

LOCATION PLAN
NTS

LEGEND

PROPERTY LINE	---
LOT BOUNDARY	---
LIMIT OF CONSTRUCTION	---
PROPOSED GRADE	x148.22
PROPOSED LOW POINT	x148.22LP
EXISTING GRADE	x149.40EX
PROPOSED STORMWATER MANHOLE	○
EXISTING STORM MANHOLE	○
PROPOSED SANITARY MANHOLE	○
PROPOSED OGS	○
PROPOSED CATCH BASIN	○
EXISTING CATCH BASIN	○
EXISTING MANHOLE	○
EMERGENCY OVERLAND FLOW ROUTE	→
PROPOSED CATCH BASIN/MANHOLE	○
PROPOSED FIRE HYDRANT	○

LIST OF DRAWINGS

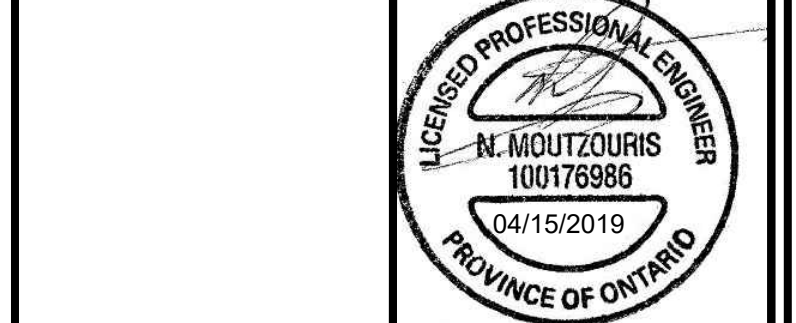
SG-01 (SITE GRADING PLAN)	
SS-01 (SITE SERVING PLAN)	
DD-01 (DETAIL DRAWINGS)	

SITE PLAN INFORMATION
KFA ARCHITECTS & PLANNERS INC.
197 SPADINA AVENUE (Suite 500)
TORONTO, ON M5T 2G3
416-642-0589
info@kfarchitect.com

SURVEY INFORMATION
TOM A. SENKUS
ONTARIO LAND SURVEYOR
40 BURROWS AVENUE
TORONTO (ISLINGTON), ON M9B 4W7
TEL: (416) 237-1893
EMAIL: tomsenkus@rogers.com
mapcad@rogers.com

BENCHMARK
ELEVATIONS ARE REFERRED TO CITY OF MISSISSAUGA
BENCHMARK No. 75 ELEVATION 98.308 METRES.
(NON GEODETIC)

