

SITE GRADING:

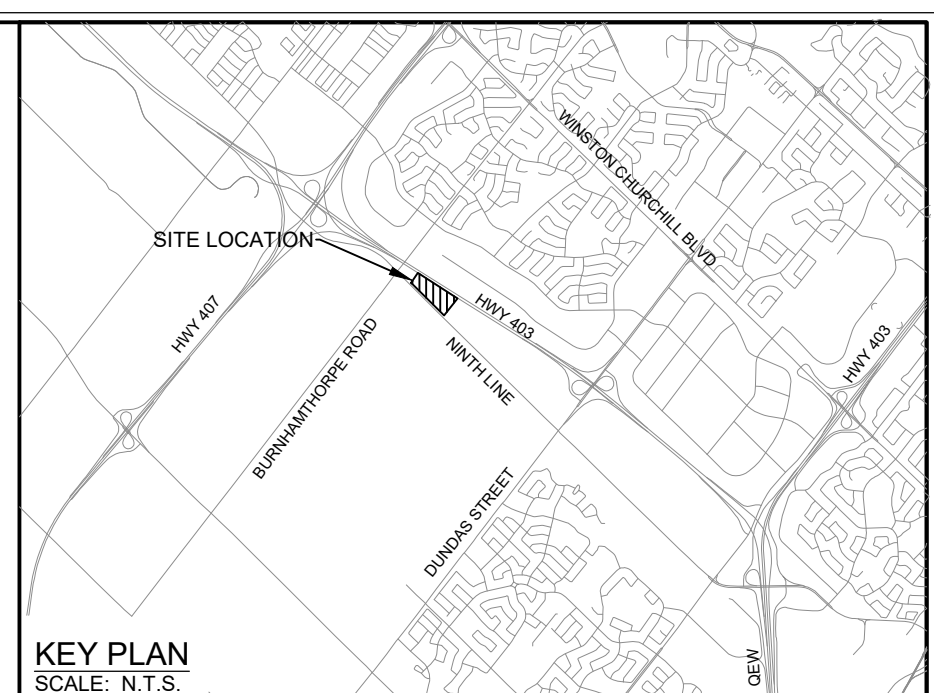
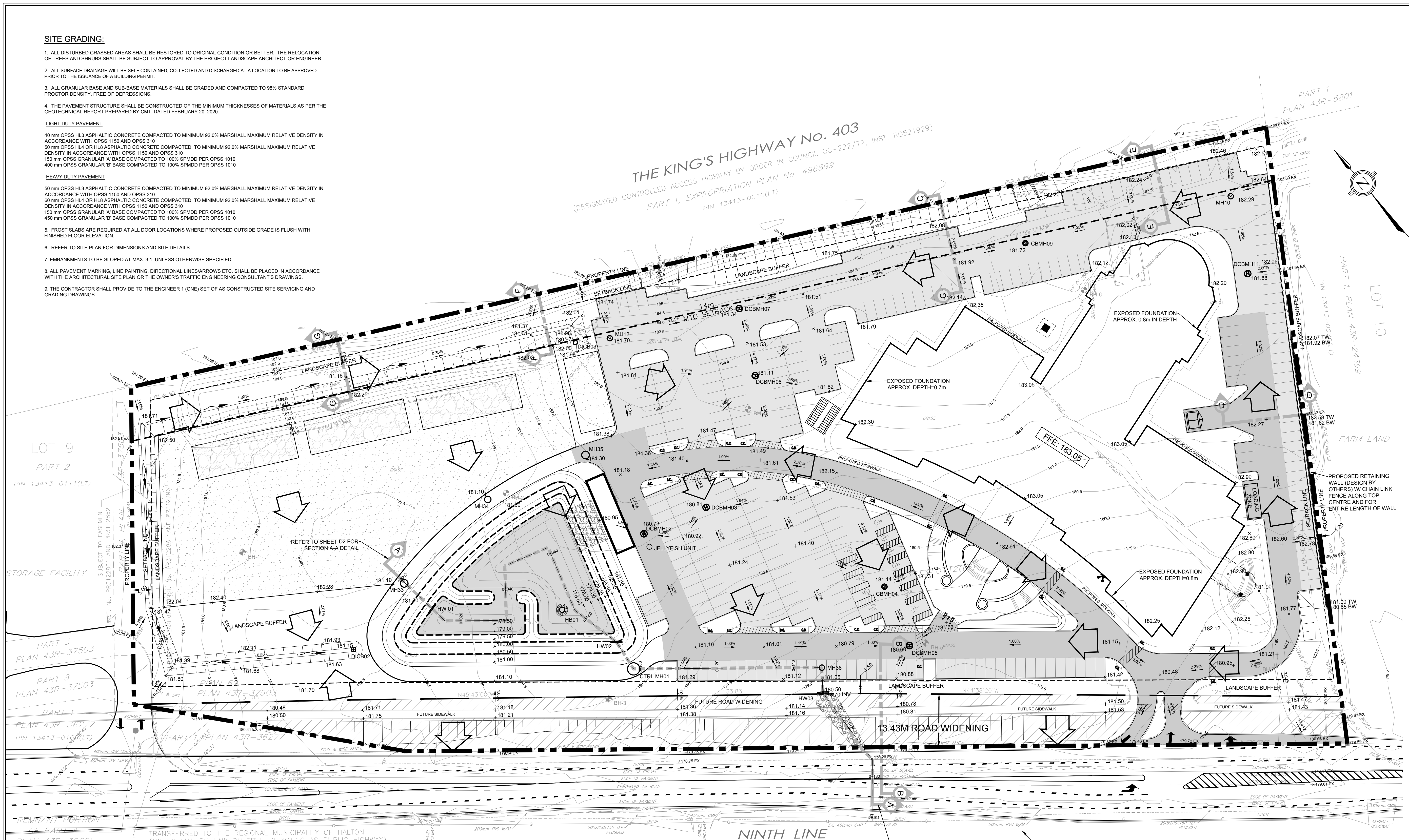
1. ALL DISTURBED GRASSED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. THE RELOCATION OF TREES AND SHRUBS SHALL BE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR ENGINEER.
2. ALL SURFACE DRAINAGE WILL BE SELF-CONTAINED, COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
3. ALL GRANULAR BASE AND SUB-BASE MATERIALS SHALL BE GRADED AND COMPACTED TO 98% STANDARD PROCTOR DENSITY, FREE OF DEPRESSIONS.
4. THE PAVEMENT STRUCTURE SHALL BE CONSTRUCTED OF THE MINIMUM THICKNESSES OF MATERIALS AS PER THE GEOTECHNICAL REPORT PREPARED BY CMT, DATED FEBRUARY 20, 2020.

LIGHT DUTY PAVEMENT

- 40 mm OPSS HL3 ASPHALTIC CONCRETE COMPACTED TO MINIMUM 92.0% MARSHALL MAXIMUM RELATIVE DENSITY IN ACCORDANCE WITH OPSS 1160 AND OPSS 310
- 50 mm OPSS HL4 OR HL8 ASPHALTIC CONCRETE COMPACTED TO MINIMUM 92.0% MARSHALL MAXIMUM RELATIVE DENSITY IN ACCORDANCE WITH OPSS 1150 AND OPSS 310
- 150 mm OPSS GRANULAR 'A' BASE COMPACTED TO 100% SPMD PER OPSS 1010
- 400 mm OPSS GRANULAR 'B' BASE COMPACTED TO 100% SPMD PER OPSS 1010

HEAVY DUTY PAVEMENT

- 50 mm OPSS HL3 ASPHALTIC CONCRETE COMPACTED TO MINIMUM 92.0% MARSHALL MAXIMUM RELATIVE DENSITY IN ACCORDANCE WITH OPSS 1160 AND OPSS 310
- 60 mm OPSS HL4 OR HL8 ASPHALTIC CONCRETE COMPACTED TO MINIMUM 92.0% MARSHALL MAXIMUM RELATIVE DENSITY IN ACCORDANCE WITH OPSS 1150 AND OPSS 310
- 150 mm OPSS GRANULAR 'A' BASE COMPACTED TO 100% SPMD PER OPSS 1010
- 450 mm OPSS GRANULAR 'B' BASE COMPACTED TO 100% SPMD PER OPSS 1010
- 5. FROST SLABS ARE REQUIRED AT ALL DOOR LOCATIONS WHERE PROPOSED OUTSIDE GRADE IS FLUSH WITH FINISHED FLOOR ELEVATION.
- 6. REFER TO SITE PLAN FOR DIMENSIONS AND SITE DETAILS.
- 7. EMBANKMENTS TO BE SLOPED AT MAX. 3:1, UNLESS OTHERWISE SPECIFIED.
- 8. ALL PAVEMENT MARKING, LINE PAINTING, DIRECTIONAL LINES/ARROWS ETC. SHALL BE PLACED IN ACCORDANCE WITH THE ARCHITECTURAL SITE PLAN OR THE OWNER'S TRAFFIC ENGINEERING CONSULTANT'S DRAWINGS.
- 9. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER 1 (ONE) SET OF AS CONSTRUCTED SITE SERVING AND GRADING DRAWINGS.



LEGEND

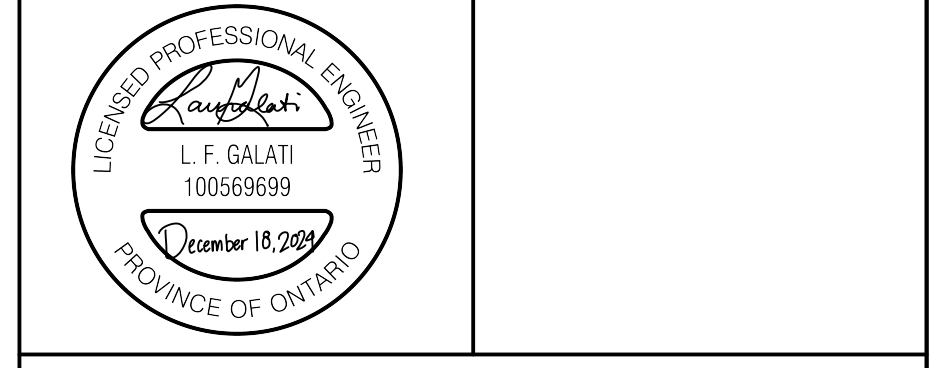
	PROPERTY BOUNDARY
	ADJACENT PROPERTY BOUNDARY
	EXISTING EASEMENT
	EXISTING CONTOUR
	EXISTING SETBACK LIMIT
	EXISTING 14m MTO SETBACK
	PROPOSED LANE MARKINGS
	PROPOSED RETAINING WALL
	PROPOSED HEAVY DUTY ASPHALTIC CONCRETE
	PROPOSED LIGHT DUTY ASPHALTIC CONCRETE
	PROPOSED RIPRAP
	EXISTING BOREHOLE
	PROPOSED GRADE
	PROPOSED STORM MANHOLE
	PROPOSED STORM DOUBLE CATCHBASIN MANHOLE
	PROPOSED CATCHBASIN MANHOLE
	PROPOSED DITCH INLET CATCHBASIN
	PROPOSED SWALE
	PROPOSED GRADING (3:1 MAX.)
	PROPOSED OVERLAND FLOW ARROW

BENCHMARK
ELEVATIONS ARE REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD-1928; PRE 1978) AND ARE DERIVED FROM CITY OF MISSISSAUGA BENCHMARK MONUMENT No. 1065, HAVING A PUBLISHED ELEVATION OF 178.912 METRES.

- Notes**
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 2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.
 3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.

