Sanitary Sewer Servicing Study for Lands Annexed from the Town of Tecumseh

Addendum to Class Environmental Assessment Study



Prepared for: Corporation of the City of Windsor

Prepared by: Stantec Consulting Ltd.

Sign-off Sheet

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EXECUTIVE SUMMARY

GENERAL

The City has been requested by Royal Quality Homes to provide sanitary sewer servicing to two parcels located in the southeast corner of 7th Concession Road and Baseline Road that are proposed for development. It is identified in the Schedule 'B' Class Environmental Assessment (completed in June 2006) that wastewater from these two parcels is ultimately to be conveyed to the Lou Romano Water Reclamation Plant (LRWRP) via a future trunk sewer on 7th Concession Road. However, since the trunk sewer on 7th Concession Road cannot be constructed in the near future, the developer is requesting to allow the two parcels to outlet to the newly constructed Sandwich South Employment Lands (SSEL) Trunk Sewer along 8th Concession Road to Little River Pollution Control Plant (LRPCP). Two adjacent benefitting properties were also permitted the same opportunity due to their location and the economic benefit of servicing the properties using the same infrastructure that services the Royal Quality Homes properties.

In order to address the immediate need for development of the subject lands, the City intends to utilize the newly constructed SSEL Trunk Sewer along the 8th Concession to convey wastewater from the subject lands to the LRPCP for treatment. Changes to wastewater servicing strategies for the subject lands are therefore needed to address whether sufficient capacity is available in the SSEL Trunk Sewer along 8th Concession Road and downstream to accommodate the additional flow from the two parcels proposed for development.

This addendum is the documentation of changes to the Environmental Study Report (ESR) related to the sanitary sewer servicing for the Royal Quality Homes and benefitting properties. The addendum comprises Sections 1 to 4 and Appendices A to C inclusive. A brief description of each section follows.

SECTION 1 – INTRODUCTION

This section describes circumstances necessitating an ESR addendum for the Sanitary Sewer Servicing Study for Lands Annexed from the Town of Tecumseh. The addendum has been prepared in accordance with the Class EA process.

SECTION 2 – REVISIONS TO SANITARY SEWER SERVICING

This section describes the revisions required to the Schedule 'B' Class Environmental Assessment completed in 2006 and amendment made in 2010 in order to address the immediate need for the development of the subject lands.



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SECTION 3 – WASTEWATER FLOWS

This section outlines the existing and future projected wastewater flows based on the ESR, and the predicted wastewater flows from the four parcels proposed for development obtained from Haddad, Morgan and Associates Ltd. to establish design parameters.

SECTION 4 - ENVIRONMENTAL IMPACTS OF PROPOSED DESIGN

This section provides an overview of the potential impacts of the proposed design and proposed methods of mitigation.



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1.0 INTRODUCTION

1.1 BACKGROUND

The lands annexed from the Town of Tecumseh are located in the southeast corner of the City of Windsor as shown in **Figure 1.1**. These lands are generally bounded by Highway 401 to the south, the E.C. Row Expressway to the north, Walker Road to the west and a portion of Banwell Road to the east. The dominant land use in this region is rural agricultural, with small areas of residential and industrial development. Prior to any new development occurring within this area, sanitary sewer servicing is required. The proposed service areas of the annexed lands are depicted in **Figure 1.1** based on the ESR. The lands are now known as the Sandwich South Employment Lands (SSEL).

The City of Windsor completed Schedule 'B' Class Environmental Assessment for Sanitary Sewer Servicing for Lands Annexed from the Town of Tecumseh in June 2006, henceforth denoted as the ESR, and an amendment was made in 2010. The ESR was prepared in accordance with the Class EA process to implement the preferred solution which maximizes the use of the existing infrastructure and provides capacity for new growth in designated growth areas within the annexed lands. The completed ESR and amendments identify the preferred alternative to be the expansion of the Little River Pollution Control Plant (LRPCP) sanitary service area to include the SSEL as well as areas from the adjacent Town of Tecumseh and the Hamlet of Oldcastle. This alternative involves the multi-phase installation of a new trunk sanitary sewer from the LRPCP to the southern limits of the service area. Figure 1.2 from the ESR and the addendum illustrates the recommended alternative and shows a route for the proposed trunk sewer, which has been newly constructed by the City of Windsor. The newly constructed trunk sewer is now known as the Sandwich South Employment Lands (SSEL) Trunk Sewer.

There are two parcels proposed for development by Royal Quality Homes and two additional potential benefitting properties, all of which are located in the southeast corner of 7th Concession Road and Baseline Road. **Figure 1.3** shows the locations of the four parcels. Prior to any new development occurring within the four parcels, sanitary sewer servicing is required.

It is identified in the ESR that wastewater from the Royal Quality Homes parcels and the adjacent benefitting properties is ultimately to be conveyed to the Lou Romano Water Reclamation Plant (LRWRP) via a future trunk sewer on the 7th Concession Road. **Figure 1.2** shows the sanitary drainage areas within the annexed lands as proposed in the ESR. However, since the trunk sewer on 7th Concession Road cannot be constructed in the near future, the four parcels cannot be serviced by the LRWRP as outlined in the ESR to accommodate the immediate need related to the development of the lands. Consequently, Royal Quality Homes is requesting that the City amend the ESR to allow their two parcels to outlet to the newly constructed SSEL Trunk Sewer along 8th Concession Road. The adjacent benefiting properties were included in the request due to the economic benefit of servicing the lands using the same infrastructure.



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To accommodate the sanitary sewer servicing component of these developments in the near future, changes to the sanitary sewer servicing for the Royal Quality Homes and the adjacent benefitting properties parcels are needed. Accordingly, this addendum addresses the changes to the ESR related to the sanitary sewer servicing for the four parcels. This addendum should be read in conjunction with the ESR and the addendum made in 2010.

1.2 CIRCUMSTANCES NECESSITATING THE ESR ADDENDUM

The ESR dated June 2006 has documented a Wastewater Servicing Strategy that will provide an ultimate servicing scheme to maximize the use of existing infrastructure and provide capacity for new development in the SSEL. As shown in **Figure 1.2**, the annexed land sanitary sewer servicing strategy includes the construction of one trunk sewer to the LRPCP.

The City of Windsor has recently constructed the SSEL Trunk Sewer serving the SSEL and a portion of Town of Tecumseh. The trunk sewer starts south of Highway 401 and ultimately connects to the existing sewer along Banwell Road near Windsor's western border with Tecumseh and south of the E.C. Row Expressway, as shown in **Figure 1.2**. From there, the sewer conveys sanitary sewage to the LRPCP for treatment.

Due to the proximity of the Royal Quality Homes and the adjacent benefitting properties parcels to the newly built SSEL Trunk Sewer, the City has indicated that changes to sanitary sewer servicing for the four parcels from the LRWRP service area to the LRPCP service area could be easily implemented to address the immediate need related to the development of the Royal Quality Homes and adjacent parcels, provided that there is enough capacity to support the change. The newly built trunk sewer could permit the immediate sanitary servicing of the four parcels and divert the flow to the LRPCP instead of the LRWRP, thereby addressing the development servicing requests.

After a thorough review of the alternatives, the City has decided to proceed in accordance with the Class EA process and prepare an Addendum to the ESR that documents the changes to the sanitary sewer servicing area.

1.3 ESR AMENDING PROCEDURE

The planning process outlined in the Municipal Class Environmental Assessment by the Municipal Engineers Association (MEA), October 2000, as amended in 2011, recognizes that a project may not proceed in the manner outlined in the Environmental Study Report (ESR) due to unforeseen circumstances. The ESR and the addendum made in 2010 were prepared in accordance with the Class EA process.

Section A.4.2.2 from the MEA Document (October 2000, as amended in 2011) - Revisions and Addenda to the ESR, under the heading "Change in Project or Environment", states:



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"Due to unforeseen circumstances, it may not be feasible to implement the project in the manner outlined in the ESR. Any significant modification to the project or change in the environmental setting for the project which occurs after the filing of the ESR shall be reviewed by the proponent and an addendum to the ESR shall be written. The addendum shall describe the circumstances necessitating the change, the environmental implications of the change, and what, if anything can and will be done to mitigate any negative environmental impacts. The addendum shall be filed with the ESR and Notice of Filing of Addendum shall be given immediately to all potentially affected members of the public and review agencies as well as those who were notified in the preparation of the original ESR.

A period of 30 calendar days following the issue of the Notice of Filing of Addendum shall be allowed for review and response by affected parties. The Notice shall include the public's right to request a Part II Order within the 30-day review period. If no request is received by the Minister, the proponent is free to proceed with the implementation and construction. During the 30-day addendum review period, no work shall be undertaken that will adversely affect the matter under review. Furthermore, where implementation of a project has already commenced, those portions of the project which are the subject of the addendum, or have the potential to be directly affected by the proposed change, shall cease and shall not be reactivated until the termination of the review period."

This Addendum to the ESR has been prepared in accordance with the above requirements.



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2.0 REVISIONS TO SANITARY SEWER SERVICING AREA

Subsequent to the completion of the ESR and amendment made in 2010, the City of Windsor was able to secure Senior Government grants that enabled construction of a trunk sanitary sewer within the annexed lands as depicted on **Figure 1.3**, namely the SSEL Trunk Sewer. The trunk sewer provides direct conveyance for the future local wastewater collection system, which will consist of the sewers extending down to the service level for each user.

The subject parcels proposed for the development of Royal Quality Homes and the adjacent benefitting properties are situated in the southeast corner of 7th Concession Road and Baseline Road and covers approximately 50 hectares. The four parcels are proposed to be developed as residential properties. It is identified in the ESR that the Royal Quality Homes parcels and the adjacent benefitting properties parcels were initially to be serviced by the LRWRP in the City of Windsor. The annexed lands service area boundary proposed in the ESR dated June 2006 is shown on **Figure 1.2**. The boundaries of the sewage service areas are dictated by the capacity of the corresponding sanitary sewer system.

Wastewater from the four parcels is planned to be ultimately conveyed to the LRWRP via a future trunk sewer on 7th Concession Road. Wastewater flow from the subject parcels to the LRWRP as outlined in the ESR cannot be permitted until the construction of the trunk sewer on 7th Concession Road is completed. Currently, there are no plans to construct the trunk sanitary sewer on 7th Concession Road in the near future.

Royal Quality Homes is consequently requesting to allow their two parcels to outlet to the newly constructed SSEL Trunk Sewer along 8th Concession Road, to allow for development in the near future. The adjacent benefiting properties were included in the request due to the economic benefit of servicing the lands using the same infrastructure.

In order to address the immediate need for the development of the Royal Quality Homes lands, the City intends to utilize the newly constructed SSEL Trunk Sewer, allowing wastewater from the subject lands to be conveyed by the SSEL Trunk Sewer to the LRPCP for treatment. The service area boundary within the annexed lands for the LRPCP was revised as depicted on **Figure 1.3**.



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3.0 WASTEWATER FLOWS

3.1 PREDICTED SANITARY FLOWS FROM THE FOUR PARCELS TO THE LRPCP

Municipal wastewater flows are made up of waste discharges from residential, commercial, industrial and institutional establishments plus extraneous non-waste flow components from sources such as groundwater and surface runoff.

Based on inputs received from the consulting engineer retained by the developer (Haddad, Morgan and Associates Ltd.), the two Royal Quality Homes parcels and the two adjacent benefitting properties will be developed as residential. Projected wastewater flow from the four parcels obtained from Haddad, Morgan and Associates Ltd. are shown in **Table 3-1**. The flows are estimated based on the assumption that all four properties will be developed as low to medium density residential.

Table 3-1: Projected Wastewater Flows from the Parcels to be Serviced by the LRPCP

Properties	Projected Flows
Royal Quality Homes	54.1 L/s (1.91 cfs)
Benefitting Properties	13.1 L/s (0.46 cfs)
Total Flow	67.2 L/s (2.37 cfs)

3.2 CAPACITY OF THE SSEL TRUNK SEWER

The recently constructed SSEL Trunk Sewer on 8th Concession Road from Highway 401 to the LRPCP ranges in size from 975 mm diameter to 2100 mm diameter and is between 7 metres and 11 metres in depth. The total length is approximately 14,560 metres. The trunk sewer is designed to accommodate a maximum flow of 2,456 L/s. A portion of the total maximum flow in the amount of 1308 L/s is dedicated to the Town of Tecumseh, which was determined based on an agreement between the City of Windsor and the Town of Tecumseh requiring the City to provide a trunk sanitary sewer to service adjacent Town of Tecumseh lands. From this allotted maximum flow, 983 L/s has been introduced at Banwell Road south of the EC ROW Expressway and 325 L/s will be introduced from the Oldcastle Hamlet Service Area located to the south of Highway 401.

A hydraulic analysis was performed to evaluate the capacity of the SSEL Trunk Sewer with the proposed additional flow of 67.2 L/s from the two Royal Quality Homes parcels and the two adjacent benefitting properties. The hydraulic analysis was performed using the PCSWMM 2012 Professional software version 5.1.1279. PCSWMM utilizes the U.S. EPA SWMM5 engine (currently version 5.0.022).



FIGURES
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The analysis results confirm that the additional flow of 67.2 L/s will result in a minimal rise in the hydraulic grade line, ranging from of 0.050 m for the 975 mm sewer section to 0.020 m for the 2100 mm sewer section. Moreover, the hydraulic grade line will remain below the obvert of the trunk sanitary sewer for its entire length. Refer to **Appendix B** for the hydraulic grade line profile. In summary, there is sufficient excess capacity in the SSEL Trunk Sewer to service the additional flow of 67.2 L/s from the four parcels.

3.3 CAPACITY OF THE SANITARY SEWER BETWEEN THE SSEL TRUNK SEWER AND LRPCP PLANT

For hydraulic modeling purposes, the SSEL trunk sanitary sewer outfall is set as the downstream end of said sewer, which is located at manhole 6S4041. The hydraulic analysis discussed in the above section assumes a free outfall condition based on the expectation that future expansion of the Little River Pollution Control Plant (LRPCP) will provide sufficient plant and inlet sewer capacity to handle future expected peak flows.

In the interim, it is important to note that the current sanitary sewer network shows several trunk sanitary sewers converging to two LRPCP inlet sewers; a 1500 mm dia. and a 900 mm dia. sewer. As-constructed drawings of these sewers suggest that a short length bottleneck may exist between manholes 6S552 and 6S4042 as well as between manholes 6S552 and 6S4041. In addition, the new 2100 mm dia. sewer is interconnected and runs parallel to the 1200 mm trunk sewer from the Canadian National Railway to the east side the LRPCP site, with interconnections at manholes 7S5673 and 6S4036. Refer to **Appendix C** for City of Windsor Sewer Atlas drawings and record drawings.

It is anticipated that the sanitary sewer between the SSEL Trunk Sewer and the LRPCP will be upgraded to accommodate peak flow conditions. The sewer upgrade schedule and phasing should be developed based on hydraulic analysis of the existing LRPCP inlet sewers and interconnecting trunk sewers under the ultimate peak flow condition. Moreover, a determination of the maximum capacity of the current sanitary sewer network, particularly the sanitary sewer between the SSEL Trunk Sewer and the LRPCP, should be made and provisions should be established to limit peak flows or upgrade the inlet sewer and plant capacities as necessary.



FIGURES
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4.0 ENVIRONMENTAL IMPACTS

The potential environmental impacts associated with the expansion of the Little River Pollution Control Plant and the proposed mitigation for those potential impacts was identified in the ESR. The provision of additional capacity in the sewage treatment facility to service the Royal Quality Homes parcels and adjacent benefitting properties does not change the potential impacts or proposed methods of mitigation.



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Appendix A FIGURES

- A.1 FIGURE 1.1: ORIGINAL EA STUDY AREA
- A.2 FIGURE 1.2: ORIGINAL SERVICE AREA BOUNDARY
- A.3 FIGURE 1.3: AMENDED SERVICE AREA BOUNDARY



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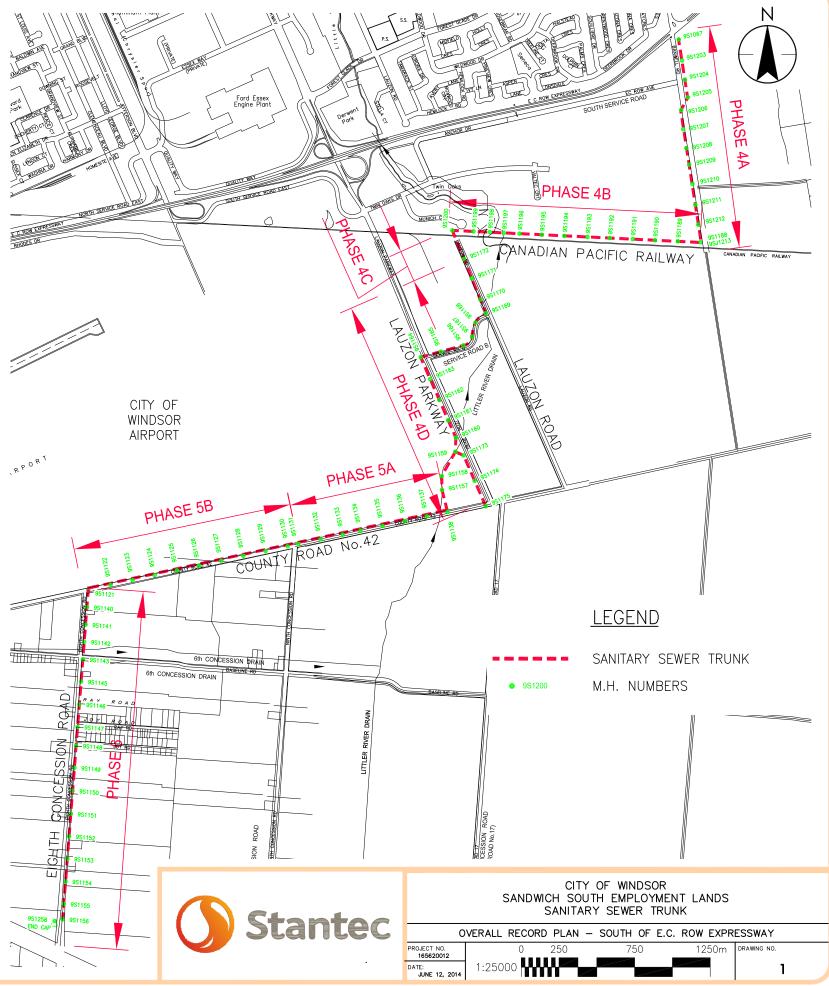
TRUNK SANITARY SEWER PLAN AND PROFILE December 9, 2014