NO	REVISION	DATE	BY
2.	ISSUED FOR ZBA/OPA	APR 15, 2019	NM
1.	ISSUED FOR ZBA/OPA	SEP 28, 2018	NM

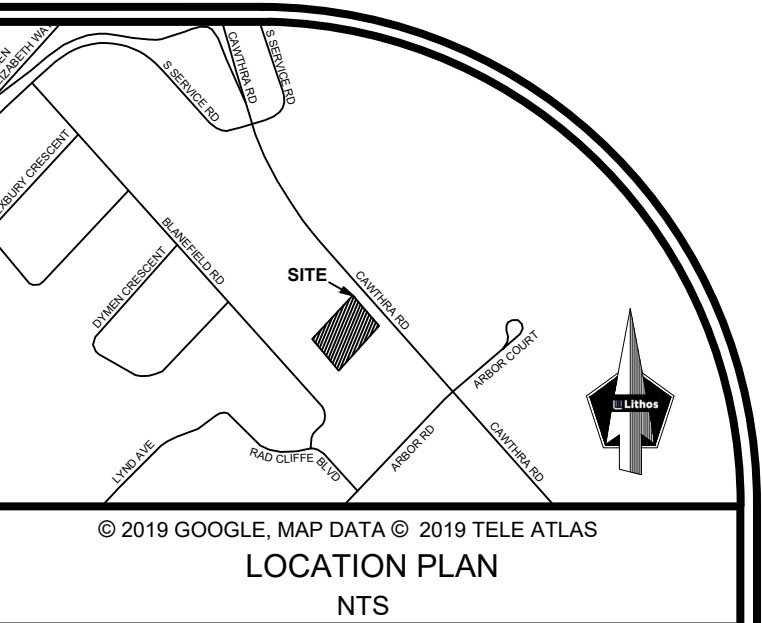
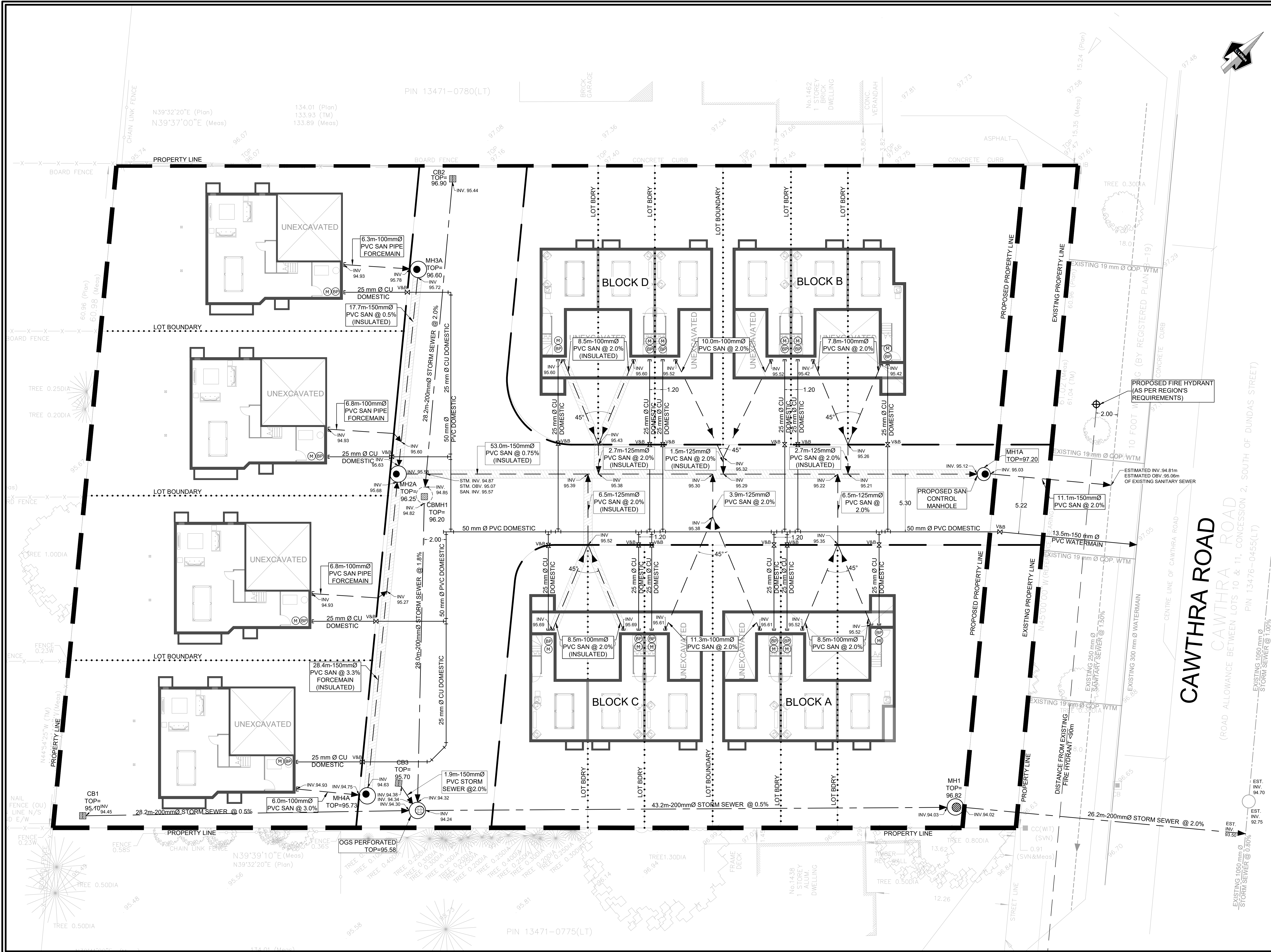