NOT FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
1	ISSUED FOR SITE PLAN APPROVAL	21/04/20	DN
2	RE-ISSUED FOR SITE PLAN APPROVAL	22/01/11	DN
3	RE-ISSUED FOR SITE PLAN APPROVAL	23/05/10	TR
4	RE-ISSUED FOR ZONING	24/03/28	TR
5	RE-ISSUED FOR ZONING	24/12/18	LG



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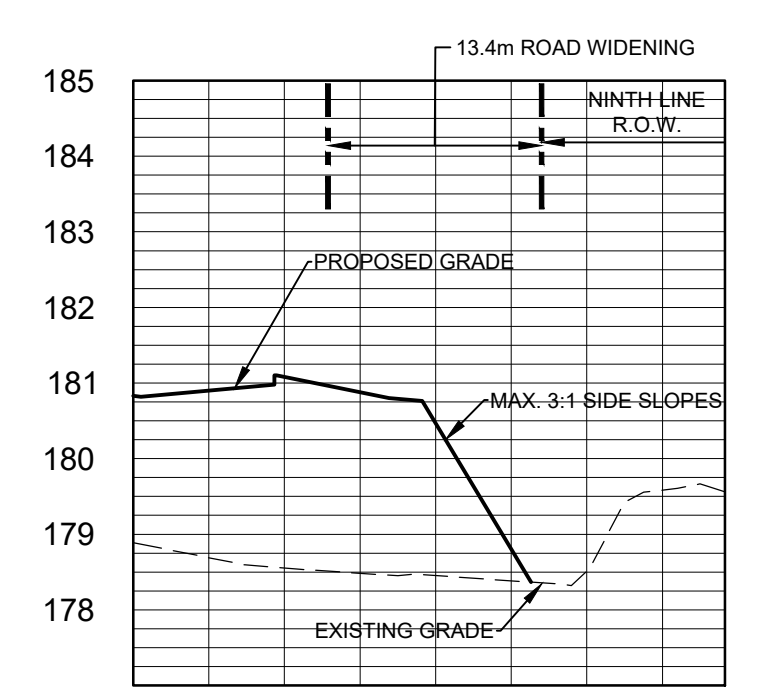
Client:
St. Mark and St. Demiana Coptic Orthodox Church
462 FALGARWOOD DRIVE
OAKVILLE, ON
L6H 1N3

Drawing Title:
3475 NINTH LINE, MISSISSAUGA

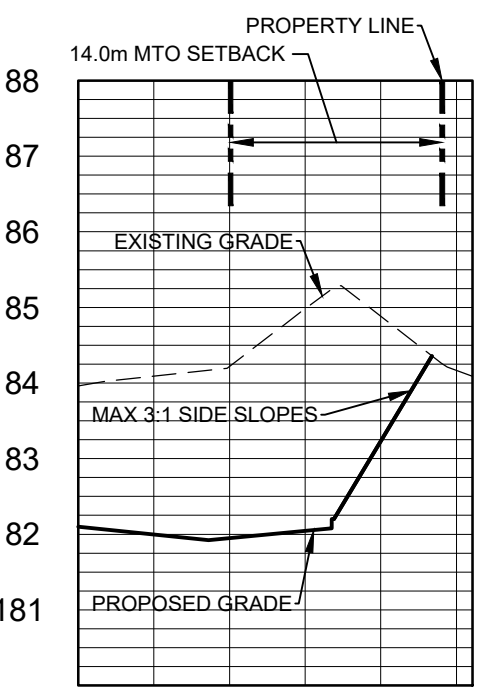
GRADING PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
LG	JM	LG	JM	23/05/10	
Project No.	Contract No.	Revision No.	Revision No.	0	
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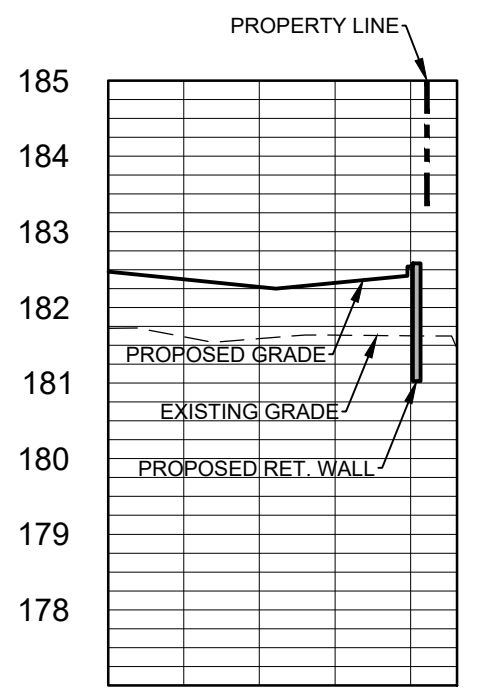
G1



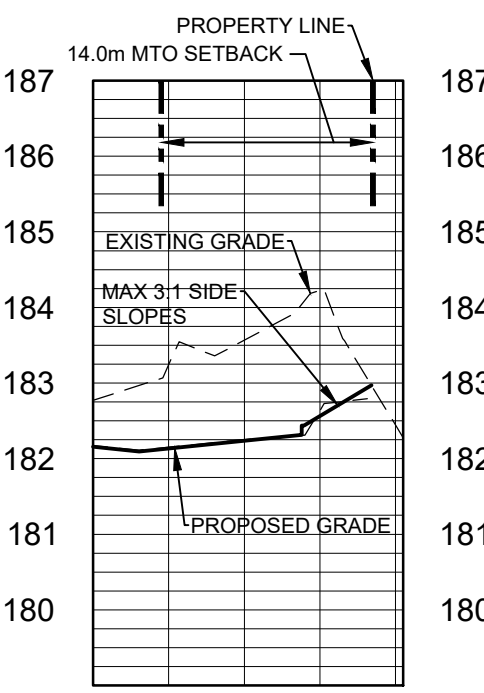
SECTION B-B
SCALE H1:500 V1:100



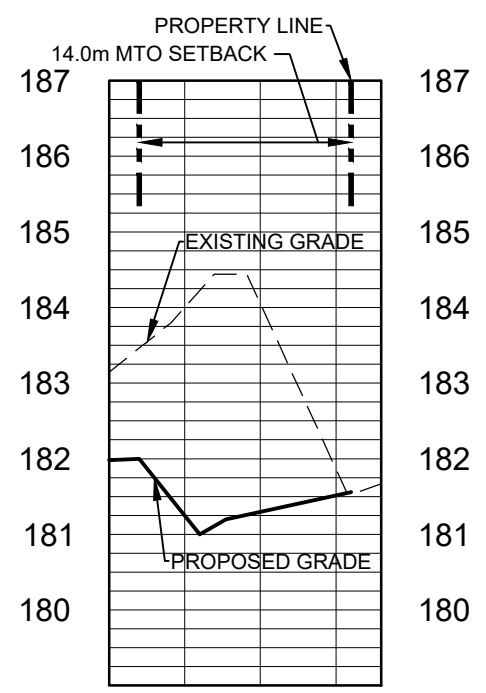
SECTION C-C
SCALE H1:500 V1:100



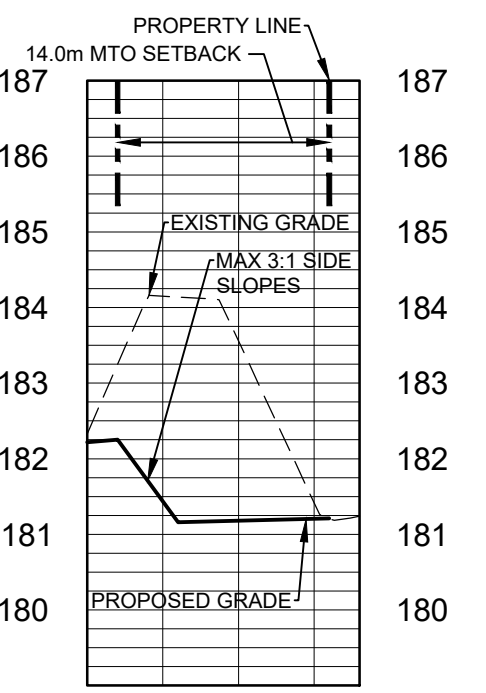
SECTION D-D
SCALE H1:500 V1:100



SECTION E-E
SCALE H1:500 V1:100



SECTION F-F
SCALE H1:500 V1:100



SECTION G-G
SCALE H1:500 V1:100

WATERMANS:

1. WATERMAIN SHALL BE POLY(VINYL CHLORIDE) (PVC) CLASS 235 DR-18 PIPE MANUFACTURED TO AWWA C900-89 AND CSA CANS 1317-3M1896 WITH GASKETED BELL END C/W #14 AWG SOLID COPPER TRACER WIRE.
2. WATERMANS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 300mm OVER AND 500mm UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING. ALL WATERMANS AND SERVICES SHALL HAVE 1.80m MINIMUM COVER.
3. BEDDING FOR WATERMANS SHALL BE AS PER OPSD 802.030.
4. ALL WATERMAIN HORIZONTAL AND VERTICAL BENDS, JOINTS AND PLUGS TO BE MECHANICALLY RESTRAINED. THRUST BLOCKS/MECHANICAL RESTRAINTS MUST BE INSTALLED ON ALL WATERMAIN BENDS, TEES, AND PLUGS AS PER LOCAL MUNICIPAL STANDARDS.
5. ALL WATERMAIN STUBS SHALL BE TERMINATED WITH A PLUG AND 50mm BLOW OFF UNLESS OTHERWISE NOTED.
6. HYDRANT AND VALVE TO BE AS PER OPSD 1105.010.
7. ALL HYDRANT FLANGE ELEVATIONS TO BE 150mm ABOVE PROPOSED FINISHED GRADE AT HYDRANT.
8. BUILDING SERVICE VALVES TO BE 3.0m OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED AND MUST BE RESTRAINED A MINIMUM OF 12m BACK FROM STUB.
9. PROVISIONS FOR FLUSHING WATERMANS MUST BE PROVIDED WITH A MINIMUM 50mm OUTLET FOR MAINS 100mm AND LARGER. FLUSHING POINTS MATCHING THE SIZE OF THE PIPE MUST BE PROVIDED AT THE END OF EACH COPPER MAIN. FIRE MAIN FLUSHING OUTLETS TO BE 100mm DIAMETER MINIMUM OR A HYDRANT. FLUSHING POINTS MUST BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN.
10. ALL WATERMANS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH REGION OF PEEL STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE DIRECTED. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED.
11. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING MAINS IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATION AS PER REGION OF PEEL STANDARDS AND SPECIFICATIONS.
12. ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
13. WATERMAIN AND /OR WATER SERVICE MATERIALS 100mm (4") AND LARGER MUST BE PVC SDR-18 CLASS 235. SIZE 50mm (2") AND SMALLER MUST BE COPPER TYPE 'K'.
14. ALL CURB STOPS TO BE 3.0m (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
15. HYDRANT AND VALVE SET TO REGION STANDARD 1-6-1 DIMENSION A AND B, 0.7m (2') AND 0.9m (3') AND TO HAVE RUBBER NOZZLE.
16. WATERMANS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
17. ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
18. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK. WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
19. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES. FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
20. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARD 1-7-1 OR 1-7-8.