Appendix B TRUNK SANITARY SEWER PLAN AND PROFILE

- **B.1 TRUNK SANITARY SEWER PLANS**
- **B.2 TRUNK SANITARY SEWER PROFILE**



PHASE	LOCAT			SEV	VER DESIG					FILE			HGL	ELEV. @ "TO N	1H"
	STREET OR	FROMMH	TO MH	SEWER	SEWER	DIAMETER		REAMELEV			REAMELE\		ORIGINAL	PROPOSED	, LIC!
IMOE	EASEMENT			LENGTH (m)	SLOPE (%)	Nom. (mm)	INVERT (m)	GROUND (m)	DEPTH (m)	INVERT (m)	GROUND (m)	COVER (m)	DESIGN (m)	DESIGN (m)	∆HGL (m)
	1			()	(,0)	()	()	()	()	()	()	()	()	()	()
	8th Concession Road	Stub 9S1258	9S1258 9S1156	8.2 11.5	0.173% 0.130%	900 975	183.398 181.978	190.4 189.5	7.0 7.5	182.0 181.963	189.5 190.4	7.5 8.4	182.52 182.49	182.57 182.54	0.05 0.05
		9S1156	9S1155	102.4	0.128%	975	181.898	190.4	8.5	181.767	189.7	7.9	182.37	182.42	0.05
		9S1155	9S1154	148.7	0.102%	975	181.752	189.7	7.9	181.601	189.5	7.9	182.19	182.25	0.06
		9S1154 9S1153	9S1153 9S1152	150.7 147.2	0.092%	975 975	181.566	189.5 189.3	7.9 7.9	181.428 181.264	189.3 189.0	7.9 7.7	182.02 181.85	182.08 181.90	0.06
		9S1153 9S1152	9S1152 9S1151	147.2	0.097%	975	181.407 181.244	189.3	7.9	181.264	189.0	7.7	181.85	181.90	0.05
		9S1151	9S1150	151.9	0.115%	975	181.077	188.6	7.5	180.902	188.4	7.5	181.47	181.52	0.05
6		9S1150	9S1149	153.0	0.111%	975	180.887	188.4	7.5	180.717	188.2	7.4	181.22	181.27	0.05
U		9S1149 9S1148	9S1148 9S1147	145.8 123.8	0.125% 0.089%	975 975	180.641 180.414	188.2 187.9	7.5 7.5	180.459 180.304	187.9 187.8	7.4 7.5	181.04 180.89	181.09 180.94	0.05 0.05
		9S1147	9S1146	149.1	0.102%	975	180.284	187.8	7.5	180.132	187.4	7.2	180.68	180.73	0.05
		9S1146	9S1145	150.9	0.107%	975	180.097	187.4	7.3	179.936	187.1	7.1	180.41	180.45	0.04
		9S1145	9S1143	146.7	0.218%	975	179.921	187.1	7.2	179.601	187.1	7.5	180.18	180.23	0.05
		9S1143 9S1142	9S1142 9S1141	116.8 112.7	0.097%	975 975	179.571 179.424	187.1 187.1	7.5 7.7	179.458 179.315	187.1 187.1	7.6 7.8	180.03 179.87	180.07 179.91	0.04
		9S1141	9S1140	116.5	0.100%	975	179.270	187.1	7.8	179.153	186.9	7.7	179.69	179.73	0.04
		9S1140	9S1121	115.0	0.104%	975	179.133	186.9	7.8	179.013	186.73	7.7	179.07	179.11	0.04
	County Rd 42	9S1121	9S1122	148.0	0.091%	1200	178.357	186.73	8.4	178.222	186.94	8.7	178.90	178.94	0.04
		9S1122	9S1123	152.3	0.070%	1200	178.210	186.94	8.7	178.103	186.49	8.4	178.77	178.81	0.04
		9S1123 9S1124	9S1124 9S1125	152.4 147.8	0.092% 0.079%	1200 1200	178.090 177.947	186.49 186.18	8.4 8.2	177.950 177.830	186.18 185.82	8.2 8.0	178.64 178.51	178.68 178.55	0.04 0.04
В		9S1125	9S1126	152.4	0.080%	1200	177.825	185.82	8.0	177.703	185.37	7.7	178.38	178.43	0.05
D		9S1126	9S1127	147.3	0.081%	1200	177.692	185.37	7.7	177.572	185.22	7.6	178.25	178.30	0.05
		9S1127 9S1128	9S1128 9S1129	152.5 147.6	0.090%	1200 1200	177.556 177.410	185.22 184.94	7.7 7.5	177.418 177.305	184.94 184.36	7.5 7.1	178.13 178.01	178.17 178.05	0.04
		9S1128 9S1129	9S1129 9S1130	147.8	0.071%	1200	177.410	184.94	7.5	177.177	184.21	7.1	178.01	178.05	0.04
		9S1130	9S1131	73.7	0.087%	1200	177.173	184.21	7.0	177.109	184.27	7.2	177.83	177.86	0.03
	County Rd 42	9S1131 9S1132	9S1132 9S1133	152.1 147.5	0.092%	1350 1350	177.016	184.27	7.3	176.876	184.18	7.3	177.64 177.50	177.67 177.53	0.03
		9S1132 9S1133	9S1133 9S1134	147.5	0.101%	1350	176.874 176.720	184.18 184.02	7.3 7.3	176.725 176.604	184.02 184.23	7.3 7.6	177.50	177.53	0.03
Α		9S1134	9S1135	155.5	0.101%	1350	176.567	184.23	7.7	176.410	183.47	7.1	177.23	177.26	0.03
•		9S1135	9S1136	145.7	0.083%	1350	176.415	183.47	7.1	176.294	183.82	7.5	177.07	177.09	0.02
	———	9S1136 9S1137	9S1137 9S1138	147.9 142.1	0.087%	1350 1350	176.293 176.144	183.82 183.73	7.5 7.6	176.164 176.026	183.73 183.31	7.6 7.3	176.87 176.33	176.89 176.37	0.02
								220		5.525					
	North Bank of Little	9S1138	001157	149.5	0.0720/	1350	175 /07	192.24	7.0	175 200	183.3	7.0	176.17	176.20	0.03
	North Bank of Little River	9S1138 9S1157	9S1157 9S1158	90.2	0.072% 0.073%	1350	175.467 175.359	183.31 183.3	7.8 7.9	175.360 175.293	183.3	7.9 7.9	176.17	176.20 176.12	0.03
		9S1158	9S1159	142.3	0.069%	1350	175.293	183.2	7.9	175.195	183.1	7.9	175.93	175.96	0.03
	Little River Crossing	9S1175	9S1174	158.5	0.137%	900	176.511	183.2	6.7	176.294	183.0	6.7	176.86	176.86	0.00
	J. J	9S1174	9S1173	151.1	0.146%	900	176.271	183.0	6.7	176.050	183.2	7.1	176.37	176.37	0.00
		9S1173	9S1159	59.6	0.923%	900	176.035	183.2	7.2	175.485	183.1	7.6	175.93	175.96	0.03
_	Lauzon Parkway	9S1159	9S1160	110.3	0.053%	1650	174.900	183.1	8.2	174.841	183.0	8.2	175.83		0.00
Ð														175.86	0.03
		9S1160	9S1161	127.4	0.058%	1650	174.841	183.0	8.2	174.767	182.9	8.2	175.75	175.79	0.04
		9S1160 9S1161	9S1161 9S1162	127.4 147.2	0.058% 0.059%	1650 1650	174.767	182.9	8.2	174.680	182.9	8.2	175.67	175.79 175.70	0.04 0.03
		9S1160	9S1161	127.4	0.058%	1650								175.79	0.04
	Service Road 'B'	9S1160 9S1161 9S1162 9S1163 9S1164	9S1161 9S1162 9S1163 9S1164 9S1165	127.4 147.2 149.6 149.5 137.5	0.058% 0.059% 0.069% 0.060% 0.032%	1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487	182.9 182.9 182.7 182.7	8.2 8.2 8.2 8.2	174.680 174.577 174.487 174.443	182.9 182.7 182.7 182.2	8.2 8.2 8.2 7.7	175.67 175.59 175.50 175.42	175.79 175.70 175.62 175.53 175.45	0.04 0.03 0.03 0.03 0.03
	Service Road 'B'	9S1160 9S1161 9S1162 9S1163 9S1164 9S1165	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166	127.4 147.2 149.6 149.5 137.5 151.8	0.058% 0.059% 0.069% 0.060% 0.032% 0.052%	1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443	182.9 182.9 182.7 182.7 182.2	8.2 8.2 8.2 8.2 7.7	174.680 174.577 174.487 174.443 174.364	182.9 182.7 182.7 182.2 182.4	8.2 8.2 8.2 7.7 8.1	175.67 175.59 175.50 175.42 175.33	175.79 175.70 175.62 175.53 175.45 175.36	0.04 0.03 0.03 0.03 0.03 0.03
	Service Road 'B'	9S1160 9S1161 9S1162 9S1163 9S1164 9S1165 9S1166	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167	127.4 147.2 149.6 149.5 137.5 151.8 62.2	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056%	1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364	182.9 182.9 182.7 182.7 182.2 182.4	8.2 8.2 8.2 8.2 7.7 8.1	174.680 174.577 174.487 174.443 174.364 174.329	182.9 182.7 182.7 182.2 182.4 182.7	8.2 8.2 8.2 7.7 8.1 8.3	175.67 175.59 175.50 175.42 175.33 175.28	175.79 175.70 175.62 175.53 175.45 175.36 175.31	0.04 0.03 0.03 0.03 0.03 0.03 0.03
	Service Road 'B'	9S1160 9S1161 9S1162 9S1163 9S1164 9S1165	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166	127.4 147.2 149.6 149.5 137.5 151.8	0.058% 0.059% 0.069% 0.060% 0.032% 0.052%	1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443	182.9 182.9 182.7 182.7 182.2	8.2 8.2 8.2 8.2 7.7	174.680 174.577 174.487 174.443 174.364	182.9 182.7 182.7 182.2 182.4	8.2 8.2 8.2 7.7 8.1	175.67 175.59 175.50 175.42 175.33	175.79 175.70 175.62 175.53 175.45 175.36	0.04 0.03 0.03 0.03 0.03 0.03
	Service Road 'B'	9S1160 9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169 9S1170	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.101% 0.049%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176	182.9 182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8	174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12	175.79 175.70 175.62 175.53 175.45 175.36 175.31 175.22 175.15	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03
		9S1160 9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169 9S1170	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1166 9S1169 9S1170 9S1171	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.101% 0.049% 0.050%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128	182.9 182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8	174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128 174.053	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04	175.79 175.70 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03
		9S1160 9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169 9S1170	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.101% 0.049%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176	182.9 182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8	174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12	175.79 175.70 175.62 175.53 175.45 175.36 175.31 175.22 175.15	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03
	Lauzon Rd	9S1160 9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169 9S1170	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1166 9S1169 9S1170 9S1171	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.101% 0.049% 0.050%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128	182.9 182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8	174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128 174.053	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04	175.79 175.70 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03
IC		9S1160 9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169 9S1170	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1166 9S1169 9S1170 9S1171	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.101% 0.049% 0.050%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128	182.9 182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8	174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128 174.053	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04	175.79 175.70 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03
ŀC	Lauzon Rd Lauzon Rd Beneath	9S1160 9S1161 9S1162 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169 9S1170 9S1171	9S1161 9S1162 9S1163 9S1163 9S1165 9S1166 9S1167 9S1168 9S1169 9S1170 9S1171	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3	0.058% 0.059% 0.069% 0.060% 0.0322% 0.052% 0.056% 0.101% 0.048% 0.0050% 0.078%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128 174.053	182.9 182.9 182.7 182.7 182.2 182.4 182.4 182.7 182.4 181.9 181.9	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8	174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128 174.053 173.945	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.9	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8	175.67 175.59 175.50 175.42 175.42 175.23 175.28 175.19 175.12 175.04 174.90	175.79 175.70 175.70 175.62 175.62 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03
.C	Lauzon Rd Lauzon Rd Beneath CPR	9S1160 9S1161 9S1162 9S1163 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1170 9S1170	9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1167 9\$1168 9\$1169 9\$1170 9\$1171 9\$1172	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3	0.058% 0.059% 0.069% 0.060% 0.082% 0.052% 0.052% 0.0548% 0.101% 0.049% 0.050% 0.072%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128 174.053	182.9 182.7 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8	174.680 174.577 174.487 174.487 174.436 174.329 174.262 174.165 174.176 174.178 174.178 173.945	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.8	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67	175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03
.C	Lauzon Rd Lauzon Rd Beneath	9S1160 9S1161 9S1162 9S1162 9S1163 9S1164 9S1166 9S1166 9S1167 9S1168 9S1170 9S1171	9S1161 9S1162 9S1163 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1169 9S1170 9S1171 9S1172	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3	0.058% 0.059% 0.069% 0.069% 0.032% 0.052% 0.048% 0.048% 0.048% 0.049% 0.078% 0.072%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128 174.053	182.9 182.9 182.7 182.7 182.2 182.4 182.4 182.7 181.9 181.9	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8	174.680 174.577 174.487 174.487 174.364 174.329 174.226 174.176 174.128 174.035 173.945	182.9 182.7 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.9 181.8	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.9	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67	175.79 175.70 175.62 175.62 175.53 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04
·C	Lauzon Rd Lauzon Rd Beneath CPR	9S1160 9S1161 9S1162 9S1163 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1170 9S1170	9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1167 9\$1168 9\$1169 9\$1170 9\$1171 9\$1172	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3	0.058% 0.059% 0.069% 0.060% 0.082% 0.052% 0.052% 0.0548% 0.101% 0.049% 0.050% 0.072%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.329 174.262 174.176 174.128 174.053	182.9 182.7 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8	174.680 174.577 174.487 174.487 174.436 174.329 174.262 174.165 174.176 174.178 174.178 173.945	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.8	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67	175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03
.C	Lauzon Rd Lauzon Rd Beneath CPR	9S1160 9S1161 9S1162 9S1163 9S1163 9S1164 9S1165 9S1167 9S1168 9S1170 9S1170 9S1171 9S1172	9S1161 9S1162 9S1163 9S1164 9S1166 9S1166 9S1167 9S1168 9S1170 9S1170 9S1171 9S1172 9S1200 9S1199 9S1199 9S1199 9S1199 9S1199	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.049% 0.072% 0.072% 0.061% 0.061% 0.068% 0.068% 0.069% 0.069% 0.055%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.362 174.176 174.128 174.053 173.845 173.489 173.493 173.493 173.287	182.9 182.9 182.7 182.7 182.4 182.4 182.4 181.9 181.9 181.9 181.8	8.2 8.2 8.2 8.2 7.7 8.1 8.3 7.8 7.8 7.8 8.0	174.680 174.577 174.487 174.487 174.364 174.329 174.262 174.176 174.128 174.053 173.945 173.713	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.8 181.88	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.8 7.9	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67	175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
	Lauzon Rd Lauzon Rd Beneath CPR	9S1160 9S1161 9S1162 9S1162 9S1163 9S1164 9S1166 9S1167 9S1168 9S1169 9S1170 9S1171 9S1172 9S1200 9S1199 9S1198 9S1197 9S1198	9S1161 9S1162 9S1163 9S1163 9S1164 9S1165 9S1166 9S1168 9S1169 9S1170 9S1171 9S1172 9S1200 9S1199 9S1199 9S1198 9S1196 9S1196 9S1197 9S1197	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3	0.058% 0.059% 0.059% 0.069% 0.032% 0.052% 0.056% 0.048% 0.050% 0.072% 0.072%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.362 174.128 174.262 174.176 174.128 174.053 173.845 173.489 173.493 173.351 173.228	182.9 182.9 182.7 182.7 182.7 182.4 182.4 181.9 181.9 181.8 181.8 181.8 181.8 181.8 181.8 181.65	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 8.0 8.1 8.8 8.4 8.4	174.680 174.577 174.487 174.483 174.364 174.329 174.262 174.176 174.128 174.053 173.945 173.713	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.88 181.58	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.8 7.8 7.9	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.90 174.67 174.50	175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
	Lauzon Rd Lauzon Rd Beneath CPR	9S1160 9S1161 9S1162 9S1163 9S1163 9S1164 9S1165 9S1167 9S1168 9S1170 9S1170 9S1171 9S1172	9S1161 9S1162 9S1163 9S1164 9S1166 9S1166 9S1167 9S1168 9S1170 9S1170 9S1171 9S1172 9S1200 9S1199 9S1199 9S1199 9S1199 9S1199	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.049% 0.072% 0.072% 0.061% 0.061% 0.068% 0.068% 0.069% 0.069% 0.055%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.362 174.176 174.128 174.053 173.845 173.489 173.493 173.493 173.287	182.9 182.9 182.7 182.7 182.4 182.4 182.4 181.9 181.9 181.9 181.8	8.2 8.2 8.2 8.2 7.7 8.1 8.3 7.8 7.8 7.8 8.0	174.680 174.577 174.487 174.487 174.364 174.329 174.262 174.176 174.128 174.053 173.945 173.713	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.8 181.88	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.8 7.9	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67	175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
	Lauzon Rd Lauzon Rd Beneath CPR	9S1160 9S1161 9S1162 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1170 9S1171 9S1172 9S1200 9S1199 9S1198 9S1197 9S1196 9S1198 9S1198 9S1198 9S1198	9S1161 9S1162 9S1163 9S1163 9S1164 9S1165 9S1166 9S1168 9S1169 9S1170 9S1170 9S1171 9S1172 9S1200 9S1199 9S1199 9S1199 9S1199 9S1196 9S1196 9S1197 9S1197 9S1199 9S1199	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3 183.0	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.048% 0.048% 0.048% 0.072% 0.072% 0.072%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.433 174.364 174.362 174.162 174.176 174.128 174.053 173.845 173.489 173.403 173.351 173.228 173.153 173.228 173.153	182.9 182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.9 181.8 181.8 181.65 181.65 181.65 181.65 181.65	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.8 8.4 8.4 8.4 8.5 8.9	174.680 174.577 174.487 174.487 174.364 174.329 174.262 174.176 174.128 174.053 173.945 173.713 173.351 173.287 173.287 173.287 173.287 173.287 173.287 173.287 173.287	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.88 181.58 182.16 181.80 181.73 181.61 181.85 181.61 181.85	8.2 8.2 7.7 8.1 8.3 7.8 7.8 7.8 7.8 7.9 8.4 8.4 8.4 8.5 8.8 9.0 9.3	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.90 174.67 174.50	175.79 175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
	Lauzon Rd Lauzon Rd Beneath CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1167 9\$1169 9\$1170 9\$1171 9\$1172 9\$1172 9\$1199 9\$1199 9\$1196 9\$1196 9\$1195 9\$1194 9\$1195 9\$1194	9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1169 9\$1170 9\$1170 9\$1172 9\$1200 9\$1199 9\$1199 9\$1196 9\$1197 9\$1196 9\$1194 9\$1192 9\$1192	127.4 147.2 149.6 149.5 137.5 137.5 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 103.0 147.0 155.0	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.052% 0.056% 0.048% 0.049% 0.072% 0.072% 0.061% 0.069% 0.059%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.362 174.166 174.126 174.126 174.053 173.845 173.845 173.489 173.403 173.351 173.228 173.153 173.076 173.076 173.076	182.9 182.9 182.7 182.7 182.7 182.4 182.4 181.9 181.9 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.4 8.4 8.4 8.5 8.8 9.0 9.3	174.680 174.577 174.487 174.483 174.364 174.329 174.262 174.176 174.128 174.053 173.945 173.713 173.287 173.287 173.287 173.287 173.287 173.287 173.288	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.8 181.88 181.86 181.83 181.65 181.85 182.08 182.08	8.2 8.2 8.2 7.7 8.1 8.3 7.8 7.8 7.8 7.9 7.9 8.8 8.4 8.4 8.4 8.5 8.8 9.0 9.3	175.67 175.59 175.50 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.90 174.67 174.50	175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54 174.46 174.41 174.35 174.30 174.22 174.15 174.06	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
	Lauzon Rd Lauzon Rd Beneath CPR	9S1160 9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1170 9S1170 9S1171 9S1172 9S1172 9S1199 9S1199 9S1196 9S1197 9S1196 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199	9S1161 9S1162 9S1163 9S1164 9S1166 9S1166 9S1167 9S1168 9S1169 9S1170 9S1171 9S1172 9S1200 9S1199 9S1199 9S1198 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 93.0 103.0 147.0 155.0 147.0	0.058% 0.059% 0.059% 0.060% 0.032% 0.052% 0.056% 0.048% 0.072% 0.072% 0.072% 0.072% 0.072% 0.061% 0.069% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.329 174.262 174.176 174.053 173.845 173.489 173.489 173.287 173.287 173.287 173.287 173.287 173.032 173.032 172.958 172.836	182.9 182.9 182.7 182.7 182.7 182.2 182.4 182.4 181.9 181.9 181.8 181.8 181.8 181.8 181.8 181.83 181.65 181.83 181.65 181.85 182.97 182.97 182.93	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.4 8.4 8.4 8.4 8.5 8.8 9.0 9.3 9.7	174.680 174.577 174.487 174.487 174.364 174.362 174.262 174.128 174.023 173.945 173.713 173.403 173.351 173.28 173.28 173.28 173.153 173.29 173.29 173.29 173.29 173.29 173.29 173.29 173.29 173.29	182.9 182.7 182.7 182.7 182.4 182.4 182.4 181.9 181.9 181.8 181.58 182.16 181.65 181.65 181.65 181.65 181.65 181.65 181.65	8.2 8.2 7.7 8.1 8.3 7.8 7.8 7.8 7.8 7.9 8.4 8.4 8.4 8.4 8.5 9.0 9.3 9.7 10.0	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67	175.79 175.70 175.62 175.62 175.62 175.53 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54 174.46 174.41 174.35 174.30 174.22 174.15 174.06 173.97 173.89 173.81	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.03
