SIDE	0	0.65	NO	0
OR1313	J619	J322	SIDE	0	0.65	NO	0
OR1314	J619	J617	SIDE	0	0.65	NO	0
OR1315	J621	J622	SIDE	0	0.65	NO	0
OR1316	J620	J622	SIDE	0	0.65	NO	0
OR1317	J623	J323	SIDE	0	0.65	NO	0
OR1318	J626	J42	SIDE	0	0.65	NO	0
OR1319	J625	J629	SIDE	0	0.65	NO	0
OR132	CB579	J21	SIDE	0	0.65	NO	0
OR1320	J627	J628	SIDE	0	0.65	NO	0
OR1321	J624	J629	SIDE	0	0.65	NO	0
OR1322	J648	STM3598	SIDE	0.633	0.65	NO	0
OR1323	J644	J649	SIDE	0	0.65	NO	0
OR1324	J646	J649	SIDE	0	0.65	NO	0
OR1325	J650	J647	SIDE	0.3	0.65	NO	0
OR1326	J652	J654	SIDE	0.3	0.65	NO	0
OR1327	J655	J656	SIDE	0.3	0.65	NO	0
OR1328	J653	J656	SIDE	0.3	0.65	NO	0
OR1329	J663	J664	SIDE	0.3	0.65	NO	0
OR133	CB578	J22	SIDE	0	0.65	NO	0
OR1330	J677	J664	SIDE	0.3	0.65	NO	0
OR1331	J668	J679	SIDE	0.3	0.65	NO	0
OR1332	J672	J671	SIDE	0.743	0.65	NO	0
OR1333	J674	J673	SIDE	0.3	0.65	NO	0
OR1334	J669	J682	SIDE	0.3	0.65	NO	0
OR1335	J670	J673	SIDE	0.3	0.65	NO	0
OR1336	J666	J680	SIDE	0.3	0.65	NO	0
OR1337	J665	J680	SIDE	0.3	0.65	NO	0
OR1338	J667	J680	SIDE	0.3	0.65	NO	0
OR1339	J675	J681	SIDE	0.3	0.65	NO	0
OR134	CB59_11	STM1562	SIDE	0	0.65	NO	0
OR1340	J676	J678	SIDE	0.3	0.65	NO	0
OR1341	CBMH_TMC	J678	SIDE	0.3	0.65	NO	0
OR1342	J688	J691	SIDE	0	0.65	NO	0
OR1343	J687	J690	SIDE	0	0.65	NO	0
OR1344	J694	J695	SIDE	0	0.65	NO	0
;continuous grade							
OR1345	J701	STM1395	SIDE	0	0.65	NO	0
;continuous grade							
OR1346	J701	STM1395	SIDE	0	0.65	NO	0
OR1347	J705	J58123	SIDE	0	0.65	NO	0
OR1348	J705	J58123	SIDE	0	0.65	NO	0
OR1349	J706	J710	SIDE	0	0.65	NO	0
OR135	CB612_253	STM1951	SIDE	0	0.65	NO	0
OR1350	J706	J710	SIDE	0	0.65	NO	0
OR1351	J711	EX.CBMH	SIDE	0	0.65	NO	0
OR1352	J28	J483	SIDE	0	0.65	NO	0
OR1353	J64	J484	SIDE	0	0.65	NO	0
OR1354	J2149	J484	SIDE	0	0.65	NO	0
OR1355	J2180	J485	SIDE	0	0.65	NO	0
OR1356	J2151	J485	SIDE	0	0.65	NO	0
OR1357	BD-0	J52935_1_1	SIDE	2.521	0.65	NO	0
OR1358	J2226	J486	SIDE	0	0.65	NO	0

OR1359	J2233	j5	SIDE	0	0.65	NO	0
OR136	CB293_294	STM1689	SIDE	0	0.65	NO	0
OR1360	J2236	J487	SIDE	0	0.65	NO	0
OR1361	J2253	J487	SIDE	0	0.65	NO	0
OR1362	J37	J12501	BOTTOM	1.228	0.65	NO	0
OR1363	J44	J25136	BOTTOM	3.682	0.65	NO	0
OR1364	J49	J24199	BOTTOM	1.446	0.65	NO	0
OR1365	J57	J57827	BOTTOM	2.273	0.65	NO	0
OR1366	J58	J17732	BOTTOM	1.627	0.65	NO	0
OR1367	J60	J39763	BOTTOM	1.885	0.65	NO	0
OR1368	J92	J37107	BOTTOM	4.152	0.65	NO	0
OR1369	MHEW8	J12050	BOTTOM	1.84	0.65	NO	0
OR137	CB251_295	STM1689	SIDE	0	0.65	NO	0
OR1370	MHSM2	J24977	BOTTOM	1.786	0.65	NO	0
OR1371	MHSM1	J27206	BOTTOM	2.326	0.65	NO	0
OR1372	MHSM7	J14531	BOTTOM	1.955	0.65	NO	0
OR1373	MHSM6	J16277	BOTTOM	1.76	0.65	NO	0
OR1374	MHSM5	J18403	BOTTOM	1.866	0.65	NO	0
OR1375	MHSM4	J20586	BOTTOM	1.828	0.65	NO	0
OR1376	MHSM3	J22754	BOTTOM	2.082	0.65	NO	0
OR1377	Z_CB	J27161	BOTTOM	1.4	0.65	NO	0
OR1378	JL1	J2000	BOTTOM	0.053	0.65	NO	0
OR1379	JL2	J1540	BOTTOM	0.05	0.65	NO	0
OR138	CB250_292	STM1689	SIDE	0	0.65	NO	0
OR1380	CB2018_1952	J35117	BOTTOM	1.434	0.65	NO	0
OR1381	CB2017_1951	J36437_2	BOTTOM	1.681	0.65	NO	0
OR1382	CB2016_1950	J35643	BOTTOM	1.523	0.65	NO	0
OR1383	CB2015_1949	J36709_2	BOTTOM	1.511	0.65	NO	0
OR1384	CB2014_1948	J35911_2	BOTTOM	1.647	0.65	NO	0
OR1385	CB2013_1947	J36717_2	BOTTOM	2.018	0.65	NO	0
OR1386	CB2012_1946	J37237_2	BOTTOM	1.532	0.65	NO	0
OR1387	CB2011_1945	J36723	BOTTOM	1.436	0.65	NO	0
OR1388	CB2010_1944	J37497_2	BOTTOM	1.557	0.65	NO	0
OR1389	CB4259_1943	J36993_2	BOTTOM	1.669	0.65	NO	0
OR139	CB4285_4286	STM1239	SIDE	0	0.65	NO	0
OR1390	CB2009_1942	J37751_2	BOTTOM	1.4	0.65	NO	0
OR1391	CB2007_2008	J36733	BOTTOM	1.449	0.65	NO	0
OR1392	CB1941_1940	J38241_2	BOTTOM	1.604	0.65	NO	0
OR1393	CB1939_2004	J35940_2	BOTTOM	1.67	0.65	NO	0
OR1394	CB2005_2006	J35935_2	BOTTOM	1.402	0.65	NO	0
OR1395	CB2003_1938	J35945_2	BOTTOM	1.565	0.65	NO	0
OR1396	CB2002_1937	J38478	BOTTOM	1.4	0.65	NO	0
OR1397	CB1997_1992	J38940_2	BOTTOM	1.478	0.65	NO	0
OR1398	CB1998_1933	J38720_1	BOTTOM	1.457	0.65	NO	0
OR1399	CB1999_1934	J36755	BOTTOM	1.46	0.65	NO	0
OR14	CB_COMM3	STM3589	SIDE	0	0.65	NO	0
OR140	CB4287_4288	STM1676	SIDE	0	0.65	NO	0
OR1400	CB1996_1931	J38948	BOTTOM	1.466	0.65	NO	0
OR1401	CB1991_1992	J39383_2	BOTTOM	1.604	0.65	NO	0
OR1402	CB4257	J36767	BOTTOM	1.431	0.65	NO	0
OR1403	CB1995_1930	J36761	BOTTOM	1.551	0.65	NO	0
OR1404	CB1987_1988	J37038_2	BOTTOM	1.473	0.65	NO	0
OR1405	CB1989_1990	J39604	BOTTOM	1.565	0.65	NO	0
OR1406	CB1993_1994	J39171_1	BOTTOM	1.521	0.65	NO	0
OR1407	CB1980_1925	J39620_2	BOTTOM	1.484	0.65	NO	0
OR1408	CB1982_1927	J39615	BOTTOM	1.503	0.65	NO	0
OR1409	CB1983_1928	J37049_2	BOTTOM	1.556	0.65	NO	0
OR141	CB245_287	STM1735	SIDE	0	0.65	NO	0
OR1410	CB1984	J37044	BOTTOM	1.679	0.65	NO	0
OR1411	CB1985_1929	J38510	BOTTOM	1.472	0.65	NO	0
OR1412	CB1986	J39815	BOTTOM	1.4	0.65	NO	0
OR1413	CB1981	J40023_2	BOTTOM	1.413	0.65	NO	0
OR1414	CB1968	J35983_1	BOTTOM	1.742	0.65	NO	0
OR1415	CB1977_1923	J40033	BOTTOM	1.507	0.65	NO	0

OR1416	CB1924_1978	J38984_1	BOTTOM	1.675	0.65	NO	0
OR1417	CB1979	J37311_3	BOTTOM	1.432	0.65	NO	0
OR1418	CB1976_1922	J40588_2	BOTTOM	1.755	0.65	NO	0
OR1419	CB1975_1921	J39206	BOTTOM	1.467	0.65	NO	0
;Multiple CB's							
OR142	CB594_200	STM622	SIDE	0	0.65	NO	0
OR1420	CB1974	J37577_2	BOTTOM	1.473	0.65	NO	0
OR1421	CB2035_1973	J37319_2	BOTTOM	2.4	0.65	NO	0
OR1422	CB2122_5358	J37329	BOTTOM	1.504	0.65	NO	0
OR1423	CB1970	J36533_1	BOTTOM	1.624	0.65	NO	0
OR1424	CB5357_5356	J36536	BOTTOM	1.4	0.65	NO	0
OR1425	CB2038_2125	J35230	BOTTOM	1.741	0.65	NO	0
OR1426	CB2037_2124	J34977	BOTTOM	1.4	0.65	NO	0
OR1427	CB2039_2040	J34444	BOTTOM	1.651	0.65	NO	0
OR1428	CB2043_2128	J31148	BOTTOM	1.56	0.65	NO	0
OR1429	CB2130_2045	J29521	BOTTOM	1.563	0.65	NO	0
OR143	CB188_187	STM477	SIDE	0	0.65	NO	0
OR1430	CB121_325	J21146	BOTTOM	1.655	0.65	NO	0
OR1431	TICB122_123_326_327	J20677	BOTTOM	1.4	0.65	NO	0
OR1432	CB319_320	J20211	BOTTOM	1.4	0.65	NO	0
OR1433	CB564_371	J20685	BOTTOM	1.464	0.65	NO	0
OR1434	CB117_321	J21891	BOTTOM	1.4	0.65	NO	0
OR1435	CB2089_2179	J30336	BOTTOM	1.423	0.65	NO	0
OR1436	CB2088_2178	J28740	BOTTOM	1.414	0.65	NO	0
OR1437	CB2001_1936	J38484	BOTTOM	1.537	0.65	NO	0
OR1438	CB1935	J36482_2	BOTTOM	1.514	0.65	NO	0
OR1439	CB5413	J32485	BOTTOM	1.814	0.65	NO	0
OR144	CB188_187	STM477	SIDE	0	0.65	NO	0
OR1440	CB2036_5355	J35747	BOTTOM	1.4	0.65	NO	0
OR1441	CB2180	J31675	BOTTOM	1.502	0.65	NO	0
OR1442	CB5419_5418	J27775	BOTTOM	1.413	0.65	NO	0
OR1443	CB2137	J27784	BOTTOM	1.4	0.65	NO	0
OR1444	CB5421_5420	J27779	BOTTOM	1.4	0.65	NO	0
OR1445	CB2138	J27024	BOTTOM	1.532	0.65	NO	0
OR1446	CB2769_2715	J48207	BOTTOM	1.474	0.65	NO	0
OR1447	CB2717_2771	J46721	BOTTOM	1.422	0.65	NO	0
OR1448	CB2799	J44740	BOTTOM	1.449	0.65	NO	0
OR1449	CB2757_2908	J45727	BOTTOM	1.844	0.65	NO	0
OR145	CB182_223	STM559	SIDE	0	0.65	NO	0
OR1450	CB2710_2764	J46833	BOTTOM	1.4	0.65	NO	0
OR1451	CB2906_2752	J44755	BOTTOM	1.738	0.65	NO	0
OR1452	CB1251	J41721	BOTTOM	1.404	0.65	NO	0
OR1453	CB4369_4370	J40479	BOTTOM	1.494	0.65	NO	0
OR1454	CB1786_1052	J40428	BOTTOM	1.731	0.65	NO	0
OR1455	CB1737_1038	J33904	BOTTOM	1.518	0.65	NO	0
OR1456	CB1077_4236	J33929	BOTTOM	1.4	0.65	NO	0
OR1457	CB9698_9597	J38809	BOTTOM	1.545	0.65	NO	0
OR1458	CB9593_9594	J35520	BOTTOM	1.493	0.65	NO	0
OR1459	CB9589	J34211	BOTTOM	1.454	0.65	NO	0
OR146	CB182_223	STM559	SIDE	0	0.65	NO	0
OR1460	CB9962	J40072	BOTTOM	1.428	0.65	NO	0
OR1461	CB970_898	J33941	BOTTOM	1.404	0.65	NO	0
OR1462	CB4258	J36768_2	BOTTOM	1.475	0.65	NO	0
OR1463	CB2046_2047	J27770	BOTTOM	1.457	0.65	NO	0
OR1464	CB966_894	J33948	BOTTOM	1.4	0.65	NO	0
OR1465	CB119_120	J22602	BOTTOM	1.561	0.65	NO	0
OR1466	CB118_322	J22115	BOTTOM	1.4	0.65	NO	0
OR1467	CB113_114	J19227	BOTTOM	1.4	0.65	NO	0
OR1468	CB115_317	J18988	BOTTOM	1.631	0.65	NO	0
OR1469	CB116_318	J19234	BOTTOM	1.4	0.65	NO	0
;Multiple CB's							
OR147	CB4219_4218	STM559	SIDE	0	0.65	NO	0
OR1470	CB565_372	J19239	BOTTOM	1.559	0.65	NO	0
OR1471	CB566_373	J18020	BOTTOM	1.567	0.65	NO	0

OR1472	CB314_313	J17523	BOTTOM	1.4	0.65	NO	0
OR1473	CB112_312	J17519	BOTTOM	1.714	0.65	NO	0
OR1474	CB110_111	J17271	BOTTOM	1.484	0.65	NO	0
OR1475	CB109_309	J17758	BOTTOM	1.4	0.65	NO	0
OR1476	CB178_108	J18002	BOTTOM	1.605	0.65	NO	0
OR1477	CB177_107	J19711	BOTTOM	1.528	0.65	NO	0
OR1478	CB175_106	J21876	BOTTOM	1.468	0.65	NO	0
OR1479	CB173_174	J23828	BOTTOM	1.725	0.65	NO	0
;continuous grade							
OR148	CB637_635	STM1754	SIDE	0	0.65	NO	0
OR1480	CB171_172	J24085	BOTTOM	1.739	0.65	NO	0
OR1481	CB170_101	J23602	BOTTOM	1.783	0.65	NO	0
OR1482	CB169	J23606	BOTTOM	1.419	0.65	NO	0
OR1483	CB562_369	J23112	BOTTOM	1.4	0.65	NO	0
OR1484	CB563_370	J22120	BOTTOM	1.638	0.65	NO	0
OR1485	CB568_375	J15483	BOTTOM	1.516	0.65	NO	0
OR1486	CB567_374	J16353	BOTTOM	1.562	0.65	NO	0
OR1487	CB130_129	J15482	BOTTOM	1.574	0.65	NO	0
OR1488	CB331_332_127_128	J15694	BOTTOM	1.441	0.65	NO	0
OR1489	CB329_125	J15025	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR149	CB636_270	STM1758	SIDE	0	0.65	NO	0
OR1490	CB328_124	J14146	BOTTOM	1.724	0.65	NO	0
OR1491	CB138_139	J12853	BOTTOM	1.498	0.65	NO	0
OR1492	CB151_350	J11130	BOTTOM	1.555	0.65	NO	0
OR1493	CB340_141	J11123	BOTTOM	1.842	0.65	NO	0
OR1494	CB352	J11328	BOTTOM	1.4	0.65	NO	0
OR1495	CB4235_351	J10572	BOTTOM	1.469	0.65	NO	0
OR1496	CB353_152	J10222	BOTTOM	1.522	0.65	NO	0
OR1497	CB381_574	J10228	BOTTOM	1.4	0.65	NO	0
OR1498	CB573_380	J11144	BOTTOM	1.527	0.65	NO	0
OR1499	CB382_575	J9377	BOTTOM	1.489	0.65	NO	0
OR15	J266	J265	SIDE	0	0.65	NO	0
OR150	CB238_239	STM1762	SIDE	0	0.65	NO	0
OR1500	CB571_378	J12481	BOTTOM	1.4	0.65	NO	0
OR1501	CB570_377	J13506	BOTTOM	1.478	0.65	NO	0
OR1502	CB572_379	J11899	BOTTOM	1.501	0.65	NO	0
OR1503	CB605_211	J13085	BOTTOM	1.705	0.65	NO	0
OR1504	CB569_376	J13940	BOTTOM	1.499	0.65	NO	0
OR1505	CB210_604	J13088	BOTTOM	1.456	0.65	NO	0
OR1506	CB626_627	J12877	BOTTOM	1.598	0.65	NO	0
OR1507	CB625_264	J11529	BOTTOM	1.718	0.65	NO	0
OR1508	CB576_383	J8271	BOTTOM	1.547	0.65	NO	0
OR1509	CB348_149	J7513	BOTTOM	1.4	0.65	NO	0
OR151	CB558_707	STM1826	SIDE	0	0.65	NO	0
OR1510	CB612_253	J6675	BOTTOM	1.929	0.65	NO	0
OR1511	CB347_148	J7657	BOTTOM	1.579	0.65	NO	0
OR1512	CB346_147	J7952	BOTTOM	1.531	0.65	NO	0
OR1513	CB344_145	J9040	BOTTOM	1.45	0.65	NO	0
OR1514	CB343_144	J9199	BOTTOM	1.822	0.65	NO	0
OR1515	CB59_11	J6365	BOTTOM	1.4	0.65	NO	0
OR1516	CB579	J5692	BOTTOM	1.434	0.65	NO	0
OR1517	CB580	J5183	BOTTOM	1.632	0.65	NO	0
OR1518	CB10_56	J4922	BOTTOM	1.4	0.65	NO	0
OR1519	CB53_52	J5172	BOTTOM	1.841	0.65	NO	0
;continuous grade							
OR152	CB665_1468	STM1819	SIDE	0	0.65	NO	0
OR1520	CB9_4234	J5293	BOTTOM	1.571	0.65	NO	0
OR1521	CB581_582	J3888	BOTTOM	1.572	0.65	NO	0
OR1522	CB583_388	J3460	BOTTOM	1.405	0.65	NO	0
OR1523	CB25_4223	J2847	BOTTOM	1.492	0.65	NO	0
OR1524	CB584_389	J2557	BOTTOM	1.472	0.65	NO	0
OR1525	CB76_24	J2844	BOTTOM	1.598	0.65	NO	0
OR1526	CB22_74	J3042	BOTTOM	1.442	0.65	NO	0

OR1527	CB36_86	J2743	BOTTOM	1.4	0.65	NO	0
OR1528	CB37_87	J1857	BOTTOM	1.4	0.65	NO	0
OR1529	CB34_35	J1423	BOTTOM	1.409	0.65	NO	0
;continuous grade							
OR153	CB666_1467	STM1812	SIDE	0	0.65	NO	0
OR1530	CB75_23	J2836	BOTTOM	1.773	0.65	NO	0
OR1531	CB15_68	J2644	BOTTOM	1.786	0.65	NO	0
OR1532	CB4225_67	J2013	BOTTOM	1.476	0.65	NO	0
OR1533	CB4224_16	J2639	BOTTOM	1.458	0.65	NO	0
OR1534	CB17_69	J2935	BOTTOM	1.846	0.65	NO	0
OR1535	CB335_133	J13927	BOTTOM	1.575	0.65	NO	0
OR1536	CB334_132	J13711	BOTTOM	1.705	0.65	NO	0
OR1537	CB131_333	J13936	BOTTOM	1.4	0.65	NO	0
OR1538	CB349_150	J10747	BOTTOM	1.417	0.65	NO	0
OR1539	CB330_126	J15916	BOTTOM	1.4	0.65	NO	0
OR154	CB709_708	STM1812	SIDE	0	0.65	NO	0
OR1540	CB140	J12655	BOTTOM	1.454	0.65	NO	0
OR1541	CB341_342	J10386	BOTTOM	1.4	0.65	NO	0
OR1542	CB345_146	J8724	BOTTOM	1.505	0.65	NO	0
OR1543	CB48	J7499	BOTTOM	1.434	0.65	NO	0
OR1544	CB54_55	J5176	BOTTOM	1.4	0.65	NO	0
OR1545	CB585_395	J1943	BOTTOM	1.636	0.65	NO	0
OR1546	CB586_590	J1359	BOTTOM	1.539	0.65	NO	0
OR1547	CB577_384	J6796	BOTTOM	1.4	0.65	NO	0
OR1548	CB578	J6095	BOTTOM	1.453	0.65	NO	0
OR1549	CB460_461	J1253	BOTTOM	1.614	0.65	NO	0
OR155	CB711_710	STM1384	SIDE	0	0.65	NO	0
OR1550	CB459_648	J1571	BOTTOM	1.538	0.65	NO	0
OR1551	CB458_647	J2123	BOTTOM	1.534	0.65	NO	0
OR1552	CB457_4216	J2756	BOTTOM	1.572	0.65	NO	0
OR1553	CB632_633	J16835	BOTTOM	1.485	0.65	NO	0
OR1554	CB268_631	J15285	BOTTOM	1.559	0.65	NO	0
OR1555	CB726_725	J16167	BOTTOM	1.4	0.65	NO	0
OR1556	CB723_724	J15960	BOTTOM	1.4	0.65	NO	0
OR1557	CB634_269	J18285	BOTTOM	1.538	0.65	NO	0
OR1558	CB637_635	J19998	BOTTOM	1.456	0.65	NO	0
OR1559	CB636_270	J21431	BOTTOM	1.589	0.65	NO	0
OR156	CB667_712	STM1384	SIDE	0	0.65	NO	0
OR1560	CB238_239	J23632	BOTTOM	1.427	0.65	NO	0
OR1561	CB191_237	J26591	BOTTOM	1.692	0.65	NO	0
OR1562	CB267_630	J13315	BOTTOM	1.428	0.65	NO	0
OR1563	CB8337_8336	J11733	BOTTOM	1.43	0.65	NO	0
OR1564	CB4292_4291	J10601	BOTTOM	1.4	0.65	NO	0
OR1565	CB4281_4296	J9235	BOTTOM	1.402	0.65	NO	0
OR1566	CB4287_4288	J8296	BOTTOM	1.4	0.65	NO	0
OR1567	CB4285_4286	J6679	BOTTOM	1.405	0.65	NO	0
OR1568	CB306A	J5850	BOTTOM	1.443	0.65	NO	0
OR1569	CB259_620	J5971	BOTTOM	1.445	0.65	NO	0
OR157	CB668_806	STM836	SIDE	0	0.65	NO	0
OR1570	CB621_260	J7086	BOTTOM	1.574	0.65	NO	0
OR1571	CB601	J17052	BOTTOM	1.476	0.65	NO	0
OR1572	CB600_206	J17055	BOTTOM	1.495	0.65	NO	0
OR1573	CB368	J24354	BOTTOM	1.4	0.65	NO	0
OR1574	CB560_367	J24608	BOTTOM	1.447	0.65	NO	0
OR1575	CB592_196	J29592	BOTTOM	1.455	0.65	NO	0
OR1576	CB189_228	J29597	BOTTOM	1.532	0.65	NO	0
OR1577	CB188_187	J28804	BOTTOM	1.421	0.65	NO	0
OR1578	CB227	J28304	BOTTOM	1.443	0.65	NO	0
OR1579	CB4211	J28070	BOTTOM	1.45	0.65	NO	0
OR158	CB1	STM2274	SIDE	0	0.65	NO	0
OR1580	CB278_277	J29337	BOTTOM	1.595	0.65	NO	0
OR1581	CB201_202	J23371	BOTTOM	1.582	0.65	NO	0
OR1582	CB594_200	J25096	BOTTOM	1.527	0.65	NO	0
OR1583	CB965_663	J33951	BOTTOM	1.4	0.65	NO	0

OR1584	CB660_890	J33956	BOTTOM	1.524	0.65	NO	0
OR1585	CB6302_6303	J34235	BOTTOM	1.584	0.65	NO	0
OR1586	CB658_887	J33667	BOTTOM	1.526	0.65	NO	0
OR1587	CB359_358	J30949	BOTTOM	1.463	0.65	NO	0
OR1588	CB361_360	J29869	BOTTOM	1.427	0.65	NO	0
OR1589	CB363_364	J29588	BOTTOM	1.535	0.65	NO	0
OR159	CB749_814	STM2278	SIDE	0	0.65	NO	0
OR1590	CB412_413_366	J26316	BOTTOM	1.642	0.65	NO	0
OR1591	CB4316_402	J29045	BOTTOM	1.475	0.65	NO	0
OR1592	CB182_223	J22873	BOTTOM	1.43	0.65	NO	0
OR1593	CB4219_4218	J22875	BOTTOM	1.447	0.65	NO	0
OR1594	CB183_224	J25101	BOTTOM	1.819	0.65	NO	0
OR1595	CB551_552	J24147	BOTTOM	1.456	0.65	NO	0
OR1596	CB550_696	J23654	BOTTOM	1.4	0.65	NO	0
OR1597	CB1556_990	J38602	BOTTOM	1.605	0.65	NO	0
OR1598	CB1162	J39058	BOTTOM	2.002	0.65	NO	0
OR1599	CB1161	J38130	BOTTOM	1.574	0.65	NO	0
;continuous grade							
OR160	CB812_813	STM2282	SIDE	0	0.65	NO	0
OR1600	J2139	STM1712	SIDE	0	0.65	NO	0
OR1601	J2136	STM1958	SIDE	0	0.65	NO	0
OR1602	CB4376	J36355	BOTTOM	1.657	0.65	NO	0
OR1603	CB1552_984	J35571	BOTTOM	1.484	0.65	NO	0
OR1604	CB1549_975	J36901	BOTTOM	1.624	0.65	NO	0
OR1605	CB1554_987	J37662	BOTTOM	1.4	0.65	NO	0
OR1606	CB1014	J39920	BOTTOM	1.629	0.65	NO	0
OR1607	CB1006_4472	J40114	BOTTOM	1.436	0.65	NO	0
OR1608	CB4212_1561	J40490	BOTTOM	1.429	0.65	NO	0
OR1609	CB1563	J41869	BOTTOM	1.465	0.65	NO	0
;continuous grade							
OR161	CB748_811	STM2282	SIDE	0	0.65	NO	0
OR1610	CB1001	J41736	BOTTOM	1.418	0.65	NO	0
OR1611	CB1548_1662	J38395	BOTTOM	1.403	0.65	NO	0
OR1612	CB1661_1547	J39729	BOTTOM	1.511	0.65	NO	0
OR1613	CB1540_1652	J40849	BOTTOM	1.429	0.65	NO	0
OR1614	CB1539_1651	J41184	BOTTOM	1.429	0.65	NO	0
OR1615	CB1649_1537	J42446	BOTTOM	1.4	0.65	NO	0
OR1616	CB1535_1647	J42858	BOTTOM	1.4	0.65	NO	0
OR1617	CB1646_1534	J42587	BOTTOM	1.821	0.65	NO	0
OR1618	CB1529_1642	J40523	BOTTOM	1.453	0.65	NO	0
OR1619	CB1640	J40153	BOTTOM	1.514	0.65	NO	0
OR162	CB747_810	STM2286	SIDE	0	0.65	NO	0
OR1620	CB1639_1641	J38417	BOTTOM	1.685	0.65	NO	0
OR1621	CB976	J36112	BOTTOM	1.495	0.65	NO	0
OR1622	CB1628_1629	J36376	BOTTOM	1.549	0.65	NO	0
OR1623	CB1630_1521	J38164	BOTTOM	1.472	0.65	NO	0
OR1624	CB9959_9960	J39882	BOTTOM	1.49	0.65	NO	0
OR1625	CB2719_2773	J45612	BOTTOM	1.537	0.65	NO	0
OR1626	CB2718_2772	J46114	BOTTOM	1.439	0.65	NO	0
OR1627	CB2770_2716	J47519	BOTTOM	1.442	0.65	NO	0
OR1628	CB2909_2910	J45724	BOTTOM	1.47	0.65	NO	0
OR1629	CB2800_2740	J44515	BOTTOM	1.607	0.65	NO	0
OR163	CB746_808	STM2293	SIDE	0	0.65	NO	0
OR1630	CB2802_2741	J44397	BOTTOM	1.529	0.65	NO	0
OR1631	CB2907_2753	J45090	BOTTOM	2.121	0.65	NO	0
OR1632	CB2913_2759	J46231	BOTTOM	1.4	0.65	NO	0
OR1633	CB2916_2915	J46838	BOTTOM	1.697	0.65	NO	0
OR1634	CB2762_2763	J46839	BOTTOM	1.45	0.65	NO	0
OR1635	CB2992_2926	J48219	BOTTOM	1.473	0.65	NO	0
OR1636	CB3075_2817	J49204	BOTTOM	1.4	0.65	NO	0
OR1637	CB2933_2994	J50419	BOTTOM	1.485	0.65	NO	0
OR1638	CB2996_2935	J50956	BOTTOM	1.654	0.65	NO	0
OR1639	CB2937_2999	J51690	BOTTOM	1.603	0.65	NO	0
OR164	CB757_824	STM2286	SIDE	0	0.65	NO	0

OR1640	CB2939_3008	J53097	BOTTOM	1.409	0.65	NO	0
OR1641	CB3005_2938	J52745	BOTTOM	1.4	0.65	NO	0
OR1642	CB2940_3011	J53359	BOTTOM	1.492	0.65	NO	0
OR1643	CB3016_	J53959	BOTTOM	1.4	0.65	NO	0
OR1644	CB3109_2842	J54224	BOTTOM	1.41	0.65	NO	0
OR1645	CB2841_	J54395	BOTTOM	1.73	0.65	NO	0
OR1646	CB2831_3092	J54229	BOTTOM	1.425	0.65	NO	0
OR1647	CB3089_2828	J54235	BOTTOM	1.681	0.65	NO	0
OR1648	CB2840_3105	J54914	BOTTOM	1.4	0.65	NO	0
OR1649	CB2839_3101	J55800	BOTTOM	1.309	0.65	NO	0
OR165	CB1472_1567	STM2623	SIDE	0	0.65	NO	0
OR1650	CB2858_3126	J56673	BOTTOM	1.4	0.65	NO	0
OR1651	CB2837_2838	J56832	BOTTOM	1.426	0.65	NO	0
OR1652	CB3095_2836	J57423	BOTTOM	1.554	0.65	NO	0
OR1653	CB3135_2867	J57098	BOTTOM	1.4	0.65	NO	0
OR1654	CB2868_3136	J57350	BOTTOM	1.4	0.65	NO	0
OR1655	CB2869_3137	J57515	BOTTOM	1.289	0.65	NO	0
OR1656	CB3138_2870	J57525	BOTTOM	1.404	0.65	NO	0
OR1657	CB3145_2874	J55113	BOTTOM	1.472	0.65	NO	0
OR1658	CB2875_3148	J54412	BOTTOM	1.5	0.65	NO	0
OR1659	CB3146_3147	J54157	BOTTOM	1.459	0.65	NO	0
OR166	CB1473_1568	STM2618	SIDE	0	0.65	NO	0
OR1660	CB2830_3091	J53982	BOTTOM	1.497	0.65	NO	0
OR1661	CB2829_3090	J54065	BOTTOM	1.4	0.65	NO	0
OR1662	CB3088_2827	J53971	BOTTOM	1.453	0.65	NO	0
OR1663	CB2826_3087	J53626	BOTTOM	1.691	0.65	NO	0
OR1664	CB4357_4326	J53021	BOTTOM	1.538	0.65	NO	0
OR1665	CB217_610	J16824	BOTTOM	1.403	0.65	NO	0
OR1666	CB245_287	J9896	BOTTOM	1.655	0.65	NO	0
OR1667	CB250_292	J7240	BOTTOM	1.564	0.65	NO	0
OR1668	CB251_295	J6108	BOTTOM	1.4	0.65	NO	0
OR1669	CB804_874	J11011	BOTTOM	1.425	0.65	NO	0
OR167	CB1593_1496	STM3531	SIDE	0	0.65	NO	0
OR1670	CB864_863	J3307	BOTTOM	1.45	0.65	NO	0
OR1671	CB848_849	J3195_2	BOTTOM	1.428	0.65	NO	0
OR1672	CB507_506	J3000_2	BOTTOM	1.578	0.65	NO	0
OR1673	CB503_	J2699_2	BOTTOM	1.296	0.65	NO	0
OR1674	CB1594_1497	J27131	BOTTOM	1.648	0.65	NO	0
OR1675	CB1279_1280	J33437	BOTTOM	1.526	0.65	NO	0
OR1676	CB1203_1204	J33433	BOTTOM	1.48	0.65	NO	0
OR1677	CB1206_1205	J33427	BOTTOM	1.411	0.65	NO	0
OR1678	CB1282_1281	J33425	BOTTOM	1.432	0.65	NO	0
OR1679	CB1283_1284	J33422	BOTTOM	1.501	0.65	NO	0
OR168	CB1594_1497	STM2001	SIDE	0	0.65	NO	0
OR1680	CB1209_	J33420	BOTTOM	1.818	0.65	NO	0
OR1681	CB1286_1285	J33418	BOTTOM	1.477	0.65	NO	0
OR1682	CB1207_1208	J33416	BOTTOM	1.461	0.65	NO	0
OR1683	CB1220_1221	J33414	BOTTOM	1.421	0.65	NO	0
OR1684	CB1287_1298	J33705	BOTTOM	1.66	0.65	NO	0
OR1685	CB1302_1303	J33408	BOTTOM	1.528	0.65	NO	0
OR1686	CB1304_1305	J33131	BOTTOM	1.561	0.65	NO	0
OR1687	CB1306_1307	J32857	BOTTOM	1.503	0.65	NO	0
OR1688	CB1308_1309	J32856	BOTTOM	1.418	0.65	NO	0
OR1689	CB4321_	J32853	BOTTOM	1.518	0.65	NO	0
OR169	CB1586_1489	STM2619	SIDE	0	0.65	NO	0
OR1690	CB881_963	J33972	BOTTOM	1.471	0.65	NO	0
OR1691	CB950_885	J33968	BOTTOM	1.429	0.65	NO	0
OR1692	CB657_886	J33964	BOTTOM	1.409	0.65	NO	0
OR1693	CB1202_1201	J33445	BOTTOM	1.575	0.65	NO	0
OR1694	CB1194_1195	J33173	BOTTOM	1.876	0.65	NO	0
OR1695	CB1190_1277	J33179	BOTTOM	1.5	0.65	NO	0
OR1696	CB617_258	J5698	BOTTOM	1.452	0.65	NO	0
OR1697	CB181_222	J21170	BOTTOM	1.559	0.65	NO	0
OR1698	CB180_221	J19738	BOTTOM	1.54	0.65	NO	0

OR1699	CB220_179	J19008	BOTTOM	1.552	0.65	NO	0
OR17	BP_CBMH9	J13	SIDE	0	0.65	NO	0
OR170	CB1599_1501	STM2019	SIDE	0	0.65	NO	0
OR1700	CB219_218	J17295	BOTTOM	1.414	0.65	NO	0
OR1701	CB639_640	J16827	BOTTOM	1.511	0.65	NO	0
OR1702	CB271_638	J16603	BOTTOM	1.428	0.65	NO	0
OR1703	CB694_693	J24140	BOTTOM	1.763	0.65	NO	0
OR1704	CB549_695	J23883	BOTTOM	1.535	0.65	NO	0
OR1705	CB747_810	J21218	BOTTOM	1.965	0.65	NO	0
OR1706	CB748_811	J20028	BOTTOM	1.619	0.65	NO	0
OR1707	CB812_813	J18803	BOTTOM	1.417	0.65	NO	0
OR1708	CB749_814	J16871	BOTTOM	1.881	0.65	NO	0
OR1709	CB665_1468	J20731	BOTTOM	1.4	0.65	NO	0
OR171	CB1589_1492	STM2634	SIDE	0	0.65	NO	0
OR1710	CB666_1467	J19778	BOTTOM	1.879	0.65	NO	0
OR1711	CB709_708	J18798	BOTTOM	1.4	0.65	NO	0
OR1712	CB711_710	J17578	BOTTOM	1.572	0.65	NO	0
OR1713	CB667_712	J16189	BOTTOM	1.431	0.65	NO	0
OR1714	CB668_806	J15314	BOTTOM	1.451	0.65	NO	0
OR1715	CB805_875	J13768	BOTTOM	1.4	0.65	NO	0
OR1716	CB803_873	J9764	BOTTOM	1.4	0.65	NO	0
OR1717	CB1472_1567	J24416	BOTTOM	1.712	0.65	NO	0
OR1718	CB1473_1568	J24907	BOTTOM	1.402	0.65	NO	0
OR1719	CB1474_1569	J25167	BOTTOM	1.462	0.65	NO	0
OR172	CB767_836	STM1929	SIDE	0	0.65	NO	0
OR1720	CB1475_1570	J23921	BOTTOM	1.402	0.65	NO	0
OR1721	CB1585_1488	J22448	BOTTOM	1.585	0.65	NO	0
OR1722	CB1584_1487	J21242	BOTTOM	1.721	0.65	NO	0
OR1723	CB1576_1479	J19561	BOTTOM	1.528	0.65	NO	0
OR1724	CB1583_1485	J18101	BOTTOM	1.428	0.65	NO	0
OR1725	CB1416_1455	J17128	BOTTOM	1.621	0.65	NO	0
OR1726	CB1418_1457	J15778	BOTTOM	1.551	0.65	NO	0
OR1727	CB1484_1582	J16891	BOTTOM	1.4	0.65	NO	0
OR1728	CB1580_1581	J18332	BOTTOM	1.678	0.65	NO	0
OR1729	CB1579_1483	J20282	BOTTOM	1.535	0.65	NO	0
OR173	CB768_837	STM1933	SIDE	0	0.65	NO	0
OR1730	CB1586_1489	J26149	BOTTOM	1.791	0.65	NO	0
OR1731	CB1593_1496	J25895	BOTTOM	1.854	0.65	NO	0
OR1732	CB1589_1492	J26396	BOTTOM	1.455	0.65	NO	0
OR1733	CB1420_1459	J14674	BOTTOM	1.555	0.65	NO	0
OR1734	CB1421_1462	J14015	BOTTOM	1.475	0.65	NO	0
OR1735	CB1464_1463	J12946	BOTTOM	1.566	0.65	NO	0
OR1736	CB1422_4249	J11228	BOTTOM	1.477	0.65	NO	0
OR1737	CB1399_1440	J11418_3	BOTTOM	1.4	0.65	NO	0
OR1738	CB1398_1439	J9630	BOTTOM	1.494	0.65	NO	0
OR1739	CB1397_1438	J8971_2	BOTTOM	1.512	0.65	NO	0
OR174	CB767_838	STM1934	SIDE	0	0.65	NO	0
OR1740	CB1396_1437	J8817_1	BOTTOM	1.45	0.65	NO	0
OR1741	CB1395_1433	J7451_1	BOTTOM	1.4	0.65	NO	0
OR1742	CB1393	J8965	BOTTOM	1.46	0.65	NO	0
OR1743	CB1391_1394	J7158	BOTTOM	1.5	0.65	NO	0
OR1744	CB1432	J7014	BOTTOM	1.501	0.65	NO	0
OR1745	CB1426_1427	J5907_2	BOTTOM	1.72	0.65	NO	0
OR1746	CB767_836	J9282_2	BOTTOM	1.509	0.65	NO	0
OR1747	CB768_837	J10120	BOTTOM	1.626	0.65	NO	0
OR1748	CB767_838	J11401	BOTTOM	1.486	0.65	NO	0
OR1749	CB770_839	J12936	BOTTOM	1.441	0.65	NO	0
OR175	CB770_839	STM1938	SIDE	0	0.65	NO	0
OR1750	CB800_870	J8181	BOTTOM	1.4	0.65	NO	0
OR1751	CB799_869	J7434_2	BOTTOM	1.784	0.65	NO	0
OR1752	CB798_868	J6028_2	BOTTOM	1.625	0.65	NO	0
OR1753	CB779_845	J7887_1	BOTTOM	1.442	0.65	NO	0
OR1754	CB1447_1407	J8828	BOTTOM	1.783	0.65	NO	0
OR1755	CB1446_1406	J9972	BOTTOM	1.403	0.65	NO	0

OR1756	CB1405_4238	J10674	BOTTOM	1.513	0.65	NO	0
OR1757	CB1404_1445	J11615	BOTTOM	1.499	0.65	NO	0
OR1758	CB1450_1411	J14030	BOTTOM	1.556	0.65	NO	0
OR1759	CB1605_1505	J27882	BOTTOM	1.425	0.65	NO	0
OR176	CB805_875	STM1083	SIDE	0	0.65	NO	0
OR1760	CB1599_1501	J28866	BOTTOM	1.433	0.65	NO	0
OR1761	CB1600_1502	J29936	BOTTOM	1.8	0.65	NO	0
OR1762	CB720_670	J15743	BOTTOM	1.4	0.65	NO	0
OR1763	CB718_719	J15520	BOTTOM	1.566	0.65	NO	0
OR1764	CB740_739	J15750	BOTTOM	1.461	0.65	NO	0
OR1765	CB669_713	J15085	BOTTOM	1.45	0.65	NO	0
OR1766	CB1459	J14868	BOTTOM	1.488	0.65	NO	0
OR1767	CB758_825	J14872	BOTTOM	1.621	0.65	NO	0
OR1768	CB750_751	J14875	BOTTOM	1.506	0.65	NO	0
OR1769	CB815_816	J16412	BOTTOM	1.4	0.65	NO	0
OR177	CB804_874	STM1073	SIDE	0	0.65	NO	0
OR1770	CB817_752	J17829	BOTTOM	1.447	0.65	NO	0
OR1771	CB818_753	J18809	BOTTOM	1.496	0.65	NO	0
OR1772	CB819_754	J20980	BOTTOM	1.405	0.65	NO	0
OR1773	CB757_824	J22176	BOTTOM	1.41	0.65	NO	0
OR1774	CB746_808	J24157	BOTTOM	1.423	0.65	NO	0
OR1775	CB4514	J43426	BOTTOM	1.513	0.65	NO	0
OR1776	CB4515	J42889	BOTTOM	1.554	0.65	NO	0
OR1777	CB4460	J42483	BOTTOM	1.546	0.65	NO	0
OR1778	CB940_939	J42208	BOTTOM	1.4	0.65	NO	0
OR1779	CB4459_4458	J41803	BOTTOM	1.575	0.65	NO	0
OR178	CB803_873	STM1066	SIDE	0	0.65	NO	0
OR1780	CB4457_4456	J41231	BOTTOM	1.763	0.65	NO	0
OR1781	CB4456_4454	J40725	BOTTOM	1.487	0.65	NO	0
OR1782	CB4453_4452	J40369	BOTTOM	1.578	0.65	NO	0
OR1783	CB4451_4548	J40184	BOTTOM	1.573	0.65	NO	0
OR1784	CB4547_4546	J39785	BOTTOM	1.499	0.65	NO	0
OR1785	CB4519_930	J39138	BOTTOM	1.4	0.65	NO	0
OR1786	CB4275_938	J38686	BOTTOM	1.4	0.65	NO	0
OR1787	CB951_935	J35890	BOTTOM	1.604	0.65	NO	0
OR1788	CB4324_4325	J35370	BOTTOM	1.637	0.65	NO	0
OR1789	CB1275_4323	J34315	BOTTOM	1.4	0.65	NO	0
OR179	CB901	STM2027	SIDE	0	0.65	NO	0
OR1790	CB1189_1276	J33184	BOTTOM	1.461	0.65	NO	0
OR1791	CB952	J32634	BOTTOM	1.594	0.65	NO	0
OR1792	CB1766	J31553	BOTTOM	1.46	0.65	NO	0
OR1793	CB4338	J30753	BOTTOM	1.561	0.65	NO	0
OR1794	CB947_4339	J28882	BOTTOM	1.618	0.65	NO	0
OR1795	CB946_4340	J26903	BOTTOM	1.573	0.65	NO	0
OR1796	CB1896	J25659	BOTTOM	1.4	0.65	NO	0
OR1797	CB945_928	J24681	BOTTOM	1.4	0.65	NO	0
OR1798	CB943_944	J23200	BOTTOM	1.4	0.65	NO	0
OR1799	CB934_942	J21982	BOTTOM	1.565	0.65	NO	0
OR18	CB1939_2004	STM3274	SIDE	0	0.65	NO	0
;continuous grade							
OR180	CB800_870	STM2026	SIDE	0	0.65	NO	0
OR1800	CB2493_2453	J26411	BOTTOM	1.4	0.65	NO	0
OR1801	CB2452	J26665	BOTTOM	1.4	0.65	NO	0
OR1802	CB2492	J26671	BOTTOM	1.411	0.65	NO	0
OR1803	CB2491_2451	J26674	BOTTOM	1.4	0.65	NO	0
OR1804	CB2306_2423	J25459	BOTTOM	1.53	0.65	NO	0
OR1805	CB2298	J25461	BOTTOM	1.769	0.65	NO	0
OR1806	CB2411_2297	J23729	BOTTOM	1.885	0.65	NO	0
OR1807	CB2296_2410	J21781	BOTTOM	1.699	0.65	NO	0
OR1808	CB2409_2295	J20340	BOTTOM	1.891	0.65	NO	0
OR1809	CB2292	J18386	BOTTOM	1.425	0.65	NO	0
;continuous grade							
OR181	CB799_869	STM2028	SIDE	0	0.65	NO	0
OR1810	CB2475_2474	J25680	BOTTOM	1.4	0.65	NO	0

OR1811	CB546_449	J5461	BOTTOM	1.4	0.65	NO	0
OR1812	CB545_448	J5721	BOTTOM	1.409	0.65	NO	0
OR1813	CB520	J5861	BOTTOM	1.457	0.65	NO	0
OR1814	CB543_445	J6406	BOTTOM	1.671	0.65	NO	0
OR1815	CB544_446	J6412	BOTTOM	1.4	0.65	NO	0
OR1816	CB850	J6561	BOTTOM	1.4	0.65	NO	0
OR1817	CB852_851	J6709_1	BOTTOM	1.419	0.65	NO	0
OR1818	CB854_853	J6988	BOTTOM	1.634	0.65	NO	0
OR1819	CB872_802	J7423	BOTTOM	1.49	0.65	NO	0
OR182	CB798_868	STM2035	SIDE	0	0.65	NO	0
OR1820	CB537_538	J7999	BOTTOM	1.591	0.65	NO	0
OR1821	CB542	J7410	BOTTOM	1.875	0.65	NO	0
OR1822	CB858_855	J5880_2	BOTTOM	1.426	0.65	NO	0
OR1823	CB791	J4986	BOTTOM	1.526	0.65	NO	0
OR1824	CB792	J4166	BOTTOM	1.418	0.65	NO	0
OR1825	CB4279_4297	J52509	BOTTOM	1.472	0.65	NO	0
OR1826	CB4266_4278	J51793	BOTTOM	1.52	0.65	NO	0
OR1827	CB941_155	J51518	BOTTOM	1.601	0.65	NO	0
OR1828	CB3079_3081	J50883	BOTTOM	1.433	0.65	NO	0
OR1829	CB3078_2820	J50790	BOTTOM	1.4	0.65	NO	0
OR183	CB1426_1427	STM1439	SIDE	0	0.65	NO	0
OR1830	CB3077_2819	J50243	BOTTOM	1.461	0.65	NO	0
OR1831	CB3076_2818	J49775	BOTTOM	1.562	0.65	NO	0
OR1832	CB2815_3073	J49109	BOTTOM	1.486	0.65	NO	0
OR1833	CB3084_2823	J52228	BOTTOM	1.425	0.65	NO	0
OR1834	CB3085_2824	J52144	BOTTOM	1.469	0.65	NO	0
OR1835	CB3141_3140	J56934	BOTTOM	1.42	0.65	NO	0
OR1836	CB3129_2861	J55102	BOTTOM	1.519	0.65	NO	0
OR1837	CB42	J1063	BOTTOM	1.577	0.65	NO	0
OR1838	CB41_40	J1178	BOTTOM	1.448	0.65	NO	0
OR1839	CB39	J25437	BOTTOM	1.435	0.65	NO	0
OR184	CB1396_1437	STM1905	SIDE	0	0.65	NO	0
OR1840	CB82_27	J1077	BOTTOM	1.44	0.65	NO	0
OR1841	CB1325	J1141	BOTTOM	1.446	0.65	NO	0
OR1842	CB1326	J1142	BOTTOM	1.465	0.65	NO	0
OR1843	CB452_451	J2959	BOTTOM	1.585	0.65	NO	0
OR1844	CB1377	J4310	BOTTOM	1.399	0.65	NO	0
OR1845	CB1382	J4652	BOTTOM	1.517	0.65	NO	0
OR1846	CB1384	J5020	BOTTOM	1.427	0.65	NO	0
OR1847	CB1385	J5147	BOTTOM	1.479	0.65	NO	0
OR1848	CB1386	J5653	BOTTOM	1.466	0.65	NO	0
OR1849	CB1738_1039	J36290	BOTTOM	1.4	0.65	NO	0
OR185	CB1397_1438	STM1905	SIDE	0	0.65	NO	0
OR1850	CB1049_1048	J39442	BOTTOM	1.539	0.65	NO	0
OR1851	CB1822_1823	J43301	BOTTOM	1.4	0.65	NO	0
OR1852	CB2478_2431	J10193	BOTTOM	1.416	0.65	NO	0
OR1853	CB2395_2280	J10718	BOTTOM	1.596	0.65	NO	0
OR1854	CB2397_2282	J11280	BOTTOM	1.445	0.65	NO	0
OR1855	CB2396_2281	J12042	BOTTOM	1.452	0.65	NO	0
OR1856	CB2430_2311	J12811	BOTTOM	1.628	0.65	NO	0
OR1857	CB2401_2287	J15179	BOTTOM	1.4	0.65	NO	0
OR1858	CB2288_2402	J15839	BOTTOM	1.761	0.65	NO	0
OR1859	CB2075_4327	J18220	BOTTOM	1.492	0.65	NO	0
OR186	CB1399_1440	STM2531	SIDE	0	0.65	NO	0
OR1860	CB4310	J18463	BOTTOM	1.4	0.65	NO	0
OR1861	CB2076	J18951	BOTTOM	1.703	0.65	NO	0
OR1862	CB2077	J18952	BOTTOM	1.717	0.65	NO	0
OR1863	CB2078	J19443	BOTTOM	1.53	0.65	NO	0
OR1864	CB4311	J19688	BOTTOM	1.704	0.65	NO	0
OR1865	CB2168	J19934	BOTTOM	1.4	0.65	NO	0
OR1866	CB4331	J20885	BOTTOM	1.4	0.65	NO	0
OR1867	CB4330	J21368	BOTTOM	1.4	0.65	NO	0
OR1868	CB4329	J21367_1	BOTTOM	1.772	0.65	NO	0
OR1869	CB4328	J21613	BOTTOM	1.4	0.65	NO	0

OR187	CB1421_1462	STM3662	SIDE	0	0.65	NO	0
OR1870	CB2080	J22083	BOTTOM	1.69	0.65	NO	0
OR1871	CB2079	J22319	BOTTOM	1.4	0.65	NO	0
OR1872	CB2081	J22318_1	BOTTOM	2.135	0.65	NO	0
OR1873	CB4333	J22813	BOTTOM	1.4	0.65	NO	0
OR1874	CB4332	J23064	BOTTOM	1.574	0.65	NO	0
OR1875	CB4334	J24049	BOTTOM	1.527	0.65	NO	0
OR1876	CB2171	J25773	BOTTOM	1.647	0.65	NO	0
OR1877	CB2090	J26017	BOTTOM	1.443	0.65	NO	0
OR1878	CB2170	J26517	BOTTOM	1.522	0.65	NO	0
OR1879	CB5368	J27519	BOTTOM	1.427	0.65	NO	0
OR188	CB1461_1460	STM3662	SIDE	0	0.65	NO	0
OR1880	CB1609_1610	J39554	BOTTOM	1.4	0.65	NO	0
OR1881	CB1625_1518	J40705	BOTTOM	1.454	0.65	NO	0
OR1882	CB1626_1519	J42189	BOTTOM	1.898	0.65	NO	0
OR1883	CB3439	J47804	BOTTOM	1.4	0.65	NO	0
OR1884	CB3386_3384	J47900	BOTTOM	1.537	0.65	NO	0
OR1885	CB3387_3383	J47894	BOTTOM	1.516	0.65	NO	0
OR1886	CB3388_3382	J47888	BOTTOM	1.4	0.65	NO	0
OR1887	CB558_707	J21462	BOTTOM	1.488	0.65	NO	0
OR1888	CB185_226	J27572	BOTTOM	1.498	0.65	NO	0
OR1889	CB197_593	J27819	BOTTOM	1.409	0.65	NO	0
OR189	CB819_754	STM4246	SIDE	0	0.65	NO	0
OR1890	CB184_225	J26330	BOTTOM	1.879	0.65	NO	0
OR1891	CB683_682	J18791	BOTTOM	1.532	0.65	NO	0
OR1892	CB741_738	J16859	BOTTOM	1.4	0.65	NO	0
OR1893	CB1	J15098	BOTTOM	1.495	0.65	NO	0
OR1894	CB1419_1458	J15339	BOTTOM	1.454	0.65	NO	0
OR1895	CB1461_1460	J14243	BOTTOM	1.4	0.65	NO	0
OR1896	CB1892_1891	J13161	BOTTOM	1.4	0.65	NO	0
OR1897	CB1087	J34200	BOTTOM	1.534	0.65	NO	0
OR1898	CB1078	J34208	BOTTOM	1.481	0.65	NO	0
OR1899	CB926	J33614	BOTTOM	1.584	0.65	NO	0
OR19	CB2002_1937	STM3259	SIDE	0	0.65	NO	0
OR190	CB818_753	STM3651	SIDE	0	0.65	NO	0
OR1900	CB1775_1774	J37845	BOTTOM	1.476	0.65	NO	0
OR1901	CB1648_1534	J42583	BOTTOM	1.644	0.65	NO	0
OR1902	CB2	J47880	BOTTOM	1.497	0.65	NO	0
OR1903	CB3	J44856	BOTTOM	1.773	0.65	NO	0
OR1904	CB2765_2711	J46830	BOTTOM	1.4	0.65	NO	0
OR1905	CB2766	J46934	BOTTOM	1.52	0.65	NO	0
OR1906	CB2927_2990	J47534	BOTTOM	1.555	0.65	NO	0
OR1907	CB3074_2816	J48711	BOTTOM	1.4	0.65	NO	0
OR1908	CB2083	J51510	BOTTOM	1.4	0.65	NO	0
OR1909	CB2832_2833	J49290	BOTTOM	1.889	0.65	NO	0
OR191	CB815_816	STM3642	SIDE	0	0.65	NO	0
OR1910	CB1557	J38606	BOTTOM	1.439	0.65	NO	0
OR1911	CB1558	J38377	BOTTOM	1.486	0.65	NO	0
OR1912	CB1250	J40825	BOTTOM	1.477	0.65	NO	0
OR1913	CB1252	J42407	BOTTOM	1.609	0.65	NO	0
OR1914	CB2750	J43213	BOTTOM	1.459	0.65	NO	0
OR1915	CB2742_2805	J43890	BOTTOM	1.623	0.65	NO	0
OR1916	CB967_896	J33945	BOTTOM	1.4	0.65	NO	0
OR1917	CB973_903	J33939	BOTTOM	1.4	0.65	NO	0
OR1918	CB1065	J34216	BOTTOM	1.556	0.65	NO	0
OR1919	CB1074	J33932	BOTTOM	1.4	0.65	NO	0
OR192	CB817_752	STM3642	SIDE	0	0.65	NO	0
OR1920	CB293_294	J6810	BOTTOM	1.614	0.65	NO	0
OR1921	CB901	J8490_1	BOTTOM	1.685	0.65	NO	0
OR1922	CB1107	J33909	BOTTOM	1.511	0.65	NO	0
OR1923	CB9595	J37364	BOTTOM	1.563	0.65	NO	0
OR1924	CB9599	J40268	BOTTOM	1.447	0.65	NO	0
OR1925	CB9601	J41273	BOTTOM	1.587	0.65	NO	0
OR1926	CB1249	J40106	BOTTOM	1.72	0.65	NO	0

OR1927	CB3128_2860	J56333	BOTTOM	1.508	0.65	NO	0
OR1928	CB3134_2866	J56510	BOTTOM	1.945	0.65	NO	0
OR1929	CB2029_1958	J33769	BOTTOM	1.4	0.65	NO	0
OR193	CB750_751	STM2277	SIDE	0	0.65	NO	0
OR1930	CB2030_1959	J33771	BOTTOM	1.522	0.65	NO	0
OR1931	CB2031_1960	J33775	BOTTOM	1.521	0.65	NO	0
OR1932	CB4518	J37722	BOTTOM	1.414	0.65	NO	0
OR1933	CB618	J5826	BOTTOM	1.55	0.65	NO	0
OR1934	CB1159	J35547	BOTTOM	1.415	0.65	NO	0
OR1935	CB30	J52836	BOTTOM	1.547	0.65	NO	0
OR1936	CB3086_2825	J52928	BOTTOM	1.537	0.65	NO	0
OR1937	CB31	J52758	BOTTOM	1.404	0.65	NO	0
OR1938	CB993	J33974	BOTTOM	1.51	0.65	NO	0
OR1939	CB4373	J34520	BOTTOM	1.493	0.65	NO	0
OR194	CB758_825	STM2277	SIDE	0	0.65	NO	0
OR1940	CB32	J25685	BOTTOM	1.661	0.65	NO	0
OR1941	CB33	J25675	BOTTOM	1.417	0.65	NO	0
OR1942	CB2082	J23565	BOTTOM	1.446	0.65	NO	0
OR1943	CB4335	J24308	BOTTOM	1.4	0.65	NO	0
OR1944	CB4336	J24308	BOTTOM	1.477	0.65	NO	0
OR1945	CB4337	J24794	BOTTOM	1.53	0.65	NO	0
OR1946	CB4305	J25291	BOTTOM	1.54	0.65	NO	0
OR1947	CB2505	J25665	BOTTOM	1.4	0.65	NO	0
OR1948	CB34	J25670	BOTTOM	1.445	0.65	NO	0
OR1949	CB35	J23946	BOTTOM	1.563	0.65	NO	0
OR195	CB758_825	STM2277	SIDE	0	0.65	NO	0
OR1950	CB36	J23701	BOTTOM	1.454	0.65	NO	0
OR1951	CB37	J23208	BOTTOM	1.788	0.65	NO	0
OR1952	CB38	J24927	BOTTOM	1.549	0.65	NO	0
OR1953	CB26	J4573	BOTTOM	1.439	0.65	NO	0
OR1954	CB4309	J26516	BOTTOM	1.405	0.65	NO	0
OR1955	CB406_365	J27812	BOTTOM	1.428	0.65	NO	0
OR1956	CB60_61	J6644	BOTTOM	1.494	0.65	NO	0
OR1957	CB4	J45731	BOTTOM	1.474	0.65	NO	0
OR1958	CB14_64	J2537	BOTTOM	1.404	0.65	NO	0
OR1959	CB13_63	J3765	BOTTOM	1.689	0.65	NO	0
OR196	CB210_604	STM636	SIDE	0	0.65	NO	0
OR1960	CB62_12	J4441	BOTTOM	1.63	0.65	NO	0
OR1961	CB8_51	J5290	BOTTOM	1.4	0.65	NO	0
OR1962	CB71_19	J4911	BOTTOM	1.438	0.65	NO	0
OR1963	CB286_244	J10592	BOTTOM	1.946	0.65	NO	0
OR1964	CB608_213	J13518	BOTTOM	1.574	0.65	NO	0
OR1965	CB275_644	J13309	BOTTOM	1.424	0.65	NO	0
OR1966	CB629_4226	J12690	BOTTOM	1.4	0.65	NO	0
OR1967	CB204_598	J21656	BOTTOM	1.4	0.65	NO	0
OR1968	CB3131_3130	J54745	BOTTOM	1.511	0.65	NO	0
OR1969	CB2865_2864	J55897	BOTTOM	1.687	0.65	NO	0
OR197	CB210_604	STM636	SIDE	0	0.65	NO	0
OR1970	CB3149_2876	J55107	BOTTOM	1.724	0.65	NO	0
OR1971	CB2877_3150	J55642	BOTTOM	1.619	0.65	NO	0
OR1972	CB2767	J47524	BOTTOM	1.47	0.65	NO	0
OR1973	CB1611	J39769	BOTTOM	1.446	0.65	NO	0
OR1974	CB1627_1520	J42601	BOTTOM	1.45	0.65	NO	0
OR1975	CB1620	J40155	BOTTOM	1.627	0.65	NO	0
OR1976	CB1531	J41624	BOTTOM	1.429	0.65	NO	0
OR1977	CB1538_1650	J42018	BOTTOM	1.485	0.65	NO	0
OR1978	CB1015	J40119	BOTTOM	1.555	0.65	NO	0
OR1979	CB4381_4380	J38382	BOTTOM	1.612	0.65	NO	0
OR198	CB626_627	STM646	SIDE	0	0.65	NO	0
OR1980	CB1555_988	J37908	BOTTOM	1.52	0.65	NO	0
OR1981	CB1679_1842	J42104	BOTTOM	1.472	0.65	NO	0
OR1982	CB9605_9604	J42789	BOTTOM	1.431	0.65	NO	0
OR1983	CB1126_924	J33052	BOTTOM	1.519	0.65	NO	0
OR1984	CB1601_1503	J30200	BOTTOM	1.667	0.65	NO	0

OR1985	CB338_136	J12662	BOTTOM	1.449	0.65	NO	0
OR1986	CB339_137	J12659	BOTTOM	1.613	0.65	NO	0
OR1987	J67	J34464	BOTTOM	1.321	0.65	NO	0
OR1988	J68	J34734	BOTTOM	4.797	0.65	NO	0
OR1989	J69	J34479	BOTTOM	1.418	0.65	NO	0
OR199	CB626_627	STM646	SIDE	0	0.65	NO	0
OR1990	CB1595_1498	J26377	BOTTOM	1.544	0.65	NO	0
OR1991	CB1598_4262	J28366	BOTTOM	1.766	0.65	NO	0
OR1992	CB1591_1494	J26650	BOTTOM	1.4	0.65	NO	0
OR1993	CB1587_1490	J26392	BOTTOM	1.488	0.65	NO	0
OR1994	CB1571	J23923	BOTTOM	1.521	0.65	NO	0
OR1995	CB1575_1574	J20532	BOTTOM	1.475	0.65	NO	0
OR1996	CB1482_1578	J21233	BOTTOM	1.541	0.65	NO	0
OR1997	CB1480	J18583	BOTTOM	1.498	0.65	NO	0
OR1998	CB822	J21476	BOTTOM	1.455	0.65	NO	0
OR1999	CB1471_1566	J24409	BOTTOM	1.646	0.65	NO	0
OR2	ESTL_Flume2	Drop_Chamber	SIDE	0	0.65	NO	0
OR20	CB2003_1938	STM3263	SIDE	0	0.65	NO	0
OR200	CB625_264	STM647	SIDE	0	0.65	NO	0
OR2000	J73	J22911	BOTTOM	1.529	0.65	NO	0
OR2001	J74	J24384	BOTTOM	1.556	0.65	NO	0
OR2002	J75	J35708_1_2	BOTTOM	1.916	0.65	NO	0
OR2003	J76	J35984_1_1	BOTTOM	1.86	0.65	NO	0
OR2004	J77	J34436	BOTTOM	1.456	0.65	NO	0
OR2005	J78	J28251	BOTTOM	1.4	0.65	NO	0
OR2006	J79	J28252	BOTTOM	1.739	0.65	NO	0
OR2007	J80	J27762_1	BOTTOM	1.869	0.65	NO	0
OR2008	J82	J27763	BOTTOM	1.452	0.65	NO	0
OR2009	J83	J27513	BOTTOM	1.573	0.65	NO	0
OR201	CB625_264	STM647	SIDE	0	0.65	NO	0
OR2010	J86	J27267	BOTTOM	1.4	0.65	NO	0
OR2011	J87	J26770	BOTTOM	1.4	0.65	NO	0
OR2012	J90	J28986	BOTTOM	1.4	0.65	NO	0
OR2013	J94	J28731	BOTTOM	1.767	0.65	NO	0
OR2014	J95	J36534_1	BOTTOM	1.903	0.65	NO	0
OR2015	J96	J36809	BOTTOM	1.46	0.65	NO	0
OR2016	J100	J32488	BOTTOM	1.593	0.65	NO	0
OR2017	J101	J33886	BOTTOM	1.426	0.65	NO	0
OR2018	J102	J26270	BOTTOM	1.576	0.65	NO	0
OR2019	J107	J20417	BOTTOM	1.687	0.65	NO	0
OR202	CB268_631	STM1741	SIDE	0	0.65	NO	0
OR2020	J108	J18716	BOTTOM	1.424	0.65	NO	0
OR2021	J109	J17734	BOTTOM	1.45	0.65	NO	0
OR2022	J111	J16778	BOTTOM	2.238	0.65	NO	0
OR2023	J113	J16105	BOTTOM	1.436	0.65	NO	0
OR2024	J114	J15663	BOTTOM	1.462	0.65	NO	0
OR2025	J115	J15450	BOTTOM	1.57	0.65	NO	0
OR2026	J116	J15004	BOTTOM	1.788	0.65	NO	0
OR2027	J119	J12444	BOTTOM	1.446	0.65	NO	0
OR2028	J120	J12061	BOTTOM	1.4	0.65	NO	0
OR2029	J121	J11489	BOTTOM	1.602	0.65	NO	0
OR203	CB267_630	STM1746	SIDE	0	0.65	NO	0
OR2030	J122	J10724	BOTTOM	1.876	0.65	NO	0
OR2031	J123	J10538	BOTTOM	1.432	0.65	NO	0
OR2032	J110	J17980	BOTTOM	1.4	0.65	NO	0
OR2033	J112	J31409	BOTTOM	1.4	0.65	NO	0
OR2034	J124	J34894_1	BOTTOM	1.842	0.65	NO	0
OR2035	J125	J34899_1	BOTTOM	1.435	0.65	NO	0
OR2036	J127	J34066	BOTTOM	1.556	0.65	NO	0
OR2037	J128	J33785_1	BOTTOM	1.714	0.65	NO	0
OR2038	J129	J27664_3	BOTTOM	1.4	0.65	NO	0
OR2039	J130	J57361	BOTTOM	1.48	0.65	NO	0
OR204	CB726_725	STM777	SIDE	0	0.65	NO	0
OR2040	J131	J56519	BOTTOM	1.883	0.65	NO	0

OR2041	J132	J56165	BOTTOM	1.629	0.65	NO	0
OR2042	J133	J56504	BOTTOM	1.573	0.65	NO	0
OR2043	J134	J57914	BOTTOM	1.944	0.65	NO	0
OR2044	J135	J57589	BOTTOM	1.4	0.65	NO	0
OR2045	J136	J56907	BOTTOM	1.057	0.65	NO	0
OR2046	J137	J56741	BOTTOM	1.102	0.65	NO	0
OR2047	J138	J56053	BOTTOM	1.042	0.65	NO	0
OR2048	J139	J55698	BOTTOM	1.037	0.65	NO	0
OR2049	J140	J55608	BOTTOM	1.145	0.65	NO	0
OR205	CB726_725	STM777	SIDE	0	0.65	NO	0
OR2050	J141	J55609	BOTTOM	0.858	0.65	NO	0
OR2051	J142	J55171	BOTTOM	1.222	0.65	NO	0
OR2052	J143	J54213	BOTTOM	1.4	0.65	NO	0
OR2053	J144	J54382	BOTTOM	1.457	0.65	NO	0
OR2054	J145	J53954	BOTTOM	1.417	0.65	NO	0
OR2055	J146	J54042	BOTTOM	1.6	0.65	NO	0
OR2056	J148	J53877	BOTTOM	1.4	0.65	NO	0
OR2057	J149	J54125	BOTTOM	1.581	0.65	NO	0
OR2058	J150	J53878	BOTTOM	1.433	0.65	NO	0
OR2059	J151	J53350	BOTTOM	1.45	0.65	NO	0
OR206	CB632_633	STM1740	SIDE	0	0.65	NO	0
OR2060	J152	J53177	BOTTOM	1.212	0.65	NO	0
OR2061	J153	J52909	BOTTOM	1.259	0.65	NO	0
OR2062	J154	J52649	BOTTOM	1.266	0.65	NO	0
OR2063	J155	J52567	BOTTOM	1.288	0.65	NO	0
OR2064	J156	J52307	BOTTOM	1.121	0.65	NO	0
OR2065	J157	J52042	BOTTOM	1.05	0.65	NO	0
OR2066	J158	J51772	BOTTOM	0.995	0.65	NO	0
OR2067	J159	J51771	BOTTOM	1.109	0.65	NO	0
OR2068	J160	J50775	BOTTOM	1.184	0.65	NO	0
OR2069	J161	J50776	BOTTOM	1.359	0.65	NO	0
OR207	CB271_638	STM781	SIDE	0	0.65	NO	0
OR2070	J162	J50226	BOTTOM	1.273	0.65	NO	0
OR2071	J163	J50133	BOTTOM	1.349	0.65	NO	0
OR2072	J164	J49946	BOTTOM	1.466	0.65	NO	0
OR2073	J165	J49476	BOTTOM	1.58	0.65	NO	0
OR2074	J166	J49475	BOTTOM	1.522	0.65	NO	0
OR2075	J147	J49288	BOTTOM	1.448	0.65	NO	0
OR2076	J167	J54920	BOTTOM	1.479	0.65	NO	0
OR2077	J168	J55095	BOTTOM	1.611	0.65	NO	0
OR2078	J169	J55626	BOTTOM	1.684	0.65	NO	0
OR2079	J170	J51516	BOTTOM	1.763	0.65	NO	0
OR208	CB271_638	STM781	SIDE	0	0.65	NO	0
OR2080	J172	J48704	BOTTOM	1.4	0.65	NO	0
OR2081	J171	J48029	BOTTOM	1.536	0.65	NO	0
OR2082	J174	J47530	BOTTOM	1.4	0.65	NO	0
OR2083	200Manning_STM	J19823	BOTTOM	1.522	0.65	NO	0
OR2084	BP_CBMH9	J41805	BOTTOM	1.483	0.65	NO	0
OR2085	CB_COMM1	J30214	BOTTOM	1.5	0.65	NO	0
OR2086	CB_COMM2	J32633	BOTTOM	1.581	0.65	NO	0
OR2087	CB_COMM3	J32905	BOTTOM	1.579	0.65	NO	0
OR2088	CB_L1	J27923	BOTTOM	1.4	0.65	NO	0
OR2089	CB_L2	J27418	BOTTOM	1.546	0.65	NO	0
OR209	CB219_218	STM573	SIDE	0	0.65	NO	0
OR2090	CB_MCD	J38681	BOTTOM	1.383	0.65	NO	0
OR2091	CBMH11_Z	J27397	BOTTOM	1.453	0.65	NO	0
OR2092	CBMH_TMC	J32899	BOTTOM	1.801	0.65	NO	0
OR2093	CBMH5	J41944	BOTTOM	1.415	0.65	NO	0
OR2094	CBMHG	J41945_2	BOTTOM	1.408	0.65	NO	0
OR2095	COMM_CB	J43146	BOTTOM	2.143	0.65	NO	0
OR2096	DICB_1	J41514	BOTTOM	2.526	0.65	NO	0
OR2097	DICB_2	J40552	BOTTOM	2.004	0.65	NO	0
OR2098	Z_CB19	J30227	BOTTOM	1.738	0.65	NO	0
OR2099	CB_ST,G1	J28193	BOTTOM	0.569	0.65	NO	0

OR21	CB2001_1936	STM3258	SIDE	0	0.65	NO	0
OR210	CB634_269	STM1750	SIDE	0	0.65	NO	0
OR2100	CB_ST,G2	J29192	BOTTOM	0.939	0.65	NO	0
OR2101	GAOP	J29444	BOTTOM	1.4	0.65	NO	0
OR2102	J98	J22091	BOTTOM	1.659	0.65	NO	0
OR2103	J103	J19449	BOTTOM	1.46	0.65	NO	0
OR2104	J104	J20182	BOTTOM	1.555	0.65	NO	0
OR2105	J105	J23336	BOTTOM	1.433	0.65	NO	0
OR2106	J106	J25057	BOTTOM	1.46	0.65	NO	0
OR2107	J117	J25296	BOTTOM	1.622	0.65	NO	0
OR2108	J175	J25779	BOTTOM	1.485	0.65	NO	0
OR2109	J176	J26023	BOTTOM	1.4	0.65	NO	0
OR211	CB191_237	STM1772	SIDE	0	0.65	NO	0
OR2110	J177	J25781	BOTTOM	1.74	0.65	NO	0
OR2111	J178	J26024	BOTTOM	1.442	0.65	NO	0
OR2112	J180	J27773	BOTTOM	1.771	0.65	NO	0
OR2113	J181	J27525	BOTTOM	1.4	0.65	NO	0
OR2114	J182	J27530	BOTTOM	1.468	0.65	NO	0
OR2115	J183	J20177_1	BOTTOM	1.572	0.65	NO	0
OR2116	J184	J33878	BOTTOM	1.4	0.65	NO	0
OR2117	J185	J36540	BOTTOM	1.512	0.65	NO	0
OR2118	J186	J35226	BOTTOM	1.4	0.65	NO	0
OR2119	J187	J33594	BOTTOM	1.823	0.65	NO	0
OR212	CB720_670	STM762	SIDE	0	0.65	NO	0
OR2120	J188	J33035	BOTTOM	1.426	0.65	NO	0
OR2121	J189	J32758	BOTTOM	1.551	0.65	NO	0
OR2122	J190	J30876	BOTTOM	1.4	0.65	NO	0
OR2123	J191	J28993	BOTTOM	1.4	0.65	NO	0
OR2124	J192	J28743	BOTTOM	1.568	0.65	NO	0
OR2125	J193	J28497	BOTTOM	1.4	0.65	NO	0
OR2126	J179	J27533	BOTTOM	1.521	0.65	NO	0
OR2127	J194	J27785	BOTTOM	1.566	0.65	NO	0
OR2128	J195	J23571	BOTTOM	1.508	0.65	NO	0
OR2129	J196	J22820	BOTTOM	1.411	0.65	NO	0
OR213	CB720_670	STM762	SIDE	0	0.65	NO	0
OR2130	J197	J23072	BOTTOM	1.441	0.65	NO	0
OR2131	J200	J24804	BOTTOM	1.46	0.65	NO	0
OR2132	J201	J24809	BOTTOM	1.627	0.65	NO	0
OR2133	J198	J23078	BOTTOM	1.354	0.65	NO	0
OR2134	J199	J23333	BOTTOM	1.051	0.65	NO	0
OR2135	J202	J25059	BOTTOM	1.678	0.65	NO	0
OR2136	J203	J17744	BOTTOM	1.487	0.65	NO	0
OR2137	J204	J19454	BOTTOM	1.453	0.65	NO	0
OR2138	J205	J21135	BOTTOM	2.249	0.65	NO	0
OR2139	J206	J21377	BOTTOM	1.427	0.65	NO	0
OR214	CB718_719	STM835	SIDE	0	0.65	NO	0
OR2140	J207	J22583	BOTTOM	1.4	0.65	NO	0
OR2141	J208	J18961	BOTTOM	1.618	0.65	NO	0
OR2142	J209	J20893	BOTTOM	2.257	0.65	NO	0
OR2143	J211	J35164	BOTTOM	1.404	0.65	NO	0
OR2144	J212	J37305	BOTTOM	1.484	0.65	NO	0
OR2145	J213	J34912_3	BOTTOM	0.814	0.65	NO	0
OR2146	J214	J35158_1	BOTTOM	1.4	0.65	NO	0
OR2147	J216	J33468	BOTTOM	1.4	0.65	NO	0
OR2148	J126	J34622	BOTTOM	1.438	0.65	NO	0
OR2149	J91	J30868	BOTTOM	1.446	0.65	NO	0
OR215	CB718_719	STM835	SIDE	0	0.65	NO	0
OR2150	J220	J14346	BOTTOM	1.4	0.65	NO	0
OR2151	J118	J13463	BOTTOM	1.452	0.65	NO	0
OR2152	J221	J12608	BOTTOM	1.788	0.65	NO	0
OR2153	J222	J14944	BOTTOM	1.474	0.65	NO	0
OR2154	J223	J14074	BOTTOM	1.516	0.65	NO	0
OR2155	J224	J16711	BOTTOM	1.427	0.65	NO	0
OR2156	J225	J16471	BOTTOM	1.4	0.65	NO	0

OR2157	J226	J16719	BOTTOM	1.592	0.65	NO	0
OR2158	J227	J20094	BOTTOM	1.4	0.65	NO	0
OR2159	J228	J22006	BOTTOM	1.798	0.65	NO	0
OR216	CB740_739	STM835	SIDE	0	0.65	NO	0
OR2160	J229	J24958	BOTTOM	1.506	0.65	NO	0
OR2161	J230	J25208	BOTTOM	1.4	0.65	NO	0
OR2162	J231	J23480	BOTTOM	1.419	0.65	NO	0
OR2163	J232	J26946	BOTTOM	1.453	0.65	NO	0
OR2164	J233	J26929	BOTTOM	1.497	0.65	NO	0
OR2165	J234	J26938	BOTTOM	1.441	0.65	NO	0
OR2166	J235	J27445	BOTTOM	1.489	0.65	NO	0
OR2167	J236	J27198	BOTTOM	1.475	0.65	NO	0
OR2168	J237	J27458	BOTTOM	1.6	0.65	NO	0
OR2169	J238	J24924	BOTTOM	1.478	0.65	NO	0
OR217	CB740_739	STM835	SIDE	0	0.65	NO	0
OR2170	J239	J49239	BOTTOM	1.4	0.65	NO	0
OR2171	J240	J46580	BOTTOM	1.4	0.65	NO	0
OR2172	J241	J47306_1	BOTTOM	1.581	0.65	NO	0
OR2173	J242	J42387	BOTTOM	1.42	0.65	NO	0
OR2174	J243	J41420	BOTTOM	1.465	0.65	NO	0
OR2175	J244	J40457	BOTTOM	1.482	0.65	NO	0
OR2176	J245	J39889	BOTTOM	1.879	0.65	NO	0
OR2177	J246	J6734	BOTTOM	1.459	0.65	NO	0
OR2178	J248	J9827	BOTTOM	1.47	0.65	NO	0
OR2179	J249	J10347	BOTTOM	1.466	0.65	NO	0
OR218	CB741_738	STM3086	SIDE	0	0.65	NO	0
OR2180	J250	J9177	BOTTOM	1.435	0.65	NO	0
OR2181	J251	J8384	BOTTOM	1.389	0.65	NO	0
OR2182	J252	J8221	BOTTOM	1.542	0.65	NO	0
OR2183	J253	J8379	BOTTOM	1.473	0.65	NO	0
OR2184	J254	J8077	BOTTOM	1.479	0.65	NO	0
OR2185	J255	J7929	BOTTOM	1.434	0.65	NO	0
OR2186	J256	J7333	BOTTOM	1.49	0.65	NO	0
OR2187	J257	J7779	BOTTOM	1.744	0.65	NO	0
OR2188	J258	J7626	BOTTOM	1.408	0.65	NO	0
OR2189	J259	J7478	BOTTOM	1.465	0.65	NO	0
OR219	CB683_682	J612	SIDE	0	0.65	NO	0
OR2190	J260	J6470	BOTTOM	1.419	0.65	NO	0
OR2191	J261	J7617	BOTTOM	1.433	0.65	NO	0
OR2192	J262	J7766	BOTTOM	1.4	0.65	NO	0
OR2193	J263	J21013	BOTTOM	1.426	0.65	NO	0
OR2194	J264	J35631	BOTTOM	1.461	0.65	NO	0
OR2195	J266	J35106	BOTTOM	1.522	0.65	NO	0
OR2196	J267	J40902	BOTTOM	1.832	0.65	NO	0
OR2197	J271	J40886	BOTTOM	1.497	0.65	NO	0
OR2198	J272	J42471	BOTTOM	1.38	0.65	NO	0
OR2199	J273	J43547	BOTTOM	1.501	0.65	NO	0
OR22	CB1935	STM3255	SIDE	0	0.65	NO	0
OR220	CB741_738	STM3086	SIDE	0	0.65	NO	0
OR2200	J275	J39548	BOTTOM	1.17	0.65	NO	0
OR2201	J276	J41357	BOTTOM	1.837	0.65	NO	0
OR2202	J277	J42738	BOTTOM	1.472	0.65	NO	0
OR2203	J278	J43547	BOTTOM	1.539	0.65	NO	0
OR2204	J280	J42991	BOTTOM	1.437	0.65	NO	0
OR2205	J279	J41489	BOTTOM	1.511	0.65	NO	0
OR2206	J281	J40159	BOTTOM	0.919	0.65	NO	0
OR2207	J282	J39962	BOTTOM	1.477	0.65	NO	0
OR2208	J283	J43267	BOTTOM	1.434	0.65	NO	0
OR2209	J284	J41925	BOTTOM	1.759	0.65	NO	0
;Multiple CB's							
OR221	CB669_713	STM835	SIDE	0	0.65	NO	0
OR2210	J285	J39968	BOTTOM	1.357	0.65	NO	0
OR2211	J286	J55909	BOTTOM	1.451	0.65	NO	0
OR2212	J29	J56322	BOTTOM	1.396	0.65	NO	0

OR2213	J173	J44015	BOTTOM	1.475	0.65	NO	0
OR2214	J287	J43490	BOTTOM	1.53	0.65	NO	0
OR2215	J288	J43884	BOTTOM	1.4	0.65	NO	0
OR2216	J289	J43889	BOTTOM	1.56	0.65	NO	0
OR2217	J290	J42677	BOTTOM	2.283	0.65	NO	0
OR2218	J291	J43340	BOTTOM	1.256	0.65	NO	0
OR2219	J292	J42935	BOTTOM	0	0.65	NO	0
OR222	CB1459	STM2274	SIDE	0	0.65	NO	0
OR2220	J293	J42901	BOTTOM	1.497	0.65	NO	0
OR2221	J294	J42632	BOTTOM	1.465	0.65	NO	0
OR2222	J295	J41961	BOTTOM	1.89	0.65	NO	0
OR2223	J296	J41679	BOTTOM	1.534	0.65	NO	0
OR2224	J297	J41823	BOTTOM	1.497	0.65	NO	0
OR2225	J298	J41813	BOTTOM	1.4	0.65	NO	0
OR2226	J301	J41102	BOTTOM	1.417	0.65	NO	0
OR2227	J302	J42088	BOTTOM	1.692	0.65	NO	0
OR2228	J303	J41398	BOTTOM	1.456	0.65	NO	0
OR2229	J304	J42502	BOTTOM	1.4	0.65	NO	0
OR223	CB1422_4249	STM1913	SIDE	0	0.65	NO	0
OR2230	J305	J40434	BOTTOM	1.458	0.65	NO	0
OR2231	J306	J39437	BOTTOM	1.506	0.65	NO	0
OR2232	J307	J37841	BOTTOM	1.44	0.65	NO	0
OR2233	J308	J40244	BOTTOM	1.401	0.65	NO	0
OR2234	J309	J39441	BOTTOM	1.746	0.65	NO	0
OR2235	J310	J39227	BOTTOM	1.52	0.65	NO	0
OR2236	J311	J36289	BOTTOM	1.633	0.65	NO	0
OR2237	J312	J36822	BOTTOM	1.504	0.65	NO	0
OR2238	J314	J43077	BOTTOM	2.333	0.65	NO	0
OR2239	J315	J41378_2	BOTTOM	1.4	0.65	NO	0
OR224	CB1464_1463	STM2871	SIDE	0	0.65	NO	0
OR2240	J316	J42490_2	BOTTOM	1.449	0.65	NO	0
OR2241	J317	J20337	BOTTOM	1.704	0.65	NO	0
OR2242	J318	J34722	BOTTOM	1.639	0.65	NO	0
OR2243	J319	J33903	BOTTOM	1.482	0.65	NO	0
OR2244	COMM104	J33360	BOTTOM	1.452	0.65	NO	0
OR2245	COMM105	J32797	BOTTOM	1.479	0.65	NO	0
OR2246	COMM106	J32791	BOTTOM	1.405	0.65	NO	0
OR2247	COMM107	J33340	BOTTOM	1.432	0.65	NO	0
OR2248	COMM108	J32509	BOTTOM	1.836	0.65	NO	0
OR2249	COMM109	J32505	BOTTOM	1.483	0.65	NO	0
OR225	CB1892_1891	STM2871	SIDE	0	0.65	NO	0
OR2250	SU11	J35530	BOTTOM	1.461	0.65	NO	0
OR2251	SU8	J35788	BOTTOM	1.42	0.65	NO	0
OR2252	PERV	J34742	BOTTOM	4.442	0.65	NO	0
OR2253	J324	J37623	BOTTOM	1.702	0.65	NO	0
OR2254	J325	J37376	BOTTOM	1.619	0.65	NO	0
OR2255	J326	J36062	BOTTOM	1.701	0.65	NO	0
OR2256	J328	J34228	BOTTOM	1.578	0.65	NO	0
OR2257	J329	J36071	BOTTOM	1.677	0.65	NO	0
OR2258	J330	J37886	BOTTOM	1.683	0.65	NO	0
OR2259	J331	J36381	BOTTOM	1.459	0.65	NO	0
OR226	CB1420_1459	STM3662	SIDE	0	0.65	NO	0
OR2260	J332	J36649	BOTTOM	1.491	0.65	NO	0
OR2261	J333	J38643	BOTTOM	1.469	0.65	NO	0
OR2262	J334	J40146	BOTTOM	1.456	0.65	NO	0
OR2263	J335	J39943	BOTTOM	1.526	0.65	NO	0
OR2264	J336	J38405	BOTTOM	1.759	0.65	NO	0
OR2265	J337	J43894	BOTTOM	1.729	0.65	NO	0
OR2266	CB_LAC1	J1964_2	BOTTOM	1.354	0.65	NO	0
OR2267	J339	J41712	BOTTOM	1.64	0.65	NO	0
OR2268	J340	J42398	BOTTOM	1.413	0.65	NO	0
OR2269	J341	J41720	BOTTOM	1.4	0.65	NO	0
OR227	CB1420_1459	STM3662	SIDE	0	0.65	NO	0
OR2270	J342	J40975	BOTTOM	1.569	0.65	NO	0

OR2271	J344	J40817	BOTTOM	1.416	0.65	NO	0
OR2272	J345	J42398	BOTTOM	1.509	0.65	NO	0
OR2273	J346	J41146	BOTTOM	1.497	0.65	NO	0
OR2274	J347	J40641	BOTTOM	1.608	0.65	NO	0
OR2275	J348	J39485	BOTTOM	1.545	0.65	NO	0
OR2276	J353	J41141	BOTTOM	2.053	0.65	NO	0
OR2277	J354	J39689	BOTTOM	1.431	0.65	NO	0
OR2278	J355	J40463	BOTTOM	1.43	0.65	NO	0
OR2279	J356	J41140	BOTTOM	1.46	0.65	NO	0
OR228	CB1419_1458	STM3670	SIDE	0	0.65	NO	0
OR2280	J357	J41706	BOTTOM	1.894	0.65	NO	0
OR2281	J358	J42252	BOTTOM	1.478	0.65	NO	0
OR2282	J359	J39474	BOTTOM	1.535	0.65	NO	0
OR2283	J360	J39257	BOTTOM	1.584	0.65	NO	0
OR2284	J361	J39047	BOTTOM	1.642	0.65	NO	0
OR2285	J362	J38831	BOTTOM	1.434	0.65	NO	0
OR2286	J364	J39928	BOTTOM	1.361	0.65	NO	0
OR2287	J366	J39516	BOTTOM	1.4	0.65	NO	0
OR2288	J367	J41008	BOTTOM	1.402	0.65	NO	0
OR2289	J368	J41175	BOTTOM	1.413	0.65	NO	0
OR229	CB1418_1457	STM3674	SIDE	0	0.65	NO	0
OR2290	J369	J38830	BOTTOM	1.4	0.65	NO	0
OR2291	J371	J35287	BOTTOM	2.518	0.65	NO	0
OR2292	J372	J36340	BOTTOM	1.4	0.65	NO	0
OR2293	J2	J36351	BOTTOM	2.328	0.65	NO	0
OR2294	J3	J35825	BOTTOM	1.468	0.65	NO	0
OR2295	J45	J35571	BOTTOM	1.909	0.65	NO	0
OR2296	J16	J35573	BOTTOM	1.433	0.65	NO	0
OR2297	J52	J34247	BOTTOM	1.644	0.65	NO	0
OR2298	J65	J34248	BOTTOM	1.482	0.65	NO	0
OR2299	J66	J39735	BOTTOM	1.438	0.65	NO	0
OR23	CB1998_1933	STM3909	SIDE	0	0.65	NO	0
OR230	STM3720	CB1484_1582	SIDE	0.616	0.65	NO	0
OR2300	J373	J41337	BOTTOM	1.707	0.65	NO	0
OR2301	J374	J41619	BOTTOM	1.4	0.65	NO	0
OR2302	J376	J29306	BOTTOM	1.431	0.65	NO	0
OR2303	J380	J29855	BOTTOM	1.559	0.65	NO	0
OR2304	J381	J26060	BOTTOM	1.444	0.65	NO	0
OR2305	J382	J31503	BOTTOM	1.403	0.65	NO	0
OR2306	J383	J30168	BOTTOM	1.4	0.65	NO	0
OR2307	J384	J28817	BOTTOM	1.45	0.65	NO	0
OR2308	J385	J28560	BOTTOM	1.4	0.65	NO	0
OR2309	J386	J27833	BOTTOM	1.472	0.65	NO	0
OR231	CB1416_1455	STM3681	SIDE	0	0.65	NO	0
OR2310	J387	J28076	BOTTOM	1.408	0.65	NO	0
OR2311	J388	J28551	BOTTOM	1.484	0.65	NO	0
OR2312	J389	J14613	BOTTOM	1.608	0.65	NO	0
OR2313	J390	J16155	BOTTOM	1.4	0.65	NO	0
OR2314	J391	J14830	BOTTOM	1.585	0.65	NO	0
OR2315	J392	J15723	BOTTOM	1.406	0.65	NO	0
OR2316	J393	J16371	BOTTOM	1.458	0.65	NO	0
OR2317	J394	J12883	BOTTOM	1.4	0.65	NO	0
OR2318	J395	J12884	BOTTOM	1.408	0.65	NO	0
OR2319	J396	J12692	BOTTOM	1.519	0.65	NO	0
OR232	CB1583_1485	STM1980	SIDE	0	0.65	NO	0
OR2320	J397	J18532	BOTTOM	1.794	0.65	NO	0
OR2321	J398	J17083	BOTTOM	1.463	0.65	NO	0
OR2322	J399	J15964	BOTTOM	1.4	0.65	NO	0
OR2323	J400	J17797	BOTTOM	1.4	0.65	NO	0
OR2324	J401	J15310	BOTTOM	1.4	0.65	NO	0
OR2325	J28	J2483	BOTTOM	1.306	0.65	NO	0
OR2326	J404	J1060	BOTTOM	1.561	0.65	NO	0
OR2327	J405	J11298	BOTTOM	1.495	0.65	NO	0
OR2328	J406	J17562	BOTTOM	1.747	0.65	NO	0

OR2329	J407	J17318	BOTTOM	2.096	0.65	NO	0
OR233	CB1576_1479	STM2046	SIDE	0	0.65	NO	0
OR2330	J408	J31218	BOTTOM	1.584	0.65	NO	0
OR2331	J409	J31212	BOTTOM	3.086	0.65	NO	0
OR2332	J410	J30407	BOTTOM	1.624	0.65	NO	0
OR2333	J411	J33380	BOTTOM	1.471	0.65	NO	0
OR2334	J412	J33105	BOTTOM	1.517	0.65	NO	0
OR2335	J413	J33104	BOTTOM	1.435	0.65	NO	0
OR2336	J414	J33666	BOTTOM	1.4	0.65	NO	0
OR2337	J415	J31482	BOTTOM	1.574	0.65	NO	0
OR2338	J416	J29867	BOTTOM	1.487	0.65	NO	0
OR2339	J417	J29317	BOTTOM	1.527	0.65	NO	0
OR234	CB1584_1487	STM2175	SIDE	0	0.65	NO	0
OR2340	J418	J28290	BOTTOM	1.4	0.65	NO	0
OR2341	J419	J27054	BOTTOM	2.349	0.65	NO	0
OR2342	J420	J26299	BOTTOM	1.4	0.65	NO	0
OR2343	J421	J25320	BOTTOM	1.412	0.65	NO	0
OR2344	J422	J19246	BOTTOM	1.677	0.65	NO	0
OR2345	J423	J17289	BOTTOM	1.421	0.65	NO	0
OR2346	J424	J14608	BOTTOM	1.679	0.65	NO	0
OR2347	J426	J13299	BOTTOM	1.475	0.65	NO	0
OR2348	J428	J12092	BOTTOM	3.135	0.65	NO	0
OR2349	J430	J12665	BOTTOM	1.707	0.65	NO	0
OR235	CB1585_1488	STM2176	SIDE	0	0.65	NO	0
OR2350	J431	J12475	BOTTOM	1.598	0.65	NO	0
OR2351	J432	J6077	BOTTOM	0.934	0.65	NO	0
OR2352	J433	J7357	BOTTOM	1.4	0.65	NO	0
OR2353	J434	J3984	BOTTOM	1.493	0.65	NO	0
OR2354	J435	J4452	BOTTOM	1.632	0.65	NO	0
OR2355	J436	J3555	BOTTOM	1.518	0.65	NO	0
OR2356	J437	J1924	BOTTOM	1.956	0.65	NO	0
OR2357	J438	J4925	BOTTOM	1.4	0.65	NO	0
OR2358	J439	J2951	BOTTOM	1.601	0.65	NO	0
OR2359	J440	J1194	BOTTOM	1.517	0.65	NO	0
OR236	CB1475_1570	STM2184	SIDE	0	0.65	NO	0
OR2360	J441	J1196	BOTTOM	1.589	0.65	NO	0
OR2361	J442	J9885	BOTTOM	1.645	0.65	NO	0
OR2362	J443	J8592	BOTTOM	1.614	0.65	NO	0
OR2363	J444	J7972	BOTTOM	1.4	0.65	NO	0
OR2364	J445	J5190	BOTTOM	1.486	0.65	NO	0
OR2365	J446	J4117	BOTTOM	1.498	0.65	NO	0
OR2366	J448	J1374	BOTTOM	1.743	0.65	NO	0
OR2367	J447	J1721	BOTTOM	1.499	0.65	NO	0
OR2368	J449	J1261	BOTTOM	1.4	0.65	NO	0
OR2369	J450	J1256	BOTTOM	1.574	0.65	NO	0
OR237	CB1474_1569	STM2619	SIDE	0	0.65	NO	0
OR2370	J451	J18057	BOTTOM	1.641	0.65	NO	0
OR2371	J453	J10256	BOTTOM	1.509	0.65	NO	0
OR2372	J454	J10801	BOTTOM	1.4	0.65	NO	0
OR2373	J456	J9568	BOTTOM	1.681	0.65	NO	0
OR2374	J457	J9731	BOTTOM	1.61	0.65	NO	0
OR2375	J458	J11374	BOTTOM	1.467	0.65	NO	0
OR2376	J459	J11569	BOTTOM	1.451	0.65	NO	0
OR2377	J460	J9265	BOTTOM	1.648	0.65	NO	0
OR2378	J461	J12505	BOTTOM	1.469	0.65	NO	0
OR2379	J462	J12125	BOTTOM	1.305	0.65	NO	0
OR238	CB1600_1502	STM3992	SIDE	0	0.65	NO	0
OR2380	J463	J10257	BOTTOM	1.485	0.65	NO	0
OR2381	J465	J9258	BOTTOM	1.395	0.65	NO	0
OR2382	J466	J9250	BOTTOM	1.473	0.65	NO	0
OR2383	J467	J8908	BOTTOM	1.4	0.65	NO	0
OR2384	J468	J8441	BOTTOM	1.406	0.65	NO	0
OR2385	J469	J7829	BOTTOM	1.549	0.65	NO	0
OR2386	J472	J6539	BOTTOM	1.4	0.65	NO	0

OR2387	J473	J7256	BOTTOM	1.46	0.65	NO	0
OR2388	J474	J7261	BOTTOM	1.474	0.65	NO	0
OR2389	J475	J6823	BOTTOM	1.838	0.65	NO	0
OR239	CB1600_1502	STM3992	SIDE	0	0.65	NO	0
OR2390	J476	J8775	BOTTOM	1.783	0.65	NO	0
OR2391	J477	J8629	BOTTOM	1.594	0.65	NO	0
OR2392	J478	J7560	BOTTOM	1.415	0.65	NO	0
OR2393	J479	J5078	BOTTOM	1.51	0.65	NO	0
OR2394	J480	J4819	BOTTOM	1.724	0.65	NO	0
OR2395	J481	J4692	BOTTOM	1.618	0.65	NO	0
OR2396	J36	J2482	BOTTOM	1.178	0.65	NO	0
OR2397	J2149	J2680	BOTTOM	1.247	0.65	NO	0
OR2398	J498	J2763	BOTTOM	1.403	0.65	NO	0
OR2399	J64	J2679_2	BOTTOM	1.263	0.65	NO	0
OR24	CB1999_1934	STM3902	SIDE	0	0.65	NO	0
OR240	CB1605_1505	STM2001	SIDE	0	0.65	NO	0
OR2400	J2151	J2975	BOTTOM	1.28	0.65	NO	0
OR2401	J2180	J2974	BOTTOM	1.221	0.65	NO	0
OR2402	J2226	J3807	BOTTOM	1.218	0.65	NO	0
OR2403	J2233	J4132	BOTTOM	1.211	0.65	NO	0
OR2404	J488	J2866	BOTTOM	1.473	0.65	NO	0
OR2405	J489	J2867	BOTTOM	1.58	0.65	NO	0
OR2406	J490	J2760	BOTTOM	1.6	0.65	NO	0
OR2407	J491	J2575	BOTTOM	1.512	0.65	NO	0
OR2408	J492	J13321	BOTTOM	1.576	0.65	NO	0
OR2409	J493	J25369	BOTTOM	1.654	0.65	NO	0
OR241	CB537_538	STM2665	SIDE	0	0.65	NO	0
OR2410	J494	J24636	BOTTOM	1.584	0.65	NO	0
OR2411	J496	J26098	BOTTOM	1.4	0.65	NO	0
OR2412	J497	J26349	BOTTOM	1.4	0.65	NO	0
OR2413	J499	J26107	BOTTOM	1.468	0.65	NO	0
OR2414	J500	J25867	BOTTOM	1.4	0.65	NO	0
OR2415	J501	J21202	BOTTOM	1.463	0.65	NO	0
OR2416	J502	J20965	BOTTOM	2.004	0.65	NO	0
OR2417	J503	J24397	BOTTOM	1.779	0.65	NO	0
OR2418	J504	J24896	BOTTOM	1.647	0.65	NO	0
OR2419	J505	J32054	BOTTOM	1.46	0.65	NO	0
OR242	CB537_538	STM2665	SIDE	0	0.65	NO	0
OR2420	J506	J12524	BOTTOM	1.468	0.65	NO	0
OR2421	J507	J13984	BOTTOM	1.417	0.65	NO	0
OR2422	J508	J11772	BOTTOM	1.793	0.65	NO	0
OR2423	J509	J13139	BOTTOM	1.436	0.65	NO	0
OR2424	J510	J14653	BOTTOM	1.434	0.65	NO	0
OR2425	J511	J10457	BOTTOM	1.498	0.65	NO	0
OR2426	J512	J9275	BOTTOM	1.433	0.65	NO	0
OR2427	J513	J8327	BOTTOM	1.515	0.65	NO	0
OR2428	J514	J7874	BOTTOM	1.423	0.65	NO	0
OR2429	J515	J8176	BOTTOM	1.445	0.65	NO	0
;continuous grade							
OR243	CB1786_1052	STM1172	SIDE	0	0.65	NO	0
OR2430	J516	J8022	BOTTOM	3.039	0.65	NO	0
OR2431	J517	J5751_2	BOTTOM	2.007	0.65	NO	0
OR2432	J518	J6291	BOTTOM	1.473	0.65	NO	0
OR2433	J519	J5369_1	BOTTOM	2.082	0.65	NO	0
OR2434	J520	J4863_2	BOTTOM	1.769	0.65	NO	0
OR2435	J521	J4987_1_2	BOTTOM	1.445	0.65	NO	0
OR2436	J522	J5001	BOTTOM	1.418	0.65	NO	0
OR2437	J523	J5760_2	BOTTOM	1.484	0.65	NO	0
OR2438	J524	J4291_2	BOTTOM	1.681	0.65	NO	0
OR2439	J525	J3948_2	BOTTOM	1.824	0.65	NO	0
OR244	J310	STM1350	SIDE	0	0.65	NO	0
OR2440	J526	J3942_2	BOTTOM	1.73	0.65	NO	0
OR2441	J527	J5635	BOTTOM	1.468	0.65	NO	0
OR2442	J528	J7751_2	BOTTOM	1.859	0.65	NO	0

OR2443	J529	J11029	BOTTOM	1.491	0.65	NO	0
OR2444	J530	J9953_2	BOTTOM	1.506	0.65	NO	0
OR2445	J531	J9618	BOTTOM	1.618	0.65	NO	0
OR2446	J532	J10472_2	BOTTOM	1.4	0.65	NO	0
OR2447	J533	J10484	BOTTOM	1.771	0.65	NO	0
OR2448	J534	J11608	BOTTOM	1.4	0.65	NO	0
OR2449	J535	J12367_2	BOTTOM	1.664	0.65	NO	0
OR245	CB1775_1774	STM1642	SIDE	0	0.65	NO	0
OR2450	J536	J13589	BOTTOM	1.409	0.65	NO	0
OR2451	J537	J15130	BOTTOM	1.512	0.65	NO	0
OR2452	J538	J16007	BOTTOM	1.508	0.65	NO	0
OR2453	J539	J16429	BOTTOM	1.629	0.65	NO	0
OR2454	J540	J6887	BOTTOM	1.659	0.65	NO	0
OR2455	J541	J7759	BOTTOM	1.44	0.65	NO	0
OR2456	J542	J17858	BOTTOM	1.476	0.65	NO	0
OR2457	J543	J17853	BOTTOM	1.667	0.65	NO	0
OR2458	J544	J22425	BOTTOM	1.66	0.65	NO	0
OR2459	J545	J22429	BOTTOM	1.626	0.65	NO	0
OR246	CB1738_1039	STM1637	SIDE	0	0.65	NO	0
OR2460	J546	J22189	BOTTOM	1.685	0.65	NO	0
OR2461	CB4256	J22188	BOTTOM	2.733	0.65	NO	0
OR2462	CB4251	J22181	BOTTOM	3.03	0.65	NO	0
OR2463	J547	J15111	BOTTOM	1.51	0.65	NO	0
OR2464	J548	J17116	BOTTOM	1.477	0.65	NO	0
OR2465	J549	J23687	BOTTOM	1.4	0.65	NO	0
OR2466	J550	J24432	BOTTOM	1.437	0.65	NO	0
OR2467	J551	J19808	BOTTOM	1.478	0.65	NO	0
OR2468	J552	J22927	BOTTOM	1.403	0.65	NO	0
OR2469	J553	J30727	BOTTOM	1.746	0.65	NO	0
OR247	CB1737_1038	STM1638	SIDE	0	0.65	NO	0
OR2470	J556	J31534	BOTTOM	1.563	0.65	NO	0
OR2471	J558	J28373	BOTTOM	1.51	0.65	NO	0
OR2472	J557	J28379	BOTTOM	1.458	0.65	NO	0
OR2473	J559	J26400	BOTTOM	1.4	0.65	NO	0
OR2474	J560	J27875	BOTTOM	1.688	0.65	NO	0
OR2475	J561	J26626	BOTTOM	1.471	0.65	NO	0
OR2476	J562	J1124	BOTTOM	1.539	0.65	NO	0
OR2477	J563	J1128	BOTTOM	1.539	0.65	NO	0
OR2478	J564	J39682	BOTTOM	1.473	0.65	NO	0
OR2479	J565	J2856	BOTTOM	1.476	0.65	NO	0
OR248	CB926	STM1638	SIDE	0	0.65	NO	0
OR2480	J566	J2757	BOTTOM	1.4	0.65	NO	0
OR2481	J567	J13093	BOTTOM	1.557	0.65	NO	0
OR2482	J568	J58431	BOTTOM	0.361	0.65	NO	0
OR2483	J569	J40996	BOTTOM	1.787	0.65	NO	0
OR2484	J570	J45188	BOTTOM	1.846	0.65	NO	0
OR2485	J571	J44960	BOTTOM	1.4	0.65	NO	0
OR2486	J572	J37177	BOTTOM	1.476	0.65	NO	0
OR2487	J576	J6745_2	BOTTOM	2.733	0.65	NO	0
OR2488	J578	J6453_2	BOTTOM	1.4	0.65	NO	0
OR2489	J579	J6743_2	BOTTOM	1.4	0.65	NO	0
OR249	CB926	STM1638	SIDE	0	0.65	NO	0
OR2490	J573	J3748	BOTTOM	2.142	0.65	NO	0
OR2491	J577	J3856_1	BOTTOM	1.702	0.65	NO	0
OR2492	J580	J3963	BOTTOM	1.525	0.65	NO	0
OR2493	J583	J3425	BOTTOM	1.571	0.65	NO	0
OR2494	J582	J3212	BOTTOM	1.456	0.65	NO	0
OR2495	J588	J1986	BOTTOM	1.418	0.65	NO	0
OR2496	J589	J2251	BOTTOM	1.437	0.65	NO	0
OR2497	J590	J2340_1	BOTTOM	1.412	0.65	NO	0
OR2498	J591	J2713	BOTTOM	1.521	0.65	NO	0
OR2499	J592	J2074	BOTTOM	1.665	0.65	NO	0
OR25	CB1995_1930	STM2999	SIDE	0	0.65	NO	0
OR250	CB1107	STM1582	SIDE	0	0.65	NO	0

OR2500	J593	J2429	BOTTOM	1.483	0.65	NO	0
OR2501	J596	J1448	BOTTOM	1.437	0.65	NO	0
OR2502	J597	J1520	BOTTOM	1.491	0.65	NO	0
OR2503	J598	J1591	BOTTOM	1.4	0.65	NO	0
OR2504	J599	J1824	BOTTOM	1.4	0.65	NO	0
OR2505	J600	J5456	BOTTOM	1.4	0.65	NO	0
OR2506	TEC_DITCH1	J35173_3	BOTTOM	0.456	0.65	NO	0
OR2507	Tec_Rd_DICB	J35993_1_1	BOTTOM	1.993	0.65	NO	0
OR2508	J601	J35453_1_3	BOTTOM	0.323	0.65	NO	0
OR2509	J602	J35720_1_3	BOTTOM	0.081	0.65	NO	0
OR251	CB1107	STM1582	SIDE	0	0.65	NO	0
OR2510	MH10-S	J20551_2_1	BOTTOM	1.525	0.65	NO	0
OR2511	MH11-S	J21991_1	BOTTOM	1.485	0.65	NO	0
OR2512	MH12-S	J23218_1	BOTTOM	1.42	0.65	NO	0
OR2513	MH13-S	J23952_2	BOTTOM	1.475	0.65	NO	0
OR2514	MH14-S	J24220_2	BOTTOM	1.4	0.65	NO	0
OR2515	MH15-S	J24216_2	BOTTOM	1.409	0.65	NO	0
OR2516	MH17-S	J20796_2	BOTTOM	1.413	0.65	NO	0
OR2517	MH18-S	J19107_2	BOTTOM	1.5	0.65	NO	0
OR2518	MH19-S	J17645_2	BOTTOM	1.441	0.65	NO	0
OR2519	MH2-S	J17868_3	BOTTOM	1.4	0.65	NO	0
OR252	CB9589	STM1266	SIDE	0	0.65	NO	0
OR2520	MH4-S	J18604_4	BOTTOM	1.4	0.65	NO	0
OR2521	MH6-S	J19095_2	BOTTOM	1.4	0.65	NO	0
OR2522	MH7-S	J19585_2	BOTTOM	1.4	0.65	NO	0
OR2523	MH8-S	J20317_3	BOTTOM	1.422	0.65	NO	0
OR2524	MH9-S	J20321_2	BOTTOM	1.648	0.65	NO	0
OR2525	J604	J19517	BOTTOM	1.425	0.65	NO	0
OR2526	J606	J19520	BOTTOM	1.4	0.65	NO	0
OR2527	J608	J19283	BOTTOM	1.499	0.65	NO	0
OR2528	J609	J19040	BOTTOM	1.548	0.65	NO	0
OR2529	J610	J19525	BOTTOM	1.4	0.65	NO	0
OR253	CB9589	STM1266	SIDE	0	0.65	NO	0
OR2530	J611	J20018	BOTTOM	1.516	0.65	NO	0
OR2531	J613	J19514	BOTTOM	1.119	0.65	NO	0
OR2532	J43	J20018	BOTTOM	1.684	0.65	NO	0
OR2533	J605	J19525	BOTTOM	1.681	0.65	NO	0
OR2534	J607	J34766	BOTTOM	1.4	0.65	NO	0
OR2535	J618	J34764	BOTTOM	1.474	0.65	NO	0
OR2536	J619	J34499	BOTTOM	1.571	0.65	NO	0
OR2537	J620	J37137	BOTTOM	0.93	0.65	NO	0
OR2538	J621	J37639	BOTTOM	1.312	0.65	NO	0
OR2539	J623	J38598	BOTTOM	1.069	0.65	NO	0
;continuous grade							
OR254	CB9593_9594	STM7209	SIDE	0	0.65	NO	0
OR2540	J624	J38210	BOTTOM	1.5	0.65	NO	0
OR2541	J625	J38677	BOTTOM	1.454	0.65	NO	0
OR2542	J626	J39350	BOTTOM	0.704	0.65	NO	0
OR2543	J627	J39129	BOTTOM	1.421	0.65	NO	0
OR2544	J630	J43142	BOTTOM	1.543	0.65	NO	0
OR2545	J631	J42336	BOTTOM	1.278	0.65	NO	0
OR2546	J632	J42333	BOTTOM	1.072	0.65	NO	0
OR2547	J635	J43828	BOTTOM	1.545	0.65	NO	0
OR2548	J636	J31434	BOTTOM	1.803	0.65	NO	0
OR2549	J637	J31698	BOTTOM	2.165	0.65	NO	0
;continuous grade							
OR255	CB9593_9594	STM7209	SIDE	0	0.65	NO	0
OR2550	J638	J32785	BOTTOM	2.235	0.65	NO	0
OR2551	J639	J34779	BOTTOM	1.092	0.65	NO	0
OR2552	J640	J33966	BOTTOM	2.85	0.65	NO	0
OR2553	J641	J34778	BOTTOM	1.437	0.65	NO	0
OR2554	J642	J35040	BOTTOM	2.046	0.65	NO	0
OR2555	J643	J34515	BOTTOM	1.489	0.65	NO	0
OR2556	J644	J34028	BOTTOM	0.898	0.65	NO	0

OR2557	J645	J34566	BOTTOM	0.661	0.65	NO	0
OR2558	J646	J34295	BOTTOM	0.803	0.65	NO	0
OR2559	J647	J34570	BOTTOM	1.545	0.65	NO	0
;continuous grade							
OR256	CB9595	J92	SIDE	0	0.65	NO	0
OR2560	J648	J34028	BOTTOM	1.829	0.65	NO	0
OR2561	J649	J34295	BOTTOM	1.068	0.65	NO	0
OR2562	J650	J35349	BOTTOM	0.979	0.65	NO	0
OR2563	J651	J31271	BOTTOM	0.825	0.65	NO	0
OR2564	J652	J32074	BOTTOM	0.849	0.65	NO	0
OR2565	J653	J32622	BOTTOM	1.022	0.65	NO	0
OR2566	J655	J32620	BOTTOM	1.131	0.65	NO	0
OR2567	J659	J31268	BOTTOM	1.426	0.65	NO	0
OR2568	J662	J29945	BOTTOM	0.643	0.65	NO	0
OR2569	J663	J29941	BOTTOM	0.937	0.65	NO	0
;continuous grade							
OR257	CB9698_9597	STM7210	SIDE	0	0.65	NO	0
OR2570	J665	J31541	BOTTOM	1.094	0.65	NO	0
OR2571	J666	J31811	BOTTOM	1.186	0.65	NO	0
OR2572	J667	J32078	BOTTOM	1.409	0.65	NO	0
OR2573	J668	J31274	BOTTOM	1.102	0.65	NO	0
OR2574	J669	J31005	BOTTOM	1.128	0.65	NO	0
OR2575	J670	J31277	BOTTOM	1.065	0.65	NO	0
OR2576	J672	J30743	BOTTOM	1.475	0.65	NO	0
OR2577	J674	J31545	BOTTOM	1.099	0.65	NO	0
OR2578	J675	J32350	BOTTOM	1.353	0.65	NO	0
OR2579	J676	J32902	BOTTOM	1.37	0.65	NO	0
;continuous grade							
OR258	CB9698_9597	STM7210	SIDE	0	0.65	NO	0
OR2580	J677	J30211	BOTTOM	1.114	0.65	NO	0
OR2581	J683	J45589	BOTTOM	1.597	0.65	NO	0
OR2582	J684	J45695	BOTTOM	0.365	0.65	NO	0
OR2583	J687	J28162	BOTTOM	1.4	0.65	NO	0
OR2584	J688	J28905	BOTTOM	1.4	0.65	NO	0
OR2585	J689	J30784	BOTTOM	1.676	0.65	NO	0
OR2586	J693	J27428	BOTTOM	1.498	0.65	NO	0
OR2587	J694	J27932	BOTTOM	1.445	0.65	NO	0
OR2588	RAIL-3	J36406	BOTTOM	0.979	0.65	NO	0
OR2589	J696	J36669	BOTTOM	0.61	0.65	NO	0
OR259	CB9959_9960	STM7211	SIDE	0	0.65	NO	0
OR2590	J697	J42636	BOTTOM	1.46	0.65	NO	0
OR2591	J701	J43166	BOTTOM	1.809	0.65	NO	0
OR2592	J705	J44152	BOTTOM	0.766	0.65	NO	0
OR2593	J706	J44149	BOTTOM	0.877	0.65	NO	0
OR2594	EX.CBMH	J43635	BOTTOM	2.146	0.65	NO	0
OR2595	J711	J43631	BOTTOM	1.324	0.65	NO	0
OR2596	J707	J22819	BOTTOM	1.638	0.65	NO	0
OR2597	J708	J21375	BOTTOM	1.511	0.65	NO	0
OR2598	J709	J20891	BOTTOM	1.4	0.65	NO	0
OR2599	J715	J33778	BOTTOM	0.999	0.65	NO	0
OR26	CB1996_1931	STM3896	SIDE	0	0.65	NO	0
OR260	CB9959_9960	STM7211	SIDE	0	0.65	NO	0
OR2600	J716	J34352_1	BOTTOM	0.276	0.65	NO	0
OR2601	J717	J34353_1	BOTTOM	0.343	0.65	NO	0
OR2602	J718	J34908_3	BOTTOM	0.407	0.65	NO	0
OR2603	J719	J34910_3	BOTTOM	0.227	0.65	NO	0
OR2604	J38	J3281	BOTTOM	1.424	0.65	NO	0
OR2605	BURD_IN	J3089	BOTTOM	2.913	0.65	NO	0
OR2606	Mason_CB	J5350	BOTTOM	1.523	0.65	NO	0
OR2607	CB438_525	J4369	BOTTOM	1.21	0.65	NO	0
OR2608	J2253	J4828	BOTTOM	1.286	0.65	NO	0
OR2609	BG_PS	J26496	BOTTOM	6.04	0.65	NO	0
OR261	CB1001	STM510	SIDE	0	0.65	NO	0
OR2610	BG_PS2	J35198	BOTTOM	5.392	0.65	NO	0

OR2611	STM_F2	J31459	BOTTOM	1.698	0.65	NO	0
OR2612	STM_F1	J31460	BOTTOM	1.138	0.65	NO	0
OR2613	STM_F3	J32532	BOTTOM	2.017	0.65	NO	0
OR2614	STM_F5	J32258	BOTTOM	0.992	0.65	NO	0
OR2615	STM_F6	J32804	BOTTOM	0.93	0.65	NO	0
OR2616	STM_F7	J33076	BOTTOM	0.728	0.65	NO	0
OR2617	Auto_J	J32256	BOTTOM	1.463	0.65	NO	0
OR2618	J66580	J33099	BOTTOM	1.636	0.65	NO	0
OR2619	J66581	J33097	BOTTOM	1.574	0.65	NO	0
OR262	CB1563	STM510	SIDE	0	0.65	NO	0
OR2620	CB_J66582	J36346	BOTTOM	1.44	0.65	NO	0
OR2621	CB_J665821	J36092	BOTTOM	1.606	0.65	NO	0
OR2622	MH16-S2	J22972_2	BOTTOM	1.4	0.65	NO	0
OR2623	MH16-S	J21996_2	BOTTOM	1.478	0.65	NO	0
OR2624	MH17_S2	J20326_2	BOTTOM	1.4	0.65	NO	0
OR2625	MHA2	J27961	BOTTOM	1.68	0.65	NO	0
OR2626	MHA8	J14757	BOTTOM	2.136	0.65	NO	0
OR2627	MHB1	J24512	BOTTOM	2.241	0.65	NO	0
OR2628	BD-0	J53024_1	SIDE	2.165	0.65	NO	0
OR2629	BD-1	J52599	SIDE	1.935	0.65	NO	0
OR263	CB4212_1561	STM389	SIDE	0	0.65	NO	0
OR2630	BD-1	J52854_1	SIDE	0	0.65	NO	0
OR2631	BD-2	J52453_2_1	SIDE	1.133	0.65	NO	0
OR2632	BD-2	J52538_1	SIDE	1.036	0.65	NO	0
OR2633	BD-3	J52098_2	SIDE	0.979	0.65	NO	0
OR2634	BD-3	J52367	SIDE	1.016	0.65	NO	0
OR2635	BD-4	J51929	SIDE	0.968	0.65	NO	0
OR2636	BD-4	J52189_1	SIDE	0.965	0.65	NO	0
OR2637	BD-4B	J52190	SIDE	1.451	0.65	NO	0
OR2638	BD-4B	J51931	SIDE	1.537	0.65	NO	0
OR264	CB1006_4472	STM389	SIDE	0	0.65	NO	0
OR2640	STM5678	J62686_1	SIDE	1.161	0.65	NO	0
OR2641	STM5678	J62688_1	SIDE	1.451	0.65	NO	0
OR2642	STM5673	J62501	SIDE	1.31	0.65	NO	0
OR2643	STM5673	J62503_1	SIDE	1.832	0.65	NO	0
OR2644	STM5674	J62455_1	SIDE	1.245	0.65	NO	0
OR2645	STM5674	J62457_1_1	SIDE	1.632	0.65	NO	0
OR2647	STM5675	J61188_1	SIDE	1.203	0.65	NO	0
OR2648	STM5675	J61189_1	SIDE	1.516	0.65	NO	0
OR2649	STM5676	J61189_1	SIDE	1.526	0.65	NO	0
OR265	CB1006_4472	STM389	SIDE	0	0.65	NO	0
OR2650	STM5676	J61111	SIDE	1.883	0.65	NO	0
OR2651	STM5679	J61032_1	SIDE	1.834	0.65	NO	0
OR2652	STM5679	J61033_1_1	SIDE	1.818	0.65	NO	0
OR2653	STM5680	J60956_1	SIDE	1.822	0.65	NO	0
OR2654	STM5680	J60953	SIDE	1.047	0.65	NO	0
OR2656	STM5760	J60793	SIDE	1.537	0.65	NO	0
OR2657	STM5761	J60714	SIDE	1.062	0.65	NO	0
OR2658	STM5761	J60716_1_1	SIDE	1.721	0.65	NO	0
OR2659	STM5760	J60795_1	SIDE	1.78	0.65	NO	0
OR266	CB970_898	STM1246	SIDE	0	0.65	NO	0
OR2661	STM5695	J59654_1	SIDE	0.888	0.65	NO	0
OR2662	STM5696	J59571_1	SIDE	0.805	0.65	NO	0
OR2663	STM5696	J59656_1_1	SIDE	1.613	0.65	NO	0
OR2664	STM5695	J59656_1_1	SIDE	1.593	0.65	NO	0
OR2665	STM5693	J58738	SIDE	1.202	0.65	NO	0
OR2666	STM5694	J58573_1	SIDE	1.252	0.65	NO	0
OR2667	STM5694	J58574_2	SIDE	2.17	0.65	NO	0
OR2668	STM5693	J58739_3	SIDE	2.123	0.65	NO	0
OR2669	CULV1	J58410	SIDE	1.073	0.65	NO	0
OR267	CB970_898	STM1246	SIDE	0	0.65	NO	0
OR2670	CULV2	J58323_1	SIDE	1.422	0.65	NO	0
OR2671	CULV2	J58325_1_1	SIDE	2.3	0.65	NO	0
OR2672	CULV1	J58411_1	SIDE	2.325	0.65	NO	0

OR2673	STM5691	J57056_1	SIDE	1.308	0.65	NO	0
OR2674	STM5692	J57056_1	SIDE	1.318	0.65	NO	0
OR2675	STM5692	J56974_1_1	SIDE	2.083	0.65	NO	0
OR2676	STM5691	J57057_1_1	SIDE	2.116	0.65	NO	0
OR2677	STM5689	J56203_1_1	SIDE	1.927	0.65	NO	0
OR2678	STM5687	J54883_3	SIDE	2.186	0.65	NO	0
OR2679	STM5690	J56034_1	SIDE	1.955	0.65	NO	0
OR268	CB967_896	STM1246	SIDE	0	0.65	NO	0
OR2680	STM5690	J56032_1	SIDE	1.098	0.65	NO	0
OR2681	STM5689	J56200	SIDE	1.587	0.65	NO	0
OR2682	STM5687	J54968	SIDE	1.486	0.65	NO	0
OR2683	STM5688	J54705	SIDE	1.613	0.65	NO	0
OR2684	STM5688	J54706_1_1	SIDE	2.17	0.65	NO	0
OR2685	STM5685	J53937_1	SIDE	1.601	0.65	NO	0
OR2686	STM5686	J53765	SIDE	1.798	0.65	NO	0
OR2687	STM5686	J53767_2	SIDE	1.861	0.65	NO	0
OR2688	STM5685	J53851_1_1	SIDE	2.251	0.65	NO	0
OR2689	STM5683	J53508_1	SIDE	2.05	0.65	NO	0
OR269	CB967_896	STM1246	SIDE	0	0.65	NO	0
OR2690	STM5684	J53508_1	SIDE	2.121	0.65	NO	0
OR2691	STM5684	J53421_1_1	SIDE	2.375	0.65	NO	0
OR2692	STM5683	J53596_1_1	SIDE	1.965	0.65	NO	0
OR2693	STM5681	J53159_1	SIDE	1.777	0.65	NO	0
OR2694	STM5682	J53069_1	SIDE	1.719	0.65	NO	0
OR2695	STM5682	J53071_1_1	SIDE	2.389	0.65	NO	0
OR2696	STM5681	J53248_1	SIDE	2.415	0.65	NO	0
OR2697	STM3151	J52717	SIDE	2.148	0.65	NO	0
OR2698	STM3151	J52718_3	SIDE	2.401	0.65	NO	0
OR2699	STM3152	J52379_1	SIDE	2.197	0.65	NO	0
OR27	CB1991_1992	STM3304	SIDE	0	0.65	NO	0
OR270	CB950_885	STM458	SIDE	0	0.65	NO	0
OR2700	STM3152	J52470_1_1	SIDE	2.746	0.65	NO	0
OR2701	BD-5	J52194	SIDE	1.285	0.65	NO	0
OR2702	BD-5	J52025_1_1	SIDE	1.485	0.65	NO	0
OR2703	BD-5	J51936_2	SIDE	1.395	0.65	NO	0
OR2704	STM3149	J50759_1	SIDE	2.357	0.65	NO	0
OR2705	STM3150	J50566_1	SIDE	2.198	0.65	NO	0
OR2706	STM3150	J50665_1_1	SIDE	2.673	0.65	NO	0
OR2707	STM3149	J50760_1_1	SIDE	2.661	0.65	NO	0
OR2708	CULV3	J50115_1	SIDE	2.634	0.65	NO	0
OR2709	CULV3	J50116_1_1	SIDE	2.95	0.65	NO	0
OR271	CB950_885	STM458	SIDE	0	0.65	NO	0
OR2710	CULV4	J49929_1	SIDE	2.67	0.65	NO	0
OR2711	CULV4	J49930_1_1	SIDE	2.967	0.65	NO	0
OR2712	CULV5	J49456_1	SIDE	2.456	0.65	NO	0
OR2713	CULV5	J49458_1	SIDE	2.928	0.65	NO	0
OR2714	CULV6	J49261_1	SIDE	2.347	0.65	NO	0
OR2715	CULV6	J49262_1	SIDE	2.825	0.65	NO	0
OR2716	CULV7	J49075	SIDE	2.248	0.65	NO	0
OR2717	CULV8	J48878_1	SIDE	2.01	0.65	NO	0
OR2718	CULV8	J48980_1_1	SIDE	2.646	0.65	NO	0
OR2719	CULV7	J49076_1_1	SIDE	2.717	0.65	NO	0
OR272	CB881_963	STM6071	SIDE	0	0.65	NO	0
OR2720	STM3147	J48006_1	SIDE	2.107	0.65	NO	0
OR2721	STM3147	J48008_2	SIDE	2.7	0.65	NO	0
OR2722	STM3148	J47807_1_1	SIDE	2.57	0.65	NO	0
OR2723	STM4942	J47703	SIDE	2.151	0.65	NO	0
OR2724	STM3145	J47117	SIDE	2.136	0.65	NO	0
OR2725	STM3145	J47018_3	SIDE	2.543	0.65	NO	0
OR2726	STM3146	J46919_2	SIDE	2.552	0.65	NO	0
OR2727	STM3146	J46917_1	SIDE	2.187	0.65	NO	0
OR2728	STM3143	J46207	SIDE	2.171	0.65	NO	0
OR2729	STM3143	J46208_2	SIDE	2.6	0.65	NO	0
OR273	CB881_963	STM6071	SIDE	0	0.65	NO	0

OR2730	STM3144	J45999_1	SIDE	2.371	0.65	NO	0
OR2731	STM3144	J46001_1_1	SIDE	2.555	0.65	NO	0
OR2732	J685	J45808_1_1	SIDE	2.078	0.65	NO	0
OR2733	J686	J45600_1_1	SIDE	2.057	0.65	NO	0
OR2734	J686	J45599_1	SIDE	1.852	0.65	NO	0
OR2735	J685	J45705_1	SIDE	1.961	0.65	NO	0
OR2736	STM3619	J45052_1	SIDE	1.643	0.65	NO	0
OR2737	STM3619	J44940_1	SIDE	2.384	0.65	NO	0
OR2738	CYR_6	J44578_1	SIDE	0.992	0.65	NO	0
OR2739	CYR_6	J44454_1	SIDE	0.516	0.65	NO	0
OR274	CB4369_4370	STM270	SIDE	0	0.65	NO	0
OR2740	CYR_5	J44327_1	SIDE	0.842	0.65	NO	0
OR2741	CYR_5	J44062_1	SIDE	0.801	0.65	NO	0
OR2742	CYR_4	J43664_1	SIDE	1.113	0.65	NO	0
OR2743	CYR_4	J43928_1	SIDE	0.638	0.65	NO	0
OR2744	CYR_3	J43662_1	SIDE	1.73	0.65	NO	0
OR2745	CYR_3	J43524_1	SIDE	1.691	0.65	NO	0
OR2746	CYR_C2	J43523_1	SIDE	1.254	0.65	NO	0
OR2747	CYR_C2	J43659_1	SIDE	1.5	0.65	NO	0
OR2748	CYR_C1	J43521	SIDE	0.78	0.65	NO	0
OR2749	CYR_C1	J43381_1	SIDE	1.44	0.65	NO	0
OR275	CB4369_4370	STM270	SIDE	0	0.65	NO	0
OR2750	CYR_2	J43518_3_1	SIDE	0.542	0.65	NO	0
OR2751	CYR_2	J43240_1	SIDE	1.046	0.65	NO	0
OR2752	CYR_1	J43100_2	SIDE	0.824	0.65	NO	0
OR2753	CYR_1	J42833_1	SIDE	1.691	0.65	NO	0
OR2754	CYR_OUT	J42959	SIDE	0.633	0.65	NO	0
OR2755	STM6125	J21981	SIDE	2.843	0.65	NO	0
OR2756	STM6125	J21500_1	SIDE	2.841	0.65	NO	0
OR2757	J8	J19820_1	SIDE	2.242	0.65	NO	0
OR2758	J8	J19822_1	SIDE	2.292	0.65	NO	0
OR2759	STM975	J17863_1_1	SIDE	2.408	0.65	NO	0
OR276	CB1250	STM270	SIDE	0	0.65	NO	0
OR2760	STM975	J17863_1_1	SIDE	2.455	0.65	NO	0
OR2761	STM976	J17376_1	SIDE	2.807	0.65	NO	0
OR2762	STM976	J17377_1	SIDE	2.462	0.65	NO	0
OR2763	STM973	J17140_1	SIDE	2.839	0.65	NO	0
OR2764	STM973	J17142_2	SIDE	2.722	0.65	NO	0
OR2765	STM974	J16906_1	SIDE	2.899	0.65	NO	0
OR2766	STM974	J16908_2	SIDE	2.641	0.65	NO	0
OR2767	STM971	J16442_1	SIDE	2.84	0.65	NO	0
OR2768	STM971	J16444_3	SIDE	2.607	0.65	NO	0
OR2769	STM972	J16229_2	SIDE	2.608	0.65	NO	0
;continuous grade							
OR277	CB1252	STM431	SIDE	0	0.65	NO	0
OR2770	STM972	J16228	SIDE	2.918	0.65	NO	0
OR2771	STM969	J15795_1	SIDE	2.615	0.65	NO	0
OR2772	STM969	J15796_2_1	SIDE	2.615	0.65	NO	0
OR2773	STM970	J15573_2_1	SIDE	2.672	0.65	NO	0
OR2774	STM970	J15571_1	SIDE	3.021	0.65	NO	0
OR2775	STM967	J14911	SIDE	2.406	0.65	NO	0
OR2776	STM967	J14912_2_1	SIDE	2.467	0.65	NO	0
OR2777	STM968	J14695_2_1	SIDE	2.533	0.65	NO	0
OR2778	STM968	J14694_1	SIDE	2.449	0.65	NO	0
OR2779	STM3591	J14476_2_1	SIDE	2.333	0.65	NO	0
OR278	CB1251	STM432	SIDE	0	0.65	NO	0
OR2780	STM3592	J14268_2_1	SIDE	2.34	0.65	NO	0
OR2781	STM3592	J14267_1	SIDE	1.483	0.65	NO	0
OR2782	STM3591	J14474_1	SIDE	2.445	0.65	NO	0
OR2783	STM2411	J14035_1	SIDE	2.576	0.65	NO	0
OR2784	STM2412	J13600_1	SIDE	2.301	0.65	NO	0
OR2785	STM2411	J14037_2_1	SIDE	2.353	0.65	NO	0
OR2786	STM2412	J13602_2_1	SIDE	2.354	0.65	NO	0
OR2787	STM2409	J12970_2	SIDE	1.861	0.65	NO	0

OR2788	STM2409	J13183_2_1	SIDE	2.31	0.65	NO	0
OR2789	STM2410	J12772	SIDE	2.282	0.65	NO	0
OR279	CB1250	STM270	SIDE	0	0.65	NO	0
OR2790	STM2410	J12773_2_1	SIDE	2.206	0.65	NO	0
OR2791	STM2407	J12578_2	SIDE	2.352	0.65	NO	0
OR2792	STM2407	J12576_1	SIDE	2.416	0.65	NO	0
OR2793	STM2408	J12380_2	SIDE	2.673	0.65	NO	0
OR2794	STM2408	J12379_1	SIDE	2.566	0.65	NO	0
OR2795	STM2405	J11620	SIDE	2.484	0.65	NO	0
OR2796	STM2406	J11434_1	SIDE	2.336	0.65	NO	0
OR2797	STM2406	J11436_2	SIDE	2.269	0.65	NO	0
OR2798	STM2405	J11622_2	SIDE	2.212	0.65	NO	0
OR2799	STM2403	J11057_2	SIDE	2.264	0.65	NO	0
OR28	CB4257	STM3000	SIDE	0	0.65	NO	0
;continuous grade							
OR280	CB1249	STM270	SIDE	0	0.65	NO	0
OR2800	STM2404	J10868_2	SIDE	2.257	0.65	NO	0
OR2801	STM2404	J10866_1	SIDE	2.255	0.65	NO	0
OR2802	STM2403	J11056_1	SIDE	2.268	0.65	NO	0
OR2803	STM2401	J10496_1	SIDE	2.306	0.65	NO	0
OR2804	STM2402	J10326	SIDE	2.285	0.65	NO	0
OR2805	STM2402	J10157_2	SIDE	2.217	0.65	NO	0
OR2806	STM2401	J10498_2	SIDE	2.263	0.65	NO	0
OR2807	STM2399	J10157_2	SIDE	2.287	0.65	NO	0
OR2808	STM2399	J9978	SIDE	2.166	0.65	NO	0
OR2809	STM2400	J9812_1_3_1	SIDE	2.23	0.65	NO	0
;continuous grade							
OR281	CB1249	STM270	SIDE	0	0.65	NO	0
OR2810	STM2400	J9811_1	SIDE	2.164	0.65	NO	0
OR2811	STM2397	J9647_1	SIDE	2.266	0.65	NO	0
OR2812	STM2398	J9479_1	SIDE	2.121	0.65	NO	0
OR2813	STM2395	J9314_1	SIDE	2.18	0.65	NO	0
OR2814	STM2396	J9314_1	SIDE	2.16	0.65	NO	0
OR2815	STM2393	J9153	SIDE	2.224	0.65	NO	0
OR2816	STM2394	J8988	SIDE	2.482	0.65	NO	0
OR2817	STM2394	J8990_2_1	SIDE	2.323	0.65	NO	0
OR2818	STM2393	J9154_1_3_1	SIDE	2.259	0.65	NO	0
OR2819	STM2396	J9315_1_3_1	SIDE	2.186	0.65	NO	0
OR282	CB1162	STM263	SIDE	0	0.65	NO	0
OR2820	STM2395	J9480_1_2_1	SIDE	2.224	0.65	NO	0
OR2821	STM2398	J9480_1_2_1	SIDE	2.244	0.65	NO	0
OR2822	STM2397	J9648_1_3_1	SIDE	2.258	0.65	NO	0
OR2823	STM2391	J8988	SIDE	2.382	0.65	NO	0
OR2824	STM2391	J8990_2_1	SIDE	2.223	0.65	NO	0
OR2825	STM2392	J8684_2_1	SIDE	2.296	0.65	NO	0
OR2826	STM2392	J8682_1	SIDE	2.545	0.65	NO	0
OR2827	J39	J8684_2_1	SIDE	2.296	0.65	NO	0
OR2828	J39	J8527_1	SIDE	2.659	0.65	NO	0
OR2829	J40	J8368_1	SIDE	2.474	0.65	NO	0
OR283	CB1162	STM263	SIDE	0	0.65	NO	0
OR2830	J40	J8369_1_4_1	SIDE	2.321	0.65	NO	0
OR2831	STM2389	J8212_1	SIDE	2.466	0.65	NO	0
OR2832	STM2389	J8369_1_4_1	SIDE	2.301	0.65	NO	0
OR2833	STM2390	J8214_2_1	SIDE	2.334	0.65	NO	0
OR2834	STM2390	J8212_1	SIDE	2.466	0.65	NO	0
OR2835	ETLD-OUT	J8062_1	SIDE	3.436	0.65	NO	0
OR2836	ETLD-OUT	J8063_1_1	SIDE	3.436	0.65	NO	0
OR2837	MHB2	J23761	BOTTOM	2.247	0.65	NO	0
OR2838	MHB3	J22046	BOTTOM	2.124	0.65	NO	0
OR2839	MHB4	J21336	BOTTOM	2.666	0.65	NO	0
OR284	CB1556_990	STM223	SIDE	0	0.65	NO	0
OR2840	MHC1	J17693	BOTTOM	2.697	0.65	NO	0
OR2841	MHC3	J20852	BOTTOM	2.598	0.65	NO	0
OR2842	MHE1A	J17704	BOTTOM	1.4	0.65	NO	0

OR2843	MHE1B	J19166	BOTTOM	1.4	0.65	NO	0
OR2844	MHEW1	J26704	BOTTOM	2.444	0.65	NO	0
OR2845	MHEW2	J24726	BOTTOM	2.255	0.65	NO	0
OR2846	MHEW3	J22502	BOTTOM	1.902	0.65	NO	0
OR2847	MHEW4	J19620	BOTTOM	2.135	0.65	NO	0
OR2848	MHEW5	J17911	BOTTOM	2.176	0.65	NO	0
OR2849	STM_F6	STM_F4	SIDE	0	0.65	NO	0
OR285	CB1556_990	STM223	SIDE	0	0.65	NO	0
OR2850	STM_F7	STM_F4	SIDE	0	0.65	NO	0
OR2851	Auto_J	STM1266	SIDE	0	0.65	NO	0
OR2852	Auto_J	STM1266	SIDE	0	0.65	NO	0
OR2853	J66580	STM1247	SIDE	0	0.65	NO	0
OR2854	J66581	STM1247	SIDE	0	0.65	NO	0
OR2855	CB_J66582	J370	SIDE	0	0.65	NO	0
OR2856	CB_J66582	J370	SIDE	0	0.65	NO	0
OR2857	CB_J665821	STM423	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2858	MH19-S	MH19	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2859	MH18-S	MH18	SIDE	0	0.65	NO	0
;continuous grade							
OR286	CB2799	STM3128	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2860	MH17_S2	MH17	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2861	MH17_S2	MH17	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2862	MH17-S	MH17	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2863	MH9-S	MH9	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2864	MH10-S	MH10	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2865	MH11-S	MH11	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2866	MH16-S	MH16	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2867	MH16-S	MH16	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2868	MH16-S2	MH16	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2869	MH16-S2	MH14	SIDE	0	0.65	NO	0
OR287	CB3	STM3130	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2870	MH14-S	MH14	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2871	MH15-S	MH15	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2872	MH13-S	MH13	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2873	MH12-S	MH12	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2874	MH8-S	MH8	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2875	MH7-S	MH7	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2876	MH6-S	MH6	SIDE	0	0.65	NO	0
OR2877	MHEW6	J15618	BOTTOM	1.706	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2878	MH4-S	MH4	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2879	MH2-S	MH2	SIDE	0	0.65	NO	0
;continuous grade							
OR288	CB2719_2773	STM3134	SIDE	0	0.65	NO	0

OR2880	MHEW7	J13649	BOTTOM	1.955	0.65	NO	0
OR2881	MHK1	J25975_1	BOTTOM	4.201	0.65	NO	0
OR2882	MHK2	J24756_1	BOTTOM	4.252	0.65	NO	0
OR2883	MHK3	J22781_1	BOTTOM	4.252	0.65	NO	0
OR2884	MHK4	J21583	BOTTOM	4.255	0.65	NO	0
OR2885	MHK5	J19416	BOTTOM	4.462	0.65	NO	0
OR2886	MHK6	J17462	BOTTOM	4.154	0.65	NO	0
OR2887	MHR1B	J16297	BOTTOM	1.4	0.65	NO	0
OR2888	MHR2	J16759	BOTTOM	1.6	0.65	NO	0
OR2889	MHR2A	J16756	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR289	CB2718_2772	STM3134	SIDE	0	0.65	NO	0
OR2890	MHW1	J20370	BOTTOM	1.4	0.65	NO	0
OR2891	MHW1A	J20370	BOTTOM	2.432	0.65	NO	0
OR2892	MHW2	J22528	BOTTOM	1.4	0.65	NO	0
OR2893	J2135	J27216	BOTTOM	0.972	0.65	NO	0
OR2894	J2137	J25722	BOTTOM	2.322	0.65	NO	0
OR2895	J2145	J23515	BOTTOM	2.043	0.65	NO	0
OR2896	J2147	J21320	BOTTOM	2.152	0.65	NO	0
OR2897	J2175	J19149	BOTTOM	1.883	0.65	NO	0
OR2898	J2215	J16969	BOTTOM	1.934	0.65	NO	0
OR2899	J2218	J27711	BOTTOM	0.999	0.65	NO	0
OR29	CB4258	STM3000	SIDE	0	0.65	NO	0
;continuous grade							
OR290	CB2717_2771	STM3142	SIDE	0	0.65	NO	0
OR2900	J2243	J19650	BOTTOM	2.434	0.65	NO	0
OR2901	J2236	J4827	BOTTOM	1.363	0.65	NO	0
OR2902	Jun-54.1	J863	BOTTOM	0.71	0.65	NO	0
OR2903	J2136	J11349	BOTTOM	1.435	0.65	NO	0
OR2904	J2139	J12109	BOTTOM	2.013	0.65	NO	0
OR2905	Jun-47	J46	BOTTOM	1.29	0.65	NO	0
OR2906	PondOutfall	J1964	BOTTOM	0.386	0.65	NO	0
OR2907	Jun-48	J2048	BOTTOM	0.087	0.65	NO	0
OR2908	M_CULV	J45171_1	BOTTOM	2.331	0.65	NO	0
OR291	CB2770_2716	STM4188	SIDE	0	0.65	NO	0
OR292	CB2769_2715	STM4192	SIDE	0	0.65	NO	0
OR293	CB2769_2715	STM4192	SIDE	0	0.65	NO	0
;continuous grade							
OR294	CB2909_2910	STM4201	SIDE	0	0.65	NO	0
;continuous grade							
OR295	CB2909_2910	STM4201	SIDE	0	0.65	NO	0
OR296	CB2765_2711	STM3855	SIDE	0	0.65	NO	0
OR297	CB2766	STM3855	SIDE	0	0.65	NO	0
OR298	CB2916_2915	STM3856.1	SIDE	0	0.65	NO	0
OR299	CB2762_2763	STM3871	SIDE	0	0.65	NO	0
OR3	ESTL_Flume2	Drop_Chamber	SIDE	0	0.65	NO	0
OR30	CB1984	STM2991	SIDE	0	0.65	NO	0
OR300	CB3074_2816	STM5085	SIDE	0	0.65	NO	0
OR301	CB2815_3073	STM5081	SIDE	0	0.65	NO	0
OR302	CB3075_2817	STM5081	SIDE	0	0.65	NO	0
OR303	CB3076_2818	STM5077	SIDE	0	0.65	NO	0
OR304	CB3077_2819	STM5070	SIDE	0	0.65	NO	0
OR305	CB3078_2820	STM5069	SIDE	0	0.65	NO	0
OR306	CB3079_3081	STM4810	SIDE	0	0.65	NO	0
OR307	CB3079_3081	STM4810	SIDE	0	0.65	NO	0
OR308	CB941_155	STM4809	SIDE	0	0.65	NO	0
OR309	CB941_155	STM4809	SIDE	0	0.65	NO	0
OR31	CB1985_1929	STM2990	SIDE	0	0.65	NO	0
OR310	CB4357_4326	STM4	SIDE	0	0.65	NO	0
OR311	CB31	STM3	SIDE	0	0.65	NO	0
OR312	CB30	STM3868	SIDE	0	0.65	NO	0
OR313	CB2826_3087	STM4654	SIDE	0	0.65	NO	0
OR314	CB3088_2827	STM4650	SIDE	0	0.65	NO	0
OR315	CB3089_2828	STM4422	SIDE	0	0.65	NO	0

;continuous grade								
OR316	CB2841	STM4390	SIDE	0	0.65	NO	0	
;continuous grade								
OR317	CB2840_3105	STM4389	SIDE	0	0.65	NO	0	
;continuous grade								
OR318	CB2839_3101	STM4755	SIDE	0	0.65	NO	0	
OR319	CB2858_3126	STM4711	SIDE	0	0.65	NO	0	
OR32	CB1986	STM2993	SIDE	0	0.65	NO	0	
OR320	CB2869_3137	STM4729	SIDE	0	0.65	NO	0	
OR321	CB2868_3136	STM4719	SIDE	0	0.65	NO	0	
OR322	CB3135_2867	STM4721	SIDE	0	0.65	NO	0	
OR323	CB3141_3140	STM4722	SIDE	0	0.65	NO	0	
OR324	CB2875_3148	STM4690	SIDE	0	0.65	NO	0	
OR325	CB3145_2874	STM4694	SIDE	0.075	0.65	NO	0	
OR326	CB3138_2870	STM4737	SIDE	0	0.65	NO	0	
OR327	CB3138_2870	STM4737	SIDE	0	0.65	NO	0	
OR328	CB3129_2861	STM4678	SIDE	0	0.65	NO	0	
OR329	CB3128_2860	STM4672	SIDE	0	0.65	NO	0	
OR33	CB1982_1927	STM2585	SIDE	0	0.65	NO	0	
OR330	CB3134_2866	STM4672	SIDE	0	0.65	NO	0	
OR331	CB2829_3090	STM4422	SIDE	0	0.65	NO	0	
OR332	CB2831_3092	STM4419	SIDE	0	0.65	NO	0	
;continuous grade								
OR333	CB2940_3011	STM4351	SIDE	0	0.65	NO	0	
OR334	CB3109_2842	STM4390	SIDE	0	0.65	NO	0	
;continuous grade								
OR335	CB2939_3008	STM4351	SIDE	0	0.65	NO	0	
;continuous grade								
OR336	CB3005_2938	STM4351	SIDE	0	0.65	NO	0	
OR337	CB2937_2999	STM4351	SIDE	0	0.65	NO	0	
;continuous grade								
OR338	CB2996_2935	STM4373	SIDE	0	0.65	NO	0	
OR339	CB2933_2994	STM4373	SIDE	0	0.65	NO	0	
OR34	CB1981	STM2584	SIDE	0	0.65	NO	0	
OR340	CB2832_2833	STM3877	SIDE	0	0.65	NO	0	
;continuous grade								
OR341	CB2992_2926	STM3876	SIDE	0	0.65	NO	0	
OR342	CB2927_2990	STM3871	SIDE	0	0.65	NO	0	
;continuous grade								
OR343	CB2913_2759	STM3856	SIDE	0	0.65	NO	0	
;continuous grade								
OR344	CB4	STM4202	SIDE	0	0.65	NO	0	
OR3449	J643	STM6071	SIDE	0	0.65	NO	0	
OR345	CB2757_2908	STM4202.1	SIDE	0	0.65	NO	0	
OR346	CB349_150	STM2366	SIDE	0	0.65	NO	0	
OR347	CB151_350	STM2361	SIDE	0	0.65	NO	0	
OR348	CB4235_351	STM1861	SIDE	0	0.65	NO	0	
OR349	CB353_152	STM1860	SIDE	0	0.65	NO	0	
OR35	CB1980_1925	STM2582	SIDE	0	0.65	NO	0	
OR350	CB352	STM2356	SIDE	0	0.65	NO	0	
OR351	CB13_63	STM1102	SIDE	0	0.65	NO	0	
OR352	CB576_383	STM301	SIDE	0	0.65	NO	0	
OR353	CB576_383	STM301	SIDE	0	0.65	NO	0	
OR354	CB382_575	J18	SIDE	0	0.65	NO	0	
OR355	CB382_575	J18	SIDE	0	0.65	NO	0	
OR356	CB381_574	J19	SIDE	0	0.65	NO	0	
OR357	CB381_574	J19	SIDE	0	0.65	NO	0	
OR358	CB573_380	STM300	SIDE	0	0.65	NO	0	
OR359	CB573_380	STM300	SIDE	0	0.65	NO	0	
OR36	CB1977_1923	STM2583	SIDE	0	0.65	NO	0	
OR360	CB572_379	STM73	SIDE	0	0.65	NO	0	
OR361	CB572_379	STM73	SIDE	0	0.65	NO	0	
OR362	CB571_378	STM73	SIDE	0	0.65	NO	0	
OR363	CB571_378	STM73	SIDE	0	0.65	NO	0	

OR364	CB570_377	J6	SIDE	0	0.65	NO	0
OR365	CB570_377	J6	SIDE	0	0.65	NO	0
OR366	CB569_376	J7	SIDE	0	0.65	NO	0
OR367	CB569_376	J7	SIDE	0	0.65	NO	0
;continuous grade							
OR368	CB567_374	J9	SIDE	0	0.65	NO	0
;continuous grade							
OR369	CB567_374	J9	SIDE	0	0.65	NO	0
OR37	CB1924_1978	STM3915	SIDE	0	0.65	NO	0
OR370	CB566_373	STM87	SIDE	0	0.65	NO	0
OR371	CB566_373	STM87	SIDE	0	0.65	NO	0
;continuous grade							
OR372	CB565_372	J11	SIDE	0	0.65	NO	0
;continuous grade							
OR373	CB565_372	J11	SIDE	0	0.65	NO	0
;continuous grade							
OR374	CB564_371	STM100	SIDE	0	0.65	NO	0
;continuous grade							
OR375	CB564_371	STM100	SIDE	0	0.65	NO	0
OR376	CB563_370	J23	SIDE	0	0.65	NO	0
OR377	CB563_370	J23	SIDE	0	0.65	NO	0
OR378	CB562_369	STM109	SIDE	0	0.65	NO	0
OR379	CB562_369	STM109	SIDE	0	0.65	NO	0
OR38	CB1979	STM3912	SIDE	0	0.65	NO	0
;continuous grade							
OR380	CB368	J24	SIDE	0	0.65	NO	0
;continuous grade							
OR381	CB560_367	J24	SIDE	0	0.65	NO	0
;continuous grade							
OR382	CB560_367	J24	SIDE	0	0.65	NO	0
OR383	CB412_413_366	STM114	SIDE	0	0.65	NO	0
OR384	CB412_413_366	STM114	SIDE	0	0.65	NO	0
OR385	CB406_365	STM116.1	SIDE	0	0.65	NO	0
OR386	CB406_365	STM116.1	SIDE	0	0.65	NO	0
OR387	CB197_593	STM621	SIDE	0	0.65	NO	0
OR388	CB197_593	STM621	SIDE	0	0.65	NO	0
OR389	CB189_228	STM477	SIDE	0	0.65	NO	0
;continuous grade							
OR39	CB2035_1973	STM2569	SIDE	0	0.65	NO	0
OR390	CB189_228	STM477	SIDE	0	0.65	NO	0
;continuous grade							
OR391	CB592_196	STM113.2	SIDE	0	0.65	NO	0
;continuous grade							
OR392	CB592_196	STM113.2	SIDE	0	0.65	NO	0
OR393	CB227	STM486	SIDE	0	0.65	NO	0
OR394	CB227	STM486	SIDE	0	0.65	NO	0
OR395	CB278_277	STM583	SIDE	0	0.65	NO	0
OR396	CB278_277	STM583	SIDE	0	0.65	NO	0
;continuous grade							
OR397	CB62_12	STM1285	SIDE	0	0.65	NO	0
OR398	CB8_51	STM1285	SIDE	0	0.65	NO	0
;Multiple CB's							
OR399	CB71_19	STM1279	SIDE	0	0.65	NO	0
OR4	CB2018_1952	STM3497	SIDE	0.148	0.65	NO	0
;continuous grade							
OR40	CB1974	STM2562	SIDE	0	0.65	NO	0
OR400	CB286_244	STM1734	SIDE	0	0.65	NO	0
OR401	CB204_598	STM672	SIDE	0	0.65	NO	0
OR402	CB204_598	STM672	SIDE	0	0.65	NO	0
;continuous grade							
OR403	CB361_360	STM113.2	SIDE	0	0.65	NO	0
;continuous grade							
OR404	CB363_364	STM113.2	SIDE	0	0.65	NO	0
OR405	CB359_358	J1	SIDE	0	0.65	NO	0

;continuous grade								
OR406	J413	STM237	SIDE	0	0.65	NO	0	
;continuous grade								
OR407	J412	STM237	SIDE	0	0.65	NO	0	
OR408	CB359_358	J1	SIDE	0	0.65	NO	0	
OR409	CB1558	STM221	SIDE	0	0.65	NO	0	
OR41	CB1976_1922	STM2577	SIDE	0	0.65	NO	0	
OR410	CB1558	STM221	SIDE	0	0.65	NO	0	
OR411	CB1557	STM222	SIDE	0	0.65	NO	0	
OR412	CB1557	STM222	SIDE	0	0.65	NO	0	
;Multiple CB's								
OR413	CB4376	STM423	SIDE	0	0.65	NO	0	
OR414	CB9599	STM7211	SIDE	0	0.65	NO	0	
OR415	CB9601	STM7212	SIDE	0	0.65	NO	0	
OR416	CB3131_3130	STM4658	SIDE	0	0.65	NO	0	
OR417	CB2830_3091	STM4682	SIDE	0	0.65	NO	0	
OR418	CB3146_3147	STM4686	SIDE	0	0.65	NO	0	
OR419	CB3149_2876	STM4702	SIDE	0	0.65	NO	0	
OR42	CB1975_1921	STM2573	SIDE	0	0.65	NO	0	
OR420	CB2877_3150	STM4695	SIDE	0	0.65	NO	0	
OR421	CB2865_2864	STM4668	SIDE	0	0.65	NO	0	
OR422	CB3016	STM4469	SIDE	0	0.65	NO	0	
OR423	CB3086_2825	STM3868	SIDE	0	0.65	NO	0	
OR424	CB4279_4297	STM3	SIDE	0	0.65	NO	0	
;continuous grade								
OR425	CB3085_2824	STM001	SIDE	0	0.65	NO	0	
OR426	CB4266_4278	STM7160	SIDE	0	0.65	NO	0	
;continuous grade								
OR427	CB3084_2823	STM4528	SIDE	0	0.65	NO	0	
OR428	CB2083	STM4518	SIDE	0	0.65	NO	0	
OR429	CB2083	STM4518	SIDE	0	0.65	NO	0	
OR43	CB723_724	STM762	SIDE	0	0.65	NO	0	
;Multiple CB's								
OR430	CB2767	STM3855	SIDE	0	0.65	NO	0	
OR431	CB2907_2753	STM4316	SIDE	0	0.65	NO	0	
OR432	CB2906_2752	STM3124	SIDE	0	0.65	NO	0	
;continuous grade								
OR433	CB2800_2740	STM3123	SIDE	0	0.65	NO	0	
OR434	CB2802_2741	STM3124	SIDE	0	0.65	NO	0	
OR435	CB2742_2805	J338	SIDE	0	0.65	NO	0	
OR436	CB2750	STM4315	SIDE	0	0.65	NO	0	
OR437	CB1611	STM2420	SIDE	0	0.65	NO	0	
OR438	CB1609_1610	STM2420	SIDE	0	0.65	NO	0	
OR439	CB1625_1518	STM2421	SIDE	0	0.65	NO	0	
OR44	CB723_724	STM762	SIDE	0	0.65	NO	0	
OR440	J281	J274	SIDE	0	0.65	NO	0	
OR441	CB1626_1519	STM2428	SIDE	0.199	0.65	NO	0	
OR442	CB1627_1520	STM2428	SIDE	0	0.65	NO	0	
OR443	CB1620	STM2148	SIDE	0	0.65	NO	0	
OR444	CB1640	STM2148	SIDE	0	0.65	NO	0	
OR445	CB1529_1642	STM2148	SIDE	0	0.65	NO	0	
OR446	CB1639_1641	STM2846	SIDE	0	0.65	NO	0	
OR447	CB1531	STM2147	SIDE	0	0.65	NO	0	
;continuous grade								
OR448	CB1646_1534	STM2154	SIDE	0	0.65	NO	0	
;continuous grade								
OR449	CB1535_1647	STM2159	SIDE	0	0.65	NO	0	
OR45	CB1993_1994	STM3301	SIDE	0	0.65	NO	0	
;continuous grade								
OR450	CB1648_1534	STM2160	SIDE	0	0.65	NO	0	
;continuous grade								
OR451	CB1649_1537	STM2160	SIDE	0	0.65	NO	0	
OR452	CB1538_1650	STM2807	SIDE	0	0.65	NO	0	
OR453	CB1539_1651	STM2807	SIDE	0	0.65	NO	0	