STORM AND SANITARY SEWER:

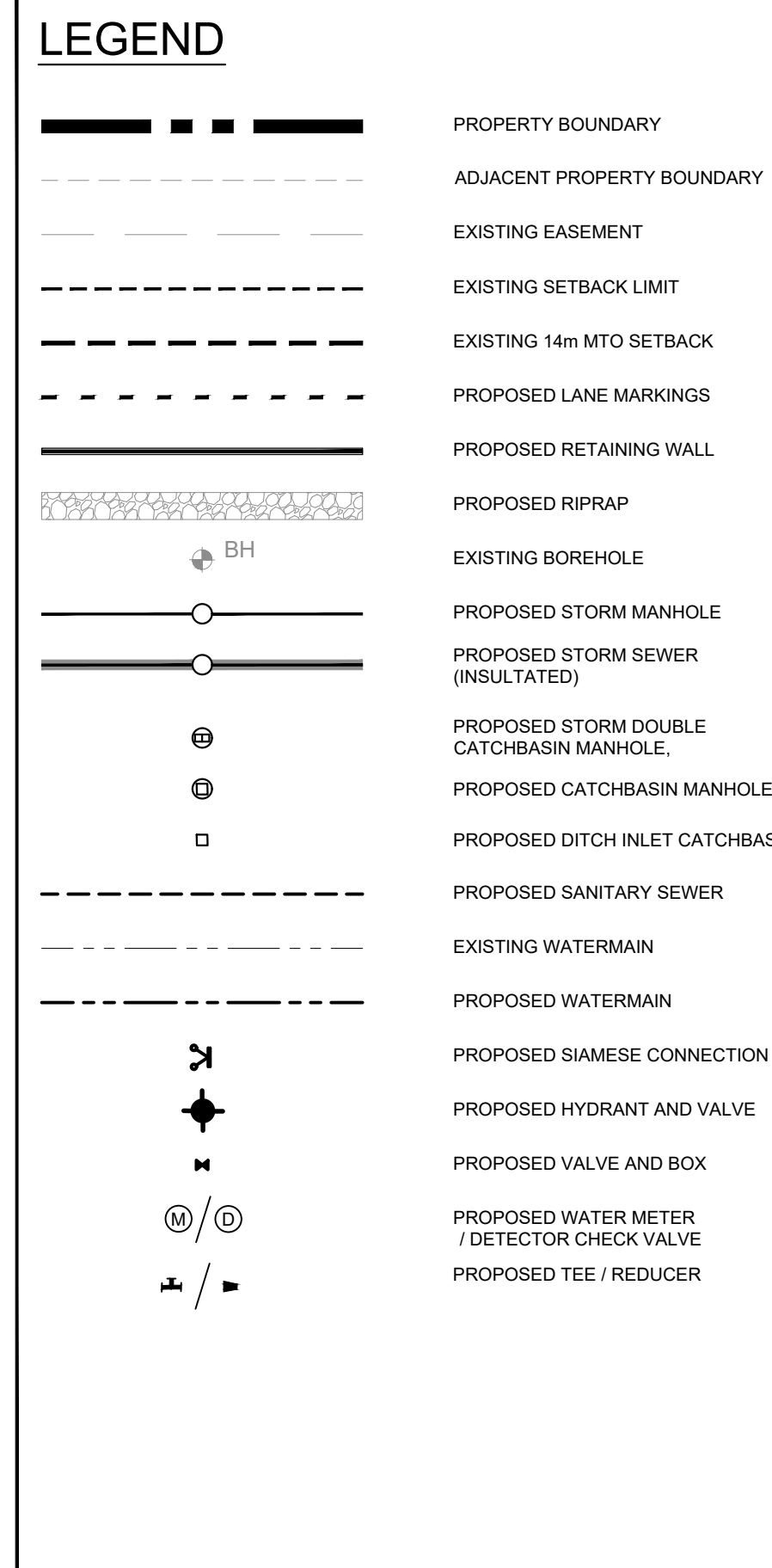
1. MANHOLES SHALL BE AS PER OPSD 701.010 AND OPSD 701.011. FRAMES AND COVERS SHALL BE AS PER OPSD 401.010. SAFETY PLATFORMS TO BE INSTALLED AS PER REGION OF PEEL STANDARDS 2-2-12 WHERE DEPTH EXCEEDS 5.0m.
2. SINGLE CATCH BASINS SHALL BE AS PER OPSD 705.010, WITH FRAMES AND COVERS AS PER OPSD 400.020. DOUBLE CATCH BASINS SHALL BE AS PER OPSD 705.020.
3. CONCRETE PIPE SEWER BEDDING SHALL BE AS PER OPSD 802.030. PVC PIPE SEWER BEDDING SHALL BE CLASS 'B' AS PER OPSD 802.030 TO TOP OF SEWER. NATIVE BACKFILL TO BE COMPACTED TO A MIN. 98% STANDARD PROCTOR DENSITY WITH A MINIMUM 300mm SAND COVER OVER PIPE.
4. ALL STORM SEWER PIPES UP TO 450mm DIA. SHALL BE PVC SDR-35 OR APPROVED EQUIVALENT. ALL STORM SEWER PIPES 500mm DIA. AND LARGER SHALL BE CONCRETE AND EQUAL TO C.S.A. SPECIFICATIONS AND 2 REINFORCED CLASSES AS SPECIFIED (65-D, 100-D, 140-D) OR LATEST AMENDMENT UNLESS OTHERWISE SPECIFIED.
5. ALL SANITARY PVC SEWER PIPES SHALL BE SDR-35 EQUAL CSA SPECIFICATIONS B182.2-1990 OR LATEST AMENDMENT UNLESS OTHERWISE NOTED.
6. ALL MANHOLE AND CATCH BASIN EXCAVATIONS TO BE BACKFILLED WITH GRANULAR MATERIAL COMPACTED TO 98% STANDARD PROCTOR DENSITY.
7. ALL BLIND CONNECTIONS TO MATCH THE INVERT OF THE CATCH BASIN LEAD TO THE SPRINGLINE OF THE STORM PIPE. OTHERWISE INSTALL THE CATCH BASIN LEAD AT A MAXIMUM 0.20% AND DRIP INTO PIPE.
8. UNLESS NOTED OTHERWISE, CATCH BASIN LEADS SHALL BE 250mm@ AT MINIMUM 1.00% SLOPE.
9. THE CONTRACTOR IS TO PROVIDE CCTV CAMERA INSPECTIONS OF ALL SANITARY AND STORM SEWERS, INCLUDING PICTORIAL REPORT AND TWO (2) CD COPIES IN A FORMAT SATISFACTORY TO THE ENGINEER. ALL SEWERS ARE TO BE FLUSHED PRIOR TO CAMERA INSPECTION.

GENERAL NOTES:

1. ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
2. ALL THE CONSTRUCTION WORK FOR THIS PROJECT SHALL COMPLY WITH THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF MISSISSAUGA, REGION OF PEEL, AND THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
3. THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
4. THE INFORMATION SHOWN FOR EXISTING UTILITIES WAS PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED AND VERIFIED BY EACH UTILITY PRIOR TO COMMENCEMENT OF WORK. ANY VARIANCE IS TO BE IMMEDIATELY REPORTED TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTORS EXPENSE.
5. ROAD OCCUPANCY/ACCESS PERMIT MUST BE OBTAINED 48 HOURS PRIOR TO COMMENCING ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE.
6. WORKS MUNICIPAL RIGHT-OF-WAY BEING PERFORMED BY THE CITY'S CONTRACTOR WILL REQUIRE 4 TO 6 WEEKS NOTICE PRIOR TO COMMENCEMENT OF CONSTRUCTION AFTER ALL DRAWINGS HAVE BEEN APPROVED AND SECURITIES HAVE BEEN RECEIVED.
7. SHOULD ANY WORKS BE REQUIRED WITHIN THE MUNICIPAL RIGHT OF WAY, A ROAD OCCUPANCY PERMIT WILL BE REQUIRED. P.U.C. APPROVAL WILL BE REQUIRED. FOR FURTHER INFORMATION, PLEASE CONTACT THE P.U.C. PERMIT TECHNOLOGIST, LOCATED AT 3185 MAVIS ROAD.

GENERAL CONFORMANCE NOTES:

1. COMPLETED AND PASSING WATERMAIN PRESSURE AND CHLORINATION TEST RESULTS IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
2. CCTV VIDEOS OF ALL STORM AND SANITARY PIPES INCLUDING CATCHBASIN LEADS IN GOOD WORKING ORDER.
3. AN ACCEPTANCE/CONFORMANCE/APPROVAL SUMMARY LETTER FROM THE GEOTECHNICAL ENGINEER OF RECORD STATING THAT THEY HAVE REVIEWED THE SITE DURING THE WORKS AND FIND THE FOLLOWING ITEMS TO MEET PROJECT GEOTECHNICAL REQUIREMENTS: PIPE BEDDING, COVER AND BACKFILL, GRANULAR, ASPHALT AND CONCRETE MATERIALS, ETC.
4. STRUCTURAL AND GEOTECHNICAL ACCEPTANCE/CONFORMANCE/APPROVAL SUMMARY LETTER FOR ALL RETAINING WALLS AND STRUCTURAL COMPONENTS OF THE PROJECT (IF APPLICABLE).
5. A DETAILED AS BUILT SURVEY INCLUDING BUT IS NOT LIMITED TO: STORM & SANITARY STRUCTURE LOCATIONS/ELEVATIONS, PIPE INVERTS/LOCATION AND RIM ELEVATIONS, HYDRANT FLANGE ELEVATIONS, WATERMAIN VALVE LOCATIONS, WATERMAIN PIPE LOCATION/ELEVATIONS, HYDRO AND GAS LOCATION/ELEVATIONS, SURFACE ELEVATIONS THROUGHOUT THE SITE INCLUDING ALL HIGH AND LOW POINTS INDICATED ON THE GRADING PLAN, PARKING AREA AND DRIVE ABLE ELEVATIONS AT 15 METER INTERVALS, ACCESSIBLE RAMP LOCATIONS, TOP AND BOTTOM OF RETAINING WALL ELEVATIONS, CURB CUT LOCATIONS AND SWALE/EDCH LOCATION/ELEVATIONS, ETC.



BENCHMARK
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NOT FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
1	ISSUED FOR SITE PLAN APPROVAL	20/03/20	DN
2	RE-ISSUED FOR SITE PLAN APPROVAL	22/01/11	DN
3	RE-ISSUED FOR SITE PLAN APPROVAL	23/05/10	TR
4	RE-ISSUED FOR ZONING	24/04/03	TR
5	RE-ISSUED FOR ZONING	24/12/18	LG



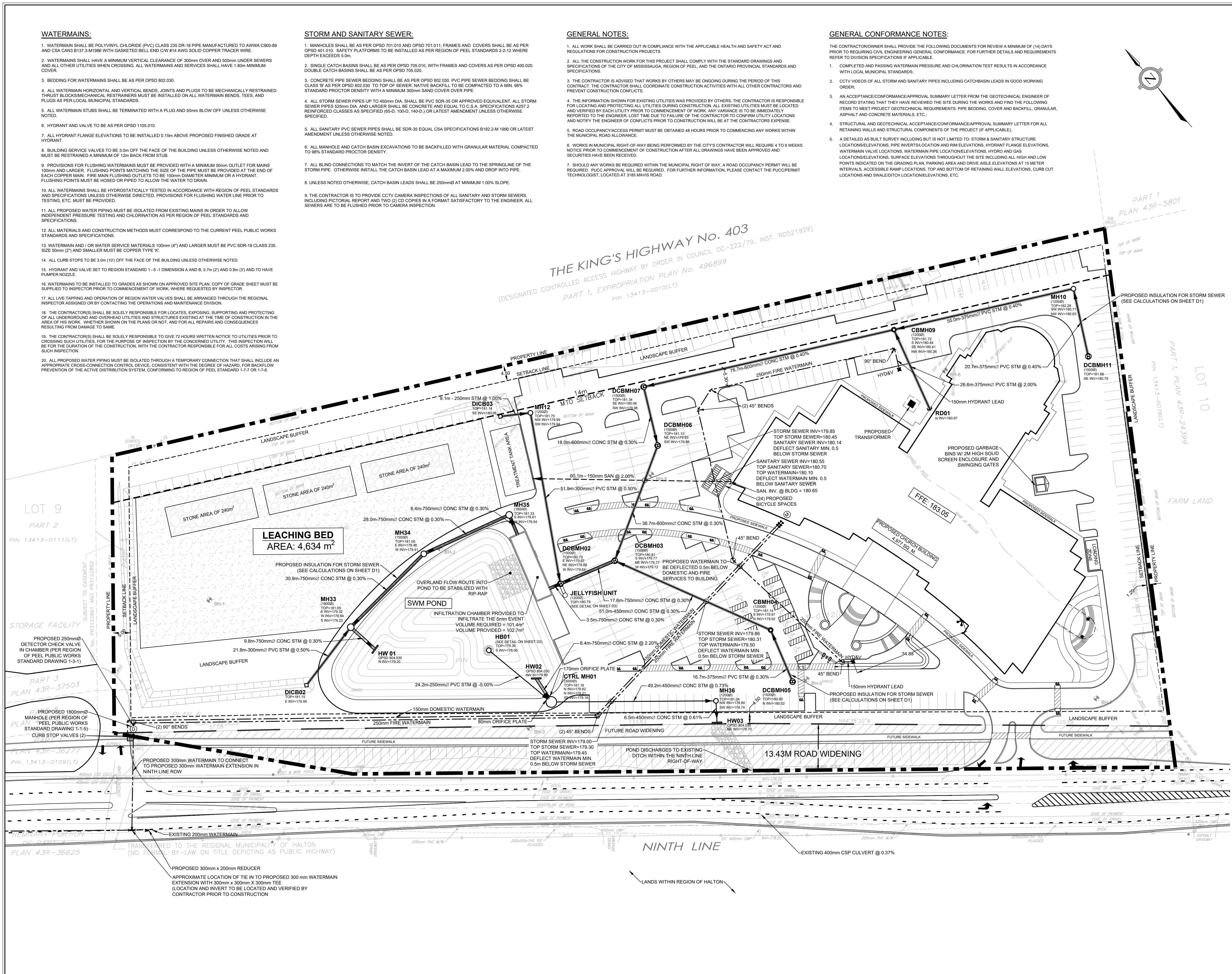
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Telephone (905) 821-1800
Fax (905) 821-1809
www.rjburnside.com