	Lauzon Rd Lauzon Rd Beneath CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1167 9\$1169 9\$1170 9\$1171 9\$1172 9\$1172 9\$1199 9\$1199 9\$1196 9\$1196 9\$1195 9\$1194 9\$1195 9\$1194	9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1169 9\$1170 9\$1170 9\$1172 9\$1200 9\$1199 9\$1199 9\$1196 9\$1197 9\$1196 9\$1194 9\$1192 9\$1192	127.4 147.2 149.6 149.5 137.5 137.5 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 103.0 147.0 155.0	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.052% 0.056% 0.048% 0.049% 0.072% 0.072% 0.061% 0.069% 0.059%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.362 174.166 174.126 174.126 174.053 173.845 173.845 173.489 173.403 173.351 173.228 173.153 173.076 173.076 173.076	182.9 182.9 182.7 182.7 182.7 182.4 182.4 181.9 181.9 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8 181.8	8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.4 8.4 8.4 8.5 8.8 9.0 9.3	174.680 174.577 174.487 174.483 174.364 174.329 174.262 174.176 174.128 174.053 173.945 173.713 173.287 173.287 173.287 173.287 173.287 173.287 173.288	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.8 181.88 181.86 181.83 181.65 181.85 182.08 182.08	8.2 8.2 8.2 7.7 8.1 8.3 7.8 7.8 7.8 7.9 7.9 8.8 8.4 8.4 8.4 8.5 8.8 9.0 9.3	175.67 175.59 175.50 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.90 174.67 174.50	175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54 174.46 174.41 174.35 174.30 174.22 174.15 174.06	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
	Lauzon Rd Lauzon Rd Beneath CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1163 9\$1166 9\$1166 9\$1167 9\$1168 9\$1170 9\$1170 9\$1171 9\$1172 9\$1200 9\$1199 9\$1198 9\$1197 9\$1198 9\$1199 9\$1199 9\$1191 9\$1191 9\$1191	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1166 9S1167 9S1168 9S1170 9S1170 9S1170 9S1171 9S1172	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 103.0 147.0 152.0	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.072% 0.072%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.362 174.162 174.176 174.053 173.845 173.489 173.403 173.287 173.287 173.287 173.287 173.293 173.153 173.032 172.958 172.958 172.958 172.958 172.958 172.958	182.9 182.9 182.7 182.7 182.4 182.4 182.7 182.4 181.9 181.9 181.8 181.8 181.8 181.85 182.16 181.85 181.85 181.85 181.85 182.08 182.27 182.27 182.27 182.27	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.8 8.4 8.4 8.4 8.5 9.0 9.3 9.7	174.680 174.577 174.487 174.483 174.364 174.326 174.176 174.128 174.053 173.945 173.713 173.403 173.361 173.28 173.28 173.95 173.28 173.28 173.28 173.28 173.28 173.28 173.28 173.28 173.28	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.58 182.16 181.80 181.73 181.65 181.61 181.80 181.93 181.93 181.93 181.94 181.95 181.96 181.96 181.97 181.98	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.9 8.8 8.4 8.4 8.5 8.8 9.0 9.3 9.7 10.0	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67 174.67	175.79 175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54 174.46 174.46 174.41 174.35 174.30 174.22 174.15 174.06 173.97 173.89 173.81 173.71	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.03
	Lauzon Rd Lauzon Rd Beneath CPR Adjacent to CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1163 9\$1165 9\$1166 9\$1167 9\$1166 9\$1170 9\$1170 9\$1171 9\$1171 9\$1172 9\$1199 9\$1199 9\$1198 9\$1197 9\$1198 9\$1199 9\$1199 9\$1199 9\$1199 9\$1199 9\$1199 9\$1191 9\$1191 9\$1191	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1166 9S1167 9S1170 9S1170 9S1170 9S1170 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199 9S1199	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 103.0 147.0 155.0 147.0 152.0 150.0	0.058% 0.059% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.011% 0.072% 0.072% 0.072% 0.081% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059% 0.059%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.362 174.162 174.176 174.053 173.845 173.489 173.403 173.351 173.287 173.287 173.287 173.287 173.293 173.156 173.032 172.958 172.958 172.731	182.9 182.9 182.7 182.7 182.4 182.4 182.7 182.4 181.9 181.9 181.9 181.8 181.88 182.16 181.80 181.73 181.65 181.85 182.08 182.27 182.08 182.27 182.69	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.8 8.4 8.4 8.4 8.5 9.0 9.3 10.0 10.0	174.680 174.577 174.487 174.487 174.364 174.326 174.176 174.128 174.053 173.945 173.945 173.403 173.351 173.28 173.28 173.95 173.28 173.28 173.95 173.28 173.95	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.58 182.16 181.83 181.65 181.61 181.85 181.61 181.85 182.08 182.27 182.27 182.69 183.14	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.9 8.8 8.4 8.4 8.5 8.8 9.0 9.3 9.7 10.0 10.0	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67 174.67	175.79 175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54 174.46 174.41 174.35 174.30 174.22 174.15 174.06 173.97 173.89 173.89 173.81 173.71	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
	Lauzon Rd Lauzon Rd Beneath CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1163 9\$1166 9\$1166 9\$1167 9\$1168 9\$1170 9\$1170 9\$1171 9\$1172 9\$1200 9\$1199 9\$1198 9\$1197 9\$1198 9\$1199 9\$1199 9\$1191 9\$1191 9\$1191	9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1166 9S1167 9S1168 9S1170 9S1170 9S1170 9S1171 9S1172	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 103.0 147.0 152.0	0.058% 0.059% 0.069% 0.060% 0.032% 0.052% 0.056% 0.048% 0.072% 0.072%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.362 174.162 174.176 174.053 173.845 173.489 173.403 173.287 173.287 173.287 173.287 173.293 173.153 173.032 172.958 172.958 172.958 172.958 172.958 172.958	182.9 182.9 182.7 182.7 182.4 182.4 182.7 182.4 181.9 181.9 181.8 181.8 181.8 181.85 182.16 181.85 181.85 181.85 181.85 182.08 182.27 182.27 182.27 182.27	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.8 8.4 8.4 8.4 8.5 9.0 9.3 9.7	174.680 174.577 174.487 174.483 174.364 174.326 174.176 174.128 174.053 173.945 173.713 173.403 173.361 173.28 173.28 173.95 173.28 173.28 173.28 173.28 173.28 173.28 173.28 173.28 173.28	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.58 182.16 181.80 181.73 181.65 181.61 181.80 181.93 181.93 181.93 181.94 181.95 181.96 181.96 181.97 181.98	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.9 8.8 8.4 8.4 8.5 8.8 9.0 9.3 9.7 10.0	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67 174.67	175.79 175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54 174.46 174.46 174.41 174.35 174.30 174.22 174.15 174.06 173.97 173.89 173.81 173.71	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.03
	Lauzon Rd Lauzon Rd Beneath CPR Adjacent to CPR	9S1160 9S1161 9S1162 9S1163 9S1164 9S1165 9S1166 9S1167 9S1168 9S1170 9S1170 9S1171 9S1171 9S1172 9S1172 9S1199 9S1198 9S1199 9S1198 9S1199 9S1191	9S1161 9S1162 9S1163 9S1163 9S1164 9S1165 9S1166 9S1166 9S1168 9S1167 9S1170 9S1171 9S1172 9S1200 9S1199 9S1199 9S1199 9S1198 9S1199 9S1198	127.4 147.2 149.6 149.5 137.5 151.8 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 103.0 147.0 152.0 150.0 151.0 152.0 150.0 113.6 132.0 136.4	0.058% 0.059% 0.059% 0.069% 0.060% 0.032% 0.056% 0.048% 0.101% 0.050% 0.072% 0.072% 0.072% 0.061% 0.061% 0.029% 0.050% 0.044% 0.027% 0.041%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.443 174.364 174.364 174.362 174.162 174.176 174.128 174.053 173.845 173.489 173.403 173.351 173.287 173.287 173.298 173.032 172.958 172.772 172.731	182.9 182.9 182.7 182.7 182.4 182.7 182.4 181.9 181.9 181.8 181.8 181.58 182.16 181.80 181.73 181.65 182.08 182.73 182.69	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.8 8.4 8.4 8.4 8.5 9.0 9.3 10.0 10.0	174.680 174.577 174.487 174.487 174.364 174.329 174.262 174.176 174.128 173.945 173.945 173.713 173.287 173.287 173.288 172.669	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.9 181.8 181.58 182.16 181.80 181.65 181.65 181.65 182.05 182.27 182.53 182.69 183.14	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.9 8.8 8.4 8.4 8.4 8.5 8.9 9.0 9.3 9.7 10.0 10.5 10.8 10.8 10.7	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67 174.67 174.43 174.32 174.27 174.19 174.12 174.10 173.86 173.86 173.68 173.56	175.79 175.79 175.70 175.62 175.62 175.63 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.54 174.46 174.41 174.35 174.30 174.22 174.15 174.06 173.89 173.81 173.71 173.60	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
	Lauzon Rd Lauzon Rd Beneath CPR Adjacent to CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1167 9\$1170 9\$1170 9\$1171 9\$1172 9\$1172 9\$1196 9\$1198 9\$1198 9\$1199 9\$1199 9\$1199 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1192 9\$1194 9\$1193 9\$1194 9\$1194 9\$1194 9\$1195 9\$1194 9\$1195 9\$1194 9\$1196 9\$1197 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191	9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1166 9\$1167 9\$1168 9\$1170 9\$1170 9\$1177 9\$1172 9\$1200 9\$1199 9\$1198 9\$1191 9\$1192 9\$1193 9\$1194 9\$1193 9\$1194 9\$1195 9\$1198 9\$1198	127.4 147.2 149.6 149.5 137.5 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 147.0 150.0 155.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0	0.058% 0.059% 0.059% 0.069% 0.032% 0.052% 0.056% 0.048% 0.048% 0.050% 0.072% 0.050% 0.072% 0.061% 0.061% 0.050% 0.044% 0.062% 0.061% 0.062% 0.061%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.433 174.364 174.362 174.162 174.162 174.163 174.053 173.845 173.845 173.403 173.351 173.228 173.153 173.228 173.153 172.958 172.772 172.772 172.773 172.273 172.273 172.273 172.273 172.273	182.9 182.9 182.7 182.7 182.4 182.7 182.4 181.9 181.9 181.9 181.8 181.8 182.16 181.83 182.16 181.83 182.16 181.83 182.16 181.83 182.69 183.14 183.07 182.93 183.93 18	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.8 8.4 8.4 8.4 8.5 9.0 9.3 9.7 10.0 10.0	174.680 174.577 174.487 174.487 174.364 174.326 174.262 174.176 174.128 174.053 173.945 173.945 173.287 173.287 173.287 173.287 173.287 173.287 173.287 173.287 173.287 173.286 172.286 172.285 172.285 172.285 172.285 172.285 172.285 172.285	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.58 181.58 182.16 181.80 181.73 181.61 181.85 182.08 182.27 182.53 182.73 182.93 183.14	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.8 7.9 8.8 8.4 8.4 8.4 8.5 8.8 9.0 9.3 9.7 10.0 10.5 10.8 10.8 10.7 10.4	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67 174.67 174.43 174.37 174.32 174.37 174.32 174.19 174.12 174.10 173.86 173.78 173.88 173.88 173.36	175.79 175.70 175.62 175.62 175.62 175.53 175.45 175.36 175.31 175.22 174.70 174.92 174.70 174.54 174.70 174.54 174.30 174.30 174.30 174.30 174.30 173.81 173.81 173.81 173.81 173.81 173.41 173.41	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.03 0.03 0.03 0.03 0.04 0.03 0.03 0.04 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.03 0.04 0.04 0.05
ŀB	Lauzon Rd Lauzon Rd Beneath CPR Adjacent to CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1167 9\$1168 9\$1170 9\$1177 9\$1177 9\$1177 9\$1172 9\$1190 9\$1199 9\$1196 9\$1191 9\$1190 9\$1191 9\$1190 9\$1191 9\$1190 9\$1191 9\$1190 9\$1191 9\$1190 9\$1191	9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1166 9\$1169 9\$1170 9\$1170 9\$1171 9\$1172 9\$1200 9\$1199 9\$1199 9\$1198 9\$1191 9\$1191 9\$1192 9\$1198 9\$1192 9\$1192 9\$1192 9\$1192	127.4 147.2 149.6 149.5 137.5 137.5 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 103.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0	0.058% 0.059% 0.059% 0.060% 0.032% 0.052% 0.055% 0.048% 0.011% 0.072% 0.072% 0.060% 0.032% 0.072% 0.061% 0.061% 0.029% 0.055% 0.041% 0.027% 0.041% 0.051% 0.060% 0.041% 0.060% 0.060% 0.061% 0.065% 0.065%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.681 174.477 174.487 174.443 174.329 174.262 174.176 174.193 174.193 174.193 173.845 173.845 173.287 173.287 173.228 174.176 173.032 172.731 172.731	182.9 182.9 182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.88 181.88 181.88 182.16 181.80 181.73 181.65 181.81 181.85 182.67 182.69 183.14 183.17 183.07	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.0 8.1 8.4 8.4 8.4 8.4 8.5 8.8 9.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	174.680 174.577 174.487 174.487 174.483 174.364 174.329 174.262 174.176 174.128 173.945 173.945 173.713 173.351 173.287 173.287 173.287 173.287 173.298 173.713 172.669	182.9 182.7 182.7 182.2 182.4 181.9 181.9 181.8 181.8 181.88 182.16 181.80 181.73 181.65 181.65 181.61 181.83 182.08 182.73 182.69 183.14	8.2 8.2 7.7 8.1 8.3 7.8 7.8 7.8 7.8 7.9 8.8 8.4 8.4 8.4 8.4 8.5 9.0 9.3 9.7 10.0 10.5 10.8 10.8 10.7 10.4	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.10 174.67 174.67 174.67 174.50 174.67 174.32 174.37 174.32 174.27 174.19 174.19 173.94 173.98 173.68 173.78 173.86 173.78 173.39 173.30 173.39 173.30 173.30 173.30 173.30 173.30 173.30 173.32 173.30 173.32	175.79 175.79 175.70 175.62 175.62 175.53 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.92 174.70 174.92 174.70 174.54 174.46 174.41 174.35 174.90 174.92 174.70 174.93 173.97 173.89 173.81 173.71 173.60	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.03 0.03 0.03 0.03 0.04 0.03 0.03 0.03 0.04 0.03 0.03 0.04
ŀB	Lauzon Rd Lauzon Rd Beneath CPR Adjacent to CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1167 9\$1170 9\$1170 9\$1171 9\$1172 9\$1172 9\$1196 9\$1198 9\$1198 9\$1199 9\$1199 9\$1199 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1192 9\$1194 9\$1193 9\$1194 9\$1194 9\$1194 9\$1195 9\$1194 9\$1195 9\$1194 9\$1196 9\$1197 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191 9\$1191	9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1166 9\$1167 9\$1168 9\$1170 9\$1170 9\$1177 9\$1172 9\$1200 9\$1199 9\$1198 9\$1191 9\$1192 9\$1193 9\$1194 9\$1193 9\$1194 9\$1195 9\$1198 9\$1199 9\$1198	127.4 147.2 149.6 149.5 137.5 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 147.0 150.0 155.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0	0.058% 0.059% 0.059% 0.069% 0.032% 0.052% 0.056% 0.048% 0.048% 0.050% 0.072% 0.050% 0.072% 0.061% 0.061% 0.050% 0.044% 0.062% 0.061% 0.062% 0.061%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.577 174.487 174.433 174.364 174.362 174.162 174.162 174.163 174.053 173.845 173.845 173.403 173.351 173.228 173.153 173.228 173.153 172.958 172.772 172.772 172.773 172.273 172.273 172.273 172.273 172.273	182.9 182.9 182.7 182.7 182.4 182.7 182.4 181.9 181.9 181.9 181.8 181.8 182.16 181.83 182.16 181.83 182.16 181.83 182.16 181.83 182.69 183.14 183.07 182.93 183.93 18	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.8 8.4 8.4 8.4 8.5 9.0 9.3 9.7 10.0 10.0	174.680 174.577 174.487 174.487 174.364 174.326 174.262 174.176 174.128 174.053 173.945 173.945 173.287 173.287 173.287 173.287 173.287 173.287 173.287 173.287 173.287 173.286 172.286 172.285 172.285 172.285 172.285 172.285 172.285 172.285	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.58 181.58 182.16 181.80 181.73 181.61 181.85 182.08 182.27 182.53 182.73 182.93 183.14	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.8 7.9 8.8 8.4 8.4 8.4 8.5 8.8 9.0 9.3 9.7 10.0 10.5 10.8 10.8 10.7 10.4	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67 174.67 174.43 174.37 174.32 174.37 174.32 174.19 174.12 174.10 173.86 173.78 173.88 173.88 173.36	175.79 175.70 175.62 175.62 175.62 175.53 175.45 175.36 175.31 175.22 174.70 174.92 174.70 174.54 174.70 174.54 174.30 174.30 174.30 174.30 174.30 173.81 173.81 173.81 173.81 173.81 173.41 173.41	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.03 0.03 0.03 0.03 0.04 0.03 0.03 0.04 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.03 0.04 0.04 0.05
IC IB	Lauzon Rd Lauzon Rd Beneath CPR Adjacent to CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1167 9\$1168 9\$1170 9\$1170 9\$1171 9\$1172 9\$1172 9\$1190 9\$1199 9\$1198 9\$1196 9\$1191 9\$1191 9\$1192 9\$1191 9\$1200 9\$1200 9\$1200 9\$1200	9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1166 9\$1169 9\$1170 9\$1177 9\$1177 9\$1177 9\$1177 9\$1179 9\$1199 9\$1198 9\$1197 9\$1198 9\$1191 9\$1191 9\$1192 9\$1191 9\$1192 9\$1193 9\$1192 9\$1194 9\$1194 9\$1195 9\$1196 9\$1198	127.4 147.2 149.6 149.5 137.5 137.5 137.5 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 103.0 147.0 150.0 155.0 147.0 152.0	0.058% 0.059% 0.059% 0.060% 0.032% 0.052% 0.056% 0.048% 0.011% 0.072% 0.072% 0.061% 0.048% 0.055% 0.044% 0.050% 0.061% 0.051% 0.051% 0.051% 0.051% 0.051% 0.051% 0.051% 0.050% 0.061% 0.065% 0.065% 0.065% 0.065% 0.056%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.681 174.487 174.443 174.462 174.462 174.176 174.128 174.176 174.128 174.053 173.845 173.845 173.287 173.287 173.287 173.287 173.287 172.731 172.731	182.9 182.9 182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.88 181.88 182.16 181.85 182.67 182.69 183.14 183.17 183.17 183.07 182.55 182.48 182.26	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.0 8.1 8.4 8.4 8.4 8.4 8.4 8.5 8.8 9.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	174.680 174.577 174.487 174.487 174.487 174.364 174.362 174.176 174.128 174.053 173.945 173.713 173.351 173.287 173.287 173.287 173.287 173.287 173.287 173.287 173.286 172.285 172.28	182.9 182.7 182.7 182.2 182.4 181.9 181.9 181.9 181.8 181.88 181.86 181.83 181.65 181.65 181.65 181.65 181.65 181.65 181.81 182.08 182.73 182.92 183.17 183.07 182.92 183.17 183.07 182.92 182.92 182.93 182.93 182.94 183.17	8.2 8.2 8.2 7.7 8.1 8.3 7.8 7.8 7.8 7.8 7.9 7.9 8.8 8.4 8.4 8.4 8.4 8.5 9.0 9.3 9.7 10.0 10.5 10.8 10.7 10.4 10.4 10.4 10.4 10.4 10.1	175.67 175.59 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67 174.67 174.67 174.50 174.67 174.32 174.37 174.32 174.27 174.19 173.94 173.68 173.78 173.68 173.78 173.30 173.30 173.30 173.30 173.30 173.30 173.30 173.30 173.30 173.30 173.30 173.30 173.30	175.79 175.70 175.62 175.62 175.62 175.53 175.45 175.36 175.31 175.22 175.15 175.07 174.92 174.70 174.92 174.70 174.92 174.70 174.92 174.70 174.92 174.70 174.92 174.70 174.92 174.70 174.92 174.70 174.92 174.70 174.92 174.70 174.93 173.81 173.81 173.71 173.60 173.81 173.71 173.80 173.81 173.341 173.321 173.14 173.321 173.14 173.308 173.02	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.03 0.04 0.03 0.04 0.03 0.03 0.03 0.04 0.03 0.04 0.03 0.04 0.04 0.05 0.04 0.05
1B	Lauzon Rd Lauzon Rd Beneath CPR Adjacent to CPR	9\$1160 9\$1161 9\$1162 9\$1163 9\$1164 9\$1165 9\$1166 9\$1166 9\$1167 9\$1170 9\$1170 9\$1171 9\$1172 9\$1172 9\$1199 9\$1199 9\$1199 9\$1199 9\$1199 9\$1199 9\$1199 9\$1199 9\$1199 9\$1191 9\$1201 9\$1201 9\$1208 9\$1208	9\$1161 9\$1162 9\$1163 9\$1164 9\$1163 9\$1164 9\$1165 9\$1166 9\$1167 9\$1168 9\$1170 9\$1170 9\$1171 9\$1172 9\$1200 9\$1199 9\$1198 9\$1197 9\$1191 9\$1192 9\$1193 9\$1194 9\$1193 9\$1194 9\$1195 9\$1196 9\$1197 9\$1198	127.4 147.2 149.6 149.5 137.5 62.2 139.1 85.5 98.2 149.9 139.3 183.0 140.0 108.0 93.0 147.0 150.0 153.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0 152.0 147.0	0.058% 0.059% 0.059% 0.069% 0.032% 0.056% 0.048% 0.056% 0.048% 0.072% 0.050% 0.072% 0.061% 0.061% 0.050% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.080% 0.085% 0.065% 0.056% 0.056% 0.056%	1650 1650 1650 1650 1650 1650 1650 1650	174.767 174.680 174.487 174.487 174.443 174.369 174.262 174.176 174.053 173.845 173.489 173.493 173.287 173.287 173.287 173.287 173.295 173.75 173.295 172.75 172.731	182.9 182.9 182.7 182.7 182.4 182.7 182.4 181.9 181.9 181.9 181.8 181.88 182.16 181.83 182.73 182.69 183.14 183.17 183.07 182.92 182.55 182.48 182.96	8.2 8.2 8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 8.0 8.1 8.8 8.4 8.4 8.4 8.5 9.0 9.3 9.7 10.0 10.0 10.0 10.7 10.4 10.4 10.4	174.680 174.577 174.487 174.487 174.364 174.326 174.126 174.128 174.053 173.945 173.94	182.9 182.7 182.7 182.2 182.4 182.7 182.4 181.9 181.9 181.8 181.58 182.16 181.80 181.73 181.61 181.80 181.73 181.65 181.61 181.80 182.77 182.69 183.14	8.2 8.2 7.7 8.1 8.3 8.2 7.8 7.8 7.8 7.8 7.9 8.8 8.4 8.4 8.5 8.8 9.0 10.0 10.0 10.5 10.8 10.4 10.4 10.4 10.4	175.67 175.59 175.50 175.42 175.33 175.28 175.19 175.12 175.04 174.67 174.67 174.67 174.43 174.37 174.32 174.32 174.27 174.19 174.12 173.86 173.86 173.86 173.86 173.86 173.86 173.86 173.86 173.86 173.86 173.86 173.86 173.86	175.79 175.70 175.62 175.62 175.62 175.53 175.45 175.36 175.31 175.22 174.92 174.70 174.92 174.70 174.54 174.86 174.41 174.35 174.30 174.22 174.15 174.06 173.89 173.81 173.71 173.60	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.03 0.03 0.03 0.03 0.04 0.03 0.03 0.03 0.04 0.03 0.04 0.03 0.04 0.03 0.03 0.03 0.03 0.04 0.03 0.03 0.03 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.04 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.05