CITY OF MISSISSAUGA
PRELIMINARY SITE GRADING PLAN
RESIDENTIAL USE DEVELOPMENT
1444-1458 CAWTHRA ROAD
MISSISSAUGA, ONTARIO

Lithos
150 Bermondsey Road, North York, Ontario, M4A 1Y1

DESIGNED BY: AA	DATE: MAY 14, 2018	CHECKED BY: NM
DRAWN BY: AA	PROJECT No:	APPROVED BY: NM
SCALE: 1:150	DRAWING No:	

© COPYRIGHT 2019 Lithos Group Ltd. UD17-094 SG-01



LEGEND

PROPERTY LINE	---
LOT BOUNDARY	----
LIMIT OF CONSTRUCTION	----
PROPOSED STORMWATER MANHOLE	⊙
PROPOSED SANITARY MANHOLE	⊙
PROPOSED CATCH BASIN	⊙
EXISTING CATCH BASIN	⊙
EXISTING MANHOLE	⊙
PROPOSED VALVE AND BOX	⊙
WATER METER	⊙
BACK FLOW PREVENTOR	⊙
PROPOSED STORM SEWER	---
PROPOSED SANITARY SEWER	---
PROPOSED WATERMAIN	---
EXISTING STORM SEWER	---
EXISTING SANITARY SEWER	---
EXISTING WATERMAIN	---
PROPOSED OGS	⊙
PROPOSED FIRE HYDRANT	⊙

LIST OF DRAWINGS

SS-01 (SITE GRADING PLAN)	
SS-01 (SITE SERVING PLAN)	
DD-01 (DETAIL DRAWINGS)	

SITE PLAN INFORMATION

KFA ARCHITECTS & PLANNERS INC.
197 SPADINA AVENUE / Suite 500
TORONTO, ON | M5T 2C8
416-642-0589
info@kfarchitecture.com

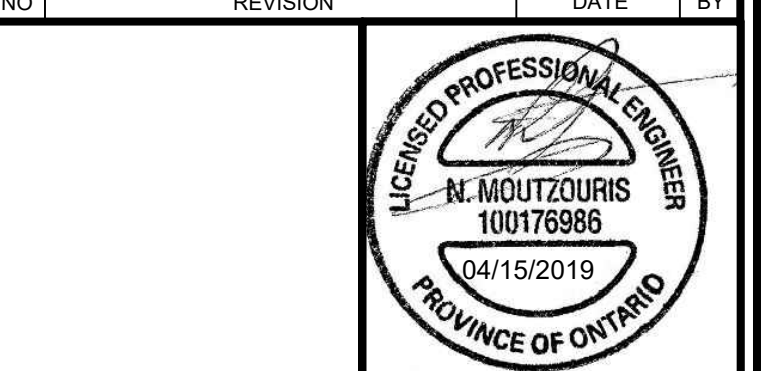
SURVEY INFORMATION

TOM A. SENKUS
ONTARIO LAND SURVEYOR
40 BURROWS AVENUE
TORONTO (ISLINGTON), ON M9B 4W7
TEL: (416) 237-1893
EMAIL: tom@senkusrogers.com
mapcad@rogers.com

BENCHMARK

ELEVATIONS ARE REFERRED TO CITY OF MISSISSAUGA
BENCHMARK No. 75 ELEVATION 98.308 METRES.
(NON GEODETIC)