OR454	CB1540_1652	STM2802	SIDE	0	0.65	NO	0
OR455	CB1661_1547	STM2802	SIDE	0	0.65	NO	0
OR456	CB1548_1662	STM2803	SIDE	0	0.65	NO	0
OR457	CB1554_987	STM3815	SIDE	0	0.65	NO	0
OR458	CB1549_975	STM3815	SIDE	0	0.65	NO	0
OR459	CB1015	STM388	SIDE	0	0.65	NO	0
OR46	CB1989_1990	STM3301	SIDE	0	0.65	NO	0
OR460	CB1014	STM388	SIDE	0	0.65	NO	0
;Multiple CB's							
OR461	CB1555_988	STM162	SIDE	0	0.65	NO	0
;Multiple CB's							
OR462	CB4381_4380	STM232	SIDE	0	0.65	NO	0
;Multiple CB's							
OR463	CB1552_984	STM3815	SIDE	0.139	0.65	NO	0
OR464	CB4373	STM424	SIDE	0	0.65	NO	0
OR465	CB4373	STM424	SIDE	0	0.65	NO	0
OR466	CB993	STM422	SIDE	0	0.65	NO	0
;continuous grade							
OR467	CB4321	STM6027	SIDE	0	0.65	NO	0
;continuous grade							
OR468	CB4321	STM6027	SIDE	0	0.65	NO	0
;Multiple CB's							
OR469	CB1679_1842	STM7213	SIDE	0	0.65	NO	0
OR47	CB1987_1988	STM3003	SIDE	0	0.65	NO	0
;Multiple CB's							
OR470	CB9605_9604	STM7213	SIDE	0	0.65	NO	0
OR471	CB9962	STM7211	SIDE	0	0.65	NO	0
OR472	CB9962	STM7211	SIDE	0	0.65	NO	0
;Multiple CB's							
OR473	CB1126_924	STM1626	SIDE	0	0.65	NO	0
OR474	CB1087	STM1274	SIDE	0	0.65	NO	0
OR475	CB1087	STM1274	SIDE	0	0.65	NO	0
OR476	CB1078	STM1266	SIDE	0	0.65	NO	0
OR477	CB1078	STM1266	SIDE	0	0.65	NO	0
OR478	CB1077_4236	STM1266	SIDE	0	0.65	NO	0
OR479	CB1074	STM1255	SIDE	0	0.65	NO	0
OR48	CB2122_5358	STM1805.1	SIDE	0	0.65	NO	0
OR480	CB1077_4236	STM1266	SIDE	0	0.65	NO	0
OR481	CB1065	STM1255	SIDE	0	0.65	NO	0
OR482	CB1065	STM1255	SIDE	0	0.65	NO	0
OR483	CB973_903	J81	SIDE	0	0.65	NO	0
OR484	CB973_903	J81	SIDE	0	0.65	NO	0
OR485	CB966_894	STM1247	SIDE	0	0.65	NO	0
OR486	CB966_894	STM1247	SIDE	0	0.65	NO	0
OR487	CB965_663	STM1247	SIDE	0	0.65	NO	0
OR488	CB965_663	STM1247	SIDE	0	0.65	NO	0
OR489	CB660_890	STM253	SIDE	0	0.65	NO	0
;continuous grade							
OR49	CB34_35	STM820	SIDE	0	0.65	NO	0
OR490	CB660_890	STM253	SIDE	0	0.65	NO	0
OR491	CB6302_6303	STM253	SIDE	0	0.65	NO	0
OR492	CB6302_6303	STM253	SIDE	0	0.65	NO	0
OR493	J414	STM253	SIDE	0	0.65	NO	0
;continuous grade							
OR494	J411	STM253	SIDE	0	0.65	NO	0
OR495	CB657_886	STM458	SIDE	0	0.65	NO	0
OR496	CB657_886	STM458	SIDE	0	0.65	NO	0
;continuous grade							
OR497	CB1308_1309	STM6026	SIDE	0	0.65	NO	0
;continuous grade							
OR498	CB1308_1309	STM6026	SIDE	0	0.65	NO	0
;continuous grade							
OR499	CB1306_1307	STM6026	SIDE	0	0.65	NO	0
OR5	CB_ST,G1	MHG1	SIDE	0.499	0.65	NO	0

;continuous grade								
OR50	CB37_87	STM825	SIDE	0	0.65	NO	0	
;continuous grade								
OR500	CB1306_1307	STM6026	SIDE	0	0.65	NO	0	
;continuous grade								
OR501	CB1304_1305	STM6012	SIDE	0	0.65	NO	0	
;continuous grade								
OR502	CB1304_1305	STM6012	SIDE	0	0.65	NO	0	
OR503	CB1302_1303	STM5952	SIDE	0	0.65	NO	0	
OR504	CB1302_1303	STM5952	SIDE	0	0.65	NO	0	
OR505	CB1287_1298	STM5952	SIDE	0	0.65	NO	0	
OR506	CB1287_1298	STM5952	SIDE	0	0.65	NO	0	
OR507	CB1220_1221	STM5951	SIDE	0	0.65	NO	0	
OR508	CB1220_1221	STM5951	SIDE	0	0.65	NO	0	
OR509	CB1207_1208	STM5951	SIDE	0	0.65	NO	0	
OR51	CB36_86	STM830	SIDE	0	0.65	NO	0	
OR510	CB1207_1208	STM5951	SIDE	0	0.65	NO	0	
OR511	CB1286_1285	STM5951	SIDE	0	0.65	NO	0	
OR512	CB1286_1285	STM5951	SIDE	0	0.65	NO	0	
OR513	CB1209	STM5951	SIDE	0	0.65	NO	0	
OR514	CB1283_1284	STM6062	SIDE	0	0.65	NO	0	
OR515	CB1283_1284	STM6062	SIDE	0	0.65	NO	0	
OR516	CB1282_1281	STM6062	SIDE	0	0.65	NO	0	
OR517	CB1282_1281	STM6062	SIDE	0	0.65	NO	0	
OR518	CB1206_1205	STM6062	SIDE	0	0.65	NO	0	
OR519	CB1206_1205	STM6062	SIDE	0	0.65	NO	0	
OR52	CB75_23	STM1097	SIDE	0	0.65	NO	0	
OR520	CB1203_1204	STM6060	SIDE	0	0.65	NO	0	
OR521	CB1203_1204	STM6060	SIDE	0	0.65	NO	0	
OR522	CB1279_1280	STM3598	SIDE	0	0.65	NO	0	
OR523	CB1279_1280	STM3598	SIDE	0	0.65	NO	0	
OR524	CB1202_1201	J661	SIDE	0	0.65	NO	0	
OR525	CB1202_1201	J661	SIDE	0	0.65	NO	0	
OR526	CB1189_1276	STM3589	SIDE	0	0.65	NO	0	
OR527	CB1189_1276	STM3589	SIDE	0	0.65	NO	0	
OR528	CB1190_1277	STM3590	SIDE	0	0.65	NO	0	
OR529	CB1190_1277	STM3590	SIDE	0	0.65	NO	0	
OR53	J435	STM1280	SIDE	0	0.65	NO	0	
OR530	CB1194_1195	J660	SIDE	0	0.65	NO	0	
OR531	CB1194_1195	J660	SIDE	0	0.65	NO	0	
OR532	CB1601_1503	J555	SIDE	0	0.65	NO	0	
OR533	CB335_133	STM1840	SIDE	0	0.65	NO	0	
OR534	CB334_132	STM1841	SIDE	0	0.65	NO	0	
OR535	CB131_333	STM1841	SIDE	0	0.65	NO	0	
OR536	CB605_211	STM77	SIDE	0	0.65	NO	0	
OR537	CB605_211	STM77	SIDE	0	0.65	NO	0	
OR538	CB339_137	STM2653	SIDE	0	0.65	NO	0	
OR539	CB338_136	STM3790	SIDE	0	0.65	NO	0	
OR54	CB17_69	STM1101	SIDE	0	0.65	NO	0	
OR540	J314	STM4315	SIDE	0	0.65	NO	0	
OR541	J317	STM3399	SIDE	0	0.65	NO	0	
;continuous grade								
OR542	CB76_24	STM1087	SIDE	0	0.65	NO	0	
;continuous grade								
OR543	CB25_4223	J12	SIDE	0	0.65	NO	0	
OR544	CB584_389	J12	SIDE	0	0.65	NO	0	
OR545	CB584_389	J12	SIDE	0	0.65	NO	0	
OR546	J318	STM7020	SIDE	0	0.65	NO	0	
OR547	CB2292	STM3399	SIDE	0	0.65	NO	0	
OR548	CB503	STM1143	SIDE	0	0.65	NO	0	
;Multiple CB's								
OR549	CB1598_4262	STM2019	SIDE	0	0.65	NO	0	
OR55	CB4224_16	STM1102	SIDE	0	0.65	NO	0	
;Multiple CB's								

OR550	CB1587_1490	STM2634	SIDE	0	0.65	NO	0
;Multiple CB's							
OR551	CB1591_1494	STM2638	SIDE	0	0.65	NO	0
;Multiple CB's							
OR552	CB1575_1574	STM3514	SIDE	0	0.65	NO	0
;Multiple CB's							
OR553	CB1571	STM2184	SIDE	0	0.65	NO	0
OR554	CB1579_1483	STM3729	SIDE	0	0.65	NO	0
OR555	CB1580_1581	STM3725	SIDE	0	0.65	NO	0
OR556	CB1482_1578	STM3729	SIDE	0	0.65	NO	0
;Multiple CB's							
OR557	CB1480	STM2045	SIDE	0	0.65	NO	0
OR558	CB822	CB4256	SIDE	0	0.65	NO	0
OR559	CB1471_1566	STM2624	SIDE	0	0.65	NO	0
;Multiple CB's							
OR56	CB4225_67	STM1116	SIDE	0.266	0.65	NO	0
;Multiple CB's							
OR560	J74	STM4221	SIDE	0	0.65	NO	0
OR561	CB694_693	STM4221	SIDE	0	0.65	NO	0
OR562	CB549_695	STM4220	SIDE	0	0.65	NO	0
OR563	CB550_696	STM3103	SIDE	0	0.65	NO	0
OR564	CB551_552	STM4220	SIDE	0	0.65	NO	0
;Multiple CB's							
OR565	J73	STM1826	SIDE	0	0.65	NO	0
OR566	CB2	J703	SIDE	0.402	0.65	NO	0
OR567	CB3388_3382	STM4953	SIDE	0	0.65	NO	0
OR568	CB3387_3383	STM4948	SIDE	0	0.65	NO	0
OR569	CB3386_3384	STM4948	SIDE	0	0.65	NO	0
;continuous grade							
OR57	CB9_4234	STM1285	SIDE	0	0.65	NO	0
OR570	CB3439	STM4941	SIDE	0	0.65	NO	0
OR571	CB4514	STM3603	SIDE	0	0.65	NO	0
OR572	CB4515	J634	SIDE	0	0.65	NO	0
OR573	CB4460	J58127	SIDE	0	0.65	NO	0
OR574	CB940_939	J58128	SIDE	0	0.65	NO	0
OR575	CB4459_4458	J13	SIDE	0	0.65	NO	0
OR576	CB4457_4456	J58126	SIDE	0	0.65	NO	0
OR577	CB4456_4454	J268	SIDE	0	0.65	NO	0
OR578	CB4453_4452	J58124	SIDE	0	0.65	NO	0
OR579	CB4451_4548	J58125	SIDE	0	0.65	NO	0
OR58	CB53_52	STM1279	SIDE	0	0.65	NO	0
OR580	CB4547_4546	J14	SIDE	0	0.65	NO	0
;continuous grade							
OR581	CB4519_930	STM3604	SIDE	0	0.65	NO	0
;continuous grade							
OR582	CB4275_938	J58129	SIDE	0	0.65	NO	0
;continuous grade							
OR583	CB4518	STM3605	SIDE	0	0.65	NO	0
OR584	CB4324_4325	J265	SIDE	0	0.65	NO	0
OR585	CB951_935	STM3611	SIDE	0	0.65	NO	0
OR586	CB4514	STM3603	SIDE	0	0.65	NO	0
OR587	J642	J371	SIDE	0.3	0.65	NO	0
OR588	CB4460	J58127	SIDE	0	0.65	NO	0
OR589	CB940_939	J58128	SIDE	0	0.65	NO	0
OR59	CB54_55	STM1280	SIDE	0	0.65	NO	0
OR590	CB4459_4458	J13	SIDE	0	0.65	NO	0
OR591	CB4457_4456	J58126	SIDE	0	0.65	NO	0
OR592	CB4456_4454	J268	SIDE	0	0.65	NO	0
OR593	CB4453_4452	J58124	SIDE	0	0.65	NO	0
OR594	CB4451_4548	J58125	SIDE	0	0.65	NO	0
OR595	CB4547_4546	J14	SIDE	0	0.65	NO	0
;continuous grade							
OR596	CB4519_930	STM3604	SIDE	0	0.65	NO	0
;continuous grade							

OR597	CB4275_938	J58129	SIDE	0	0.65	NO	0
;continuous grade							
OR598	CB4518	STM3605	SIDE	0	0.65	NO	0
OR599	CB951_935	STM3611	SIDE	0	0.65	NO	0
OR6	CB2016_1950	STM2796	SIDE	0	0.65	NO	0
OR60	CB10_56	STM1322	SIDE	0	0.65	NO	0
OR600	CB4324_4325	J265	SIDE	0	0.65	NO	0
OR601	CB1275_4323	STM3613	SIDE	0	0.65	NO	0
OR602	CB1275_4323	STM3613	SIDE	0	0.65	NO	0
OR603	CB952	STM992	SIDE	0	0.65	NO	0
OR604	CB952	STM992	SIDE	0	0.65	NO	0
OR605	CB1766	STM992	SIDE	0	0.65	NO	0
OR606	CB1766	STM992	SIDE	0	0.65	NO	0
OR607	CB4338	STM993	SIDE	0	0.65	NO	0
OR608	CB4338	STM993	SIDE	0	0.65	NO	0
OR609	CB947_4339	STM993	SIDE	0	0.65	NO	0
OR61	CB581_582	J15	SIDE	0	0.65	NO	0
OR610	CB947_4339	STM993	SIDE	0	0.65	NO	0
OR611	CB946_4340	STM986	SIDE	0	0.65	NO	0
OR612	CB946_4340	STM986	SIDE	0	0.65	NO	0
OR613	CB1896	STM987	SIDE	0	0.65	NO	0
OR614	CB1896	STM987	SIDE	0	0.65	NO	0
OR615	CB945_928	STM987	SIDE	0	0.65	NO	0
OR616	CB945_928	STM987	SIDE	0	0.65	NO	0
OR617	CB943_944	STM6125	SIDE	0	0.65	NO	0
OR618	CB943_944	STM6125	SIDE	0	0.65	NO	0
OR619	CB934_942	STM6125	SIDE	0	0.65	NO	0
OR62	CB26	J20	SIDE	0	0.65	NO	0
OR620	CB934_942	STM6125	SIDE	0	0.65	NO	0
OR621	J75	STM3007	SIDE	0	0.65	NO	0
OR622	CB1968	STM2980	SIDE	0	0.65	NO	0
OR623	J76	STM2980	SIDE	0	0.65	NO	0
OR624	J77	STM7177	SIDE	0	0.65	NO	0
OR625	J184	STM7177	SIDE	0	0.65	NO	0
OR626	CB5413	STM3311	SIDE	0	0.65	NO	0
OR627	J131	STM4722	SIDE	0	0.65	NO	0
OR628	CB4309	STM3660	SIDE	0.308	0.65	NO	0
OR629	J130	STM4737	SIDE	0.173	0.65	NO	0
OR63	CB586_590	J403	SIDE	0	0.65	NO	0
OR630	J132	STM4672	SIDE	0.384	0.65	NO	0
OR631	J133	STM4672	SIDE	0	0.65	NO	0
OR632	J134	STM5194	SIDE	0	0.65	NO	0
OR633	J135	STM5195	SIDE	0.016	0.65	NO	0
;continuous grade							
OR634	CB3095_2836	STM5195	SIDE	0.019	0.65	NO	0
;continuous grade							
OR635	CB2837_2838	STM4755	SIDE	0	0.65	NO	0
OR636	J150	STM4469	SIDE	0	0.65	NO	0
OR637	J147	STM3881	SIDE	0	0.65	NO	0
OR638	J168	J167	SIDE	0	0.65	NO	0
OR639	J169	J167	SIDE	0	0.65	NO	0
OR64	CB586_590	J403	SIDE	0	0.65	NO	0
OR641	CB_LAC1	J495	SIDE	0	0.65	NO	0
OR642	J172	STM3876	SIDE	0	0.65	NO	0
OR644	J172	STM3876	SIDE	0	0.65	NO	0
OR645	J172	STM3877	SIDE	0	0.65	NO	0
OR646	J172	STM3877	SIDE	0	0.65	NO	0
OR647	J171	STM3871	SIDE	0	0.65	NO	0
OR648	J171	STM3876	SIDE	0	0.65	NO	0
OR649	J171	STM3876	SIDE	0	0.65	NO	0
OR65	CB585_395	STM34	SIDE	0	0.65	NO	0
OR650	J171	STM3876	SIDE	0	0.65	NO	0
OR651	CB2710_2764	STM3855	SIDE	0	0.65	NO	0
OR652	CB_L2	J692	SIDE	0.153	0.65	NO	0

OR653	J129	STM3468	SIDE	0	0.65	NO	0
OR654	CB2038_2125	STM4268	SIDE	0	0.65	NO	0
OR655	CB2037_2124	STM4270	SIDE	0.048	0.65	NO	0
OR656	J101	STM4270	SIDE	0	0.65	NO	0
OR657	CB2039_2040	STM7180	SIDE	0	0.65	NO	0
OR658	CB2039_2040	STM7180	SIDE	0	0.65	NO	0
OR659	J100	STM7179	SIDE	0	0.65	NO	0
OR66	CB585_395	STM34	SIDE	0	0.65	NO	0
OR660	J100	STM7179	SIDE	0	0.65	NO	0
OR661	CB2180	STM3481	SIDE	0	0.65	NO	0
OR662	J112	STM3483	SIDE	0	0.65	NO	0
OR663	CB2089_2179	STM7184	SIDE	0	0.65	NO	0
OR664	CB2130_2045	STM1791	SIDE	0	0.65	NO	0
OR665	CB2130_2045	STM1791	SIDE	0	0.65	NO	0
OR666	CB2046_2047	STM2892	SIDE	0	0.65	NO	0
OR667	CB2046_2047	STM1791	SIDE	0	0.65	NO	0
OR668	CB2046_2047	STM1791	SIDE	0	0.65	NO	0
OR669	CB2046_2047	STM2892	SIDE	0	0.65	NO	0
;Multiple CB's							
OR67	CB22_74	STM1088	SIDE	0	0.65	NO	0
OR670	CB2137	STM1802	SIDE	0	0.65	NO	0
OR671	CB2137	STM1802	SIDE	0	0.65	NO	0
OR672	CB5421_5420	STM1800	SIDE	0	0.65	NO	0
OR673	CB5421_5420	STM1800	SIDE	0	0.65	NO	0
OR674	CB5419_5418	STM1800	SIDE	0	0.65	NO	0
OR675	CB5419_5418	STM1800	SIDE	0	0.65	NO	0
OR676	CB5368	STM2892	SIDE	0	0.65	NO	0
OR677	CB5368	STM2892	SIDE	0	0.65	NO	0
OR678	J102	J97	SIDE	0	0.65	NO	0
;continuous grade							
OR679	J177	J97	SIDE	0	0.65	NO	0
OR68	CB583_388	STM145	SIDE	0	0.65	NO	0
;continuous grade							
OR680	J117	J97	SIDE	0	0.65	NO	0
;continuous grade							
OR681	J178	J97	SIDE	0	0.65	NO	0
OR682	J107	STM1799	SIDE	0	0.65	NO	0
OR683	J102	J97	SIDE	0	0.65	NO	0
;continuous grade							
OR684	J175	J97	SIDE	0	0.65	NO	0
OR685	CB2138	STM2892	SIDE	0	0.65	NO	0
OR686	CB2138	STM2892	SIDE	0	0.65	NO	0
OR687	J107	STM1799	SIDE	0	0.65	NO	0
OR688	J98	J99	SIDE	0	0.65	NO	0
OR689	J98	J99	SIDE	0	0.65	NO	0
OR69	CB583_388	STM145	SIDE	0	0.65	NO	0
OR690	J196	J99	SIDE	0	0.65	NO	0
OR691	J195	J99	SIDE	0	0.65	NO	0
;continuous grade							
OR692	J707	J99	SIDE	0	0.65	NO	0
;continuous grade							
OR693	J708	J712	SIDE	0	0.65	NO	0
;continuous grade							
OR694	J103	STM1799	SIDE	0	0.65	NO	0
;continuous grade							
OR695	J103	STM1799	SIDE	0	0.65	NO	0
OR696	J104	J714	SIDE	0	0.65	NO	0
OR697	J200	STM3341	SIDE	0	0.65	NO	0
OR698	J201	J702	SIDE	0.265	0.65	NO	0
;continuous grade							
OR699	J176	J97	SIDE	0	0.65	NO	0
OR7	GAOP	STM3757	SIDE	0	0.65	NO	0
OR70	CB581_582	J15	SIDE	0	0.65	NO	0
OR700	J194	STM1802	SIDE	0	0.65	NO	0

OR701	J180	STM2892	SIDE	0	0.65	NO	0
OR702	J181	STM1800	SIDE	0	0.65	NO	0
OR703	J182	STM1802	SIDE	0	0.65	NO	0
;continuous grade							
OR704	J87	STM3660	SIDE	0	0.65	NO	0
;continuous grade							
OR705	J86	STM3660	SIDE	0	0.65	NO	0
;continuous grade							
OR706	J83	STM3660	SIDE	0	0.65	NO	0
;continuous grade							
OR707	J82	STM3660	SIDE	0	0.65	NO	0
OR708	J80	STM3660	SIDE	0.185	0.65	NO	0
;continuous grade							
OR709	J79	STM3660	SIDE	0	0.65	NO	0
OR71	CB580	STM318	SIDE	0	0.65	NO	0
;continuous grade							
OR710	J78	STM3660	SIDE	0	0.65	NO	0
;continuous grade							
OR711	CB2170	STM3660	SIDE	0	0.65	NO	0
;continuous grade							
OR712	CB2090	STM3660	SIDE	0	0.65	NO	0
;continuous grade							
OR713	CB2171	STM3660	SIDE	0	0.65	NO	0
;continuous grade							
OR714	CB4305	STM3660	SIDE	0	0.65	NO	0
;continuous grade							
OR715	CB4337	STM3661	SIDE	0	0.65	NO	0
;continuous grade							
OR716	CB4336	STM3661	SIDE	0	0.65	NO	0
;continuous grade							
OR717	CB4335	STM3661	SIDE	0	0.65	NO	0
OR718	CB4334	STM3661	SIDE	0	0.65	NO	0
;continuous grade							
OR719	CB2082	STM2937	SIDE	0	0.65	NO	0
OR72	CB580	STM318	SIDE	0	0.65	NO	0
;continuous grade							
OR720	CB4332	STM2937	SIDE	0	0.65	NO	0
;continuous grade							
OR721	CB4333	STM2937	SIDE	0	0.65	NO	0
OR722	CB2081	STM2937	SIDE	0	0.65	NO	0
;continuous grade							
OR723	CB2079	STM2937	SIDE	0	0.65	NO	0
;continuous grade							
OR724	CB2080	STM2937	SIDE	0	0.65	NO	0
;continuous grade							
OR725	CB4331	STM2916	SIDE	0	0.65	NO	0
;continuous grade							
OR726	CB4330	STM2916	SIDE	0	0.65	NO	0
;continuous grade							
OR727	CB4328	STM2937	SIDE	0	0.65	NO	0
OR728	CB4329	STM2916	SIDE	0	0.65	NO	0
;continuous grade							
OR729	CB2168	STM2916	SIDE	0	0.65	NO	0
;Multiple CB's							
OR73	CB60_61	STM1559	SIDE	0	0.65	NO	0
OR730	CB4311	STM2916	SIDE	0	0.65	NO	0
;continuous grade							
OR731	CB2078	STM2916	SIDE	0	0.65	NO	0
;continuous grade							
OR732	CB2077	STM2912	SIDE	0	0.65	NO	0
OR733	CB2076	STM2912	SIDE	0	0.65	NO	0
;continuous grade							
OR734	CB4310	STM2912	SIDE	0	0.65	NO	0
OR735	CB2075_4327	STM2908	SIDE	0	0.65	NO	0

OR736	J183	STM2916	SIDE	0	0.65	NO	0
OR737	J185	STM7183	SIDE	0	0.65	NO	0
OR738	J186	STM7180	SIDE	0	0.65	NO	0
OR739	J188	STM7179	SIDE	0	0.65	NO	0
OR74	CB48	STM922	SIDE	0.226	0.65	NO	0
OR740	J187	STM7179	SIDE	0	0.65	NO	0
OR741	J189	STM3312	SIDE	0	0.65	NO	0
OR742	CB2043_2128	STM7184	SIDE	0	0.65	NO	0
OR743	J190	STM7184	SIDE	0	0.65	NO	0
OR744	J191	STM1791	SIDE	0	0.65	NO	0
;continuous grade							
OR745	J192	STM1791	SIDE	0	0.65	NO	0
;continuous grade							
OR746	J193	STM1791	SIDE	0	0.65	NO	0
OR747	J179	STM1802	SIDE	0	0.65	NO	0
OR748	J182	STM1802	SIDE	0	0.65	NO	0
OR749	J197	J99	SIDE	0	0.65	NO	0
OR75	CB345_146	STM2376	SIDE	0	0.65	NO	0
;continuous grade							
OR750	J709	J713	SIDE	0	0.65	NO	0
OR751	J106	STM3351	SIDE	0	0.65	NO	0
OR752	J198	STM2333	SIDE	0	0.65	NO	0
OR753	J198	STM2333	SIDE	0	0.65	NO	0
OR754	J199	STM2333	SIDE	0	0.65	NO	0
OR755	J199	STM2333	SIDE	0	0.65	NO	0
OR756	J105	STM2342	SIDE	0	0.65	NO	0
OR757	J105	STM2342	SIDE	0	0.65	NO	0
OR758	J202	STM3351	SIDE	0	0.65	NO	0
OR759	CB2038_2125	STM4268	SIDE	0	0.65	NO	0
OR76	CB346_147	STM925	SIDE	0	0.65	NO	0
OR760	J203	STM909	SIDE	0	0.65	NO	0
OR761	J208	STM909	SIDE	0	0.65	NO	0
OR762	J204	STM908	SIDE	0	0.65	NO	0
OR763	J205	STM896	SIDE	0	0.65	NO	0
OR764	J209	STM903	SIDE	0	0.65	NO	0
OR765	J206	STM896	SIDE	0	0.65	NO	0
OR766	J207	STM896	SIDE	0	0.65	NO	0
OR767	J211	STM3265	SIDE	0	0.65	NO	0
OR768	J36	J483	SIDE	0	0.65	NO	0
OR769	J125	J218	SIDE	0	0.65	NO	0
OR77	CB347_148	STM930	SIDE	0	0.65	NO	0
OR770	J126	J124	SIDE	0.009	0.65	NO	0
OR771	J212	J704	SIDE	0	0.65	NO	0
OR772	J214	STM3265	SIDE	0	0.65	NO	0
OR773	CB1939_2004	STM3274	SIDE	0	0.65	NO	0
OR774	CB1941_1940	STM3277	SIDE	0	0.65	NO	0
OR775	CB1941_1940	STM3277	SIDE	0	0.65	NO	0
OR776	CB2007_2008	STM3273	SIDE	0	0.65	NO	0
OR777	CB2007_2008	STM3273	SIDE	0	0.65	NO	0
OR778	CB4259_1943	STM2770	SIDE	0	0.65	NO	0
OR779	CB2011_1945	STM2777	SIDE	0	0.65	NO	0
OR78	STM298	J17	SIDE	0	0.65	NO	0
OR780	CB2013_1947	STM2776	SIDE	0	0.65	NO	0
;continuous grade							
OR781	CB2009_1942	STM2770	SIDE	0	0.65	NO	0
;continuous grade							
OR782	CB2010_1944	STM2777	SIDE	0	0.65	NO	0
OR783	CB2012_1946	STM2776	SIDE	0	0.65	NO	0
OR784	CB2005_2006	STM3273	SIDE	0	0.65	NO	0
OR785	CB2005_2006	STM3273	SIDE	0	0.65	NO	0
OR786	CB2014_1948	STM2784	SIDE	0	0.65	NO	0
OR787	CB2015_1949	STM2796	SIDE	0	0.65	NO	0
OR788	CB2017_1951	STM2796	SIDE	0	0.65	NO	0
OR789	J91	STM3314	SIDE	0	0.65	NO	0

OR79	CB577_384	STM322	SIDE	0	0.65	NO	0
OR790	J216	J217	SIDE	0	0.65	NO	0
OR791	CB2029_1958	J217	SIDE	0	0.65	NO	0
OR792	CB2030_1959	J217	SIDE	0	0.65	NO	0
OR793	CB2031_1960	STM3497	SIDE	0	0.65	NO	0
OR794	J90	STM3319	SIDE	0	0.65	NO	0
OR795	J94	STM3319	SIDE	0	0.65	NO	0
OR796	CB2088_2178	STM3319	SIDE	0	0.65	NO	0
OR797	CB2088_2178	J90	SIDE	0.054	0.65	NO	0
OR798	J94	STM3319	SIDE	0	0.65	NO	0
OR799	J110	STM2907	SIDE	0	0.65	NO	0
OR8	J693	STM2963	SIDE	0	0.65	NO	0
OR80	CB577_384	STM322	SIDE	0	0.65	NO	0
OR800	J108	STM1799	SIDE	0	0.65	NO	0
OR801	J109	STM2909	SIDE	0	0.65	NO	0
OR802	J111	STM3542	SIDE	0	0.65	NO	0
OR803	J113	STM3543	SIDE	0	0.65	NO	0
OR804	J114	STM2772	SIDE	0	0.65	NO	0
OR805	J115	STM2772	SIDE	0	0.65	NO	0
OR806	J116	STM2772	SIDE	0	0.65	NO	0
OR807	J220	J219	SIDE	0	0.65	NO	0
OR808	J118	MHRV1	SIDE	0	0.65	NO	0
OR809	J121	MHRV3	SIDE	0	0.65	NO	0
OR81	CB343_144	STM2641	SIDE	0	0.65	NO	0
OR810	J119	MHRV2	SIDE	0	0.65	NO	0
OR811	CB2478_2431	STM3780	SIDE	0	0.65	NO	0
OR812	J120	MHRV3	SIDE	0	0.65	NO	0
OR813	CB2395_2280	STM3781	SIDE	0	0.65	NO	0
OR814	CB2396_2281	STM3237	SIDE	0	0.65	NO	0
OR815	CB2397_2282	STM3224	SIDE	0	0.65	NO	0
OR816	CB2430_2311	STM3236	SIDE	0	0.65	NO	0
OR817	CB2401_2287	STM3241	SIDE	0	0.65	NO	0
OR818	CB2288_2402	STM3241	SIDE	0	0.65	NO	0
OR819	J221	STM3224	SIDE	0	0.65	NO	0
OR82	CB344_145	STM2645	SIDE	0	0.65	NO	0
OR820	J222	STM3224	SIDE	0	0.65	NO	0
OR821	J223	STM3241	SIDE	0	0.65	NO	0
OR822	J225	STM3242	SIDE	0	0.65	NO	0
OR823	J224	STM3242	SIDE	0	0.65	NO	0
OR824	J226	STM3242	SIDE	0	0.65	NO	0
OR825	J227	STM3400	SIDE	0	0.65	NO	0
OR826	J228	STM3248	SIDE	0	0.65	NO	0
OR827	J229	STM3248	SIDE	0	0.65	NO	0
OR828	J230	STM3248	SIDE	0	0.65	NO	0
OR829	J231	STM3248	SIDE	0	0.65	NO	0
OR83	CB341_342	STM2370	SIDE	0	0.65	NO	0
OR830	CB2306_2423	STM3249	SIDE	0	0.65	NO	0
OR831	CB2298	STM3249	SIDE	0	0.65	NO	0
OR832	CB2411_2297	STM3750	SIDE	0	0.65	NO	0
OR833	CB2296_2410	STM3748	SIDE	0	0.65	NO	0
OR834	CB2409_2295	STM3749	SIDE	0	0.65	NO	0
OR835	CB2306_2423	STM3249	SIDE	0	0.65	NO	0
OR836	J232	STM3757	SIDE	0	0.65	NO	0
OR837	J234	STM3964	SIDE	0	0.65	NO	0
OR838	J233	STM2962	SIDE	0	0.65	NO	0
OR839	J236	MHG1	SIDE	0.306	0.65	NO	0
OR84	CB340_141	STM2369	SIDE	0	0.65	NO	0
OR840	J235	MHSM1	SIDE	0	0.65	NO	0
OR841	J237	MHSM1	SIDE	0	0.65	NO	0
OR842	J237	MHSM1	SIDE	0	0.65	NO	0
OR843	CB32	STM3967	SIDE	0	0.65	NO	0
OR844	CB32	STM3967	SIDE	0	0.65	NO	0
OR845	CB2475_2474	STM3968	SIDE	0	0.65	NO	0
OR846	CB2475_2474	STM3968	SIDE	0	0.65	NO	0

OR847	CB33	STM3966	SIDE	0	0.65	NO	0
OR848	CB33	STM3966	SIDE	0	0.65	NO	0
OR849	CB2491_2451	STM3465	SIDE	0	0.65	NO	0
OR85	CB140	STM2653	SIDE	0	0.65	NO	0
OR850	CB2452	STM3461	SIDE	0	0.65	NO	0
OR851	CB2492	STM3465	SIDE	0	0.65	NO	0
OR852	CB2493_2453	STM3461	SIDE	0	0.65	NO	0
OR853	CB36	STM4059	SIDE	0	0.65	NO	0
OR854	CB35	STM4447	SIDE	0	0.65	NO	0
OR855	CB35	STM4446	SIDE	0	0.65	NO	0
OR856	CB34	STM4452	SIDE	0	0.65	NO	0
OR857	CB34	STM4452	SIDE	0	0.65	NO	0
OR858	CB2505	STM4453	SIDE	0	0.65	NO	0
OR859	CB2505	STM4453	SIDE	0	0.65	NO	0
OR86	CB138_139	STM2653	SIDE	0	0.65	NO	0
OR860	CB39	STM4453	SIDE	0	0.65	NO	0
OR861	CB39	STM4453	SIDE	0	0.65	NO	0
OR862	CB38	STM4047	SIDE	0	0.65	NO	0
OR863	CB38	STM4047	SIDE	0	0.65	NO	0
OR864	J319	STM7020	SIDE	0	0.65	NO	0
;continuous grade							
OR865	CB9595	J92	SIDE	0	0.65	NO	0
OR866	J239	STM4962	SIDE	0	0.65	NO	0
OR867	J239	STM4963	SIDE	0	0.65	NO	0
OR868	J240	STM4962	SIDE	0	0.65	NO	0
OR869	J240	STM4963	SIDE	0	0.65	NO	0
OR87	CB328_124	STM3802	SIDE	0	0.65	NO	0
OR870	J241	J58122	SIDE	0	0.65	NO	0
;CONTINUOUS GRADE							
OR871	J244	CCMH_2B	SIDE	0.194	0.65	NO	0
;CONTINUOUS GRADE							
OR872	J244	CCMH_2B	SIDE	0.194	0.65	NO	0
;CONTINUOUS GRADE							
OR873	J243	CC_MH2	SIDE	0.199	0.65	NO	0
;CONTINUOUS GRADE							
OR874	J243	CC_MH2	SIDE	0.199	0.65	NO	0
OR875	J242	CC_MH1	SIDE	0	0.65	NO	0
OR876	J242	CC_MH1	SIDE	0	0.65	NO	0
OR877	J245	CC_MH3	SIDE	0.078	0.65	NO	0
OR878	J245	CC_MH3	SIDE	0.078	0.65	NO	0
OR879	J246	STM1901	SIDE	0	0.65	NO	0
OR88	CB329_125	STM3802	SIDE	0	0.65	NO	0
OR880	J248	STM2978	SIDE	0	0.65	NO	0
OR881	J248	STM2978	SIDE	0	0.65	NO	0
OR882	J249	J247	SIDE	0	0.65	NO	0
OR883	J251	STM2978	SIDE	0	0.65	NO	0
OR884	J251	STM2978	SIDE	0	0.65	NO	0
OR885	J250	J247	SIDE	0	0.65	NO	0
OR886	J250	J247	SIDE	0	0.65	NO	0
OR887	J256	STM7275	SIDE	0	0.65	NO	0
OR888	J255	STM7278	SIDE	0	0.65	NO	0
OR889	J252	STM7278	SIDE	0.099	0.65	NO	0
OR89	CB330_126	STM893	SIDE	0	0.65	NO	0
OR890	J253	STM7278	SIDE	0	0.65	NO	0
OR891	J254	STM7278	SIDE	0	0.65	NO	0
OR892	J259	STM7276	SIDE	0	0.65	NO	0
OR893	J258	STM7276	SIDE	0	0.65	NO	0
OR894	J257	STM7277	SIDE	0	0.65	NO	0
OR895	J260	STM7271	SIDE	0	0.65	NO	0
OR896	J261	STM7267	SIDE	0	0.65	NO	0
OR897	J262	STM7267	SIDE	0	0.65	NO	0
OR898	J262	STM7267	SIDE	0	0.65	NO	0
OR899	J260	STM7271	SIDE	0	0.65	NO	0
OR9	COMM_CB	J633	SIDE	0.4	0.65	NO	0

OR90	CB331_332_127_128	STM1853	SIDE	0	0.65	NO	0
OR900	J263	J8	SIDE	0	0.65	NO	0
OR901	CB_COMM2	STM3613	SIDE	0	0.65	NO	0
OR902	J267	J268	SIDE	0	0.65	NO	0
OR903	J279	J269	SIDE	0.31	0.65	NO	0
OR904	J280	J270	SIDE	0	0.65	NO	0
OR905	J278	J273	SIDE	0.121	0.65	NO	0
OR906	J277	J272	SIDE	0.134	0.65	NO	0
OR907	J276	J271	SIDE	0.235	0.65	NO	0
OR908	J282	J274	SIDE	0.581	0.65	NO	0
OR909	J275	J285	SIDE	0.525	0.65	NO	0
OR91	CB130_129	STM88	SIDE	0	0.65	NO	0
OR910	J284	J271	SIDE	0.062	0.65	NO	0
OR911	J283	J270	SIDE	0.068	0.65	NO	0
OR912	J286	STM4695	SIDE	0	0.65	NO	0
OR913	J29	STM4755	SIDE	0	0.65	NO	0
OR914	J324	J321	SIDE	0	0.65	NO	0
OR915	J174	STM3871	SIDE	0	0.65	NO	0
OR916	J289	J338	SIDE	0	0.65	NO	0
OR917	J324	J321	SIDE	0	0.65	NO	0
OR918	J290	STM431	SIDE	0	0.65	NO	0
;continuous grade							
OR919	J293	STM854	SIDE	0	0.65	NO	0
OR92	CB568_375	J4	SIDE	0	0.65	NO	0
;continuous grade							
OR920	J293	STM854	SIDE	0	0.65	NO	0
;continuous grade							
OR921	J294	STM1375	SIDE	0	0.65	NO	0
;continuous grade							
OR922	J294	STM1375	SIDE	0	0.65	NO	0
;continuous grade							
OR923	CB1822_1823	STM1661	SIDE	0	0.65	NO	0
OR924	J295	STM2079	SIDE	0	0.65	NO	0
OR925	J295	STM2079	SIDE	0	0.65	NO	0
;continuous grade							
OR926	J296	STM1399	SIDE	0	0.65	NO	0
;continuous grade							
OR927	J296	STM1399	SIDE	0	0.65	NO	0
OR928	J297	STM2079	SIDE	0	0.65	NO	0
;continuous grade							
OR929	J302	J299	SIDE	0	0.65	NO	0
OR93	CB568_375	J4	SIDE	0	0.65	NO	0
;continuous grade							
OR930	J302	J299	SIDE	0	0.65	NO	0
OR931	J303	J300	SIDE	0	0.65	NO	0
OR932	J303	J300	SIDE	0	0.65	NO	0
OR933	J301	STM1189	SIDE	0	0.65	NO	0
OR934	J301	STM1189	SIDE	0	0.65	NO	0
OR935	J298	STM1606	SIDE	0	0.65	NO	0
OR936	J298	STM1606	SIDE	0	0.65	NO	0
;continuous grade							
OR937	J304	J697	SIDE	0.026	0.65	NO	0
;continuous grade							
OR938	J304	J697	SIDE	0.026	0.65	NO	0
OR939	J305	STM1172	SIDE	0	0.65	NO	0
OR94	CB178_108	STM1339	SIDE	0	0.65	NO	0
OR940	J305	STM1172	SIDE	0	0.65	NO	0
OR941	J325	J321	SIDE	0	0.65	NO	0
OR942	J325	J321	SIDE	0	0.65	NO	0
OR943	J326	J320	SIDE	0	0.65	NO	0
OR944	J326	J320	SIDE	0	0.65	NO	0
OR945	J327	J320	SIDE	0	0.65	NO	0
OR946	J327	J320	SIDE	0	0.65	NO	0
OR947	J330	J323	SIDE	0	0.65	NO	0

OR948	J330	J323	SIDE	0	0.65	NO	0
OR949	J329	J323	SIDE	0	0.65	NO	0
OR95	CB177_107	STM1870	SIDE	0	0.65	NO	0
OR950	J329	J323	SIDE	0	0.65	NO	0
OR951	J328	J322	SIDE	0	0.65	NO	0
OR952	J328	J322	SIDE	0	0.65	NO	0
OR953	J334	STM3063	SIDE	0.308	0.65	NO	0
OR954	J334	STM3063	SIDE	0.308	0.65	NO	0
OR955	J335	STM2243	SIDE	0.17	0.65	NO	0
OR956	J335	STM2243	SIDE	0.17	0.65	NO	0
OR957	J336	STM2249	SIDE	0.342	0.65	NO	0
OR958	J336	STM2249	SIDE	0.342	0.65	NO	0
OR959	J333	STM2254	SIDE	0.394	0.65	NO	0
OR96	TICB122_123_326_327	STM2467	SIDE	0	0.65	NO	0
OR960	J333	STM2254	SIDE	0.394	0.65	NO	0
OR961	J331	STM3073	SIDE	0.199	0.65	NO	0
OR962	J332	STM3073	SIDE	0.255	0.65	NO	0
OR963	J337	J338	SIDE	0	0.65	NO	0
OR964	J341	STM432	SIDE	0	0.65	NO	0
;continuous grade							
OR965	J345	STM7321	SIDE	0	0.65	NO	0
;continuous grade							
OR966	J345	STM7321	SIDE	0	0.65	NO	0
OR967	J339	STM7322	SIDE	0	0.65	NO	0
OR968	J346	J350	SIDE	0	0.65	NO	0
OR969	J342	J350	SIDE	0	0.65	NO	0
OR97	CB113_114	STM1878	SIDE	0	0.65	NO	0
OR970	J344	STM6246	SIDE	0	0.65	NO	0
OR971	J344	STM6246	SIDE	0	0.65	NO	0
OR972	J347	J351	SIDE	0	0.65	NO	0
OR973	J348	STM6251	SIDE	0	0.65	NO	0
OR974	J340	J349	SIDE	0	0.65	NO	0
OR975	J359	J352	SIDE	0	0.65	NO	0
OR976	J359	J352	SIDE	0	0.65	NO	0
OR977	J354	J352	SIDE	0	0.65	NO	0
OR978	J354	J352	SIDE	0	0.65	NO	0
OR979	J356	J353	SIDE	0	0.65	NO	0
OR98	CB115_317	STM1880	SIDE	0	0.65	NO	0
OR980	J357	J353	SIDE	0	0.65	NO	0
OR981	J358	J353	SIDE	0	0.65	NO	0
OR982	J360	STM1806	SIDE	0	0.65	NO	0
OR983	J360	STM1806	SIDE	0	0.65	NO	0
OR984	J361	STM1806	SIDE	0	0.65	NO	0
OR985	J361	STM1806	SIDE	0	0.65	NO	0
OR986	J362	STM262	SIDE	0	0.65	NO	0
OR987	J362	STM262	SIDE	0	0.65	NO	0
;continuous grade							
OR988	J355	J363	SIDE	0	0.65	NO	0
;continuous grade							
OR989	J355	J363	SIDE	0	0.65	NO	0
OR99	CB116_318	STM1880	SIDE	0	0.65	NO	0
OR990	J356	J353	SIDE	0	0.65	NO	0
OR991	J368	J365	SIDE	0	0.65	NO	0
OR992	J367	J365	SIDE	0	0.65	NO	0
OR993	J366	J364	SIDE	0	0.65	NO	0
OR994	J369	STM262	SIDE	0	0.65	NO	0
OR995	J372	STM257	SIDE	0	0.65	NO	0
OR997	J16	J45	SIDE	0	0.65	NO	0
OR998	J3	J48	SIDE	0	0.65	NO	0
OR999	J3	J48	SIDE	0	0.65	NO	0
;ICD CONFIRMED BY TOWN							
ORIFICE_CALV	STM3856.1	STM3856	SIDE	0.316	0.65	NO	0
ORIFICE_CARM	CC_MH4	CC_MH4B	SIDE	0.3	0.65	NO	0
;INVERT OF ICD TAKEN FROM DILLON SURVEY							

ORIFICE_JC	STM3965	STM3465	SIDE	0.174	0.65	NO	0
;ICD CONFIRMED BY TOWN							
ORIFICE_LESS	STM4202.1	STM4202	SIDE	0.325	0.65	NO	0
;TOWN CONFIRMED ORIFICE SIZE							
ORIFICE_PAP	STM82	J7	SIDE	0.282	0.65	NO	0
;250mm orifice CONFIRMED							
ORIFICE_SF	STM1637	STM1637B	SIDE	0.6	0.65	NO	0
ORIFICE_VALENT	STM311	J19	SIDE	2.324	0.65	NO	0
ORIFICE_VG	STM4462	STM3461	SIDE	0	0.65	NO	0
ORIFICE_WESTL	STM3128	STM3129	SIDE	0.3	0.65	NO	0

[WEIRS]

;;	Inlet	Outlet	Weir	Crest	Disch.	Flap	End
;;Name	Node	Node	Type	Height	Coeff.	Gate	Con.
;;	-----	-----	-----	-----	-----	-----	-----
OR2639	BD-4	BD-4B	TRAPEZOIDAL	0.96	1.84	NO	0
OR2646	STM5673	STM5674	TRAPEZOIDAL	1.31	1.84	NO	0
OR2655	STM5679	STM5680	TRAPEZOIDAL	1.11	1.84	NO	0
OR2660	STM5760	STM5761	TRAPEZOIDAL	1.24	1.84	NO	0
W1	STM5675	STM5676	TRAPEZOIDAL	1.35	1.84	NO	0
W10	STM5689	STM5690	TRAPEZOIDAL	1.542	1.84	NO	0
W11	STM5687	STM5688	TRAPEZOIDAL	1.82	1.84	NO	0
W12	STM5685	STM5686	TRAPEZOIDAL	1.8	1.84	NO	0
W13	STM5683	STM5684	TRAPEZOIDAL	1.98	1.84	NO	0
W14	STM5681	STM5682	TRAPEZOIDAL	1.86	1.84	NO	0
W15	STM3151	STM3152	TRAPEZOIDAL	2.25	1.84	NO	0
W16	CULV3	CULV4	TRAPEZOIDAL	2.728	1.84	NO	0
W17	CULV5	CULV6	TRAPEZOIDAL	2.54	1.84	NO	0
W18	CULV7	CULV8	TRAPEZOIDAL	2.34	1.84	NO	0
W19	STM3147	STM3148	TRAPEZOIDAL	2.42	1.84	NO	0
W2	STM1637	STM1637B	TRANSVERSE	1.289	1.84	NO	0
W20	STM3145	STM3146	TRAPEZOIDAL	2.223	1.84	NO	0
W21	STM3143	STM3144	TRAPEZOIDAL	2.38	1.84	NO	0
W22	STM3149	STM3150	TRAPEZOIDAL	2.5	1.84	NO	0
W23	STM973	STM974	TRAPEZOIDAL	2.58	1.84	NO	0
W24	STM971	STM972	TRAPEZOIDAL	2.59	1.84	NO	0
W25	STM969	STM970	TRAPEZOIDAL	2.31	1.84	NO	0
W26	STM967	STM968	TRAPEZOIDAL	2.38	1.84	NO	0
W27	STM3591	STM3592	TRAPEZOIDAL	2.37	1.84	NO	0
W28	STM2411	STM2412	TRAPEZOIDAL	2.3	1.84	NO	0
W29	STM2409	STM2410	TRAPEZOIDAL	2.03	1.84	NO	0
W3	STM5695	STM5696	TRAPEZOIDAL	1.12	1.84	NO	0
W30	STM2407	STM2408	TRAPEZOIDAL	2.291	1.84	NO	0
W31	STM2405	STM2406	TRAPEZOIDAL	2.291	1.84	NO	0
W32	STM2403	STM2404	TRAPEZOIDAL	2.1	1.84	NO	0
W33	STM2401	STM2402	TRAPEZOIDAL	2	1.84	NO	0
W34	STM2399	STM2400	TRAPEZOIDAL	2.13	1.84	NO	0
W35	STM2397	STM2398	TRAPEZOIDAL	2.13	1.84	NO	0
W36	STM2395	STM2396	TRAPEZOIDAL	2.13	1.84	NO	0
W37	STM2393	STM2394	TRAPEZOIDAL	2.13	1.84	NO	0
W38	STM2391	STM2392	TRAPEZOIDAL	2.13	1.84	NO	0
W39	J39	J40	TRAPEZOIDAL	2.13	1.84	NO	0
W4	STM5693	STM5694	TRAPEZOIDAL	1.48	1.84	NO	0
W40	STM2389	STM2390	TRAPEZOIDAL	2.13	1.84	NO	0
W7	CULV1	CULV2	TRAPEZOIDAL	2.069	1.84	NO	0
W8	STM5691	STM5692	TRAPEZOIDAL	1.62	1.84	NO	0
W9	ESTL_Flume2	Drop_Chamber	TRANSVERSE	1.13	1.84	NO	0

[XSECTIONS]

;;Link	Shape	Geom1	Geom2	Geom3	Geom4	Barrels
;;	-----	-----	-----	-----	-----	-----
1	CIRCULAR	0.9	0	0	0	1
1022	CIRCULAR	0.525	0	0	0	1
1023	CIRCULAR	0.525	0	0	0	1

1027	CIRCULAR	0.9	0	0	0	1
1030	CIRCULAR	0.75	0	0	0	1
1032	CIRCULAR	0.6	0	0	0	1
1037	CIRCULAR	1.2	0	0	0	1
1038	CIRCULAR	1.05	0	0	0	1
1069	CIRCULAR	0.75	0	0	0	1
1073	CIRCULAR	0.675	0	0	0	1

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Too many conduit entities (179382 in total).

2044_1	CIRCULAR	0.168	0	0	0
C187_1	CIRCULAR	0.21	0	0	0
C198	CIRCULAR	0.2	0	0	0
C272	CIRCULAR	0.2	0	0	0
CIP02	CIRCULAR	0.15	0	0	0
CIP03	CIRCULAR	0.15	0	0	0
CIP04	CIRCULAR	0.15	0	0	0
CIP05	CIRCULAR	0.15	0	0	0
CIP06	CIRCULAR	0.15	0	0	0
CIP07	CIRCULAR	0.15	0	0	0
CIP08	CIRCULAR	0.15	0	0	0
CIP09	CIRCULAR	0.15	0	0	0
CIP10	CIRCULAR	0.15	0	0	0
CIP11	CIRCULAR	0.15	0	0	0
CIP12	CIRCULAR	0.15	0	0	0
CIP13	CIRCULAR	0.15	0	0	0
CIP14	CIRCULAR	0.15	0	0	0
CIP15	CIRCULAR	0.15	0	0	0
CIP16	CIRCULAR	0.15	0	0	0
CIP17	CIRCULAR	0.15	0	0	0
CIP18	CIRCULAR	0.3	0	0	0
CIP19	CIRCULAR	0.15	0	0	0
CIP20	CIRCULAR	0.2	0	0	0
CIP23	CIRCULAR	0.15	0	0	0
CIP26	CIRCULAR	0.2	0	0	0
CIP27	CIRCULAR	0.2	0	0	0
CIP28	CIRCULAR	0.3	0	0	0
CIP29	CIRCULAR	0.15	0	0	0
CIP30	CIRCULAR	0.15	0	0	0
CIP32	CIRCULAR	0.375	0	0	0
CIP33	CIRCULAR	0.6	0	0	0
CIP36	CIRCULAR	0.15	0	0	0
CORON_STM	CIRCULAR	0.15	0	0	0
MASON_STM	CIRCULAR	0.3	0	0	0
MH10-IC	CIRCULAR	0.2	0	0	0
MH11-IC	CIRCULAR	0.2	0	0	0
MH12-IC	CIRCULAR	0.2	0	0	0
MH13-IC	CIRCULAR	0.2	0	0	0
MH14-IC	CIRCULAR	0.2	0	0	0
MH15-IC	CIRCULAR	0.2	0	0	0
MH17-IC	CIRCULAR	0.2	0	0	0
MH18-IC	CIRCULAR	0.2	0	0	0
MH19-IC	CIRCULAR	0.2	0	0	0
MH2-IC	CIRCULAR	0.2	0	0	0
MH4-IC	CIRCULAR	0.2	0	0	0
MH6-IC	CIRCULAR	0.2	0	0	0
MH7-IC	CIRCULAR	0.2	0	0	0
MH8-IC	CIRCULAR	0.2	0	0	0
MH9-IC	CIRCULAR	0.2	0	0	0
OR_Keith	CIRCULAR	0.2	0	0	0
OR1	CIRCULAR	0.1	0	0	0
OR10	CIRCULAR	0.2	0	0	0
OR100	CIRCULAR	0.2	0	0	0
OR1000	CIRCULAR	0.2	0	0	0
OR1001	CIRCULAR	0.2	0	0	0

OR1002	CIRCULAR	0.2	0	0	0
OR1003	CIRCULAR	0.2	0	0	0
OR1004	CIRCULAR	0.2	0	0	0
OR1005	CIRCULAR	0.2	0	0	0
OR1006	CIRCULAR	0.25	0	0	0
OR1007	CIRCULAR	0.25	0	0	0
OR1008	CIRCULAR	0.25	0	0	0
OR1009	CIRCULAR	0.25	0	0	0
OR101	CIRCULAR	0.2	0	0	0
OR1010	CIRCULAR	0.25	0	0	0
OR1011	CIRCULAR	0.2	0	0	0
OR1012	CIRCULAR	0.2	0	0	0
OR1013	CIRCULAR	0.2	0	0	0
OR1014	CIRCULAR	0.2	0	0	0
OR1015	CIRCULAR	0.2	0	0	0
OR1016	CIRCULAR	0.2	0	0	0
OR1017	CIRCULAR	0.25	0	0	0
OR1018	CIRCULAR	0.25	0	0	0
OR1019	CIRCULAR	0.25	0	0	0
OR102	CIRCULAR	0.2	0	0	0
OR1021	CIRCULAR	0.2	0	0	0
OR1022	CIRCULAR	0.2	0	0	0
OR1023	CIRCULAR	0.2	0	0	0
OR1024	CIRCULAR	0.2	0	0	0
OR1025	CIRCULAR	0.2	0	0	0
OR1026	CIRCULAR	0.2	0	0	0
OR1027	CIRCULAR	0.2	0	0	0
OR1028	CIRCULAR	0.2	0	0	0
OR1029	CIRCULAR	0.2	0	0	0
OR103	CIRCULAR	0.2	0	0	0
OR1030	CIRCULAR	0.2	0	0	0
OR1031	CIRCULAR	0.2	0	0	0
OR1032	CIRCULAR	0.2	0	0	0
OR1033	CIRCULAR	0.2	0	0	0
OR1034	CIRCULAR	0.2	0	0	0
OR1035	CIRCULAR	0.2	0	0	0
OR1036	CIRCULAR	0.2	0	0	0
OR1037	CIRCULAR	0.2	0	0	0
OR1038	CIRCULAR	0.2	0	0	0
OR1039	CIRCULAR	0.2	0	0	0
OR104	CIRCULAR	0.2	0	0	0
OR1040	CIRCULAR	0.2	0	0	0
OR1041	CIRCULAR	0.2	0	0	0
OR1042	CIRCULAR	0.2	0	0	0
OR1043	CIRCULAR	0.2	0	0	0
OR1044	CIRCULAR	0.2	0	0	0
OR1045	CIRCULAR	0.2	0	0	0
OR1046	CIRCULAR	0.2	0	0	0
OR1047	CIRCULAR	0.2	0	0	0
OR1048	CIRCULAR	0.2	0	0	0
OR1049	CIRCULAR	0.2	0	0	0
OR105	CIRCULAR	0.2	0	0	0
OR1050	CIRCULAR	0.2	0	0	0
OR1051	CIRCULAR	0.2	0	0	0
OR1052	CIRCULAR	0.2	0	0	0
OR1053	CIRCULAR	0.2	0	0	0
OR1054	CIRCULAR	0.2	0	0	0
OR1055	CIRCULAR	0.2	0	0	0
OR1056	CIRCULAR	0.2	0	0	0
OR1057	CIRCULAR	0.2	0	0	0
OR1058	CIRCULAR	0.2	0	0	0
OR1059	CIRCULAR	0.2	0	0	0
OR106	CIRCULAR	0.2	0	0	0
OR1060	CIRCULAR	0.2	0	0	0

OR1061	CIRCULAR	0.2	0	0	0
OR1062	CIRCULAR	0.2	0	0	0
OR1063	CIRCULAR	0.2	0	0	0
OR1064	CIRCULAR	0.2	0	0	0
OR1065	CIRCULAR	0.2	0	0	0
OR1066	CIRCULAR	0.2	0	0	0
OR1067	CIRCULAR	0.2	0	0	0
OR1068	CIRCULAR	0.2	0	0	0
OR1069	CIRCULAR	0.2	0	0	0
OR107	CIRCULAR	0.2	0	0	0
OR1070	CIRCULAR	0.2	0	0	0
OR1071	CIRCULAR	0.2	0	0	0
OR1072	CIRCULAR	0.2	0	0	0
OR1073	CIRCULAR	0.2	0	0	0
OR1074	CIRCULAR	0.2	0	0	0
OR1075	CIRCULAR	0.2	0	0	0
OR1076	CIRCULAR	0.2	0	0	0
OR1077	CIRCULAR	0.2	0	0	0
OR1078	CIRCULAR	0.2	0	0	0
OR1079	CIRCULAR	0.2	0	0	0
OR108	CIRCULAR	0.2	0	0	0
OR1080	CIRCULAR	0.2	0	0	0
OR1081	CIRCULAR	0.2	0	0	0
OR1082	CIRCULAR	0.15	0	0	0
OR1083	CIRCULAR	0.2	0	0	0
OR1084	CIRCULAR	0.375	0	0	0
OR1085	CIRCULAR	0.2	0	0	0
OR1086	CIRCULAR	0.2	0	0	0
OR1087	CIRCULAR	0.2	0	0	0
OR1088	CIRCULAR	0.2	0	0	0
OR1089	CIRCULAR	0.2	0	0	0
OR109	CIRCULAR	0.2	0	0	0
OR1090	CIRCULAR	0.2	0	0	0
OR1091	CIRCULAR	0.2	0	0	0
OR1092	CIRCULAR	0.2	0	0	0
OR1093	CIRCULAR	0.2	0	0	0
OR1094	CIRCULAR	0.2	0	0	0
OR1095	CIRCULAR	0.2	0	0	0
OR1096	CIRCULAR	0.2	0	0	0
OR1097	CIRCULAR	0.2	0	0	0
OR1098	CIRCULAR	0.2	0	0	0
OR1099	CIRCULAR	0.2	0	0	0
OR11	CIRCULAR	0.3	0	0	0
OR110	CIRCULAR	0.25	0	0	0
OR1100	CIRCULAR	0.2	0	0	0
OR1101	CIRCULAR	0.2	0	0	0
OR1102	CIRCULAR	0.25	0	0	0
OR1103	CIRCULAR	0.2	0	0	0
OR1104	CIRCULAR	0.2	0	0	0
OR1105	CIRCULAR	0.45	0	0	0
OR1106	CIRCULAR	0.45	0	0	0
OR1107	CIRCULAR	0.2	0	0	0
OR1108	CIRCULAR	0.2	0	0	0
OR1109	CIRCULAR	0.2	0	0	0
OR111	CIRCULAR	0.2	0	0	0
OR1110	CIRCULAR	0.2	0	0	0
OR1111	CIRCULAR	0.3	0	0	0
OR1112	CIRCULAR	0.2	0	0	0
OR1113	CIRCULAR	0.2	0	0	0
OR1114	CIRCULAR	0.25	0	0	0
OR1115	CIRCULAR	0.25	0	0	0
OR1116	CIRCULAR	0.2	0	0	0
OR1117	CIRCULAR	0.2	0	0	0
OR1118	CIRCULAR	0.2	0	0	0

OR1119	CIRCULAR	0.2	0	0	0
OR112	CIRCULAR	0.2	0	0	0
OR1120	CIRCULAR	0.2	0	0	0
OR1121	CIRCULAR	0.25	0	0	0
OR1122	CIRCULAR	0.15	0	0	0
OR1123	CIRCULAR	0.15	0	0	0
OR1124	CIRCULAR	0.2	0	0	0
OR1125	CIRCULAR	0.2	0	0	0
OR1126	CIRCULAR	0.2	0	0	0
OR1127	CIRCULAR	0.2	0	0	0
OR1128	CIRCULAR	0.2	0	0	0
OR1129	CIRCULAR	0.2	0	0	0
OR113	CIRCULAR	0.2	0	0	0
OR1130	CIRCULAR	0.2	0	0	0
OR1131	CIRCULAR	0.2	0	0	0
OR1132	CIRCULAR	0.2	0	0	0
OR1133	CIRCULAR	0.2	0	0	0
OR1134	CIRCULAR	0.2	0	0	0
OR1135	CIRCULAR	0.2	0	0	0
OR1136	CIRCULAR	0.2	0	0	0
OR1137	CIRCULAR	0.2	0	0	0
OR1138	CIRCULAR	0.2	0	0	0
OR1139	CIRCULAR	0.2	0	0	0
OR114	CIRCULAR	0.2	0	0	0
OR1140	CIRCULAR	0.2	0	0	0
OR1141	CIRCULAR	0.2	0	0	0
OR1142	CIRCULAR	0.2	0	0	0
OR1143	CIRCULAR	0.2	0	0	0
OR1144	CIRCULAR	0.2	0	0	0
OR1145	CIRCULAR	0.2	0	0	0
OR1146	CIRCULAR	0.2	0	0	0
OR1147	CIRCULAR	0.2	0	0	0
OR1148	CIRCULAR	0.2	0	0	0
OR1149	CIRCULAR	0.2	0	0	0
OR115	CIRCULAR	0.2	0	0	0
OR1150	CIRCULAR	0.2	0	0	0
OR1151	CIRCULAR	0.2	0	0	0
OR1152	CIRCULAR	0.15	0	0	0
OR1153	CIRCULAR	0.15	0	0	0
OR1154	CIRCULAR	0.15	0	0	0
OR1155	CIRCULAR	0.2	0	0	0
OR1156	CIRCULAR	0.2	0	0	0
OR1157	CIRCULAR	0.2	0	0	0
OR1158	CIRCULAR	0.2	0	0	0
OR1159	CIRCULAR	0.2	0	0	0
OR116	CIRCULAR	0.2	0	0	0
OR1160	CIRCULAR	0.2	0	0	0
OR1161	CIRCULAR	0.2	0	0	0
OR1162	CIRCULAR	0.2	0	0	0
OR1163	CIRCULAR	0.2	0	0	0
OR1164	CIRCULAR	0.2	0	0	0
OR1165	CIRCULAR	0.2	0	0	0
OR1166	CIRCULAR	0.2	0	0	0
OR1167	CIRCULAR	0.2	0	0	0
OR1168	CIRCULAR	0.2	0	0	0
OR1169	CIRCULAR	0.2	0	0	0
OR117	CIRCULAR	0.2	0	0	0
OR1170	CIRCULAR	0.2	0	0	0
OR1171	CIRCULAR	0.2	0	0	0
OR1172	CIRCULAR	0.2	0	0	0
OR1173	CIRCULAR	0.2	0	0	0
OR1174	CIRCULAR	0.15	0	0	0
OR1175	CIRCULAR	0.15	0	0	0
OR1176	CIRCULAR	0.2	0	0	0

OR1177	CIRCULAR	0.3	0	0	0
OR1178	CIRCULAR	0.25	0	0	0
OR1179	CIRCULAR	0.2	0	0	0
OR118	CIRCULAR	0.2	0	0	0
OR1180	CIRCULAR	0.2	0	0	0
OR1181	CIRCULAR	0.2	0	0	0
OR1182	CIRCULAR	0.2	0	0	0
OR1183	CIRCULAR	0.2	0	0	0
OR1184	CIRCULAR	0.2	0	0	0
OR1185	CIRCULAR	0.2	0	0	0
OR1186	CIRCULAR	0.2	0	0	0
OR1187	CIRCULAR	0.2	0	0	0
OR1188	CIRCULAR	0.2	0	0	0
OR1189	CIRCULAR	0.2	0	0	0
OR119	CIRCULAR	0.2	0	0	0
OR1190	CIRCULAR	0.2	0	0	0
OR1191	CIRCULAR	0.2	0	0	0
OR1192	CIRCULAR	0.2	0	0	0
OR1193	CIRCULAR	0.2	0	0	0
OR1194	CIRCULAR	0.2	0	0	0
OR1195	CIRCULAR	0.2	0	0	0
OR1196	CIRCULAR	0.2	0	0	0
OR1197	CIRCULAR	0.2	0	0	0
OR1198	CIRCULAR	0.2	0	0	0
OR1199	CIRCULAR	0.2	0	0	0
OR12	CIRCULAR	0.2	0	0	0
OR120	CIRCULAR	0.2	0	0	0
OR1200	CIRCULAR	0.2	0	0	0
OR1201	CIRCULAR	0.2	0	0	0
OR1202	CIRCULAR	0.2	0	0	0
OR1203	CIRCULAR	0.2	0	0	0
OR1204	CIRCULAR	0.2	0	0	0
OR1205	CIRCULAR	0.2	0	0	0
OR1206	CIRCULAR	0.2	0	0	0
OR1207	CIRCULAR	0.2	0	0	0
OR1208	CIRCULAR	0.2	0	0	0
OR1209	CIRCULAR	0.2	0	0	0
OR121	CIRCULAR	0.2	0	0	0
OR1210	CIRCULAR	0.2	0	0	0
OR1211	CIRCULAR	0.2	0	0	0
OR1212	CIRCULAR	0.2	0	0	0
OR1213	CIRCULAR	0.2	0	0	0
OR1214	CIRCULAR	0.2	0	0	0
OR1215	CIRCULAR	0.2	0	0	0
OR1216	CIRCULAR	0.2	0	0	0
OR1217	CIRCULAR	0.2	0	0	0
OR1218	CIRCULAR	0.2	0	0	0
OR1219	CIRCULAR	0.2	0	0	0
OR122	CIRCULAR	0.2	0	0	0
OR1220	CIRCULAR	0.2	0	0	0
OR1221	CIRCULAR	0.2	0	0	0
OR1222	CIRCULAR	0.2	0	0	0
OR1223	CIRCULAR	0.2	0	0	0
OR1224	CIRCULAR	0.2	0	0	0
OR1225	CIRCULAR	0.3	0	0	0
OR1226	CIRCULAR	0.2	0	0	0
OR1227	CIRCULAR	0.2	0	0	0
OR1228	CIRCULAR	0.2	0	0	0
OR1229	CIRCULAR	0.2	0	0	0
OR123	CIRCULAR	0.2	0	0	0
OR1230	CIRCULAR	0.2	0	0	0
OR1231	CIRCULAR	0.2	0	0	0
OR1232	CIRCULAR	0.2	0	0	0
OR1233	CIRCULAR	0.2	0	0	0

OR1234	CIRCULAR	0.2	0	0	0
OR1235	CIRCULAR	0.2	0	0	0
OR1236	CIRCULAR	0.2	0	0	0
OR1237	CIRCULAR	0.2	0	0	0
OR1238	CIRCULAR	0.2	0	0	0
OR1239	CIRCULAR	0.2	0	0	0
OR124	CIRCULAR	0.2	0	0	0
OR1240	CIRCULAR	0.2	0	0	0
OR1241	CIRCULAR	0.2	0	0	0
OR1242	CIRCULAR	0.2	0	0	0
OR1243	CIRCULAR	0.2	0	0	0
OR1244	CIRCULAR	0.2	0	0	0
OR1245	CIRCULAR	0.2	0	0	0
OR1246	CIRCULAR	0.2	0	0	0
OR1247	CIRCULAR	0.2	0	0	0
OR1248	CIRCULAR	0.2	0	0	0
OR1249	CIRCULAR	0.2	0	0	0
OR125	CIRCULAR	0.2	0	0	0
OR1250	CIRCULAR	0.2	0	0	0
OR1251	CIRCULAR	0.2	0	0	0
OR1252	CIRCULAR	0.2	0	0	0
OR1253	CIRCULAR	0.2	0	0	0
OR1254	CIRCULAR	0.2	0	0	0
OR1255	CIRCULAR	0.2	0	0	0
OR1256	CIRCULAR	0.2	0	0	0
OR1257	CIRCULAR	0.3	0	0	0
OR1258	CIRCULAR	0.2	0	0	0
OR1259	CIRCULAR	0.2	0	0	0
OR126	CIRCULAR	0.2	0	0	0
OR1260	CIRCULAR	0.2	0	0	0
OR1261	CIRCULAR	0.2	0	0	0
OR1262	CIRCULAR	0.2	0	0	0
OR1263	CIRCULAR	0.2	0	0	0
OR1264	CIRCULAR	0.2	0	0	0
OR1265	CIRCULAR	0.2	0	0	0
OR1266	CIRCULAR	0.2	0	0	0
OR1267	CIRCULAR	0.2	0	0	0
OR1268	CIRCULAR	0.2	0	0	0
OR1269	CIRCULAR	0.2	0	0	0
OR127	CIRCULAR	0.2	0	0	0
OR1270	CIRCULAR	0.2	0	0	0
OR1271	CIRCULAR	0.2	0	0	0
OR1272	CIRCULAR	0.2	0	0	0
OR1273	CIRCULAR	0.2	0	0	0
OR1274	CIRCULAR	0.2	0	0	0
OR1275	CIRCULAR	0.2	0	0	0
OR1276	CIRCULAR	0.2	0	0	0
OR1277	CIRCULAR	0.2	0	0	0
OR1278	CIRCULAR	0.2	0	0	0
OR1279	CIRCULAR	0.2	0	0	0
OR128	CIRCULAR	0.2	0	0	0
OR1280	CIRCULAR	0.2	0	0	0
OR1281	CIRCULAR	0.2	0	0	0
OR1282	CIRCULAR	0.2	0	0	0
OR1283	CIRCULAR	0.2	0	0	0
OR1284	CIRCULAR	0.2	0	0	0
OR1285	CIRCULAR	0.2	0	0	0
OR1286	CIRCULAR	0.2	0	0	0
OR1287	CIRCULAR	0.2	0	0	0
OR1288	CIRCULAR	0.25	0	0	0
OR1289	CIRCULAR	0.25	0	0	0
OR129	CIRCULAR	0.2	0	0	0
OR1290	CIRCULAR	0.25	0	0	0
OR1291	CIRCULAR	0.2	0	0	0

OR1292	CIRCULAR	0.2	0	0	0
OR1293	CIRCULAR	0.25	0	0	0
OR1294	CIRCULAR	0.2	0	0	0
OR1295	CIRCULAR	0.2	0	0	0
OR1296	CIRCULAR	0.2	0	0	0
OR1297	CIRCULAR	0.25	0	0	0
OR1298	CIRCULAR	0.2	0	0	0
OR1299	CIRCULAR	0.2	0	0	0
OR13	CIRCULAR	0.15	0	0	0
OR130	CIRCULAR	0.2	0	0	0
OR1300	CIRCULAR	0.2	0	0	0
OR1301	CIRCULAR	0.2	0	0	0
OR1302	CIRCULAR	0.2	0	0	0
OR1303	CIRCULAR	0.3	0	0	0
OR1304	CIRCULAR	0.2	0	0	0
OR1305	CIRCULAR	0.15	0	0	0
OR1306	CIRCULAR	0.15	0	0	0
OR1307	CIRCULAR	0.15	0	0	0
OR1308	CIRCULAR	0.15	0	0	0
OR1309	CIRCULAR	0.15	0	0	0
OR131	CIRCULAR	0.2	0	0	0
OR1310	CIRCULAR	0.15	0	0	0
OR1311	CIRCULAR	0.2	0	0	0
OR1312	CIRCULAR	0.2	0	0	0
OR1313	CIRCULAR	0.15	0	0	0
OR1314	CIRCULAR	0.15	0	0	0
OR1315	CIRCULAR	0.15	0	0	0
OR1316	CIRCULAR	0.15	0	0	0
OR1317	CIRCULAR	0.15	0	0	0
OR1318	CIRCULAR	0.2	0	0	0
OR1319	CIRCULAR	0.2	0	0	0
OR132	CIRCULAR	0.2	0	0	0
OR1320	CIRCULAR	0.2	0	0	0
OR1321	CIRCULAR	0.2	0	0	0
OR1322	CIRCULAR	0.2	0	0	0
OR1323	CIRCULAR	0.2	0	0	0
OR1324	CIRCULAR	0.2	0	0	0
OR1325	CIRCULAR	0.25	0	0	0
OR1326	CIRCULAR	0.2	0	0	0
OR1327	CIRCULAR	0.15	0	0	0
OR1328	CIRCULAR	0.2	0	0	0
OR1329	CIRCULAR	0.15	0	0	0
OR133	CIRCULAR	0.2	0	0	0
OR1330	CIRCULAR	0.15	0	0	0
OR1331	CIRCULAR	0.15	0	0	0
OR1332	CIRCULAR	0.15	0	0	0
OR1333	CIRCULAR	0.15	0	0	0
OR1334	CIRCULAR	0.15	0	0	0
OR1335	CIRCULAR	0.15	0	0	0
OR1336	CIRCULAR	0.15	0	0	0
OR1337	CIRCULAR	0.15	0	0	0
OR1338	CIRCULAR	0.15	0	0	0
OR1339	CIRCULAR	0.15	0	0	0
OR134	CIRCULAR	0.2	0	0	0
OR1340	CIRCULAR	0.15	0	0	0
OR1341	CIRCULAR	0.15	0	0	0
OR1342	CIRCULAR	0.2	0	0	0
OR1343	CIRCULAR	0.2	0	0	0
OR1344	CIRCULAR	0.2	0	0	0
OR1345	CIRCULAR	0.2	0	0	0
OR1346	CIRCULAR	0.2	0	0	0
OR1347	CIRCULAR	0.2	0	0	0
OR1348	CIRCULAR	0.2	0	0	0
OR1349	CIRCULAR	0.2	0	0	0

OR135	CIRCULAR	0.25	0	0	0
OR1350	CIRCULAR	0.2	0	0	0
OR1351	CIRCULAR	0.3	0	0	0
OR1352	CIRCULAR	0.2	0	0	0
OR1353	CIRCULAR	0.2	0	0	0
OR1354	CIRCULAR	0.2	0	0	0
OR1355	CIRCULAR	0.2	0	0	0
OR1356	CIRCULAR	0.2	0	0	0
OR1357	RECT_CLOSED	1	54.69	0	0
OR1358	CIRCULAR	0.2	0	0	0
OR1359	CIRCULAR	0.2	0	0	0
OR136	CIRCULAR	0.25	0	0	0
OR1360	CIRCULAR	0.2	0	0	0
OR1361	CIRCULAR	0.2	0	0	0
OR1362	RECT_CLOSED	30	10	0	0
OR1363	RECT_CLOSED	30	10	0	0
OR1364	RECT_CLOSED	30	10	0	0
OR1365	RECT_CLOSED	30	10	0	0
OR1366	RECT_CLOSED	30	10	0	0
OR1367	RECT_CLOSED	30	10	0	0
OR1368	RECT_CLOSED	30	10	0	0
OR1369	RECT_CLOSED	30	10	0	0
OR137	CIRCULAR	0.25	0	0	0
OR1370	RECT_CLOSED	30	10	0	0
OR1371	RECT_CLOSED	30	10	0	0
OR1372	RECT_CLOSED	30	10	0	0
OR1373	RECT_CLOSED	30	10	0	0
OR1374	RECT_CLOSED	30	10	0	0
OR1375	RECT_CLOSED	30	10	0	0
OR1376	RECT_CLOSED	30	10	0	0
OR1377	RECT_CLOSED	30	10	0	0
OR1378	RECT_CLOSED	30	10	0	0
OR1379	RECT_CLOSED	30	10	0	0
OR138	CIRCULAR	0.25	0	0	0
OR1380	RECT_CLOSED	30	10	0	0
OR1381	RECT_CLOSED	30	10	0	0
OR1382	RECT_CLOSED	30	10	0	0
OR1383	RECT_CLOSED	30	10	0	0
OR1384	RECT_CLOSED	30	10	0	0
OR1385	RECT_CLOSED	30	10	0	0
OR1386	RECT_CLOSED	30	10	0	0
OR1387	RECT_CLOSED	30	10	0	0
OR1388	RECT_CLOSED	30	10	0	0
OR1389	RECT_CLOSED	30	10	0	0
OR139	CIRCULAR	0.25	0	0	0
OR1390	RECT_CLOSED	30	10	0	0
OR1391	RECT_CLOSED	30	10	0	0
OR1392	RECT_CLOSED	30	10	0	0
OR1393	RECT_CLOSED	30	10	0	0
OR1394	RECT_CLOSED	30	10	0	0
OR1395	RECT_CLOSED	30	10	0	0
OR1396	RECT_CLOSED	30	10	0	0
OR1397	RECT_CLOSED	30	10	0	0
OR1398	RECT_CLOSED	30	10	0	0
OR1399	RECT_CLOSED	30	10	0	0
OR14	CIRCULAR	0.2	0	0	0
OR140	CIRCULAR	0.25	0	0	0
OR1400	RECT_CLOSED	30	10	0	0
OR1401	RECT_CLOSED	30	10	0	0
OR1402	RECT_CLOSED	30	10	0	0
OR1403	RECT_CLOSED	30	10	0	0
OR1404	RECT_CLOSED	30	10	0	0
OR1405	RECT_CLOSED	30	10	0	0
OR1406	RECT_CLOSED	30	10	0	0

OR1407	RECT_CLOSED	30	10	0	0
OR1408	RECT_CLOSED	30	10	0	0
OR1409	RECT_CLOSED	30	10	0	0
OR141	CIRCULAR	0.25	0	0	0
OR1410	RECT_CLOSED	30	10	0	0
OR1411	RECT_CLOSED	30	10	0	0
OR1412	RECT_CLOSED	30	10	0	0
OR1413	RECT_CLOSED	30	10	0	0
OR1414	RECT_CLOSED	30	10	0	0
OR1415	RECT_CLOSED	30	10	0	0
OR1416	RECT_CLOSED	30	10	0	0
OR1417	RECT_CLOSED	30	10	0	0
OR1418	RECT_CLOSED	30	10	0	0
OR1419	RECT_CLOSED	30	10	0	0
OR142	CIRCULAR	0.2	0	0	0
OR1420	RECT_CLOSED	30	10	0	0
OR1421	RECT_CLOSED	30	10	0	0
OR1422	RECT_CLOSED	30	10	0	0
OR1423	RECT_CLOSED	30	10	0	0
OR1424	RECT_CLOSED	30	10	0	0
OR1425	RECT_CLOSED	30	10	0	0
OR1426	RECT_CLOSED	30	10	0	0
OR1427	RECT_CLOSED	30	10	0	0
OR1428	RECT_CLOSED	30	10	0	0
OR1429	RECT_CLOSED	30	10	0	0
OR143	CIRCULAR	0.2	0	0	0
OR1430	RECT_CLOSED	30	10	0	0
OR1431	RECT_CLOSED	30	10	0	0
OR1432	RECT_CLOSED	30	10	0	0
OR1433	RECT_CLOSED	30	10	0	0
OR1434	RECT_CLOSED	30	10	0	0
OR1435	RECT_CLOSED	30	10	0	0
OR1436	RECT_CLOSED	30	10	0	0
OR1437	RECT_CLOSED	30	10	0	0
OR1438	RECT_CLOSED	30	10	0	0
OR1439	RECT_CLOSED	30	10	0	0
OR144	CIRCULAR	0.2	0	0	0
OR1440	RECT_CLOSED	30	10	0	0
OR1441	RECT_CLOSED	30	10	0	0
OR1442	RECT_CLOSED	30	10	0	0
OR1443	RECT_CLOSED	30	10	0	0
OR1444	RECT_CLOSED	30	10	0	0
OR1445	RECT_CLOSED	30	10	0	0
OR1446	RECT_CLOSED	30	10	0	0
OR1447	RECT_CLOSED	30	10	0	0
OR1448	RECT_CLOSED	30	10	0	0
OR1449	RECT_CLOSED	30	10	0	0
OR145	CIRCULAR	0.2	0	0	0
OR1450	RECT_CLOSED	30	10	0	0
OR1451	RECT_CLOSED	30	10	0	0
OR1452	RECT_CLOSED	30	10	0	0
OR1453	RECT_CLOSED	30	10	0	0
OR1454	RECT_CLOSED	30	10	0	0
OR1455	RECT_CLOSED	30	10	0	0
OR1456	RECT_CLOSED	30	10	0	0
OR1457	RECT_CLOSED	30	10	0	0
OR1458	RECT_CLOSED	30	10	0	0
OR1459	RECT_CLOSED	30	10	0	0
OR146	CIRCULAR	0.2	0	0	0
OR1460	RECT_CLOSED	30	10	0	0
OR1461	RECT_CLOSED	30	10	0	0
OR1462	RECT_CLOSED	30	10	0	0
OR1463	RECT_CLOSED	30	10	0	0
OR1464	RECT_CLOSED	30	10	0	0

OR1465	RECT_CLOSED	30	10	0	0
OR1466	RECT_CLOSED	30	10	0	0
OR1467	RECT_CLOSED	30	10	0	0
OR1468	RECT_CLOSED	30	10	0	0
OR1469	RECT_CLOSED	30	10	0	0
OR147	CIRCULAR	0.2	0	0	0
OR1470	RECT_CLOSED	30	10	0	0
OR1471	RECT_CLOSED	30	10	0	0
OR1472	RECT_CLOSED	30	10	0	0
OR1473	RECT_CLOSED	30	10	0	0
OR1474	RECT_CLOSED	30	10	0	0
OR1475	RECT_CLOSED	30	10	0	0
OR1476	RECT_CLOSED	30	10	0	0
OR1477	RECT_CLOSED	30	10	0	0
OR1478	RECT_CLOSED	30	10	0	0
OR1479	RECT_CLOSED	30	10	0	0
OR148	CIRCULAR	0.25	0	0	0
OR1480	RECT_CLOSED	30	10	0	0
OR1481	RECT_CLOSED	30	10	0	0
OR1482	RECT_CLOSED	30	10	0	0
OR1483	RECT_CLOSED	30	10	0	0
OR1484	RECT_CLOSED	30	10	0	0
OR1485	RECT_CLOSED	30	10	0	0
OR1486	RECT_CLOSED	30	10	0	0
OR1487	RECT_CLOSED	30	10	0	0
OR1488	RECT_CLOSED	30	10	0	0
OR1489	RECT_CLOSED	30	10	0	0
OR149	CIRCULAR	0.25	0	0	0
OR1490	RECT_CLOSED	30	10	0	0
OR1491	RECT_CLOSED	30	10	0	0
OR1492	RECT_CLOSED	30	10	0	0
OR1493	RECT_CLOSED	30	10	0	0
OR1494	RECT_CLOSED	30	10	0	0
OR1495	RECT_CLOSED	30	10	0	0
OR1496	RECT_CLOSED	30	10	0	0
OR1497	RECT_CLOSED	30	10	0	0
OR1498	RECT_CLOSED	30	10	0	0
OR1499	RECT_CLOSED	30	10	0	0
OR15	CIRCULAR	0.3	0	0	0
OR150	CIRCULAR	0.25	0	0	0
OR1500	RECT_CLOSED	30	10	0	0
OR1501	RECT_CLOSED	30	10	0	0
OR1502	RECT_CLOSED	30	10	0	0
OR1503	RECT_CLOSED	30	10	0	0
OR1504	RECT_CLOSED	30	10	0	0
OR1505	RECT_CLOSED	30	10	0	0
OR1506	RECT_CLOSED	30	10	0	0
OR1507	RECT_CLOSED	30	10	0	0
OR1508	RECT_CLOSED	30	10	0	0
OR1509	RECT_CLOSED	30	10	0	0
OR151	CIRCULAR	0.2	0	0	0
OR1510	RECT_CLOSED	30	10	0	0
OR1511	RECT_CLOSED	30	10	0	0
OR1512	RECT_CLOSED	30	10	0	0
OR1513	RECT_CLOSED	30	10	0	0
OR1514	RECT_CLOSED	30	10	0	0
OR1515	RECT_CLOSED	30	10	0	0
OR1516	RECT_CLOSED	30	10	0	0
OR1517	RECT_CLOSED	30	10	0	0
OR1518	RECT_CLOSED	30	10	0	0
OR1519	RECT_CLOSED	30	10	0	0
OR152	CIRCULAR	0.2	0	0	0
OR1520	RECT_CLOSED	30	10	0	0
OR1521	RECT_CLOSED	30	10	0	0

OR1522	RECT_CLOSED	30	10	0	0
OR1523	RECT_CLOSED	30	10	0	0
OR1524	RECT_CLOSED	30	10	0	0
OR1525	RECT_CLOSED	30	10	0	0
OR1526	RECT_CLOSED	30	10	0	0
OR1527	RECT_CLOSED	30	10	0	0
OR1528	RECT_CLOSED	30	10	0	0
OR1529	RECT_CLOSED	30	10	0	0
OR153	CIRCULAR	0.2	0	0	0
OR1530	RECT_CLOSED	30	10	0	0
OR1531	RECT_CLOSED	30	10	0	0
OR1532	RECT_CLOSED	30	10	0	0
OR1533	RECT_CLOSED	30	10	0	0
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OR165	CIRCULAR	0.2	0	0	0
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OR169	CIRCULAR	0.2	0	0	0
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OR170	CIRCULAR	0.2	0	0	0
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OR172	CIRCULAR	0.2	0	0	0
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OR173	CIRCULAR	0.2	0	0	0
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OR174	CIRCULAR	0.2	0	0	0
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OR176	CIRCULAR	0.25	0	0	0
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OR177	CIRCULAR	0.25	0	0	0
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OR178	CIRCULAR	0.25	0	0	0
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OR18	CIRCULAR	0.2	0	0	0
OR180	CIRCULAR	0.2	0	0	0
OR1800	RECT_CLOSED	30	10	0	0
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OR181	CIRCULAR	0.2	0	0	0
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OR182	CIRCULAR	0.2	0	0	0
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OR188	CIRCULAR	0.2	0	0	0
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OR19	CIRCULAR	0.25	0	0	0
OR190	CIRCULAR	0.2	0	0	0
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OR192	CIRCULAR	0.2	0	0	0
OR1920	RECT_CLOSED	30	10	0	0
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OR1923	RECT_CLOSED	30	10	0	0
OR1924	RECT_CLOSED	30	10	0	0
OR1925	RECT_CLOSED	30	10	0	0
OR1926	RECT_CLOSED	30	10	0	0

OR1927	RECT_CLOSED	30	10	0	0
OR1928	RECT_CLOSED	30	10	0	0
OR1929	RECT_CLOSED	30	10	0	0
OR193	CIRCULAR	0.2	0	0	0
OR1930	RECT_CLOSED	30	10	0	0
OR1931	RECT_CLOSED	30	10	0	0
OR1932	RECT_CLOSED	30	10	0	0
OR1933	RECT_CLOSED	30	10	0	0
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OR1937	RECT_CLOSED	30	10	0	0
OR1938	RECT_CLOSED	30	10	0	0
OR1939	RECT_CLOSED	30	10	0	0
OR194	CIRCULAR	0.2	0	0	0
OR1940	RECT_CLOSED	30	10	0	0
OR1941	RECT_CLOSED	30	10	0	0
OR1942	RECT_CLOSED	30	10	0	0
OR1943	RECT_CLOSED	30	10	0	0
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OR1948	RECT_CLOSED	30	10	0	0
OR1949	RECT_CLOSED	30	10	0	0
OR195	CIRCULAR	0.2	0	0	0
OR1950	RECT_CLOSED	30	10	0	0
OR1951	RECT_CLOSED	30	10	0	0
OR1952	RECT_CLOSED	30	10	0	0
OR1953	RECT_CLOSED	30	10	0	0
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OR1957	RECT_CLOSED	30	10	0	0
OR1958	RECT_CLOSED	30	10	0	0
OR1959	RECT_CLOSED	30	10	0	0
OR196	CIRCULAR	0.2	0	0	0
OR1960	RECT_CLOSED	30	10	0	0
OR1961	RECT_CLOSED	30	10	0	0
OR1962	RECT_CLOSED	30	10	0	0
OR1963	RECT_CLOSED	30	10	0	0
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OR1967	RECT_CLOSED	30	10	0	0
OR1968	RECT_CLOSED	30	10	0	0
OR1969	RECT_CLOSED	30	10	0	0
OR197	CIRCULAR	0.2	0	0	0
OR1970	RECT_CLOSED	30	10	0	0
OR1971	RECT_CLOSED	30	10	0	0
OR1972	RECT_CLOSED	30	10	0	0
OR1973	RECT_CLOSED	30	10	0	0
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OR1977	RECT_CLOSED	30	10	0	0
OR1978	RECT_CLOSED	30	10	0	0
OR1979	RECT_CLOSED	30	10	0	0
OR198	CIRCULAR	0.2	0	0	0
OR1980	RECT_CLOSED	30	10	0	0
OR1981	RECT_CLOSED	30	10	0	0
OR1982	RECT_CLOSED	30	10	0	0
OR1983	RECT_CLOSED	30	10	0	0
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OR1988	RECT_CLOSED	30	10	0	0
OR1989	RECT_CLOSED	30	10	0	0
OR199	CIRCULAR	0.2	0	0	0
OR1990	RECT_CLOSED	30	10	0	0
OR1991	RECT_CLOSED	30	10	0	0
OR1992	RECT_CLOSED	30	10	0	0
OR1993	RECT_CLOSED	30	10	0	0
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OR1997	RECT_CLOSED	30	10	0	0
OR1998	RECT_CLOSED	30	10	0	0
OR1999	RECT_CLOSED	30	10	0	0
OR2	CIRCULAR	0.1	0	0	0
OR20	CIRCULAR	0.25	0	0	0
OR200	CIRCULAR	0.2	0	0	0
OR2000	RECT_CLOSED	30	10	0	0
OR2001	RECT_CLOSED	30	10	0	0
OR2002	RECT_CLOSED	30	10	0	0
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OR2007	RECT_CLOSED	30	10	0	0
OR2008	RECT_CLOSED	30	10	0	0
OR2009	RECT_CLOSED	30	10	0	0
OR201	CIRCULAR	0.2	0	0	0
OR2010	RECT_CLOSED	30	10	0	0
OR2011	RECT_CLOSED	30	10	0	0
OR2012	RECT_CLOSED	30	10	0	0
OR2013	RECT_CLOSED	30	10	0	0
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OR2016	RECT_CLOSED	30	10	0	0
OR2017	RECT_CLOSED	30	10	0	0
OR2018	RECT_CLOSED	30	10	0	0
OR2019	RECT_CLOSED	30	10	0	0
OR202	CIRCULAR	0.25	0	0	0
OR2020	RECT_CLOSED	30	10	0	0
OR2021	RECT_CLOSED	30	10	0	0
OR2022	RECT_CLOSED	30	10	0	0
OR2023	RECT_CLOSED	30	10	0	0
OR2024	RECT_CLOSED	30	10	0	0
OR2025	RECT_CLOSED	30	10	0	0
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OR2027	RECT_CLOSED	30	10	0	0
OR2028	RECT_CLOSED	30	10	0	0
OR2029	RECT_CLOSED	30	10	0	0
OR203	CIRCULAR	0.25	0	0	0
OR2030	RECT_CLOSED	30	10	0	0
OR2031	RECT_CLOSED	30	10	0	0
OR2032	RECT_CLOSED	30	10	0	0
OR2033	RECT_CLOSED	30	10	0	0
OR2034	RECT_CLOSED	30	10	0	0
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OR2037	RECT_CLOSED	30	10	0	0
OR2038	RECT_CLOSED	30	10	0	0
OR2039	RECT_CLOSED	30	10	0	0
OR204	CIRCULAR	0.2	0	0	0
OR2040	RECT_CLOSED	30	10	0	0

OR2041	RECT_CLOSED	30	10	0	0
OR2042	RECT_CLOSED	30	10	0	0
OR2043	RECT_CLOSED	30	10	0	0
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OR2045	RECT_CLOSED	30	10	0	0
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OR2048	RECT_CLOSED	30	10	0	0
OR2049	RECT_CLOSED	30	10	0	0
OR205	CIRCULAR	0.2	0	0	0
OR2050	RECT_CLOSED	30	10	0	0
OR2051	RECT_CLOSED	30	10	0	0
OR2052	RECT_CLOSED	30	10	0	0
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OR2058	RECT_CLOSED	30	10	0	0
OR2059	RECT_CLOSED	30	10	0	0
OR206	CIRCULAR	0.25	0	0	0
OR2060	RECT_CLOSED	30	10	0	0
OR2061	RECT_CLOSED	30	10	0	0
OR2062	RECT_CLOSED	30	10	0	0
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OR2068	RECT_CLOSED	30	10	0	0
OR2069	RECT_CLOSED	30	10	0	0
OR207	CIRCULAR	0.2	0	0	0
OR2070	RECT_CLOSED	30	10	0	0
OR2071	RECT_CLOSED	30	10	0	0
OR2072	RECT_CLOSED	30	10	0	0
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OR2077	RECT_CLOSED	30	10	0	0
OR2078	RECT_CLOSED	30	10	0	0
OR2079	RECT_CLOSED	30	10	0	0
OR208	CIRCULAR	0.2	0	0	0
OR2080	RECT_CLOSED	30	10	0	0
OR2081	RECT_CLOSED	30	10	0	0
OR2082	RECT_CLOSED	30	10	0	0
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OR2087	RECT_CLOSED	30	10	0	0
OR2088	RECT_CLOSED	30	10	0	0
OR2089	RECT_CLOSED	30	10	0	0
OR209	CIRCULAR	0.2	0	0	0
OR2090	RECT_CLOSED	30	10	0	0
OR2091	RECT_CLOSED	30	10	0	0
OR2092	RECT_CLOSED	30	10	0	0
OR2093	RECT_CLOSED	30	10	0	0
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OR2096	RECT_CLOSED	30	10	0	0
OR2097	RECT_CLOSED	30	10	0	0
OR2098	RECT_CLOSED	30	10	0	0
OR2099	RECT_CLOSED	30	10	0	0

OR21	CIRCULAR	0.25	0	0	0
OR210	CIRCULAR	0.25	0	0	0
OR2100	RECT_CLOSED	30	10	0	0
OR2101	RECT_CLOSED	30	10	0	0
OR2102	RECT_CLOSED	30	10	0	0
OR2103	RECT_CLOSED	30	10	0	0
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OR2107	RECT_CLOSED	30	10	0	0
OR2108	RECT_CLOSED	30	10	0	0
OR2109	RECT_CLOSED	30	10	0	0
OR211	CIRCULAR	0.25	0	0	0
OR2110	RECT_CLOSED	30	10	0	0
OR2111	RECT_CLOSED	30	10	0	0
OR2112	RECT_CLOSED	30	10	0	0
OR2113	RECT_CLOSED	30	10	0	0
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OR2117	RECT_CLOSED	30	10	0	0
OR2118	RECT_CLOSED	30	10	0	0
OR2119	RECT_CLOSED	30	10	0	0
OR212	CIRCULAR	0.2	0	0	0
OR2120	RECT_CLOSED	30	10	0	0
OR2121	RECT_CLOSED	30	10	0	0
OR2122	RECT_CLOSED	30	10	0	0
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OR213	CIRCULAR	0.2	0	0	0
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OR2139	RECT_CLOSED	30	10	0	0
OR214	CIRCULAR	0.2	0	0	0
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OR2149	RECT_CLOSED	30	10	0	0
OR215	CIRCULAR	0.2	0	0	0
OR2150	RECT_CLOSED	30	10	0	0
OR2151	RECT_CLOSED	30	10	0	0
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OR2153	RECT_CLOSED	30	10	0	0
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OR2156	RECT_CLOSED	30	10	0	0

OR2157	RECT_CLOSED	30	10	0	0
OR2158	RECT_CLOSED	30	10	0	0
OR2159	RECT_CLOSED	30	10	0	0
OR216	CIRCULAR	0.2	0	0	0
OR2160	RECT_CLOSED	30	10	0	0
OR2161	RECT_CLOSED	30	10	0	0
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OR2167	RECT_CLOSED	30	10	0	0
OR2168	RECT_CLOSED	30	10	0	0
OR2169	RECT_CLOSED	30	10	0	0
OR217	CIRCULAR	0.2	0	0	0
OR2170	RECT_CLOSED	30	10	0	0
OR2171	RECT_CLOSED	30	10	0	0
OR2172	RECT_CLOSED	30	10	0	0
OR2173	RECT_CLOSED	30	10	0	0
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OR2178	RECT_CLOSED	30	10	0	0
OR2179	RECT_CLOSED	30	10	0	0
OR218	CIRCULAR	0.2	0	0	0
OR2180	RECT_CLOSED	30	10	0	0
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OR219	CIRCULAR	0.2	0	0	0
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OR2198	RECT_CLOSED	30	10	0	0
OR2199	RECT_CLOSED	30	10	0	0
OR22	CIRCULAR	0.25	0	0	0
OR220	CIRCULAR	0.2	0	0	0
OR2200	RECT_CLOSED	30	10	0	0
OR2201	RECT_CLOSED	30	10	0	0
OR2202	RECT_CLOSED	30	10	0	0
OR2203	RECT_CLOSED	30	10	0	0
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OR2206	RECT_CLOSED	30	10	0	0
OR2207	RECT_CLOSED	30	10	0	0
OR2208	RECT_CLOSED	30	10	0	0
OR2209	RECT_CLOSED	30	10	0	0
OR221	CIRCULAR	0.25	0	0	0
OR2210	RECT_CLOSED	30	10	0	0
OR2211	RECT_CLOSED	30	10	0	0
OR2212	RECT_CLOSED	30	10	0	0
OR2213	RECT_CLOSED	30	10	0	0

OR2214	RECT_CLOSED	30	10	0	0
OR2215	RECT_CLOSED	30	10	0	0
OR2216	RECT_CLOSED	30	10	0	0
OR2217	RECT_CLOSED	30	10	0	0
OR2218	RECT_CLOSED	30	175.48	0	0
OR2219	RECT_CLOSED	30	10	0	0
OR222	CIRCULAR	0.2	0	0	0
OR2220	RECT_CLOSED	30	10	0	0
OR2221	RECT_CLOSED	30	10	0	0
OR2222	RECT_CLOSED	30	10	0	0
OR2223	RECT_CLOSED	30	10	0	0
OR2224	RECT_CLOSED	30	10	0	0
OR2225	RECT_CLOSED	30	10	0	0
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OR2227	RECT_CLOSED	30	10	0	0
OR2228	RECT_CLOSED	30	10	0	0
OR2229	RECT_CLOSED	30	10	0	0
OR223	CIRCULAR	0.2	0	0	0
OR2230	RECT_CLOSED	30	10	0	0
OR2231	RECT_CLOSED	30	10	0	0
OR2232	RECT_CLOSED	30	10	0	0
OR2233	RECT_CLOSED	30	10	0	0
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OR2235	RECT_CLOSED	30	10	0	0
OR2236	RECT_CLOSED	30	10	0	0
OR2237	RECT_CLOSED	30	10	0	0
OR2238	RECT_CLOSED	30	175.48	0	0
OR2239	RECT_CLOSED	30	10	0	0
OR224	CIRCULAR	0.2	0	0	0
OR2240	RECT_CLOSED	30	10	0	0
OR2241	RECT_CLOSED	30	10	0	0
OR2242	RECT_CLOSED	30	10	0	0
OR2243	RECT_CLOSED	30	10	0	0
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OR2246	RECT_CLOSED	30	10	0	0
OR2247	RECT_CLOSED	30	10	0	0
OR2248	RECT_CLOSED	30	10	0	0
OR2249	RECT_CLOSED	30	10	0	0
OR225	CIRCULAR	0.2	0	0	0
OR2250	RECT_CLOSED	30	10	0	0
OR2251	RECT_CLOSED	30	10	0	0
OR2252	RECT_CLOSED	30	10	0	0
OR2253	RECT_CLOSED	30	10	0	0
OR2254	RECT_CLOSED	30	10	0	0
OR2255	RECT_CLOSED	30	10	0	0
OR2256	RECT_CLOSED	30	10	0	0
OR2257	RECT_CLOSED	30	10	0	0
OR2258	RECT_CLOSED	30	10	0	0
OR2259	RECT_CLOSED	30	10	0	0
OR226	CIRCULAR	0.2	0	0	0
OR2260	RECT_CLOSED	30	10	0	0
OR2261	RECT_CLOSED	30	10	0	0
OR2262	RECT_CLOSED	30	10	0	0
OR2263	RECT_CLOSED	30	10	0	0
OR2264	RECT_CLOSED	30	10	0	0
OR2265	RECT_CLOSED	30	10	0	0
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OR2267	RECT_CLOSED	30	10	0	0
OR2268	RECT_CLOSED	30	10	0	0
OR2269	RECT_CLOSED	30	10	0	0
OR227	CIRCULAR	0.2	0	0	0
OR2270	RECT_CLOSED	30	10	0	0
OR2271	RECT_CLOSED	30	10	0	0

OR2272	RECT_CLOSED	30	10	0	0
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OR2275	RECT_CLOSED	30	10	0	0
OR2276	RECT_CLOSED	30	10	0	0
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OR2278	RECT_CLOSED	30	10	0	0
OR2279	RECT_CLOSED	30	10	0	0
OR228	CIRCULAR	0.2	0	0	0
OR2280	RECT_CLOSED	30	10	0	0
OR2281	RECT_CLOSED	30	10	0	0
OR2282	RECT_CLOSED	30	10	0	0
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OR2287	RECT_CLOSED	30	10	0	0
OR2288	RECT_CLOSED	30	10	0	0
OR2289	RECT_CLOSED	30	10	0	0
OR229	CIRCULAR	0.2	0	0	0
OR2290	RECT_CLOSED	30	10	0	0
OR2291	RECT_CLOSED	30	10	0	0
OR2292	RECT_CLOSED	30	10	0	0
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OR2297	RECT_CLOSED	30	10	0	0
OR2298	RECT_CLOSED	30	10	0	0
OR2299	RECT_CLOSED	30	10	0	0
OR23	CIRCULAR	0.25	0	0	0
OR230	CIRCULAR	0.2	0	0	0
OR2300	RECT_CLOSED	30	10	0	0
OR2301	RECT_CLOSED	30	10	0	0
OR2302	RECT_CLOSED	30	10	0	0
OR2303	RECT_CLOSED	30	10	0	0
OR2304	RECT_CLOSED	30	10	0	0
OR2305	RECT_CLOSED	30	10	0	0
OR2306	RECT_CLOSED	30	10	0	0
OR2307	RECT_CLOSED	30	10	0	0
OR2308	RECT_CLOSED	30	10	0	0
OR2309	RECT_CLOSED	30	10	0	0
OR231	CIRCULAR	0.2	0	0	0
OR2310	RECT_CLOSED	30	10	0	0
OR2311	RECT_CLOSED	30	10	0	0
OR2312	RECT_CLOSED	30	10	0	0
OR2313	RECT_CLOSED	30	10	0	0
OR2314	RECT_CLOSED	30	10	0	0
OR2315	RECT_CLOSED	30	10	0	0
OR2316	RECT_CLOSED	30	10	0	0
OR2317	RECT_CLOSED	30	10	0	0
OR2318	RECT_CLOSED	30	10	0	0
OR2319	RECT_CLOSED	30	10	0	0
OR232	CIRCULAR	0.2	0	0	0
OR2320	RECT_CLOSED	30	10	0	0
OR2321	RECT_CLOSED	30	10	0	0
OR2322	RECT_CLOSED	30	10	0	0
OR2323	RECT_CLOSED	30	10	0	0
OR2324	RECT_CLOSED	30	10	0	0
OR2325	RECT_CLOSED	30	10	0	0
OR2326	RECT_CLOSED	30	10	0	0
OR2327	RECT_CLOSED	30	10	0	0
OR2328	RECT_CLOSED	30	10	0	0
OR2329	RECT_CLOSED	30	10	0	0

OR233	CIRCULAR	0.2	0	0	0
OR2330	RECT_CLOSED	30	10	0	0
OR2331	RECT_CLOSED	30	10	0	0
OR2332	RECT_CLOSED	30	10	0	0
OR2333	RECT_CLOSED	30	10	0	0
OR2334	RECT_CLOSED	30	10	0	0
OR2335	RECT_CLOSED	30	10	0	0
OR2336	RECT_CLOSED	30	10	0	0
OR2337	RECT_CLOSED	30	10	0	0
OR2338	RECT_CLOSED	30	10	0	0
OR2339	RECT_CLOSED	30	10	0	0
OR234	CIRCULAR	0.2	0	0	0
OR2340	RECT_CLOSED	30	10	0	0
OR2341	RECT_CLOSED	30	10	0	0
OR2342	RECT_CLOSED	30	10	0	0
OR2343	RECT_CLOSED	30	10	0	0
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OR2345	RECT_CLOSED	30	10	0	0
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OR2347	RECT_CLOSED	30	10	0	0
OR2348	RECT_CLOSED	30	10	0	0
OR2349	RECT_CLOSED	30	10	0	0
OR235	CIRCULAR	0.2	0	0	0
OR2350	RECT_CLOSED	30	10	0	0
OR2351	RECT_CLOSED	30	10	0	0
OR2352	RECT_CLOSED	30	10	0	0
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OR2357	RECT_CLOSED	30	10	0	0
OR2358	RECT_CLOSED	30	10	0	0
OR2359	RECT_CLOSED	30	10	0	0
OR236	CIRCULAR	0.2	0	0	0
OR2360	RECT_CLOSED	30	10	0	0
OR2361	RECT_CLOSED	30	10	0	0
OR2362	RECT_CLOSED	30	10	0	0
OR2363	RECT_CLOSED	30	10	0	0
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OR2365	RECT_CLOSED	30	10	0	0
OR2366	RECT_CLOSED	30	10	0	0
OR2367	RECT_CLOSED	30	10	0	0
OR2368	RECT_CLOSED	30	10	0	0
OR2369	RECT_CLOSED	30	10	0	0
OR237	CIRCULAR	0.2	0	0	0
OR2370	RECT_CLOSED	30	10	0	0
OR2371	RECT_CLOSED	30	10	0	0
OR2372	RECT_CLOSED	30	10	0	0
OR2373	RECT_CLOSED	30	10	0	0
OR2374	RECT_CLOSED	30	10	0	0
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OR2377	RECT_CLOSED	30	10	0	0
OR2378	RECT_CLOSED	30	10	0	0
OR2379	RECT_CLOSED	30	10	0	0
OR238	CIRCULAR	0.2	0	0	0
OR2380	RECT_CLOSED	30	10	0	0
OR2381	RECT_CLOSED	30	10	0	0
OR2382	RECT_CLOSED	30	10	0	0
OR2383	RECT_CLOSED	30	10	0	0
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OR2388	RECT_CLOSED	30	10	0	0
OR2389	RECT_CLOSED	30	10	0	0
OR239	CIRCULAR	0.2	0	0	0
OR2390	RECT_CLOSED	30	10	0	0
OR2391	RECT_CLOSED	30	10	0	0
OR2392	RECT_CLOSED	30	10	0	0
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OR2397	RECT_CLOSED	30	10	0	0
OR2398	RECT_CLOSED	30	10	0	0
OR2399	RECT_CLOSED	30	10	0	0
OR24	CIRCULAR	0.25	0	0	0
OR240	CIRCULAR	0.2	0	0	0
OR2400	RECT_CLOSED	30	10	0	0
OR2401	RECT_CLOSED	30	10	0	0
OR2402	RECT_CLOSED	30	10	0	0
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OR2407	RECT_CLOSED	30	10	0	0
OR2408	RECT_CLOSED	30	10	0	0
OR2409	RECT_CLOSED	30	10	0	0
OR241	CIRCULAR	0.2	0	0	0
OR2410	RECT_CLOSED	30	10	0	0
OR2411	RECT_CLOSED	30	10	0	0
OR2412	RECT_CLOSED	30	10	0	0
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OR2419	RECT_CLOSED	30	10	0	0
OR242	CIRCULAR	0.2	0	0	0
OR2420	RECT_CLOSED	30	10	0	0
OR2421	RECT_CLOSED	30	10	0	0
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OR243	CIRCULAR	0.25	0	0	0
OR2430	RECT_CLOSED	30	10	0	0
OR2431	RECT_CLOSED	30	10	0	0
OR2432	RECT_CLOSED	30	10	0	0
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OR2437	RECT_CLOSED	30	10	0	0
OR2438	RECT_CLOSED	30	10	0	0
OR2439	RECT_CLOSED	30	10	0	0
OR244	CIRCULAR	0.25	0	0	0
OR2440	RECT_CLOSED	30	10	0	0
OR2441	RECT_CLOSED	30	10	0	0
OR2442	RECT_CLOSED	30	10	0	0
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OR2445	RECT_CLOSED	30	10	0	0
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OR2447	RECT_CLOSED	30	10	0	0
OR2448	RECT_CLOSED	30	10	0	0
OR2449	RECT_CLOSED	30	10	0	0
OR245	CIRCULAR	0.25	0	0	0
OR2450	RECT_CLOSED	30	10	0	0
OR2451	RECT_CLOSED	30	10	0	0
OR2452	RECT_CLOSED	30	10	0	0
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OR2458	RECT_CLOSED	30	10	0	0
OR2459	RECT_CLOSED	30	10	0	0
OR246	CIRCULAR	0.25	0	0	0
OR2460	RECT_CLOSED	30	10	0	0
OR2461	RECT_CLOSED	30	10	0	0
OR2462	RECT_CLOSED	30	10	0	0
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OR2466	RECT_CLOSED	30	10	0	0
OR2467	RECT_CLOSED	30	10	0	0
OR2468	RECT_CLOSED	30	10	0	0
OR2469	RECT_CLOSED	30	10	0	0
OR247	CIRCULAR	0.3	0	0	0
OR2470	RECT_CLOSED	30	10	0	0
OR2471	RECT_CLOSED	30	10	0	0
OR2472	RECT_CLOSED	30	10	0	0
OR2473	RECT_CLOSED	30	10	0	0
OR2474	RECT_CLOSED	30	10	0	0
OR2475	RECT_CLOSED	30	10	0	0
OR2476	RECT_CLOSED	30	10	0	0
OR2477	RECT_CLOSED	30	10	0	0
OR2478	RECT_CLOSED	30	10	0	0
OR2479	RECT_CLOSED	30	10	0	0
OR248	CIRCULAR	0.2	0	0	0
OR2480	RECT_CLOSED	30	10	0	0
OR2481	RECT_CLOSED	30	10	0	0
OR2482	RECT_CLOSED	30	171.26	0	0
OR2483	RECT_CLOSED	30	10	0	0
OR2484	RECT_CLOSED	30	10	0	0
OR2485	RECT_CLOSED	30	10	0	0
OR2486	RECT_CLOSED	30	10	0	0
OR2487	RECT_CLOSED	30	10	0	0
OR2488	RECT_CLOSED	30	10	0	0
OR2489	RECT_CLOSED	30	10	0	0
OR249	CIRCULAR	0.2	0	0	0
OR2490	RECT_CLOSED	30	10	0	0
OR2491	RECT_CLOSED	30	10	0	0
OR2492	RECT_CLOSED	30	10	0	0
OR2493	RECT_CLOSED	30	10	0	0
OR2494	RECT_CLOSED	30	10	0	0
OR2495	RECT_CLOSED	30	10	0	0
OR2496	RECT_CLOSED	30	10	0	0
OR2497	RECT_CLOSED	30	10	0	0
OR2498	RECT_CLOSED	30	10	0	0
OR2499	RECT_CLOSED	30	10	0	0
OR25	CIRCULAR	0.25	0	0	0
OR250	CIRCULAR	0.2	0	0	0
OR2500	RECT_CLOSED	30	10	0	0
OR2501	RECT_CLOSED	30	10	0	0

OR2502	RECT_CLOSED	30	10	0	0
OR2503	RECT_CLOSED	30	10	0	0
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OR2507	RECT_CLOSED	30	10	0	0
OR2508	RECT_CLOSED	30	10	0	0
OR2509	RECT_CLOSED	30	10	0	0
OR251	CIRCULAR	0.2	0	0	0
OR2510	RECT_CLOSED	30	10	0	0
OR2511	RECT_CLOSED	30	10	0	0
OR2512	RECT_CLOSED	30	10	0	0
OR2513	RECT_CLOSED	30	10	0	0
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OR2517	RECT_CLOSED	30	10	0	0
OR2518	RECT_CLOSED	30	10	0	0
OR2519	RECT_CLOSED	30	10	0	0
OR252	CIRCULAR	0.2	0	0	0
OR2520	RECT_CLOSED	30	10	0	0
OR2521	RECT_CLOSED	30	10	0	0
OR2522	RECT_CLOSED	30	10	0	0
OR2523	RECT_CLOSED	30	10	0	0
OR2524	RECT_CLOSED	30	10	0	0
OR2525	RECT_CLOSED	30	10	0	0
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OR2527	RECT_CLOSED	30	10	0	0
OR2528	RECT_CLOSED	30	10	0	0
OR2529	RECT_CLOSED	30	10	0	0
OR253	CIRCULAR	0.2	0	0	0
OR2530	RECT_CLOSED	30	10	0	0
OR2531	RECT_CLOSED	30	10	0	0
OR2532	RECT_CLOSED	30	10	0	0
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OR2537	RECT_CLOSED	30	10	0	0
OR2538	RECT_CLOSED	30	10	0	0
OR2539	RECT_CLOSED	30	10	0	0
OR254	CIRCULAR	0.2	0	0	0
OR2540	RECT_CLOSED	30	10	0	0
OR2541	RECT_CLOSED	30	10	0	0
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OR2547	RECT_CLOSED	30	10	0	0
OR2548	RECT_CLOSED	30	10	0	0
OR2549	RECT_CLOSED	30	10	0	0
OR255	CIRCULAR	0.2	0	0	0
OR2550	RECT_CLOSED	30	10	0	0
OR2551	RECT_CLOSED	30	10	0	0
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OR2557	RECT_CLOSED	30	10	0	0
OR2558	RECT_CLOSED	30	10	0	0
OR2559	RECT_CLOSED	30	10	0	0
OR256	CIRCULAR	0.2	0	0	0

OR2560	RECT_CLOSED	30	10	0	0
OR2561	RECT_CLOSED	30	10	0	0
OR2562	RECT_CLOSED	30	10	0	0
OR2563	RECT_CLOSED	30	10	0	0
OR2564	RECT_CLOSED	30	10	0	0
OR2565	RECT_CLOSED	30	10	0	0
OR2566	RECT_CLOSED	30	10	0	0
OR2567	RECT_CLOSED	30	10	0	0
OR2568	RECT_CLOSED	30	10	0	0
OR2569	RECT_CLOSED	30	10	0	0
OR257	CIRCULAR	0.2	0	0	0
OR2570	RECT_CLOSED	30	10	0	0
OR2571	RECT_CLOSED	30	10	0	0
OR2572	RECT_CLOSED	30	10	0	0
OR2573	RECT_CLOSED	30	10	0	0
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OR2575	RECT_CLOSED	30	10	0	0
OR2576	RECT_CLOSED	30	10	0	0
OR2577	RECT_CLOSED	30	10	0	0
OR2578	RECT_CLOSED	30	10	0	0
OR2579	RECT_CLOSED	30	10	0	0
OR258	CIRCULAR	0.2	0	0	0
OR2580	RECT_CLOSED	30	10	0	0
OR2581	RECT_CLOSED	30	10	0	0
OR2582	RECT_CLOSED	30	10	0	0
OR2583	RECT_CLOSED	30	10	0	0
OR2584	RECT_CLOSED	30	10	0	0
OR2585	RECT_CLOSED	30	10	0	0
OR2586	RECT_CLOSED	30	10	0	0
OR2587	RECT_CLOSED	30	10	0	0
OR2588	RECT_CLOSED	30	8.49	0	0
OR2589	RECT_CLOSED	30	10	0	0
OR259	CIRCULAR	0.2	0	0	0
OR2590	RECT_CLOSED	30	10	0	0
OR2591	RECT_CLOSED	30	10	0	0
OR2592	RECT_CLOSED	30	10	0	0
OR2593	RECT_CLOSED	30	10	0	0
OR2594	RECT_CLOSED	30	10	0	0
OR2595	RECT_CLOSED	30	10	0	0
OR2596	RECT_CLOSED	30	10	0	0
OR2597	RECT_CLOSED	30	10	0	0
OR2598	RECT_CLOSED	30	10	0	0
OR2599	RECT_CLOSED	30	10	0	0
OR26	CIRCULAR	0.25	0	0	0
OR260	CIRCULAR	0.2	0	0	0
OR2600	RECT_CLOSED	30	10	0	0
OR2601	RECT_CLOSED	30	10	0	0
OR2602	RECT_CLOSED	30	10	0	0
OR2603	RECT_CLOSED	30	10	0	0
OR2604	RECT_CLOSED	30	10	0	0
OR2605	RECT_CLOSED	30	10	0	0
OR2606	RECT_CLOSED	30	10	0	0
OR2607	RECT_CLOSED	30	10	0	0
OR2608	RECT_CLOSED	30	10	0	0
OR2609	RECT_CLOSED	30	10	0	0
OR261	CIRCULAR	0.2	0	0	0
OR2610	RECT_CLOSED	30	10	0	0
OR2611	RECT_CLOSED	30	10	0	0
OR2612	RECT_CLOSED	30	10	0	0
OR2613	RECT_CLOSED	30	10	0	0
OR2614	RECT_CLOSED	30	10	0	0
OR2615	RECT_CLOSED	30	10	0	0
OR2616	RECT_CLOSED	30	10	0	0
OR2617	RECT_CLOSED	30	10	0	0

OR2618	RECT_CLOSED	30	10	0	0
OR2619	RECT_CLOSED	30	10	0	0
OR262	CIRCULAR	0.2	0	0	0
OR2620	RECT_CLOSED	30	10	0	0
OR2621	RECT_CLOSED	30	10	0	0
OR2622	RECT_CLOSED	30	10	0	0
OR2623	RECT_CLOSED	30	10	0	0
OR2624	RECT_CLOSED	30	10	0	0
OR2625	RECT_CLOSED	30	10	0	0
OR2626	RECT_CLOSED	30	10	0	0
OR2627	RECT_CLOSED	30	10	0	0
OR2628	RECT_CLOSED	1	54.69	0	0
OR2629	RECT_CLOSED	1	237.195	0	0
OR263	CIRCULAR	0.2	0	0	0
OR2630	RECT_CLOSED	1.929	237.195	0	0
OR2631	RECT_CLOSED	1	161.5	0	0
OR2632	RECT_CLOSED	1	161.5	0	0
OR2633	RECT_CLOSED	1	78.8	0	0
OR2634	RECT_CLOSED	1	78.8	0	0
OR2635	RECT_CLOSED	1	49.8	0	0
OR2636	RECT_CLOSED	1	49.8	0	0
OR2637	RECT_CLOSED	1	55.97	0	0
OR2638	RECT_CLOSED	1	55.97	0	0
OR264	CIRCULAR	0.2	0	0	0
OR2640	RECT_CLOSED	1	23.59	0	0
OR2641	RECT_CLOSED	1	23.59	0	0
OR2642	RECT_CLOSED	1	23.59	0	0
OR2643	RECT_CLOSED	1	23.59	0	0
OR2644	RECT_CLOSED	1	139.4	0	0
OR2645	RECT_CLOSED	1	139.4	0	0
OR2647	RECT_CLOSED	1	139.4	0	0
OR2648	RECT_CLOSED	1	139.4	0	0
OR2649	RECT_CLOSED	1	11.175	0	0
OR265	CIRCULAR	0.2	0	0	0
OR2650	RECT_CLOSED	1	11.175	0	0
OR2651	RECT_CLOSED	1	11.175	0	0
OR2652	RECT_CLOSED	1	11.175	0	0
OR2653	RECT_CLOSED	1	17.7	0	0
OR2654	RECT_CLOSED	1	17.7	0	0
OR2656	RECT_CLOSED	1	17.7	0	0
OR2657	RECT_CLOSED	1	86.185	0	0
OR2658	RECT_CLOSED	1	86.185	0	0
OR2659	RECT_CLOSED	1	17.7	0	0
OR266	CIRCULAR	0.2	0	0	0
OR2661	RECT_CLOSED	1	86.185	0	0
OR2662	RECT_CLOSED	1	69.035	0	0
OR2663	RECT_CLOSED	1	69.035	0	0
OR2664	RECT_CLOSED	1	86.185	0	0
OR2665	RECT_CLOSED	1	69.035	0	0
OR2666	RECT_CLOSED	1	90.851	0	0
OR2667	RECT_CLOSED	1	91.31	0	0
OR2668	RECT_CLOSED	1	69.035	0	0
OR2669	RECT_CLOSED	1	20.535	0	0
OR267	CIRCULAR	0.2	0	0	0
OR2670	RECT_CLOSED	1	101.715	0	0
OR2671	RECT_CLOSED	1	101.715	0	0
OR2672	RECT_CLOSED	1	20.535	0	0
OR2673	RECT_CLOSED	1	101.715	0	0
OR2674	RECT_CLOSED	1	67.62	0	0
OR2675	RECT_CLOSED	1	67.62	0	0
OR2676	RECT_CLOSED	1	101.715	0	0
OR2677	RECT_CLOSED	1	67.62	0	0
OR2678	RECT_CLOSED	1	91.11	0	0
OR2679	RECT_CLOSED	1	91.11	0	0

OR268	CIRCULAR	0.2	0	0	0
OR2680	RECT_CLOSED	1	91.11	0	0
OR2681	RECT_CLOSED	1	67.62	0	0
OR2682	RECT_CLOSED	1	91.11	0	0
OR2683	RECT_CLOSED	1	70.6	0	0
OR2684	RECT_CLOSED	1	70.6	0	0
OR2685	RECT_CLOSED	1	70.6	0	0
OR2686	RECT_CLOSED	1	19.35	0	0
OR2687	RECT_CLOSED	1	19.35	0	0
OR2688	RECT_CLOSED	1	70.6	0	0
OR2689	RECT_CLOSED	1	19.35	0	0
OR269	CIRCULAR	0.2	0	0	0
OR2690	RECT_CLOSED	1	23.845	0	0
OR2691	RECT_CLOSED	1	23.845	0	0
OR2692	RECT_CLOSED	1	19.35	0	0
OR2693	RECT_CLOSED	1	23.845	0	0
OR2694	RECT_CLOSED	1	30.62	0	0
OR2695	RECT_CLOSED	1	30.62	0	0
OR2696	RECT_CLOSED	1	23.845	0	0
OR2697	RECT_CLOSED	1	30.62	0	0
OR2698	RECT_CLOSED	1	30.62	0	0
OR2699	RECT_CLOSED	1	28.8	0	0
OR27	CIRCULAR	0.25	0	0	0
OR270	CIRCULAR	0.2	0	0	0
OR2700	RECT_CLOSED	1	28.8	0	0
OR2701	RECT_CLOSED	1	121.395	0	0
OR2702	RECT_CLOSED	1	121.395	0	0
OR2703	RECT_CLOSED	1	148.565	0	0
OR2704	RECT_CLOSED	1	92.595	0	0
OR2705	RECT_CLOSED	1	38.295	0	0
OR2706	RECT_CLOSED	1	38.295	0	0
OR2707	RECT_CLOSED	1	92.595	0	0
OR2708	RECT_CLOSED	1	38.295	0	0
OR2709	RECT_CLOSED	1	38.295	0	0
OR271	CIRCULAR	0.2	0	0	0
OR2710	RECT_CLOSED	1	38.425	0	0
OR2711	RECT_CLOSED	1	38.425	0	0
OR2712	RECT_CLOSED	1	38.425	0	0
OR2713	RECT_CLOSED	1	39.325	0	0
OR2714	RECT_CLOSED	1	20.6	0	0
OR2715	RECT_CLOSED	1	20.6	0	0
OR2716	RECT_CLOSED	1	20.6	0	0
OR2717	RECT_CLOSED	1	64.6	0	0
OR2718	RECT_CLOSED	1	64.6	0	0
OR2719	RECT_CLOSED	1	20.6	0	0
OR272	CIRCULAR	0.2	0	0	0
OR2720	RECT_CLOSED	1	64.6	0	0
OR2721	RECT_CLOSED	1	64.6	0	0
OR2722	RECT_CLOSED	1	51	0	0
OR2723	RECT_CLOSED	1	51	0	0
OR2724	RECT_CLOSED	1	48.505	0	0
OR2725	RECT_CLOSED	1	48.505	0	0
OR2726	RECT_CLOSED	1	52.855	0	0
OR2727	RECT_CLOSED	1	52.855	0	0
OR2728	RECT_CLOSED	1	52.855	0	0
OR2729	RECT_CLOSED	1	52.855	0	0
OR273	CIRCULAR	0.2	0	0	0
OR2730	RECT_CLOSED	1	17.825	0	0
OR2731	RECT_CLOSED	1	17.825	0	0
OR2732	RECT_CLOSED	1	24.565	0	0
OR2733	RECT_CLOSED	1	24.565	0	0
OR2734	RECT_CLOSED	1	42.41	0	0
OR2735	RECT_CLOSED	1	42.41	0	0
OR2736	RECT_CLOSED	1	35.67	0	0

OR2737	RECT_CLOSED	1	35.67	0	0
OR2738	RECT_CLOSED	1	189.71	0	0
OR2739	RECT_CLOSED	1	189.71	0	0
OR274	CIRCULAR	0.15	0	0	0
OR2740	RECT_CLOSED	1	157.535	0	0
OR2741	RECT_CLOSED	1	157.535	0	0
OR2742	RECT_CLOSED	1	142.555	0	0
OR2743	RECT_CLOSED	1	142.54	0	0
OR2744	RECT_CLOSED	1	71.46	0	0
OR2745	RECT_CLOSED	1	71.46	0	0
OR2746	RECT_CLOSED	1	18.83	0	0
OR2747	RECT_CLOSED	1	18.83	0	0
OR2748	RECT_CLOSED	1	29.155	0	0
OR2749	RECT_CLOSED	1	29.155	0	0
OR275	CIRCULAR	0.15	0	0	0
OR2750	RECT_CLOSED	1	103.58	0	0
OR2751	RECT_CLOSED	1	103.58	0	0
OR2752	RECT_CLOSED	1	149.48	0	0
OR2753	RECT_CLOSED	1	149.48	0	0
OR2754	RECT_CLOSED	1	75.055	0	0
OR2755	RECT_CLOSED	1	55.545	0	0
OR2756	RECT_CLOSED	1	55.545	0	0
OR2757	RECT_CLOSED	1	103.665	0	0
OR2758	RECT_CLOSED	1	103.665	0	0
OR2759	RECT_CLOSED	1	48.12	0	0
OR276	CIRCULAR	0.2	0	0	0
OR2760	RECT_CLOSED	1	48.12	0	0
OR2761	RECT_CLOSED	1	6.18	0	0
OR2762	RECT_CLOSED	1	6.18	0	0
OR2763	RECT_CLOSED	1	6.18	0	0
OR2764	RECT_CLOSED	1	6.18	0	0
OR2765	RECT_CLOSED	1	16.89	0	0
OR2766	RECT_CLOSED	1	16.89	0	0
OR2767	RECT_CLOSED	1	16.89	0	0
OR2768	RECT_CLOSED	1	16.89	0	0
OR2769	RECT_CLOSED	1	15.91	0	0
OR277	CIRCULAR	0.2	0	0	0
OR2770	RECT_CLOSED	1	15.91	0	0
OR2771	RECT_CLOSED	1	15.91	0	0
OR2772	RECT_CLOSED	1	15.91	0	0
OR2773	RECT_CLOSED	1	24.02	0	0
OR2774	RECT_CLOSED	1	24.02	0	0
OR2775	RECT_CLOSED	1	24.02	0	0
OR2776	RECT_CLOSED	1	24.02	0	0
OR2777	RECT_CLOSED	1	10.93	0	0
OR2778	RECT_CLOSED	1	10.93	0	0
OR2779	RECT_CLOSED	1	10.93	0	0
OR278	CIRCULAR	0.2	0	0	0
OR2780	RECT_CLOSED	1	9.425	0	0
OR2781	RECT_CLOSED	1	9.425	0	0
OR2782	RECT_CLOSED	1	10.93	0	0
OR2783	RECT_CLOSED	1	9.425	0	0
OR2784	RECT_CLOSED	1	17.015	0	0
OR2785	RECT_CLOSED	1	9.425	0	0
OR2786	RECT_CLOSED	1	17.015	0	0
OR2787	RECT_CLOSED	1	17.015	0	0
OR2788	RECT_CLOSED	1	17.015	0	0
OR2789	RECT_CLOSED	1	8.03	0	0
OR279	CIRCULAR	0.2	0	0	0
OR2790	RECT_CLOSED	1	8.03	0	0
OR2791	RECT_CLOSED	1	8.03	0	0
OR2792	RECT_CLOSED	1	8.03	0	0
OR2793	RECT_CLOSED	1	32.315	0	0
OR2794	RECT_CLOSED	1	32.315	0	0

OR2795	RECT_CLOSED	1	32.315	0	0
OR2796	RECT_CLOSED	1	14.48	0	0
OR2797	RECT_CLOSED	1	14.48	0	0
OR2798	RECT_CLOSED	1	32.315	0	0
OR2799	RECT_CLOSED	1	14.48	0	0
OR28	CIRCULAR	0.25	0	0	0
OR280	CIRCULAR	0.2	0	0	0
OR2800	RECT_CLOSED	1	14.455	0	0
OR2801	RECT_CLOSED	1	14.455	0	0
OR2802	RECT_CLOSED	1	14.48	0	0
OR2803	RECT_CLOSED	1	14.455	0	0
OR2804	RECT_CLOSED	1	17.89	0	0
OR2805	RECT_CLOSED	1	17.89	0	0
OR2806	RECT_CLOSED	1	14.455	0	0
OR2807	RECT_CLOSED	1	17.89	0	0
OR2808	RECT_CLOSED	1	17.89	0	0
OR2809	RECT_CLOSED	1	11.14	0	0
OR281	CIRCULAR	0.2	0	0	0
OR2810	RECT_CLOSED	1	11.14	0	0
OR2811	RECT_CLOSED	1	11.14	0	0
OR2812	RECT_CLOSED	1	6.365	0	0
OR2813	RECT_CLOSED	1	6.365	0	0
OR2814	RECT_CLOSED	1	11.295	0	0
OR2815	RECT_CLOSED	1	11.295	0	0
OR2816	RECT_CLOSED	1	5.97	0	0
OR2817	RECT_CLOSED	1	5.97	0	0
OR2818	RECT_CLOSED	1	11.295	0	0
OR2819	RECT_CLOSED	1	11.295	0	0
OR282	CIRCULAR	0.2	0	0	0
OR2820	RECT_CLOSED	1	6.365	0	0
OR2821	RECT_CLOSED	1	6.365	0	0
OR2822	RECT_CLOSED	1	11.14	0	0
OR2823	RECT_CLOSED	1	5.97	0	0
OR2824	RECT_CLOSED	1	5.97	0	0
OR2825	RECT_CLOSED	1	11.97	0	0
OR2826	RECT_CLOSED	1	11.97	0	0
OR2827	RECT_CLOSED	1	11.97	0	0
OR2828	RECT_CLOSED	1	11.97	0	0
OR2829	RECT_CLOSED	1	8.225	0	0
OR283	CIRCULAR	0.2	0	0	0
OR2830	RECT_CLOSED	1	8.225	0	0
OR2831	RECT_CLOSED	1	8.225	0	0
OR2832	RECT_CLOSED	1	8.225	0	0
OR2833	RECT_CLOSED	1	5	0	0
OR2834	RECT_CLOSED	1	5	0	0
OR2835	RECT_CLOSED	1	5	0	0
OR2836	RECT_CLOSED	1	5	0	0
OR2837	RECT_CLOSED	30	10	0	0
OR2838	RECT_CLOSED	30	10	0	0
OR2839	RECT_CLOSED	30	10	0	0
OR284	CIRCULAR	0.2	0	0	0
OR2840	RECT_CLOSED	30	10	0	0
OR2841	RECT_CLOSED	30	10	0	0
OR2842	RECT_CLOSED	30	10	0	0
OR2843	RECT_CLOSED	30	10	0	0
OR2844	RECT_CLOSED	30	10	0	0
OR2845	RECT_CLOSED	30	10	0	0
OR2846	RECT_CLOSED	30	10	0	0
OR2847	RECT_CLOSED	30	10	0	0
OR2848	RECT_CLOSED	30	10	0	0
OR2849	CIRCULAR	0.2	0	0	0
OR285	CIRCULAR	0.2	0	0	0
OR2850	CIRCULAR	0.2	0	0	0
OR2851	CIRCULAR	0.2	0	0	0

OR2852	CIRCULAR	0.2	0	0	0
OR2853	CIRCULAR	0.2	0	0	0
OR2854	CIRCULAR	0.2	0	0	0
OR2855	CIRCULAR	0.2	0	0	0
OR2856	CIRCULAR	0.2	0	0	0
OR2857	CIRCULAR	0.2	0	0	0
OR2858	CIRCULAR	0.2	0	0	0
OR2859	CIRCULAR	0.2	0	0	0
OR286	CIRCULAR	0.2	0	0	0
OR2860	CIRCULAR	0.2	0	0	0
OR2861	CIRCULAR	0.2	0	0	0
OR2862	CIRCULAR	0.2	0	0	0
OR2863	CIRCULAR	0.2	0	0	0
OR2864	CIRCULAR	0.2	0	0	0
OR2865	CIRCULAR	0.2	0	0	0
OR2866	CIRCULAR	0.2	0	0	0
OR2867	CIRCULAR	0.2	0	0	0
OR2868	CIRCULAR	0.2	0	0	0
OR2869	CIRCULAR	0.2	0	0	0
OR287	CIRCULAR	0.2	0	0	0
OR2870	CIRCULAR	0.2	0	0	0
OR2871	CIRCULAR	0.2	0	0	0
OR2872	CIRCULAR	0.2	0	0	0
OR2873	CIRCULAR	0.2	0	0	0
OR2874	CIRCULAR	0.2	0	0	0
OR2875	CIRCULAR	0.2	0	0	0
OR2876	CIRCULAR	0.2	0	0	0
OR2877	RECT_CLOSED	30	10	0	0
OR2878	CIRCULAR	0.2	0	0	0
OR2879	CIRCULAR	0.2	0	0	0
OR288	CIRCULAR	0.2	0	0	0
OR2880	RECT_CLOSED	30	10	0	0
OR2881	RECT_CLOSED	30	10	0	0
OR2882	RECT_CLOSED	30	10	0	0
OR2883	RECT_CLOSED	30	10	0	0
OR2884	RECT_CLOSED	30	10	0	0
OR2885	RECT_CLOSED	30	10	0	0
OR2886	RECT_CLOSED	30	10	0	0
OR2887	RECT_CLOSED	30	10	0	0
OR2888	RECT_CLOSED	30	10	0	0
OR2889	RECT_CLOSED	30	10	0	0
OR289	CIRCULAR	0.2	0	0	0
OR2890	RECT_CLOSED	30	10	0	0
OR2891	RECT_CLOSED	30	10	0	0
OR2892	RECT_CLOSED	30	10	0	0
OR2893	RECT_CLOSED	30	10	0	0
OR2894	RECT_CLOSED	30	10	0	0
OR2895	RECT_CLOSED	30	10	0	0
OR2896	RECT_CLOSED	30	10	0	0
OR2897	RECT_CLOSED	30	10	0	0
OR2898	RECT_CLOSED	30	10	0	0
OR2899	RECT_CLOSED	30	10	0	0
OR29	CIRCULAR	0.25	0	0	0
OR290	CIRCULAR	0.2	0	0	0
OR2900	RECT_CLOSED	30	10	0	0
OR2901	RECT_CLOSED	30	10	0	0
OR2902	RECT_CLOSED	30	10	0	0
OR2903	RECT_CLOSED	30	10	0	0
OR2904	RECT_CLOSED	30	10	0	0
OR2905	RECT_CLOSED	30	10	0	0
OR2906	RECT_CLOSED	30	10	0	0
OR2907	RECT_CLOSED	30	10	0	0
OR2908	RECT_CLOSED	30	10	0	0
OR291	CIRCULAR	0.2	0	0	0

OR292	CIRCULAR	0.2	0	0	0
OR293	CIRCULAR	0.2	0	0	0
OR294	CIRCULAR	0.2	0	0	0
OR295	CIRCULAR	0.2	0	0	0
OR296	CIRCULAR	0.2	0	0	0
OR297	CIRCULAR	0.2	0	0	0
OR298	CIRCULAR	0.2	0	0	0
OR299	CIRCULAR	0.2	0	0	0
OR3	CIRCULAR	0.1	0	0	0
OR30	CIRCULAR	0.25	0	0	0
OR300	CIRCULAR	0.2	0	0	0
OR301	CIRCULAR	0.2	0	0	0
OR302	CIRCULAR	0.2	0	0	0
OR303	CIRCULAR	0.2	0	0	0
OR304	CIRCULAR	0.2	0	0	0
OR305	CIRCULAR	0.2	0	0	0
OR306	CIRCULAR	0.2	0	0	0
OR307	CIRCULAR	0.2	0	0	0
OR308	CIRCULAR	0.2	0	0	0
OR309	CIRCULAR	0.2	0	0	0
OR31	CIRCULAR	0.25	0	0	0
OR310	CIRCULAR	0.2	0	0	0
OR311	CIRCULAR	0.2	0	0	0
OR312	CIRCULAR	0.2	0	0	0
OR313	CIRCULAR	0.2	0	0	0
OR314	CIRCULAR	0.2	0	0	0
OR315	CIRCULAR	0.2	0	0	0
OR316	CIRCULAR	0.25	0	0	0
OR317	CIRCULAR	0.25	0	0	0
OR318	CIRCULAR	0.25	0	0	0
OR319	CIRCULAR	0.25	0	0	0
OR32	CIRCULAR	0.25	0	0	0
OR320	CIRCULAR	0.3	0	0	0
OR321	CIRCULAR	0.25	0	0	0
OR322	CIRCULAR	0.25	0	0	0
OR323	CIRCULAR	0.25	0	0	0
OR324	CIRCULAR	0.2	0	0	0
OR325	CIRCULAR	0.2	0	0	0
OR326	CIRCULAR	0.2	0	0	0
OR327	CIRCULAR	0.2	0	0	0
OR328	CIRCULAR	0.2	0	0	0
OR329	CIRCULAR	0.2	0	0	0
OR33	CIRCULAR	0.25	0	0	0
OR330	CIRCULAR	0.2	0	0	0
OR331	CIRCULAR	0.2	0	0	0
OR332	CIRCULAR	0.2	0	0	0
OR333	CIRCULAR	0.25	0	0	0
OR334	CIRCULAR	0.25	0	0	0
OR335	CIRCULAR	0.25	0	0	0
OR336	CIRCULAR	0.25	0	0	0
OR337	CIRCULAR	0.25	0	0	0
OR338	CIRCULAR	0.25	0	0	0
OR339	CIRCULAR	0.25	0	0	0
OR34	CIRCULAR	0.25	0	0	0
OR340	CIRCULAR	0.25	0	0	0
OR341	CIRCULAR	0.2	0	0	0
OR342	CIRCULAR	0.2	0	0	0
OR343	CIRCULAR	0.25	0	0	0
OR344	CIRCULAR	0.2	0	0	0
OR3449	CIRCULAR	0.25	0	0	0
OR345	CIRCULAR	0.2	0	0	0
OR346	CIRCULAR	0.2	0	0	0
OR347	CIRCULAR	0.2	0	0	0
OR348	CIRCULAR	0.2	0	0	0

OR349	CIRCULAR	0.2	0	0	0
OR35	CIRCULAR	0.25	0	0	0
OR350	CIRCULAR	0.2	0	0	0
OR351	CIRCULAR	0.2	0	0	0
OR352	CIRCULAR	0.2	0	0	0
OR353	CIRCULAR	0.2	0	0	0
OR354	CIRCULAR	0.2	0	0	0
OR355	CIRCULAR	0.2	0	0	0
OR356	CIRCULAR	0.2	0	0	0
OR357	CIRCULAR	0.2	0	0	0
OR358	CIRCULAR	0.2	0	0	0
OR359	CIRCULAR	0.2	0	0	0
OR36	CIRCULAR	0.25	0	0	0
OR360	CIRCULAR	0.2	0	0	0
OR361	CIRCULAR	0.2	0	0	0
OR362	CIRCULAR	0.2	0	0	0
OR363	CIRCULAR	0.2	0	0	0
OR364	CIRCULAR	0.2	0	0	0
OR365	CIRCULAR	0.2	0	0	0
OR366	CIRCULAR	0.2	0	0	0
OR367	CIRCULAR	0.2	0	0	0
OR368	CIRCULAR	0.2	0	0	0
OR369	CIRCULAR	0.2	0	0	0
OR37	CIRCULAR	0.25	0	0	0
OR370	CIRCULAR	0.2	0	0	0
OR371	CIRCULAR	0.2	0	0	0
OR372	CIRCULAR	0.2	0	0	0
OR373	CIRCULAR	0.2	0	0	0
OR374	CIRCULAR	0.2	0	0	0
OR375	CIRCULAR	0.2	0	0	0
OR376	CIRCULAR	0.2	0	0	0
OR377	CIRCULAR	0.2	0	0	0
OR378	CIRCULAR	0.2	0	0	0
OR379	CIRCULAR	0.2	0	0	0
OR38	CIRCULAR	0.25	0	0	0
OR380	CIRCULAR	0.2	0	0	0
OR381	CIRCULAR	0.2	0	0	0
OR382	CIRCULAR	0.2	0	0	0
OR383	CIRCULAR	0.2	0	0	0
OR384	CIRCULAR	0.2	0	0	0
OR385	CIRCULAR	0.25	0	0	0
OR386	CIRCULAR	0.2	0	0	0
OR387	CIRCULAR	0.2	0	0	0
OR388	CIRCULAR	0.2	0	0	0
OR389	CIRCULAR	0.2	0	0	0
OR39	CIRCULAR	0.25	0	0	0
OR390	CIRCULAR	0.2	0	0	0
OR391	CIRCULAR	0.2	0	0	0
OR392	CIRCULAR	0.2	0	0	0
OR393	CIRCULAR	0.2	0	0	0
OR394	CIRCULAR	0.2	0	0	0
OR395	CIRCULAR	0.2	0	0	0
OR396	CIRCULAR	0.2	0	0	0
OR397	CIRCULAR	0.2	0	0	0
OR398	CIRCULAR	0.2	0	0	0
OR399	CIRCULAR	0.2	0	0	0
OR4	CIRCULAR	0.25	0	0	0
OR40	CIRCULAR	0.25	0	0	0
OR400	CIRCULAR	0.2	0	0	0
OR401	CIRCULAR	0.2	0	0	0
OR402	CIRCULAR	0.2	0	0	0
OR403	CIRCULAR	0.25	0	0	0
OR404	CIRCULAR	0.2	0	0	0
OR405	CIRCULAR	0.2	0	0	0

OR406	CIRCULAR	0.2	0	0	0
OR407	CIRCULAR	0.2	0	0	0
OR408	CIRCULAR	0.2	0	0	0
OR409	CIRCULAR	0.2	0	0	0
OR41	CIRCULAR	0.25	0	0	0
OR410	CIRCULAR	0.2	0	0	0
OR411	CIRCULAR	0.2	0	0	0
OR412	CIRCULAR	0.2	0	0	0
OR413	CIRCULAR	0.2	0	0	0
OR414	CIRCULAR	0.2	0	0	0
OR415	CIRCULAR	0.2	0	0	0
OR416	CIRCULAR	0.2	0	0	0
OR417	CIRCULAR	0.2	0	0	0
OR418	CIRCULAR	0.2	0	0	0
OR419	CIRCULAR	0.2	0	0	0
OR42	CIRCULAR	0.25	0	0	0
OR420	CIRCULAR	0.2	0	0	0
OR421	CIRCULAR	0.2	0	0	0
OR422	CIRCULAR	0.2	0	0	0
OR423	CIRCULAR	0.2	0	0	0
OR424	CIRCULAR	0.2	0	0	0
OR425	CIRCULAR	0.2	0	0	0
OR426	CIRCULAR	0.2	0	0	0
OR427	CIRCULAR	0.2	0	0	0
OR428	CIRCULAR	0.2	0	0	0
OR429	CIRCULAR	0.2	0	0	0
OR43	CIRCULAR	0.2	0	0	0
OR430	CIRCULAR	0.2	0	0	0
OR431	CIRCULAR	0.25	0	0	0
OR432	CIRCULAR	0.25	0	0	0
OR433	CIRCULAR	0.3	0	0	0
OR434	CIRCULAR	0.25	0	0	0
OR435	CIRCULAR	0.25	0	0	0
OR436	CIRCULAR	0.2	0	0	0
OR437	CIRCULAR	0.2	0	0	0
OR438	CIRCULAR	0.2	0	0	0
OR439	CIRCULAR	0.2	0	0	0
OR44	CIRCULAR	0.2	0	0	0
OR440	CIRCULAR	0.2	0	0	0
OR441	CIRCULAR	0.2	0	0	0
OR442	CIRCULAR	0.2	0	0	0
OR443	CIRCULAR	0.2	0	0	0
OR444	CIRCULAR	0.2	0	0	0
OR445	CIRCULAR	0.2	0	0	0
OR446	CIRCULAR	0.2	0	0	0
OR447	CIRCULAR	0.2	0	0	0
OR448	CIRCULAR	0.2	0	0	0
OR449	CIRCULAR	0.25	0	0	0
OR45	CIRCULAR	0.25	0	0	0
OR450	CIRCULAR	0.25	0	0	0
OR451	CIRCULAR	0.25	0	0	0
OR452	CIRCULAR	0.2	0	0	0
OR453	CIRCULAR	0.2	0	0	0
OR454	CIRCULAR	0.2	0	0	0
OR455	CIRCULAR	0.2	0	0	0
OR456	CIRCULAR	0.2	0	0	0
OR457	CIRCULAR	0.2	0	0	0
OR458	CIRCULAR	0.2	0	0	0
OR459	CIRCULAR	0.2	0	0	0
OR46	CIRCULAR	0.25	0	0	0
OR460	CIRCULAR	0.2	0	0	0
OR461	CIRCULAR	0.2	0	0	0
OR462	CIRCULAR	0.2	0	0	0
OR463	CIRCULAR	0.2	0	0	0

OR464	CIRCULAR	0.25	0	0	0
OR465	CIRCULAR	0.25	0	0	0
OR466	CIRCULAR	0.2	0	0	0
OR467	CIRCULAR	0.2	0	0	0
OR468	CIRCULAR	0.2	0	0	0
OR469	CIRCULAR	0.2	0	0	0
OR47	CIRCULAR	0.25	0	0	0
OR470	CIRCULAR	0.2	0	0	0
OR471	CIRCULAR	0.2	0	0	0
OR472	CIRCULAR	0.2	0	0	0
OR473	CIRCULAR	0.2	0	0	0
OR474	CIRCULAR	0.2	0	0	0
OR475	CIRCULAR	0.2	0	0	0
OR476	CIRCULAR	0.2	0	0	0
OR477	CIRCULAR	0.2	0	0	0
OR478	CIRCULAR	0.2	0	0	0
OR479	CIRCULAR	0.2	0	0	0
OR48	CIRCULAR	0.25	0	0	0
OR480	CIRCULAR	0.2	0	0	0
OR481	CIRCULAR	0.2	0	0	0
OR482	CIRCULAR	0.2	0	0	0
OR483	CIRCULAR	0.2	0	0	0
OR484	CIRCULAR	0.2	0	0	0
OR485	CIRCULAR	0.2	0	0	0
OR486	CIRCULAR	0.2	0	0	0
OR487	CIRCULAR	0.2	0	0	0
OR488	CIRCULAR	0.2	0	0	0
OR489	CIRCULAR	0.2	0	0	0
OR49	CIRCULAR	0.25	0	0	0
OR490	CIRCULAR	0.2	0	0	0
OR491	CIRCULAR	0.2	0	0	0
OR492	CIRCULAR	0.2	0	0	0
OR493	CIRCULAR	0.25	0	0	0
OR494	CIRCULAR	0.2	0	0	0
OR495	CIRCULAR	0.2	0	0	0
OR496	CIRCULAR	0.2	0	0	0
OR497	CIRCULAR	0.2	0	0	0
OR498	CIRCULAR	0.2	0	0	0
OR499	CIRCULAR	0.2	0	0	0
OR5	CIRCULAR	0.15	0	0	0
OR50	CIRCULAR	0.25	0	0	0
OR500	CIRCULAR	0.2	0	0	0
OR501	CIRCULAR	0.2	0	0	0
OR502	CIRCULAR	0.2	0	0	0
OR503	CIRCULAR	0.2	0	0	0
OR504	CIRCULAR	0.2	0	0	0
OR505	CIRCULAR	0.2	0	0	0
OR506	CIRCULAR	0.2	0	0	0
OR507	CIRCULAR	0.2	0	0	0
OR508	CIRCULAR	0.2	0	0	0
OR509	CIRCULAR	0.2	0	0	0
OR51	CIRCULAR	0.25	0	0	0
OR510	CIRCULAR	0.2	0	0	0
OR511	CIRCULAR	0.2	0	0	0
OR512	CIRCULAR	0.2	0	0	0
OR513	CIRCULAR	0.2	0	0	0
OR514	CIRCULAR	0.2	0	0	0
OR515	CIRCULAR	0.2	0	0	0
OR516	CIRCULAR	0.2	0	0	0
OR517	CIRCULAR	0.2	0	0	0
OR518	CIRCULAR	0.2	0	0	0
OR519	CIRCULAR	0.2	0	0	0
OR52	CIRCULAR	0.25	0	0	0
OR520	CIRCULAR	0.2	0	0	0

OR521	CIRCULAR	0.2	0	0	0
OR522	CIRCULAR	0.2	0	0	0
OR523	CIRCULAR	0.2	0	0	0
OR524	CIRCULAR	0.2	0	0	0
OR525	CIRCULAR	0.2	0	0	0
OR526	CIRCULAR	0.2	0	0	0
OR527	CIRCULAR	0.2	0	0	0
OR528	CIRCULAR	0.2	0	0	0
OR529	CIRCULAR	0.2	0	0	0
OR53	CIRCULAR	0.2	0	0	0
OR530	CIRCULAR	0.2	0	0	0
OR531	CIRCULAR	0.2	0	0	0
OR532	CIRCULAR	0.2	0	0	0
OR533	CIRCULAR	0.2	0	0	0
OR534	CIRCULAR	0.2	0	0	0
OR535	CIRCULAR	0.2	0	0	0
OR536	CIRCULAR	0.2	0	0	0
OR537	CIRCULAR	0.2	0	0	0
OR538	CIRCULAR	0.2	0	0	0
OR539	CIRCULAR	0.2	0	0	0
OR54	CIRCULAR	0.25	0	0	0
OR540	CIRCULAR	0.25	0	0	0
OR541	CIRCULAR	0.25	0	0	0
OR542	CIRCULAR	0.25	0	0	0
OR543	CIRCULAR	0.25	0	0	0
OR544	CIRCULAR	0.2	0	0	0
OR545	CIRCULAR	0.2	0	0	0
OR546	CIRCULAR	0.2	0	0	0
OR547	CIRCULAR	0.2	0	0	0
OR548	CIRCULAR	0.2	0	0	0
OR549	CIRCULAR	0.2	0	0	0
OR55	CIRCULAR	0.25	0	0	0
OR550	CIRCULAR	0.2	0	0	0
OR551	CIRCULAR	0.2	0	0	0
OR552	CIRCULAR	0.2	0	0	0
OR553	CIRCULAR	0.2	0	0	0
OR554	CIRCULAR	0.2	0	0	0
OR555	CIRCULAR	0.2	0	0	0
OR556	CIRCULAR	0.2	0	0	0
OR557	CIRCULAR	0.2	0	0	0
OR558	CIRCULAR	0.2	0	0	0
OR559	CIRCULAR	0.2	0	0	0
OR56	CIRCULAR	0.2	0	0	0
OR560	CIRCULAR	0.2	0	0	0
OR561	CIRCULAR	0.2	0	0	0
OR562	CIRCULAR	0.2	0	0	0
OR563	CIRCULAR	0.2	0	0	0
OR564	CIRCULAR	0.2	0	0	0
OR565	CIRCULAR	0.2	0	0	0
OR566	CIRCULAR	0.2	0	0	0
OR567	CIRCULAR	0.2	0	0	0
OR568	CIRCULAR	0.2	0	0	0
OR569	CIRCULAR	0.2	0	0	0
OR57	CIRCULAR	0.25	0	0	0
OR570	CIRCULAR	0.25	0	0	0
OR571	CIRCULAR	0.2	0	0	0
OR572	CIRCULAR	0.2	0	0	0
OR573	CIRCULAR	0.2	0	0	0
OR574	CIRCULAR	0.2	0	0	0
OR575	CIRCULAR	0.2	0	0	0
OR576	CIRCULAR	0.2	0	0	0
OR577	CIRCULAR	0.2	0	0	0
OR578	CIRCULAR	0.2	0	0	0
OR579	CIRCULAR	0.2	0	0	0

OR58	CIRCULAR	0.2	0	0	0
OR580	CIRCULAR	0.2	0	0	0
OR581	CIRCULAR	0.2	0	0	0
OR582	CIRCULAR	0.2	0	0	0
OR583	CIRCULAR	0.2	0	0	0
OR584	CIRCULAR	0.2	0	0	0
OR585	CIRCULAR	0.2	0	0	0
OR586	CIRCULAR	0.2	0	0	0
OR587	CIRCULAR	0.2	0	0	0
OR588	CIRCULAR	0.2	0	0	0
OR589	CIRCULAR	0.2	0	0	0
OR59	CIRCULAR	0.25	0	0	0
OR590	CIRCULAR	0.2	0	0	0
OR591	CIRCULAR	0.2	0	0	0
OR592	CIRCULAR	0.2	0	0	0
OR593	CIRCULAR	0.2	0	0	0
OR594	CIRCULAR	0.2	0	0	0
OR595	CIRCULAR	0.2	0	0	0
OR596	CIRCULAR	0.2	0	0	0
OR597	CIRCULAR	0.2	0	0	0
OR598	CIRCULAR	0.2	0	0	0
OR599	CIRCULAR	0.2	0	0	0
OR6	CIRCULAR	0.25	0	0	0
OR60	CIRCULAR	0.25	0	0	0
OR600	CIRCULAR	0.2	0	0	0
OR601	CIRCULAR	0.2	0	0	0
OR602	CIRCULAR	0.2	0	0	0
OR603	CIRCULAR	0.2	0	0	0
OR604	CIRCULAR	0.2	0	0	0
OR605	CIRCULAR	0.2	0	0	0
OR606	CIRCULAR	0.2	0	0	0
OR607	CIRCULAR	0.2	0	0	0
OR608	CIRCULAR	0.2	0	0	0
OR609	CIRCULAR	0.2	0	0	0
OR61	CIRCULAR	0.2	0	0	0
OR610	CIRCULAR	0.2	0	0	0
OR611	CIRCULAR	0.2	0	0	0
OR612	CIRCULAR	0.2	0	0	0
OR613	CIRCULAR	0.2	0	0	0
OR614	CIRCULAR	0.2	0	0	0
OR615	CIRCULAR	0.2	0	0	0
OR616	CIRCULAR	0.2	0	0	0
OR617	CIRCULAR	0.2	0	0	0
OR618	CIRCULAR	0.2	0	0	0
OR619	CIRCULAR	0.2	0	0	0
OR62	CIRCULAR	0.2	0	0	0
OR620	CIRCULAR	0.2	0	0	0
OR621	CIRCULAR	0.2	0	0	0
OR622	CIRCULAR	0.25	0	0	0
OR623	CIRCULAR	0.25	0	0	0
OR624	CIRCULAR	0.2	0	0	0
OR625	CIRCULAR	0.2	0	0	0
OR626	CIRCULAR	0.2	0	0	0
OR627	CIRCULAR	0.2	0	0	0
OR628	CIRCULAR	0.25	0	0	0
OR629	CIRCULAR	0.2	0	0	0
OR63	CIRCULAR	0.2	0	0	0
OR630	CIRCULAR	0.2	0	0	0
OR631	CIRCULAR	0.2	0	0	0
OR632	CIRCULAR	0.2	0	0	0
OR633	CIRCULAR	0.25	0	0	0
OR634	CIRCULAR	0.25	0	0	0
OR635	CIRCULAR	0.2	0	0	0
OR636	CIRCULAR	0.2	0	0	0