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TRUNK SANITARY SEWER ATLAS AND RECORD DRAWINGS December 9, 2014

Appendix C TRUNK SANITARY SEWER ATLAS AND RECORD DRAWINGS

- C.1 TRUNK SANITARY SEWER ATLAS
- C.2 RECORD DRAWINGS



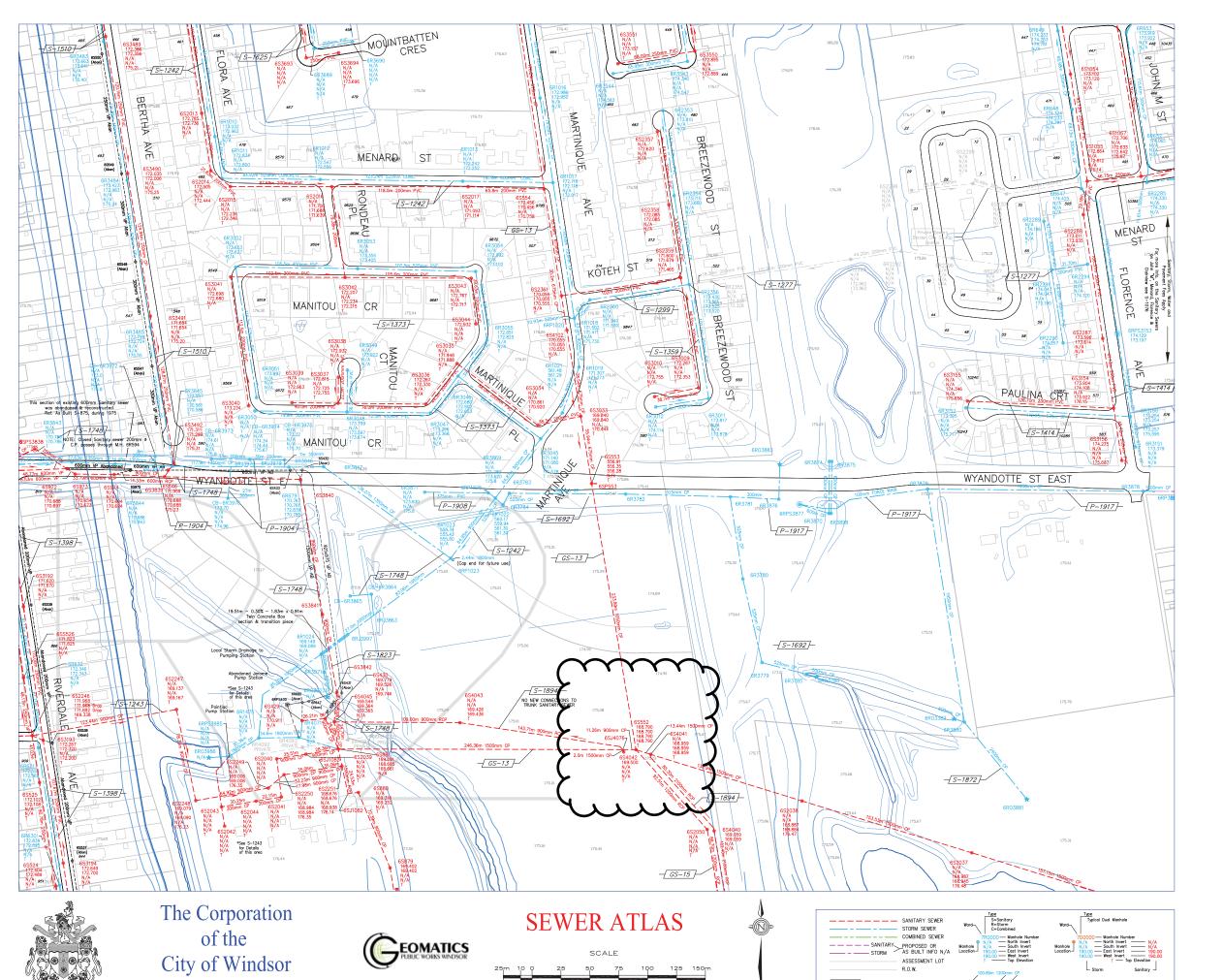


	Table of Revisions		
	R2		
Number	Revision	Date	Ву
	Revised	June 2004	WR/JC
	Revised	June 2005	WR/JC
	Revised	June 2007	WR
	Revised To Show Edge of Pavement 2006	July 2007	WR
	Revised	Oct 2008	JM
	Added S-1894 Proposed	Apr 2010	MLR
	Revised Little River Treatment Plant Area	Nov 2010	MLR
	Added S-1894 As-built	Jan 2011	MLR

R1 S1 R3 S3 Q3

Public Works, Engineering & Projects







			iype	
SAI	NITARY SEWER Word-	S=Sanitary R=Storm	Typical Dual Manhole	
sto	ORM SEWER	C=Combined	Ward	
co	MBINED SEWER	7R0000 — Manhole Number	7D0000 — Manhole Nur	
SANITARY PR	OPOSED OR Manhole		Manhole NA — North Invert	
STORM AS	BUILT INFO N/A Location-	190.00 — East Invert 190.00 — West Invert	Location J 190.00 — East Invert 190.00 — West Invert	190.00
AS:	SESSMENT LOT	Top Elevation	T — T	op Elevation
R.C	D.W.	100.85m 1200mm CP	L Storm	Sanitary _
	,	/ /		
— S-1000 — CONSTRUCTION DV	WG NUMBER Pipe Length	Pipe Size / Pipe Material		

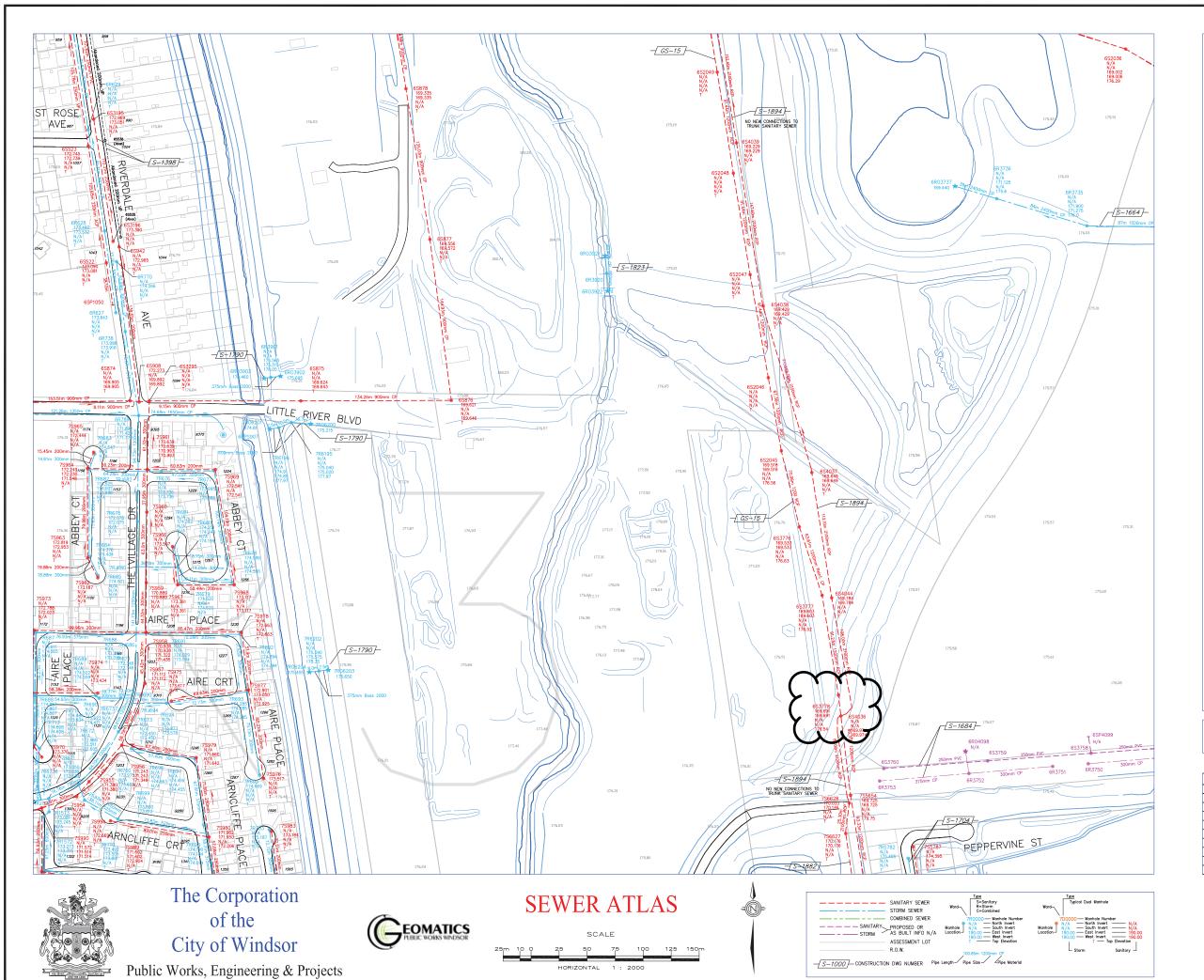


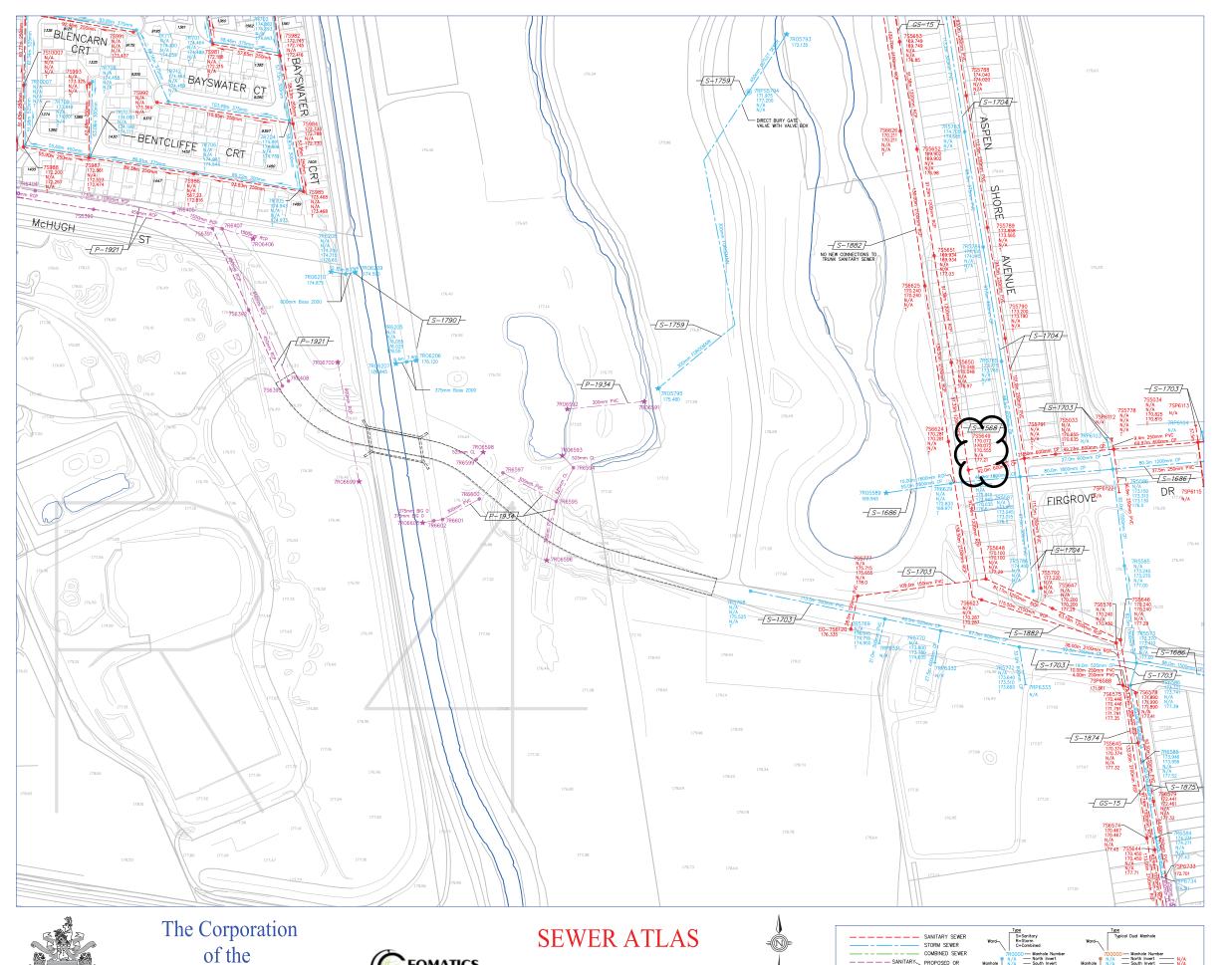
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	Table of Revisions				
R3					
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	Revised	June 2004	WR/JC		
	Revised	June 2005	WR/JC		
	Revised	June 2007	WR		
	Revised To Show Edge of Pavement 2006	July 2007	WR		
	Added S-1882	Nov. 2009	MLR		
	Added S-1894 Proposed	Apr 2010	MLR		
	Added S-1882 & S-1894 As-builts	Jan 2011	MLR		

 Q2
 R2
 S2

 Q3
 R3
 S3

 Q4
 R4
 S4



	R4		
Number	Revision	Date	Ву
	Revised	June 2005	WR/JC
	Revised To Show Edge of Pavement 2006	July 2007	WR
	Added Proposed Sewer for McHugh Ext (P-1921)	May 2008	JC
	Added S-1874 & S-1875 Proposed	Sep 2009	MLR
	Added S-1882 Proposed	Nov 2009	MLR
	S-1874 As-builts	June 2010	MLR
	Added S-1882 As-built	Jan 2011	MLR
	Added S-1759 As-built	May 2011	MLR

R3 S3 R4 R5

of the City of Windsor Public Works, Engineering & Projects







	Topical Dual Manhole Number Topical Dual Manhole Number Topical Dual Manhole Number Numb
--	--

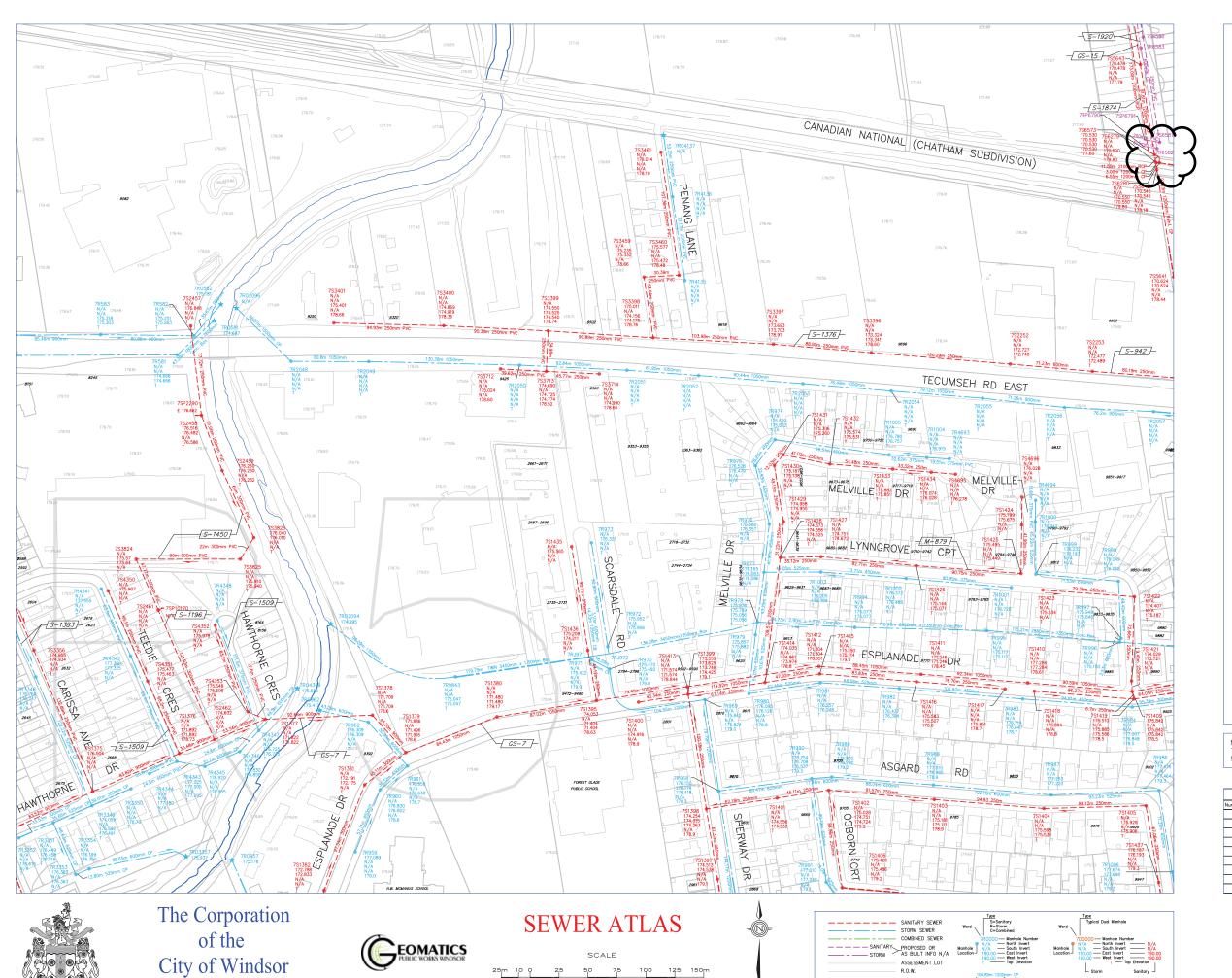


	Table of Revisions		
	R5		
Number	Revision	Date	Ву
0.	Revised	Sept/2003	
	Revised	Oct. 2003	WR/JC
	Revised	June 2004	WR/JC
	Revised	June 2005	WR/JC
	Revised	June 2007	WR
	Added S-1874 & S-1875 Proposed	Sep 2009	MLR
	S-1874 As-builts	June 2010	MLR

Q4 R4 S4 Q5 R5 Q6 R6



Public Works, Engineering & Projects



	Type	Туре
— — — — — — SANITARY SEWER	S=Sanitary	Typical Dual Manhole
STORM SEWER	Ward— R=Storm C=Combined	Ward
COMBINED SEWER	7R0000 Manhole Number	7D0000 Manhole Number
	Manhole NA — North Invert Manhole NA — South Invert	Manhole N/A — North Invert — N/A — South Invert — N/A
STORM AS BUILT INFO N/A	Location 190.00 — East Invert	Location 190.00 — East Invert — 190.00
ASSESSMENT LOT	T Top Elevation	190.00 — West Invert — 190.00 T — Top Elevation
R.O.W.	100.85m 1200mm CP	└ Storm Sanitary ┘
——————————————————————————————————————	Length Pipe Size Pipe Material	