Client
St. MARK AND St. DEMIANA COPTIC ORTHODOX CHURCH
462 FALGARWOOD DRIVE
OAKVILLE, ON
L6H 1N3

Drawing Title
3475 NINTH LINE, MISSISSAUGA

SERVICING PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
LG	JM	LG	JM	23/07/17	
Project No.	Contract No.	Revision No.	Revision No.	0	S1
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WATERMANS:

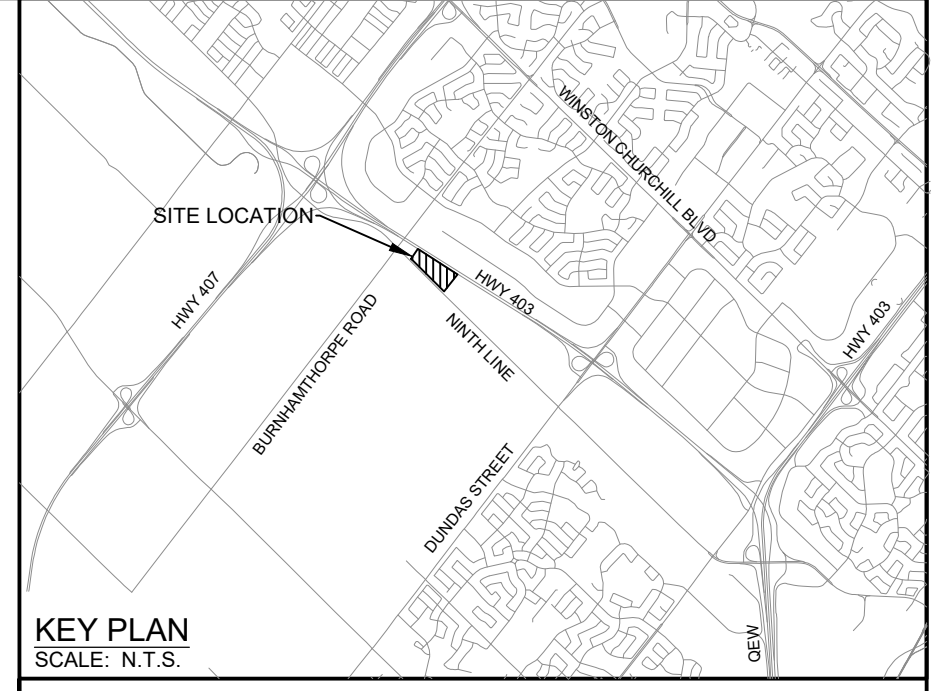
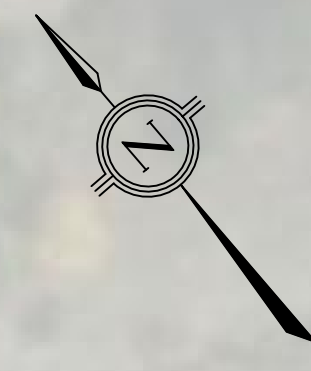
1. WATERMAIN SHALL BE POLY(VINYL CHLORIDE) (PVC) CLASS 235 DR-18 PIPE MANUFACTURED TO AWWA C900-89 AND CSA CANS B137.3-1986 WITH GASKETED BELL END CIV #14 AWG SOLID COPPER TRACER WIRE.
2. WATERMANS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 300mm OVER AND 500mm UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING. ALL WATERMANS AND SERVICES SHALL HAVE 1.80m MINIMUM COVER.
3. BEDDING FOR WATERMANS SHALL BE AS PER OPSD 802.030.
4. ALL WATERMAIN HORIZONTAL AND VERTICAL BENDS, JOINTS AND PLOGS TO BE MECHANICALLY RESTRAINED. THRUST BLOCKS/MECHANICAL RESTRAINTS MUST BE INSTALLED ON ALL WATERMAIN BENDS, TEES, AND PLOGS AS PER LOCAL MUNICIPAL STANDARDS.
5. ALL WATERMAIN STUBS SHALL BE TERMINATED WITH A PLOG AND 50mm BLOW OFF UNLESS OTHERWISE NOTED.
6. HYDRANT AND VALVE TO BE AS PER OPSD 1105.010.
7. ALL HYDRANT FLANGE ELEVATIONS TO BE INSTALLED 0.15m ABOVE PROPOSED FINISHED GRADE AT HYDRANT.
8. BUILDING SERVICE VALVES TO BE 3.0m OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED AND MUST BE RESTRAINED A MINIMUM OF 12m BACK FROM STUB.
9. PROVISIONS FOR FLUSHING WATERMANS MUST BE PROVIDED WITH A MINIMUM 50mm OUTLET FOR MAINS 100mm AND LARGER. FLUSHING POINTS MATCHING THE SIZE OF THE PIPE MUST BE PROVIDED AT THE END OF EACH COPPER MAIN. FIRE MAIN FLUSHING OUTLETS TO BE 100mm DIAMETER MINIMUM OR A HYDRANT. FLUSHING POINTS MUST BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN.
10. ALL WATERMANS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH REGION OF PEEL STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE DIRECTED. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED.
11. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING MAINS IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATION AS PER REGION OF PEEL STANDARDS AND SPECIFICATIONS.
12. ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
13. WATERMAIN AND / OR WATER SERVICE MATERIALS 100mm (4") AND LARGER MUST BE PVC SDR-18 CLASS 235. SIZE 50mm (2") AND SMALLER MUST BE COPPER TYPE 'K'.
14. ALL CURB STOPS TO BE 3.0m (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
15. HYDRANT AND VALVE SET TO REGION STANDARD 1 - 6 - 1 DIMENSION A AND B, 0.7m (2') AND 0.9m (3') AND TO HAVE RUBBER NOZZLE.
16. WATERMANS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
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18. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK. WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
19. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES. FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
20. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARD 1-7-7 OR 1-7-8.

GENERAL NOTES:

1. ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
2. ALL THE CONSTRUCTION WORK FOR THIS PROJECT SHALL COMPLY WITH THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF MISSISSAUGA, REGION OF PEEL, AND THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
3. THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
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5. ROAD OCCUPANCY/ACCESS PERMIT MUST BE OBTAINED 48 HOURS PRIOR TO COMMENCING ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE.
6. WORKS IN MUNICIPAL RIGHT-OF-WAY BEING PERFORMED BY THE CITY'S CONTRACTOR WILL REQUIRE 4 TO 6 WEEKS NOTICE PRIOR TO COMMENCEMENT OF CONSTRUCTION AFTER ALL DRAWINGS HAVE BEEN APPROVED AND SECURITIES HAVE BEEN RECEIVED.
7. SHOULD ANY WORKS BE REQUIRED WITHIN THE MUNICIPAL RIGHT OF WAY, A ROAD OCCUPANCY PERMIT WILL BE REQUIRED. P.U.C.C. APPROVAL WILL BE REQUIRED. FOR FURTHER INFORMATION PLEASE CONTACT THE P.U.C.C. PERMIT TECHNOLOGIST, LOCATED AT 3185 MAVIS ROAD.

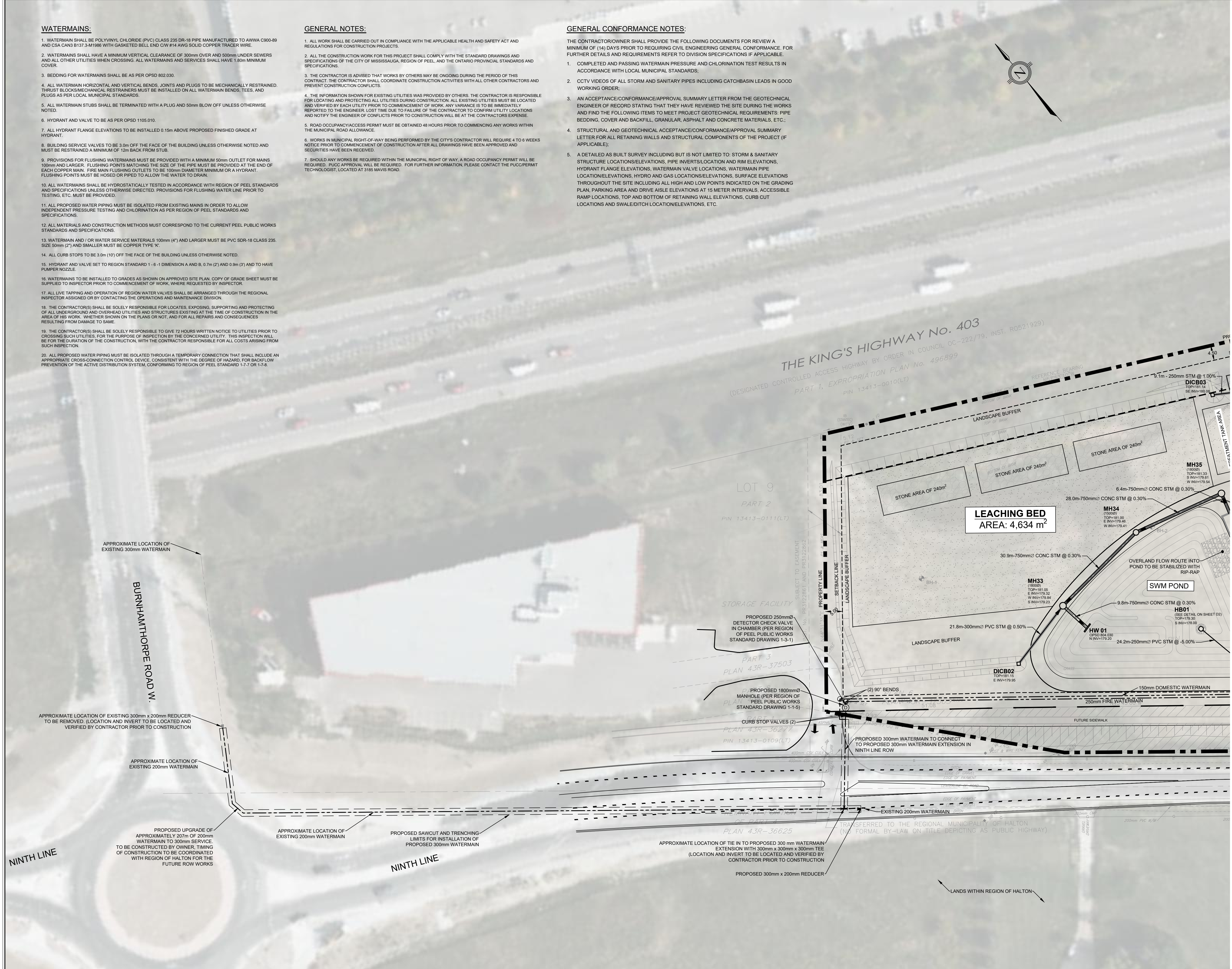
GENERAL CONFORMANCE NOTES:

- THE CONTRACTOR/OWNER SHALL PROVIDE THE FOLLOWING DOCUMENTS FOR REVIEW A MINIMUM OF (14) DAYS PRIOR TO REQUIRING CIVIL ENGINEERING GENERAL CONFORMANCE. FOR FURTHER DETAILS AND REQUIREMENTS REFER TO DIVISION SPECIFICATIONS IF APPLICABLE.
1. COMPLETED AND PASSING WATERMAIN PRESSURE AND CHLORINATION TEST RESULTS IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
 2. CCTV VIDEOS OF ALL STORM AND SANITARY PIPES INCLUDING CATCHBASIN LEADS IN GOOD WORKING ORDER;
 3. AN ACCEPTANCE/CONFORMANCE/APPROVAL SUMMARY LETTER FROM THE GEOTECHNICAL ENGINEER OF RECORD STATING THAT THEY HAVE REVIEWED THE SITE DURING THE WORKS AND FIND THE FOLLOWING ITEMS TO MEET PROJECT GEOTECHNICAL REQUIREMENTS: PIPE BEDDING, COVER AND BACKFILL, GRANULAR, ASPHALT AND CONCRETE MATERIALS, ETC.;
 4. STRUCTURAL AND GEOTECHNICAL ACCEPTANCE/CONFORMANCE/APPROVAL SUMMARY LETTER FOR ALL RETAINING WALLS AND STRUCTURAL COMPONENTS OF THE PROJECT (IF APPLICABLE);
 5. A DETAILED AS BUILT SURVEY INCLUDING BUT IS NOT LIMITED TO: STORM & SANITARY STRUCTURE LOCATIONS/ELEVATIONS, PIPE INVERTS/LOCATION AND RIM ELEVATIONS, HYDRANT FLANGE ELEVATIONS, WATERMAIN VALVE LOCATIONS, WATERMAIN PIPE LOCATION/ELEVATIONS, HYDRO AND GAS LOCATIONS/ELEVATIONS, SURFACE ELEVATIONS THROUGHOUT THE SITE INCLUDING ALL HIGH AND LOW POINTS INDICATED ON THE GRADING PLAN, PARKING AREA AND DRIVE AISLE ELEVATIONS AT 15 METER INTERVALS, ACCESSIBLE RAMP LOCATIONS, TOP AND BOTTOM OF RETAINING WALL ELEVATIONS, CURB CUT LOCATIONS AND SWALE/DITCH LOCATION/ELEVATIONS, ETC.



LEGEND

	PROPERTY BOUNDARY
	ADJACENT PROPERTY BOUNDARY
	EXISTING EASEMENT
	EXISTING SETBACK LIMIT
	EXISTING 14m MTO SETBACK
	PROPOSED LANE MARKINGS
	PROPOSED RIPRAP
	EXISTING BOREHOLE
	PROPOSED STORM MANHOLE
	PROPOSED STORM SEWER (INSULATED)
	PROPOSED STORM DOUBLE CATCHBASIN MANHOLE
	PROPOSED CATCHBASIN MANHOLE
	PROPOSED DITCH INLET CATCHBASIN
	PROPOSED SANITARY SEWER
	EXISTING WATERMAIN
	PROPOSED WATERMAIN
	PROPOSED SAWCUT
	PROPOSED VALVE AND BOX
	PROPOSED WATER METER / DETECTOR CHECK VALVE
	PROPOSED TEE / REDUCER



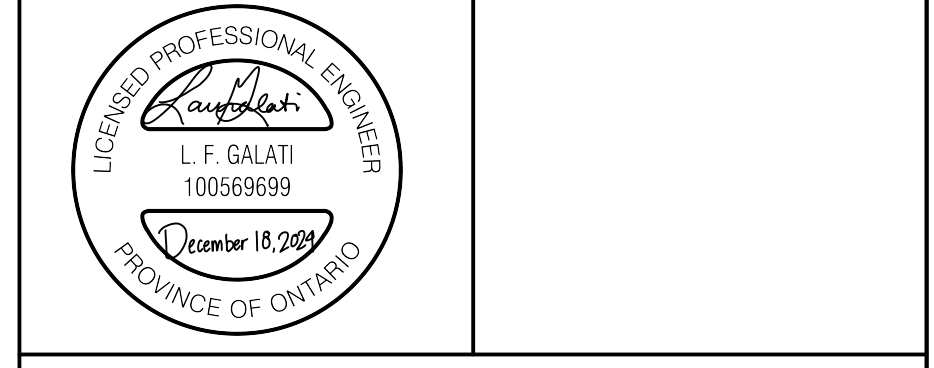
BENCHMARK
ELEVATIONS ARE REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD-1928: PRE 1978) AND ARE DERIVED FROM CITY OF MISSISSAUGA BENCHMARK MONUMENT No. 1065, HAVING A PUBLISHED ELEVATION OF 178.912 METRES.

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NOT FOR CONSTRUCTION

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1	ISSUED FOR SITE PLAN APPROVAL	20/03/20	DN
2	RE-ISSUED FOR SITE PLAN APPROVAL	22/01/11	DN
3	RE-ISSUED FOR SITE PLAN APPROVAL	23/05/10	TR
4	RE-ISSUED FOR ZONING	24/04/03	TR
5	RE-ISSUED FOR ZONING	24/12/18	LG



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www.rjburnside.com

Client:
St. Mark and St. Demiana Coptic Orthodox Church
462 Falgarwood Drive
Oakville, ON
L6H 1N3

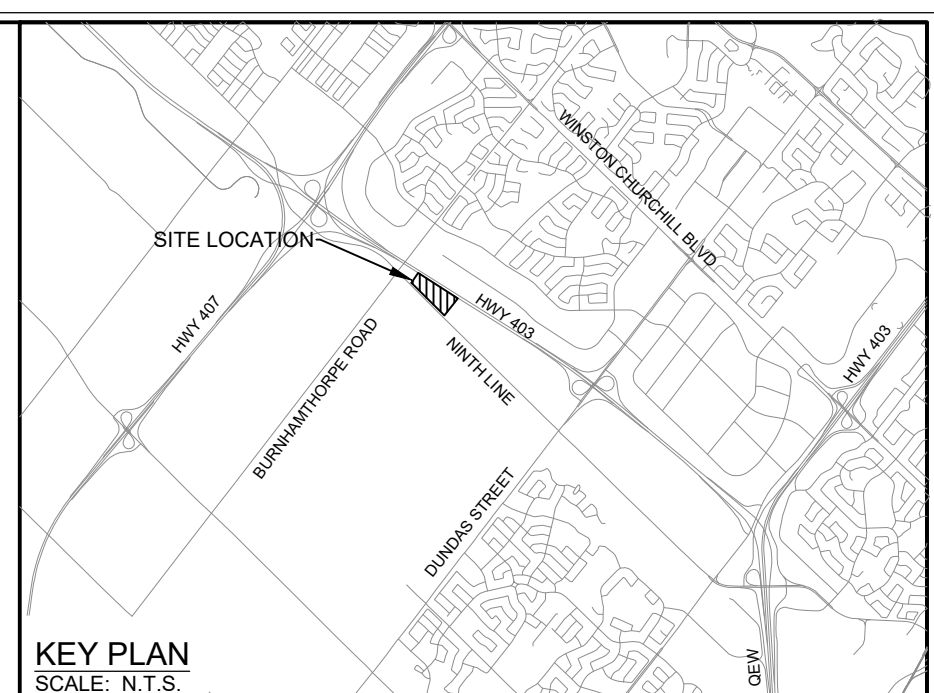
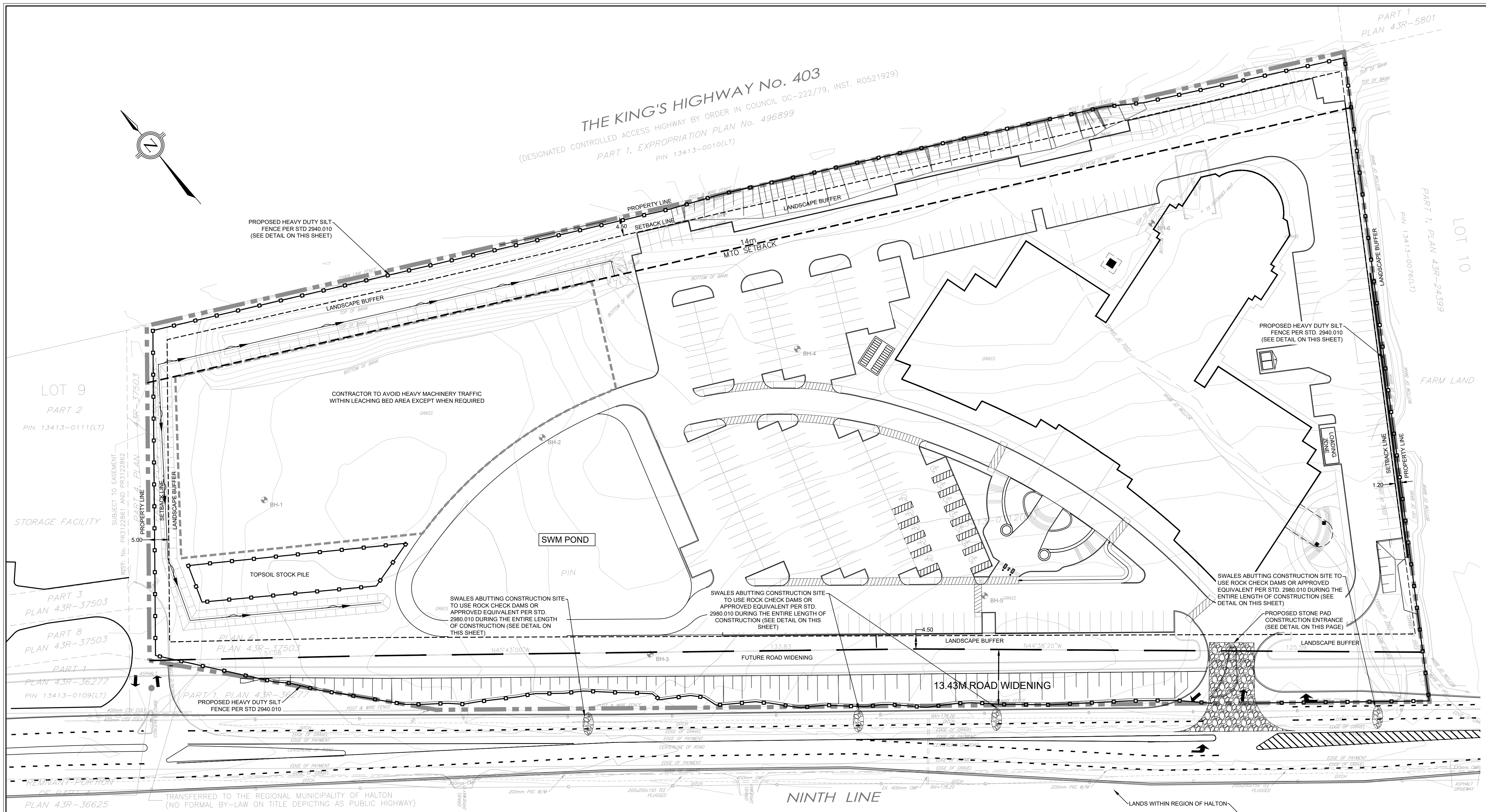
Drawing Title:
3475 NINTH LINE, MISSISSAUGA