OR637	CIRCULAR	0.25	0	0	0
OR638	CIRCULAR	0.2	0	0	0
OR639	CIRCULAR	0.2	0	0	0
OR64	CIRCULAR	0.2	0	0	0
OR641	CIRCULAR	0.2	0	0	0
OR642	CIRCULAR	0.2	0	0	0
OR644	CIRCULAR	0.2	0	0	0
OR645	CIRCULAR	0.2	0	0	0
OR646	CIRCULAR	0.2	0	0	0
OR647	CIRCULAR	0.2	0	0	0
OR648	CIRCULAR	0.2	0	0	0
OR649	CIRCULAR	0.2	0	0	0
OR65	CIRCULAR	0.2	0	0	0
OR650	CIRCULAR	0.2	0	0	0
OR651	CIRCULAR	0.2	0	0	0
OR652	CIRCULAR	0.2	0	0	0
OR653	CIRCULAR	0.3	0	0	0
OR654	CIRCULAR	0.2	0	0	0
OR655	CIRCULAR	0.2	0	0	0
OR656	CIRCULAR	0.15	0	0	0
OR657	CIRCULAR	0.2	0	0	0
OR658	CIRCULAR	0.2	0	0	0
OR659	CIRCULAR	0.2	0	0	0
OR66	CIRCULAR	0.2	0	0	0
OR660	CIRCULAR	0.2	0	0	0
OR661	CIRCULAR	0.2	0	0	0
OR662	CIRCULAR	0.2	0	0	0
OR663	CIRCULAR	0.2	0	0	0
OR664	CIRCULAR	0.15	0	0	0
OR665	CIRCULAR	0.15	0	0	0
OR666	CIRCULAR	0.15	0	0	0
OR667	CIRCULAR	0.2	0	0	0
OR668	CIRCULAR	0.2	0	0	0
OR669	CIRCULAR	0.15	0	0	0
OR67	CIRCULAR	0.25	0	0	0
OR670	CIRCULAR	0.15	0	0	0
OR671	CIRCULAR	0.15	0	0	0
OR672	CIRCULAR	0.15	0	0	0
OR673	CIRCULAR	0.15	0	0	0
OR674	CIRCULAR	0.15	0	0	0
OR675	CIRCULAR	0.15	0	0	0
OR676	CIRCULAR	0.15	0	0	0
OR677	CIRCULAR	0.15	0	0	0
OR678	CIRCULAR	0.15	0	0	0
OR679	CIRCULAR	0.15	0	0	0
OR68	CIRCULAR	0.2	0	0	0
OR680	CIRCULAR	0.2	0	0	0
OR681	CIRCULAR	0.15	0	0	0
OR682	CIRCULAR	0.15	0	0	0
OR683	CIRCULAR	0.15	0	0	0
OR684	CIRCULAR	0.15	0	0	0
OR685	CIRCULAR	0.15	0	0	0
OR686	CIRCULAR	0.15	0	0	0
OR687	CIRCULAR	0.15	0	0	0
OR688	CIRCULAR	0.15	0	0	0
OR689	CIRCULAR	0.15	0	0	0
OR69	CIRCULAR	0.2	0	0	0
OR690	CIRCULAR	0.15	0	0	0
OR691	CIRCULAR	0.375	0	0	0
OR692	CIRCULAR	0.15	0	0	0
OR693	CIRCULAR	0.15	0	0	0
OR694	CIRCULAR	0.15	0	0	0
OR695	CIRCULAR	0.15	0	0	0
OR696	CIRCULAR	0.15	0	0	0

OR697	CIRCULAR	0.2	0	0	0
OR698	CIRCULAR	0.2	0	0	0
OR699	CIRCULAR	0.15	0	0	0
OR7	CIRCULAR	0.2	0	0	0
OR70	CIRCULAR	0.2	0	0	0
OR700	CIRCULAR	0.15	0	0	0
OR701	CIRCULAR	0.15	0	0	0
OR702	CIRCULAR	0.15	0	0	0
OR703	CIRCULAR	0.15	0	0	0
OR704	CIRCULAR	0.2	0	0	0
OR705	CIRCULAR	0.2	0	0	0
OR706	CIRCULAR	0.2	0	0	0
OR707	CIRCULAR	0.2	0	0	0
OR708	CIRCULAR	0.25	0	0	0
OR709	CIRCULAR	0.25	0	0	0
OR71	CIRCULAR	0.2	0	0	0
OR710	CIRCULAR	0.25	0	0	0
OR711	CIRCULAR	0.2	0	0	0
OR712	CIRCULAR	0.2	0	0	0
OR713	CIRCULAR	0.2	0	0	0
OR714	CIRCULAR	0.2	0	0	0
OR715	CIRCULAR	0.2	0	0	0
OR716	CIRCULAR	0.2	0	0	0
OR717	CIRCULAR	0.2	0	0	0
OR718	CIRCULAR	0.25	0	0	0
OR719	CIRCULAR	0.2	0	0	0
OR72	CIRCULAR	0.2	0	0	0
OR720	CIRCULAR	0.2	0	0	0
OR721	CIRCULAR	0.2	0	0	0
OR722	CIRCULAR	0.25	0	0	0
OR723	CIRCULAR	0.2	0	0	0
OR724	CIRCULAR	0.2	0	0	0
OR725	CIRCULAR	0.2	0	0	0
OR726	CIRCULAR	0.2	0	0	0
OR727	CIRCULAR	0.2	0	0	0
OR728	CIRCULAR	0.25	0	0	0
OR729	CIRCULAR	0.2	0	0	0
OR73	CIRCULAR	0.2	0	0	0
OR730	CIRCULAR	0.2	0	0	0
OR731	CIRCULAR	0.2	0	0	0
OR732	CIRCULAR	0.2	0	0	0
OR733	CIRCULAR	0.25	0	0	0
OR734	CIRCULAR	0.2	0	0	0
OR735	CIRCULAR	0.25	0	0	0
OR736	CIRCULAR	0.15	0	0	0
OR737	CIRCULAR	0.2	0	0	0
OR738	CIRCULAR	0.2	0	0	0
OR739	CIRCULAR	0.2	0	0	0
OR74	CIRCULAR	0.25	0	0	0
OR740	CIRCULAR	0.2	0	0	0
OR741	CIRCULAR	0.2	0	0	0
OR742	CIRCULAR	0.375	0	0	0
OR743	CIRCULAR	0.2	0	0	0
OR744	CIRCULAR	0.2	0	0	0
OR745	CIRCULAR	0.2	0	0	0
OR746	CIRCULAR	0.2	0	0	0
OR747	CIRCULAR	0.15	0	0	0
OR748	CIRCULAR	0.15	0	0	0
OR749	CIRCULAR	0.15	0	0	0
OR75	CIRCULAR	0.25	0	0	0
OR750	CIRCULAR	0.15	0	0	0
OR751	CIRCULAR	0.2	0	0	0
OR752	CIRCULAR	0.2	0	0	0
OR753	CIRCULAR	0.2	0	0	0

OR754	CIRCULAR	0.2	0	0	0
OR755	CIRCULAR	0.2	0	0	0
OR756	CIRCULAR	0.2	0	0	0
OR757	CIRCULAR	0.2	0	0	0
OR758	CIRCULAR	0.2	0	0	0
OR759	CIRCULAR	0.2	0	0	0
OR76	CIRCULAR	0.25	0	0	0
OR760	CIRCULAR	0.25	0	0	0
OR761	CIRCULAR	0.25	0	0	0
OR762	CIRCULAR	0.25	0	0	0
OR763	CIRCULAR	0.25	0	0	0
OR764	CIRCULAR	0.2	0	0	0
OR765	CIRCULAR	0.25	0	0	0
OR766	CIRCULAR	0.3	0	0	0
OR767	CIRCULAR	0.3	0	0	0
OR768	CIRCULAR	0.2	0	0	0
OR769	CIRCULAR	0.2	0	0	0
OR77	CIRCULAR	0.25	0	0	0
OR770	CIRCULAR	0.375	0	0	0
OR771	CIRCULAR	0.2	0	0	0
OR772	CIRCULAR	0.3	0	0	0
OR773	CIRCULAR	0.2	0	0	0
OR774	CIRCULAR	0.2	0	0	0
OR775	CIRCULAR	0.2	0	0	0
OR776	CIRCULAR	0.2	0	0	0
OR777	CIRCULAR	0.2	0	0	0
OR778	CIRCULAR	0.25	0	0	0
OR779	CIRCULAR	0.2	0	0	0
OR78	CIRCULAR	0.25	0	0	0
OR780	CIRCULAR	0.25	0	0	0
OR781	CIRCULAR	0.25	0	0	0
OR782	CIRCULAR	0.2	0	0	0
OR783	CIRCULAR	0.25	0	0	0
OR784	CIRCULAR	0.2	0	0	0
OR785	CIRCULAR	0.2	0	0	0
OR786	CIRCULAR	0.25	0	0	0
OR787	CIRCULAR	0.25	0	0	0
OR788	CIRCULAR	0.25	0	0	0
OR789	CIRCULAR	0.25	0	0	0
OR79	CIRCULAR	0.2	0	0	0
OR790	CIRCULAR	0.2	0	0	0
OR791	CIRCULAR	0.2	0	0	0
OR792	CIRCULAR	0.2	0	0	0
OR793	CIRCULAR	0.2	0	0	0
OR794	CIRCULAR	0.25	0	0	0
OR795	CIRCULAR	0.2	0	0	0
OR796	CIRCULAR	0.2	0	0	0
OR797	CIRCULAR	0.2	0	0	0
OR798	CIRCULAR	0.2	0	0	0
OR799	CIRCULAR	0.25	0	0	0
OR8	CIRCULAR	0.2	0	0	0
OR80	CIRCULAR	0.2	0	0	0
OR800	CIRCULAR	0.15	0	0	0
OR801	CIRCULAR	0.25	0	0	0
OR802	CIRCULAR	0.25	0	0	0
OR803	CIRCULAR	0.25	0	0	0
OR804	CIRCULAR	0.25	0	0	0
OR805	CIRCULAR	0.2	0	0	0
OR806	CIRCULAR	0.2	0	0	0
OR807	CIRCULAR	0.25	0	0	0
OR808	CIRCULAR	0.375	0	0	0
OR809	CIRCULAR	0.25	0	0	0
OR81	CIRCULAR	0.25	0	0	0
OR810	CIRCULAR	0.2	0	0	0

OR811	CIRCULAR	0.2	0	0	0
OR812	CIRCULAR	0.2	0	0	0
OR813	CIRCULAR	0.2	0	0	0
OR814	CIRCULAR	0.2	0	0	0
OR815	CIRCULAR	0.2	0	0	0
OR816	CIRCULAR	0.2	0	0	0
OR817	CIRCULAR	0.2	0	0	0
OR818	CIRCULAR	0.2	0	0	0
OR819	CIRCULAR	0.2	0	0	0
OR82	CIRCULAR	0.25	0	0	0
OR820	CIRCULAR	0.2	0	0	0
OR821	CIRCULAR	0.2	0	0	0
OR822	CIRCULAR	0.2	0	0	0
OR823	CIRCULAR	0.2	0	0	0
OR824	CIRCULAR	0.2	0	0	0
OR825	CIRCULAR	0.2	0	0	0
OR826	CIRCULAR	0.2	0	0	0
OR827	CIRCULAR	0.2	0	0	0
OR828	CIRCULAR	0.2	0	0	0
OR829	CIRCULAR	0.2	0	0	0
OR83	CIRCULAR	0.2	0	0	0
OR830	CIRCULAR	0.2	0	0	0
OR831	CIRCULAR	0.2	0	0	0
OR832	CIRCULAR	0.2	0	0	0
OR833	CIRCULAR	0.2	0	0	0
OR834	CIRCULAR	0.2	0	0	0
OR835	CIRCULAR	0.2	0	0	0
OR836	CIRCULAR	0.2	0	0	0
OR837	CIRCULAR	0.2	0	0	0
OR838	CIRCULAR	0.2	0	0	0
OR839	CIRCULAR	0.2	0	0	0
OR84	CIRCULAR	0.2	0	0	0
OR840	CIRCULAR	0.2	0	0	0
OR841	CIRCULAR	0.2	0	0	0
OR842	CIRCULAR	0.2	0	0	0
OR843	CIRCULAR	0.2	0	0	0
OR844	CIRCULAR	0.2	0	0	0
OR845	CIRCULAR	0.2	0	0	0
OR846	CIRCULAR	0.2	0	0	0
OR847	CIRCULAR	0.2	0	0	0
OR848	CIRCULAR	0.2	0	0	0
OR849	CIRCULAR	0.2	0	0	0
OR85	CIRCULAR	0.2	0	0	0
OR850	CIRCULAR	0.2	0	0	0
OR851	CIRCULAR	0.2	0	0	0
OR852	CIRCULAR	0.2	0	0	0
OR853	CIRCULAR	0.25	0	0	0
OR854	CIRCULAR	0.2	0	0	0
OR855	CIRCULAR	0.2	0	0	0
OR856	CIRCULAR	0.2	0	0	0
OR857	CIRCULAR	0.2	0	0	0
OR858	CIRCULAR	0.2	0	0	0
OR859	CIRCULAR	0.2	0	0	0
OR86	CIRCULAR	0.2	0	0	0
OR860	CIRCULAR	0.2	0	0	0
OR861	CIRCULAR	0.2	0	0	0
OR862	CIRCULAR	0.2	0	0	0
OR863	CIRCULAR	0.2	0	0	0
OR864	CIRCULAR	0.25	0	0	0
OR865	CIRCULAR	0.2	0	0	0
OR866	CIRCULAR	0.3	0	0	0
OR867	CIRCULAR	0.3	0	0	0
OR868	CIRCULAR	0.375	0	0	0
OR869	CIRCULAR	0.375	0	0	0

OR87	CIRCULAR	0.2	0	0	0
OR870	CIRCULAR	0.25	0	0	0
OR871	CIRCULAR	0.2	0	0	0
OR872	CIRCULAR	0.2	0	0	0
OR873	CIRCULAR	0.2	0	0	0
OR874	CIRCULAR	0.2	0	0	0
OR875	CIRCULAR	0.2	0	0	0
OR876	CIRCULAR	0.2	0	0	0
OR877	CIRCULAR	0.2	0	0	0
OR878	CIRCULAR	0.2	0	0	0
OR879	CIRCULAR	0.2	0	0	0
OR88	CIRCULAR	0.2	0	0	0
OR880	CIRCULAR	0.2	0	0	0
OR881	CIRCULAR	0.2	0	0	0
OR882	CIRCULAR	0.2	0	0	0
OR883	CIRCULAR	0.2	0	0	0
OR884	CIRCULAR	0.2	0	0	0
OR885	CIRCULAR	0.2	0	0	0
OR886	CIRCULAR	0.2	0	0	0
OR887	CIRCULAR	0.25	0	0	0
OR888	CIRCULAR	0.2	0	0	0
OR889	CIRCULAR	0.25	0	0	0
OR89	CIRCULAR	0.2	0	0	0
OR890	CIRCULAR	0.25	0	0	0
OR891	CIRCULAR	0.25	0	0	0
OR892	CIRCULAR	0.2	0	0	0
OR893	CIRCULAR	0.2	0	0	0
OR894	CIRCULAR	0.2	0	0	0
OR895	CIRCULAR	0.25	0	0	0
OR896	CIRCULAR	0.25	0	0	0
OR897	CIRCULAR	0.25	0	0	0
OR898	CIRCULAR	0.25	0	0	0
OR899	CIRCULAR	0.25	0	0	0
OR9	CIRCULAR	0.3	0	0	0
OR90	CIRCULAR	0.2	0	0	0
OR900	CIRCULAR	0.2	0	0	0
OR901	CIRCULAR	0.2	0	0	0
OR902	CIRCULAR	0.25	0	0	0
OR903	CIRCULAR	0.2	0	0	0
OR904	CIRCULAR	0.2	0	0	0
OR905	CIRCULAR	0.2	0	0	0
OR906	CIRCULAR	0.2	0	0	0
OR907	CIRCULAR	0.2	0	0	0
OR908	CIRCULAR	0.2	0	0	0
OR909	CIRCULAR	0.2	0	0	0
OR91	CIRCULAR	0.2	0	0	0
OR910	CIRCULAR	0.2	0	0	0
OR911	CIRCULAR	0.2	0	0	0
OR912	CIRCULAR	0.2	0	0	0
OR913	CIRCULAR	0.2	0	0	0
OR914	CIRCULAR	0.2	0	0	0
OR915	CIRCULAR	0.25	0	0	0
OR916	CIRCULAR	0.25	0	0	0
OR917	CIRCULAR	0.2	0	0	0
OR918	CIRCULAR	0.2	0	0	0
OR919	CIRCULAR	0.2	0	0	0
OR92	CIRCULAR	0.2	0	0	0
OR920	CIRCULAR	0.2	0	0	0
OR921	CIRCULAR	0.2	0	0	0
OR922	CIRCULAR	0.2	0	0	0
OR923	CIRCULAR	0.2	0	0	0
OR924	CIRCULAR	0.2	0	0	0
OR925	CIRCULAR	0.2	0	0	0
OR926	CIRCULAR	0.2	0	0	0

OR927	CIRCULAR	0.2	0	0	0
OR928	CIRCULAR	0.2	0	0	0
OR929	CIRCULAR	0.2	0	0	0
OR93	CIRCULAR	0.2	0	0	0
OR930	CIRCULAR	0.2	0	0	0
OR931	CIRCULAR	0.2	0	0	0
OR932	CIRCULAR	0.2	0	0	0
OR933	CIRCULAR	0.2	0	0	0
OR934	CIRCULAR	0.2	0	0	0
OR935	CIRCULAR	0.2	0	0	0
OR936	CIRCULAR	0.2	0	0	0
OR937	CIRCULAR	0.2	0	0	0
OR938	CIRCULAR	0.2	0	0	0
OR939	CIRCULAR	0.2	0	0	0
OR94	CIRCULAR	0.2	0	0	0
OR940	CIRCULAR	0.2	0	0	0
OR941	CIRCULAR	0.2	0	0	0
OR942	CIRCULAR	0.2	0	0	0
OR943	CIRCULAR	0.2	0	0	0
OR944	CIRCULAR	0.2	0	0	0
OR945	CIRCULAR	0.2	0	0	0
OR946	CIRCULAR	0.2	0	0	0
OR947	CIRCULAR	0.2	0	0	0
OR948	CIRCULAR	0.2	0	0	0
OR949	CIRCULAR	0.2	0	0	0
OR95	CIRCULAR	0.2	0	0	0
OR950	CIRCULAR	0.2	0	0	0
OR951	CIRCULAR	0.2	0	0	0
OR952	CIRCULAR	0.2	0	0	0
OR953	CIRCULAR	0.2	0	0	0
OR954	CIRCULAR	0.2	0	0	0
OR955	CIRCULAR	0.2	0	0	0
OR956	CIRCULAR	0.2	0	0	0
OR957	CIRCULAR	0.2	0	0	0
OR958	CIRCULAR	0.2	0	0	0
OR959	CIRCULAR	0.2	0	0	0
OR96	CIRCULAR	0.2	0	0	0
OR960	CIRCULAR	0.2	0	0	0
OR961	CIRCULAR	0.2	0	0	0
OR962	CIRCULAR	0.2	0	0	0
OR963	CIRCULAR	0.2	0	0	0
OR964	CIRCULAR	0.15	0	0	0
OR965	CIRCULAR	0.2	0	0	0
OR966	CIRCULAR	0.2	0	0	0
OR967	CIRCULAR	0.2	0	0	0
OR968	CIRCULAR	0.2	0	0	0
OR969	CIRCULAR	0.2	0	0	0
OR97	CIRCULAR	0.2	0	0	0
OR970	CIRCULAR	0.2	0	0	0
OR971	CIRCULAR	0.2	0	0	0
OR972	CIRCULAR	0.2	0	0	0
OR973	CIRCULAR	0.2	0	0	0
OR974	CIRCULAR	0.2	0	0	0
OR975	CIRCULAR	0.2	0	0	0
OR976	CIRCULAR	0.2	0	0	0
OR977	CIRCULAR	0.2	0	0	0
OR978	CIRCULAR	0.2	0	0	0
OR979	CIRCULAR	0.2	0	0	0
OR98	CIRCULAR	0.2	0	0	0
OR980	CIRCULAR	0.2	0	0	0
OR981	CIRCULAR	0.2	0	0	0
OR982	CIRCULAR	0.2	0	0	0
OR983	CIRCULAR	0.2	0	0	0
OR984	CIRCULAR	0.2	0	0	0

OR985	CIRCULAR	0.2	0	0	0
OR986	CIRCULAR	0.2	0	0	0
OR987	CIRCULAR	0.2	0	0	0
OR988	CIRCULAR	0.2	0	0	0
OR989	CIRCULAR	0.2	0	0	0
OR99	CIRCULAR	0.2	0	0	0
OR990	CIRCULAR	0.2	0	0	0
OR991	CIRCULAR	0.25	0	0	0
OR992	CIRCULAR	0.25	0	0	0
OR993	CIRCULAR	0.2	0	0	0
OR994	CIRCULAR	0.2	0	0	0
OR995	CIRCULAR	0.2	0	0	0
OR997	CIRCULAR	0.3	0	0	0
OR998	CIRCULAR	0.2	0	0	0
OR999	CIRCULAR	0.2	0	0	0
ORIFICE_CALV	CIRCULAR	0.15	0	0	0
ORIFICE_CARM	CIRCULAR	0.2	0	0	0
ORIFICE_JC	CIRCULAR	0.2	0	0	0
ORIFICE_LESS	CIRCULAR	0.125	0	0	0
ORIFICE_PAP	CIRCULAR	0.15	0	0	0
ORIFICE_SF	CIRCULAR	0.25	0	0	0
ORIFICE_VALENT	CIRCULAR	0.3	0	0	0
ORIFICE_VG	CIRCULAR	0.15	0	0	0
ORIFICE_WESTL	CIRCULAR	0.15	0	0	0
OR2639	TRAPEZOIDAL	1	11.4	8	8
OR2646	TRAPEZOIDAL	1	10.18	8	8
OR2655	TRAPEZOIDAL	1	8.85	8	8
OR2660	TRAPEZOIDAL	1	12.89	8	8
W1	TRAPEZOIDAL	1	14.48	8	8
W10	TRAPEZOIDAL	1	9.19	8	8
W11	TRAPEZOIDAL	1	13.31	8	8
W12	TRAPEZOIDAL	1	9.55	8	8
W13	TRAPEZOIDAL	1	9.5	8	8
W14	TRAPEZOIDAL	1	9.5	8	8
W15	TRAPEZOIDAL	1	10.5	8	8
W16	TRAPEZOIDAL	1	10.5	8	8
W17	TRAPEZOIDAL	1	10.5	8	8
W18	TRAPEZOIDAL	1	10.5	8	8
W19	TRAPEZOIDAL	1	12.5	8	8
W2	RECT_OPEN	2.4	2.4	0	0
W20	TRAPEZOIDAL	1	8.5	8	8
W21	TRAPEZOIDAL	1	17	8	8
W22	TRAPEZOIDAL	1	10.5	8	8
W23	TRAPEZOIDAL	1	14.95	8	8
W24	TRAPEZOIDAL	1	13.9	8	8
W25	TRAPEZOIDAL	1	14.15	8	8
W26	TRAPEZOIDAL	1	10.8	8	8
W27	TRAPEZOIDAL	1	12.2	8	8
W28	TRAPEZOIDAL	1	9.8	8	8
W29	TRAPEZOIDAL	1	6.44	8	8
W3	TRAPEZOIDAL	1	12	8	8
W30	TRAPEZOIDAL	1	6.13	8	8
W31	TRAPEZOIDAL	1	6.41	8	8
W32	TRAPEZOIDAL	1	14.51	8	8
W33	TRAPEZOIDAL	1	14.87	8	8
W34	TRAPEZOIDAL	1	6.8	8	8
W35	TRAPEZOIDAL	1	8.5	8	8
W36	TRAPEZOIDAL	1	8.5	8	8
W37	TRAPEZOIDAL	1	8.5	8	8
W38	TRAPEZOIDAL	1	8.5	8	8
W39	TRAPEZOIDAL	1	8.5	8	8
W4	TRAPEZOIDAL	1	9.95	8	8
W40	TRAPEZOIDAL	1	8.5	8	8
W7	TRAPEZOIDAL	1	21.53	8	8

W8	TRAPEZOIDAL	1		10.7	8	8
W9	RECT_OPEN	0.79		6.6	0	0

[TRANSECTS]

;Transect created from transect line: 2

NC 0.04	0.04	0.035							
X1 A1		8	1	8	0.0	0.0	0	0	0
GR 182.08	1	181.692	2	181.336	3	181.366	4	181.603	5
GR 182.025	6	182.33	7	182.341	8				

;Transect created from transect line: 3

NC 0.04	0.04	0.035							
X1 A2		8	1	8	0.0	0.0	0	0	0
GR 182.313	1	182.074	2	181.594	3	181.067	4	181.028	5
GR 181.128	6	181.669	7	182.111	8				

;Transect created from transect line: 6

NC 0.045	0.045	0.04							
X1 B1		14	1	14	0.0	0.0	0	0	0
GR 182.292	1	182.271	2	181.827	3	181.234	4	180.647	5
GR 180.289	6	180.358	7	180.787	8	181.175	9	181.76	10
GR 182.069	11	182.209	12	182.244	13	182.247	14		

;Transect created from transect line: 8

NC 0.045	0.045	0.04							
X1 B2		15	1	15	0.0	0.0	0	0	0
GR 180.931	1	180.916	2	180.878	3	180.807	4	180.724	5
GR 180.469	6	179.996	7	179.966	8	179.94	9	180.078	10
GR 180.654	11	180.853	12	180.898	13	180.917	14	180.931	15

;Transect created from transect line: 9

NC 0.045	0.045	0.04							
X1 B3		13	1	13	0.0	0.0	0	0	0
GR 180.57	1	180.538	2	180.511	3	180.339	4	180.057	5
GR 179.872	6	179.812	7	179.869	8	180.183	9	180.59	10
GR 180.669	11	180.676	12	180.687	13				

;Transect created from transect line: 10

NC 0.045	0.045	0.04							
X1 B4		13	2	11	0.0	0.0	0	0	0
GR 180.486	0	180.462	1	180.418	2	180.347	3	180.248	4
GR 180.131	5	180.022	6	179.954	7	179.953	8	180.023	9
GR 180.156	10	180.287	11	180.393	11.62				

;Transect created from transect line: 11

NC 0.04	0.04	0.035							
X1 B5		13	2	11	0.0	0.0	0	0	0
GR 180.409	0	180.38	1	180.323	2	180.22	3	179.977	5
GR 179.889	6	179.86	7	179.896	8	179.979	9	180.091	10
GR 180.177	11	180.23	12	180.23	12.45				

NC 0.04	0.04	0.035							
X1 BD_XS-01		9	5.313	13.111	0.0	0.0	0	0	0
GR 182.16	0	182.13	4.108	181.95	5.313	180.09	8.189	180.06	9.137
GR 180.24	10.346	182.1	13.111	182.07	15.029	181.87	19.035		

NC 0.04	0.04	0.035							
X1 BD_XS-02		7	3.331	8.992	0.0	0.0	0	0	0
GR 181.04	0	180.73	3.331	179.73	4.853	179.57	5.802	179.66	6.87
GR 180.91	8.992	180.96	11.251						

NC 0.04	0.04	0.035							
X1 BD_XS-03		7	1.779	9.638	0.0	0.0	0	0	0

GR	180.66	0	180.62	1.779	179.63	3.676	179.43	5.746	179.63	6.999
GR	180.72	9.638	180.61	15.159						

NC 0.04 0.04 0.035

X1	BD_XS-04		7	4.641	11.219	0.0	0.0	0	0	0
GR	180.51	0	180.49	4.641	179.56	6.048	179.52	7.803	179.65	9.179
GR	180.47	11.219	180.61	13.374						

;Transect created from transect line: 1

NC	0.04	0.04	0.035							
X1	C1		18	1	13	0.0	0.0	0	0	0
GR	180.675	0	180.566	1	180.466	2	180.379	3	180.303	4
GR	180.236	5	180.182	6	180.152	7	180.156	8	180.216	9
GR	180.29	10	180.368	11	180.43	12	180.467	13	180.484	14
GR	180.492	15	180.504	16	180.504	16.27				

;Transect created from transect line: 2

NC	0.04	0.04	0.035							
X1	C2		14	1	14	0.0	0.0	0	0	0
GR	180.807	1	180.694	2	180.554	3	180.054	4	179.769	5
GR	179.575	6	179.452	7	179.446	8	179.566	9	179.797	10
GR	179.865	11	179.847	12	179.897	13	179.924	14		

;Transect created from transect line: 3

NC	0.04	0.04	0.035							
X1	C3		19	1	19	0.0	0.0	0	0	0
GR	180.515	1	180.437	2	180.355	3	180.242	4	180.142	5
GR	179.962	6	179.591	7	179.445	8	179.435	9	179.429	10
GR	179.494	11	179.797	12	180.051	13	180.189	14	180.305	15
GR	180.397	16	180.436	17	180.486	18	180.523	19		

;Transect created from transect line: 4

NC	0.04	0.04	0.035							
X1	C4		16	2	14.72	0.0	0.0	0	0	0
GR	180.271	0	180.209	1	180.138	2	180.064	3	179.973	4
GR	179.861	5	179.71	6	179.583	7	179.481	8	179.481	9
GR	179.423	10	179.42	11	179.463	12	179.532	13	179.611	14
GR	179.73	14.72								

;Transect created from transect line: 5

NC	0.04	0.04	0.035							
X1	C5		16	2	16	0.0	0.0	0	0	0
GR	179.742	0	179.685	1	179.633	2	179.494	4	179.408	5
GR	179.307	6	179.102	8	179.043	9	179.009	10	179.009	11
GR	178.996	12	179.015	13	179.051	14	179.123	15	179.236	16
GR	179.388	16.48								

;Transect created from transect line: 6

NC	0.04	0.04	0.035							
X1	CYR_6		18	3	15	0.0	0.0	0	0	0
GR	179.209	0	179.173	1	179.135	2	179.091	3	179.017	4
GR	178.941	5	178.851	6	178.756	7	178.674	8	178.622	9
GR	178.621	10	178.675	11	178.775	12	178.909	13	179.068	14
GR	179.242	15	179.463	16	179.463	16.43				

;Transect created from transect line: 7

NC	0.04	0.04	0.035							
X1	CYR_7		14	1	11	0.0	0.0	0	0	0
GR	179.274	0	179.17	1	178.989	2	178.806	3	178.592	4
GR	178.373	5	178.193	6	178.093	7	178.096	8	178.225	9
GR	178.396	10	178.577	11	178.737	12	178.737	12.05		

;cross section @ STA 0+775

NC 0.04 0.04 0.035

X1	CYR-1		9	0.1	6.386	0.0	0.0	0	0	0
GR	180.933	0	180.915	0.1	180.157	2.3	179.895	3.086	179.895	4.286
GR	180.588	6.386	180.893	10.9	181.183	12	181.345	15.05		
;cross section @ STA 0+925										
NC	0.04	0.04	0.035							
X1	CYR-2		11	3	11.75	0.0	0.0	0	0	0
GR	180.62	0	180.585	3	180.505	3.15	180.32	5.35	179.625	7.65
GR	179.625	8.85	179.715	9.15	180.714	11.75	180.94	16.45	181.27	17.45
GR	181.381	20.85								
;cross section @ STA 1+025										
NC	0.04	0.04	0.035							
X1	CYR-3		10	0.1	7.5	0.0	0.0	0	0	0
GR	180.268	0	180.218	0.1	180.11	1.1	179.62	2.6	179.325	3.5
GR	179.325	4.8	180.29	7.5	180.66	11.5	180.86	11.7	181.017	15.5
;cross section @ STA 1+150										
NC	0.04	0.04	0.035							
X1	CYR-4		8	1.15	7.35	0.0	0.0	0	0	0
GR	179.901	0	179.901	1.15	179.153	3.35	179.153	4.55	180.071	7.35
GR	180.271	12.25	180.551	13.25	180.725	16.45				
;cross section @ STA 1+325										
NC	0.04	0.04	0.035							
X1	CYR-5		9	0.1	8.6	0.0	0.0	0	0	0
GR	179.117	0	179.138	0.1	178.917	3.5	178.785	3.9	178.785	5.1
GR	179.592	8.6	179.887	15.2	180.175	16.4	180.307	19.6		
;cross section @ STA 1+450										
NC	0.04	0.04	0.035							
X1	CYR-6		12	0.15	5.85	0.0	0.0	0	0	0
GR	179.252	0	179.213	0.15	178.992	1.55	178.797	2.35	178.721	3.05
GR	178.523	3.65	178.523	4.85	178.853	5.85	179.057	7.25	179.557	17.75
GR	179.852	18.95	180.024	21.95						
;cross section @ STA 1+700										
NC	0.04	0.04	0.035							
X1	CYR-7		10	0.25	8.25	0.0	0.0	0	0	0
GR	178.985	0	178.953	0.25	178.625	2.15	178.3115	3.45	177.998	5.55
GR	177.998	6.75	178.82	8.25	179.042	19.45	179.332	20.65	179.5	23.55
;Transect created from transect line: 32										
NC	0.04	0.04	0.035							
X1	E10		29	12	21	0.0	0.0	0	0	0
GR	181.5	0	181.508	1	181.515	2	181.52	3	181.522	4
GR	181.522	5	181.518	7	181.518	8	181.521	9	181.527	10
GR	181.531	11	181.522	12	181.491	13	181.43	14	181.351	15
GR	181.281	16	181.258	17	181.316	18	181.455	19	181.654	20
GR	181.871	21	182.065	22	182.217	23	182.324	24	182.395	25
GR	182.439	26	182.467	27	182.483	28	182.483	28.45		
;Transect created from transect line: 33										
NC	0.04	0.04	0.035							
X1	E11		23	6	14	0.0	0.0	0	0	0
GR	181.76	0	181.765	1	181.775	2	181.757	3	181.763	4
GR	181.746	5	181.692	6	181.592	7	181.455	8	181.314	9
GR	181.217	10	181.212	11	181.325	12	181.557	13	181.84	14
GR	182.121	15	182.354	16	182.52	17	182.624	18	182.683	19
GR	182.715	20	182.733	21	182.733	21.35				
;Transect created from transect line: 34										
NC	0.04	0.04	0.035							
X1	E12		25	6	16	0.0	0.0	0	0	0

GR 181.582	0	181.589	1	181.59	2	181.589	3	181.586	4
GR 181.576	5	181.548	6	181.492	7	181.384	8	181.247	9
GR 181.104	10	181.004	11	180.993	12	181.094	13	181.296	14
GR 181.557	15	181.823	16	182.035	17	182.184	18	182.276	19
GR 182.327	20	182.355	21	182.371	22	182.377	23	182.377	23.38

;Transect created from transect line: 35

NC 0.04	0.04	0.035							
X1 E13		24	9	17	0.0	0.0	0	0	0
GR 180.95	0	180.945	1	180.938	2	180.929	3	180.918	4
GR 180.905	5	180.862	9	180.825	10	180.769	11	180.707	12
GR 180.669	13	180.688	14	180.784	15	180.954	16	181.17	17
GR 181.391	18	181.581	19	181.722	20	181.816	21	181.872	22
GR 181.912	23	181.929	24	181.934	25	181.934	25.09		

;Transect created from transect line: 36

NC 0.04	0.04	0.035							
X1 E14		23	8	17	0.0	0.0	0	0	0
GR 180.978	0	180.976	1	180.972	2	180.972	3	180.929	6
GR 180.913	7	180.883	8	180.827	9	180.737	10	180.627	11
GR 180.527	12	180.485	13	180.531	14	180.667	15	180.865	16
GR 181.077	17	181.264	18	181.414	19	181.509	20	181.569	21
GR 181.607	22	181.631	23	181.644	23.65				

;Transect created from transect line: 37

NC 0.04	0.04	0.035							
X1 E15		25	7	17	0.0	0.0	0	0	0
GR 180.802	0	180.815	1	180.824	2	180.83	3	180.833	4
GR 180.833	5	180.828	6	180.806	7	180.752	8	180.651	9
GR 180.509	10	180.35	11	180.222	12	180.171	13	180.224	14
GR 180.378	15	180.599	16	180.835	17	181.043	18	181.209	19
GR 181.313	20	181.376	21	181.413	22	181.433	23	181.439	23.27

;Transect created from transect line: 38

NC 0.04	0.04	0.035							
X1 E16		24	5	16	0.0	0.0	0	0	0
GR 180.965	0	181.001	1	181.029	2	181.047	3	181.051	4
GR 181.032	5	180.969	6	180.85	7	180.672	8	180.463	9
GR 180.275	10	180.166	11	180.171	12	180.289	13	180.499	14
GR 180.718	15	180.911	16	181.056	17	181.152	18	181.21	19
GR 181.244	20	181.265	21	181.277	22	181.283	22.35		

;Transect created from transect line: 39

NC 0.04	0.04	0.035							
X1 E17		23	5	14	0.0	0.0	0	0	0
GR 180.482	0	180.475	1	180.464	2	180.45	3	180.428	4
GR 180.393	5	180.335	6	180.249	7	180.145	8	180.054	9
GR 180.015	10	180.059	11	180.208	12	180.409	13	180.628	14
GR 180.822	15	180.972	16	181.075	17	181.141	18	181.182	19
GR 181.207	20	181.218	21	181.217	22.87				

;Transect created from transect line: 40

NC 0.04	0.04	0.035							
X1 E18		23	5	15	0.0	0.0	0	0	0
GR 180.532	0	180.534	1	180.537	2	180.539	3	180.534	4
GR 180.511	5	180.458	6	180.367	7	180.241	8	180.103	9
GR 179.991	10	179.954	11	180.008	12	180.152	13	180.358	14
GR 180.58	15	180.776	16	180.923	17	181.02	18	181.078	19
GR 181.111	20	181.13	21	181.137	21.97				

;Transect created from transect line: 42

NC 0.04	0.04	0.035							
X1 E19		26	9	20	0.0	0.0	0	0	0
GR 180.342	0	180.383	2	180.401	3	180.415	4	180.426	5

GR 180.433	6	180.436	7	180.432	8	180.409	9	180.348	10
GR 180.236	11	180.067	12	179.866	13	179.683	14	179.588	15
GR 179.614	16	179.76	17	179.992	18	180.248	19	180.471	20
GR 180.635	21	180.737	22	180.793	23	180.821	24	180.832	25
GR 180.833	26								

;Transect created from transect line: 43

NC 0.04	0.04	0.035							
X1 E20		23	6	16	0.0	0.0	0	0	0
GR 180.459	0	180.458	1	180.453	2	180.442	3	180.423	4
GR 180.381	5	180.285	6	180.142	7	179.929	8	179.666	9
GR 179.409	10	179.228	11	179.18	12	179.286	13	179.522	14
GR 179.834	15	180.149	16	180.411	17	180.596	18	180.706	19
GR 180.764	20	180.787	21	180.794	21.99				

;Transect created from transect line: 44

NC 0.04	0.04	0.035							
X1 E21		21	7	17	0.0	0.0	0	0	0
GR 180.106	0	180.073	3	180.065	4	180.05	5	180.019	6
GR 179.955	7	179.842	8	179.674	9	179.463	10	179.255	11
GR 179.117	12	179.106	13	179.247	14	179.514	15	179.842	16
GR 180.153	17	180.409	18	180.562	19	180.645	20	180.686	21
GR 180.704	21.99								

;Transect created from transect line: 45

NC 0.04	0.04	0.035							
X1 E22		21	5	16	0.0	0.0	0	0	0
GR 179.931	0	179.927	1	179.922	3	179.911	4	179.878	5
GR 179.803	6	179.665	7	179.475	8	179.261	9	179.077	10
GR 178.986	11	179.024	12	179.194	13	179.457	14	179.752	15
GR 180.016	16	180.216	17	180.346	18	180.418	19	180.455	20
GR 180.455	20.72								

;Transect created from transect line: 46

NC 0.04	0.04	0.035							
X1 E23		20	8	18	0.0	0.0	0	0	0
GR 179.614	0	179.686	5	179.696	6	179.693	7	179.657	8
GR 179.57	9	179.42	10	179.221	11	179.014	12	178.863	13
GR 178.823	14	178.917	15	179.124	16	179.391	17	179.656	18
GR 179.872	19	180.023	20	180.115	21	180.165	22	180.19	22.87

;Transect created from transect line: 47

NC 0.04	0.04	0.035							
X1 E25		18	1	13	0.0	0.0	0	0	0
GR 179.58	0	179.512	1	179.395	2	179.227	3	179.015	4
GR 178.786	5	178.579	6	178.443	7	178.416	8	178.527	9
GR 178.747	10	179.032	11	179.321	12	179.564	13	179.737	14
GR 179.842	15	179.898	16	179.923	16.39				

;Transect created from transect line: 48

NC 0.04	0.04	0.035							
X1 E26		21	5	15	0.0	0.0	0	0	0
GR 179.656	0	179.566	2	179.516	3	179.451	4	179.356	5
GR 179.207	6	179.001	7	178.755	8	178.518	9	178.361	10
GR 178.34	11	178.471	12	178.722	13	179.024	14	179.299	15
GR 179.519	16	179.639	17	179.7	18	179.727	19	179.739	20
GR 179.739	20.17								

;Transect created from transect line: 49

NC 0.04	0.04	0.035							
X1 E27		20	2	13	0.0	0.0	0	0	0
GR 179.086	0	178.97	1	178.787	2	178.542	3	178.27	4
GR 178.024	5	177.864	6	177.834	7	177.941	8	178.155	9
GR 178.426	10	178.699	11	178.931	12	179.101	13	179.208	14

GR 179.28 15 179.328 16 179.366 17 179.401 18 179.431 18.56

;Transect created from transect line: 50

NC 0.04 0.04 0.035
X1 E28 25 3 16 0.0 0.0 0 0
GR 179.224 0 179.2 1 179.125 2 179.063 3 178.925 4
GR 178.766 5 178.492 6 178.046 7 177.47 8 177.203 9
GR 176.95 10 176.977 11 177.622 12 178.095 13 178.512 14
GR 178.66 15 178.729 16 178.761 18 178.767 19 178.792 20
GR 178.812 21 178.827 22 178.838 23 178.79 24 178.761 24.58

;Transect created from transect line: 41

NC 0.04 0.04 0.035
X1 E49 22 6 16 0.0 0.0 0 0
GR 180.53 0 180.556 3 180.563 4 180.565 5 180.541 6
GR 180.479 7 180.366 8 180.204 9 180.029 10 179.899 11
GR 179.866 12 179.95 13 180.131 14 180.359 15 180.577 16
GR 180.747 17 180.868 18 180.931 19 180.963 20 180.978 21
GR 180.983 22 180.978 22.94

;Transect created from transect line: 26

NC 0.04 0.04 0.035
X1 E5 26 12 23 0.0 0.0 0 0
GR 182.589 0 182.619 7 182.626 8 182.631 9 182.635 10
GR 182.636 11 182.628 12 182.6 13 182.542 14 182.447 15
GR 182.312 16 182.18 17 182.084 18 182.062 19 182.131 20
GR 182.287 21 182.494 22 182.707 23 182.888 24 183.022 25
GR 183.11 26 183.162 27 183.193 28 183.21 29 183.218 30
GR 183.216 30.22

;Transect created from transect line: 27

NC 0.04 0.04 0.035
X1 E6 30 12 23 0.0 0.0 0 0
GR 181.976 0 181.979 1 181.986 4 181.991 5 181.999 7
GR 182.001 8 182.001 9 182.006 10 182.006 11 182 12
GR 181.982 13 181.944 14 181.882 15 181.809 16 181.748 17
GR 181.727 18 181.765 19 181.864 20 182.008 21 182.168 22
GR 182.339 23 182.467 24 182.571 25 182.654 26 182.719 27
GR 182.766 28 182.797 29 182.814 30 182.819 31 182.819 31.33

;Transect created from transect line: 28

NC 0.04 0.04 0.035
X1 E7 22 2 18 0.0 0.0 0 0
GR 182.519 0 182.436 1 182.404 2 182.336 3 182.169 4
GR 181.974 5 181.523 6 181.323 7 181.308 8 181.311 9
GR 181.342 10 181.501 11 181.73 12 181.828 13 181.98 14
GR 182.108 15 182.185 16 182.319 17 182.404 18 182.449 19
GR 182.498 20 182.498 20

;Transect created from transect line: 29

NC 0.04 0.04 0.035
X1 E8 24 7 17 0.0 0.0 0 0
GR 182.023 0 182.012 1 181.997 2 181.978 3 181.956 4
GR 181.929 5 181.901 6 181.87 7 181.83 8 181.776 9
GR 181.704 10 181.616 11 181.531 12 181.478 13 181.484 14
GR 181.566 15 181.706 16 181.878 17 182.048 18 182.195 19
GR 182.311 20 182.396 21 182.454 22 182.454 22.43

;Averaged transect, created from transects:

;30, 31
NC 0.04 0.04 0.035
X1 E9 28 10 21 0.0 0.0 0 0
GR 181.69 0 181.692 1 181.692 3 181.686 5 181.681 6
GR 181.675 7 181.668 8 181.66 9 181.645 10 181.618 11

GR 181.572	12	181.502	13	181.414	14	181.328	15	181.269	16
GR 181.272	17	181.339	18	181.463	19	181.618	20	181.775	21
GR 181.91	22	182.016	23	182.092	24	182.142	25	182.174	26
GR 182.192	27	182.201	28	182.201	28.73				

NC 0.035	0.013	0.035							
X1 ETLD_21		15	0.0	13	0.0	0.0	0.0	0.0	0.0
GR 176.835	0	176.736	1	176.575	2	176.338	3	176.027	4
GR 175.686	5	175.394	6	175.234	7	175.255	8	175.446	9
GR 175.75	10	176.079	11	176.358	12	176.555	13	176.672	14

NC 0.035	0.013	0.035							
X1 ETLD_22		16	0	13	0.0	0.0	0.0	0.0	0.0
GR 176.714	0	176.686	1	176.623	2	176.498	3	176.281	4
GR 175.97	5	175.616	6	175.314	7	175.155	8	175.19	9
GR 175.402	10	175.72	11	176.046	12	176.306	13	176.476	14
GR 176.567	15								

NC 0.035	0.013	0.035							
X1 ETLD_23		15	0	13	0.0	0.0	0.0	0.0	0.0
GR 176.273	0	176.241	1	176.18	2	176.079	3	175.918	4
GR 175.698	5	175.45	6	175.242	7	175.139	8	175.179	9
GR 175.359	10	175.633	11	175.925	12	176.171	13	176.343	14

NC 0.035	0.013	0.035							
X1 ETLD_24		15	0	13	0.0	0.0	0.0	0.0	0.0
GR 176.455	0	176.416	1	176.336	2	176.191	3	175.97	4
GR 175.69	5	175.404	6	175.192	7	175.113	8	175.186	9
GR 175.388	10	175.66	11	175.923	12	176.14	13	176.283	14

NC 0.035	0.013	0.035							
X1 ETLD_25		15	0	13	0.0	0.0	0.0	0.0	0.0
GR 176.322	0	176.292	1	176.248	2	176.166	3	176.029	4
GR 175.828	5	175.587	6	175.358	7	175.212	8	175.192	9
GR 175.181	10	175.415	11	175.69	12	175.94	13	176.129	14

NC 0.035	0.013	0.035							
X1 ETLD_26		15	0.0	13	0.0	0.0	0.0	0.0	0.0
GR 176.266	0	176.236	1	176.19	2	176.104	3	175.953	4
GR 175.725	5	175.409	6	175.149	7	174.995	8	174.998	9
GR 175.16	10	175.434	11	175.737	12	175.997	13	176.18	14

NC 0.035	0.013	0.035							
X1 ETLD_41		16	0.0	13	0.0	0.0	0.0	0.0	0.0
GR 176.248	0	176.176	1	176.068	2	175.898	3	175.654	4
GR 175.351	5	175.019	6	174.813	7	174.759	8	174.874	9
GR 175.126	10	175.44	11	175.736	12	175.963	13	176.111	14
GR 176.192	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-01		16	0	13	0.0	0.0	0	0	0
GR 176.793	0	176.705	1	176.535	2	176.284	3	175.978	4
GR 175.679	5	175.467	6	175.406	7	175.531	8	175.799	9
GR 176.137	10	176.455	11	176.692	12	176.838	13	176.909	14
GR 176.909	14.13								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-20		17	1	14	0.0	0.0	0	0	0
GR 176.85	0	176.791	1	176.707	2	176.587	3	176.423	4
GR 176.224	5	175.809	6	175.61	7	175.522	8	175.567	9
GR 175.733	10	175.981	11	176.246	12	176.479	13	176.65	14
GR 176.757	15	176.757	15.09						

;TAKEN FROM SSA MODEL

NC 0.04	0.04	0.035							
X1 ETLD_XS-35	13		-3.35	3.356	0.0	0.0	0	0	0
GR 176.24	-23.241	176.41	-11.096	176.43	-5.274	176.16	-3.35	174.53	-1.31
GR 174.21	-0.999	174.21	0	174.21	1	174.54	1.415	176.08	3.356
GR 176.3	5.797	176.35	8.946	176.27	12.148				

NC 0.04 0.04 0.035

X1 ETLD_XS-40	16	0	15	0.0	0.0	0	0	0	0
GR 176.313	0	176.29	1	176.248	2	176.169	3	176.038	4
GR 175.856	5	175.661	6	175.512	7	175.463	8	175.537	9
GR 175.703	10	175.901	11	176.072	12	176.186	13	176.247	14
GR 176.271	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-45	15	0	13	0.0	0.0	0	0	0	0
GR 176.102	0	176.056	1	175.942	2	175.771	3	175.521	4
GR 175.218	5	174.931	6	174.742	7	174.703	8	174.826	9
GR 175.078	10	175.387	11	175.673	12	175.892	13	176.034	14

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-50	15	0	13	0.0	0.0	0	0	0	0
GR 176.099	0	176.059	1	175.983	2	175.85	3	175.646	4
GR 175.38	5	175.094	6	174.858	7	174.735	8	174.759	9
GR 174.924	10	175.189	11	175.486	12	175.767	13	175.96	14

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-55	15	0	13	0.0	0.0	0	0	0	0
GR 175.924	0	175.894	1	175.836	2	175.729	3	175.557	4
GR 175.319	5	175.021	6	174.791	7	174.663	8	174.676	9
GR 174.831	10	175.091	11	175.389	12	175.66	13	175.866	14

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-60	15	0	13	0.0	0.0	0	0	0	0
GR 175.979	0	175.927	1	175.83	2	175.672	3	175.444	4
GR 175.17	5	174.906	6	174.725	7	174.678	8	174.78	9
GR 175.006	10	175.309	11	175.588	12	175.807	13	175.95	14

;TAKEN FROM SSA MODEL

NC 0.035	0.013	0.035							
X1 ETLD_XS-65	16	0	13	0.0	0.0	0	0	0	0
GR 175.925	0	175.91	1	175.856	2	175.74	3	175.546	4
GR 175.281	5	174.996	6	174.767	7	174.664	8	174.719	9
GR 174.919	10	175.207	11	175.502	12	175.757	13	175.913	14
GR 175.996	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-70	16	0	13	0.0	0.0	0	0	0	0
GR 175.925	0	175.881	1	175.784	2	175.615	3	175.369	4
GR 175.078	5	174.807	6	174.629	7	174.59	8	174.7	9
GR 174.932	10	175.225	11	175.505	12	175.726	13	175.876	14
GR 175.954	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-75	15	0	13	0.0	0.0	0	0	0	0
GR 176.188	0	176.104	1	175.948	2	175.707	3	175.392	4
GR 175.052	5	174.757	6	174.576	7	174.546	8	174.668	9

GR 174.912 10 175.213 11 175.503 12 175.744 13 175.89 14

;TAKEN FROM TRANSECT

NC 0.035 0.013 0.035
X1 ETLD_XS-80 16 0 13 0.0 0.0 0 0 0
GR 176.089 0 175.993 1 175.846 2 175.632 3 175.354 4
GR 175.045 5 174.762 6 174.573 7 174.524 8 174.628 9
GR 174.864 10 175.17 11 175.474 12 175.726 13 175.886 14
GR 175.976 15

;TAKEN FROM TRANSECT

NC 0.035 0.013 0.035
X1 ETLD_XS-85 16 0 13 0.0 0.0 0 0 0
GR 176.146 0 176.099 1 176.005 2 175.839 3 175.591 4
GR 175.278 5 174.954 6 174.698 7 174.572 8 174.617 9
GR 174.815 10 175.112 11 175.428 12 175.694 13 175.876 14
GR 175.978 15

;TAKEN FROM TRANSECT

NC 0.035 0.013 0.035
X1 ETLD_XS-90 15 0 13 0.0 0.0 0 0 0
GR 176.037 0 175.988 1 175.881 2 175.698 3 175.44 4
GR 175.139 5 174.855 6 174.655 7 174.588 8 174.672 9
GR 174.886 10 175.178 11 175.475 12 175.72 13 175.888 14

;Transect created from transect line: 16

NC 0.04 0.04 0.035
X1 L1 37 0 35 0.0 0.0 0 0 0
GR 176.462 0 176.504 1 176.535 2 176.551 3 176.498 4
GR 176.335 5 176.096 6 175.756 7 175.419 8 175.221 9
GR 174.799 10 174.578 11 174.262 12 173.984 13 173.828 14
GR 173.6 15 173.266 16 173.253 17 173.247 18 173.284 19
GR 173.287 20 173.328 21 173.695 22 174.083 23 174.458 24
GR 174.694 25 174.829 26 175.25 27 175.507 28 175.776 29
GR 176.052 30 176.259 31 176.489 32 176.715 33 176.832 34
GR 176.918 35 176.961 35.19

;Transect created from transect line: 17

NC 0.04 0.04 0.035
X1 L2 39 0 37.51 0.0 0.0 0 0 0
GR 176.307 0 176.329 1 176.319 2 176.333 3 176.315 4
GR 176.269 5 176.084 6 175.928 7 175.778 8 175.521 9
GR 175.171 10 175.03 11 174.752 12 174.374 13 174.112 14
GR 173.77 15 173.383 16 173.291 17 173.284 18 173.265 19
GR 173.254 20 173.282 21 173.688 22 173.98 23 174.368 24
GR 174.701 25 175.052 26 175.16 27 175.56 28 175.785 29
GR 175.941 30 176.15 31 176.169 32 176.17 33 176.155 34
GR 176.164 35 176.18 36 176.203 37 176.192 37.51

;Transect created from transect line: 19

NC 0.04 0.04 0.035
X1 L3 33 0 35.89 0.0 0.0 0 0 0
GR 175.707 0 175.702 1 175.586 2 175.412 3 175.321 4
GR 175.245 5 175.048 6 174.873 7 174.684 8 174.537 9
GR 174.446 10 174.227 11 173.974 12 173.669 13 173.398 14
GR 173.291 15 173.29 16 173.29 20 173.281 21 173.505 22
GR 173.845 23 174.154 24 174.546 25 174.777 26 175.032 27
GR 175.306 28 175.602 29 175.785 30 175.832 31 175.832 33
GR 175.828 34 175.875 35 175.89 35.89

;Transect created from transect line: 18

NC 0.04 0.04 0.035
X1 L4 37 0 35.51 0.0 0.0 0 0 0
GR 175.862 0 175.663 1 175.515 2 175.369 3 175.207 4

GR 175.059	5	174.929	6	174.791	7	174.548	8	174.389	9
GR 174.154	10	173.949	11	173.676	12	173.431	13	173.264	14
GR 173.215	15	173.235	16	173.228	17	173.218	18	173.215	19
GR 173.215	20	173.298	21	173.644	22	174.006	23	174.397	24
GR 174.71	25	174.996	26	175.242	27	175.427	28	175.593	29
GR 175.718	30	175.782	31	175.89	32	175.912	33	175.98	34
GR 175.973	35	175.987	35.51						

;Full street, width = 10m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.02m

NC 0.02	0.02	0.013							
X1 LakewoodResRd	7	4	14	0.0	0.0	0.0	0.0	0.0	0.0
GR 0.23	0	0.15	4	0	4	0.1	9	0	14
GR 0.15	14	0.23	18						

NC 0.04	0.04	0.035							
X1 TEC_1	5	1.7	5.02	0.0	0.0	0.0	0.0	0.0	0.0
GR 177.04	0	177.01	1.7	176.74	3.26	177.3	5.02	177.46	6.53

NC 0.04	0.04	0.035							
X1 TEC_2	5	1.88	5.9	0.0	0.0	0.0	0.0	0.0	0.0
GR 176.94	0	176.77	1.88	176.4	3.45	177.26	5.9	177.37	7.33

NC 0.04	0.04	0.035							
X1 TEC_3	5	1.88	5.25	0.0	0.0	0.0	0.0	0.0	0.0
GR 176.75	0	176.66	1.88	176.35	3.27	177.07	5.25	177.18	6.42

NC 0.035	0.035	0.035							
X1 TEC_4	13	5	11	0.0	0.0	0.0	0.0	0.0	0.0
GR 176.965	0	176.957	1	176.946	2	176.912	3	176.914	4
GR 176.89	5	176.844	6	176.744	7	176.507	8	176.559	9
GR 176.926	10	177.102	11	177.347	12				

NC 0.04	0.04	0.035							
X1 Transect_ETLD	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR 176.814	0	176.793	1	176.705	2	176.535	3	176.284	4
GR 175.978	5	175.679	6	175.453	7	175.406	8	175.531	9
GR 175.799	10	176.137	11	176.455	12	176.692	13	176.838	14

NC 0.04	0.04	0.035							
X1 Transect_ETLD1	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR 176.835	0	176.736	1	176.575	2	176.338	3	176.027	4
GR 175.686	5	175.394	6	175.234	7	175.255	8	175.446	9
GR 175.75	10	176.079	11	176.358	12	176.555	13	176.672	14

NC 0.04	0.04	0.035							
X1 Transect_ETLD2	16	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR 176.714	0	176.686	1	176.623	2	176.498	3	176.281	4
GR 175.97	5	175.616	6	175.314	7	175.155	8	175.19	9
GR 175.402	10	175.72	11	176.046	12	176.306	13	176.476	14
GR 176.567	15								

NC 0.04	0.04	0.035							
X1 Transect_ETLD3	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR 176.369	0	176.326	1	176.274	2	176.181	3	176.034	4
GR 175.838	5	175.624	6	175.449	7	175.369	8	175.41	9
GR 175.561	10	175.78	11	176.01	12	176.203	13	176.33	14

NC 0.04	0.04	0.035							
X1 Transect_ETLD4	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR 176.455	0	176.416	1	176.336	2	176.191	3	175.97	4
GR 175.69	5	175.404	6	175.192	7	175.113	8	175.186	9
GR 175.388	10	175.66	11	175.923	12	176.14	13	176.283	14

NC 0.04	0.04	0.035							
---------	------	-------	--	--	--	--	--	--	--

```

X1 Transect_ETLD5 15 0.0 14 0.0 0.0 0.0 0.0 0.0
GR 176.322 0 176.292 1 176.248 2 176.166 3 176.029 4
GR 175.828 5 175.587 6 175.358 7 175.212 8 175.192 9
GR 175.181 10 175.415 11 175.69 12 175.94 13 176.129 14

```

```

NC 0.04 0.04 0.035
X1 Transect_ETLD6 15 0.0 14 0.0 0.0 0.0 0.0 0.0
GR 176.266 0 176.236 1 176.19 2 176.104 3 175.953 4
GR 175.725 5 175.409 6 175.149 7 174.995 8 174.998 9
GR 175.16 10 175.434 11 175.737 12 175.997 13 176.18 14

```

```

NC 0.04 0.04 0.035
X1 Transect_ETLD7 16 0.0 15 0.0 0.0 0.0 0.0 0.0
GR 176.16 0 176.097 1 175.993 2 175.828 3 175.59 4
GR 175.296 5 174.985 6 174.774 7 174.705 8 174.801 9
GR 175.038 10 175.352 11 175.661 12 175.906 13 176.068 14
GR 176.156 15

```

```

NC 0.04 0.04 0.035
X1 Transect_ETLD8 15 0.0 14 0.0 0.0 0.0 0.0 0.0
GR 176.102 0 176.056 1 175.942 2 175.771 3 175.521 4
GR 175.218 5 174.931 6 174.742 7 174.703 8 174.826 9
GR 175.078 10 175.387 11 175.673 12 175.892 13 176.034 14

```

```

NC 0.04 0.04 0.035
X1 TransectETLD3 16 0.0 15 0.0 0.0 0.0 0.0 0.0
GR 176.16 0 176.097 1 175.993 2 175.828 3 175.59 4
GR 175.296 5 174.985 6 174.774 7 174.705 8 174.801 9
GR 175.038 10 175.352 11 175.661 12 175.906 13 176.068 14
GR 176.156 15

```

[LOSSES]

```

;;Link      Inlet      Outlet      Average      Flap Gate      SeepageRate
;;-----
1           0.5          0.5          0             NO              0
1022       0.5          0.5          0             NO              0
1023       0.5          0.5          0             NO              0
1027       0.5          0.5          0             NO              0
1030       0.5          0.5          0             NO              0
1032       0.5          0.5          0             NO              0
1037       0.5          0.5          0             NO              0
1038       0.5          0.5          0             NO              0
1069       0.5          0.5          0             NO              0
1073       0.5          0.5          0             NO              0

```

.....

Too many conduit entities (179382 in total).

[CURVES]

```

;;Name      Type      X-Value      Y-Value
;;-----
BG_PS1     Pump2     0             0
BG_PS1     0.01     0.02015
BG_PS1     4         0.02015

```

;confirm max. PS outflow (tihamer)

```

BG_PS2     Pump2     0             0
BG_PS2     0.1      0.022
BG_PS2     1.88     0.022
BG_PS2     1.89     0.022
BG_PS2     4.26     0.022

```

;Taken from Fairbanks Morse Certified Performance Pump Curve from O&M Manual for PS

```

BRIGHTON_P1_P2_P3_P4 Pump3 3.32 0.965
BRIGHTON_P1_P2_P3_P4 3.72 0.934

```

BRIGHTON_P1_P2_P3_P4	4.24	0.899
BRIGHTON_P1_P2_P3_P4	4.6	0.871
BRIGHTON_P1_P2_P3_P4	5.09	0.832
BRIGHTON_P1_P2_P3_P4	5.43	0.789
BRIGHTON_P1_P2_P3_P4	5.55	0.751
BRIGHTON_P1_P2_P3_P4	5.79	0.722
BRIGHTON_P1_P2_P3_P4	5.94	0.675
BRIGHTON_P1_P2_P3_P4	6.1	0.643

;Taken from Fairbanks Morse Certified Performance Pump Curve from O&M Manual for PS

BRIGHTON_P5_P6	Pump3	5.49	0.094
BRIGHTON_P5_P6		5.94	0.091
BRIGHTON_P5_P6		6.4	0.087
BRIGHTON_P5_P6		6.71	0.084
BRIGHTON_P5_P6		6.86	0.082
BRIGHTON_P5_P6		7.32	0.078
BRIGHTON_P5_P6		7.5	0.075
BRIGHTON_P5_P6		7.77	0.069
BRIGHTON_P5_P6		7.92	0.061
BRIGHTON_P5_P6		8.23	0.05
BRIGHTON_P5_P6		8.53	0.025
BRIGHTON_P5_P6		8.84	0.02
BRIGHTON_P5_P6		9.14	0.013
BRIGHTON_P5_P6		9.75	0.008
BRIGHTON_P5_P6		10.67	0

;pumping capacities confirmed with Spaans theoretical analysis of the screws

E_ST_LOUIS_P1	Pump2	0	0
E_ST_LOUIS_P1		0.39	0
E_ST_LOUIS_P1		0.4	1.69
E_ST_LOUIS_P1		6.799	1.69

;pumping capacities confirmed with Spaans theoretical analysis of the screws

E_ST_LOUIS_P2	Pump2	0	0
E_ST_LOUIS_P2		0.73	0
E_ST_LOUIS_P2		0.74	1.69
E_ST_LOUIS_P2		6.799	1.69

;pumping capacities confirmed with Spaans theoretical analysis of the screws

E_ST_LOUIS_P3	Pump2	0	0
E_ST_LOUIS_P3		1.25	0
E_ST_LOUIS_P3		1.26	1.69
E_ST_LOUIS_P3		6.799	1.69

;PS capacity based on vertical turbine @ 397 L/s taken from operations manual

EXIST_PJ_CECILE_PS1&2	Pump2	0	0
EXIST_PJ_CECILE_PS1&2		0.01	0.397
EXIST_PJ_CECILE_PS1&2		5.33	0.397

;PS capacity based on vertical turbine @ 397 L/s taken from operations manual

EXIST_SCULLY_PS1&2	Pump2	0	0
EXIST_SCULLY_PS1&2		0.01	0.397
EXIST_SCULLY_PS1&2		5.789	0.397

;PS capacity based on vertical turbine @ 347 L/s taken from operations manual

EXIST_ST_MARKS_PS	Pump2	0	0
EXIST_ST_MARKS_PS		0.01	0.347
EXIST_ST_MARKS_PS		6.35	0.347

;Assumed existing PS capacity

;MUST CONFIRM IF PUMP IS ALWAYS ON LAG OR IS IT JUST EMERGENCY

;Lead Screw Pump

LESP_PS1	Pump2	0	0
LESP_PS1		0.38	0

LESP_PS1		0.39	5.66
LESP_PS1		8.38	5.66

;LEAD AUX.

LESP_PS2	Pump2	0	0
LESP_PS2		2.8	0
LESP_PS2		2.81	2.83
LESP_PS2		8.2	2.83

;LAG AUX.

LESP_PS3	Pump2	0	0
LESP_PS3		3.8	0
LESP_PS3		3.81	2.83
LESP_PS3		8.2	2.83

;Taken from KSB Vertical Pump Curves from O&M Manual for PS

MANNING_P1_P2_P3_P4	Pump3	1.5	2.87
MANNING_P1_P2_P3_P4		2.5	2.77
MANNING_P1_P2_P3_P4		3.5	2.64
MANNING_P1_P2_P3_P4		4.5	2.47
MANNING_P1_P2_P3_P4		5.5	2.325
MANNING_P1_P2_P3_P4		6.5	2.125
MANNING_P1_P2_P3_P4		7.5	1.88
MANNING_P1_P2_P3_P4		8	1.72

;Taken from KSB Submersible Pump Curves from O&M Manual for PS

MANNING_P5_P6	Pump3	4.5	0.165
MANNING_P5_P6		5.1	0.16
MANNING_P5_P6		6	0.15
MANNING_P5_P6		6.9	0.14
MANNING_P5_P6		8.4	0.12
MANNING_P5_P6		9.9	0.1
MANNING_P5_P6		11.2	0.08
MANNING_P5_P6		13	0.06
MANNING_P5_P6		14.5	0.04
MANNING_P5_P6		16	0.02
MANNING_P5_P6		17.5	0

PROP_PJ_CECILE_PS1	Pump2	0	0
PROP_PJ_CECILE_PS1		0.01	1.958
PROP_PJ_CECILE_PS1		5.33	1.958

;PROPOSED

PROP_SCULLY_PS1	Pump2	0	0
PROP_SCULLY_PS1		0.01	1.496
PROP_SCULLY_PS1		5.789	1.496

PROP_ST_MARKS_PS1	Pump2	0	0
PROP_ST_MARKS_PS1		0.01	1.605
PROP_ST_MARKS_PS1		6.27	1.605

;REVISED BASED ON NEW SCREW PUMP INFO

REV_E_W_ST.LOUIS	Pump2	0	0
REV_E_W_ST.LOUIS		0.01	1.415
REV_E_W_ST.LOUIS		0.4	1.415
REV_E_W_ST.LOUIS		7.4428	1.415

;Curve taken from Tender for Expansion to Lesperance Road Stormwater PS Town of Tecumseh, A.A. Bo

REV_LESP_2&3	Pump2	2	1.74
REV_LESP_2&3		3	1.69
REV_LESP_2&3		4	1.645
REV_LESP_2&3		5	1.58
REV_LESP_2&3		6.32	1.499
REV_LESP_2&3		7.02	1.45

REV_LESP_2&3		7.7	1.4
REV_LESP_2&3		9	1.3
REV_LESP_2&3		10	1.2

;Revised based on new information provided by the Boscariol letter - Lesperance_Screw Pump Curve

REV_LESP_PS1	Pump2	0	0
REV_LESP_PS1		0.01	1.403
REV_LESP_PS1		0.39	1.403
REV_LESP_PS1		8.38	1.403

;pumping capacities confirmed with Spaans theoretical analysis of the screws

W_ST_LOUIS_P1	Pump2	0	0
W_ST_LOUIS_P1		0.39	0
W_ST_LOUIS_P1		0.4	1.69
W_ST_LOUIS_P1		7.4428	1.69

;pumping capacities confirmed with Spaans theoretical analysis of the screws

W_ST_LOUIS_P2	Pump2	0	0
W_ST_LOUIS_P2		0.732	0
W_ST_LOUIS_P2		0.733	1.69
W_ST_LOUIS_P2		7.4428	1.69

;Fly By CB @ 0.65%

ArbourGroveCB	Rating	0	0
ArbourGroveCB		0.05	0.02
ArbourGroveCB		0.1	0.07
ArbourGroveCB		0.15	0.17
ArbourGroveCB		0.2	0.26
ArbourGroveCB		0.25	0.41
ArbourGroveCB		0.3	0.53

;-combination of in-pipe, parking lot and swale storage (431.29 cu.m storage)

;-confirm if swale has been installed.

200_MANNING_RD	Storage	0	0
200_MANNING_RD		1.097	66.13
200_MANNING_RD		1.948	202.99
200_MANNING_RD		2.192	393.51

AGR_1	Storage	0	47
AGR_1		0.75	1066
AGR_1		1.15	15762

AGR_2	Storage	0	53
AGR_2		0.5	626
AGR_2		1.38	30262

;Existing 1.2m dia. BeachGrove PS WW to Riverside Drive Sewer

BG_WW1	Storage	0	1.14
BG_WW1		4	1.14

BRIGHTON_WW	Storage	0	61.95
BRIGHTON_WW		5.263	61.95

ESTL_DISCHARGECHAMBER	Storage	0	13.068
ESTL_DISCHARGECHAMBER		4.99	13.068

ESTL_WW	Storage	0	90.8
ESTL_WW		5.529	90.8

;Screw Pump Wet Well

LESP_WW1	Storage	0	64.68
LESP_WW1		8.38	64.68

;WET WELL VOLUME FOR SUBMERSIBLE PUMP 1 & 2

LESP_WW2	Storage	0	13.44
LESP_WW2		11.6	13.44
MANNING_AUX.WW	Storage	0	18.7
MANNING_AUX.WW		8.45	18.7
MANNING_WW	Storage	0	234.9
MANNING_WW		7.75	234.9
OUTLET_POOL	Storage	0	43
OUTLET_POOL		0.24	177
OUTLET_POOL		0.91	273
OUTLET_POOL		1.23	388
PJ_CEC_WW	Storage	0	85.36
PJ_CEC_WW		5.334	85.36
SCULLY_WW	Storage	0	85.36
SCULLY_WW		5.789	85.36
STMARKS_WW	Storage	0	85.36
STMARKS_WW		6.35	85.36

```

;SWM pond curve for the Lakewood subdivision
SWMPondCurve Storage 0 1650
SWMPondCurve 0.1 1739
SWMPondCurve 0.2 1828
SWMPondCurve 0.3 1917
SWMPondCurve 0.4 2500
SWMPondCurve 0.5 2700
SWMPondCurve 0.7 2800
SWMPondCurve 0.8 2900
SWMPondCurve 1 3000
SWMPondCurve 1.7 3300
SWMPondCurve 2.23 3500

```

```

;Wet well for West St. Louis PS
WSTL_WW Storage 0 127.955
WSTL_WW 9.84 127.955

```

```

[TIMESERIES]
; ;Name Date Time Value
; ;-----
C-10_24HR 0:00 0
C-10_24HR 0:10 0.51
C-10_24HR 0:20 0.52
C-10_24HR 0:30 0.53
C-10_24HR 0:40 0.54
C-10_24HR 0:50 0.55
C-10_24HR 1:00 0.56
C-10_24HR 1:10 0.57
C-10_24HR 1:20 0.59
C-10_24HR 1:30 0.6
C-10_24HR 1:40 0.61
C-10_24HR 1:50 0.63
C-10_24HR 2:00 0.65
C-10_24HR 2:10 0.66
C-10_24HR 2:20 0.68
C-10_24HR 2:30 0.7
C-10_24HR 2:40 0.72
C-10_24HR 2:50 0.74
C-10_24HR 3:00 0.76
C-10_24HR 3:10 0.78
C-10_24HR 3:20 0.81

```


C-10_24HR	3:30	0.84
C-10_24HR	3:40	0.87
C-10_24HR	3:50	0.9
C-10_24HR	4:00	0.93
C-10_24HR	4:10	0.97
C-10_24HR	4:20	1.01
C-10_24HR	4:30	1.05
C-10_24HR	4:40	1.1
C-10_24HR	4:50	1.16
C-10_24HR	5:00	1.22
C-10_24HR	5:10	1.28
C-10_24HR	5:20	1.36
C-10_24HR	5:30	1.44
C-10_24HR	5:40	1.54
C-10_24HR	5:50	1.65
C-10_24HR	6:00	1.79
C-10_24HR	6:10	1.95
C-10_24HR	6:20	2.14
C-10_24HR	6:30	2.37
C-10_24HR	6:40	2.67
C-10_24HR	6:50	3.07
C-10_24HR	7:00	3.6
C-10_24HR	7:10	4.38
C-10_24HR	7:20	5.61
C-10_24HR	7:30	7.83
C-10_24HR	7:40	12.89
C-10_24HR	7:50	33.9
C-10_24HR	8:00	122.96
C-10_24HR	8:10	44.98
C-10_24HR	8:20	22.86
C-10_24HR	8:30	14.89
C-10_24HR	8:40	10.93
C-10_24HR	8:50	8.6
C-10_24HR	9:00	7.08
C-10_24HR	9:10	6.01
C-10_24HR	9:20	5.23
C-10_24HR	9:30	4.63
C-10_24HR	9:40	4.15
C-10_24HR	9:50	3.77
C-10_24HR	10:00	3.45
C-10_24HR	10:10	3.18
C-10_24HR	10:20	2.96
C-10_24HR	10:30	2.76
C-10_24HR	10:40	2.59
C-10_24HR	10:50	2.44
C-10_24HR	11:00	2.31
C-10_24HR	11:10	2.19
C-10_24HR	11:20	2.09
C-10_24HR	11:30	1.99
C-10_24HR	11:40	1.9
C-10_24HR	11:50	1.83
C-10_24HR	12:00	1.75
C-10_24HR	12:10	1.69
C-10_24HR	12:20	1.63
C-10_24HR	12:30	1.57
C-10_24HR	12:40	1.52
C-10_24HR	12:50	1.47
C-10_24HR	13:00	1.42
C-10_24HR	13:10	1.38
C-10_24HR	13:20	1.34
C-10_24HR	13:30	1.3
C-10_24HR	13:40	1.27
C-10_24HR	13:50	1.23
C-10_24HR	14:00	1.2

C-10_24HR	14:10	1.17
C-10_24HR	14:20	1.14
C-10_24HR	14:30	1.12
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C-10_24HR	15:00	1.04
C-10_24HR	15:10	1.02
C-10_24HR	15:20	1
C-10_24HR	15:30	0.98
C-10_24HR	15:40	0.96
C-10_24HR	15:50	0.94
C-10_24HR	16:00	0.92
C-10_24HR	16:10	0.91
C-10_24HR	16:20	0.89
C-10_24HR	16:30	0.87
C-10_24HR	16:40	0.86
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C-10_24HR	17:00	0.83
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C-10_24HR	17:30	0.79
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C-10_24HR	18:20	0.73
C-10_24HR	18:30	0.72
C-10_24HR	18:40	0.71
C-10_24HR	18:50	0.7
C-10_24HR	19:00	0.69
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C-10_24HR	19:20	0.68
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C-100_24HR	2:00	0.78

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C-100_4HR	3:50	3.81
C-100_4HR	4:00	3.57

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C-2_24HR	1:40	0.49
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C-2_24HR	5:30	1.09
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C-2_24HR	6:00	1.33
C-2_24HR	6:10	1.44
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C-2_24HR	6:50	2.2
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C-2_24HR	7:30	5.21
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C-2_24HR	8:40	7.11
C-2_24HR	8:50	5.69
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C-2_24HR	9:30	3.21
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C-2_24HR	9:50	2.66
C-2_24HR	10:00	2.45
C-2_24HR	10:10	2.28
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C-2_24HR	13:10	1.04
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C-2_4HR	1:20	83.69
C-2_4HR	1:30	28
C-2_4HR	1:40	14.3
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C-2_4HR	2:00	7.11
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C-2_4HR	3:30	2.28
C-2_4HR	3:40	2.13
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C-5_24HR	6:50	2.71
C-5_24HR	7:00	3.17
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C-5_24HR	7:20	4.88
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C-5_24HR	10:20	2.62
C-5_24HR	10:30	2.45
C-5_24HR	10:40	2.3
C-5_24HR	10:50	2.17
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C-5_24HR	12:00	1.57
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C-5_24HR	13:20	1.21
C-5_24HR	13:30	1.17
C-5_24HR	13:40	1.14
C-5_24HR	13:50	1.11
C-5_24HR	14:00	1.08
C-5_24HR	14:10	1.06
C-5_24HR	14:20	1.03
C-5_24HR	14:30	1.01
C-5_24HR	14:40	0.99
C-5_24HR	14:50	0.96
C-5_24HR	15:00	0.94
C-5_24HR	15:10	0.92
C-5_24HR	15:20	0.9
C-5_24HR	15:30	0.89
C-5_24HR	15:40	0.87
C-5_24HR	15:50	0.85
C-5_24HR	16:00	0.84
C-5_24HR	16:10	0.82
C-5_24HR	16:20	0.81
C-5_24HR	16:30	0.79
C-5_24HR	16:40	0.78
C-5_24HR	16:50	0.77
C-5_24HR	17:00	0.75
C-5_24HR	17:10	0.74
C-5_24HR	17:20	0.73
C-5_24HR	17:30	0.72
C-5_24HR	17:40	0.71
C-5_24HR	17:50	0.7
C-5_24HR	18:00	0.69
C-5_24HR	18:10	0.68
C-5_24HR	18:20	0.67
C-5_24HR	18:30	0.66
C-5_24HR	18:40	0.65
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C-5_24HR	19:00	0.63
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C-5_24HR	19:20	0.62
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C-5_24HR	19:40	0.6
C-5_24HR	19:50	0.59
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C-5_24HR	20:10	0.58
C-5_24HR	20:20	0.57
C-5_24HR	20:30	0.57
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C-5_24HR	20:50	0.55
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C-5_24HR	21:20	0.53
C-5_24HR	21:30	0.53
C-5_24HR	21:40	0.52
C-5_24HR	21:50	0.52
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C-5_24HR	22:10	0.51
C-5_24HR	22:20	0.5
C-5_24HR	22:30	0.5
C-5_24HR	22:40	0.49
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C-5_24HR	23:00	0.48
C-5_24HR	23:10	0.48
C-5_24HR	23:20	0.47
C-5_24HR	23:30	0.47
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C-5_4HR	0:40	4.88
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C-5_4HR	1:10	28.71
C-5_4HR	1:20	107.37
C-5_4HR	1:30	38.11
C-5_4HR	1:40	19.35
C-5_4HR	1:50	12.68
C-5_4HR	2:00	9.36
C-5_4HR	2:10	7.4
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C-5_4HR	2:30	5.22
C-5_4HR	2:40	4.56
C-5_4HR	2:50	4.05
C-5_4HR	3:00	3.64
C-5_4HR	3:10	3.31
C-5_4HR	3:20	3.04
C-5_4HR	3:30	2.81
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C-50_24HR	0:20	0.65
C-50_24HR	0:30	0.66
C-50_24HR	0:40	0.68
C-50_24HR	0:50	0.69
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C-50_24HR	1:50	0.79
C-50_24HR	2:00	0.81
C-50_24HR	2:10	0.83
C-50_24HR	2:20	0.86
C-50_24HR	2:30	0.88
C-50_24HR	2:40	0.9
C-50_24HR	2:50	0.93
C-50_24HR	3:00	0.96
C-50_24HR	3:10	0.99
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C-50_24HR	3:50	1.13
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C-50_24HR	4:40	1.39
C-50_24HR	4:50	1.46
C-50_24HR	5:00	1.54
C-50_24HR	5:10	1.63
C-50_24HR	5:20	1.72
C-50_24HR	5:30	1.83
C-50_24HR	5:40	1.96
C-50_24HR	5:50	2.11

C-50_24HR	6:00	2.28
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C-50_24HR	6:20	2.73
C-50_24HR	6:30	3.04
C-50_24HR	6:40	3.43
C-50_24HR	6:50	3.95
C-50_24HR	7:00	4.65
C-50_24HR	7:10	5.68
C-50_24HR	7:20	7.3
C-50_24HR	7:30	10.24
C-50_24HR	7:40	16.99
C-50_24HR	7:50	44.74
C-50_24HR	8:00	157.88
C-50_24HR	8:10	59.3
C-50_24HR	8:20	30.24
C-50_24HR	8:30	19.65
C-50_24HR	8:40	14.37
C-50_24HR	8:50	11.27
C-50_24HR	9:00	9.25
C-50_24HR	9:10	7.83
C-50_24HR	9:20	6.79
C-50_24HR	9:30	6
C-50_24HR	9:40	5.37
C-50_24HR	9:50	4.87
C-50_24HR	10:00	4.45
C-50_24HR	10:10	4.1
C-50_24HR	10:20	3.8
C-50_24HR	10:30	3.55
C-50_24HR	10:40	3.33
C-50_24HR	10:50	3.13
C-50_24HR	11:00	2.96
C-50_24HR	11:10	2.81
C-50_24HR	11:20	2.67
C-50_24HR	11:30	2.54
C-50_24HR	11:40	2.43
C-50_24HR	11:50	2.33
C-50_24HR	12:00	2.24
C-50_24HR	12:10	2.15
C-50_24HR	12:20	2.07
C-50_24HR	12:30	2
C-50_24HR	12:40	1.93
C-50_24HR	12:50	1.87
C-50_24HR	13:00	1.81
C-50_24HR	13:10	1.75
C-50_24HR	13:20	1.7
C-50_24HR	13:30	1.65
C-50_24HR	13:40	1.61
C-50_24HR	13:50	1.56
C-50_24HR	14:00	1.52
C-50_24HR	14:10	1.48
C-50_24HR	14:20	1.45
C-50_24HR	14:30	1.41
C-50_24HR	14:40	1.38
C-50_24HR	14:50	1.35
C-50_24HR	15:00	1.32
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C-50_24HR	15:20	1.26
C-50_24HR	15:30	1.24
C-50_24HR	15:40	1.21
C-50_24HR	15:50	1.19
C-50_24HR	16:00	1.17
C-50_24HR	16:10	1.14
C-50_24HR	16:20	1.12
C-50_24HR	16:30	1.1

C-50_24HR	16:40	1.08
C-50_24HR	16:50	1.07
C-50_24HR	17:00	1.05
C-50_24HR	17:10	1.03
C-50_24HR	17:20	1.01
C-50_24HR	17:30	1
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C-50_24HR	17:50	0.97
C-50_24HR	18:00	0.95
C-50_24HR	18:10	0.94
C-50_24HR	18:20	0.92
C-50_24HR	18:30	0.91
C-50_24HR	18:40	0.9
C-50_24HR	18:50	0.89
C-50_24HR	19:00	0.87
C-50_24HR	19:10	0.86
C-50_24HR	19:20	0.85
C-50_24HR	19:30	0.84
C-50_24HR	19:40	0.83
C-50_24HR	19:50	0.82
C-50_24HR	20:00	0.81
C-50_24HR	20:10	0.8
C-50_24HR	20:20	0.79
C-50_24HR	20:30	0.78
C-50_24HR	20:40	0.77
C-50_24HR	20:50	0.76
C-50_24HR	21:00	0.75
C-50_24HR	21:10	0.74
C-50_24HR	21:20	0.74
C-50_24HR	21:30	0.73
C-50_24HR	21:40	0.72
C-50_24HR	21:50	0.71
C-50_24HR	22:00	0.7
C-50_24HR	22:10	0.7
C-50_24HR	22:20	0.69
C-50_24HR	22:30	0.68
C-50_24HR	22:40	0.68
C-50_24HR	22:50	0.67
C-50_24HR	23:00	0.66
C-50_24HR	23:10	0.66
C-50_24HR	23:20	0.65
C-50_24HR	23:30	0.64
C-50_24HR	23:40	0.64
C-50_24HR	23:50	0.63
C-50_24HR	24:00	0.62

[REPORT]

INPUT NO
CONTROLS NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]

Subcatch	E1	COMM
Subcatch	E10	FUTURE
Subcatch	E100	Village_Grove
Subcatch	E101	Village_Grove
Subcatch	E11	FUTURE
Subcatch	E112_3	Village_Grove
Subcatch	E114	Village_Grove
Subcatch	E118	Village_Grove
Subcatch	E119	Village_Grove
Subcatch	E12	FUTURE

.....
Too many tags (252205 in total).

[MAP]
DIMENSIONS 343326.8323 4682184.71215 348504.3277 4688897.15085
UNITS Meters

[COORDINATES]
;;Node X-Coord Y-Coord
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200Manning_STM 346025.818 4686851.827
ANT-1 345201.264 4683113.967
ANT-2 345380.318 4683385.545
Auto_J 344041.481 4686199.523
BD-0 345129.684 4684255.418
BD-1 345236.348 4684279.65
BD-2 345598.821 4684324.004
BD-3 345617.661 4684377.516
BD-4 345716.802 4684388.023
BD-4B 345722.441 4684388.506

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Too many junction entities (67413 in total).

[VERTICES]
;;Link X-Coord Y-Coord
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1038 343887.355 4686116.414
1038 343914.581 4686116.717
1073 343691.402 4686151.803
1188 344843.681 4686481.129
1288 345729.054 4687642.208
1288 345727.237 4687645.878
135_3 345921.465 4685755.776
135_3 345922.569 4685775.369
135_4 345915.72 4685660.566
150_2 345911.178 4685584.629
16 344177.298 4688436.756
1668 345118.203 4688090.3
17 344169.758 4688427.761
1705 347822.087 4685953.278
1707 347932.823 4685981.643
1713 347815.05 4685834.776
1713 347817.086 4685844.384
1713 347818.145 4685853.258
1713 347818.876 4685864.003
1716 347800.435 4685806.074
1716 347803.512 4685810.174
1716 347806 4685814.128
1716 347809.807 4685820.572
190 344598.133 4685871.101
1928 347835.917 4686950.441
1930 347852.031 4686920.03
1930 347856.749 4686932.124
1932 347856.09 4686835.069
1932 347854.738 4686842.573
1932 347853.006 4686852.186
1932 347849.893 4686869.459
1932 347846.002 4686891.053
1932 347844.734 4686898.088
1945 347836.228 4686708.099
1945 347837.67 4686716.051
1945 347841.375 4686736.472
1945 347844.781 4686755.242
1945 347846.251 4686763.344

1945	347847.558	4686770.549
1945	347852.457	4686797.56
1988	347269.618	4685980.064
1990	347394.745	4685972.201
2193	347810.891	4686193.205
223	344587.093	4685855.459
2292	347908.251	4686302.207
231	344241.837	4688017.398
231	344237.165	4688047.266
231	344235.519	4688056.25
2333	347724.705	4686996.392
2372	345918.936	4686142.39
2372	345837.913	4686141.204
2374_2	345655.807	4686138.175
2374_2	345654.936	4686138.171
2378_2	345934.99	4685939.315
2378_2	345935.863	4685953.612
2378_4	345931.607	4685889.507
2382_1	345942.326	4686029.479
2382_1	345942.377	4686030.417
2382_1	345942.41	4686030.994
2382_2	345943.854	4686057.223
2382_2	345943.915	4686058.069
2382_2	345944.02	4686059.523
2382_2	345947.426	4686107.077
2382_2	345947.565	4686109.007
24_1	344202.104	4688264.635
24_1	344187.211	4688357.731
24_1	344186.154	4688369.867
24_2	344184.245	4688392.963
24_2	344182.789	4688402.852
24_2	344178.292	4688429.093
2412	347828.993	4686534.408
2412	347832.292	4686557.254
2412	347836.591	4686587.013
2412	347839.157	4686604.775
2412	347840.423	4686613.537
2412	347840.904	4686616.863
24353	344092.138	4686027.918
24353	344091.101	4686034.804
24353	344091.067	4686035.026
24353	344090.531	4686038.588
24353	344090.281	4686040.247
24353	344087.543	4686058.594
24353	344084.235	4686080.659
24353	344084.064	4686081.795
24353	344081.701	4686097.556
24753	344109.681	4685911.937
24753	344109.039	4685916.223
24753	344106.694	4685931.57
24753	344105.905	4685936.994
24753	344104.176	4685948.368
24753	344104.074	4685949.009
24753	344104.044	4685949.196
24753	344103.129	4685954.953
24754	344122.535	4685829.274
24754	344122.474	4685829.661
24754	344120.143	4685844.779
24754	344118.954	4685852.341
24754	344118.236	4685856.911
24754	344118.095	4685857.81
24754	344116.205	4685869.834
24754	344116.169	4685870.061
24754	344115.625	4685873.524

24754	344115.352	4685875.264
24754	344113.774	4685885.728
24754	344111.893	4685897.749
24754	344110.702	4685905.367
24755	344138.056	4685727.741
24755	344136.35	4685738.919
24755	344134.644	4685750.097
24755	344132.938	4685761.275
24755	344131.232	4685772.454
24755	344129.526	4685783.632
24756	344152.161	4685636.524
24756	344149.611	4685653.289
24756	344148.836	4685657.952
24756	344146.736	4685671.858
24756	344146.07	4685675.999
24756	344144.074	4685688.745
24756	344144.005	4685689.173
24756	344143.168	4685695.021
24756	344142.699	4685697.982
24756	344142.197	4685701.155
24756	344142.155	4685701.423
24756	344140.535	4685711.658
2537	345034.093	4685919.949
26353	344209.128	4685807.703
26353	344202.647	4685806.673
26353	344196.771	4685805.739
26353	344193.225	4685805.176
26353	344183.021	4685803.555
26353	344179.618	4685803.014
26353	344172.164	4685801.829
26353	344171.626	4685801.744
26353	344168.955	4685801.319
26353	344158.222	4685799.614
26353	344149.448	4685798.242
26354	344247.515	4685814.246
26354	344245.617	4685813.924
26354	344231.082	4685811.45
26354	344229.766	4685811.227
26354	344214.618	4685808.63
26355	344259.248	4685811.731
26355	344258.933	4685813.719
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28_1	345290.913	4688112.04
28_1	345292.07	4688112.529
28_2	345293.315	4688112.974
2832	344666.156	4685328.771
2833	344660.243	4685364.394
2834_1	344646.999	4685446.974
2861_1	344752.459	4684781.416
2861	344804.316	4684446.609
2861	344842.191	4684205.917
290	344528.348	4686239.686
2904	345045.841	4684078.234
2904	344996.76	4684070.386
2954	344843.255	4684121.293
2972	344919.307	4684354.32
2988	344927.03	4684349.143
30	345190.597	4688116.72
30	345187.64	4688151.664
301	344616.977	4685758.548
302	344815.56	4685791.068
3052	345045.74	4684079.526
3052	344996.562	4684071.975
3055	344995.173	4684071.993

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3056	344994.082	4684071.895
3056	344986.039	4684120.543
3059	344985.193	4684121.831
3059	344961.776	4684178.583
3060	344987.178	4684122.229
3060	344963.63	4684178.716
3063	344962.805	4684180.617
3063	344966.141	4684227.006
3064	344961.346	4684180.408
3064	344964.994	4684226.902
3094	344892.291	4683981.385
3096	344927.266	4683768.412
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329	344759.989	4686126.107
329	344755.928	4686125.838
329	344751.924	4686125.572
329	344747.962	4686125.31
3391	344955.785	4683459.976
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3392	344954.363	4683503.888
354	344753.874	4685780.789
3779	344727.136	4687393.506
3827	345218.467	4686131.822
3827	345179.915	4686131.276
3827	345111.674	4686130.307
3845_1	345747.195	4686139.466
385	344478.215	4688271.137
3863	345038.187	4686134.546
3863	345036.698	4686134.782
3872	344956.636	4686147.441
3872	344929.977	4686151.58
3872	344907.39	4686155.088
3879	347841.742	4686640.869
3879	347838.661	4686674.161
3879	347837.408	4686687.717
3894	345534.61	4686136.658
3896	345464.343	4686135.341
3896	345385.741	4686133.616
3902	345356	4686133.146
3902	345301.873	4686132.631
3902	345301.21	4686132.625
3902	345272.341	4686132.351
3902	345242.561	4686132.068
3903	344902.137	4686155.864
3903	344898.257	4686158.739
3903	344892.685	4686157.687
3904	344902.141	4686155.942
3904	344897.406	4686154.604
3904	344892.704	4686157.766
3905	344876.813	4686160.513
3905	344872.084	4686161.34
3917	345940.028	4685987.768
3917	345940.999	4686005.385
3918	345951.542	4686182.494
3918	345951.704	4686185.425
3918	345953.412	4686216.503
3918	345954.284	4686232.342
3934	345956.773	4686275.578
3934	345958.321	4686298.683
3934	345964.928	4686369.145
3934	345965.137	4686373.349
3934	345969.939	4686470.443
3934	345969.99	4686471.475

3939	345972.297	4686509.998
3939	345974.003	4686537.37
3939	345977.021	4686585.823
3939	345977.218	4686588.985
3939	345977.81	4686598.461
3939	345982.027	4686668.245
3939	345982.311	4686672.927
3939	345982.412	4686674.602
3939	345985.494	4686725.587
402	345307.87	4688142.292
4067	344778.81	4686097.207
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4413	344794.086	4686020.593
4413	344792.178	4686032.902
4413	344785.181	4686077.983
4413	344783.897	4686086.246
4413	344783.731	4686087.295
4525	347906.135	4686038.627
4525	347906.184	4686038.261
4552	345603.446	4687513.555
4626	347119.775	4685994.254
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4649_1	347555.177	4685958.981
4649_1	347562.503	4685957.439
4649_2	347568.028	4685956.538
4649_2	347576.126	4685955.125
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4649_2	347592.062	4685952.81
4649_2	347602.474	4685951.782
4649_2	347613.783	4685951.012
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704	345188.283	4687682.461
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820	344290.879	4686120.127
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A2	345390.701	4683393.599
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A2	345421.775	4683414.238
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B4	345679.862	4684384.183
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C161	345561.911	4685801.016
C166_1	343913.942	4685556.225
C166_2	343913.942	4685604.718
C171	343737.15	4685835.226
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C172	343749.609	4685748.979
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C176855	347487.286	4687025.456
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C182	345193.901	4685910.421
C183	345176.356	4686013.555
C183	345162.282	4686015.428
C185_1	344491.405	4685577.424
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C212_2	344827.866	4687468.147
C222_2	344607.403	4688139.036
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C222_5	344620.803	4688051.465
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ESTL_P1_OUT1	345625.914	4687916.146
ESTL_P1_OUT3	345631.662	4687915.928
KEITH_STM	344648.443	4687952.453
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MHE1A	347391.902	4686987.732
MHE1A	347422.777	4687006.149
MHE1B	347343.842	4686921.003
MHR1B	347354.015	4687024.401
MHR1B	347307.143	4687038.43
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MHRV2	346962.568	4687306.795
MHRV3	346951.712	4687335.802
MHSM7	346983.622	4687197.647
PondOutPipe1	346063.91	4686986.436
STM4137	346782.457	4687388.228
BRIGHTON_LAG_P2	347896.129	4685975.531
BRIGHTON_LAG_P2	347900.822	4685975.489
BRIGHTON_LAG_P3	347896.254	4685974.609
BRIGHTON_LAG_P3	347900.32	4685974.399
BRIGHTON_LEAD_P1	347895.961	4685976.537
BRIGHTON_LEAD_P1	347898.559	4685976.495
BRIGHTON_LEAD_P1	347901.493	4685976.369
BRIGHTON_P5/6	347894.643	4685971.612
BRIGHTON_P5/6	347901.738	4685971.161
EST_L_P1	345625.667	4687895.191
EST_L_P1	345624.911	4687904.375
EST_L_P3	345631.933	4687894.705
EST_L_P3	345631.933	4687904.213
LP2	344168.008	4688459.437
LP3	344164.343	4688458.874
MANNING_LAG_P2	346070.781	4687738.105
MANNING_LAG_P2	346075.098	4687738.025
MANNING_LEAD_P1	346070.221	4687740.024
MANNING_LEAD_P1	346075.817	4687739.704

MANNING_P5/6	346071.054	4687734.47
MANNING_P5/6	346072.345	4687734.699
MANNING_P5/6	346073.636	4687734.929
MANNING_P5/6	346074.926	4687735.158
MANNING_P5/6	346077.068	4687758.594
P1	347508.944	4687121.146
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WST_L_P2	345309.601	4688154.553
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CIP36	344041.491	4686103.652
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MASON_STM	345088.082	4687746.569
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OR359	344342.841	4687379.19
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E102_5	347896.452	4686557.44

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Too many subcatchment entities (1277 in total).

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[SYMBOLS]
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;;Name          Links
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"Lesperance Road Trunk Sewer" 2835 4420 4430 228 4416
"Lesperance Road Trunk Sewer" 223 219_1 219_2 213 209
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"Lesperance Road Trunk Sewer" 293 289 290 76 76.1
"Lesperance Road Trunk Sewer" 76.2_1 76.2_2 76.3 276 C8
"Lesperance Road Trunk Sewer" C9 73 C14 67 C16
"Lesperance Road Trunk Sewer" 59 C17 C18 C19 50
"Lesperance Road Trunk Sewer" C20 C21 253_1 253_2 243
"Lesperance Road Trunk Sewer" C22 C23 268 C24 258
"Lesperance Road Trunk Sewer" C25 C26 255 C27 231
"Lesperance Road Trunk Sewer" 95 C28 24_1 24_2
"Tecumseh Road - Western Limit to Lesperance Road" 1073 63168 1069 1038 1037
"Tecumseh Road - Western Limit to Lesperance Road" 833 827 45168 820 815
"Tecumseh Road - Western Limit to Lesperance Road" 1263
"Tecumseh Road - Manning Road to Lesperance Road" 3838 2372 3845_1 3845_2 2374_1
"Tecumseh Road - Manning Road to Lesperance Road" 2374_2 3894 3896 3902 3827
"Tecumseh Road - Manning Road to Lesperance Road" 3863 3872 3903 3905 3906
"Tecumseh Road - Manning Road to Lesperance Road" C44 323
"ETLD from CR42 to CR22" E5 ETLD_C21 E6 ETLD_C20 E7
"ETLD from CR42 to CR22" ETLD_C19 E8 ETLD_C18 E9 ETLD_C17
"ETLD from CR42 to CR22" E10 ETLD_C16 E11 ETLD_C15 E12
"ETLD from CR42 to CR22" ETLD_C14 E13 ETLD_C13 E14 ETLD_C12
"ETLD from CR42 to CR22" E15 ETLD_C11 E16 ETLD_C10 E17
"ETLD from CR42 to CR22" ETLD_C9 E18 ETLD_C8 E49 E19
"ETLD from CR42 to CR22" ETLD_C7 E20 ETLD_C6 E21 ETLD_C5
"ETLD from CR42 to CR22" E22 ETLD_C4 E23 ETLD_C3 E24
"ETLD from CR42 to CR22" E25 ETLD_C2 E26 ETLD_C1 E27_1
"ETLD from CR42 to CR22" E27_3 E27_4 2386
"Gauthier_Valente Court Minor" 2526 2521 1765 1762 1611
"Gauthier_Valente Court Minor" 1608 1604 1259 1258 249
"Gauthier_Valente Court Minor" ORIFICE VALENT C22
"Roxbury Crescent - Minor" 1755 1758 1761 246 C23
"Oliver Drive - Minor" 638 641 642 645 C204
"Oliver Drive - Minor" OR78 C24
"Village Grove Trunk to Brighton PS" C29 4573 1854 1848 1851
"Village Grove Trunk to Brighton PS" 2169 2168 2164 4631 4629
"Village Grove Trunk to Brighton PS" 4627 4626 1986 1988 1990
"Village Grove Trunk to Brighton PS" 4645 4649_1 4649_2 4636 1709
"Village Grove Trunk to Brighton PS" 1705 1507 6007 6017
"Dillon_@Lesp_Minor" 735 734 731 724 723
"Dillon_@Lesp_Minor" 94 C28
"Cedarwood_@Lesp_Minor" C203 1022 1023 267 C25
"Oliver_@Lesp_Minor" 636 638 641 642 645
"Oliver_@Lesp_Minor" C204 OR78 C24
"Regency_@Lesp_Minor" 1617 1755 1758 1761 246
"Regency_@Lesp_Minor" C23
"Evergreen_Minor " C200 C201 C202 253_2
"Papineau_Minor " 1242 1248 1247 ORIFICE_PAP C20
"Gauthier_Minor " 614 1254 1251 60 C19
"Gauthier_Minor " 50
"St. Thomas_@Lesp_Minor" 888 885 880 875 876
"St. Thomas_@Lesp_Minor" 65 C18
"Orchard_Minor " 1674 1677 1682 72 C16
"Baillargeon_Minor" 1685 1690 1027 271 C14
"McNorton_@Lesp_Minor" 65170 16354 1032 1030 277
"McNorton_@Lesp_Minor" C8 C9
"Southfield_Minor" 1103 C37_1 C37_3 C37_4 899
"Southfield_Minor" 893 1086 1083_1 1083_2 ORIFICE_SF
"Southfield_Minor" C45
"Green Valley_Minor" C60 C61 2646 2643 2640
"Green Valley_Minor" 2639 2325 2320 1496 1490
"Green Valley_Minor" 1489 1398 1397

Appendix B-2

Future Condition PCSWMM Model Input Files

```

[OPTIONS]
;;Options          Value
;;-----
FLOW_UNITS        CMS
INFILTRATION      CURVE_NUMBER
FLOW_ROUTING      DYNWAVE
LINK_OFFSETS      DEPTH
MIN_SLOPE         0
ALLOW_PONDING     NO
SKIP_STEADY_STATE NO
START_DATE        08/01/2017
START_TIME        00:00:00
REPORT_START_DATE 08/01/2017
REPORT_START_TIME 00:00:00
END_DATE          08/01/2017
END_TIME          16:00:00
SWEEP_START       01/01
SWEEP_END         12/31
DRY_DAYS          0
REPORT_STEP       00:05:00
WET_STEP          00:05:00
DRY_STEP          00:05:00
ROUTING_STEP      0.3
INERTIAL_DAMPING  FULL
NORMAL_FLOW_LIMITED BOTH
FORCE_MAIN_EQUATION H-W
VARIABLE_STEP     1.5
LENGTHENING_STEP 0
MIN_SURFAREA     0.10
MAX_TRIALS        50
HEAD_TOLERANCE    0.0015
SYS_FLOW_TOL     5
LAT_FLOW_TOL     5
MINIMUM_STEP     0.5
THREADS          8

```

```

[EVAPORATION]
;;Type          Parameters
;;-----
CONSTANT        0.0
DRY_ONLY        NO

```

```

[RAINGAGES]
;;           Rain      Time   Snow   Data
;;Name      Type      Intrvl Catch  Source
;;-----
Raingage_1  INTENSITY 0:10   1.0   TIMESERIES C-100_4HR

```

```

[SUBCATCHMENTS]
;;
;;Name      Raingage      Outlet      Total Area      Pcnt. Imperv      Width      Pcnt. Slope      Curb Length      P
;;-----
;Beachgrove - Must add PS outletting to STM3542
BG_1      Raingage_1      BG_PS      32.1603      3.004      663.099      0.25      0
;to BGGC PS
BG_2      Raingage_1      BG_PS2     5.3031      1.61      155.974      0.25      0
;Area to be reconstructed?

```

Coro_S116_1	Raingage_1	Coro_J2312	1.3343	35.067	222.383	0.1	0
;Area to be reconstructed?							
Coro_S116_2	Raingage_1	Coro_J2315	1.8818	35.067	224.024	0.1	0
;Area to be reconstructed?							
Coro_W182_2	Raingage_1	Coro_J2497	1.1622	39.599	46.303	0.25	0
;Area to be reconstructed?							
Coro_W182_3	Raingage_1	Coro_J2501	0.7824	39.599	31.171	0.25	0
;Area to be reconstructed?							
Coro_W182_4	Raingage_1	Coro_J2499	0.8155	39.599	32.49	0.25	0
;Area to be reconstructed?							
Coro_W632_2	Raingage_1	Coro_J2491	0.9016	43.834	112.7	0.25	0
;Area to be reconstructed?							
Coro_W632_3	Raingage_1	Coro_J2439	0.9069	43.834	151.15	0.25	0
;Area to be reconstructed?							
Coro_W632_4	Raingage_1	Coro_J2413	1.2144	43.834	186.831	0.25	0
;Area to be reconstructed?							
Coro_W633_2	Raingage_1	Coro_J2399	2.0494	41.214	170.783	0.1	0
Coro_W650_10	Raingage_1	Coro_J32	1.4792	42.293	29.883	0.1	0
Coro_W650_5	Raingage_1	Coro_J2266	0.3413	42.293	85.325	0.25	0
;Area to be reconstructed?							
Coro_W659_1	Raingage_1	Coro_J2404	0.4935	44.045	123.375	0.1	0
;Area to be reconstructed?							
Coro_W659_2	Raingage_1	Coro_J2319	0.5802	44.045	145.05	0.1	0
;Area to be reconstructed?							
Coro_W659_3	Raingage_1	Coro_J2321	0.8315	44.045	151.182	0.1	0
;Area to be reconstructed?							
Coro_W659_5	Raingage_1	Coro_J2324	0.3976	44.045	99.4	0.1	0
;Area to be reconstructed?							
Coro_W660_1	Raingage_1	D3	0.4757	33.934	79.283	0.25	0
;Area to be reconstructed?							
Coro_W661_1	Raingage_1	Coro_J2264	1.2488	45.866	192.123	0.25	0
;Area to be reconstructed?							
Coro_W661_2	Raingage_1	Coro_J2149	0.6004	45.866	100.067	0.1	0
;Confirm SWM Design and Outlet Location with Town							
E1	Raingage_1	J264	1.642569	90.111	91.764	0.25	0
E10	Raingage_1	MHB3	0.71331	41.332	68.588	0.25	0
E100	Raingage_1	CB2015_1949	0.591238	50.198	100.21	0.25	0
E101	Raingage_1	CB2016_1950	0.867077	46.165	139.851	0.25	0
E102_1	Raingage_1	J117	0.1441	53.259	34.31	0.25	0
E102_2	Raingage_1	J176	0.2694	53.259	64.143	0.25	0
E102_3	Raingage_1	J178	0.1429	53.259	34.024	0.25	0
E102_5	Raingage_1	J175	0.129	53.259	30.714	0.25	0
E102_6	Raingage_1	J102	0.194	53.259	25.867	0.25	0
E102_7	Raingage_1	J177	0.1099	53.259	26.167	0.25	0
E102_8	Raingage_1	CB2138	0.0468	53.259	15.6	0.25	0
E103_2	Raingage_1	CB2046_2047	0.5142	56.713	69.486	0.25	0
E103_3	Raingage_1	J192	0.1119	56.713	31.971	0.25	0
E103_4	Raingage_1	J193	0.08	56.713	22.857	0.25	0
E104	Raingage_1	J110	0.275469	63.558	49.191	0.25	0
E105	Raingage_1	J109	0.766867	43.382	90.22	0.25	0
;Beachgrove Golf Course							
E106	Raingage_1	J58	4.907478	2.115	147.372	0.25	0
E107	Raingage_1	J111	0.768575	58.664	83.541	0.25	0
E108	Raingage_1	CB2075_4327	0.191306	24.03	47.826	0.25	0
;In the golfcourse							
E109_1	Raingage_1	CB4311	0.5871	6.5	53.373	0.25	0
;In the golfcourse							
E109_2	Raingage_1	CB2078	0.4619	56.1	74.5	0.25	0
E11	Raingage_1	MHW1A	1.290776	40.621	90.9	0.25	0
;In the golfcourse							
E110_1	Raingage_1	CB4329	1.3116	6.5	119.236	0.25	0
;In the golfcourse							
E110_2	Raingage_1	CB2080	0.6835	27.6	110.242	0.25	0
E112_3	Raingage_1	J212	0.4583	20.916	26.492	0.25	0

E114	Raingage_1	CB1980_1925	1.169663	42.01	164.741	0.25	0
E118	Raingage_1	CB1985_1929	0.833758	47.036	100.453	0.25	0
E119	Raingage_1	CB4257	0.905574	49.623	119.154	0.25	0
E12	Raingage_1	MHC1	0.724532	40.156	61.401	0.25	0
E120	Raingage_1	CB4258	0.166882	47.895	19.182	0.25	0
E122	Raingage_1	CB1987_1988	0.446206	55.399	91.062	0.25	0
E123_1	Raingage_1	J221	1.9075	50.935	176.62	0.25	0
E123_2	Raingage_1	J222	1.2765	50.935	140.275	0.25	0
E124	Raingage_1	CB2397_2282	0.600351	52.502	73.214	0.25	0
E126_1	Raingage_1	CB2395_2280	0.2327	45.256	22.375	0.25	0
E127_1	Raingage_1	J223	1.2759	49.83	138.685	0.25	0
E127_2	Raingage_1	CB2401_2287	1.0439	49.83	78.489	0.25	0
E129_1	Raingage_1	J224	1.4256	52.621	219.323	0.25	0
E129_2	Raingage_1	J225	0.6956	52.621	198.743	0.25	0
E13	Raingage_1	MHC2	0.536593	23.829	58.966	0.25	0
E130	Raingage_1	CB2288_2402	0.996	53.573	148.657	0.25	0
E131_1	Raingage_1	J229	0.8896	51.763	104.659	0.25	0
E131_2	Raingage_1	J228	0.8252	51.763	42.102	0.25	0
E131_3	Raingage_1	J231	0.9451	51.763	103.857	0.25	0
E131_5	Raingage_1	J230	0.6487	51.763	71.286	0.25	0
E132	Raingage_1	CB2306_2423	0.244969	46.127	45.365	0.25	0
E14	Raingage_1	MHC3	0.646381	37.624	82.869	0.25	0
E141_2	Raingage_1	CB2007_2008	0.7798	54	87.618	0.25	0
E146	Raingage_1	CB1987_1988	0.461095	53.438	78.152	0.25	0
E147	Raingage_1	CB1989_1990	0.850129	47.797	90.439	0.25	0
E148	Raingage_1	CB1991_1992	1.65597	51.871	115.802	0.25	0
E149_1	Raingage_1	CB1997_1992	0.6521	50.815	75.826	0.25	0
E149_2	Raingage_1	CB2001_1936	0.2828	50.815	56.56	0.25	0
E15	Raingage_1	MHC3	0.077923	41.602	18.553	0.25	0
E150_1	Raingage_1	J105	0.7969	57.414	75.179	0.25	0
E150_2	Raingage_1	J200	0.69	57.414	123.214	0.25	0
E150_4	Raingage_1	J106	1.3248	57.414	88.913	0.25	0
E150_5	Raingage_1	J198	0.4896	57.414	55.011	0.25	0
E151	Raingage_1	J202	0.649817	59.537	98.457	0.25	0
E152	Raingage_1	J317	1.421469	52.832	80.309	0.25	0
E154	Raingage_1	J227	2.626921	46.509	97.293	0.25	0
E157	Raingage_1	CB2493_2453	0.308985	69.352	26.637	0.25	0
E158	Raingage_1	CB2452	0.1928	60.481	20.295	0.25	0
;Assumed outlet							
E159_1	Raingage_1	J129	3.1965	5.84	141.438	0.25	0
E16	Raingage_1	MHE1B	0.939705	40.535	68.592	0.25	0
E160_2	Raingage_1	StGregsMajor_J49836	0.067	51.619	18.108	0.25	0
E160_3	Raingage_1	StGregsMajor_J50225	0.132	51.619	24.444	0.25	0
E160_4	Raingage_1	StGregsMajor_J50290	0.2099	51.619	40.365	0.25	0
;Where is this pipe going? Check direction							
E161	Raingage_1	CB2180	0.370344	42.445	68.582	0.25	0
;Where is this pipe going? Check direction							
E162	Raingage_1	CB2180	0.482582	60.718	96.516	0.25	0
;Where is this pipe going? Check direction							
E163	Raingage_1	J112	0.381079	57.904	82.843	0.25	0
;Where is this pipe going? Check direction							
E164	Raingage_1	CB2089_2179	0.157913	52.241	83.112	0.25	0
E165_1	Raingage_1	J128	0.6975	26.3	60.129	0.25	0
E167	Raingage_1	J114	0.23608	79.332	38.702	0.25	0
;This is going to a larger pipe?							
E168	Raingage_1	J113	1.269486	83.813	107.584	0.25	0
;OUTLET TO DRAIN							
E169	Raingage_1	ETLD_ENCL2	0.221988	39.501	85.38	0.25	0
E17	Raingage_1	MHK1	1.524569	16.518	143.827	0.25	0
E170_1	Raingage_1	CB4460	0.2776	79.894	7.192	0.25	0
E170_10	Raingage_1	CB4459_4458	0.1741	79.894	4.51	0.25	0
E170_2	Raingage_1	CB4514	0.4751	79.894	12.308	0.25	0
E170_4	Raingage_1	CB4515	0.1608	79.894	4.166	0.25	0
E170_5	Raingage_1	CB4457_4456	0.1428	79.894	3.699	0.25	0

E170_6	Raingage_1	CB4456_4454	0.0811	79.894	2.101	0.25	0
E170_7	Raingage_1	CB4453_4452	0.0712	79.894	1.845	0.25	0
E170_8	Raingage_1	CB940_939	0.0349	79.894	0.904	0.25	0
E170_9	Raingage_1	CB4451_4548	0.0677	79.894	1.754	0.25	0
E171_1	Raingage_1	CB4519_930	0.1329	23.356	23.316	0.25	0
E171_2	Raingage_1	STM3605	2.0571	23.356	360.895	0.25	0
E171_3	Raingage_1	CB4547_4546	0.0769	23.356	13.491	0.25	0
E171_4	Raingage_1	CB4275_938	0.1226	23.356	21.509	0.25	0
E171_6	Raingage_1	CB4518	0.1353	23.356	23.737	0.25	0
E172_2	Raingage_1	CB951_935	0.0902	99.179	10.612	0.25	0
E172_3	Raingage_1	CB1275_4323	0.1725	99.179	20.294	0.25	0
E172_4	Raingage_1	CB4324_4325	0.1216	99.179	14.306	0.25	0
E173_2	Raingage_1	CB952	0.1737	91.881	32.167	0.25	0
E173_3	Raingage_1	CB4338	0.2061	91.881	38.167	0.25	0
E173_4	Raingage_1	CB1766	0.1445	91.881	26.759	0.25	0
E174	Raingage_1	STM3620	0.83882	61.559	47.66	0.25	0
;In the golfcourse							
E175_1	Raingage_1	CB4334	1.1587	6.5	105.336	0.25	0
;In the golfcourse							
E175_2	Raingage_1	CB2171	0.6676	52.3	107.677	0.25	0
;In the golfcourse							
E176_1	Raingage_1	CB4309	0.6198	6.5	56.345	0.25	0
;In the golfcourse							
E176_3	Raingage_1	J80	0.8997	6.5	81.791	0.25	0
;In the golfcourse							
E176_4	Raingage_1	J82	0.431	39.6	69.516	0.25	0
;In the golfcourse							
E176_5	Raingage_1	CB2170	0.3549	56.6	57.242	0.25	0
;In the golfcourse							
E177_1	Raingage_1	CB2081	0.8523	6.5	77.482	0.25	0
;In the golfcourse							
E177_2	Raingage_1	STM3661	0.5184	24.6	83.613	0.25	0
E18	Raingage_1	MHK2	1.746314	13.769	134.332	0.25	0
;Determine what flow is going where?							
E181_2	Raingage_1	J232	1.0969	43.05	61.972	0.25	0
E182	Raingage_1	CB2298	0.442913	43.653	110.728	0.25	0
E183	Raingage_1	J251	0.7494	53.574	59.952	0.25	0
E183_3	Raingage_1	J249	1.5704	53.574	65.433	0.25	0
E183_4	Raingage_1	J250	2.5984	53.574	108.267	0.25	0
E183_5	Raingage_1	J248	1.5722	53.574	65.508	0.25	0
E183_7	Raingage_1	J254	0.1045	53.574	24.881	0.25	0
;OBTAIN STM SERVICING FROM TOWN							
E183_8	Raingage_1	OF3	0.9644	53.574	40.183	0.25	0
E184	Raingage_1	CB2478_2431	1.845764	54.291	163.342	0.25	0
E186	Raingage_1	CB4257	0.719616	57.727	73.43	0.25	0
E189	Raingage_1	CB1979	1.12358	46.781	113.493	0.25	0
E19	Raingage_1	MHK3	0.823077	22.334	108.3	0.25	0
E191	Raingage_1	CB1924_1978	0.924727	45.045	142.266	0.25	0
E193_1	Raingage_1	CB32	0.5442	60.251	106.706	0.25	0
E195	Raingage_1	J49	0.7175	45.145	103.986	0.25	0
E197	Raingage_1	J238	0.8756	89.067	83.39	0.25	0
E199	Raingage_1	STM4058	2.483859	53.033	108.941	0.25	0
;Lakewood Park							
E2_1	Raingage_1	PondOutfall	4.0737	4.2	125.731	0.25	0
;Lakewood Park							
E2_2	Raingage_1	Jun-47	6.8431	1.98	176.824	0.25	0
;Lakewood Park							
E2_4	Raingage_1	Jun-54.1	7.7332	1.98	182.387	0.25	0
;Lakewood Park							
E2_5	Raingage_1	JL2	3.9339	1.98	128.98	0.25	0
E20	Raingage_1	MHK4	1.250295	23.754	101.65	0.25	0
E200_1	Raingage_1	CB38	0.3285	54.394	46.929	0.25	0
E201	Raingage_1	J123	0.647508	35.121	122.171	0.25	0
E202	Raingage_1	CB2396_2281	0.645507	46.972	90.916	0.25	0

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;To be reviewed by Ryan (connected to U/S)
E203      Raingage_1      CB2038_2125      0.741529 56.225      66.804 0.25      0
E205      Raingage_1      STM4300          1.297448 53.323      114.818 0.25      0
E206      Raingage_1      CB1970          0.334769 38.941      44.636 0.25      0
E21       Raingage_1      MHK5            1.240454 24.415      110.755 0.25      0
E211      Raingage_1      CBMH11_Z        6.1862   89.436      209.702 0.25      0
;Outlet via culvet crossing to ETLD
E212_1    Raingage_1      200Manning_STM  1.809    55.76       161.518 0.25      0
;Outlet via culvet crossing to ETLD
E212_2    Raingage_1      J263            1.0067   29.8        57.526 0.25      0
;Controlled via 300mm orifice to St. Gregory System
E213      Raingage_1      Z_CB19          1.24424  69.557      62.525 0.25      0
E214      Raingage_1      DD_J20616       0.384253 49.555      80.053 0.25      0
E215      Raingage_1      J77             1.715069 35.787      96.352 0.25      0
E216      Raingage_1      CB2039_2040     0.592679 48.116      75.984 0.25      0
;review delineation
E217_1    Raingage_1      CB2088_2178     0.4631   45.721      71.246 0.25      0
E217_2    Raingage_1      CB5413          0.0701   68.6        11.306 0.25      0
;review delineation
E217_3    Raingage_1      J78             0         45.721      0        0.25      0
;review delineation
E217_4    Raingage_1      J90             0.7493   45.721      108.594 0.25      0
;review delineation
E217_6    Raingage_1      J94             0.1946   45.721      47.463 0.25      0
;review delineation
E217_7    Raingage_1      J91             1.0462   45.721      151.623 0.25      0
E218      Raingage_1      CB2036_5355     0.767926 42.921      121.893 0.25      0
E219      Raingage_1      STM7181         0.058023 63.703      16.118 0.25      0
E22       Raingage_1      MHK6            0.3401   21.169      45.959 0.25      0
E220      Raingage_1      CB5357_5356     0.535449 43.538      111.552 0.25      0
E221      Raingage_1      J261            0.412115 12.062      46.305 0.25      0
E222      Raingage_1      j262            0.815201 33.489      131.484 0.25      0
E223      Raingage_1      J89             0.201051 70.07       33.508 0.25      0
E224      Raingage_1      J260            1.5832   53.139      112.284 0.25      0
;Check with Town for any SWM Controls
E225      Raingage_1      J256            0.438501 24.314      39.152 0.25      0
;Check with Town for any SWM Controls
E226      Raingage_1      J259            0.918354 29.952      70.643 0.25      0
;Check with Town for any SWM Controls
E227      Raingage_1      J258            0.934081 34.73       71.852 0.25      0
E228_1    Raingage_1      J253            0.6305   80.406      33.717 0.25      0
E228_2    Raingage_1      J252            0.4071   80.406      21.77   0.25      0
E23       Raingage_1      MHR1B           0.718262 31.006      130.593 0.25      0
;Lakewood Subdivision
E235      Raingage_1      MH7-S           0.363524 55          95.664 0.25      0
;Lakewood Subdivision
E236      Raingage_1      MH8-S           0.264489 45          67.818 0.25      0
;Lakewood Subdivision
E237      Raingage_1      MH10-S          0.347928 45          91.56   0.25      0
;Lakewood Subdivision
E238      Raingage_1      MH11-S          0.574599 45          112.666 0.25      0
E24       Raingage_1      MHR2            0.228151 49.451     34.568 0.25      0
;Lakewood Subdivision
E240      Raingage_1      MH15-S          0.978901 45          125.5   0.25      0
;Lakewood Subdivision
E242      Raingage_1      MH17-S          0.8789   45          183.104 0.25      0
;Lakewood Subdivision
E243      Raingage_1      MH16-S2         0.4367   45          71.59   0.25      0
;Lakewood Subdivision
E244      Raingage_1      MH9-S           0.643193 45          88.109 0.25      0
;Lakewood Subdivision
E245      Raingage_1      MH18-S          0.991647 55          206.593 0.25      0
;Lakewood Subdivision
E246      Raingage_1      MH19-S          1.202763 55          117.918 0.25      0

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E249	Raingage_1	J205	0.250871	59.876	48.244	0.25	0
E25	Raingage_1	MHR1B	1.687359	34.607	126.869	0.25	0
E250	Raingage_1	J204	0.211527	56.387	57.169	0.25	0
E251_1	Raingage_1	J208	0.4538	55.33	87.269	0.25	0
E251_2	Raingage_1	J203	0.3991	55.33	62.359	0.25	0
E252	Raingage_1	J204	0.296168	60.614	47.769	0.25	0
;OUTLET TO DRAIN							
E253	Raingage_1	ETLD_ENCL1	0.222925	42.731	82.565	0.25	0
;OUTLET TO DRAIN							
E254	Raingage_1	ETLD_ENCL1	0.443817	31.936	79.253	0.25	0
;OUTLET TO DRAIN							
E255	Raingage_1	ETLD_ENCL1	0.316589	44.675	79.147	0.25	0
;OUTLET TO DRAIN							
E256	Raingage_1	J38	0.31011	42.9	75.637	0.25	0
;OUTLET TO DRAIN							
E257	Raingage_1	J8	0.5091	43.256	25.202	0.25	0
;OUTLET TO DRAIN							
E258	Raingage_1	STM975	0.227972	44.384	48.505	0.25	0
E259_1	Raingage_1	CB946_4340	0.2437	81.846	23.892	0.25	0
E259_2	Raingage_1	CB947_4339	0.2158	81.846	21.157	0.25	0
E26	Raingage_1	MHW1	1.001011	35.947	84.831	0.25	0
E260_1	Raingage_1	CB934_942	0.072	65.538	8.675	0.25	0
E260_2	Raingage_1	CB1896	0.1359	65.538	16.373	0.25	0
E260_4	Raingage_1	CB945_928	0.0645	65.538	7.771	0.25	0
E260_5	Raingage_1	CB943_944	0.3055	65.538	36.807	0.25	0
E27	Raingage_1	MHW2	0.388586	48.994	66.998	0.25	0
;Confirm SWM Design and Outlet Location with Town							
E3_1	Raingage_1	CBMH5	1.0575	72.384	68.669	0.25	0
;Confirm SWM Design and Outlet Location with Town							
E3_2	Raingage_1	J14	0.8075	72.384	52.435	0.25	0
E31	Raingage_1	DD_J20632	1.297915	42.52	89.511	0.25	0
E32	Raingage_1	DD_J20630	1.604148	40.648	110.631	0.25	0
E33	Raingage_1	DD_J20628	1.21915	40.422	101.596	0.25	0
E34	Raingage_1	DD_J20626	1.414501	51.131	117.875	0.25	0
E35	Raingage_1	DD_J20624	1.142917	41.96	95.243	0.25	0
E36	Raingage_1	DD_J20622	1.215955	40.096	101.33	0.25	0
E37	Raingage_1	MHC1A_2	2.272872	35.977	106.708	0.25	0
E38	Raingage_1	MHE1A	0.576041	34.768	42.047	0.25	0
;Connect to Surface							
E39	Raingage_1	DD_J20598	1.753471	36.492	146.123	0.25	0
;Confirm SWM Design and Outlet Location with Town							
E4	Raingage_1	STM3603	1.514444	72.498	87.54	0.25	0
;Connect to Surface							
E40	Raingage_1	DD_J20600	1.857021	38.757	152.215	0.25	0
;Connect to Surface							
E41	Raingage_1	DD_J20602	1.52125	29.199	122.681	0.25	0
;Connect to Surface							
E42	Raingage_1	DD_J20604	1.757785	40.083	145.271	0.25	0
;Connect to Surface							
E43	Raingage_1	DD_J20606	1.754731	39.782	145.019	0.25	0
;Connect to Surface							
E44	Raingage_1	DD_J20608	1.685114	39.305	139.266	0.25	0
;Connect to Surface							
E45	Raingage_1	DD_J20610	1.334475	41.562	109.383	0.25	0
;Determine what flow is going where?							
E47_1	Raingage_1	CB_ST,G2	0.7377	5	28.816	0.25	0
;Assumed outlet							
E47_3	Raingage_1	CB_ST,G1	3.0473	39.832	54.906	0.25	0
E48	Raingage_1	MHC1	0.219081	52.051	48.685	0.25	0
E49	Raingage_1	MHR2A	0.10308	21.478	15.618	0.25	0
E50_1	Raingage_1	DD_J20618	0.5132	80	53.458	0.25	0
E50_2	Raingage_1	DD_J20618	0.7714	70.492	137.75	0.25	0
E52	Raingage_1	DD_J20614	1.184444	36.518	110.696	0.25	0
E53_1	Raingage_1	J122	0.7491	44.911	60.411	0.25	0

E53_2	Raingage_1	DD_J20613	0.234	44.911	36	0.25	0
;Connect to Surface							
E54	Raingage_1	DD_J20651	0.900532	40.945	76.316	0.25	0
;Connect to Surface							
E55	Raingage_1	DD_J20649	2.251438	38.474	195.777	0.25	0
;Connect to Surface							
E56	Raingage_1	DD_J20647	1.923872	39.65	226.338	0.25	0
E56.1	Raingage_1	DD_J20645	2.0435	25.68	170.292	0.25	0
;Connect to Surface							
E57	Raingage_1	DD_J20643	0.954211	41.663	79.518	0.25	0
;Connect to Surface							
E58	Raingage_1	DD_J20641	1.655011	40.107	165.501	0.25	0
;Connect to Surface							
E59	Raingage_1	DD_J20639	1.480079	54.407	127.593	0.25	0
E60	Raingage_1	CB2043_2128	0.624813	65.293	41.106	0.25	0
E61	Raingage_1	J100	0.27158	78.874	40.534	0.25	0
E62	Raingage_1	CB2130_2045	0.447852	45.001	53.958	0.25	0
E63	Raingage_1	J108	0.844425	53.67	127.943	0.25	0
E64	Raingage_1	J107	0.2225	56.4	31.338	0.25	0
E64_1	Raingage_1	J708	0.3951	36.55	46.482	0.25	0
E64_2	Raingage_1	J103	0.196	22.86	35	0.25	0
E64_3	Raingage_1	J104	0.1928	23.29	42.844	0.25	0
E64_4	Raingage_1	J196	0.1723	56.4	38.289	0.25	0
E64_5	Raingage_1	J707	0.4888	41.94	57.506	0.25	0
E64_7	Raingage_1	J195	0.266	56.4	42.903	0.25	0
E64_8	Raingage_1	J709	0.1166	31.22	25.911	0.25	0
E65	Raingage_1	CB5419_5418	0.900068	49.882	78.953	0.25	0
E66_1	Raingage_1	CB5421_5420	0.7462	56.008	77.729	0.25	0
E66_2	Raingage_1	CB2137	0.4293	56.008	76.661	0.25	0
E67	Raingage_1	CB2122_5358	2.551764	44.519	80.497	0.25	0
E68	Raingage_1	J95	0.096981	27.921	22.041	0.25	0
;OUTLET TO DRAIN							
E69	Raingage_1	J85	0.192577	43.531	91.703	0.25	0
;Manning Rd Drain connect to STM3619 via							
E7	Raingage_1	M_CULV	38.346046	11.721	852.134	0.25	0
;OUTLET TO DRAIN							
E70	Raingage_1	ETLD_ENCL5	0.251344	56.921	89.766	0.25	0
;OUTLET TO DRAIN							
E71	Raingage_1	ETLD_ENCL5	0.147019	48.776	91.887	0.25	0
;OUTLET TO DRAIN							
E72	Raingage_1	ETLD_ENCL5	0.232641	29.497	89.477	0.25	0
;OUTLET TO DRAIN							
E73	Raingage_1	ETLD_ENCL4	0.172171	46.573	95.651	0.25	0
;OUTLET TO DRAIN							
E74	Raingage_1	ETLD_ENCL4	0.218022	25.51	87.209	0.25	0
;OUTLET TO DRAIN							
E75	Raingage_1	ETLD_ENCL4	0.386221	31.256	87.778	0.25	0
;OUTLET TO DRAIN							
E76	Raingage_1	ETLD_ENCL4	0.35706	49.239	99.183	0.25	0
;OUTLET TO DRAIN							
E77	Raingage_1	ETLD_ENCL3	0.327343	37.483	88.471	0.25	0
;OUTLET TO DRAIN							
E78	Raingage_1	ETLD_ENCL3	0.596104	21.083	87.662	0.25	0
;OUTLET TO DRAIN							
E79	Raingage_1	ETLD_ENCL2	0.255131	40.165	102.052	0.25	0
E8	Raingage_1	MHB1	0.485292	41.728	69.327	0.25	0
;OUTLET TO DRAIN							
E80	Raingage_1	ETLD_ENCL2	0.142038	12.028	24.074	0.25	0
;OUTLET TO DRAIN							
E81	Raingage_1	ETLD_ENCL2	0.324521	34.534	85.4	0.25	0
E82	Raingage_1	CB1974	0.230843	48.427	104.929	0.25	0
E83	Raingage_1	CB2035_1973	0.199331	53.606	66.444	0.25	0
E84	Raingage_1	CB1975_1921	1.029207	43.924	130.279	0.25	0
E85	Raingage_1	CB1975_1921	0.698971	45.853	104.324	0.25	0

E86	Raingage_1	CB1976_1922	1.536773	41.873	160.081	0.25	0
E87	Raingage_1	CB1977_1923	0.722723	34.374	73.002	0.25	0
E88	Raingage_1	CB1982_1927	0.539196	57.341	81.696	0.25	0
E89	Raingage_1	CB1977_1923	0.552501	44.18	63.506	0.25	0
E9	Raingage_1	MHB2	1.064607	40.231	86.553	0.25	0
E93	Raingage_1	STM2772	0.058763	50.571	13.666	0.25	0
E94	Raingage_1	J115	0.408368	71.208	52.355	0.25	0
E95	Raingage_1	STM2772	0.318939	26.135	49.068	0.25	0
;Lakewood Subdivision							
E950	Raingage_1	MH14-S	0.6085	45	85.704	0.25	0
Lacasse_Coro_W650_4	Raingage_1	J491	0.7849	42.293	174.422	0.25	0
Lacasse_W650_2	Raingage_1	Lacasse_J495	1.6221	42.293	32.77	0.25	0
Lacasse_W650_6	Raingage_1	Lacasse_J486	2.2671	42.293	149.151	0.25	0
Lacasse_W650_7	Raingage_1	Lacasse_J485	1.2547	42.293	25.348	0.25	0
Lacasse_W650_8	Raingage_1	Lacasse_J487	0.6334	42.293	12.796	0.25	0
M_1	Raingage_1	J209	0.1305	4.5	22.5	0.25	0
S1	Raingage_1	MH40	0.7817	50.73	78.17	0.25	0
S1_1	Raingage_1	MH39	0.6526	28.9	108.767	0.25	0
;StAnne Sewer							
S1_3	Raingage_1	St.Anne_J27	2.2003	35.916	203.731	0.25	0
;StAnne Sewer							
S1_4	Raingage_1	St.Anne_J30	1.2754	39.4	151.833	0.25	0
S10	Raingage_1	CB1935	1.2257	43.178	158.396	0.25	0
S10_2	Raingage_1	CB1996_1931	0.5894	30.837	68.477	0.25	0
S10_4	Raingage_1	CB1995_1930	0.5282	30.837	61.367	0.25	0
S10_5	Raingage_1	CB1998_1933	1.2411	30.837	144.192	0.25	0
S10_6	Raingage_1	CB1999_1934	0.7772	30.837	90.295	0.25	0
;Sewer split, could be delineated to Manning PS							
S100	Raingage_1	CB1384	0.7024	46.967	94.314	0.25	0
S101	Raingage_1	CB803_873	2.2722	55.055	151.48	0.25	0
S102	Raingage_1	CB4376	0.977	57.615	90.877	0.25	0
S102_1	Raingage_1	J642	0.0661	93.806	12.472	0.25	0
S102_2	Raingage_1	J371	0.6541	93.806	87.818	0.25	0
S103	Raingage_1	J705	0.3434	43.759	42.568	0.357	0
;Assumed outlet							
S103_1	Raingage_1	CB_L2	0.1453	15	29.653	0.25	0
;Assumed outlet							
S103_2	Raingage_1	J688	1.6837	65	224.493	0.25	0
;Assumed outlet							
S103_3	Raingage_1	J687	0.4501	51.18	67.179	0.25	0
;Assumed outlet							
S103_4	Raingage_1	CB_L1	0.9017	75	80.509	0.25	0
;Assumed outlet							
S103_6	Raingage_1	J693	0.7976	24.95	47.76	0.25	0
;Assumed outlet							
S104	Raingage_1	J689	2.6416	5	171.532	0.25	0
;connect to 600mm pipe along town centre							
S105	Raingage_1	CYR_IN	8.6275	2.75	160.065	0.484	0
S106	Raingage_1	J706	0.3069	57.113	56.652	0.25	0
S107	Raingage_1	J98	0.1326	56.4	34.895	0.25	0
;Lakewood Subdivision							
S109	Raingage_1	MH4-S	0.4879	45	104.965	0.25	0
S11	Raingage_1	CB2003_1938	1.2545	48.818	142.557	0.25	0
S11_2	Raingage_1	CB2002_1937	0.8621	51.017	95.42	0.25	0
;Lakewood Subdivision							
S110	Raingage_1	MH2-S	0.313566	45	62.185	0.25	0
;Lakewood Subdivision							
S111	Raingage_1	MH6-S	0.79703	45	198.845	0.25	0
;Lakewood Subdivision							
S112	Raingage_1	MH12-S	0.9603	45	147.738	0.25	0
;Lakewood Subdivision							
S113	Raingage_1	MH17_S2	0.2831	55	94.367	0.25	0
S114	Raingage_1	MH16-S	0.3995	45	88.778	0.25	0
S115	Raingage_1	DD_J20636	1.9605	34.013	95.634	0.25	0

S12	Raingage_1	CB1941_1940	1.4707	54.024	147.439	0.25	0
S13	Raingage_1	CB4259_1943	0.9793	62	141.928	0.25	0
S14	Raingage_1	CB2011_1945	0.832	62	120.58	0.25	0
S14_1	Raingage_1	CB1939_2004	0.7956	45.209	103.706	0.25	0
S14_2	Raingage_1	CB2005_2006	0.3548	45.209	46.248	0.25	0
S15	Raingage_1	CB2013_1947	0.7676	62	111.246	0.25	0
S16	Raingage_1	CB2014_1948	0.7836	62	113.565	0.25	0
S17	Raingage_1	CB2009_1942	0.5877	62	115.235	0.25	0
S18	Raingage_1	CB2010_1944	0.6928	62	153.956	0.25	0
;Ditch							
S19	Raingage_1	MH32	0.3254	42.7	52.484	0.25	0
S2	Raingage_1	St.GreggsSite_SU1	1.7196	80	83.883	0.25	0
;Ditch							
S2_1	Raingage_1	MH29	0.2489	34.85	55.311	0.25	0
;Ditch							
S2_2	Raingage_1	MH28	1.5657	25.11	107.979	0.25	0
S20	Raingage_1	CB3128_2860	0.3733	50.264	38.788	0.25	0
S21	Raingage_1	CB2430_2311	1.5114	48.729	195.519	0.25	0
S21_1	Raingage_1	CB2018_1952	0.9068	48.58	143.937	0.25	0
S21_2	Raingage_1	CB2017_1951	0.7541	48.58	81.086	0.25	0
S21_4	Raingage_1	J118	2.1166	52.335	209.564	0.25	0
S21_5	Raingage_1	J116	1.0851	52.335	241.133	0.25	0
S21_6	Raingage_1	J220	0.9825	52.335	239.634	0.25	0
S22	Raingage_1	CB2292	0.8556	56.053	102.986	0.25	0
S23	Raingage_1	CB2409_2295	1.86	47.495	187.879	0.25	0
S24	Raingage_1	CB2411_2297	1.8604	50.274	210.056	0.25	0
S25	Raingage_1	CB2475_2474	0.7113	59.281	92.784	0.25	0
S26	Raingage_1	CB36	0.3021	58.826	86.314	0.25	0
S26_1	Raingage_1	CB34	0.7191	59.127	117.885	0.25	0
S26_4	Raingage_1	CB35	0.5608	59.127	112.16	0.25	0
S26_5	Raingage_1	CB2505	0.3602	59.127	83.767	0.25	0
S27	Raingage_1	CB39	0.1403	81.307	27.51	0.25	0
S28	Raingage_1	J245	0.3449	0.642	107.781	0.25	0
S28_1	Raingage_1	J242	0.6477	0.724	101.203	0.25	0
S28_2	Raingage_1	J244	0.7239	0.724	96.52	0.25	0
S28_3	Raingage_1	J243	0.9501	0.724	100.011	0.25	0
S29	Raingage_1	CB1609_1610	0.2733	56.306	42.614	0.25	0
;StAnne_Sewer							
S3	Raingage_1	ANNE_ST12_1	2.7378	38	152.1	0.25	0
S3_1	Raingage_1	MHA1A_1	0.8896	37.5	71.742	0.25	0
S3_10	Raingage_1	MH30	0.4722	47.4	94.44	0.25	0
S3_2	Raingage_1	MH38	1.1601	15.61	96.675	0.25	0
S3_3	Raingage_1	MH33	0.6293	24.83	69.922	0.25	0
S3_4	Raingage_1	MH37	1.206	25.94	120.6	0.25	0
S3_5	Raingage_1	MH36	1.3806	29.34	138.06	0.25	0
S3_6	Raingage_1	MH35	1.0437	34.4	130.462	0.25	0
S3_8	Raingage_1	MH31	0.4314	43.2	86.28	0.25	0
S30	Raingage_1	CB2012_1946	1.183	26.656	115.98	0.25	0
S31	Raingage_1	CB3129_2861	1.263	48.545	198.211	0.25	0
S32	Raingage_1	CB3131_3130	0.5783	44.606	87.696	0.25	0
S33	Raingage_1	CB3145_2874	1.2026	52.222	193.176	0.25	0
;Two pipes running parallel							
S34	Raingage_1	CB2826_3087	1.4219	48.143	209.103	0.25	0
S35	Raingage_1	CB2800_2740	1.69	50.616	156.481	0.25	0
S35_1	Raingage_1	CB2770_2716	1.0889	53.736	175.629	0.25	0
S35_2	Raingage_1	CB2718_2772	0.8373	53.736	93.033	0.25	0
S35_3	Raingage_1	CB2717_2771	0.4221	53.736	93.8	0.25	0
S35_4	Raingage_1	CB2719_2773	0.6047	53.736	134.378	0.25	0
S36	Raingage_1	CB2799	0.1203	55.536	31.92	0.25	0
S37	Raingage_1	CB1737_1038	0.2426	75.929	21.856	0.25	0
S37_1	Raingage_1	J314	0.5722	43.69	33.858	0.25	0
S37_10	Raingage_1	J570	0.1814	49.217	60.467	0.25	0
S37_11	Raingage_1	CB3	0.584	49.217	73	0.25	0
S37_2	Raingage_1	J571	1.1242	49.217	107.067	0.25	0

S37_3	Raingage_1	J291	0.3062	45.26	35.605	0.25	0
S37_5	Raingage_1	CB1786_1052	0.5438	58.523	25.051	0.25	0
S37_6	Raingage_1	CB1049_1048	0.2053	58.523	24.153	0.25	0
S37_7	Raingage_1	J306	0.6017	58.523	100.283	0.25	0
S37_8	Raingage_1	J308	0.3155	58.523	60.673	0.25	0
S37_9	Raingage_1	J309	0.2657	58.523	45.81	0.25	0
;School Site							
S38	Raingage_1	SU8	0.9408	95	51.41	0.25	0
S38_1	Raingage_1	CB2742_2805	0.1836	75.221	31.655	0.25	0
S38_2	Raingage_1	CB2750	0.2999	75.221	42.843	0.25	0
;Is this area delineated correctly?							
S38_3	Raingage_1	J290	0.7945	49.04	47.012	0.25	0
;Is this area delineated correctly?							
S38_4	Raingage_1	J292	0.691	59.61	24.946	0.25	0
;School Site							
S39	Raingage_1	SU11	0.8221	95	44.923	0.25	0
S4	Raingage_1	CB33	0.689	56.313	94.819	0.25	0
;Assumed outlet							
S4_1	Raingage_1	MHSM1	0.5869	64.95	68.244	0.25	0
;Assumed outlet							
S4_3	Raingage_1	J235	0.7229	64.95	84.058	0.25	0
;Assumed outlet							
S4_4	Raingage_1	GAOP	6.026	2	119.134	0.25	0
;Assumed outlet							
S4_5	Raingage_1	J694	0.6808	64	59.719	0.25	0
S40	Raingage_1	CB1107	0.2179	94.48	32.522	0.25	0
S41	Raingage_1	CB1087	0.2278	95	33.456	0.25	0
S42	Raingage_1	PERV	1.4718	10	87.089	0.25	0
;Funeral Home. Confirm outlet							
S43	Raingage_1	J372	0.4657	95	44.779	0.25	0
S44	Raingage_1	CB976	0.6803	37.678	120.216	0.25	0
S45	Raingage_1	CB1630_1521	1.3706	52.509	131.788	0.25	0
;railway check topo for drainage route							
S46	Raingage_1	STM3609	1.5935	6.086	163.182	0.25	0
S46_1	Raingage_1	CB1189_1276	0.1758	87	48.833	0.25	0
S46_2	Raingage_1	CB1194_1195	0.2562	87	46.582	0.25	0
S46_3	Raingage_1	CB1190_1277	0.1925	89	53.472	0.25	0
S46_4	Raingage_1	CB1202_1201	0.3008	87	36.683	0.25	0
S46_5	Raingage_1	CB1279_1280	0.1792	87	39.822	0.25	0
S46_6	Raingage_1	CB1203_1204	0.1688	87	37.511	0.25	0
S46_8	Raingage_1	CB1206_1205	0.1362	95	34.05	0.25	0
;Look back at this							
S47	Raingage_1	CB881_963	0.2623	67.801	38.574	0.25	0
S47_1	Raingage_1	CB1302_1303	0.2386	51.521	49.006	0.25	0
S47_2	Raingage_1	CB1306_1307	0.1	51.521	20.539	0.25	0
S47_3	Raingage_1	CB1304_1305	0.1436	51.521	29.494	0.25	0
S47_4	Raingage_1	CB1308_1309	0.0759	51.521	15.589	0.25	0
S47_6	Raingage_1	cb4321	0.2239	51.521	45.987	0.25	0
S48	Raingage_1	CB278_277	0.7354	59.776	109.204	0.25	0
S49	Raingage_1	CB594_200	1.8213	49.31	178.559	0.25	0
;Determine what flow is going where?							
S5_1	Raingage_1	J234	0.8132	38.24	56.867	0.25	0
;Determine what flow is going where?							
S5_3	Raingage_1	StGregsMajor_J50094	0.1147	50.21	26.068	0.25	0
;Determine what flow is going where?							
S5_4	Raingage_1	StGregsMajor_J50225	0.1042	50.21	23.156	0.25	0
S5_5	Raingage_1	J206	1.1157	61.005	177.095	0.25	0
S5_6	Raingage_1	J207	1.6462	61.005	137.046	0.25	0
S50	Raingage_1	J423	0.7546	52.073	72.602	0.25	0
S50_1	Raingage_1	J416	0.3451	80.707	50.014	0.25	0
S50_10	Raingage_1	CB361_360	0.0791	80.707	13.183	0.25	0
S50_11	Raingage_1	J1	0.2793	80.707	32.859	0.25	0
;Connected to junction with U/S MH							
S50_12	Raingage_1	CB368	0.5631	61.409	112.62	0.25	0

;Connected to junction with U/S MH							
S50_13	Raingage_1	CB412_413_366	0.5437	61.409	110.959	0.25	0
S50_14	Raingage_1	J417	0.2357	80.707	52.378	0.25	0
S50_15	Raingage_1	CB363_364	0.0844	80.707	20.585	0.25	0
S50_16	Raingage_1	CB406_365	0.4477	80.707	84.472	0.25	0
S50_18	Raingage_1	CB119_120	1.2	57.7	94.488	0.25	0
S50_19	Raingage_1	CB117_321	0.6844	57.7	114.067	0.25	0
S50_2	Raingage_1	CB185_226	0.4895	45.251	89	0.25	0
S50_20	Raingage_1	CB118_322	0.6849	57.7	114.15	0.25	0
S50_21	Raingage_1	J424	2.2224	49.763	84.824	0.25	0
S50_22	Raingage_1	J422	1.5581	51.95	80.731	0.25	0
S50_23	Raingage_1	CB204_598	1.2552	51.95	80.981	0.25	0
S50_28	Raingage_1	CB600_206	0.1152	52.073	15.36	0.25	0
S50_4	Raingage_1	CB184_225	0.765	45.251	127.5	0.25	0
S50_5	Raingage_1	CB183_224	1.1242	45.251	204.4	0.25	0
;Connected to junction, delineated to closest MH							
S50_7	Raingage_1	J415	0.075	51.76	17.442	0.25	0
S50_8	Raingage_1	CB359_358	0.1113	80.707	12.362	0.25	0
;Connected to junction, delineated to closest MH							
S50_9	Raingage_1	J408	1.3273	51.76	145.857	0.25	0
S51	Raingage_1	CB605_211	0.3378	59.009	66.22	0.25	0
S51_1	Raingage_1	CB130_129	0.4884	57.47	48.356	0.25	0
S51_10	Raingage_1	CB140	0.462	57.47	51.333	0.25	0
S51_11	Raingage_1	CB331_332_127_128	1.5105	57.47	83.453	0.25	0
S51_12	Raingage_1	CB328_124	0.2298	57.47	76.6	0.25	0
S51_2	Raingage_1	CB121_325	0.3044	58.538	36.387	0.25	0
S51_3	Raingage_1	CB319_320	0.8011	58.538	43.303	0.25	0
S51_4	Raingage_1	TICB122_123_326_327	1.3652	58.538	163.19	0.25	0
S51_5	Raingage_1	CB340_141	0.6298	57.47	50.79	0.25	0
S51_6	Raingage_1	CB138_139	0.663	57.47	51	0.25	0
S51_7	Raingage_1	CB330_126	0.8079	57.47	65.683	0.25	0
S51_8	Raingage_1	CB329_125	0.8363	57.47	67.992	0.25	0
;Connected to junction, delineated to closest MH							
S52	Raingage_1	CB338_136	0.5276	52.275	87.933	0.25	0
S53	Raingage_1	CB344_145	1.7526	57.088	240.082	0.25	0
S54	Raingage_1	CB381_574	0.075	47.216	31.897	0.25	0
S54_2	Raingage_1	CB569_376	0.7467	51.515	83.899	0.25	0
S54_3	Raingage_1	CB571_378	0.3647	51.515	54.771	0.25	0
S54_4	Raingage_1	CB570_377	0.1949	51.515	29.27	0.25	0
S55	Raingage_1	CB346_147	0.7659	48.81	111.391	0.25	0
S55_1	Raingage_1	CB353_152	1.3397	54.366	113.534	0.25	0
S55_2	Raingage_1	CB349_150	0.5156	54.366	88.897	0.25	0
S55_7	Raingage_1	CB347_148	1.6991	45.389	190.91	0.25	0
S56	Raingage_1	CB341_342	0.7799	52.844	109.845	0.25	0
S57	Raingage_1	CB348_149	0.2814	37.36	82.765	0.25	0
S58	Raingage_1	CB48	1.0897	48.53	89.92	0.25	0
S59	Raingage_1	CB59_11	1.5739	47.42	145.731	0.25	0
S6	Raingage_1	CB1983_1928	1.4508	51.226	152.211	0.25	0
S60	Raingage_1	CB10_56	0.63	46.061	141.078	0.25	0
S60_1	Raingage_1	CB576_383	1.0511	51.058	117.134	0.25	0
S60_2	Raingage_1	CB382_575	1.1622	51.058	129.515	0.25	0
;Connected to junction with U/S MH							
S60_3	Raingage_1	CB578	0.0953	45.842	31.767	0.25	0
;Connected to junction with U/S MH							
S60_5	Raingage_1	CB580	0.5677	45.842	138.463	0.25	0
;Connected to junction with U/S MH							
S60_6	Raingage_1	CB579	0.3802	45.842	84.489	0.25	0
S61	Raingage_1	CB577_384	1.1335	46.767	112.228	0.25	0
S62	Raingage_1	CB75_23	0.5534	51.207	88.266	0.25	0
S62_1	Raingage_1	CB14_64	0.122	75	38.125	0.25	0
S62_2	Raingage_1	CB4225_67	0.8363	56.88	160.827	0.25	0
S62_3	Raingage_1	J437	1.0714	56.88	133.925	0.25	0
S62_5	Raingage_1	CB15_68	0.3336	56.88	83.4	0.25	0
S63	Raingage_1	CB1326	0.9845	51	70.321	0.25	0

S63_1	Raingage_1	CB583_388	0.7787	47.987	119.8	0.25	0
S63_10	Raingage_1	CB625_264	1.5399	49.371	205.32	0.25	0
S63_11	Raingage_1	J442	1.214	49.371	186.769	0.25	0
;Riverside							
S63_12	Raingage_1	CB1325	0.6037	50.935	67.598	0.25	0
S63_13	Raingage_1	J443	0.7874	49.371	157.48	0.25	0
S63_14	Raingage_1	CB259_620	1.1194	43.377	116.028	0.25	0
S63_15	Raingage_1	J445	1.1406	43.377	200.105	0.25	0
S63_16	Raingage_1	CB617_258	0.5565	43.377	57.682	0.25	0
S63_17	Raingage_1	CB457_4216	0.5175	51.634	60.948	0.25	0
S63_18	Raingage_1	CB459_648	0.9187	51.634	108.199	0.25	0
S63_19	Raingage_1	CB458_647	0.7547	51.634	88.884	0.25	0
S63_2	Raingage_1	J444	0.835	49.371	167	0.25	0
S63_3	Raingage_1	CB581_582	1.0972	47.987	154.535	0.25	0
S63_4	Raingage_1	CB26	0.3796	47.987	67.786	0.25	0
S63_5	Raingage_1	CB584_389	1.2689	60.354	102.592	0.25	0
S63_6	Raingage_1	CB586_590	1.1063	60.354	89.446	0.25	0
S63_7	Raingage_1	CB585_395	1.1982	60.354	96.876	0.25	0
S63_8	Raingage_1	CB626_627	0.3289	49.371	82.225	0.25	0
S63_9	Raingage_1	CB621_260	0.5722	49.371	143.05	0.25	0
S64	Raingage_1	CB182_223	0.4721	50.811	86.94	0.25	0
S65	Raingage_1	CB4219_4218	1.51	37.916	118.648	0.25	0
;To review							
S66	Raingage_1	CB268_631	0.6397	61.67	81.827	0.25	0
S67	Raingage_1	Meander_CB245_287	1.3057	55.631	173.483	0.25	0
S68	Raingage_1	CB612_253	0.6491	57.646	93.942	0.25	0
S69	Raingage_1	CB545_448	1.2571	46.649	149.655	0.25	0
S7	Raingage_1	CB1979	0.5312	46.177	63.114	0.25	0
;Look back at this							
S70	Raingage_1	CB550_696	0.3443	57.626	99.673	0.25	0
S70_1	Raingage_1	CB549_695	0.4284	60.05	95.2	0.25	0
S70_2	Raingage_1	CB694_693	1.341	60.05	167.625	0.25	0
;Cnty Rd 22							
S71	Raingage_1	STM3620	1.2987	42.378	120.194	0.25	0
S71_1	Raingage_1	CB1161	0.2171	56.744	43.069	0.25	0
;AV Graham Public School							
S71_2	Raingage_1	J604	0.0621	98	12.42	0.25	0
;AV Graham Public School							
S71_3	Raingage_1	J610	0.0969	78	14.908	0.25	0
;AV Graham Public School							
S71_4	Raingage_1	J606	0.0661	98	13.22	0.25	0
;AV Graham Public School							
S71_5	Raingage_1	J611	0.073	89	14.6	0.25	0
;AV Graham Public School							
S71_6	Raingage_1	J609	0.0762	78	15.24	0.25	0
;AV Graham Public School							
S71_7	Raingage_1	J608	0.0526	100	10.52	0.25	0
;AV Graham Public School							
S71_8	Raingage_1	CB683_682	0.3216	29.433	28.855	0.25	0
S71_9	Raingage_1	CB1160_1246	0.0896	56.744	17.775	0.25	0
S72	Raingage_1	CB852_851	0.9586	47.039	110.386	0.25	0
S72_1	Raingage_1	J514	0.8641	53.089	101.659	0.25	0
S72_11	Raingage_1	J510	0.6008	53.089	109.236	0.25	0
S72_12	Raingage_1	J515	0.4574	53.089	83.164	0.25	0
S72_13	Raingage_1	J509	0.8465	53.089	153.909	0.25	0
S72_14	Raingage_1	J508	0.9867	53.089	179.4	0.25	0
S72_15	Raingage_1	J511	0.8372	53.089	152.218	0.25	0
S72_16	Raingage_1	CB850	0.4883	47.246	72.438	0.25	0
S72_17	Raingage_1	J512	0.7923	53.089	144.055	0.25	0
S72_18	Raingage_1	CB544_446	0.7927	47.246	117.596	0.25	0
S72_19	Raingage_1	J513	0.5406	53.089	120.133	0.25	0
S72_2	Raingage_1	CB747_810	0.3721	64.887	82.689	0.25	0
S72_20	Raingage_1	CB848_849	0.7486	52.305	120.742	0.25	0
S72_21	Raingage_1	CB791	0.4687	52.305	65.097	0.25	0

S72_23	Raingage_1	CB792	0.6086	52.305	75.779	0.25	0
S72_24	Raingage_1	CB864_863	0.6623	52.305	106.823	0.25	0
S72_3	Raingage_1	CB1	0.5464	64.887	91.067	0.25	0
S72_4	Raingage_1	CB748_811	0.5895	64.887	96.639	0.25	0
S72_5	Raingage_1	CB812_813	0.9756	64.887	110.788	0.25	0
S72_6	Raingage_1	CB749_814	0.9094	64.887	115.114	0.25	0
S72_7	Raingage_1	CB872_802	0.4399	55.055	97.756	0.25	0
S72_8	Raingage_1	CB804_874	1.3965	55.055	196.69	0.25	0
S72_9	Raingage_1	CB805_875	1.7225	55.055	242.606	0.25	0
S73	Raingage_1	CB800_870	1.1417	48.413	204.43	0.25	0
S74	Raingage_1	CB1393	1.0309	57.75	127.753	0.25	0
S74_1	Raingage_1	J522	0.9212	48.364	167.491	0.25	0
S74_2	Raingage_1	CB798_868	1.5326	48.364	89.654	0.25	0
S74_4	Raingage_1	J525	0.6029	48.364	133.978	0.25	0
S74_5	Raingage_1	J523	0.2045	48.364	68.167	0.25	0
S74_6	Raingage_1	J526	0.4707	48.364	104.6	0.25	0
S74_7	Raingage_1	J524	1.3541	48.364	188.069	0.25	0
S75	Raingage_1	CB1398_1439	1.3177	57.178	155.024	0.25	0
S76	Raingage_1	CB901	0.7793	45.633	112.942	0.25	0
S77	Raingage_1	CB770_839	1.5586	54.384	153.978	0.25	0
S78	Raingage_1	CB767_836	0.6112	39.505	172.334	0.25	0
S79	Raingage_1	CB1404_1445	1.194	48.43	185.499	0.25	0
S79_2	Raingage_1	J538	0.7547	49.217	96.555	0.25	0
S79_3	Raingage_1	CB1450_1411	1.2309	49.217	146.536	0.25	0
S79_4	Raingage_1	J537	0.5942	49.217	102.448	0.25	0
S8	Raingage_1	CB1984	0.752	48.961	101.929	0.25	0
S80	Raingage_1	CB819_754	0.803	56.763	143.393	0.25	0
S80_2	Raingage_1	J540	0.4997	49.875	40.423	0.25	0
S80_4	Raingage_1	J541	0.7735	49.875	62.571	0.25	0
S80_5	Raingage_1	CB1447_1407	1.5086	49.875	122.036	0.25	0
S80_6	Raingage_1	CB750_751	0.5509	58.265	110.18	0.25	0
S80_7	Raingage_1	CB818_753	1.1796	58.265	105.321	0.25	0
S80_8	Raingage_1	CB817_752	0.5564	58.265	123.644	0.25	0
S80_9	Raingage_1	CB815_816	0.9705	58.265	111.912	0.25	0
S81	Raingage_1	CB1484_1582	1.0618	51.945	194.586	0.25	0
S82	Raingage_1	CB1416_1455	0.5754	49.285	114.031	0.25	0
S83	Raingage_1	CB1584_1487	1.4312	55.963	149.083	0.25	0
S84	Raingage_1	CB1583_1485	0.6792	56.617	84.9	0.25	0
S85	Raingage_1	CB1472_1567	1.1746	55.767	149.533	0.25	0
S85_1	Raingage_1	CB1571	0.1726	50.862	43.15	0.25	0
S85_2	Raingage_1	CB1585_1488	0.547	50.862	85.469	0.25	0
S86	Raingage_1	CB1473_1568	1.0255	58.063	143.851	0.25	0
S87	Raingage_1	CB1593_1496	0.3298	54.838	115.529	0.25	0
S88	Raingage_1	CB1600_1502	1.1075	56.343	124.438	0.25	0
S89	Raingage_1	CB1594_1497	1.1948	55.945	98.744	0.25	0
S9	Raingage_1	CB1981	1.3491	43.086	122.645	0.25	0
S90	Raingage_1	CB345_146	0.9818	52.901	151.046	0.25	0
S91	Raingage_1	j563	0.313	72.445	55.455	0.25	0
;To review							
S92	Raingage_1	J418	0.3253	89.555	32.859	0.25	0
S93	Raingage_1	CB314_313	0.405	56.393	47.647	0.25	0
S94	Raingage_1	CB601	0.1964	53.114	30.956	0.25	0
S95	Raingage_1	J567	0.0583	61.06	16.657	0.25	0
S96	Raingage_1	STM500	0.0948	10	15.8	0.25	0
S97	Raingage_1	J569	0.139	46.91	16.353	0.25	0
;ASSUMED OUTLET							
S98	Raingage_1	CB2837_2838	1.145	33.067	129.119	0.25	0
;Sewer split, could be delineated to Manning PS							
S99	Raingage_1	CB1385	1.3974	46.967	137.702	0.25	0
;Sewer split, could be delineated to Manning PS							
S99_1	Raingage_1	CB1382	0.5844	46.967	25.589	0.25	0
;Sewer split, could be delineated to Manning PS							
S99_2	Raingage_1	CB1386	0.6719	46.967	79.047	0.25	0
;Sewer split, could be delineated to Manning PS							