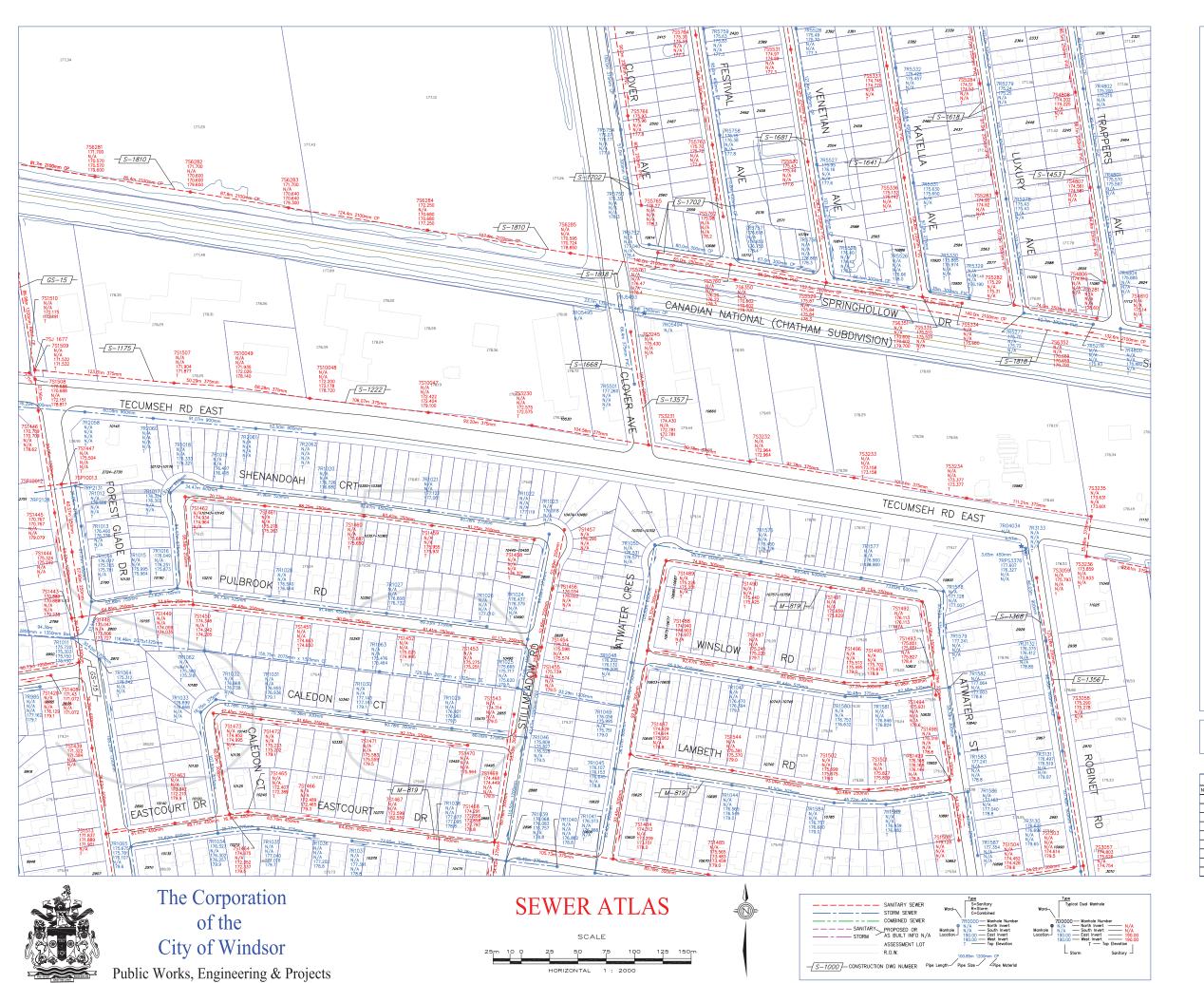


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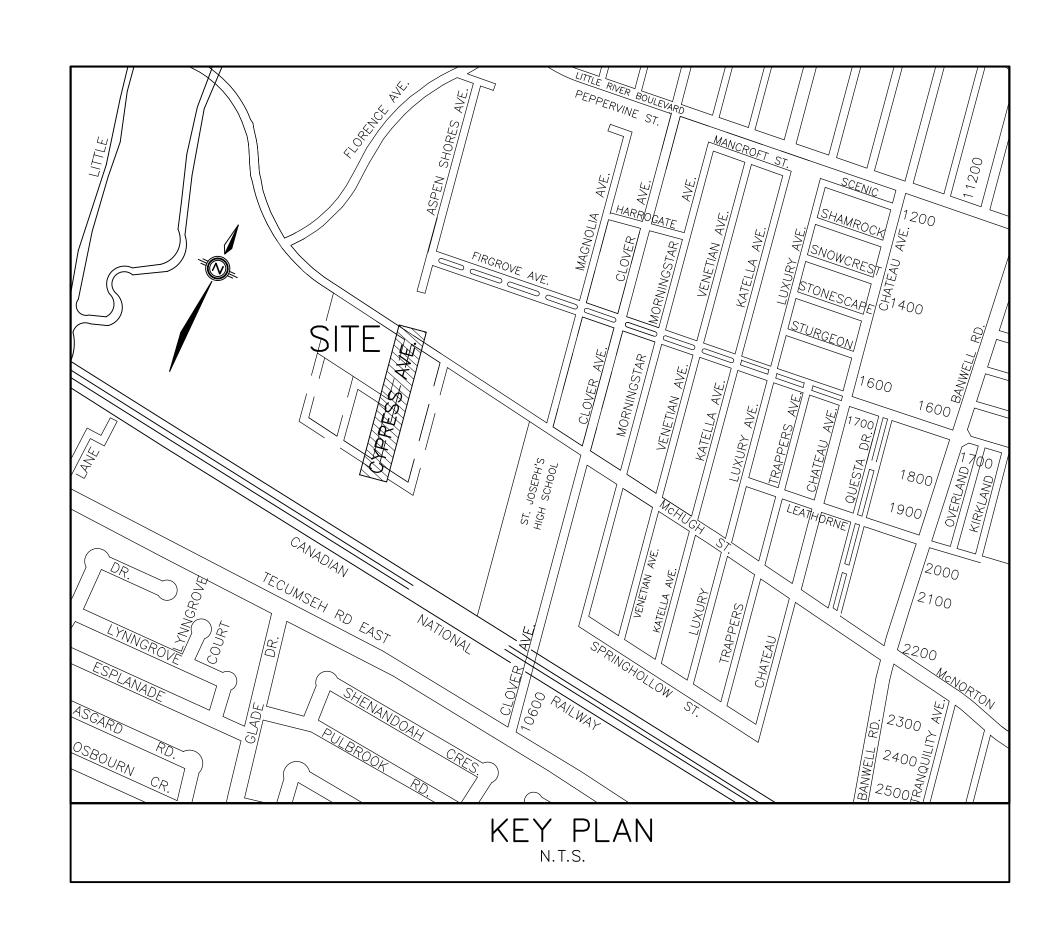
	Table of Revisions		
	\$5		
Number	Revision	Date	Ву
0.	Revised		
	Revised	Sept/2003	
	Revised	Oct. 2003	WR/JC
	Revised	June 2004	WR/JC
	Revised	June 2005	WR/JC
	Revised	June 2007	WR
	Revised To Show Edge of Pavement 2006	July 2007	WR
	Springhollow as-builts	Jan 2008	PJU
	Trunk Sanitary Sewer as—builts for Annexed Lands along CNR	Jan 2008	MLR

 R4
 S4
 T4

 R5
 S5
 T5

 R6
 S6
 T6

CYPRESS AVENUE TRUNK SANITARY SEWER AS CONSTRUCTED



	INDEX
No.	DESCRIPTION
1.	INDEX, LEGEND, KEY PLAN & BENCH MARK
2.	PLAN AND PROFILE
3.	MISCELLANEOUS DETAILS

LEGEND								
DESCRIPTION	EXISTING	FUTURE (BY OTHERS)	NEW					
STORM SEWER	EX 375mmø ST	300mmø STM =	= 300mmø STM =					
SANITARY SEWER	EX 250mmø SAN	250mmø SAN	250mmø SAN					
WATER MAIN	EX 200mmø W	200mmø WAT	200mmø WAT					
GAS MAIN	c							
GAS MARKER	□ Gs.M.							
BELL, HYDRO, & CABLE TV	———В н тv ———							
BELL, & CABLE TV PED.	□ B.P.,C.P.							
WATER VALVE	— — ⊗	W.V.	W.V. →					
FIRE HYDRANT & WATER VALVE	— — — — — — — — — — — — — — — — — — —	F.H. & W.V.	₱ F.H. & W.V.					
CURB AND GUTTER	=======================================							
CATCH BASIN	C.B. ⊞	C.B.	C.B.					
MANHOLE	○ M.H.	● MH	● MH					
LOT ELEVATION	\8 ^{3,81}	(183.35)	(183.35)					
ROAD ELEVATION	\8 ³ .8 ⁵ \	183.35	183.35					
TRANSFORMER	W	W						
STREETLIGHT		•						
TRAFFIC SIGN	T.S.							
ROAD CROSSINGS								
SIDEWALK/ DRIVEWAY								

ELEVATIONS

ELEVATIONS SHOWN ON THIS PLAN ARE IN METRIC TO CANADIAN GEODETIC DATUM

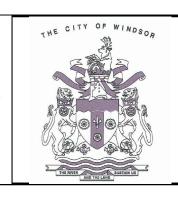
SITE BENCH MARK #1 ELEVATION 179.636

T.O.N. FH LOCATED ON SOUTH SIDE OF McHUGH, EAST OF WEST ENTRANCE TO SOCCER FIELD PARKING LOT.

SITE BENCH MARK #2

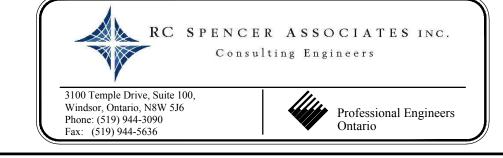
ELEVATION 179.596 T.O.N. FH LOCATED AT NORTH WEST CORNER OF FLORENCE/

_	
PROFESSIONAL TRO	NEER
TO WINCE OF ONTARIO	/



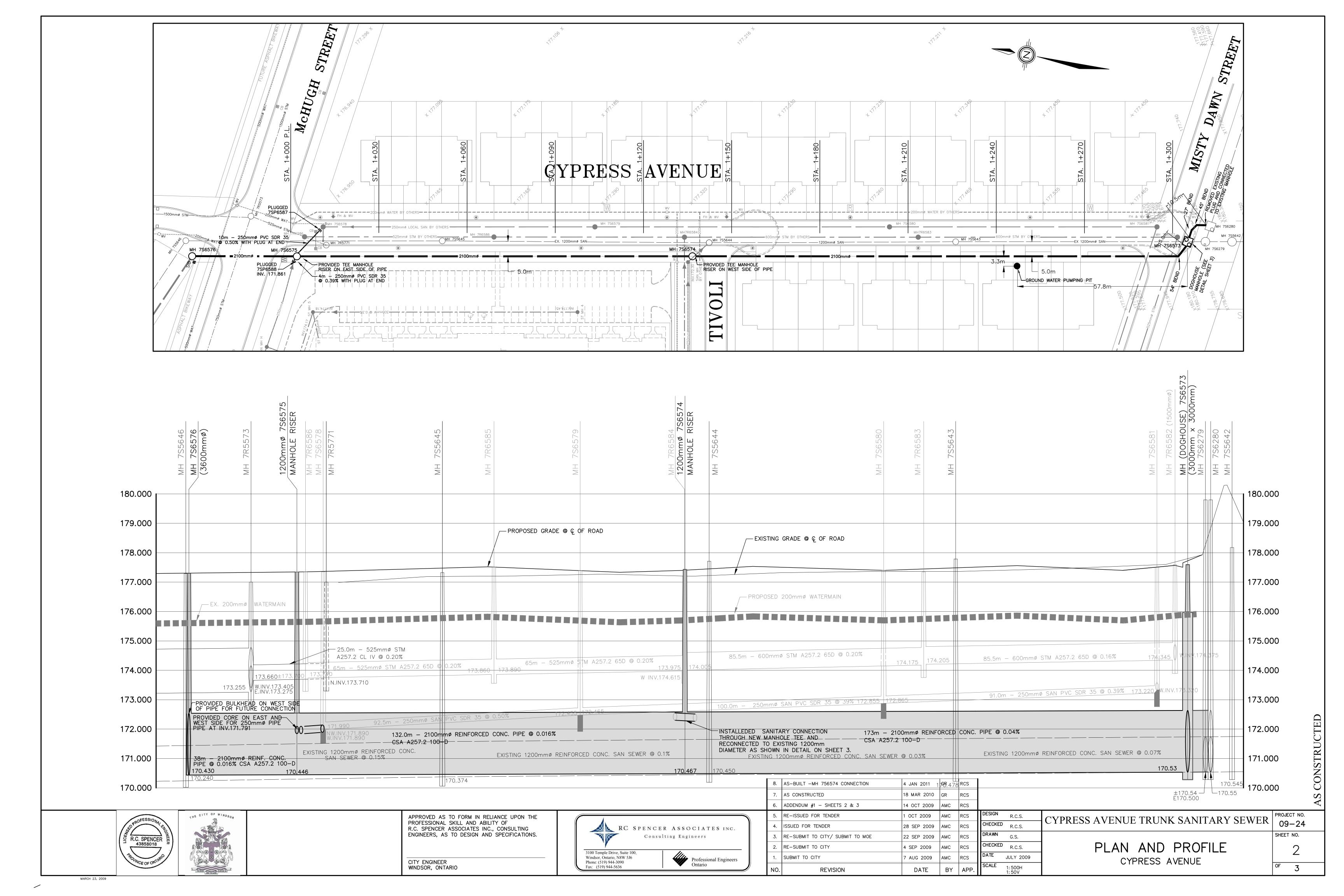
APPROVED AS TO FORM IN RELIANCE UPON THE PROFESSIONAL SKILL AND ABILITY OF R.C. SPENCER ASSOCIATES INC., CONSULTING ENGINEERS, AS TO DESIGN AND SPECIFICATIONS.

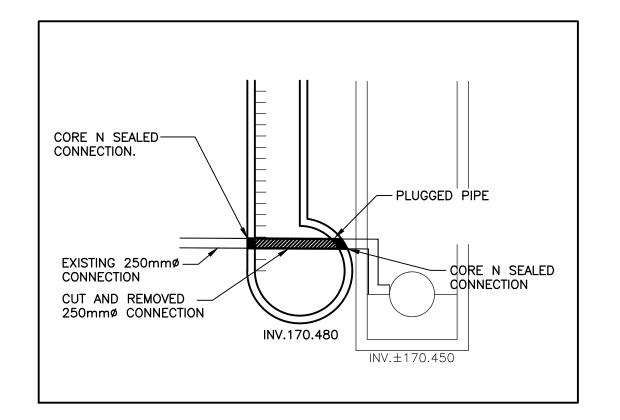
CITY ENGINEER WINDSOR, ONTARIO



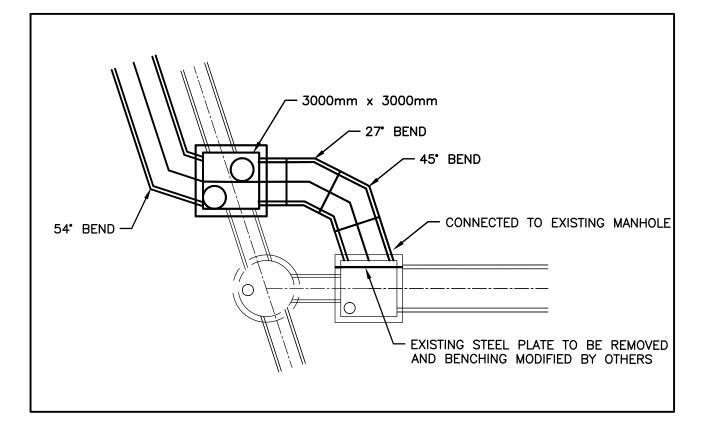
_				_		
8.	AS-BUILT -MH 756574 CONNECTION	4 JAN 2011	GR	RCS		
7.	AS CONSTRUCTED	18 MAR 2010	GR	RCS		
6.	ADDENDUM #1 - SHEETS 2 & 3	14 OCT 2009	АМС	RCS		
5.	RE-ISSUED FOR TENDER	1 OCT 2009	АМС	RCS	DESIGN	R.C.S
4.	ISSUED FOR TENDER	28 SEP 2009	AMC	RCS	CHECKED	R.C.S
3.	RE-SUBMIT TO CITY/ SUBMIT TO MOE	22 SEP 2009	АМС	RCS	DRAWN	G.S.
2.	RE-SUBMIT TO CITY	4 SEP 2009	АМС	RCS	CHECKED	R.C.S
1.	SUBMIT TO CITY	7 AUG 2009	AMC	RCS	DATE	JULY 2
NO.	REVISION	DATE	BY	APP.	SCALE	NTS