NO	REVISION	DATE	BY
1.	ISSUED FOR ZBA/OPA	APR 15, 2019	NM
2.	ISSUED FOR ZBA/OPA	SEP 28, 2018	NM



CITY OF MISSISSAUGA

PRELIMINARY SITE SERVING PLAN

RESIDENTIAL USE DEVELOPMENT
1444-1458 CAWTHRA ROAD
MISSISSAUGA, ONTARIO

Lithos

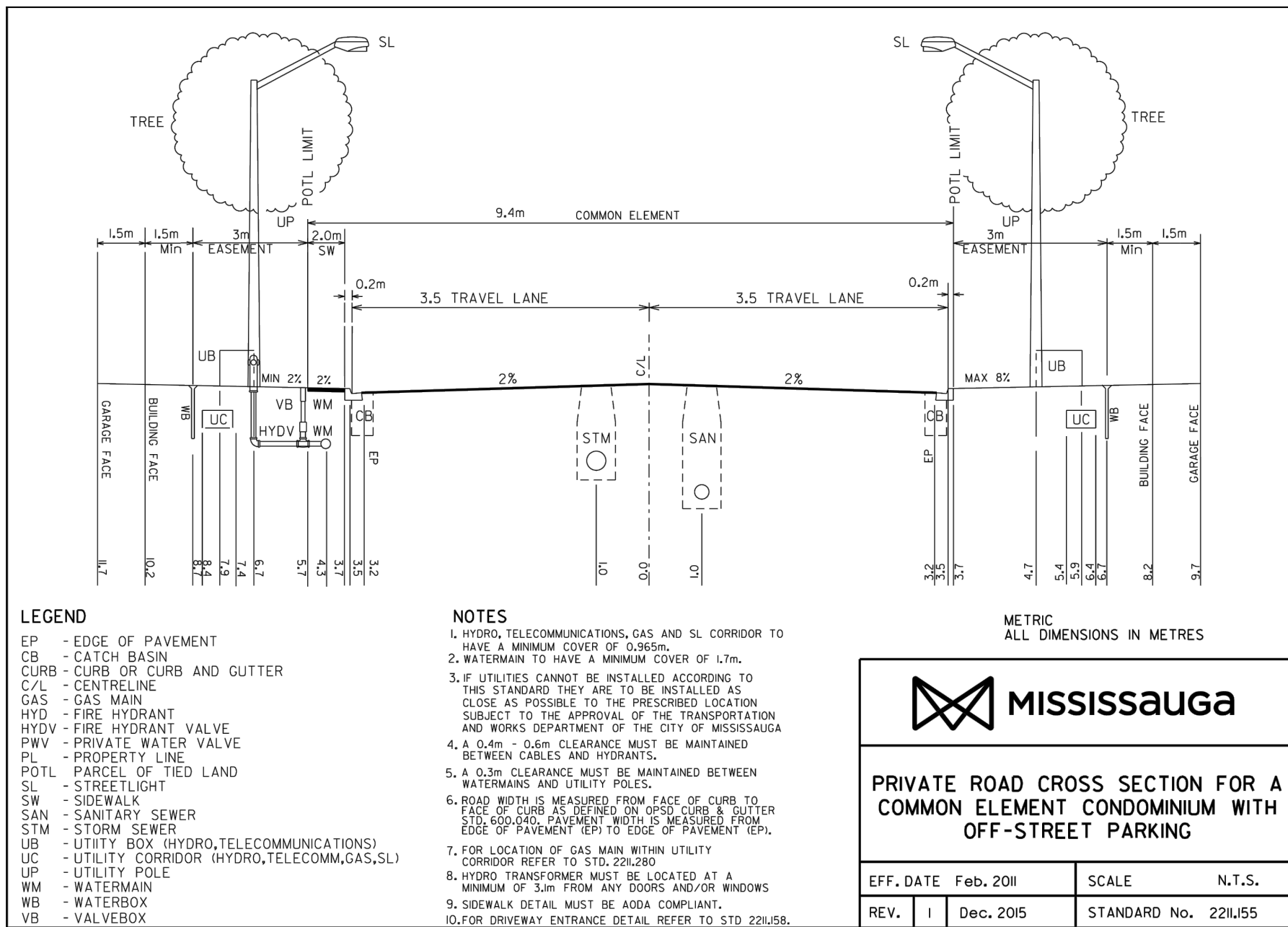
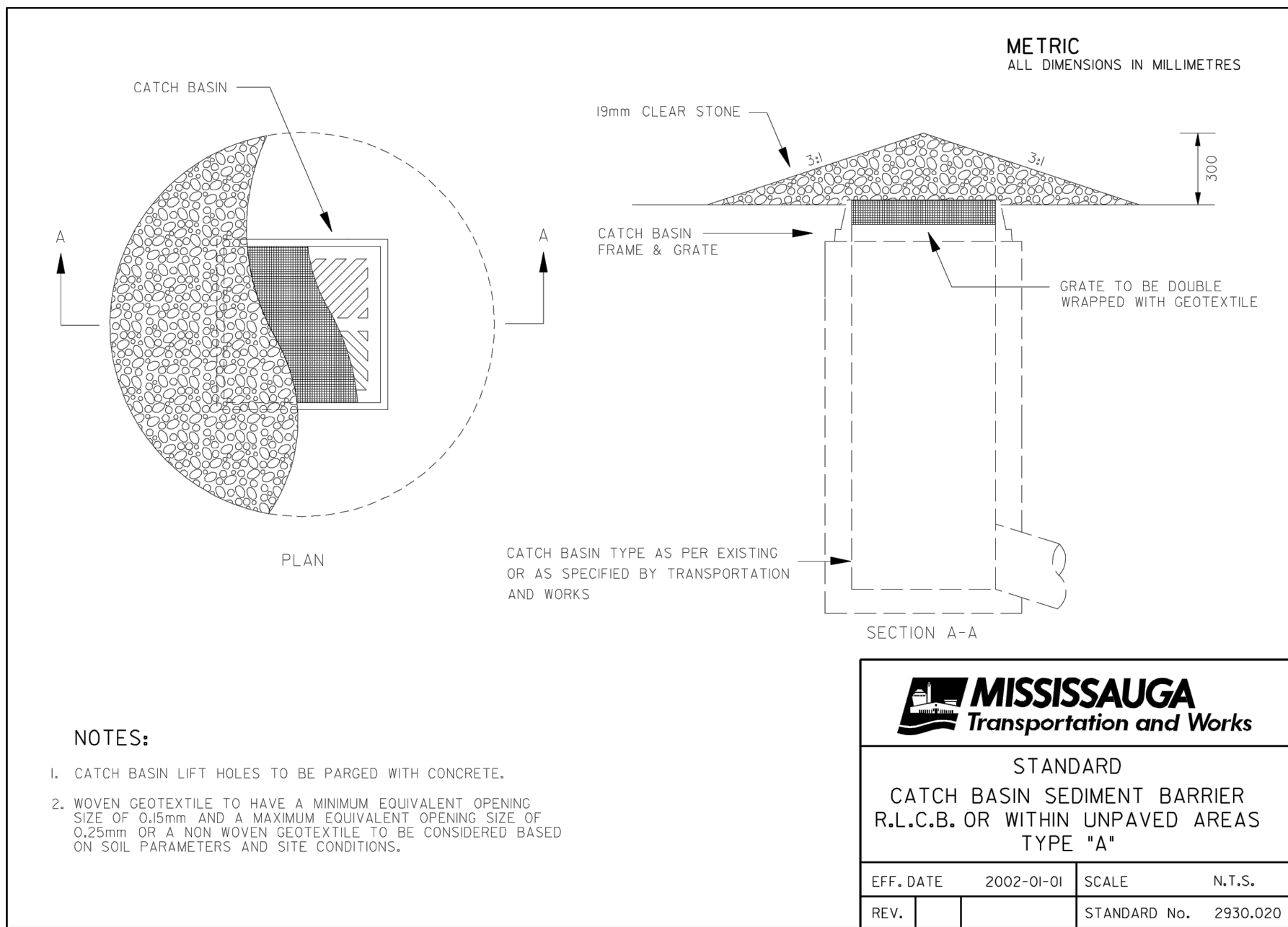