S99_3	Raingage_1	CB1377	0.6867	46.967	30.069	0.25	0
W1_2	Raingage_1	J553	1.146	53.028	134.824	0.25	0
W1_3	Raingage_1	CB1601_1503	1.1838	53.028	134.523	0.25	0
W1_5	Raingage_1	J556	0.8965	53.028	96.398	0.25	0
W101	Raingage_1	CB177_107	0.67812	62.413	96.874	0.25	0
W102	Raingage_1	CB175_106	0.724694	56.91	154.19	0.25	0
W103	Raingage_1	CB178_108	0.875463	57.253	125.066	0.25	0
W104_1	Raingage_1	CB334_132	0.8634	53.714	123.343	0.25	0
W104_2	Raingage_1	CB335_133	1.1567	53.714	183.603	0.25	0
W107	Raingage_1	CB151_350	0.931707	58.266	282.335	0.25	0
W108_1	Raingage_1	CB4235_351	0.2841	47.559	71.025	0.25	0
W108_2	Raingage_1	CB352	0.6029	47.559	150.725	0.25	0
W11_1	Raingage_1	CB1480	0.7486	51.059	34.657	0.25	0
W11_2	Raingage_1	J551	0.9136	51.059	42.296	0.25	0
;Connected to junction, delineated to closest MH							
W116_1	Raingage_1	J431	0.7701	50.362	106.958	0.25	0
;Connected to junction, delineated to closest MH							
W116_4	Raingage_1	J430	0.8216	50.362	136.933	0.25	0
W12	Raingage_1	CB1482_1578	0.710578	52.872	78.953	0.25	0
W121_2	Raingage_1	CB60_61	1.5177	48.936	161.457	0.25	0
W121_3	Raingage_1	J432	0.3533	48.936	17.404	0.25	0
W124	Raingage_1	J419	0.667435	68.625	98.152	0.25	0
W125	Raingage_1	CB54_55	0.796775	51.564	137.375	0.25	0
;Park							
W126	Raingage_1	CB53_52	0.580511	16.503	54.253	0.25	0
W127	Raingage_1	CB8_51	0.735414	54.97	74.284	0.25	0
W129	Raingage_1	CB62_12	1.395267	57.693	94.275	0.25	0
W13	Raingage_1	CB1580_1581	1.02452	56.026	189.726	0.25	0
W130	Raingage_1	CB9_4234	0.25047	45.339	54.45	0.25	0
W131_1	Raingage_1	CB17_69	1.0394	57.094	86.857	0.25	0
W131_2	Raingage_1	CB71_19	1.0711	57.094	86.857	0.25	0
W132	Raingage_1	CB13_63	1.309787	54.45	86.17	0.25	0
W133	Raingage_1	CB4224_16	0.529773	64.416	71.591	0.25	0
W138	Raingage_1	J436	0.991488	49.041	84.024	0.25	0
W139	Raingage_1	J435	1.227043	49.883	104.875	0.25	0
W14	Raingage_1	CB1419_1458	0.770058	53.629	102.674	0.25	0
W140	Raingage_1	CB53_52	0.334384	56.634	49.908	0.25	0
W143	Raingage_1	CB41_40	1.081145	72.491	111.458	0.25	0
W144	Raingage_1	J404	1.169947	60.838	113.587	0.25	0
;Carling Park							
W145_1	Raingage_1	CB4211	0.5917	7.772	73.049	0.25	0
;Carling Park							
W145_2	Raingage_1	J388	1.0895	7.772	75.66	0.25	0
W146	Raingage_1	SU3	2.311803	6.208	94.359	0.25	0
W147_1	Raingage_1	J421	2.033	30	114.859	0.25	0
W147_2	Raingage_1	J420	1.586	91	102.987	0.25	0
W148_1	Raingage_1	CB560_367	0.4609	62.22	51.211	0.25	0
W148_2	Raingage_1	CB368	0.3786	62.22	42.067	0.25	0
;To review							
W149_3	Raingage_1	J376	1.0514	38.27	86.18	0.25	0
;To review							
W149_4	Raingage_1	J380	1.1953	28.52	103.043	0.25	0
W149_5	Raingage_1	CB4316_402	1.0786	38.27	118.527	0.25	0
W15	Raingage_1	J539	1.016297	53.51	145.185	0.25	0
W150_1	Raingage_1	CB197_593	1.4779	48.16	180.232	0.25	0
W152_1	Raingage_1	CB306A	0.7051	51.343	113.726	0.25	0
W153_2	Raingage_1	CB293_294	0.2809	61.114	38.479	0.25	0
W154_1	Raingage_1	J479	0.3121	48.142	56.745	0.25	0
W154_3	Raingage_1	J480	0.509	48.142	71.69	0.25	0
W154_4	Raingage_1	J481	0.5744	48.142	82.057	0.25	0
W157	Raingage_1	J410	1.180529	88.982	94.442	0.25	0
W16	Raingage_1	CB1420_1459	0.590152	47.97	151.321	0.25	0
;Area not delineated to a MH							
W167_1	Raingage_1	J488	0.805	100	56.69	0.25	0

;Area not delineated to a MH							
W167_2	Raingage_1	J489	1.3518	10	75.1	0.25	0
W168	Raingage_1	CB37_87	1.266146	41.469	207.565	0.25	0
W169_1	Raingage_1	j345	0.2337	49.95	38.95	0.25	0
W169_10	Raingage_1	J360	0.0913	49.95	20.289	0.25	0
W169_11	Raingage_1	J359	0.0872	49.95	17.796	0.25	0
W169_12	Raingage_1	J361	0.1501	49.95	15.8	0.25	0
W169_2	Raingage_1	J356	0.5695	49.95	113.9	0.25	0
W169_3	Raingage_1	j346	0.7632	49.95	89.788	0.25	0
W169_4	Raingage_1	J344	0.4056	49.95	62.4	0.25	0
W169_5	Raingage_1	j347	0.2136	49.95	35.6	0.25	0
W169_6	Raingage_1	J357	1.6161	49.95	190.129	0.25	0
W169_7	Raingage_1	j348	0.5273	49.95	81.123	0.25	0
W169_8	Raingage_1	J354	0.6407	49.95	128.14	0.25	0
;Portion goes into Manning PS area							
W17_1	Raingage_1	J543	0.3923	53.794	71.327	0.25	0
;Portion goes into Manning PS area							
W17_2	Raingage_1	J542	0.5684	53.794	81.2	0.25	0
W172	Raingage_1	CB1001	1.326304	48.506	131.317	0.25	0
W173	Raingage_1	CB1563	1.1906	52.861	125.326	0.25	0
W174	Raingage_1	CB1250	0.2412	50.763	86.143	0.25	0
;Is this area delineated correctly?							
W175_2	Raingage_1	J340	0.3256	10.599	51.683	0.25	0
;Is this area delineated correctly?							
W175_3	Raingage_1	J341	0.4863	10.599	73.682	0.25	0
;Is this area delineated correctly?							
W175_4	Raingage_1	J342	0.683	10.599	66.311	0.25	0
;Is this area delineated correctly?							
W175_5	Raingage_1	J339	0.2396	10.599	25.763	0.25	0
;Tecumseh Towne Centre, Outlet via 200 pipe							
W176_1	Raingage_1	J711	1.1461	86.249	109.152	0.25	0
;Tecumseh Towne Centre, Outlet via 200 pipe							
W176_2	Raingage_1	J337	0.5689	86.249	66.929	0.25	0
W177	Raingage_1	CB2765_2711	1.166355	54.654	238.032	0.25	0
W178	Raingage_1	CB2767	0.645688	59.424	60.345	0.25	0
;Potential Survey							
W179_1	Raingage_1	J296	1.2868	59.134	122.552	0.25	0
;Potential Survey							
W179_10	Raingage_1	J297	0.4613	59.134	82.375	0.25	0
;Potential Survey							
W179_11	Raingage_1	J303	0.4339	59.134	83.442	0.25	0
;Potential Survey							
W179_12	Raingage_1	J304	0.868	59.134	90.417	0.25	0
;Potential Survey							
W179_13	Raingage_1	J305	1.168	59.134	149.744	0.25	0
;Potential Survey							
W179_2	Raingage_1	J293	1.0633	59.134	114.333	0.25	0
;Potential Survey							
W179_3	Raingage_1	J301	0.1401	59.134	40.029	0.25	0
;Potential Survey							
W179_4	Raingage_1	J298	0.9718	59.134	127.868	0.25	0
;Potential Survey							
W179_5	Raingage_1	CB1822_1823	0.386	59.134	85.778	0.25	0
;Potential Survey							
W179_7	Raingage_1	J295	0.433	59.134	45.104	0.25	0
;Potential Survey							
W179_8	Raingage_1	J294	0.3404	59.134	75.644	0.25	0
;Potential Survey							
W179_9	Raingage_1	J302	0.8454	59.134	73.513	0.25	0
W180	Raingage_1	CB9601	1.146496	31.525	148.896	0.25	0
W181_1	Raingage_1	J330	0.7247	61.764	105.029	0.25	0
W181_2	Raingage_1	J607	0.146	80	17.176	0.25	0
W181_3	Raingage_1	J329	0.6073	61.764	134.956	0.25	0
W181_5	Raingage_1	J618	0.4302	61.764	86.04	0.25	0

W181_6	Raingage_1	J328	0.1103	95	22.06	0.25	0
W181_7	Raingage_1	J619	0.0899	61.764	17.98	0.25	0
W187	Raingage_1	CB520	0.888841	49.223	98.76	0.25	0
W189_1	Raingage_1	J336	0.7685	50.158	118.231	0.25	0
W189_2	Raingage_1	J333	0.8789	50.158	151.534	0.25	0
;Little River Park							
W19_1	Raingage_1	J535	0.662	44.5	120.364	0.25	0
;Little River Park							
W19_2	Raingage_1	J536	1.2414	26.771	107.017	0.25	0
W191	Raingage_1	J66	0.9242	51.021	96.271	0.25	0
W192_1	Raingage_1	CB1531	1.0722	48.456	116.543	0.25	0
W192_2	Raingage_1	J373	1.1341	48.456	123.272	0.25	0
W193	Raingage_1	J332	1.6216	48.091	115.829	0.25	0
W194_1	Raingage_1	J275	0.2681	6.182	14.111	0.25	0
W194_2	Raingage_1	VIA-Rail_J2264	1.7554	6.182	92.389	0.25	0
W194_3	Raingage_1	J696	3.0471	6.182	160.374	0.25	0
W194_5	Raingage_1	J285	0.0638	6.182	3.358	0.25	0
W195	Raingage_1	CB1639_1641	1.241223	51.183	129.294	0.25	0
W196	Raingage_1	J331	1.339985	47.436	1030.758	0.25	0
W198	Raingage_1	CB1640	1.227335	47.48	175.334	0.25	0
W199_1	Raingage_1	J283	0.5123	54.022	113.844	0.25	0
W199_2	Raingage_1	J281	1.2022	54.022	28.969	0.25	0
W199_3	Raingage_1	J280	0.848	54.022	151.429	0.25	0
W199_5	Raingage_1	J279	1.1948	54.022	206	0.25	0
W2_1	Raingage_1	J560	0.8088	57.739	144.429	0.25	0
W2_2	Raingage_1	CB1598_4262	1.066	57.739	94.336	0.25	0
W20	Raingage_1	CB1892_1891	1.206795	51.076	123.142	0.25	0
W200_1	Raingage_1	CB1648_1534	0.8153	51.491	95.918	0.25	0
W200_2	Raingage_1	CB1649_1537	1.0607	51.491	108.235	0.25	0
W201	Raingage_1	CB1535_1647	1.2369	47.764	179.261	0.25	0
W203	Raingage_1	CB1646_1534	1.4706	47.471	159.848	0.25	0
W204	Raingage_1	CB1625_1518	1.091959	56.291	136.495	0.25	0
W205_1	Raingage_1	J278	1.1513	56.566	112.873	0.25	0
W205_3	Raingage_1	J277	1.1405	56.566	108.619	0.25	0
W205_4	Raingage_1	CB1627_1520	0.4658	56.566	103.511	0.25	0
W206_1	Raingage_1	CB1611	1.0867	61.832	103.495	0.25	0
W206_2	Raingage_1	J276	0.6195	61.832	154.875	0.25	0
;Portion goes into Lesperance PS area							
W207_1	Raingage_1	J366	1.9177	36	52.54	0.25	0
;Portion goes into Lesperance PS area							
W207_3	Raingage_1	J367	0.9034	45.739	88.569	0.25	0
;Portion goes into Lesperance PS area							
W207_4	Raingage_1	J368	0.7574	45.739	74.255	0.25	0
;Model sewers within area							
W208	Raingage_1	CB1555_988	1.327318	41.514	82.957	0.25	0
W209_2	Raingage_1	CB1552_984	1.0804	44.938	142.158	0.25	0
W209_3	Raingage_1	J3	0.2875	44.938	52.273	0.25	0
W209_4	Raingage_1	J52	0.1542	44.938	7.041	0.25	0
W209_5	Raingage_1	J16	0.7005	44.938	104.552	0.25	0
W209_6	Raingage_1	J65	0.1374	44.938	6.274	0.25	0
W21_1	Raingage_1	J530	0.4343	55.72	12.303	0.25	0
W21_2	Raingage_1	J529	2.7183	55.72	135.239	0.25	0
W210	Raingage_1	CB1549_975	0.353467	57.035	121.885	0.25	0
W213	Raingage_1	CB1549_975	1.15724	57.904	160.728	0.25	0
W214	Raingage_1	CB1661_1547	1.223509	58.915	165.339	0.25	0
W215	Raingage_1	CB1538_1650	1.086384	44.948	100.591	0.25	0
;Review connection							
W218_1	Raingage_1	J624	0.5396	81.955	38.543	0.25	0
;Review connection							
W218_3	Raingage_1	J625	0.9797	81.955	69.979	0.25	0
;Review connection							
W218_4	Raingage_1	J627	0.1999	81.955	33.317	0.25	0
;Review connection							
W218_5	Raingage_1	CB_MCD	0.4731	81.955	51.989	0.25	0

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;Review connection
W218_6      Raingage_1      J626      0.1078      81.955      19.25      0.25      0
W22         Raingage_1      CB1422_4249  0.794472    49.343      124.136    0.25      0
W220        Raingage_1      CB1251     0.59815     46.658      96.476     0.25      0
W221        Raingage_1      CB1006_4472  0.86287     50.617      151.381    0.25      0
;Model sewers within area
W222        Raingage_1      CB4381_4380  0.989045    47.071      83.113     0.25      0
W223        Raingage_1      J600        0.1668      64.956      27.8        0.25      0
W227_1      Raingage_1      CB566_373   0.4045      54.305      66.311     0.25      0
W227_2      Raingage_1      CB565_372   0.8679      54.305      115.72     0.25      0
W228_2      Raingage_1      CB562_369   0.3318      52.509      73.733     0.25      0
W228_3      Raingage_1      CB564_371   0.4424      52.509      72.525     0.25      0
W228_4      Raingage_1      CB563_370   0.2339      52.509      51.978     0.25      0
W229        Raingage_1      CB171_172   0.856529    52.563      75.134     0.25      0
W23         Raingage_1      CB768_837   0.817937    47.377      103.536    0.25      0
W234        Raingage_1      CB1558      1.065863    53.182      144.036    0.25      0
W235_2      Raingage_1      STM423      0.4378      39          39.089     0.25      0
W235_3      Raingage_1      CB_J66582   0.835918    47.583      149.271    0.25      0
W235_4      Raingage_1      CB4396_4397  0.304382    47.583      56.367     0.25      0
W237        Raingage_1      J527        3.1532      49.346      86.626     0.25      0
;Funeral Home. Confirm outlet
W238_1      Raingage_1      CB6302_6303  0.6256      42          90.667     0.25      0
W24_1       Raingage_1      J533        0.8447      52.589      145.638    0.25      0
W24_2       Raingage_1      J534        0.6634      52.589      132.68     0.25      0
W241        Raingage_1      CB1162      0.848708    57.54       139.132    0.25      0
W242        Raingage_1      CB2875_3148  0.693174    51.515      101.937    0.25      0
W243        Raingage_1      CB3149_2876  1.22295     50.401      77.402     0.25      0
W244        Raingage_1      CB2877_3150  0.839119    52.086      89.268     0.25      0
W246        Raingage_1      CB3146_3147  0.525618    52.253      103.062    0.25      0
W247        Raingage_1      CB2829_3090  1.223448    54.043      179.919    0.25      0
W248        Raingage_1      CB4357_4326  1.2202      56.165      171.232    0.25      0
W249        Raingage_1      J286        0.450735    47.128      53.659     0.25      0
;Ecole Sainte Marguerite delineated to Manning PS
W25_1       Raingage_1      STM3832     0.2244      80          37.4        0.25      0
;Ecole Sainte Marguerite delineated to Manning PS
W25_2       Raingage_1      J548        1.9875      6.7         104.058    0.25      0
;Ecole Sainte Marguerite delineated to Manning PS
W25_4       Raingage_1      J547        1.4301      65          119.175    0.25      0
;Ecole Sainte Marguerite delineated to Manning PS
W25_5       Raingage_1      CB1461_1460  0.3523      65          13.655     0.25      0
W250        Raingage_1      CB2865_2864  0.615951    43.067      59.801     0.25      0
W251_1      Raingage_1      J169        1.2241      47.728      120.01     0.25      0
W251_3      Raingage_1      J168        0.5267      47.728      74.183     0.25      0
;Two pipes running parallel
W255        Raingage_1      CB3089_2828  0.4268      54.754      121.943    0.25      0
;Conneted to juntion delineatedto closest MH
W256        Raingage_1      CB3086_2825  1.098351    49.28       161.522    0.25      0
W257        Raingage_1      CB31        0.236897    49.603      51.499     0.25      0
W26         Raingage_1      J528        1.045207    52.264      114.858    0.25      0
W260        Raingage_1      CB4279_4297  0.9906      62.028      141.397    0.25      0
W261        Raingage_1      CB3085_2824  1.208501    54.979      185.923    0.25      0
W262        Raingage_1      CB3084_2823  0.78051     50.076      70.955     0.25      0
W263        Raingage_1      J170        0.638719    61.223      72.582     0.25      0
W264        Raingage_1      CB4266_4278  0.941119    50.254      154.282    0.25      0
W265        Raingage_1      CB2083      0.5262      45.963      82.219     0.25      0
W266        Raingage_1      CB3079_3081  0.256896    61.546      32.518     0.25      0
W267        Raingage_1      CB3078_2820  0.350335    54.6        63.697     0.25      0
W268        Raingage_1      CB3076_2818  1.066327    54.696      146.072    0.25      0
W27         Raingage_1      J246        0.652317    53.171      70.904     0.25      0
;Split in half, delineated to upstream
W270_2      Raingage_1      J132        1.3738      57.204      77.616     0.25      0
W271_2      Raingage_1      J133        1.4533      46.89       93.761     0.25      0
W272        Raingage_1      CB3141_3140  1.080464    52.102      100.978    0.25      0
;Split in half, delineated to upstream

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W273	Raingage_1	CB3138_2870	1.595539	47.318	123.685	0.25	0
W274	Raingage_1	CB2868_3136	0.644884	46.464	184.253	0.25	0
W275_1	Raingage_1	J131	1.3893	44.442	62.3	0.25	0
W275_2	Raingage_1	J130	1.6762	44.442	164.333	0.25	0
W276	Raingage_1	CB2840_3105	1.13995	38.05	180.944	0.25	0
W277	Raingage_1	CB2940_3011	0.609	42.966	51.614	0.25	0
;U/S MH below seleted area							
W278_2	Raingage_1	CB567_374	0.6118	48.792	89.971	0.25	0
W279	Raingage_1	CB573_380	1.375169	52.315	199.3	0.25	0
W28	Raingage_1	CB1399_1440	0.639883	44.533	108.455	0.25	0
W280	Raingage_1	CB2909_2910	0.994881	51.129	130.905	0.25	0
W281_1	Raingage_1	CB2710_2764	0.2587	46.605	41.726	0.25	0
W281_2	Raingage_1	CB2916_2915	0.2062	46.605	40.431	0.25	0
;Back of lot assumed to cyr drain							
W283	Raingage_1	CB2907_2753	0.91655	32.768	179.716	0.25	0
;Extended to back of lot into Manning PS							
W284	Raingage_1	CB2913_2759	1.422674	42.246	94.845	0.25	0
W285_3	Raingage_1	J287	0.4274	78.73	65.754	0.25	0
W285_4	Raingage_1	J288	0.5796	93	56.824	0.25	0
W285_5	Raingage_1	J173	0.2343	85	38.41	0.25	0
W286	Raingage_1	CB3074_2816	0.875693	46.749	162.165	0.25	0
W287	Raingage_1	CB2767	1.786417	54.09	146.428	0.25	0
W288_4	Raingage_1	CB2927_2990	0.4587	36.472	47.289	0.25	0
W288_5	Raingage_1	CB2762_2763	0.3206	36.472	33.052	0.25	0
W289	Raingage_1	J174	1.316941	32.448	151.373	0.25	0
W29	Raingage_1	J532	0.741916	55.791	69.992	0.25	0
;StAnne_Sewer							
W290	Raingage_1	St.Anne_J34	0.9982	44.691	36.036	0.25	0
;StAnne_Sewer							
W290_10	Raingage_1	St.Anne_J32	2.3019	35.916	277.337	0.25	0
;StAnne_Sewer							
W290_2	Raingage_1	St.Anne_J24	0.134	35.916	16.145	0.25	0
;StAnne_Sewer							
W290_8	Raingage_1	St.Anne_J24	0.1007	35.916	12.133	0.25	0
;StAnne_Sewer							
W291_1	Raingage_1	St.Anne_J13	0.2987	37.98	35.988	0.25	0
;StAnne_Sewer							
W291_2	Raingage_1	St.Anne_J19	0.528	37.98	63.614	0.25	0
;StAnne_Sewer							
W291_3	Raingage_1	St.Anne_J13	0.2774	37.98	33.422	0.25	0
;StAnne_Sewer							
W291_4	Raingage_1	St.Anne_J20	0.6243	37.98	75.217	0.25	0
;StAnne_Sewer							
W291_5	Raingage_1	St.Anne_J22	0.732	37.98	88.193	0.25	0
;StAnne_Sewer							
W291_7	Raingage_1	St.Anne_J19	1.0424	37.98	125.59	0.25	0
;StAnne_Sewer							
W291_8	Raingage_1	St.Anne_J20	1.169	37.98	140.843	0.25	0
;StAnne_Sewer							
W291_9	Raingage_1	St.Anne_J22	0.9463	37.98	114.012	0.25	0
;ASSUMED OUTLET							
W292	Raingage_1	J29	1.1472	28.344	106.107	0.25	0
;StAnne_Sewer							
W292_2	Raingage_1	NP_J9321	1.3974	38.344	72.781	0.25	0
;StAnne_Sewer							
W293_1	Raingage_1	St.Anne_J4	1.2664	36.126	152.578	0.25	0
;StAnne_Sewer							
W293_11	Raingage_1	St.Anne_J8	1.0435	36.126	125.723	0.25	0
;StAnne_Sewer							
W293_2	Raingage_1	St.Anne_J8	0.9731	36.126	117.241	0.25	0
;StAnne_Sewer							
W293_3	Raingage_1	St.Anne_J6	0.6841	36.126	82.422	0.25	0
;StAnne_Sewer							
W293_4	Raingage_1	St.Anne_J6	0.7314	36.126	88.12	0.25	0

;StAnne_Sewer W293_5	Raingage_1	St.Anne_J36	1.4875	36.126	179.217	0.25	0
;StAnne_Sewer W293_6	Raingage_1	St.Anne_J11	0.5458	36.126	65.759	0.25	0
;StAnne_Sewer W293_7	Raingage_1	St.Anne_J2	1.7094	36.126	205.952	0.25	0
;StAnne_Sewer W293_8	Raingage_1	St.Anne_J6	0.7274	36.126	87.639	0.25	0
;StAnne_Sewer W293_9	Raingage_1	St.Anne_J6	0.7299	36.126	87.94	0.25	0
;StAnne_Sewer W294	Raingage_1	St.Anne_J15	1.19655	50.191	88.633	0.25	0
W295	Raingage_1	CB2940_3011	0.384426	39.967	51.949	0.25	0
W296_1	Raingage_1	CB2939_3008	2.4034	42.337	153.083	0.25	0
W296_2	Raingage_1	CB2937_2999	0.622	42.337	155.5	0.25	0
;Goes to BD W297_1	Raingage_1	CB2832_2833	0.9437	39.062	155.137	0.25	0
;Goes to BD W297_2	Raingage_1	CB2933_2994	1.4804	39.062	142.346	0.25	0
;Commercial W298_1	Raingage_1	J318	0.9399	89.526	93.99	0.25	0
;Commercial W298_2	Raingage_1	J319	0.3008	89.526	30.08	0.25	0
;Commercial W299	Raingage_1	J663	0.1307	87.67	13.07	0.25	0
;Commercial W299_1	Raingage_1	J677	0.0367	87.67	3.67	0.25	0
;Commercial W299_10	Raingage_1	J665	0.0632	87.67	6.32	0.25	0
;Commercial W299_11	Raingage_1	J668	0.1373	87.67	13.73	0.25	0
;Commercial W299_12	Raingage_1	J674	0.0447	87.67	4.47	0.25	0
;Commercial W299_13	Raingage_1	J673	0.028	87.67	2.8	0.25	0
;Commercial W299_14	Raingage_1	J667	0.0707	87.67	7.07	0.25	0
;Commercial W299_15	Raingage_1	J676	0.1337	87.67	13.37	0.25	0
;Commercial W299_17	Raingage_1	CBMH_TMC	0.1707	87.67	17.07	0.25	0
;Commercial W299_18	Raingage_1	J670	0.0885	87.67	8.85	0.25	0
;Commercial W299_19	Raingage_1	J666	0.0665	87.67	6.65	0.25	0
;Commercial W299_2	Raingage_1	J671	0.0001	87.67	0.01	0.25	0
;Commercial W299_20	Raingage_1	J675	0.1236	87.67	12.36	0.25	0
;Commercial W299_21	Raingage_1	J678	0.1511	87.67	15.11	0.25	0
;Commercial W299_3	Raingage_1	J662	0.1219	87.67	12.19	0.25	0
;Commercial W299_4	Raingage_1	J669	0.0924	87.67	9.24	0.25	0
;Commercial W299_5	Raingage_1	J664	0.0362	87.67	3.62	0.25	0
;Commercial W299_6	Raingage_1	J671	0.0809	87.67	8.09	0.25	0
;Commercial W299_7	Raingage_1	J671	0	87.67	0	0.25	0
;Commercial W299_8	Raingage_1	J672	0.0583	87.67	5.83	0.25	0
;Commercial							

W299_9	Raingage_1	J679	0.0005	87.67	0.05	0.25	0
W3_1	Raingage_1	J561	0.7683	56.158	128.05	0.25	0
W3_2	Raingage_1	CB1595_1498	1.158	56.158	186.774	0.25	0
;Commercial, Must confirm SWM							
W300_1	Raingage_1	J659	0.0672	90.522	37.333	0.25	0
;Commercial, Must confirm SWM							
W300_2	Raingage_1	J657	0.2025	90.522	48.214	0.25	0
;Commercial, Must confirm SWM							
W300_3	Raingage_1	J653	0.126	100	33.158	0.25	0
;Commercial, Must confirm SWM							
W300_4	Raingage_1	J655	0.0859	94	24.543	0.25	0
;Commercial, Must confirm SWM							
W300_5	Raingage_1	J651	0.1349	93	53.96	0.25	0
;Commercial, Must confirm SWM							
W300_6	Raingage_1	J652	0.1454	100	35.463	0.25	0
;Commercial, Must confirm SWM							
W300_8	Raingage_1	J658	0.1853	90.522	47.513	0.25	0
;Commercial							
W301	Raingage_1	J382	1.451128	38.932	145.113	0.25	0
W305	Raingage_1	J446	2.086828	53.516	149.059	0.25	0
;Connected to junction with U/S MH							
W307	Raingage_1	CB76_24	0.805025	46.848	138.797	0.25	0
;Confirm Outlet with LiDar							
W309	Raingage_1	DICB_2	2.579611	0.096	112.157	0.25	0
W31	Raingage_1	CB1397_1438	1.065443	53.519	133.18	0.25	0
;Commercial, (confirm swm)							
W310_1	Raingage_1	J631	0.1752	98	35.755	0.25	0
;Commercial, (confirm swm)							
W310_3	Raingage_1	COMM_CB	0.7198	97	71.98	0.25	0
;Commercial, (confirm swm)							
W310_4	Raingage_1	J632	0.3275	93	32.75	0.25	0
;Commercial, (confirm swm)							
W310_5	Raingage_1	J635	1.0538	87.229	98.486	0.25	0
;Commercial, (confirm swm)							
W310_6	Raingage_1	J630	0.6395	100	77.988	0.25	0
;Confirm SWM of funeral home							
W311	Raingage_1	J67	2.030925	64.417	203.092	0.25	0
W312	Raingage_1	CB9698_9597	2.0528	28.482	277.405	0.25	0
;Delineated to the closest MH							
W313	Raingage_1	J68	0.13424	68.497	30.509	0.25	0
W314	Raingage_1	J69	0.332475	84.476	51.949	0.25	0
;Delineated to the closest MH							
W316	Raingage_1	CB1087	2.4138	36.543	148.086	0.25	0
;Delineated to the closest MH							
W317_1	Raingage_1	J639	0.0897	93	14.016	0.25	0
;Delineated to the closest MH							
W317_2	Raingage_1	J641	0.179	89.868	33.148	0.25	0
;Delineated to the closest MH							
W317_3	Raingage_1	J643	0.2322	89.868	36.281	0.25	0
;Delineated to the closest MH							
W318	Raingage_1	COMM103	1.337617	28.69	143.83	0.25	0
;commercial area, confirm SWM							
W319	Raingage_1	STM1255	1.885107	84.042	200.543	0.25	0
;Assumed connection D/S							
W32_1	Raingage_1	J578	0.8308	49.332	127.815	0.25	0
;Assumed connection D/S							
W32_2	Raingage_1	J579	0.9342	49.332	89.827	0.25	0
W320	Raingage_1	CB1126_924	0.1329	88.195	20.446	0.25	0
W321	Raingage_1	CB926	0.1359	81.754	33.975	0.25	0
W325	Raingage_1	CB1078	0.161469	98.25	32.294	0.25	0
W326	Raingage_1	CB1074	0.226483	95.177	45.297	0.25	0
W327	Raingage_1	CB973_903	0.229188	94.641	45.838	0.25	0
W328	Raingage_1	COMM102	0.541866	61.018	108.373	0.25	0
W329	Raingage_1	CB965_663	0.275814	94.428	38.308	0.25	0

W33	Raingage_1	CB1395_1433	0.593277	54.02	111.939	0.25	0
;Delineated to the closest MH							
W330	Raingage_1	COMM109	0.9091	20.817	62.267	0.25	0
;Delineated to the closest MH							
W331_1	Raingage_1	STM1626	0.4788	56.768	42	0.25	0
;Delineated to the closest MH							
W331_3	Raingage_1	J637	0.2206	15	31.514	0.25	0
;Delineated to the closest MH							
W331_4	Raingage_1	COMM108	0.144	85	24	0.25	0
;Delineated to the closest MH							
W331_5	Raingage_1	J636	0.1907	15	27.243	0.25	0
;Delineated to the closest MH							
W331_6	Raingage_1	J638	0.1338	80	27.875	0.25	0
;Delineated to the closest MH							
W332	Raingage_1	STM1619	0.701081	0.562	47.37	0.25	0
;Delineated to the closest MH							
W333	Raingage_1	COMM107	0.892732	60.965	65.642	0.25	0
;Delineated to the closest MH							
W334	Raingage_1	COMM105	1.36139	55.24	100.844	0.25	0
;Delineated to the closest MH							
W335	Raingage_1	COMM106	0.996	46.173	88.929	0.25	0
;Update once 2017 imagery is provided							
W336	Raingage_1	STM_F6	0.182854	75.5	35.164	0.25	0
;Update once 2017 imagery is provided							
W336_1	Raingage_1	Auto_J	0.608258	35.6	46.789	0.25	0
;Update once 2017 imagery is provided							
W336_2	Raingage_1	STM_F3	0.0908	100	30.267	0.25	0
;Update once 2017 imagery is provided							
W336_4	Raingage_1	STM_F1	0.083398	95	26.062	0.25	0
;Update once 2017 imagery is provided							
W336_5	Raingage_1	STM_F2	0.066791	95	20.872	0.25	0
;Update once 2017 imagery is provided							
W336_6	Raingage_1	STM_F5	0.040369	95	26.913	0.25	0
;Update once 2017 imagery is provided							
W336_7	Raingage_1	STM_F7	0.102136	81.12	22.697	0.25	0
;Delineated to the closest MH							
W337	Raingage_1	COMM104	1.0167	27.543	132.039	0.25	0
;Delineated to the closest MH							
W338	Raingage_1	STM1247	0.419044	86.081	85.519	0.25	0
;Manning							
W339	Raingage_1	STM5675	9.059448	7.367	196.945	0.25	0
;to ETLD							
W340	Raingage_1	STM5695	10.197321	2.181	284.841	0.25	0
;Antaya Drain							
W341	Raingage_1	ANT-2	12.380587	1.432	317.451	0.25	0
;ETLD							
W342	Raingage_1	STM5687	11.455271	1.596	230.026	0.25	0
;ETLD							
W343	Raingage_1	BD-5	1.559953	6.359	185.709	0.25	0
;Baillargeon Drain							
W344	Raingage_1	STM3152	17.95482	0.13	332.497	0.25	0
;TO CYR DRAIN							
W345_1	Raingage_1	EX.CBMH	0.5994	3.089	58.765	0.25	0
;TO CYR DRAIN							
W345_2	Raingage_1	CYR_1	10.8965	3.089	1089.65	0.25	0
;TO ETLD							
W346	Raingage_1	STM3150	3.984732	100	398.473	0.25	0
;TO ETLD							
W347	Raingage_1	CB3386_3384	1.474427	11.25	100.988	0.25	0
;TO ETLD							
W348	Raingage_1	CB3388_3382	2.413889	7.182	165.335	0.25	0
;TO ETLD							
W349_1	Raingage_1	J239	9.8297	21.43	196.988	0.25	0
;TO ETLD							

W349_2	Raingage_1	J240	5.6962	21.43	114.152	0.25	0
;TO CYR							
W350_1	Raingage_1	CYR_6	1.5008	22.556	60.032	0.25	0
;TO CYR_CONTROLLED_TO_PRE							
W350_2	Raingage_1	CYR_5	1.3288	5	97.706	0.25	0
;to ETLD							
W351	Raingage_1	CULV4	2.621521	58.404	262.152	0.25	0
;to ETLD							
W352	Raingage_1	STM3150	3.984732	100	398.473	0.25	0
;to ETLD							
W353_2	Raingage_1	J684	6.8278	31.206	682.78	0.25	0
;to ETLD							
W353_3	Raingage_1	J683	3.2715	31.206	327.15	0.25	0
;to ETLD							
W353_4	Raingage_1	STM3144	0.5574	57.78	37.662	0.25	0
;Arlington and Cnty Rd 22							
W355	Raingage_1	CR22-1	4.142545	36.382	414.255	0.25	0
;railway check topo for drainage route							
W356	Raingage_1	VIA-Rail_J2312	0.859583	0.042	85.958	0.25	0
;railway check LiDAR for drainage route							
W357	Raingage_1	VIA-Rail_J2226	0.681884	0.11	68.188	0.25	0
;railway check LiDAR for drainage route							
W358	Raingage_1	VIA-Rail_J2149	0.613346	2.28	61.335	0.25	0
;storm sewer network-get as-builts & CHECK LiDAR							
W359	Raingage_1	STM239	1.1648	0	116.48	0.25	0
;storm sewer network-get as-builts & CHECK LiDAR							
W360	Raingage_1	STM237	0.3412	4.963	34.12	0.25	0
;storm sewer network-get as-builts & CHECK LiDAR							
W361	Raingage_1	STM6070	0.572227	3.336	57.223	0.25	0
W365_1	Raingage_1	J413	0.0623	95.779	17.8	0.25	0
W365_3	Raingage_1	J412	0.0722	95.779	22.562	0.25	0
W365_4	Raingage_1	J411	0.0762	95.779	23.812	0.25	0
W365_5	Raingage_1	CB658_887	0.0535	97	26.75	0.25	0
W366	Raingage_1	CB657_886	0.6811	61.919	84.086	0.25	0
W367	Raingage_1	CB950_885	0.3503	80.622	61.456	0.25	0
W373_2	Raingage_1	CB1220_1221	0.1307	62.94	32.675	0.25	0
W373_3	Raingage_1	CB1207_1208	0.0526	62.94	21.04	0.25	0
W373_5	Raingage_1	CB1287_1298	0.1728	62.94	31.418	0.25	0
W375	Raingage_1	CB1282_1281	0.554629	52.172	138.657	0.25	0
W376	Raingage_1	STM6060	0.75822	94.969	133.021	0.25	0
W377_2	Raingage_1	J645	0.3664	94.79	70.462	0.25	0
W377_3	Raingage_1	J644	0.0956	94.79	22.762	0.25	0
W377_4	Raingage_1	J650	0.1949	94.79	29.09	0.25	0
W377_5	Raingage_1	J647	0.0301	94.79	12.04	0.25	0
W377_6	Raingage_1	J646	0.0342	82	13.68	0.25	0
W378	Raingage_1	STM3597	0.6664	74.975	74.044	0.25	0
W379	Raingage_1	STM3590	1.233017	83.231	112.092	0.25	0
W380	Raingage_1	STM3589	1.090028	88.425	92.375	0.25	0
;NO SWM identified							
W382	Raingage_1	J266	0.722339	73.828	150.487	0.25	0
;railway check topo for drainage route							
W383	Raingage_1	CULV2	1.505304	1.07	150.53	0.25	0
;railway check topo for drainage route							
W384	Raingage_1	CULV1	2.731127	1.722	273.113	0.25	0
;check topo for drainage route							
W385	Raingage_1	J568	5.837555	18.867	583.756	0.25	0
;railway check topo for drainage route							
W386	Raingage_1	STM5194	1.260301	0.124	126.03	0.25	0
;Shawano Park outlet via 300mm							
W387	Raingage_1	J552	1.333674	15.229	75.349	0.25	0
W393	Raingage_1	J439	0.319789	60.106	47.73	0.25	0
W394	Raingage_1	J565	0.108701	51.978	18.742	0.25	0
;No pipe area delineated to closest MH							
W395	Raingage_1	J566	0.095129	46.16	19.026	0.25	0

W399	Raingage_1	CB82_27	0.393379	78.931	78.676	0.25	0
;Riverside							
W402	Raingage_1	J562	0.079683	46.058	20.432	0.25	0
;Riverside							
W403	Raingage_1	CB42	0.245273	49.159	62.891	0.25	0
;Riverside							
W406	Raingage_1	J590	1.3551	48.072	55.31	0.25	0
;Riverside							
W406_1	Raingage_1	J591	1.1899	48.072	102.578	0.25	0
;Riverside							
W406_2	Raingage_1	J589	0.5888	48.072	79.568	0.25	0
;Riverside							
W406_3	Raingage_1	J588	0.569	48.072	62.527	0.25	0
;Riverside							
W406_7	Raingage_1	J592	1.1505	48.072	82.77	0.25	0
;Riverside							
W406_8	Raingage_1	J593	1.1433	48.072	84.066	0.25	0
;Riverside							
W407_2	Raingage_1	J583	1.7759	40.265	87.916	0.25	0
;Riverside							
W407_3	Raingage_1	STM41	0.1206	40.265	5.97	0.25	0
;Riverside							
W407_4	Raingage_1	J582	1.1181	40.265	55.351	0.25	0
;Riverside							
W408_1	Raingage_1	J577	1.012	62.904	119.059	0.25	0
;Riverside							
W408_2	Raingage_1	J580	0.4829	62.904	56.151	0.25	0
;Riverside is this correct							
W409_1	Raingage_1	J596	1.5377	45.318	187.524	0.25	0
;Riverside is this correct							
W409_2	Raingage_1	J598	1.0023	45.318	200.46	0.25	0
;Riverside is this correct							
W409_3	Raingage_1	J597	0.7583	45.318	176.349	0.25	0
;Riverside is this correct							
W409_5	Raingage_1	J599	1.3379	45.318	122.743	0.25	0
;Riverside							
W410	Raingage_1	CB82_27	1.562941	36.586	190.603	0.25	0
;PS							
W411	Raingage_1	STM17	0.096946	76.119	12.272	0.25	0
W412_1	Raingage_1	J335	0.7734	51.604	87.886	0.25	0
W412_2	Raingage_1	J334	0.7947	51.604	137.017	0.25	0
W413	Raingage_1	CB1628_1629	0.489586	51.912	111.27	0.25	0
W414	Raingage_1	CB34_35	0.734365	47.474	124.469	0.25	0
W415	Raingage_1	CB36_86	1.004852	55.076	112.905	0.25	0
W417	Raingage_1	J438	0.110647	22.237	21.278	0.25	0
;Large section							
W42	Raingage_1	STM1412	1.332513	34.592	187.678	0.25	0
;Connected to junction with U/S MH							
W428	Raingage_1	CB343_144	0.7129	55.058	108.015	0.25	0
;Added homes to deliniation since short pipe							
W43_1	Raingage_1	J545	0.6678	54.752	102.738	0.25	0
;Added homes to deliniation since short pipe							
W43_2	Raingage_1	J544	0.3049	54.752	55.436	0.25	0
;Added homes to deliniation since short pipe							
W43_3	Raingage_1	CB822	0.6964	54.752	154.756	0.25	0
;Added homes to deliniation since short pipe							
W43_4	Raingage_1	J546	0.338	54.752	112.667	0.25	0
W436	Raingage_1	CB173_174	0.446031	61.556	61.1	0.25	0
W440	Raingage_1	CB412_413_366	0.55	57.915	54.455	0.25	0
W441	Raingage_1	CB113_114	0.725834	56.527	95.504	0.25	0
W442	Raingage_1	CB112_312	0.482114	58.914	100.44	0.25	0
W443	Raingage_1	CB110_111	1.067075	54.251	166.73	0.25	0
W444	Raingage_1	CB109_309	0.790285	58.754	101.319	0.25	0
W445	Raingage_1	CB131_333	0.828211	42.487	159.271	0.25	0

W453	Raingage_1	CB169	0.665522	59.51	109.102	0.25	0
W455	Raingage_1	CB169	0.1369	70.425	41.485	0.25	0
W458_1	Raingage_1	J386	0.0209	90.673	8.038	0.25	0
W458_2	Raingage_1	J387	0.022	90.673	8.462	0.25	0
W459	Raingage_1	CB4211	0.0746	84.982	13.087	0.25	0
W46_1	Raingage_1	CB711_710	0.5623	55.619	124.956	0.25	0
W46_2	Raingage_1	CB709_708	0.6646	55.619	147.689	0.25	0
W460	Raingage_1	CB227	0.064252	85.274	7.061	0.25	0
W461	Raingage_1	CB188_187	0.253285	54.042	93.809	0.25	0
W462_1	Raingage_1	CB592_196	0.3895	59.849	62.823	0.25	0
W462_2	Raingage_1	CB189_228	0.3577	59.849	57.694	0.25	0
W469	Raingage_1	CB452_451	0.221326	39.471	158.09	0.25	0
W47_2	Raingage_1	J507	1.2398	54.517	120.369	0.25	0
W47_3	Raingage_1	J506	1.8042	54.517	142.063	0.25	0
W47_4	Raingage_1	CB669_713	0.448	54.517	81.455	0.25	0
W475	Raingage_1	CB201_202	0.142	67.582	15.778	0.25	0
W476	Raingage_1	CB181_222	0.952687	46.569	103.553	0.25	0
W477	Raingage_1	CB219_218	1.19204	48.901	138.609	0.25	0
W478	Raingage_1	CB639_640	0.447816	52.839	86.118	0.25	0
W479	Raingage_1	CB632_633	0.7555	43.671	119.921	0.25	0
W480	Raingage_1	CB634_269	0.60566	33.882	134.591	0.25	0
W481	Raingage_1	CB637_635	1.04379	27.917	176.914	0.25	0
;Confirm sewer direction with asbuilts							
W482	Raingage_1	CB636_270	1.807963	36.259	215.234	0.25	0
W483	Raingage_1	CB238_239	1.229802	42.068	56.935	0.25	0
W484	Raingage_1	CB757_824	1.052281	61.592	116.92	0.25	0
W489	Raingage_1	CB1599_1501	0.515202	56.705	105.143	0.25	0
W49	Raingage_1	CB779_845	1.658	56.449	169.184	0.25	0
W490	Raingage_1	CB1605_1505	0.545746	52.747	111.377	0.25	0
W495	Raingage_1	CB1471_1566	0.980212	52.299	155.589	0.25	0
W498_1	Raingage_1	CB1475_1570	0.512	53.017	93.091	0.25	0
W498_2	Raingage_1	CB1474_1569	0.3779	53.017	83.978	0.25	0
W5_2	Raingage_1	J557	1.196	48.223	161.622	0.25	0
W5_3	Raingage_1	CB1591_1494	0.2313	48.223	42.055	0.25	0
W5_4	Raingage_1	J559	0.4595	48.223	106.86	0.25	0
W502	Raingage_1	CB1576_1479	0.321598	60.575	37.835	0.25	0
W508	Raingage_1	CB1579_1483	0.977872	58.746	184.504	0.25	0
W509	Raingage_1	CB1421_1462	0.332627	52.215	53.65	0.25	0
W51	Raingage_1	J478	1.914633	52.6	85.475	0.25	0
W510	Raingage_1	CB1464_1463	0.606744	52.825	87.934	0.25	0
W513	Raingage_1	CB1391_1394	0.9256	63.973	96.417	0.25	0
W514	Raingage_1	CB1396_1437	0.43862	55.266	60.085	0.25	0
W516_1	Raingage_1	CB767_838	0.8191	55.537	146.268	0.25	0
W52	Raingage_1	CB537_538	0.775057	52.499	100.657	0.25	0
W522_2	Raingage_1	CB546_449	0.5218	47.53	86.967	0.25	0
W525	Raingage_1	CB543_445	0.607379	53.486	79.918	0.25	0
W526	Raingage_1	CB4285_4286	0.628324	58.293	81.601	0.25	0
W527	Raingage_1	CB4287_4288	0.82544	58.423	113.074	0.25	0
W528	Raingage_1	CB4281_4296	0.6753	56.519	110.705	0.25	0
W529	Raingage_1	CB8337_8336	0.2781	48.859	67.829	0.25	0
W53	Raingage_1	J476	1.553156	54.812	94.131	0.25	0
W531	Raingage_1	CB726_725	0.4833	52.261	83.328	0.25	0
W532	Raingage_1	CB1586_1489	0.483039	46.424	105.008	0.25	0
W533	Raingage_1	CB1418_1457	0.287597	49.456	57.519	0.25	0
W534	Raingage_1	CB666_1467	0.79687	61.623	162.627	0.25	0
W535_1	Raingage_1	CB668_806	0.4811	49.529	102.362	0.25	0
W535_2	Raingage_1	CB667_712	0.7074	49.529	150.511	0.25	0
;Park inside of delinieation							
W536	Raingage_1	CB558_707	0.700689	44.226	145.977	0.25	0
W537	Raingage_1	CB1459	0.117497	75.766	15.666	0.25	0
W54	Raingage_1	J477	1.142175	58.997	73.689	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_1	Raingage_1	J462	0.3286	28.953	12.736	0.25	0
;Lacasse Park LOOK BACK AT THIS							

W542_2	Raingage_1	J453	1.6705	7	64.748	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_3	Raingage_1	J452	0.583	28.953	22.597	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_4	Raingage_1	J461	0.4253	28.953	16.484	0.25	0
;Lacasse Park LOOK BACK AT THIS							
W542_6	Raingage_1	J455	0.4565	28.953	17.694	0.25	0
W543	Raingage_1	CB2831_3092	0.549727	48.821	77.426	0.25	0
;Two pipes running parallel							
W544	Raingage_1	CB3088_2827	0.240816	59.44	65.085	0.25	0
W546	Raingage_1	CB2830_3091	0.583362	42.521	129.636	0.25	0
W55_1	Raingage_1	J474	1.0736	50.626	202.566	0.25	0
W55_2	Raingage_1	J472	0.6114	50.626	101.9	0.25	0
W55_3	Raingage_1	J473	1.2485	50.626	107.629	0.25	0
W55_5	Raingage_1	J475	0.9539	50.626	86.718	0.25	0
W551	Raingage_1	CB3135_2867	0.319701	49.751	72.659	0.25	0
W552	Raingage_1	CB2869_3137	0.895388	41.812	111.923	0.25	0
W553	Raingage_1	CB2858_3126	0.168434	61.018	35.837	0.25	0
;Look at MH Connection							
W554	Raingage_1	CB2839_3101	0.556154	46.62	92.692	0.25	0
W555	Raingage_1	CB2840_3105	0.570563	47.82	142.641	0.25	0
W556	Raingage_1	CB3109_2842	0.555574	49.039	126.267	0.25	0
W558	Raingage_1	CB1432	0.840384	56.629	80.806	0.25	0
W559	Raingage_1	CB1426_1427	0.586726	60.078	143.104	0.25	0
W56	Raingage_1	CB251_295	1.708441	51.649	147.279	0.25	0
W560_1	Raingage_1	J517	0.3167	49.515	59.755	0.25	0
W560_2	Raingage_1	J518	1.336	49.515	193.623	0.25	0
W560_3	Raingage_1	J519	0.6517	49.515	144.822	0.25	0
W560_5	Raingage_1	CB858_855	0.617	49.515	112.182	0.25	0
W561_1	Raingage_1	J520	0.667	52.515	148.222	0.25	0
W561_2	Raingage_1	J521	0.403	52.515	89.556	0.25	0
W562	Raingage_1	J531	0.2856	47.404	59.5	0.25	0
W565	Raingage_1	J451	0.8778	46.312	146.3	0.25	0
W567	Raingage_1	J401	0.168119	65.459	15.284	0.25	0
W569	Raingage_1	CB267_630	0.5847	47	102.579	0.25	0
;Added homes to deliniation since short pipe							
W57_1	Raingage_1	CB250_292	0.9542	59.618	56.797	0.25	0
;Added homes to deliniation since short pipe							
W57_2	Raingage_1	J469	0.8981	59.618	118.171	0.25	0
W573	Raingage_1	J362	0.6583	46.109	67.866	0.25	0
W575	Raingage_1	CB2769_2715	0.58583	57.879	130.184	0.25	0
W58_1	Raingage_1	J467	1.2412	53.341	93.323	0.25	0
W58_2	Raingage_1	J468	0.4555	53.341	91.1	0.25	0
W582_1	Raingage_1	CB2802_2741	0.1124	42.699	19.379	0.25	0
W583	Raingage_1	CB2757_2908	0.811769	50.099	162.354	0.25	0
W585	Raingage_1	CB1250	0.023596	63.524	16.854	0.25	0
W586	Raingage_1	CB1626_1519	0.569267	54.042	123.754	0.25	0
W587	Raingage_1	CB1539_1651	0.898665	48.294	132.157	0.25	0
W589	Raingage_1	CB1251	0.161975	43.298	36.812	0.25	0
W59_1	Raingage_1	Meander_J2136	1.0427	49.509	121.244	0.25	0
W59_2	Raingage_1	Meander_CB286_244	0.6672	49.509	133.44	0.25	0
W590	Raingage_1	CB4369_4370	0.782498	49.976	96.605	0.25	0
W591	Raingage_1	CB1014	0.265648	56.435	66.412	0.25	0
W594	Raingage_1	CB1250	0.1407	86.186	37.026	0.25	0
W596	Raingage_1	CB941_155	0.403027	35.865	111.952	0.25	0
W598	Raingage_1	CB3075_2817	0.980104	47.19	155.572	0.25	0
W599	Raingage_1	CB3078_2820	1.013986	57.563	138.902	0.25	0
W6	Raingage_1	CB1589_1492	0.864791	50.688	172.958	0.25	0
W600	Raingage_1	CB3095_2836	0.751655	47.205	170.831	0.25	0
W601	Raingage_1	CB3109_2842	0.454091	48.692	81.088	0.25	0
W602	Raingage_1	CB2839_3101	0.911042	31.436	96.919	0.25	0
;Ignored MH ruuning in the middle fot he pipe							
W603	Raingage_1	CB2906_2752	0.549899	43.566	152.75	0.25	0
W604_1	Raingage_1	CB2992_2926	0.6739	37.147	84.238	0.25	0

W604_2	Raingage_1	J171	0.6483	37.147	81.038	0.25	0
W605	Raingage_1	J172	1.158063	35.792	107.228	0.25	0
;Yellow Pipes REMOVED							
W607	Raingage_1	CB9595	1.3651	32.867	179.618	0.25	0
;Yellow Pipes REMOVED							
W608	Raingage_1	CB9589	0.301122	65.451	47.797	0.25	0
W61_1	Raingage_1	J390	0.2596	54.636	81.125	0.25	0
W61_3	Raingage_1	J389	0.7803	54.636	94.012	0.25	0
W61_4	Raingage_1	CB608_213	0.9431	54.636	136.681	0.25	0
W610_2	Raingage_1	J324	0.9598	60.551	111.605	0.25	0
W610_3	Raingage_1	J326	1.1794	60.551	132.517	0.25	0
W610_4	Raingage_1	J327	0.3189	60.551	70.867	0.25	0
;ASSUMED							
W612_1	Raingage_1	J369	1.0925	55.098	98.423	0.25	0
;ASSUMED							
W612_2	Raingage_1	J623	0.1316	80	21.933	0.25	0
W613_3	Raingage_1	J621	0.0777	80	25.9	0.25	0
W613_4	Raingage_1	J620	0.0761	80	25.367	0.25	0
W618	Raingage_1	J564	0.1082	49.42	30.914	0.25	0
W619	Raingage_1	CB9962	1.7302	39.282	119.324	0.25	0
W62_1	Raingage_1	J392	0.2474	60.788	61.85	0.25	0
W62_3	Raingage_1	J391	0.4646	60.788	89.346	0.25	0
W62_4	Raingage_1	CB275_644	1.0346	60.788	137.947	0.25	0
W620	Raingage_1	CB9959_9960	0.362043	49.2	82.282	0.25	0
W621	Raingage_1	CB1679_1842	2.450734	33.849	118.393	0.25	0
W622	Raingage_1	CB9605_9604	1.664197	29.467	134.209	0.25	0
W623	Raingage_1	CB9599	0.966072	37.651	178.902	0.25	0
W625	Raingage_1	J572	0.472411	48.938	109.863	0.25	0
;Confrim outlet with LiDar							
W626	Raingage_1	DICB_1	1.476325	0.241	85.833	0.25	0
W628	Raingage_1	CB1556_990	0.10909	56.974	60.606	0.25	0
W629	Raingage_1	CB1557	0.636328	55.413	155.202	0.25	0
W63_1	Raingage_1	J493	0.1059	75	42.36	0.25	0
W63_2	Raingage_1	J496	0.3926	53.607	87.244	0.25	0
W63_5	Raingage_1	J494	0.6934	53.607	115.567	0.25	0
W63_6	Raingage_1	J74	0.6932	53.607	106.646	0.25	0
W631	Raingage_1	CB4373	0.711334	52.054	118.556	0.25	0
;?							
W634	Raingage_1	CB2996_2935	1.7891	41.548	205.644	0.25	0
;Commercial, Outlet via 200mm dia. (confirm swm)							
W635	Raingage_1	CB_COMM3	0.375893	96.165	50.119	0.25	0
;Commercial, Outlet via 200mm dia. (confirm swm)							
W636_1	Raingage_1	CB_COMM1	1.0782	95.409	89.85	0.25	0
;Commercial, Outlet via 200mm dia. (confirm swm)							
W636_2	Raingage_1	CB_COMM2	0.8482	95.409	70.683	0.25	0
W638	Raingage_1	J307	0.784484	59.44	62.261	0.25	0
W639_2	Raingage_1	J312	0.36	74.14	44.444	0.25	0
W639_3	Raingage_1	CB1738_1039	0.0978	48.726	8.083	0.25	0
W639_4	Raingage_1	J311	0.4856	22.24	40.133	0.25	0
;Ignored 600 pipe							
W64_1	Raingage_1	J394	0.2543	55.19	84.767	0.25	0
;Ignored 600 pipe							
W64_2	Raingage_1	CB629_4226	0.3155	55.19	90.143	0.25	0
;Ignored 600 pipe							
W64_3	Raingage_1	J395	0.2442	55.19	97.68	0.25	0
;Ignored 600 pipe							
W64_5	Raingage_1	J396	0.4393	55.19	69.73	0.25	0
;Manning							
W642	Raingage_1	STM5678	3.043853	11.399	131.201	0.25	0
;ETLD							
W643	Raingage_1	STM5691	7.72753	1.31	177.644	0.25	0
;ETLD							
W644	Raingage_1	STM5689	6.009627	1.015	127.323	0.25	0
;ETLD							

W645	Raingage_1	STM5686	9.874867	1.47	180.858	0.25	0
;ETLD							
W646	Raingage_1	STM3151	1.6696	17.686	160.538	0.25	0
;TO CYR DRAIN							
W647	Raingage_1	CYR_4	4.6279	50.034	462.79	0.25	0
;TO ETLD							
W648	Raingage_1	J241	1.425806	71.345	150.085	0.25	0
W649_1	Raingage_1	CB1446_1406	0.6845	42.595	122.232	0.25	0
W649_2	Raingage_1	CB1405_4238	0.6508	42.595	116.214	0.25	0
W65_1	Raingage_1	CB551_552	1.1139	56.497	141	0.25	0
W65_2	Raingage_1	J499	0.9682	56.497	161.367	0.25	0
W65_3	Raingage_1	J500	0.5615	56.497	93.583	0.25	0
W65_5	Raingage_1	J497	0.6682	56.497	111.367	0.25	0
W650_11	Raingage_1	J498	0.1221	100	22.611	0.25	0
W650_3	Raingage_1	J490	0.4876	42.293	81.267	0.25	0
W651_1	Raingage_1	J449	0.6408	51.251	114.429	0.25	0
W651_2	Raingage_1	J447	1.7304	51.251	161.72	0.25	0
W652	Raingage_1	J450	0.459952	44.42	55.416	0.25	0
;to ETLD							
W653	Raingage_1	STM3147	3.827094	1.747	126.725	0.25	0
;Manning							
W654	Raingage_1	CULV6	2.268734	65.623	226.873	0.25	0
;Antaya Drain							
W655	Raingage_1	STM5694	3.465073	6.034	89.769	0.25	0
;Antaya Drain							
W656	Raingage_1	ANT-1	0.753807	0.832	75.381	0.25	0
;To Baillargeon Drain							
W657	Raingage_1	BD-0	12.1102	0.366	1213.97	0.25	0
;TO CYR DRAIN							
W658	Raingage_1	CYR_2	16.62466	0.159	1662.466	0.25	0
W662	Raingage_1	CB1286_1285	0.1507	95.058	37.675	0.25	0
W662_1	Raingage_1	CB1282_1281	0.1042	95.058	26.05	0.25	0
W662_3	Raingage_1	CB1283_1284	0.1098	95.058	27.45	0.25	0
W668_1	Raingage_1	J440	0.1804	89.742	31.649	0.25	0
W668_2	Raingage_1	J441	0.1955	97	34.298	0.25	0
;Delineated to the closest MH							
W669	Raingage_1	J414	0.258867	89.263	55.078	0.25	0
;Field beside Bonduelle							
W67	Raingage_1	J504	4.199084	5.79	91.683	0.25	0
;TO CYR							
W670	Raingage_1	CYR_6	1.635496	38.543	99.121	0.25	0
W672	Raingage_1	CB1159	0.0828	100	17.249	0.25	0
W673	Raingage_1	J310	1.553958	3.965	128.426	0.25	0
;Bonduelle - To confirm DA with Town							
W68	Raingage_1	J505	4.193	24.886	117.998	0.1	0
;Bonduelle - To confirm DA with Town							
W68_1	Raingage_1	J384	4.3048	77.2	125.504	0.1	0
;Bonduelle - To confirm DA with Town							
W68_2	Raingage_1	J385	1.5702	31.8	44.863	0.1	0
;Bonduelle - To confirm DA with Town							
W68_3	Raingage_1	J44	1.5817	8.4	81.531	0.1	0
;Bonduelle - To confirm DA with Town							
W68_7	Raingage_1	J383	3.627	79.13	100.75	0.1	0
;Ignored 525 pipe							
W69_1	Raingage_1	J73	0.8296	63.338	162.667	0.25	0
;Ignored 525 pipe							
W69_2	Raingage_1	J503	0.7194	63.338	153.064	0.25	0
;Lacasse Park							
W73	Raingage_1	J460	1.0112	5	44.351	0.25	0
;Lacasse Park							
W73_1	Raingage_1	J459	2.1965	10.719	183.042	0.25	0
;Lacasse Park							
W73_2	Raingage_1	J454	1.5593	10.719	129.942	0.25	0
;Lacasse Park							

W73_3	Raingage_1	J456	0.3385	10.719	10.165	0.25	0
;Lacasse Park							
W73_4	Raingage_1	J458	1.5051	10.719	125.425	0.25	0
;St Pius Catholic School, potential survey							
W74_1	Raingage_1	J492	2.1207	72	142.329	0.25	0
;St Pius Catholic School, potential survey							
W74_2	Raingage_1	J462	2.0455	10	130.287	0.25	0
;AV Graham Public School							
W75_2	Raingage_1	J502	1.2962	68	101.266	0.25	0
;AV Graham Public School							
W75_3	Raingage_1	J613	0.103	92	15.846	0.25	0
;AV Graham Public School							
W75_4	Raingage_1	J501	4.1423	10	263.841	0.25	0
W8_2	Raingage_1	J550	0.7557	53.369	137.4	0.25	0
W80_1	Raingage_1	J400	0.5224	45.672	88.542	0.25	0
W80_2	Raingage_1	J406	0.869	45.672	86.04	0.25	0
W80_3	Raingage_1	J399	0.1717	45.672	57.233	0.25	0
W80_5	Raingage_1	J398	0.4206	45.672	131.438	0.25	0
W81	Raingage_1	CB718_719	1.351759	50.427	135.176	0.25	0
W82	Raingage_1	CB723_724	1.152381	53.006	164.626	0.25	0
W85	Raingage_1	CB758_825	0.133946	69.247	23.094	0.25	0
W88	Raingage_1	CB180_221	1.45337	35.046	238.257	0.25	0
W89	Raingage_1	CB271_638	0.530745	58.177	87.007	0.25	0
W9_1	Raingage_1	CB1575_1574	1.8199	50.796	162.491	0.25	0
W9_2	Raingage_1	J549	1.1171	50.796	186.183	0.25	0
W90	Raingage_1	CB741_738	1.239305	27.699	165.241	0.25	0
;Confirm sewer direction with asbuilts							
W91	Raingage_1	CB191_237	2.360903	48.347	284.446	0.25	0
;Confirm sewer direction with asbuilts							
W92	Raingage_1	J397	2.2779	50.368	120.524	0.25	0
W94	Raingage_1	CB4292_4291	0.4282	54.72	87.388	0.25	0
W95	Raingage_1	CB854_853	0.695992	58.628	173.998	0.25	0
W96	Raingage_1	CB115_317	0.815131	57.333	113.213	0.25	0
W97	Raingage_1	CB116_318	0.457413	55.341	70.371	0.25	0
WPR4_1	Raingage_1	CB1587_1490	0.0697	55.217	23.233	0.25	0
WPR4_2	Raingage_1	J558	1.5061	55.217	167.344	0.25	0

[SUBAREAS]

;;Subcatchment	N-Imperv	N-Perv	S-Imperv	S-Perv	PctZero	RouteTo	PctRouted
;;-----	-----	-----	-----	-----	-----	-----	-----
BG_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
BG_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_S116_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_S116_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W182_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W182_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W182_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W632_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W632_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W632_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W633_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W650_10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W650_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W659_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W659_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W659_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W659_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W660_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W661_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Coro_W661_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E100	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E101	0.014	0.35	1.57	4.67	25	PERVIOUS	20

E82	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E83	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E84	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E85	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E86	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E87	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E88	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E89	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E9	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E93	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E94	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E95	0.014	0.35	1.57	4.67	25	PERVIOUS	20
E950	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Lacasse_Coro_W650_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Lacasse_W650_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Lacasse_W650_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Lacasse_W650_7	0.014	0.35	1.57	4.67	25	PERVIOUS	20
Lacasse_W650_8	0.014	0.35	1.57	4.67	25	PERVIOUS	20
M_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S1	0.013	0.35	1.57	4.67	25	OUTLET	
S1_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S1_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S1_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S10	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S10_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S10_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S10_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S10_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S100	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S101	0.014	0.35	1.57	4.67	25	OUTLET	
S102	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S102_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S102_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103	0.013	0.35	1.57	4.67	25	OUTLET	
S103_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S103_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S104	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S105	0.013	0.35	1.57	4.67	25	PERVIOUS	100
S106	0.013	0.35	1.57	4.67	25	OUTLET	
S107	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S109	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S11_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S110	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S111	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S112	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S113	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S114	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S115	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S13	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S14	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S14_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S14_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S15	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S16	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S17	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S18	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S19	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S2	0.014	0.35	1.57	4.67	25	OUTLET	
S2_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20

S94	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S95	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S96	0.014	0.35	1.57	4.67	25	PERVIOUS	100
S97	0.014	0.35	1.57	4.67	25	OUTLET	
S98	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S99	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S99_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S99_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
S99_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W1_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W1_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W1_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W101	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W102	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W103	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W104_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W104_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W107	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W108_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W108_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W11_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W11_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W116_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W116_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W12	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W121_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W121_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W124	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W125	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W126	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W127	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W129	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W13	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W130	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W131_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W131_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W132	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W133	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W138	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W139	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W14	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W140	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W143	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W144	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W145_1	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W145_2	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W146	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W147_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W147_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W148_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W148_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W149_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W149_4	0.014	0.35	1.57	4.67	25	PERVIOUS	60
W149_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W15	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W150_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W152_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W153_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W154_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W154_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W154_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W157	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W16	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W167_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20

W55_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W551	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W552	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W553	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W554	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W555	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W556	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W558	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W559	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W56	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W560_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W560_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W560_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W560_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W561_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W561_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W562	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W565	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W567	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W569	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W57_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W57_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W573	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W575	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W58_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W58_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W582_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W583	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W585	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W586	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W587	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W589	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W59_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W59_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W590	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W591	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W594	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W596	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W598	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W599	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W600	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W601	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W602	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W603	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W604_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W604_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W605	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W607	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W608	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W61_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W61_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W61_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W610_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W610_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W610_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W612_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W612_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W613_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W613_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W618	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W619	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W62_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W62_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20

W62_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W620	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W621	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W622	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W623	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W625	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W626	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W628	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W629	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W63_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W63_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W63_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W63_6	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W631	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W634	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W635	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W636_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W636_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W638	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W639_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W639_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W639_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W64_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W64_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W64_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W64_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W642	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W643	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W644	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W645	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W646	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W647	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W648	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W649_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W649_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W65_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W65_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W65_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W65_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_11	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W650_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W651_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W651_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W652	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W653	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W654	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W655	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W656	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W657	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W658	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W662	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W662_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W662_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W668_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W668_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W669	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W67	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W670	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W672	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W673	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W68	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W68_1	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W68_2	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W68_3	0.014	0.35	1.57	4.67	25	PERVIOUS	100

W68_7	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W69_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W69_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W73	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W73_1	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W73_2	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W73_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W73_4	0.014	0.35	1.57	4.67	25	PERVIOUS	100
W74_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W74_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W75_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W75_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W75_4	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W8_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W80_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W80_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W80_3	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W80_5	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W81	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W82	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W85	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W88	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W89	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W9_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W9_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W90	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W91	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W92	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W94	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W95	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W96	0.014	0.35	1.57	4.67	25	PERVIOUS	20
W97	0.014	0.35	1.57	4.67	25	PERVIOUS	20
WPR4_1	0.014	0.35	1.57	4.67	25	PERVIOUS	20
WPR4_2	0.014	0.35	1.57	4.67	25	PERVIOUS	20

[INFILTRATION]

;;Subcatchment	CurveNum	HydCon	DryTime
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BG_1	85	0.5	7
BG_2	85	0.5	7
Coro_S116_1	85	0.5	7
Coro_S116_2	85	0.5	7
Coro_W182_2	85	0.5	7
Coro_W182_3	85	0.5	7
Coro_W182_4	85	0.5	7
Coro_W632_2	85	0.5	7
Coro_W632_3	85	0.5	7
Coro_W632_4	85	0.5	7
Coro_W633_2	85	0.5	7
Coro_W650_10	85	0.5	7
Coro_W650_5	85	0.5	7
Coro_W659_1	85	0.5	7
Coro_W659_2	85	0.5	7
Coro_W659_3	85	0.5	7
Coro_W659_5	85	0.5	7
Coro_W660_1	85	0.5	7
Coro_W661_1	85	0.5	7
Coro_W661_2	85	0.5	7
E1	85	0.5	7
E10	85	0.5	7
E100	85	0.5	7
E101	85	0.5	7
E102_1	85	0.5	7
E102_2	85	0.5	7

E102_3	85	0.5	7
E102_5	85	0.5	7
E102_6	85	0.5	7
E102_7	85	0.5	7
E102_8	85	0.5	7
E103_2	85	0.5	7
E103_3	85	0.5	7
E103_4	85	0.5	7
E104	85	0.5	7
E105	85	0.5	7
E106	85	0.5	7
E107	85	0.5	7
E108	85	0.5	7
E109_1	85	0.5	7
E109_2	85	0.5	7
E11	85	0.5	7
E110_1	85	0.5	7
E110_2	85	0.5	7
E112_3	85	0.5	7
E114	85	0.5	7
E118	85	0.5	7
E119	85	0.5	7
E12	85	0.5	7
E120	85	0.5	7
E122	85	0.5	7
E123_1	85	0.5	7
E123_2	85	0.5	7
E124	85	0.5	7
E126_1	85	0.5	7
E127_1	85	0.5	7
E127_2	85	0.5	7
E129_1	85	0.5	7
E129_2	85	0.5	7
E13	85	0.5	7
E130	85	0.5	7
E131_1	85	0.5	7
E131_2	85	0.5	7
E131_3	85	0.5	7
E131_5	85	0.5	7
E132	85	0.5	7
E14	85	0.5	7
E141_2	85	0.5	4
E146	85	0.5	7
E147	85	0.5	7
E148	85	0.5	7
E149_1	85	0.5	7
E149_2	85	0.5	7
E15	85	0.5	7
E150_1	85	0.5	7
E150_2	85	0.5	7
E150_4	85	0.5	7
E150_5	85	0.5	7
E151	85	0.5	7
E152	85	0.5	7
E154	85	0.5	7
E157	85	0.5	7
E158	85	0.5	7
E159_1	85	0.5	7
E16	85	0.5	7
E160_2	85	0.5	7
E160_3	85	0.5	7
E160_4	85	0.5	7
E161	85	0.5	7
E162	85	0.5	7

E163	85	0.5	7
E164	85	0.5	7
E165_1	85	0.5	4
E167	85	0.5	7
E168	85	0.5	7
E169	85	0.5	7
E17	85	0.5	7
E170_1	85	0.5	7
E170_10	85	0.5	7
E170_2	85	0.5	7
E170_4	85	0.5	7
E170_5	85	0.5	7
E170_6	85	0.5	7
E170_7	85	0.5	7
E170_8	85	0.5	7
E170_9	85	0.5	7
E171_1	85	0.5	7
E171_2	85	0.5	7
E171_3	85	0.5	7
E171_4	85	0.5	7
E171_6	85	0.5	7
E172_2	85	0.5	7
E172_3	85	0.5	7
E172_4	85	0.5	7
E173_2	85	0.5	7
E173_3	85	0.5	7
E173_4	85	0.5	7
E174	85	0.5	7
E175_1	85	0.5	7
E175_2	85	0.5	7
E176_1	85	0.5	7
E176_3	85	0.5	7
E176_4	85	0.5	7
E176_5	85	0.5	7
E177_1	85	0.5	7
E177_2	85	0.5	7
E18	85	0.5	7
E181_2	85	0.5	7
E182	85	0.5	7
E183	85	0.5	7
E183_3	85	0.5	7
E183_4	85	0.5	7
E183_5	85	0.5	7
E183_7	85	0.5	7
E183_8	85	0.5	7
E184	85	0.5	7
E186	85	0.5	7
E189	85	0.5	7
E19	85	0.5	7
E191	85	0.5	7
E193_1	85	0.5	7
E195	85	0.5	7
E197	85	0.5	7
E199	85	0.5	7
E2_1	85	0.5	7
E2_2	85	0.5	7
E2_4	85	0.5	7
E2_5	85	0.5	7
E20	85	0.5	7
E200_1	85	0.5	7
E201	85	0.5	7
E202	85	0.5	7
E203	85	0.5	7
E205	85	0.5	7

E206	85	0.5	7
E21	85	0.5	7
E211	85	0.5	7
E212_1	85	0.5	7
E212_2	85	0.5	7
E213	85	0.5	7
E214	85	0.5	7
E215	85	0.5	7
E216	85	0.5	7
E217_1	85	0.5	7
E217_2	85	0.5	7
E217_3	85	0.5	7
E217_4	85	0.5	7
E217_6	85	0.5	7
E217_7	85	0.5	7
E218	85	0.5	7
E219	85	0.5	7
E22	85	0.5	7
E220	85	0.5	7
E221	85	0.5	7
E222	85	0.5	7
E223	85	0.5	7
E224	85	0.5	7
E225	85	0.5	7
E226	85	0.5	7
E227	85	0.5	7
E228_1	85	0.5	7
E228_2	85	0.5	7
E23	85	0.5	7
E235	85	0.5	7
E236	85	0.5	7
E237	85	0.5	7
E238	85	0.5	7
E24	85	0.5	7
E240	85	0.5	7
E242	85	0.5	7
E243	85	0.5	7
E244	85	0.5	7
E245	85	0.5	7
E246	85	0.5	7
E249	85	0.5	7
E25	85	0.5	7
E250	85	0.5	7
E251_1	85	0.5	7
E251_2	85	0.5	7
E252	85	0.5	7
E253	85	0.5	7
E254	85	0.5	7
E255	85	0.5	7
E256	85	0.5	7
E257	85	0.5	7
E258	85	0.5	7
E259_1	85	0.5	7
E259_2	85	0.5	7
E26	85	0.5	7
E260_1	85	0.5	7
E260_2	85	0.5	7
E260_4	85	0.5	7
E260_5	85	0.5	7
E27	85	0.5	7
E3_1	85	0.5	7
E3_2	85	0.5	7
E31	85	0.5	7
E32	85	0.5	7

E33	85	0.5	7
E34	85	0.5	7
E35	85	0.5	7
E36	85	0.5	7
E37	85	0.5	7
E38	85	0.5	7
E39	85	0.5	7
E4	85	0.5	7
E40	85	0.5	7
E41	85	0.5	7
E42	85	0.5	7
E43	85	0.5	7
E44	85	0.5	7
E45	85	0.5	7
E47_1	85	0.5	7
E47_3	85	0.5	7
E48	85	0.5	7
E49	85	0.5	7
E50_1	85	0.5	7
E50_2	85	0.5	7
E52	85	0.5	7
E53_1	85	0.5	7
E53_2	85	0.5	7
E54	85	0.5	7
E55	85	0.5	7
E56	85	0.5	7
E56.1	3	0.5	4
E57	85	0.5	7
E58	85	0.5	7
E59	85	0.5	7
E60	85	0.5	7
E61	85	0.5	7
E62	85	0.5	7
E63	85	0.5	7
E64	85	0.5	7
E64_1	85	0.5	7
E64_2	85	0.5	7
E64_3	85	0.5	7
E64_4	85	0.5	7
E64_5	85	0.5	7
E64_7	85	0.5	7
E64_8	85	0.5	7
E65	85	0.5	7
E66_1	85	0.5	7
E66_2	85	0.5	7
E67	85	0.5	7
E68	85	0.5	7
E69	85	0.5	7
E7	85	0.5	7
E70	85	0.5	7
E71	85	0.5	7
E72	85	0.5	7
E73	85	0.5	7
E74	85	0.5	7
E75	85	0.5	7
E76	85	0.5	7
E77	85	0.5	7
E78	85	0.5	7
E79	85	0.5	7
E8	85	0.5	7
E80	85	0.5	7
E81	85	0.5	7
E82	85	0.5	7
E83	85	0.5	7

E84	85	0.5	7
E85	85	0.5	7
E86	85	0.5	7
E87	85	0.5	7
E88	85	0.5	7
E89	85	0.5	7
E9	85	0.5	7
E93	85	0.5	7
E94	85	0.5	7
E95	85	0.5	7
E950	85	0.5	7
Lacasse_Coro_W650_4	85	0.5	7
Lacasse_W650_2	85	0.5	7
Lacasse_W650_6	85	0.5	7
Lacasse_W650_7	85	0.5	7
Lacasse_W650_8	85	0.5	7
M_1	85	0.5	7
S1	89	12.7	0.25
S1_1	85	0.5	4
S1_3	80	0.5	7
S1_4	80	0.5	7
S10	85	0.5	6.229
S10_2	85	0.5	4.882
S10_4	85	0.5	4.882
S10_5	85	0.5	4.882
S10_6	85	0.5	4.882
S100	85	0.5	7
S101	85	0.5	7
S102	85	0.5	7
S102_1	85	0.5	7
S102_2	85	0.5	7
S103	85	0.5	7
S103_1	85	0.5	7
S103_2	85	0.5	7
S103_3	85	0.5	7
S103_4	85	0.5	7
S103_6	85	0.5	7
S104	85	0.5	7
S105	85	0.5	7
S106	85	0.5	7
S107	85	0.5	7
S109	85	0.5	7
S11	85	0.5	7
S11_2	85	0.5	7
S110	85	0.5	7
S111	85	0.5	7
S112	85	0.5	7
S113	85	0.5	7
S114	85	0.5	7
S115	85	0.5	7
S12	85	0.5	5.598
S13	85	0.5	7
S14	85	0.5	7
S14_1	85	0.5	6.354
S14_2	85	0.5	6.354
S15	85	0.5	7
S16	85	0.5	7
S17	85	0.5	7
S18	85	0.5	7
S19	85	0.5	7
S2	85	12.7	5.059
S2_1	85	0.5	6.388
S2_2	85	0.5	6.388
S20	85	0.5	7

S21	85	0.5	7
S21_1	85	0.5	7
S21_2	85	0.5	7
S21_4	85	0.5	7
S21_5	85	0.5	7
S21_6	85	0.5	7
S22	85	0.5	7
S23	85	0.5	7
S24	85	0.5	7
S25	85	0.5	7
S26	85	0.5	7
S26_1	85	0.5	7
S26_4	85	0.5	7
S26_5	85	0.5	7
S27	85	0.5	7
S28	85	0.5	7
S28_1	85	0.5	7
S28_2	85	0.5	7
S28_3	85	0.5	7
S29	85	0.5	7
S3	85	0.5	7
S3_1	85	0.5	5.059
S3_10	85	0.5	7
S3_2	85	0.5	5.059
S3_3	85	0.5	5.059
S3_4	85	0.5	5.059
S3_5	85	0.5	5.059
S3_6	85	0.5	5.059
S3_8	85	0.5	7
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W377_5	85	0.5	7
W377_6	85	0.5	7
W378	85	0.5	7
W379	85	0.5	7
W380	85	0.5	7
W382	85	0.5	7
W383	85	0.5	7
W384	85	0.5	7
W385	85	0.5	7
W386	85	0.5	7
W387	85	0.5	7
W393	85	0.5	7
W394	80	0.5	7
W395	80	0.5	7
W399	85	0.5	7
W402	85	0.5	7
W403	85	0.5	7
W406	85	0.5	7
W406_1	85	0.5	7
W406_2	85	0.5	7
W406_3	85	0.5	7
W406_7	85	0.5	7
W406_8	85	0.5	7
W407_2	85	0.5	7
W407_3	85	0.5	7
W407_4	85	0.5	7
W408_1	85	0.5	7
W408_2	85	0.5	7
W409_1	85	0.5	7
W409_2	85	0.5	7
W409_3	85	0.5	7
W409_5	85	0.5	7
W410	85	0.5	7
W411	85	0.5	7
W412_1	85	0.5	7
W412_2	85	0.5	7
W413	85	0.5	7
W414	85	0.5	7
W415	85	0.5	7
W417	85	0.5	7
W42	85	0.5	7
W428	85	0.5	7
W43_1	85	0.5	7
W43_2	85	0.5	7
W43_3	85	0.5	7
W43_4	85	0.5	7
W436	85	0.5	7
W440	85	0.5	7
W441	85	0.5	7
W442	85	0.5	7
W443	85	0.5	7
W444	85	0.5	7
W445	85	0.5	7
W453	85	0.5	7
W455	85	0.5	7
W458_1	85	0.5	7
W458_2	85	0.5	7
W459	85	0.5	7
W46_1	85	0.5	7
W46_2	85	0.5	7
W460	85	0.5	7

W461	85	0.5	7
W462_1	85	0.5	7
W462_2	85	0.5	7
W469	80	0.5	7
W47_2	85	0.5	7
W47_3	85	0.5	7
W47_4	85	0.5	7
W475	85	0.5	7
W476	85	0.5	7
W477	85	0.5	7
W478	85	0.5	7
W479	85	0.5	7
W480	85	0.5	7
W481	85	0.5	7
W482	85	0.5	7
W483	85	0.5	7
W484	85	0.5	7
W489	85	0.5	7
W49	85	0.5	7
W490	85	0.5	7
W495	85	0.5	7
W498_1	85	0.5	7
W498_2	85	0.5	7
W5_2	85	0.5	7
W5_3	85	0.5	7
W5_4	85	0.5	7
W502	85	0.5	7
W508	85	0.5	7
W509	85	0.5	7
W51	85	0.5	7
W510	85	0.5	7
W513	85	0.5	7
W514	85	0.5	7
W516_1	85	0.5	7
W52	85	0.5	7
W522_2	85	0.5	7
W525	85	0.5	7
W526	85	0.5	7
W527	85	0.5	7
W528	85	0.5	7
W529	85	0.5	7
W53	85	0.5	7
W531	85	0.5	7
W532	85	0.5	7
W533	85	0.5	7
W534	85	0.5	7
W535_1	85	0.5	7
W535_2	85	0.5	7
W536	85	0.5	7
W537	85	0.5	7
W54	85	0.5	7
W542_1	85	0.5	7
W542_2	85	0.5	7
W542_3	85	0.5	7
W542_4	85	0.5	7
W542_6	85	0.5	7
W543	85	0.5	7
W544	85	0.5	7
W546	85	0.5	7
W55_1	85	0.5	7
W55_2	85	0.5	7
W55_3	85	0.5	7
W55_5	85	0.5	7
W551	85	0.5	7

W552	85	0.5	7
W553	85	0.5	7
W554	85	0.5	7
W555	85	0.5	7
W556	85	0.5	7
W558	85	0.5	7
W559	85	0.5	7
W56	85	0.5	7
W560_1	85	0.5	7
W560_2	85	0.5	7
W560_3	85	0.5	7
W560_5	85	0.5	7
W561_1	85	0.5	7
W561_2	85	0.5	7
W562	85	0.5	7
W565	85	0.5	7
W567	85	0.5	7
W569	85	0.5	7
W57_1	85	0.5	7
W57_2	85	0.5	7
W573	85	0.5	7
W575	85	0.5	7
W58_1	85	0.5	7
W58_2	85	0.5	7
W582_1	85	0.5	7
W583	85	0.5	7
W585	85	0.5	7
W586	85	0.5	7
W587	85	0.5	7
W589	85	0.5	7
W59_1	80	0.5	7
W59_2	80	0.5	7
W590	85	0.5	7
W591	85	0.5	7
W594	85	0.5	7
W596	85	0.5	7
W598	85	0.5	7
W599	85	0.5	7
W6	85	0.5	7
W600	85	0.5	7
W601	85	0.5	7
W602	85	0.5	7
W603	85	0.5	7
W604_1	85	0.5	7
W604_2	85	0.5	7
W605	85	0.5	7
W607	85	0.5	7
W608	85	0.5	7
W61_1	85	0.5	7
W61_3	85	0.5	7
W61_4	85	0.5	7
W610_2	85	0.5	7
W610_3	85	0.5	7
W610_4	85	0.5	7
W612_1	85	0.5	7
W612_2	85	0.5	7
W613_3	85	0.5	7
W613_4	85	0.5	7
W618	85	0.5	7
W619	85	0.5	7
W62_1	85	0.5	7
W62_3	85	0.5	7
W62_4	85	0.5	7
W620	85	0.5	7

W621	85	0.5	7
W622	85	0.5	7
W623	85	0.5	7
W625	85	0.5	7
W626	85	0.5	7
W628	85	0.5	7
W629	85	0.5	7
W63_1	85	0.5	7
W63_2	85	0.5	7
W63_5	85	0.5	7
W63_6	85	0.5	7
W631	85	0.5	7
W634	85	0.5	7
W635	85	0.5	7
W636_1	85	0.5	7
W636_2	85	0.5	7
W638	85	0.5	7
W639_2	85	0.5	7
W639_3	85	0.5	7
W639_4	85	0.5	7
W64_1	80	0.5	7
W64_2	80	0.5	7
W64_3	80	0.5	7
W64_5	85	0.5	7
W642	85	0.5	7
W643	85	0.5	7
W644	85	0.5	7
W645	85	0.5	7
W646	85	0.5	7
W647	85	0.5	7
W648	85	0.5	7
W649_1	85	0.5	7
W649_2	85	0.5	7
W65_1	85	0.5	7
W65_2	85	0.5	7
W65_3	85	0.5	7
W65_5	85	0.5	7
W650_11	85	0.5	7
W650_3	85	0.5	7
W651_1	85	0.5	7
W651_2	85	0.5	7
W652	85	0.5	7
W653	85	0.5	7
W654	85	0.5	7
W655	85	0.5	7
W656	85	0.5	7
W657	85	0.5	7
W658	85	0.5	7
W662	85	0.5	7
W662_1	85	0.5	7
W662_3	85	0.5	7
W668_1	85	0.5	7
W668_2	85	0.5	7
W669	85	0.5	7
W67	85	0.5	7
W670	85	0.5	7
W672	85	0.5	7
W673	85	0.5	7
W68	85	0.5	7
W68_1	85	0.5	7
W68_2	85	0.5	7
W68_3	85	0.5	7
W68_7	85	0.5	7
W69_1	85	0.5	7

W69_2	85	0.5	7
W73	85	0.5	7
W73_1	85	0.5	7
W73_2	85	0.5	7
W73_3	85	0.5	7
W73_4	85	0.5	7
W74_1	85	0.5	7
W74_2	85	0.5	7
W75_2	85	0.5	7
W75_3	85	0.5	7
W75_4	85	0.5	7
W8_2	85	0.5	7
W80_1	85	0.5	7
W80_2	85	0.5	7
W80_3	85	0.5	7
W80_5	85	0.5	7
W81	85	0.5	7
W82	85	0.5	7
W85	85	0.5	7
W88	85	0.5	7
W89	85	0.5	7
W9_1	85	0.5	7
W9_2	85	0.5	7
W90	85	0.5	7
W91	85	0.5	7
W92	85	0.5	7
W94	85	0.5	7
W95	85	0.5	7
W96	85	0.5	7
W97	85	0.5	7
WPR4_1	85	0.5	7
WPR4_2	85	0.5	7

[JUNCTIONS]

;;	Invert	Max.	Init.	Surcharge	Ponded
;;Name	Elev.	Depth	Depth	Depth	Area
;-----					
;Outlet via culvet crossing to ETLD					
200Manning_STM	174.817	1.4	0	30	0
ANNE_NP1	182.446	1.104	0	20	0
ANNE_NP2	182.124	1.176	0	20	0
ANNE_ST1	181.814	1.726	0	20	0
ANNE_ST10	181.35	1.83	0	20	0
ANNE_ST11	181.63	1.59	0	20	0
ANNE_ST12	181.994	1.246	0	20	0
ANNE_ST12_1	181.75	1.45	0	30	0
ANNE_ST12_2	181.89	1.21	0	30	0
ANNE_ST13	181.778	1.372	0	20	0

.....

Too many junction entities (56802 in total).

[OUTFALLS]

;;	Invert	Outfall	Stage/Table	Tide
;;Name	Elev.	Type	Time Series	Gate Route To
;-----				
BRIGHTON_PS_OUTFALL	173.358	FIXED	176.39	NO
FUT_MH35	175.749	NORMAL		NO
J23402	176.251	NORMAL		NO
J35	176.36	NORMAL		NO
J50	176.36	FREE		NO
J53	176.36	FREE		NO
J55	170.231	NORMAL		NO
J59	170.688	NORMAL		NO
J62	174.07	NORMAL		NO

J699	171.3	NORMAL		NO
J700	171.3	NORMAL		NO
MEI_LIN_OUT	174.602	FIXED	176.39	NO
MH100	178.27	NORMAL		NO
OF1	174.08	NORMAL		NO
OF1.1	174.08	NORMAL		NO
OF10	182.769	NORMAL		NO
OF100	182.157	NORMAL		NO
OF1000	180.198	NORMAL		NO
OF1001	180.573	NORMAL		NO
OF1002	180.03	NORMAL		NO
OF1003	178.413	NORMAL		NO
OF1004	178.32	NORMAL		NO
OF1005	178.338	NORMAL		NO
OF1006	178.867	NORMAL		NO
OF1007	179.94	NORMAL		NO
OF1008	180.563	NORMAL		NO
OF1009	180.019	NORMAL		NO
OF101	182.173	NORMAL		NO
OF1010	178.346	NORMAL		NO
OF1011	178.215	NORMAL		NO
OF1012	178.286	NORMAL		NO
OF1013	178.29	NORMAL		NO
OF1014	178.91	NORMAL		NO
OF1015	179.892	NORMAL		NO
OF1016	180.442	NORMAL		NO
OF1017	180.067	NORMAL		NO
OF1018	179.353	NORMAL		NO
OF1019	178.297	NORMAL		NO
OF102	183.664	NORMAL		NO
OF1020	178.198	NORMAL		NO
OF1021	178.748	NORMAL		NO
OF1022	179.711	NORMAL		NO
OF1023	180.477	NORMAL		NO
OF1024	180.154	NORMAL		NO
OF1025	179.274	NORMAL		NO
OF1026	178.349	NORMAL		NO
OF1027	178.091	NORMAL		NO
OF1028	178.001	NORMAL		NO
OF1029	178.258	NORMAL		NO
OF103	182.164	NORMAL		NO
OF1030	178.246	NORMAL		NO
OF1031	178.314	NORMAL		NO
OF1032	178.195	NORMAL		NO
OF1033	178.123	NORMAL		NO
OF1034	177.95	NORMAL		NO
OF1035	178.072	NORMAL		NO
OF1036	178.183	NORMAL		NO
OF1037	178.106	NORMAL		NO
OF1038	178.072	NORMAL		NO
OF1039	178.104	NORMAL		NO
OF104	183.462	NORMAL		NO
OF1040	178.131	NORMAL		NO
OF1041	177.959	NORMAL		NO
OF1042	177.989	NORMAL		NO
OF1043	177.834	NORMAL		NO
OF1044	177.865	NORMAL		NO
OF1045	177.673	NORMAL		NO
OF1046	177.74	NORMAL		NO
OF1047	177.444	NORMAL		NO
OF1048	177.42	NORMAL		NO
OF1049	177.797	NORMAL		NO
OF105	183.388	NORMAL		NO
OF1050	176.914	NORMAL		NO

OF1051	177.364	NORMAL	NO
OF1052	176.681	NORMAL	NO
OF1053	176.825	NORMAL	NO
OF1054	175.719	NORMAL	NO
OF1055	178.57	NORMAL	NO
OF1056	177.288	NORMAL	NO
OF1057	177.539	NORMAL	NO
OF1058	176.988	NORMAL	NO
OF1059	177.73	NORMAL	NO
OF106	182.188	NORMAL	NO
OF1060	177.211	NORMAL	NO
OF1061	177.258	NORMAL	NO
OF1062	177.608	NORMAL	NO
OF1063	177.1	NORMAL	NO
OF1064	177.274	NORMAL	NO
OF1065	177.273	NORMAL	NO
OF1066	177.363	NORMAL	NO
OF1067	177.032	NORMAL	NO
OF1068	177.435	NORMAL	NO
OF1069	177.286	NORMAL	NO
OF107	182.089	NORMAL	NO
OF1070	176.289	NORMAL	NO
OF1071	176.769	NORMAL	NO
OF1072	176.193	NORMAL	NO
OF1073	176.997	NORMAL	NO
OF1074	177.436	NORMAL	NO
OF1075	177.23	NORMAL	NO
OF1076	177.905	NORMAL	NO
OF1077	177.759	NORMAL	NO
OF1078	177.48	NORMAL	NO
OF1079	177.37	NORMAL	NO
OF108	184.111	NORMAL	NO
OF1080	176.589	NORMAL	NO
OF1081	177.298	NORMAL	NO
OF1082	177.189	NORMAL	NO
OF1083	177.394	NORMAL	NO
OF1084	176.546	NORMAL	NO
OF1085	177.373	NORMAL	NO
OF1086	176.982	NORMAL	NO
OF1087	177.322	NORMAL	NO
OF1088	176.691	NORMAL	NO
OF1089	177.258	NORMAL	NO
OF109	183.764	NORMAL	NO
OF1090	176.671	NORMAL	NO
OF1091	177.221	NORMAL	NO
OF1092	176.905	NORMAL	NO
OF1093	176.491	NORMAL	NO
OF1094	176.923	NORMAL	NO
OF1095	176.945	NORMAL	NO
OF1096	176.797	NORMAL	NO
OF1097	176.393	NORMAL	NO
OF1098	176.5	NORMAL	NO
OF1099	176.416	NORMAL	NO
OF11	176.251	NORMAL	NO
OF110	181.958	NORMAL	NO
OF1100	175.889	NORMAL	NO
OF1101	176.261	NORMAL	NO
OF1102	175.995	NORMAL	NO
OF1103	176.42	NORMAL	NO
OF1104	175.711	NORMAL	NO
OF1105	176.271	NORMAL	NO
OF1106	175.941	NORMAL	NO
OF1107	176.462	NORMAL	NO
OF1108	176.316	NORMAL	NO

OF1109	175.868	NORMAL	NO
OF111	183.679	NORMAL	NO
OF1110	176.501	NORMAL	NO
OF1111	176.248	NORMAL	NO
OF1112	175.745	NORMAL	NO
OF1113	176.434	NORMAL	NO
OF1114	175.743	NORMAL	NO
OF1115	175.662	NORMAL	NO
OF1116	176.169	NORMAL	NO
OF1117	176.321	NORMAL	NO
OF1118	176.357	NORMAL	NO
OF1119	176.427	NORMAL	NO
OF112	181.977	NORMAL	NO
OF1120	176.107	NORMAL	NO
OF1121	176.169	NORMAL	NO
OF1122	175.827	NORMAL	NO
OF1123	176.307	NORMAL	NO
OF1124	175.771	NORMAL	NO
OF1125	176.117	NORMAL	NO
OF1126	176.051	NORMAL	NO
OF1127	176.411	NORMAL	NO
OF1128	176.147	NORMAL	NO
OF1129	176.348	NORMAL	NO
OF113	183.85	NORMAL	NO
OF1130	176.232	NORMAL	NO
OF1131	176.436	NORMAL	NO
OF1132	176.259	NORMAL	NO
OF1133	176.25	NORMAL	NO
OF1134	176.387	NORMAL	NO
OF1135	176.23	NORMAL	NO
OF1136	176.369	NORMAL	NO
OF1137	176.168	NORMAL	NO
OF1138	176.29	NORMAL	NO
OF1139	175.983	NORMAL	NO
OF114	181.854	NORMAL	NO
OF1140	176.227	NORMAL	NO
OF1141	175.942	NORMAL	NO
OF1142	176.082	NORMAL	NO
OF1143	176.103	NORMAL	NO
OF1144	176.39	NORMAL	NO
OF1145	176.305	NORMAL	NO
OF1146	176.438	NORMAL	NO
OF1147	176.179	NORMAL	NO
OF1148	176.464	NORMAL	NO
OF1149	176.213	NORMAL	NO
OF115	183.589	NORMAL	NO
OF1150	176.447	NORMAL	NO
OF1151	176.301	NORMAL	NO
OF1152	176.361	NORMAL	NO
OF1153	176.179	NORMAL	NO
OF1154	176.435	NORMAL	NO
OF1155	176.182	NORMAL	NO
OF1156	176.356	NORMAL	NO
OF1157	176.148	NORMAL	NO
OF1158	176.421	NORMAL	NO
OF1159	175.653	NORMAL	NO
OF116	181.799	NORMAL	NO
OF1160	175.984	NORMAL	NO
OF1161	175.71	NORMAL	NO
OF1162	176.465	NORMAL	NO
OF1163	176.17	NORMAL	NO
OF1164	176.441	NORMAL	NO
OF1165	176.216	NORMAL	NO
OF1166	176.461	NORMAL	NO

OF1167	176.202	NORMAL	NO
OF1168	176.55	NORMAL	NO
OF1169	176.227	NORMAL	NO
OF117	183.576	NORMAL	NO
OF1170	176.223	NORMAL	NO
OF1171	176.485	NORMAL	NO
OF1172	176.356	NORMAL	NO
OF1173	176.54	NORMAL	NO
OF1174	176.186	NORMAL	NO
OF1175	176.235	NORMAL	NO
OF1176	175.757	NORMAL	NO
OF1177	176.441	NORMAL	NO
OF1178	176.299	NORMAL	NO
OF1179	176.192	NORMAL	NO
OF118	181.713	NORMAL	NO
OF1180	176.388	NORMAL	NO
OF1181	176.325	NORMAL	NO
OF1182	176.393	NORMAL	NO
OF1183	176.202	NORMAL	NO
OF1184	176.454	NORMAL	NO
OF1185	176.42	NORMAL	NO
OF1186	176.443	NORMAL	NO
OF1187	176.171	NORMAL	NO
OF1188	176.302	NORMAL	NO
OF1189	176.239	NORMAL	NO
OF119	183.857	NORMAL	NO
OF1190	176.491	NORMAL	NO
OF1191	175.616	NORMAL	NO
OF1192	176.331	NORMAL	NO
OF1193	175.723	NORMAL	NO
OF1194	176.501	NORMAL	NO
OF1195	176.315	NORMAL	NO
OF1196	176.55	NORMAL	NO
OF1197	176.3	NORMAL	NO
OF1198	176.514	NORMAL	NO
OF1199	176.295	NORMAL	NO
OF12	182.696	NORMAL	NO
OF120	183.652	NORMAL	NO
OF1200	176.646	NORMAL	NO
OF1201	176.498	NORMAL	NO
OF1202	176.182	NORMAL	NO
OF1203	176.484	NORMAL	NO
OF1204	175.809	NORMAL	NO
OF1205	176.239	NORMAL	NO
OF1206	175.894	NORMAL	NO
OF1207	176.319	NORMAL	NO
OF1208	176.46	NORMAL	NO
OF1209	176.862	NORMAL	NO
OF121	181.671	NORMAL	NO
OF1210	176.51	NORMAL	NO
OF1211	176.846	NORMAL	NO
OF1212	176.792	NORMAL	NO
OF1213	176.761	NORMAL	NO
OF1214	176.692	NORMAL	NO
OF1215	176.479	NORMAL	NO
OF1216	176.749	NORMAL	NO
OF1217	176.538	NORMAL	NO
OF1218	176.387	NORMAL	NO
OF1219	176.412	NORMAL	NO
OF122	183.794	NORMAL	NO
OF1220	176.635	NORMAL	NO
OF1221	176.653	NORMAL	NO
OF1222	176.649	NORMAL	NO
OF1223	176.888	NORMAL	NO

OF1224	177.079	NORMAL	NO
OF1225	177.047	NORMAL	NO
OF1226	176.861	NORMAL	NO
OF1227	177.154	NORMAL	NO
OF1228	176.421	NORMAL	NO
OF1229	176.505	NORMAL	NO
OF123	183.714	NORMAL	NO
OF1230	175.859	NORMAL	NO
OF1231	176.009	NORMAL	NO
OF1232	176.391	NORMAL	NO
OF1233	176.376	NORMAL	NO
OF1234	176.396	NORMAL	NO
OF1235	176.384	NORMAL	NO
OF1236	176.281	NORMAL	NO
OF1237	176.603	NORMAL	NO
OF1238	176.614	NORMAL	NO
OF1239	176.377	NORMAL	NO
OF124	183.798	NORMAL	NO
OF1240	176.406	NORMAL	NO
OF1241	176.483	NORMAL	NO
OF1242	176.469	NORMAL	NO
OF1243	176.698	NORMAL	NO
OF1244	176.444	NORMAL	NO
OF1245	175.919	NORMAL	NO
OF1246	175.916	NORMAL	NO
OF1247	175.98	NORMAL	NO
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OF1275	176.611	NORMAL	NO
OF1276	177.042	NORMAL	NO
OF1277	177.204	NORMAL	NO
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OF1281	176.655	NORMAL	NO

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OF1679	176.4	NORMAL	NO
OF168	183.982	NORMAL	NO
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OF1681	176.365	NORMAL	NO
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OF1683	176.501	NORMAL	NO
OF169	181.552	NORMAL	NO
OF17	182.809	NORMAL	NO

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OF171	181.507	NORMAL	NO
OF172	181.45	NORMAL	NO
OF173	183.506	NORMAL	NO
OF174	181.498	NORMAL	NO
OF175	183.493	NORMAL	NO
OF176	183.469	NORMAL	NO
OF177	181.488	NORMAL	NO
OF178	181.455	NORMAL	NO
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OF18	182.265	NORMAL	NO
OF180	183.519	NORMAL	NO
OF181	183.306	NORMAL	NO
OF182	181.459	NORMAL	NO
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OF20	182.348	NORMAL	NO
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OF202	181.345	NORMAL	NO
OF203	183.955	NORMAL	NO
OF204	181.329	NORMAL	NO
OF205	183.726	NORMAL	NO
OF206	183.578	NORMAL	NO
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OF22	183.264	NORMAL	NO
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OF221	184.009	NORMAL	NO
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OF223	181.28	NORMAL	NO
OF224	183.868	NORMAL	NO
OF225	183.871	NORMAL	NO
OF226	181.332	NORMAL	NO
OF227	181.334	NORMAL	NO

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OF229	183.878	NORMAL	NO
OF23	183.261	NORMAL	NO
OF230	181.366	NORMAL	NO
OF231	183.726	NORMAL	NO
OF232	183.837	NORMAL	NO
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OF244	181.908	NORMAL	NO
OF245	181.637	NORMAL	NO
OF246	183.733	NORMAL	NO
OF247	183.719	NORMAL	NO
OF248	181.504	NORMAL	NO
OF249	181.395	NORMAL	NO
OF25	183.155	NORMAL	NO
OF250	183.825	NORMAL	NO
OF251	183.799	NORMAL	NO
OF252	182.427	NORMAL	NO
OF253	183.844	NORMAL	NO
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OF255	183.83	NORMAL	NO
OF256	181.302	NORMAL	NO
OF257	183.654	NORMAL	NO
OF258	181.203	NORMAL	NO
OF259	181.284	NORMAL	NO
OF26	182.452	NORMAL	NO
OF260	183.846	NORMAL	NO
OF261	183.813	NORMAL	NO
OF262	181.254	NORMAL	NO
OF263	184.152	NORMAL	NO
OF264	183.798	NORMAL	NO
OF265	181.314	NORMAL	NO
OF266	181.371	NORMAL	NO
OF267	184.682	NORMAL	NO
OF268	181.497	NORMAL	NO
OF269	184.062	NORMAL	NO
OF27	182.712	NORMAL	NO
OF270	181.759	NORMAL	NO
OF271	183.912	NORMAL	NO
OF272	182.222	NORMAL	NO
OF273	182.055	NORMAL	NO
OF274	183.595	NORMAL	NO
OF275	184.148	NORMAL	NO
OF276	181.691	NORMAL	NO
OF277	181.871	NORMAL	NO
OF278	184.042	NORMAL	NO
OF279	183.734	NORMAL	NO
OF28	182.938	NORMAL	NO
OF280	181.725	NORMAL	NO
OF281	182.168	NORMAL	NO
OF282	183.515	NORMAL	NO
OF283	183.874	NORMAL	NO
OF284	182.252	NORMAL	NO
OF285	183.664	NORMAL	NO

OF286	181.383	NORMAL		NO
OF287	183.475	NORMAL		NO
OF288	181.083	NORMAL		NO
OF289	181.406	NORMAL		NO
OF29	182.015	NORMAL		NO
OF290	180.951	NORMAL		NO
OF291	183.946	NORMAL		NO
OF292	181.583	NORMAL		NO
OF293	183.524	NORMAL		NO
OF294	183.374	NORMAL		NO
OF295	183.701	NORMAL		NO
OF296	181.422	NORMAL		NO
OF297	181.284	NORMAL		NO
OF298	183.538	NORMAL		NO
OF299	183.302	NORMAL		NO
OF3	176.555	FIXED	175	NO
OF30	182.936	NORMAL		NO
OF300	181.459	NORMAL		NO
OF301	183.201	NORMAL		NO
OF302	182.16	NORMAL		NO
OF303	183.586	NORMAL		NO
OF304	183.435	NORMAL		NO
OF305	181.4	NORMAL		NO
OF306	183.159	NORMAL		NO
OF307	181.582	NORMAL		NO
OF308	183.596	NORMAL		NO
OF309	181.428	NORMAL		NO
OF31	182.624	NORMAL		NO
OF310	183.395	NORMAL		NO
OF311	181.324	NORMAL		NO
OF312	183.342	NORMAL		NO
OF313	181.16	NORMAL		NO
OF314	180.659	NORMAL		NO
OF315	183.467	NORMAL		NO
OF316	180.803	NORMAL		NO
OF317	183.272	NORMAL		NO
OF318	183.188	NORMAL		NO
OF319	180.712	NORMAL		NO
OF32	182.782	NORMAL		NO
OF320	183.379	NORMAL		NO
OF321	180.781	NORMAL		NO
OF322	183.287	NORMAL		NO
OF323	181.376	NORMAL		NO
OF324	181.843	NORMAL		NO
OF325	183.336	NORMAL		NO
OF326	183.652	NORMAL		NO
OF327	183.305	NORMAL		NO
OF328	181.587	NORMAL		NO
OF329	183.357	NORMAL		NO
OF33	182.217	NORMAL		NO
OF330	180.888	NORMAL		NO
OF331	183.573	NORMAL		NO
OF332	180.569	NORMAL		NO
OF333	180.531	NORMAL		NO
OF334	180.566	NORMAL		NO
OF335	183.958	NORMAL		NO
OF336	180.535	NORMAL		NO
OF337	180.529	NORMAL		NO
OF338	183.946	NORMAL		NO
OF339	180.524	NORMAL		NO
OF34	183.315	NORMAL		NO
OF340	183.443	NORMAL		NO
OF341	180.504	NORMAL		NO
OF342	183.97	NORMAL		NO

OF343	183.909	NORMAL	NO
OF344	180.561	NORMAL	NO
OF345	183.89	NORMAL	NO
OF346	180.495	NORMAL	NO
OF347	183.703	NORMAL	NO
OF348	180.515	NORMAL	NO
OF349	183.695	NORMAL	NO
OF35	182.57	NORMAL	NO
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OF351	183.73	NORMAL	NO
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OF353	180.521	NORMAL	NO
OF354	183.615	NORMAL	NO
OF355	183.644	NORMAL	NO
OF356	180.481	NORMAL	NO
OF357	180.452	NORMAL	NO
OF358	183.906	NORMAL	NO
OF359	183.66	NORMAL	NO
OF36	182.494	NORMAL	NO
OF360	180.684	NORMAL	NO
OF361	180.922	NORMAL	NO
OF362	183.668	NORMAL	NO
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OF364	183.872	NORMAL	NO
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OF366	183.699	NORMAL	NO
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OF372	180.394	NORMAL	NO
OF373	184.036	NORMAL	NO
OF374	180.482	NORMAL	NO
OF375	183.832	NORMAL	NO
OF376	180.301	NORMAL	NO
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OF378	183.653	NORMAL	NO
OF379	180.71	NORMAL	NO
OF38	183.413	NORMAL	NO
OF380	183.767	NORMAL	NO
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OF383	183.359	NORMAL	NO
OF384	180.784	NORMAL	NO
OF385	180.81	NORMAL	NO
OF386	183.524	NORMAL	NO
OF387	183.549	NORMAL	NO
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OF389	180.747	NORMAL	NO
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OF391	183.478	NORMAL	NO
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OF393	180.573	NORMAL	NO
OF394	183.364	NORMAL	NO
OF395	180.185	NORMAL	NO
OF396	180.235	NORMAL	NO
OF397	183.601	NORMAL	NO
OF398	183.255	NORMAL	NO
OF399	180.224	NORMAL	NO
OF4	176.193	NORMAL	NO
OF40	182.856	NORMAL	NO

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OF401	183.178	NORMAL	NO
OF402	180.193	NORMAL	NO
OF403	180.186	NORMAL	NO
OF404	182.841	NORMAL	NO
OF405	180.198	NORMAL	NO
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OF407	182.984	NORMAL	NO
OF408	180.51	NORMAL	NO
OF409	183.064	NORMAL	NO
OF41	183.252	NORMAL	NO
OF410	183.202	NORMAL	NO
OF411	180.271	NORMAL	NO
OF412	180.276	NORMAL	NO
OF413	183.48	NORMAL	NO
OF414	183.024	NORMAL	NO
OF415	183.112	NORMAL	NO
OF416	180.205	NORMAL	NO
OF417	183.321	NORMAL	NO
OF418	180.228	NORMAL	NO
OF419	183.002	NORMAL	NO
OF42	183.437	NORMAL	NO
OF420	180.253	NORMAL	NO
OF421	183.115	NORMAL	NO
OF422	180.173	NORMAL	NO
OF423	180.086	NORMAL	NO
OF424	183.409	NORMAL	NO
OF425	182.841	NORMAL	NO
OF426	180.393	NORMAL	NO
OF427	183.073	NORMAL	NO
OF428	180.307	NORMAL	NO
OF429	182.815	NORMAL	NO
OF43	182.359	NORMAL	NO
OF430	180.39	NORMAL	NO
OF431	182.726	NORMAL	NO
OF432	183.049	NORMAL	NO
OF433	184.581	NORMAL	NO
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OF437	180.039	NORMAL	NO
OF438	183.406	NORMAL	NO
OF439	180.229	NORMAL	NO
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OF441	180.351	NORMAL	NO
OF442	179.9	NORMAL	NO
OF443	183.192	NORMAL	NO
OF444	179.914	NORMAL	NO
OF445	183.318	NORMAL	NO
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OF447	179.852	NORMAL	NO
OF448	183.162	NORMAL	NO
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OF45	182.681	NORMAL	NO
OF450	183.112	NORMAL	NO
OF451	179.866	NORMAL	NO
OF452	183.264	NORMAL	NO
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OF454	183.068	NORMAL	NO
OF455	179.859	NORMAL	NO
OF456	182.916	NORMAL	NO
OF457	179.809	NORMAL	NO
OF458	182.813	NORMAL	NO

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OF46	182.213	NORMAL	NO
OF460	179.852	NORMAL	NO
OF461	183.068	NORMAL	NO
OF462	179.791	NORMAL	NO
OF463	179.697	NORMAL	NO
OF464	183.131	NORMAL	NO
OF465	179.697	NORMAL	NO
OF466	179.614	NORMAL	NO
OF467	183.148	NORMAL	NO
OF468	183.245	NORMAL	NO
OF469	179.543	NORMAL	NO
OF47	183.13	NORMAL	NO
OF470	183.545	NORMAL	NO
OF471	179.559	NORMAL	NO
OF472	183.401	NORMAL	NO
OF473	179.526	NORMAL	NO
OF474	183.345	NORMAL	NO
OF475	179.512	NORMAL	NO
OF476	183.549	NORMAL	NO
OF477	179.507	NORMAL	NO
OF478	183.353	NORMAL	NO
OF479	179.508	NORMAL	NO
OF48	183.143	NORMAL	NO
OF480	183.335	NORMAL	NO
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OF482	179.452	NORMAL	NO
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OF485	183.374	NORMAL	NO
OF486	179.369	NORMAL	NO
OF487	179.347	NORMAL	NO
OF488	183.655	NORMAL	NO
OF489	179.364	NORMAL	NO
OF49	183.073	NORMAL	NO
OF490	183.449	NORMAL	NO
OF491	179.314	NORMAL	NO
OF492	183.523	NORMAL	NO
OF493	179.922	NORMAL	NO
OF494	183.617	NORMAL	NO
OF495	180.125	NORMAL	NO
OF496	183.842	NORMAL	NO
OF497	183.627	NORMAL	NO
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OF499	179.201	NORMAL	NO
OF5	176.386	NORMAL	NO
OF50	182.727	NORMAL	NO
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OF501	183.506	NORMAL	NO
OF502	179.236	NORMAL	NO
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OF504	183.431	NORMAL	NO
OF505	183.545	NORMAL	NO
OF506	179.169	NORMAL	NO
OF507	183.561	NORMAL	NO
OF508	183.401	NORMAL	NO
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OF51	182.673	NORMAL	NO
OF510	183.415	NORMAL	NO
OF511	179.921	NORMAL	NO
OF512	183.266	NORMAL	NO
OF513	179.761	NORMAL	NO
OF514	183.347	NORMAL	NO
OF515	179.621	NORMAL	NO

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OF517	183.6	NORMAL	NO
OF518	179.395	NORMAL	NO
OF519	179.472	NORMAL	NO
OF52	182.395	NORMAL	NO
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OF526	179.621	NORMAL	NO
OF527	179.488	NORMAL	NO
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OF529	183.292	NORMAL	NO
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OF546	179.117	NORMAL	NO
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OF55	182.914	NORMAL	NO
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OF554	183.914	NORMAL	NO
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OF556	178.776	NORMAL	NO
OF557	183.328	NORMAL	NO
OF558	183.466	NORMAL	NO
OF559	183.587	NORMAL	NO
OF56	183.213	NORMAL	NO
OF560	184.135	NORMAL	NO
OF561	183.408	NORMAL	NO
OF562	178.639	NORMAL	NO
OF563	178.757	NORMAL	NO
OF564	183.55	NORMAL	NO
OF565	183.98	NORMAL	NO
OF566	183.196	NORMAL	NO
OF567	184.048	NORMAL	NO
OF568	183.301	NORMAL	NO
OF569	183.495	NORMAL	NO
OF57	183.261	NORMAL	NO
OF570	184.128	NORMAL	NO
OF571	178.915	NORMAL	NO
OF572	183.202	NORMAL	NO
OF573	179.635	NORMAL	NO

OF574	183.233	NORMAL	NO
OF575	183.063	NORMAL	NO
OF576	183.069	NORMAL	NO
OF577	183.942	NORMAL	NO
OF578	183.192	NORMAL	NO
OF579	183.295	NORMAL	NO
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OF584	183.477	NORMAL	NO
OF585	182.983	NORMAL	NO
OF586	183.211	NORMAL	NO
OF587	180.233	NORMAL	NO
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OF589	183.265	NORMAL	NO
OF59	183.008	NORMAL	NO
OF590	182.817	NORMAL	NO
OF591	178.13	NORMAL	NO
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OF593	178.986	NORMAL	NO
OF594	178.594	NORMAL	NO
OF595	184.345	NORMAL	NO
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OF598	183.575	NORMAL	NO
OF599	184.182	NORMAL	NO
OF6	176.231	NORMAL	NO
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OF610	182.848	NORMAL	NO
OF611	184.112	NORMAL	NO
OF612	183.164	NORMAL	NO
OF613	178.411	NORMAL	NO
OF614	178.392	NORMAL	NO
OF615	183.669	NORMAL	NO
OF616	183.496	NORMAL	NO
OF617	184.084	NORMAL	NO
OF618	178.241	NORMAL	NO
OF619	183.498	NORMAL	NO
OF62	182.603	NORMAL	NO
OF620	183.435	NORMAL	NO
OF621	183.876	NORMAL	NO
OF622	183.626	NORMAL	NO
OF623	183.293	NORMAL	NO
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OF626	183.723	NORMAL	NO
OF627	183.318	NORMAL	NO
OF628	183.852	NORMAL	NO
OF629	178.227	NORMAL	NO
OF63	182.583	NORMAL	NO
OF630	184.167	NORMAL	NO

OF631	183.29	NORMAL	NO
OF632	183.215	NORMAL	NO
OF633	178.068	NORMAL	NO
OF634	183.946	NORMAL	NO
OF635	184.023	NORMAL	NO
OF636	184.267	NORMAL	NO
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OF639	184.529	NORMAL	NO
OF64	182.683	NORMAL	NO
OF640	182.83	NORMAL	NO
OF641	178.249	NORMAL	NO
OF642	184.509	NORMAL	NO
OF643	184.412	NORMAL	NO
OF644	184.383	NORMAL	NO
OF645	184.11	NORMAL	NO
OF646	184.03	NORMAL	NO
OF647	178.132	NORMAL	NO
OF648	183.766	NORMAL	NO
OF649	183.998	NORMAL	NO
OF65	182.943	NORMAL	NO
OF650	184.113	NORMAL	NO
OF651	184.408	NORMAL	NO
OF652	184.43	NORMAL	NO
OF653	184.331	NORMAL	NO
OF654	184.189	NORMAL	NO
OF655	182.428	NORMAL	NO
OF656	182.664	NORMAL	NO
OF657	178.214	NORMAL	NO
OF658	178.111	NORMAL	NO
OF659	182.315	NORMAL	NO
OF66	182.767	NORMAL	NO
OF660	177.974	NORMAL	NO
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OF662	181.892	NORMAL	NO
OF663	182.066	NORMAL	NO
OF664	178.175	NORMAL	NO
OF665	178.046	NORMAL	NO
OF666	181.906	NORMAL	NO
OF667	181.81	NORMAL	NO
OF668	178.138	NORMAL	NO
OF669	181.608	NORMAL	NO
OF67	182.791	NORMAL	NO
OF670	178.302	NORMAL	NO
OF671	181.659	NORMAL	NO
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OF677	180.956	NORMAL	NO
OF678	180.923	NORMAL	NO
OF679	181.232	NORMAL	NO
OF68	182.42	NORMAL	NO
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OF683	180.576	NORMAL	NO
OF684	180.762	NORMAL	NO
OF685	178.619	NORMAL	NO
OF686	180.32	NORMAL	NO
OF687	178.55	NORMAL	NO
OF688	180.424	NORMAL	NO
OF689	177.279	NORMAL	NO

OF69	182.669	NORMAL	NO
OF690	179.147	NORMAL	NO
OF691	176.986	NORMAL	NO
OF692	180.293	NORMAL	NO
OF693	177.046	NORMAL	NO
OF694	176.954	NORMAL	NO
OF695	177.15	NORMAL	NO
OF696	177.427	NORMAL	NO
OF697	180.405	NORMAL	NO
OF698	178.688	NORMAL	NO
OF699	177.015	NORMAL	NO
OF7	176.365	NORMAL	NO
OF70	182.503	NORMAL	NO
OF700	177.151	NORMAL	NO
OF701	177.24	NORMAL	NO
OF702	177.471	NORMAL	NO
OF703	178.419	NORMAL	NO
OF704	178.697	NORMAL	NO
OF705	180.26	NORMAL	NO
OF706	180.315	NORMAL	NO
OF707	178.308	NORMAL	NO
OF708	177.686	NORMAL	NO
OF709	177.514	NORMAL	NO
OF71	182.801	NORMAL	NO
OF710	177.609	NORMAL	NO
OF711	177.595	NORMAL	NO
OF712	176.806	NORMAL	NO
OF713	177.743	NORMAL	NO
OF714	177.805	NORMAL	NO
OF715	177.924	NORMAL	NO
OF716	177.951	NORMAL	NO
OF717	177.883	NORMAL	NO
OF718	177.944	NORMAL	NO
OF719	177.932	NORMAL	NO
OF72	182.733	NORMAL	NO
OF720	180.315	NORMAL	NO
OF721	180.087	NORMAL	NO
OF722	176.976	NORMAL	NO
OF723	177.683	NORMAL	NO
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OF726	177.856	NORMAL	NO
OF727	177.927	NORMAL	NO
OF728	178.067	NORMAL	NO
OF729	177.916	NORMAL	NO
OF73	182.503	NORMAL	NO
OF730	177.679	NORMAL	NO
OF731	178.349	NORMAL	NO
OF732	176.673	NORMAL	NO
OF733	178.055	NORMAL	NO
OF734	177.73	NORMAL	NO
OF735	178.105	NORMAL	NO
OF736	177.99	NORMAL	NO
OF737	180.042	NORMAL	NO
OF738	178.019	NORMAL	NO
OF739	178.089	NORMAL	NO
OF74	183.604	NORMAL	NO
OF740	178.121	NORMAL	NO
OF741	177.998	NORMAL	NO
OF742	178.386	NORMAL	NO
OF743	176.344	NORMAL	NO
OF744	176.444	NORMAL	NO
OF745	176.557	NORMAL	NO
OF746	180.023	NORMAL	NO

OF747	177.991	NORMAL	NO
OF748	178.046	NORMAL	NO
OF749	178.463	NORMAL	NO
OF75	183.535	NORMAL	NO
OF750	178.452	NORMAL	NO
OF751	177.607	NORMAL	NO
OF752	177.67	NORMAL	NO
OF753	177.656	NORMAL	NO
OF754	176.078	NORMAL	NO
OF755	180.007	NORMAL	NO
OF756	178.493	NORMAL	NO
OF757	176.591	NORMAL	NO
OF758	178.008	NORMAL	NO
OF759	177.643	NORMAL	NO
OF76	182.523	NORMAL	NO
OF760	179.98	NORMAL	NO
OF761	177.838	NORMAL	NO
OF762	176.246	NORMAL	NO
OF763	177.59	NORMAL	NO
OF764	176.546	NORMAL	NO
OF765	177.973	NORMAL	NO
OF766	178.573	NORMAL	NO
OF767	179.708	NORMAL	NO
OF768	177.855	NORMAL	NO
OF769	178.263	NORMAL	NO
OF77	183.672	NORMAL	NO
OF770	176.223	NORMAL	NO
OF771	177.82	NORMAL	NO
OF772	179.901	NORMAL	NO
OF773	178.031	NORMAL	NO
OF774	177.575	NORMAL	NO
OF775	177.72	NORMAL	NO
OF776	179.899	NORMAL	NO
OF777	176.284	NORMAL	NO
OF778	178.028	NORMAL	NO
OF779	178.016	NORMAL	NO
OF78	183.741	NORMAL	NO
OF780	177.747	NORMAL	NO
OF781	177.576	NORMAL	NO
OF782	177.439	NORMAL	NO
OF783	177.525	NORMAL	NO
OF784	177.492	NORMAL	NO
OF785	177.631	NORMAL	NO
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OF787	176.051	NORMAL	NO
OF788	178.255	NORMAL	NO
OF789	177.576	NORMAL	NO
OF79	182.982	NORMAL	NO
OF790	177.93	NORMAL	NO
OF791	179.707	NORMAL	NO
OF792	177.949	NORMAL	NO
OF793	177.61	NORMAL	NO
OF794	177.648	NORMAL	NO
OF795	177.634	NORMAL	NO
OF796	177.571	NORMAL	NO
OF797	176.048	NORMAL	NO
OF798	179.768	NORMAL	NO
OF799	178.186	NORMAL	NO
OF8	182.682	NORMAL	NO
OF80	183.597	NORMAL	NO
OF800	177.858	NORMAL	NO
OF801	177.542	NORMAL	NO
OF802	177.743	NORMAL	NO
OF803	177.791	NORMAL	NO

OF804	177.672	NORMAL	NO
OF805	177.801	NORMAL	NO
OF806	177.74	NORMAL	NO
OF807	177.628	NORMAL	NO
OF808	178.075	NORMAL	NO
OF809	179.769	NORMAL	NO
OF81	182.862	NORMAL	NO
OF810	177.919	NORMAL	NO
OF811	177.8	NORMAL	NO
OF812	177.833	NORMAL	NO
OF813	177.852	NORMAL	NO
OF814	178.287	NORMAL	NO
OF815	176.145	NORMAL	NO
OF816	177.881	NORMAL	NO
OF817	177.888	NORMAL	NO
OF818	179.905	NORMAL	NO
OF819	177.577	NORMAL	NO
OF82	183.723	NORMAL	NO
OF820	177.59	NORMAL	NO
OF821	177.626	NORMAL	NO
OF822	176.2	NORMAL	NO
OF823	176.265	NORMAL	NO
OF824	177.946	NORMAL	NO
OF825	179.609	NORMAL	NO
OF826	179.745	NORMAL	NO
OF827	175.962	NORMAL	NO
OF828	177.69	NORMAL	NO
OF829	177.738	NORMAL	NO
OF83	183.551	NORMAL	NO
OF830	177.591	NORMAL	NO
OF831	178.206	NORMAL	NO
OF832	178.293	NORMAL	NO
OF833	177.85	NORMAL	NO
OF834	177.729	NORMAL	NO
OF835	178.464	NORMAL	NO
OF836	175.954	NORMAL	NO
OF837	179.795	NORMAL	NO
OF838	178.002	NORMAL	NO
OF839	177.823	NORMAL	NO
OF84	182.715	NORMAL	NO
OF840	177.792	NORMAL	NO
OF841	177.843	NORMAL	NO
OF842	177.86	NORMAL	NO
OF843	177.757	NORMAL	NO
OF844	179.792	NORMAL	NO
OF845	177.681	NORMAL	NO
OF846	177.923	NORMAL	NO
OF847	178.044	NORMAL	NO
OF848	176.606	NORMAL	NO
OF849	177.971	NORMAL	NO
OF85	182.669	NORMAL	NO
OF850	177.784	NORMAL	NO
OF851	178.46	NORMAL	NO
OF852	179.729	NORMAL	NO
OF853	176.608	NORMAL	NO
OF854	178.451	NORMAL	NO
OF855	177.471	NORMAL	NO
OF856	177.842	NORMAL	NO
OF857	177.335	NORMAL	NO
OF858	179.672	NORMAL	NO
OF859	177.351	NORMAL	NO
OF86	183.579	NORMAL	NO
OF860	177.871	NORMAL	NO
OF861	177.733	NORMAL	NO

OF862	176.509	NORMAL	NO
OF863	178.17	NORMAL	NO
OF864	176.217	NORMAL	NO
OF865	179.641	NORMAL	NO
OF866	177.532	NORMAL	NO
OF867	177.427	NORMAL	NO
OF868	177.275	NORMAL	NO
OF869	177.227	NORMAL	NO
OF87	182.205	NORMAL	NO
OF870	177.14	NORMAL	NO
OF871	177.117	NORMAL	NO
OF872	177.199	NORMAL	NO
OF873	177.91	NORMAL	NO
OF874	179.656	NORMAL	NO
OF875	177.895	NORMAL	NO
OF876	176.076	NORMAL	NO
OF877	177.686	NORMAL	NO
OF878	177.811	NORMAL	NO
OF879	177.512	NORMAL	NO
OF88	183.773	NORMAL	NO
OF880	177.239	NORMAL	NO
OF881	179.593	NORMAL	NO
OF882	177.78	NORMAL	NO
OF883	177.926	NORMAL	NO
OF884	177.931	NORMAL	NO
OF885	177.965	NORMAL	NO
OF886	175.985	NORMAL	NO
OF887	178.085	NORMAL	NO
OF888	177.792	NORMAL	NO
OF889	178.542	NORMAL	NO
OF89	182.22	NORMAL	NO
OF890	179.618	NORMAL	NO
OF891	177.645	NORMAL	NO
OF892	178.126	NORMAL	NO
OF893	178.085	NORMAL	NO
OF894	178.054	NORMAL	NO
OF895	177.963	NORMAL	NO
OF896	178.072	NORMAL	NO
OF897	178.141	NORMAL	NO
OF898	177.101	NORMAL	NO
OF899	178.115	NORMAL	NO
OF9	182.714	NORMAL	NO
OF90	183.228	NORMAL	NO
OF900	177.727	NORMAL	NO
OF901	179.705	NORMAL	NO
OF902	179.634	NORMAL	NO
OF903	177.477	NORMAL	NO
OF904	179.65	NORMAL	NO
OF905	178.799	NORMAL	NO
OF906	178.88	NORMAL	NO
OF907	178.935	NORMAL	NO
OF908	178.774	NORMAL	NO
OF909	179.032	NORMAL	NO
OF91	182.241	NORMAL	NO
OF910	178.933	NORMAL	NO
OF911	179.119	NORMAL	NO
OF912	179.131	NORMAL	NO
OF913	178.873	NORMAL	NO
OF914	178.92	NORMAL	NO
OF915	178.706	NORMAL	NO
OF916	178.813	NORMAL	NO
OF917	178.645	NORMAL	NO
OF918	178.576	NORMAL	NO
OF919	178.763	NORMAL	NO

OF92	182.224	NORMAL	NO
OF920	178.603	NORMAL	NO
OF921	178.605	NORMAL	NO
OF922	178.381	NORMAL	NO
OF923	178.423	NORMAL	NO
OF924	178.37	NORMAL	NO
OF925	178.334	NORMAL	NO
OF926	178.104	NORMAL	NO
OF927	178.149	NORMAL	NO
OF928	178.075	NORMAL	NO
OF929	177.983	NORMAL	NO
OF93	182.131	NORMAL	NO
OF930	177.904	NORMAL	NO
OF931	177.893	NORMAL	NO
OF932	177.817	NORMAL	NO
OF933	177.73	NORMAL	NO
OF934	177.723	NORMAL	NO
OF935	177.528	NORMAL	NO
OF936	179.053	NORMAL	NO
OF937	178.319	NORMAL	NO
OF938	179.42	NORMAL	NO
OF939	183.989	NORMAL	NO
OF94	183.538	NORMAL	NO
OF940	183.968	NORMAL	NO
OF941	183.752	NORMAL	NO
OF942	178.012	NORMAL	NO
OF943	178.181	NORMAL	NO
OF944	178.135	NORMAL	NO
OF945	177.991	NORMAL	NO
OF946	177.918	NORMAL	NO
OF947	177.864	NORMAL	NO
OF948	182.802	NORMAL	NO
OF949	183.933	NORMAL	NO
OF95	183.74	NORMAL	NO
OF950	177.862	NORMAL	NO
OF951	177.62	NORMAL	NO
OF952	177.846	NORMAL	NO
OF953	177.876	NORMAL	NO
OF954	177.683	NORMAL	NO
OF955	177.693	NORMAL	NO
OF956	183.506	NORMAL	NO
OF957	177.576	NORMAL	NO
OF958	177.651	NORMAL	NO
OF959	177.763	NORMAL	NO
OF96	182.148	NORMAL	NO
OF960	177.993	NORMAL	NO
OF961	177.948	NORMAL	NO
OF962	177.335	NORMAL	NO
OF963	177.492	NORMAL	NO
OF964	177.761	NORMAL	NO
OF965	177.866	NORMAL	NO
OF966	178.342	NORMAL	NO
OF967	178.214	NORMAL	NO
OF968	178.329	NORMAL	NO
OF969	178.42	NORMAL	NO
OF97	182.119	NORMAL	NO
OF970	178.682	NORMAL	NO
OF971	179.638	NORMAL	NO
OF972	179.544	NORMAL	NO
OF973	179.373	NORMAL	NO
OF974	178.336	NORMAL	NO
OF975	178.371	NORMAL	NO
OF976	178.359	NORMAL	NO
OF977	178.498	NORMAL	NO

OF978	179.438	NORMAL		NO
OF979	180.418	NORMAL		NO
OF98	183.542	NORMAL		NO
OF980	180.135	NORMAL		NO
OF981	179.381	NORMAL		NO
OF982	178.652	NORMAL		NO
OF983	178.587	NORMAL		NO
OF984	178.46	NORMAL		NO
OF985	178.372	NORMAL		NO
OF986	178.436	NORMAL		NO
OF987	178.285	NORMAL		NO
OF988	178.401	NORMAL		NO
OF989	178.398	NORMAL		NO
OF99	183.659	NORMAL		NO
OF990	178.485	NORMAL		NO
OF991	179.176	NORMAL		NO
OF992	180.083	NORMAL		NO
OF993	180.221	NORMAL		NO
OF994	178.377	NORMAL		NO
OF995	178.217	NORMAL		NO
OF996	178.374	NORMAL		NO
OF997	178.975	NORMAL		NO
OF998	178.42	NORMAL		NO
OF999	178.318	NORMAL		NO
PILOTS_COVE_OUT	173.52	FIXED	176.09	NO
;Tailwater set at historic High for Lake St. Clair				
STARWOOD_OUT	174.25	FIXED	176.39	NO

[STORAGE]

;;	Invert	Max.	Init.	Storage	Curve		Evap.
;;Name	Elev.	Depth	Depth	Curve	Params		Frac.
BRIGHTON_PS	167.937	9.063	0	TABULAR	BRIGHTON_WW	0	0
ESTL_PS	171.401	5.529	0	TABULAR	ESTL_WW	0	0
LESP_PS1	169.52	9.58	0	TABULAR	FUT_LESP_PS	0	0
MANNING_PS	169.4	7.75	0	TABULAR	MANNING_WW	0	0
MANNING_PS-AUX_WW	169.2	7.95	0	TABULAR	MANNING_AUX.WW	0	0
PJCEC_PS	170.688	5.334	0	TABULAR	PJ_CEC_WW	0	0
PRK_STO	176.34	1.86	0	TABULAR	Park_STO_Surface	0	0
SCULLY_PS	170.231	5.789	0	TABULAR	SCULLY_WW	0	0
St.GregsSite_SU1	175.5	1.8	0	TABULAR	SiteStorage_StGregory	0	0
SU1	173.52	2.98	0	TABULAR	SWMPondCurve	0	0
SU2	174.6	2.4	0	TABULAR	StGreg_Surface_ReducedDepth		0 0
SU21	174.19	13.01	0	TABULAR	CC_TOWN_STO_Combined_Reduced		0 0
SU3	173.79	13.49	0	TABULAR	TownHall_STO_SurfaceWest		0 0
WSTL_PS	168.945	9.845	0	TABULAR	WSTL_WW	0	0

[CONDUITS]

;;	Inlet	Outlet		Manning	Inlet	Outlet	In
;;Name	Node	Node	Length	N	Offset	Offset	Fl
;Pipe-A 257.2 CL III							
1	STM7160	STM001	112.79	0.013	0.3	0.3	0
1022	STM1561	STM1562	80.12	0.013	0.3	0.3	0
1023	STM1562	STM337	74.82	0.013	0.3	3.22	0
1027	STM1568	STM342	77.26	0.013	0.3	0.3	0
1030	STM1572	STM350	31.69	0.013	0.3	0.3	0
1032	STM1574	STM1572	114.92	0.013	0.3	0.318	0
1037	STM1274	STM1275	58.75	0.013	0.3	0.3	0
1038	STM1582	STM1274	69.6	0.013	0.66	0.3	0
1069	STM1619	STM1582	87.74	0.013	0.3	0.69	0
1073	STM1626	STM1638	59.92	0.013	0.3	0.3	0

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Too many conduit entities (149019 in total).