CYPRESS AVENUE TRUNK SANITARY SEWER INDEX, LEGEND, KEY PLAN & BENCHMARK

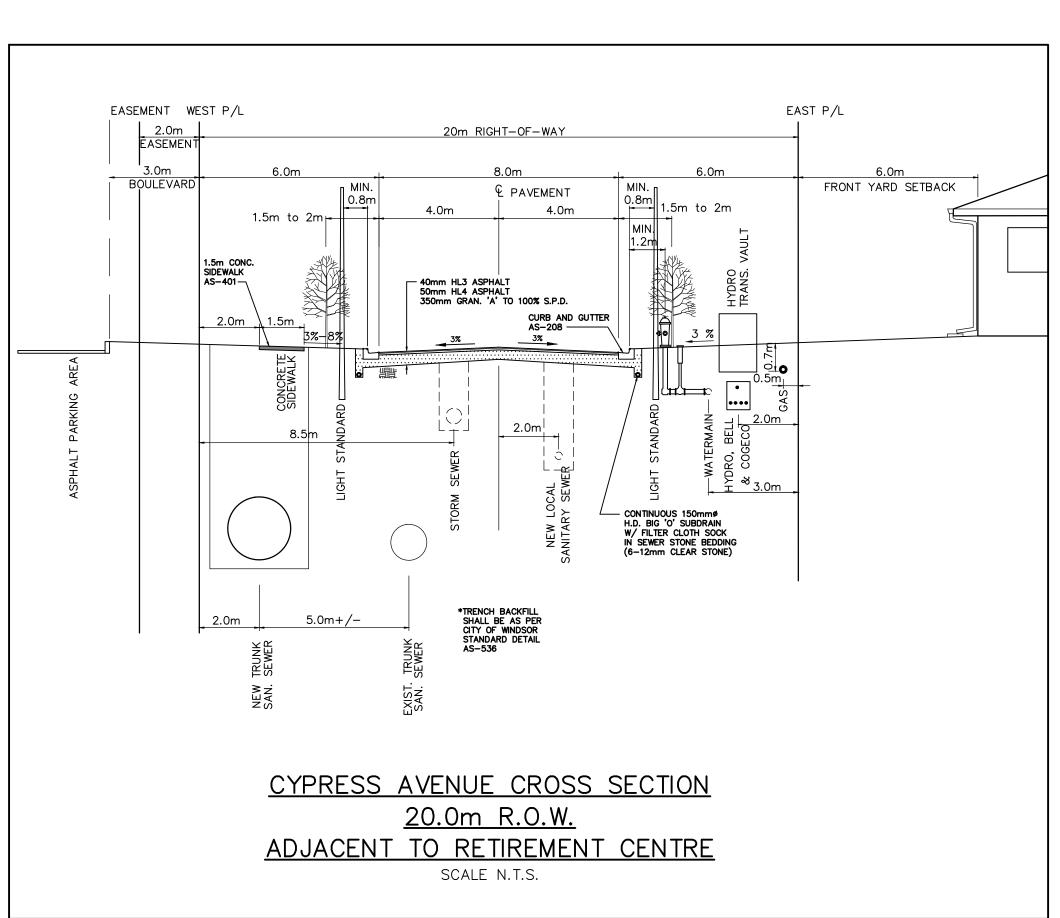


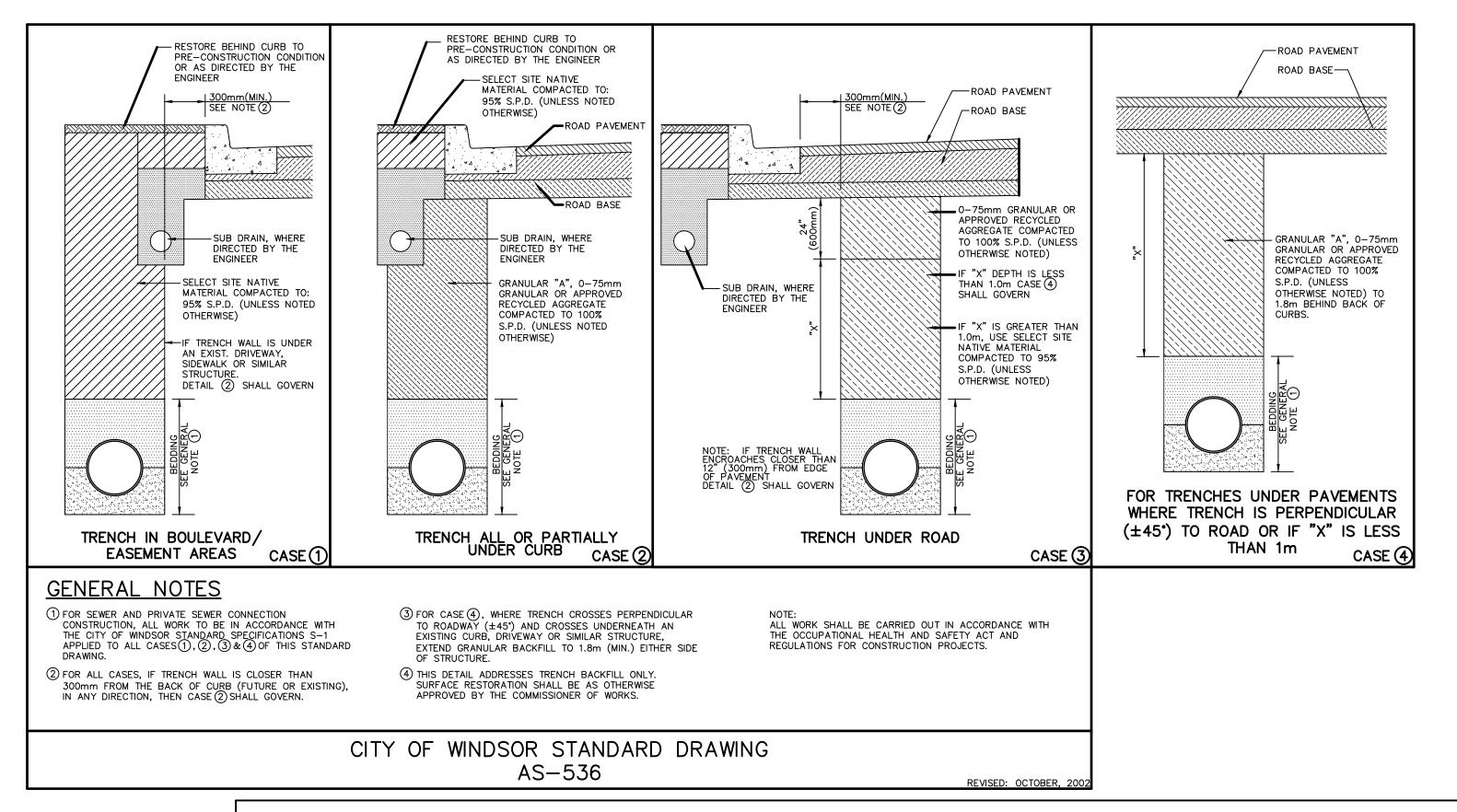


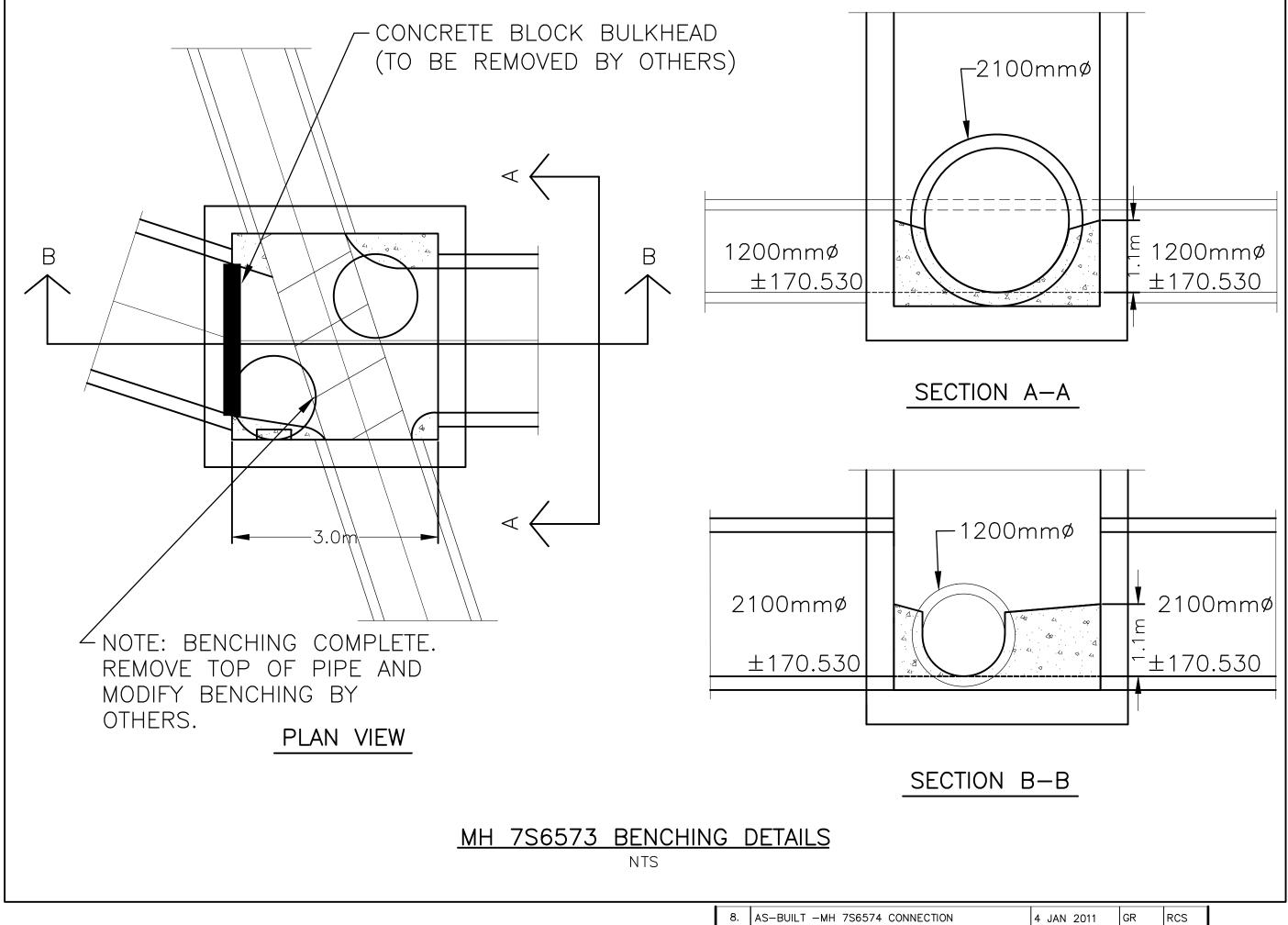
MH 7S6574 DETAIL SCALE - 1:100

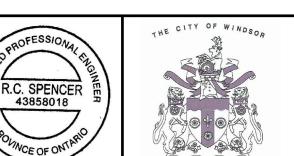


CONNECTION TO EXISTING MANHOLE DETAILS SCALE - 1:200









APPROVED AS TO FORM IN RELIANCE UPON THE PROFESSIONAL SKILL AND ABILITY OF R.C. SPENCER ASSOCIATES INC., CONSULTING ENGINEERS, AS TO DESIGN AND SPECIFICATIONS.

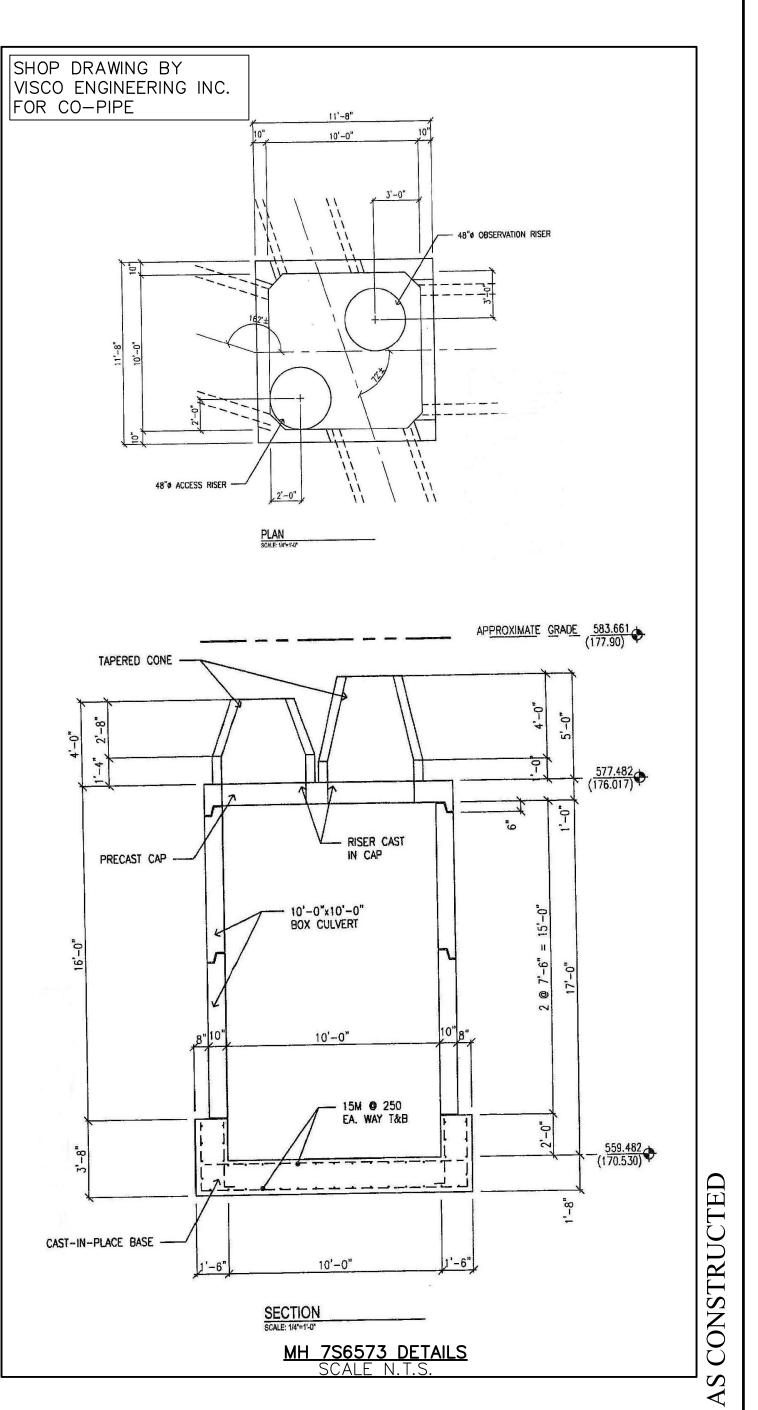


	7.	AS CONSTRUCTED	18 MAR 2010	GR	RCS	
	6.	ADDENDUM #1 - SHEETS 2 & 3	14 OCT 2009	AMC	RCS	
	5.	RE-ISSUED FOR TENDER	1 OCT 2009	AMC	RCS	DESIGN
	4.	ISSUED FOR TENDER	28 SEP 2009	AMC	RCS	CHECKED F
	3.	RE-SUBMIT TO CITY/ SUBMIT TO MOE	22 SEP 2009	AMC	RCS	DRAWN
_	2.	RE-SUBMIT TO CITY	4 SEP 2009	AMC	RCS	CHECKED F
s	1.	SUBMIT TO CITY	7 AUG 2009	AMC	RCS	DATE JU
	NO.	REVISION	DATE	BY	APP.	SCALE AS

R.C.S. G.S. R.C.S. JULY 2009 AS SHOWN

GENERAL NOTES

- 1. PERFORM ALL WORK TO CITY OF WINDSOR AND W.U.C. STANDARDS.
- 2. RESTORE ALL DISTURBED AREAS WITHIN EXISTING R.O.W. LIMITS TO CITY OF WINDSOR STANDARDS.
- 3. ALL EXCAVATIONS UNDER PAVEMENT AND WITHIN 300mm OF CURB TO BE BACKFILLED FULL WITH CITY OF WINDSOR 0mm TO 75mm CRUSHER RUN OR GRANULAR 'A' AS PER CITY OF WINDSOR SPECIFICATIONS (100% S.P.D.).
- 4. SEWER AND WATERMAIN TRENCHES IN BOULEVARD TO BE COMPACTED TO 95% STANDARD PROCTOR DRY DENSITY.
- 5. SEWER BEDDING SHALL BE CLASS 'B' EXCEPT CLASS 'A' TO FIRST PIPE JOINT OUTSIDE MANHOLES.
- 6. UTILITY SUPPORTS OR GRANULAR BACKFILL (C.O.W. 0mm TO 75mm CRUSHER RUN) SHALL BE USED WHERE STORM P.D.C.'S CROSS SANITARY SEWER TRENCH. (COMPACTED TO 100% SPD).
- 7. CONTRACTOR TO ENSURE ALL MANHOLES AND MANHOLE OPENINGS ARE NOT CONSTRUCTED IN CONFLICT WITH CURB AND GUTTER.
- 8. ALL MANHOLES TO BE 1200mm DIA. UNLESS OTHERWISE NOTED.
- 9. CONNECTIONS TO CONCRETE PIPE: ALL PLANTS OR FIELD MANUFACTURED TEES SHALL CONSIST OF AN ASBESTOS CEMENT STOP COUPLER GROUTED IN PLACE WITH A NON-SHRINK GROUT. ALL GROUTED STOP COUPLERS SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 12 HOURS BEFORE USE. ALL ASBESTOS CEMENT STOP COUPLERS ARE TO HAVE A 0.25" INTERNAL MONOLITHIC STOPPER AS WELL AS AN INTERNAL RUBBER GASKET WHICH IS TO BE GLUED IN PLACE. THE USE OF WINGED PVC SAND COATED BELL WILL NOT BE PERMITTED IN TAPPING CONCRETE PIPE.
- 10. CONTRACTOR SHALL EXPOSE ALL SEWER TRENCHES BELOW PAVEMENT SUBGRADE FOR COMPACTION VERIFICATION
- 11. TRENCH WIDTHS FOR SEWER WITH CLASS 'B' BEDDING SHALL NOT EXCEED 3.3m AT TOP OF PIPE

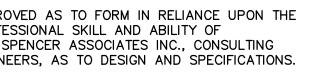




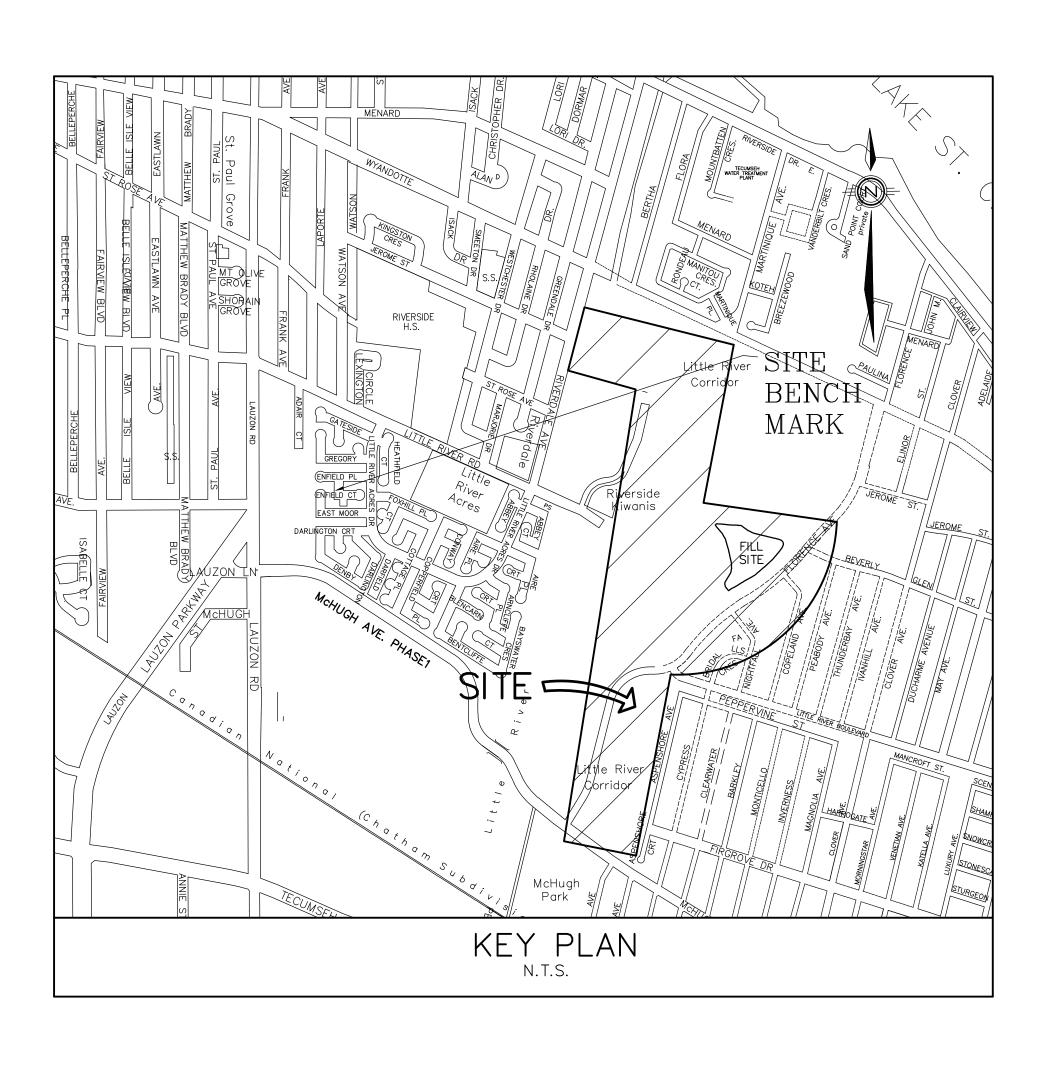


MARCH 23, 2009





SANDWICH SOUTH EMPLOYMENT LANDS SANITARY TRUNK SEWER PHASE 2 STAGE 2A & 2B AS-CONSTRUCTED



	INDEX									
No.	DESCRIPTION									
1.	INDEX, LEGEND, KEY PLAN & BENCH MARK									
2.	GENERAL PLAN									
3.	PLAN AND PROFILE - STA 2+267.3N TO STA 2+345NW STA 2+358W TO MH 6S881									
4.	PLAN AND PROFILE - STA 1+900N TO STA 2+267.3N									
5.	PLAN AND PROFILE- STA 1+500N TO STA 1+880N									
6.	PLAN AND PROFILE- STA 1+500N TO STA 0+880N									
7.	PLAN AND PROFILE- STA 0+880N TO STA 0+706.28N STA 0+721.36W TO STA 0+598.90W									
8.	MISCELLANEOUS DETAILS									

ELEVATIONS

ELEVATIONS SHOWN ON THIS PLAN ARE IN METRIC TO CANADIAN GEODETIC DATUM

SITE BENCH MARK—C.O.W BM#600 ELEVATION 177.064

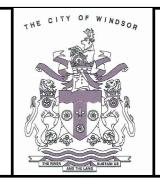
ON THE SOUTH SIDE OF LITTLE RIVER ROAD, NEXT EAST OF RIVERDALE 275± FEET; THE PLATE IS LOCATED ON THE SOUTH

WEST WALL 0.1 FEET SOUTH OF THE NORTH WALL (PRIMORD

PUMPING STATION) AND 1.3 FEET ABOVE GRADE.