WATERMAIN SERVICING PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
LG	JM	JM	JM	23/07/17	
Project No.	Contract No.	Revision No.			
30004049		0			
Scale	CONTRACT NO.				
1:500					

S2

THE KING'S HIGHWAY No. 403
 (DESIGNATED CONTROLLED ACCESS HIGHWAY BY ORDER IN COUNCIL OC-222/79, INST. R0521929)
 PART 1, EXPROPRIATION PLAN No. 496899
 PIN 13413-0010(LT)



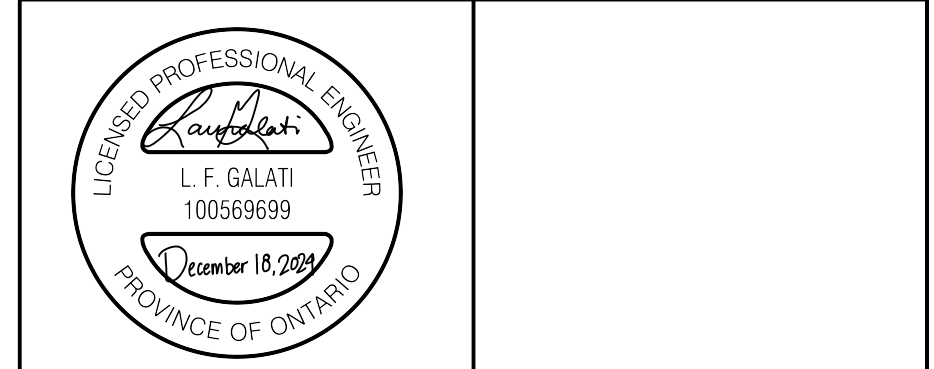
LEGEND

	PROPERTY BOUNDARY
	ADJACENT PROPERTY BOUNDARY
	EXISTING EASEMENT
	EXISTING CONTOUR
	EXISTING SETBACK LIMIT
	EXISTING 14m MTO SETBACK
	PROPOSED LANE MARKINGS
	PROPOSED SILT FENCE
	PROPOSED ROCK CHECK DAM
	EXISTING BOREHOLE

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No.	Issue / Revision	Date	Auth.
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2	RE-ISSUED FOR SITE PLAN APPROVAL	22/01/11	DN
3	RE-ISSUED FOR SITE PLAN APPROVAL	23/05/10	TR
4	RE-ISSUED FOR ZONING	24/04/03	TR
5	RE-ISSUED FOR ZONING	24/12/18	LG



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St. Mark and St. Demiana Coptic Orthodox Church
 462 Falgout Drive
 Oakville, ON
 L6H 1N3

Drawing Title:
3475 NINTH LINE, MISSISSAUGA

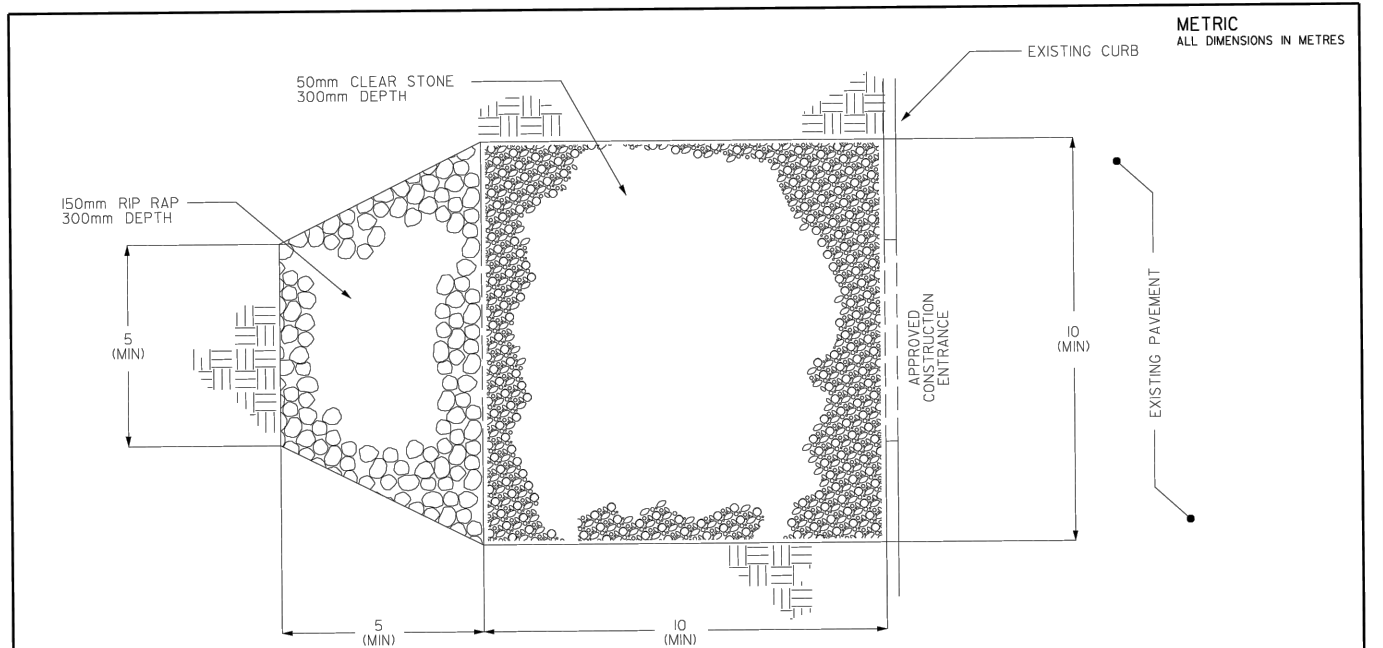
EROSION AND SEDIMENT CONTROL PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
LG	JM	LG	JM	23/07/17	
Project No.	Contract No.	Revision No.			
300044049		0			
Scale	Scale				
1:500	0	5.0	10.0	20.0	30.0m

ESC1

EROSION AND SEDIMENT CONTROL:

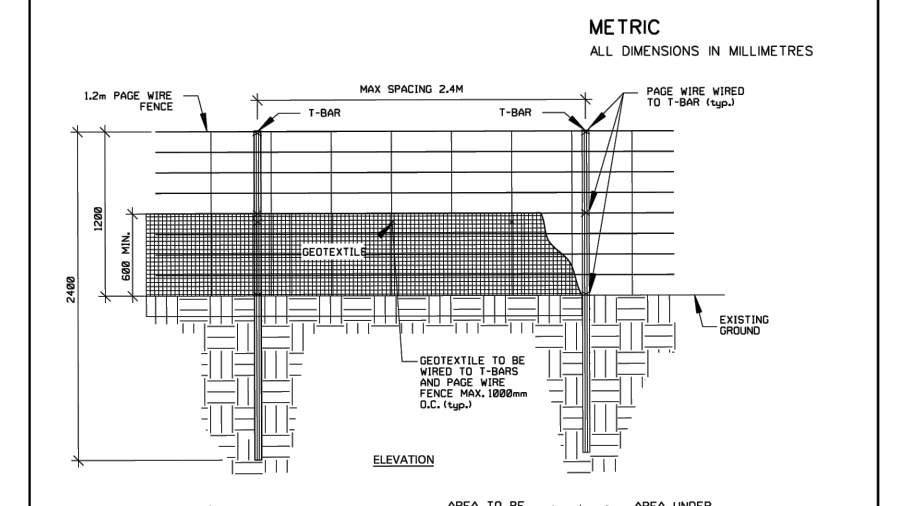
1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. PRIOR TO CONSTRUCTION TAKING PLACE, ALL REQUIRED HOARDING IN ACCORDANCE WITH THE ONTARIO OCCUPATIONAL HEALTH & SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS MUST BE ERRECTED AND THEN MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.
3. THE APPLICANT WILL BE REQUIRED TO CONTACT ALL UTILITY COMPANIES TO OBTAIN ALL REQUIRED LOCATES PRIOR TO THE INSTALLATION OF HOARDING WITHIN THE MUNICIPAL RIGHT OF WAY.
4. ADDITIONAL SILT FENCING SHOULD BE AVAILABLE IN CASE IMMEDIATE REPAIR IS REQUIRED.
5. IF NECESSARY, TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
6. THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
7. ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ON-SITE.
8. ALL CONSTRUCTION ACTIVITY WILL COMPLY WITH CITY OF MISSISSAUGA NOISE BY LAW.
9. ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
10. ALL TOPSOIL STOCKPILES TO BE SURROUNDED WITH SEDIMENT CONTROL FENCING.
11. FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOULEVARDS ARE SODDED OR BACKYARDS GRADED AND SODDED. FILTER FABRIC FOR SILT CONTROL TO BE TERRA FIX 270R OR APPROVED EQUIVALENT.
12. IN CASE OF ANY CONFLICT WITH ANOTHER PLAN, THIS PLAN PREVAILS ONLY IN RESPECT TO CONSTRUCTION MEASURES AND ACTIVITIES SUCH AS THE CONSTRUCTION ACCESS, SILT FENCE, SECURITY FENCING, SEDIMENT CONTROL AND MUD MATS.
13. STREET SWEEPING, CATCHBASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE DEVELOPER AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTORY OF THE CITY.
14. APPROPRIATE SIGNAGE IS TO BE INSTALLED ON THE BOULEVARD TO INDICATE THAT THE SIDEWALK IS NOT ACCESSIBLE.
15. CONTRACTOR TO STABILIZE THE SITE AS SOON AS POSSIBLE BY REESTABLISHING VEGETATIVE GROUND COVER AND AVOIDING BARE SOIL AREAS. ALL AREAS (INCLUDING STOCKPILES) WHERE SITE IMPROVEMENTS ARE NOT EXPECTED TO OCCUR IMMEDIATELY SHALL BE REVEGETATED WITH 100mm OF TOPSOIL AND HYDROSEED.
16. ALL DRAINAGE WORKS REQUIRE EROSION / SEDIMENT CONTROL SATISFACTORY TO THE APPROVAL AGENCIES DURING CONSTRUCTION PERIOD AND MUST BE MONITORED AND MAINTAINED ON A REGULAR BASIS TO ENSURE MINIMIZED SILT MIGRATION OFF-SITE.
17. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED AND MAINTAINED ON A REGULAR BASIS AND INSPECTED AFTER EVERY RAINFALL.



NOTES:

1. GRANULAR MATERIAL IS TO BE CLEAN APPROVED MATERIAL AND PLACED AT NOTED DIMENSIONS PRIOR TO LAMP PLACEMENT.
2. GEOTEXTILE IS TO BE PLACED OVER THE ENTIRE AREA PRIOR TO STONE PLACEMENT.
3. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL REDUCE TRACKING OR FLOWING OF SEDIMENT ONTO THE ROAD AND PREVENT MIXING OF SILT AND SEDIMENT OR MATERIALS ONTO THE ROADWAY.
4. FOR SITE DEVELOPMENTS GREATER THAN 1000 SQ. M, A 100mm R15 RCP IS REQUIRED FOR 50mm TOP 50mm R15 RCP.