[PUMPS]

;;	Inlet	Outlet	Pump	Init.	Startup	Shutoff
;;Name	Node	Node	Curve	Status	Depth	Depth
2209	STM3336	STM3337	Starwood_LS	ON	0.5	0
;PS Capacity Unknown. Max. Flow of 20.15 L/s based on 150mm forcemain max. velocity of 1.14m/s.						
BG_P1	BG_PS	STM3542	BG_PS1	OFF	0.01	0
BRIGHTON_LAG_P2	BRIGHTON_PS	J61	BRIGHTON_P1_P2_P3_P4	OFF	3.95	3.25
BRIGHTON_LAG_P3	BRIGHTON_PS	J61	BRIGHTON_P1_P2_P3_P4	OFF	4.05	3.34
BRIGHTON_LEAD_P1	BRIGHTON_PS	J61	BRIGHTON_P1_P2_P3_P4	OFF	3.85	3.15
BRIGHTON_P5/6	BRIGHTON_PS	J61	BRIGHTON_P5_P6	OFF	2.35	1.46
EST_L_P1	ESTL_PS	J50	E_ST_LOUIS_P1	OFF	0.8	0.39
EST_L_P2	ESTL_PS	J35	E_ST_LOUIS_P2	OFF	1.25	0.73
EST_L_P3	ESTL_PS	J53	E_ST_LOUIS_P3	OFF	1.86	1.25
;Main Screw Pump						
LP1	Lesp_PS1	J62	FUT_CC_LESP_PS1	OFF	1.9	0.4
;LAG PUMP						
;(all 4 pumps rotate in and out)						
MANNING_LAG_P2	MANNING_PS	J54	MANNING_P1_P2_P3_P4	OFF	3.98	3.7
;LEAD PUMP						
;(all 4 pumps rotate in and out)						
MANNING_LEAD_P1	MANNING_PS	J54	MANNING_P1_P2_P3_P4	OFF	3.35	2.6
;AUXILLARY PUMP 5/6 LEAD (pumps rotate in and out)						
MANNING_P5/6	MANNING_PS-AUX_WW	j700	MANNING_P5_P6	OFF	3.2	2.6
P3	BG_PS2	MH29	BG_PS2	OFF	1.89	1.86
PJ_CECILE_P1	PJCEC_PS	J59	CC_FUT_PJ_CECILE_PS1	OFF	2.2	1.224
SCULLY_P1	SCULLY_PS	J55	CC_SCULLY/ST.MARKS_MERGEDPS	OFF	2.775	1.65
WST_L_P1	WSTL_PS	OF1.1	FUT_CC_W_ST.LOUIS	OFF	1.161	0.39
WST_L_P2	WSTL_PS	OF1	FUT_CC_W_ST.LOUIS	OFF	1.68	0.732

[ORIFICES]

;;	Inlet	Outlet	Orifice	Crest	Disch.	Flap	Open/C
;;Name	Node	Node	Type	Height	Coeff.	Gate	Time
2044_1	STM3093	J612	SIDE	0.532	0.65	NO	0
C187_1	STM6246	J343	SIDE	0.3	0.65	NO	0
C198	J410	STM211	SIDE	0	0.65	NO	0
C272	J645	J647	SIDE	0	0.65	NO	0
CBLead_OR108	DD_J20602	MHEW3	SIDE	0	0.65	NO	0
;DEC_REV_STM							
CBLead_OR161	DD_J20604	MHEW4	SIDE	0	0.65	NO	0
CBLead_OR162	DD_J20606	MHEW5	SIDE	0	0.65	NO	0
CBLead_OR163	DD_J20608	MHEW6	SIDE	0	0.65	NO	0
CBLead_OR164	DD_J20610	MHEW7	SIDE	0	0.65	NO	0
CBLead_OR165	DD_J20612	MHEW8	SIDE	0	0.65	NO	0
CBLead_OR166	DD_J20614	MHRV3	SIDE	0	0.65	NO	0
CBLead_OR167	DD_J20616	MHRV2	SIDE	0	0.65	NO	0
CBLead_OR168	DD_J20620	MHA8	SIDE	0	0.65	NO	0
CBLead_OR169	DD_J20622	MHA7	SIDE	0	0.65	NO	0
CBLead_OR170	DD_J20624	MHA6	SIDE	0	0.65	NO	0
CBLead_OR171	DD_J20626	MHA5	SIDE	0	0.65	NO	0
CBLead_OR172	DD_J20628	MHA4	SIDE	0	0.65	NO	0
CBLead_OR173	DD_J20630	MHA3	SIDE	0	0.65	NO	0
CBLead_OR174	DD_J20632	MHA2	SIDE	0	0.65	NO	0
CBLead_OR175	DD_J20634	MHA1	SIDE	0	0.65	NO	0
CBLead_OR176	DD_J20636	MHA1A	SIDE	0	0.65	NO	0
CBLead_OR177	DD_J20613	MHRV4	SIDE	0	0.65	NO	0
CBLead_OR178	DD_J20639	MHSM7	SIDE	0	0.65	NO	0
CBLead_OR179	DD_J20641	MHSM6	SIDE	0	0.65	NO	0
CBLead_OR180	DD_J20643	MHSM5	SIDE	0	0.65	NO	0
CBLead_OR181	DD_J20645	MHSM4	SIDE	0	0.65	NO	0
CBLead_OR182	DD_J20647	MHSM3	SIDE	0	0.65	NO	0
CBLead_OR183	DD_J20649	MHSM2	SIDE	0	0.65	NO	0

CBLead_OR184	DD_J20651	MHSM1	SIDE	0	0.65	NO	0
CBLead_OR67	DD_J20598	MHEW1	SIDE	0	0.65	NO	0
CBLead_OR68	DD_J20618	MHRV1	SIDE	0	0.65	NO	0
CBLead_OR69	DD_J20600	MHEW2	SIDE	0	0.65	NO	0
CBOverflow_OR2861	DD_J20598	J24260	SIDE	1.55	0.65	NO	0
CBOverflow_OR2871	DD_J20598	J24064	SIDE	1.55	0.65	NO	0
CBOverflow_OR2881	DD_J20600	J20570	SIDE	1.55	0.65	NO	0
CBOverflow_OR2891	DD_J20600	J20781	SIDE	1.55	0.65	NO	0
CBOverflow_OR2901	DD_J20602	J19316	SIDE	1.55	0.65	NO	0
CBOverflow_OR2911	DD_J20602	J20360	SIDE	1.55	0.65	NO	0
CBOverflow_OR2921	DD_J20604	J17410	SIDE	1.55	0.65	NO	0
CBOverflow_OR2931	DD_J20604	J17411	SIDE	1.55	0.65	NO	0
CBOverflow_OR2941	DD_J20606	J15147	SIDE	1.55	0.65	NO	0
CBOverflow_OR2951	DD_J20606	J14944	SIDE	1.55	0.65	NO	0
CBOverflow_OR2961	DD_J20608	J14568	SIDE	1.55	0.65	NO	0
CBOverflow_OR2971	DD_J20608	J13991	SIDE	1.55	0.65	NO	0
CBOverflow_OR2981	DD_J20610	J11990	SIDE	1.55	0.65	NO	0
CBOverflow_OR2991	DD_J20610	J12156	SIDE	1.55	0.65	NO	0
CBOverflow_OR3001	DD_J20612	J11358	SIDE	1.55	0.65	NO	0
CBOverflow_OR3011	DD_J20612	J10900	SIDE	1.55	0.65	NO	0
CBOverflow_OR3021	DD_J20614	J11362	SIDE	1.55	0.65	NO	0
CBOverflow_OR3031	DD_J20614	J10590	SIDE	1.55	0.65	NO	0
CBOverflow_OR3041	DD_J20616	J11516	SIDE	1.55	0.65	NO	0
CBOverflow_OR3051	DD_J20616	J10901	SIDE	1.55	0.65	NO	0
CBOverflow_OR3061	DD_J20639	J12861	SIDE	1.55	0.65	NO	0
CBOverflow_OR3071	DD_J20639	J13242	SIDE	1.55	0.65	NO	0
CBOverflow_OR3081	DD_J20641	J14762	SIDE	1.55	0.65	NO	0
CBOverflow_OR3091	DD_J20641	J14761	SIDE	1.55	0.65	NO	0
CBOverflow_OR3101	DD_J20643	J15742	SIDE	1.55	0.65	NO	0
CBOverflow_OR3111	DD_J20643	J16998	SIDE	1.55	0.65	NO	0
CBOverflow_OR3121	DD_J20645	J17204	SIDE	1.55	0.65	NO	0
CBOverflow_OR3131	DD_J20645	J16997	SIDE	1.55	0.65	NO	0
CBOverflow_OR3141	DD_J20647	J19744	SIDE	1.55	0.65	NO	0
CBOverflow_OR3151	DD_J20647	J18894	SIDE	1.55	0.65	NO	0
CBOverflow_OR3161	DD_J20649	J20786	SIDE	1.55	0.65	NO	0
CBOverflow_OR3171	DD_J20649	J22468	SIDE	1.55	0.65	NO	0
CBOverflow_OR3181	DD_J20651	J22682	SIDE	1.55	0.65	NO	0
CBOverflow_OR3191	DD_J20651	J22683	SIDE	1.55	0.65	NO	0
CBOverflow_OR3201	DD_J20618	J11679	SIDE	1.55	0.65	NO	0
CBOverflow_OR3211	DD_J20618	J12167	SIDE	1.55	0.65	NO	0
CBOverflow_OR3221	DD_J20620	J13248	SIDE	1.55	0.65	NO	0
CBOverflow_OR3231	DD_J20620	J13425	SIDE	1.55	0.65	NO	0
CBOverflow_OR3241	DD_J20622	J15361	SIDE	1.55	0.65	NO	0
CBOverflow_OR3251	DD_J20622	J13813	SIDE	1.55	0.65	NO	0
CBOverflow_OR3261	DD_J20624	J16375	SIDE	1.55	0.65	NO	0
CBOverflow_OR3271	DD_J20624	J15560	SIDE	1.55	0.65	NO	0
CBOverflow_OR3281	DD_J20626	J17427	SIDE	1.55	0.65	NO	0
CBOverflow_OR3291	DD_J20626	J17426	SIDE	1.55	0.65	NO	0
CBOverflow_OR3301	DD_J20628	J19751	SIDE	1.55	0.65	NO	0
CBOverflow_OR3311	DD_J20628	J19548	SIDE	1.55	0.65	NO	0
CBOverflow_OR3321	DD_J20630	J22266	SIDE	1.55	0.65	NO	0
CBOverflow_OR3331	DD_J20630	J21634	SIDE	1.55	0.65	NO	0
CBOverflow_OR3341	DD_J20632	J24075	SIDE	1.55	0.65	NO	0
CBOverflow_OR3351	DD_J20632	J23489	SIDE	1.55	0.65	NO	0
CBOverflow_OR3361	DD_J20634	J25356	SIDE	1.55	0.65	NO	0
CBOverflow_OR3371	DD_J20634	J53044	SIDE	1.55	0.65	NO	0
CBOverflow_OR3381	DD_J20636	J26939	SIDE	1.55	0.65	NO	0
CBOverflow_OR3391	DD_J20636	J53133	SIDE	1.55	0.65	NO	0
CIP02	COMM102	STM1247	SIDE	0	0.65	NO	0
CIP03	COMM102	STM1247	SIDE	0	0.65	NO	0
CIP04	COMM102	STM1247	SIDE	0	0.65	NO	0
CIP05	COMM103	STM1246	SIDE	0	0.65	NO	0
CIP06	COMM103	STM1246	SIDE	0	0.65	NO	0
CIP07	COMM103	STM1246	SIDE	0	0.65	NO	0

CIP08	COMM103	STM1246	SIDE	0	0.65	NO	0
CIP09	COMM103	STM1246	SIDE	0	0.65	NO	0
CIP10	COMM103	STM1246	SIDE	0	0.65	NO	0
CIP11	COMM103	STM1246	SIDE	0	0.65	NO	0
CIP12	COMM104	STM1255	SIDE	0	0.65	NO	0
CIP13	COMM104	STM1255	SIDE	0	0.65	NO	0
CIP14	COMM104	STM1255	SIDE	0	0.65	NO	0
CIP15	COMM105	STM1275	SIDE	0	0.65	NO	0
CIP16	COMM105	STM1275	SIDE	0	0.65	NO	0
CIP17	COMM105	STM1275	SIDE	0	0.65	NO	0
CIP18	COMM106	STM1582	SIDE	0	0.65	NO	0
CIP19	COMM106	STM1274	SIDE	0	0.65	NO	0
CIP20	COMM107	STM1582	SIDE	0	0.65	NO	0
CIP23	COMM109	STM1626	SIDE	0	0.65	NO	0
CIP26	J67	STM1619	SIDE	0	0.65	NO	0
CIP27	J67	STM1582	SIDE	0	0.65	NO	0
CIP28	J68	STM1582	SIDE	0.548	0.65	NO	0
CIP29	J69	STM1266	SIDE	0	0.65	NO	0
CIP30	COMM109	STM1626	SIDE	0	0.65	NO	0
CIP32	SU11	J81	SIDE	0	0.65	NO	0
CIP33	SU8	STM1255	SIDE	0	0.65	NO	0
CIP36	J69	STM1266	SIDE	0	0.65	NO	0
Coro_OR1672	Coro_J38	C3	SIDE	0	0.65	NO	0
Coro_OR1673	Coro_J2149	BD3	SIDE	0	0.65	NO	0
Coro_OR1674	Coro_J2266	D2	SIDE	0	0.65	NO	0
Coro_OR2898	Coro_J2319	D3	SIDE	0	0.65	NO	0
Coro_OR2899	Coro_J2264	STM1143	SIDE	0	0.65	NO	0
Coro_OR2900	Coro_J2151	STM1151	SIDE	0	0.65	NO	0
Coro_OR2901	Coro_J2315	C4	SIDE	0	0.65	NO	0
Coro_OR2902	Coro_J2312	C4	SIDE	0	0.65	NO	0
Coro_OR2903	Coro_J2440	C2	SIDE	0	0.65	NO	0
Coro_OR2904	Coro_J2481	C1	SIDE	0	0.65	NO	0
Coro_OR2905	Coro_J2438	M1	SIDE	0	0.65	NO	0
Coro_OR2906	Coro_J2439	M2	SIDE	0	0.65	NO	0
Coro_OR2907	Coro_J2413	BD1	SIDE	0	0.65	NO	0
Coro_OR2908	Coro_J2404	BD2	SIDE	0	0.65	NO	0
Coro_OR2909	Coro_J2321	BD4	SIDE	0	0.65	NO	0
Coro_OR2910	Coro_J2324	BD4	SIDE	0	0.65	NO	0
Coro_OR2911	Coro_J2491	B1	SIDE	0	0.65	NO	0
Coro_OR2913	Coro_J2495	B2	SIDE	0	0.65	NO	0
Coro_OR2914	Coro_J2497	B3	SIDE	0	0.65	NO	0
Coro_OR2915	Coro_J2499	B4	SIDE	0	0.65	NO	0
Coro_OR2916	Coro_J2501	B5	SIDE	0	0.65	NO	0
Coro_OR2917	Coro_J2401	STM1143	SIDE	0	0.65	NO	0
Coro_OR2918	Coro_J2399	C2	SIDE	0	0.65	NO	0
Coro_OR2919	Coro_J32	K1.1	SIDE	0	0.65	NO	0
Coro_OR2920	Coro_J2222	K1.2	SIDE	0	0.65	NO	0
Coro_OR641	Coro_J33	K1.2	SIDE	0	0.65	NO	0
Meander_OR141	Meander_CB245_287	Meander_STM1735	SIDE	0	0.65	NO	0
Meander_OR1600	Meander_J2139	Meander_STM1712	SIDE	0	0.65	NO	0
Meander_OR1601	Meander_J2136	Meander_STM1958	SIDE	0	0.65	NO	0
Meander_OR400	Meander_CB286_244	Meander_STM1734	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH10-IC	MH10-S	MH10	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH11-IC	MH11-S	MH11	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH12-IC	MH12-S	MH12	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH13-IC	MH13-S	MH13	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH14-IC	MH14-S	MH14	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
MH15-IC	MH15-S	MH15	SIDE	0	0.65	NO	0

;Changed from CICB inlets to CB lead								
MH17-IC	MH17-S	MH17	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
MH18-IC	MH18-S	MH18	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
MH19-IC	MH19-S	MH19	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
MH2-IC	MH2-S	MH2	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
MH4-IC	MH4-S	MH4	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
MH6-IC	MH6-S	MH6	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
MH7-IC	MH7-S	MH7	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
MH8-IC	MH8-S	MH8	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
MH9-IC	MH9-S	MH9	SIDE	0	0.65	NO	0	
NP_OR1601	NP_J9321	ANNE_NP1	SIDE	0	0.65	NO	0	
NP_OR1611	NP_J9341	ANNE_NP2	SIDE	0	0.65	NO	0	
NP_OR2001	NP_J9321	J47148	SIDE	1.55	0.65	NO	0	
NP_OR2011	NP_J9321	J47009	SIDE	1.55	0.65	NO	0	
NP_OR2021	NP_J9341	J47013	SIDE	1.55	0.65	NO	0	
NP_OR2031	NP_J9341	J47155	SIDE	1.55	0.65	NO	0	
OR1	DD_J56	J24442	SIDE	0	0.65	NO	0	
OR10	J641	STM458	SIDE	0	0.65	NO	0	
OR100	CB121_325	STM1871	SIDE	0	0.65	NO	0	
OR1000	J65	J425	SIDE	0	0.65	NO	0	
OR10001	J285	J34836	BOTTOM	1.357	0.65	NO	0	
OR1001	J52	J425	SIDE	0	0.65	NO	0	
OR10011	J286	J46078	BOTTOM	1.604	0.65	NO	0	
OR1002	CB1630_1521	STM2249	SIDE	0.134	0.65	NO	0	
OR10021	J29	J46324	BOTTOM	1.489	0.65	NO	0	
OR1003	J66	STM2243	SIDE	0.081	0.65	NO	0	
OR10031	J173	J38733	BOTTOM	1.413	0.65	NO	0	
OR1004	J373	J70	SIDE	0	0.65	NO	0	
OR10041	J287	J38391	BOTTOM	1.4	0.65	NO	0	
OR1005	J374	J375	SIDE	0.267	0.65	NO	0	
OR10051	J288	J38617	BOTTOM	1.4	0.65	NO	0	
OR1006	J376	J377	SIDE	0	0.65	NO	0	
OR10061	J289	J38623	BOTTOM	1.552	0.65	NO	0	
OR1007	J376	J377	SIDE	0	0.65	NO	0	
OR10071	J290	J37519	BOTTOM	2.58	0.65	NO	0	
OR1008	CB4316_402	J379	SIDE	0	0.65	NO	0	
OR10081	J291	J38146	BOTTOM	1.348	0.65	NO	0	
OR1009	CB4316_402	J379	SIDE	0	0.65	NO	0	
OR10091	J292	J37767	BOTTOM	0.225	0.65	NO	0	
OR101	CB173_174	STM1896	SIDE	0	0.65	NO	0	
OR1010	J380	J377	SIDE	0	0.65	NO	0	
OR10101	J293	J37733	BOTTOM	1.778	0.65	NO	0	
OR1011	J331	STM3073	SIDE	0	0.65	NO	0	
OR10111	J294	J37473	BOTTOM	1.48	0.65	NO	0	
OR1012	CB4211	STM489	SIDE	0	0.65	NO	0	
OR10121	J295	J36826	BOTTOM	2.122	0.65	NO	0	
OR1013	CB4211	STM574	SIDE	0	0.65	NO	0	
OR10131	J296	J36551	BOTTOM	1.563	0.65	NO	0	
OR1014	J382	STM589	SIDE	0	0.65	NO	0	
OR10141	J297	J36688	BOTTOM	1.503	0.65	NO	0	
OR1015	J382	STM589	SIDE	0	0.65	NO	0	
OR10151	J298	J36679	BOTTOM	2.017	0.65	NO	0	
OR1016	J383	STM583	SIDE	0	0.65	NO	0	
OR10161	J301	J35963	BOTTOM	1.406	0.65	NO	0	
OR1017	J384	STM583	SIDE	0	0.65	NO	0	
OR10171	J302	J36953	BOTTOM	1.448	0.65	NO	0	

OR1018	J385	STM582	SIDE	0	0.65	NO	0
OR10181	J303	J36267	BOTTOM	1.432	0.65	NO	0
OR1019	J386	STM582	SIDE	0	0.65	NO	0
OR10191	J304	J37477	BOTTOM	1.581	0.65	NO	0
OR102	CB175_106	STM1888	SIDE	0	0.65	NO	0
OR10201	J305	J35473	BOTTOM	1.461	0.65	NO	0
OR1021	J388	STM489	SIDE	0	0.65	NO	0
OR10211	J306	J34305	BOTTOM	1.455	0.65	NO	0
OR1022	CB594_200	STM622	SIDE	0	0.65	NO	0
OR10221	J307	J32721	BOTTOM	1.485	0.65	NO	0
OR1023	CB185_226	STM547	SIDE	0	0.65	NO	0
OR10231	J308	J35111	BOTTOM	1.435	0.65	NO	0
OR1024	CB184_225	STM547	SIDE	0	0.65	NO	0
OR10241	J309	J34309	BOTTOM	1.552	0.65	NO	0
OR1025	CB184_225	STM547	SIDE	0	0.65	NO	0
OR10251	J310	J34098	BOTTOM	1.425	0.65	NO	0
OR1026	CB185_226	STM547	SIDE	0	0.65	NO	0
OR10261	J311	J31194	BOTTOM	1.515	0.65	NO	0
OR1027	CB183_224	STM548	SIDE	0	0.65	NO	0
OR10271	J312	J31717	BOTTOM	1.472	0.65	NO	0
OR1028	CB183_224	STM548	SIDE	0	0.65	NO	0
OR10281	J314	J38033	BOTTOM	1.697	0.65	NO	0
;continuous grade							
OR1029	CB180_221	STM560	SIDE	0	0.65	NO	0
OR10291	J315	J36246	BOTTOM	1.436	0.65	NO	0
;continuous grade							
OR103	CB117_321	STM342	SIDE	0	0.65	NO	0
;continuous grade							
OR1030	CB180_221	STM564	SIDE	0	0.65	NO	0
OR10301	J316	J37335	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR1031	J390	STM573	SIDE	0	0.65	NO	0
OR10311	J317	J18463	BOTTOM	1.424	0.65	NO	0
;continuous grade							
OR1032	J390	STM573	SIDE	0	0.65	NO	0
OR10321	J318	J29781	BOTTOM	1.531	0.65	NO	0
;continuous grade							
OR1033	J389	STM572	SIDE	0	0.65	NO	0
OR10331	J319	J29127	BOTTOM	1.509	0.65	NO	0
;continuous grade							
OR1034	J389	STM572	SIDE	0	0.65	NO	0
OR10341	COMM104	J28697	BOTTOM	1.4	0.65	NO	0
OR1035	CB608_213	STM572	SIDE	0	0.65	NO	0
OR10351	COMM105	J28259	BOTTOM	1.657	0.65	NO	0
OR1036	CB608_213	STM572	SIDE	0	0.65	NO	0
OR10361	COMM106	J28253	BOTTOM	1.543	0.65	NO	0
OR1037	CB275_644	STM1502	SIDE	0	0.65	NO	0
OR10371	COMM107	J28677	BOTTOM	1.4	0.65	NO	0
OR1038	CB275_644	STM1502	SIDE	0	0.65	NO	0
OR10381	COMM108	J28055	BOTTOM	1.912	0.65	NO	0
;continuous grade							
OR1039	J391	STM1502	SIDE	0	0.65	NO	0
OR10391	COMM109	J28051	BOTTOM	1.454	0.65	NO	0
OR104	CB118_322	STM1568	SIDE	0	0.65	NO	0
;continuous grade							
OR1040	J391	STM1502	SIDE	0	0.65	NO	0
OR10401	SU11	J30710	BOTTOM	1.469	0.65	NO	0
OR1041	J392	STM785	SIDE	0	0.65	NO	0
OR10411	SU8	J30706	BOTTOM	1.421	0.65	NO	0
OR1042	J392	STM785	SIDE	0	0.65	NO	0
OR10421	PERV	J29801	BOTTOM	4.44	0.65	NO	0
OR1043	J393	STM785	SIDE	0	0.65	NO	0
OR10431	J324	J32508	BOTTOM	1.952	0.65	NO	0
OR1044	J393	STM785	SIDE	0	0.65	NO	0

OR10441	J325	J32261	BOTTOM	1.461	0.65	NO	0
OR1045	J394	STM1775	SIDE	0	0.65	NO	0
OR10451	J326	J30972	BOTTOM	1.495	0.65	NO	0
OR1046	J395	STM1775	SIDE	0	0.65	NO	0
OR10461	J328	J29615	BOTTOM	1.542	0.65	NO	0
OR1047	CB629_4226	STM1775	SIDE	0	0.65	NO	0
OR10471	J329	J30980	BOTTOM	1.479	0.65	NO	0
OR1048	J396	STM1777	SIDE	0	0.65	NO	0
OR10481	J330	J32765	BOTTOM	1.4	0.65	NO	0
OR1049	J401	STM835	SIDE	0	0.65	NO	0
OR10491	J331	J31287	BOTTOM	1.08	0.65	NO	0
OR105	CB119_120	STM2480	SIDE	0	0.65	NO	0
;continuous grade							
OR1050	CB1159	STM244	SIDE	0	0.65	NO	0
OR10501	J332	J31549	BOTTOM	1.038	0.65	NO	0
OR1051	CB4396_4397	STM177	SIDE	0	0.65	NO	0
OR10511	J333	J33518	BOTTOM	0.889	0.65	NO	0
OR1052	CB4396_4397	STM177	SIDE	0	0.65	NO	0
OR10521	J334	J35013	BOTTOM	1.085	0.65	NO	0
OR1053	CB1160_1246	STM257	SIDE	0	0.65	NO	0
OR10531	J335	J34810	BOTTOM	1.063	0.65	NO	0
OR1054	CB1160_1246	STM257	SIDE	0	0.65	NO	0
OR10541	J336	J33282	BOTTOM	1.243	0.65	NO	0
;continuous grade							
OR1055	CB1161	J402	SIDE	0	0.65	NO	0
OR10551	J337	J38627	BOTTOM	1.658	0.65	NO	0
OR1056	CB1325	STM19	SIDE	0	0.65	NO	0
OR10561	J339	J36582	BOTTOM	1.796	0.65	NO	0
OR1057	CB1325	STM19	SIDE	0	0.65	NO	0
OR10571	J340	J37259	BOTTOM	1.401	0.65	NO	0
OR1058	CB1326	STM713	SIDE	0	0.65	NO	0
OR10581	J341	J36589	BOTTOM	1.503	0.65	NO	0
OR1059	CB1326	STM713	SIDE	0	0.65	NO	0
OR10591	J342	J35837	BOTTOM	1.4	0.65	NO	0
OR106	CB201_202	STM672	SIDE	0	0.65	NO	0
OR1060	CB1377	STM1431	SIDE	0	0.65	NO	0
OR10601	J344	J35503	BOTTOM	1.663	0.65	NO	0
OR1061	CB1382	STM1460	SIDE	0	0.65	NO	0
OR10611	J345	J37380	BOTTOM	1.468	0.65	NO	0
OR1062	CB1384	STM1460	SIDE	0	0.65	NO	0
OR10621	J346	J36008	BOTTOM	1.405	0.65	NO	0
OR1063	CB1385	STM1438	SIDE	0	0.65	NO	0
OR10631	J347	J35502	BOTTOM	1.581	0.65	NO	0
OR1064	CB1386	STM1437	SIDE	0	0.65	NO	0
OR10641	J348	J34352	BOTTOM	1.671	0.65	NO	0
OR1065	CB1628_1629	STM3083	SIDE	0.062	0.65	NO	0
OR10651	J353	J36003	BOTTOM	2.261	0.65	NO	0
OR1066	CB1628_1629	STM3083	SIDE	0.062	0.65	NO	0
OR10661	J354	J34556	BOTTOM	1.495	0.65	NO	0
OR1067	CB976	STM3081	SIDE	0	0.65	NO	0
OR10671	J355	J35325	BOTTOM	1.592	0.65	NO	0
OR1068	CB1970	J95	SIDE	0	0.65	NO	0
OR10681	J356	J35832	BOTTOM	1.516	0.65	NO	0
OR1069	J95	STM2224	SIDE	0	0.65	NO	0
OR10691	J357	J36577	BOTTOM	1.761	0.65	NO	0
;continuous grade							
OR107	CB169	STM1572	SIDE	0	0.65	NO	0
OR1070	CB5357_5356	STM7176	SIDE	0	0.65	NO	0
OR10701	J358	J37118	BOTTOM	1.501	0.65	NO	0
OR1071	CB5357_5356	STM7183	SIDE	0	0.65	NO	0
OR10711	J359	J34341	BOTTOM	1.4	0.65	NO	0
OR1072	CB1983_1928	STM2981	SIDE	0	0.65	NO	0
OR10721	J360	J34127	BOTTOM	1.538	0.65	NO	0
OR1073	CB1983_1928	STM2981	SIDE	0	0.65	NO	0

OR10731	J361	J33919	BOTTOM	1.604	0.65	NO	0
OR1074	CB1997_1992	STM3308	SIDE	0	0.65	NO	0
OR10741	J362	J33704	BOTTOM	1.463	0.65	NO	0
OR1075	CB2036_5355	STM7174	SIDE	0	0.65	NO	0
OR10751	J364	J34591	BOTTOM	1.165	0.65	NO	0
OR1076	CB2036_5355	STM7174	SIDE	0	0.65	NO	0
OR10761	J366	J34594	BOTTOM	1.471	0.65	NO	0
OR1077	CB37	STM4059	SIDE	0	0.65	NO	0
OR10771	J367	J35870	BOTTOM	1.4	0.65	NO	0
OR1078	CB42	STM1038	SIDE	0	0.65	NO	0
OR10781	J368	J36037	BOTTOM	1.491	0.65	NO	0
OR1079	CB41_40	STM1032	SIDE	0	0.65	NO	0
OR10791	J369	J33702	BOTTOM	1.418	0.65	NO	0
;continuous grade							
OR108	CB170_101	STM1572	SIDE	0	0.65	NO	0
OR1080	J404	STM1038	SIDE	0	0.65	NO	0
OR10801	J371	J30253	BOTTOM	2.519	0.65	NO	0
OR1081	CB82_27	STM285	SIDE	0	0.65	NO	0
OR10811	J372	J31244	BOTTOM	1.414	0.65	NO	0
OR1082	CB82_27	STM17	SIDE	0	0.65	NO	0
OR10821	J3	J30742	BOTTOM	1.481	0.65	NO	0
OR1083	J122	STM4137	SIDE	0	0.65	NO	0
OR10831	J45	J30506	BOTTOM	1.847	0.65	NO	0
OR1084	StGregsMajor_J50225	STM3468	SIDE	0	0.65	NO	0
OR10841	J16	J30509	BOTTOM	1.453	0.65	NO	0
OR1085	J123	STM4137	SIDE	0	0.65	NO	0
OR10851	J52	J29419	BOTTOM	1.442	0.65	NO	0
OR1086	J400	STM773	SIDE	0	0.65	NO	0
OR10861	J65	J29420	BOTTOM	1.4	0.65	NO	0
OR1087	J400	STM773	SIDE	0	0.65	NO	0
OR10871	J66	J34605	BOTTOM	1.225	0.65	NO	0
OR1088	J406	J407	SIDE	0	0.65	NO	0
OR10881	J373	J36204	BOTTOM	1.56	0.65	NO	0
OR1089	J406	J407	SIDE	0	0.65	NO	0
OR10891	J374	J36344	BOTTOM	1.566	0.65	NO	0
OR109	CB171_172	STM7002	SIDE	0	0.65	NO	0
OR1090	J398	J407	SIDE	0	0.65	NO	0
OR10901	J376	J26024	BOTTOM	1.742	0.65	NO	0
OR1091	J399	STM762	SIDE	0	0.65	NO	0
OR10911	J380	J26233	BOTTOM	1.557	0.65	NO	0
OR1092	J96	STM7174	SIDE	0	0.65	NO	0
OR1093	CB452_451	STM693	SIDE	0	0.65	NO	0
OR10931	J382	J27404	BOTTOM	1.422	0.65	NO	0
OR1094	CB452_451	STM693	SIDE	0	0.65	NO	0
OR10941	J383	J26472	BOTTOM	1.419	0.65	NO	0
OR1095	CB457_4216	STM693	SIDE	0	0.65	NO	0
OR10951	J384	J25250	BOTTOM	1.577	0.65	NO	0
OR1096	CB457_4216	STM693	SIDE	0	0.65	NO	0
OR10961	J385	J25250	BOTTOM	1.41	0.65	NO	0
;continuous grade							
OR1097	CB658_887	STM253	SIDE	0	0.65	NO	0
OR10971	J386	J24713	BOTTOM	1.516	0.65	NO	0
OR1098	J415	J409	SIDE	0	0.65	NO	0
OR10981	J387	J24892	BOTTOM	1.461	0.65	NO	0
OR1099	J415	J409	SIDE	0	0.65	NO	0
OR10991	J388	J25241	BOTTOM	1.415	0.65	NO	0
;Original Design Restriction to 62 L/s							
OR11	CB_MCD	STM3604	SIDE	0	0.65	NO	0
OR110	CB601	STM98	SIDE	0	0.65	NO	0
OR1100	J416	STM113.2	SIDE	0	0.65	NO	0
OR11001	J389	J13494	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR1101	CB363_364	STM113.2	SIDE	0	0.65	NO	0
OR11011	J390	J14847	BOTTOM	1.621	0.65	NO	0

OR1102	J417	STM113.2	SIDE	0	0.65	NO	0
OR11021	J391	J13691	BOTTOM	1.463	0.65	NO	0
OR1103	J418	J378	SIDE	0	0.65	NO	0
OR11031	J392	J14467	BOTTOM	1.422	0.65	NO	0
OR1104	J419	STM116.1	SIDE	0	0.65	NO	0
OR11041	J393	J15042	BOTTOM	1.425	0.65	NO	0
OR1105	J421	STM7083	SIDE	0	0.65	NO	0
OR11051	J394	J12041	BOTTOM	1.4	0.65	NO	0
OR1106	J420	STM7083	SIDE	0	0.65	NO	0
OR11061	J395	J12043	BOTTOM	1.48	0.65	NO	0
OR1107	J422	STM662	SIDE	0	0.65	NO	0
OR11071	J396	J11887	BOTTOM	1.548	0.65	NO	0
OR1108	J422	STM662	SIDE	0	0.65	NO	0
OR11081	J397	J16885	BOTTOM	1.62	0.65	NO	0
OR1109	J423	STM630	SIDE	0	0.65	NO	0
OR11091	J398	J15659	BOTTOM	1.726	0.65	NO	0
OR111	CB600_206	STM630	SIDE	0	0.65	NO	0
OR1110	J423	STM630	SIDE	0	0.65	NO	0
OR11101	J399	J14684	BOTTOM	1.742	0.65	NO	0
OR1111	J424	STM631	SIDE	0	0.65	NO	0
OR11111	J400	J16259	BOTTOM	1.461	0.65	NO	0
OR1112	J430	STM3790	SIDE	0	0.65	NO	0
OR11121	J401	J14112	BOTTOM	1.4	0.65	NO	0
OR1113	J431	J427	SIDE	0	0.65	NO	0
OR11131	J403	J1227	BOTTOM	5.032	0.65	NO	0
OR1114	J433	STM1559	SIDE	0	0.65	NO	0
OR11141	J404	J984	BOTTOM	1.538	0.65	NO	0
OR1115	J432	STM1559	SIDE	0	0.65	NO	0
OR11151	J406	J16064	BOTTOM	1.715	0.65	NO	0
OR1116	CB348_149	STM298	SIDE	0	0.65	NO	0
OR11161	J407	J15857	BOTTOM	2.106	0.65	NO	0
OR1117	J434	STM1279	SIDE	0	0.65	NO	0
OR11171	J408	J27206	BOTTOM	1.544	0.65	NO	0
OR1118	J436	STM1088	SIDE	0	0.65	NO	0
OR11181	J409	J27201	BOTTOM	3.062	0.65	NO	0
OR1119	J437	STM1107	SIDE	0	0.65	NO	0
OR11191	J410	J26638	BOTTOM	1.594	0.65	NO	0
OR112	CB217_610	STM573	SIDE	0	0.65	NO	0
OR1120	J438	STM319	SIDE	0	0.65	NO	0
OR11201	J411	J28717	BOTTOM	1.423	0.65	NO	0
OR1121	J439	J12	SIDE	0	0.65	NO	0
OR11211	J412	J28500	BOTTOM	1.499	0.65	NO	0
OR1122	J440	J403	SIDE	0	0.65	NO	0
OR11221	J413	J28500	BOTTOM	1.499	0.65	NO	0
OR1123	J441	STM19	SIDE	0	0.65	NO	0
OR11231	J414	J28715	BOTTOM	1.421	0.65	NO	0
OR1124	J442	STM654	SIDE	0	0.65	NO	0
OR11241	J415	J27382	BOTTOM	1.69	0.65	NO	0
OR1125	J442	STM654	SIDE	0	0.65	NO	0
OR11251	J416	J26246	BOTTOM	1.425	0.65	NO	0
OR1126	J443	STM601	SIDE	0	0.65	NO	0
OR11261	J417	J25833	BOTTOM	1.487	0.65	NO	0
OR1127	J443	STM601	SIDE	0	0.65	NO	0
OR11271	J418	J25043	BOTTOM	1.488	0.65	NO	0
OR1128	J444	STM601	SIDE	0	0.65	NO	0
OR11281	J419	J24116	BOTTOM	2.18	0.65	NO	0
OR1129	J444	STM601	SIDE	0	0.65	NO	0
OR11291	J420	J23535	BOTTOM	1.4	0.65	NO	0
OR113	CB217_610	STM573	SIDE	0	0.65	NO	0
OR1130	CB621_260	STM602	SIDE	0	0.65	NO	0
OR11301	J421	J22730	BOTTOM	1.4	0.65	NO	0
OR1131	J445	STM616	SIDE	0	0.65	NO	0
OR11311	J422	J17498	BOTTOM	1.554	0.65	NO	0
OR1132	J445	STM616	SIDE	0	0.65	NO	0

OR11321	J423	J15828	BOTTOM	1.487	0.65	NO	0
OR1133	J446	STM616	SIDE	0	0.65	NO	0
OR11331	J424	J13680	BOTTOM	1.504	0.65	NO	0
OR1134	J446	STM616	SIDE	0	0.65	NO	0
OR11341	J426	J12390	BOTTOM	1.653	0.65	NO	0
OR1135	CB458_647	STM694	SIDE	0	0.65	NO	0
OR11351	J428	J11394	BOTTOM	3.135	0.65	NO	0
OR1136	CB458_647	STM694	SIDE	0	0.65	NO	0
OR11361	J430	J11861	BOTTOM	1.064	0.65	NO	0
OR1137	CB459_648	STM708	SIDE	0	0.65	NO	0
OR11371	J431	J11706	BOTTOM	1.596	0.65	NO	0
OR1138	CB459_648	STM708	SIDE	0	0.65	NO	0
OR11381	J432	J5792	BOTTOM	1.475	0.65	NO	0
OR1139	CB460_461	STM727	SIDE	0	0.65	NO	0
OR11391	J433	J7074	BOTTOM	1.609	0.65	NO	0
OR114	CB219_218	STM573	SIDE	0	0.65	NO	0
OR1140	CB460_461	STM727	SIDE	0	0.65	NO	0
OR11401	J434	J3902	BOTTOM	1.465	0.65	NO	0
OR1141	J447	STM540	SIDE	0	0.65	NO	0
OR11411	J435	J4232	BOTTOM	1.425	0.65	NO	0
OR1142	J448	STM296	SIDE	0	0.65	NO	0
OR11421	J436	J3394	BOTTOM	1.403	0.65	NO	0
OR1143	J449	STM296	SIDE	0	0.65	NO	0
OR11431	J437	J1855	BOTTOM	1.675	0.65	NO	0
OR1144	J450	STM727	SIDE	0	0.65	NO	0
OR11441	J438	J4680	BOTTOM	1.4	0.65	NO	0
OR1145	J449	STM296	SIDE	0	0.65	NO	0
OR11451	J439	J2830	BOTTOM	1.535	0.65	NO	0
OR1146	J449	STM296	SIDE	0	0.65	NO	0
OR11461	J440	J1113	BOTTOM	1.4	0.65	NO	0
OR1147	J450	STM727	SIDE	0	0.65	NO	0
OR11471	J441	J1116	BOTTOM	1.532	0.65	NO	0
OR1148	J451	STM3086	SIDE	0	0.65	NO	0
OR11481	J442	J9498	BOTTOM	1.578	0.65	NO	0
OR1149	CB8337_8336	STM1778	SIDE	0	0.65	NO	0
OR11491	J443	J8282	BOTTOM	1.493	0.65	NO	0
OR115	CB639_640	STM785	SIDE	0	0.65	NO	0
OR1150	CB4292_4291	STM5887	SIDE	0	0.65	NO	0
OR11501	J444	J7830	BOTTOM	1.535	0.65	NO	0
OR1151	J456	STM1739	SIDE	0	0.65	NO	0
OR11511	J445	J4925	BOTTOM	1.417	0.65	NO	0
OR1152	J454	J466	SIDE	0	0.65	NO	0
OR11521	J446	J3921	BOTTOM	1.629	0.65	NO	0
OR1153	J458	J465	SIDE	0	0.65	NO	0
OR11531	J448	J1300	BOTTOM	1.564	0.65	NO	0
OR1154	J459	J465	SIDE	0	0.65	NO	0
OR11541	J447	J1651	BOTTOM	2.066	0.65	NO	0
OR1155	J467	J471	SIDE	0	0.65	NO	0
OR11551	J449	J1184	BOTTOM	1.4	0.65	NO	0
OR1156	J468	J471	SIDE	0	0.65	NO	0
OR11561	J450	J1179	BOTTOM	1.574	0.65	NO	0
OR1157	J469	J470	SIDE	0	0.65	NO	0
OR11571	J451	J16688	BOTTOM	1.4	0.65	NO	0
OR1158	J473	STM2133	SIDE	0	0.65	NO	0
OR11581	J453	J9827	BOTTOM	1.426	0.65	NO	0
OR1159	J474	STM2138	SIDE	0	0.65	NO	0
OR11591	J454	J10331	BOTTOM	1.42	0.65	NO	0
OR116	CB639_640	STM785	SIDE	0	0.65	NO	0
OR1160	J475	STM2133	SIDE	0	0.65	NO	0
OR11601	J456	J9203	BOTTOM	1.732	0.65	NO	0
OR1161	J472	STM2129	SIDE	0	0.65	NO	0
OR11611	J457	J9354	BOTTOM	1.61	0.65	NO	0
OR1162	J476	STM2665	SIDE	0	0.65	NO	0
OR11621	J458	J10820	BOTTOM	1.457	0.65	NO	0

OR1163	J477	STM2665	SIDE	0	0.65	NO	0
OR11631	J459	J10978	BOTTOM	1.4	0.65	NO	0
OR1164	J478	STM2677	SIDE	0	0.65	NO	0
OR11641	J460	J8925	BOTTOM	1.726	0.65	NO	0
OR1165	CB542	STM2677	SIDE	0	0.65	NO	0
OR11651	J461	J11736	BOTTOM	1.476	0.65	NO	0
;continuous grade							
OR1166	CB546_449	STM1707	SIDE	0	0.65	NO	0
OR11661	J462	J11425	BOTTOM	1.317	0.65	NO	0
OR1167	CB545_448	STM2296	SIDE	0	0.65	NO	0
OR11671	J463	J9674	BOTTOM	1.438	0.65	NO	0
OR1168	CB520	STM2300	SIDE	0	0.65	NO	0
OR11681	J465	J8917	BOTTOM	1.412	0.65	NO	0
OR1169	CB543_445	STM1022	SIDE	0	0.65	NO	0
OR11691	J466	J8910	BOTTOM	1.5	0.65	NO	0
;continuous grade							
OR117	CB220_179	STM564	SIDE	0	0.65	NO	0
OR1170	CB306A	STM1240	SIDE	0	0.65	NO	0
OR11701	J467	J8582	BOTTOM	1.4	0.65	NO	0
OR1171	J481	STM1705	SIDE	0	0.65	NO	0
OR11711	J468	J8135	BOTTOM	1.4	0.65	NO	0
OR1172	J480	STM1705	SIDE	0	0.65	NO	0
OR11721	J469	J7538	BOTTOM	1.4	0.65	NO	0
OR1173	J479	STM1705	SIDE	0	0.65	NO	0
OR11731	J472	J6250	BOTTOM	1.4	0.65	NO	0
;SCHOOL INLETS							
OR1174	J488	STM7080	SIDE	0	0.65	NO	0
OR11741	J473	J6970	BOTTOM	2.01	0.65	NO	0
;SCHOOL INLETS							
OR1175	J489	STM7080	SIDE	0	0.65	NO	0
OR11751	J474	J6976	BOTTOM	1.493	0.65	NO	0
OR1176	J490	J491	SIDE	0	0.65	NO	0
OR11761	J475	J6533	BOTTOM	1.829	0.65	NO	0
OR1177	J498	J27	SIDE	0	0.65	NO	0
OR11771	J476	J8458	BOTTOM	1.674	0.65	NO	0
;ASSUMED							
OR1178	J492	STM1742	SIDE	0	0.65	NO	0
OR11781	J477	J8319	BOTTOM	1.651	0.65	NO	0
OR1179	J494	STM876	SIDE	0	0.65	NO	0
OR11791	J478	J7274	BOTTOM	1.424	0.65	NO	0
;continuous grade							
OR118	CB220_179	STM564	SIDE	0	0.65	NO	0
OR1180	J493	STM876	SIDE	0	0.65	NO	0
OR11801	J479	J4936	BOTTOM	1.47	0.65	NO	0
OR1181	J496	STM870	SIDE	0	0.65	NO	0
OR11811	J480	J4696	BOTTOM	1.401	0.65	NO	0
OR1182	J497	STM870	SIDE	0	0.65	NO	0
OR11821	J481	J4457	BOTTOM	1.547	0.65	NO	0
OR1183	J499	STM871	SIDE	0	0.65	NO	0
OR1184	J500	STM4237	SIDE	0	0.65	NO	0
OR1185	CB683_682	J612	SIDE	0	0.65	NO	0
OR11851	J498	J2658	BOTTOM	1.416	0.65	NO	0
OR1186	J503	STM1826	SIDE	0	0.65	NO	0
OR1187	J506	STM848	SIDE	0	0.65	NO	0
OR1188	J507	STM843	SIDE	0	0.65	NO	0
OR1189	J509	STM2498	SIDE	0	0.65	NO	0
OR119	CB181_222	STM560	SIDE	0	0.65	NO	0
OR11911	J488	J2751	BOTTOM	1.506	0.65	NO	0
OR1192	J512	STM2538	SIDE	0	0.65	NO	0
OR11921	J489	J2753	BOTTOM	1.749	0.65	NO	0
OR1193	J513	J516	SIDE	0	0.65	NO	0
OR11931	J490	J2563	BOTTOM	1.481	0.65	NO	0
OR1194	J515	J516	SIDE	0	0.65	NO	0
OR11941	J491	J2477	BOTTOM	1.62	0.65	NO	0

OR1195	J514	J516	SIDE	0	0.65	NO	0
OR11951	J492	J12412	BOTTOM	1.4	0.65	NO	0
OR1196	J511	STM2538	SIDE	0	0.65	NO	0
OR11961	J493	J22779	BOTTOM	1.613	0.65	NO	0
OR1197	CB544_446	STM1022	SIDE	0	0.65	NO	0
OR11971	J494	J22161	BOTTOM	1.428	0.65	NO	0
OR1198	CB850	STM1021	SIDE	0	0.65	NO	0
OR11981	J496	J23372	BOTTOM	1.4	0.65	NO	0
OR1199	CB852_851	STM52	SIDE	0	0.65	NO	0
OR11991	J497	J23582	BOTTOM	1.4	0.65	NO	0
OR12	CB_COMM1	STM993	SIDE	0	0.65	NO	0
OR120	CB181_222	STM560	SIDE	0	0.65	NO	0
OR1200	CB854_853	STM1062	SIDE	0	0.65	NO	0
OR12001	J499	J23381	BOTTOM	1.43	0.65	NO	0
OR1201	J519	STM1003	SIDE	0	0.65	NO	0
OR12011	J500	J23181	BOTTOM	1.402	0.65	NO	0
OR1202	J518	STM1003	SIDE	0	0.65	NO	0
OR12021	J501	J19212	BOTTOM	1.4	0.65	NO	0
OR1203	CB858_855	STM53	SIDE	0	0.65	NO	0
OR12031	J502	J19002	BOTTOM	2.004	0.65	NO	0
OR1204	J517	STM1003	SIDE	0	0.65	NO	0
OR12041	J503	J21755	BOTTOM	1.466	0.65	NO	0
OR1205	J520	STM51	SIDE	0	0.65	NO	0
OR12051	J504	J22384	BOTTOM	1.587	0.65	NO	0
OR1206	J521	STM51	SIDE	0	0.65	NO	0
OR12061	J505	J27781	BOTTOM	1.438	0.65	NO	0
OR1207	CB864_863	STM44	SIDE	0	0.65	NO	0
OR12071	J506	J11755	BOTTOM	0.98	0.65	NO	0
OR1208	CB848_849	B6	SIDE	0	0.65	NO	0
OR12081	J507	J12967	BOTTOM	1.444	0.65	NO	0
OR1209	J522	STM1992	SIDE	0	0.65	NO	0
OR12091	J508	J11141	BOTTOM	1.425	0.65	NO	0
OR121	CB110_111	STM1326	SIDE	0	0.65	NO	0
OR1210	J523	STM1992	SIDE	0	0.65	NO	0
OR12101	J509	J12263	BOTTOM	1.431	0.65	NO	0
OR1211	J524	STM54	SIDE	0	0.65	NO	0
OR12111	J510	J13535	BOTTOM	1.457	0.65	NO	0
OR1212	J525	STM54	SIDE	0	0.65	NO	0
OR12121	J511	J10015	BOTTOM	1.86	0.65	NO	0
OR1213	J526	STM50	SIDE	0	0.65	NO	0
OR12131	J512	J8935	BOTTOM	1.571	0.65	NO	0
OR1214	J527	STM2269	SIDE	0	0.65	NO	0
OR12141	J513	J8024	BOTTOM	1.774	0.65	NO	0
OR1215	CB1393	STM2520	SIDE	0	0.65	NO	0
OR12151	J514	J7434	BOTTOM	1.619	0.65	NO	0
OR1216	CB1391_1394	STM1901	SIDE	0	0.65	NO	0
OR12161	J515	J7883	BOTTOM	1.4	0.65	NO	0
OR1217	CB1395_1433	STM1900	SIDE	0	0.65	NO	0
OR12171	J516	J7731	BOTTOM	2.991	0.65	NO	0
OR1218	CB1432	STM1901	SIDE	0	0.65	NO	0
OR12181	J517	J5603	BOTTOM	1.425	0.65	NO	0
OR1219	J528	STM1900	SIDE	0	0.65	NO	0
OR12191	J518	J6004	BOTTOM	1.422	0.65	NO	0
OR122	CB112_312	STM1327	SIDE	0	0.65	NO	0
OR1220	J528	STM1900	SIDE	0	0.65	NO	0
OR12201	J519	J5087	BOTTOM	1.725	0.65	NO	0
OR1221	J529	STM2270	SIDE	0	0.65	NO	0
OR12211	J520	J4617	BOTTOM	1.797	0.65	NO	0
OR1222	J532	STM1913	SIDE	0	0.65	NO	0
OR12221	J521	J4735	BOTTOM	1.453	0.65	NO	0
OR1223	J530	STM1913	SIDE	0	0.65	NO	0
OR12231	J522	J4862	BOTTOM	1.665	0.65	NO	0
OR1224	J531	J47	SIDE	0	0.65	NO	0
OR12241	J523	J5476	BOTTOM	1.408	0.65	NO	0

OR1225	J536	STM2535	SIDE	0	0.65	NO	0
OR12251	J524	J4076	BOTTOM	1.843	0.65	NO	0
OR1226	J535	STM2535	SIDE	0	0.65	NO	0
OR12261	J525	J3867	BOTTOM	1.448	0.65	NO	0
OR1227	J534	STM2531	SIDE	0	0.65	NO	0
OR12271	J526	J3861	BOTTOM	1.467	0.65	NO	0
OR1228	J533	STM2531	SIDE	0	0.65	NO	0
OR12281	J527	J5350	BOTTOM	1.726	0.65	NO	0
OR1229	J539	STM3674	SIDE	0	0.65	NO	0
OR12291	J528	J7461	BOTTOM	1.739	0.65	NO	0
;continuous grade							
OR123	CB314_313	STM96	SIDE	0	0.65	NO	0
OR1230	J537	STM1973	SIDE	0	0.65	NO	0
OR12301	J529	J10532	BOTTOM	1.433	0.65	NO	0
OR1231	J537	STM1973	SIDE	0	0.65	NO	0
OR12311	J530	J9562	BOTTOM	1.4	0.65	NO	0
OR1232	J538	STM1973	SIDE	0	0.65	NO	0
OR12321	J531	J9254	BOTTOM	1.496	0.65	NO	0
OR1233	J538	STM1973	SIDE	0	0.65	NO	0
OR12331	J532	J10030	BOTTOM	1.4	0.65	NO	0
OR1234	CB1450_1411	STM938	SIDE	0	0.65	NO	0
OR12341	J533	J9886	BOTTOM	1.428	0.65	NO	0
OR1235	CB1450_1411	STM938	SIDE	0	0.65	NO	0
OR12351	J534	J11018	BOTTOM	1.409	0.65	NO	0
OR1236	CB1404_1445	STM938	SIDE	0	0.65	NO	0
OR12361	J535	J11476	BOTTOM	1.4	0.65	NO	0
OR1237	CB1404_1445	STM939	SIDE	0	0.65	NO	0
OR12371	J536	J12642	BOTTOM	1.4	0.65	NO	0
OR1238	CB1405_4238	STM939	SIDE	0	0.65	NO	0
OR12381	J537	J13957	BOTTOM	1.413	0.65	NO	0
OR1239	CB1405_4238	STM939	SIDE	0	0.65	NO	0
OR12391	J538	J14727	BOTTOM	1.564	0.65	NO	0
OR124	CB109_309	STM1339	SIDE	0	0.65	NO	0
OR1240	CB1446_1406	STM2117	SIDE	0	0.65	NO	0
OR12401	J539	J14909	BOTTOM	1.4	0.65	NO	0
OR1241	CB1446_1406	STM2117	SIDE	0	0.65	NO	0
OR12411	J540	J6600	BOTTOM	1.517	0.65	NO	0
OR1242	J540	STM2326	SIDE	0	0.65	NO	0
OR12421	J541	J7469	BOTTOM	1.444	0.65	NO	0
OR1243	J540	STM2326	SIDE	0	0.65	NO	0
OR12431	J542	J16318	BOTTOM	1.409	0.65	NO	0
OR1244	J541	STM2326	SIDE	0	0.65	NO	0
OR12441	J543	J16314	BOTTOM	1.8	0.65	NO	0
OR1245	J541	STM2116	SIDE	0	0.65	NO	0
OR12451	J544	J20279	BOTTOM	1.743	0.65	NO	0
OR1246	CB1447_1407	STM2116	SIDE	0	0.65	NO	0
OR12461	J545	J20075	BOTTOM	1.4	0.65	NO	0
OR1247	CB1447_1407	STM2117	SIDE	0	0.65	NO	0
OR12471	J546	J20079	BOTTOM	1.571	0.65	NO	0
OR1248	J543	STM1980	SIDE	0	0.65	NO	0
OR12481	CB4256	J20078	BOTTOM	2.659	0.65	NO	0
OR1249	J542	STM1980	SIDE	0	0.65	NO	0
OR12491	CB4251	J20072	BOTTOM	3.085	0.65	NO	0
;continuous grade							
OR125	CB319_320	STM107	SIDE	0	0.65	NO	0
OR1250	J546	CB4256	SIDE	0	0.65	NO	0
OR12501	J547	J13938	BOTTOM	1.533	0.65	NO	0
OR1251	J545	CB4251	SIDE	0	0.65	NO	0
OR12511	J548	J15691	BOTTOM	1.474	0.65	NO	0
OR1252	J544	CB4251	SIDE	0	0.65	NO	0
OR12521	J549	J21360	BOTTOM	1.648	0.65	NO	0
OR1253	J549	STM3514	SIDE	0	0.65	NO	0
OR12531	J550	J21997	BOTTOM	1.431	0.65	NO	0
OR1254	StGregsMajor_J49836	STM3465	SIDE	0	0.65	NO	0

OR12541	J551	J17997	BOTTOM	1.628	0.65	NO	0
OR1255	J550	STM2184	SIDE	0	0.65	NO	0
OR12551	J552	J20714	BOTTOM	1.449	0.65	NO	0
OR1256	J551	STM2045	SIDE	0	0.65	NO	0
OR12561	J553	J26886	BOTTOM	1.504	0.65	NO	0
OR1257	J552	STM2618	SIDE	0.375	0.65	NO	0
OR12571	J556	J27433	BOTTOM	1.913	0.65	NO	0
OR1258	J553	J554	SIDE	0	0.65	NO	0
OR12581	J558	J25125	BOTTOM	1.462	0.65	NO	0
OR1259	J556	STM3999	SIDE	0	0.65	NO	0
OR12591	J557	J24954	BOTTOM	1.592	0.65	NO	0
;Multiple CB's							
OR126	CB621_260	STM602	SIDE	0	0.65	NO	0
OR1260	J558	STM3581	SIDE	0	0.65	NO	0
OR12601	J559	J23632	BOTTOM	1.4	0.65	NO	0
OR1261	J557	STM3574	SIDE	0	0.65	NO	0
OR12611	J560	J24932	BOTTOM	1.415	0.65	NO	0
OR1262	J559	STM2638	SIDE	0	0.65	NO	0
OR12621	J561	J23809	BOTTOM	1.623	0.65	NO	0
OR1263	J561	STM2006	SIDE	0	0.65	NO	0
OR12631	J562	J1048	BOTTOM	1.51	0.65	NO	0
OR1264	CB1595_1498	STM2005	SIDE	0	0.65	NO	0
OR12641	J563	J1052	BOTTOM	1.52	0.65	NO	0
OR1265	J560	STM2010	SIDE	0	0.65	NO	0
OR12651	J564	J34549	BOTTOM	1.481	0.65	NO	0
OR1266	CB1398_1439	STM1909	SIDE	0	0.65	NO	0
OR12661	J565	J2741	BOTTOM	1.455	0.65	NO	0
OR1267	CB14_64	STM1102	SIDE	0	0.65	NO	0
OR12671	J566	J2652	BOTTOM	1.4	0.65	NO	0
OR1268	CB15_68	STM1101	SIDE	0	0.65	NO	0
OR12681	J567	J12218	BOTTOM	1.518	0.65	NO	0
OR1269	CB4281_4296	STM1739	SIDE	0	0.65	NO	0
OR12691	J568	J47744	BOTTOM	0.504	0.65	NO	0
OR127	CB259_620	STM609	SIDE	0	0.65	NO	0
OR1270	CB507_506	STM1151	SIDE	0	0.65	NO	0
OR12701	J569	J35858	BOTTOM	1.474	0.65	NO	0
OR1271	CB779_845	STM2269	SIDE	0	0.65	NO	0
OR12711	J570	J39680	BOTTOM	1.834	0.65	NO	0
OR1272	CB791	STM51	SIDE	0	0.65	NO	0
OR12721	J571	J39509	BOTTOM	1.4	0.65	NO	0
OR1273	CB792	STM50	SIDE	0	0.65	NO	0
OR12731	J572	J32067	BOTTOM	1.699	0.65	NO	0
OR1274	CB872_802	STM1062	SIDE	0	0.65	NO	0
OR12741	J576	J6456	BOTTOM	2.514	0.65	NO	0
OR1275	CB872_802	STM1062	SIDE	0	0.65	NO	0
OR12751	J578	J6162	BOTTOM	1.4	0.65	NO	0
OR1276	J426	STM631	SIDE	0	0.65	NO	0
OR12761	J579	J6455	BOTTOM	1.4	0.65	NO	0
OR1277	J426	STM631	SIDE	0	0.65	NO	0
OR12771	J573	J3575	BOTTOM	2.215	0.65	NO	0
OR1278	J562	STM811	SIDE	0	0.65	NO	0
OR12781	J577	J3674	BOTTOM	1.668	0.65	NO	0
OR1279	J563	STM810	SIDE	0	0.65	NO	0
OR12791	J580	J3778	BOTTOM	1.551	0.65	NO	0
OR128	CB259_620	STM609	SIDE	0	0.65	NO	0
OR1280	J564	STM7218	SIDE	0	0.65	NO	0
OR12801	J583	J3271	BOTTOM	1.595	0.65	NO	0
OR1281	J565	STM693	SIDE	0	0.65	NO	0
OR12811	J582	J3071	BOTTOM	1.413	0.65	NO	0
OR1282	J566	STM693	SIDE	0	0.65	NO	0
OR12821	J588	J2003	BOTTOM	1.512	0.65	NO	0
OR1283	J567	STM631	SIDE	0	0.65	NO	0
OR12831	J589	J2179	BOTTOM	1.453	0.65	NO	0
OR1284	J569	STM500	SIDE	0	0.65	NO	0

OR12841	J590	J2268	BOTTOM	1.418	0.65	NO	0
OR1285	J571	STM3130	SIDE	0	0.65	NO	0
OR12851	J591	J2604	BOTTOM	1.501	0.65	NO	0
OR1286	J570	STM3134	SIDE	0	0.65	NO	0
OR12861	J592	J2006	BOTTOM	1.626	0.65	NO	0
OR1287	J572	STM2845	SIDE	0	0.65	NO	0
OR12871	J593	J2343	BOTTOM	1.553	0.65	NO	0
OR1288	J579	J576	SIDE	0	0.65	NO	0
OR12881	J596	J1378	BOTTOM	1.454	0.65	NO	0
OR1289	J578	J575	SIDE	0	0.65	NO	0
OR12891	J597	J1382	BOTTOM	1.437	0.65	NO	0
OR129	CB617_258	STM609	SIDE	0	0.65	NO	0
OR1290	J577	J573	SIDE	0	0.65	NO	0
OR12901	J598	J1521	BOTTOM	1.4	0.65	NO	0
OR1291	J580	STM1416	SIDE	0	0.65	NO	0
OR12911	J599	J1753	BOTTOM	1.4	0.65	NO	0
OR1292	J583	J581	SIDE	0	0.65	NO	0
OR12921	J600	J5175	BOTTOM	1.414	0.65	NO	0
OR1293	J582	J581	SIDE	0	0.65	NO	0
OR12931	MH10-S	J18654	BOTTOM	1.427	0.65	NO	0
OR1294	J588	J587	SIDE	0	0.65	NO	0
OR12941	MH11-S	J20117	BOTTOM	1.466	0.65	NO	0
OR1295	J589	J587	SIDE	0	0.65	NO	0
OR12951	MH12-S	J20968	BOTTOM	1.742	0.65	NO	0
OR1296	StGregsMajor_J49836	J23848	SIDE	1.4	0.65	NO	0
OR12961	MH13-S	J21590	BOTTOM	1.551	0.65	NO	0
OR1297	J591	J584	SIDE	0	0.65	NO	0
OR12971	MH14-S	J21822	BOTTOM	1.4	0.65	NO	0
OR1298	J592	J587	SIDE	0	0.65	NO	0
OR12981	MH15-S	J21594	BOTTOM	1.4	0.65	NO	0
OR1299	J593	J585	SIDE	0	0.65	NO	0
OR12991	MH17-S	J18866	BOTTOM	1.583	0.65	NO	0
OR13	CB_COMM2	STM3613	SIDE	0	0.65	NO	0
OR130	CB618	STM330	SIDE	0	0.65	NO	0
OR1300	J596	J594	SIDE	0	0.65	NO	0
OR13001	MH18-S	J17387	BOTTOM	1.55	0.65	NO	0
OR1301	J597	J595	SIDE	0	0.65	NO	0
OR13011	MH19-S	J16131	BOTTOM	1.517	0.65	NO	0
OR1302	J598	STM1207	SIDE	0	0.65	NO	0
OR13021	MH2-S	J16328	BOTTOM	1.429	0.65	NO	0
OR1303	J599	STM1207	SIDE	0	0.65	NO	0
OR13031	MH4-S	J17166	BOTTOM	1.908	0.65	NO	0
OR1304	J600	STM1240	SIDE	0	0.65	NO	0
OR13041	MH6-S	J17378	BOTTOM	1.4	0.65	NO	0
OR1305	J604	J614	SIDE	0.5	0.65	NO	0
OR13051	MH7-S	J18028	BOTTOM	1.467	0.65	NO	0
OR1306	J606	J615	SIDE	0.167	0.65	NO	0
OR13061	MH8-S	J18443	BOTTOM	1.428	0.65	NO	0
OR1307	J608	J616	SIDE	0.165	0.65	NO	0
OR13071	MH9-S	J18448	BOTTOM	1.576	0.65	NO	0
OR1308	J611	J43	SIDE	0	0.65	NO	0
OR13081	J604	J17741	BOTTOM	1.4	0.65	NO	0
OR1309	J610	J605	SIDE	0	0.65	NO	0
OR13091	J606	J17744	BOTTOM	1.4	0.65	NO	0
OR131	CB618	STM330	SIDE	0	0.65	NO	0
OR1310	J609	STM3093	SIDE	0	0.65	NO	0
OR13101	J608	J17534	BOTTOM	1.521	0.65	NO	0
OR1311	J607	J617	SIDE	0	0.65	NO	0
OR13111	J609	J17537	BOTTOM	1.526	0.65	NO	0
OR1312	J618	J617	SIDE	0	0.65	NO	0
OR13121	J610	J17749	BOTTOM	1.413	0.65	NO	0
OR1313	J619	J322	SIDE	0	0.65	NO	0
OR13131	J611	J18178	BOTTOM	1.499	0.65	NO	0
OR1314	J619	J617	SIDE	0	0.65	NO	0

OR13141	J613	J17738	BOTTOM	1.045	0.65	NO	0
OR1315	J621	J622	SIDE	0	0.65	NO	0
OR13151	J43	J18178	BOTTOM	1.667	0.65	NO	0
OR1316	J620	J622	SIDE	0	0.65	NO	0
OR13161	J605	J17748	BOTTOM	1.716	0.65	NO	0
OR1317	J623	J323	SIDE	0	0.65	NO	0
OR13171	J607	J29825	BOTTOM	1.481	0.65	NO	0
OR1318	J626	J42	SIDE	0	0.65	NO	0
OR13181	J618	J30034	BOTTOM	1.663	0.65	NO	0
OR1319	J625	J629	SIDE	0	0.65	NO	0
OR13191	J619	J29615	BOTTOM	1.43	0.65	NO	0
OR132	CB579	J21	SIDE	0	0.65	NO	0
OR1320	J627	J628	SIDE	0	0.65	NO	0
OR13201	J620	J32025	BOTTOM	1.207	0.65	NO	0
OR1321	J624	J629	SIDE	0	0.65	NO	0
OR13211	J621	J32278	BOTTOM	1.235	0.65	NO	0
OR1322	J648	STM3598	SIDE	0.633	0.65	NO	0
OR13221	J623	J33474	BOTTOM	1.021	0.65	NO	0
OR1323	J644	J649	SIDE	0	0.65	NO	0
OR13231	J624	J33089	BOTTOM	1.531	0.65	NO	0
OR1324	J646	J649	SIDE	0	0.65	NO	0
OR13241	J625	J33322	BOTTOM	1.4	0.65	NO	0
OR1325	J650	J647	SIDE	0.3	0.65	NO	0
OR13251	J626	J34003	BOTTOM	0.948	0.65	NO	0
OR1326	J652	J654	SIDE	0.3	0.65	NO	0
OR13261	J627	J34000	BOTTOM	1.441	0.65	NO	0
OR1327	J655	J656	SIDE	0.3	0.65	NO	0
OR13271	J630	J37964	BOTTOM	1.502	0.65	NO	0
OR1328	J653	J656	SIDE	0.3	0.65	NO	0
OR13281	J631	J37321	BOTTOM	1.278	0.65	NO	0
OR1329	J663	J664	SIDE	0.3	0.65	NO	0
OR13291	J632	J37195	BOTTOM	1.117	0.65	NO	0
OR133	CB578	J22	SIDE	0	0.65	NO	0
OR1330	J677	J664	SIDE	0.3	0.65	NO	0
OR13301	J635	J38442	BOTTOM	1.468	0.65	NO	0
OR1331	J668	J679	SIDE	0.3	0.65	NO	0
OR13311	J636	J27334	BOTTOM	1.735	0.65	NO	0
OR1332	J672	J671	SIDE	0.743	0.65	NO	0
OR13321	J637	J27512	BOTTOM	2.044	0.65	NO	0
OR1333	J674	J673	SIDE	0.3	0.65	NO	0
OR13331	J638	J28246	BOTTOM	2.137	0.65	NO	0
OR1334	J669	J682	SIDE	0.3	0.65	NO	0
OR13341	J639	J29838	BOTTOM	1.091	0.65	NO	0
OR1335	J670	J673	SIDE	0.3	0.65	NO	0
OR13351	J640	J29411	BOTTOM	2.85	0.65	NO	0
OR1336	J666	J680	SIDE	0.3	0.65	NO	0
OR13361	J641	J29837	BOTTOM	1.562	0.65	NO	0
OR1337	J665	J680	SIDE	0.3	0.65	NO	0
OR13371	J642	J30049	BOTTOM	2.184	0.65	NO	0
OR1338	J667	J680	SIDE	0.3	0.65	NO	0
OR13381	J643	J29632	BOTTOM	1.517	0.65	NO	0
OR1339	J675	J681	SIDE	0.3	0.65	NO	0
OR13391	J644	J29460	BOTTOM	0.881	0.65	NO	0
OR134	CB59_11	STM1562	SIDE	0	0.65	NO	0
OR1340	J676	J678	SIDE	0.3	0.65	NO	0
OR13401	J645	J29676	BOTTOM	0.734	0.65	NO	0
OR1341	CBMH_TMC	J678	SIDE	0.3	0.65	NO	0
OR13411	J646	J29461	BOTTOM	0.84	0.65	NO	0
OR1342	J688	J691	SIDE	0	0.65	NO	0
OR13421	J647	J29680	BOTTOM	1.647	0.65	NO	0
OR1343	J687	J690	SIDE	0	0.65	NO	0
OR13431	J648	J29251	BOTTOM	1.965	0.65	NO	0
OR1344	J694	J695	SIDE	0	0.65	NO	0
OR13441	J649	J29251	BOTTOM	1.277	0.65	NO	0

;continuous grade								
OR1345	J701	STM1395	SIDE	0	0.65	NO	0	
OR13451	J650	J30310	BOTTOM	0.863	0.65	NO	0	
;continuous grade								
OR1346	J701	STM1395	SIDE	0	0.65	NO	0	
OR13461	J651	J27259	BOTTOM	0.842	0.65	NO	0	
OR1347	J705	J58123	SIDE	0	0.65	NO	0	
OR13471	J652	J27798	BOTTOM	0.934	0.65	NO	0	
OR1348	J705	J58123	SIDE	0	0.65	NO	0	
OR13481	J653	J28168	BOTTOM	1.398	0.65	NO	0	
OR1349	J706	J710	SIDE	0	0.65	NO	0	
OR13491	J655	J28166	BOTTOM	1.131	0.65	NO	0	
OR135	CB612_253	STM1951	SIDE	0	0.65	NO	0	
OR1350	J706	J710	SIDE	0	0.65	NO	0	
OR13501	J659	J27256	BOTTOM	1.464	0.65	NO	0	
OR1351	J711	EX.CBMH	SIDE	0	0.65	NO	0	
OR13511	J662	J26323	BOTTOM	0.572	0.65	NO	0	
OR1352	StGregsMajor_J50290	J24046	SIDE	1.624	0.65	NO	0	
OR13521	J663	J26318	BOTTOM	1.058	0.65	NO	0	
OR1353	StGregsMajor_J50290	J23653	SIDE	1.912	0.65	NO	0	
OR13531	J665	J27441	BOTTOM	1.156	0.65	NO	0	
OR1354	StGregsMajor_J50290	J23654	SIDE	2.445	0.65	NO	0	
OR13541	J666	J27443	BOTTOM	1.07	0.65	NO	0	
OR1355	StGregsMajor_J50225	J23852	SIDE	1.705	0.65	NO	0	
OR13551	J667	J27624	BOTTOM	1.149	0.65	NO	0	
OR1356	StGregsMajor_J50225	J24229	SIDE	1.494	0.65	NO	0	
OR13561	J668	J27262	BOTTOM	1.061	0.65	NO	0	
OR1357	StGregsMajor_J50094	J23859	SIDE	2.728	0.65	NO	0	
OR13571	J669	J27078	BOTTOM	1.185	0.65	NO	0	
OR1358	StGregsMajor_J50094	J23861	SIDE	1.826	0.65	NO	0	
OR13581	J670	J27265	BOTTOM	1.135	0.65	NO	0	
OR1359	StGregsMajor_J50094	J24234	SIDE	1.5	0.65	NO	0	
OR13591	J672	J26901	BOTTOM	1.429	0.65	NO	0	
OR136	CB293_294	STM1689	SIDE	0	0.65	NO	0	
OR1360	StGregsMajor_J49965	J24047	SIDE	0	0.65	NO	0	
OR13601	J674	J27628	BOTTOM	1.14	0.65	NO	0	
OR1361	J121951	J88	SIDE	0.492	0.65	NO	0	
OR13611	J675	J27985	BOTTOM	1.474	0.65	NO	0	
OR1362	J50678	J23448	SIDE	0	0.65	NO	0	
OR13621	J676	J28171	BOTTOM	1.332	0.65	NO	0	
OR1363	J50745	J23453	SIDE	0	0.65	NO	0	
OR13631	J677	J26702	BOTTOM	1.175	0.65	NO	0	
OR1364	J332	STM3073	SIDE	0	0.65	NO	0	
OR13641	J683	J39926	BOTTOM	1.597	0.65	NO	0	
OR1365	J572	STM2845	SIDE	0	0.65	NO	0	
OR13651	J684	J39993	BOTTOM	0.439	0.65	NO	0	
OR1366	J49930	STM825	SIDE	0	0.65	NO	0	
OR13661	J687	J24970	BOTTOM	1.415	0.65	NO	0	
OR1367	J49801	STM820	SIDE	0	0.65	NO	0	
OR13671	J688	J25529	BOTTOM	1.4	0.65	NO	0	
OR1368	J49930	J1867	BOTTOM	1.382	0.65	NO	0	
OR13681	J689	J26732	BOTTOM	1.4	0.65	NO	0	
OR1369	J49801	J1553	BOTTOM	1.379	0.65	NO	0	
OR13691	J693	J24434	BOTTOM	1.22	0.65	NO	0	
OR137	CB251_295	STM1689	SIDE	0	0.65	NO	0	
OR1370	J50059	STM3073	SIDE	0	0.65	NO	0	
OR13701	J694	J24803	BOTTOM	1.557	0.65	NO	0	
OR1371	CR22-1	J54471	BOTTOM	1.791	0.65	NO	0	
OR13711	J696	J31570	BOTTOM	0.404	0.65	NO	0	
OR1372	J50127	STM2845	SIDE	0	0.65	NO	0	
OR13721	J697	J37477	BOTTOM	1.555	0.65	NO	0	
OR1373	J50059	J31289	BOTTOM	1.422	0.65	NO	0	
OR13731	J701	J37988	BOTTOM	1.777	0.65	NO	0	
OR1374	J50127	J31552	BOTTOM	1.432	0.65	NO	0	

OR13741	J705	J38740	BOTTOM	1.331	0.65	NO	0
OR1375	PRK_STO	J32326	SIDE	1.72	0.65	NO	0
OR13751	J706	J38847	BOTTOM	1.003	0.65	NO	0
OR1376	PRK_STO	J32330	SIDE	1.64	0.65	NO	0
OR13761	EX.CBMH	J38403	BOTTOM	2.146	0.65	NO	0
OR1377	PRK_STO	J33305	SIDE	1.95	0.65	NO	0
OR13771	J711	J38519	BOTTOM	1.231	0.65	NO	0
OR1378	PRK_STO	J33982	SIDE	1.79	0.65	NO	0
OR13781	J707	J20605	BOTTOM	1.471	0.65	NO	0
OR1379	J34420	J22942	SIDE	2.18	0.65	NO	0
OR13791	J708	J19359	BOTTOM	1.4	0.65	NO	0
OR138	CB250_292	STM1689	SIDE	0	0.65	NO	0
OR1380	PRK_STO	J33059	SIDE	1.86	0.65	NO	0
OR13801	J709	J18929	BOTTOM	1.4	0.65	NO	0
OR1381	M_CULV	J54032	BOTTOM	2.331	0.65	NO	0
OR1382	PRK_STO	J34192	SIDE	1.86	0.65	NO	0
OR13821	BG_PS	J52939	BOTTOM	6.04	0.65	NO	0
OR1383	PRK_STO	J34195	SIDE	1.86	0.65	NO	0
OR13831	BG_PS2	J53313	BOTTOM	5.392	0.65	NO	0
OR1384	J34420	J22536	SIDE	2.2	0.65	NO	0
OR13841	STM_F2	J27359	BOTTOM	1.692	0.65	NO	0
OR1385	Lacasse_J482	J4828	SIDE	3.22	0.65	NO	0
OR13851	STM_F1	J27359	BOTTOM	1.006	0.65	NO	0
OR1386	Lacasse_J487	J4470	SIDE	2.54	0.65	NO	0
OR13861	STM_F3	J27895	BOTTOM	2.108	0.65	NO	0
OR1387	Lacasse_J486	J3634	SIDE	2.35	0.65	NO	0
OR13871	STM_F5	J27894	BOTTOM	0.988	0.65	NO	0
OR1388	Lacasse_J485	J2760	SIDE	2.48	0.65	NO	0
OR13881	STM_F6	J28265	BOTTOM	1.041	0.65	NO	0
OR1389	Lacasse_J484	J2576	SIDE	2.93	0.65	NO	0
OR13891	STM_F7	J28473	BOTTOM	0.506	0.65	NO	0
OR139	CB4285_4286	STM1239	SIDE	0	0.65	NO	0
OR1390	D1	J2483	SIDE	5.155	0.65	NO	0
OR13901	VIA-Rail_J2149	J29425	SIDE	1.12	0.65	NO	0
OR1391	Jun-48	J54995	BOTTOM	1.218	0.65	NO	0
OR13911	Auto_J	J27892	BOTTOM	1.414	0.65	NO	0
OR1392	Lacasse_J483	J2323	SIDE	2.92	0.65	NO	0
OR13921	J66580	J28287	BOTTOM	1.528	0.65	NO	0
OR1393	Lacasse_J495	J1896	SIDE	1.44	0.65	NO	0
OR13931	J66581	J28493	BOTTOM	1.544	0.65	NO	0
OR1394	MHC1A_2	J14200	BOTTOM	2.37	0.65	NO	0
OR13941	CB_J66582	J31251	BOTTOM	1.42	0.65	NO	0
OR1395	ANNE_ST12_2	J43896	BOTTOM	1.215	0.65	NO	0
OR13951	CB_J665821	J30739	BOTTOM	1.561	0.65	NO	0
OR1396	ANNE_ST12_1	J43863	BOTTOM	1.335	0.65	NO	0
OR13961	MH16-S2	J20756	BOTTOM	1.588	0.65	NO	0
OR1397	J49852	J31034	SIDE	1.585	0.65	NO	0
OR13971	MH16-S	J19916	BOTTOM	1.477	0.65	NO	0
OR13981	MH17_S2	J18453	BOTTOM	1.486	0.65	NO	0
OR13991	MHB1	J22074	BOTTOM	2.563	0.65	NO	0
OR14	CB_COMM3	STM3589	SIDE	0	0.65	NO	0
OR140	CB4287_4288	STM1676	SIDE	0	0.65	NO	0
OR14001	MHB2	J21430	BOTTOM	2.792	0.65	NO	0
OR1401	PondOutfall	J54986	BOTTOM	0.435	0.65	NO	0
OR14011	MHB3	J19962	BOTTOM	2.907	0.65	NO	0
OR14021	MHB4	J19349	BOTTOM	3.237	0.65	NO	0
OR14031	MHC1	J16176	BOTTOM	2.681	0.65	NO	0
OR14041	MHC3	J18916	BOTTOM	3.087	0.65	NO	0
OR14051	MHE1A	J16186	BOTTOM	3.9	0.65	NO	0
OR14061	MHE1B	J17442	BOTTOM	4.035	0.65	NO	0
OR14071	MHEW1	J24442	BOTTOM	4.105	0.65	NO	0
OR14081	MHK1	J23289	BOTTOM	2.758	0.65	NO	0
OR14091	MHK2	J22277	BOTTOM	3.075	0.65	NO	0
OR141	MH40	J29051	SIDE	2.146	0.65	NO	0

OR14101	MHK3	J20598	BOTTOM	3.264	0.65	NO	0
OR1411	Jun-54.1	J54875	BOTTOM	0.641	0.65	NO	0
OR14111	MHK4	J19566	BOTTOM	3.426	0.65	NO	0
OR14121	MHK5	J17660	BOTTOM	3.955	0.65	NO	0
OR14131	MHK6	J15980	BOTTOM	3.905	0.65	NO	0
OR14141	MHR1B	J14966	BOTTOM	3.394	0.65	NO	0
OR14151	MHR2	J15380	BOTTOM	3.976	0.65	NO	0
OR14161	MHR2A	J15378	BOTTOM	3.947	0.65	NO	0
OR14171	MHW1	J18492	BOTTOM	1.988	0.65	NO	0
OR14181	MHW1A	J18492	BOTTOM	2.193	0.65	NO	0
OR14191	MHW2	J20380	BOTTOM	2.442	0.65	NO	0
OR142	MH40	J29492	SIDE	1.914	0.65	NO	0
OR14201	MHC1A	J15757	BOTTOM	2.935	0.65	NO	0
OR1421	J27	J2569	BOTTOM	2.59	0.65	NO	0
OR14211	MHC2	J17869	BOTTOM	2.729	0.65	NO	0
OR14221	MHE1	J17653	BOTTOM	3.216	0.65	NO	0
OR14231	MHK7	J15187	BOTTOM	3.894	0.65	NO	0
OR14241	MHR1	J14966	BOTTOM	2.087	0.65	NO	0
OR14251	MHR1A	J15169	BOTTOM	2.524	0.65	NO	0
OR14261	J36	J24243	BOTTOM	1.4	0.65	NO	0
OR14271	J60641	J18262	BOTTOM	1.4	0.65	NO	0
OR14281	J60651	J21616	BOTTOM	1.4	0.65	NO	0
OR14291	CB709_708	STM1812	SIDE	0	0.65	NO	0
OR143	MH38	J54565	SIDE	2.096	0.65	NO	0
OR14301	J60661	J23431	BOTTOM	1.4	0.65	NO	0
OR1431	J37	J11731	BOTTOM	1.236	0.65	NO	0
OR14311	J60671	J19041	BOTTOM	1.4	0.65	NO	0
OR14321	MH29	J54795	BOTTOM	3.743	0.65	NO	0
OR14331	MH31	J30401	BOTTOM	3.593	0.65	NO	0
OR14341	MH33	J30168	BOTTOM	3.332	0.65	NO	0
OR14351	MH35	J29953	BOTTOM	2.91	0.65	NO	0
OR14361	MH37	J29730	BOTTOM	2.539	0.65	NO	0
OR14371	MH39	J29290	BOTTOM	2.471	0.65	NO	0
OR14381	J49981	J23343	BOTTOM	1.4	0.65	NO	0
OR14391	MH40	J29282	BOTTOM	2.113	0.65	NO	0
OR144	MH36	J54626	SIDE	2.604	0.65	NO	0
OR14401	MH38	J29507	BOTTOM	2.543	0.65	NO	0
OR1441	J44	J22592	BOTTOM	3.934	0.65	NO	0
OR14411	MH36	J29738	BOTTOM	2.866	0.65	NO	0
OR14421	MH34	J30160	BOTTOM	2.937	0.65	NO	0
OR14431	MH32	J30395	BOTTOM	3.348	0.65	NO	0
OR14441	J49981	STM114	SIDE	0	0.65	NO	0
OR14451	MH30	J30638	BOTTOM	3.598	0.65	NO	0
OR14461	J60651	STM3750	SIDE	0	0.65	NO	0
OR14471	J60641	STM3749	SIDE	0	0.65	NO	0
OR14481	DD_J20652	J24449	SIDE	0	0.65	NO	0
OR14491	J60651	STM3750	SIDE	0	0.65	NO	0
OR145	MH36	J29949	SIDE	2.532	0.65	NO	0
OR14501	J60641	STM3749	SIDE	0	0.65	NO	0
OR1451	J49	J21802	BOTTOM	1.441	0.65	NO	0
OR14511	CB817_752	STM3642	SIDE	0	0.65	NO	0
OR14521	J60661	STM2634	SIDE	0	0.65	NO	0
OR14531	J60671	STM2175	SIDE	0	0.65	NO	0
OR14541	VIA-Rail_J2151	J29652	SIDE	2.9	0.65	NO	0
OR14551	VIA-Rail_J2180	J30073	SIDE	1.8	0.65	NO	0
OR14561	VIA-Rail_J2222	J30075	SIDE	3.26	0.65	NO	0
OR14571	VIA-Rail_J2226	J30294	SIDE	2.965	0.65	NO	0
OR14581	VIA-Rail_J2233	J30529	SIDE	3.168	0.65	NO	0
OR14591	VIA-Rail_J2236	J30775	SIDE	3.105	0.65	NO	0
OR146	MH34	J30383	SIDE	2.706	0.65	NO	0
OR14601	VIA-Rail_J2253	J31304	SIDE	1.853	0.65	NO	0
OR1461	J57	J47250	BOTTOM	2.014	0.65	NO	0
OR14611	VIA-Rail_J2264	J31570	SIDE	1.696	0.65	NO	0
OR14621	VIA-Rail_J2266	J31572	SIDE	2.33	0.65	NO	0

OR14631	VIA-Rail_J2312	J31835	SIDE	2.073	0.65	NO	0
OR14641	VIA-Rail_J2315	J32093	SIDE	1.934	0.65	NO	0
OR14651	VIA-Rail_J2319	J32350	SIDE	1.795	0.65	NO	0
OR14661	STM3607	J32604	SIDE	2.025	0.65	NO	0
OR14671	DD_J20633	J25173	SIDE	0	0.65	NO	0
OR14681	DD_J20619	J12523	SIDE	0	0.65	NO	0
OR14691	DD_J20619	J11839	SIDE	0	0.65	NO	0
OR147	MH34	J29961	SIDE	3.063	0.65	NO	0
OR14701	DD_J20613	J10430	SIDE	0	0.65	NO	0
OR1471	J58	J16196	BOTTOM	1.616	0.65	NO	0
OR14711	Coro_J2511	J2487	SIDE	0	0.65	NO	0
OR14721	Coro_J2180	J3941	SIDE	0	0.65	NO	0
OR14731	J590	J2182	SIDE	0	0.65	NO	0
OR14741	Meander_HP_5	J11727	SIDE	0.25	0.65	NO	0
OR14751	Meander_J2139	J11409	SIDE	1.66	0.65	NO	0
OR14761	Meander_J2139	J11410	SIDE	1.66	0.65	NO	0
OR14771	Meander_J2136	J10479	SIDE	1.66	0.65	NO	0
OR14781	Meander_J2136	J10949	SIDE	1.66	0.65	NO	0
OR14791	Meander_CB286_244	J10140	SIDE	1.66	0.65	NO	0
OR148	MH32	DD_J20638	SIDE	3.348	0.65	NO	0
OR14801	Meander_CB286_244	J10309	SIDE	1.88	0.65	NO	0
OR1481	J60	J34632	BOTTOM	1.885	0.65	NO	0
OR14811	Meander_CB245_287	J9197	SIDE	1.66	0.65	NO	0
OR14821	Meander_CB245_287	J9972	SIDE	1.66	0.65	NO	0
OR14831	Meander_HP_1	J9353	SIDE	0.05	0.65	NO	0
OR14841	St.Anne_J10	J45005	SIDE	0	0.65	NO	0
OR14851	St.Anne_J23	J43863	SIDE	0	0.65	NO	0
OR14861	St.Anne_J23	J43829	SIDE	0	0.65	NO	0
OR14871	CB666_1467	STM1812	SIDE	0	0.65	NO	0
OR14881	CB665_1468	STM1819	SIDE	0	0.65	NO	0
OR14891	CB558_707	STM1826	SIDE	0	0.65	NO	0
OR149	J473	STM2133	SIDE	0	0.65	NO	0
OR14901	J60571	STM4201	SIDE	0	0.65	NO	0
OR1491	J92	J31995	BOTTOM	4.216	0.65	NO	0
OR14911	J60571	J39961	BOTTOM	1.064	0.65	NO	0
OR14921	J60661	J23431	BOTTOM	1.356	0.65	NO	0
OR14931	DD_J20638	J30172	SIDE	0	0.65	NO	0
OR14941	SU2	J24223	SIDE	2.4	0.65	NO	0
OR14951	CB545_448	STM2296	SIDE	0	0.65	NO	0
OR14961	CB544_446	STM1022	SIDE	0	0.65	NO	0
OR14971	MH28	J54808	BOTTOM	3.794	0.65	NO	0
OR14981	J60571	J39961	BOTTOM	1.1	0.65	NO	0
OR14991	SU21	J22325	BOTTOM	2.936	0.65	NO	0
OR15	J266	J265	SIDE	0	0.65	NO	0
OR150	MH30	J30882	SIDE	3.426	0.65	NO	0
OR1501	Z_CB	J24221	BOTTOM	1.653	0.65	NO	0
OR151	MH30	J54764	SIDE	3.023	0.65	NO	0
OR1511	JL1	J54990	BOTTOM	1.104	0.65	NO	0
OR152	MH28	J31153	SIDE	3.453	0.65	NO	0
OR1521	JL2	J54937	BOTTOM	1.205	0.65	NO	0
OR153	MH28	J54806	SIDE	3.069	0.65	NO	0
OR1531	CB2018_1952	J30119	BOTTOM	1.592	0.65	NO	0
OR154	STM4300	J54826	SIDE	3.975	0.65	NO	0
OR1541	CB2017_1951	J31337	BOTTOM	1.558	0.65	NO	0
OR155	CB711_710	STM1384	SIDE	0	0.65	NO	0
OR1551	CB2016_1950	J30574	BOTTOM	1.691	0.65	NO	0
OR156	CB667_712	STM1384	SIDE	0	0.65	NO	0
OR1561	CB2015_1949	J31603	BOTTOM	1.548	0.65	NO	0
OR157	CB668_806	STM836	SIDE	0	0.65	NO	0
OR1571	CB2014_1948	J30823	BOTTOM	1.497	0.65	NO	0
OR158	CB1	STM2274	SIDE	0	0.65	NO	0
OR1581	CB2013_1947	J31612	BOTTOM	1.5	0.65	NO	0
OR159	CB749_814	STM2278	SIDE	0	0.65	NO	0
OR1591	CB2012_1946	J31872	BOTTOM	1.4	0.65	NO	0

;continuous grade								
OR160	CB812_813	STM2282	SIDE	0	0.65	NO	0	
;continuous grade								
OR161	CB748_811	STM2282	SIDE	0	0.65	NO	0	
OR1611	CB2011_1945	J31618	BOTTOM	1.453	0.65	NO	0	
OR162	CB747_810	STM2286	SIDE	0	0.65	NO	0	
OR1621	CB2010_1944	J32379	BOTTOM	1.467	0.65	NO	0	
OR163	CB746_808	STM2293	SIDE	0	0.65	NO	0	
OR1631	CB4259_1943	J31881	BOTTOM	1.4	0.65	NO	0	
OR164	CB757_824	STM2286	SIDE	0	0.65	NO	0	
OR1641	CB2009_1942	J32633	BOTTOM	1.547	0.65	NO	0	
OR165	CB1472_1567	STM2623	SIDE	0	0.65	NO	0	
OR1651	CB2007_2008	J31627	BOTTOM	1.794	0.65	NO	0	
OR166	CB1473_1568	STM2618	SIDE	0	0.65	NO	0	
OR1661	CB1941_1940	J33120	BOTTOM	1.595	0.65	NO	0	
OR167	CB1593_1496	STM3531	SIDE	0	0.65	NO	0	
OR1671	Coro_J2266	J2252	SIDE	1.55	0.65	NO	0	
OR168	CB1594_1497	STM2001	SIDE	0	0.65	NO	0	
OR1681	CB1939_2004	J30851	BOTTOM	1.723	0.65	NO	0	
OR169	CB1586_1489	STM2619	SIDE	0	0.65	NO	0	
OR1691	CB2005_2006	J30845	BOTTOM	1.491	0.65	NO	0	
OR17	BP_CBMH9	J13	SIDE	0	0.65	NO	0	
OR170	CB1599_1501	STM2019	SIDE	0	0.65	NO	0	
OR1701	CB2003_1938	J30856	BOTTOM	1.496	0.65	NO	0	
OR171	CB1589_1492	STM2634	SIDE	0	0.65	NO	0	
OR1711	CB2002_1937	J33356	BOTTOM	1.669	0.65	NO	0	
OR172	CB767_836	STM1929	SIDE	0	0.65	NO	0	
OR1721	CB1997_1992	J33812	BOTTOM	1.624	0.65	NO	0	
OR173	CB768_837	STM1933	SIDE	0	0.65	NO	0	
OR1731	CB1998_1933	J33595	BOTTOM	1.513	0.65	NO	0	
OR174	CB767_838	STM1934	SIDE	0	0.65	NO	0	
OR1741	CB1999_1934	J31648	BOTTOM	1.771	0.65	NO	0	
OR175	CB770_839	STM1938	SIDE	0	0.65	NO	0	
OR1751	CB1996_1931	J33820	BOTTOM	1.658	0.65	NO	0	
OR176	CB805_875	STM1083	SIDE	0	0.65	NO	0	
OR1761	CB1991_1992	J34038	BOTTOM	1.4	0.65	NO	0	
OR177	CB804_874	STM1073	SIDE	0	0.65	NO	0	
OR1771	CB4257	J31658	BOTTOM	1.4	0.65	NO	0	
OR178	CB803_873	STM1066	SIDE	0	0.65	NO	0	
OR1781	CB1995_1930	J31653	BOTTOM	1.678	0.65	NO	0	
OR179	CB901	STM2027	SIDE	0	0.65	NO	0	
OR1791	CB1987_1988	J31928	BOTTOM	1.457	0.65	NO	0	
OR18	CB1939_2004	STM3274	SIDE	0	0.65	NO	0	
;continuous grade								
OR180	CB800_870	STM2026	SIDE	0	0.65	NO	0	
OR1801	CB1989_1990	J34471	BOTTOM	1.449	0.65	NO	0	
;continuous grade								
OR181	CB799_869	STM2028	SIDE	0	0.65	NO	0	
OR1811	CB1993_1994	J34042	BOTTOM	1.476	0.65	NO	0	
OR182	CB798_868	STM2035	SIDE	0	0.65	NO	0	
OR1821	CB1980_1925	J34487	BOTTOM	1.405	0.65	NO	0	
OR183	CB1426_1427	STM1439	SIDE	0	0.65	NO	0	
OR1831	CB1982_1927	J34689	BOTTOM	1.64	0.65	NO	0	
OR184	CB1396_1437	STM1905	SIDE	0	0.65	NO	0	
OR1841	CB1983_1928	J31939	BOTTOM	1.576	0.65	NO	0	
OR185	CB1397_1438	STM1905	SIDE	0	0.65	NO	0	
OR1851	CB1984	J31933	BOTTOM	1.6	0.65	NO	0	
OR186	CB1399_1440	STM2531	SIDE	0	0.65	NO	0	
OR1861	CB1985_1929	J33388	BOTTOM	1.791	0.65	NO	0	
OR187	CB1421_1462	STM3662	SIDE	0	0.65	NO	0	
OR1871	CB1986	J34683	BOTTOM	1.574	0.65	NO	0	
OR188	CB1461_1460	STM3662	SIDE	0	0.65	NO	0	
OR1881	CB1981	J34892	BOTTOM	1.4	0.65	NO	0	
OR189	CB819_754	STM4246	SIDE	0	0.65	NO	0	

OR1891	CB1977_1923	J34902	BOTTOM	1.535	0.65	NO	0
OR19	CB2002_1937	STM3259	SIDE	0	0.65	NO	0
OR190	CB818_753	STM3651	SIDE	0	0.65	NO	0
OR1901	CB1924_1978	J33856	BOTTOM	1.7	0.65	NO	0
OR191	CB815_816	STM3642	SIDE	0	0.65	NO	0
OR1911	CB1979	J32197	BOTTOM	1.464	0.65	NO	0
OR192	CB817_752	STM3642	SIDE	0	0.65	NO	0
OR1921	CB1976_1922	J35449	BOTTOM	1.661	0.65	NO	0
OR193	CB750_751	STM2277	SIDE	0	0.65	NO	0
OR1931	CB1975_1921	J34076	BOTTOM	1.511	0.65	NO	0
OR194	CB758_825	STM2277	SIDE	0	0.65	NO	0
OR1941	CB1974	J32460	BOTTOM	1.637	0.65	NO	0
OR195	CB758_825	STM2277	SIDE	0	0.65	NO	0
OR1951	CB2035_1973	J32205	BOTTOM	1.556	0.65	NO	0
OR196	CB210_604	STM636	SIDE	0	0.65	NO	0
OR1961	CB2122_5358	J32214	BOTTOM	1.418	0.65	NO	0
OR197	CB210_604	STM636	SIDE	0	0.65	NO	0
OR1971	CB1970	J31432	BOTTOM	1.4	0.65	NO	0
OR198	CB626_627	STM646	SIDE	0	0.65	NO	0
OR1981	CB5357_5356	J31436	BOTTOM	1.4	0.65	NO	0
OR199	CB626_627	STM646	SIDE	0	0.65	NO	0
OR1991	CB2038_2125	J30195	BOTTOM	1.697	0.65	NO	0
OR2	CB800_870	STM2026	SIDE	0	0.65	NO	0
OR20	CB2003_1938	STM3263	SIDE	0	0.65	NO	0
OR200	CB625_264	STM647	SIDE	0	0.65	NO	0
OR2001	CB2037_2124	J29984	BOTTOM	1.466	0.65	NO	0
OR201	CB625_264	STM647	SIDE	0	0.65	NO	0
OR2011	CB2039_2040	J29561	BOTTOM	1.429	0.65	NO	0
OR202	CB268_631	STM1741	SIDE	0	0.65	NO	0
OR2021	CB2043_2128	J27136	BOTTOM	1.655	0.65	NO	0
OR203	CB267_630	STM1746	SIDE	0	0.65	NO	0
OR2031	CB2130_2045	J25964	BOTTOM	1.515	0.65	NO	0
OR204	CB726_725	STM777	SIDE	0	0.65	NO	0
OR2041	CB121_325	J19157	BOTTOM	1.4	0.65	NO	0
OR205	CB726_725	STM777	SIDE	0	0.65	NO	0
OR2051	CB2831_3092	STM4419	SIDE	0	0.65	NO	0
OR206	CB632_633	STM1740	SIDE	0	0.65	NO	0
OR2061	St.Anne_J14	J43592	SIDE	1.665	0.65	NO	0
OR207	CB271_638	STM781	SIDE	0	0.65	NO	0
OR2071	St.Anne_J14	J43304	SIDE	1.665	0.65	NO	0
OR208	CB271_638	STM781	SIDE	0	0.65	NO	0
OR2081	TICB122_123_326_327	J18747	BOTTOM	1.4	0.65	NO	0
OR209	CB219_218	STM573	SIDE	0	0.65	NO	0
OR2091	CB319_320	J18337	BOTTOM	1.4	0.65	NO	0
OR21	CB2001_1936	STM3258	SIDE	0	0.65	NO	0
OR210	CB634_269	STM1750	SIDE	0	0.65	NO	0
OR2101	CB564_371	J18756	BOTTOM	1.674	0.65	NO	0
OR211	CB191_237	STM1772	SIDE	0	0.65	NO	0
OR2111	CB117_321	J19808	BOTTOM	1.4	0.65	NO	0
OR212	CB720_670	STM762	SIDE	0	0.65	NO	0
OR2121	CB2089_2179	J26568	BOTTOM	1.422	0.65	NO	0
OR213	CB720_670	STM762	SIDE	0	0.65	NO	0
OR2131	CB2088_2178	J25369	BOTTOM	1.475	0.65	NO	0
OR214	CB718_719	STM835	SIDE	0	0.65	NO	0
OR2141	CB2001_1936	J33132	BOTTOM	1.55	0.65	NO	0
OR215	CB718_719	STM835	SIDE	0	0.65	NO	0
OR2151	CB1935	J31381	BOTTOM	1.464	0.65	NO	0
OR216	CB740_739	STM835	SIDE	0	0.65	NO	0
OR2161	CB5413	J28222	BOTTOM	1.664	0.65	NO	0
OR217	CB740_739	STM835	SIDE	0	0.65	NO	0
OR2171	CB2036_5355	J30666	BOTTOM	1.412	0.65	NO	0
OR218	CB741_738	STM3086	SIDE	0	0.65	NO	0
OR2181	CB2180	J27488	BOTTOM	1.4	0.65	NO	0
OR219	CB683_682	J612	SIDE	0	0.65	NO	0

OR2191	CB5419_5418	J24656	BOTTOM	1.633	0.65	NO	0
OR22	CB1935	STM3255	SIDE	0	0.65	NO	0
OR220	CB741_738	STM3086	SIDE	0	0.65	NO	0
OR2201	CB2137	J24665	BOTTOM	1.4	0.65	NO	0
;Multiple CB's							
OR221	CB669_713	STM835	SIDE	0	0.65	NO	0
OR2211	CB5421_5420	J24660	BOTTOM	1.438	0.65	NO	0
OR222	CB1459	STM2274	SIDE	0	0.65	NO	0
OR2221	CB2138	J24085	BOTTOM	1.58	0.65	NO	0
OR223	CB1422_4249	STM1913	SIDE	0	0.65	NO	0
OR2231	CB2769_2715	J41608	BOTTOM	1.54	0.65	NO	0
OR224	CB1464_1463	STM2871	SIDE	0	0.65	NO	0
OR2241	CB2717_2771	J40703	BOTTOM	1.537	0.65	NO	0
OR2251	CB2799	J39337	BOTTOM	1.469	0.65	NO	0
OR226	CB1420_1459	STM3662	SIDE	0	0.65	NO	0
OR2261	CB2757_2908	J40026	BOTTOM	1.972	0.65	NO	0
OR227	CB1420_1459	STM3662	SIDE	0	0.65	NO	0
OR2271	CB2710_2764	J40712	BOTTOM	1.4	0.65	NO	0
OR228	CB1419_1458	STM3670	SIDE	0	0.65	NO	0
OR2281	CB2906_2752	J39350	BOTTOM	1.527	0.65	NO	0
OR229	CB1418_1457	STM3674	SIDE	0	0.65	NO	0
OR2291	CB1251	J36591	BOTTOM	1.796	0.65	NO	0
OR23	CB1998_1933	STM3909	SIDE	0	0.65	NO	0
OR230	STM3720	CB1484_1582	SIDE	0.616	0.65	NO	0
OR2301	CB4369_4370	J35341	BOTTOM	1.41	0.65	NO	0
OR231	CB1416_1455	STM3681	SIDE	0	0.65	NO	0
OR2311	CB1786_1052	J35293	BOTTOM	1.458	0.65	NO	0
OR232	CB1583_1485	STM1980	SIDE	0	0.65	NO	0
OR2321	CB1737_1038	J29128	BOTTOM	1.494	0.65	NO	0
OR233	CB1576_1479	STM2046	SIDE	0	0.65	NO	0
OR2331	CB1077_4236	J29152	BOTTOM	1.4	0.65	NO	0
OR234	CB1584_1487	STM2175	SIDE	0	0.65	NO	0
OR2341	CB9698_9597	J33682	BOTTOM	1.511	0.65	NO	0
OR235	CB1585_1488	STM2176	SIDE	0	0.65	NO	0
OR2351	CB9593_9594	J30455	BOTTOM	1.426	0.65	NO	0
OR236	CB1475_1570	STM2184	SIDE	0	0.65	NO	0
OR2361	CB9589	J29381	BOTTOM	1.554	0.65	NO	0
OR237	CB1474_1569	STM2619	SIDE	0	0.65	NO	0
OR2371	CB9962	J34940	BOTTOM	1.414	0.65	NO	0
OR238	CB1600_1502	STM3992	SIDE	0	0.65	NO	0
OR2381	CB970_898	J29165	BOTTOM	1.4	0.65	NO	0
OR239	CB1600_1502	STM3992	SIDE	0	0.65	NO	0
OR2391	CB4258	J31659	BOTTOM	1.629	0.65	NO	0
OR24	CB1999_1934	STM3902	SIDE	0	0.65	NO	0
OR240	CB1605_1505	STM2001	SIDE	0	0.65	NO	0
OR2401	CB2046_2047	J24651	BOTTOM	1.477	0.65	NO	0
OR241	CB537_538	STM2665	SIDE	0	0.65	NO	0
OR2411	CB966_894	J29172	BOTTOM	1.4	0.65	NO	0
OR242	CB537_538	STM2665	SIDE	0	0.65	NO	0
OR2421	CB119_120	J20424	BOTTOM	1.559	0.65	NO	0
;continuous grade							
OR243	CB1786_1052	STM1172	SIDE	0	0.65	NO	0
OR2431	CB118_322	J20004	BOTTOM	1.417	0.65	NO	0
OR244	J310	STM1350	SIDE	0	0.65	NO	0
OR2441	CB113_114	J17477	BOTTOM	1.4	0.65	NO	0
OR245	CB1775_1774	STM1642	SIDE	0	0.65	NO	0
OR2451	CB115_317	J17274	BOTTOM	1.585	0.65	NO	0
OR246	CB1738_1039	STM1637	SIDE	0	0.65	NO	0
OR2461	CB116_318	J17485	BOTTOM	2.199	0.65	NO	0
OR247	CB1737_1038	STM1638	SIDE	0	0.65	NO	0
OR2471	CB565_372	J17491	BOTTOM	1.832	0.65	NO	0
OR248	CB926	STM1638	SIDE	0	0.65	NO	0
OR2481	CB566_373	J16445	BOTTOM	1.923	0.65	NO	0
OR249	CB926	STM1638	SIDE	0	0.65	NO	0

OR2491	CB314_313	J16024	BOTTOM	1.466	0.65	NO	0
OR25	CB1995_1930	STM2999	SIDE	0	0.65	NO	0
OR250	CB1107	STM1582	SIDE	0	0.65	NO	0
OR2501	CB112_312	J16021	BOTTOM	1.646	0.65	NO	0
OR251	CB1107	STM1582	SIDE	0	0.65	NO	0
OR2511	St.Anne_J14	ANNE_ST12	SIDE	0	0.65	NO	0
OR252	CB9589	STM1266	SIDE	0	0.65	NO	0
OR2521	CB3089_2828	STM4422	SIDE	0	0.65	NO	0
OR253	CB9589	STM1266	SIDE	0	0.65	NO	0
OR2531	CB110_111	J16017	BOTTOM	1.891	0.65	NO	0
;continuous grade							
OR254	CB9593_9594	STM7209	SIDE	0	0.65	NO	0
OR2541	CB109_309	J16222	BOTTOM	1.499	0.65	NO	0
;continuous grade							
OR255	CB9593_9594	STM7209	SIDE	0	0.65	NO	0
OR2551	CB178_108	J16428	BOTTOM	1.884	0.65	NO	0
;continuous grade							
OR256	CB9595	J92	SIDE	0	0.65	NO	0
OR2561	CB177_107	J17903	BOTTOM	1.424	0.65	NO	0
;continuous grade							
OR257	CB9698_9597	STM7210	SIDE	0	0.65	NO	0
OR2571	CB175_106	J19794	BOTTOM	1.767	0.65	NO	0
;continuous grade							
OR258	CB9698_9597	STM7210	SIDE	0	0.65	NO	0
OR2581	CB173_174	J21464	BOTTOM	1.418	0.65	NO	0
OR259	CB9959_9960	STM7211	SIDE	0	0.65	NO	0
OR2591	CB171_172	J21688	BOTTOM	1.758	0.65	NO	0
OR26	CB1996_1931	STM3896	SIDE	0	0.65	NO	0
OR260	CB9959_9960	STM7211	SIDE	0	0.65	NO	0
OR2601	CB170_101	J21280	BOTTOM	1.63	0.65	NO	0
OR261	CB1001	STM510	SIDE	0	0.65	NO	0
OR2611	CB169	J21284	BOTTOM	1.4	0.65	NO	0
OR262	CB1563	STM510	SIDE	0	0.65	NO	0
OR2621	CB562_369	J20859	BOTTOM	1.494	0.65	NO	0
OR263	CB4212_1561	STM389	SIDE	0	0.65	NO	0
OR2631	J590	B7	SIDE	0	0.65	NO	0
OR264	CB1006_4472	STM389	SIDE	0	0.65	NO	0
OR2640	STM5678	J51982	SIDE	1.161	0.65	NO	0
OR2641	STM5678	J51984	SIDE	1.451	0.65	NO	0
OR2642	STM5673	J51800	SIDE	1.31	0.65	NO	0
OR2643	STM5673	J51801	SIDE	1.832	0.65	NO	0
OR2644	STM5674	J51754	SIDE	1.245	0.65	NO	0
OR2645	STM5674	J51755	SIDE	1.632	0.65	NO	0
OR2647	STM5675	J50492	SIDE	1.203	0.65	NO	0
OR2648	STM5675	J50494	SIDE	1.516	0.65	NO	0
OR2649	STM5676	J50494	SIDE	1.526	0.65	NO	0
OR265	CB1006_4472	STM389	SIDE	0	0.65	NO	0
OR2650	STM5676	J50416	SIDE	1.883	0.65	NO	0
OR2651	STM5679	J50337	SIDE	1.834	0.65	NO	0
OR2652	STM5679	J50338	SIDE	1.818	0.65	NO	0
OR2653	STM5680	J50261	SIDE	1.822	0.65	NO	0
OR2654	STM5680	J50259	SIDE	1.047	0.65	NO	0
OR2656	STM5760	J50099	SIDE	1.537	0.65	NO	0
OR2657	STM5761	J50019	SIDE	1.062	0.65	NO	0
OR2658	STM5761	J50020	SIDE	1.721	0.65	NO	0
OR2659	STM5760	J50100	SIDE	1.78	0.65	NO	0
OR266	CB970_898	STM1246	SIDE	0	0.65	NO	0
OR2661	STM5695	J48962	SIDE	0.888	0.65	NO	0
OR2662	STM5696	J48878	SIDE	0.805	0.65	NO	0
OR2663	STM5696	J48963	SIDE	1.613	0.65	NO	0
OR2664	STM5695	J48963	SIDE	1.593	0.65	NO	0
OR2665	STM5693	J48047	SIDE	1.202	0.65	NO	0
OR2666	STM5694	J47883	SIDE	1.252	0.65	NO	0
OR2667	STM5694	J54322	SIDE	2.17	0.65	NO	0

OR2668	STM5693	J54329	SIDE	2.123	0.65	NO	0
OR2669	CULV1	J47724	SIDE	1.073	0.65	NO	0
OR267	CB970_898	STM1246	SIDE	0	0.65	NO	0
OR2670	CULV2	J47637	SIDE	1.422	0.65	NO	0
OR2671	CULV2	J47639	SIDE	2.3	0.65	NO	0
OR2672	CULV1	J54319	SIDE	2.325	0.65	NO	0
OR2675	STM5692	J54289	SIDE	2.083	0.65	NO	0
OR2676	STM5691	J54292	SIDE	2.116	0.65	NO	0
OR2677	STM5689	J54275	SIDE	1.927	0.65	NO	0
OR2678	STM5687	J54244	SIDE	2.186	0.65	NO	0
OR2679	STM5690	J54272	SIDE	1.955	0.65	NO	0
OR268	CB967_896	STM1246	SIDE	0	0.65	NO	0
OR2681	CB2829_3090	STM4422	SIDE	0	0.65	NO	0
OR2684	STM5688	J54240	SIDE	2.17	0.65	NO	0
OR2687	STM5686	J54216	SIDE	1.861	0.65	NO	0
OR2688	STM5685	J55009	SIDE	2.251	0.65	NO	0
OR269	CB967_896	STM1246	SIDE	0	0.65	NO	0
OR2691	STM5684	J44641	SIDE	2.375	0.65	NO	0
OR2692	STM5683	J44723	SIDE	1.965	0.65	NO	0
OR2695	STM5682	J44478	SIDE	2.389	0.65	NO	0
OR2696	STM5681	J44557	SIDE	2.415	0.65	NO	0
OR2698	STM3151	J54191	SIDE	2.401	0.65	NO	0
OR27	CB1991_1992	STM3304	SIDE	0	0.65	NO	0
OR270	CB950_885	STM458	SIDE	0	0.65	NO	0
OR2700	STM3152	J44173	SIDE	2.746	0.65	NO	0
OR2701	CB2830_3091	STM4682	SIDE	0	0.65	NO	0
OR2702	BD-5	J43969	SIDE	1.485	0.65	NO	0
OR2704	STM3149	J43355	SIDE	2.357	0.65	NO	0
OR2705	STM3150	J43217	SIDE	2.198	0.65	NO	0
OR2706	STM3150	J43287	SIDE	2.673	0.65	NO	0
OR2707	STM3149	J43356	SIDE	2.661	0.65	NO	0
OR2708	CULV3	J42908	SIDE	2.634	0.65	NO	0
OR2709	CULV3	J54128	SIDE	2.95	0.65	NO	0
OR271	CB950_885	STM458	SIDE	0	0.65	NO	0
OR2710	CULV4	J42777	SIDE	2.67	0.65	NO	0
OR2711	CULV4	J42778	SIDE	2.967	0.65	NO	0
OR2712	CULV5	J42460	SIDE	2.456	0.65	NO	0
OR2713	CULV5	J42461	SIDE	2.928	0.65	NO	0
OR2714	CULV6	J42337	SIDE	2.347	0.65	NO	0
OR2715	CULV6	J42338	SIDE	2.825	0.65	NO	0
OR2716	CULV7	J42206	SIDE	2.248	0.65	NO	0
OR2717	CULV8	J42064	SIDE	2.01	0.65	NO	0
OR2718	CULV8	J42137	SIDE	2.646	0.65	NO	0
OR2719	CULV7	J42207	SIDE	2.717	0.65	NO	0
OR272	CB881_963	STM6071	SIDE	0	0.65	NO	0
OR2720	STM3147	J41472	SIDE	2.107	0.65	NO	0
OR2721	STM3147	J54076	SIDE	2.7	0.65	NO	0
OR2722	STM3148	J41341	SIDE	2.57	0.65	NO	0
OR2723	STM4942	J41272	SIDE	2.151	0.65	NO	0
OR2724	STM3145	J40891	SIDE	2.136	0.65	NO	0
OR2725	STM3145	J54063	SIDE	2.543	0.65	NO	0
OR2726	STM3146	J54062	SIDE	2.552	0.65	NO	0
OR2727	STM3146	J40761	SIDE	2.187	0.65	NO	0
OR2728	STM3143	J40311	SIDE	2.171	0.65	NO	0
OR2729	STM3143	J54048	SIDE	2.6	0.65	NO	0
OR273	CB881_963	STM6071	SIDE	0	0.65	NO	0
OR2730	STM3144	J40182	SIDE	2.371	0.65	NO	0
OR2731	STM3144	J40183	SIDE	2.555	0.65	NO	0
OR2732	J685	J40066	SIDE	2.078	0.65	NO	0
OR2733	J686	J39936	SIDE	2.057	0.65	NO	0
OR2734	J686	J39935	SIDE	1.852	0.65	NO	0
OR2735	J685	J40003	SIDE	1.961	0.65	NO	0
OR2736	STM3619	J39576	SIDE	1.643	0.65	NO	0
OR2737	STM3619	J39487	SIDE	2.384	0.65	NO	0

OR2738	CYR_6	J39197	SIDE	0.992	0.65	NO	0
OR2739	CYR_6	J39094	SIDE	0.516	0.65	NO	0
OR274	CB4369_4370	STM270	SIDE	0	0.65	NO	0
OR2740	CYR_5	J38989	SIDE	0.842	0.65	NO	0
OR2741	CYR_5	J38764	SIDE	0.801	0.65	NO	0
OR2742	CYR_4	J38416	SIDE	1.113	0.65	NO	0
OR2743	CYR_4	J38648	SIDE	0.638	0.65	NO	0
OR2744	CYR_3	J38414	SIDE	1.73	0.65	NO	0
OR2745	CYR_3	J38295	SIDE	1.691	0.65	NO	0
OR2746	CYR_C2	J38294	SIDE	1.254	0.65	NO	0
OR2747	CYR_C2	J38412	SIDE	1.5	0.65	NO	0
OR2748	CYR_C1	J38292	SIDE	0.78	0.65	NO	0
OR2749	CYR_C1	J38171	SIDE	1.44	0.65	NO	0
OR275	CB4369_4370	STM270	SIDE	0	0.65	NO	0
OR2750	CYR_2	J52458	SIDE	0.542	0.65	NO	0
OR2751	CYR_2	J38051	SIDE	1.046	0.65	NO	0
OR2752	CYR_1	J37669	SIDE	0.824	0.65	NO	0
OR2753	CYR_1	J37671	SIDE	1.691	0.65	NO	0
OR2754	CYR_OUT	J37791	SIDE	0.633	0.65	NO	0
OR2755	STM6125	J19901	SIDE	2.843	0.65	NO	0
OR276	CB1250	STM270	SIDE	0	0.65	NO	0
OR2761	CB563_370	J20009	BOTTOM	1.553	0.65	NO	0
;continuous grade							
OR277	CB1252	STM431	SIDE	0	0.65	NO	0
OR2771	CB568_375	J14255	BOTTOM	1.614	0.65	NO	0
OR278	CB1251	STM432	SIDE	0	0.65	NO	0
OR2781	CB567_374	J15024	BOTTOM	1.53	0.65	NO	0
OR279	CB1250	STM270	SIDE	0	0.65	NO	0
OR2791	CB130_129	J14255	BOTTOM	1.484	0.65	NO	0
OR28	CB4257	STM3000	SIDE	0	0.65	NO	0
;continuous grade							
OR280	CB1249	STM270	SIDE	0	0.65	NO	0
OR2801	CB331_332_127_128	J14640	BOTTOM	1.963	0.65	NO	0
;continuous grade							
OR281	CB1249	STM270	SIDE	0	0.65	NO	0
OR2811	CB329_125	J13857	BOTTOM	1.415	0.65	NO	0
OR282	CB1162	STM263	SIDE	0	0.65	NO	0
OR2821	CB328_124	J13094	BOTTOM	1.486	0.65	NO	0
OR283	CB1162	STM263	SIDE	0	0.65	NO	0
OR2831	CB138_139	J12013	BOTTOM	1.691	0.65	NO	0
OR284	CB1556_990	STM223	SIDE	0	0.65	NO	0
OR2841	CB151_350	J10614	BOTTOM	1.728	0.65	NO	0
OR2849	STM_F6	STM_F4	SIDE	0	0.65	NO	0
OR285	CB1556_990	STM223	SIDE	0	0.65	NO	0
OR2850	STM_F7	STM_F4	SIDE	0	0.65	NO	0
OR2851	Auto_J	STM1266	SIDE	0	0.65	NO	0
OR2852	Auto_J	STM1266	SIDE	0	0.65	NO	0
OR2853	J66580	STM1247	SIDE	0	0.65	NO	0
OR2854	J66581	STM1247	SIDE	0	0.65	NO	0
OR2855	CB_J66582	J370	SIDE	0	0.65	NO	0
OR2856	CB_J66582	J370	SIDE	0	0.65	NO	0
OR2857	CB_J665821	STM423	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2858	MH19-S	MH19	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2859	MH18-S	MH18	SIDE	0	0.65	NO	0
;continuous grade							
OR286	CB2799	STM3128	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2860	MH17_S2	MH17	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2861	MH17_S2	MH17	SIDE	0	0.65	NO	0
;Changed from CICB inlets to CB lead							
OR2862	MH17-S	MH17	SIDE	0	0.65	NO	0

;Changed from CICB inlets to CB lead								
OR2863	MH9-S	MH9	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2864	MH10-S	MH10	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2865	MH11-S	MH11	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2866	MH16-S	MH16	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2867	MH16-S	MH16	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2868	MH16-S2	MH16	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2869	MH16-S2	MH14	SIDE	0	0.65	NO	0	
OR287	CB3	STM3130	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2870	MH14-S	MH14	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2871	MH15-S	MH15	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2872	MH13-S	MH13	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2873	MH12-S	MH12	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2874	MH8-S	MH8	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2875	MH7-S	MH7	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2876	MH6-S	MH6	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2878	MH4-S	MH4	SIDE	0	0.65	NO	0	
;Changed from CICB inlets to CB lead								
OR2879	MH2-S	MH2	SIDE	0	0.65	NO	0	
;continuous grade								
OR288	CB2719_2773	STM3134	SIDE	0	0.65	NO	0	
OR2881	CB340_141	J10606	BOTTOM	1.688	0.65	NO	0	
;continuous grade								
OR289	CB2718_2772	STM3134	SIDE	0	0.65	NO	0	
OR2891	CB352	J10779	BOTTOM	1.411	0.65	NO	0	
OR29	CB4258	STM3000	SIDE	0	0.65	NO	0	
;continuous grade								
OR290	CB2717_2771	STM3142	SIDE	0	0.65	NO	0	
OR2901	Coro_J2266	J2492	SIDE	1.55	0.65	NO	0	
OR2902	J36	STM2963	SIDE	0	0.65	NO	0	
OR291	CB2770_2716	STM4188	SIDE	0	0.65	NO	0	
OR2911	Coro_J2319	J2253	SIDE	1.55	0.65	NO	0	
OR292	CB2769_2715	STM4192	SIDE	0	0.65	NO	0	
OR2921	Coro_J2319	J2494	SIDE	1.55	0.65	NO	0	
OR293	CB2769_2715	STM4192	SIDE	0	0.65	NO	0	
OR2931	Coro_J2264	J2497	SIDE	1.55	0.65	NO	0	
;continuous grade								
OR294	CB2909_2910	STM4201	SIDE	0	0.65	NO	0	
OR2941	Coro_J2264	J2682	SIDE	1.55	0.65	NO	0	
;continuous grade								
OR295	CB2909_2910	STM4201	SIDE	0	0.65	NO	0	
OR2951	Coro_J2401	J2686	SIDE	1.55	0.65	NO	0	
OR296	CB2765_2711	STM3855	SIDE	0	0.65	NO	0	
OR2961	Coro_J2401	J2874	SIDE	1.55	0.65	NO	0	
OR297	CB2766	STM3855	SIDE	0	0.65	NO	0	
OR2971	Coro_J2151	J2780	SIDE	1.55	0.65	NO	0	
OR298	CB2916_2915	STM3856.1	SIDE	0	0.65	NO	0	
OR2981	Coro_J2151	J3052	SIDE	1.55	0.65	NO	0	
OR299	CB2762_2763	STM3871	SIDE	0	0.65	NO	0	
OR2991	Coro_J2502	J2593	SIDE	1.55	0.65	NO	0	

OR3	CB901	STM2027	SIDE	0	0.65	NO	0
OR30	CB1984	STM2991	SIDE	0	0.65	NO	0
OR300	CB3074_2816	STM5085	SIDE	0	0.65	NO	0
OR3001	Coro_J2502	J2594	SIDE	1.55	0.65	NO	0
OR301	CB2815_3073	STM5081	SIDE	0	0.65	NO	0
OR3011	Coro_J2315	J2675	SIDE	1.55	0.65	NO	0
OR302	CB3075_2817	STM5081	SIDE	0	0.65	NO	0
OR3021	Coro_J2315	J2768	SIDE	1.55	0.65	NO	0
OR303	CB3076_2818	STM5077	SIDE	0	0.65	NO	0
OR3031	Coro_J2312	J3141	SIDE	1.55	0.65	NO	0
OR304	CB3077_2819	STM5070	SIDE	0	0.65	NO	0
OR3041	Coro_J2312	J3542	SIDE	1.55	0.65	NO	0
OR305	CB3078_2820	STM5069	SIDE	0	0.65	NO	0
OR3051	Coro_J2440	J4483	SIDE	1.55	0.65	NO	0
OR306	CB3079_3081	STM4810	SIDE	0	0.65	NO	0
OR3061	Coro_J2440	J4719	SIDE	1.55	0.65	NO	0
OR307	CB3079_3081	STM4810	SIDE	0	0.65	NO	0
OR3071	Coro_J2481	J5067	SIDE	1.55	0.65	NO	0
OR308	CB941_155	STM4809	SIDE	0	0.65	NO	0
OR3081	Coro_J2481	J4951	SIDE	1.55	0.65	NO	0
OR309	CB941_155	STM4809	SIDE	0	0.65	NO	0
OR3091	Coro_J2438	J4720	SIDE	1.55	0.65	NO	0
OR31	CB1985_1929	STM2990	SIDE	0	0.65	NO	0
OR310	CB4357_4326	STM4	SIDE	0	0.65	NO	0
OR3101	Coro_J2438	J4843	SIDE	1.55	0.65	NO	0
OR311	CB31	STM3	SIDE	0	0.65	NO	0
OR3111	Coro_J2439	J4956	SIDE	1.55	0.65	NO	0
OR312	CB30	STM3868	SIDE	0	0.65	NO	0
OR3121	Coro_J2439	J5072	SIDE	1.55	0.65	NO	0
OR313	CB2826_3087	STM4654	SIDE	0	0.65	NO	0
OR3131	Coro_J32	J4371	SIDE	1.55	0.65	NO	0
OR314	CB3088_2827	STM4650	SIDE	0	0.65	NO	0
OR3141	Coro_J32	J4156	SIDE	1.55	0.65	NO	0
OR315	CB3089_2828	STM4422	SIDE	0	0.65	NO	0
OR3151	Coro_J2222	J4265	SIDE	1.55	0.65	NO	0
;continuous grade							
OR316	CB2841	STM4390	SIDE	0	0.65	NO	0
OR3161	Coro_J2222	J3946	SIDE	1.55	0.65	NO	0
;continuous grade							
OR317	CB2840_3105	STM4389	SIDE	0	0.65	NO	0
OR3171	Coro_J33	J4054	SIDE	1.55	0.65	NO	0
;continuous grade							
OR318	CB2839_3101	STM4755	SIDE	0	0.65	NO	0
OR3181	Coro_J33	J3947	SIDE	1.55	0.65	NO	0
OR319	CB2858_3126	STM4711	SIDE	0	0.65	NO	0
OR3191	Coro_J38	J3845	SIDE	1.55	0.65	NO	0
OR32	CB1986	STM2993	SIDE	0	0.65	NO	0
OR320	CB2869_3137	STM4729	SIDE	0	0.65	NO	0
OR3201	Coro_J38	J3545	SIDE	1.55	0.65	NO	0
OR321	CB2868_3136	STM4719	SIDE	0	0.65	NO	0
OR3211	Coro_J2149	J3248	SIDE	1.55	0.65	NO	0
OR322	CB3135_2867	STM4721	SIDE	0	0.65	NO	0
OR3221	Coro_J2149	J3049	SIDE	1.55	0.65	NO	0
OR323	CB3141_3140	STM4722	SIDE	0	0.65	NO	0
OR3231	Coro_J2324	J2681	SIDE	1.55	0.65	NO	0
OR324	CB2875_3148	STM4690	SIDE	0	0.65	NO	0
OR3241	Coro_J2324	J2680	SIDE	1.55	0.65	NO	0
OR325	CB3145_2874	STM4694	SIDE	0.075	0.65	NO	0
OR3251	Coro_J2321	J3247	SIDE	1.55	0.65	NO	0
OR326	CB3138_2870	STM4737	SIDE	0	0.65	NO	0
OR3261	Coro_J2321	J3246	SIDE	1.55	0.65	NO	0
OR327	CB3138_2870	STM4737	SIDE	0	0.65	NO	0
OR3271	Coro_J2404	J3547	SIDE	1.55	0.65	NO	0
OR328	CB3129_2861	STM4678	SIDE	0	0.65	NO	0

OR3281	Coro_J2404	J3742	SIDE	1.55	0.65	NO	0
OR329	CB3128_2860	STM4672	SIDE	0	0.65	NO	0
OR3291	Coro_J2413	J4487	SIDE	1.55	0.65	NO	0
OR33	CB1982_1927	STM2585	SIDE	0	0.65	NO	0
OR330	CB3134_2866	STM4672	SIDE	0	0.65	NO	0
OR3301	Coro_J2413	J4602	SIDE	1.55	0.65	NO	0
OR331	CB2829_3090	STM4422	SIDE	0	0.65	NO	0
OR3311	Coro_J2501	J3053	SIDE	1.55	0.65	NO	0
OR332	CB2831_3092	STM4419	SIDE	0	0.65	NO	0
OR3321	Coro_J2501	J3153	SIDE	1.55	0.65	NO	0
;continuous grade							
OR333	CB2940_3011	STM4351	SIDE	0	0.65	NO	0
OR3331	Coro_J2499	J3654	SIDE	1.55	0.65	NO	0
OR334	CB3109_2842	STM4390	SIDE	0	0.65	NO	0
OR3341	Coro_J2499	J3748	SIDE	1.55	0.65	NO	0
;continuous grade							
OR335	CB2939_3008	STM4351	SIDE	0	0.65	NO	0
OR3351	Coro_J2497	J4170	SIDE	1.55	0.65	NO	0
;continuous grade							
OR336	CB3005_2938	STM4351	SIDE	0	0.65	NO	0
OR3361	Coro_J2497	J4490	SIDE	1.55	0.65	NO	0
OR337	CB2937_2999	STM4351	SIDE	0	0.65	NO	0
OR3371	Coro_J2495	J4848	SIDE	1.55	0.65	NO	0
;continuous grade							
OR338	CB2996_2935	STM4373	SIDE	0	0.65	NO	0
OR3381	Coro_J2495	J4957	SIDE	1.55	0.65	NO	0
OR339	CB2933_2994	STM4373	SIDE	0	0.65	NO	0
OR3391	Coro_J2491	J5725	SIDE	1.55	0.65	NO	0
OR34	CB1981	STM2584	SIDE	0	0.65	NO	0
OR340	CB2832_2833	STM3877	SIDE	0	0.65	NO	0
OR3401	Coro_J2491	J5589	SIDE	1.55	0.65	NO	0
;continuous grade							
OR341	CB2992_2926	STM3876	SIDE	0	0.65	NO	0
OR3411	CB4235_351	J10120	BOTTOM	1.467	0.65	NO	0
OR342	CB2927_2990	STM3871	SIDE	0	0.65	NO	0
OR3421	CB353_152	J9798	BOTTOM	1.412	0.65	NO	0
;continuous grade							
OR343	CB2913_2759	STM3856	SIDE	0	0.65	NO	0
OR3431	CB381_574	J9804	BOTTOM	1.459	0.65	NO	0
;continuous grade							
OR344	CB4	STM4202	SIDE	0	0.65	NO	0
OR3441	CB573_380	J10627	BOTTOM	1.427	0.65	NO	0
OR3449	J643	STM6071	SIDE	0	0.65	NO	0
OR345	CB2757_2908	STM4202.1	SIDE	0	0.65	NO	0
OR3451	CB382_575	J9026	BOTTOM	1.81	0.65	NO	0
OR346	CB349_150	STM2366	SIDE	0	0.65	NO	0
OR3461	CB571_378	J11711	BOTTOM	1.585	0.65	NO	0
OR347	CB151_350	STM2361	SIDE	0	0.65	NO	0
OR3471	CB570_377	J12739	BOTTOM	1.521	0.65	NO	0
OR348	CB4235_351	STM1861	SIDE	0	0.65	NO	0
OR3481	CB572_379	J11394	BOTTOM	1.511	0.65	NO	0
OR349	CB353_152	STM1860	SIDE	0	0.65	NO	0
OR3491	CB605_211	J12385	BOTTOM	1.413	0.65	NO	0
OR35	CB1980_1925	STM2582	SIDE	0	0.65	NO	0
OR350	CB352	STM2356	SIDE	0	0.65	NO	0
OR3501	CB569_376	J12925	BOTTOM	1.559	0.65	NO	0
OR351	CB13_63	STM1102	SIDE	0	0.65	NO	0
OR3511	CB210_604	J12214	BOTTOM	1.452	0.65	NO	0
OR352	CB576_383	STM301	SIDE	0	0.65	NO	0
OR3521	CB626_627	J12035	BOTTOM	1.879	0.65	NO	0
OR353	CB576_383	STM301	SIDE	0	0.65	NO	0
OR3531	CB625_264	J10941	BOTTOM	1.436	0.65	NO	0
OR354	CB382_575	J18	SIDE	0	0.65	NO	0
OR3541	CB576_383	J7970	BOTTOM	1.4	0.65	NO	0

OR355	CB382_575	J18	SIDE	0	0.65	NO	0
OR3551	CB348_149	J7228	BOTTOM	1.516	0.65	NO	0
OR356	CB381_574	J19	SIDE	0	0.65	NO	0
OR3561	CB612_253	J6388	BOTTOM	1.936	0.65	NO	0
OR357	CB381_574	J19	SIDE	0	0.65	NO	0
OR3571	CB347_148	J7371	BOTTOM	1.545	0.65	NO	0
OR358	CB573_380	STM300	SIDE	0	0.65	NO	0
OR3581	CB346_147	J7660	BOTTOM	1.426	0.65	NO	0
OR359	CB573_380	STM300	SIDE	0	0.65	NO	0
OR3591	CB344_145	J8707	BOTTOM	1.655	0.65	NO	0
OR36	CB1977_1923	STM2583	SIDE	0	0.65	NO	0
OR360	CB572_379	STM73	SIDE	0	0.65	NO	0
OR3601	CB343_144	J9012	BOTTOM	1.466	0.65	NO	0
OR361	CB572_379	STM73	SIDE	0	0.65	NO	0
OR3611	CB59_11	J6078	BOTTOM	1.4	0.65	NO	0
OR362	CB571_378	STM73	SIDE	0	0.65	NO	0
OR3621	CB579	J5406	BOTTOM	1.679	0.65	NO	0
OR363	CB571_378	STM73	SIDE	0	0.65	NO	0
OR3631	CB580	J4918	BOTTOM	1.403	0.65	NO	0
OR364	CB570_377	J6	SIDE	0	0.65	NO	0
OR3641	CB10_56	J4677	BOTTOM	1.4	0.65	NO	0
OR365	CB570_377	J6	SIDE	0	0.65	NO	0
OR3651	CB53_52	J4907	BOTTOM	1.84	0.65	NO	0
OR366	CB569_376	J7	SIDE	0	0.65	NO	0
OR3661	CB9_4234	J5020	BOTTOM	1.652	0.65	NO	0
OR367	CB569_376	J7	SIDE	0	0.65	NO	0
OR3671	CB581_582	J3706	BOTTOM	1.401	0.65	NO	0
;continuous grade							
OR368	CB567_374	J9	SIDE	0	0.65	NO	0
OR3681	CB583_388	J3303	BOTTOM	1.656	0.65	NO	0
;continuous grade							
OR369	CB567_374	J9	SIDE	0	0.65	NO	0
OR3691	CB25_4223	J2733	BOTTOM	1.628	0.65	NO	0
OR37	CB1924_1978	STM3915	SIDE	0	0.65	NO	0
OR370	CB566_373	STM87	SIDE	0	0.65	NO	0
OR3701	CB584_389	J2377	BOTTOM	1.423	0.65	NO	0
OR371	CB566_373	STM87	SIDE	0	0.65	NO	0
OR3711	CB76_24	J2730	BOTTOM	1.626	0.65	NO	0
;continuous grade							
OR372	CB565_372	J11	SIDE	0	0.65	NO	0
OR3721	CB22_74	J2914	BOTTOM	2.245	0.65	NO	0
;continuous grade							
OR373	CB565_372	J11	SIDE	0	0.65	NO	0
OR3731	CB36_86	J2635	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR374	CB564_371	STM100	SIDE	0	0.65	NO	0
OR3741	CB37_87	J1785	BOTTOM	1.846	0.65	NO	0
;continuous grade							
OR375	CB564_371	STM100	SIDE	0	0.65	NO	0
OR3751	CB34_35	J1349	BOTTOM	1.4	0.65	NO	0
OR376	CB563_370	J23	SIDE	0	0.65	NO	0
OR3761	CB75_23	J2817	BOTTOM	1.431	0.65	NO	0
OR377	CB563_370	J23	SIDE	0	0.65	NO	0
OR3771	CB15_68	J2540	BOTTOM	1.446	0.65	NO	0
OR378	CB562_369	STM109	SIDE	0	0.65	NO	0
OR3781	CB4225_67	J1947	BOTTOM	1.4	0.65	NO	0
OR379	CB562_369	STM109	SIDE	0	0.65	NO	0
OR3791	CB4224_16	J2536	BOTTOM	1.421	0.65	NO	0
OR38	CB1979	STM3912	SIDE	0	0.65	NO	0
;continuous grade							
OR380	CB368	Lesp_J64	SIDE	0	0.65	NO	0
OR3801	CB17_69	J2814	BOTTOM	1.461	0.65	NO	0
;continuous grade							
OR381	CB560_367	Lesp_J64	SIDE	0	0.65	NO	0

OR3811	CB335_133	J12911	BOTTOM	1.672	0.65	NO	0
;continuous grade							
OR382	CB560_367	Lesp_J64	SIDE	0	0.65	NO	0
OR3821	CB334_132	J12916	BOTTOM	1.56	0.65	NO	0
OR383	CB412_413_366	STM114	SIDE	0	0.65	NO	0
OR3831	CB131_333	J12921	BOTTOM	1.4	0.65	NO	0
OR384	CB412_413_366	STM114	SIDE	0	0.65	NO	0
OR3841	CB349_150	J10280	BOTTOM	1.425	0.65	NO	0
OR385	CB406_365	STM116.1	SIDE	0	0.65	NO	0
OR3851	CB330_126	J14635	BOTTOM	1.452	0.65	NO	0
OR386	CB406_365	STM116.1	SIDE	0	0.65	NO	0
OR3861	CB140	J11851	BOTTOM	1.435	0.65	NO	0
OR387	CB197_593	STM621	SIDE	0	0.65	NO	0
OR3871	CB341_342	J9943	BOTTOM	1.4	0.65	NO	0
OR388	CB197_593	STM621	SIDE	0	0.65	NO	0
OR3881	CB345_146	J8406	BOTTOM	1.49	0.65	NO	0
OR389	CB189_228	STM477	SIDE	0	0.65	NO	0
OR3891	CB48	J7072	BOTTOM	1.463	0.65	NO	0
;continuous grade							
OR39	CB2035_1973	STM2569	SIDE	0	0.65	NO	0
OR390	CB189_228	STM477	SIDE	0	0.65	NO	0
OR3901	CB54_55	J4911	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR391	CB592_196	STM113.2	SIDE	0	0.65	NO	0
OR3911	CB585_395	J1874	BOTTOM	1.486	0.65	NO	0
;continuous grade							
OR392	CB592_196	STM113.2	SIDE	0	0.65	NO	0
OR3921	CB586_590	J1285	BOTTOM	1.4	0.65	NO	0
OR393	CB227	STM486	SIDE	0	0.65	NO	0
OR3931	CB577_384	J6507	BOTTOM	1.4	0.65	NO	0
OR394	CB227	STM486	SIDE	0	0.65	NO	0
OR3941	CB578	J5811	BOTTOM	1.658	0.65	NO	0
OR395	CB278_277	STM583	SIDE	0	0.65	NO	0
OR3951	CB460_461	J1176	BOTTOM	1.535	0.65	NO	0
OR396	CB278_277	STM583	SIDE	0	0.65	NO	0
OR3961	CB459_648	J1501	BOTTOM	1.488	0.65	NO	0
;continuous grade							
OR397	CB62_12	STM1285	SIDE	0	0.65	NO	0
OR3971	CB458_647	J1967	BOTTOM	1.535	0.65	NO	0
OR398	CB8_51	STM1285	SIDE	0	0.65	NO	0
OR3981	CB457_4216	J2651	BOTTOM	1.528	0.65	NO	0
;Multiple CB's							
OR399	CB71_19	STM1279	SIDE	0	0.65	NO	0
OR3991	CB632_633	J15447	BOTTOM	1.639	0.65	NO	0
OR4	CB2018_1952	STM3497	SIDE	0.148	0.65	NO	0
;continuous grade							
OR40	CB1974	STM2562	SIDE	0	0.65	NO	0
OR400	MHC1A_1	J15757	BOTTOM	2.92	0.65	NO	0
OR4001	CB268_631	J14088	BOTTOM	1.4	0.65	NO	0
OR401	CB204_598	STM672	SIDE	0	0.65	NO	0
OR4011	CB726_725	J15051	BOTTOM	1.688	0.65	NO	0
OR402	CB204_598	STM672	SIDE	0	0.65	NO	0
OR4021	CB723_724	J14680	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR403	CB361_360	STM113.2	SIDE	0	0.65	NO	0
OR4031	CB634_269	J16677	BOTTOM	1.422	0.65	NO	0
;continuous grade							
OR404	CB363_364	STM113.2	SIDE	0	0.65	NO	0
OR4041	CB637_635	J18158	BOTTOM	1.545	0.65	NO	0
OR405	CB359_358	J1	SIDE	0	0.65	NO	0
OR4051	CB636_270	J19417	BOTTOM	1.751	0.65	NO	0
;continuous grade							
OR406	J413	STM237	SIDE	0	0.65	NO	0
OR4061	CB238_239	J21309	BOTTOM	1.42	0.65	NO	0

;continuous grade								
OR407	J412	STM237	SIDE	0	0.65	NO	0	
OR4071	CB191_237	J23772	BOTTOM	1.413	0.65	NO	0	
OR408	CB359_358	J1	SIDE	0	0.65	NO	0	
OR4081	CB267_630	J12406	BOTTOM	1.819	0.65	NO	0	
OR409	CB1558	STM221	SIDE	0	0.65	NO	0	
OR4091	CB8337_8336	J11101	BOTTOM	1.689	0.65	NO	0	
OR41	CB1976_1922	STM2577	SIDE	0	0.65	NO	0	
OR410	CB1558	STM221	SIDE	0	0.65	NO	0	
OR4101	CB4292_4291	J10148	BOTTOM	1.895	0.65	NO	0	
OR411	CB1557	STM222	SIDE	0	0.65	NO	0	
OR4111	CB4281_4296	J9047	BOTTOM	1.418	0.65	NO	0	
OR412	CB1557	STM222	SIDE	0	0.65	NO	0	
OR4121	CB4287_4288	J7995	BOTTOM	1.4	0.65	NO	0	
;Multiple CB's								
OR413	CB4376	STM423	SIDE	0	0.65	NO	0	
OR4131	CB4285_4286	J6392	BOTTOM	1.4	0.65	NO	0	
OR414	CB9599	STM7211	SIDE	0	0.65	NO	0	
OR4141	CB306A	J5566	BOTTOM	1.47	0.65	NO	0	
OR415	CB9601	STM7212	SIDE	0	0.65	NO	0	
OR4151	CB259_620	J5687	BOTTOM	1.561	0.65	NO	0	
OR416	CB3131_3130	STM4658	SIDE	0	0.65	NO	0	
OR4161	CB621_260	J6801	BOTTOM	1.633	0.65	NO	0	
OR417	CB2830_3091	STM4682	SIDE	0	0.65	NO	0	
OR4171	CB601	J15824	BOTTOM	1.412	0.65	NO	0	
OR418	CB3146_3147	STM4686	SIDE	0	0.65	NO	0	
OR4181	CB600_206	J15632	BOTTOM	1.477	0.65	NO	0	
OR419	CB3149_2876	STM4702	SIDE	0	0.65	NO	0	
OR4191	CB368	J21920	BOTTOM	1.46	0.65	NO	0	
OR42	CB1975_1921	STM2573	SIDE	0	0.65	NO	0	
OR420	CB2877_3150	STM4695	SIDE	0	0.65	NO	0	
OR4201	CB560_367	J22133	BOTTOM	1.488	0.65	NO	0	
OR421	CB2865_2864	STM4668	SIDE	0	0.65	NO	0	
OR4211	CB592_196	J26252	BOTTOM	1.754	0.65	NO	0	
OR422	J472	STM2129	SIDE	0	0.65	NO	0	
OR4221	CB189_228	J26042	BOTTOM	1.567	0.65	NO	0	
OR423	CB3086_2825	STM3868	SIDE	0	0.65	NO	0	
OR4231	CB188_187	J25435	BOTTOM	1.47	0.65	NO	0	
OR424	CB4279_4297	STM3	SIDE	0	0.65	NO	0	
OR4241	CB227	J25057	BOTTOM	1.465	0.65	NO	0	
;continuous grade								
OR425	CB3085_2824	STM001	SIDE	0	0.65	NO	0	
OR4251	CB4211	J24886	BOTTOM	1.443	0.65	NO	0	
OR426	CB4266_4278	STM7160	SIDE	0	0.65	NO	0	
OR4261	CB278_277	J25647	BOTTOM	1.574	0.65	NO	0	
;continuous grade								
OR427	CB3084_2823	STM4528	SIDE	0	0.65	NO	0	
OR4271	CB201_202	J21086	BOTTOM	1.66	0.65	NO	0	
OR428	CB2083	STM4518	SIDE	0	0.65	NO	0	
OR4281	CB594_200	J22551	BOTTOM	1.812	0.65	NO	0	
OR429	CB2083	STM4518	SIDE	0	0.65	NO	0	
OR4291	CB965_663	J29175	BOTTOM	1.4	0.65	NO	0	
OR43	CB723_724	STM762	SIDE	0	0.65	NO	0	
;Multiple CB's								
OR430	CB2767	STM3855	SIDE	0	0.65	NO	0	
OR4301	CB660_890	J29180	BOTTOM	1.551	0.65	NO	0	
OR431	CB2907_2753	STM4316	SIDE	0	0.65	NO	0	
OR4311	CB6302_6303	J29407	BOTTOM	1.697	0.65	NO	0	
OR432	CB2906_2752	STM3124	SIDE	0	0.65	NO	0	
OR4321	CB658_887	J28716	BOTTOM	1.597	0.65	NO	0	
;continuous grade								
OR433	CB2800_2740	STM3123	SIDE	0	0.65	NO	0	
OR4331	CB359_358	J27022	BOTTOM	1.524	0.65	NO	0	
OR434	CB2802_2741	STM3124	SIDE	0	0.65	NO	0	

OR4341	CB361_360	J26248	BOTTOM	1.42	0.65	NO	0
OR435	CB2742_2805	J338	SIDE	0	0.65	NO	0
OR4351	CB363_364	J26032	BOTTOM	1.536	0.65	NO	0
OR436	CB2750	STM4315	SIDE	0	0.65	NO	0
OR4361	CB412_413_366	J23552	BOTTOM	1.516	0.65	NO	0
OR437	CB1611	STM2420	SIDE	0	0.65	NO	0
OR4371	CB4316_402	J25622	BOTTOM	1.459	0.65	NO	0
OR438	CB1609_1610	STM2420	SIDE	0	0.65	NO	0
OR4381	CB182_223	J20660	BOTTOM	1.483	0.65	NO	0
OR439	CB1625_1518	STM2421	SIDE	0	0.65	NO	0
OR4391	CB4219_4218	J20661	BOTTOM	1.422	0.65	NO	0
OR44	CB723_724	STM762	SIDE	0	0.65	NO	0
OR440	J281	J274	SIDE	0	0.65	NO	0
OR4401	CB183_224	J22556	BOTTOM	1.617	0.65	NO	0
OR441	CB1626_1519	STM2428	SIDE	0.199	0.65	NO	0
OR4411	CB551_552	J21750	BOTTOM	1.455	0.65	NO	0
OR442	CB1627_1520	STM2428	SIDE	0	0.65	NO	0
OR4421	CB550_696	J21330	BOTTOM	1.4	0.65	NO	0
OR443	CB1620	STM2148	SIDE	0	0.65	NO	0
OR4431	CB1556_990	J33478	BOTTOM	1.532	0.65	NO	0
OR444	CB1640	STM2148	SIDE	0	0.65	NO	0
OR4441	CB1162	J33929	BOTTOM	1.409	0.65	NO	0
OR445	CB1529_1642	STM2148	SIDE	0	0.65	NO	0
OR4451	CB1161	J32772	BOTTOM	1.59	0.65	NO	0
OR446	CB1639_1641	STM2846	SIDE	0	0.65	NO	0
OR4461	CB1160_1246	J31768	BOTTOM	1.523	0.65	NO	0
OR447	CB1531	STM2147	SIDE	0	0.65	NO	0
OR4471	CB4396_4397	J31507	BOTTOM	1.452	0.65	NO	0
;continuous grade							
OR448	CB1646_1534	STM2154	SIDE	0	0.65	NO	0
OR4481	CB4376	J31261	BOTTOM	1.438	0.65	NO	0
;continuous grade							
OR449	CB1535_1647	STM2159	SIDE	0	0.65	NO	0
OR4491	CB1552_984	J30506	BOTTOM	1.422	0.65	NO	0
OR45	CB1993_1994	STM3301	SIDE	0	0.65	NO	0
;continuous grade							
OR450	CB1648_1534	STM2160	SIDE	0	0.65	NO	0
OR4501	CB1549_975	J31532	BOTTOM	1.528	0.65	NO	0
;continuous grade							
OR451	CB1649_1537	STM2160	SIDE	0	0.65	NO	0
OR4511	CB1554_987	J32547	BOTTOM	1.4	0.65	NO	0
OR452	CB1538_1650	STM2807	SIDE	0	0.65	NO	0
OR4521	CB1014	J34789	BOTTOM	1.558	0.65	NO	0
OR453	CB1539_1651	STM2807	SIDE	0	0.65	NO	0
OR4531	CB1006_4472	J34980	BOTTOM	1.633	0.65	NO	0
OR454	CB1540_1652	STM2802	SIDE	0	0.65	NO	0
OR4541	CB4212_1561	J35167	BOTTOM	1.4	0.65	NO	0
OR455	CB1661_1547	STM2802	SIDE	0	0.65	NO	0
OR4551	CB1563	J36737	BOTTOM	1.446	0.65	NO	0
OR456	CB1548_1662	STM2803	SIDE	0	0.65	NO	0
OR4561	CB1001	J36605	BOTTOM	1.461	0.65	NO	0
OR457	CB1554_987	STM3815	SIDE	0	0.65	NO	0
OR4571	CB1548_1662	J33273	BOTTOM	1.417	0.65	NO	0
OR458	CB1549_975	STM3815	SIDE	0	0.65	NO	0
OR4581	CB1661_1547	J34803	BOTTOM	1.637	0.65	NO	0
OR459	CB1015	STM388	SIDE	0	0.65	NO	0
OR4591	CB1540_1652	J35709	BOTTOM	1.4	0.65	NO	0
OR46	CB1989_1990	STM3301	SIDE	0	0.65	NO	0
OR460	CB1014	STM388	SIDE	0	0.65	NO	0
OR4601	CB1539_1651	J36191	BOTTOM	1.641	0.65	NO	0
;Multiple CB's							
OR461	CB1555_988	STM162	SIDE	0	0.65	NO	0
OR4611	CB1649_1537	J37293	BOTTOM	1.486	0.65	NO	0
;Multiple CB's							

OR462	CB4381_4380	STM232	SIDE	0	0.65	NO	0
OR4621	CB1535_1647	J37691	BOTTOM	1.4	0.65	NO	0
;Multiple CB's							
OR463	CB1552_984	STM3815	SIDE	0.139	0.65	NO	0
OR4631	CB1646_1534	J37429	BOTTOM	1.525	0.65	NO	0
OR464	CB4373	STM424	SIDE	0	0.65	NO	0
OR4641	CB1529_1642	J35551	BOTTOM	1.521	0.65	NO	0
OR465	CB4373	STM424	SIDE	0	0.65	NO	0
OR4651	CB1640	J35020	BOTTOM	1.51	0.65	NO	0
OR466	CB993	STM422	SIDE	0	0.65	NO	0
OR4661	CB1639_1641	J33295	BOTTOM	1.591	0.65	NO	0
;continuous grade							
OR467	CB4321	STM6027	SIDE	0	0.65	NO	0
OR4671	CB976	J31020	BOTTOM	1.505	0.65	NO	0
;continuous grade							
OR468	CB4321	STM6027	SIDE	0	0.65	NO	0
OR4681	CB1628_1629	J31282	BOTTOM	1.354	0.65	NO	0
;Multiple CB's							
OR469	CB1679_1842	STM7213	SIDE	0	0.65	NO	0
OR4691	CB1630_1521	J33042	BOTTOM	1.383	0.65	NO	0
OR47	CB1987_1988	STM3003	SIDE	0	0.65	NO	0
;Multiple CB's							
OR470	CB9605_9604	STM7213	SIDE	0	0.65	NO	0
OR4701	CB9959_9960	J34752	BOTTOM	1.492	0.65	NO	0
OR471	CB9962	STM7211	SIDE	0	0.65	NO	0
OR4711	CB2719_2773	J39885	BOTTOM	1.414	0.65	NO	0
OR472	CB9962	STM7211	SIDE	0	0.65	NO	0
OR4721	CB2718_2772	J40256	BOTTOM	1.649	0.65	NO	0
;Multiple CB's							
OR473	CB1126_924	STM1626	SIDE	0	0.65	NO	0
OR4731	CB2770_2716	J41093	BOTTOM	1.499	0.65	NO	0
OR474	CB1087	STM1274	SIDE	0	0.65	NO	0
OR4741	CB2909_2910	J40022	BOTTOM	1.414	0.65	NO	0
OR475	CB1087	STM1274	SIDE	0	0.65	NO	0
OR4751	CB2800_2740	J39051	BOTTOM	1.618	0.65	NO	0
OR476	CB1078	STM1266	SIDE	0	0.65	NO	0
OR4761	CB2802_2741	J39055	BOTTOM	1.456	0.65	NO	0
OR477	CB1078	STM1266	SIDE	0	0.65	NO	0
OR4771	CB2907_2753	J39613	BOTTOM	1.48	0.65	NO	0
OR478	CB1077_4236	STM1266	SIDE	0	0.65	NO	0
OR4781	CB2913_2759	J40335	BOTTOM	1.461	0.65	NO	0
OR479	CB1074	STM1255	SIDE	0	0.65	NO	0
OR4791	CB2916_2915	J40717	BOTTOM	1.741	0.65	NO	0
OR48	CB2122_5358	STM1805.1	SIDE	0	0.65	NO	0
OR480	CB1077_4236	STM1266	SIDE	0	0.65	NO	0
OR4801	CB2762_2763	J40718	BOTTOM	1.4	0.65	NO	0
OR481	CB1065	STM1255	SIDE	0	0.65	NO	0
OR4811	CB2992_2926	J41621	BOTTOM	1.449	0.65	NO	0
OR482	CB1065	STM1255	SIDE	0	0.65	NO	0
OR4821	CB3075_2817	J42307	BOTTOM	1.4	0.65	NO	0
OR483	CB973_903	J81	SIDE	0	0.65	NO	0
OR4831	CB2933_2994	J43124	BOTTOM	1.526	0.65	NO	0
OR484	CB973_903	J81	SIDE	0	0.65	NO	0
OR4841	CB2996_2935	J43495	BOTTOM	1.4	0.65	NO	0
OR485	CB966_894	STM1247	SIDE	0	0.65	NO	0
OR4851	CB2937_2999	J43838	BOTTOM	1.855	0.65	NO	0
OR486	CB966_894	STM1247	SIDE	0	0.65	NO	0
OR4861	CB2939_3008	J44503	BOTTOM	1.678	0.65	NO	0
OR487	CB965_663	STM1247	SIDE	0	0.65	NO	0
OR4871	CB3005_2938	J44326	BOTTOM	1.51	0.65	NO	0
OR488	CB965_663	STM1247	SIDE	0	0.65	NO	0
OR4881	CB2940_3011	J44620	BOTTOM	1.616	0.65	NO	0
OR489	CB660_890	STM253	SIDE	0	0.65	NO	0
OR4891	CB3109_2842	J45062	BOTTOM	1.456	0.65	NO	0

;continuous grade							
OR49	CB34_35	STM820	SIDE	0	0.65	NO	0
OR490	CB660_890	STM253	SIDE	0	0.65	NO	0
OR4901	CB2841	J45158	BOTTOM	1.443	0.65	NO	0
OR491	CB6302_6303	STM253	SIDE	0	0.65	NO	0
OR4911	CB2831_3092	J45066	BOTTOM	1.423	0.65	NO	0
OR492	CB6302_6303	STM253	SIDE	0	0.65	NO	0
OR4921	CB3089_2828	J45072	BOTTOM	1.494	0.65	NO	0
OR493	J414	STM253	SIDE	0	0.65	NO	0
OR4931	CB2840_3105	J45463	BOTTOM	1.408	0.65	NO	0
;continuous grade							
OR494	J411	STM253	SIDE	0	0.65	NO	0
OR4941	CB2839_3101	J46056	BOTTOM	1.183	0.65	NO	0
OR495	CB657_886	STM458	SIDE	0	0.65	NO	0
OR4951	CB2858_3126	J46544	BOTTOM	1.471	0.65	NO	0
OR496	CB657_886	STM458	SIDE	0	0.65	NO	0
OR4961	CB2837_2838	J46641	BOTTOM	1.476	0.65	NO	0
;continuous grade							
OR497	CB1308_1309	STM6026	SIDE	0	0.65	NO	0
OR4971	CB3095_2836	J46967	BOTTOM	1.407	0.65	NO	0
;continuous grade							
OR498	CB1308_1309	STM6026	SIDE	0	0.65	NO	0
OR4981	CB3135_2867	J46815	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR499	CB1306_1307	STM6026	SIDE	0	0.65	NO	0
OR4991	CB2868_3136	J46974	BOTTOM	1.592	0.65	NO	0
OR5	CB_ST,G1	MHG1	SIDE	0.499	0.65	NO	0
;continuous grade							
OR50	CB37_87	STM825	SIDE	0	0.65	NO	0
;continuous grade							
OR500	CB1306_1307	STM6026	SIDE	0	0.65	NO	0
OR5001	CB2869_3137	J47072	BOTTOM	1.305	0.65	NO	0
;continuous grade							
OR501	CB1304_1305	STM6012	SIDE	0	0.65	NO	0
OR5011	CB3138_2870	J47082	BOTTOM	1.425	0.65	NO	0
;continuous grade							
OR502	CB1304_1305	STM6012	SIDE	0	0.65	NO	0
OR5021	CB3145_2874	J45591	BOTTOM	1.855	0.65	NO	0
OR503	CB1302_1303	STM5952	SIDE	0	0.65	NO	0
OR5031	CB2875_3148	J45174	BOTTOM	1.699	0.65	NO	0
OR504	CB1302_1303	STM5952	SIDE	0	0.65	NO	0
OR5041	CB3146_3147	J45033	BOTTOM	1.742	0.65	NO	0
OR505	CB1287_1298	STM5952	SIDE	0	0.65	NO	0
OR5051	CB2830_3091	J44944	BOTTOM	1.639	0.65	NO	0
OR506	CB1287_1298	STM5952	SIDE	0	0.65	NO	0
OR5061	CB2829_3090	J44983	BOTTOM	1.4	0.65	NO	0
OR507	CB1220_1221	STM5951	SIDE	0	0.65	NO	0
OR5071	CB3088_2827	J44932	BOTTOM	1.883	0.65	NO	0
OR508	CB1220_1221	STM5951	SIDE	0	0.65	NO	0
OR5081	CB2826_3087	J44754	BOTTOM	1.5	0.65	NO	0
OR509	CB1207_1208	STM5951	SIDE	0	0.65	NO	0
OR5091	CB4357_4326	J44474	BOTTOM	1.624	0.65	NO	0
OR51	CB36_86	STM830	SIDE	0	0.65	NO	0
OR510	CB1207_1208	STM5951	SIDE	0	0.65	NO	0
OR5101	CB217_610	J15436	BOTTOM	1.437	0.65	NO	0
OR511	CB1286_1285	STM5951	SIDE	0	0.65	NO	0
OR5111	CB250_292	J6956	BOTTOM	1.4	0.65	NO	0
OR512	CB1286_1285	STM5951	SIDE	0	0.65	NO	0
OR5121	CB251_295	J5956	BOTTOM	1.699	0.65	NO	0
OR513	CB1209	STM5951	SIDE	0	0.65	NO	0
OR5131	CB804_874	J10516	BOTTOM	1.472	0.65	NO	0
OR514	CB1283_1284	STM6062	SIDE	0	0.65	NO	0
OR5141	CB864_863	J3160	BOTTOM	1.4	0.65	NO	0
OR515	CB1283_1284	STM6062	SIDE	0	0.65	NO	0

OR5151	CB848_849	J3155	BOTTOM	1.805	0.65	NO	0
OR516	CB1282_1281	STM6062	SIDE	0	0.65	NO	0
OR5161	CB1594_1497	J24017	BOTTOM	1.4	0.65	NO	0
OR517	CB1282_1281	STM6062	SIDE	0	0.65	NO	0
OR5171	CB1279_1280	J28776	BOTTOM	1.558	0.65	NO	0
OR518	CB1206_1205	STM6062	SIDE	0	0.65	NO	0
OR5181	CB1203_1204	J28771	BOTTOM	1.46	0.65	NO	0
OR519	CB1206_1205	STM6062	SIDE	0	0.65	NO	0
OR5191	CB1206_1205	J28766	BOTTOM	1.439	0.65	NO	0
OR52	CB75_23	STM1097	SIDE	0	0.65	NO	0
OR520	CB1203_1204	STM6060	SIDE	0	0.65	NO	0
OR5201	CB1282_1281	J28764	BOTTOM	1.422	0.65	NO	0
OR521	CB1203_1204	STM6060	SIDE	0	0.65	NO	0
OR5211	CB1283_1284	J28760	BOTTOM	1.522	0.65	NO	0
OR522	CB1279_1280	STM3598	SIDE	0	0.65	NO	0
OR5221	CB1209	J28759	BOTTOM	1.792	0.65	NO	0
OR523	CB1279_1280	STM3598	SIDE	0	0.65	NO	0
OR5231	CB1286_1285	J28757	BOTTOM	1.497	0.65	NO	0
OR524	CB1202_1201	J661	SIDE	0	0.65	NO	0
OR5241	CB1207_1208	J28755	BOTTOM	1.488	0.65	NO	0
OR525	CB1202_1201	J661	SIDE	0	0.65	NO	0
OR5251	CB1220_1221	J28752	BOTTOM	1.677	0.65	NO	0
OR526	CB1189_1276	STM3589	SIDE	0	0.65	NO	0
OR5261	CB1287_1298	J28984	BOTTOM	1.678	0.65	NO	0
OR527	CB1189_1276	STM3589	SIDE	0	0.65	NO	0
OR5271	CB1302_1303	J28747	BOTTOM	1.533	0.65	NO	0
OR528	CB1190_1277	STM3590	SIDE	0	0.65	NO	0
OR5281	CB1304_1305	J28526	BOTTOM	1.532	0.65	NO	0
OR529	CB1190_1277	STM3590	SIDE	0	0.65	NO	0
OR5291	CB1306_1307	J28319	BOTTOM	1.45	0.65	NO	0
OR53	J435	STM1280	SIDE	0	0.65	NO	0
OR530	CB1194_1195	J660	SIDE	0	0.65	NO	0
OR5301	CB1308_1309	J28317	BOTTOM	1.4	0.65	NO	0
OR531	CB1194_1195	J660	SIDE	0	0.65	NO	0
OR5311	CB4321	J28315	BOTTOM	1.477	0.65	NO	0
OR532	CB1601_1503	J555	SIDE	0	0.65	NO	0
OR5321	CB881_963	J29196	BOTTOM	1.499	0.65	NO	0
OR533	CB335_133	STM1840	SIDE	0	0.65	NO	0
OR5331	CB950_885	J29191	BOTTOM	1.436	0.65	NO	0
OR534	CB334_132	STM1841	SIDE	0	0.65	NO	0
OR5341	CB657_886	J29187	BOTTOM	1.447	0.65	NO	0
OR535	CB131_333	STM1841	SIDE	0	0.65	NO	0
OR5351	CB1202_1201	J28784	BOTTOM	1.584	0.65	NO	0
OR536	CB605_211	STM77	SIDE	0	0.65	NO	0
OR5361	CB1194_1195	J28790	BOTTOM	1.603	0.65	NO	0
OR537	CB605_211	STM77	SIDE	0	0.65	NO	0
OR5371	CB1190_1277	J28574	BOTTOM	1.531	0.65	NO	0
OR538	CB339_137	STM2653	SIDE	0	0.65	NO	0
OR5381	CB617_258	J5413	BOTTOM	1.4	0.65	NO	0
OR539	CB338_136	STM3790	SIDE	0	0.65	NO	0
OR5391	CB181_222	J19182	BOTTOM	1.409	0.65	NO	0
OR54	CB17_69	STM1101	SIDE	0	0.65	NO	0
OR540	J314	STM4315	SIDE	0	0.65	NO	0
OR5401	CB180_221	J17928	BOTTOM	1.411	0.65	NO	0
OR541	J317	STM3399	SIDE	0	0.65	NO	0
OR5411	CB220_179	J17293	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR542	CB76_24	STM1087	SIDE	0	0.65	NO	0
OR5421	CB219_218	J15834	BOTTOM	1.5	0.65	NO	0
;continuous grade							
OR543	CB25_4223	J12	SIDE	0	0.65	NO	0
OR5431	CB639_640	J15438	BOTTOM	1.415	0.65	NO	0
OR544	CB584_389	J12	SIDE	0	0.65	NO	0
OR5441	CB271_638	J15248	BOTTOM	1.429	0.65	NO	0

OR545	CB584_389	J12	SIDE	0	0.65	NO	0
OR5451	CB694_693	J21742	BOTTOM	1.714	0.65	NO	0
OR546	J318	STM7020	SIDE	0	0.65	NO	0
OR5461	CB549_695	J21521	BOTTOM	1.497	0.65	NO	0
OR547	CB2292	STM3399	SIDE	0	0.65	NO	0
OR5471	CB747_810	J19228	BOTTOM	1.53	0.65	NO	0
OR548	CB503	STM1143	SIDE	0	0.65	NO	0
OR5481	CB748_811	J18187	BOTTOM	2.008	0.65	NO	0
;Multiple CB's							
OR549	CB1598_4262	STM2019	SIDE	0	0.65	NO	0
OR5491	CB812_813	J17123	BOTTOM	2.115	0.65	NO	0
OR55	CB4224_16	STM1102	SIDE	0	0.65	NO	0
;Multiple CB's							
OR550	CB1587_1490	STM2634	SIDE	0	0.65	NO	0
OR5501	CB749_814	J15482	BOTTOM	1.585	0.65	NO	0
;Multiple CB's							
OR551	CB1591_1494	STM2638	SIDE	0	0.65	NO	0
OR5511	CB665_1468	J18596	BOTTOM	1.4	0.65	NO	0
;Multiple CB's							
OR552	CB1575_1574	STM3514	SIDE	0	0.65	NO	0
OR5521	CB666_1467	J17969	BOTTOM	1.559	0.65	NO	0
;Multiple CB's							
OR553	CB1571	STM2184	SIDE	0	0.65	NO	0
OR5531	CB709_708	J17118	BOTTOM	1.433	0.65	NO	0
OR554	CB1579_1483	STM3729	SIDE	0	0.65	NO	0
OR5541	CB711_710	J16080	BOTTOM	1.4	0.65	NO	0
OR555	CB1580_1581	STM3725	SIDE	0	0.65	NO	0
OR5551	CB667_712	J15074	BOTTOM	1.57	0.65	NO	0
OR556	CB1482_1578	STM3729	SIDE	0	0.65	NO	0
OR5561	CB668_806	J14115	BOTTOM	1.788	0.65	NO	0
;Multiple CB's							
OR557	CB1480	STM2045	SIDE	0	0.65	NO	0
OR5571	CB805_875	J12788	BOTTOM	1.995	0.65	NO	0
OR558	CB822	CB4256	SIDE	0	0.65	NO	0
OR5581	CB803_873	J9387	BOTTOM	1.51	0.65	NO	0
OR559	CB1471_1566	STM2624	SIDE	0	0.65	NO	0
OR5591	CB1472_1567	J21775	BOTTOM	1.4	0.65	NO	0
;Multiple CB's							
OR56	CB4225_67	STM1116	SIDE	0.266	0.65	NO	0
;Multiple CB's							
OR560	J74	STM4221	SIDE	0	0.65	NO	0
OR5601	CB1473_1568	J22400	BOTTOM	1.438	0.65	NO	0
OR561	CB694_693	STM4221	SIDE	0	0.65	NO	0
OR5611	CB1474_1569	J22622	BOTTOM	1.489	0.65	NO	0
OR562	CB549_695	STM4220	SIDE	0	0.65	NO	0
OR5621	CB1475_1570	J21560	BOTTOM	1.464	0.65	NO	0
OR563	CB550_696	STM3103	SIDE	0	0.65	NO	0
OR5631	CB1585_1488	J20303	BOTTOM	1.4	0.65	NO	0
OR564	CB551_552	STM4220	SIDE	0	0.65	NO	0
OR5641	CB1584_1487	J19255	BOTTOM	1.428	0.65	NO	0
;Multiple CB's							
OR565	J73	STM1826	SIDE	0	0.65	NO	0
OR5651	CB1576_1479	J17787	BOTTOM	1.52	0.65	NO	0
OR566	CB2	J703	SIDE	0.402	0.65	NO	0
OR5661	CB1583_1485	J16528	BOTTOM	1.465	0.65	NO	0
OR567	CB3388_3382	STM4953	SIDE	0	0.65	NO	0
OR5671	CB1416_1455	J15705	BOTTOM	1.4	0.65	NO	0
OR568	CB3387_3383	STM4948	SIDE	0	0.65	NO	0
OR5681	CB1418_1457	J14522	BOTTOM	1.4	0.65	NO	0
OR569	CB3386_3384	STM4948	SIDE	0	0.65	NO	0
OR5691	CB1484_1582	J15502	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR57	CB9_4234	STM1285	SIDE	0	0.65	NO	0
OR570	CB3439	STM4941	SIDE	0	0.65	NO	0

OR5701	CB1580_1581	J16722	BOTTOM	1.435	0.65	NO	0
OR571	CB4514	STM3603	SIDE	0	0.65	NO	0
OR5711	CB1579_1483	J18409	BOTTOM	1.484	0.65	NO	0
OR572	CB4515	J634	SIDE	0	0.65	NO	0
OR5721	CB1586_1489	J23213	BOTTOM	1.4	0.65	NO	0
OR573	CB4460	J58127	SIDE	0	0.65	NO	0
OR5731	CB1593_1496	J23209	BOTTOM	1.492	0.65	NO	0
OR574	CB940_939	J58128	SIDE	0	0.65	NO	0
OR5741	CB1589_1492	J23628	BOTTOM	1.456	0.65	NO	0
OR575	CB4459_4458	J13	SIDE	0	0.65	NO	0
OR5751	CB1420_1459	J13556	BOTTOM	1.4	0.65	NO	0
OR576	CB4457_4456	J58126	SIDE	0	0.65	NO	0
OR5761	CB1421_1462	J12997	BOTTOM	1.755	0.65	NO	0
OR577	CB4456_4454	J268	SIDE	0	0.65	NO	0
OR5771	CB1464_1463	J12106	BOTTOM	1.4	0.65	NO	0
OR578	CB4453_4452	J58124	SIDE	0	0.65	NO	0
OR5781	CB1422_4249	J10539	BOTTOM	1.654	0.65	NO	0
OR579	CB4451_4548	J58125	SIDE	0	0.65	NO	0
OR5791	CB1399_1440	J10864	BOTTOM	1.4	0.65	NO	0
OR58	CB53_52	STM1279	SIDE	0	0.65	NO	0
OR580	CB4547_4546	J14	SIDE	0	0.65	NO	0
OR5801	CB1398_1439	J9264	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR581	CB4519_930	STM3604	SIDE	0	0.65	NO	0
OR5811	CB1397_1438	J8645	BOTTOM	1.512	0.65	NO	0
;continuous grade							
OR582	CB4275_938	J58129	SIDE	0	0.65	NO	0
OR5821	CB1396_1437	J8500	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR583	CB4518	STM3605	SIDE	0	0.65	NO	0
OR5831	CB1395_1433	J7167	BOTTOM	1.4	0.65	NO	0
OR584	CB4324_4325	J265	SIDE	0	0.65	NO	0
OR5841	CB1393	J8639	BOTTOM	1.48	0.65	NO	0
OR585	CB951_935	STM3611	SIDE	0	0.65	NO	0
OR5851	CB1391_1394	J6870	BOTTOM	1.736	0.65	NO	0
OR586	CB4514	STM3603	SIDE	0	0.65	NO	0
OR5861	CB1432	J6583	BOTTOM	1.673	0.65	NO	0
OR587	J642	J371	SIDE	0.3	0.65	NO	0
OR5871	CB1426_1427	J5624	BOTTOM	1.871	0.65	NO	0
OR588	CB4460	J58127	SIDE	0	0.65	NO	0
OR5881	CB767_836	J8940	BOTTOM	1.661	0.65	NO	0
OR589	CB940_939	J58128	SIDE	0	0.65	NO	0
OR5891	CB768_837	J9709	BOTTOM	1.458	0.65	NO	0
OR59	CB54_55	STM1280	SIDE	0	0.65	NO	0
OR590	CB4459_4458	J13	SIDE	0	0.65	NO	0
OR5901	CB767_838	J10847	BOTTOM	1.466	0.65	NO	0
OR591	CB4457_4456	J58126	SIDE	0	0.65	NO	0
OR5911	CB770_839	J12095	BOTTOM	1.446	0.65	NO	0
OR592	CB4456_4454	J268	SIDE	0	0.65	NO	0
OR5921	CB800_870	J7737	BOTTOM	1.596	0.65	NO	0
OR593	CB4453_4452	J58124	SIDE	0	0.65	NO	0
OR5931	CB799_869	J7151	BOTTOM	1.477	0.65	NO	0
OR594	CB4451_4548	J58125	SIDE	0	0.65	NO	0
OR5941	CB798_868	J5744	BOTTOM	1.4	0.65	NO	0
OR595	CB4547_4546	J14	SIDE	0	0.65	NO	0
OR5951	CB779_845	J7597	BOTTOM	1.445	0.65	NO	0
;continuous grade							
OR596	CB4519_930	STM3604	SIDE	0	0.65	NO	0
OR5961	CB1447_1407	J8510	BOTTOM	1.47	0.65	NO	0
;continuous grade							
OR597	CB4275_938	J58129	SIDE	0	0.65	NO	0
OR5971	CB1446_1406	J9581	BOTTOM	1.755	0.65	NO	0
;continuous grade							
OR598	CB4518	STM3605	SIDE	0	0.65	NO	0

OR5981	CB1405_4238	J10221	BOTTOM	1.731	0.65	NO	0
OR599	CB951_935	STM3611	SIDE	0	0.65	NO	0
OR5991	CB1404_1445	J11024	BOTTOM	1.436	0.65	NO	0
OR6	CB2016_1950	STM2796	SIDE	0	0.65	NO	0
OR60	CB10_56	STM1322	SIDE	0	0.65	NO	0
OR600	CB4324_4325	J265	SIDE	0	0.65	NO	0
OR6001	CB1450_1411	J13014	BOTTOM	1.753	0.65	NO	0
OR601	CB1275_4323	STM3613	SIDE	0	0.65	NO	0
OR6011	CB1605_1505	J24760	BOTTOM	1.4	0.65	NO	0
OR602	CB1275_4323	STM3613	SIDE	0	0.65	NO	0
OR6021	CB1599_1501	J25498	BOTTOM	1.4	0.65	NO	0
OR603	CB952	STM992	SIDE	0	0.65	NO	0
OR6031	CB1600_1502	J26512	BOTTOM	1.459	0.65	NO	0
OR604	CB952	STM992	SIDE	0	0.65	NO	0
OR6041	CB720_670	J14488	BOTTOM	1.4	0.65	NO	0
OR605	CB1766	STM992	SIDE	0	0.65	NO	0
OR6051	CB718_719	J14290	BOTTOM	1.61	0.65	NO	0
OR606	CB1766	STM992	SIDE	0	0.65	NO	0
OR6061	CB740_739	J14291	BOTTOM	1.446	0.65	NO	0
OR607	CB4338	STM993	SIDE	0	0.65	NO	0
OR6071	CB669_713	J13913	BOTTOM	1.486	0.65	NO	0
OR608	CB4338	STM993	SIDE	0	0.65	NO	0
OR6081	CB1459	J13727	BOTTOM	1.429	0.65	NO	0
OR609	CB947_4339	STM993	SIDE	0	0.65	NO	0
OR6091	CB758_825	J13732	BOTTOM	1.886	0.65	NO	0
OR61	CB581_582	J15	SIDE	0	0.65	NO	0
OR610	CB947_4339	STM993	SIDE	0	0.65	NO	0
OR6101	CB750_751	J13735	BOTTOM	1.409	0.65	NO	0
OR611	CB946_4340	STM986	SIDE	0	0.65	NO	0
OR6111	CB815_816	J15087	BOTTOM	2.106	0.65	NO	0
OR612	CB946_4340	STM986	SIDE	0	0.65	NO	0
OR6121	CB817_752	J16290	BOTTOM	1.666	0.65	NO	0
OR613	CB1896	STM987	SIDE	0	0.65	NO	0
OR6131	CB818_753	J17127	BOTTOM	1.436	0.65	NO	0
OR614	CB1896	STM987	SIDE	0	0.65	NO	0
OR6141	CB819_754	J19017	BOTTOM	1.559	0.65	NO	0
OR615	CB945_928	STM987	SIDE	0	0.65	NO	0
OR6151	CB757_824	J20067	BOTTOM	1.545	0.65	NO	0
OR616	CB945_928	STM987	SIDE	0	0.65	NO	0
OR6161	CB746_808	J21761	BOTTOM	1.4	0.65	NO	0
OR617	CB943_944	STM6125	SIDE	0	0.65	NO	0
OR6171	CB4514	J38213	BOTTOM	1.474	0.65	NO	0
OR618	CB943_944	STM6125	SIDE	0	0.65	NO	0
OR6181	CB4515	J37721	BOTTOM	1.4	0.65	NO	0
OR619	CB934_942	STM6125	SIDE	0	0.65	NO	0
OR6191	CB4460	J37329	BOTTOM	1.707	0.65	NO	0
OR62	CB26	J20	SIDE	0	0.65	NO	0
OR620	CB934_942	STM6125	SIDE	0	0.65	NO	0
OR6201	CB940_939	J37074	BOTTOM	1.57	0.65	NO	0
OR621	STM3620	J38896	BOTTOM	2.627	0.65	NO	0
OR6211	CB4459_4458	J36669	BOTTOM	1.413	0.65	NO	0
OR622	PRK_STO	J32323	SIDE	1.61	0.65	NO	0
OR6221	CB4457_4456	J36095	BOTTOM	1.533	0.65	NO	0
OR623	SU2	J25526	SIDE	2.4	0.65	NO	0
OR6231	CB4456_4454	J35586	BOTTOM	1.498	0.65	NO	0
OR624	J77	STM7177	SIDE	0	0.65	NO	0
OR6241	CB4453_4452	J35236	BOTTOM	1.469	0.65	NO	0
OR625	J184	STM7177	SIDE	0	0.65	NO	0
OR6251	CB4451_4548	J34859	BOTTOM	1.4	0.65	NO	0
OR626	CB5413	STM3311	SIDE	0	0.65	NO	0
OR6261	CB4547_4546	J34654	BOTTOM	1.404	0.65	NO	0
OR627	J131	STM4722	SIDE	0	0.65	NO	0
OR6271	CB4519_930	J34008	BOTTOM	1.627	0.65	NO	0
OR628	CB4309	STM3660	SIDE	0.308	0.65	NO	0