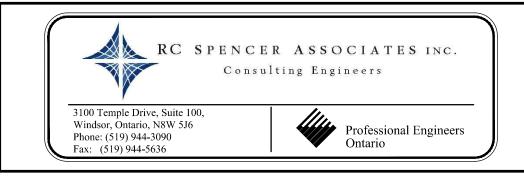
	LEGEI	ND
DESCRIPTION	EXISTING	NEW
STORM SEWER	EX 375mmø ST	
SANITARY SEWER	EX 1200mmø SAN	2100mmø SAN
WATER MAIN	EX 200mmø W	
GAS MAIN	—— с ——	
GAS MARKER	Gs.M.	
BELL, HYDRO, & CABLE TV	————В H TV ————	
BELL, & CABLE TV PED.	B.P.,C.P.	
WATER VALVE	——⊗ _{W.V.}	
FIRE HYDRANT & WATER VALVE		
CURB AND GUTTER		
CATCH BASIN	C.B. ⊞	
MANHOLE	○ M.H.	● MH
LOT ELEVATION	\83. ^{8\}	
ROAD ELEVATION	18 ^{3,8} 1	
TRANSFORMER	W	
STREETLIGHT	L/S •	
TRAFFIC SIGN	T.S. ●	
SIDEWALK/ DRIVEWAY		
ASPHALT TRAIL TO BE REMOVED AND REPLACED		
SILT FENCE (OPSD 219.130)		-0-0-0-0-0-
WORK ZONE		
SNOW FENCE		-



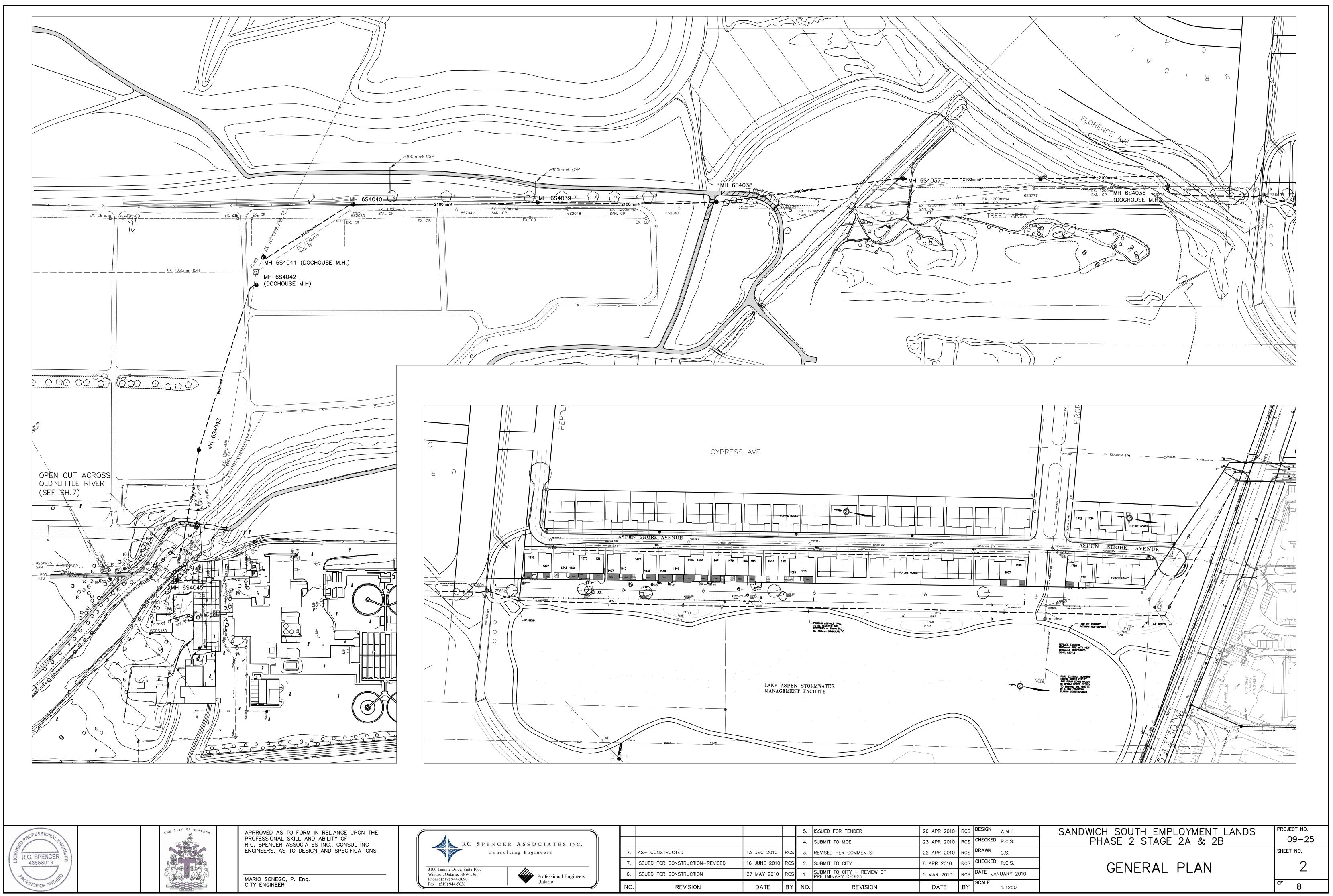


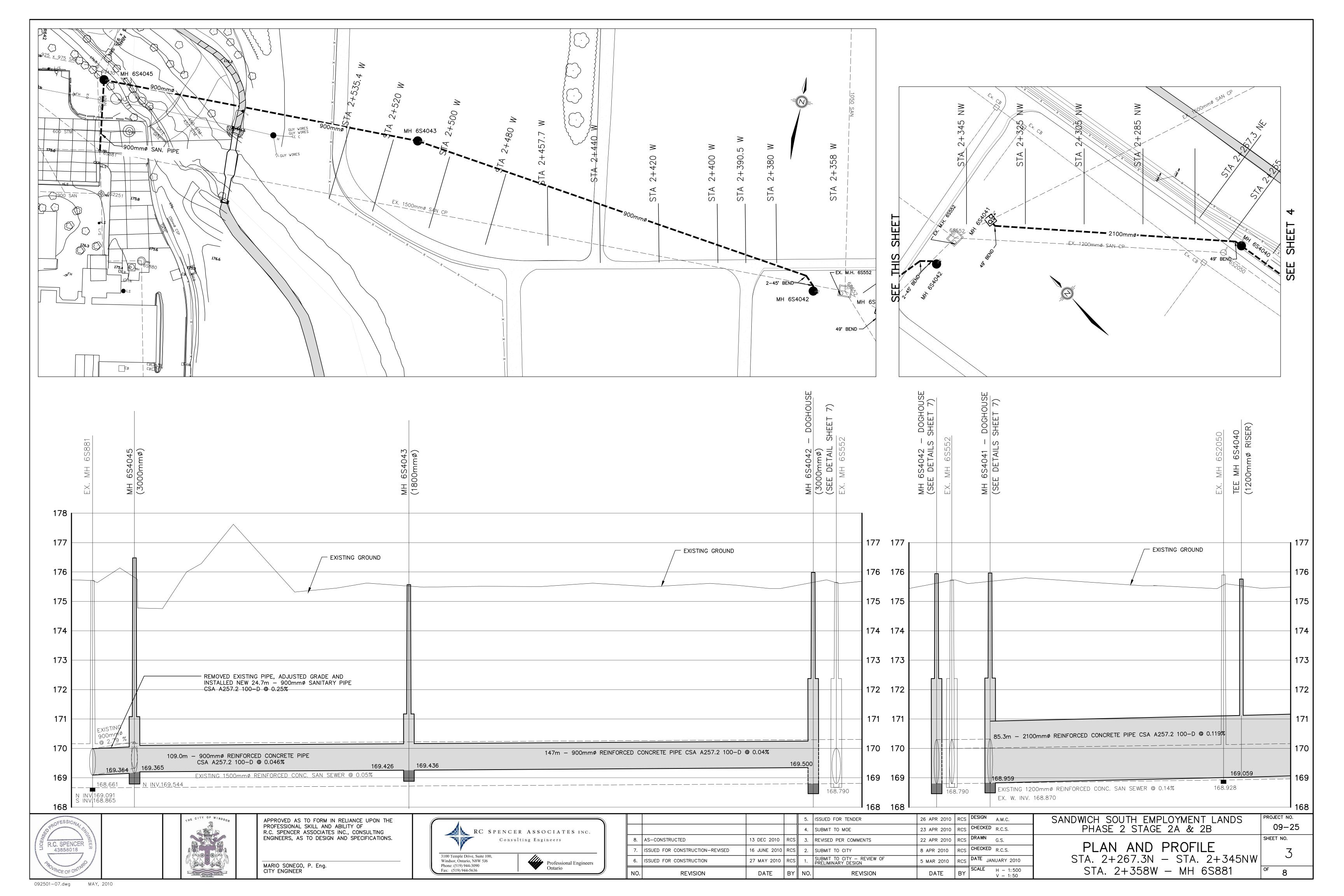
APPROVED AS TO FORM IN RELIANCE UPON THE PROFESSIONAL SKILL AND ABILITY OF R.C. SPENCER ASSOCIATES INC., CONSULTING ENGINEERS, AS TO DESIGN AND SPECIFICATIONS.

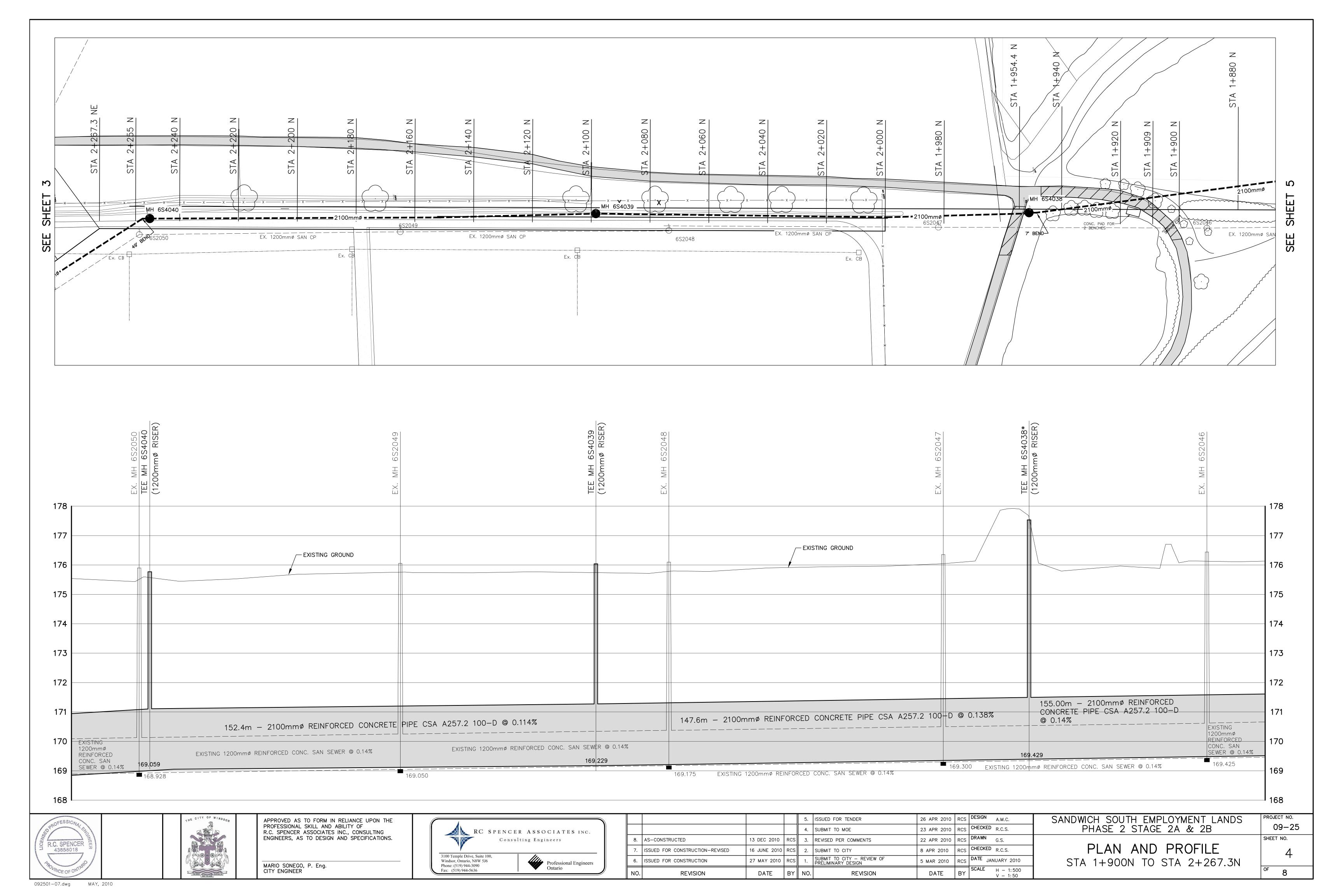
MARIO SONEGO, P. Eng. CITY ENGINEER

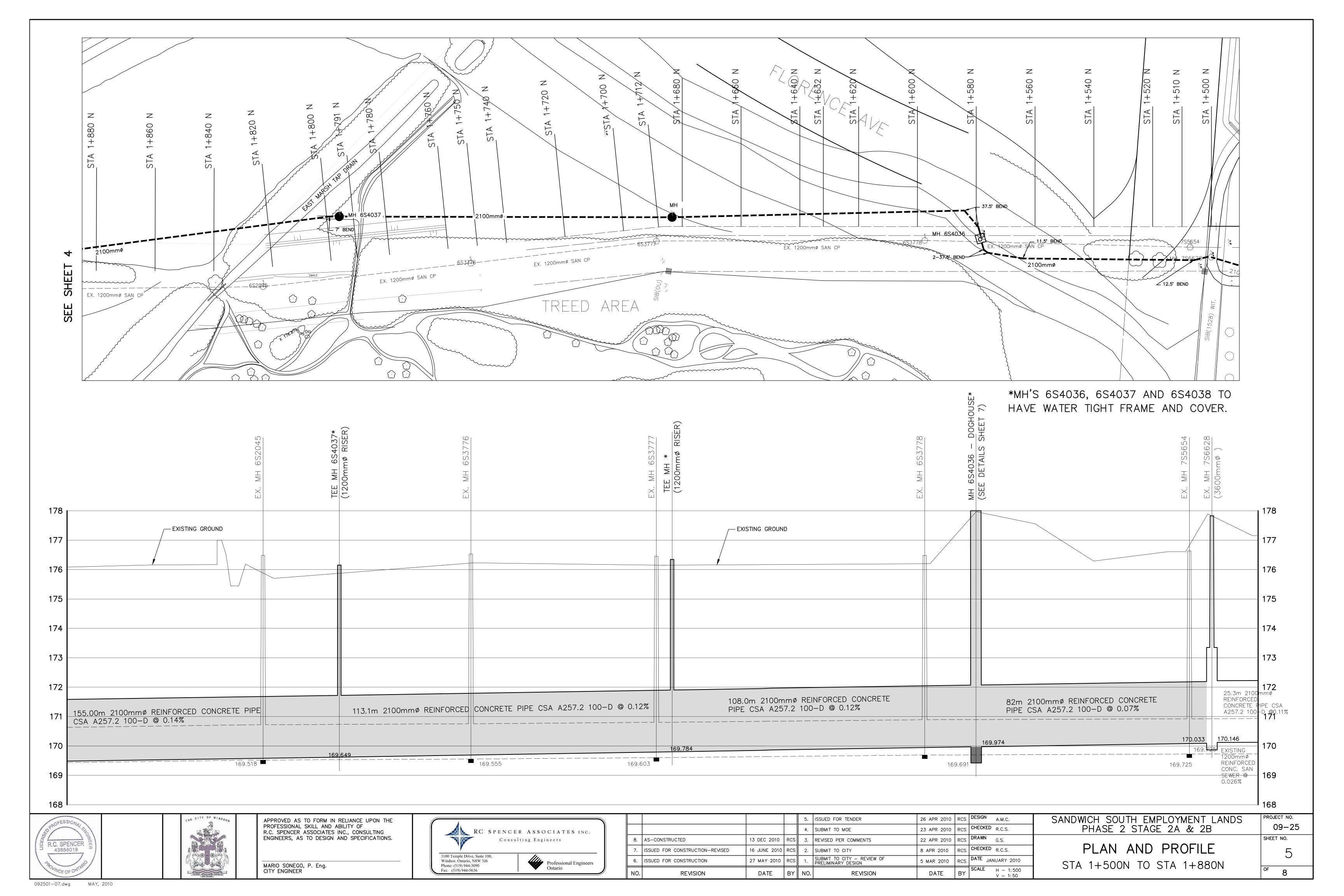


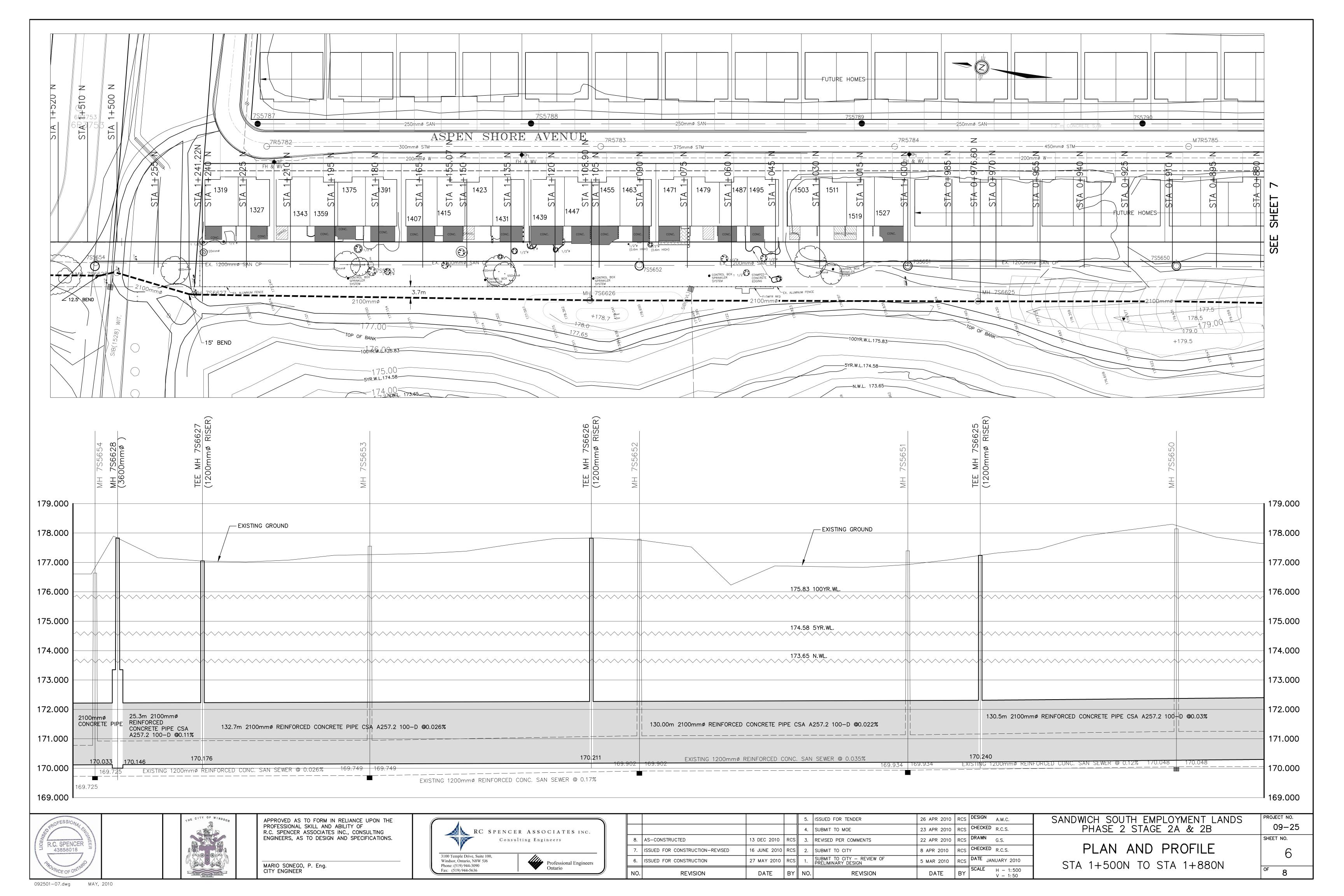
				5.	ISSUED FOR TENDER	26 APR 2010	RCS	DESIGN A.M.C.	SANDWICH SOUTH EMPLOYMENT LANDS	PROJECT NO.
				4.	SUBMIT TO MOE	23 APR 2010	RCS	CHECKED R.C.S.	PHASE 2 STAGE 2A & 2B	09-25
8.	AS-CONSTRUCTED	13 DEC 2010	RCS	3.	REVISED PER COMMENTS	22 APR 2010	RCS	DRAWN G.S.		SHEET NO.
7.	ISSUED FOR CONSTRUCTION-REVISED	16 JUNE 2010	RCS	2.	SUBMIT TO CITY	8 APR 2010	RCS	CHECKED R.C.S.] INDEX, LEGEND, KEY PLAN	1
6.	ISSUED FOR CONSTRUCTION	27 MAY 2010	RCS	1.	SUBMIT TO CITY — REVIEW OF PRELIMINARY DESIGN	5 MAR 2010	RCS	DATE JANUARY 2010	AND BENCH MARK	'
NO.	REVISION	DATE	BY	NO.	REVISION	DATE	BY	SCALE NTS		OF 8