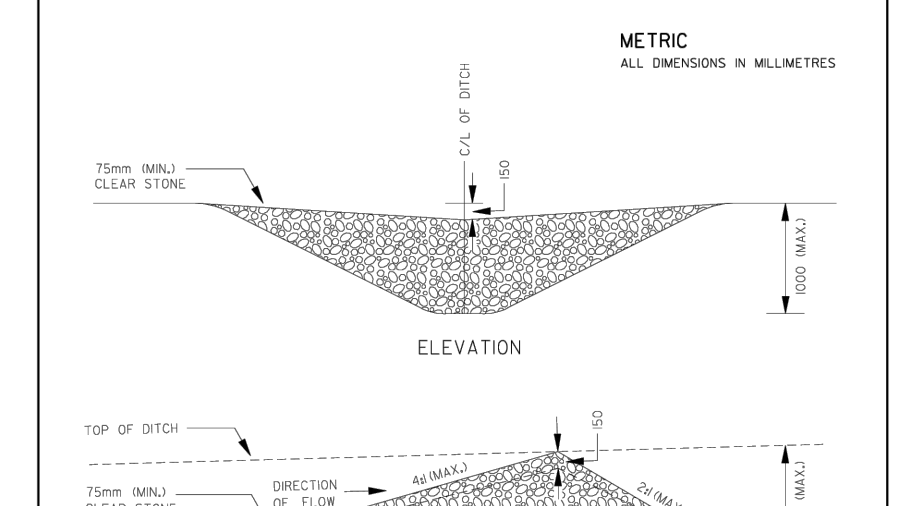
MISSISSAUGA Transportation and Works	
STANDARD	
STONE PAD CONSTRUCTION ENTRANCE	
EFF. DATE	2002-01-01
SCALE	N.T.S.
REV.	
STANDARD NO.	2910.00



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPALITY OF MISSISSAUGA AND THE PROVINCE OF ONTARIO.
3. DO NOT DAMAGE EXISTING TREE ROOTS WHEN INSTALLING.
4. GEOTEXTILE TO BE MAINTAINED IN A CONDITION WHICH WILL REDUCE TRACKING OR FLOWING OF SEDIMENT ONTO THE ROAD AND PREVENT MIXING OF SILT AND SEDIMENT OR MATERIALS ONTO THE ROADWAY.
5. GEOTEXTILE TO BE MAINTAINED IN A CONDITION WHICH WILL REDUCE TRACKING OR FLOWING OF SEDIMENT ONTO THE ROAD AND PREVENT MIXING OF SILT AND SEDIMENT OR MATERIALS ONTO THE ROADWAY.
6. GEOTEXTILE TO BE MAINTAINED IN A CONDITION WHICH WILL REDUCE TRACKING OR FLOWING OF SEDIMENT ONTO THE ROAD AND PREVENT MIXING OF SILT AND SEDIMENT OR MATERIALS ONTO THE ROADWAY.

MISSISSAUGA Transportation and Works	
STANDARD	
ROCK CHECK DAM	
EFF. DATE	2002-01-01
SCALE	N.T.S.
REV.	
STANDARD NO.	2940.00



NOTES:

1. CLEAR STONE (75mm MIN) TO BE USED TO WITHSTAND MINIMUM DESIGN VELOCITY OF A 10 YEAR STORM EVENT AS PER CITY STANDARD NO. 10.00.
2. SEDIMENT TO BE REMOVED WHEN IT ACCUMULATES TO THE HALF OF THE ORIGINAL HEIGHT OF THE DAM.
3. SITE CONDITIONS MAY REQUIRE VARIATIONS OF DESIGN TO BE APPROVED BY THE MUNICIPALITY OF MISSISSAUGA AND THE PROVINCE OF ONTARIO.

MISSISSAUGA Transportation and Works	
STANDARD	
ROCK CHECK DAM	
EFF. DATE	2002-01-01
SCALE	N.T.S.
REV.	
STANDARD NO.	2980.00

ONTARIO PROVINCIAL STANDARD DRAWING
PRECAST CONCRETE MAINTENANCE HOLE
1200mm DIAMETER
 Nov 2014 Rev 5
OPSD 701.010

ONTARIO PROVINCIAL STANDARD DRAWING
PRECAST CONCRETE MAINTENANCE HOLE
1500mm DIAMETER
 Nov 2014 Rev 5
OPSD 701.011

ONTARIO PROVINCIAL STANDARD DRAWING
PRECAST CONCRETE MAINTENANCE HOLE
1800mm DIAMETER
 Nov 2014 Rev 5
OPSD 701.012

ONTARIO PROVINCIAL STANDARD DRAWING
PRECAST CONCRETE MAINTENANCE HOLE
3000mm DIAMETER
 Nov 2014 Rev 4
OPSD 701.014

ONTARIO PROVINCIAL STANDARD DRAWING
PRECAST CONCRETE DITCH INLET MAINTENANCE HOLE - TYPE A
1200 x 1200mm
 Nov 2014 Rev 3
OPSD 702.040

Region of Peel PUBLIC WORKS STANDARD DRAWING
TYPICAL PRECAST CIRCULAR CHAMBER DETAILS FOR NEW WATERMAINS
 REV. DATE: APRIL 2014
 APPROVED BY: A.P. DRAWN BY: ANLEY GROUP
 STD. DWG. NUMBER: 1-1-5 SCALE: N.T.S.

Region of Peel PUBLIC WORKS STANDARD DRAWING
DETECTOR CHECK VALVE IN CHAMBER
 REV. DATE: APRIL 2014
 APPROVED BY: A.P. DRAWN BY: ANLEY GROUP
 STD. DWG. NUMBER: 1-3-1 SCALE: N.T.S.

Region of Peel PUBLIC WORKS STANDARD DRAWING
FROST PROTECTION INSULATION DETAIL
 SCALE N.T.S.

FROST PROTECTION INSULATION CALCULATIONS

PIPE	Diameter (mm)	A (mm)	MIN. WIDTH (mm)	MIN. THICKNESS (mm)	MIN. INSULATION THICKNESS (in)
DCBMH11-MH10	375	565	1545	78	4
MH10-CBMH09	375	785	1105	49	2
RD01-CBMH09	375	830	1015	43	2
CBMH09-DCBMH07	600	605	1690	73	3
DCBMH07-DCBMH06	600	515	1870	85	4
DCBMH06-DCBMH03	600	290	2320	115	5
DCBMH05-CBMH04	375	55	2565	146	6
CBMH04-DCBMH03	450	440	1870	95	4
DCBMH03-DCBMH02	750	250	2590	122	5
DICB03-MH12	250	660	1230	66	3
MH12-DCBMH02	300	640	1320	68	3
DCBMH02-TANK	750	265	2520	118	5
TANK-MH35	750	895	1260	34	2
MH35-MH34	750	715	1620	58	3
MH34-MH33	750	765	1520	52	3
DICB02-MH33	300	800	1000	47	2

NOT FOR CONSTRUCTION

BENCHMARK ELEVATIONS ARE REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD-1928: PRE 1978) AND ARE DERIVED FROM CITY OF MISSISSAUGA BENCHMARK MONUMENT No. 1065, HAVING A PUBLISHED ELEVATION OF 178.912 METRES.

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1	ISSUED FOR SITE PLAN APPROVAL	20/03/20	DN
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3	RE-ISSUED FOR SITE PLAN APPROVAL	23/05/10	TR
4	RE-ISSUED FOR ZONING	24/04/03	TR
5	RE-ISSUED FOR ZONING	24/12/18	LG

Region of Peel PUBLIC WORKS STANDARD DRAWING
CONCRETE HEADWALL
FOR PIPE LESS THAN 900mm DIAMETER
 Nov 2017 Rev 2
OPSD 804.030

Region of Peel PUBLIC WORKS STANDARD DRAWING
CON CAST PIPE
1500 mm Dia. PRECAST CONCRETE SINGLE AND TWIN INLET FLAT CAP
 No. 703.01

Region of Peel PUBLIC WORKS STANDARD DRAWING
CONCRETE HEADWALL
FOR PIPE LESS THAN 900mm DIAMETER
 Nov 2017 Rev 2
OPSD 804.030

Region of Peel PUBLIC WORKS STANDARD DRAWING
CONCRETE HEADWALL
FOR PIPE LESS THAN 900mm DIAMETER
 Nov 2017 Rev 2
OPSD 804.030

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CONCRETE HEADWALL
FOR PIPE LESS THAN 900mm DIAMETER
 Nov 2017 Rev 2
OPSD 804.030