OR6281	CB4275_938	J33560	BOTTOM	1.628	0.65	NO	0
OR629	J130	STM4737	SIDE	0.173	0.65	NO	0
OR6291	CB951_935	J30803	BOTTOM	1.588	0.65	NO	0
OR63	CB586_590	J403	SIDE	0	0.65	NO	0
OR630	J132	STM4672	SIDE	0.384	0.65	NO	0
OR6301	CB4324_4325	J30332	BOTTOM	1.453	0.65	NO	0
OR631	J133	STM4672	SIDE	0	0.65	NO	0
OR6311	CB1275_4323	J29481	BOTTOM	1.572	0.65	NO	0
OR632	J134	STM5194	SIDE	0	0.65	NO	0
OR6321	CB1189_1276	J28579	BOTTOM	1.506	0.65	NO	0
OR633	SU2	J53397	SIDE	2.4	0.65	NO	0
OR6331	CB952	J28180	BOTTOM	1.465	0.65	NO	0
;continuous grade							
OR634	CB3095_2836	STM5195	SIDE	0.019	0.65	NO	0
OR6341	CB1766	J27453	BOTTOM	1.435	0.65	NO	0
;continuous grade							
OR635	CB2837_2838	STM4755	SIDE	0	0.65	NO	0
OR6351	CB4338	J26910	BOTTOM	1.411	0.65	NO	0
OR636	J150	STM4469	SIDE	0	0.65	NO	0
OR6361	CB947_4339	J25514	BOTTOM	1.454	0.65	NO	0
OR637	SU2	J24417	SIDE	2.4	0.65	NO	0
OR6371	CB946_4340	J24033	BOTTOM	1.4	0.65	NO	0
OR638	J168	J167	SIDE	0	0.65	NO	0
OR6381	CB1896	J23025	BOTTOM	1.536	0.65	NO	0
OR639	J169	J167	SIDE	0	0.65	NO	0
OR6391	CB945_928	J22208	BOTTOM	1.617	0.65	NO	0
OR64	CB586_590	J403	SIDE	0	0.65	NO	0
OR6401	CB943_944	J20950	BOTTOM	1.627	0.65	NO	0
OR641	STM3603	J38674	BOTTOM	1.788	0.65	NO	0
OR6411	CB934_942	J19901	BOTTOM	1.462	0.65	NO	0
OR642	J172	STM3876	SIDE	0	0.65	NO	0
OR6421	CB2493_2453	J23644	BOTTOM	1.551	0.65	NO	0
OR643	SU2	J53417	SIDE	2.4	0.65	NO	0
OR6431	CB2452	J23846	BOTTOM	1.4	0.65	NO	0
OR644	J172	STM3876	SIDE	0	0.65	NO	0
OR645	J172	STM3877	SIDE	0	0.65	NO	0
OR646	J172	STM3877	SIDE	0	0.65	NO	0
OR6461	CB2306_2423	J22871	BOTTOM	1.411	0.65	NO	0
OR647	J171	STM3871	SIDE	0	0.65	NO	0
OR6471	CB2298	J22872	BOTTOM	1.485	0.65	NO	0
OR648	J171	STM3876	SIDE	0	0.65	NO	0
OR6481	CB2411_2297	J21402	BOTTOM	1.659	0.65	NO	0
OR649	J171	STM3876	SIDE	0	0.65	NO	0
OR6491	CB2296_2410	J19732	BOTTOM	1.575	0.65	NO	0
OR65	CB585_395	STM34	SIDE	0	0.65	NO	0
OR650	J171	STM3876	SIDE	0	0.65	NO	0
OR6501	CB2409_2295	J18467	BOTTOM	1.544	0.65	NO	0
OR651	CB2710_2764	STM3855	SIDE	0	0.65	NO	0
OR6511	CB2292	J16769	BOTTOM	1.409	0.65	NO	0
OR652	CB_L2	J692	SIDE	0.153	0.65	NO	0
OR6521	CB2475_2474	J23046	BOTTOM	1.426	0.65	NO	0
OR653	J129	STM3468	SIDE	0	0.65	NO	0
OR6531	CB546_449	J5180	BOTTOM	1.511	0.65	NO	0
OR654	CB2038_2125	STM4268	SIDE	0	0.65	NO	0
OR6541	CB545_448	J5438	BOTTOM	1.4	0.65	NO	0
OR655	CB2037_2124	STM4270	SIDE	0.048	0.65	NO	0
OR6551	CB520	J5578	BOTTOM	1.408	0.65	NO	0
OR656	J101	STM4270	SIDE	0	0.65	NO	0
OR6561	CB543_445	J6119	BOTTOM	1.405	0.65	NO	0
OR657	CB2039_2040	STM7180	SIDE	0	0.65	NO	0
OR6571	CB544_446	J6125	BOTTOM	1.4	0.65	NO	0
OR658	CB2039_2040	STM7180	SIDE	0	0.65	NO	0
OR6581	CB850	J6272	BOTTOM	1.411	0.65	NO	0
OR659	J100	STM7179	SIDE	0	0.65	NO	0

OR6591	CB852_851	J6422	BOTTOM	1.655	0.65	NO	0
OR66	CB585_395	STM34	SIDE	0	0.65	NO	0
OR660	J100	STM7179	SIDE	0	0.65	NO	0
OR6601	CB854_853	J6701	BOTTOM	1.473	0.65	NO	0
OR661	CB2180	STM3481	SIDE	0	0.65	NO	0
OR6611	CB872_802	J7138	BOTTOM	1.923	0.65	NO	0
OR662	J112	STM3483	SIDE	0	0.65	NO	0
OR6621	CB537_538	J7707	BOTTOM	1.425	0.65	NO	0
OR663	CB2089_2179	STM7184	SIDE	0	0.65	NO	0
OR6631	CB542	J7125	BOTTOM	1.583	0.65	NO	0
OR664	CB2130_2045	STM1791	SIDE	0	0.65	NO	0
OR6641	CB858_855	J5596	BOTTOM	1.427	0.65	NO	0
OR665	CB2130_2045	STM1791	SIDE	0	0.65	NO	0
OR6651	CB791	J4734	BOTTOM	1.49	0.65	NO	0
OR666	CB2046_2047	STM2892	SIDE	0	0.65	NO	0
OR6661	CB792	J3963	BOTTOM	1.467	0.65	NO	0
OR667	CB2046_2047	STM1791	SIDE	0	0.65	NO	0
OR6671	CB4279_4297	J44211	BOTTOM	1.41	0.65	NO	0
OR668	CB2046_2047	STM1791	SIDE	0	0.65	NO	0
OR6681	CB4266_4278	J43884	BOTTOM	1.524	0.65	NO	0
OR669	CB2046_2047	STM2892	SIDE	0	0.65	NO	0
OR6691	CB941_155	J43773	BOTTOM	1.652	0.65	NO	0
;Multiple CB's							
OR67	CB22_74	STM1088	SIDE	0	0.65	NO	0
OR670	CB2137	STM1802	SIDE	0	0.65	NO	0
OR6701	CB3078_2820	J43384	BOTTOM	1.705	0.65	NO	0
OR671	CB2137	STM1802	SIDE	0	0.65	NO	0
OR6711	CB3077_2819	J43072	BOTTOM	1.602	0.65	NO	0
OR672	CB5421_5420	STM1800	SIDE	0	0.65	NO	0
OR6721	CB3076_2818	J42675	BOTTOM	1.706	0.65	NO	0
OR673	CB5421_5420	STM1800	SIDE	0	0.65	NO	0
OR6731	CB2815_3073	J42238	BOTTOM	1.488	0.65	NO	0
OR674	CB5419_5418	STM1800	SIDE	0	0.65	NO	0
OR6741	CB3084_2823	J44079	BOTTOM	1.438	0.65	NO	0
OR675	CB5419_5418	STM1800	SIDE	0	0.65	NO	0
OR6751	CB3085_2824	J44041	BOTTOM	1.526	0.65	NO	0
OR676	CB5368	STM2892	SIDE	0	0.65	NO	0
OR6761	CB3141_3140	J46712	BOTTOM	1.4	0.65	NO	0
OR677	CB5368	STM2892	SIDE	0	0.65	NO	0
OR6771	CB3129_2861	J45581	BOTTOM	1.4	0.65	NO	0
OR678	J102	J97	SIDE	0	0.65	NO	0
OR6781	CB42	J987	BOTTOM	1.496	0.65	NO	0
;continuous grade							
OR679	J177	J97	SIDE	0	0.65	NO	0
OR6791	CB41_40	J1045	BOTTOM	1.714	0.65	NO	0
OR68	CB583_388	STM145	SIDE	0	0.65	NO	0
;continuous grade							
OR680	J117	J97	SIDE	0	0.65	NO	0
OR6801	CB39	J22848	BOTTOM	1.61	0.65	NO	0
;continuous grade							
OR681	J178	J97	SIDE	0	0.65	NO	0
OR6811	CB82_27	J1000	BOTTOM	1.432	0.65	NO	0
OR682	J107	STM1799	SIDE	0	0.65	NO	0
OR6821	CB1325	J1064	BOTTOM	1.526	0.65	NO	0
OR683	J102	J97	SIDE	0	0.65	NO	0
OR6831	CB1326	J1066	BOTTOM	1.5	0.65	NO	0
;continuous grade							
OR684	J175	J97	SIDE	0	0.65	NO	0
OR6841	CB452_451	J2838	BOTTOM	1.512	0.65	NO	0
OR685	CB2138	STM2892	SIDE	0	0.65	NO	0
OR6851	CB1377	J4094	BOTTOM	1.452	0.65	NO	0
OR686	CB2138	STM2892	SIDE	0	0.65	NO	0
OR6861	CB1382	J4418	BOTTOM	1.573	0.65	NO	0
OR687	J107	STM1799	SIDE	0	0.65	NO	0

OR6871	CB1384	J4644	BOTTOM	1.56	0.65	NO	0
OR688	J98	J99	SIDE	0	0.65	NO	0
OR6881	CB1385	J4883	BOTTOM	1.489	0.65	NO	0
OR689	J98	J99	SIDE	0	0.65	NO	0
OR6891	CB1386	J5368	BOTTOM	1.4	0.65	NO	0
OR69	CB583_388	STM145	SIDE	0	0.65	NO	0
OR690	J196	J99	SIDE	0	0.65	NO	0
OR6901	CB1738_1039	J31195	BOTTOM	1.411	0.65	NO	0
OR691	J195	J99	SIDE	0	0.65	NO	0
OR6911	CB1049_1048	J34310	BOTTOM	1.449	0.65	NO	0
;continuous grade							
OR692	J707	J99	SIDE	0	0.65	NO	0
OR6921	CB1822_1823	J38108	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR693	J708	J712	SIDE	0	0.65	NO	0
OR6931	CB2478_2431	J9771	BOTTOM	1.407	0.65	NO	0
;continuous grade							
OR694	J103	STM1799	SIDE	0	0.65	NO	0
OR6941	CB2395_2280	J10251	BOTTOM	1.464	0.65	NO	0
;continuous grade							
OR695	J103	STM1799	SIDE	0	0.65	NO	0
OR6951	CB2397_2282	J10735	BOTTOM	1.438	0.65	NO	0
OR696	J104	J714	SIDE	0	0.65	NO	0
OR6961	CB2396_2281	J11349	BOTTOM	1.437	0.65	NO	0
OR697	J200	STM3341	SIDE	0	0.65	NO	0
OR6971	CB2430_2311	J11983	BOTTOM	1.454	0.65	NO	0
OR698	J201	J702	SIDE	0.265	0.65	NO	0
OR6981	CB2401_2287	J13985	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR699	J176	J97	SIDE	0	0.65	NO	0
OR6991	CB2288_2402	J14561	BOTTOM	1.503	0.65	NO	0
OR7	GAOP	STM3757	SIDE	0	0.65	NO	0
OR70	CB581_582	J15	SIDE	0	0.65	NO	0
OR700	J194	STM1802	SIDE	0	0.65	NO	0
OR7001	CB2075_4327	J16612	BOTTOM	1.4	0.65	NO	0
OR701	J180	STM2892	SIDE	0	0.65	NO	0
OR7011	CB4310	J16817	BOTTOM	1.494	0.65	NO	0
OR702	J181	STM1800	SIDE	0	0.65	NO	0
OR7021	CB2076	J17237	BOTTOM	1.929	0.65	NO	0
OR703	J182	STM1802	SIDE	0	0.65	NO	0
OR7031	CB2077	J17237	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR704	J87	STM3660	SIDE	0	0.65	NO	0
OR7041	CB2078	J17661	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR705	J86	STM3660	SIDE	0	0.65	NO	0
OR7051	CB4311	J18095	BOTTOM	1.8	0.65	NO	0
;continuous grade							
OR706	J83	STM3660	SIDE	0	0.65	NO	0
OR7061	CB2168	J18096	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR707	J82	STM3660	SIDE	0	0.65	NO	0
OR7071	CB4331	J18923	BOTTOM	1.4	0.65	NO	0
OR708	J80	STM3660	SIDE	0.185	0.65	NO	0
OR7081	CB4330	J19353	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR709	J79	STM3660	SIDE	0	0.65	NO	0
OR7091	CB4329	J19352	BOTTOM	1.778	0.65	NO	0
OR71	CB580	STM318	SIDE	0	0.65	NO	0
;continuous grade							
OR710	J78	STM3660	SIDE	0	0.65	NO	0
OR7101	CB4328	J19567	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR711	CB2170	STM3660	SIDE	0	0.65	NO	0

OR7111	CB2080	J19770	BOTTOM	1.413	0.65	NO	0
;continuous grade							
OR712	CB2090	STM3660	SIDE	0	0.65	NO	0
OR7121	CB2079	J20174	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR713	CB2171	STM3660	SIDE	0	0.65	NO	0
OR7131	CB2081	J52799	BOTTOM	2.192	0.65	NO	0
;continuous grade							
OR714	CB4305	STM3660	SIDE	0	0.65	NO	0
OR7141	CB4333	J20599	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR715	CB4337	STM3661	SIDE	0	0.65	NO	0
OR7151	CB4332	J20814	BOTTOM	1.596	0.65	NO	0
;continuous grade							
OR716	CB4336	STM3661	SIDE	0	0.65	NO	0
OR7161	CB4334	J21873	BOTTOM	1.457	0.65	NO	0
;continuous grade							
OR717	CB4335	STM3661	SIDE	0	0.65	NO	0
OR7171	CB2171	J23093	BOTTOM	1.4	0.65	NO	0
OR718	CB4334	STM3661	SIDE	0	0.65	NO	0
OR7181	CB2090	J23292	BOTTOM	1.643	0.65	NO	0
;continuous grade							
OR719	CB2082	STM2937	SIDE	0	0.65	NO	0
OR7191	CB2170	J23701	BOTTOM	1.812	0.65	NO	0
OR72	CB580	STM318	SIDE	0	0.65	NO	0
;continuous grade							
OR720	CB4332	STM2937	SIDE	0	0.65	NO	0
OR7201	CB5368	J24468	BOTTOM	1.501	0.65	NO	0
;continuous grade							
OR721	CB4333	STM2937	SIDE	0	0.65	NO	0
OR7211	CB1609_1610	J34207	BOTTOM	1.511	0.65	NO	0
OR722	CB2081	STM2937	SIDE	0	0.65	NO	0
OR7221	CB1625_1518	J35564	BOTTOM	1.89	0.65	NO	0
;continuous grade							
OR723	CB2079	STM2937	SIDE	0	0.65	NO	0
OR7231	CB1626_1519	J37055	BOTTOM	1.563	0.65	NO	0
;continuous grade							
OR724	CB2080	STM2937	SIDE	0	0.65	NO	0
OR7241	CB3439	J41339	BOTTOM	1.639	0.65	NO	0
;continuous grade							
OR725	CB4331	STM2916	SIDE	0	0.65	NO	0
OR7251	CB3386_3384	J41401	BOTTOM	1.506	0.65	NO	0
;continuous grade							
OR726	CB4330	STM2916	SIDE	0	0.65	NO	0
OR7261	CB3387_3383	J41395	BOTTOM	1.517	0.65	NO	0
;continuous grade							
OR727	CB4328	STM2937	SIDE	0	0.65	NO	0
OR7271	CB3388_3382	J41389	BOTTOM	1.408	0.65	NO	0
OR728	CB4329	STM2916	SIDE	0	0.65	NO	0
OR7281	CB558_707	J19447	BOTTOM	1.575	0.65	NO	0
;continuous grade							
OR729	CB2168	STM2916	SIDE	0	0.65	NO	0
OR7291	CB185_226	J24521	BOTTOM	1.75	0.65	NO	0
;Multiple CB's							
OR73	CB60_61	STM1559	SIDE	0	0.65	NO	0
OR730	CB4311	STM2916	SIDE	0	0.65	NO	0
OR7301	CB197_593	J24700	BOTTOM	1.911	0.65	NO	0
;continuous grade							
OR731	CB2078	STM2916	SIDE	0	0.65	NO	0
OR7311	CB184_225	J23564	BOTTOM	1.625	0.65	NO	0
;continuous grade							
OR732	CB2077	STM2912	SIDE	0	0.65	NO	0
OR7321	CB683_682	J17111	BOTTOM	1.542	0.65	NO	0
OR733	CB2076	STM2912	SIDE	0	0.65	NO	0

OR7331	CB741_738	J15470	BOTTOM	1.562	0.65	NO	0
;continuous grade							
OR734	CB4310	STM2912	SIDE	0	0.65	NO	0
OR7341	CB1	J13926	BOTTOM	1.631	0.65	NO	0
OR735	CB2075_4327	STM2908	SIDE	0	0.65	NO	0
OR7351	CB1419_1458	J14140	BOTTOM	1.452	0.65	NO	0
OR736	J183	STM2916	SIDE	0	0.65	NO	0
OR7361	CB1461_1460	J13189	BOTTOM	1.431	0.65	NO	0
OR737	J185	STM7183	SIDE	0	0.65	NO	0
OR7371	CB1892_1891	J12285	BOTTOM	1.401	0.65	NO	0
OR738	J186	STM7180	SIDE	0	0.65	NO	0
OR7381	CB1087	J29369	BOTTOM	1.858	0.65	NO	0
OR739	J188	STM7179	SIDE	0	0.65	NO	0
OR7391	CB1078	J29377	BOTTOM	1.74	0.65	NO	0
OR74	CB48	STM922	SIDE	0.226	0.65	NO	0
OR740	J187	STM7179	SIDE	0	0.65	NO	0
OR7401	CB926	J28893	BOTTOM	1.4	0.65	NO	0
OR741	J189	STM3312	SIDE	0	0.65	NO	0
OR7411	CB1775_1774	J32476	BOTTOM	1.4	0.65	NO	0
OR742	CB2043_2128	STM7184	SIDE	0	0.65	NO	0
OR7421	CB1648_1534	J37423	BOTTOM	1.695	0.65	NO	0
OR743	J190	STM7184	SIDE	0	0.65	NO	0
OR7431	CB2	J41381	BOTTOM	1.563	0.65	NO	0
OR744	J191	STM1791	SIDE	0	0.65	NO	0
OR7441	CB3	J39424	BOTTOM	1.563	0.65	NO	0
;continuous grade							
OR745	J192	STM1791	SIDE	0	0.65	NO	0
OR7451	CB2765_2711	J40709	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR746	J193	STM1791	SIDE	0	0.65	NO	0
OR7461	CB2766	J40777	BOTTOM	1.9	0.65	NO	0
OR747	J179	STM1802	SIDE	0	0.65	NO	0
OR7471	CB2927_2990	J41170	BOTTOM	1.387	0.65	NO	0
OR748	J182	STM1802	SIDE	0	0.65	NO	0
OR7481	CB3074_2816	J41950	BOTTOM	1.682	0.65	NO	0
OR749	J197	J99	SIDE	0	0.65	NO	0
OR7491	CB2083	J43765	BOTTOM	1.446	0.65	NO	0
OR75	CB345_146	STM2376	SIDE	0	0.65	NO	0
;continuous grade							
OR750	J709	J713	SIDE	0	0.65	NO	0
OR7501	CB2832_2833	J42358	BOTTOM	1.761	0.65	NO	0
OR751	J106	STM3351	SIDE	0	0.65	NO	0
OR7511	CB1557	J33482	BOTTOM	1.487	0.65	NO	0
OR752	J198	STM2333	SIDE	0	0.65	NO	0
OR7521	CB1558	J33255	BOTTOM	1.438	0.65	NO	0
OR753	J198	STM2333	SIDE	0	0.65	NO	0
OR7531	CB1250	J35685	BOTTOM	1.541	0.65	NO	0
OR754	J199	STM2333	SIDE	0	0.65	NO	0
OR7541	CB1252	J37268	BOTTOM	1.522	0.65	NO	0
OR755	J199	STM2333	SIDE	0	0.65	NO	0
OR7551	CB2750	J38035	BOTTOM	1.626	0.65	NO	0
OR756	J105	STM2342	SIDE	0	0.65	NO	0
OR7561	CB2742_2805	J38624	BOTTOM	1.57	0.65	NO	0
OR757	J105	STM2342	SIDE	0	0.65	NO	0
OR7571	CB967_896	J29168	BOTTOM	1.4	0.65	NO	0
OR758	J202	STM3351	SIDE	0	0.65	NO	0
OR7581	CB973_903	J29390	BOTTOM	1.822	0.65	NO	0
OR759	CB2038_2125	STM4268	SIDE	0	0.65	NO	0
OR7591	CB1065	J29159	BOTTOM	1.4	0.65	NO	0
OR76	CB346_147	STM925	SIDE	0	0.65	NO	0
OR760	J203	STM909	SIDE	0	0.65	NO	0
OR7601	CB1074	J29383	BOTTOM	1.611	0.65	NO	0
OR761	J208	STM909	SIDE	0	0.65	NO	0
OR7611	CB293_294	J6521	BOTTOM	1.737	0.65	NO	0

OR762	J204	STM908	SIDE	0	0.65	NO	0
OR7621	CB901	J8186	BOTTOM	1.427	0.65	NO	0
OR763	J205	STM896	SIDE	0	0.65	NO	0
OR7631	CB1107	J29133	BOTTOM	1.46	0.65	NO	0
OR764	J209	STM903	SIDE	0	0.65	NO	0
OR7641	CB9595	J32249	BOTTOM	1.409	0.65	NO	0
OR765	J206	STM896	SIDE	0	0.65	NO	0
OR7651	CB9599	J34945	BOTTOM	1.4	0.65	NO	0
OR766	J207	STM896	SIDE	0	0.65	NO	0
OR7661	CB9601	J36137	BOTTOM	1.4	0.65	NO	0
OR767	SU21	J21914	SIDE	2.922	0.65	NO	0
OR7671	CB1249	J34972	BOTTOM	1.502	0.65	NO	0
OR768	SU21	J21697	SIDE	2.94	0.65	NO	0
OR7681	CB3128_2860	J46336	BOTTOM	1.443	0.65	NO	0
OR769	SU21	J21696	SIDE	2.89	0.65	NO	0
OR7691	CB3134_2866	J46445	BOTTOM	1.419	0.65	NO	0
OR77	CB347_148	STM930	SIDE	0	0.65	NO	0
OR770	SU3	J22939	SIDE	1.73	0.65	NO	0
OR7701	CB4518	J32606	BOTTOM	1.467	0.65	NO	0
OR771	J212	J704	SIDE	0	0.65	NO	0
OR7711	CB618	J5542	BOTTOM	1.534	0.65	NO	0
OR772	SU3	J23331	SIDE	1.76	0.65	NO	0
OR7721	CB1159	J30482	BOTTOM	1.893	0.65	NO	0
OR773	CB1939_2004	STM3274	SIDE	0	0.65	NO	0
OR7731	CB30	J44375	BOTTOM	1.4	0.65	NO	0
OR774	CB1941_1940	STM3277	SIDE	0	0.65	NO	0
OR7741	CB3086_2825	J44378	BOTTOM	2.172	0.65	NO	0
OR775	CB1941_1940	STM3277	SIDE	0	0.65	NO	0
OR7751	CB31	J44337	BOTTOM	1.466	0.65	NO	0
OR776	CB2007_2008	STM3273	SIDE	0	0.65	NO	0
OR7761	CB993	J29198	BOTTOM	1.517	0.65	NO	0
OR777	CB2007_2008	STM3273	SIDE	0	0.65	NO	0
OR7771	CB4373	J29845	BOTTOM	1.533	0.65	NO	0
OR778	CB4259_1943	STM2770	SIDE	0	0.65	NO	0
OR7781	CB32	J23245	BOTTOM	1.609	0.65	NO	0
OR779	CB2011_1945	STM2777	SIDE	0	0.65	NO	0
OR7791	CB33	J23040	BOTTOM	1.474	0.65	NO	0
OR78	STM298	J17	SIDE	0	0.65	NO	0
OR780	CB2013_1947	STM2776	SIDE	0	0.65	NO	0
OR7801	CB2082	J21441	BOTTOM	1.627	0.65	NO	0
;continuous grade							
OR781	CB2009_1942	STM2770	SIDE	0	0.65	NO	0
OR7811	CB4335	J21874	BOTTOM	1.414	0.65	NO	0
;continuous grade							
OR782	CB2010_1944	STM2777	SIDE	0	0.65	NO	0
OR7821	CB4336	J21874	BOTTOM	1.565	0.65	NO	0
OR783	CB2012_1946	STM2776	SIDE	0	0.65	NO	0
OR7831	CB4337	J22279	BOTTOM	1.688	0.65	NO	0
OR784	CB2005_2006	STM3273	SIDE	0	0.65	NO	0
OR7841	CB4305	J22701	BOTTOM	1.4	0.65	NO	0
OR785	CB2005_2006	STM3273	SIDE	0	0.65	NO	0
OR7851	CB2505	J23032	BOTTOM	1.4	0.65	NO	0
OR786	CB2014_1948	STM2784	SIDE	0	0.65	NO	0
OR7861	CB34	J23037	BOTTOM	1.583	0.65	NO	0
OR787	CB2015_1949	STM2796	SIDE	0	0.65	NO	0
OR7871	CB35	J21584	BOTTOM	1.504	0.65	NO	0
OR788	CB2017_1951	STM2796	SIDE	0	0.65	NO	0
OR7881	CB36	J21179	BOTTOM	1.583	0.65	NO	0
OR789	J91	STM3314	SIDE	0	0.65	NO	0
OR7891	CB37	J20958	BOTTOM	1.494	0.65	NO	0
OR79	CB577_384	STM322	SIDE	0	0.65	NO	0
OR790	SU3	J23539	SIDE	1.84	0.65	NO	0
OR7901	CB38	J22419	BOTTOM	1.417	0.65	NO	0
OR791	Jun-47	J54830	BOTTOM	0.849	0.65	NO	0

OR7911	CB26	J4343	BOTTOM	1.463	0.65	NO	0
OR792	SU3	J23133	SIDE	1.74	0.65	NO	0
OR7921	CB4309	J23700	BOTTOM	1.761	0.65	NO	0
OR793	SU3	J23134	SIDE	1.722	0.65	NO	0
OR7931	CB406_365	J24693	BOTTOM	1.437	0.65	NO	0
OR794	J90	STM3319	SIDE	0	0.65	NO	0
OR7941	CB60_61	J6496	BOTTOM	1.78	0.65	NO	0
OR795	J94	STM3319	SIDE	0	0.65	NO	0
OR7951	CB4	J40030	BOTTOM	1.413	0.65	NO	0
OR796	CB2088_2178	STM3319	SIDE	0	0.65	NO	0
OR7961	CB14_64	J2439	BOTTOM	1.425	0.65	NO	0
OR797	CB2088_2178	J90	SIDE	0.054	0.65	NO	0
OR7971	CB13_63	J3593	BOTTOM	1.4	0.65	NO	0
OR798	J94	STM3319	SIDE	0	0.65	NO	0
OR7981	CB62_12	J4221	BOTTOM	1.414	0.65	NO	0
OR799	J110	STM2907	SIDE	0	0.65	NO	0
OR7991	CB8_51	J5017	BOTTOM	1.4	0.65	NO	0
OR8	J693	STM2963	SIDE	0	0.65	NO	0
OR80	CB577_384	STM322	SIDE	0	0.65	NO	0
OR800	J108	STM1799	SIDE	0	0.65	NO	0
OR8001	CB71_19	J4547	BOTTOM	1.425	0.65	NO	0
OR801	J109	STM2909	SIDE	0	0.65	NO	0
OR8011	CB608_213	J12575	BOTTOM	1.51	0.65	NO	0
OR802	J111	STM3542	SIDE	0	0.65	NO	0
OR8021	CB275_644	J12579	BOTTOM	1.606	0.65	NO	0
OR803	J113	STM3543	SIDE	0	0.65	NO	0
OR8031	CB629_4226	J11885	BOTTOM	1.405	0.65	NO	0
OR804	J114	STM2772	SIDE	0	0.65	NO	0
OR8041	CB204_598	J19401	BOTTOM	1.412	0.65	NO	0
OR805	J115	STM2772	SIDE	0	0.65	NO	0
OR8051	CB3131_3130	J45362	BOTTOM	1.646	0.65	NO	0
OR806	J116	STM2772	SIDE	0	0.65	NO	0
OR8061	CB2865_2864	J46065	BOTTOM	1.624	0.65	NO	0
OR807	J220	J219	SIDE	0	0.65	NO	0
OR8071	CB3149_2876	J45586	BOTTOM	1.4	0.65	NO	0
OR808	J118	MHRV1	SIDE	0	0.65	NO	0
OR8081	CB2877_3150	J45912	BOTTOM	1.575	0.65	NO	0
OR809	SU3	J22741	SIDE	1.79	0.65	NO	0
OR8091	CB2767	J41161	BOTTOM	1.435	0.65	NO	0
OR81	CB343_144	STM2641	SIDE	0	0.65	NO	0
OR810	SU2	J53415	SIDE	2.4	0.65	NO	0
OR8101	CB1611	J34638	BOTTOM	1.759	0.65	NO	0
OR811	CB2478_2431	STM3780	SIDE	0	0.65	NO	0
OR8111	CB1627_1520	J37443	BOTTOM	1.414	0.65	NO	0
OR812	SU21	J22535	SIDE	3.212	0.65	NO	0
OR8121	CB1620	J35021	BOTTOM	1.4	0.65	NO	0
OR813	CB2395_2280	STM3781	SIDE	0	0.65	NO	0
OR8131	CB1531	J36494	BOTTOM	1.453	0.65	NO	0
OR814	CB2396_2281	STM3237	SIDE	0	0.65	NO	0
OR8141	CB1538_1650	J36884	BOTTOM	1.836	0.65	NO	0
OR815	CB2397_2282	STM3224	SIDE	0	0.65	NO	0
OR8151	CB1015	J34985	BOTTOM	1.426	0.65	NO	0
OR816	CB2430_2311	STM3236	SIDE	0	0.65	NO	0
OR8161	CB4381_4380	J33260	BOTTOM	1.4	0.65	NO	0
OR817	CB2401_2287	STM3241	SIDE	0	0.65	NO	0
OR8171	CB1555_988	J32789	BOTTOM	1.518	0.65	NO	0
OR818	CB2288_2402	STM3241	SIDE	0	0.65	NO	0
OR8181	CB1679_1842	J37105	BOTTOM	1.951	0.65	NO	0
OR819	J221	STM3224	SIDE	0	0.65	NO	0
OR8191	CB9605_9604	J37625	BOTTOM	1.411	0.65	NO	0
OR82	CB344_145	STM2645	SIDE	0	0.65	NO	0
OR820	J222	STM3224	SIDE	0	0.65	NO	0
OR8201	CB1126_924	J28665	BOTTOM	2.148	0.65	NO	0
OR821	J223	STM3241	SIDE	0	0.65	NO	0

OR8211	CB1601_1503	J26506	BOTTOM	1.603	0.65	NO	0
OR822	J225	STM3242	SIDE	0	0.65	NO	0
OR8221	CB338_136	J12020	BOTTOM	1.354	0.65	NO	0
OR823	J224	STM3242	SIDE	0	0.65	NO	0
OR8231	CB339_137	J11854	BOTTOM	1.616	0.65	NO	0
OR824	J226	STM3242	SIDE	0	0.65	NO	0
OR8241	J67	J29582	BOTTOM	1.294	0.65	NO	0
OR825	J227	STM3400	SIDE	0	0.65	NO	0
OR8251	J68	J29793	BOTTOM	4.753	0.65	NO	0
OR826	J228	STM3248	SIDE	0	0.65	NO	0
OR8261	J69	J29596	BOTTOM	1.391	0.65	NO	0
OR827	J229	STM3248	SIDE	0	0.65	NO	0
OR8271	CB1595_1498	J23610	BOTTOM	1.639	0.65	NO	0
OR828	J230	STM3248	SIDE	0	0.65	NO	0
OR8281	CB1598_4262	J25118	BOTTOM	1.75	0.65	NO	0
OR829	J231	STM3248	SIDE	0	0.65	NO	0
OR8291	CB1591_1494	J23832	BOTTOM	1.4	0.65	NO	0
OR83	CB341_342	STM2370	SIDE	0	0.65	NO	0
OR830	CB2306_2423	STM3249	SIDE	0	0.65	NO	0
OR8301	CB1587_1490	J23624	BOTTOM	1.888	0.65	NO	0
OR831	CB2298	STM3249	SIDE	0	0.65	NO	0
OR8311	CB1571	J21561	BOTTOM	1.4	0.65	NO	0
OR832	CB2411_2297	STM3750	SIDE	0	0.65	NO	0
OR8321	CB1575_1574	J18635	BOTTOM	1.455	0.65	NO	0
OR833	CB2296_2410	STM3748	SIDE	0	0.65	NO	0
OR8331	CB1482_1578	J19245	BOTTOM	1.589	0.65	NO	0
OR834	CB2409_2295	STM3749	SIDE	0	0.65	NO	0
OR8341	CB1480	J16934	BOTTOM	1.606	0.65	NO	0
OR835	CB2306_2423	STM3249	SIDE	0	0.65	NO	0
OR8351	CB822	J19462	BOTTOM	1.439	0.65	NO	0
OR836	J232	STM3757	SIDE	0	0.65	NO	0
OR8361	CB1471_1566	J21768	BOTTOM	1.4	0.65	NO	0
OR837	J234	STM3964	SIDE	0	0.65	NO	0
OR8371	J73	J20488	BOTTOM	1.622	0.65	NO	0
OR838	StGregsMajor_J50094	STM2962	SIDE	0	0.65	NO	0
OR8381	J74	J21950	BOTTOM	1.59	0.65	NO	0
OR839	J236	MHG1	SIDE	0.306	0.65	NO	0
OR8391	J77	J29555	BOTTOM	1.434	0.65	NO	0
OR84	CB340_141	STM2369	SIDE	0	0.65	NO	0
OR840	J235	MHSM1	SIDE	0	0.65	NO	0
OR8401	J78	J25001	BOTTOM	1.46	0.65	NO	0
OR841	J237	MHSM1	SIDE	0	0.65	NO	0
OR8411	J79	J25002	BOTTOM	1.741	0.65	NO	0
OR842	J237	MHSM1	SIDE	0	0.65	NO	0
OR8421	J80	J24823	BOTTOM	1.888	0.65	NO	0
OR843	CB32	STM3967	SIDE	0	0.65	NO	0
OR8431	J82	J24644	BOTTOM	1.645	0.65	NO	0
OR844	CB32	STM3967	SIDE	0	0.65	NO	0
OR8441	J83	J24460	BOTTOM	1.4	0.65	NO	0
OR845	CB2475_2474	STM3968	SIDE	0	0.65	NO	0
OR8451	J86	J24279	BOTTOM	1.457	0.65	NO	0
OR846	CB2475_2474	STM3968	SIDE	0	0.65	NO	0
OR8461	J87	J23899	BOTTOM	1.46	0.65	NO	0
OR847	CB33	STM3966	SIDE	0	0.65	NO	0
OR8471	J90	J25762	BOTTOM	1.4	0.65	NO	0
OR848	CB33	STM3966	SIDE	0	0.65	NO	0
OR8481	J94	J25176	BOTTOM	1.4	0.65	NO	0
OR849	StGregsMajor_J50290	STM3465	SIDE	0	0.65	NO	0
OR8491	J95	J31434	BOTTOM	1.974	0.65	NO	0
OR85	CB140	STM2653	SIDE	0	0.65	NO	0
OR850	CB2452	STM3461	SIDE	0	0.65	NO	0
OR8501	J96	J31704	BOTTOM	1.485	0.65	NO	0
OR851	StGregsMajor_J50290	STM3465	SIDE	0	0.65	NO	0
OR8511	J100	J28034	BOTTOM	1.516	0.65	NO	0

OR852	CB2493_2453	STM3461	SIDE	0	0.65	NO	0
OR8521	J101	J29343	BOTTOM	1.4	0.65	NO	0
OR853	CB36	STM4059	SIDE	0	0.65	NO	0
OR8531	J102	J23505	BOTTOM	1.78	0.65	NO	0
OR854	CB35	STM4447	SIDE	0	0.65	NO	0
OR8541	J107	J18724	BOTTOM	1.641	0.65	NO	0
OR855	CB35	STM4446	SIDE	0	0.65	NO	0
OR8551	J108	J17035	BOTTOM	1.451	0.65	NO	0
OR856	CB34	STM4452	SIDE	0	0.65	NO	0
OR8561	J109	J16198	BOTTOM	1.4	0.65	NO	0
OR857	CB34	STM4452	SIDE	0	0.65	NO	0
OR8571	J111	J15585	BOTTOM	1.4	0.65	NO	0
OR858	CB2505	STM4453	SIDE	0	0.65	NO	0
OR8581	J113	J14798	BOTTOM	1.519	0.65	NO	0
OR859	CB2505	STM4453	SIDE	0	0.65	NO	0
OR8591	J114	J14406	BOTTOM	1.481	0.65	NO	0
OR86	CB138_139	STM2653	SIDE	0	0.65	NO	0
OR860	CB39	STM4453	SIDE	0	0.65	NO	0
OR8601	J115	J14224	BOTTOM	1.51	0.65	NO	0
OR861	CB39	STM4453	SIDE	0	0.65	NO	0
OR8611	J116	J14026	BOTTOM	1.4	0.65	NO	0
OR862	CB38	STM4047	SIDE	0	0.65	NO	0
OR8621	J122	J10425	BOTTOM	1.631	0.65	NO	0
OR863	CB38	STM4047	SIDE	0	0.65	NO	0
OR8631	J123	J10084	BOTTOM	1.411	0.65	NO	0
OR864	J319	STM7020	SIDE	0	0.65	NO	0
OR8641	J110	J16406	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR865	CB9595	J92	SIDE	0	0.65	NO	0
OR8651	J112	J27309	BOTTOM	1.778	0.65	NO	0
OR866	J239	STM4962	SIDE	0	0.65	NO	0
OR8661	J128	J29063	BOTTOM	1.642	0.65	NO	0
OR867	J239	STM4963	SIDE	0	0.65	NO	0
OR8671	J129	J24419	BOTTOM	1.4	0.65	NO	0
OR868	J240	STM4962	SIDE	0	0.65	NO	0
OR8681	J130	J46932	BOTTOM	1.529	0.65	NO	0
OR869	J240	STM4963	SIDE	0	0.65	NO	0
OR8691	J131	J46454	BOTTOM	1.511	0.65	NO	0
OR87	CB328_124	STM3802	SIDE	0	0.65	NO	0
OR870	J241	J58122	SIDE	0	0.65	NO	0
OR8701	J132	J46290	BOTTOM	1.417	0.65	NO	0
;CONTINUOUS GRADE							
OR871	J244	CCMH_2B	SIDE	0.194	0.65	NO	0
OR8711	J133	J46440	BOTTOM	1.4	0.65	NO	0
;CONTINUOUS GRADE							
OR872	J244	CCMH_2B	SIDE	0.194	0.65	NO	0
OR8721	J167	J45471	BOTTOM	1.582	0.65	NO	0
;CONTINUOUS GRADE							
OR873	J243	CC_MH2	SIDE	0.199	0.65	NO	0
OR8731	J168	J45574	BOTTOM	1.479	0.65	NO	0
;CONTINUOUS GRADE							
OR874	J243	CC_MH2	SIDE	0.199	0.65	NO	0
OR8741	J169	J45897	BOTTOM	1.4	0.65	NO	0
OR875	J242	CC_MH1	SIDE	0	0.65	NO	0
OR8751	J170	J43771	BOTTOM	1.767	0.65	NO	0
OR876	J242	CC_MH1	SIDE	0	0.65	NO	0
OR8761	J172	J41943	BOTTOM	1.518	0.65	NO	0
OR877	J245	CC_MH3	SIDE	0.078	0.65	NO	0
OR8771	J171	J41497	BOTTOM	1.438	0.65	NO	0
OR878	J245	CC_MH3	SIDE	0.078	0.65	NO	0
OR8781	J174	J41167	BOTTOM	1.4	0.65	NO	0
OR879	J246	STM1901	SIDE	0	0.65	NO	0
OR8791	200Manning_STM	J17797	BOTTOM	1.456	0.65	NO	0
OR88	CB329_125	STM3802	SIDE	0	0.65	NO	0

OR880	J248	STM2978	SIDE	0	0.65	NO	0
OR8801	BP_CBMH9	J36671	BOTTOM	1.512	0.65	NO	0
OR881	J248	STM2978	SIDE	0	0.65	NO	0
OR8811	CB_COMM1	J26520	BOTTOM	1.419	0.65	NO	0
OR882	J249	J247	SIDE	0	0.65	NO	0
OR8821	CB_COMM2	J28179	BOTTOM	1.428	0.65	NO	0
OR883	J251	STM2978	SIDE	0	0.65	NO	0
OR8831	CB_COMM3	J28574	BOTTOM	1.636	0.65	NO	0
OR884	J251	STM2978	SIDE	0	0.65	NO	0
OR8841	CB_L1	J24793	BOTTOM	1.4	0.65	NO	0
OR885	J250	J247	SIDE	0	0.65	NO	0
OR8851	CB_L2	J24424	BOTTOM	1.539	0.65	NO	0
OR886	J250	J247	SIDE	0	0.65	NO	0
OR8861	CB_MCD	J33556	BOTTOM	1.414	0.65	NO	0
OR887	J256	STM7275	SIDE	0	0.65	NO	0
OR8871	CBMH11_Z	J24407	BOTTOM	1.4	0.65	NO	0
OR888	J255	STM7278	SIDE	0	0.65	NO	0
OR8881	CBMH_TMC	J28361	BOTTOM	1.656	0.65	NO	0
OR889	J252	STM7278	SIDE	0.099	0.65	NO	0
OR8891	CBMH5	J36809	BOTTOM	1.4	0.65	NO	0
OR89	CB330_126	STM893	SIDE	0	0.65	NO	0
OR890	J253	STM7278	SIDE	0	0.65	NO	0
OR8901	CBMHG	J36811	BOTTOM	1.473	0.65	NO	0
OR891	J254	STM7278	SIDE	0	0.65	NO	0
OR8911	COMM_CB	J38091	BOTTOM	2.143	0.65	NO	0
OR892	J259	STM7276	SIDE	0	0.65	NO	0
OR8921	DICB_1	J36380	BOTTOM	2.707	0.65	NO	0
OR893	J258	STM7276	SIDE	0	0.65	NO	0
OR8931	DICB_2	J35413	BOTTOM	2.222	0.65	NO	0
OR894	J257	STM7277	SIDE	0	0.65	NO	0
OR8941	Z_CB19	J26533	BOTTOM	1.728	0.65	NO	0
OR895	J260	STM7271	SIDE	0	0.65	NO	0
OR8951	CB_ST,G1	J24992	BOTTOM	0.558	0.65	NO	0
OR896	J261	STM7267	SIDE	0	0.65	NO	0
OR8961	CB_ST,G2	J25753	BOTTOM	0.939	0.65	NO	0
OR897	J262	STM7267	SIDE	0	0.65	NO	0
OR8971	GAOP	J53345	BOTTOM	1.59	0.65	NO	0
OR898	J262	STM7267	SIDE	0	0.65	NO	0
OR8981	J98	J19978	BOTTOM	1.468	0.65	NO	0
OR899	J260	STM7271	SIDE	0	0.65	NO	0
OR8991	J103	J17669	BOTTOM	1.717	0.65	NO	0
OR9	COMM_CB	J633	SIDE	0.4	0.65	NO	0
OR90	CB331_332_127_128	STM1853	SIDE	0	0.65	NO	0
OR900	SU3	J22743	SIDE	2.266	0.65	NO	0
OR9001	J104	J18308	BOTTOM	1.537	0.65	NO	0
OR901	CB_COMM2	STM3613	SIDE	0	0.65	NO	0
OR9011	J105	J21049	BOTTOM	1.016	0.65	NO	0
OR902	J267	J268	SIDE	0	0.65	NO	0
OR9021	J106	J22511	BOTTOM	1.464	0.65	NO	0
OR903	J279	J269	SIDE	0.31	0.65	NO	0
OR9031	J117	J22707	BOTTOM	1.477	0.65	NO	0
OR904	J280	J270	SIDE	0	0.65	NO	0
OR9041	J175	J23100	BOTTOM	1.4	0.65	NO	0
OR905	J278	J273	SIDE	0.121	0.65	NO	0
OR9051	J176	J23296	BOTTOM	1.538	0.65	NO	0
OR906	J277	J272	SIDE	0.134	0.65	NO	0
OR9061	J177	J23101	BOTTOM	1.45	0.65	NO	0
OR907	J276	J271	SIDE	0.235	0.65	NO	0
OR9071	J178	J23298	BOTTOM	1.494	0.65	NO	0
OR908	J282	J274	SIDE	0.581	0.65	NO	0
OR9081	J180	J24653	BOTTOM	1.699	0.65	NO	0
OR909	J275	J285	SIDE	0.525	0.65	NO	0
OR9091	J181	J24474	BOTTOM	1.4	0.65	NO	0
OR91	CB130_129	STM88	SIDE	0	0.65	NO	0

OR910	J284	J271	SIDE	0.062	0.65	NO	0
OR9101	J182	J24478	BOTTOM	1.4	0.65	NO	0
OR911	J283	J270	SIDE	0.068	0.65	NO	0
OR9111	J183	J18302	BOTTOM	1.614	0.65	NO	0
OR912	J286	STM4695	SIDE	0	0.65	NO	0
OR9121	J184	J29102	BOTTOM	1.4	0.65	NO	0
OR913	J29	STM4755	SIDE	0	0.65	NO	0
OR9131	J185	J31439	BOTTOM	1.525	0.65	NO	0
OR914	J324	J321	SIDE	0	0.65	NO	0
OR9141	J186	J30190	BOTTOM	1.503	0.65	NO	0
OR915	J174	STM3871	SIDE	0	0.65	NO	0
OR9151	J187	J28873	BOTTOM	1.672	0.65	NO	0
OR916	J289	J338	SIDE	0	0.65	NO	0
OR9161	J188	J28430	BOTTOM	1.61	0.65	NO	0
OR917	J324	J321	SIDE	0	0.65	NO	0
OR9171	J189	J28030	BOTTOM	1.685	0.65	NO	0
OR918	J290	STM431	SIDE	0	0.65	NO	0
OR9181	J190	J26949	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR919	J293	STM854	SIDE	0	0.65	NO	0
OR9191	J191	J25564	BOTTOM	1.446	0.65	NO	0
OR92	CB568_375	J4	SIDE	0	0.65	NO	0
;continuous grade							
OR920	J293	STM854	SIDE	0	0.65	NO	0
OR9201	J192	J25371	BOTTOM	1.406	0.65	NO	0
;continuous grade							
OR921	J294	STM1375	SIDE	0	0.65	NO	0
OR9211	J193	J25188	BOTTOM	1.432	0.65	NO	0
;continuous grade							
OR922	J294	STM1375	SIDE	0	0.65	NO	0
OR9221	J179	J24482	BOTTOM	1.441	0.65	NO	0
;continuous grade							
OR923	CB1822_1823	STM1661	SIDE	0	0.65	NO	0
OR9231	J194	J24666	BOTTOM	1.517	0.65	NO	0
OR924	J295	STM2079	SIDE	0	0.65	NO	0
OR9241	J195	J21251	BOTTOM	1.446	0.65	NO	0
OR925	J295	STM2079	SIDE	0	0.65	NO	0
OR9251	J196	J20606	BOTTOM	1.614	0.65	NO	0
;continuous grade							
OR926	J296	STM1399	SIDE	0	0.65	NO	0
OR9261	J197	J20821	BOTTOM	1.435	0.65	NO	0
;continuous grade							
OR927	J296	STM1399	SIDE	0	0.65	NO	0
OR9271	J200	J22289	BOTTOM	1.445	0.65	NO	0
OR928	J297	STM2079	SIDE	0	0.65	NO	0
OR9281	J201	J22294	BOTTOM	1.745	0.65	NO	0
;continuous grade							
OR929	J302	J299	SIDE	0	0.65	NO	0
OR9291	J198	J21043	BOTTOM	1.193	0.65	NO	0
OR93	CB568_375	J4	SIDE	0	0.65	NO	0
;continuous grade							
OR930	J302	J299	SIDE	0	0.65	NO	0
OR9301	J199	J21046	BOTTOM	1.067	0.65	NO	0
OR931	J303	J300	SIDE	0	0.65	NO	0
OR9311	J202	J22513	BOTTOM	2.306	0.65	NO	0
OR932	J303	J300	SIDE	0	0.65	NO	0
OR9321	J203	J16207	BOTTOM	1.4	0.65	NO	0
OR933	J301	STM1189	SIDE	0	0.65	NO	0
OR9331	J204	J17675	BOTTOM	1.415	0.65	NO	0
OR934	J301	STM1189	SIDE	0	0.65	NO	0
OR9341	J205	J19147	BOTTOM	1.458	0.65	NO	0
OR935	J298	STM1606	SIDE	0	0.65	NO	0
OR9351	J206	J19362	BOTTOM	1.4	0.65	NO	0
OR936	J298	STM1606	SIDE	0	0.65	NO	0

OR9361	J207	J20405	BOTTOM	1.42	0.65	NO	0
;continuous grade							
OR937	J304	J697	SIDE	0.026	0.65	NO	0
OR9371	J208	J17038	BOTTOM	1.4	0.65	NO	0
;continuous grade							
OR938	J304	J697	SIDE	0.026	0.65	NO	0
OR9381	J209	J18930	BOTTOM	1.592	0.65	NO	0
OR939	J305	STM1172	SIDE	0	0.65	NO	0
OR9391	J212	J32191	BOTTOM	1.553	0.65	NO	0
OR94	CB178_108	STM1339	SIDE	0	0.65	NO	0
OR940	J305	STM1172	SIDE	0	0.65	NO	0
OR9401	J91	J26941	BOTTOM	1.924	0.65	NO	0
OR941	J325	J321	SIDE	0	0.65	NO	0
OR9411	J220	J13261	BOTTOM	1.547	0.65	NO	0
OR942	J325	J321	SIDE	0	0.65	NO	0
OR9421	J221	J11816	BOTTOM	1.43	0.65	NO	0
OR943	J326	J320	SIDE	0	0.65	NO	0
OR9431	J222	J13779	BOTTOM	1.435	0.65	NO	0
OR944	J326	J320	SIDE	0	0.65	NO	0
OR9441	J223	J13226	BOTTOM	1.442	0.65	NO	0
OR945	J327	J320	SIDE	0	0.65	NO	0
OR9451	J224	J15337	BOTTOM	1.4	0.65	NO	0
OR946	J327	J320	SIDE	0	0.65	NO	0
OR9461	J225	J15128	BOTTOM	1.476	0.65	NO	0
OR947	J330	J323	SIDE	0	0.65	NO	0
OR9471	J226	J15345	BOTTOM	1.607	0.65	NO	0
OR948	J330	J323	SIDE	0	0.65	NO	0
OR9481	J227	J18250	BOTTOM	1.755	0.65	NO	0
OR949	J329	J323	SIDE	0	0.65	NO	0
OR9491	J228	J19927	BOTTOM	1.431	0.65	NO	0
OR95	CB177_107	STM1870	SIDE	0	0.65	NO	0
OR950	J329	J323	SIDE	0	0.65	NO	0
OR9501	J229	J22450	BOTTOM	1.524	0.65	NO	0
OR951	J328	J322	SIDE	0	0.65	NO	0
OR9511	J230	J22661	BOTTOM	1.4	0.65	NO	0
OR952	J328	J322	SIDE	0	0.65	NO	0
OR9521	J231	J21194	BOTTOM	1.647	0.65	NO	0
OR953	J334	STM3063	SIDE	0.308	0.65	NO	0
OR9531	J232	J24251	BOTTOM	1.409	0.65	NO	0
OR954	J334	STM3063	SIDE	0.308	0.65	NO	0
OR955	J335	STM2243	SIDE	0.17	0.65	NO	0
OR9551	J234	J24050	BOTTOM	1.247	0.65	NO	0
OR956	J335	STM2243	SIDE	0.17	0.65	NO	0
OR9561	J235	J24443	BOTTOM	1.478	0.65	NO	0
OR957	J336	STM2249	SIDE	0.342	0.65	NO	0
OR9571	J236	J24441	BOTTOM	1.4	0.65	NO	0
OR958	J336	STM2249	SIDE	0.342	0.65	NO	0
OR9581	J237	J24455	BOTTOM	1.532	0.65	NO	0
OR959	J333	STM2254	SIDE	0.394	0.65	NO	0
OR9591	J238	J22417	BOTTOM	1.478	0.65	NO	0
OR96	TICB122_123_326_327	STM2467	SIDE	0	0.65	NO	0
OR960	J333	STM2254	SIDE	0.394	0.65	NO	0
OR9601	J239	J42316	BOTTOM	1.4	0.65	NO	0
OR961	J331	STM3073	SIDE	0.199	0.65	NO	0
OR9611	J240	J40533	BOTTOM	1.4	0.65	NO	0
OR962	J332	STM3073	SIDE	0.255	0.65	NO	0
OR9621	J241	J41013	BOTTOM	1.496	0.65	NO	0
OR963	J337	J338	SIDE	0	0.65	NO	0
OR9631	J242	J37247	BOTTOM	1.4	0.65	NO	0
OR964	J341	STM432	SIDE	0	0.65	NO	0
OR9641	J243	J36290	BOTTOM	1.439	0.65	NO	0
;continuous grade							
OR965	J345	STM7321	SIDE	0	0.65	NO	0
OR9651	J244	J35321	BOTTOM	1.499	0.65	NO	0

;continuous grade

OR966	J345	STM7321	SIDE	0	0.65	NO	0
OR9661	J245	J34758	BOTTOM	1.432	0.65	NO	0
OR967	J339	STM7322	SIDE	0	0.65	NO	0
OR9671	J246	J6447	BOTTOM	1.445	0.65	NO	0
OR968	J346	J350	SIDE	0	0.65	NO	0
OR9681	J248	J9440	BOTTOM	1.491	0.65	NO	0
OR969	J342	J350	SIDE	0	0.65	NO	0
OR9691	J249	J9906	BOTTOM	1.516	0.65	NO	0
OR97	CB113_114	STM1878	SIDE	0	0.65	NO	0
OR970	J344	STM6246	SIDE	0	0.65	NO	0
OR9701	J250	J8835	BOTTOM	1.533	0.65	NO	0
OR971	J344	STM6246	SIDE	0	0.65	NO	0
OR9711	J251	J8080	BOTTOM	1.377	0.65	NO	0
OR972	J347	J351	SIDE	0	0.65	NO	0
OR9721	J252	J7924	BOTTOM	1.422	0.65	NO	0
OR973	J348	STM6251	SIDE	0	0.65	NO	0
OR9731	J253	J8075	BOTTOM	1.55	0.65	NO	0
OR974	J340	J349	SIDE	0	0.65	NO	0
OR9741	J254	J7783	BOTTOM	1.475	0.65	NO	0
OR975	J359	J352	SIDE	0	0.65	NO	0
OR9751	J255	J7637	BOTTOM	1.442	0.65	NO	0
OR976	J359	J352	SIDE	0	0.65	NO	0
OR9761	J256	J6898	BOTTOM	1.559	0.65	NO	0
OR977	J354	J352	SIDE	0	0.65	NO	0
OR9771	J257	J7488	BOTTOM	1.467	0.65	NO	0
OR978	J354	J352	SIDE	0	0.65	NO	0
OR9781	J258	J7339	BOTTOM	1.477	0.65	NO	0
OR979	J356	J353	SIDE	0	0.65	NO	0
OR9791	J259	J7192	BOTTOM	1.467	0.65	NO	0
OR98	CB115_317	STM1880	SIDE	0	0.65	NO	0
OR980	J357	J353	SIDE	0	0.65	NO	0
OR9801	J260	J6181	BOTTOM	1.536	0.65	NO	0
OR981	J358	J353	SIDE	0	0.65	NO	0
OR9811	J261	J7331	BOTTOM	1.54	0.65	NO	0
OR982	J360	STM1806	SIDE	0	0.65	NO	0
OR9821	J262	J7476	BOTTOM	1.561	0.65	NO	0
OR983	J360	STM1806	SIDE	0	0.65	NO	0
OR9831	J263	J19054	BOTTOM	1.4	0.65	NO	0
OR984	J361	STM1806	SIDE	0	0.65	NO	0
OR9841	J264	J30563	BOTTOM	1.41	0.65	NO	0
OR985	J361	STM1806	SIDE	0	0.65	NO	0
OR9851	J266	J30109	BOTTOM	1.491	0.65	NO	0
OR986	J362	STM262	SIDE	0	0.65	NO	0
OR9861	J267	J35763	BOTTOM	1.596	0.65	NO	0
OR987	J362	STM262	SIDE	0	0.65	NO	0
OR9871	J271	J35747	BOTTOM	2.018	0.65	NO	0
;continuous grade							
OR988	J355	J363	SIDE	0	0.65	NO	0
OR9881	J272	J37316	BOTTOM	1.638	0.65	NO	0
;continuous grade							
OR989	J355	J363	SIDE	0	0.65	NO	0
OR9891	J273	J38317	BOTTOM	1.506	0.65	NO	0
OR99	CB116_318	STM1880	SIDE	0	0.65	NO	0
OR990	J356	J353	SIDE	0	0.65	NO	0
OR9901	J275	J34414	BOTTOM	1.079	0.65	NO	0
OR991	J368	J365	SIDE	0	0.65	NO	0
OR9911	J276	J36225	BOTTOM	1.472	0.65	NO	0
OR992	J367	J365	SIDE	0	0.65	NO	0
OR9921	J277	J37575	BOTTOM	1.4	0.65	NO	0
OR993	J366	J364	SIDE	0	0.65	NO	0
OR9931	J278	J38316	BOTTOM	1.4	0.65	NO	0
OR994	J369	STM262	SIDE	0	0.65	NO	0
OR9941	J280	J37822	BOTTOM	1.726	0.65	NO	0

OR995	J372	STM257	SIDE	0	0.65	NO	0
OR9951	J279	J36354	BOTTOM	1.67	0.65	NO	0
OR996	SU21	J22126	SIDE	2.97	0.65	NO	0
OR9961	J281	J35026	BOTTOM	0.751	0.65	NO	0
OR997	J16	J45	SIDE	0	0.65	NO	0
OR9971	J282	J34830	BOTTOM	1.479	0.65	NO	0
OR998	J3	J48	SIDE	0	0.65	NO	0
OR9981	J283	J38074	BOTTOM	1.443	0.65	NO	0
OR999	J3	J48	SIDE	0	0.65	NO	0
OR9991	J284	J36790	BOTTOM	1.449	0.65	NO	0
;ICD CONFIRMED BY TOWN							
ORIFICE_CALV	STM3856.1	STM3856	SIDE	0.316	0.65	NO	0
ORIFICE_CARM	CC_MH4	CC_MH4B	SIDE	0.3	0.65	NO	0
;INVERT OF ICD TAKEN FROM DILLON SURVEY							
ORIFICE_JC	STM3965	STM3465	SIDE	0.174	0.65	NO	0
;ICD CONFIRMED BY TOWN							
ORIFICE_LESS	STM4202.1	STM4202	SIDE	0.325	0.65	NO	0
;FUTURE ORIFICE SIZE CHANGE							
ORIFICE_PAP	STM82	J7	SIDE	0.282	0.65	NO	0
;250mm orifice_CONFIRMED							
ORIFICE_SF	STM1637	STM1637B	SIDE	0.6	0.65	NO	0
ORIFICE_VALENT	STM311	J19	SIDE	2.324	0.65	YES	0
ORIFICE_VG	STM4462	STM3461	SIDE	0	0.65	NO	0
ORIFICE_WESTL	STM3128	STM3129	SIDE	0.3	0.65	NO	0
St.Anne_Major_OR10	St.Anne_J19	ANNE_ST9	SIDE	0	0.65	NO	0
St.Anne_Major_OR11	St.Anne_J16	ANNE_ST8	SIDE	0	0.65	NO	0
St.Anne_Major_OR12	St.Anne_J15	ANNE_ST8	SIDE	0	0.65	NO	0
St.Anne_Major_OR13	St.Anne_J13	ANNE_ST7	SIDE	0	0.65	NO	0
St.Anne_Major_OR14	St.Anne_J11	ANNE_ST6	SIDE	0	0.65	NO	0
St.Anne_Major_OR15	St.Anne_J36	ANNE_ST5	SIDE	0	0.65	NO	0
St.Anne_Major_OR16	St.Anne_J8	ANNE_ST4	SIDE	0	0.65	NO	0
St.Anne_Major_OR17	St.Anne_J6	ANNE_ST3	SIDE	0	0.65	NO	0
St.Anne_Major_OR18	St.Anne_J4	ANNE_ST2	SIDE	0	0.65	NO	0
St.Anne_Major_OR19	St.Anne_J2	ANNE_ST1	SIDE	0	0.65	NO	0
St.Anne_Major_OR2	St.Anne_J34	ANNE_ST16	SIDE	0	0.65	NO	0
St.Anne_Major_OR3	St.Anne_J33	ANNE_ST16	SIDE	0	0.65	NO	0
St.Anne_Major_OR4	St.Anne_J32	ANNE_ST15	SIDE	0	0.65	NO	0
St.Anne_Major_OR5	St.Anne_J30	ANNE_ST14	SIDE	0	0.65	NO	0
St.Anne_Major_OR6	St.Anne_J27	ANNE_ST13	SIDE	0	0.65	NO	0
St.Anne_Major_OR8	St.Anne_J22	ANNE_ST11	SIDE	0	0.65	NO	0
St.Anne_Major_OR9	St.Anne_J20	ANNE_ST10	SIDE	0	0.65	NO	0
StAnne_OR1	StAnne_J1	STM3877	SIDE	0.81	0.65	NO	0
StAnneMajor_OR1621	St.Anne_J34	J42297	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1631	St.Anne_J34	J42417	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1641	St.Anne_J33	J42295	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1651	St.Anne_J33	J42473	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1661	St.Anne_J32	J42472	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1671	St.Anne_J32	J42355	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1681	St.Anne_J30	J42727	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1691	St.Anne_J30	J42864	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1701	St.Anne_J27	J43235	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1711	St.Anne_J27	J43234	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1761	St.Anne_J22	J43905	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1771	St.Anne_J22	J44021	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1781	St.Anne_J20	J44451	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1791	St.Anne_J20	J44450	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1801	St.Anne_J19	J44836	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1811	St.Anne_J19	J44789	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1821	St.Anne_J16	J44841	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1831	St.Anne_J16	J44925	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1841	St.Anne_J15	J44839	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1851	St.Anne_J15	J44967	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1861	St.Anne_J13	J44837	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1871	St.Anne_J13	J45008	SIDE	1.55	0.65	NO	0

StAnneMajor_OR1881	St.Anne_J11	J45054	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1891	St.Anne_J11	J44924	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1901	St.Anne_J36	J45342	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1911	St.Anne_J36	J45343	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1921	St.Anne_J8	J45664	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1931	St.Anne_J8	J45614	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1941	St.Anne_J6	J45934	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1951	St.Anne_J6	J46047	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1961	St.Anne_J4	J46424	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1971	St.Anne_J4	J46423	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1981	St.Anne_J2	J46795	SIDE	1.55	0.65	NO	0
StAnneMajor_OR1991	St.Anne_J2	J46796	SIDE	1.55	0.65	NO	0

[WEIRS]

;;	Inlet	Outlet	Weir	Crest	Disch.	Flap	End
;;Name	Node	Node	Type	Height	Coeff.	Gate	Con.
OR2646	STM5673	STM5674	TRAPEZOIDAL	1.31	3.33	NO	0
OR2655	STM5679	STM5680	TRAPEZOIDAL	1.11	3.33	NO	0
OR2660	STM5760	STM5761	TRAPEZOIDAL	1.24	3.33	NO	0
W1	StGregsMajor_J50290	SU2	TRAPEZOIDAL	1.5	3.33	NO	0
W14	STM5681	STM5682	TRAPEZOIDAL	1.86	3.33	NO	0
W15	STM3151	STM3152	TRAPEZOIDAL	2.25	3.33	NO	0
W16	CULV3	CULV4	TRAPEZOIDAL	2.728	3.33	NO	0
W17	CULV5	CULV6	TRAPEZOIDAL	2.54	3.33	NO	0
W18	CULV7	CULV8	TRAPEZOIDAL	2.34	3.33	NO	0
W19	STM3147	STM3148	TRAPEZOIDAL	2.42	3.33	NO	0
W20	STM3145	STM3146	TRAPEZOIDAL	2.223	3.33	NO	0
W21	STM3143	STM3144	TRAPEZOIDAL	2.38	3.33	NO	0
W22	STM3149	STM3150	TRAPEZOIDAL	2.5	3.33	NO	0
W3	StGregsMajor_J50225	SU2	TRAPEZOIDAL	1.5	3.33	NO	0
W4	J24234	SU2	TRAPEZOIDAL	0.191	3.33	NO	0
W5	StGregsMajor_J49836	SU2	TRAPEZOIDAL	1.5	3.33	NO	0

[XSECTIONS]

;;Link	Shape	Geom1	Geom2	Geom3	Geom4	Barrels
1	CIRCULAR	0.9	0	0	0	1
1022	CIRCULAR	0.525	0	0	0	1
1023	CIRCULAR	0.525	0	0	0	1
1027	CIRCULAR	0.9	0	0	0	1
1030	CIRCULAR	0.75	0	0	0	1
1032	CIRCULAR	0.6	0	0	0	1
1037	CIRCULAR	1.2	0	0	0	1
1038	CIRCULAR	1.05	0	0	0	1
1069	CIRCULAR	0.75	0	0	0	1
1073	CIRCULAR	0.675	0	0	0	1

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Too many conduit entities (149019 in total).

2044_1	CIRCULAR	0.168	0	0	0	
C187_1	CIRCULAR	0.21	0	0	0	
C198	CIRCULAR	0.2	0	0	0	
C272	CIRCULAR	0.2	0	0	0	
CBLead_OR108	RECT_CLOSED	0.2	0.315	0	0	
CBLead_OR161	RECT_CLOSED	0.3	0.473	0	0	
CBLead_OR162	RECT_CLOSED	0.3	0.473	0	0	
CBLead_OR163	RECT_CLOSED	0.3	0.473	0	0	
CBLead_OR164	RECT_CLOSED	0.3	0.473	0	0	
CBLead_OR165	RECT_CLOSED	0.2	0.315	0	0	
CBLead_OR166	RECT_CLOSED	0.2	0.315	0	0	
CBLead_OR167	RECT_CLOSED	0.2	0.315	0	0	
CBLead_OR168	RECT_CLOSED	0.3	0.473	0	0	
CBLead_OR169	RECT_CLOSED	0.2	0.315	0	0	
CBLead_OR170	RECT_CLOSED	0.2	0.315	0	0	

CBOverflow_OR3331	RECT_CLOSED	0.3	30	0	0
CBOverflow_OR3341	RECT_CLOSED	0.3	30	0	0
CBOverflow_OR3351	RECT_CLOSED	0.3	30	0	0
CBOverflow_OR3361	RECT_CLOSED	0.3	30	0	0
CBOverflow_OR3371	RECT_CLOSED	0.3	30	0	0
CBOverflow_OR3381	RECT_CLOSED	0.3	30	0	0
CBOverflow_OR3391	RECT_CLOSED	0.3	30	0	0
CIP02	CIRCULAR	0.15	0	0	0
CIP03	CIRCULAR	0.15	0	0	0
CIP04	CIRCULAR	0.15	0	0	0
CIP05	CIRCULAR	0.15	0	0	0
CIP06	CIRCULAR	0.15	0	0	0
CIP07	CIRCULAR	0.15	0	0	0
CIP08	CIRCULAR	0.15	0	0	0
CIP09	CIRCULAR	0.15	0	0	0
CIP10	CIRCULAR	0.15	0	0	0
CIP11	CIRCULAR	0.15	0	0	0
CIP12	CIRCULAR	0.15	0	0	0
CIP13	CIRCULAR	0.15	0	0	0
CIP14	CIRCULAR	0.15	0	0	0
CIP15	CIRCULAR	0.15	0	0	0
CIP16	CIRCULAR	0.15	0	0	0
CIP17	CIRCULAR	0.15	0	0	0
CIP18	CIRCULAR	0.3	0	0	0
CIP19	CIRCULAR	0.15	0	0	0
CIP20	CIRCULAR	0.2	0	0	0
CIP23	CIRCULAR	0.15	0	0	0
CIP26	CIRCULAR	0.2	0	0	0
CIP27	CIRCULAR	0.2	0	0	0
CIP28	CIRCULAR	0.3	0	0	0
CIP29	CIRCULAR	0.15	0	0	0
CIP30	CIRCULAR	0.15	0	0	0
CIP32	CIRCULAR	0.375	0	0	0
CIP33	CIRCULAR	0.6	0	0	0
CIP36	CIRCULAR	0.15	0	0	0
Coro_OR1672	RECT_CLOSED	0.2	0.315	0	0
Coro_OR1673	RECT_CLOSED	0.2	0.315	0	0
Coro_OR1674	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2898	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2899	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2900	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2901	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2902	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2903	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2904	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2905	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2906	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2907	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2908	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2909	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2910	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2911	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2913	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2914	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2915	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2916	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2917	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2918	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2919	RECT_CLOSED	0.2	0.315	0	0
Coro_OR2920	RECT_CLOSED	0.2	0.315	0	0
Coro_OR641	RECT_CLOSED	0.2	0.315	0	0
Meander_OR141	CIRCULAR	0.3	0	0	0
Meander_OR1600	CIRCULAR	0.3	0	0	0
Meander_OR1601	CIRCULAR	0.3	0	0	0

Meander_OR400	CIRCULAR	0.3	0	0	0
MH10-IC	CIRCULAR	0.2	0	0	0
MH11-IC	CIRCULAR	0.2	0	0	0
MH12-IC	CIRCULAR	0.2	0	0	0
MH13-IC	CIRCULAR	0.2	0	0	0
MH14-IC	CIRCULAR	0.2	0	0	0
MH15-IC	CIRCULAR	0.2	0	0	0
MH17-IC	CIRCULAR	0.2	0	0	0
MH18-IC	CIRCULAR	0.2	0	0	0
MH19-IC	CIRCULAR	0.2	0	0	0
MH2-IC	CIRCULAR	0.2	0	0	0
MH4-IC	CIRCULAR	0.2	0	0	0
MH6-IC	CIRCULAR	0.2	0	0	0
MH7-IC	CIRCULAR	0.2	0	0	0
MH8-IC	CIRCULAR	0.2	0	0	0
MH9-IC	CIRCULAR	0.2	0	0	0
NP_OR1601	RECT_CLOSED	0.2	0.315	0	0
NP_OR1611	RECT_CLOSED	0.2	0.315	0	0
NP_OR2001	RECT_CLOSED	0.3	30	0	0
NP_OR2011	RECT_CLOSED	0.3	30	0	0
NP_OR2021	RECT_CLOSED	0.3	30	0	0
NP_OR2031	RECT_CLOSED	0.3	30	0	0
OR1	RECT_CLOSED	0.3	10	0	0
OR10	CIRCULAR	0.2	0	0	0
OR100	CIRCULAR	0.2	0	0	0
OR1000	CIRCULAR	0.2	0	0	0
OR10001	RECT_CLOSED	30	10	0	0
OR1001	CIRCULAR	0.2	0	0	0
OR10011	RECT_CLOSED	30	10	0	0
OR1002	CIRCULAR	0.2	0	0	0
OR10021	RECT_CLOSED	30	10	0	0
OR1003	CIRCULAR	0.2	0	0	0
OR10031	RECT_CLOSED	30	10	0	0
OR1004	CIRCULAR	0.15	0	0	0
OR10041	RECT_CLOSED	30	10	0	0
OR1005	CIRCULAR	0.2	0	0	0
OR10051	RECT_CLOSED	30	10	0	0
OR1006	CIRCULAR	0.25	0	0	0
OR10061	RECT_CLOSED	30	10	0	0
OR1007	CIRCULAR	0.25	0	0	0
OR10071	RECT_CLOSED	30	10	0	0
OR1008	CIRCULAR	0.25	0	0	0
OR10081	RECT_CLOSED	30	175.48	0	0
OR1009	CIRCULAR	0.25	0	0	0
OR10091	RECT_CLOSED	30	10	0	0
OR101	CIRCULAR	0.2	0	0	0
OR1010	CIRCULAR	0.25	0	0	0
OR10101	RECT_CLOSED	30	10	0	0
OR1011	CIRCULAR	0.25	0	0	0
OR10111	RECT_CLOSED	30	10	0	0
OR1012	CIRCULAR	0.2	0	0	0
OR10121	RECT_CLOSED	30	10	0	0
OR1013	CIRCULAR	0.2	0	0	0
OR10131	RECT_CLOSED	30	10	0	0
OR1014	CIRCULAR	0.2	0	0	0
OR10141	RECT_CLOSED	30	10	0	0
OR1015	CIRCULAR	0.2	0	0	0
OR10151	RECT_CLOSED	30	10	0	0
OR1016	CIRCULAR	0.2	0	0	0
OR10161	RECT_CLOSED	30	10	0	0
OR1017	CIRCULAR	0.25	0	0	0
OR10171	RECT_CLOSED	30	10	0	0
OR1018	CIRCULAR	0.25	0	0	0
OR10181	RECT_CLOSED	30	10	0	0

OR1019	CIRCULAR	0.25	0	0	0
OR10191	RECT_CLOSED	30	10	0	0
OR102	RECT_CLOSED	0.2	0.2	0	0
OR10201	RECT_CLOSED	30	10	0	0
OR1021	CIRCULAR	0.2	0	0	0
OR10211	RECT_CLOSED	30	10	0	0
OR1022	CIRCULAR	0.2	0	0	0
OR10221	RECT_CLOSED	30	10	0	0
OR1023	CIRCULAR	0.2	0	0	0
OR10231	RECT_CLOSED	30	10	0	0
OR1024	CIRCULAR	0.2	0	0	0
OR10241	RECT_CLOSED	30	10	0	0
OR1025	CIRCULAR	0.2	0	0	0
OR10251	RECT_CLOSED	30	10	0	0
OR1026	CIRCULAR	0.2	0	0	0
OR10261	RECT_CLOSED	30	10	0	0
OR1027	CIRCULAR	0.2	0	0	0
OR10271	RECT_CLOSED	30	10	0	0
OR1028	CIRCULAR	0.2	0	0	0
OR10281	RECT_CLOSED	30	175.48	0	0
OR1029	CIRCULAR	0.2	0	0	0
OR10291	RECT_CLOSED	30	10	0	0
OR103	CIRCULAR	0.25	0	0	0
OR1030	CIRCULAR	0.2	0	0	0
OR10301	RECT_CLOSED	30	10	0	0
OR1031	CIRCULAR	0.2	0	0	0
OR10311	RECT_CLOSED	30	10	0	0
OR1032	CIRCULAR	0.2	0	0	0
OR10321	RECT_CLOSED	30	10	0	0
OR1033	CIRCULAR	0.2	0	0	0
OR10331	RECT_CLOSED	30	10	0	0
OR1034	CIRCULAR	0.2	0	0	0
OR10341	RECT_CLOSED	30	10	0	0
OR1035	CIRCULAR	0.2	0	0	0
OR10351	RECT_CLOSED	30	10	0	0
OR1036	CIRCULAR	0.2	0	0	0
OR10361	RECT_CLOSED	30	10	0	0
OR1037	CIRCULAR	0.2	0	0	0
OR10371	RECT_CLOSED	30	10	0	0
OR1038	CIRCULAR	0.2	0	0	0
OR10381	RECT_CLOSED	30	10	0	0
OR1039	CIRCULAR	0.2	0	0	0
OR10391	RECT_CLOSED	30	10	0	0
OR104	CIRCULAR	0.125	0	0	0
OR1040	CIRCULAR	0.2	0	0	0
OR10401	RECT_CLOSED	30	10	0	0
OR1041	CIRCULAR	0.2	0	0	0
OR10411	RECT_CLOSED	30	10	0	0
OR1042	CIRCULAR	0.2	0	0	0
OR10421	RECT_CLOSED	30	10	0	0
OR1043	CIRCULAR	0.2	0	0	0
OR10431	RECT_CLOSED	30	10	0	0
OR1044	CIRCULAR	0.2	0	0	0
OR10441	RECT_CLOSED	30	10	0	0
OR1045	CIRCULAR	0.25	0	0	0
OR10451	RECT_CLOSED	30	10	0	0
OR1046	CIRCULAR	0.2	0	0	0
OR10461	RECT_CLOSED	30	10	0	0
OR1047	CIRCULAR	0.2	0	0	0
OR10471	RECT_CLOSED	30	10	0	0
OR1048	CIRCULAR	0.2	0	0	0
OR10481	RECT_CLOSED	30	10	0	0
OR1049	CIRCULAR	0.2	0	0	0
OR10491	RECT_CLOSED	30	10	0	0

OR105	CIRCULAR	0.2	0	0	0
OR1050	CIRCULAR	0.2	0	0	0
OR10501	RECT_CLOSED	30	10	0	0
OR1051	CIRCULAR	0.2	0	0	0
OR10511	RECT_CLOSED	30	10	0	0
OR1052	CIRCULAR	0.2	0	0	0
OR10521	RECT_CLOSED	30	10	0	0
OR1053	CIRCULAR	0.2	0	0	0
OR10531	RECT_CLOSED	30	10	0	0
OR1054	CIRCULAR	0.2	0	0	0
OR10541	RECT_CLOSED	30	10	0	0
OR1055	CIRCULAR	0.2	0	0	0
OR10551	RECT_CLOSED	30	10	0	0
OR1056	CIRCULAR	0.2	0	0	0
OR10561	RECT_CLOSED	30	10	0	0
OR1057	CIRCULAR	0.2	0	0	0
OR10571	RECT_CLOSED	30	10	0	0
OR1058	CIRCULAR	0.2	0	0	0
OR10581	RECT_CLOSED	30	10	0	0
OR1059	CIRCULAR	0.2	0	0	0
OR10591	RECT_CLOSED	30	10	0	0
OR106	CIRCULAR	0.2	0	0	0
OR1060	CIRCULAR	0.2	0	0	0
OR10601	RECT_CLOSED	30	10	0	0
OR1061	CIRCULAR	0.2	0	0	0
OR10611	RECT_CLOSED	30	10	0	0
OR1062	CIRCULAR	0.2	0	0	0
OR10621	RECT_CLOSED	30	10	0	0
OR1063	CIRCULAR	0.2	0	0	0
OR10631	RECT_CLOSED	30	10	0	0
OR1064	CIRCULAR	0.2	0	0	0
OR10641	RECT_CLOSED	30	10	0	0
OR1065	CIRCULAR	0.2	0	0	0
OR10651	RECT_CLOSED	30	10	0	0
OR1066	CIRCULAR	0.2	0	0	0
OR10661	RECT_CLOSED	30	10	0	0
OR1067	CIRCULAR	0.2	0	0	0
OR10671	RECT_CLOSED	30	10	0	0
OR1068	CIRCULAR	0.2	0	0	0
OR10681	RECT_CLOSED	30	10	0	0
OR1069	CIRCULAR	0.2	0	0	0
OR10691	RECT_CLOSED	30	10	0	0
OR107	CIRCULAR	0.2	0	0	0
OR1070	CIRCULAR	0.2	0	0	0
OR10701	RECT_CLOSED	30	10	0	0
OR1071	CIRCULAR	0.2	0	0	0
OR10711	RECT_CLOSED	30	10	0	0
OR1072	CIRCULAR	0.2	0	0	0
OR10721	RECT_CLOSED	30	10	0	0
OR1073	CIRCULAR	0.2	0	0	0
OR10731	RECT_CLOSED	30	10	0	0
OR1074	CIRCULAR	0.2	0	0	0
OR10741	RECT_CLOSED	30	10	0	0
OR1075	CIRCULAR	0.2	0	0	0
OR10751	RECT_CLOSED	30	10	0	0
OR1076	CIRCULAR	0.2	0	0	0
OR10761	RECT_CLOSED	30	10	0	0
OR1077	CIRCULAR	0.2	0	0	0
OR10771	RECT_CLOSED	30	10	0	0
OR1078	CIRCULAR	0.2	0	0	0
OR10781	RECT_CLOSED	30	10	0	0
OR1079	CIRCULAR	0.2	0	0	0
OR10791	RECT_CLOSED	30	10	0	0
OR108	CIRCULAR	0.125	0	0	0

OR1080	CIRCULAR	0.2	0	0	0
OR10801	RECT_CLOSED	30	10	0	0
OR1081	CIRCULAR	0.2	0	0	0
OR10811	RECT_CLOSED	30	10	0	0
OR1082	CIRCULAR	0.15	0	0	0
OR10821	RECT_CLOSED	30	10	0	0
OR1083	CIRCULAR	0.2	0	0	0
OR10831	RECT_CLOSED	30	10	0	0
OR1084	CIRCULAR	0.2	0	0	0
OR10841	RECT_CLOSED	30	10	0	0
OR1085	CIRCULAR	0.2	0	0	0
OR10851	RECT_CLOSED	30	10	0	0
OR1086	CIRCULAR	0.2	0	0	0
OR10861	RECT_CLOSED	30	10	0	0
OR1087	CIRCULAR	0.2	0	0	0
OR10871	RECT_CLOSED	30	10	0	0
OR1088	CIRCULAR	0.2	0	0	0
OR10881	RECT_CLOSED	30	10	0	0
OR1089	CIRCULAR	0.2	0	0	0
OR10891	RECT_CLOSED	30	10	0	0
OR109	CIRCULAR	0.2	0	0	0
OR1090	CIRCULAR	0.2	0	0	0
OR10901	RECT_CLOSED	30	10	0	0
OR1091	CIRCULAR	0.2	0	0	0
OR10911	RECT_CLOSED	30	10	0	0
OR1092	CIRCULAR	0.2	0	0	0
OR1093	CIRCULAR	0.2	0	0	0
OR10931	RECT_CLOSED	30	10	0	0
OR1094	CIRCULAR	0.2	0	0	0
OR10941	RECT_CLOSED	30	10	0	0
OR1095	CIRCULAR	0.2	0	0	0
OR10951	RECT_CLOSED	30	10	0	0
OR1096	CIRCULAR	0.2	0	0	0
OR10961	RECT_CLOSED	30	10	0	0
OR1097	CIRCULAR	0.2	0	0	0
OR10971	RECT_CLOSED	30	10	0	0
OR1098	CIRCULAR	0.2	0	0	0
OR10981	RECT_CLOSED	30	10	0	0
OR1099	CIRCULAR	0.2	0	0	0
OR10991	RECT_CLOSED	30	10	0	0
OR11	CIRCULAR	0.3	0	0	0
OR110	CIRCULAR	0.25	0	0	0
OR1100	CIRCULAR	0.2	0	0	0
OR11001	RECT_CLOSED	30	10	0	0
OR1101	CIRCULAR	0.2	0	0	0
OR11011	RECT_CLOSED	30	10	0	0
OR1102	CIRCULAR	0.25	0	0	0
OR11021	RECT_CLOSED	30	10	0	0
OR1103	CIRCULAR	0.2	0	0	0
OR11031	RECT_CLOSED	30	10	0	0
OR1104	CIRCULAR	0.2	0	0	0
OR11041	RECT_CLOSED	30	10	0	0
OR1105	CIRCULAR	0.45	0	0	0
OR11051	RECT_CLOSED	30	10	0	0
OR1106	CIRCULAR	0.45	0	0	0
OR11061	RECT_CLOSED	30	10	0	0
OR1107	CIRCULAR	0.2	0	0	0
OR11071	RECT_CLOSED	30	10	0	0
OR1108	CIRCULAR	0.2	0	0	0
OR11081	RECT_CLOSED	30	10	0	0
OR1109	CIRCULAR	0.2	0	0	0
OR11091	RECT_CLOSED	30	10	0	0
OR111	CIRCULAR	0.2	0	0	0
OR1110	CIRCULAR	0.2	0	0	0

OR11101	RECT_CLOSED	30	10	0	0
OR11111	CIRCULAR	0.3	0	0	0
OR111111	RECT_CLOSED	30	10	0	0
OR11112	CIRCULAR	0.2	0	0	0
OR11121	RECT_CLOSED	30	10	0	0
OR1113	CIRCULAR	0.2	0	0	0
OR11131	RECT_CLOSED	30	10	0	0
OR1114	CIRCULAR	0.25	0	0	0
OR11141	RECT_CLOSED	30	10	0	0
OR1115	CIRCULAR	0.25	0	0	0
OR11151	RECT_CLOSED	30	10	0	0
OR1116	CIRCULAR	0.2	0	0	0
OR11161	RECT_CLOSED	30	10	0	0
OR1117	CIRCULAR	0.2	0	0	0
OR11171	RECT_CLOSED	30	10	0	0
OR1118	CIRCULAR	0.2	0	0	0
OR11181	RECT_CLOSED	30	10	0	0
OR1119	CIRCULAR	0.2	0	0	0
OR11191	RECT_CLOSED	30	10	0	0
OR112	CIRCULAR	0.2	0	0	0
OR1120	CIRCULAR	0.2	0	0	0
OR11201	RECT_CLOSED	30	10	0	0
OR1121	CIRCULAR	0.25	0	0	0
OR11211	RECT_CLOSED	30	10	0	0
OR1122	CIRCULAR	0.15	0	0	0
OR11221	RECT_CLOSED	30	10	0	0
OR1123	CIRCULAR	0.15	0	0	0
OR11231	RECT_CLOSED	30	10	0	0
OR1124	CIRCULAR	0.2	0	0	0
OR11241	RECT_CLOSED	30	10	0	0
OR1125	CIRCULAR	0.2	0	0	0
OR11251	RECT_CLOSED	30	10	0	0
OR1126	CIRCULAR	0.2	0	0	0
OR11261	RECT_CLOSED	30	10	0	0
OR1127	CIRCULAR	0.2	0	0	0
OR11271	RECT_CLOSED	30	10	0	0
OR1128	CIRCULAR	0.2	0	0	0
OR11281	RECT_CLOSED	30	10	0	0
OR1129	CIRCULAR	0.2	0	0	0
OR11291	RECT_CLOSED	30	10	0	0
OR113	CIRCULAR	0.2	0	0	0
OR1130	CIRCULAR	0.2	0	0	0
OR11301	RECT_CLOSED	30	10	0	0
OR1131	CIRCULAR	0.2	0	0	0
OR11311	RECT_CLOSED	30	10	0	0
OR1132	CIRCULAR	0.2	0	0	0
OR11321	RECT_CLOSED	30	10	0	0
OR1133	CIRCULAR	0.3	0	0	0
OR11331	RECT_CLOSED	30	10	0	0
OR1134	CIRCULAR	0.3	0	0	0
OR11341	RECT_CLOSED	30	10	0	0
OR1135	CIRCULAR	0.2	0	0	0
OR11351	RECT_CLOSED	30	10	0	0
OR1136	CIRCULAR	0.2	0	0	0
OR11361	RECT_CLOSED	30	10	0	0
OR1137	CIRCULAR	0.2	0	0	0
OR11371	RECT_CLOSED	30	10	0	0
OR1138	CIRCULAR	0.2	0	0	0
OR11381	RECT_CLOSED	30	10	0	0
OR1139	CIRCULAR	0.2	0	0	0
OR11391	RECT_CLOSED	30	10	0	0
OR114	CIRCULAR	0.2	0	0	0
OR1140	CIRCULAR	0.2	0	0	0
OR11401	RECT_CLOSED	30	10	0	0

OR1141	CIRCULAR	0.2	0	0	0
OR11411	RECT_CLOSED	30	10	0	0
OR1142	CIRCULAR	0.2	0	0	0
OR11421	RECT_CLOSED	30	10	0	0
OR1143	CIRCULAR	0.2	0	0	0
OR11431	RECT_CLOSED	30	10	0	0
OR1144	CIRCULAR	0.2	0	0	0
OR11441	RECT_CLOSED	30	10	0	0
OR1145	CIRCULAR	0.2	0	0	0
OR11451	RECT_CLOSED	30	10	0	0
OR1146	CIRCULAR	0.2	0	0	0
OR11461	RECT_CLOSED	30	10	0	0
OR1147	CIRCULAR	0.2	0	0	0
OR11471	RECT_CLOSED	30	10	0	0
OR1148	CIRCULAR	0.2	0	0	0
OR11481	RECT_CLOSED	30	10	0	0
OR1149	CIRCULAR	0.2	0	0	0
OR11491	RECT_CLOSED	30	10	0	0
OR115	CIRCULAR	0.2	0	0	0
OR1150	CIRCULAR	0.2	0	0	0
OR11501	RECT_CLOSED	30	10	0	0
OR1151	CIRCULAR	0.2	0	0	0
OR11511	RECT_CLOSED	30	10	0	0
OR1152	CIRCULAR	0.15	0	0	0
OR11521	RECT_CLOSED	30	10	0	0
OR1153	CIRCULAR	0.15	0	0	0
OR11531	RECT_CLOSED	30	10	0	0
OR1154	CIRCULAR	0.15	0	0	0
OR11541	RECT_CLOSED	30	10	0	0
OR1155	CIRCULAR	0.25	0	0	0
OR11551	RECT_CLOSED	30	10	0	0
OR1156	CIRCULAR	0.2	0	0	0
OR11561	RECT_CLOSED	30	10	0	0
OR1157	CIRCULAR	0.2	0	0	0
OR11571	RECT_CLOSED	30	10	0	0
OR1158	CIRCULAR	0.25	0	0	0
OR11581	RECT_CLOSED	30	10	0	0
OR1159	CIRCULAR	0.2	0	0	0
OR11591	RECT_CLOSED	30	10	0	0
OR116	CIRCULAR	0.2	0	0	0
OR1160	CIRCULAR	0.2	0	0	0
OR11601	RECT_CLOSED	30	10	0	0
OR1161	CIRCULAR	0.25	0	0	0
OR11611	RECT_CLOSED	30	10	0	0
OR1162	CIRCULAR	0.2	0	0	0
OR11621	RECT_CLOSED	30	10	0	0
OR1163	CIRCULAR	0.2	0	0	0
OR11631	RECT_CLOSED	30	10	0	0
OR1164	CIRCULAR	0.2	0	0	0
OR11641	RECT_CLOSED	30	10	0	0
OR1165	CIRCULAR	0.2	0	0	0
OR11651	RECT_CLOSED	30	10	0	0
OR1166	CIRCULAR	0.2	0	0	0
OR11661	RECT_CLOSED	30	10	0	0
OR1167	CIRCULAR	0.25	0	0	0
OR11671	RECT_CLOSED	30	10	0	0
OR1168	CIRCULAR	0.2	0	0	0
OR11681	RECT_CLOSED	30	10	0	0
OR1169	CIRCULAR	0.2	0	0	0
OR11691	RECT_CLOSED	30	10	0	0
OR117	CIRCULAR	0.2	0	0	0
OR1170	CIRCULAR	0.2	0	0	0
OR11701	RECT_CLOSED	30	10	0	0
OR1171	CIRCULAR	0.2	0	0	0

OR11711	RECT_CLOSED	30	10	0	0
OR1172	CIRCULAR	0.2	0	0	0
OR11721	RECT_CLOSED	30	10	0	0
OR1173	CIRCULAR	0.2	0	0	0
OR11731	RECT_CLOSED	30	10	0	0
OR1174	CIRCULAR	0.15	0	0	0
OR11741	RECT_CLOSED	30	10	0	0
OR1175	CIRCULAR	0.15	0	0	0
OR11751	RECT_CLOSED	30	10	0	0
OR1176	CIRCULAR	0.2	0	0	0
OR11761	RECT_CLOSED	30	10	0	0
OR1177	CIRCULAR	0.3	0	0	0
OR11771	RECT_CLOSED	30	10	0	0
OR1178	CIRCULAR	0.25	0	0	0
OR11781	RECT_CLOSED	30	10	0	0
OR1179	CIRCULAR	0.2	0	0	0
OR11791	RECT_CLOSED	30	10	0	0
OR118	CIRCULAR	0.2	0	0	0
OR1180	CIRCULAR	0.2	0	0	0
OR11801	RECT_CLOSED	30	10	0	0
OR1181	CIRCULAR	0.2	0	0	0
OR11811	RECT_CLOSED	30	10	0	0
OR1182	CIRCULAR	0.2	0	0	0
OR11821	RECT_CLOSED	30	10	0	0
OR1183	CIRCULAR	0.2	0	0	0
OR1184	CIRCULAR	0.2	0	0	0
OR1185	CIRCULAR	0.2	0	0	0
OR11851	RECT_CLOSED	30	10	0	0
OR1186	CIRCULAR	0.2	0	0	0
OR1187	CIRCULAR	0.25	0	0	0
OR1188	CIRCULAR	0.2	0	0	0
OR1189	CIRCULAR	0.3	0	0	0
OR119	CIRCULAR	0.2	0	0	0
OR11911	RECT_CLOSED	30	10	0	0
OR1192	CIRCULAR	0.2	0	0	0
OR11921	RECT_CLOSED	30	10	0	0
OR1193	CIRCULAR	0.2	0	0	0
OR11931	RECT_CLOSED	30	10	0	0
OR1194	CIRCULAR	0.2	0	0	0
OR11941	RECT_CLOSED	30	10	0	0
OR1195	CIRCULAR	0.2	0	0	0
OR11951	RECT_CLOSED	30	10	0	0
OR1196	CIRCULAR	0.2	0	0	0
OR11961	RECT_CLOSED	30	10	0	0
OR1197	CIRCULAR	0.25	0	0	0
OR11971	RECT_CLOSED	30	10	0	0
OR1198	CIRCULAR	0.2	0	0	0
OR11981	RECT_CLOSED	30	10	0	0
OR1199	CIRCULAR	0.2	0	0	0
OR11991	RECT_CLOSED	30	10	0	0
OR12	CIRCULAR	0.2	0	0	0
OR120	CIRCULAR	0.2	0	0	0
OR1200	CIRCULAR	0.2	0	0	0
OR12001	RECT_CLOSED	30	10	0	0
OR1201	CIRCULAR	0.2	0	0	0
OR12011	RECT_CLOSED	30	10	0	0
OR1202	CIRCULAR	0.2	0	0	0
OR12021	RECT_CLOSED	30	10	0	0
OR1203	CIRCULAR	0.2	0	0	0
OR12031	RECT_CLOSED	30	10	0	0
OR1204	CIRCULAR	0.2	0	0	0
OR12041	RECT_CLOSED	30	10	0	0
OR1205	CIRCULAR	0.2	0	0	0
OR12051	RECT_CLOSED	30	10	0	0

OR1206	CIRCULAR	0.2	0	0	0
OR12061	RECT_CLOSED	30	10	0	0
OR1207	CIRCULAR	0.2	0	0	0
OR12071	RECT_CLOSED	30	10	0	0
OR1208	CIRCULAR	0.2	0	0	0
OR12081	RECT_CLOSED	30	10	0	0
OR1209	CIRCULAR	0.2	0	0	0
OR12091	RECT_CLOSED	30	10	0	0
OR121	CIRCULAR	0.2	0	0	0
OR1210	CIRCULAR	0.2	0	0	0
OR12101	RECT_CLOSED	30	10	0	0
OR1211	CIRCULAR	0.2	0	0	0
OR12111	RECT_CLOSED	30	10	0	0
OR1212	CIRCULAR	0.2	0	0	0
OR12121	RECT_CLOSED	30	10	0	0
OR1213	CIRCULAR	0.2	0	0	0
OR12131	RECT_CLOSED	30	10	0	0
OR1214	CIRCULAR	0.2	0	0	0
OR12141	RECT_CLOSED	30	10	0	0
OR1215	CIRCULAR	0.2	0	0	0
OR12151	RECT_CLOSED	30	10	0	0
OR1216	CIRCULAR	0.2	0	0	0
OR12161	RECT_CLOSED	30	10	0	0
OR1217	CIRCULAR	0.2	0	0	0
OR12171	RECT_CLOSED	30	10	0	0
OR1218	CIRCULAR	0.2	0	0	0
OR12181	RECT_CLOSED	30	10	0	0
OR1219	CIRCULAR	0.2	0	0	0
OR12191	RECT_CLOSED	30	10	0	0
OR122	CIRCULAR	0.2	0	0	0
OR1220	CIRCULAR	0.2	0	0	0
OR12201	RECT_CLOSED	30	10	0	0
OR1221	CIRCULAR	0.2	0	0	0
OR12211	RECT_CLOSED	30	10	0	0
OR1222	CIRCULAR	0.2	0	0	0
OR12221	RECT_CLOSED	30	10	0	0
OR1223	CIRCULAR	0.2	0	0	0
OR12231	RECT_CLOSED	30	10	0	0
OR1224	CIRCULAR	0.2	0	0	0
OR12241	RECT_CLOSED	30	10	0	0
OR1225	CIRCULAR	0.3	0	0	0
OR12251	RECT_CLOSED	30	10	0	0
OR1226	CIRCULAR	0.2	0	0	0
OR12261	RECT_CLOSED	30	10	0	0
OR1227	CIRCULAR	0.2	0	0	0
OR12271	RECT_CLOSED	30	10	0	0
OR1228	CIRCULAR	0.2	0	0	0
OR12281	RECT_CLOSED	30	10	0	0
OR1229	CIRCULAR	0.2	0	0	0
OR12291	RECT_CLOSED	30	10	0	0
OR123	CIRCULAR	0.2	0	0	0
OR1230	CIRCULAR	0.2	0	0	0
OR12301	RECT_CLOSED	30	10	0	0
OR1231	CIRCULAR	0.2	0	0	0
OR12311	RECT_CLOSED	30	10	0	0
OR1232	CIRCULAR	0.2	0	0	0
OR12321	RECT_CLOSED	30	10	0	0
OR1233	CIRCULAR	0.2	0	0	0
OR12331	RECT_CLOSED	30	10	0	0
OR1234	CIRCULAR	0.2	0	0	0
OR12341	RECT_CLOSED	30	10	0	0
OR1235	CIRCULAR	0.2	0	0	0
OR12351	RECT_CLOSED	30	10	0	0
OR1236	CIRCULAR	0.2	0	0	0

OR12361	RECT_CLOSED	30	10	0	0
OR1237	CIRCULAR	0.2	0	0	0
OR12371	RECT_CLOSED	30	10	0	0
OR1238	CIRCULAR	0.2	0	0	0
OR12381	RECT_CLOSED	30	10	0	0
OR1239	CIRCULAR	0.2	0	0	0
OR12391	RECT_CLOSED	30	10	0	0
OR124	CIRCULAR	0.2	0	0	0
OR1240	CIRCULAR	0.2	0	0	0
OR12401	RECT_CLOSED	30	10	0	0
OR1241	CIRCULAR	0.2	0	0	0
OR12411	RECT_CLOSED	30	10	0	0
OR1242	CIRCULAR	0.2	0	0	0
OR12421	RECT_CLOSED	30	10	0	0
OR1243	CIRCULAR	0.2	0	0	0
OR12431	RECT_CLOSED	30	10	0	0
OR1244	CIRCULAR	0.2	0	0	0
OR12441	RECT_CLOSED	30	10	0	0
OR1245	CIRCULAR	0.2	0	0	0
OR12451	RECT_CLOSED	30	10	0	0
OR1246	CIRCULAR	0.2	0	0	0
OR12461	RECT_CLOSED	30	10	0	0
OR1247	CIRCULAR	0.2	0	0	0
OR12471	RECT_CLOSED	30	10	0	0
OR1248	CIRCULAR	0.2	0	0	0
OR12481	RECT_CLOSED	30	10	0	0
OR1249	CIRCULAR	0.2	0	0	0
OR12491	RECT_CLOSED	30	10	0	0
OR125	CIRCULAR	0.25	0	0	0
OR1250	CIRCULAR	0.2	0	0	0
OR12501	RECT_CLOSED	30	10	0	0
OR1251	CIRCULAR	0.2	0	0	0
OR12511	RECT_CLOSED	30	10	0	0
OR1252	CIRCULAR	0.2	0	0	0
OR12521	RECT_CLOSED	30	10	0	0
OR1253	CIRCULAR	0.2	0	0	0
OR12531	RECT_CLOSED	30	10	0	0
OR1254	CIRCULAR	0.2	0	0	0
OR12541	RECT_CLOSED	30	10	0	0
OR1255	CIRCULAR	0.15	0	0	0
OR12551	RECT_CLOSED	30	10	0	0
OR1256	CIRCULAR	0.2	0	0	0
OR12561	RECT_CLOSED	30	10	0	0
OR1257	CIRCULAR	0.3	0	0	0
OR12571	RECT_CLOSED	30	10	0	0
OR1258	CIRCULAR	0.125	0	0	0
OR12581	RECT_CLOSED	30	10	0	0
OR1259	CIRCULAR	0.15	0	0	0
OR12591	RECT_CLOSED	30	10	0	0
OR126	CIRCULAR	0.2	0	0	0
OR1260	CIRCULAR	0.15	0	0	0
OR12601	RECT_CLOSED	30	10	0	0
OR1261	CIRCULAR	0.15	0	0	0
OR12611	RECT_CLOSED	30	10	0	0
OR1262	CIRCULAR	0.15	0	0	0
OR12621	RECT_CLOSED	30	10	0	0
OR1263	CIRCULAR	0.2	0	0	0
OR12631	RECT_CLOSED	30	10	0	0
OR1264	CIRCULAR	0.2	0	0	0
OR12641	RECT_CLOSED	30	10	0	0
OR1265	CIRCULAR	0.2	0	0	0
OR12651	RECT_CLOSED	30	10	0	0
OR1266	CIRCULAR	0.2	0	0	0
OR12661	RECT_CLOSED	30	10	0	0

OR1267	CIRCULAR	0.2	0	0	0
OR12671	RECT_CLOSED	30	10	0	0
OR1268	CIRCULAR	0.2	0	0	0
OR12681	RECT_CLOSED	30	10	0	0
OR1269	CIRCULAR	0.2	0	0	0
OR12691	RECT_CLOSED	30	171.26	0	0
OR127	CIRCULAR	0.2	0	0	0
OR1270	CIRCULAR	0.2	0	0	0
OR12701	RECT_CLOSED	30	10	0	0
OR1271	CIRCULAR	0.2	0	0	0
OR12711	RECT_CLOSED	30	10	0	0
OR1272	CIRCULAR	0.2	0	0	0
OR12721	RECT_CLOSED	30	10	0	0
OR1273	CIRCULAR	0.2	0	0	0
OR12731	RECT_CLOSED	30	10	0	0
OR1274	CIRCULAR	0.2	0	0	0
OR12741	RECT_CLOSED	30	10	0	0
OR1275	CIRCULAR	0.2	0	0	0
OR12751	RECT_CLOSED	30	10	0	0
OR1276	CIRCULAR	0.2	0	0	0
OR12761	RECT_CLOSED	30	10	0	0
OR1277	CIRCULAR	0.2	0	0	0
OR12771	RECT_CLOSED	30	10	0	0
OR1278	CIRCULAR	0.2	0	0	0
OR12781	RECT_CLOSED	30	10	0	0
OR1279	CIRCULAR	0.2	0	0	0
OR12791	RECT_CLOSED	30	10	0	0
OR128	CIRCULAR	0.2	0	0	0
OR1280	CIRCULAR	0.2	0	0	0
OR12801	RECT_CLOSED	30	10	0	0
OR1281	CIRCULAR	0.2	0	0	0
OR12811	RECT_CLOSED	30	10	0	0
OR1282	CIRCULAR	0.2	0	0	0
OR12821	RECT_CLOSED	30	10	0	0
OR1283	CIRCULAR	0.2	0	0	0
OR12831	RECT_CLOSED	30	10	0	0
OR1284	CIRCULAR	0.2	0	0	0
OR12841	RECT_CLOSED	30	53.17	0	0
OR1285	CIRCULAR	0.15	0	0	0
OR12851	RECT_CLOSED	30	10	0	0
OR1286	CIRCULAR	0.15	0	0	0
OR12861	RECT_CLOSED	30	10	0	0
OR1287	CIRCULAR	0.25	0	0	0
OR12871	RECT_CLOSED	30	10	0	0
OR1288	CIRCULAR	0.25	0	0	0
OR12881	RECT_CLOSED	30	10	0	0
OR1289	CIRCULAR	0.25	0	0	0
OR12891	RECT_CLOSED	30	10	0	0
OR129	CIRCULAR	0.2	0	0	0
OR1290	CIRCULAR	0.25	0	0	0
OR12901	RECT_CLOSED	30	10	0	0
OR1291	CIRCULAR	0.2	0	0	0
OR12911	RECT_CLOSED	30	10	0	0
OR1292	CIRCULAR	0.2	0	0	0
OR12921	RECT_CLOSED	30	10	0	0
OR1293	CIRCULAR	0.25	0	0	0
OR12931	RECT_CLOSED	30	10	0	0
OR1294	CIRCULAR	0.2	0	0	0
OR12941	RECT_CLOSED	30	10	0	0
OR1295	CIRCULAR	0.2	0	0	0
OR12951	RECT_CLOSED	30	10	0	0
OR1296	RECT_CLOSED	1	10.5	0	0
OR12961	RECT_CLOSED	30	10	0	0
OR1297	CIRCULAR	0.25	0	0	0

OR12971	RECT_CLOSED	30	10	0	0
OR1298	CIRCULAR	0.2	0	0	0
OR12981	RECT_CLOSED	30	10	0	0
OR1299	CIRCULAR	0.2	0	0	0
OR12991	RECT_CLOSED	30	10	0	0
OR13	CIRCULAR	0.15	0	0	0
OR130	CIRCULAR	0.2	0	0	0
OR1300	CIRCULAR	0.2	0	0	0
OR13001	RECT_CLOSED	30	10	0	0
OR1301	CIRCULAR	0.2	0	0	0
OR13011	RECT_CLOSED	30	10	0	0
OR1302	CIRCULAR	0.2	0	0	0
OR13021	RECT_CLOSED	30	10	0	0
OR1303	CIRCULAR	0.3	0	0	0
OR13031	RECT_CLOSED	30	10	0	0
OR1304	CIRCULAR	0.2	0	0	0
OR13041	RECT_CLOSED	30	10	0	0
OR1305	CIRCULAR	0.15	0	0	0
OR13051	RECT_CLOSED	30	10	0	0
OR1306	CIRCULAR	0.15	0	0	0
OR13061	RECT_CLOSED	30	10	0	0
OR1307	CIRCULAR	0.15	0	0	0
OR13071	RECT_CLOSED	30	10	0	0
OR1308	CIRCULAR	0.15	0	0	0
OR13081	RECT_CLOSED	30	10	0	0
OR1309	CIRCULAR	0.15	0	0	0
OR13091	RECT_CLOSED	30	10	0	0
OR131	CIRCULAR	0.2	0	0	0
OR1310	CIRCULAR	0.15	0	0	0
OR13101	RECT_CLOSED	30	10	0	0
OR1311	CIRCULAR	0.2	0	0	0
OR13111	RECT_CLOSED	30	10	0	0
OR1312	CIRCULAR	0.2	0	0	0
OR13121	RECT_CLOSED	30	10	0	0
OR1313	CIRCULAR	0.15	0	0	0
OR13131	RECT_CLOSED	30	10	0	0
OR1314	CIRCULAR	0.15	0	0	0
OR13141	RECT_CLOSED	30	10	0	0
OR1315	CIRCULAR	0.15	0	0	0
OR13151	RECT_CLOSED	30	10	0	0
OR1316	CIRCULAR	0.15	0	0	0
OR13161	RECT_CLOSED	30	10	0	0
OR1317	CIRCULAR	0.15	0	0	0
OR13171	RECT_CLOSED	30	10	0	0
OR1318	CIRCULAR	0.2	0	0	0
OR13181	RECT_CLOSED	30	10	0	0
OR1319	CIRCULAR	0.2	0	0	0
OR13191	RECT_CLOSED	30	10	0	0
OR132	CIRCULAR	0.2	0	0	0
OR1320	CIRCULAR	0.2	0	0	0
OR13201	RECT_CLOSED	30	10	0	0
OR1321	CIRCULAR	0.2	0	0	0
OR13211	RECT_CLOSED	30	10	0	0
OR1322	CIRCULAR	0.2	0	0	0
OR13221	RECT_CLOSED	30	10	0	0
OR1323	CIRCULAR	0.2	0	0	0
OR13231	RECT_CLOSED	30	10	0	0
OR1324	CIRCULAR	0.2	0	0	0
OR13241	RECT_CLOSED	30	10	0	0
OR1325	CIRCULAR	0.25	0	0	0
OR13251	RECT_CLOSED	30	10	0	0
OR1326	CIRCULAR	0.2	0	0	0
OR13261	RECT_CLOSED	30	10	0	0
OR1327	CIRCULAR	0.15	0	0	0

OR13271	RECT_CLOSED	30	10	0	0
OR1328	CIRCULAR	0.2	0	0	0
OR13281	RECT_CLOSED	30	10	0	0
OR1329	CIRCULAR	0.15	0	0	0
OR13291	RECT_CLOSED	30	10	0	0
OR133	CIRCULAR	0.2	0	0	0
OR1330	CIRCULAR	0.15	0	0	0
OR13301	RECT_CLOSED	30	10	0	0
OR1331	CIRCULAR	0.15	0	0	0
OR13311	RECT_CLOSED	30	10	0	0
OR1332	CIRCULAR	0.15	0	0	0
OR13321	RECT_CLOSED	30	10	0	0
OR1333	CIRCULAR	0.15	0	0	0
OR13331	RECT_CLOSED	30	10	0	0
OR1334	CIRCULAR	0.15	0	0	0
OR13341	RECT_CLOSED	30	10	0	0
OR1335	CIRCULAR	0.15	0	0	0
OR13351	RECT_CLOSED	30	10	0	0
OR1336	CIRCULAR	0.15	0	0	0
OR13361	RECT_CLOSED	30	10	0	0
OR1337	CIRCULAR	0.15	0	0	0
OR13371	RECT_CLOSED	30	10	0	0
OR1338	CIRCULAR	0.15	0	0	0
OR13381	RECT_CLOSED	30	10	0	0
OR1339	CIRCULAR	0.15	0	0	0
OR13391	RECT_CLOSED	30	10	0	0
OR134	CIRCULAR	0.2	0	0	0
OR1340	CIRCULAR	0.15	0	0	0
OR13401	RECT_CLOSED	30	10	0	0
OR1341	CIRCULAR	0.15	0	0	0
OR13411	RECT_CLOSED	30	10	0	0
OR1342	CIRCULAR	0.2	0	0	0
OR13421	RECT_CLOSED	30	10	0	0
OR1343	CIRCULAR	0.2	0	0	0
OR13431	RECT_CLOSED	30	10	0	0
OR1344	CIRCULAR	0.2	0	0	0
OR13441	RECT_CLOSED	30	10	0	0
OR1345	CIRCULAR	0.2	0	0	0
OR13451	RECT_CLOSED	30	10	0	0
OR1346	CIRCULAR	0.2	0	0	0
OR13461	RECT_CLOSED	30	10	0	0
OR1347	CIRCULAR	0.2	0	0	0
OR13471	RECT_CLOSED	30	10	0	0
OR1348	CIRCULAR	0.2	0	0	0
OR13481	RECT_CLOSED	30	10	0	0
OR1349	CIRCULAR	0.2	0	0	0
OR13491	RECT_CLOSED	30	10	0	0
OR135	CIRCULAR	0.25	0	0	0
OR1350	CIRCULAR	0.2	0	0	0
OR13501	RECT_CLOSED	30	10	0	0
OR1351	CIRCULAR	0.3	0	0	0
OR13511	RECT_CLOSED	30	10	0	0
OR1352	RECT_CLOSED	1	43	0	0
OR13521	RECT_CLOSED	30	10	0	0
OR1353	RECT_CLOSED	1	10	0	0
OR13531	RECT_CLOSED	30	10	0	0
OR1354	RECT_CLOSED	1	10	0	0
OR13541	RECT_CLOSED	30	10	0	0
OR1355	RECT_CLOSED	1	49	0	0
OR13551	RECT_CLOSED	30	10	0	0
OR1356	RECT_CLOSED	1	49	0	0
OR13561	RECT_CLOSED	30	10	0	0
OR1357	RECT_CLOSED	1	10	0	0
OR13571	RECT_CLOSED	30	10	0	0

OR1358	RECT_CLOSED	1	10	0	0
OR13581	RECT_CLOSED	30	10	0	0
OR1359	RECT_CLOSED	1	54	0	0
OR13591	RECT_CLOSED	30	10	0	0
OR136	CIRCULAR	0.25	0	0	0
OR1360	RECT_CLOSED	1	10.5	0	0
OR13601	RECT_CLOSED	30	10	0	0
OR1361	CIRCULAR	0.325	0	0	0
OR13611	RECT_CLOSED	30	10	0	0
OR1362	RECT_CLOSED	1	7	0	0
OR13621	RECT_CLOSED	30	10	0	0
OR1363	RECT_CLOSED	1	7	0	0
OR13631	RECT_CLOSED	30	10	0	0
OR1364	CIRCULAR	0.25	0	0	0
OR13641	RECT_CLOSED	30	10	0	0
OR1365	CIRCULAR	0.25	0	0	0
OR13651	RECT_CLOSED	30	10	0	0
OR1366	CIRCULAR	0.25	0	0	0
OR13661	RECT_CLOSED	30	10	0	0
OR1367	CIRCULAR	1	0	0	0
OR13671	RECT_CLOSED	30	10	0	0
OR1368	RECT_CLOSED	30	10	0	0
OR13681	RECT_CLOSED	30	10	0	0
OR1369	RECT_CLOSED	30	10	0	0
OR13691	RECT_CLOSED	30	10	0	0
OR137	CIRCULAR	0.25	0	0	0
OR1370	CIRCULAR	0.25	0	0	0
OR13701	RECT_CLOSED	30	10	0	0
OR1371	RECT_CLOSED	30	10	0	0
OR13711	RECT_CLOSED	30	10	0	0
OR1372	CIRCULAR	0.25	0	0	0
OR13721	RECT_CLOSED	30	10	0	0
OR1373	RECT_CLOSED	30	10	0	0
OR13731	RECT_CLOSED	30	10	0	0
OR1374	RECT_CLOSED	30	10	0	0
OR13741	RECT_CLOSED	30	10	0	0
OR1375	RECT_CLOSED	1	45	0	0
OR13751	RECT_CLOSED	30	10	0	0
OR1376	RECT_CLOSED	1	45	0	0
OR13761	RECT_CLOSED	30	10	0	0
OR1377	RECT_CLOSED	1	45	0	0
OR13771	RECT_CLOSED	30	10	0	0
OR1378	RECT_CLOSED	1	45	0	0
OR13781	RECT_CLOSED	30	10	0	0
OR1379	RECT_CLOSED	1	10	0	0
OR13791	RECT_CLOSED	30	10	0	0
OR138	CIRCULAR	0.25	0	0	0
OR1380	RECT_CLOSED	1	45	0	0
OR13801	RECT_CLOSED	30	10	0	0
OR1381	RECT_CLOSED	30	10	0	0
OR1382	RECT_CLOSED	1	45	0	0
OR13821	RECT_CLOSED	30	10	0	0
OR1383	RECT_CLOSED	1	45	0	0
OR13831	RECT_CLOSED	30	10	0	0
OR1384	RECT_CLOSED	1	10	0	0
OR13841	RECT_CLOSED	30	10	0	0
OR1385	RECT_CLOSED	30	10	0	0
OR13851	RECT_CLOSED	30	10	0	0
OR1386	RECT_CLOSED	30	10	0	0
OR13861	RECT_CLOSED	30	10	0	0
OR1387	RECT_CLOSED	30	10	0	0
OR13871	RECT_CLOSED	30	10	0	0
OR1388	RECT_CLOSED	30	10	0	0
OR13881	RECT_CLOSED	30	10	0	0

OR1389	RECT_CLOSED	30	10	0	0
OR13891	RECT_CLOSED	30	10	0	0
OR139	CIRCULAR	0.25	0	0	0
OR1390	RECT_CLOSED	30	10	0	0
OR13901	RECT_CLOSED	1	42	0	0
OR1391	RECT_CLOSED	30	10	0	0
OR13911	RECT_CLOSED	30	10	0	0
OR1392	RECT_CLOSED	30	10	0	0
OR13921	RECT_CLOSED	30	10	0	0
OR1393	RECT_CLOSED	30	10	0	0
OR13931	RECT_CLOSED	30	10	0	0
OR1394	RECT_CLOSED	30	10	0	0
OR13941	RECT_CLOSED	30	10	0	0
OR1395	RECT_CLOSED	30	10	0	0
OR13951	RECT_CLOSED	30	10	0	0
OR1396	RECT_CLOSED	30	10	0	0
OR13961	RECT_CLOSED	30	10	0	0
OR1397	RECT_CLOSED	30	10	0	0
OR13971	RECT_CLOSED	30	10	0	0
OR13981	RECT_CLOSED	30	10	0	0
OR13991	RECT_CLOSED	30	10	0	0
OR14	CIRCULAR	0.2	0	0	0
OR140	CIRCULAR	0.25	0	0	0
OR14001	RECT_CLOSED	30	10	0	0
OR1401	RECT_CLOSED	30	10	0	0
OR14011	RECT_CLOSED	30	10	0	0
OR14021	RECT_CLOSED	30	10	0	0
OR14031	RECT_CLOSED	30	10	0	0
OR14041	RECT_CLOSED	30	10	0	0
OR14051	RECT_CLOSED	30	10	0	0
OR14061	RECT_CLOSED	30	10	0	0
OR14071	RECT_CLOSED	30	10	0	0
OR14081	RECT_CLOSED	30	10	0	0
OR14091	RECT_CLOSED	30	10	0	0
OR141	RECT_CLOSED	0.3	7	0	0
OR14101	RECT_CLOSED	30	10	0	0
OR1411	RECT_CLOSED	30	10	0	0
OR14111	RECT_CLOSED	30	10	0	0
OR14121	RECT_CLOSED	30	10	0	0
OR14131	RECT_CLOSED	30	10	0	0
OR14141	RECT_CLOSED	30	10	0	0
OR14151	RECT_CLOSED	30	10	0	0
OR14161	RECT_CLOSED	30	10	0	0
OR14171	RECT_CLOSED	30	10	0	0
OR14181	RECT_CLOSED	30	10	0	0
OR14191	RECT_CLOSED	30	10	0	0
OR142	RECT_CLOSED	0.3	119	0	0
OR14201	RECT_CLOSED	30	10	0	0
OR1421	RECT_CLOSED	30	10	0	0
OR14211	RECT_CLOSED	30	10	0	0
OR14221	RECT_CLOSED	30	10	0	0
OR14231	RECT_CLOSED	30	10	0	0
OR14241	RECT_CLOSED	30	10	0	0
OR14251	RECT_CLOSED	30	10	0	0
OR14261	RECT_CLOSED	30	10	0	0
OR14271	RECT_CLOSED	30	10	0	0
OR14281	RECT_CLOSED	30	10	0	0
OR14291	CIRCULAR	0.15	0	0	0
OR143	RECT_CLOSED	0.3	120	0	0
OR14301	RECT_CLOSED	30	10	0	0
OR1431	RECT_CLOSED	30	10	0	0
OR14311	RECT_CLOSED	30	10	0	0
OR14321	RECT_CLOSED	30	10	0	0
OR14331	RECT_CLOSED	30	10	0	0

OR14341	RECT_CLOSED	30	10	0	0
OR14351	RECT_CLOSED	30	10	0	0
OR14361	RECT_CLOSED	30	10	0	0
OR14371	RECT_CLOSED	30	10	0	0
OR14381	RECT_CLOSED	30	10	0	0
OR14391	RECT_CLOSED	30	10	0	0
OR144	RECT_CLOSED	0.3	120	0	0
OR14401	RECT_CLOSED	30	10	0	0
OR1441	RECT_CLOSED	30	10	0	0
OR14411	RECT_CLOSED	30	10	0	0
OR14421	RECT_CLOSED	30	10	0	0
OR14431	RECT_CLOSED	30	10	0	0
OR14441	CIRCULAR	0.25	0	0	0
OR14451	RECT_CLOSED	30	10	0	0
OR14461	CIRCULAR	0.25	0	0	0
OR14471	CIRCULAR	0.25	0	0	0
OR14481	RECT_CLOSED	0.3	10	0	0
OR14491	CIRCULAR	0.25	0	0	0
OR145	RECT_CLOSED	0.3	7	0	0
OR14501	CIRCULAR	0.25	0	0	0
OR1451	RECT_CLOSED	30	10	0	0
OR14511	CIRCULAR	0.25	0	0	0
OR14521	CIRCULAR	0.3	0	0	0
OR14531	CIRCULAR	0.3	0	0	0
OR14541	RECT_CLOSED	1	87	0	0
OR14551	RECT_CLOSED	1	79	0	0
OR14561	RECT_CLOSED	1	76.5	0	0
OR14571	RECT_CLOSED	1	85	0	0
OR14581	RECT_CLOSED	1	87.5	0	0
OR14591	RECT_CLOSED	1	93.5	0	0
OR146	RECT_CLOSED	0.3	7	0	0
OR14601	RECT_CLOSED	1	95	0	0
OR1461	RECT_CLOSED	30	10	0	0
OR14611	RECT_CLOSED	1	58	0	0
OR14621	RECT_CLOSED	1	57	0	0
OR14631	RECT_CLOSED	1	87.5	0	0
OR14641	RECT_CLOSED	1	86	0	0
OR14651	RECT_CLOSED	1	46	0	0
OR14661	RECT_CLOSED	1	3.5	0	0
OR14671	RECT_CLOSED	0.3	10	0	0
OR14681	RECT_CLOSED	0.3	10	0	0
OR14691	RECT_CLOSED	0.3	10	0	0
OR147	RECT_CLOSED	0.3	181	0	0
OR14701	RECT_CLOSED	0.3	10	0	0
OR1471	RECT_CLOSED	30	10	0	0
OR14711	RECT_CLOSED	0.3	10	0	0
OR14721	RECT_CLOSED	0.3	10	0	0
OR14731	RECT_CLOSED	0.3	10	0	0
OR14741	RECT_CLOSED	0.3	10	0	0
OR14751	RECT_CLOSED	1	30	0	0
OR14761	RECT_CLOSED	1	30	0	0
OR14771	RECT_CLOSED	1	10	0	0
OR14781	RECT_CLOSED	1	30	0	0
OR14791	RECT_CLOSED	1	10	0	0
OR148	RECT_CLOSED	0.3	7	0	0
OR14801	RECT_CLOSED	1	10	0	0
OR1481	RECT_CLOSED	30	10	0	0
OR14811	RECT_CLOSED	1	10	0	0
OR14821	RECT_CLOSED	1	10	0	0
OR14831	RECT_CLOSED	0.3	10	0	0
OR14841	RECT_CLOSED	0.3	10	0	0
OR14851	RECT_CLOSED	0.3	10	0	0
OR14861	RECT_CLOSED	0.3	10	0	0
OR14871	CIRCULAR	0.15	0	0	0

OR14881	CIRCULAR	0.15	0	0	0
OR14891	CIRCULAR	0.15	0	0	0
OR149	CIRCULAR	0.25	0	0	0
OR14901	CIRCULAR	0.2	0	0	0
OR1491	RECT_CLOSED	30	10	0	0
OR14911	RECT_CLOSED	30	10	0	0
OR14921	RECT_CLOSED	30	10	0	0
OR14931	RECT_CLOSED	1	30	0	0
OR14941	RECT_CLOSED	1	10	0	0
OR14951	CIRCULAR	0.25	0	0	0
OR14961	CIRCULAR	0.25	0	0	0
OR14971	RECT_CLOSED	30	10	0	0
OR14981	RECT_CLOSED	30	10	0	0
OR14991	RECT_CLOSED	1	30	0	0
OR15	CIRCULAR	0.3	0	0	0
OR150	RECT_CLOSED	0.3	7	0	0
OR1501	RECT_CLOSED	30	10	0	0
OR151	RECT_CLOSED	0.3	196	0	0
OR1511	RECT_CLOSED	30	10	0	0
OR152	RECT_CLOSED	0.3	7	0	0
OR1521	RECT_CLOSED	30	10	0	0
OR153	RECT_CLOSED	0.3	181	0	0
OR1531	RECT_CLOSED	30	10	0	0
OR154	RECT_CLOSED	0.3	70.5	0	0
OR1541	RECT_CLOSED	30	10	0	0
OR155	CIRCULAR	0.2	0	0	0
OR1551	RECT_CLOSED	30	10	0	0
OR156	CIRCULAR	0.2	0	0	0
OR1561	RECT_CLOSED	30	10	0	0
OR157	CIRCULAR	0.2	0	0	0
OR1571	RECT_CLOSED	30	10	0	0
OR158	CIRCULAR	0.2	0	0	0
OR1581	RECT_CLOSED	30	10	0	0
OR159	CIRCULAR	0.2	0	0	0
OR1591	RECT_CLOSED	30	10	0	0
OR160	CIRCULAR	0.2	0	0	0
OR161	CIRCULAR	0.2	0	0	0
OR1611	RECT_CLOSED	30	10	0	0
OR162	CIRCULAR	0.2	0	0	0
OR1621	RECT_CLOSED	30	10	0	0
OR163	CIRCULAR	0.2	0	0	0
OR1631	RECT_CLOSED	30	10	0	0
OR164	CIRCULAR	0.2	0	0	0
OR1641	RECT_CLOSED	30	10	0	0
OR165	CIRCULAR	0.2	0	0	0
OR1651	RECT_CLOSED	30	10	0	0
OR166	CIRCULAR	0.2	0	0	0
OR1661	RECT_CLOSED	30	10	0	0
OR167	CIRCULAR	0.2	0	0	0
OR1671	CIRCULAR	1	0	0	0
OR168	CIRCULAR	0.2	0	0	0
OR1681	RECT_CLOSED	30	10	0	0
OR169	CIRCULAR	0.15	0	0	0
OR1691	RECT_CLOSED	30	10	0	0
OR17	CIRCULAR	0.094	0	0	0
OR170	CIRCULAR	0.2	0	0	0
OR1701	RECT_CLOSED	30	10	0	0
OR171	CIRCULAR	0.2	0	0	0
OR1711	RECT_CLOSED	30	10	0	0
OR172	CIRCULAR	0.2	0	0	0
OR1721	RECT_CLOSED	30	10	0	0
OR173	CIRCULAR	0.2	0	0	0
OR1731	RECT_CLOSED	30	10	0	0
OR174	CIRCULAR	0.2	0	0	0

OR1741	RECT_CLOSED	30	10	0	0
OR175	CIRCULAR	0.2	0	0	0
OR1751	RECT_CLOSED	30	10	0	0
OR176	CIRCULAR	0.25	0	0	0
OR1761	RECT_CLOSED	30	10	0	0
OR177	CIRCULAR	0.25	0	0	0
OR1771	RECT_CLOSED	30	10	0	0
OR178	CIRCULAR	0.25	0	0	0
OR1781	RECT_CLOSED	30	10	0	0
OR179	CIRCULAR	0.25	0	0	0
OR1791	RECT_CLOSED	30	10	0	0
OR18	CIRCULAR	0.2	0	0	0
OR180	CIRCULAR	0.25	0	0	0
OR1801	RECT_CLOSED	30	10	0	0
OR181	CIRCULAR	0.2	0	0	0
OR1811	RECT_CLOSED	30	10	0	0
OR182	CIRCULAR	0.2	0	0	0
OR1821	RECT_CLOSED	30	10	0	0
OR183	CIRCULAR	0.2	0	0	0
OR1831	RECT_CLOSED	30	10	0	0
OR184	CIRCULAR	0.2	0	0	0
OR1841	RECT_CLOSED	30	10	0	0
OR185	CIRCULAR	0.2	0	0	0
OR1851	RECT_CLOSED	30	10	0	0
OR186	CIRCULAR	0.2	0	0	0
OR1861	RECT_CLOSED	30	10	0	0
OR187	CIRCULAR	0.2	0	0	0
OR1871	RECT_CLOSED	30	10	0	0
OR188	CIRCULAR	0.2	0	0	0
OR1881	RECT_CLOSED	30	10	0	0
OR189	CIRCULAR	0.15	0	0	0
OR1891	RECT_CLOSED	30	10	0	0
OR19	CIRCULAR	0.25	0	0	0
OR190	CIRCULAR	0.15	0	0	0
OR1901	RECT_CLOSED	30	10	0	0
OR191	CIRCULAR	0.2	0	0	0
OR1911	RECT_CLOSED	30	10	0	0
OR192	CIRCULAR	0.375	0	0	0
OR1921	RECT_CLOSED	30	10	0	0
OR193	CIRCULAR	0.2	0	0	0
OR1931	RECT_CLOSED	30	10	0	0
OR194	CIRCULAR	0.2	0	0	0
OR1941	RECT_CLOSED	30	10	0	0
OR195	CIRCULAR	0.2	0	0	0
OR1951	RECT_CLOSED	30	10	0	0
OR196	CIRCULAR	0.2	0	0	0
OR1961	RECT_CLOSED	30	10	0	0
OR197	CIRCULAR	0.2	0	0	0
OR1971	RECT_CLOSED	30	10	0	0
OR198	CIRCULAR	0.2	0	0	0
OR1981	RECT_CLOSED	30	10	0	0
OR199	CIRCULAR	0.2	0	0	0
OR1991	RECT_CLOSED	30	10	0	0
OR2	CIRCULAR	0.25	0	0	0
OR20	CIRCULAR	0.25	0	0	0
OR200	CIRCULAR	0.3	0	0	0
OR2001	RECT_CLOSED	30	10	0	0
OR201	CIRCULAR	0.3	0	0	0
OR2011	RECT_CLOSED	30	10	0	0
OR202	CIRCULAR	0.25	0	0	0
OR2021	RECT_CLOSED	30	10	0	0
OR203	CIRCULAR	0.25	0	0	0
OR2031	RECT_CLOSED	30	10	0	0
OR204	CIRCULAR	0.2	0	0	0

OR2041	RECT_CLOSED	30	10	0	0
OR205	CIRCULAR	0.2	0	0	0
OR2051	CIRCULAR	0.2	0	0	0
OR206	CIRCULAR	0.25	0	0	0
OR2061	RECT_CLOSED	0.3	30	0	0
OR207	CIRCULAR	0.2	0	0	0
OR2071	RECT_CLOSED	0.3	30	0	0
OR208	CIRCULAR	0.2	0	0	0
OR2081	RECT_CLOSED	30	10	0	0
OR209	CIRCULAR	0.2	0	0	0
OR2091	RECT_CLOSED	30	10	0	0
OR21	CIRCULAR	0.25	0	0	0
OR210	CIRCULAR	0.25	0	0	0
OR2101	RECT_CLOSED	30	10	0	0
OR211	CIRCULAR	0.25	0	0	0
OR2111	RECT_CLOSED	30	10	0	0
OR212	CIRCULAR	0.2	0	0	0
OR2121	RECT_CLOSED	30	10	0	0
OR213	CIRCULAR	0.2	0	0	0
OR2131	RECT_CLOSED	30	10	0	0
OR214	CIRCULAR	0.2	0	0	0
OR2141	RECT_CLOSED	30	10	0	0
OR215	CIRCULAR	0.2	0	0	0
OR2151	RECT_CLOSED	30	10	0	0
OR216	CIRCULAR	0.2	0	0	0
OR2161	RECT_CLOSED	30	10	0	0
OR217	CIRCULAR	0.2	0	0	0
OR2171	RECT_CLOSED	30	10	0	0
OR218	CIRCULAR	0.2	0	0	0
OR2181	RECT_CLOSED	30	10	0	0
OR219	CIRCULAR	0.2	0	0	0
OR2191	RECT_CLOSED	30	10	0	0
OR22	CIRCULAR	0.25	0	0	0
OR220	CIRCULAR	0.2	0	0	0
OR2201	RECT_CLOSED	30	10	0	0
OR221	CIRCULAR	0.25	0	0	0
OR2211	RECT_CLOSED	30	10	0	0
OR222	CIRCULAR	0.2	0	0	0
OR2221	RECT_CLOSED	30	10	0	0
OR223	CIRCULAR	0.2	0	0	0
OR2231	RECT_CLOSED	30	10	0	0
OR224	CIRCULAR	0.2	0	0	0
OR2241	RECT_CLOSED	30	10	0	0
OR2251	RECT_CLOSED	30	10	0	0
OR226	CIRCULAR	0.2	0	0	0
OR2261	RECT_CLOSED	30	10	0	0
OR227	CIRCULAR	0.2	0	0	0
OR2271	RECT_CLOSED	30	10	0	0
OR228	CIRCULAR	0.2	0	0	0
OR2281	RECT_CLOSED	30	10	0	0
OR229	CIRCULAR	0.2	0	0	0
OR2291	RECT_CLOSED	30	10	0	0
OR23	CIRCULAR	0.25	0	0	0
OR230	CIRCULAR	0.2	0	0	0
OR2301	RECT_CLOSED	30	10	0	0
OR231	CIRCULAR	0.2	0	0	0
OR2311	RECT_CLOSED	30	10	0	0
OR232	CIRCULAR	0.2	0	0	0
OR2321	RECT_CLOSED	30	10	0	0
OR233	CIRCULAR	0.2	0	0	0
OR2331	RECT_CLOSED	30	10	0	0
OR234	CIRCULAR	0.3	0	0	0
OR2341	RECT_CLOSED	30	10	0	0
OR235	CIRCULAR	0.15	0	0	0

OR2351	RECT_CLOSED	30	10	0	0
OR236	CIRCULAR	0.15	0	0	0
OR2361	RECT_CLOSED	30	10	0	0
OR237	CIRCULAR	0.15	0	0	0
OR2371	RECT_CLOSED	30	10	0	0
OR238	CIRCULAR	0.15	0	0	0
OR2381	RECT_CLOSED	30	10	0	0
OR239	CIRCULAR	0.15	0	0	0
OR2391	RECT_CLOSED	30	10	0	0
OR24	CIRCULAR	0.25	0	0	0
OR240	CIRCULAR	0.2	0	0	0
OR2401	RECT_CLOSED	30	10	0	0
OR241	CIRCULAR	0.2	0	0	0
OR2411	RECT_CLOSED	30	10	0	0
OR242	CIRCULAR	0.2	0	0	0
OR2421	RECT_CLOSED	30	10	0	0
OR243	CIRCULAR	0.25	0	0	0
OR2431	RECT_CLOSED	30	10	0	0
OR244	CIRCULAR	0.25	0	0	0
OR2441	RECT_CLOSED	30	10	0	0
OR245	CIRCULAR	0.25	0	0	0
OR2451	RECT_CLOSED	30	10	0	0
OR246	CIRCULAR	0.25	0	0	0
OR2461	RECT_CLOSED	30	10	0	0
OR247	CIRCULAR	0.3	0	0	0
OR2471	RECT_CLOSED	30	10	0	0
OR248	CIRCULAR	0.2	0	0	0
OR2481	RECT_CLOSED	30	10	0	0
OR249	CIRCULAR	0.2	0	0	0
OR2491	RECT_CLOSED	30	10	0	0
OR25	CIRCULAR	0.25	0	0	0
OR250	CIRCULAR	0.2	0	0	0
OR2501	RECT_CLOSED	30	10	0	0
OR251	CIRCULAR	0.2	0	0	0
OR2511	RECT_CLOSED	0.2	0.315	0	0
OR252	CIRCULAR	0.2	0	0	0
OR2521	CIRCULAR	0.2	0	0	0
OR253	CIRCULAR	0.2	0	0	0
OR2531	RECT_CLOSED	30	10	0	0
OR254	CIRCULAR	0.2	0	0	0
OR2541	RECT_CLOSED	30	10	0	0
OR255	CIRCULAR	0.2	0	0	0
OR2551	RECT_CLOSED	30	10	0	0
OR256	CIRCULAR	0.2	0	0	0
OR2561	RECT_CLOSED	30	10	0	0
OR257	CIRCULAR	0.2	0	0	0
OR2571	RECT_CLOSED	30	10	0	0
OR258	CIRCULAR	0.2	0	0	0
OR2581	RECT_CLOSED	30	10	0	0
OR259	CIRCULAR	0.2	0	0	0
OR2591	RECT_CLOSED	30	10	0	0
OR26	CIRCULAR	0.25	0	0	0
OR260	CIRCULAR	0.2	0	0	0
OR2601	RECT_CLOSED	30	10	0	0
OR261	CIRCULAR	0.2	0	0	0
OR2611	RECT_CLOSED	30	10	0	0
OR262	CIRCULAR	0.2	0	0	0
OR2621	RECT_CLOSED	30	10	0	0
OR263	CIRCULAR	0.2	0	0	0
OR2631	CIRCULAR	0.2	0	0	0
OR264	CIRCULAR	0.2	0	0	0
OR2640	RECT_CLOSED	1	23.59	0	0
OR2641	RECT_CLOSED	1	23.59	0	0
OR2642	RECT_CLOSED	1	23.59	0	0

OR2643	RECT_CLOSED	1	23.59	0	0
OR2644	RECT_CLOSED	1	139.4	0	0
OR2645	RECT_CLOSED	1	139.4	0	0
OR2647	RECT_CLOSED	1	139.4	0	0
OR2648	RECT_CLOSED	1	139.4	0	0
OR2649	RECT_CLOSED	1	11.175	0	0
OR265	CIRCULAR	0.2	0	0	0
OR2650	RECT_CLOSED	1	11.175	0	0
OR2651	RECT_CLOSED	1	11.175	0	0
OR2652	RECT_CLOSED	1	11.175	0	0
OR2653	RECT_CLOSED	1	17.7	0	0
OR2654	RECT_CLOSED	1	17.7	0	0
OR2656	RECT_CLOSED	1	17.7	0	0
OR2657	RECT_CLOSED	1	86.185	0	0
OR2658	RECT_CLOSED	1	86.185	0	0
OR2659	RECT_CLOSED	1	17.7	0	0
OR266	CIRCULAR	0.2	0	0	0
OR2661	RECT_CLOSED	1	86.185	0	0
OR2662	RECT_CLOSED	1	69.035	0	0
OR2663	RECT_CLOSED	1	69.035	0	0
OR2664	RECT_CLOSED	1	86.185	0	0
OR2665	RECT_CLOSED	1	69.035	0	0
OR2666	RECT_CLOSED	1	90.851	0	0
OR2667	RECT_CLOSED	1	91.31	0	0
OR2668	RECT_CLOSED	1	69.035	0	0
OR2669	RECT_CLOSED	1	20.535	0	0
OR267	CIRCULAR	0.2	0	0	0
OR2670	RECT_CLOSED	1	101.715	0	0
OR2671	RECT_CLOSED	1	101.715	0	0
OR2672	RECT_CLOSED	1	20.535	0	0
OR2675	RECT_CLOSED	1	67.62	0	0
OR2676	RECT_CLOSED	1	101.715	0	0
OR2677	RECT_CLOSED	1	67.62	0	0
OR2678	RECT_CLOSED	1	91.11	0	0
OR2679	RECT_CLOSED	1	91.11	0	0
OR268	CIRCULAR	0.2	0	0	0
OR2681	CIRCULAR	0.2	0	0	0
OR2684	RECT_CLOSED	1	70.6	0	0
OR2687	RECT_CLOSED	1	19.35	0	0
OR2688	RECT_CLOSED	1	70.6	0	0
OR269	CIRCULAR	0.2	0	0	0
OR2691	RECT_CLOSED	1	23.845	0	0
OR2692	RECT_CLOSED	1	19.35	0	0
OR2695	RECT_CLOSED	1	30.62	0	0
OR2696	RECT_CLOSED	1	23.845	0	0
OR2698	RECT_CLOSED	1	30.62	0	0
OR27	CIRCULAR	0.25	0	0	0
OR270	CIRCULAR	0.2	0	0	0
OR2700	RECT_CLOSED	1	28.8	0	0
OR2701	CIRCULAR	0.2	0	0	0
OR2702	RECT_CLOSED	1	121.395	0	0
OR2704	RECT_CLOSED	1	92.595	0	0
OR2705	RECT_CLOSED	1	38.295	0	0
OR2706	RECT_CLOSED	1	38.295	0	0
OR2707	RECT_CLOSED	1	92.595	0	0
OR2708	RECT_CLOSED	1	38.295	0	0
OR2709	RECT_CLOSED	1	38.295	0	0
OR271	CIRCULAR	0.2	0	0	0
OR2710	RECT_CLOSED	1	38.425	0	0
OR2711	RECT_CLOSED	1	38.425	0	0
OR2712	RECT_CLOSED	1	38.425	0	0
OR2713	RECT_CLOSED	1	39.325	0	0
OR2714	RECT_CLOSED	1	20.6	0	0
OR2715	RECT_CLOSED	1	20.6	0	0

OR2716	RECT_CLOSED	1	20.6	0	0
OR2717	RECT_CLOSED	1	64.6	0	0
OR2718	RECT_CLOSED	1	64.6	0	0
OR2719	RECT_CLOSED	1	20.6	0	0
OR272	CIRCULAR	0.2	0	0	0
OR2720	RECT_CLOSED	1	64.6	0	0
OR2721	RECT_CLOSED	1	64.6	0	0
OR2722	RECT_CLOSED	1	51	0	0
OR2723	RECT_CLOSED	1	51	0	0
OR2724	RECT_CLOSED	1	48.505	0	0
OR2725	RECT_CLOSED	1	48.505	0	0
OR2726	RECT_CLOSED	1	52.855	0	0
OR2727	RECT_CLOSED	1	52.855	0	0
OR2728	RECT_CLOSED	1	52.855	0	0
OR2729	RECT_CLOSED	1	52.855	0	0
OR273	CIRCULAR	0.2	0	0	0
OR2730	RECT_CLOSED	1	17.825	0	0
OR2731	RECT_CLOSED	1	17.825	0	0
OR2732	RECT_CLOSED	1	24.565	0	0
OR2733	RECT_CLOSED	1	24.565	0	0
OR2734	RECT_CLOSED	1	42.41	0	0
OR2735	RECT_CLOSED	1	42.41	0	0
OR2736	RECT_CLOSED	1	35.67	0	0
OR2737	RECT_CLOSED	1	35.67	0	0
OR2738	RECT_CLOSED	1	189.71	0	0
OR2739	RECT_CLOSED	1	189.71	0	0
OR274	CIRCULAR	0.15	0	0	0
OR2740	RECT_CLOSED	1	157.535	0	0
OR2741	RECT_CLOSED	1	157.535	0	0
OR2742	RECT_CLOSED	1	142.555	0	0
OR2743	RECT_CLOSED	1	142.54	0	0
OR2744	RECT_CLOSED	1	71.46	0	0
OR2745	RECT_CLOSED	1	71.46	0	0
OR2746	RECT_CLOSED	1	18.83	0	0
OR2747	RECT_CLOSED	1	18.83	0	0
OR2748	RECT_CLOSED	1	29.155	0	0
OR2749	RECT_CLOSED	1	29.155	0	0
OR275	CIRCULAR	0.15	0	0	0
OR2750	RECT_CLOSED	1	103.58	0	0
OR2751	RECT_CLOSED	1	103.58	0	0
OR2752	RECT_CLOSED	1	149.48	0	0
OR2753	RECT_CLOSED	1	149.48	0	0
OR2754	RECT_CLOSED	1	75.055	0	0
OR2755	RECT_CLOSED	1	55.545	0	0
OR276	CIRCULAR	0.2	0	0	0
OR2761	RECT_CLOSED	30	10	0	0
OR277	CIRCULAR	0.2	0	0	0
OR2771	RECT_CLOSED	30	10	0	0
OR278	CIRCULAR	0.2	0	0	0
OR2781	RECT_CLOSED	30	10	0	0
OR279	CIRCULAR	0.2	0	0	0
OR2791	RECT_CLOSED	30	10	0	0
OR28	CIRCULAR	0.25	0	0	0
OR280	CIRCULAR	0.2	0	0	0
OR2801	RECT_CLOSED	30	10	0	0
OR281	CIRCULAR	0.2	0	0	0
OR2811	RECT_CLOSED	30	10	0	0
OR282	CIRCULAR	0.2	0	0	0
OR2821	RECT_CLOSED	30	10	0	0
OR283	CIRCULAR	0.2	0	0	0
OR2831	RECT_CLOSED	30	10	0	0
OR284	CIRCULAR	0.2	0	0	0
OR2841	RECT_CLOSED	30	10	0	0
OR2849	CIRCULAR	0.2	0	0	0

OR285	CIRCULAR	0.2	0	0	0
OR2850	CIRCULAR	0.2	0	0	0
OR2851	CIRCULAR	0.2	0	0	0
OR2852	CIRCULAR	0.2	0	0	0
OR2853	CIRCULAR	0.2	0	0	0
OR2854	CIRCULAR	0.2	0	0	0
OR2855	CIRCULAR	0.2	0	0	0
OR2856	CIRCULAR	0.2	0	0	0
OR2857	CIRCULAR	0.2	0	0	0
OR2858	CIRCULAR	0.2	0	0	0
OR2859	CIRCULAR	0.2	0	0	0
OR286	CIRCULAR	0.15	0	0	0
OR2860	CIRCULAR	0.2	0	0	0
OR2861	CIRCULAR	0.2	0	0	0
OR2862	CIRCULAR	0.2	0	0	0
OR2863	CIRCULAR	0.2	0	0	0
OR2864	CIRCULAR	0.2	0	0	0
OR2865	CIRCULAR	0.2	0	0	0
OR2866	CIRCULAR	0.2	0	0	0
OR2867	CIRCULAR	0.2	0	0	0
OR2868	CIRCULAR	0.2	0	0	0
OR2869	CIRCULAR	0.2	0	0	0
OR287	CIRCULAR	0.15	0	0	0
OR2870	CIRCULAR	0.2	0	0	0
OR2871	CIRCULAR	0.2	0	0	0
OR2872	CIRCULAR	0.2	0	0	0
OR2873	CIRCULAR	0.2	0	0	0
OR2874	CIRCULAR	0.2	0	0	0
OR2875	CIRCULAR	0.2	0	0	0
OR2876	CIRCULAR	0.2	0	0	0
OR2878	CIRCULAR	0.2	0	0	0
OR2879	CIRCULAR	0.2	0	0	0
OR288	CIRCULAR	0.2	0	0	0
OR2881	RECT_CLOSED	30	10	0	0
OR289	CIRCULAR	0.15	0	0	0
OR2891	RECT_CLOSED	30	10	0	0
OR29	CIRCULAR	0.25	0	0	0
OR290	CIRCULAR	0.15	0	0	0
OR2901	CIRCULAR	1	0	0	0
OR2902	CIRCULAR	0.25	0	0	0
OR291	CIRCULAR	0.2	0	0	0
OR2911	RECT_CLOSED	1	20	0	0
OR292	CIRCULAR	0.15	0	0	0
OR2921	RECT_CLOSED	1	20	0	0
OR293	CIRCULAR	0.15	0	0	0
OR2931	RECT_CLOSED	1	20	0	0
OR294	CIRCULAR	0.2	0	0	0
OR2941	RECT_CLOSED	1	20	0	0
OR295	CIRCULAR	0.2	0	0	0
OR2951	RECT_CLOSED	1	20	0	0
OR296	CIRCULAR	0.15	0	0	0
OR2961	RECT_CLOSED	1	20	0	0
OR297	CIRCULAR	0.15	0	0	0
OR2971	RECT_CLOSED	1	20	0	0
OR298	CIRCULAR	0.2	0	0	0
OR2981	RECT_CLOSED	1	20	0	0
OR299	CIRCULAR	0.2	0	0	0
OR2991	RECT_CLOSED	1	20	0	0
OR3	CIRCULAR	0.25	0	0	0
OR30	CIRCULAR	0.25	0	0	0
OR300	CIRCULAR	0.2	0	0	0
OR3001	RECT_CLOSED	1	20	0	0
OR301	CIRCULAR	0.2	0	0	0
OR3011	RECT_CLOSED	1	20	0	0

OR302	CIRCULAR	0.2	0	0	0
OR3021	RECT_CLOSED	1	20	0	0
OR303	CIRCULAR	0.2	0	0	0
OR3031	RECT_CLOSED	1	20	0	0
OR304	CIRCULAR	0.15	0	0	0
OR3041	RECT_CLOSED	1	20	0	0
OR305	CIRCULAR	0.2	0	0	0
OR3051	RECT_CLOSED	1	20	0	0
OR306	CIRCULAR	0.2	0	0	0
OR3061	RECT_CLOSED	1	20	0	0
OR307	CIRCULAR	0.2	0	0	0
OR3071	RECT_CLOSED	1	20	0	0
OR308	CIRCULAR	0.2	0	0	0
OR3081	RECT_CLOSED	1	20	0	0
OR309	CIRCULAR	0.2	0	0	0
OR3091	RECT_CLOSED	1	20	0	0
OR31	CIRCULAR	0.25	0	0	0
OR310	CIRCULAR	0.2	0	0	0
OR3101	RECT_CLOSED	1	20	0	0
OR311	CIRCULAR	0.2	0	0	0
OR3111	RECT_CLOSED	1	20	0	0
OR312	CIRCULAR	0.2	0	0	0
OR3121	RECT_CLOSED	1	20	0	0
OR313	CIRCULAR	0.2	0	0	0
OR3131	RECT_CLOSED	1	20	0	0
OR314	CIRCULAR	0.2	0	0	0
OR3141	RECT_CLOSED	1	20	0	0
OR315	CIRCULAR	0.2	0	0	0
OR3151	RECT_CLOSED	1	20	0	0
OR316	CIRCULAR	0.25	0	0	0
OR3161	RECT_CLOSED	1	20	0	0
OR317	CIRCULAR	0.25	0	0	0
OR3171	RECT_CLOSED	1	20	0	0
OR318	CIRCULAR	0.25	0	0	0
OR3181	RECT_CLOSED	1	20	0	0
OR319	CIRCULAR	0.25	0	0	0
OR3191	RECT_CLOSED	1	20	0	0
OR32	CIRCULAR	0.25	0	0	0
OR320	CIRCULAR	0.15	0	0	0
OR3201	RECT_CLOSED	1	20	0	0
OR321	CIRCULAR	0.15	0	0	0
OR3211	RECT_CLOSED	1	20	0	0
OR322	CIRCULAR	0.15	0	0	0
OR3221	RECT_CLOSED	1	20	0	0
OR323	CIRCULAR	0.25	0	0	0
OR3231	RECT_CLOSED	1	20	0	0
OR324	CIRCULAR	0.2	0	0	0
OR3241	RECT_CLOSED	1	20	0	0
OR325	CIRCULAR	0.2	0	0	0
OR3251	RECT_CLOSED	1	20	0	0
OR326	CIRCULAR	0.2	0	0	0
OR3261	RECT_CLOSED	1	20	0	0
OR327	CIRCULAR	0.2	0	0	0
OR3271	RECT_CLOSED	1	20	0	0
OR328	CIRCULAR	0.2	0	0	0
OR3281	RECT_CLOSED	1	20	0	0
OR329	CIRCULAR	0.2	0	0	0
OR3291	RECT_CLOSED	1	20	0	0
OR33	CIRCULAR	0.25	0	0	0
OR330	CIRCULAR	0.2	0	0	0
OR3301	RECT_CLOSED	1	20	0	0
OR331	CIRCULAR	0.2	0	0	0
OR3311	RECT_CLOSED	1	20	0	0
OR332	CIRCULAR	0.2	0	0	0

OR3321	RECT_CLOSED	1	20	0	0
OR333	CIRCULAR	0.25	0	0	0
OR3331	RECT_CLOSED	1	20	0	0
OR334	CIRCULAR	0.25	0	0	0
OR3341	RECT_CLOSED	1	20	0	0
OR335	CIRCULAR	0.25	0	0	0
OR3351	RECT_CLOSED	1	20	0	0
OR336	CIRCULAR	0.25	0	0	0
OR3361	RECT_CLOSED	1	20	0	0
OR337	CIRCULAR	0.25	0	0	0
OR3371	RECT_CLOSED	1	20	0	0
OR338	CIRCULAR	0.25	0	0	0
OR3381	RECT_CLOSED	1	20	0	0
OR339	CIRCULAR	0.25	0	0	0
OR3391	RECT_CLOSED	1	20	0	0
OR34	CIRCULAR	0.25	0	0	0
OR340	CIRCULAR	0.25	0	0	0
OR3401	RECT_CLOSED	1	20	0	0
OR341	CIRCULAR	0.2	0	0	0
OR3411	RECT_CLOSED	30	10	0	0
OR342	CIRCULAR	0.2	0	0	0
OR3421	RECT_CLOSED	30	10	0	0
OR343	CIRCULAR	0.15	0	0	0
OR3431	RECT_CLOSED	30	10	0	0
OR344	CIRCULAR	0.15	0	0	0
OR3441	RECT_CLOSED	30	10	0	0
OR3449	CIRCULAR	0.25	0	0	0
OR345	CIRCULAR	0.2	0	0	0
OR3451	RECT_CLOSED	30	10	0	0
OR346	CIRCULAR	0.2	0	0	0
OR3461	RECT_CLOSED	30	10	0	0
OR347	CIRCULAR	0.1	0	0	0
OR3471	RECT_CLOSED	30	10	0	0
OR348	CIRCULAR	0.1	0	0	0
OR3481	RECT_CLOSED	30	10	0	0
OR349	CIRCULAR	0.2	0	0	0
OR3491	RECT_CLOSED	30	10	0	0
OR35	CIRCULAR	0.25	0	0	0
OR350	CIRCULAR	0.2	0	0	0
OR3501	RECT_CLOSED	30	10	0	0
OR351	CIRCULAR	0.2	0	0	0
OR3511	RECT_CLOSED	30	10	0	0
OR352	CIRCULAR	0.2	0	0	0
OR3521	RECT_CLOSED	30	10	0	0
OR353	CIRCULAR	0.2	0	0	0
OR3531	RECT_CLOSED	30	10	0	0
OR354	CIRCULAR	0.2	0	0	0
OR3541	RECT_CLOSED	30	10	0	0
OR355	CIRCULAR	0.2	0	0	0
OR3551	RECT_CLOSED	30	10	0	0
OR356	CIRCULAR	0.2	0	0	0
OR3561	RECT_CLOSED	30	10	0	0
OR357	CIRCULAR	0.2	0	0	0
OR3571	RECT_CLOSED	30	10	0	0
OR358	CIRCULAR	0.2	0	0	0
OR3581	RECT_CLOSED	30	10	0	0
OR359	CIRCULAR	0.2	0	0	0
OR3591	RECT_CLOSED	30	10	0	0
OR36	CIRCULAR	0.25	0	0	0
OR360	CIRCULAR	0.2	0	0	0
OR3601	RECT_CLOSED	30	10	0	0
OR361	CIRCULAR	0.2	0	0	0
OR3611	RECT_CLOSED	30	10	0	0
OR362	CIRCULAR	0.2	0	0	0