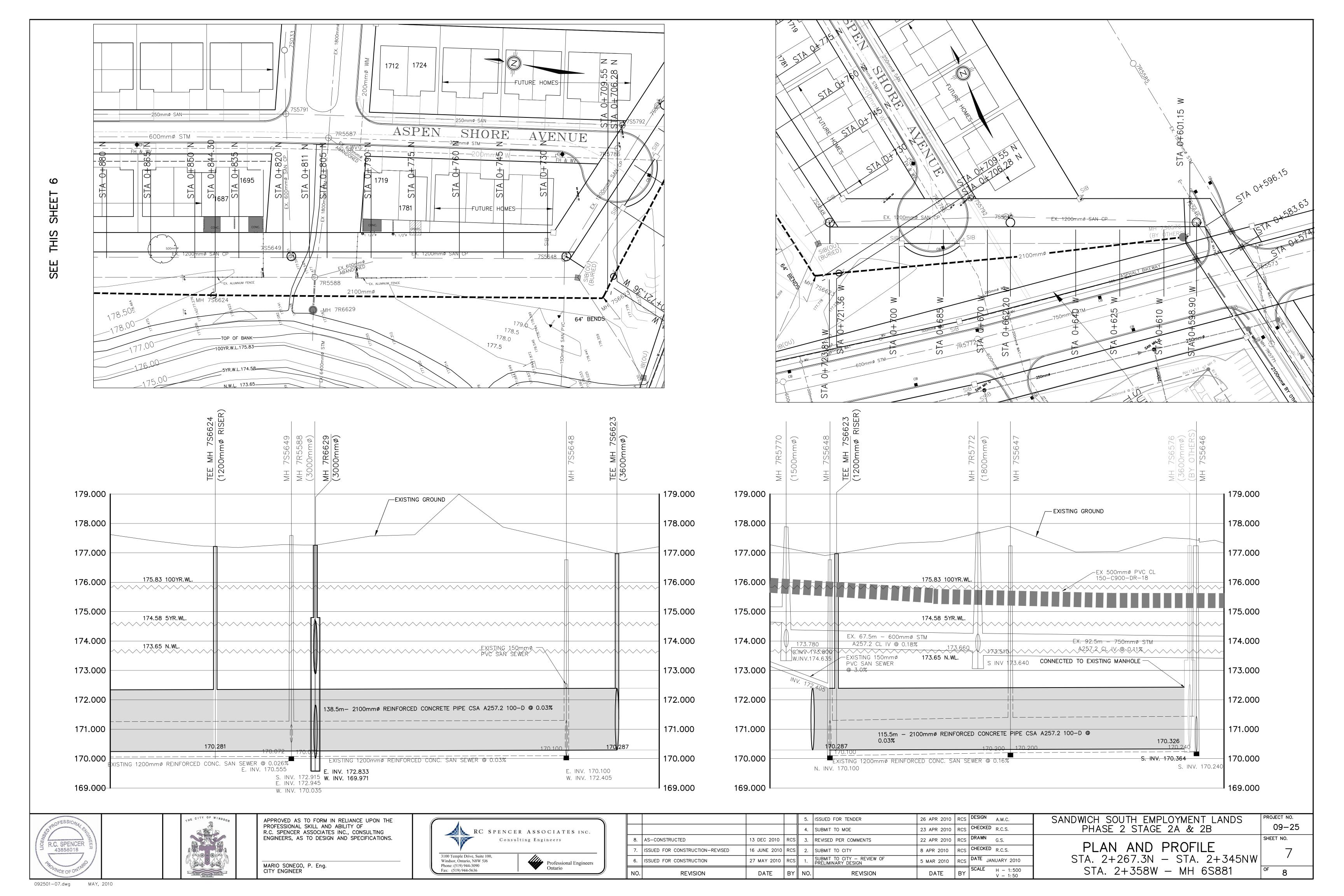


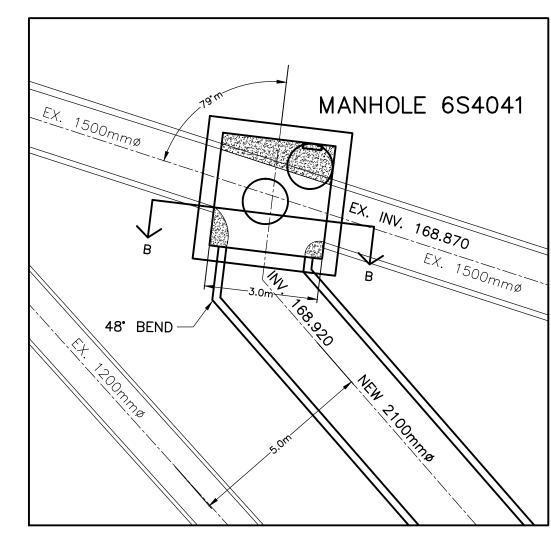






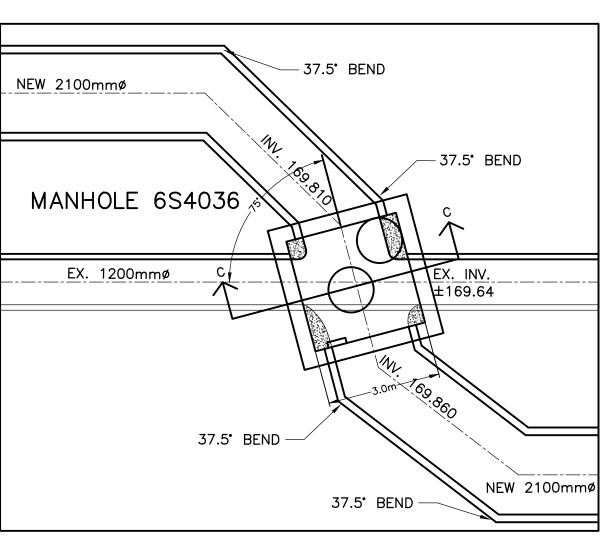






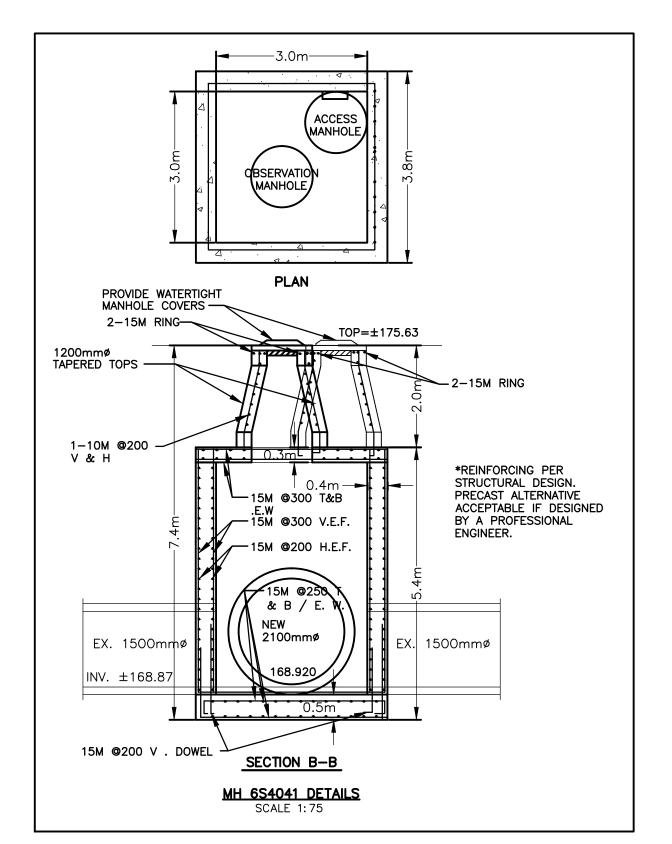
MANHOLE 6S4041 DETAILS

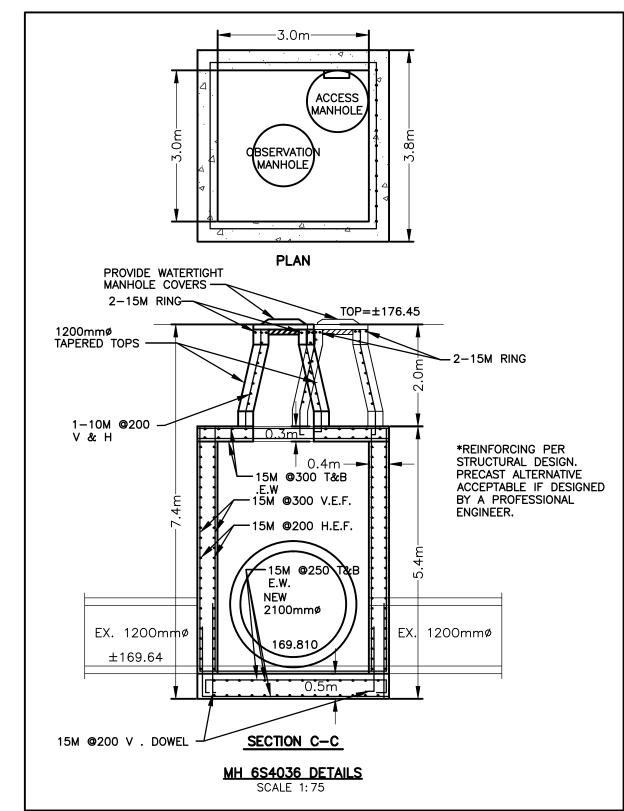
SCALE - 1:100

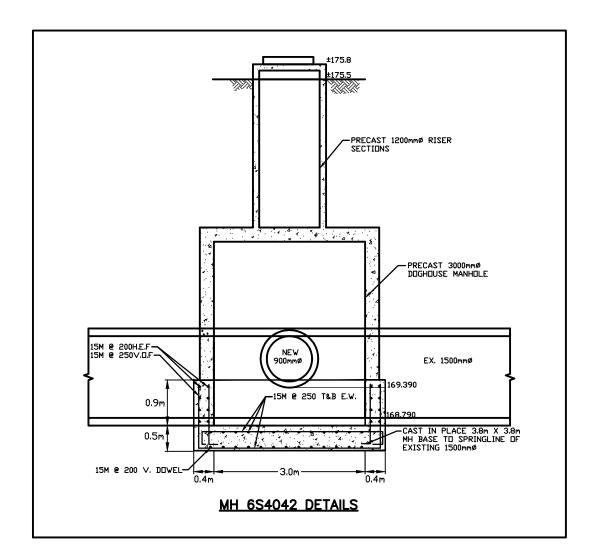


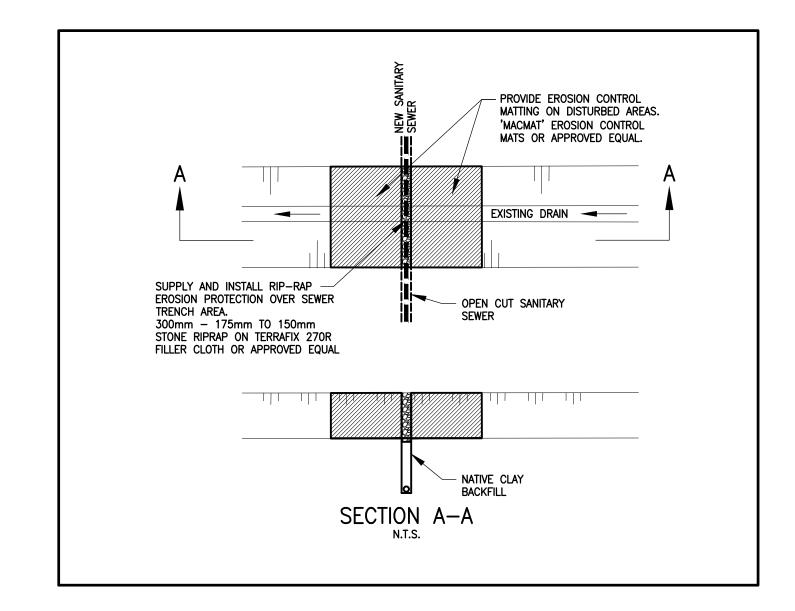
MANHOLE 6S4036 DETAILS

SCALE - 1:100

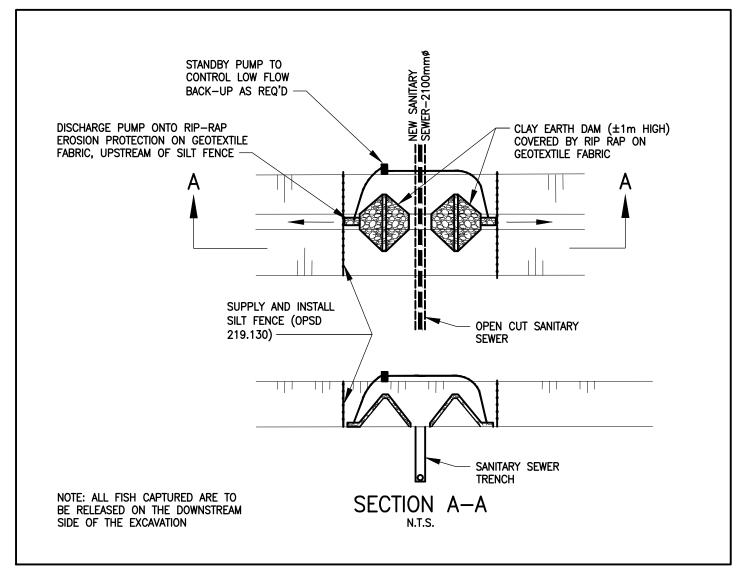








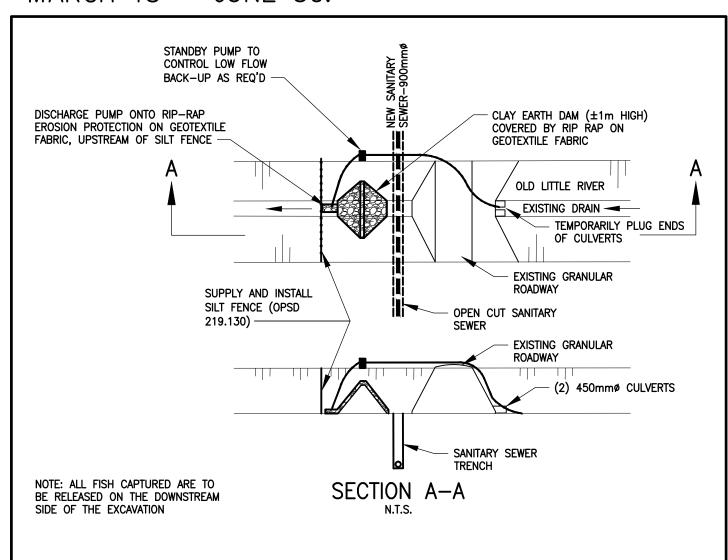
DETAIL 3: PROPOSED RESTORATION PLAN



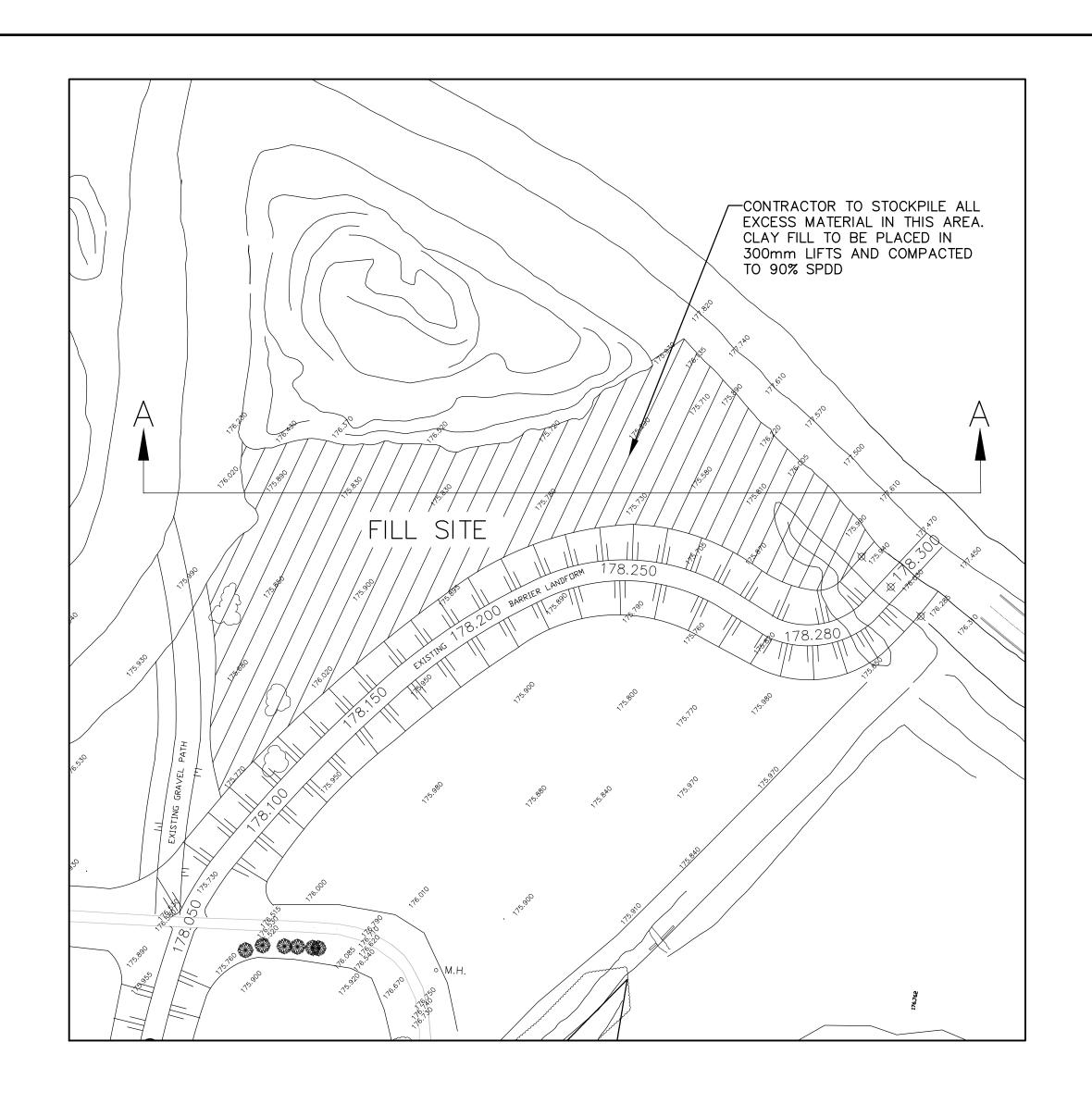
DETAIL 2: PROPOSED WATER CONTROL PLAN

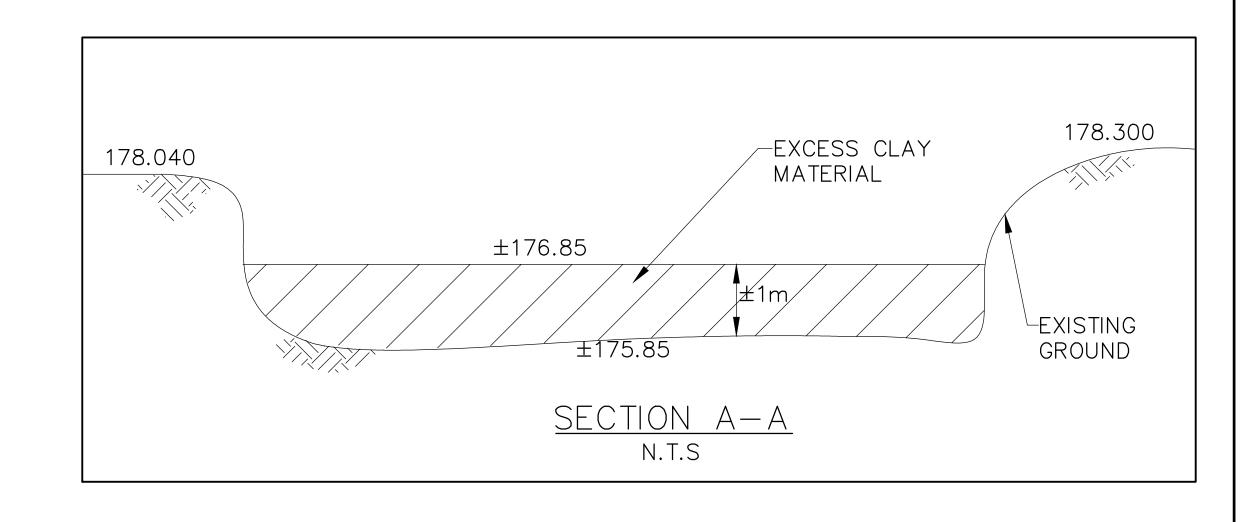
EAST MARSH TAP DRAIN CROSSING

*NOTE: NO IN-WATER WORK TO BE DONE BETWEEN MARCH 15 - JUNE 30.



DETAIL 1: PROPOSED WATER CONTROL PLAN
OLD LITTLE RIVER CROSSING



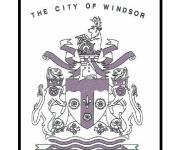


PROJECT NO.

SHEET NO.

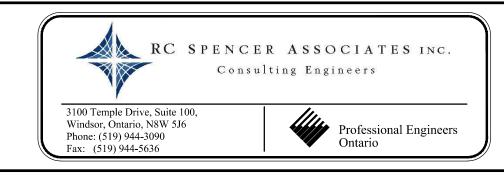
09-25





APPROVED AS TO FORM IN RELIANCE UPON THE PROFESSIONAL SKILL AND ABILITY OF R.C. SPENCER ASSOCIATES INC., CONSULTING ENGINEERS, AS TO DESIGN AND SPECIFICATIONS.

MARIO SONEGO, P. Eng. CITY ENGINEER



				5.	ISSUED FOR TENDER	26 APR 2010	RCS	DESIGN A.M.C.	SANDWICH SOUTH EMPLOYMENT LANDS
				4.	SUBMIT TO MOE	23 APR 2010	RCS	CHECKED R.C.S.	PHASE 2 STAGE 2A & 2B
8.	AS-CONSTRUCTED	13 DEC 2010	RCS	3.	REVISED PER COMMENTS	22 APR 2010	RCS	DRAWN G.S.	
7.	ISSUED FOR CONSTRUCTION-REVISED	16 JUNE 2010	RCS	2.	SUBMIT TO CITY	8 APR 2010	RCS	CHECKED R.C.S.	MICOELL ANIEGUIC DETAILC
6.	ISSUED FOR CONSTRUCTION	27 MAY 2010	RCS		SUBMIT TO CITY — REVIEW OF PRELIMINARY DESIGN	5 MAR 2010	RCS	DATE JANUARY 2010	MISCELLANEOUS DETAILS
NO.	REVISION	DATE	BY	NO.	REVISION	DATE	BY	SCALE AS SHOWN	