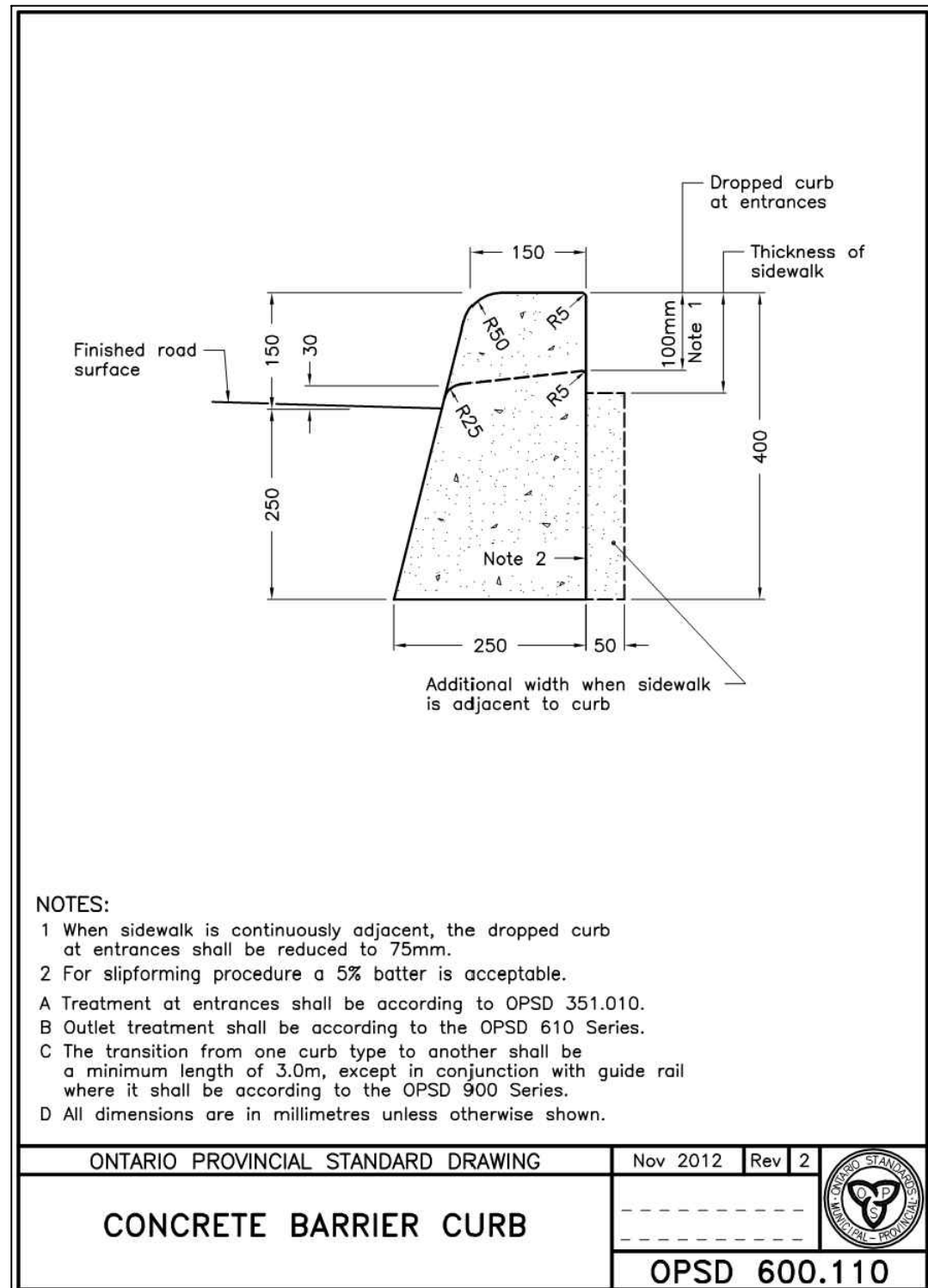
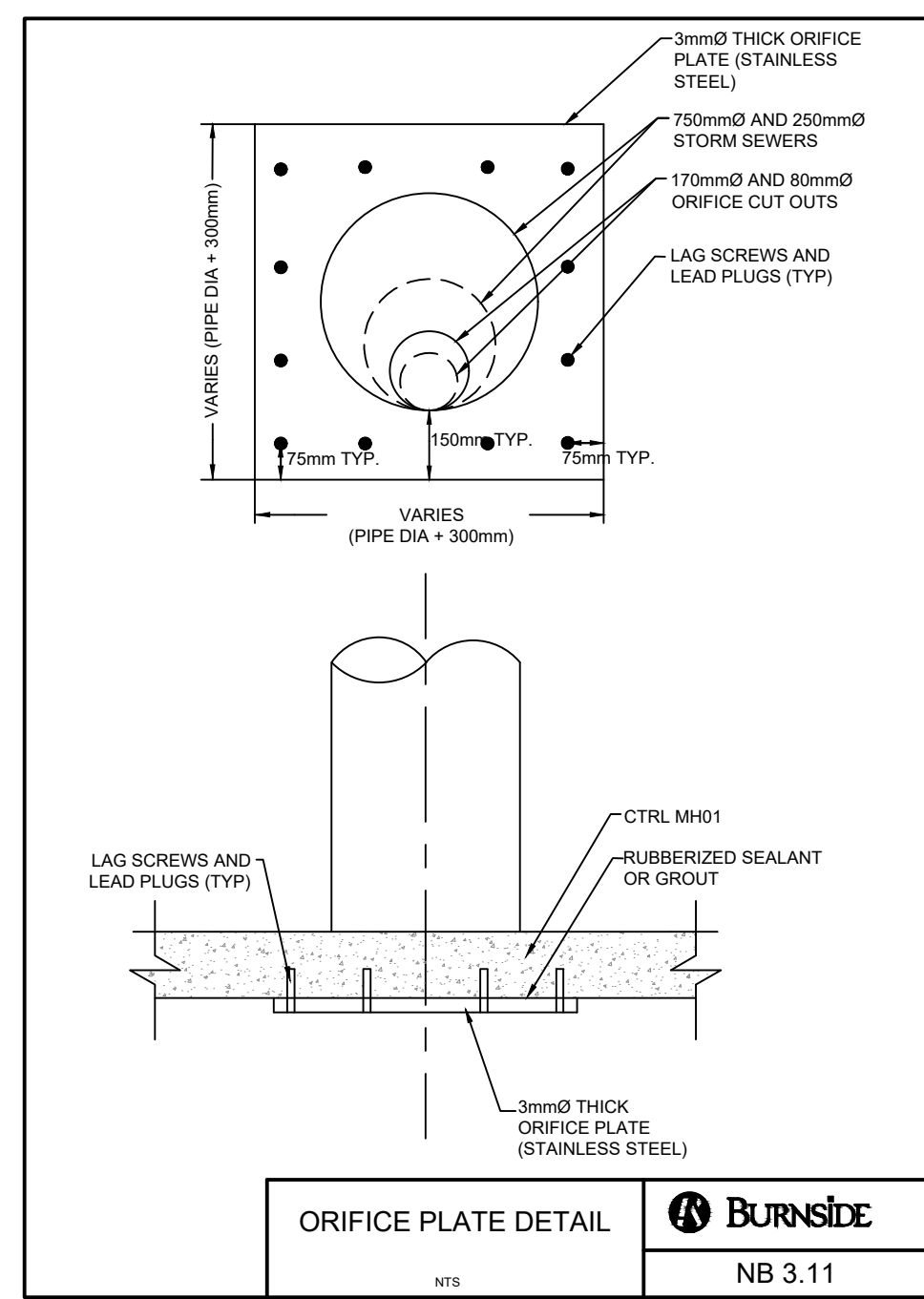
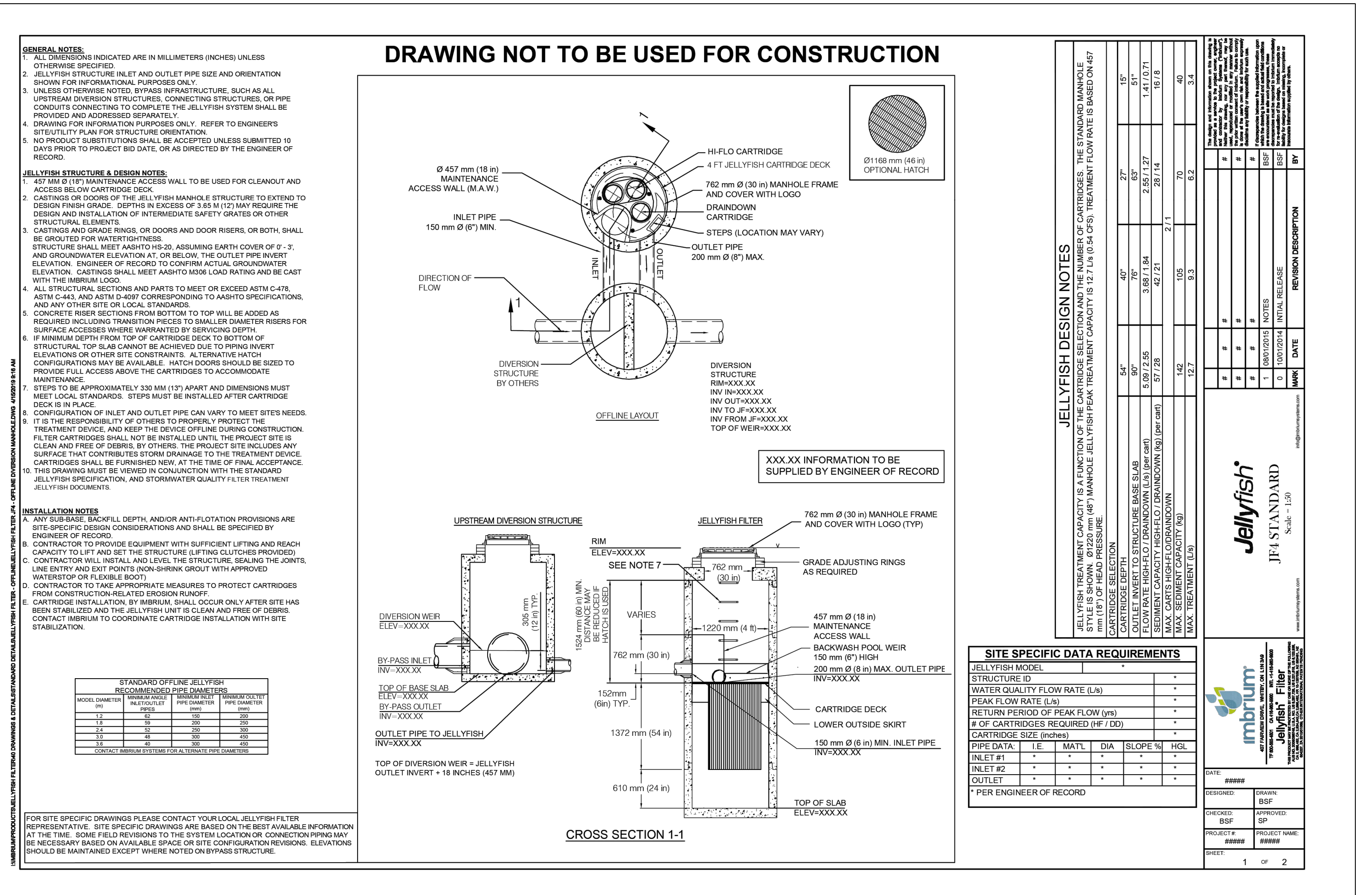
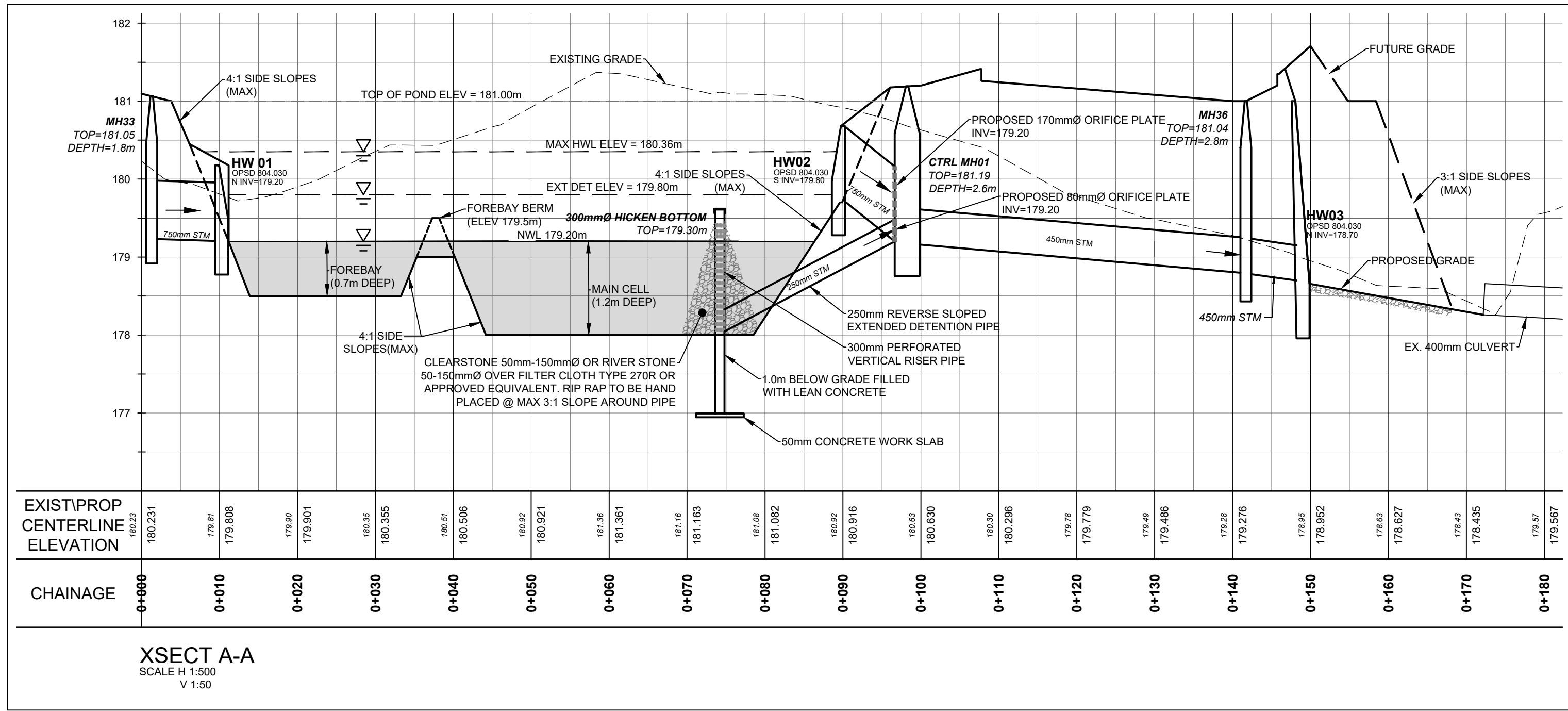
Region of Peel PUBLIC WORKS STANDARD DRAWING
CON CAST PIPE
1500 mm Dia. PRECAST CONCRETE SINGLE AND TWIN INLET FLAT CAP
 No. 703.01

Region of Peel PUBLIC WORKS STANDARD DRAWING
CONCRETE HEADWALL
FOR PIPE LESS THAN 900mm DIAMETER
 Nov 2017 Rev 2
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 Nov 2017 Rev 2
OPSD 804.030



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L.F. GALATI
100569699
December 18, 2018
PROVINCE OF ONTARIO

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web www.rjburnside.com

Client
St. MARK AND St. DEMIANA COPTIC ORTHODOX CHURCH
462 FALGARWOOD DRIVE
OAKVILLE, ON
L6H 1N3

Drawing Title
3475 NINTH LINE, MISSISSAUGA

DETAIL PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
LG	JM	LG	JM	23/07/17	

Project No. 300044049 Contract No. CONTRACT NO. Revision No. 0

Scale: NOT TO SCALE

D2