OR3621	RECT_CLOSED	30	10	0	0
OR363	CIRCULAR	0.2	0	0	0
OR3631	RECT_CLOSED	30	10	0	0
OR364	CIRCULAR	0.2	0	0	0
OR3641	RECT_CLOSED	30	10	0	0
OR365	CIRCULAR	0.2	0	0	0
OR3651	RECT_CLOSED	30	10	0	0
OR366	CIRCULAR	0.2	0	0	0
OR3661	RECT_CLOSED	30	10	0	0
OR367	CIRCULAR	0.2	0	0	0
OR3671	RECT_CLOSED	30	10	0	0
OR368	CIRCULAR	0.2	0	0	0
OR3681	RECT_CLOSED	30	10	0	0
OR369	CIRCULAR	0.2	0	0	0
OR3691	RECT_CLOSED	30	10	0	0
OR37	CIRCULAR	0.25	0	0	0
OR370	CIRCULAR	0.2	0	0	0
OR3701	RECT_CLOSED	30	10	0	0
OR371	CIRCULAR	0.2	0	0	0
OR3711	RECT_CLOSED	30	10	0	0
OR372	CIRCULAR	0.2	0	0	0
OR3721	RECT_CLOSED	30	10	0	0
OR373	CIRCULAR	0.2	0	0	0
OR3731	RECT_CLOSED	30	10	0	0
OR374	CIRCULAR	0.2	0	0	0
OR3741	RECT_CLOSED	30	10	0	0
OR375	CIRCULAR	0.2	0	0	0
OR3751	RECT_CLOSED	30	10	0	0
OR376	CIRCULAR	0.2	0	0	0
OR3761	RECT_CLOSED	30	10	0	0
OR377	CIRCULAR	0.2	0	0	0
OR3771	RECT_CLOSED	30	10	0	0
OR378	CIRCULAR	0.2	0	0	0
OR3781	RECT_CLOSED	30	10	0	0
OR379	CIRCULAR	0.2	0	0	0
OR3791	RECT_CLOSED	30	10	0	0
OR38	CIRCULAR	0.25	0	0	0
OR380	CIRCULAR	0.2	0	0	0
OR3801	RECT_CLOSED	30	10	0	0
OR381	CIRCULAR	0.2	0	0	0
OR3811	RECT_CLOSED	30	10	0	0
OR382	CIRCULAR	0.2	0	0	0
OR3821	RECT_CLOSED	30	10	0	0
OR383	CIRCULAR	0.2	0	0	0
OR3831	RECT_CLOSED	30	10	0	0
OR384	CIRCULAR	0.2	0	0	0
OR3841	RECT_CLOSED	30	10	0	0
OR385	CIRCULAR	0.25	0	0	0
OR3851	RECT_CLOSED	30	10	0	0
OR386	CIRCULAR	0.2	0	0	0
OR3861	RECT_CLOSED	30	10	0	0
OR387	CIRCULAR	0.2	0	0	0
OR3871	RECT_CLOSED	30	10	0	0
OR388	CIRCULAR	0.2	0	0	0
OR3881	RECT_CLOSED	30	10	0	0
OR389	CIRCULAR	0.2	0	0	0
OR3891	RECT_CLOSED	30	10	0	0
OR39	CIRCULAR	0.25	0	0	0
OR390	CIRCULAR	0.2	0	0	0
OR3901	RECT_CLOSED	30	10	0	0
OR391	CIRCULAR	0.2	0	0	0
OR3911	RECT_CLOSED	30	10	0	0
OR392	CIRCULAR	0.2	0	0	0
OR3921	RECT_CLOSED	30	10	0	0

OR393	CIRCULAR	0.2	0	0	0
OR3931	RECT_CLOSED	30	10	0	0
OR394	CIRCULAR	0.2	0	0	0
OR3941	RECT_CLOSED	30	10	0	0
OR395	CIRCULAR	0.2	0	0	0
OR3951	RECT_CLOSED	30	10	0	0
OR396	CIRCULAR	0.2	0	0	0
OR3961	RECT_CLOSED	30	10	0	0
OR397	CIRCULAR	0.2	0	0	0
OR3971	RECT_CLOSED	30	10	0	0
OR398	CIRCULAR	0.2	0	0	0
OR3981	RECT_CLOSED	30	10	0	0
OR399	CIRCULAR	0.2	0	0	0
OR3991	RECT_CLOSED	30	10	0	0
OR4	CIRCULAR	0.25	0	0	0
OR40	CIRCULAR	0.25	0	0	0
OR400	RECT_CLOSED	30	10	0	0
OR4001	RECT_CLOSED	30	10	0	0
OR401	CIRCULAR	0.2	0	0	0
OR4011	RECT_CLOSED	30	10	0	0
OR402	CIRCULAR	0.2	0	0	0
OR4021	RECT_CLOSED	30	10	0	0
OR403	CIRCULAR	0.25	0	0	0
OR4031	RECT_CLOSED	30	10	0	0
OR404	CIRCULAR	0.2	0	0	0
OR4041	RECT_CLOSED	30	10	0	0
OR405	CIRCULAR	0.2	0	0	0
OR4051	RECT_CLOSED	30	10	0	0
OR406	CIRCULAR	0.2	0	0	0
OR4061	RECT_CLOSED	30	10	0	0
OR407	CIRCULAR	0.2	0	0	0
OR4071	RECT_CLOSED	30	10	0	0
OR408	CIRCULAR	0.2	0	0	0
OR4081	RECT_CLOSED	30	10	0	0
OR409	CIRCULAR	0.2	0	0	0
OR4091	RECT_CLOSED	30	10	0	0
OR41	CIRCULAR	0.25	0	0	0
OR410	CIRCULAR	0.2	0	0	0
OR4101	RECT_CLOSED	30	10	0	0
OR411	CIRCULAR	0.2	0	0	0
OR4111	RECT_CLOSED	30	10	0	0
OR412	CIRCULAR	0.2	0	0	0
OR4121	RECT_CLOSED	30	10	0	0
OR413	CIRCULAR	0.2	0	0	0
OR4131	RECT_CLOSED	30	10	0	0
OR414	CIRCULAR	0.2	0	0	0
OR4141	RECT_CLOSED	30	10	0	0
OR415	CIRCULAR	0.2	0	0	0
OR4151	RECT_CLOSED	30	10	0	0
OR416	CIRCULAR	0.2	0	0	0
OR4161	RECT_CLOSED	30	10	0	0
OR417	CIRCULAR	0.2	0	0	0
OR4171	RECT_CLOSED	30	10	0	0
OR418	CIRCULAR	0.2	0	0	0
OR4181	RECT_CLOSED	30	10	0	0
OR419	CIRCULAR	0.2	0	0	0
OR4191	RECT_CLOSED	30	10	0	0
OR42	CIRCULAR	0.25	0	0	0
OR420	CIRCULAR	0.2	0	0	0
OR4201	RECT_CLOSED	30	10	0	0
OR421	CIRCULAR	0.2	0	0	0
OR4211	RECT_CLOSED	30	10	0	0
OR422	CIRCULAR	0.25	0	0	0
OR4221	RECT_CLOSED	30	10	0	0

OR423	CIRCULAR	0.2	0	0	0
OR4231	RECT_CLOSED	30	10	0	0
OR424	CIRCULAR	0.2	0	0	0
OR4241	RECT_CLOSED	30	10	0	0
OR425	CIRCULAR	0.2	0	0	0
OR4251	RECT_CLOSED	30	10	0	0
OR426	CIRCULAR	0.2	0	0	0
OR4261	RECT_CLOSED	30	10	0	0
OR427	CIRCULAR	0.2	0	0	0
OR4271	RECT_CLOSED	30	10	0	0
OR428	CIRCULAR	0.2	0	0	0
OR4281	RECT_CLOSED	30	10	0	0
OR429	CIRCULAR	0.2	0	0	0
OR4291	RECT_CLOSED	30	10	0	0
OR43	CIRCULAR	0.2	0	0	0
OR430	CIRCULAR	0.2	0	0	0
OR4301	RECT_CLOSED	30	10	0	0
OR431	CIRCULAR	0.15	0	0	0
OR4311	RECT_CLOSED	30	10	0	0
OR432	CIRCULAR	0.15	0	0	0
OR4321	RECT_CLOSED	30	10	0	0
OR433	CIRCULAR	0.15	0	0	0
OR4331	RECT_CLOSED	30	10	0	0
OR434	CIRCULAR	0.25	0	0	0
OR4341	RECT_CLOSED	30	10	0	0
OR435	CIRCULAR	0.25	0	0	0
OR4351	RECT_CLOSED	30	10	0	0
OR436	CIRCULAR	0.2	0	0	0
OR4361	RECT_CLOSED	30	10	0	0
OR437	CIRCULAR	0.2	0	0	0
OR4371	RECT_CLOSED	30	10	0	0
OR438	CIRCULAR	0.2	0	0	0
OR4381	RECT_CLOSED	30	10	0	0
OR439	CIRCULAR	0.2	0	0	0
OR4391	RECT_CLOSED	30	10	0	0
OR44	CIRCULAR	0.2	0	0	0
OR440	CIRCULAR	0.25	0	0	0
OR4401	RECT_CLOSED	30	10	0	0
OR441	CIRCULAR	0.2	0	0	0
OR4411	RECT_CLOSED	30	10	0	0
OR442	CIRCULAR	0.2	0	0	0
OR4421	RECT_CLOSED	30	10	0	0
OR443	CIRCULAR	0.2	0	0	0
OR4431	RECT_CLOSED	30	10	0	0
OR444	CIRCULAR	0.2	0	0	0
OR4441	RECT_CLOSED	30	10	0	0
OR445	CIRCULAR	0.2	0	0	0
OR4451	RECT_CLOSED	30	10	0	0
OR446	CIRCULAR	0.25	0	0	0
OR4461	RECT_CLOSED	30	10	0	0
OR447	CIRCULAR	0.2	0	0	0
OR4471	RECT_CLOSED	30	10	0	0
OR448	CIRCULAR	0.15	0	0	0
OR4481	RECT_CLOSED	30	10	0	0
OR449	CIRCULAR	0.15	0	0	0
OR4491	RECT_CLOSED	30	10	0	0
OR45	CIRCULAR	0.25	0	0	0
OR450	CIRCULAR	0.15	0	0	0
OR4501	RECT_CLOSED	30	10	0	0
OR451	CIRCULAR	0.15	0	0	0
OR4511	RECT_CLOSED	30	10	0	0
OR452	CIRCULAR	0.2	0	0	0
OR4521	RECT_CLOSED	30	10	0	0
OR453	CIRCULAR	0.2	0	0	0

OR4531	RECT_CLOSED	30	10	0	0
OR454	CIRCULAR	0.2	0	0	0
OR4541	RECT_CLOSED	30	10	0	0
OR455	CIRCULAR	0.2	0	0	0
OR4551	RECT_CLOSED	30	10	0	0
OR456	CIRCULAR	0.2	0	0	0
OR4561	RECT_CLOSED	30	10	0	0
OR457	CIRCULAR	0.2	0	0	0
OR4571	RECT_CLOSED	30	10	0	0
OR458	CIRCULAR	0.2	0	0	0
OR4581	RECT_CLOSED	30	10	0	0
OR459	CIRCULAR	0.2	0	0	0
OR4591	RECT_CLOSED	30	10	0	0
OR46	CIRCULAR	0.25	0	0	0
OR460	CIRCULAR	0.2	0	0	0
OR4601	RECT_CLOSED	30	10	0	0
OR461	CIRCULAR	0.2	0	0	0
OR4611	RECT_CLOSED	30	10	0	0
OR462	CIRCULAR	0.2	0	0	0
OR4621	RECT_CLOSED	30	10	0	0
OR463	CIRCULAR	0.2	0	0	0
OR4631	RECT_CLOSED	30	10	0	0
OR464	CIRCULAR	0.25	0	0	0
OR4641	RECT_CLOSED	30	10	0	0
OR465	CIRCULAR	0.25	0	0	0
OR4651	RECT_CLOSED	30	10	0	0
OR466	CIRCULAR	0.2	0	0	0
OR4661	RECT_CLOSED	30	10	0	0
OR467	CIRCULAR	0.2	0	0	0
OR4671	RECT_CLOSED	30	10	0	0
OR468	CIRCULAR	0.2	0	0	0
OR4681	RECT_CLOSED	30	10	0	0
OR469	CIRCULAR	0.2	0	0	0
OR4691	RECT_CLOSED	30	10	0	0
OR47	CIRCULAR	0.25	0	0	0
OR470	CIRCULAR	0.2	0	0	0
OR4701	RECT_CLOSED	30	10	0	0
OR471	CIRCULAR	0.2	0	0	0
OR4711	RECT_CLOSED	30	10	0	0
OR472	CIRCULAR	0.2	0	0	0
OR4721	RECT_CLOSED	30	10	0	0
OR473	CIRCULAR	0.2	0	0	0
OR4731	RECT_CLOSED	30	10	0	0
OR474	CIRCULAR	0.2	0	0	0
OR4741	RECT_CLOSED	30	10	0	0
OR475	CIRCULAR	0.2	0	0	0
OR4751	RECT_CLOSED	30	10	0	0
OR476	CIRCULAR	0.2	0	0	0
OR4761	RECT_CLOSED	30	10	0	0
OR477	CIRCULAR	0.2	0	0	0
OR4771	RECT_CLOSED	30	10	0	0
OR478	CIRCULAR	0.2	0	0	0
OR4781	RECT_CLOSED	30	10	0	0
OR479	CIRCULAR	0.2	0	0	0
OR4791	RECT_CLOSED	30	10	0	0
OR48	CIRCULAR	0.25	0	0	0
OR480	CIRCULAR	0.2	0	0	0
OR4801	RECT_CLOSED	30	10	0	0
OR481	CIRCULAR	0.2	0	0	0
OR4811	RECT_CLOSED	30	10	0	0
OR482	CIRCULAR	0.2	0	0	0
OR4821	RECT_CLOSED	30	10	0	0
OR483	CIRCULAR	0.2	0	0	0
OR4831	RECT_CLOSED	30	10	0	0

OR484	CIRCULAR	0.2	0	0	0
OR4841	RECT_CLOSED	30	10	0	0
OR485	CIRCULAR	0.2	0	0	0
OR4851	RECT_CLOSED	30	10	0	0
OR486	CIRCULAR	0.2	0	0	0
OR4861	RECT_CLOSED	30	10	0	0
OR487	CIRCULAR	0.2	0	0	0
OR4871	RECT_CLOSED	30	10	0	0
OR488	CIRCULAR	0.2	0	0	0
OR4881	RECT_CLOSED	30	10	0	0
OR489	CIRCULAR	0.2	0	0	0
OR4891	RECT_CLOSED	30	10	0	0
OR49	CIRCULAR	0.25	0	0	0
OR490	CIRCULAR	0.2	0	0	0
OR4901	RECT_CLOSED	30	10	0	0
OR491	CIRCULAR	0.2	0	0	0
OR4911	RECT_CLOSED	30	10	0	0
OR492	CIRCULAR	0.2	0	0	0
OR4921	RECT_CLOSED	30	10	0	0
OR493	CIRCULAR	0.25	0	0	0
OR4931	RECT_CLOSED	30	10	0	0
OR494	CIRCULAR	0.2	0	0	0
OR4941	RECT_CLOSED	30	10	0	0
OR495	CIRCULAR	0.2	0	0	0
OR4951	RECT_CLOSED	30	10	0	0
OR496	CIRCULAR	0.2	0	0	0
OR4961	RECT_CLOSED	30	10	0	0
OR497	CIRCULAR	0.2	0	0	0
OR4971	RECT_CLOSED	30	10	0	0
OR498	CIRCULAR	0.2	0	0	0
OR4981	RECT_CLOSED	30	10	0	0
OR499	CIRCULAR	0.2	0	0	0
OR4991	RECT_CLOSED	30	10	0	0
OR5	CIRCULAR	0.15	0	0	0
OR50	CIRCULAR	0.25	0	0	0
OR500	CIRCULAR	0.2	0	0	0
OR5001	RECT_CLOSED	30	10	0	0
OR501	CIRCULAR	0.2	0	0	0
OR5011	RECT_CLOSED	30	10	0	0
OR502	CIRCULAR	0.2	0	0	0
OR5021	RECT_CLOSED	30	10	0	0
OR503	CIRCULAR	0.2	0	0	0
OR5031	RECT_CLOSED	30	10	0	0
OR504	CIRCULAR	0.2	0	0	0
OR5041	RECT_CLOSED	30	10	0	0
OR505	CIRCULAR	0.2	0	0	0
OR5051	RECT_CLOSED	30	10	0	0
OR506	CIRCULAR	0.2	0	0	0
OR5061	RECT_CLOSED	30	10	0	0
OR507	CIRCULAR	0.2	0	0	0
OR5071	RECT_CLOSED	30	10	0	0
OR508	CIRCULAR	0.2	0	0	0
OR5081	RECT_CLOSED	30	10	0	0
OR509	CIRCULAR	0.2	0	0	0
OR5091	RECT_CLOSED	30	10	0	0
OR51	CIRCULAR	0.25	0	0	0
OR510	CIRCULAR	0.2	0	0	0
OR5101	RECT_CLOSED	30	10	0	0
OR511	CIRCULAR	0.2	0	0	0
OR5111	RECT_CLOSED	30	10	0	0
OR512	CIRCULAR	0.2	0	0	0
OR5121	RECT_CLOSED	30	10	0	0
OR513	CIRCULAR	0.2	0	0	0
OR5131	RECT_CLOSED	30	10	0	0

OR514	CIRCULAR	0.2	0	0	0
OR5141	RECT_CLOSED	30	10	0	0
OR515	CIRCULAR	0.2	0	0	0
OR5151	RECT_CLOSED	30	10	0	0
OR516	CIRCULAR	0.2	0	0	0
OR5161	RECT_CLOSED	30	10	0	0
OR517	CIRCULAR	0.2	0	0	0
OR5171	RECT_CLOSED	30	10	0	0
OR518	CIRCULAR	0.2	0	0	0
OR5181	RECT_CLOSED	30	10	0	0
OR519	CIRCULAR	0.2	0	0	0
OR5191	RECT_CLOSED	30	10	0	0
OR52	CIRCULAR	0.25	0	0	0
OR520	CIRCULAR	0.2	0	0	0
OR5201	RECT_CLOSED	30	10	0	0
OR521	CIRCULAR	0.2	0	0	0
OR5211	RECT_CLOSED	30	10	0	0
OR522	CIRCULAR	0.2	0	0	0
OR5221	RECT_CLOSED	30	10	0	0
OR523	CIRCULAR	0.2	0	0	0
OR5231	RECT_CLOSED	30	10	0	0
OR524	CIRCULAR	0.2	0	0	0
OR5241	RECT_CLOSED	30	10	0	0
OR525	CIRCULAR	0.2	0	0	0
OR5251	RECT_CLOSED	30	10	0	0
OR526	CIRCULAR	0.2	0	0	0
OR5261	RECT_CLOSED	30	10	0	0
OR527	CIRCULAR	0.2	0	0	0
OR5271	RECT_CLOSED	30	10	0	0
OR528	CIRCULAR	0.2	0	0	0
OR5281	RECT_CLOSED	30	10	0	0
OR529	CIRCULAR	0.2	0	0	0
OR5291	RECT_CLOSED	30	10	0	0
OR53	CIRCULAR	0.2	0	0	0
OR530	CIRCULAR	0.2	0	0	0
OR5301	RECT_CLOSED	30	10	0	0
OR531	CIRCULAR	0.2	0	0	0
OR5311	RECT_CLOSED	30	10	0	0
OR532	CIRCULAR	0.25	0	0	0
OR5321	RECT_CLOSED	30	10	0	0
OR533	CIRCULAR	0.2	0	0	0
OR5331	RECT_CLOSED	30	10	0	0
OR534	CIRCULAR	0.2	0	0	0
OR5341	RECT_CLOSED	30	10	0	0
OR535	CIRCULAR	0.2	0	0	0
OR5351	RECT_CLOSED	30	10	0	0
OR536	CIRCULAR	0.2	0	0	0
OR5361	RECT_CLOSED	30	10	0	0
OR537	CIRCULAR	0.2	0	0	0
OR5371	RECT_CLOSED	30	10	0	0
OR538	CIRCULAR	0.1	0	0	0
OR5381	RECT_CLOSED	30	10	0	0
OR539	CIRCULAR	0.2	0	0	0
OR5391	RECT_CLOSED	30	10	0	0
OR54	CIRCULAR	0.25	0	0	0
OR540	CIRCULAR	0.25	0	0	0
OR5401	RECT_CLOSED	30	10	0	0
OR541	CIRCULAR	0.25	0	0	0
OR5411	RECT_CLOSED	30	10	0	0
OR542	CIRCULAR	0.25	0	0	0
OR5421	RECT_CLOSED	30	10	0	0
OR543	CIRCULAR	0.25	0	0	0
OR5431	RECT_CLOSED	30	10	0	0
OR544	CIRCULAR	0.2	0	0	0

OR5441	RECT_CLOSED	30	10	0	0
OR545	CIRCULAR	0.2	0	0	0
OR5451	RECT_CLOSED	30	10	0	0
OR546	CIRCULAR	0.2	0	0	0
OR5461	RECT_CLOSED	30	10	0	0
OR547	CIRCULAR	0.2	0	0	0
OR5471	RECT_CLOSED	30	10	0	0
OR548	CIRCULAR	0.2	0	0	0
OR5481	RECT_CLOSED	30	10	0	0
OR549	CIRCULAR	0.2	0	0	0
OR5491	RECT_CLOSED	30	10	0	0
OR55	CIRCULAR	0.25	0	0	0
OR550	CIRCULAR	0.15	0	0	0
OR5501	RECT_CLOSED	30	10	0	0
OR551	CIRCULAR	0.15	0	0	0
OR5511	RECT_CLOSED	30	10	0	0
OR552	CIRCULAR	0.2	0	0	0
OR5521	RECT_CLOSED	30	10	0	0
OR553	CIRCULAR	0.2	0	0	0
OR5531	RECT_CLOSED	30	10	0	0
OR554	CIRCULAR	0.2	0	0	0
OR5541	RECT_CLOSED	30	10	0	0
OR555	CIRCULAR	0.2	0	0	0
OR5551	RECT_CLOSED	30	10	0	0
OR556	CIRCULAR	0.2	0	0	0
OR5561	RECT_CLOSED	30	10	0	0
OR557	CIRCULAR	0.2	0	0	0
OR5571	RECT_CLOSED	30	10	0	0
OR558	CIRCULAR	0.2	0	0	0
OR5581	RECT_CLOSED	30	10	0	0
OR559	CIRCULAR	0.2	0	0	0
OR5591	RECT_CLOSED	30	10	0	0
OR56	CIRCULAR	0.2	0	0	0
OR560	CIRCULAR	0.2	0	0	0
OR5601	RECT_CLOSED	30	10	0	0
OR561	CIRCULAR	0.2	0	0	0
OR5611	RECT_CLOSED	30	10	0	0
OR562	CIRCULAR	0.2	0	0	0
OR5621	RECT_CLOSED	30	10	0	0
OR563	CIRCULAR	0.2	0	0	0
OR5631	RECT_CLOSED	30	10	0	0
OR564	CIRCULAR	0.2	0	0	0
OR5641	RECT_CLOSED	30	10	0	0
OR565	CIRCULAR	0.2	0	0	0
OR5651	RECT_CLOSED	30	10	0	0
OR566	CIRCULAR	0.2	0	0	0
OR5661	RECT_CLOSED	30	10	0	0
OR567	CIRCULAR	0.2	0	0	0
OR5671	RECT_CLOSED	30	10	0	0
OR568	CIRCULAR	0.2	0	0	0
OR5681	RECT_CLOSED	30	10	0	0
OR569	CIRCULAR	0.2	0	0	0
OR5691	RECT_CLOSED	30	10	0	0
OR57	CIRCULAR	0.25	0	0	0
OR570	CIRCULAR	0.25	0	0	0
OR5701	RECT_CLOSED	30	10	0	0
OR571	CIRCULAR	0.2	0	0	0
OR5711	RECT_CLOSED	30	10	0	0
OR572	CIRCULAR	0.2	0	0	0
OR5721	RECT_CLOSED	30	10	0	0
OR573	CIRCULAR	0.2	0	0	0
OR5731	RECT_CLOSED	30	10	0	0
OR574	CIRCULAR	0.2	0	0	0
OR5741	RECT_CLOSED	30	10	0	0

OR575	CIRCULAR	0.2	0	0	0
OR5751	RECT_CLOSED	30	10	0	0
OR576	CIRCULAR	0.2	0	0	0
OR5761	RECT_CLOSED	30	10	0	0
OR577	CIRCULAR	0.2	0	0	0
OR5771	RECT_CLOSED	30	10	0	0
OR578	CIRCULAR	0.2	0	0	0
OR5781	RECT_CLOSED	30	10	0	0
OR579	CIRCULAR	0.2	0	0	0
OR5791	RECT_CLOSED	30	10	0	0
OR58	CIRCULAR	0.2	0	0	0
OR580	CIRCULAR	0.2	0	0	0
OR5801	RECT_CLOSED	30	10	0	0
OR581	CIRCULAR	0.2	0	0	0
OR5811	RECT_CLOSED	30	10	0	0
OR582	CIRCULAR	0.2	0	0	0
OR5821	RECT_CLOSED	30	10	0	0
OR583	CIRCULAR	0.2	0	0	0
OR5831	RECT_CLOSED	30	10	0	0
OR584	CIRCULAR	0.2	0	0	0
OR5841	RECT_CLOSED	30	10	0	0
OR585	CIRCULAR	0.2	0	0	0
OR5851	RECT_CLOSED	30	10	0	0
OR586	CIRCULAR	0.2	0	0	0
OR5861	RECT_CLOSED	30	10	0	0
OR587	CIRCULAR	0.2	0	0	0
OR5871	RECT_CLOSED	30	10	0	0
OR588	CIRCULAR	0.2	0	0	0
OR5881	RECT_CLOSED	30	10	0	0
OR589	CIRCULAR	0.2	0	0	0
OR5891	RECT_CLOSED	30	10	0	0
OR59	CIRCULAR	0.25	0	0	0
OR590	CIRCULAR	0.2	0	0	0
OR5901	RECT_CLOSED	30	10	0	0
OR591	CIRCULAR	0.2	0	0	0
OR5911	RECT_CLOSED	30	10	0	0
OR592	CIRCULAR	0.2	0	0	0
OR5921	RECT_CLOSED	30	10	0	0
OR593	CIRCULAR	0.2	0	0	0
OR5931	RECT_CLOSED	30	10	0	0
OR594	CIRCULAR	0.2	0	0	0
OR5941	RECT_CLOSED	30	10	0	0
OR595	CIRCULAR	0.2	0	0	0
OR5951	RECT_CLOSED	30	10	0	0
OR596	CIRCULAR	0.2	0	0	0
OR5961	RECT_CLOSED	30	10	0	0
OR597	CIRCULAR	0.2	0	0	0
OR5971	RECT_CLOSED	30	10	0	0
OR598	CIRCULAR	0.2	0	0	0
OR5981	RECT_CLOSED	30	10	0	0
OR599	CIRCULAR	0.2	0	0	0
OR5991	RECT_CLOSED	30	10	0	0
OR6	CIRCULAR	0.25	0	0	0
OR60	CIRCULAR	0.25	0	0	0
OR600	CIRCULAR	0.2	0	0	0
OR6001	RECT_CLOSED	30	10	0	0
OR601	CIRCULAR	0.2	0	0	0
OR6011	RECT_CLOSED	30	10	0	0
OR602	CIRCULAR	0.2	0	0	0
OR6021	RECT_CLOSED	30	10	0	0
OR603	CIRCULAR	0.2	0	0	0
OR6031	RECT_CLOSED	30	10	0	0
OR604	CIRCULAR	0.2	0	0	0
OR6041	RECT_CLOSED	30	10	0	0

OR605	CIRCULAR	0.2	0	0	0
OR6051	RECT_CLOSED	30	10	0	0
OR606	CIRCULAR	0.2	0	0	0
OR6061	RECT_CLOSED	30	10	0	0
OR607	CIRCULAR	0.2	0	0	0
OR6071	RECT_CLOSED	30	10	0	0
OR608	CIRCULAR	0.2	0	0	0
OR6081	RECT_CLOSED	30	10	0	0
OR609	CIRCULAR	0.2	0	0	0
OR6091	RECT_CLOSED	30	10	0	0
OR61	CIRCULAR	0.2	0	0	0
OR610	CIRCULAR	0.2	0	0	0
OR6101	RECT_CLOSED	30	10	0	0
OR611	CIRCULAR	0.2	0	0	0
OR6111	RECT_CLOSED	30	10	0	0
OR612	CIRCULAR	0.2	0	0	0
OR6121	RECT_CLOSED	30	10	0	0
OR613	CIRCULAR	0.2	0	0	0
OR6131	RECT_CLOSED	30	10	0	0
OR614	CIRCULAR	0.2	0	0	0
OR6141	RECT_CLOSED	30	10	0	0
OR615	CIRCULAR	0.2	0	0	0
OR6151	RECT_CLOSED	30	10	0	0
OR616	CIRCULAR	0.2	0	0	0
OR6161	RECT_CLOSED	30	10	0	0
OR617	CIRCULAR	0.2	0	0	0
OR6171	RECT_CLOSED	30	10	0	0
OR618	CIRCULAR	0.2	0	0	0
OR6181	RECT_CLOSED	30	10	0	0
OR619	CIRCULAR	0.2	0	0	0
OR6191	RECT_CLOSED	30	10	0	0
OR62	CIRCULAR	0.2	0	0	0
OR620	CIRCULAR	0.2	0	0	0
OR6201	RECT_CLOSED	30	10	0	0
OR621	RECT_CLOSED	30	10	0	0
OR6211	RECT_CLOSED	30	10	0	0
OR622	RECT_CLOSED	1	45	0	0
OR6221	RECT_CLOSED	30	10	0	0
OR623	RECT_CLOSED	1	10	0	0
OR6231	RECT_CLOSED	30	10	0	0
OR624	CIRCULAR	0.2	0	0	0
OR6241	RECT_CLOSED	30	10	0	0
OR625	CIRCULAR	0.2	0	0	0
OR6251	RECT_CLOSED	30	10	0	0
OR626	CIRCULAR	0.2	0	0	0
OR6261	RECT_CLOSED	30	10	0	0
OR627	CIRCULAR	0.2	0	0	0
OR6271	RECT_CLOSED	30	10	0	0
OR628	CIRCULAR	0.25	0	0	0
OR6281	RECT_CLOSED	30	10	0	0
OR629	CIRCULAR	0.25	0	0	0
OR6291	RECT_CLOSED	30	10	0	0
OR63	CIRCULAR	0.2	0	0	0
OR630	CIRCULAR	0.2	0	0	0
OR6301	RECT_CLOSED	30	10	0	0
OR631	CIRCULAR	0.2	0	0	0
OR6311	RECT_CLOSED	30	10	0	0
OR632	CIRCULAR	0.2	0	0	0
OR6321	RECT_CLOSED	30	10	0	0
OR633	RECT_CLOSED	1	10	0	0
OR6331	RECT_CLOSED	30	10	0	0
OR634	CIRCULAR	0.25	0	0	0
OR6341	RECT_CLOSED	30	10	0	0
OR635	CIRCULAR	0.2	0	0	0

OR6351	RECT_CLOSED	30	10	0	0
OR636	CIRCULAR	0.2	0	0	0
OR6361	RECT_CLOSED	30	10	0	0
OR637	RECT_CLOSED	1	10	0	0
OR6371	RECT_CLOSED	30	10	0	0
OR638	CIRCULAR	0.2	0	0	0
OR6381	RECT_CLOSED	30	10	0	0
OR639	CIRCULAR	0.2	0	0	0
OR6391	RECT_CLOSED	30	10	0	0
OR64	CIRCULAR	0.2	0	0	0
OR6401	RECT_CLOSED	30	10	0	0
OR641	RECT_CLOSED	30	10	0	0
OR6411	RECT_CLOSED	30	10	0	0
OR642	CIRCULAR	0.2	0	0	0
OR6421	RECT_CLOSED	30	10	0	0
OR643	RECT_CLOSED	1	10	0	0
OR6431	RECT_CLOSED	30	10	0	0
OR644	CIRCULAR	0.2	0	0	0
OR645	CIRCULAR	0.2	0	0	0
OR646	CIRCULAR	0.2	0	0	0
OR6461	RECT_CLOSED	30	10	0	0
OR647	CIRCULAR	0.2	0	0	0
OR6471	RECT_CLOSED	30	10	0	0
OR648	CIRCULAR	0.2	0	0	0
OR6481	RECT_CLOSED	30	10	0	0
OR649	CIRCULAR	0.2	0	0	0
OR6491	RECT_CLOSED	30	10	0	0
OR65	CIRCULAR	0.2	0	0	0
OR650	CIRCULAR	0.2	0	0	0
OR6501	RECT_CLOSED	30	10	0	0
OR651	CIRCULAR	0.2	0	0	0
OR6511	RECT_CLOSED	30	10	0	0
OR652	CIRCULAR	0.2	0	0	0
OR6521	RECT_CLOSED	30	10	0	0
OR653	CIRCULAR	0.3	0	0	0
OR6531	RECT_CLOSED	30	10	0	0
OR654	CIRCULAR	0.2	0	0	0
OR6541	RECT_CLOSED	30	10	0	0
OR655	CIRCULAR	0.2	0	0	0
OR6551	RECT_CLOSED	30	50.32	0	0
OR656	CIRCULAR	0.15	0	0	0
OR6561	RECT_CLOSED	30	10	0	0
OR657	CIRCULAR	0.2	0	0	0
OR6571	RECT_CLOSED	30	10	0	0
OR658	CIRCULAR	0.2	0	0	0
OR6581	RECT_CLOSED	30	51.59	0	0
OR659	CIRCULAR	0.2	0	0	0
OR6591	RECT_CLOSED	30	10	0	0
OR66	CIRCULAR	0.2	0	0	0
OR660	CIRCULAR	0.2	0	0	0
OR6601	RECT_CLOSED	30	10	0	0
OR661	CIRCULAR	0.2	0	0	0
OR6611	RECT_CLOSED	30	10	0	0
OR662	CIRCULAR	0.2	0	0	0
OR6621	RECT_CLOSED	30	10	0	0
OR663	CIRCULAR	0.2	0	0	0
OR6631	RECT_CLOSED	30	10	0	0
OR664	CIRCULAR	0.15	0	0	0
OR6641	RECT_CLOSED	30	10	0	0
OR665	CIRCULAR	0.15	0	0	0
OR6651	RECT_CLOSED	30	10	0	0
OR666	CIRCULAR	0.15	0	0	0
OR6661	RECT_CLOSED	30	10	0	0
OR667	CIRCULAR	0.2	0	0	0

OR6671	RECT_CLOSED	30	10	0	0
OR668	CIRCULAR	0.2	0	0	0
OR6681	RECT_CLOSED	30	10	0	0
OR669	CIRCULAR	0.15	0	0	0
OR6691	RECT_CLOSED	30	10	0	0
OR67	CIRCULAR	0.25	0	0	0
OR670	CIRCULAR	0.15	0	0	0
OR6701	RECT_CLOSED	30	10	0	0
OR671	CIRCULAR	0.15	0	0	0
OR6711	RECT_CLOSED	30	10	0	0
OR672	CIRCULAR	0.15	0	0	0
OR6721	RECT_CLOSED	30	10	0	0
OR673	CIRCULAR	0.15	0	0	0
OR6731	RECT_CLOSED	30	10	0	0
OR674	CIRCULAR	0.15	0	0	0
OR6741	RECT_CLOSED	30	10	0	0
OR675	CIRCULAR	0.15	0	0	0
OR6751	RECT_CLOSED	30	10	0	0
OR676	CIRCULAR	0.15	0	0	0
OR6761	RECT_CLOSED	30	10	0	0
OR677	CIRCULAR	0.15	0	0	0
OR6771	RECT_CLOSED	30	10	0	0
OR678	CIRCULAR	0.15	0	0	0
OR6781	RECT_CLOSED	30	10	0	0
OR679	CIRCULAR	0.15	0	0	0
OR6791	RECT_CLOSED	30	10	0	0
OR68	CIRCULAR	0.2	0	0	0
OR680	CIRCULAR	0.2	0	0	0
OR6801	RECT_CLOSED	30	10	0	0
OR681	CIRCULAR	0.15	0	0	0
OR6811	RECT_CLOSED	30	10	0	0
OR682	CIRCULAR	0.15	0	0	0
OR6821	RECT_CLOSED	30	10	0	0
OR683	CIRCULAR	0.15	0	0	0
OR6831	RECT_CLOSED	30	10	0	0
OR684	CIRCULAR	0.15	0	0	0
OR6841	RECT_CLOSED	30	10	0	0
OR685	CIRCULAR	0.15	0	0	0
OR6851	RECT_CLOSED	30	10	0	0
OR686	CIRCULAR	0.15	0	0	0
OR6861	RECT_CLOSED	30	10	0	0
OR687	CIRCULAR	0.15	0	0	0
OR6871	RECT_CLOSED	30	10	0	0
OR688	CIRCULAR	0.15	0	0	0
OR6881	RECT_CLOSED	30	10	0	0
OR689	CIRCULAR	0.15	0	0	0
OR6891	RECT_CLOSED	30	10	0	0
OR69	CIRCULAR	0.2	0	0	0
OR690	CIRCULAR	0.15	0	0	0
OR6901	RECT_CLOSED	30	10	0	0
OR691	CIRCULAR	0.375	0	0	0
OR6911	RECT_CLOSED	30	10	0	0
OR692	CIRCULAR	0.15	0	0	0
OR6921	RECT_CLOSED	30	10	0	0
OR693	CIRCULAR	0.15	0	0	0
OR6931	RECT_CLOSED	30	10	0	0
OR694	CIRCULAR	0.15	0	0	0
OR6941	RECT_CLOSED	30	10	0	0
OR695	CIRCULAR	0.15	0	0	0
OR6951	RECT_CLOSED	30	10	0	0
OR696	CIRCULAR	0.15	0	0	0
OR6961	RECT_CLOSED	30	10	0	0
OR697	CIRCULAR	0.2	0	0	0
OR6971	RECT_CLOSED	30	10	0	0

OR698	CIRCULAR	0.2	0	0	0
OR6981	RECT_CLOSED	30	10	0	0
OR699	CIRCULAR	0.15	0	0	0
OR6991	RECT_CLOSED	30	10	0	0
OR7	CIRCULAR	0.2	0	0	0
OR70	CIRCULAR	0.2	0	0	0
OR700	CIRCULAR	0.15	0	0	0
OR7001	RECT_CLOSED	30	10	0	0
OR701	CIRCULAR	0.15	0	0	0
OR7011	RECT_CLOSED	30	10	0	0
OR702	CIRCULAR	0.15	0	0	0
OR7021	RECT_CLOSED	30	10	0	0
OR703	CIRCULAR	0.15	0	0	0
OR7031	RECT_CLOSED	30	10	0	0
OR704	CIRCULAR	0.2	0	0	0
OR7041	RECT_CLOSED	30	10	0	0
OR705	CIRCULAR	0.2	0	0	0
OR7051	RECT_CLOSED	30	10	0	0
OR706	CIRCULAR	0.2	0	0	0
OR7061	RECT_CLOSED	30	10	0	0
OR707	CIRCULAR	0.2	0	0	0
OR7071	RECT_CLOSED	30	10	0	0
OR708	CIRCULAR	0.25	0	0	0
OR7081	RECT_CLOSED	30	10	0	0
OR709	CIRCULAR	0.25	0	0	0
OR7091	RECT_CLOSED	30	10	0	0
OR71	CIRCULAR	0.2	0	0	0
OR710	CIRCULAR	0.25	0	0	0
OR7101	RECT_CLOSED	30	10	0	0
OR711	CIRCULAR	0.2	0	0	0
OR7111	RECT_CLOSED	30	10	0	0
OR712	CIRCULAR	0.2	0	0	0
OR7121	RECT_CLOSED	30	10	0	0
OR713	CIRCULAR	0.2	0	0	0
OR7131	RECT_CLOSED	30	10	0	0
OR714	CIRCULAR	0.2	0	0	0
OR7141	RECT_CLOSED	30	10	0	0
OR715	CIRCULAR	0.2	0	0	0
OR7151	RECT_CLOSED	30	10	0	0
OR716	CIRCULAR	0.2	0	0	0
OR7161	RECT_CLOSED	30	10	0	0
OR717	CIRCULAR	0.2	0	0	0
OR7171	RECT_CLOSED	30	10	0	0
OR718	CIRCULAR	0.25	0	0	0
OR7181	RECT_CLOSED	30	10	0	0
OR719	CIRCULAR	0.2	0	0	0
OR7191	RECT_CLOSED	30	10	0	0
OR72	CIRCULAR	0.2	0	0	0
OR720	CIRCULAR	0.2	0	0	0
OR7201	RECT_CLOSED	30	10	0	0
OR721	CIRCULAR	0.2	0	0	0
OR7211	RECT_CLOSED	30	10	0	0
OR722	CIRCULAR	0.25	0	0	0
OR7221	RECT_CLOSED	30	10	0	0
OR723	CIRCULAR	0.2	0	0	0
OR7231	RECT_CLOSED	30	10	0	0
OR724	CIRCULAR	0.2	0	0	0
OR7241	RECT_CLOSED	30	10	0	0
OR725	CIRCULAR	0.2	0	0	0
OR7251	RECT_CLOSED	30	10	0	0
OR726	CIRCULAR	0.2	0	0	0
OR7261	RECT_CLOSED	30	10	0	0
OR727	CIRCULAR	0.2	0	0	0
OR7271	RECT_CLOSED	30	10	0	0

OR728	CIRCULAR	0.25	0	0	0
OR7281	RECT_CLOSED	30	10	0	0
OR729	CIRCULAR	0.2	0	0	0
OR7291	RECT_CLOSED	30	10	0	0
OR73	CIRCULAR	0.2	0	0	0
OR730	CIRCULAR	0.2	0	0	0
OR7301	RECT_CLOSED	30	10	0	0
OR731	CIRCULAR	0.2	0	0	0
OR7311	RECT_CLOSED	30	10	0	0
OR732	CIRCULAR	0.2	0	0	0
OR7321	RECT_CLOSED	30	10	0	0
OR733	CIRCULAR	0.25	0	0	0
OR7331	RECT_CLOSED	30	10	0	0
OR734	CIRCULAR	0.2	0	0	0
OR7341	RECT_CLOSED	30	10	0	0
OR735	CIRCULAR	0.25	0	0	0
OR7351	RECT_CLOSED	30	10	0	0
OR736	CIRCULAR	0.15	0	0	0
OR7361	RECT_CLOSED	30	10	0	0
OR737	CIRCULAR	0.2	0	0	0
OR7371	RECT_CLOSED	30	10	0	0
OR738	CIRCULAR	0.2	0	0	0
OR7381	RECT_CLOSED	30	10	0	0
OR739	CIRCULAR	0.2	0	0	0
OR7391	RECT_CLOSED	30	10	0	0
OR74	CIRCULAR	0.25	0	0	0
OR740	CIRCULAR	0.2	0	0	0
OR7401	RECT_CLOSED	30	10	0	0
OR741	CIRCULAR	0.2	0	0	0
OR7411	RECT_CLOSED	30	10	0	0
OR742	CIRCULAR	0.375	0	0	0
OR7421	RECT_CLOSED	30	10	0	0
OR743	CIRCULAR	0.2	0	0	0
OR7431	RECT_CLOSED	30	10	0	0
OR744	CIRCULAR	0.2	0	0	0
OR7441	RECT_CLOSED	30	10	0	0
OR745	CIRCULAR	0.2	0	0	0
OR7451	RECT_CLOSED	30	10	0	0
OR746	CIRCULAR	0.2	0	0	0
OR7461	RECT_CLOSED	30	10	0	0
OR747	CIRCULAR	0.15	0	0	0
OR7471	RECT_CLOSED	30	10	0	0
OR748	CIRCULAR	0.15	0	0	0
OR7481	RECT_CLOSED	30	10	0	0
OR749	CIRCULAR	0.15	0	0	0
OR7491	RECT_CLOSED	30	10	0	0
OR75	CIRCULAR	0.25	0	0	0
OR750	CIRCULAR	0.15	0	0	0
OR7501	RECT_CLOSED	30	10	0	0
OR751	CIRCULAR	0.2	0	0	0
OR7511	RECT_CLOSED	30	10	0	0
OR752	CIRCULAR	0.2	0	0	0
OR7521	RECT_CLOSED	30	10	0	0
OR753	CIRCULAR	0.2	0	0	0
OR7531	RECT_CLOSED	30	10	0	0
OR754	CIRCULAR	0.2	0	0	0
OR7541	RECT_CLOSED	30	10	0	0
OR755	CIRCULAR	0.2	0	0	0
OR7551	RECT_CLOSED	30	10	0	0
OR756	CIRCULAR	0.25	0	0	0
OR7561	RECT_CLOSED	30	10	0	0
OR757	CIRCULAR	0.25	0	0	0
OR7571	RECT_CLOSED	30	10	0	0
OR758	CIRCULAR	0.2	0	0	0

OR7581	RECT_CLOSED	30	10	0	0
OR759	CIRCULAR	0.2	0	0	0
OR7591	RECT_CLOSED	30	10	0	0
OR76	CIRCULAR	0.25	0	0	0
OR760	CIRCULAR	0.25	0	0	0
OR7601	RECT_CLOSED	30	10	0	0
OR761	CIRCULAR	0.25	0	0	0
OR7611	RECT_CLOSED	30	10	0	0
OR762	CIRCULAR	0.25	0	0	0
OR7621	RECT_CLOSED	30	10	0	0
OR763	CIRCULAR	0.25	0	0	0
OR7631	RECT_CLOSED	30	10	0	0
OR764	CIRCULAR	0.2	0	0	0
OR7641	RECT_CLOSED	30	10	0	0
OR765	CIRCULAR	0.25	0	0	0
OR7651	RECT_CLOSED	30	10	0	0
OR766	CIRCULAR	0.3	0	0	0
OR7661	RECT_CLOSED	30	10	0	0
OR767	RECT_CLOSED	1	30	0	0
OR7671	RECT_CLOSED	30	10	0	0
OR768	RECT_CLOSED	1	30	0	0
OR7681	RECT_CLOSED	30	10	0	0
OR769	RECT_CLOSED	1	30	0	0
OR7691	RECT_CLOSED	30	10	0	0
OR77	CIRCULAR	0.25	0	0	0
OR770	RECT_CLOSED	1	10	0	0
OR7701	RECT_CLOSED	30	10	0	0
OR771	CIRCULAR	0.2	0	0	0
OR7711	RECT_CLOSED	30	10	0	0
OR772	RECT_CLOSED	1	10	0	0
OR7721	RECT_CLOSED	30	10	0	0
OR773	CIRCULAR	0.2	0	0	0
OR7731	RECT_CLOSED	30	10	0	0
OR774	CIRCULAR	0.2	0	0	0
OR7741	RECT_CLOSED	30	10	0	0
OR775	CIRCULAR	0.2	0	0	0
OR7751	RECT_CLOSED	30	10	0	0
OR776	CIRCULAR	0.2	0	0	0
OR7761	RECT_CLOSED	30	10	0	0
OR777	CIRCULAR	0.2	0	0	0
OR7771	RECT_CLOSED	30	10	0	0
OR778	CIRCULAR	0.25	0	0	0
OR7781	RECT_CLOSED	30	10	0	0
OR779	CIRCULAR	0.2	0	0	0
OR7791	RECT_CLOSED	30	10	0	0
OR78	CIRCULAR	0.25	0	0	0
OR780	CIRCULAR	0.25	0	0	0
OR7801	RECT_CLOSED	30	10	0	0
OR781	CIRCULAR	0.25	0	0	0
OR7811	RECT_CLOSED	30	10	0	0
OR782	CIRCULAR	0.2	0	0	0
OR7821	RECT_CLOSED	30	10	0	0
OR783	CIRCULAR	0.25	0	0	0
OR7831	RECT_CLOSED	30	10	0	0
OR784	CIRCULAR	0.2	0	0	0
OR7841	RECT_CLOSED	30	10	0	0
OR785	CIRCULAR	0.2	0	0	0
OR7851	RECT_CLOSED	30	10	0	0
OR786	CIRCULAR	0.25	0	0	0
OR7861	RECT_CLOSED	30	10	0	0
OR787	CIRCULAR	0.25	0	0	0
OR7871	RECT_CLOSED	30	10	0	0
OR788	CIRCULAR	0.25	0	0	0
OR7881	RECT_CLOSED	30	10	0	0

OR789	CIRCULAR	0.25	0	0	0
OR7891	RECT_CLOSED	30	10	0	0
OR79	CIRCULAR	0.2	0	0	0
OR790	RECT_CLOSED	1	10	0	0
OR7901	RECT_CLOSED	30	10	0	0
OR791	RECT_CLOSED	30	10	0	0
OR7911	RECT_CLOSED	30	10	0	0
OR792	RECT_CLOSED	1	10	0	0
OR7921	RECT_CLOSED	30	10	0	0
OR793	RECT_CLOSED	1	10	0	0
OR7931	RECT_CLOSED	30	10	0	0
OR794	CIRCULAR	0.25	0	0	0
OR7941	RECT_CLOSED	30	10	0	0
OR795	CIRCULAR	0.2	0	0	0
OR7951	RECT_CLOSED	30	10	0	0
OR796	CIRCULAR	0.2	0	0	0
OR7961	RECT_CLOSED	30	10	0	0
OR797	CIRCULAR	0.2	0	0	0
OR7971	RECT_CLOSED	30	10	0	0
OR798	CIRCULAR	0.2	0	0	0
OR7981	RECT_CLOSED	30	10	0	0
OR799	CIRCULAR	0.25	0	0	0
OR7991	RECT_CLOSED	30	10	0	0
OR8	CIRCULAR	0.25	0	0	0
OR80	CIRCULAR	0.2	0	0	0
OR800	CIRCULAR	0.15	0	0	0
OR8001	RECT_CLOSED	30	10	0	0
OR801	CIRCULAR	0.25	0	0	0
OR8011	RECT_CLOSED	30	10	0	0
OR802	CIRCULAR	0.25	0	0	0
OR8021	RECT_CLOSED	30	10	0	0
OR803	CIRCULAR	0.25	0	0	0
OR8031	RECT_CLOSED	30	10	0	0
OR804	CIRCULAR	0.25	0	0	0
OR8041	RECT_CLOSED	30	10	0	0
OR805	CIRCULAR	0.2	0	0	0
OR8051	RECT_CLOSED	30	10	0	0
OR806	CIRCULAR	0.2	0	0	0
OR8061	RECT_CLOSED	30	10	0	0
OR807	CIRCULAR	0.25	0	0	0
OR8071	RECT_CLOSED	30	10	0	0
OR808	CIRCULAR	0.375	0	0	0
OR8081	RECT_CLOSED	30	10	0	0
OR809	RECT_CLOSED	1	10	0	0
OR8091	RECT_CLOSED	30	10	0	0
OR81	CIRCULAR	0.3	0	0	0
OR810	RECT_CLOSED	1	10	0	0
OR8101	RECT_CLOSED	30	10	0	0
OR811	CIRCULAR	0.2	0	0	0
OR8111	RECT_CLOSED	30	10	0	0
OR812	RECT_CLOSED	1	10	0	0
OR8121	RECT_CLOSED	30	10	0	0
OR813	CIRCULAR	0.2	0	0	0
OR8131	RECT_CLOSED	30	10	0	0
OR814	CIRCULAR	0.2	0	0	0
OR8141	RECT_CLOSED	30	10	0	0
OR815	CIRCULAR	0.2	0	0	0
OR8151	RECT_CLOSED	30	10	0	0
OR816	CIRCULAR	0.2	0	0	0
OR8161	RECT_CLOSED	30	10	0	0
OR817	CIRCULAR	0.2	0	0	0
OR8171	RECT_CLOSED	30	10	0	0
OR818	CIRCULAR	0.2	0	0	0
OR8181	RECT_CLOSED	30	10	0	0

OR819	CIRCULAR	0.2	0	0	0
OR8191	RECT_CLOSED	30	10	0	0
OR82	CIRCULAR	0.3	0	0	0
OR820	CIRCULAR	0.2	0	0	0
OR8201	RECT_CLOSED	30	10	0	0
OR821	CIRCULAR	0.2	0	0	0
OR8211	RECT_CLOSED	30	10	0	0
OR822	CIRCULAR	0.2	0	0	0
OR8221	RECT_CLOSED	30	10	0	0
OR823	CIRCULAR	0.2	0	0	0
OR8231	RECT_CLOSED	30	10	0	0
OR824	CIRCULAR	0.2	0	0	0
OR8241	RECT_CLOSED	30	10	0	0
OR825	CIRCULAR	0.2	0	0	0
OR8251	RECT_CLOSED	30	10	0	0
OR826	CIRCULAR	0.2	0	0	0
OR8261	RECT_CLOSED	30	10	0	0
OR827	CIRCULAR	0.2	0	0	0
OR8271	RECT_CLOSED	30	10	0	0
OR828	CIRCULAR	0.2	0	0	0
OR8281	RECT_CLOSED	30	10	0	0
OR829	CIRCULAR	0.2	0	0	0
OR8291	RECT_CLOSED	30	10	0	0
OR83	CIRCULAR	0.2	0	0	0
OR830	CIRCULAR	0.2	0	0	0
OR8301	RECT_CLOSED	30	10	0	0
OR831	CIRCULAR	0.2	0	0	0
OR8311	RECT_CLOSED	30	10	0	0
OR832	CIRCULAR	0.2	0	0	0
OR8321	RECT_CLOSED	30	10	0	0
OR833	CIRCULAR	0.2	0	0	0
OR8331	RECT_CLOSED	30	10	0	0
OR834	CIRCULAR	0.2	0	0	0
OR8341	RECT_CLOSED	30	10	0	0
OR835	CIRCULAR	0.2	0	0	0
OR8351	RECT_CLOSED	30	10	0	0
OR836	CIRCULAR	0.2	0	0	0
OR8361	RECT_CLOSED	30	10	0	0
OR837	CIRCULAR	0.25	0	0	0
OR8371	RECT_CLOSED	30	10	0	0
OR838	CIRCULAR	0.3	0	0	0
OR8381	RECT_CLOSED	30	10	0	0
OR839	CIRCULAR	0.2	0	0	0
OR8391	RECT_CLOSED	30	10	0	0
OR84	CIRCULAR	0.1	0	0	0
OR840	CIRCULAR	0.2	0	0	0
OR8401	RECT_CLOSED	30	10	0	0
OR841	CIRCULAR	0.2	0	0	0
OR8411	RECT_CLOSED	30	10	0	0
OR842	CIRCULAR	0.2	0	0	0
OR8421	RECT_CLOSED	30	10	0	0
OR843	CIRCULAR	0.2	0	0	0
OR8431	RECT_CLOSED	30	10	0	0
OR844	CIRCULAR	0.2	0	0	0
OR8441	RECT_CLOSED	30	10	0	0
OR845	CIRCULAR	0.2	0	0	0
OR8451	RECT_CLOSED	30	10	0	0
OR846	CIRCULAR	0.2	0	0	0
OR8461	RECT_CLOSED	30	10	0	0
OR847	CIRCULAR	0.2	0	0	0
OR8471	RECT_CLOSED	30	10	0	0
OR848	CIRCULAR	0.2	0	0	0
OR8481	RECT_CLOSED	30	10	0	0
OR849	CIRCULAR	0.2	0	0	0

OR8491	RECT_CLOSED	30	10	0	0
OR85	CIRCULAR	0.1	0	0	0
OR850	CIRCULAR	0.2	0	0	0
OR8501	RECT_CLOSED	30	10	0	0
OR851	CIRCULAR	0.2	0	0	0
OR8511	RECT_CLOSED	30	10	0	0
OR852	CIRCULAR	0.2	0	0	0
OR8521	RECT_CLOSED	30	10	0	0
OR853	CIRCULAR	0.25	0	0	0
OR8531	RECT_CLOSED	30	10	0	0
OR854	CIRCULAR	0.2	0	0	0
OR8541	RECT_CLOSED	30	10	0	0
OR855	CIRCULAR	0.2	0	0	0
OR8551	RECT_CLOSED	30	10	0	0
OR856	CIRCULAR	0.2	0	0	0
OR8561	RECT_CLOSED	30	10	0	0
OR857	CIRCULAR	0.2	0	0	0
OR8571	RECT_CLOSED	30	10	0	0
OR858	CIRCULAR	0.2	0	0	0
OR8581	RECT_CLOSED	30	10	0	0
OR859	CIRCULAR	0.2	0	0	0
OR8591	RECT_CLOSED	30	10	0	0
OR86	CIRCULAR	0.1	0	0	0
OR860	CIRCULAR	0.2	0	0	0
OR8601	RECT_CLOSED	30	10	0	0
OR861	CIRCULAR	0.2	0	0	0
OR8611	RECT_CLOSED	30	10	0	0
OR862	CIRCULAR	0.2	0	0	0
OR8621	RECT_CLOSED	30	10	0	0
OR863	CIRCULAR	0.2	0	0	0
OR8631	RECT_CLOSED	30	10	0	0
OR864	CIRCULAR	0.25	0	0	0
OR8641	RECT_CLOSED	30	10	0	0
OR865	CIRCULAR	0.2	0	0	0
OR8651	RECT_CLOSED	30	10	0	0
OR866	CIRCULAR	0.3	0	0	0
OR8661	RECT_CLOSED	30	10	0	0
OR867	CIRCULAR	0.3	0	0	0
OR8671	RECT_CLOSED	30	10	0	0
OR868	CIRCULAR	0.375	0	0	0
OR8681	RECT_CLOSED	30	10	0	0
OR869	CIRCULAR	0.375	0	0	0
OR8691	RECT_CLOSED	30	10	0	0
OR87	CIRCULAR	0.1	0	0	0
OR870	CIRCULAR	0.25	0	0	0
OR8701	RECT_CLOSED	30	10	0	0
OR871	CIRCULAR	0.2	0	0	0
OR8711	RECT_CLOSED	30	10	0	0
OR872	CIRCULAR	0.2	0	0	0
OR8721	RECT_CLOSED	30	10	0	0
OR873	CIRCULAR	0.2	0	0	0
OR8731	RECT_CLOSED	30	10	0	0
OR874	CIRCULAR	0.2	0	0	0
OR8741	RECT_CLOSED	30	10	0	0
OR875	CIRCULAR	0.2	0	0	0
OR8751	RECT_CLOSED	30	10	0	0
OR876	CIRCULAR	0.2	0	0	0
OR8761	RECT_CLOSED	30	10	0	0
OR877	CIRCULAR	0.2	0	0	0
OR8771	RECT_CLOSED	30	10	0	0
OR878	CIRCULAR	0.2	0	0	0
OR8781	RECT_CLOSED	30	10	0	0
OR879	CIRCULAR	0.2	0	0	0
OR8791	RECT_CLOSED	30	10	0	0

OR88	CIRCULAR	0.1	0	0	0
OR880	CIRCULAR	0.2	0	0	0
OR8801	RECT_CLOSED	30	10	0	0
OR881	CIRCULAR	0.2	0	0	0
OR8811	RECT_CLOSED	30	10	0	0
OR882	CIRCULAR	0.2	0	0	0
OR8821	RECT_CLOSED	30	10	0	0
OR883	CIRCULAR	0.2	0	0	0
OR8831	RECT_CLOSED	30	10	0	0
OR884	CIRCULAR	0.2	0	0	0
OR8841	RECT_CLOSED	30	10	0	0
OR885	CIRCULAR	0.2	0	0	0
OR8851	RECT_CLOSED	30	10	0	0
OR886	CIRCULAR	0.2	0	0	0
OR8861	RECT_CLOSED	30	10	0	0
OR887	CIRCULAR	0.25	0	0	0
OR8871	RECT_CLOSED	30	10	0	0
OR888	CIRCULAR	0.2	0	0	0
OR8881	RECT_CLOSED	30	10	0	0
OR889	CIRCULAR	0.25	0	0	0
OR8891	RECT_CLOSED	30	10	0	0
OR89	CIRCULAR	0.2	0	0	0
OR890	CIRCULAR	0.25	0	0	0
OR8901	RECT_CLOSED	30	10	0	0
OR891	CIRCULAR	0.25	0	0	0
OR8911	RECT_CLOSED	30	10	0	0
OR892	CIRCULAR	0.2	0	0	0
OR8921	RECT_CLOSED	30	10	0	0
OR893	CIRCULAR	0.2	0	0	0
OR8931	RECT_CLOSED	30	10	0	0
OR894	CIRCULAR	0.2	0	0	0
OR8941	RECT_CLOSED	30	10	0	0
OR895	CIRCULAR	0.25	0	0	0
OR8951	RECT_CLOSED	30	10	0	0
OR896	CIRCULAR	0.25	0	0	0
OR8961	RECT_CLOSED	30	10	0	0
OR897	CIRCULAR	0.25	0	0	0
OR8971	RECT_CLOSED	30	10	0	0
OR898	CIRCULAR	0.25	0	0	0
OR8981	RECT_CLOSED	30	10	0	0
OR899	CIRCULAR	0.25	0	0	0
OR8991	RECT_CLOSED	30	10	0	0
OR9	CIRCULAR	0.3	0	0	0
OR90	CIRCULAR	0.2	0	0	0
OR900	RECT_CLOSED	1	10	0	0
OR9001	RECT_CLOSED	30	10	0	0
OR901	CIRCULAR	0.2	0	0	0
OR9011	RECT_CLOSED	30	10	0	0
OR902	CIRCULAR	0.25	0	0	0
OR9021	RECT_CLOSED	30	10	0	0
OR903	CIRCULAR	0.15	0	0	0
OR9031	RECT_CLOSED	30	10	0	0
OR904	CIRCULAR	0.15	0	0	0
OR9041	RECT_CLOSED	30	10	0	0
OR905	CIRCULAR	0.2	0	0	0
OR9051	RECT_CLOSED	30	10	0	0
OR906	CIRCULAR	0.2	0	0	0
OR9061	RECT_CLOSED	30	10	0	0
OR907	CIRCULAR	0.2	0	0	0
OR9071	RECT_CLOSED	30	10	0	0
OR908	CIRCULAR	0.2	0	0	0
OR9081	RECT_CLOSED	30	10	0	0
OR909	CIRCULAR	0.15	0	0	0
OR9091	RECT_CLOSED	30	10	0	0

OR91	CIRCULAR	0.2	0	0	0
OR910	CIRCULAR	0.2	0	0	0
OR9101	RECT_CLOSED	30	10	0	0
OR911	CIRCULAR	0.2	0	0	0
OR9111	RECT_CLOSED	30	10	0	0
OR912	CIRCULAR	0.2	0	0	0
OR9121	RECT_CLOSED	30	10	0	0
OR913	CIRCULAR	0.2	0	0	0
OR9131	RECT_CLOSED	30	10	0	0
OR914	CIRCULAR	0.2	0	0	0
OR9141	RECT_CLOSED	30	10	0	0
OR915	CIRCULAR	0.25	0	0	0
OR9151	RECT_CLOSED	30	10	0	0
OR916	CIRCULAR	0.25	0	0	0
OR9161	RECT_CLOSED	30	10	0	0
OR917	CIRCULAR	0.2	0	0	0
OR9171	RECT_CLOSED	30	10	0	0
OR918	CIRCULAR	0.2	0	0	0
OR9181	RECT_CLOSED	30	10	0	0
OR919	CIRCULAR	0.2	0	0	0
OR9191	RECT_CLOSED	30	10	0	0
OR92	CIRCULAR	0.2	0	0	0
OR920	CIRCULAR	0.2	0	0	0
OR9201	RECT_CLOSED	30	10	0	0
OR921	CIRCULAR	0.2	0	0	0
OR9211	RECT_CLOSED	30	10	0	0
OR922	CIRCULAR	0.2	0	0	0
OR9221	RECT_CLOSED	30	10	0	0
OR923	CIRCULAR	0.2	0	0	0
OR9231	RECT_CLOSED	30	10	0	0
OR924	CIRCULAR	0.2	0	0	0
OR9241	RECT_CLOSED	30	10	0	0
OR925	CIRCULAR	0.2	0	0	0
OR9251	RECT_CLOSED	30	10	0	0
OR926	CIRCULAR	0.2	0	0	0
OR9261	RECT_CLOSED	30	10	0	0
OR927	CIRCULAR	0.2	0	0	0
OR9271	RECT_CLOSED	30	10	0	0
OR928	CIRCULAR	0.2	0	0	0
OR9281	RECT_CLOSED	30	10	0	0
OR929	CIRCULAR	0.2	0	0	0
OR9291	RECT_CLOSED	30	10	0	0
OR93	CIRCULAR	0.2	0	0	0
OR930	CIRCULAR	0.2	0	0	0
OR9301	RECT_CLOSED	30	10	0	0
OR931	CIRCULAR	0.2	0	0	0
OR9311	RECT_CLOSED	30	10	0	0
OR932	CIRCULAR	0.2	0	0	0
OR9321	RECT_CLOSED	30	10	0	0
OR933	CIRCULAR	0.2	0	0	0
OR9331	RECT_CLOSED	30	10	0	0
OR934	CIRCULAR	0.2	0	0	0
OR9341	RECT_CLOSED	30	10	0	0
OR935	CIRCULAR	0.2	0	0	0
OR9351	RECT_CLOSED	30	10	0	0
OR936	CIRCULAR	0.2	0	0	0
OR9361	RECT_CLOSED	30	10	0	0
OR937	CIRCULAR	0.2	0	0	0
OR9371	RECT_CLOSED	30	10	0	0
OR938	CIRCULAR	0.2	0	0	0
OR9381	RECT_CLOSED	30	10	0	0
OR939	CIRCULAR	0.2	0	0	0
OR9391	RECT_CLOSED	30	10	0	0
OR94	CIRCULAR	0.2	0	0	0

OR940	CIRCULAR	0.2	0	0	0
OR9401	RECT_CLOSED	30	10	0	0
OR941	CIRCULAR	0.2	0	0	0
OR9411	RECT_CLOSED	30	10	0	0
OR942	CIRCULAR	0.2	0	0	0
OR9421	RECT_CLOSED	30	10	0	0
OR943	CIRCULAR	0.2	0	0	0
OR9431	RECT_CLOSED	30	10	0	0
OR944	CIRCULAR	0.2	0	0	0
OR9441	RECT_CLOSED	30	10	0	0
OR945	CIRCULAR	0.2	0	0	0
OR9451	RECT_CLOSED	30	10	0	0
OR946	CIRCULAR	0.2	0	0	0
OR9461	RECT_CLOSED	30	10	0	0
OR947	CIRCULAR	0.2	0	0	0
OR9471	RECT_CLOSED	30	10	0	0
OR948	CIRCULAR	0.2	0	0	0
OR9481	RECT_CLOSED	30	10	0	0
OR949	CIRCULAR	0.2	0	0	0
OR9491	RECT_CLOSED	30	10	0	0
OR95	CIRCULAR	0.2	0	0	0
OR950	CIRCULAR	0.2	0	0	0
OR9501	RECT_CLOSED	30	10	0	0
OR951	CIRCULAR	0.2	0	0	0
OR9511	RECT_CLOSED	30	10	0	0
OR952	CIRCULAR	0.2	0	0	0
OR9521	RECT_CLOSED	30	10	0	0
OR953	CIRCULAR	0.15	0	0	0
OR9531	RECT_CLOSED	30	10	0	0
OR954	CIRCULAR	0.15	0	0	0
OR955	CIRCULAR	0.15	0	0	0
OR9551	RECT_CLOSED	30	10	0	0
OR956	CIRCULAR	0.15	0	0	0
OR9561	RECT_CLOSED	30	10	0	0
OR957	CIRCULAR	0.2	0	0	0
OR9571	RECT_CLOSED	30	10	0	0
OR958	CIRCULAR	0.2	0	0	0
OR9581	RECT_CLOSED	30	10	0	0
OR959	CIRCULAR	0.15	0	0	0
OR9591	RECT_CLOSED	30	10	0	0
OR96	CIRCULAR	0.2	0	0	0
OR960	CIRCULAR	0.15	0	0	0
OR9601	RECT_CLOSED	30	10	0	0
OR961	CIRCULAR	0.25	0	0	0
OR9611	RECT_CLOSED	30	10	0	0
OR962	CIRCULAR	0.25	0	0	0
OR9621	RECT_CLOSED	30	10	0	0
OR963	CIRCULAR	0.2	0	0	0
OR9631	RECT_CLOSED	30	10	0	0
OR964	CIRCULAR	0.1	0	0	0
OR9641	RECT_CLOSED	30	10	0	0
OR965	CIRCULAR	0.2	0	0	0
OR9651	RECT_CLOSED	30	10	0	0
OR966	CIRCULAR	0.2	0	0	0
OR9661	RECT_CLOSED	30	10	0	0
OR967	CIRCULAR	0.2	0	0	0
OR9671	RECT_CLOSED	30	10	0	0
OR968	CIRCULAR	0.2	0	0	0
OR9681	RECT_CLOSED	30	10	0	0
OR969	CIRCULAR	0.2	0	0	0
OR9691	RECT_CLOSED	30	10	0	0
OR97	CIRCULAR	0.2	0	0	0
OR970	CIRCULAR	0.2	0	0	0
OR9701	RECT_CLOSED	30	10	0	0

OR971	CIRCULAR	0.2	0	0	0
OR9711	RECT_CLOSED	30	10	0	0
OR972	CIRCULAR	0.2	0	0	0
OR9721	RECT_CLOSED	30	10	0	0
OR973	CIRCULAR	0.2	0	0	0
OR9731	RECT_CLOSED	30	10	0	0
OR974	CIRCULAR	0.2	0	0	0
OR9741	RECT_CLOSED	30	10	0	0
OR975	CIRCULAR	0.2	0	0	0
OR9751	RECT_CLOSED	30	10	0	0
OR976	CIRCULAR	0.2	0	0	0
OR9761	RECT_CLOSED	30	10	0	0
OR977	CIRCULAR	0.2	0	0	0
OR9771	RECT_CLOSED	30	10	0	0
OR978	CIRCULAR	0.2	0	0	0
OR9781	RECT_CLOSED	30	10	0	0
OR979	CIRCULAR	0.2	0	0	0
OR9791	RECT_CLOSED	30	10	0	0
OR98	CIRCULAR	0.2	0	0	0
OR980	CIRCULAR	0.2	0	0	0
OR9801	RECT_CLOSED	30	10	0	0
OR981	CIRCULAR	0.2	0	0	0
OR9811	RECT_CLOSED	30	10	0	0
OR982	CIRCULAR	0.2	0	0	0
OR9821	RECT_CLOSED	30	10	0	0
OR983	CIRCULAR	0.2	0	0	0
OR9831	RECT_CLOSED	30	10	0	0
OR984	CIRCULAR	0.2	0	0	0
OR9841	RECT_CLOSED	30	10	0	0
OR985	CIRCULAR	0.2	0	0	0
OR9851	RECT_CLOSED	30	10	0	0
OR986	CIRCULAR	0.2	0	0	0
OR9861	RECT_CLOSED	30	10	0	0
OR987	CIRCULAR	0.2	0	0	0
OR9871	RECT_CLOSED	30	10	0	0
OR988	CIRCULAR	0.2	0	0	0
OR9881	RECT_CLOSED	30	10	0	0
OR989	CIRCULAR	0.2	0	0	0
OR9891	RECT_CLOSED	30	10	0	0
OR99	CIRCULAR	0.2	0	0	0
OR990	CIRCULAR	0.2	0	0	0
OR9901	RECT_CLOSED	30	10	0	0
OR991	CIRCULAR	0.25	0	0	0
OR9911	RECT_CLOSED	30	10	0	0
OR992	CIRCULAR	0.25	0	0	0
OR9921	RECT_CLOSED	30	10	0	0
OR993	CIRCULAR	0.2	0	0	0
OR9931	RECT_CLOSED	30	10	0	0
OR994	CIRCULAR	0.2	0	0	0
OR9941	RECT_CLOSED	30	10	0	0
OR995	CIRCULAR	0.2	0	0	0
OR9951	RECT_CLOSED	30	10	0	0
OR996	RECT_CLOSED	1	10	0	0
OR9961	RECT_CLOSED	30	10	0	0
OR997	CIRCULAR	0.3	0	0	0
OR9971	RECT_CLOSED	30	10	0	0
OR998	CIRCULAR	0.2	0	0	0
OR9981	RECT_CLOSED	30	10	0	0
OR999	CIRCULAR	0.2	0	0	0
OR9991	RECT_CLOSED	30	10	0	0
ORIFICE_CALV	CIRCULAR	0.15	0	0	0
ORIFICE_CARM	CIRCULAR	0.2	0	0	0
ORIFICE_JC	CIRCULAR	0.2	0	0	0
ORIFICE_LESS	CIRCULAR	0.125	0	0	0

ORIFICE_PAP	CIRCULAR	0.3	0	0	0
ORIFICE_SF	CIRCULAR	0.25	0	0	0
ORIFICE_VALENT	CIRCULAR	0.3	0	0	0
ORIFICE_VG	CIRCULAR	0.15	0	0	0
ORIFICE_WESTL	CIRCULAR	0.15	0	0	0
St.Anne_Major_OR10	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR11	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR12	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR13	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR14	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR15	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR16	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR17	RECT_CLOSED	0.25	0.4	0	0
St.Anne_Major_OR18	RECT_CLOSED	0.25	0.4	0	0
St.Anne_Major_OR19	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR2	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR3	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR4	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR5	RECT_CLOSED	0.25	0.1	0	0
St.Anne_Major_OR6	RECT_CLOSED	0.25	0.1	0	0
St.Anne_Major_OR8	RECT_CLOSED	0.2	0.315	0	0
St.Anne_Major_OR9	RECT_CLOSED	0.2	0.315	0	0
StAnne_OR1	CIRCULAR	0.35	0	0	0
StAnneMajor_OR1621	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1631	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1641	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1651	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1661	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1671	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1681	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1691	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1701	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1711	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1761	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1771	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1781	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1791	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1801	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1811	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1821	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1831	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1841	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1851	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1861	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1871	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1881	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1891	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1901	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1911	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1921	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1931	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1941	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1951	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1961	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1971	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1981	RECT_CLOSED	0.3	30	0	0
StAnneMajor_OR1991	RECT_CLOSED	0.3	30	0	0
OR2646	TRAPEZOIDAL	1	10.18	8	8
OR2655	TRAPEZOIDAL	1	8.85	8	8
OR2660	TRAPEZOIDAL	1	12.89	8	8
W1	TRAPEZOIDAL	0.3	1	0.5	0.5
W14	TRAPEZOIDAL	1	9.5	8	8
W15	TRAPEZOIDAL	1	10.5	8	8
W16	TRAPEZOIDAL	1	10.5	8	8

W17	TRAPEZOIDAL	1		10.5	8	8		
W18	TRAPEZOIDAL	1		10.5	8	8		
W19	TRAPEZOIDAL	1		12.5	8	8		
W20	TRAPEZOIDAL	1		8.5	8	8		
W21	TRAPEZOIDAL	1		17	8	8		
W22	TRAPEZOIDAL	1		10.5	8	8		
W3	TRAPEZOIDAL	0.3		1	0.5	0.5		
W4	TRAPEZOIDAL	0.3		1	0.5	0.5		
W5	TRAPEZOIDAL	0.3		1	0.5	0.5		

[TRANSECTS]

;Transect created from transect line: 2

NC 0.04	0.04	0.035						
X1 A1		8	1	8	0.0	0.0	0	0
GR 182.08	1	181.692	2	181.336	3	181.366	4	181.603
GR 182.025	6	182.33	7	182.341	8			

;Transect created from transect line: 3

NC 0.04	0.04	0.035						
X1 A2		8	1	8	0.0	0.0	0	0
GR 182.313	1	182.074	2	181.594	3	181.067	4	181.028
GR 181.128	6	181.669	7	182.111	8			

;Transect created from transect line: 6

NC 0.045	0.045	0.04						
X1 B1		14	1	14	0.0	0.0	0	0
GR 182.292	1	182.271	2	181.827	3	181.234	4	180.647
GR 180.289	6	180.358	7	180.787	8	181.175	9	181.76
GR 182.069	11	182.209	12	182.244	13	182.247	14	181.76

;Transect created from transect line: 8

NC 0.045	0.045	0.04						
X1 B2		15	1	15	0.0	0.0	0	0
GR 180.931	1	180.916	2	180.878	3	180.807	4	180.724
GR 180.469	6	179.996	7	179.966	8	179.94	9	180.078
GR 180.654	11	180.853	12	180.898	13	180.917	14	180.931

;Transect created from transect line: 9

NC 0.045	0.045	0.04						
X1 B3		13	1	13	0.0	0.0	0	0
GR 180.57	1	180.538	2	180.511	3	180.339	4	180.057
GR 179.872	6	179.812	7	179.869	8	180.183	9	180.59
GR 180.669	11	180.676	12	180.687	13			

;Transect created from transect line: 10

NC 0.045	0.045	0.04						
X1 B4		13	2	11	0.0	0.0	0	0
GR 180.486	0	180.462	1	180.418	2	180.347	3	180.248
GR 180.131	5	180.022	6	179.954	7	179.953	8	180.023
GR 180.156	10	180.287	11	180.393	11.62			

;Transect created from transect line: 11

NC 0.04	0.04	0.035						
X1 B5		13	2	11	0.0	0.0	0	0
GR 180.409	0	180.38	1	180.323	2	180.22	3	179.977
GR 179.889	6	179.86	7	179.896	8	179.979	9	180.091
GR 180.177	11	180.23	12	180.23	12.45			

NC 0.04	0.04	0.035						
X1 BD_XS-01		9	5.313	13.111	0.0	0.0	0	0
GR 182.16	0	182.13	4.108	181.95	5.313	180.09	8.189	180.06
GR 180.24	10.346	182.1	13.111	182.07	15.029	181.87	19.035	9.137

NC 0.04	0.04	0.035								
X1 BD_XS-02		7	3.331	8.992	0.0	0.0	0	0	0	
GR 181.04	0	180.73	3.331	179.73	4.853	179.57	5.802	179.66	6.87	
GR 180.91	8.992	180.96	11.251							

NC 0.04	0.04	0.035								
X1 BD_XS-03		7	1.779	9.638	0.0	0.0	0	0	0	
GR 180.66	0	180.62	1.779	179.63	3.676	179.43	5.746	179.63	6.999	
GR 180.72	9.638	180.61	15.159							

NC 0.04	0.04	0.035								
X1 BD_XS-04		7	4.641	11.219	0.0	0.0	0	0	0	
GR 180.51	0	180.49	4.641	179.56	6.048	179.52	7.803	179.65	9.179	
GR 180.47	11.219	180.61	13.374							

;Transect created from transect line: 1

NC 0.04	0.04	0.035								
X1 C1		18	1	13	0.0	0.0	0	0	0	
GR 180.675	0	180.566	1	180.466	2	180.379	3	180.303	4	
GR 180.236	5	180.182	6	180.152	7	180.156	8	180.216	9	
GR 180.29	10	180.368	11	180.43	12	180.467	13	180.484	14	
GR 180.492	15	180.504	16	180.504	16.27					

;Transect created from transect line: 2

NC 0.04	0.04	0.035								
X1 C2		14	1	14	0.0	0.0	0	0	0	
GR 180.807	1	180.694	2	180.554	3	180.054	4	179.769	5	
GR 179.575	6	179.452	7	179.446	8	179.566	9	179.797	10	
GR 179.865	11	179.847	12	179.897	13	179.924	14			

;Transect created from transect line: 3

NC 0.04	0.04	0.035								
X1 C3		19	1	19	0.0	0.0	0	0	0	
GR 180.515	1	180.437	2	180.355	3	180.242	4	180.142	5	
GR 179.962	6	179.591	7	179.445	8	179.435	9	179.429	10	
GR 179.494	11	179.797	12	180.051	13	180.189	14	180.305	15	
GR 180.397	16	180.436	17	180.486	18	180.523	19			

;Transect created from transect line: 4

NC 0.04	0.04	0.035								
X1 C4		16	2	14.72	0.0	0.0	0	0	0	
GR 180.271	0	180.209	1	180.138	2	180.064	3	179.973	4	
GR 179.861	5	179.71	6	179.583	7	179.481	8	179.481	9	
GR 179.423	10	179.42	11	179.463	12	179.532	13	179.611	14	
GR 179.73	14.72									

;Transect created from transect line: 5

NC 0.04	0.04	0.035								
X1 C5		16	2	16	0.0	0.0	0	0	0	
GR 179.742	0	179.685	1	179.633	2	179.494	4	179.408	5	
GR 179.307	6	179.102	8	179.043	9	179.009	10	179.009	11	
GR 178.996	12	179.015	13	179.051	14	179.123	15	179.236	16	
GR 179.388	16.48									

;Transect created from transect line: 6

NC 0.04	0.04	0.035								
X1 CYR_6		18	3	15	0.0	0.0	0	0	0	
GR 179.209	0	179.173	1	179.135	2	179.091	3	179.017	4	
GR 178.941	5	178.851	6	178.756	7	178.674	8	178.622	9	
GR 178.621	10	178.675	11	178.775	12	178.909	13	179.068	14	
GR 179.242	15	179.463	16	179.463	16.43					

;Transect created from transect line: 7

NC 0.04	0.04	0.035								
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X1 CYR_7		14	1	11	0.0	0.0	0	0	0
GR 179.274	0	179.17	1	178.989	2	178.806	3	178.592	4
GR 178.373	5	178.193	6	178.093	7	178.096	8	178.225	9
GR 178.396	10	178.577	11	178.737	12	178.737	12.05		

;cross section @ STA 0+775

NC 0.04	0.04	0.035							
X1 CYR-1		9	0.1	6.386	0.0	0.0	0	0	0
GR 180.933	0	180.915	0.1	180.157	2.3	179.895	3.086	179.895	4.286
GR 180.588	6.386	180.893	10.9	181.183	12	181.345	15.05		

;cross section @ STA 0+925

NC 0.04	0.04	0.035							
X1 CYR-2		11	3	11.75	0.0	0.0	0	0	0
GR 180.62	0	180.585	3	180.505	3.15	180.32	5.35	179.625	7.65
GR 179.625	8.85	179.715	9.15	180.714	11.75	180.94	16.45	181.27	17.45
GR 181.381	20.85								

;cross section @ STA 1+025

NC 0.04	0.04	0.035							
X1 CYR-3		10	0.1	7.5	0.0	0.0	0	0	0
GR 180.268	0	180.218	0.1	180.11	1.1	179.62	2.6	179.325	3.5
GR 179.325	4.8	180.29	7.5	180.66	11.5	180.86	11.7	181.017	15.5

;cross section @ STA 1+150

NC 0.04	0.04	0.035							
X1 CYR-4		8	1.15	7.35	0.0	0.0	0	0	0
GR 179.901	0	179.901	1.15	179.153	3.35	179.153	4.55	180.071	7.35
GR 180.271	12.25	180.551	13.25	180.725	16.45				

;cross section @ STA 1+325

NC 0.04	0.04	0.035							
X1 CYR-5		9	0.1	8.6	0.0	0.0	0	0	0
GR 179.117	0	179.138	0.1	178.917	3.5	178.785	3.9	178.785	5.1
GR 179.592	8.6	179.887	15.2	180.175	16.4	180.307	19.6		

;cross section @ STA 1+450

NC 0.04	0.04	0.035							
X1 CYR-6		12	0.15	5.85	0.0	0.0	0	0	0
GR 179.252	0	179.213	0.15	178.992	1.55	178.797	2.35	178.721	3.05
GR 178.523	3.65	178.523	4.85	178.853	5.85	179.057	7.25	179.557	17.75
GR 179.852	18.95	180.024	21.95						

;cross section @ STA 1+700

NC 0.04	0.04	0.035							
X1 CYR-7		10	0.25	8.25	0.0	0.0	0	0	0
GR 178.985	0	178.953	0.25	178.625	2.15	178.3115	3.45	177.998	5.55
GR 177.998	6.75	178.82	8.25	179.042	19.45	179.332	20.65	179.5	23.55

;Transect created from transect line: 32

NC 0.04	0.04	0.035							
X1 E10		29	12	21	0.0	0.0	0	0	0
GR 181.5	0	181.508	1	181.515	2	181.52	3	181.522	4
GR 181.522	5	181.518	7	181.518	8	181.521	9	181.527	10
GR 181.531	11	181.522	12	181.491	13	181.43	14	181.351	15
GR 181.281	16	181.258	17	181.316	18	181.455	19	181.654	20
GR 181.871	21	182.065	22	182.217	23	182.324	24	182.395	25
GR 182.439	26	182.467	27	182.483	28	182.483	28.45		

;Transect created from transect line: 33

NC 0.04	0.04	0.035							
X1 E11		23	6	14	0.0	0.0	0	0	0
GR 181.76	0	181.765	1	181.775	2	181.757	3	181.763	4
GR 181.746	5	181.692	6	181.592	7	181.455	8	181.314	9

GR 181.217	10	181.212	11	181.325	12	181.557	13	181.84	14
GR 182.121	15	182.354	16	182.52	17	182.624	18	182.683	19
GR 182.715	20	182.733	21	182.733	21.35				

;Transect created from transect line: 34

NC 0.04	0.04	0.035							
X1 E12		25	6	16	0.0	0.0	0	0	0
GR 181.582	0	181.589	1	181.59	2	181.589	3	181.586	4
GR 181.576	5	181.548	6	181.492	7	181.384	8	181.247	9
GR 181.104	10	181.004	11	180.993	12	181.094	13	181.296	14
GR 181.557	15	181.823	16	182.035	17	182.184	18	182.276	19
GR 182.327	20	182.355	21	182.371	22	182.377	23	182.377	23.38

;Transect created from transect line: 35

NC 0.04	0.04	0.035							
X1 E13		24	9	17	0.0	0.0	0	0	0
GR 180.95	0	180.945	1	180.938	2	180.929	3	180.918	4
GR 180.905	5	180.862	9	180.825	10	180.769	11	180.707	12
GR 180.669	13	180.688	14	180.784	15	180.954	16	181.17	17
GR 181.391	18	181.581	19	181.722	20	181.816	21	181.872	22
GR 181.912	23	181.929	24	181.934	25	181.934	25.09		

;Transect created from transect line: 36

NC 0.04	0.04	0.035							
X1 E14		23	8	17	0.0	0.0	0	0	0
GR 180.978	0	180.976	1	180.972	2	180.972	3	180.929	6
GR 180.913	7	180.883	8	180.827	9	180.737	10	180.627	11
GR 180.527	12	180.485	13	180.531	14	180.667	15	180.865	16
GR 181.077	17	181.264	18	181.414	19	181.509	20	181.569	21
GR 181.607	22	181.631	23	181.644	23.65				

;Transect created from transect line: 37

NC 0.04	0.04	0.035							
X1 E15		25	7	17	0.0	0.0	0	0	0
GR 180.802	0	180.815	1	180.824	2	180.83	3	180.833	4
GR 180.833	5	180.828	6	180.806	7	180.752	8	180.651	9
GR 180.509	10	180.35	11	180.222	12	180.171	13	180.224	14
GR 180.378	15	180.599	16	180.835	17	181.043	18	181.209	19
GR 181.313	20	181.376	21	181.413	22	181.433	23	181.439	23.27

;Transect created from transect line: 38

NC 0.04	0.04	0.035							
X1 E16		24	5	16	0.0	0.0	0	0	0
GR 180.965	0	181.001	1	181.029	2	181.047	3	181.051	4
GR 181.032	5	180.969	6	180.85	7	180.672	8	180.463	9
GR 180.275	10	180.166	11	180.171	12	180.289	13	180.499	14
GR 180.718	15	180.911	16	181.056	17	181.152	18	181.21	19
GR 181.244	20	181.265	21	181.277	22	181.283	22.35		

;Transect created from transect line: 39

NC 0.04	0.04	0.035							
X1 E17		23	5	14	0.0	0.0	0	0	0
GR 180.482	0	180.475	1	180.464	2	180.45	3	180.428	4
GR 180.393	5	180.335	6	180.249	7	180.145	8	180.054	9
GR 180.015	10	180.059	11	180.208	12	180.409	13	180.628	14
GR 180.822	15	180.972	16	181.075	17	181.141	18	181.182	19
GR 181.207	20	181.218	21	181.217	22.87				

;Transect created from transect line: 40

NC 0.04	0.04	0.035							
X1 E18		23	5	15	0.0	0.0	0	0	0
GR 180.532	0	180.534	1	180.537	2	180.539	3	180.534	4
GR 180.511	5	180.458	6	180.367	7	180.241	8	180.103	9
GR 179.991	10	179.954	11	180.008	12	180.152	13	180.358	14

GR 180.58	15	180.776	16	180.923	17	181.02	18	181.078	19
GR 181.111	20	181.13	21	181.137	21.97				

;Transect created from transect line: 42

NC 0.04	0.04	0.035							
X1 E19		26	9	20	0.0	0.0	0	0	0
GR 180.342	0	180.383	2	180.401	3	180.415	4	180.426	5
GR 180.433	6	180.436	7	180.432	8	180.409	9	180.348	10
GR 180.236	11	180.067	12	179.866	13	179.683	14	179.588	15
GR 179.614	16	179.76	17	179.992	18	180.248	19	180.471	20
GR 180.635	21	180.737	22	180.793	23	180.821	24	180.832	25
GR 180.833	26								

;Transect created from transect line: 43

NC 0.04	0.04	0.035							
X1 E20		23	6	16	0.0	0.0	0	0	0
GR 180.459	0	180.458	1	180.453	2	180.442	3	180.423	4
GR 180.381	5	180.285	6	180.142	7	179.929	8	179.666	9
GR 179.409	10	179.228	11	179.18	12	179.286	13	179.522	14
GR 179.834	15	180.149	16	180.411	17	180.596	18	180.706	19
GR 180.764	20	180.787	21	180.794	21.99				

;Transect created from transect line: 44

NC 0.04	0.04	0.035							
X1 E21		21	7	17	0.0	0.0	0	0	0
GR 180.106	0	180.073	3	180.065	4	180.05	5	180.019	6
GR 179.955	7	179.842	8	179.674	9	179.463	10	179.255	11
GR 179.117	12	179.106	13	179.247	14	179.514	15	179.842	16
GR 180.153	17	180.409	18	180.562	19	180.645	20	180.686	21
GR 180.704	21.99								

;Transect created from transect line: 45

NC 0.04	0.04	0.035							
X1 E22		21	5	16	0.0	0.0	0	0	0
GR 179.931	0	179.927	1	179.922	3	179.911	4	179.878	5
GR 179.803	6	179.665	7	179.475	8	179.261	9	179.077	10
GR 178.986	11	179.024	12	179.194	13	179.457	14	179.752	15
GR 180.016	16	180.216	17	180.346	18	180.418	19	180.455	20
GR 180.455	20.72								

;Transect created from transect line: 46

NC 0.04	0.04	0.035							
X1 E23		20	8	18	0.0	0.0	0	0	0
GR 179.614	0	179.686	5	179.696	6	179.693	7	179.657	8
GR 179.57	9	179.42	10	179.221	11	179.014	12	178.863	13
GR 178.823	14	178.917	15	179.124	16	179.391	17	179.656	18
GR 179.872	19	180.023	20	180.115	21	180.165	22	180.19	22.87

;Transect created from transect line: 47

NC 0.04	0.04	0.035							
X1 E25		18	1	13	0.0	0.0	0	0	0
GR 179.58	0	179.512	1	179.395	2	179.227	3	179.015	4
GR 178.786	5	178.579	6	178.443	7	178.416	8	178.527	9
GR 178.747	10	179.032	11	179.321	12	179.564	13	179.737	14
GR 179.842	15	179.898	16	179.923	16.39				

;Transect created from transect line: 48

NC 0.04	0.04	0.035							
X1 E26		21	5	15	0.0	0.0	0	0	0
GR 179.656	0	179.566	2	179.516	3	179.451	4	179.356	5
GR 179.207	6	179.001	7	178.755	8	178.518	9	178.361	10
GR 178.34	11	178.471	12	178.722	13	179.024	14	179.299	15
GR 179.519	16	179.639	17	179.7	18	179.727	19	179.739	20
GR 179.739	20.17								

;Transect created from transect line: 49

NC 0.04	0.04	0.035							
X1 E27		20	2	13	0.0	0.0	0	0	0
GR 179.086	0	178.97	1	178.787	2	178.542	3	178.27	4
GR 178.024	5	177.864	6	177.834	7	177.941	8	178.155	9
GR 178.426	10	178.699	11	178.931	12	179.101	13	179.208	14
GR 179.28	15	179.328	16	179.366	17	179.401	18	179.431	18.56

;Transect created from transect line: 50

NC 0.04	0.04	0.035							
X1 E28		25	3	16	0.0	0.0	0	0	0
GR 179.224	0	179.2	1	179.125	2	179.063	3	178.925	4
GR 178.766	5	178.492	6	178.046	7	177.47	8	177.203	9
GR 176.95	10	176.977	11	177.622	12	178.095	13	178.512	14
GR 178.66	15	178.729	16	178.761	18	178.767	19	178.792	20
GR 178.812	21	178.827	22	178.838	23	178.79	24	178.761	24.58

;Transect created from transect line: 41

NC 0.04	0.04	0.035							
X1 E49		22	6	16	0.0	0.0	0	0	0
GR 180.53	0	180.556	3	180.563	4	180.565	5	180.541	6
GR 180.479	7	180.366	8	180.204	9	180.029	10	179.899	11
GR 179.866	12	179.95	13	180.131	14	180.359	15	180.577	16
GR 180.747	17	180.868	18	180.931	19	180.963	20	180.978	21
GR 180.983	22	180.978	22.94						

;Transect created from transect line: 26

NC 0.04	0.04	0.035							
X1 E5		26	12	23	0.0	0.0	0	0	0
GR 182.589	0	182.619	7	182.626	8	182.631	9	182.635	10
GR 182.636	11	182.628	12	182.6	13	182.542	14	182.447	15
GR 182.312	16	182.18	17	182.084	18	182.062	19	182.131	20
GR 182.287	21	182.494	22	182.707	23	182.888	24	183.022	25
GR 183.11	26	183.162	27	183.193	28	183.21	29	183.218	30
GR 183.216	30.22								

;Transect created from transect line: 27

NC 0.04	0.04	0.035							
X1 E6		30	12	23	0.0	0.0	0	0	0
GR 181.976	0	181.979	1	181.986	4	181.991	5	181.999	7
GR 182.001	8	182.001	9	182.006	10	182.006	11	182	12
GR 181.982	13	181.944	14	181.882	15	181.809	16	181.748	17
GR 181.727	18	181.765	19	181.864	20	182.008	21	182.168	22
GR 182.339	23	182.467	24	182.571	25	182.654	26	182.719	27
GR 182.766	28	182.797	29	182.814	30	182.819	31	182.819	31.33

;Transect created from transect line: 28

NC 0.04	0.04	0.035							
X1 E7		22	2	18	0.0	0.0	0	0	0
GR 182.519	0	182.436	1	182.404	2	182.336	3	182.169	4
GR 181.974	5	181.523	6	181.323	7	181.308	8	181.311	9
GR 181.342	10	181.501	11	181.73	12	181.828	13	181.98	14
GR 182.108	15	182.185	16	182.319	17	182.404	18	182.449	19
GR 182.498	20	182.498	20						

;Transect created from transect line: 29

NC 0.04	0.04	0.035							
X1 E8		24	7	17	0.0	0.0	0	0	0
GR 182.023	0	182.012	1	181.997	2	181.978	3	181.956	4
GR 181.929	5	181.901	6	181.87	7	181.83	8	181.776	9
GR 181.704	10	181.616	11	181.531	12	181.478	13	181.484	14
GR 181.566	15	181.706	16	181.878	17	182.048	18	182.195	19
GR 182.311	20	182.396	21	182.454	22	182.454	22.43		

;Averaged transect, created from transects:

;30, 31

NC 0.04	0.04	0.035							
X1 E9		28	10	21	0.0	0.0	0	0	0
GR 181.69	0	181.692	1	181.692	3	181.686	5	181.681	6
GR 181.675	7	181.668	8	181.66	9	181.645	10	181.618	11
GR 181.572	12	181.502	13	181.414	14	181.328	15	181.269	16
GR 181.272	17	181.339	18	181.463	19	181.618	20	181.775	21
GR 181.91	22	182.016	23	182.092	24	182.142	25	182.174	26
GR 182.192	27	182.201	28	182.201	28.73				

NC 0.035	0.013	0.035							
X1 ETLD_21		15	0.0	13	0.0	0.0	0.0	0.0	0.0
GR 176.835	0	176.736	1	176.575	2	176.338	3	176.027	4
GR 175.686	5	175.394	6	175.234	7	175.255	8	175.446	9
GR 175.75	10	176.079	11	176.358	12	176.555	13	176.672	14

NC 0.035	0.013	0.035							
X1 ETLD_22		16	0	13	0.0	0.0	0.0	0.0	0.0
GR 176.714	0	176.686	1	176.623	2	176.498	3	176.281	4
GR 175.97	5	175.616	6	175.314	7	175.155	8	175.19	9
GR 175.402	10	175.72	11	176.046	12	176.306	13	176.476	14
GR 176.567	15								

NC 0.035	0.013	0.035							
X1 ETLD_23		15	0	13	0.0	0.0	0.0	0.0	0.0
GR 176.273	0	176.241	1	176.18	2	176.079	3	175.918	4
GR 175.698	5	175.45	6	175.242	7	175.139	8	175.179	9
GR 175.359	10	175.633	11	175.925	12	176.171	13	176.343	14

NC 0.035	0.013	0.035							
X1 ETLD_24		15	0	13	0.0	0.0	0.0	0.0	0.0
GR 176.455	0	176.416	1	176.336	2	176.191	3	175.97	4
GR 175.69	5	175.404	6	175.192	7	175.113	8	175.186	9
GR 175.388	10	175.66	11	175.923	12	176.14	13	176.283	14

NC 0.035	0.013	0.035							
X1 ETLD_25		15	0	13	0.0	0.0	0.0	0.0	0.0
GR 176.322	0	176.292	1	176.248	2	176.166	3	176.029	4
GR 175.828	5	175.587	6	175.358	7	175.212	8	175.192	9
GR 175.181	10	175.415	11	175.69	12	175.94	13	176.129	14

NC 0.035	0.013	0.035							
X1 ETLD_26		15	0.0	13	0.0	0.0	0.0	0.0	0.0
GR 176.266	0	176.236	1	176.19	2	176.104	3	175.953	4
GR 175.725	5	175.409	6	175.149	7	174.995	8	174.998	9
GR 175.16	10	175.434	11	175.737	12	175.997	13	176.18	14

NC 0.035	0.013	0.035							
X1 ETLD_41		16	0.0	13	0.0	0.0	0.0	0.0	0.0
GR 176.248	0	176.176	1	176.068	2	175.898	3	175.654	4
GR 175.351	5	175.019	6	174.813	7	174.759	8	174.874	9
GR 175.126	10	175.44	11	175.736	12	175.963	13	176.111	14
GR 176.192	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-01		16	0	13	0.0	0.0	0	0	0
GR 176.793	0	176.705	1	176.535	2	176.284	3	175.978	4
GR 175.679	5	175.467	6	175.406	7	175.531	8	175.799	9
GR 176.137	10	176.455	11	176.692	12	176.838	13	176.909	14
GR 176.909	14.13								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-20		17	1	14	0.0	0.0	0	0	0
GR 176.85	0	176.791	1	176.707	2	176.587	3	176.423	4
GR 176.224	5	175.809	6	175.61	7	175.522	8	175.567	9
GR 175.733	10	175.981	11	176.246	12	176.479	13	176.65	14
GR 176.757	15	176.757	15.09						

;TAKEN FROM SSA MODEL

NC 0.04	0.04	0.035							
X1 ETLD_XS-35		13	-3.35	3.356	0.0	0.0	0	0	0
GR 176.24	-23.241	176.41	-11.096	176.43	-5.274	176.16	-3.35	174.53	-1.31
GR 174.21	-0.999	174.21	0	174.21	1	174.54	1.415	176.08	3.356
GR 176.3	5.797	176.35	8.946	176.27	12.148				

NC 0.04	0.04	0.035							
X1 ETLD_XS-40		16	0	15	0.0	0.0	0	0	0
GR 176.313	0	176.29	1	176.248	2	176.169	3	176.038	4
GR 175.856	5	175.661	6	175.512	7	175.463	8	175.537	9
GR 175.703	10	175.901	11	176.072	12	176.186	13	176.247	14
GR 176.271	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-45		15	0	13	0.0	0.0	0	0	0
GR 176.102	0	176.056	1	175.942	2	175.771	3	175.521	4
GR 175.218	5	174.931	6	174.742	7	174.703	8	174.826	9
GR 175.078	10	175.387	11	175.673	12	175.892	13	176.034	14

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-50		15	0	13	0.0	0.0	0	0	0
GR 176.099	0	176.059	1	175.983	2	175.85	3	175.646	4
GR 175.38	5	175.094	6	174.858	7	174.735	8	174.759	9
GR 174.924	10	175.189	11	175.486	12	175.767	13	175.96	14

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-55		15	0	13	0.0	0.0	0	0	0
GR 175.924	0	175.894	1	175.836	2	175.729	3	175.557	4
GR 175.319	5	175.021	6	174.791	7	174.663	8	174.676	9
GR 174.831	10	175.091	11	175.389	12	175.66	13	175.866	14

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-60		15	0	13	0.0	0.0	0	0	0
GR 175.979	0	175.927	1	175.83	2	175.672	3	175.444	4
GR 175.17	5	174.906	6	174.725	7	174.678	8	174.78	9
GR 175.006	10	175.309	11	175.588	12	175.807	13	175.95	14

;TAKEN FROM SSA MODEL

NC 0.035	0.013	0.035							
X1 ETLD_XS-65		16	0	13	0.0	0.0	0	0	0
GR 175.925	0	175.91	1	175.856	2	175.74	3	175.546	4
GR 175.281	5	174.996	6	174.767	7	174.664	8	174.719	9
GR 174.919	10	175.207	11	175.502	12	175.757	13	175.913	14
GR 175.996	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-70		16	0	13	0.0	0.0	0	0	0
GR 175.925	0	175.881	1	175.784	2	175.615	3	175.369	4
GR 175.078	5	174.807	6	174.629	7	174.59	8	174.7	9
GR 174.932	10	175.225	11	175.505	12	175.726	13	175.876	14

GR 175.954 15

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-75	15	0	13	0.0	0.0	0	0	0	0
GR 176.188	0	176.104	1	175.948	2	175.707	3	175.392	4
GR 175.052	5	174.757	6	174.576	7	174.546	8	174.668	9
GR 174.912	10	175.213	11	175.503	12	175.744	13	175.89	14

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-80	16	0	13	0.0	0.0	0	0	0	0
GR 176.089	0	175.993	1	175.846	2	175.632	3	175.354	4
GR 175.045	5	174.762	6	174.573	7	174.524	8	174.628	9
GR 174.864	10	175.17	11	175.474	12	175.726	13	175.886	14
GR 175.976	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-85	16	0	13	0.0	0.0	0	0	0	0
GR 176.146	0	176.099	1	176.005	2	175.839	3	175.591	4
GR 175.278	5	174.954	6	174.698	7	174.572	8	174.617	9
GR 174.815	10	175.112	11	175.428	12	175.694	13	175.876	14
GR 175.978	15								

;TAKEN FROM TRANSECT

NC 0.035	0.013	0.035							
X1 ETLD_XS-90	15	0	13	0.0	0.0	0	0	0	0
GR 176.037	0	175.988	1	175.881	2	175.698	3	175.44	4
GR 175.139	5	174.855	6	174.655	7	174.588	8	174.672	9
GR 174.886	10	175.178	11	175.475	12	175.72	13	175.888	14

;Transect created from transect line: 16

NC 0.04	0.04	0.035							
X1 L1	37	0	35	0.0	0.0	0	0	0	0
GR 176.462	0	176.504	1	176.535	2	176.551	3	176.498	4
GR 176.335	5	176.096	6	175.756	7	175.419	8	175.221	9
GR 174.799	10	174.578	11	174.262	12	173.984	13	173.828	14
GR 173.6	15	173.266	16	173.253	17	173.247	18	173.284	19
GR 173.287	20	173.328	21	173.695	22	174.083	23	174.458	24
GR 174.694	25	174.829	26	175.25	27	175.507	28	175.776	29
GR 176.052	30	176.259	31	176.489	32	176.715	33	176.832	34
GR 176.918	35	176.961	35.19						

;Transect created from transect line: 17

NC 0.04	0.04	0.035							
X1 L2	39	0	37.51	0.0	0.0	0	0	0	0
GR 176.307	0	176.329	1	176.319	2	176.333	3	176.315	4
GR 176.269	5	176.084	6	175.928	7	175.778	8	175.521	9
GR 175.171	10	175.03	11	174.752	12	174.374	13	174.112	14
GR 173.77	15	173.383	16	173.291	17	173.284	18	173.265	19
GR 173.254	20	173.282	21	173.688	22	173.98	23	174.368	24
GR 174.701	25	175.052	26	175.16	27	175.56	28	175.785	29
GR 175.941	30	176.15	31	176.169	32	176.17	33	176.155	34
GR 176.164	35	176.18	36	176.203	37	176.192	37.51		

;Transect created from transect line: 19

NC 0.04	0.04	0.035							
X1 L3	33	0	35.89	0.0	0.0	0	0	0	0
GR 175.707	0	175.702	1	175.586	2	175.412	3	175.321	4
GR 175.245	5	175.048	6	174.873	7	174.684	8	174.537	9
GR 174.446	10	174.227	11	173.974	12	173.669	13	173.398	14
GR 173.291	15	173.29	16	173.29	20	173.281	21	173.505	22
GR 173.845	23	174.154	24	174.546	25	174.777	26	175.032	27

GR 175.306	28	175.602	29	175.785	30	175.832	31	175.832	33
GR 175.828	34	175.875	35	175.89	35.89				

;Transect created from transect line: 18

NC 0.04	0.04	0.035							
X1 L4		37	0	35.51	0.0	0.0	0	0	0
GR 175.862	0	175.663	1	175.515	2	175.369	3	175.207	4
GR 175.059	5	174.929	6	174.791	7	174.548	8	174.389	9
GR 174.154	10	173.949	11	173.676	12	173.431	13	173.264	14
GR 173.215	15	173.235	16	173.228	17	173.218	18	173.215	19
GR 173.215	20	173.298	21	173.644	22	174.006	23	174.397	24
GR 174.71	25	174.996	26	175.242	27	175.427	28	175.593	29
GR 175.718	30	175.782	31	175.89	32	175.912	33	175.98	34
GR 175.973	35	175.987	35.51						

;Full street, width = 10m, curb = 0.15m , cross-slope = 0.02m/m, bank-slope = 0.02m/m, bank-height = 0.02m

NC 0.02	0.02	0.013							
X1 LakewoodResRd		7	4	14	0.0	0.0	0.0	0.0	0.0
GR 0.23	0	0.15	4	0	4	0.1	9	0	14
GR 0.15	14	0.23	18						

NC 0.035	0.035	0.013							
X1 Meander_ROW1		23	5	14	0.0	0.0	0.0	0.0	0.0
GR 176.205	0	176.09	1	175.971	2	175.895	3	175.796	4
GR 175.676	5	175.576	6	175.595	7	175.602	8	175.634	9
GR 175.641	10	175.622	11	175.612	12	175.585	13	175.697	14
GR 175.883	15	176.079	16	176.18	17	176.262	18	176.282	19
GR 176.353	20	176.383	21	176.372	21.02				

NC 0.035	0.035	0.013							
X1 Meander_ROW2		20	3	13	0.0	0.0	0.0	0.0	0.0
GR 176.119	0	176.008	1	175.958	2	175.846	3	175.657	4
GR 175.665	5	175.675	6	175.69	7	175.672	8	175.681	9
GR 175.666	10	175.634	11	175.606	12	175.829	13	175.869	14
GR 175.974	15	176.084	16	176.157	17	176.217	18	176.22	18.37

NC 0.035	0.035	0.013							
X1 Meander_ROW3		20	3	14	0.0	0.0	0.0	0.0	0.0
GR 176.018	0	175.913	1	175.783	3	175.657	4	175.667	5
GR 175.71	6	175.721	7	175.756	8	175.719	9	175.709	10
GR 175.719	11	175.757	12	175.857	13	175.949	14	176.243	15
GR 176.523	16	176.655	17	176.725	18	176.785	19	176.785	19.37

NC 0.035	0.035	0.013							
X1 Meander_ROW4		20	2	14	0.0	0.0	0.0	0.0	0.0
GR 175.932	0	175.865	1	175.778	2	175.716	3	175.702	4
GR 175.725	5	175.74	6	175.765	7	175.778	8	175.762	9
GR 175.752	10	175.759	11	175.747	12	175.799	13	175.893	14
GR 175.994	15	176.096	16	176.178	17	176.274	18	176.351	18.65

;Typical Tecumseh ROW revised beyond curbs with no boulevard slope due to lower adjacent private

NC 0.035	0.035	0.013							
X1 REV_20m_ROW		7	5.7	14.31	0.0	0.0	0.0	0.0	0.0
GR 176.521	0	176.52	5.7	176.37	5.71	176.5	10	176.37	14.3
GR 176.52	14.31	176.521	20						

NC 0.035	0.035	0.013							
X1 REVTyp_20mROW		7	5.7	14.31	0.0	0.0	0.0	0.0	0.0
GR 176.625	0	176.52	5.7	176.37	5.71	176.5	10	176.37	14.3
GR 176.52	14.31	176.625	20						

;Only paved area of road

NC 0.15	0.15	0.013							
X1 St.GregsRoad		5	0	10.51	0.0	0.0	0.0	0.0	0.0

GR	176.52	0	176.37	0.01	176.5	5.25	176.37	10.5	176.52	10.51
NC	0.04	0.04	0.035							
X1	TEC_1	5	1.7	5.02	0.0	0.0	0.0	0.0	0.0	0.0
GR	177.04	0	177.01	1.7	176.74	3.26	177.3	5.02	177.46	6.53
NC	0.04	0.04	0.035							
X1	TEC_2	5	1.88	5.9	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.94	0	176.77	1.88	176.4	3.45	177.26	5.9	177.37	7.33
NC	0.04	0.04	0.035							
X1	TEC_3	5	1.88	5.25	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.75	0	176.66	1.88	176.35	3.27	177.07	5.25	177.18	6.42
NC	0.035	0.035	0.035							
X1	TEC_4	13	5	11	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.965	0	176.957	1	176.946	2	176.912	3	176.914	4
GR	176.89	5	176.844	6	176.744	7	176.507	8	176.559	9
GR	176.926	10	177.102	11	177.347	12				
NC	0.04	0.04	0.035							
X1	Transect_ETLD	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.814	0	176.793	1	176.705	2	176.535	3	176.284	4
GR	175.978	5	175.679	6	175.453	7	175.406	8	175.531	9
GR	175.799	10	176.137	11	176.455	12	176.692	13	176.838	14
NC	0.04	0.04	0.035							
X1	Transect_ETLD1	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.835	0	176.736	1	176.575	2	176.338	3	176.027	4
GR	175.686	5	175.394	6	175.234	7	175.255	8	175.446	9
GR	175.75	10	176.079	11	176.358	12	176.555	13	176.672	14
NC	0.04	0.04	0.035							
X1	Transect_ETLD2	16	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.714	0	176.686	1	176.623	2	176.498	3	176.281	4
GR	175.97	5	175.616	6	175.314	7	175.155	8	175.19	9
GR	175.402	10	175.72	11	176.046	12	176.306	13	176.476	14
GR	176.567	15								
NC	0.04	0.04	0.035							
X1	Transect_ETLD3	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.369	0	176.326	1	176.274	2	176.181	3	176.034	4
GR	175.838	5	175.624	6	175.449	7	175.369	8	175.41	9
GR	175.561	10	175.78	11	176.01	12	176.203	13	176.33	14
NC	0.04	0.04	0.035							
X1	Transect_ETLD4	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.455	0	176.416	1	176.336	2	176.191	3	175.97	4
GR	175.69	5	175.404	6	175.192	7	175.113	8	175.186	9
GR	175.388	10	175.66	11	175.923	12	176.14	13	176.283	14
NC	0.04	0.04	0.035							
X1	Transect_ETLD5	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.322	0	176.292	1	176.248	2	176.166	3	176.029	4
GR	175.828	5	175.587	6	175.358	7	175.212	8	175.192	9
GR	175.181	10	175.415	11	175.69	12	175.94	13	176.129	14
NC	0.04	0.04	0.035							
X1	Transect_ETLD6	15	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0
GR	176.266	0	176.236	1	176.19	2	176.104	3	175.953	4
GR	175.725	5	175.409	6	175.149	7	174.995	8	174.998	9
GR	175.16	10	175.434	11	175.737	12	175.997	13	176.18	14
NC	0.04	0.04	0.035							

X1	Transect_ETLD7	16	0.0	15	0.0	0.0	0.0	0.0	0.0
GR	176.16_0	176.097	1	175.993	2	175.828	3	175.59	4
GR	175.296_5	174.985	6	174.774	7	174.705	8	174.801	9
GR	175.038_10	175.352	11	175.661	12	175.906	13	176.068	14
GR	176.156_15								
NC	0.04_0.04	0.035							
X1	Transect_ETLD8	15	0.0	14	0.0	0.0	0.0	0.0	0.0
GR	176.102_0	176.056	1	175.942	2	175.771	3	175.521	4
GR	175.218_5	174.931	6	174.742	7	174.703	8	174.826	9
GR	175.078_10	175.387	11	175.673	12	175.892	13	176.034	14
NC	0.04_0.04	0.035							
X1	TransectETLD3	16	0.0	15	0.0	0.0	0.0	0.0	0.0
GR	176.16_0	176.097	1	175.993	2	175.828	3	175.59	4
GR	175.296_5	174.985	6	174.774	7	174.705	8	174.801	9
GR	175.038_10	175.352	11	175.661	12	175.906	13	176.068	14
GR	176.156_15								
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch1	6	0.5	7.68	0.0	0.0	0.0	0.0	0.0
GR	177.7_0	177.72	0.5	177.31	1.33	177.09	2.25	177.29	2.63
GR	178.36_7.68								
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch10	5	0	7.68	0.0	0.0	0.0	0.0	0.0
GR	178.05_0	177.8	0.5	176.83	1.33	176.82	2.63	178.62	7.68
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch11	6	0	7.68	0.0	0.0	0.0	0.0	0.0
GR	177.77_0	177.58	0.5	176.78	1.33	176.28	2.25	176.83	2.63
GR	178.66_7.68								
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch12	6	0.5	7.68	0.0	0.0	0.0	0.0	0.0
GR	177.65_0	177.74	0.5	176.73	1.33	176.69	2.25	176.85	2.63
GR	178.73_7.68								
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch2	6	0	7.68	0.0	0.0	0.0	0.0	0.0
GR	177.99_0	177.88	0.5	177.21	1.33	176.93	2.25	177.23	2.63
GR	178.44_7.68								
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch3	5	0	7.68	0.0	0.0	0.0	0.0	0.0
GR	177.98_0	177.8	0.5	176.88	2.25	177.12	2.63	178.38	7.68
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch4	6	0	7.68	0.0	0.0	0.0	0.0	0.0
GR	177.91_0	177.83	0.5	176.96	1.33	176.5	2.25	177.07	2.63
GR	178.48_7.68								
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch5	6	0.5	7.68	0.0	0.0	0.0	0.0	0.0
GR	177.7_0	177.86	0.5	176.94	1.33	176.46	2.25	176.96	2.63
GR	178.52_7.68								
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch6	6	0	7.68	0.0	0.0	0.0	0.0	0.0
GR	178.04_0	177.86	0.5	176.93	1.33	176.49	2.25	176.94	2.63
GR	178.45_7.68								
NC	0.04_0.04	0.025							
X1	VIA-Rail_Ditch7	6	0	7.68	0.0	0.0	0.0	0.0	0.0

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GR 177.8    0      177.7    0.5      176.66    1.33      176.46    2.25      176.86    2.63
GR 178.52   7.68

NC 0.04     0.04     0.025
X1 VIA-Rail_Ditch8 6      0.5      7.68     0.0      0.0      0.0      0.0      0.0      0.0
GR 177.62   0      177.79    0.5      176.74    1.33      176.33    2.25      176.9     2.63
GR 178.58   7.68

NC 0.04     0.04     0.025
X1 VIA-Rail_Ditch9 6      0        7.68     0.0      0.0      0.0      0.0      0.0      0.0
GR 177.73   0      177.55    0.5      176.66    1.33      176.36    2.25      176.81    2.63
GR 178.56   7.68

```

[LOSSES]

```

;;Link          Inlet      Outlet      Average      Flap Gate  SeepageRate
;;-----
1                0.5        0.5        0            NO         0
1022             0.5        0.5        0            NO         0
1023             0.5        0.5        0            NO         0
1027             0.5        0.5        0            NO         0
1030             0.5        0.5        0            NO         0
1032             0.5        0.5        0            NO         0
1037             0.5        0.5        0            NO         0
1038             0.5        0.5        0            NO         0
1069             0.5        0.5        0            NO         0
1073             0.5        0.5        0            NO         0

```

.....

Too many conduit entities (149019 in total).

[INFLOWS]

```

;;
;;Node          Parameter      Time Series      Param  Units  Scale  Baseline  Baseline
;;-----
MRSPA_OUT      FLOW          MRSPA_C100_4    FLOW   1.0    1      0

```

[CURVES]

```

;;Name          Type      X-Value      Y-Value
;;-----
BG_PS1          Pump2     0            0
BG_PS1          Pump2     0.01         0.02015
BG_PS1          Pump2     4            0.02015

```

;confirm max. PS outflow (tihamer)

```

BG_PS2          Pump2     0            0
BG_PS2          Pump2     0.1         0
BG_PS2          Pump2     1.88        0
BG_PS2          Pump2     1.89        0.022
BG_PS2          Pump2     4.26        0.022

```

;Taken from Fairbanks Morse Certified Performance Pump Curve from O&M Manual for PS

```

BRIGHTON_P1_P2_P3_P4 Pump3     3.32        0.965
BRIGHTON_P1_P2_P3_P4 Pump3     3.72        0.934
BRIGHTON_P1_P2_P3_P4 Pump3     4.24        0.899
BRIGHTON_P1_P2_P3_P4 Pump3     4.6         0.871
BRIGHTON_P1_P2_P3_P4 Pump3     5.09        0.832
BRIGHTON_P1_P2_P3_P4 Pump3     5.43        0.789
BRIGHTON_P1_P2_P3_P4 Pump3     5.55        0.751
BRIGHTON_P1_P2_P3_P4 Pump3     5.79        0.722
BRIGHTON_P1_P2_P3_P4 Pump3     5.94        0.675
BRIGHTON_P1_P2_P3_P4 Pump3     6.1         0.643

```

;Taken from Fairbanks Morse Certified Performance Pump Curve from O&M Manual for PS

```

BRIGHTON_P5_P6   Pump3     5.49        0.094
BRIGHTON_P5_P6   Pump3     5.94        0.091

```

BRIGHTON_P5_P6	6.4	0.087
BRIGHTON_P5_P6	6.71	0.084
BRIGHTON_P5_P6	6.86	0.082
BRIGHTON_P5_P6	7.32	0.078
BRIGHTON_P5_P6	7.5	0.075
BRIGHTON_P5_P6	7.77	0.069
BRIGHTON_P5_P6	7.92	0.061
BRIGHTON_P5_P6	8.23	0.05
BRIGHTON_P5_P6	8.53	0.025
BRIGHTON_P5_P6	8.84	0.02
BRIGHTON_P5_P6	9.14	0.013
BRIGHTON_P5_P6	9.75	0.008
BRIGHTON_P5_P6	10.67	0

;For Climate Change_Rev8_100yr4Hr+40: PS Cap. reduced to 2.2 cms from 3 cms

CC_FUT_PJ_CECILE_PS1 Pump2	0	0
CC_FUT_PJ_CECILE_PS1	0.01	2.2
CC_FUT_PJ_CECILE_PS1	5.33	2.2

;upgraded scully/st. marks PS for climate change/

CC_SCULLY/ST.MARKS_MERGEDPS Pump2	0	0
CC_SCULLY/ST.MARKS_MERGEDPS	0.01	6
CC_SCULLY/ST.MARKS_MERGEDPS	5.789	6

E_ST_LOUIS_P1 Pump2	0	0
E_ST_LOUIS_P1	0.39	0
E_ST_LOUIS_P1	0.4	1.415
E_ST_LOUIS_P1	6.799	1.415

E_ST_LOUIS_P2 Pump2	0	0
E_ST_LOUIS_P2	0.73	0
E_ST_LOUIS_P2	0.74	1.415
E_ST_LOUIS_P2	6.799	1.415

E_ST_LOUIS_P3 Pump2	0	0
E_ST_LOUIS_P3	1.25	0
E_ST_LOUIS_P3	1.26	1.415
E_ST_LOUIS_P3	6.799	1.415

EXIST_PJ_CECILE_PS1 Pump2	0	0
EXIST_PJ_CECILE_PS1	0.01	0.857
EXIST_PJ_CECILE_PS1	5.33	0.857

;Assumed Existing PS capacity based on capacity of inlet sewer. No known information on PS flows.

EXIST_SCULLY_PS1 Pump2	0	1.005
EXIST_SCULLY_PS1	5.789	1.005

;Assumed Existing PS capacity based on capacity of inlet sewer. No known information on PS flows

EXIST_ST_MARKS_PS1 Pump2	0	0
EXIST_ST_MARKS_PS1	0.01	0.315
EXIST_ST_MARKS_PS1	6.35	0.315

FUT_CC_E.ST.LOUIS_PS Pump2	0	0
FUT_CC_E.ST.LOUIS_PS	0.01	2
FUT_CC_E.ST.LOUIS_PS	0.4	2
FUT_CC_E.ST.LOUIS_PS	6.799	2

FUT_CC_LESP_PS1 Pump2	0	0
FUT_CC_LESP_PS1	0.01	4
FUT_CC_LESP_PS1	3	6
FUT_CC_LESP_PS1	6	9
FUT_CC_LESP_PS1	9.58	9

FUT_CC_W_ST.LOUIS Pump2	0	0
-------------------------	---	---

FUT_CC_W_ST.LOUIS		0.01	3.5
FUT_CC_W_ST.LOUIS		0.4	3.5
FUT_CC_W_ST.LOUIS		7.4428	3.5

FUT_LESP_PS1	Pump2	0	0
FUT_LESP_PS1		0.01	4
FUT_LESP_PS1		3	6
FUT_LESP_PS1		6	8
FUT_LESP_PS1		9.58	8

FUT_W_ST_LOUIS_P1	Pump2	0	0
FUT_W_ST_LOUIS_P1		0.39	0
FUT_W_ST_LOUIS_P1		0.4	2.5
FUT_W_ST_LOUIS_P1		7.4428	2.5

FUT_W_ST_LOUIS_P2	Pump2	0	0
FUT_W_ST_LOUIS_P2		0.732	0
FUT_W_ST_LOUIS_P2		0.733	2.5
FUT_W_ST_LOUIS_P2		7.4428	2.5

;Assumed existing PS capacity
;MUST CONFIRM IF PUMP IS ALWAYS ON LAG OR IS IT JUST EMERGENCY
;Lead Screw Pump

LESP_PS1	Pump2	0	0
LESP_PS1		0.38	0
LESP_PS1		0.39	5.66
LESP_PS1		8.38	5.66

;LEAD AUX.

LESP_PS2	Pump2	0	0
LESP_PS2		2.8	0
LESP_PS2		2.81	2.83
LESP_PS2		8.2	2.83

;LAG AUX.

LESP_PS3	Pump2	0	0
LESP_PS3		3.8	0
LESP_PS3		3.81	2.83
LESP_PS3		8.2	2.83

;Taken from KSB Vertical Pump Curves from O&M Manual for PS

MANNING_P1_P2_P3_P4	Pump3	1.5	2.87
MANNING_P1_P2_P3_P4		2.5	2.77
MANNING_P1_P2_P3_P4		3.5	2.64
MANNING_P1_P2_P3_P4		4.5	2.47
MANNING_P1_P2_P3_P4		5.5	2.325
MANNING_P1_P2_P3_P4		6.5	2.125
MANNING_P1_P2_P3_P4		7.5	1.88
MANNING_P1_P2_P3_P4		8	1.72

;Taken from KSB Submersible Pump Curves from O&M Manual for PS

MANNING_P5_P6	Pump3	4.5	0.165
MANNING_P5_P6		5.1	0.16
MANNING_P5_P6		6	0.15
MANNING_P5_P6		6.9	0.14
MANNING_P5_P6		8.4	0.12
MANNING_P5_P6		9.9	0.1
MANNING_P5_P6		11.2	0.08
MANNING_P5_P6		13	0.06
MANNING_P5_P6		14.5	0.04
MANNING_P5_P6		16	0.02
MANNING_P5_P6		17.5	0

PROP_PJ_CECILE_PS1	Pump2	0	0
--------------------	-------	---	---

PROP_PJ_CECILE_PS1		0.01	2.125
PROP_PJ_CECILE_PS1		5.33	2.125

;Option 5 of previously completed report with updated pump rate

PROP_SCULLY/ST.MARKS_MERGEDPS	Pump2	0	0
PROP_SCULLY/ST.MARKS_MERGEDPS		0.01	4.5
PROP_SCULLY/ST.MARKS_MERGEDPS		5.789	4.5

;PROPOSED

PROP_SCULLY_PS1	Pump2	0	0
PROP_SCULLY_PS1		0.01	1.496
PROP_SCULLY_PS1		5.789	1.496

PROP_ST_MARKS_PS1	Pump2	0	0
PROP_ST_MARKS_PS1		0.01	1.605
PROP_ST_MARKS_PS1		6.27	1.605

Starwood_LS	Pump1	0	0
Starwood_LS		0.01	0.2
Starwood_LS		2.5	0.2

W_ST_LOUIS_P1	Pump2	0	0
W_ST_LOUIS_P1		0.39	0
W_ST_LOUIS_P1		0.4	1.415
W_ST_LOUIS_P1		7.4428	1.415

W_ST_LOUIS_P2	Pump2	0	0
W_ST_LOUIS_P2		0.732	0
W_ST_LOUIS_P2		0.733	1.415
W_ST_LOUIS_P2		7.4428	1.415

;Fly By CB @ 0.65%

ArbourGroveCB	Rating	0	0
ArbourGroveCB		0.05	0.02
ArbourGroveCB		0.1	0.07
ArbourGroveCB		0.15	0.17
ArbourGroveCB		0.2	0.26
ArbourGroveCB		0.25	0.41
ArbourGroveCB		0.3	0.53

;--combination of in-pipe, parking lot and swale storage (431.29 cu.m storage)

;--confirm if swale has been installed.

200_MANNING_RD	Storage	0	0
200_MANNING_RD		1.097	66.13
200_MANNING_RD		1.948	202.99
200_MANNING_RD		2.192	393.51

AGR_1	Storage	0	47
AGR_1		0.75	1066
AGR_1		1.15	15762

AGR_2	Storage	0	53
AGR_2		0.5	626
AGR_2		1.38	30262

;Existing 1.2m dia. BeachGrove PS WW to Riverside Drive Sewer

BG_WW1	Storage	0	1.14
BG_WW1		4	1.14

BRIGHTON_WW	Storage	0	61.95
BRIGHTON_WW		5.263	61.95

CC_TOWN_STO	Storage	0	1125
CC_TOWN_STO		1.524	6263

CC_TOWN_STO	1.525	10
CC_TOWN_STO	4.833	10

;Underground storage chambers + depressed park area

CC_TOWN_STO_Combined Storage	0	1064
CC_TOWN_STO_Combined	0.22	1064
CC_TOWN_STO_Combined	0.24	2504.18
CC_TOWN_STO_Combined	0.6	2407.79
CC_TOWN_STO_Combined	0.9	2288.72
CC_TOWN_STO_Combined	1.2	2095.94
CC_TOWN_STO_Combined	1.5	1795.43
CC_TOWN_STO_Combined	1.755	1064
CC_TOWN_STO_Combined	1.76	1064
CC_TOWN_STO_Combined	2.055	1064
CC_TOWN_STO_Combined	2.06	2
CC_TOWN_STO_Combined	2.56	177
CC_TOWN_STO_Combined	3.01	560

;January 2019

CC_TOWN_STO_Combined Reduced Storage	0	599.698
CC_TOWN_STO_Combined Reduced	0.025	599.698
CC_TOWN_STO_Combined Reduced	0.051	599.698
CC_TOWN_STO_Combined Reduced	0.076	599.698
CC_TOWN_STO_Combined Reduced	0.102	599.698
CC_TOWN_STO_Combined Reduced	0.127	599.698
CC_TOWN_STO_Combined Reduced	0.152	599.698
CC_TOWN_STO_Combined Reduced	0.178	599.698
CC_TOWN_STO_Combined Reduced	0.203	599.698
CC_TOWN_STO_Combined Reduced	0.229	599.698
CC_TOWN_STO_Combined Reduced	0.254	599.698
CC_TOWN_STO_Combined Reduced	0.279	599.698
CC_TOWN_STO_Combined Reduced	0.305	599.698
CC_TOWN_STO_Combined Reduced	0.33	1235.828
CC_TOWN_STO_Combined Reduced	0.356	1232.669
CC_TOWN_STO_Combined Reduced	0.381	1230.463
CC_TOWN_STO_Combined Reduced	0.406	1228.099
CC_TOWN_STO_Combined Reduced	0.432	1225.578
CC_TOWN_STO_Combined Reduced	0.457	1222.918
CC_TOWN_STO_Combined Reduced	0.483	1220.121
CC_TOWN_STO_Combined Reduced	0.508	1217.159
CC_TOWN_STO_Combined Reduced	0.533	1214.031
CC_TOWN_STO_Combined Reduced	0.559	1210.734
CC_TOWN_STO_Combined Reduced	0.584	1207.269
CC_TOWN_STO_Combined Reduced	0.61	1203.631
CC_TOWN_STO_Combined Reduced	0.635	1199.819
CC_TOWN_STO_Combined Reduced	0.66	1195.832
CC_TOWN_STO_Combined Reduced	0.686	1191.663
CC_TOWN_STO_Combined Reduced	0.711	1187.313
CC_TOWN_STO_Combined Reduced	0.737	1182.777
CC_TOWN_STO_Combined Reduced	0.762	1178.077
CC_TOWN_STO_Combined Reduced	0.787	1173.398
CC_TOWN_STO_Combined Reduced	0.813	1168.132
CC_TOWN_STO_Combined Reduced	0.838	1162.697
CC_TOWN_STO_Combined Reduced	0.864	1157.187
CC_TOWN_STO_Combined Reduced	0.889	1151.449
CC_TOWN_STO_Combined Reduced	0.914	1145.496
CC_TOWN_STO_Combined Reduced	0.94	1139.323
CC_TOWN_STO_Combined Reduced	0.965	1132.91
CC_TOWN_STO_Combined Reduced	0.991	1126.261
CC_TOWN_STO_Combined Reduced	1.016	1119.41
CC_TOWN_STO_Combined Reduced	1.041	1112.277
CC_TOWN_STO_Combined Reduced	1.067	1104.88
CC_TOWN_STO_Combined Reduced	1.092	1097.207
CC_TOWN_STO_Combined Reduced	1.118	1089.25

CC_TOWN_STO_Combined_Reduced		1.143	1080.998
CC_TOWN_STO_Combined_Reduced		1.168	1072.434
CC_TOWN_STO_Combined_Reduced		1.194	1063.528
CC_TOWN_STO_Combined_Reduced		1.219	1054.283
CC_TOWN_STO_Combined_Reduced		1.245	1044.626
CC_TOWN_STO_Combined_Reduced		1.27	1034.641
CC_TOWN_STO_Combined_Reduced		1.295	1024.215
CC_TOWN_STO_Combined_Reduced		1.321	1013.313
CC_TOWN_STO_Combined_Reduced		1.346	1001.919
CC_TOWN_STO_Combined_Reduced		1.372	990.012
CC_TOWN_STO_Combined_Reduced		1.397	977.511
CC_TOWN_STO_Combined_Reduced		1.422	964.415
CC_TOWN_STO_Combined_Reduced		1.448	950.64
CC_TOWN_STO_Combined_Reduced		1.473	936.098
CC_TOWN_STO_Combined_Reduced		1.499	920.633
CC_TOWN_STO_Combined_Reduced		1.524	904.086
CC_TOWN_STO_Combined_Reduced		1.549	886.332
CC_TOWN_STO_Combined_Reduced		1.575	867.293
CC_TOWN_STO_Combined_Reduced		1.6	846.331
CC_TOWN_STO_Combined_Reduced		1.626	822.863
CC_TOWN_STO_Combined_Reduced		1.651	795.892
CC_TOWN_STO_Combined_Reduced		1.676	762.92
CC_TOWN_STO_Combined_Reduced		1.702	711.081
CC_TOWN_STO_Combined_Reduced		1.727	666.124
CC_TOWN_STO_Combined_Reduced		1.753	651.234
CC_TOWN_STO_Combined_Reduced		1.778	640.073
CC_TOWN_STO_Combined_Reduced		1.803	627.923
CC_TOWN_STO_Combined_Reduced		1.829	609.564
CC_TOWN_STO_Combined_Reduced		1.854	599.698
CC_TOWN_STO_Combined_Reduced		1.88	599.698
CC_TOWN_STO_Combined_Reduced		1.905	599.698
CC_TOWN_STO_Combined_Reduced		1.93	599.698
CC_TOWN_STO_Combined_Reduced		1.956	599.698
CC_TOWN_STO_Combined_Reduced		1.981	599.698
CC_TOWN_STO_Combined_Reduced		2.007	599.698
CC_TOWN_STO_Combined_Reduced		2.032	599.698
CC_TOWN_STO_Combined_Reduced		2.057	599.698
CC_TOWN_STO_Combined_Reduced		2.06	2
CC_TOWN_STO_Combined_Reduced		2.56	177
CC_TOWN_STO_Combined_Reduced		3.01	560

ESTL_DISCHARGECHAMBER Storage	0	13.068
ESTL_DISCHARGECHAMBER	4.99	13.068

ESTL_WW Storage	0	90.8
ESTL_WW	5.529	90.8

FUT_LESP_PS Storage	0	64.68
FUT_LESP_PS	8.5	64.68

FUT_MH28 Storage	0	1.14
FUT_MH28	3.794	1.14
FUT_MH28	3.795	9999999

FUT_MH30 Storage	0	1.14
FUT_MH30	3.598	1.14
FUT_MH30	3.599	9999999

FUT_MH32 Storage	0	1.14
FUT_MH32	3.348	1.14
FUT_MH32	3.349	9999999

FUT_MH34 Storage	0	1.14
FUT_MH34	2.937	1.14

FUT_MH34		2.938	9999999
FUT_MH36	Storage	0	1.14
FUT_MH36		2.803	1.14
FUT_MH36		2.804	9999999
FUT_MH38	Storage	0	1.14
FUT_MH38		2.469	1.14
FUT_MH38		2.47	9999999
FUT_MH40	Storage	0	1.14
FUT_MH40		2.113	1.14
FUT_MH40		2.114	9999999
;Screw Pump Wet Well			
LESP_WW1	Storage	0	64.68
LESP_WW1		8.38	64.68
;WET WELL VOLUME FOR SUBMERSIBLE PUMP 1 & 2			
LESP_WW2	Storage	0	13.44
LESP_WW2		11.6	13.44
MANNING_AUX.WW	Storage	0	18.7
MANNING_AUX.WW		8.45	18.7
MANNING_WW	Storage	0	234.9
MANNING_WW		7.75	234.9
OUTLET_POOL	Storage	0	43
OUTLET_POOL		0.24	177
OUTLET_POOL		0.91	273
OUTLET_POOL		1.23	388
Park_STO_rev	Storage	0	1600
Park_STO_rev		0.22	1600
Park_STO_rev		0.24	2819.2
Park_STO_rev		0.6	2737.6
Park_STO_rev		0.9	2636.8
Park_STO_rev		1.2	2473.6
Park_STO_rev		1.5	2219.2
Park_STO_rev		1.755	1600
Park_STO_rev		1.76	1600
Park_STO_rev		2.055	1600
Park_STO_Surface	Storage	0	2.2
Park_STO_Surface		1.36	2.2
Park_STO_Surface		1.365	5400
Park_STO_Surface		2.16	8000
Park_STO2	Storage	0	1736
Park_STO2		0.22	1736
Park_STO2		0.24	4168.304
Park_STO2		0.6	4005.512
Park_STO2		0.9	3804.416
Park_STO2		1.2	3478.832
Park_STO2		1.788	2971.304
Park_STO3	Storage	0	2000
Park_STO3		0.22	2000
Park_STO3		0.24	5429
Park_STO3		0.6	5199.5
Park_STO3		0.9	4916
Park_STO3		1.2	4457
Park_STO3		1.5	3741.5

Park_STO3		1.755	2000
Park_STO3		1.76	2000
Park_STO3		2.055	2000
;PREVIOUSLY 1960m2			
Parking_STO	Storage	0	1500
Parking_STO		1	1500
Parking_STO		1.01	1500
Parking_STO		1.593	1500
Parking_STO_MC4500	Storage	0	698.4
Parking_STO_MC4500		0.22	698.4
Parking_STO_MC4500		0.24	1631.088
Parking_STO_MC4500		0.6	1568.664
Parking_STO_MC4500		0.9	1491.552
Parking_STO_MC4500		1.2	1366.704
Parking_STO_MC4500		1.5	1172.088
Parking_STO_MC4500		1.755	698.4
Parking_STO_MC4500		1.76	698.4
Parking_STO_MC4500		2.055	698.4
Parking_STO_MC4500		2.06	1.5
Parking_STO_MC4500		2.1	1.5
PJ_CEC_WW	Storage	0	85.36
PJ_CEC_WW		5.334	85.36
SCULLY_WW	Storage	0	85.36
SCULLY_WW		5.789	85.36
SiteStorage_StGregory	Storage	0	1.14
SiteStorage_StGregory		1.5	1.14
SiteStorage_StGregory		1.51	2000
SiteStorage_StGregory		1.76	2000
StGreg_Surface	Storage	0	1
StGreg_Surface		1.4	1
StGreg_Surface		1.45	3000
StGreg_Surface		2	6600
StGreg_Surface_ReducedDepth	Storage	0	1
StGreg_Surface_ReducedDepth		1.7	1
StGreg_Surface_ReducedDepth		1.75	8800
StGreg_Surface_ReducedDepth		2.4	12000
STMARKS_WW	Storage	0	85.36
STMARKS_WW		6.35	85.36
;SWM pond curve for the Lakewood subdivision			
SWMPondCurve	Storage	0	1650
SWMPondCurve		0.1	1739
SWMPondCurve		0.2	1828
SWMPondCurve		0.3	1917
SWMPondCurve		0.4	2500
SWMPondCurve		0.5	2700
SWMPondCurve		0.7	2800
SWMPondCurve		0.8	2900
SWMPondCurve		1	3000
SWMPondCurve		1.7	3300
SWMPondCurve		2.23	3500
TOWN_STO	Storage	0	900
TOWN_STO		1.524	5010
TownHall_NewParking_Surface	Storage	0	1

TownHall_NewParking_Surface	1.24	1
TownHall_NewParking_Surface	1.25	4900
TownHall_NewParking_Surface	1.4	4900

TownHall_STO_SurfaceWest Storage	0	2
TownHall_STO_SurfaceWest	2.77	2
TownHall_STO_SurfaceWest	2.78	81.5
TownHall_STO_SurfaceWest	3.19	578.5
TownHall_STO_SurfaceWest	3.49	1016

```
;Wet well for West St. Louis PS
WSTL_WW          Storage    0          127.955
WSTL_WW          9.84       127.955
```

[TIMESERIES]

```
; ;Name          Date          Time          Value
; ;-----
C-10_24HR          0:00          0
C-10_24HR          0:10          0.51
C-10_24HR          0:20          0.52
C-10_24HR          0:30          0.53
C-10_24HR          0:40          0.54
C-10_24HR          0:50          0.55
C-10_24HR          1:00          0.56
C-10_24HR          1:10          0.57
C-10_24HR          1:20          0.59
C-10_24HR          1:30          0.6
C-10_24HR          1:40          0.61
C-10_24HR          1:50          0.63
C-10_24HR          2:00          0.65
C-10_24HR          2:10          0.66
C-10_24HR          2:20          0.68
C-10_24HR          2:30          0.7
C-10_24HR          2:40          0.72
C-10_24HR          2:50          0.74
C-10_24HR          3:00          0.76
C-10_24HR          3:10          0.78
C-10_24HR          3:20          0.81
C-10_24HR          3:30          0.84
C-10_24HR          3:40          0.87
C-10_24HR          3:50          0.9
C-10_24HR          4:00          0.93
C-10_24HR          4:10          0.97
C-10_24HR          4:20          1.01
C-10_24HR          4:30          1.05
C-10_24HR          4:40          1.1
C-10_24HR          4:50          1.16
C-10_24HR          5:00          1.22
C-10_24HR          5:10          1.28
C-10_24HR          5:20          1.36
C-10_24HR          5:30          1.44
C-10_24HR          5:40          1.54
C-10_24HR          5:50          1.65
C-10_24HR          6:00          1.79
C-10_24HR          6:10          1.95
C-10_24HR          6:20          2.14
C-10_24HR          6:30          2.37
C-10_24HR          6:40          2.67
C-10_24HR          6:50          3.07
C-10_24HR          7:00          3.6
C-10_24HR          7:10          4.38
C-10_24HR          7:20          5.61
C-10_24HR          7:30          7.83
C-10_24HR          7:40          12.89
```

C-10_24HR	7:50	33.9
C-10_24HR	8:00	122.96
C-10_24HR	8:10	44.98
C-10_24HR	8:20	22.86
C-10_24HR	8:30	14.89
C-10_24HR	8:40	10.93
C-10_24HR	8:50	8.6
C-10_24HR	9:00	7.08
C-10_24HR	9:10	6.01
C-10_24HR	9:20	5.23
C-10_24HR	9:30	4.63
C-10_24HR	9:40	4.15
C-10_24HR	9:50	3.77
C-10_24HR	10:00	3.45
C-10_24HR	10:10	3.18
C-10_24HR	10:20	2.96
C-10_24HR	10:30	2.76
C-10_24HR	10:40	2.59
C-10_24HR	10:50	2.44
C-10_24HR	11:00	2.31
C-10_24HR	11:10	2.19
C-10_24HR	11:20	2.09
C-10_24HR	11:30	1.99
C-10_24HR	11:40	1.9
C-10_24HR	11:50	1.83
C-10_24HR	12:00	1.75
C-10_24HR	12:10	1.69
C-10_24HR	12:20	1.63
C-10_24HR	12:30	1.57
C-10_24HR	12:40	1.52
C-10_24HR	12:50	1.47
C-10_24HR	13:00	1.42
C-10_24HR	13:10	1.38
C-10_24HR	13:20	1.34
C-10_24HR	13:30	1.3
C-10_24HR	13:40	1.27
C-10_24HR	13:50	1.23
C-10_24HR	14:00	1.2
C-10_24HR	14:10	1.17
C-10_24HR	14:20	1.14
C-10_24HR	14:30	1.12
C-10_24HR	14:40	1.09
C-10_24HR	14:50	1.07
C-10_24HR	15:00	1.04
C-10_24HR	15:10	1.02
C-10_24HR	15:20	1
C-10_24HR	15:30	0.98
C-10_24HR	15:40	0.96
C-10_24HR	15:50	0.94
C-10_24HR	16:00	0.92
C-10_24HR	16:10	0.91
C-10_24HR	16:20	0.89
C-10_24HR	16:30	0.87
C-10_24HR	16:40	0.86
C-10_24HR	16:50	0.84
C-10_24HR	17:00	0.83
C-10_24HR	17:10	0.82
C-10_24HR	17:20	0.8
C-10_24HR	17:30	0.79
C-10_24HR	17:40	0.78
C-10_24HR	17:50	0.77
C-10_24HR	18:00	0.76
C-10_24HR	18:10	0.74
C-10_24HR	18:20	0.73

C-10_24HR	18:30	0.72
C-10_24HR	18:40	0.71
C-10_24HR	18:50	0.7
C-10_24HR	19:00	0.69
C-10_24HR	19:10	0.68
C-10_24HR	19:20	0.68
C-10_24HR	19:30	0.67
C-10_24HR	19:40	0.66
C-10_24HR	19:50	0.65
C-10_24HR	20:00	0.64
C-10_24HR	20:10	0.63
C-10_24HR	20:20	0.63
C-10_24HR	20:30	0.62
C-10_24HR	20:40	0.61
C-10_24HR	20:50	0.6
C-10_24HR	21:00	0.6
C-10_24HR	21:10	0.59
C-10_24HR	21:20	0.58
C-10_24HR	21:30	0.58
C-10_24HR	21:40	0.57
C-10_24HR	21:50	0.57
C-10_24HR	22:00	0.56
C-10_24HR	22:10	0.55
C-10_24HR	22:20	0.55
C-10_24HR	22:30	0.54
C-10_24HR	22:40	0.54
C-10_24HR	22:50	0.53
C-10_24HR	23:00	0.53
C-10_24HR	23:10	0.52
C-10_24HR	23:20	0.52
C-10_24HR	23:30	0.51
C-10_24HR	23:40	0.51
C-10_24HR	23:50	0.5
C-10_24HR	24:00	0.5

C-100_24HR	0:00	0
C-100_24HR	0:10	0.66
C-100_24HR	0:20	0.67
C-100_24HR	0:30	0.69
C-100_24HR	0:40	0.7
C-100_24HR	0:50	0.72
C-100_24HR	1:00	0.73
C-100_24HR	1:10	0.75
C-100_24HR	1:20	0.77
C-100_24HR	1:30	0.78
C-100_24HR	1:40	0.8
C-100_24HR	1:50	0.82
C-100_24HR	2:00	0.84
C-100_24HR	2:10	0.87
C-100_24HR	2:20	0.89
C-100_24HR	2:30	0.91
C-100_24HR	2:40	0.94
C-100_24HR	2:50	0.97
C-100_24HR	3:00	1
C-100_24HR	3:10	1.03
C-100_24HR	3:20	1.07
C-100_24HR	3:30	1.1
C-100_24HR	3:40	1.14
C-100_24HR	3:50	1.19
C-100_24HR	4:00	1.23
C-100_24HR	4:10	1.28
C-100_24HR	4:20	1.34
C-100_24HR	4:30	1.4
C-100_24HR	4:40	1.47

C-100_24HR	4:50	1.54
C-100_24HR	5:00	1.62
C-100_24HR	5:10	1.71
C-100_24HR	5:20	1.82
C-100_24HR	5:30	1.94
C-100_24HR	5:40	2.07
C-100_24HR	5:50	2.23
C-100_24HR	6:00	2.42
C-100_24HR	6:10	2.64
C-100_24HR	6:20	2.92
C-100_24HR	6:30	3.25
C-100_24HR	6:40	3.68
C-100_24HR	6:50	4.25
C-100_24HR	7:00	5.03
C-100_24HR	7:10	6.18
C-100_24HR	7:20	8
C-100_24HR	7:30	11.31
C-100_24HR	7:40	18.95
C-100_24HR	7:50	50.14
C-100_24HR	8:00	171.94
C-100_24HR	8:10	66.41
C-100_24HR	8:20	33.95
C-100_24HR	8:30	21.97
C-100_24HR	8:40	15.98
C-100_24HR	8:50	12.47
C-100_24HR	9:00	10.18
C-100_24HR	9:10	8.59
C-100_24HR	9:20	7.42
C-100_24HR	9:30	6.53
C-100_24HR	9:40	5.84
C-100_24HR	9:50	5.27
C-100_24HR	10:00	4.81
C-100_24HR	10:10	4.42
C-100_24HR	10:20	4.09
C-100_24HR	10:30	3.81
C-100_24HR	10:40	3.57
C-100_24HR	10:50	3.35
C-100_24HR	11:00	3.16
C-100_24HR	11:10	2.99
C-100_24HR	11:20	2.84
C-100_24HR	11:30	2.71
C-100_24HR	11:40	2.59
C-100_24HR	11:50	2.47
C-100_24HR	12:00	2.37
C-100_24HR	12:10	2.28
C-100_24HR	12:20	2.19
C-100_24HR	12:30	2.11
C-100_24HR	12:40	2.04
C-100_24HR	12:50	1.97
C-100_24HR	13:00	1.91
C-100_24HR	13:10	1.85
C-100_24HR	13:20	1.79
C-100_24HR	13:30	1.74
C-100_24HR	13:40	1.69
C-100_24HR	13:50	1.65
C-100_24HR	14:00	1.6
C-100_24HR	14:10	1.56
C-100_24HR	14:20	1.52
C-100_24HR	14:30	1.48
C-100_24HR	14:40	1.45
C-100_24HR	14:50	1.42
C-100_24HR	15:00	1.38
C-100_24HR	15:10	1.35
C-100_24HR	15:20	1.33

C-100_24HR	15:30	1.3
C-100_24HR	15:40	1.27
C-100_24HR	15:50	1.25
C-100_24HR	16:00	1.22
C-100_24HR	16:10	1.2
C-100_24HR	16:20	1.18
C-100_24HR	16:30	1.15
C-100_24HR	16:40	1.13
C-100_24HR	16:50	1.11
C-100_24HR	17:00	1.09
C-100_24HR	17:10	1.08
C-100_24HR	17:20	1.06
C-100_24HR	17:30	1.04
C-100_24HR	17:40	1.02
C-100_24HR	17:50	1.01
C-100_24HR	18:00	0.99
C-100_24HR	18:10	0.98
C-100_24HR	18:20	0.96
C-100_24HR	18:30	0.95
C-100_24HR	18:40	0.94
C-100_24HR	18:50	0.92
C-100_24HR	19:00	0.91
C-100_24HR	19:10	0.9
C-100_24HR	19:20	0.89
C-100_24HR	19:30	0.87
C-100_24HR	19:40	0.86
C-100_24HR	19:50	0.85
C-100_24HR	20:00	0.84
C-100_24HR	20:10	0.83
C-100_24HR	20:20	0.82
C-100_24HR	20:30	0.81
C-100_24HR	20:40	0.8
C-100_24HR	20:50	0.79
C-100_24HR	21:00	0.78
C-100_24HR	21:10	0.77
C-100_24HR	21:20	0.76
C-100_24HR	21:30	0.75
C-100_24HR	21:40	0.75
C-100_24HR	21:50	0.74
C-100_24HR	22:00	0.73
C-100_24HR	22:10	0.72
C-100_24HR	22:20	0.71
C-100_24HR	22:30	0.71
C-100_24HR	22:40	0.7
C-100_24HR	22:50	0.69
C-100_24HR	23:00	0.69
C-100_24HR	23:10	0.68
C-100_24HR	23:20	0.67
C-100_24HR	23:30	0.67
C-100_24HR	23:40	0.66
C-100_24HR	23:50	0.65
C-100_24HR	24:00	0.65
C-100_24HR+39%	0:00	0
C-100_24HR+39%	1:00	0.97
C-100_24HR+39%	2:00	1.08
C-100_24HR+39%	3:00	1.24
C-100_24HR+39%	4:00	1.43
C-100_24HR+39%	5:00	1.71
C-100_24HR+39%	6:00	2.17
C-100_24HR+39%	7:00	2.96
C-100_24HR+39%	8:00	4.89
C-100_24HR+39%	9:00	19.59
C-100_24HR+39%	10:00	78.09

C-100_24HR+39%	11:00	9.91
C-100_24HR+39%	12:00	5.35
C-100_24HR+39%	13:00	3.71
C-100_24HR+39%	14:00	2.88
C-100_24HR+39%	15:00	2.35
C-100_24HR+39%	16:00	2.00
C-100_24HR+39%	17:00	1.75
C-100_24HR+39%	18:00	1.56
C-100_24HR+39%	19:00	1.40
C-100_24HR+39%	20:00	1.28
C-100_24HR+39%	21:00	1.17
C-100_24HR+39%	22:00	1.08
C-100_24HR+39%	23:00	1.01
C-100_24HR+39%	24:00	0.95

C-100_4HR	0:00	0
C-100_4HR	0:10	4.25
C-100_4HR	0:20	5.03
C-100_4HR	0:30	6.18
C-100_4HR	0:40	8
C-100_4HR	0:50	11.31
C-100_4HR	1:00	18.95
C-100_4HR	1:10	50.14
C-100_4HR	1:20	171.94
C-100_4HR	1:30	66.41
C-100_4HR	1:40	33.95
C-100_4HR	1:50	21.97
C-100_4HR	2:00	15.98
C-100_4HR	2:10	12.47
C-100_4HR	2:20	10.18
C-100_4HR	2:30	8.59
C-100_4HR	2:40	7.42
C-100_4HR	2:50	6.53
C-100_4HR	3:00	5.84
C-100_4HR	3:10	5.27
C-100_4HR	3:20	4.81
C-100_4HR	3:30	4.42
C-100_4HR	3:40	4.09
C-100_4HR	3:50	3.81
C-100_4HR	4:00	3.57

C-100_4HR+40%	0:00	0
C-100_4HR+40%	0:10	5.95
C-100_4HR+40%	0:20	7.042
C-100_4HR+40%	0:30	8.652
C-100_4HR+40%	0:40	11.2
C-100_4HR+40%	0:50	15.834
C-100_4HR+40%	1:00	26.53
C-100_4HR+40%	1:10	70.196
C-100_4HR+40%	1:20	240.716
C-100_4HR+40%	1:30	92.974
C-100_4HR+40%	1:40	47.53
C-100_4HR+40%	1:50	30.758
C-100_4HR+40%	2:00	22.372
C-100_4HR+40%	2:10	17.458
C-100_4HR+40%	2:20	14.252
C-100_4HR+40%	2:30	12.026
C-100_4HR+40%	2:40	10.388
C-100_4HR+40%	2:50	9.142
C-100_4HR+40%	3:00	8.176
C-100_4HR+40%	3:10	7.378
C-100_4HR+40%	3:20	6.734
C-100_4HR+40%	3:30	6.188
C-100_4HR+40%	3:40	5.726

C-100_4HR+40%	3:50	5.334
C-100_4HR+40%	4:00	4.998
C-2_24HR	0	0
C-2_24HR	0:10	0.41
C-2_24HR	0:20	0.41
C-2_24HR	0:30	0.42
C-2_24HR	0:40	0.43
C-2_24HR	0:50	0.44
C-2_24HR	1:00	0.45
C-2_24HR	1:10	0.45
C-2_24HR	1:20	0.46
C-2_24HR	1:30	0.47
C-2_24HR	1:40	0.49
C-2_24HR	1:50	0.5
C-2_24HR	2:00	0.51
C-2_24HR	2:10	0.52
C-2_24HR	2:20	0.53
C-2_24HR	2:30	0.55
C-2_24HR	2:40	0.56
C-2_24HR	2:50	0.58
C-2_24HR	3:00	0.59
C-2_24HR	3:10	0.61
C-2_24HR	3:20	0.63
C-2_24HR	3:30	0.65
C-2_24HR	3:40	0.67
C-2_24HR	3:50	0.7
C-2_24HR	4:00	0.72
C-2_24HR	4:10	0.75
C-2_24HR	4:20	0.78
C-2_24HR	4:30	0.81
C-2_24HR	4:40	0.84
C-2_24HR	4:50	0.88
C-2_24HR	5:00	0.93
C-2_24HR	5:10	0.97
C-2_24HR	5:20	1.03
C-2_24HR	5:30	1.09
C-2_24HR	5:40	1.16
C-2_24HR	5:50	1.24
C-2_24HR	6:00	1.33
C-2_24HR	6:10	1.44
C-2_24HR	6:20	1.57
C-2_24HR	6:30	1.73
C-2_24HR	6:40	1.94
C-2_24HR	6:50	2.2
C-2_24HR	7:00	2.55
C-2_24HR	7:10	3.06
C-2_24HR	7:20	3.84
C-2_24HR	7:30	5.21
C-2_24HR	7:40	8.29
C-2_24HR	7:50	21.14
C-2_24HR	8:00	83.69
C-2_24HR	8:10	28
C-2_24HR	8:20	14.3
C-2_24HR	8:30	9.5
C-2_24HR	8:40	7.11
C-2_24HR	8:50	5.69
C-2_24HR	9:00	4.75
C-2_24HR	9:10	4.09
C-2_24HR	9:20	3.6
C-2_24HR	9:30	3.21
C-2_24HR	9:40	2.91
C-2_24HR	9:50	2.66
C-2_24HR	10:00	2.45

C-2_24HR	10:10	2.28
C-2_24HR	10:20	2.13
C-2_24HR	10:30	2
C-2_24HR	10:40	1.88
C-2_24HR	10:50	1.78
C-2_24HR	11:00	1.69
C-2_24HR	11:10	1.61
C-2_24HR	11:20	1.54
C-2_24HR	11:30	1.47
C-2_24HR	11:40	1.41
C-2_24HR	11:50	1.36
C-2_24HR	12:00	1.31
C-2_24HR	12:10	1.26
C-2_24HR	12:20	1.22
C-2_24HR	12:30	1.18
C-2_24HR	12:40	1.14
C-2_24HR	12:50	1.11
C-2_24HR	13:00	1.07
C-2_24HR	13:10	1.04
C-2_24HR	13:20	1.02
C-2_24HR	13:30	0.99
C-2_24HR	13:40	0.96
C-2_24HR	13:50	0.94
C-2_24HR	14:00	0.92
C-2_24HR	14:10	0.89
C-2_24HR	14:20	0.87
C-2_24HR	14:30	0.85
C-2_24HR	14:40	0.84
C-2_24HR	14:50	0.82
C-2_24HR	15:00	0.8
C-2_24HR	15:10	0.79
C-2_24HR	15:20	0.77
C-2_24HR	15:30	0.76
C-2_24HR	15:40	0.74
C-2_24HR	15:50	0.73
C-2_24HR	16:00	0.71
C-2_24HR	16:10	0.7
C-2_24HR	16:20	0.69
C-2_24HR	16:30	0.68
C-2_24HR	16:40	0.67
C-2_24HR	16:50	0.66
C-2_24HR	17:00	0.65
C-2_24HR	17:10	0.64
C-2_24HR	17:20	0.63
C-2_24HR	17:30	0.62
C-2_24HR	17:40	0.61
C-2_24HR	17:50	0.6
C-2_24HR	18:00	0.59
C-2_24HR	18:10	0.58
C-2_24HR	18:20	0.57
C-2_24HR	18:30	0.57
C-2_24HR	18:40	0.56
C-2_24HR	18:50	0.55
C-2_24HR	19:00	0.54
C-2_24HR	19:10	0.54
C-2_24HR	19:20	0.53
C-2_24HR	19:30	0.52
C-2_24HR	19:40	0.52
C-2_24HR	19:50	0.51
C-2_24HR	20:00	0.51
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MRSPA_C100_4      8/1/2017    00:06:00    0
MRSPA_C100_4      8/1/2017    00:07:00    0
MRSPA_C100_4      8/1/2017    00:08:00    0
MRSPA_C100_4      8/1/2017    00:09:00    0
MRSPA_C100_4      8/1/2017    00:10:00    0
MRSPA_C100_4      8/1/2017    00:11:00    0
MRSPA_C100_4      8/1/2017    00:12:00    0
MRSPA_C100_4      8/1/2017    00:13:00    0
MRSPA_C100_4      8/1/2017    00:14:00    0
MRSPA_C100_4      8/1/2017    00:15:00    0
MRSPA_C100_4      8/1/2017    00:16:00    4.47056E-06

```

.....

Too many data points (7260 in total).

[REPORT]

```

INPUT          NO
CONTROLS       NO
SUBCATCHMENTS ALL
NODES          ALL
LINKS          ALL

```

[TAGS]

```

Subcatch      Coro_S116_1      CORONADO_STM
Subcatch      Coro_S116_2      CORONADO_STM
Subcatch      Coro_W182_2      CORONADO_STM
Subcatch      Coro_W182_3      CORONADO_STM
Subcatch      Coro_W182_4      CORONADO_STM
Subcatch      Coro_W632_2      CORONADO_STM
Subcatch      Coro_W632_3      CORONADO_STM
Subcatch      Coro_W632_4      CORONADO_STM
Subcatch      Coro_W633_2      CORONADO_STM
Subcatch      Coro_W650_10     CORONADO_STM

```

.....

Too many tags (211175 in total).

[MAP]

```

DIMENSIONS      343328.474993007 4682187.30711863 348504.524993007 4688897.02728007
UNITS           Meters

```

[COORDINATES]

```

;;Node          X-Coord          Y-Coord
;;-----
200Manning_STM 346025.818       4686851.827
ANNE_NP1        344769.422       4683562.129
ANNE_NP2        344861.248       4683558.297
ANNE_ST1        344760.531       4683562.5
ANNE_ST10       344685.474       4684314.662
ANNE_ST11       344667.72        4684425.626
ANNE_ST12       344664.79        4684443.956
ANNE_ST12_1    344609.759       4684430.225
ANNE_ST12_2    344535.77        4684418.883
ANNE_ST13       344647.826       4684550.226

```

.....

Too many junction entities (56802 in total).

[VERTICES]

```

;;Link          X-Coord          Y-Coord
;;-----
1038            343887.355       4686116.414
1038            343914.581       4686116.717
1073            343691.402       4686151.803
1188            344843.681       4686481.129
1288            345729.054       4687642.208
1288            345727.237       4687645.878

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135_3	345922.569	4685775.369
135_3	345921.465	4685755.776
135_4	345915.72	4685660.566
150_2	345911.178	4685584.629
16	344177.298	4688436.756
17	344169.758	4688427.761
1705	347822.087	4685953.278
1707	347932.823	4685981.643
1713	347815.05	4685834.776
1713	347817.086	4685844.384
1713	347818.145	4685853.258
1713	347818.876	4685864.003
1716	347800.435	4685806.074
1716	347803.512	4685810.174
1716	347806	4685814.128
1716	347809.807	4685820.572
190	344598.133	4685871.101
1928	347835.917	4686950.441
1930	347852.031	4686920.03
1930	347856.749	4686932.124
1932	347856.09	4686835.069
1932	347854.738	4686842.573
1932	347853.006	4686852.186
1932	347849.893	4686869.459
1932	347846.002	4686891.053
1932	347844.734	4686898.088
1945	347836.228	4686708.099
1945	347837.67	4686716.051
1945	347841.375	4686736.472
1945	347844.781	4686755.242
1945	347846.251	4686763.344
1945	347847.558	4686770.549
1945	347852.457	4686797.56
1988	347269.618	4685980.064
1990	347394.745	4685972.201
2193	347810.891	4686193.205
223	344587.093	4685855.459
2292	347908.251	4686302.207
2333	347724.705	4686996.392
2372	345918.936	4686142.39
2372	345837.913	4686141.204
2374_2	345655.807	4686138.175
2374_2	345654.936	4686138.171
2378_2	345934.99	4685939.315
2378_2	345935.863	4685953.612
2378_4	345931.607	4685889.507
2382_1	345942.326	4686029.479
2382_1	345942.377	4686030.417
2382_1	345942.41	4686030.994
2382_2	345943.854	4686057.223
2382_2	345943.915	4686058.069
2382_2	345944.02	4686059.523
2382_2	345947.426	4686107.077
2382_2	345947.565	4686109.007
24_1	344202.104	4688264.635
24_1	344187.211	4688357.731
24_1	344186.154	4688369.867
24_2	344184.245	4688392.963
24_2	344182.789	4688402.852
24_2	344178.292	4688429.093
2412	347828.993	4686534.408
2412	347832.292	4686557.254
2412	347836.591	4686587.013
2412	347839.157	4686604.775

2412	347840.423	4686613.537
2412	347840.904	4686616.863
24353	344092.138	4686027.918
24353	344091.101	4686034.804
24353	344091.067	4686035.026
24353	344090.531	4686038.588
24353	344090.281	4686040.247
24353	344087.543	4686058.594
24353	344084.235	4686080.659
24353	344084.064	4686081.795
24353	344081.701	4686097.556
24753	344109.681	4685911.937
24753	344109.039	4685916.223
24753	344106.694	4685931.57
24753	344105.905	4685936.994
24753	344104.176	4685948.368
24753	344104.074	4685949.009
24753	344104.044	4685949.196
24753	344103.129	4685954.953
24754	344122.535	4685829.274
24754	344122.474	4685829.661
24754	344120.143	4685844.779
24754	344118.954	4685852.341
24754	344118.236	4685856.911
24754	344118.095	4685857.81
24754	344116.205	4685869.834
24754	344116.169	4685870.061
24754	344115.625	4685873.524
24754	344115.352	4685875.264
24754	344113.774	4685885.728
24754	344111.893	4685897.749
24754	344110.702	4685905.367
24755	344138.056	4685727.741
24755	344136.35	4685738.919
24755	344134.644	4685750.097
24755	344132.938	4685761.275
24755	344131.232	4685772.454
24755	344129.526	4685783.632
24756	344152.161	4685636.524
24756	344149.611	4685653.289
24756	344148.836	4685657.952
24756	344146.736	4685671.858
24756	344146.07	4685675.999
24756	344144.074	4685688.745
24756	344144.005	4685689.173
24756	344143.168	4685695.021
24756	344142.699	4685697.982
24756	344142.197	4685701.155
24756	344142.155	4685701.423
24756	344140.535	4685711.658
2537	345034.093	4685919.949
26353	344209.128	4685807.703
26353	344202.647	4685806.673
26353	344196.771	4685805.739
26353	344193.225	4685805.176
26353	344183.021	4685803.555
26353	344179.618	4685803.014
26353	344172.164	4685801.829
26353	344171.626	4685801.744
26353	344168.955	4685801.319
26353	344158.222	4685799.614
26353	344149.448	4685798.242
26354	344247.515	4685814.246
26354	344245.617	4685813.924

26354	344231.082	4685811.45
26354	344229.766	4685811.227
26354	344214.618	4685808.63
26355	344259.248	4685811.731
26355	344258.933	4685813.719
28_1	345190.909	4688153.448
28_1	345290.913	4688112.04
28_1	345292.07	4688112.529
28_2	345293.315	4688112.974
2832	344666.156	4685328.771
2833	344660.243	4685364.394
2834_1	344646.999	4685446.974
290	344528.348	4686239.686
2954	344843.255	4684121.293
2972	344919.307	4684354.32
2988	344927.03	4684349.143
30	345190.597	4688116.72
30	345187.64	4688151.664
301	344616.977	4685758.548
302	344815.56	4685791.068
3059	344985.193	4684121.831
3059	344961.776	4684178.583
3060	344987.178	4684122.229
3060	344963.63	4684178.716
3063	344962.805	4684180.617
3063	344966.141	4684227.006
3064	344961.346	4684180.408
3064	344964.994	4684226.902
3094	344892.291	4683981.385
3096	344927.266	4683768.412
329	344764.106	4686126.38
329	344759.989	4686126.107
329	344755.928	4686125.838
329	344751.924	4686125.572
329	344747.962	4686125.31
3391	344955.785	4683459.976
3391	344954.658	4683473.404
3392	344954.363	4683503.888
354	344753.874	4685780.789
3779	344727.136	4687393.506
3827	345218.467	4686131.822
3827	345179.915	4686131.276
3827	345111.674	4686130.307
3845_1	345747.195	4686139.466
385	344478.215	4688271.137
3863	345038.187	4686134.546
3863	345036.698	4686134.782
3872	344956.636	4686147.441
3872	344929.977	4686151.58
3872	344907.39	4686155.088
3879	347841.742	4686640.869
3879	347838.661	4686674.161
3879	347837.408	4686687.717
3894	345534.61	4686136.658
3896	345464.343	4686135.341
3896	345385.741	4686133.616
3902	345356	4686133.146
3902	345301.873	4686132.631
3902	345301.21	4686132.625
3902	345272.341	4686132.351
3902	345242.561	4686132.068
3903	344902.137	4686155.864
3903	344898.257	4686158.739
3903	344892.685	4686157.687

3904	344902.141	4686155.942
3904	344897.406	4686154.604
3904	344892.704	4686157.766
3905	344876.813	4686160.513
3905	344872.084	4686161.34
3917	345940.028	4685987.768
3917	345940.999	4686005.385
3918	345951.542	4686182.494
3918	345951.704	4686185.425
3918	345953.412	4686216.503
3918	345954.284	4686232.342
3934	345956.773	4686275.578
3934	345958.321	4686298.683
3934	345964.928	4686369.145
3934	345965.137	4686373.349
3934	345969.939	4686470.443
3934	345969.99	4686471.475
3939	345972.297	4686509.998
3939	345974.003	4686537.37
3939	345977.021	4686585.823
3939	345977.218	4686588.985
3939	345977.81	4686598.461
3939	345982.027	4686668.245
3939	345982.311	4686672.927
3939	345982.412	4686674.602
3939	345985.494	4686725.587
402	345307.87	4688142.292
4067	344778.81	4686097.207
4349	344495.392	4688149.488
4413	344794.086	4686020.593
4413	344792.178	4686032.902
4413	344785.181	4686077.983
4413	344783.897	4686086.246
4413	344783.731	4686087.295
4525	347906.135	4686038.627
4525	347906.184	4686038.261
4552	345603.446	4687513.555
4626	347119.775	4685994.254
4649_1	347538.726	4685960.908
4649_1	347547.594	4685959.88
4649_1	347555.177	4685958.981
4649_1	347562.503	4685957.439
489	344348.886	4688125.563
60	344387.154	4687094.718
60	344390.811	4687095.241
6008	347899.406	4685967.344
6008	347881.168	4685967.528
636	343994.881	4687617.56
67569	346066.428	4687719.989
67969	346086.437	4687709.61
704	345232.469	4687653.357
704	345232.205	4687654.813
704	345230.089	4687656.665
704	345197.808	4687675.979
704	345194.898	4687677.7
704	345191.062	4687680.346
704	345188.283	4687682.461
704	345186.168	4687685.107
704	345184.05	4687688.017
704	345182.596	4687691.589
704	345181.404	4687696.353
704	345181.14	4687701.247
704	345181.67	4687704.819
70768	346079.796	4687594.633

720	345258.219	4687110.832
820	344290.879	4686120.127
A1	345171.284	4683305.563
A1	345170.895	4683323.547
A1	345178.191	4683333.96
A1	345184.586	4683339.106
A2	345390.701	4683393.599
A2	345393.479	4683412.747
A2	345421.775	4683414.238
C102_2	344679.425	4687262.62
C111	344743.263	4684782.398
C133_1	346975.488	4686428.892
C148	347749.647	4686303.685
C151	346063.107	4687709.602
C151	346057.662	4687709.421
C151_1	346423.099	4687524.668
C153	345945.174	4686041.902
C154_2	345744.328	4685841.748
C161	345561.911	4685801.016
C161361	344756.399	4687927.749
C162534	344322.554	4686555.653
C162761	346517.973	4686935.789
C162761	346526.559	4687019.215
C162781	344427.639	4687897.091
C164521	344376.006	4686530.129
C164521	344468.72	4686542.439
C166_1	343913.942	4685556.225
C166_2	343913.942	4685604.718
C171	343737.15	4685835.226
C171	343731.477	4685877.175
C172	343749.609	4685748.979
C175	343701.58	4685948.32
C175	343755.751	4685937.431
C175	343766.991	4685936.019
C181	345197.887	4685817.086
C182	345193.901	4685910.421
C185_1	344491.405	4685577.424
C194_2	345346.655	4685667.184
C198_3	344541.081	4686241.996
C204	344291.859	4687621.849
C212_1	344854.372	4687421.661
C212_2	344827.866	4687468.147
C223	347125.881	4687133.863
C223	347113.076	4687157.021
C227_3	345193.087	4686850.397
C229	345351.463	4686183.919
C229	345355.18	4686147.489
C230_2	344660.631	4684438.023
C244	345604.705	4687165.898
C245	345938.613	4686821.865
C252	345597.187	4686392.437
C252	345655.773	4686373.604
C255	345695.574	4687748.912
C256	345540.627	4687997.652
C258	345326.632	4688100.005
C258	345294.351	4688110.794
C262	344456.476	4685497.76
C262	344512.346	4685507.538
C262	344554.403	4685514.521
C262	344584.821	4685519.798
C262	344611.204	4685524.298
C262	344624.706	4685525.54
C262_1	344481.172	4688361.17
C262_3	344604.293	4688336.207

C266	343707.211	4686221.268
C266	343714.816	4686176.109
C270	344664.355	4686076.763
C273	345664.31	4686248.064
C273_3	345678.02	4686247.457
C273_6	345679.56	4686151.608
C275	345670.489	4686149.705
C277	345755.354	4685266.71
C278	345761.195	4685253.934
C279	345803.606	4686309.029
C282	346409.307	4686430.088
C282_1	346387.336	4686279.156
C29	346132.758	4686021.624
C37_3	343833.797	4685644.093
C42	347038.654	4686073.902
C43	344951.457	4683535.957
C54	344366.888	4688026.086
C58	345223.378	4687606.983
C58	345225.982	4687627.955
C59	344338.17	4686528.784
C75_1	345917.796	4686962.508
C75_3	345984.909	4686963.946
C82	344882.067	4685553.84
C82	344895.818	4685552.509
C88	346204.179	4686304.795
C92_1	344443.549	4686346.906
C92_2	344492.898	4686359.855
Coro_C301	344842.956	4687993.366
Coro_C304	344893.721	4687884.134
Coro_C314	344980.541	4687869.944
Coro_C327	345067.951	4688097.877
CYR_7	345865.895	4685344.59
E27_3	345885.429	4685264.778
E27_4	345884.03	4685326.154
E6	345732.215	4682865.262
E6	345741.471	4682991.679
Lacasse_C222_3	344603.792	4688165.293
Lacasse_C222_3	344602.533	4688174.752
Lacasse_C222_4	344621.468	4688047.186
Lacasse_C222_4	344615.611	4688084.712
Lacasse_C222_5	344638.947	4687934.81
Lacasse_C222_5	344633.137	4687972.234
Lacasse_C222_7	344646.982	4687881.965
Meander_C183476	344562.197	4687408.758
Meander_C183477	344570.444	4687355.574
Meander_C183478	344584.38	4687334.244
Meander_C183479	344634.151	4687338.795
MHB3	347318.471	4686754.103
MHE1	347338.198	4686843.931
MHE1A	347391.902	4686987.732
MHE1A	347422.777	4687006.149
MHE1B	347343.842	4686921.003
MHK3	347383.945	4686727.339
MHR1B	347307.143	4687038.43
MHR1B	347354.015	4687024.401
MHRV2	346986.289	4687295.729
MHRV2	346974.429	4687301.262
MHRV2	346962.568	4687306.795
MHSM7	346983.623	4687197.684
NP_C111	344948.966	4683554.384
NP_C26071	344768.314	4683560.035
NP_C26111	344760.875	4683558.746
OR1190	345337.367	4687314.058
OR1191	345344.254	4687132.216

PondOutPipe1	346063.91	4686986.436
STM4137	346782.457	4687388.228
2209	348189.607	4686600.108
BRIGHTON_LAG_P2	347896.129	4685975.531
BRIGHTON_LAG_P2	347900.822	4685975.489
BRIGHTON_LAG_P3	347896.254	4685974.609
BRIGHTON_LAG_P3	347900.32	4685974.399
BRIGHTON_LEAD_P1	347895.961	4685976.537
BRIGHTON_LEAD_P1	347898.559	4685976.495
BRIGHTON_LEAD_P1	347901.493	4685976.369
BRIGHTON_P5/6	347894.643	4685971.612
BRIGHTON_P5/6	347901.738	4685971.161
EST_L_P1	345625.667	4687895.191
EST_L_P1	345624.911	4687904.375
EST_L_P3	345631.933	4687894.705
EST_L_P3	345631.933	4687904.213
MANNING_LAG_P2	346070.781	4687738.105
MANNING_LAG_P2	346075.098	4687738.025
MANNING_LEAD_P1	346070.221	4687740.024
MANNING_LEAD_P1	346075.817	4687739.704
MANNING_P5/6	346071.054	4687734.47
MANNING_P5/6	346072.345	4687734.699
MANNING_P5/6	346073.636	4687734.929
MANNING_P5/6	346074.926	4687735.158
MANNING_P5/6	346077.068	4687758.594
WST_L_P1	345305.929	4688154.103
WST_L_P2	345309.601	4688154.553
C198	344496.922	4686279.539
C198	344461.892	4686274.976
C198	344436.86	4686287.868
CBLead_OR108	346796.029	4686729.434
CBLead_OR161	346806.931	4686830.354
CBLead_OR162	346816.213	4686952.194
CBLead_OR163	346823.285	4687071.825
CBLead_OR164	346830.651	4687194.696
CBLead_OR165	346845.089	4687315.506
CBLead_OR168	347097.804	4687157.198
CBLead_OR178	346967.521	4687137.584
CBLead_OR179	346956.137	4687048.185
CBLead_OR180	346948.436	4686938.695
CBLead_OR181	346930.62	4686808.368
CBLead_OR182	346925.535	4686686.544
CBLead_OR183	346920.874	4686568.322
CBLead_OR184	346910.281	4686456.033
CBLead_OR67	346782.033	4686468.811
CBLead_OR69	346792.198	4686588.146
CIP03	344385.947	4686136.372
CIP04	344397.161	4686151.036
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OR701	347966.348	4686441.297
OR705	347823.82	4686474.77
OR706	347820.395	4686452.222
OR707	347818.397	4686433.385
OR708	347817.255	4686426.535
OR709	347815.828	4686407.127
OR710	347815.257	4686403.987
OR715	347838.726	4686601.858
OR719	347841.317	4686664.929
OR72	344261.475	4687863.921
OR724	347842.795	4686733.007
OR725	347854.776	4686797.484
OR726	347849.109	4686770.405
OR727	347847.497	4686754.625
OR728	347847.007	4686771.083
OR730	347849.656	4686854.134
OR731	347856.703	4686837.506
OR734	347853.773	4686919.401
OR740	347899.169	4686144.17
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OR742	347927.525	4686251.891
OR742	348004.294	4686248.611
OR743	347915.766	4686272.469
OR744	347922.743	4686361.621
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OR752	348059.782	4686663.194
OR755	348104.458	4686657.393
OR757	348171.876	4686660.766
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OR764	348030.418	4686820.299
OR764	348030.912	4686814.788
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OR765	348028.059	4686768.077
OR765	348056.066	4686744.245
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OR775	346749.735	4685920.898
OR777	346658.655	4685984.62
OR785	346672.552	4686019.813
OR795	347805.66	4686380.57
OR796	347810.588	4686379.229
OR797	347817.273	4686374.235
OR797	347895.916	4686372.921
OR798	347791.316	4686374.407
OR8	346541.013	4686447.447
OR80	344288.762	4687711.262
OR808	347223.64	4687198.1
OR820	346541.147	4687118.589
OR821	346631.411	4687113.885
OR822	346522.628	4687013.501
OR829	346497.75	4686569.79
OR835	346660.436	4686540.725
OR835	346646.449	4686541.38
OR839	346776.492	4686442.133
OR840	346806.297	4686450.129
OR842	346990.986	4686432.712
OR844	346422.453	4686531.621
OR846	346334.992	4686532.972
OR848	346251.624	4686539.611
OR851	346233.122	4686470.301
OR857	346192.705	4686530.112
OR859	346104.991	4686533.95
OR861	346092.723	4686547.61
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OR864	343689.047	4686123.049
OR865	344108.33	4685958.173
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OR872	344268.575	4685772.25
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OR882	346473.372	4687398.667
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OR886	346510.453	4687501.93
OR890	346237.848	4687579.277
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OR901	345939.471	4686183.057
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OR910	345696.308	4685723.793
OR911	345525.471	4685527.265
OR916	344645.273	4685451.011
OR917	344337.718	4685935.861
OR920	343759.775	4685548.401
OR922	343823.834	4685576.75
OR925	343913.551	4685641.663
OR927	343939.28	4685653.441
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OR934	343731.226	4685713.618
OR936	343735.382	4685623.809
OR938	343917.829	4685571.765
OR939	343818.897	4685771.058
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OR946	344313.848	4686068.133
OR948	344451.828	4685941.633
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OR952	344426.133	4686093.246
OR954	345297.356	4685785.555
OR956	345167.082	4685803.098
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OR960	345286.822	4685880.082
OR966	344498.081	4685579.216
OR970	344488.583	4685741.908
OR975	344308.597	4685821.273
OR978	344349.728	4685821.741
OR980	344387.649	4685667.145
OR981	344395.583	4685618.633
OR982	344374.771	4685836.376
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OR989	344364.574	4685762.028
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OR992	344982.624	4685738.976
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OR995	344553.055	4686004.588
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OR997	344988.016	4686045.348
OR999	344842.29	4686030.231
St.Anne_Major_OR14	344690.102	4684080.331
OR2646	345717.232	4682712.275
OR2646	345717.232	4682715.876
OR2655	345742.228	4683026.365
OR2655	345742.339	4683029.46
OR2660	345743.887	4683067.819
OR2660	345744.218	4683071.025
OR2660	345745.766	4683072.351
W1	346225.735	4686470.28
W1	346222.544	4686444.121
W14	345819.646	4684233.546
W14	345820.17	4684239.632
W15	345830.243	4684307.831
W15	345831.082	4684337.419
W16	345851.118	4684687.282
W16	345851.474	4684692.51
W17	345856.227	4684773.668
W17	345856.584	4684780.56
W18	345859.673	4684825.119
W18	345859.792	4684828.803
W19	345875.596	4684963.788
W19	345876.19	4684984.582
W20	345878.785	4685087.693
W20	345878.785	4685091.992
W21	345883.591	4685202.849
W21	345884.265	4685217.686
W22	345850.634	4684587.472
W22	345851.251	4684598.904

W3	346333.289	4686463.079
W3	346332.104	4686436.191
W4	346406.698	4686457.412
W4	346377.76	4686460.656
W4	346331.434	4686462.862
W4	346330.785	4686437.558
W5	346166.318	4686473.45
W5	346223.921	4686469.872
W5	346221.238	4686444.469

[POLYGONS]

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BG_1	347270.826	4686195.968
BG_1	347166.109	4686171.287
BG_1	347120.919	4686149.419
BG_1	347043.336	4686154.095
BG_1	347059.467	4686407.425
BG_1	347061.111	4686433.247
BG_1	347096.556	4686452.417
BG_1	347131.329	4686472.78
BG_1	347198.697	4686516.996
BG_1	347232.877	4686455.124
BG_1	347279.259	4686482.591
BG_1	347345.299	4686515.368
BG_1	347404.736	4686602.232
BG_1	347407.166	4686634.6
BG_1	347441.515	4686715.355
BG_1	347460.098	4686753.535
BG_1	347489.142	4686801.202
BG_1	347508.243	4686840.53
BG_1	347526.039	4686884.902
BG_1	347536.416	4686917.781
BG_1	347536.329	4686939.498
BG_1	347599.579	4686927.457
BG_1	347598.402	4686846.367
BG_1	347630.565	4686803.047
BG_1	347654.569	4686804.353
BG_1	347692.503	4686858.413
BG_1	347705.442	4686851.068
BG_1	347704.295	4686844.023
BG_1	347693.64	4686778.562
BG_1	347698.708	4686643.844
BG_1	347729.888	4686640.46
BG_1	347729.323	4686635.253
BG_1	347717.903	4686530.012
BG_1	347703.732	4686399.42
BG_1	347722.421	4686397.845
BG_1	347714.238	4686253.589
BG_1	347711.473	4686196.921
BG_1	347708.368	4686154.361
BG_1	347676.449	4686156.69
BG_1	347665.521	4686152.821
BG_1	347667.636	4686142.929
BG_1	347665.711	4686116.526
BG_1	347554.634	4686123.23
BG_2	347458.862	4686154.602
BG_2	347554.634	4686123.23
BG_2	347497.175	4686042.721
BG_2	347434.161	4686047.288
BG_2	347049.715	4686073.866

BG_2	347054.729	4686153.5
BG_2	347120.989	4686149.453
BG_2	347166.109	4686171.287
BG_2	347270.826	4686195.968
BG_2	347381.671	4686177.694
BG_2	347458.862	4686154.602
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Coro_S116_1	344819.338	4688096.946
Coro_S116_1	344820.357	4688093.415
Coro_S116_1	344856.62	4688048.725
Coro_S116_1	344883.72	4688011.092
Coro_S116_1	344842.15	4687986.15
Coro_S116_1	344801.057	4687944.494
Coro_S116_1	344793.098	4687957.826
Coro_S116_1	344770.414	4687982.226
Coro_S116_1	344749.591	4687998.548
Coro_S116_1	344732.821	4688006.533
Coro_S116_1	344715.66	4688018.121
Coro_S116_1	344715.385	4688018.148
Coro_S116_1	344734.62	4688052.46
Coro_S116_1	344768.671	4688078.745
Coro_S116_2	344734.62	4688052.46
Coro_S116_2	344715.385	4688018.148
Coro_S116_2	344678.863	4688021.686
Coro_S116_2	344654.787	4688176.028
Coro_S116_2	344729.377	4688189.575
Coro_S116_2	344733.268	4688194.332
Coro_S116_2	344734.966	4688193.625
Coro_S116_2	344769.902	4688191.324
Coro_S116_2	344769.757	4688177.805
Coro_S116_2	344804.892	4688170.088
Coro_S116_2	344805.1	4688146.292
Coro_S116_2	344819.338	4688096.946
Coro_S116_2	344768.671	4688078.745
Coro_S116_2	344734.62	4688052.46
Coro_W182_2	345075.729	4687966.436
Coro_W182_2	345129.457	4687966.92
Coro_W182_2	345138.947	4687854.299
Coro_W182_2	345088.374	4687851.664
Coro_W182_2	345033.924	4687862.747
Coro_W182_2	345024.814	4687965.397
Coro_W182_2	345075.729	4687966.436
Coro_W182_3	345039.885	4688038.123
Coro_W182_3	345009.557	4688022.435
Coro_W182_3	345009.197	4688023.659
Coro_W182_3	344985.381	4688049.78
Coro_W182_3	345026.128	4688075.393
Coro_W182_3	345018.235	4688099.887
Coro_W182_3	345024.777	4688111.178
Coro_W182_3	345013.767	4688117.844
Coro_W182_3	345029.706	4688165.536
Coro_W182_3	345053.758	4688156.621
Coro_W182_3	345065.647	4688102.779
Coro_W182_3	345107.156	4688065.562
Coro_W182_3	345108.343	4688045.266
Coro_W182_3	345067.365	4688042.304
Coro_W182_3	345039.885	4688038.123
Coro_W182_4	345067.365	4688042.304
Coro_W182_4	345108.343	4688045.266
Coro_W182_4	345108.544	4688041.833
Coro_W182_4	345126.201	4688043.294
Coro_W182_4	345128.26	4687981.127
Coro_W182_4	345129.457	4687966.92
Coro_W182_4	345075.729	4687966.436

Coro_W182_4	345024.814	4687965.397
Coro_W182_4	345024.164	4687972.721
Coro_W182_4	345009.557	4688022.435
Coro_W182_4	345039.885	4688038.123
Coro_W182_4	345067.365	4688042.304
Coro_W632_2	345077.291	4687833.75
Coro_W632_2	345082.694	4687852.82
Coro_W632_2	345088.374	4687851.664
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Coro_W632_2	345150.215	4687720.573
Coro_W632_2	345101.833	4687735.384
Coro_W632_2	345055.762	4687747.669
Coro_W632_2	345066.87	4687795.379
Coro_W632_2	345062.709	4687796.384
Coro_W632_2	345076.904	4687811.715
Coro_W632_2	345077.291	4687833.75
Coro_W632_3	344990.302	4687874.438
Coro_W632_3	345032.296	4687881.096
Coro_W632_3	345033.924	4687862.747
Coro_W632_3	345082.694	4687852.82
Coro_W632_3	345077.291	4687833.75
Coro_W632_3	345076.904	4687811.715
Coro_W632_3	345062.709	4687796.384
Coro_W632_3	344935.56	4687827.097
Coro_W632_3	344927.369	4687851.959
Coro_W632_3	344929.312	4687876.392
Coro_W632_3	344934.734	4687881.787
Coro_W632_3	344933.776	4687885.104
Coro_W632_3	344990.302	4687874.438
Coro_W632_4	344990.302	4687874.438
Coro_W632_4	344933.776	4687885.104
Coro_W632_4	344931.224	4687893.937
Coro_W632_4	344931.674	4687914.301
Coro_W632_4	344914.816	4687967.91
Coro_W632_4	345009.197	4688023.659
Coro_W632_4	345024.164	4687972.721
Coro_W632_4	345032.296	4687881.096
Coro_W632_4	344990.302	4687874.438

.....
Too many subcatchment entities (1274 in total).

[SYMBOLS]

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;;Gage          X-Coord          Y-Coord
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[PROFILES]

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;;Name          Links
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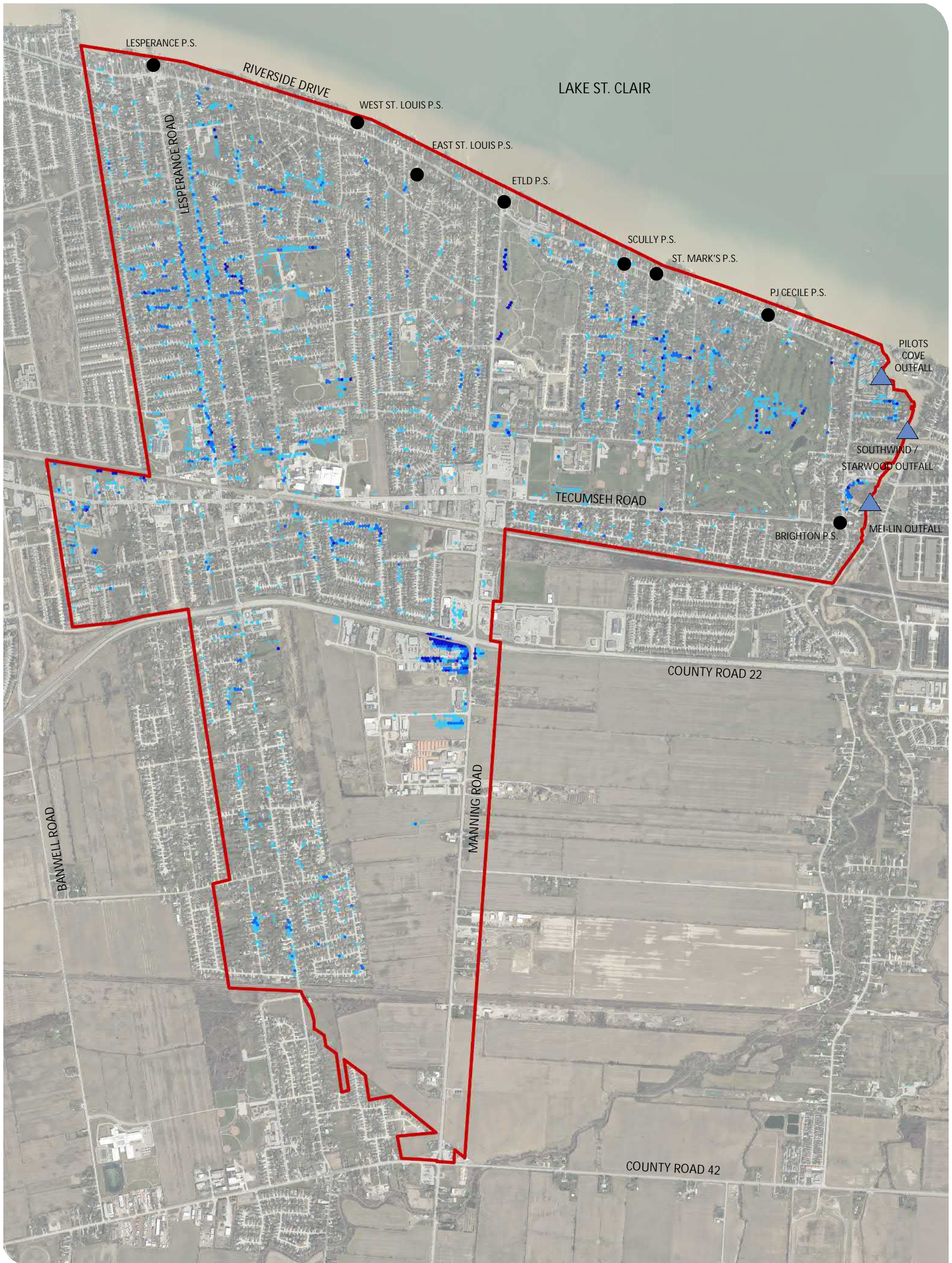
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"Lesperance Trunk" C20 50 C19 C18 C17
"Lesperance Trunk" 59 C16 67 C14 73
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"ETLD from CR42 to CR22" E10 ETLD_C16 E11 ETLD_C15 E12
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"ETLD from CR42 to CR22" E22 ETLD_C4 E23 ETLD_C3 E24
"ETLD from CR42 to CR22" E25 ETLD_C2 E26 ETLD_C1 E27_1
"ETLD from CR42 to CR22" E27_3 E27_4 2386
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"Gauthier_Valente Court Minor" 1608 1604 1259 1258 249
"Gauthier_Valente Court Minor" ORIFICE VALENT C22
"Roxbury Crescent - Minor" 1755 1758 1761 246 C23
"Oliver Drive - Minor" 638 641 642 645 C204
"Oliver Drive - Minor" OR78 C24
"Village Grove Trunk to Brighton PS" C29 4573 1854 1848 1851
"Village Grove Trunk to Brighton PS" 2169 2168 2164 4631 4629
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"Cedarwood_@Lesp_Minor" C203 1022 1023 267 C25
"Oliver_@Lesp_Minor" 636 638 641 642 645
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"Orchard_Minor " 1674 1677 1682 72 C16
"Baillargeon_Minor" 1685 1690 1027 271 C14
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"Green Valley_Minor" C60 C61 2646 2643 2640
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"Arlington_Minor " MHA1A MHA1 MHA2 MHA3 MHA4
"Arlington_Minor " MHA5 MHA6 C13_1 C13_2 MHRV1
"Arlington_Minor " MHRV2 C57198 MHRV4
"Edgewater_Riverside_Minor" C65 C66 C67_1 C67_2 C164451
"Edgewater_Riverside_Minor" C174273 C174274 C176843 C176844 C176845
"Edgewater_Riverside_Minor" C176846 C176847 MHEW8 MHRV4
"St. Marks_Riverside_Minor" MHSM1 MHSM2 MHSM3 MHSM4 MHSM5
"St. Marks_Riverside_Minor" MHSM6 MHSM7 MHRV2 C57198
"Kensington_Minor" MHK1 MHK2 MHK3 MHK4 MHK5
"Kensington_Minor" MHK6 MHK7
"Clovelly_Minor " MHR1A MHC1A MHC1 MHC2 MHC3
"Clovelly_Minor " MHB4
"St. Pierre Trunk" 454 C207 C209 C208 429
"St. Pierre Trunk" C55 C54 489 500 503
"St. Pierre Trunk" C51 508
"Node Meander_HP_1 to Node Meander_HP_5" Meander_C183474 Meander_C183475 Meander_C183476 Meander_
"Node Meander_HP_1 to Node Meander_HP_5" Meander_C183479 Meander_C183480 Meander_C183481

Appendix C

Existing Condition 2D Surface Ponding Results









TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

EXISTING CONDITION 1:5 YEAR
4 HR SURFACE PONDING

FIGURE C-1

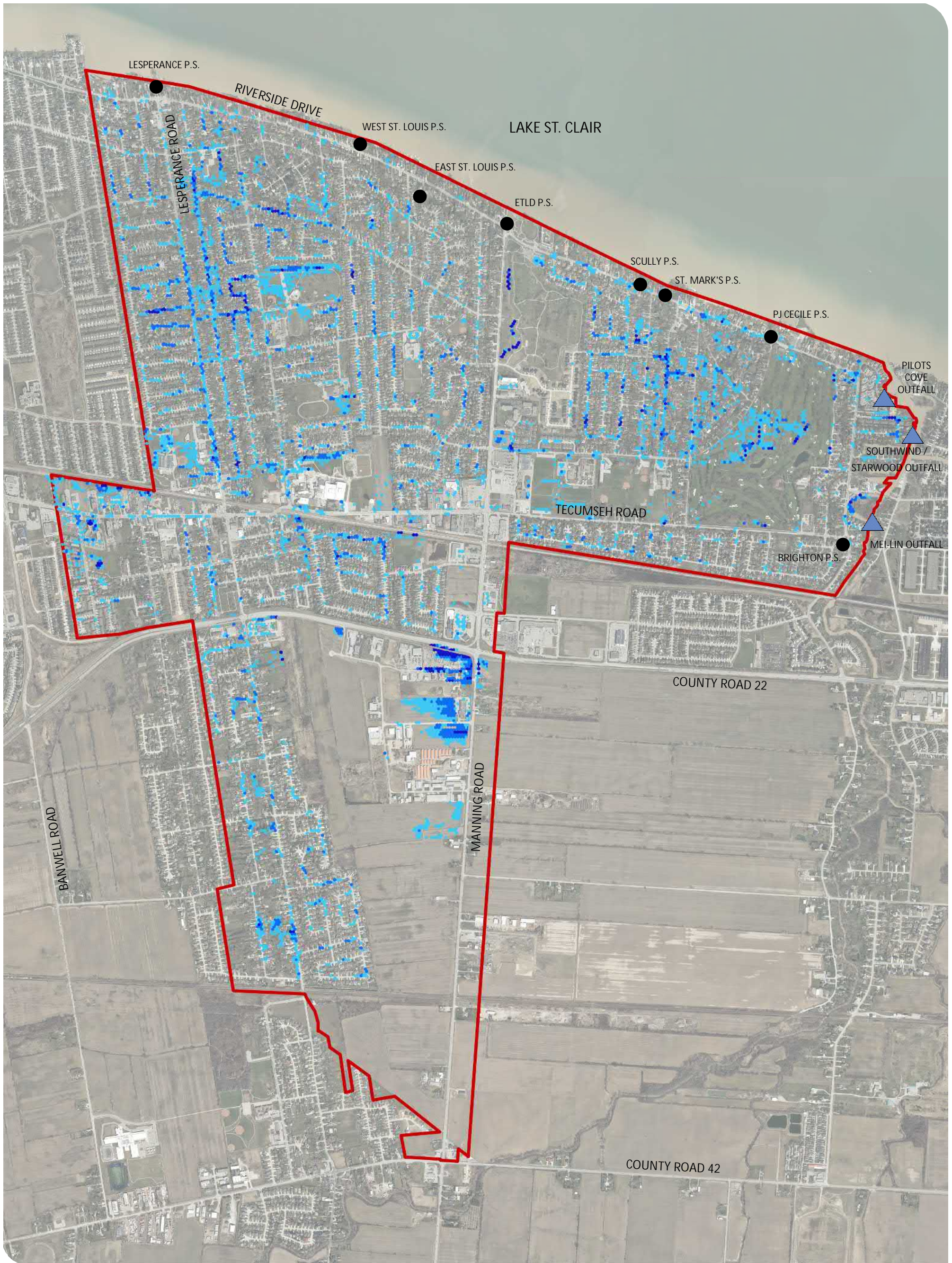


- | | |
|---|--|
|  SEWER GRAVITY OUTFALL |  SURFACE PONDING <math>< 0.15\text{m}</math> DEPTH |
|  PUMP STATION (P.S.) |  SURFACE PONDING BETWEEN 0.15m - 0.30m DEPTH |
|  STUDY AREA |  SURFACE PONDING > 0.30m DEPTH |



MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N







SCALE 1:NTS

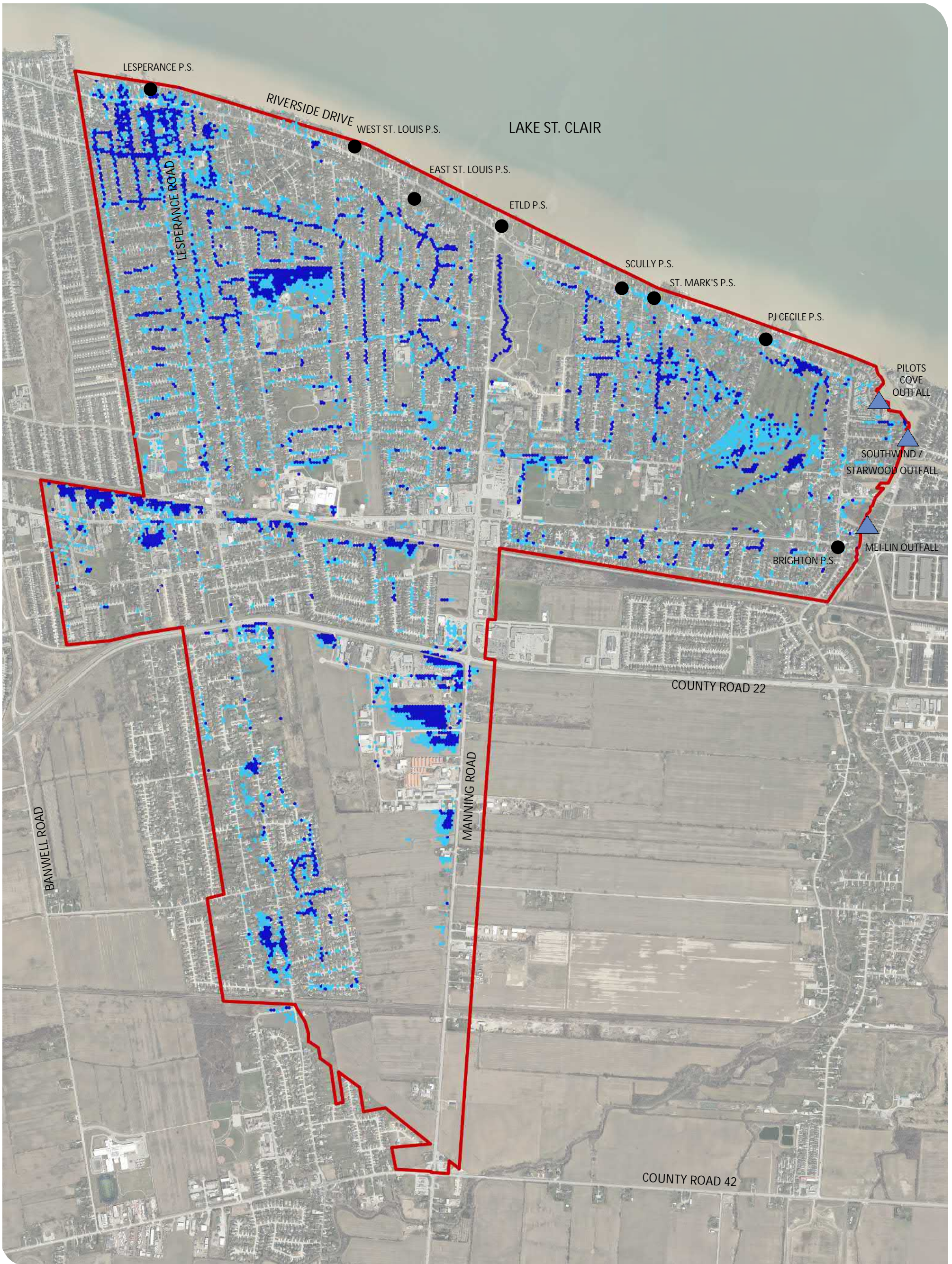


TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

EXISTING CONDITION 1:10 YEAR
4 HR SURFACE PONDING

FIGURE C-2

- | | |
|---|--|
|  SEWER GRAVITY OUTFALL |  SURFACE PONDING < 0.15m DEPTH |
|  PUMP STATION (P.S.) |  SURFACE PONDING BETWEEN 0.15m - 0.30m DEPTH |
|  STUDY AREA |  SURFACE PONDING > 0.30m DEPTH |



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

EXISTING CONDITION 1:100 YEAR
24 HR + 39% SURFACE PONDING

FIGURE C-3

- SEWER GRAVITY OUTFALL
- PUMP STATION (P.S.)
- STUDY AREA
- SURFACE PONDING BETWEEN 0.15m - 0.30m DEPTH
- SURFACE PONDING > 0.30m DEPTH



MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:NTS

Appendix D

Expanded Evaluation of Extensive Localized Solutions and Schedule B Projects

ALTERNATIVE 1

(ABOVEGROUND STORAGE OUTSIDE OF ROADWAY)



ALTERNATIVE 2

(UNDERGROUND STORAGE WITHIN ROADWAY)



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

EVALUATION OF LEMIRE/LANOUE
STREET LOCALIZED SOLUTION

FIGURE D-1



	ALTERNATIVE 1	ALTERNATIVE 2
ADVANTAGES	<ul style="list-style-type: none"> • Cost effective solution to reduce flooding and improve storm sewer conveyance. • No long-term disruption to existing parkland. 	<ul style="list-style-type: none"> • Does not disrupt use of Buster Reaume park. • Maintains existing direction of storm sewers and outlet sewer through municipal easement to Via Rail Ditch
DISADVANTAGES	<ul style="list-style-type: none"> • Temporary disruption to Buster Reaume park during construction and during 1:100 year rainfall events. • Temporary disruption to residents along Lemire and Lanoue during construction. 	<ul style="list-style-type: none"> • Utility conflicts within roadway and depth constraints at VIA Rail ditch outlet. • Higher capital cost than Alternative 1

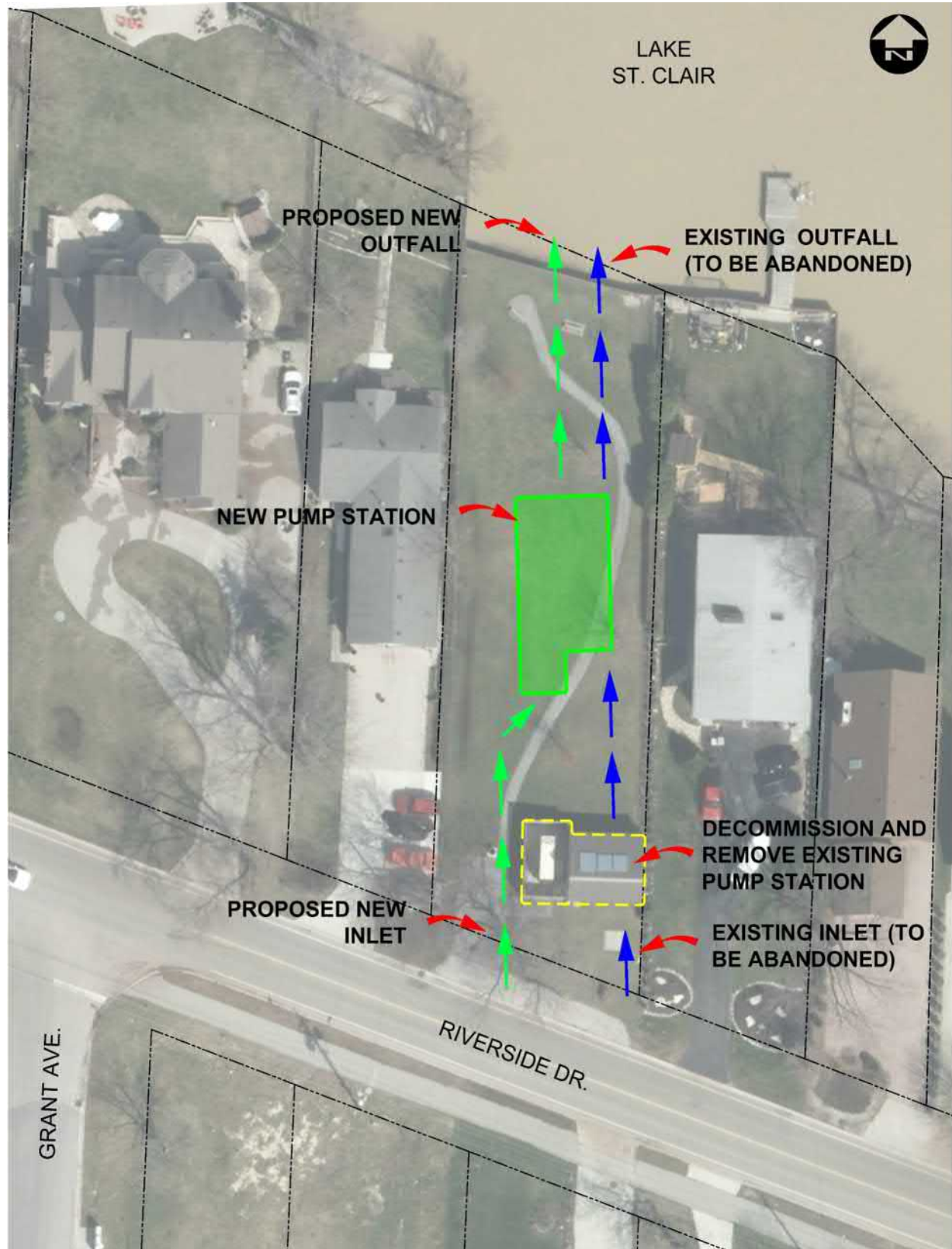


MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:NTS

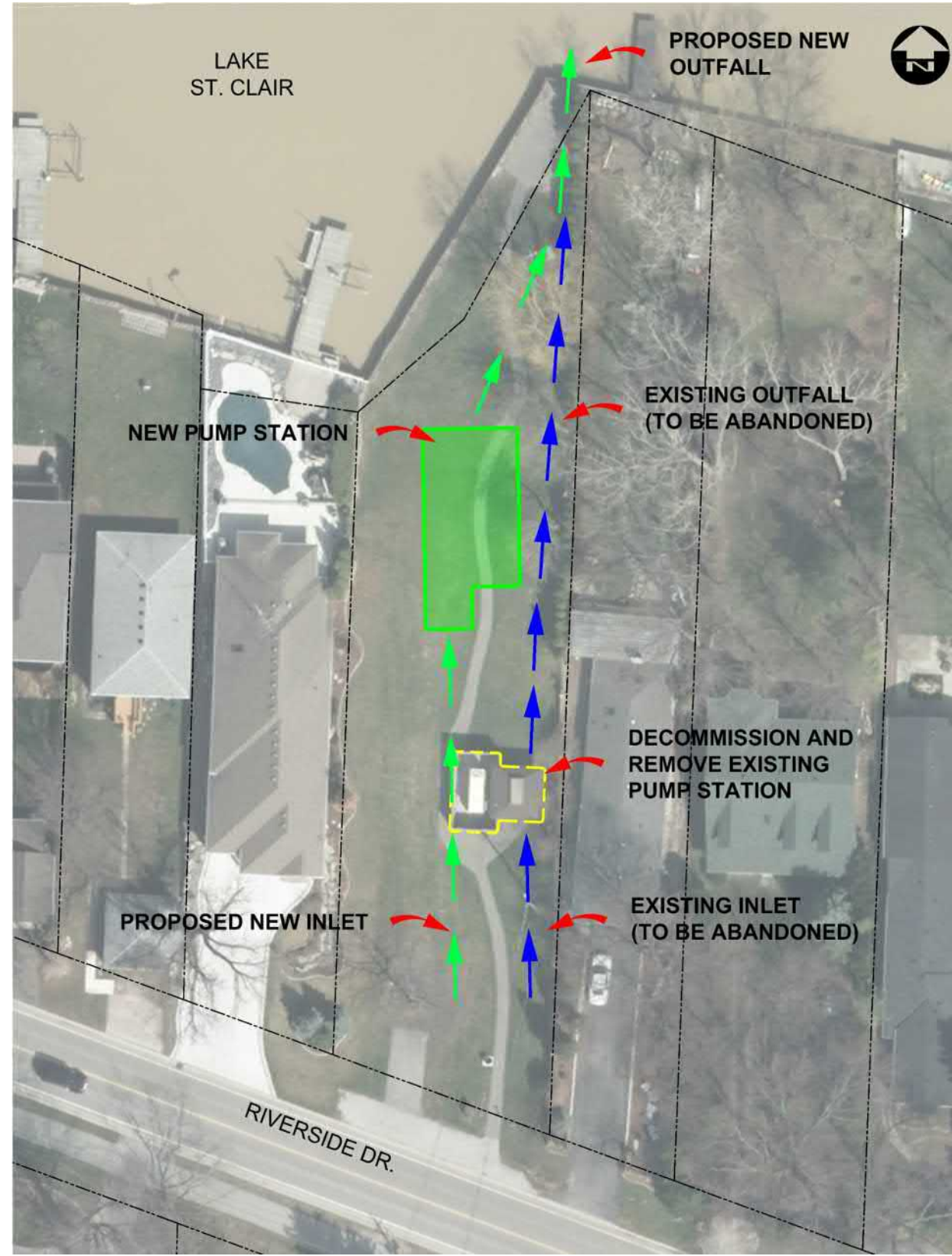
ALTERNATIVE 1

(NEW CONSOLIDATED PUMP STATION CONSTRUCTED ON EXISTING SCULLY PUMP STATION SITE)



ALTERNATIVE 2

(NEW CONSOLIDATED PUMP STATION CONSTRUCTED ON EXISTING ST. MARKS PUMP STATION SITE)



- NEW PUMP STATION STRUCTURE
- DECOMMISSION AND REMOVE EXISTING PUMP STATION
- ➔ PROPOSED STORM SEWER
- ➔ EXISTING STORM SEWER

	ALTERNATIVE 1	ALTERNATIVE 2
ADVANTAGES	<ul style="list-style-type: none"> • Provides a greater reduction of surface flooding within Grant Avenue area. • Outfall to lake more centered within property. 	<ul style="list-style-type: none"> • More centralized location within existing Scully and St. Mark's service area.
DISADVANTAGES	<ul style="list-style-type: none"> • Narrow existing pump station property. • Higher decommissioning and removal costs of old pump station. 	<ul style="list-style-type: none"> • Outfall has potential to negatively impact adjacent eastern property due to proximity with existing dock. • Building location impacts existing adjacent property sightlines.

SCALE 1:NTS **2**

MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

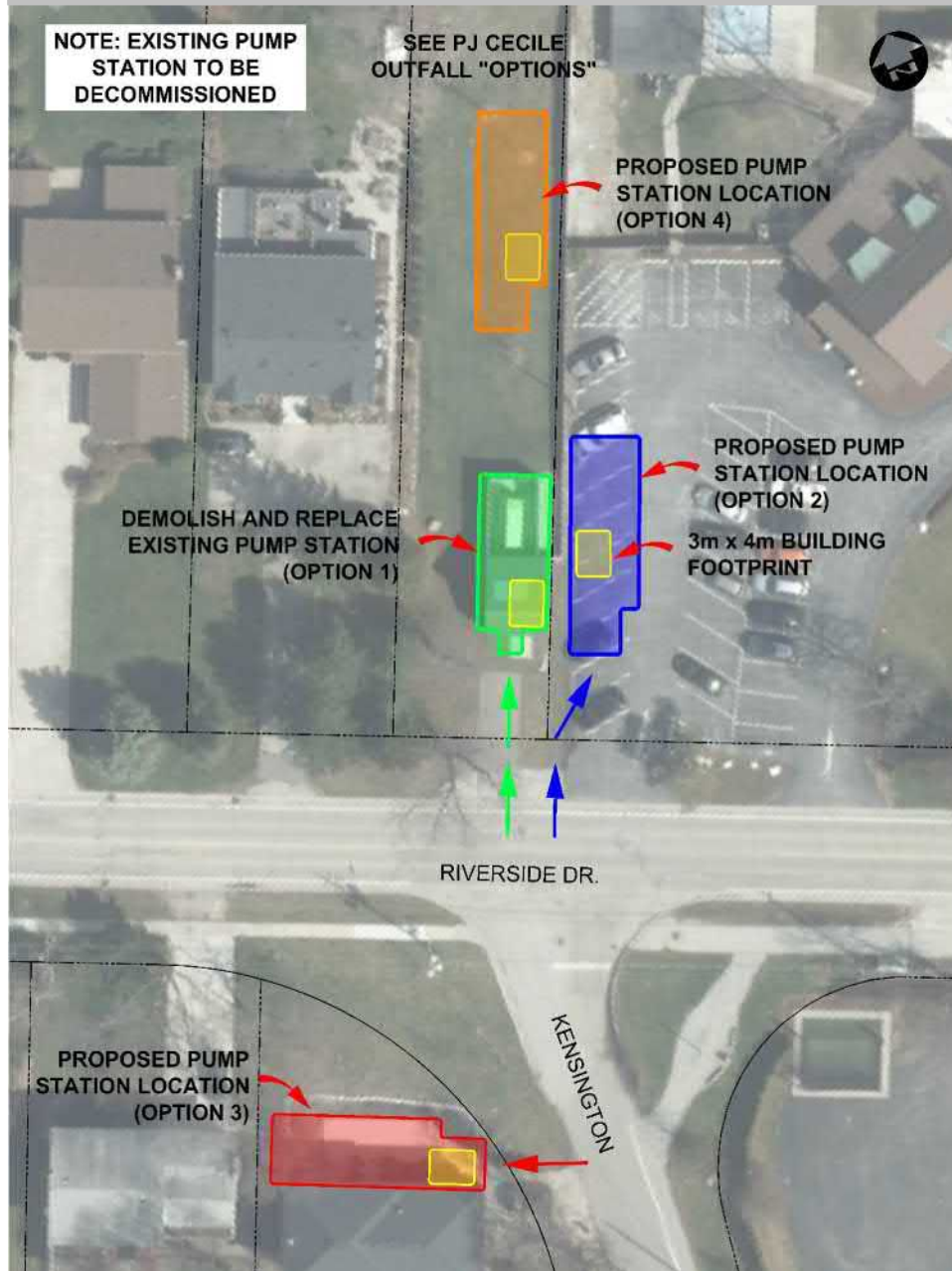


PROJECT: 16-4880
STATUS: FINAL
DATE: JUNE 2019

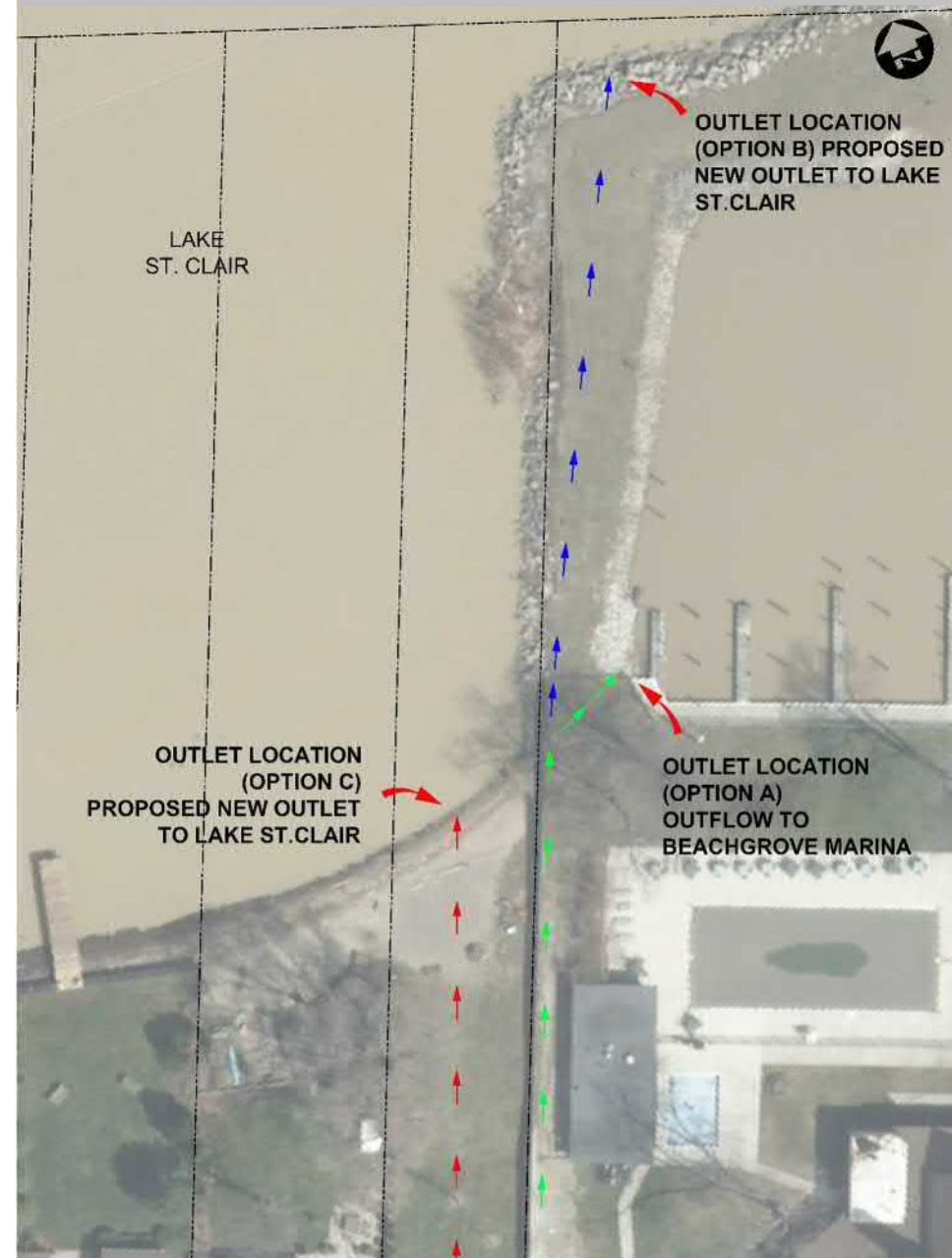
ALTERNATIVE 1

ALTERNATIVE 2

PUMP STATION LOCATION OPTIONS



OUTFALL OPTIONS



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

EVALUATION OF PJ CECILE PS
LOCATION
FIGURE D-3



ALTERNATIVE 1

- PUMP STATION OPTION 1 ➔ STORM SEWER OPTION A
- PUMP STATION OPTION 2 ➔ STORM SEWER OPTION B
- PUMP STATION OPTION 3 ➔ STORM SEWER OPTION C
- PUMP STATION OPTION 4
- PROPOSED BUILDING FOOTPRINT

ALTERNATIVE 2

- PUMP STATION ➔ STORM SEWER

ALTERNATIVE 1

Pump Station Location Option Evaluation Summary

- Option 1 requires decommissioning and demolition of existing station and construction of new station within existing station footprint. Temporary working easement required within Beachgrove Club parking lot during construction.
- Option 1 maintains existing station maintenance access to beach property from Riverside Drive.
- Option 2 requires new maintenance easement and has impact to Beachgrove Club. No impact to Kensington Beach area.
- Option 3 requires property acquisition and impact to residential property. No impact to Kensington Beach area or Beachgrove Club.
- Option 4 reduces maintenance access to beach property from Riverside Drive. Impact to Kensington Beach area access and no impact to Beachgrove Club.
- Temporary disruption during construction to Kensington Beach and Beachgrove Club under all options.

New Outfall Location Option Evaluation Summary

- Option A increases flows to existing outfall to Beachgrove marina. No impact to Kensington Beach area.
- Option B requires construction through existing marina jetty and acquisition of maintenance easement.
- Option B discharges flows further into the lake to not affect adjacent property owners.
- Option C requires property acquisition of residentially owned Kensington Beach area.

ALTERNATIVE 2

Advantages

- No impact to residentially owned Kensington Beach area.
- New outlet to lake causes no disruption to adjacent beach properties.

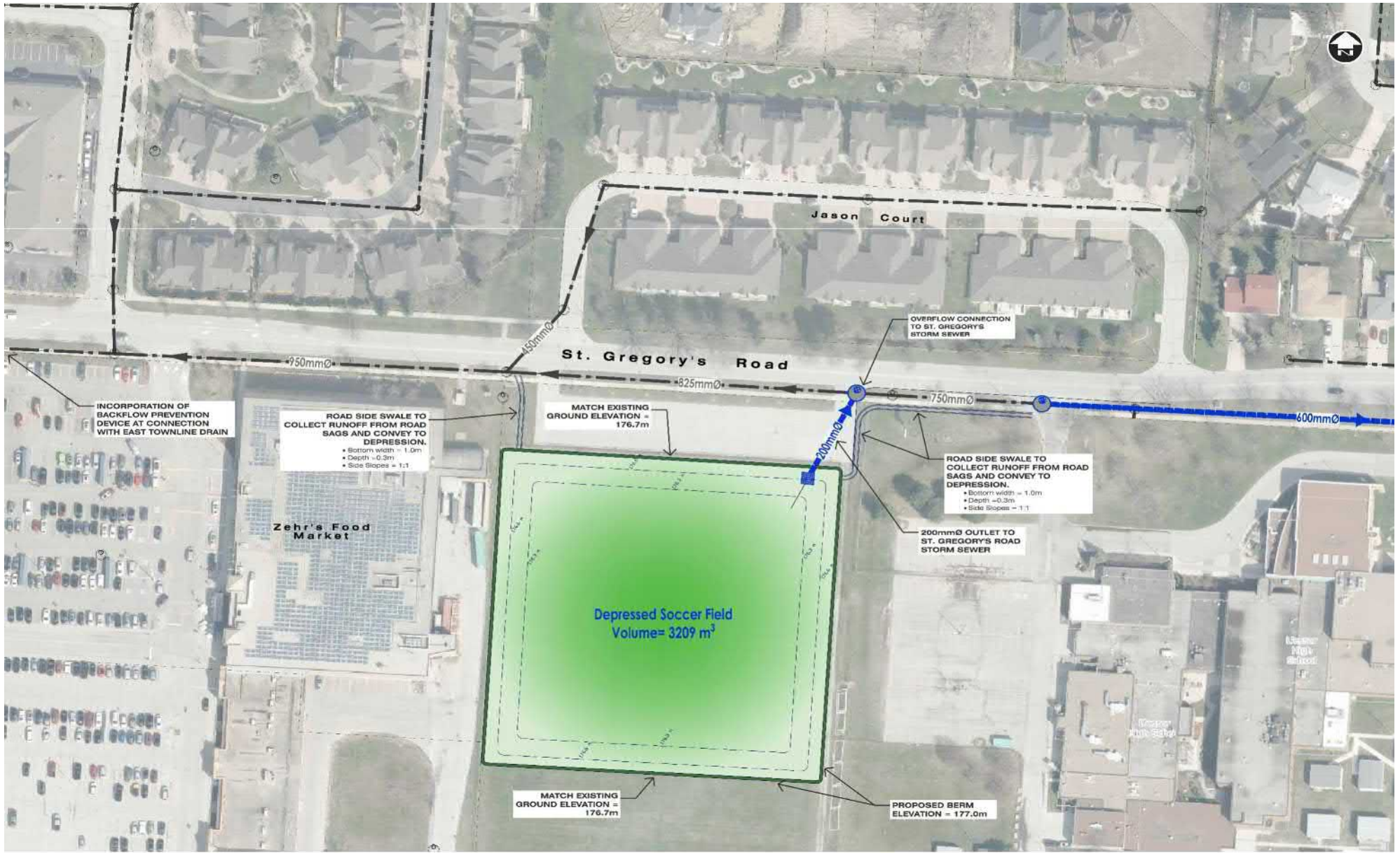
Disadvantages

- Greater roadway and storm sewer improvements along Riverside Drive to convey runoff to new station location.
- Temporary disruption to Beachgrove Club parking lot during construction.
- Permanent loss of parking spots within Beachgrove Club.
- Location would require further discussion with Beachgrove Club to not disrupt potential development of Northeastern parcel.
- New maintenance easement required within Beachgrove Club property.

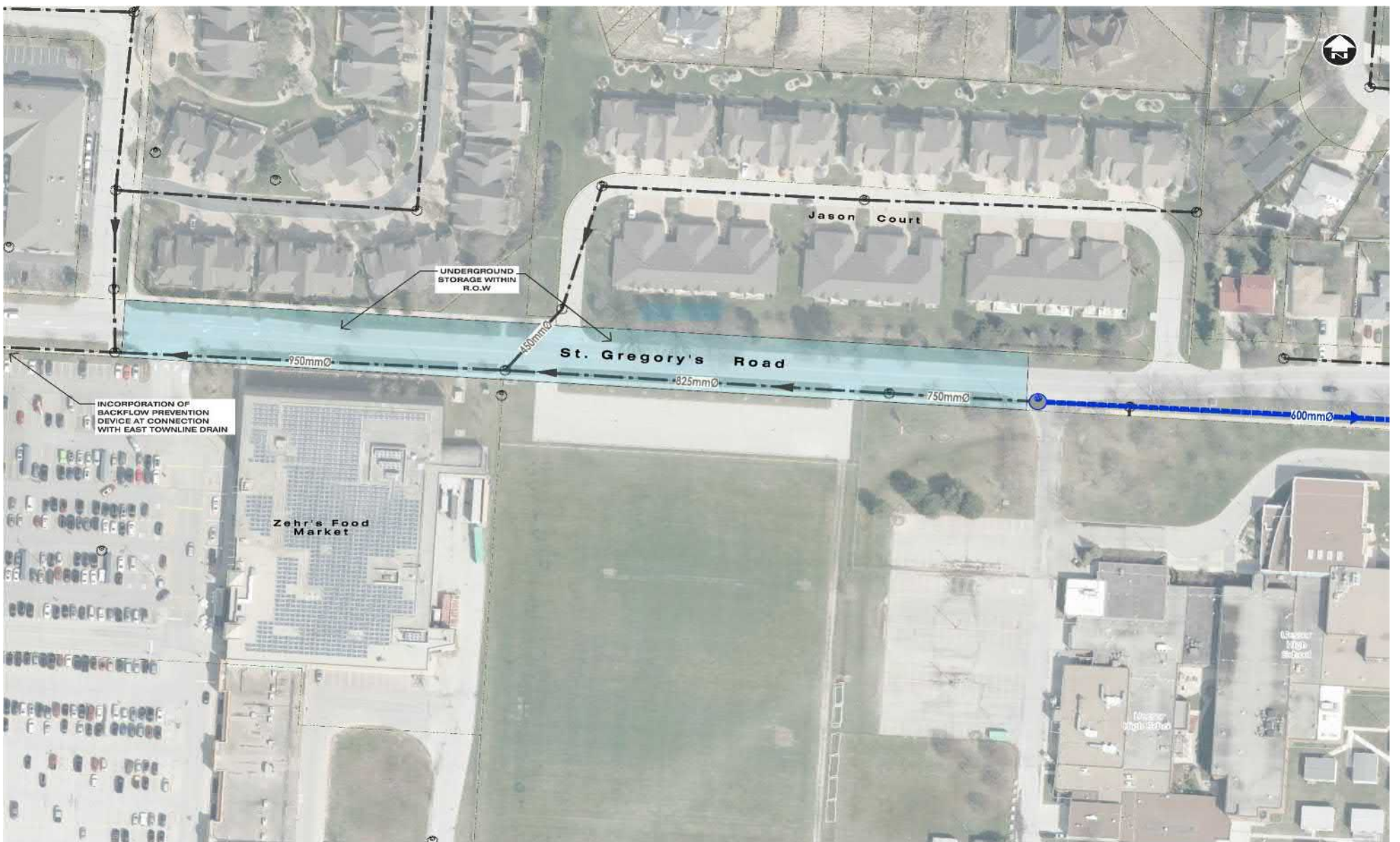
MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:NTS

ALTERNATIVE 1 (ABOVEGROUND STORAGE OUTSIDE OF ROADWAY)



ALTERNATIVE 2 (UNDERGROUND STORAGE WITHIN ROADWAY)



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

EVALUATION OF ST. GREGORY'S ROAD
ENHANCED SOLUTION ALTERNATIVE

FIGURE D-4



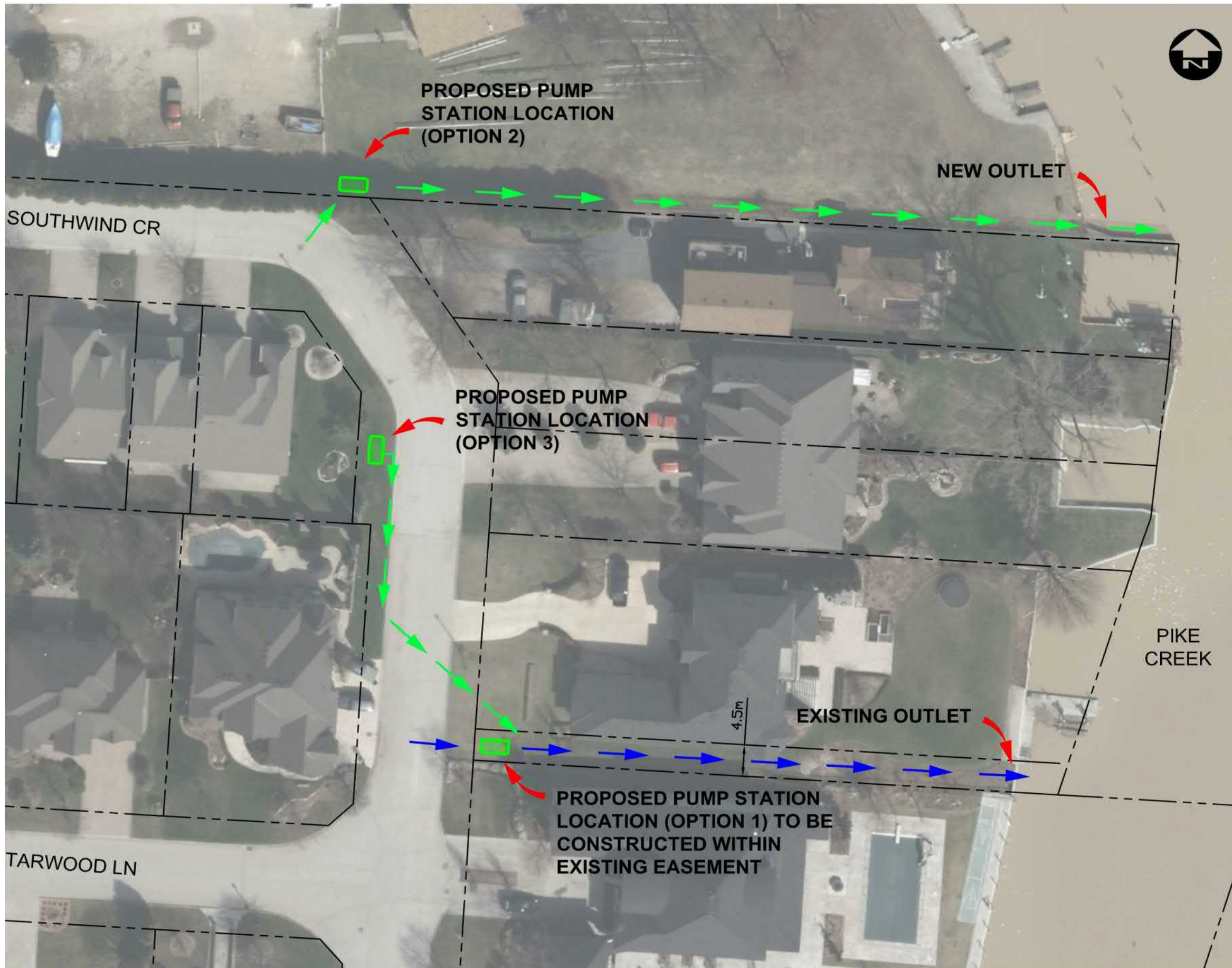
	ALTERNATIVE 1	ALTERNATIVE 2
ADVANTAGES	<ul style="list-style-type: none"> Effective solution for surface flooding within localized problem area. Limited traffic disruption during construction. 	<ul style="list-style-type: none"> Does not disrupt use of soccer fields. No maintenance easement required along private property. Greater level of service for storm sewer conveyance during more frequent storm events.
DISADVANTAGES	<ul style="list-style-type: none"> Temporary disruption to soccer fields during construction and during storm events beyond 1:100 year rainfall. Maintenance easement required around depressed area. 	<ul style="list-style-type: none"> Higher capital cost than Alternative 1. Difficult to construct: Utility conflicts within the roadway. Higher traffic disruption during construction.



MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:NTS

2



EVALUATION OF STARWOOD/
SOUTHWIND PS LOCATION
FIGURE D-5

- NEW PUMP STATION STRUCTURE
- ➔ PROPOSED STORM SEWER
- ➔ EXISTING STORM SEWER

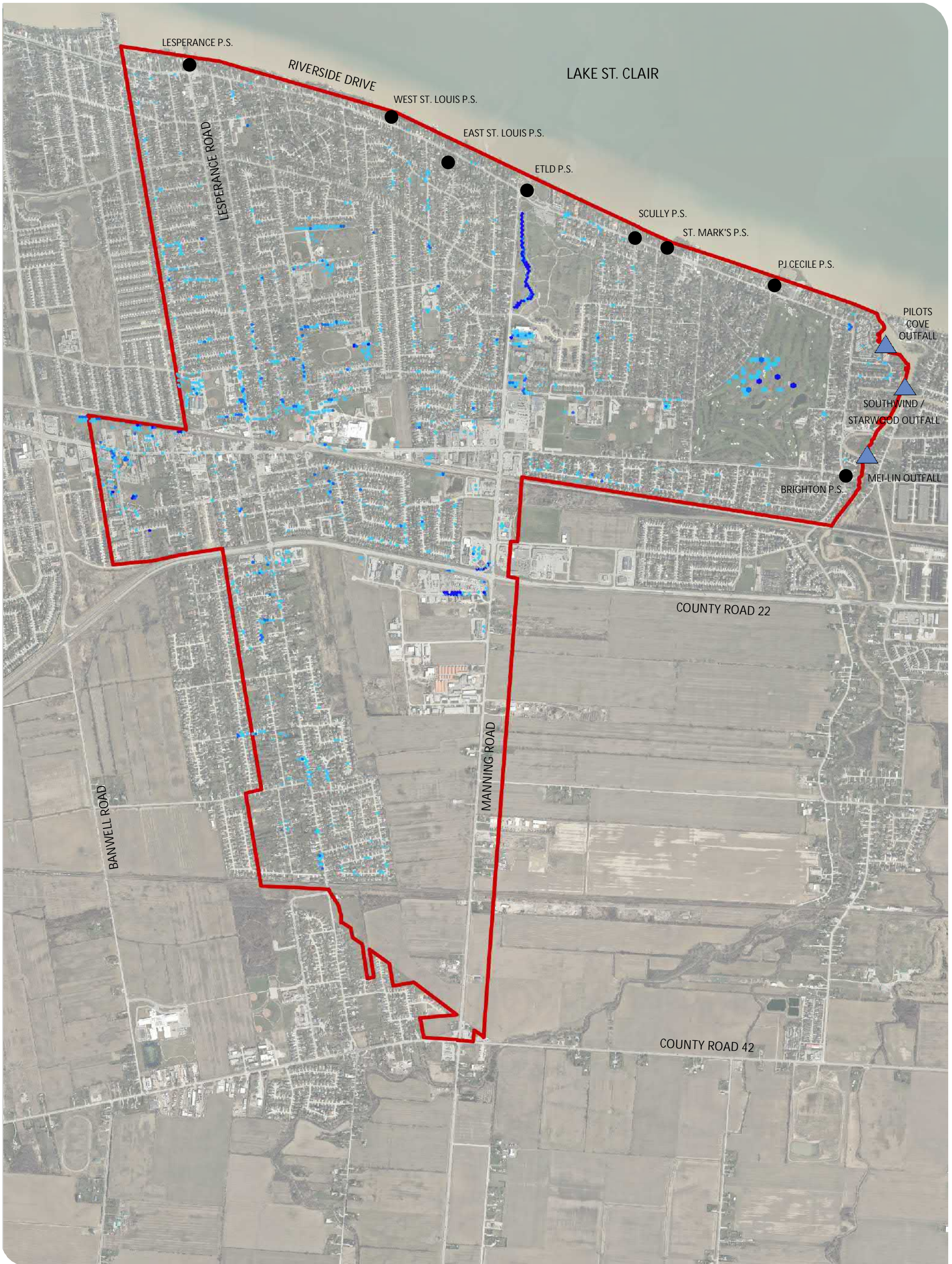
	ADVANTAGES	DISADVANTAGES
OPTION 1	<ul style="list-style-type: none"> • No additional property acquisition or easement required. • Maintain use of existing water quality treatment unit and outlet sewer. • Limited work within roadway. 	<ul style="list-style-type: none"> • Station and aboveground electrical panel along front side lot of residential home.
OPTION 2	<ul style="list-style-type: none"> • Station outside of existing subdivision area. • Limited work within roadway 	<ul style="list-style-type: none"> • Higher capital cost than Option 1 • Property acquisition or easement required. • New outlet to Pike Creek. • Loss of existing boat docks along property
OPTION 3	<ul style="list-style-type: none"> • No property acquisition or maintenance easement required. • Station and electrical panel located along side yard footage. 	<ul style="list-style-type: none"> • Higher capital cost than Option 1. • Increased construction within roadway. • Potential for existing utility conflicts.

MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:NTS

Appendix E







Future Condition 2D Surface Ponding Results

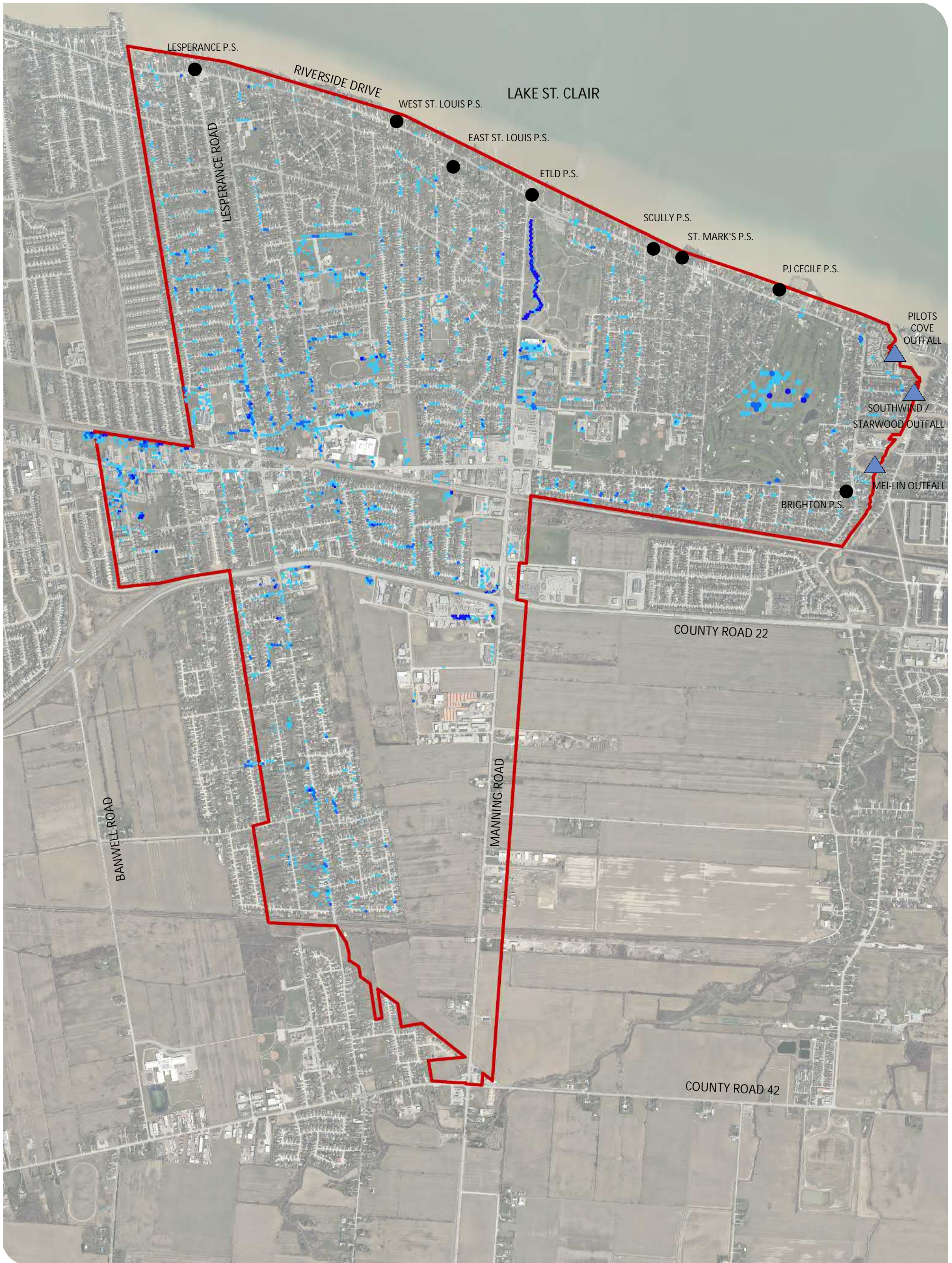


TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

FUTURE CONDITION 1:5 YEAR
4 HR SURFACE PONDING

FIGURE E-1







- | | |
|---|---|
|  SEWER GRAVITY OUTFALL |  SURFACE PONDING < 0.15m DEPTH |
|  PUMP STATION (P.S.) |  SURFACE PONDING BETWEEN 0.15m - 0.30m DEPTH |
|  STUDY AREA |  SURFACE PONDING > 0.30m DEPTH |

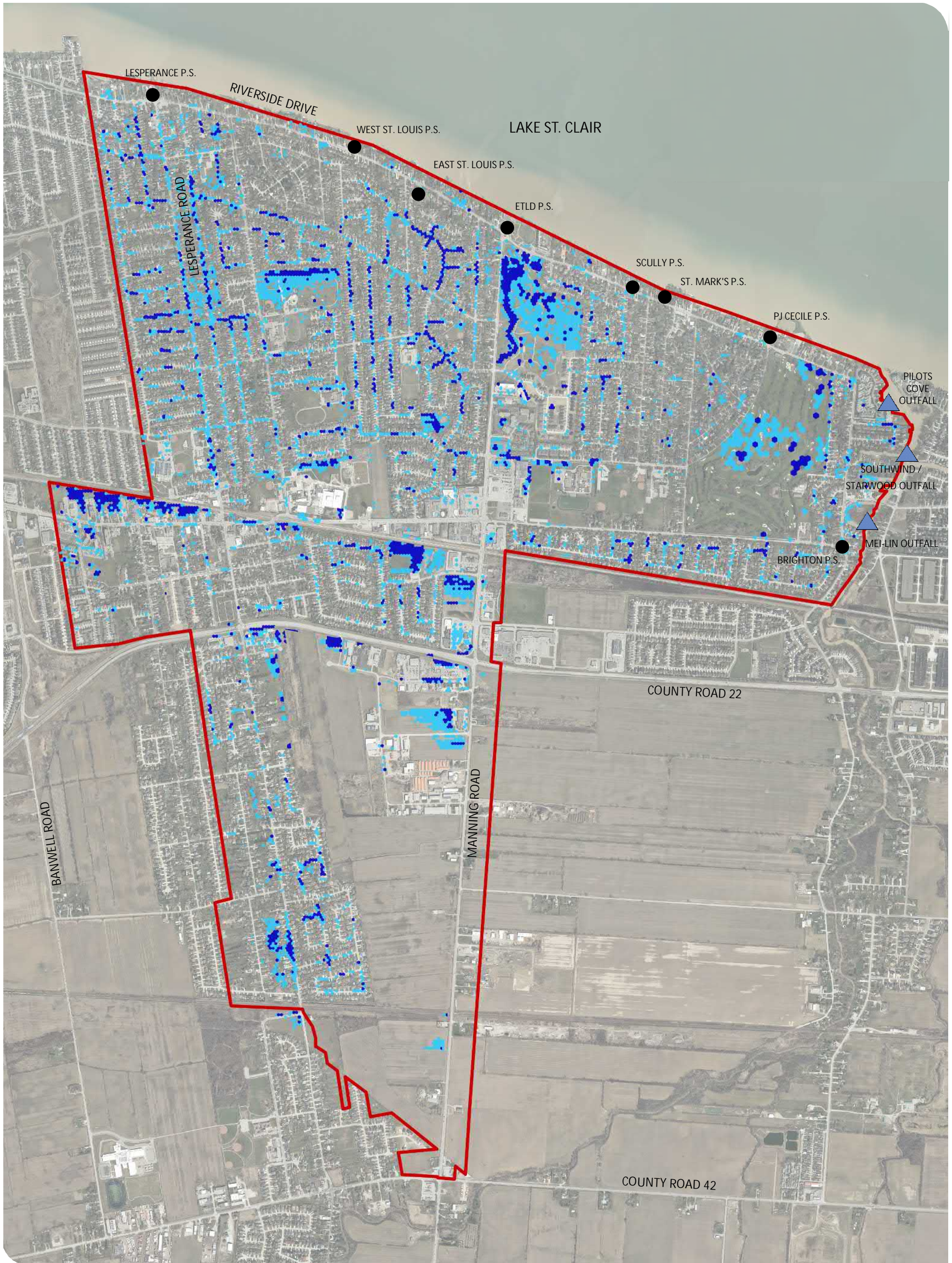


TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

FUTURE CONDITION 1:10 YEAR
4 HR SURFACE PONDING

FIGURE E-2

- | | |
|---|--|
|  SEWER GRAVITY OUTFALL |  SURFACE PONDING < 0.15m DEPTH |
|  PUMP STATION (P.S.) |  SURFACE PONDING BETWEEN 0.15m - 0.30m DEPTH |
|  STUDY AREA |  SURFACE PONDING > 0.30m DEPTH |



TOWN OF TECUMSEH
STORM DRAINAGE MASTER PLAN

FUTURE CONDITION 1:100 YEAR
24 HR + 39% SURFACE PONDING

FIGURE E-3

- SEWER GRAVITY OUTFALL
- PUMP STATION (P.S.)
- STUDY AREA
- SURFACE PONDING BETWEEN 0.15m - 0.30m DEPTH
- SURFACE PONDING > 0.30m DEPTH

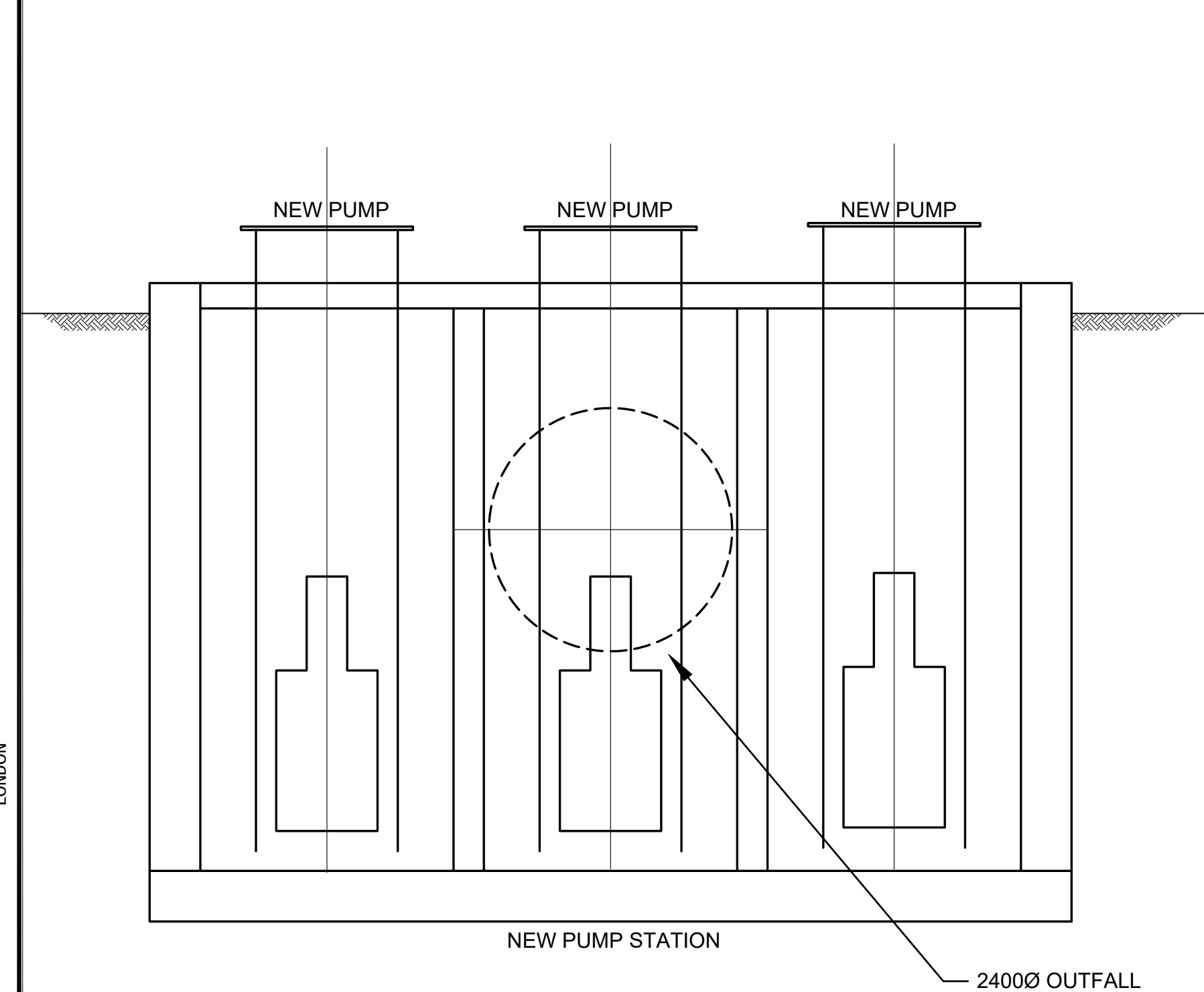
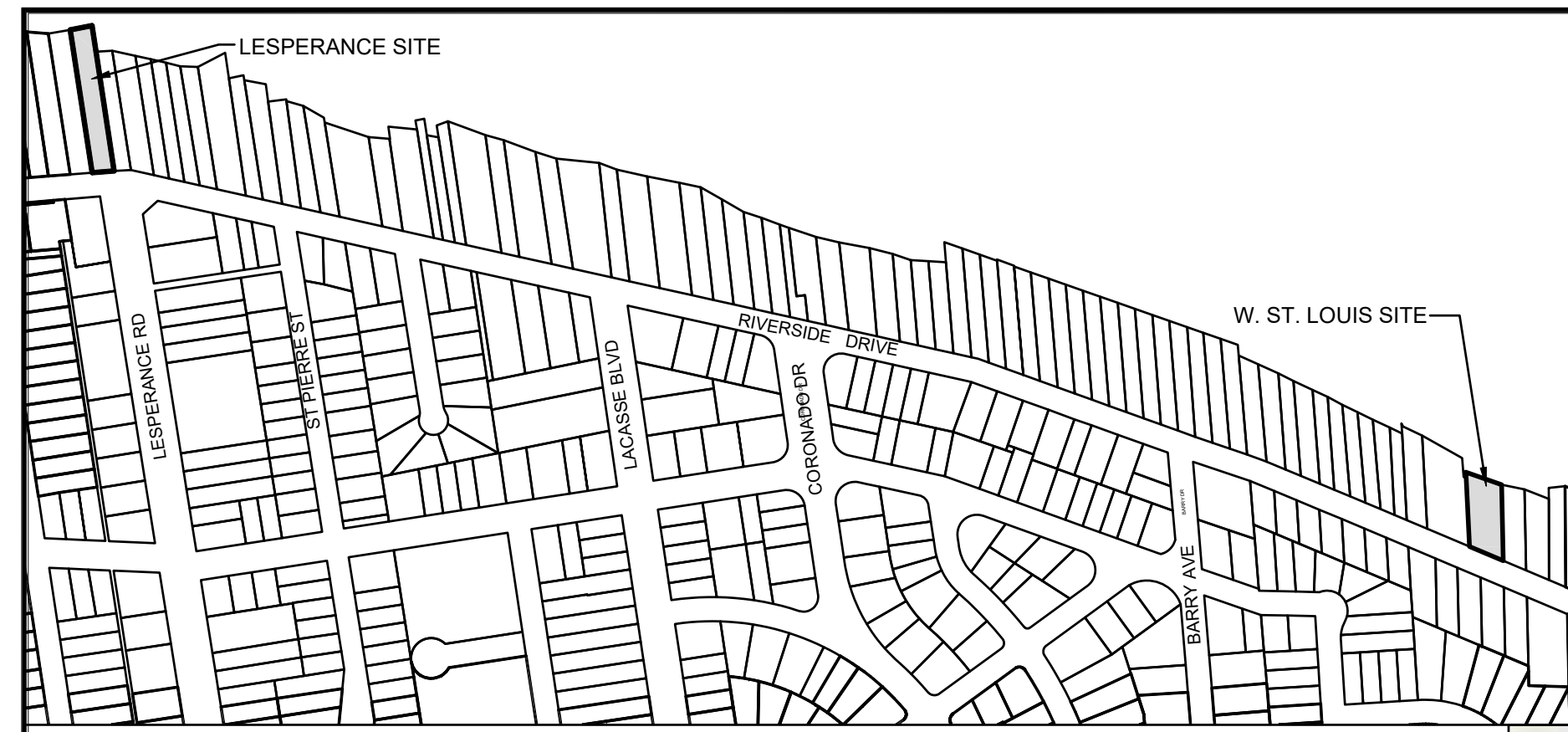


MAP CREATED BY: SZ
MAP CHECKED BY: RTL
MAP PROJECTION: NAD 1983 UTM Zone 17N

SCALE 1:NTS

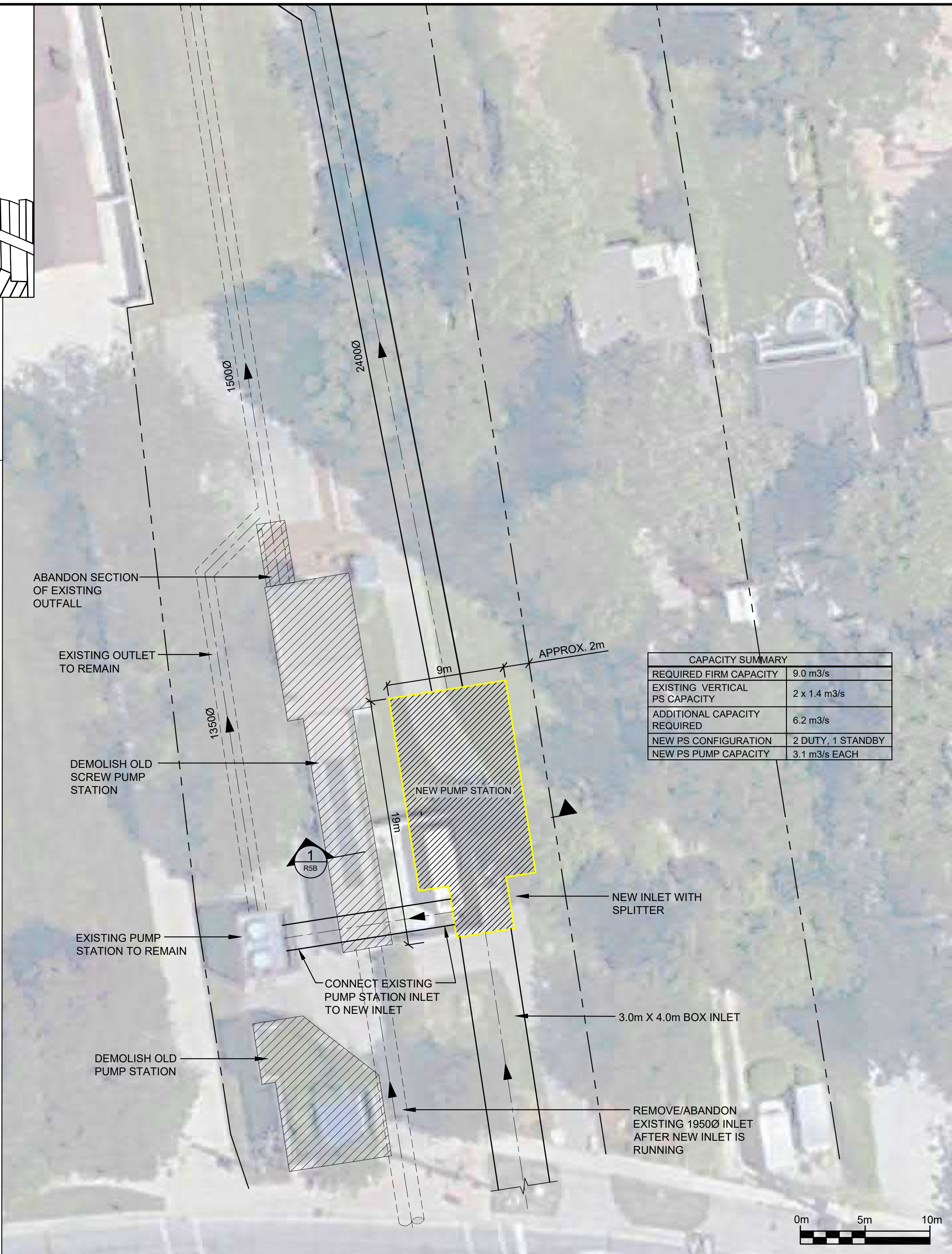
Appendix F

Pump Station Improvement Functional Design Drawings

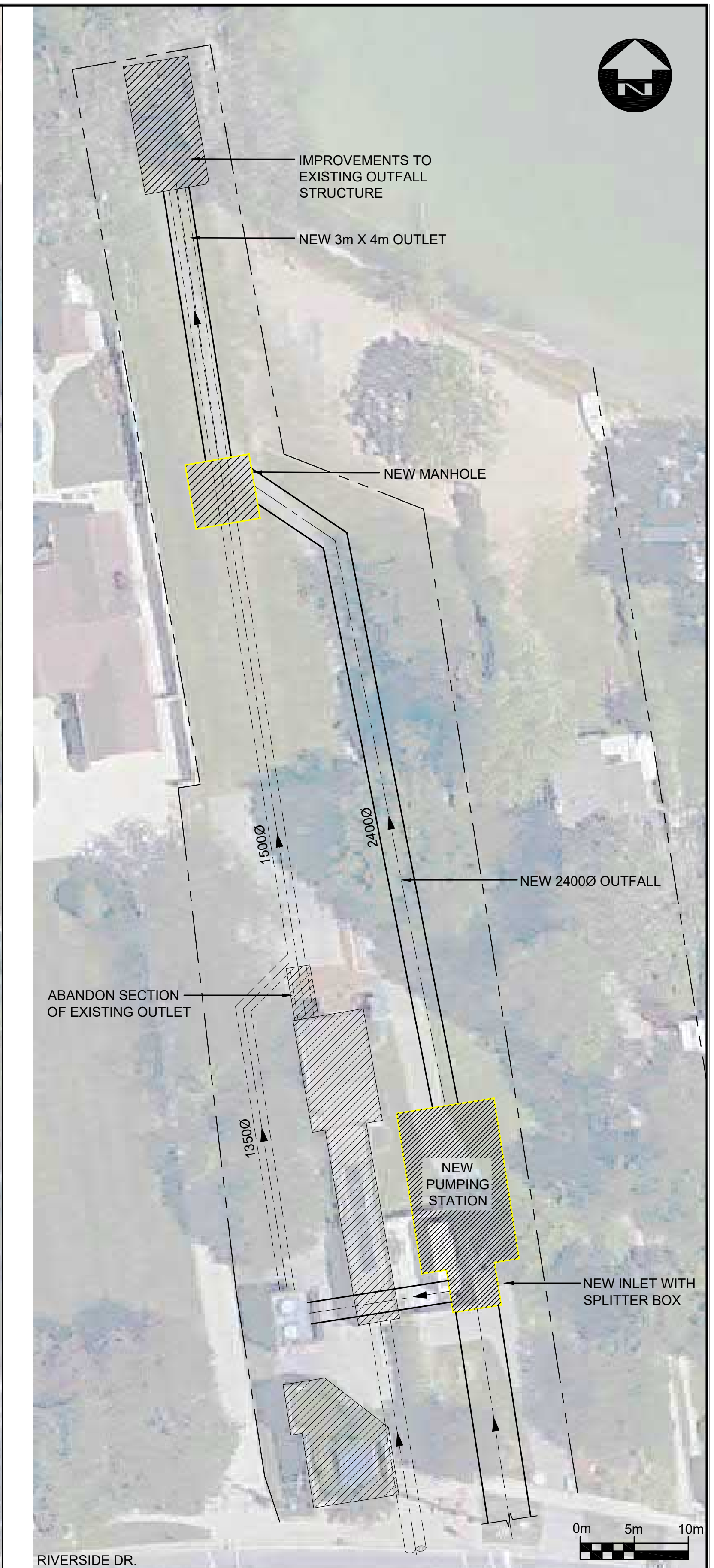


SECTION 1
RSB 1:50

LONDON



CAPACITY SUMMARY	
REQUIRED FIRM CAPACITY	9.0 m3/s
EXISTING VERTICAL PS CAPACITY	2 x 1.4 m3/s
ADDITIONAL CAPACITY REQUIRED	6.2 m3/s
NEW PS CONFIGURATION	2 DUTY, 1 STANDBY
NEW PS PUMP CAPACITY	3.1 m3/s EACH



Conditions of Use
Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.
Do not scale dimensions from drawing.
Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.

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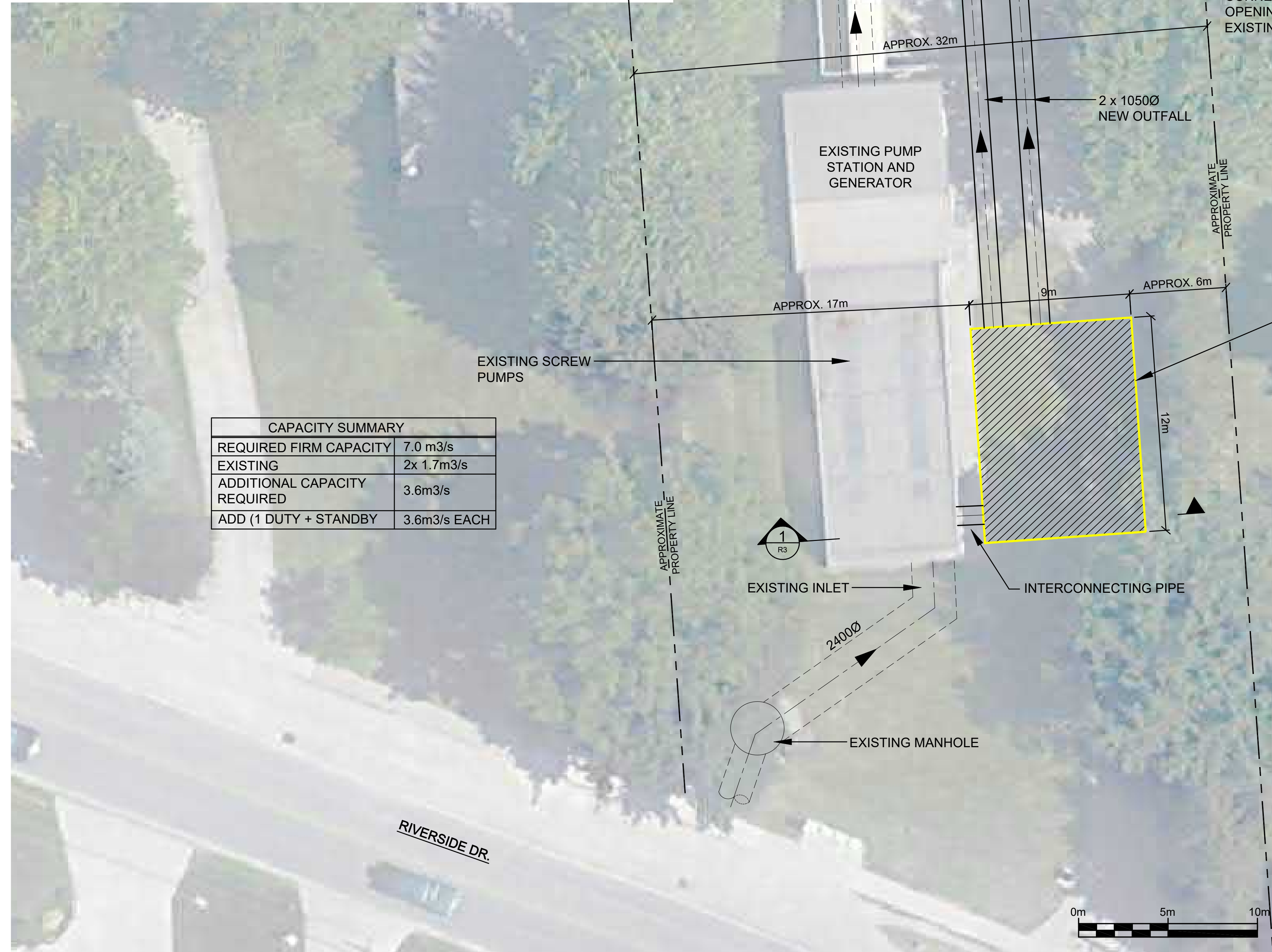
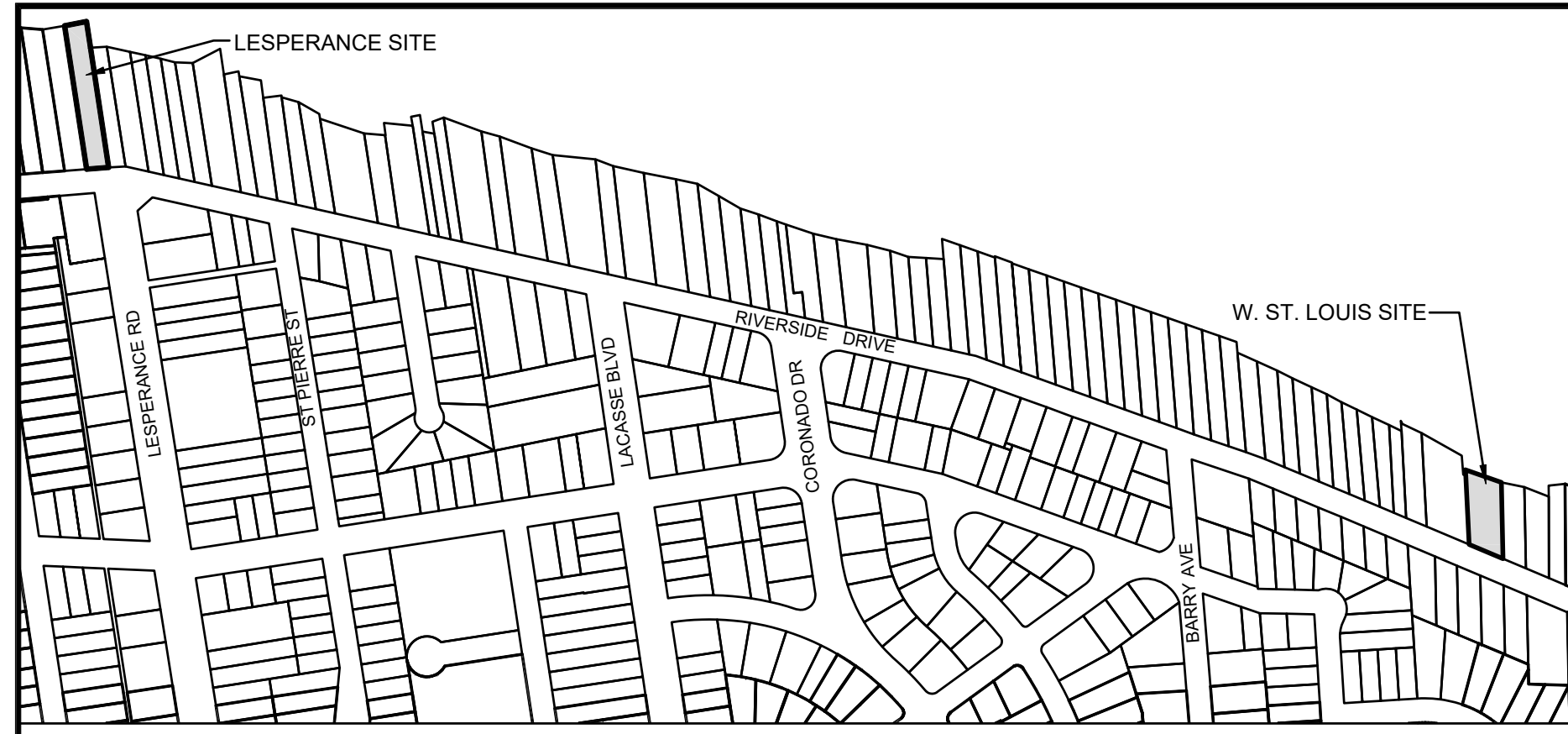


No.	ISSUED FOR	DATE	BY

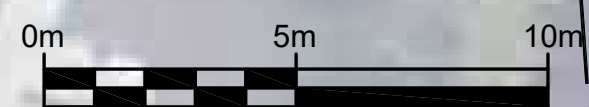
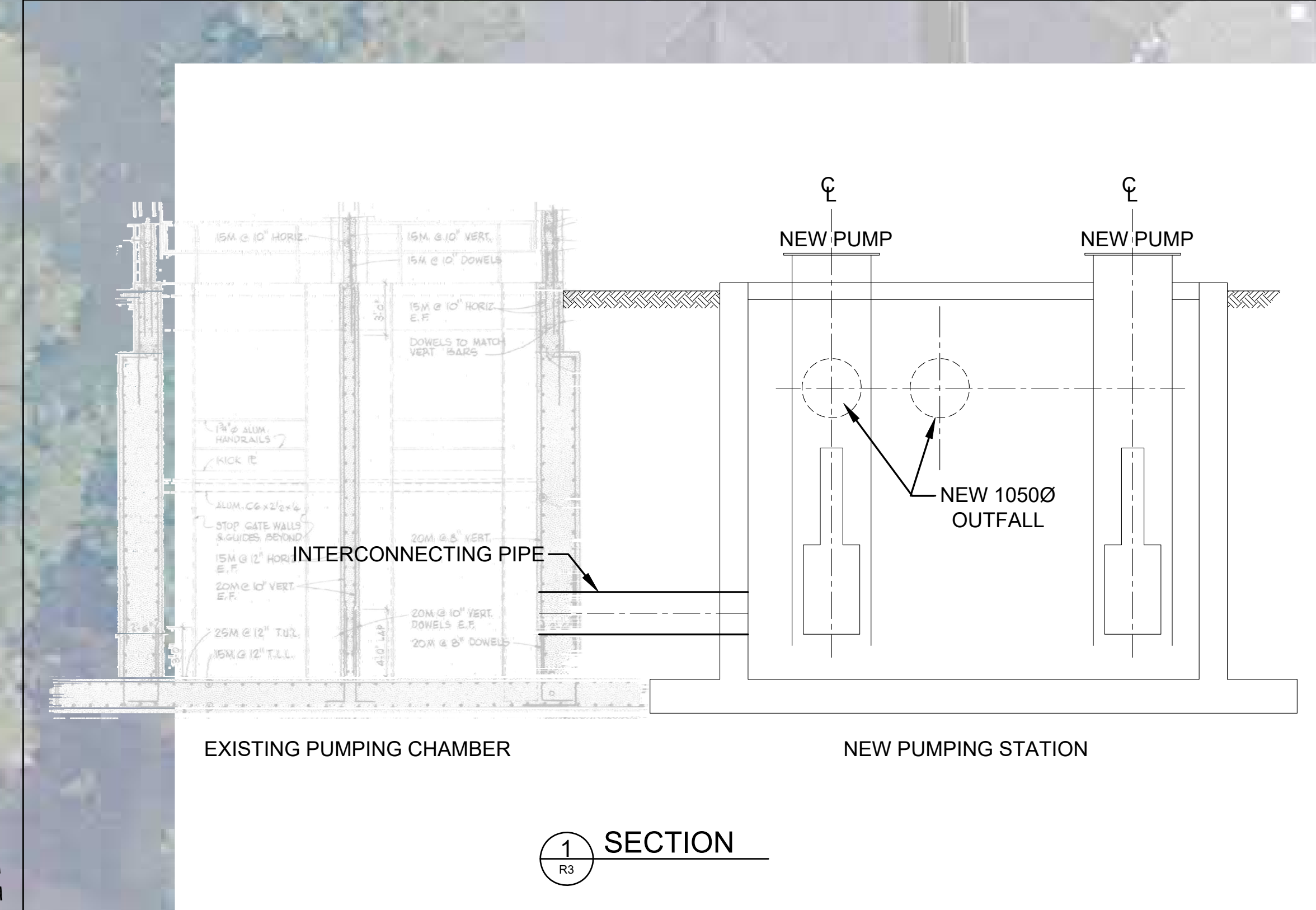
DESIGN	TC	REVIEWED BY	TC
DRAWN	SMZ	CHECKED BY	
DATE	JUNE 2019		
SCALE	1:150		

TOWN OF TECUMSEH
TECUMSEH MASTER DRAINAGE STUDY
LESPERANCE STORM PUMP STATION CONCEPTUAL LAYOUT

PROJECT NO.
16-4880
SHEET NO.
F-1



CAPACITY SUMMARY	
REQUIRED FIRM CAPACITY	7.0 m ³ /s
EXISTING	2x 1.7m ³ /s
ADDITIONAL CAPACITY REQUIRED	3.6m ³ /s
ADD (1 DUTY + STANDBY	3.6m ³ /s EACH



1 SECTION

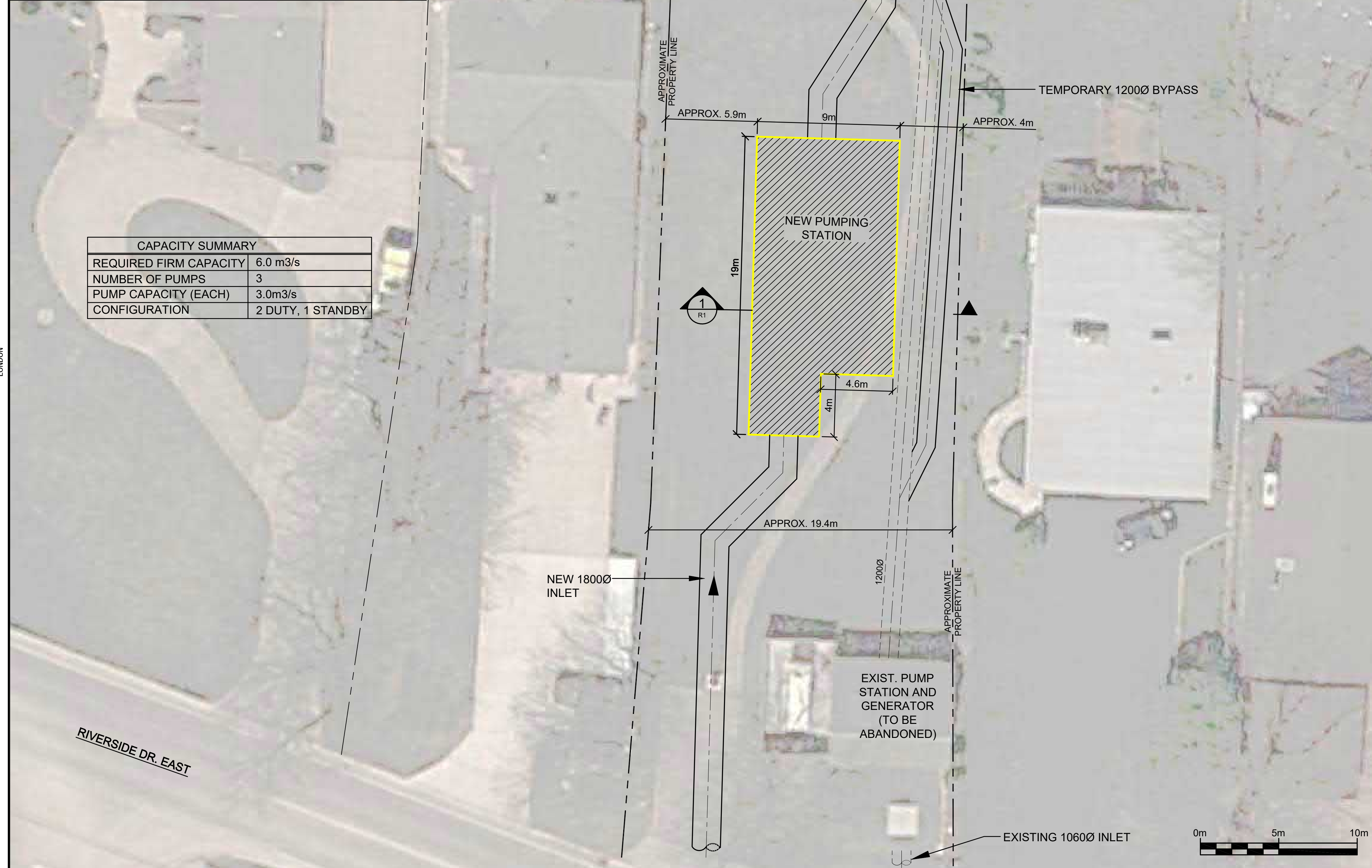
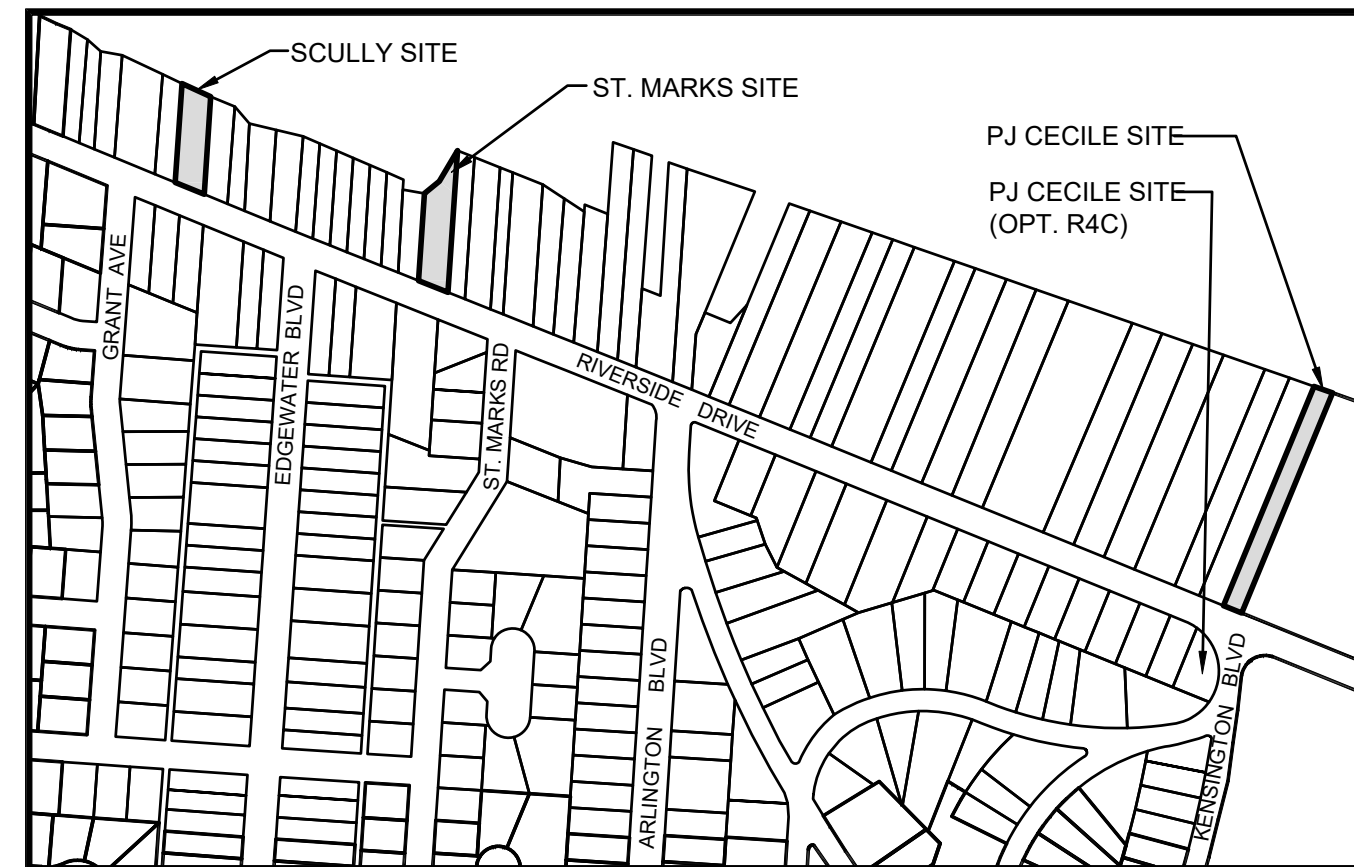
Conditions of Use
 Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.
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NOT TO BE USED FOR CONSTRUCTION

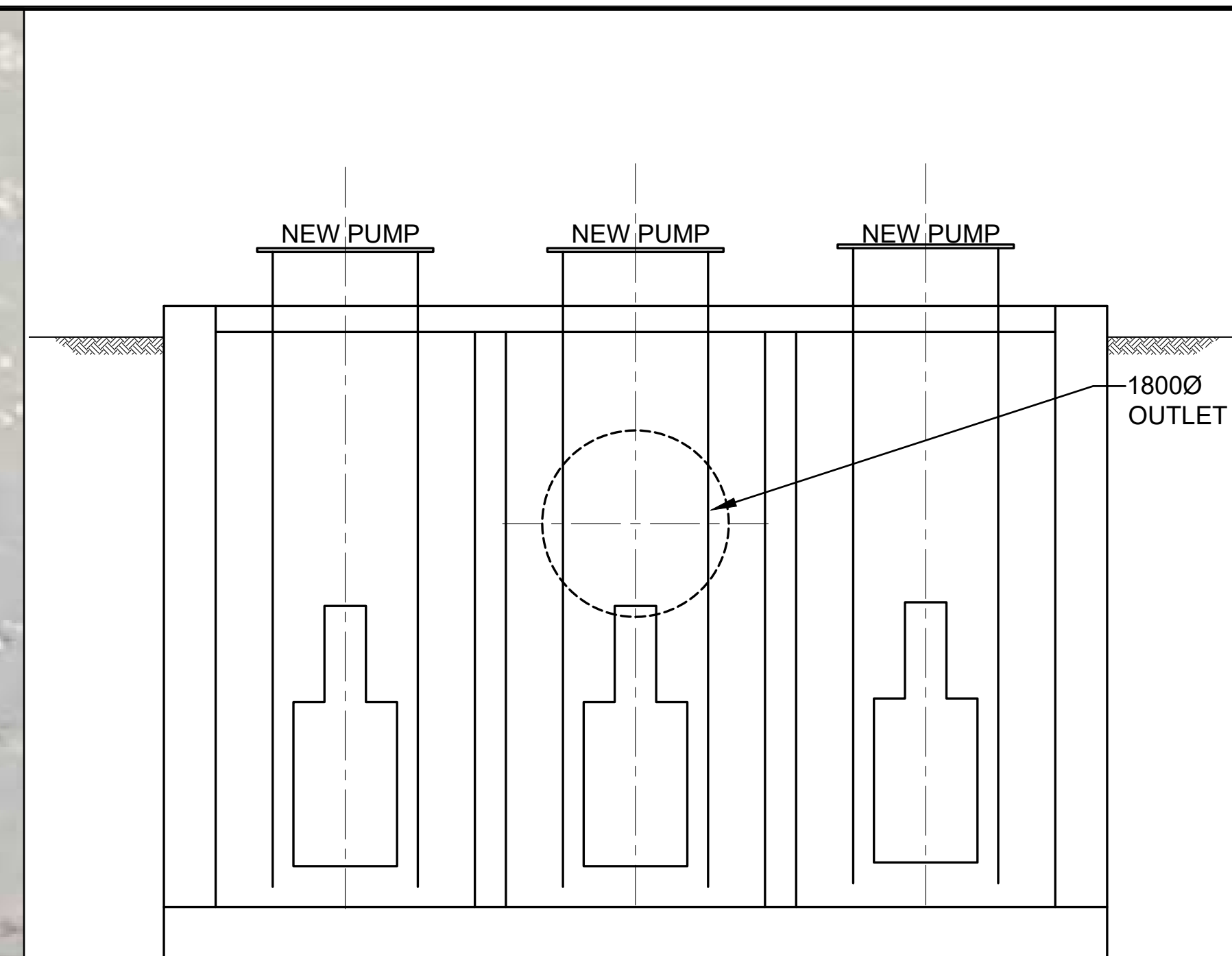


DESIGN	TC	REVIEWED BY	TC
DRAWN	SMZ	CHECKED BY	
DATE	JUNE 2019		
SCALE	1:150		
No.	ISSUED FOR	DATE	BY

TOWN OF TECUMSEH TECUMSEH MASTER DRAINAGE STUDY		PROJECT NO. 16-4880
WEST ST. LOUIS STORM PUMP STATION CONCEPTUAL LAYOUT		SHEET NO. F-2



CAPACITY SUMMARY	
REQUIRED FIRM CAPACITY	6.0 m ³ /s
NUMBER OF PUMPS	3
PUMP CAPACITY (EACH)	3.0m ³ /s
CONFIGURATION	2 DUTY, 1 STANDBY



NEW PUMPING STATION

1 SECTION
R1 1:50

LONDON

Conditions of Use
 Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.
 Do not scale dimensions from drawing.
 Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.

NOT TO BE USED FOR CONSTRUCTION

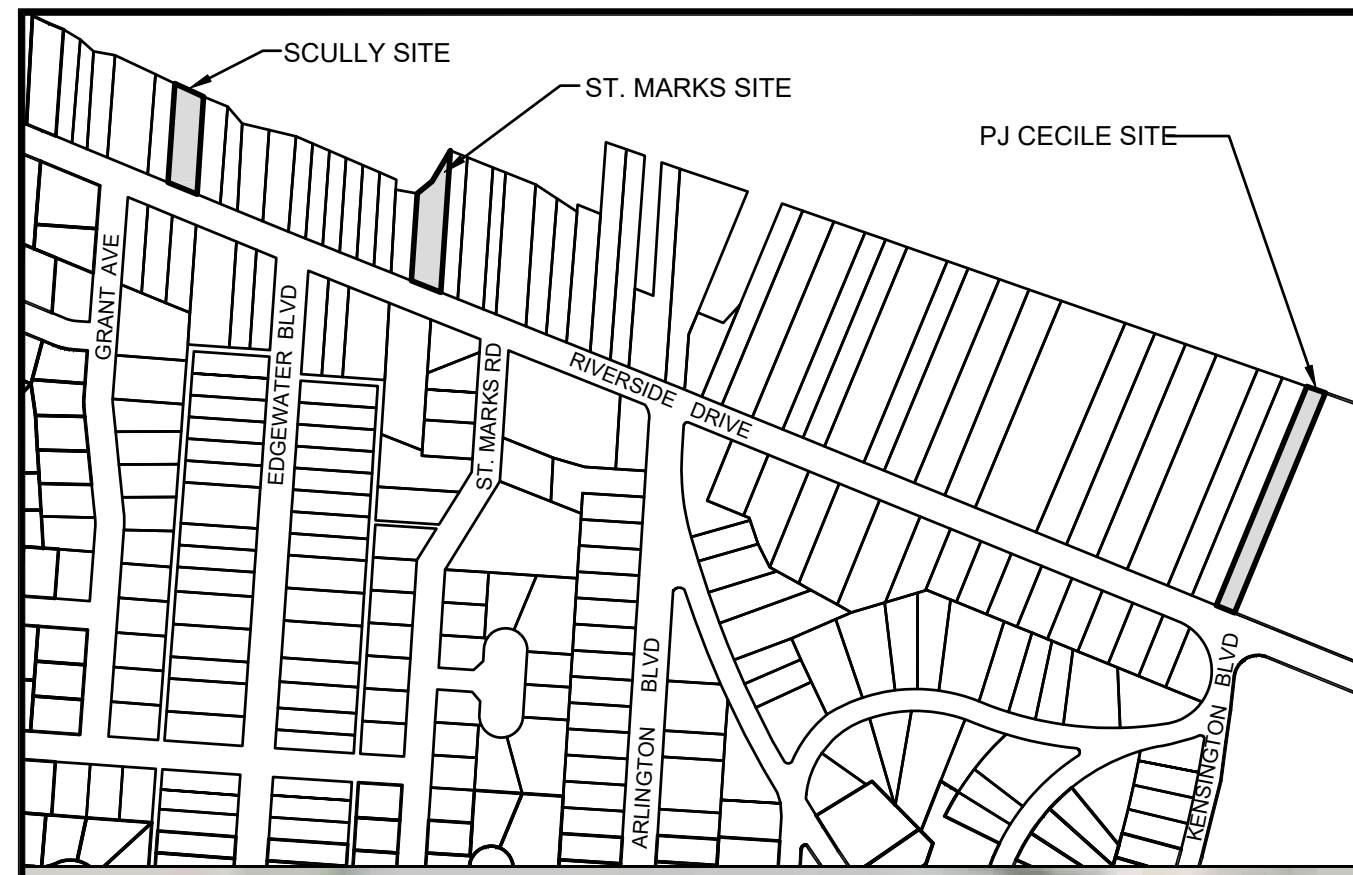


No.	ISSUED FOR	DATE	BY

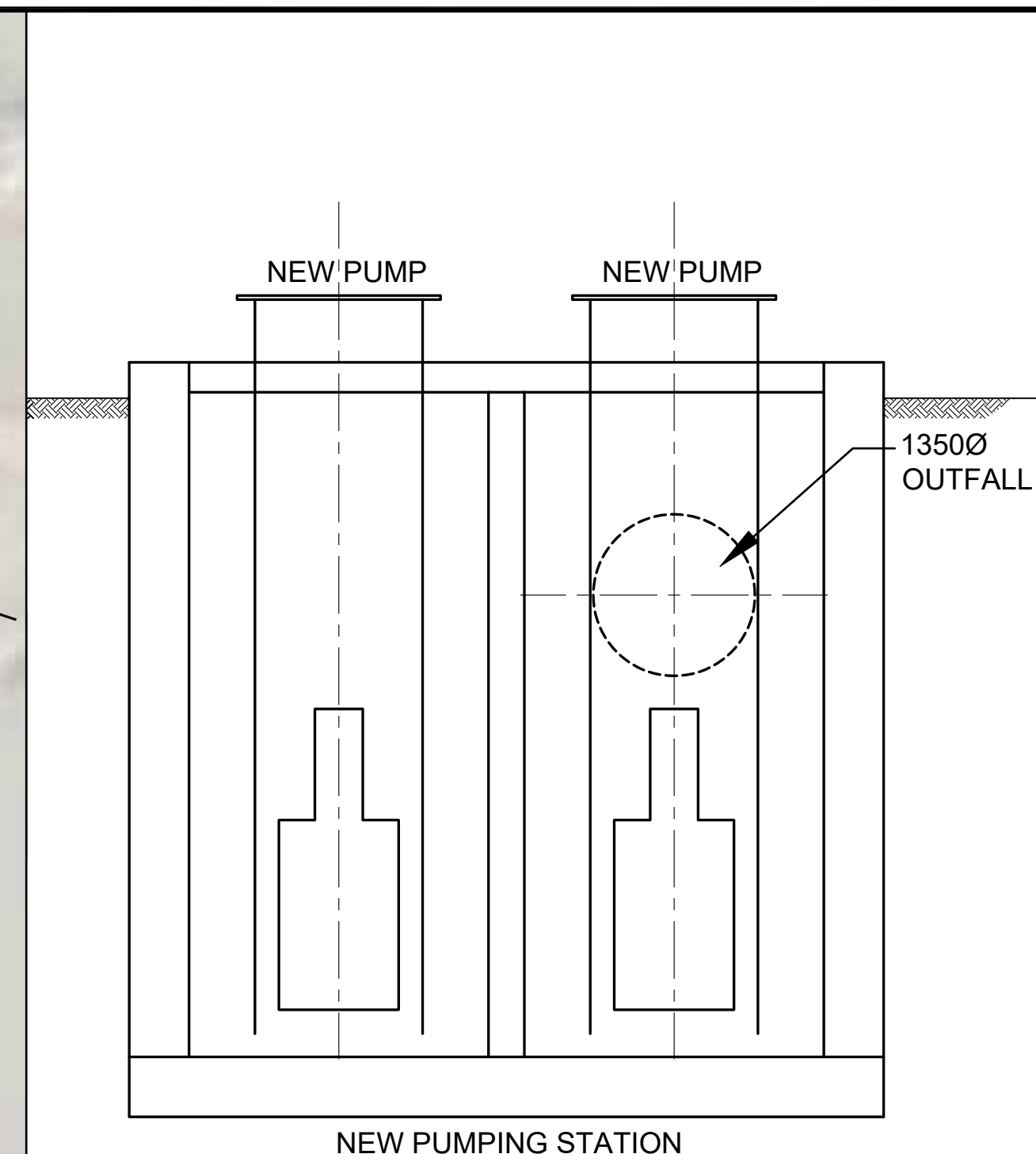
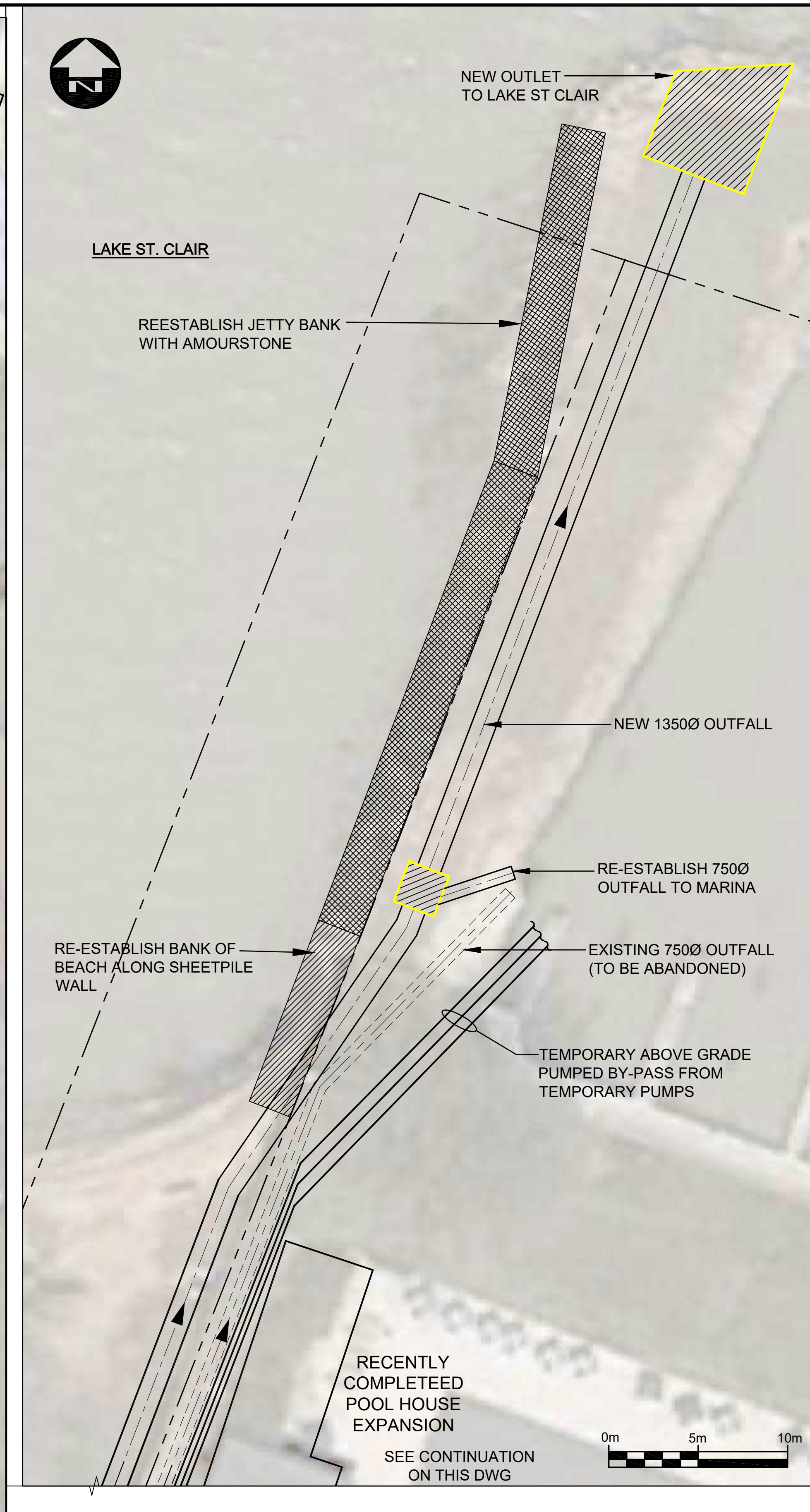
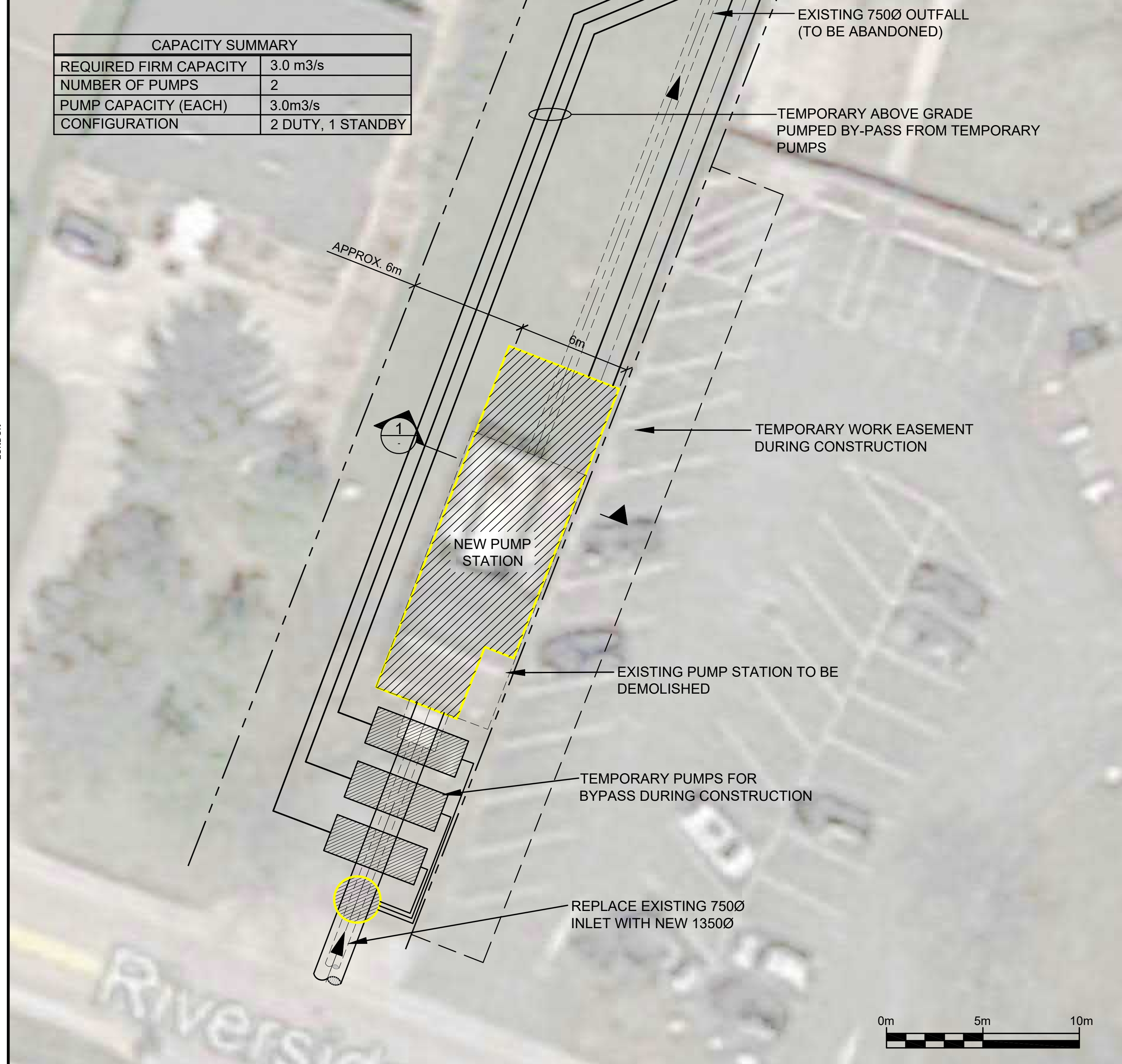
DESIGN	TC	REVIEWED BY	TC
DRAWN	SMZ	CHECKED BY	-
DATE	JUNE 2019		
SCALE	1:150		

TOWN OF TECUMSEH
 TECUMSEH MASTER DRAINAGE STUDY
**CONSOLIDATED SCULLY/ST. MARKS
 STORM PUMP STATION CONCEPTUAL LAYOUT
 (SCULLY SITE)**

PROJECT NO.
16-4880
 SHEET NO.
F-3



CAPACITY SUMMARY	
REQUIRED FIRM CAPACITY	3.0 m ³ /s
NUMBER OF PUMPS	2
PUMP CAPACITY (EACH)	3.0m ³ /s
CONFIGURATION	2 DUTY, 1 STANDBY



1 SECTION
R4B 1:50

LONDON

Conditions of Use

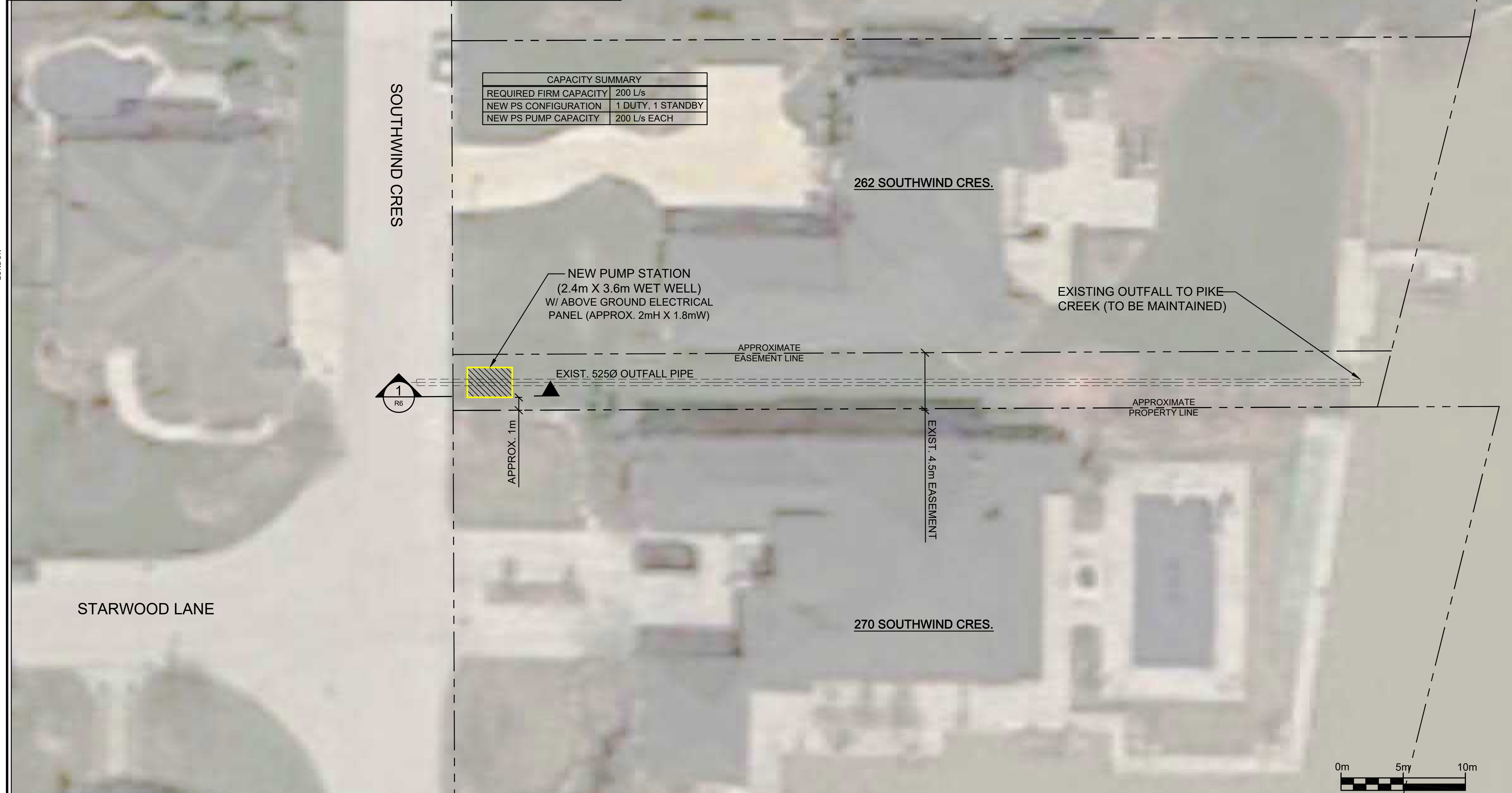
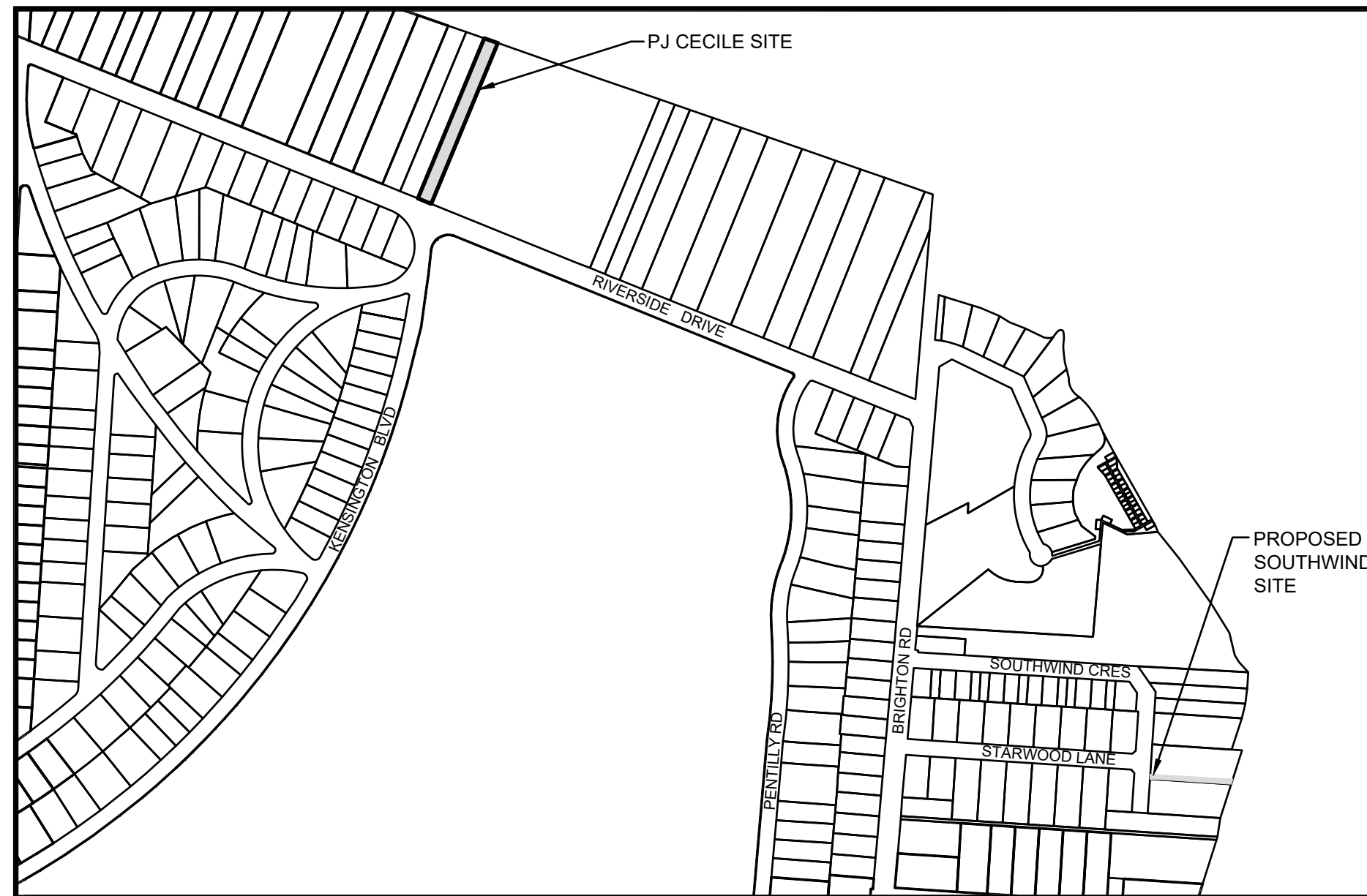
Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.
Do not scale dimensions from drawing.
Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.

NOT TO BE USED FOR CONSTRUCTION

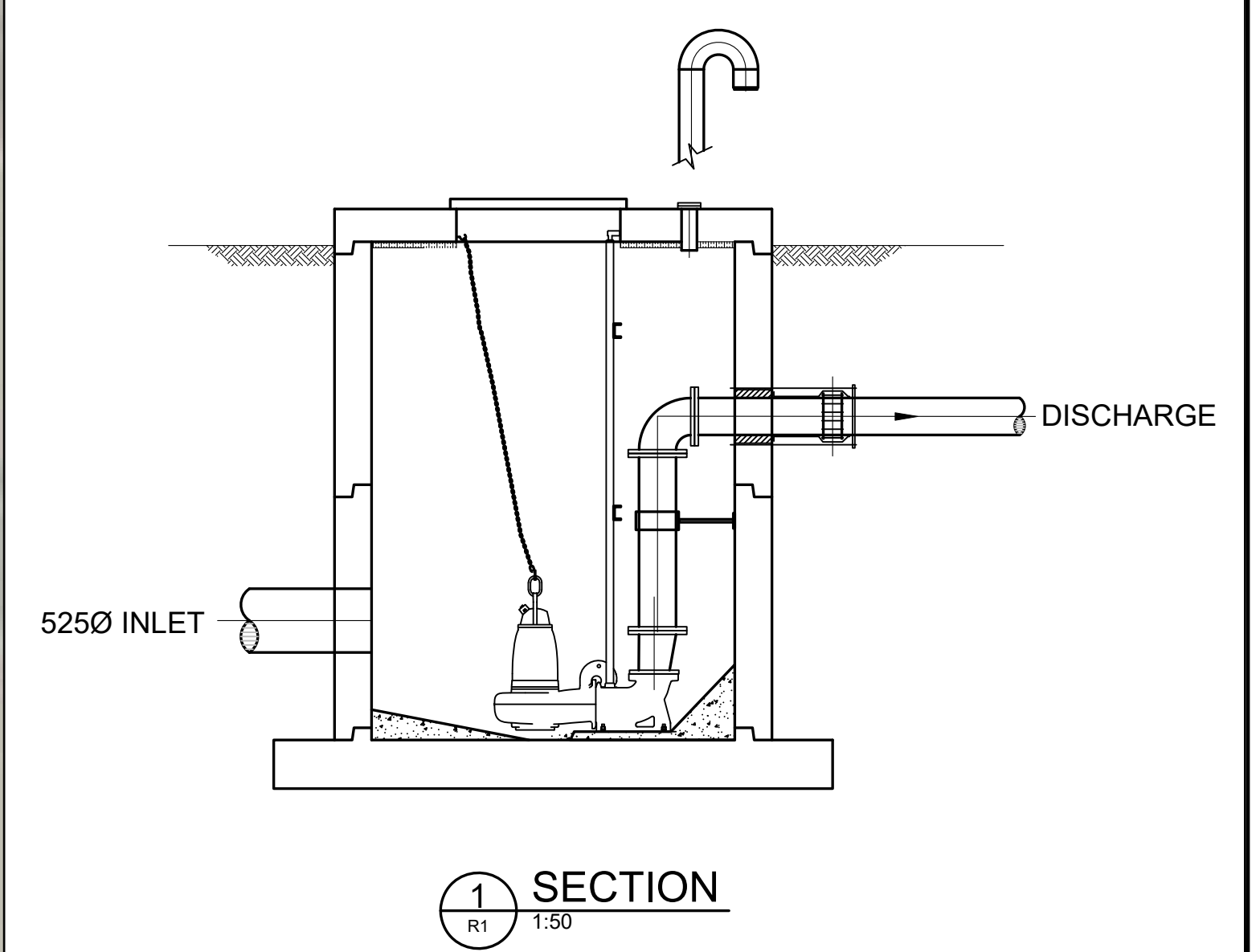


DESIGN	TC	REVIEWED BY	TC
DRAWN	SMZ	CHECKED BY	-
DATE	JUNE 2019		
SCALE	AS NOTED		
No.	ISSUED FOR	DATE	BY

TOWN OF TECUMSEH TECUMSEH MASTER DRAINAGE STUDY		PROJECT NO. 16-4880
PJ CECILE STORM PUMP STATION CONCEPTUAL LAYOUT		SHEET NO. F-4



CAPACITY SUMMARY	
REQUIRED FIRM CAPACITY	200 L/s
NEW PS CONFIGURATION	1 DUTY, 1 STANDBY
NEW PS PUMP CAPACITY	200 L/s EACH



LONDON

Conditions of Use
 Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.
 Do not scale dimensions from drawing.
 Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.

NOT TO BE USED FOR CONSTRUCTION



DESIGN	TC	REVIEWED BY	TC
DRAWN	SMZ	CHECKED BY	-
DATE	JUNE 2019		
SCALE	1:150		
No.	ISSUED FOR	DATE	BY

TOWN OF TECUMSEH TECUMSEH MASTER DRAINAGE STUDY		PROJECT NO. 16-4880
PROPOSED SOUTHWIND SITE		SHEET NO. F-5