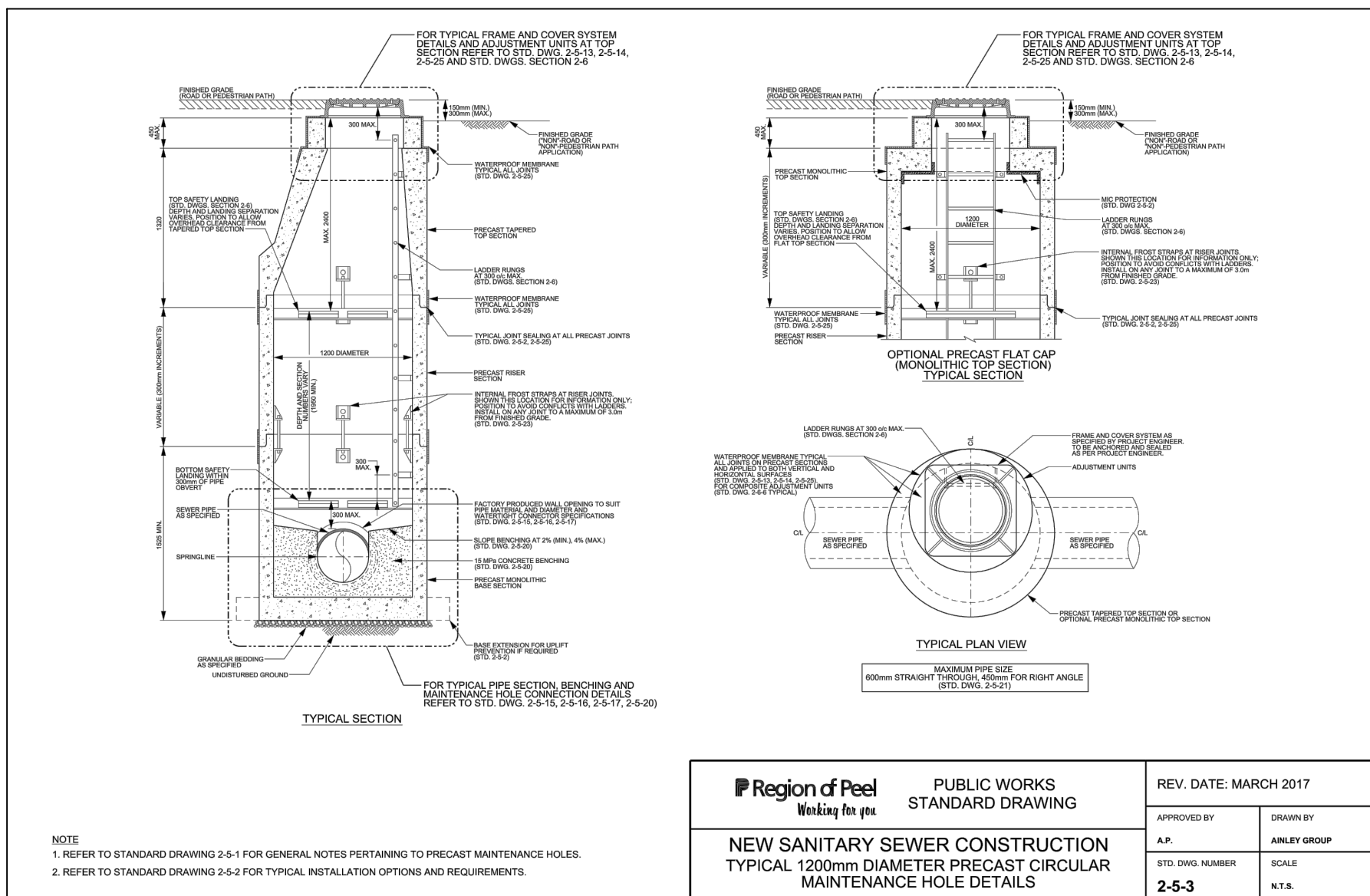
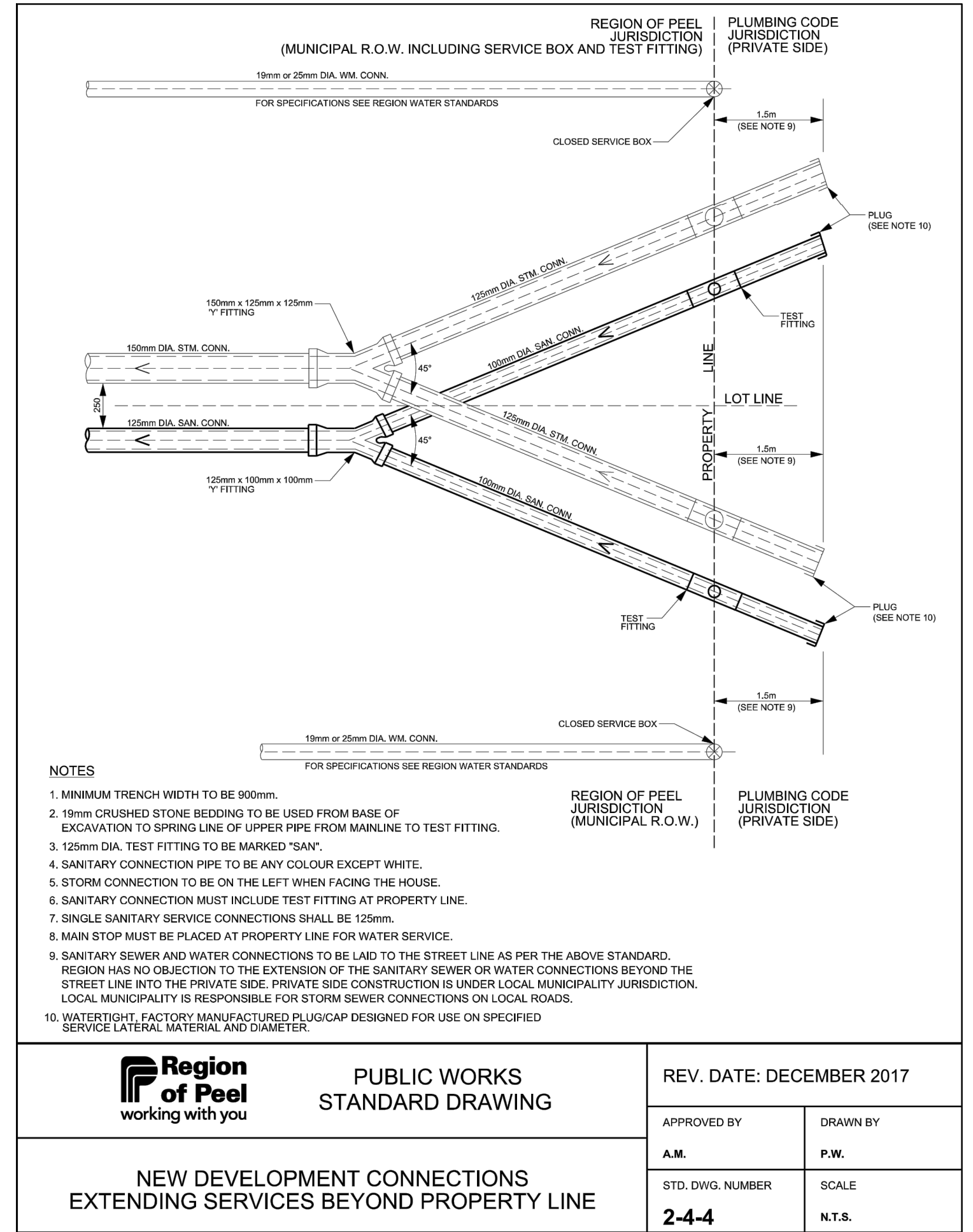
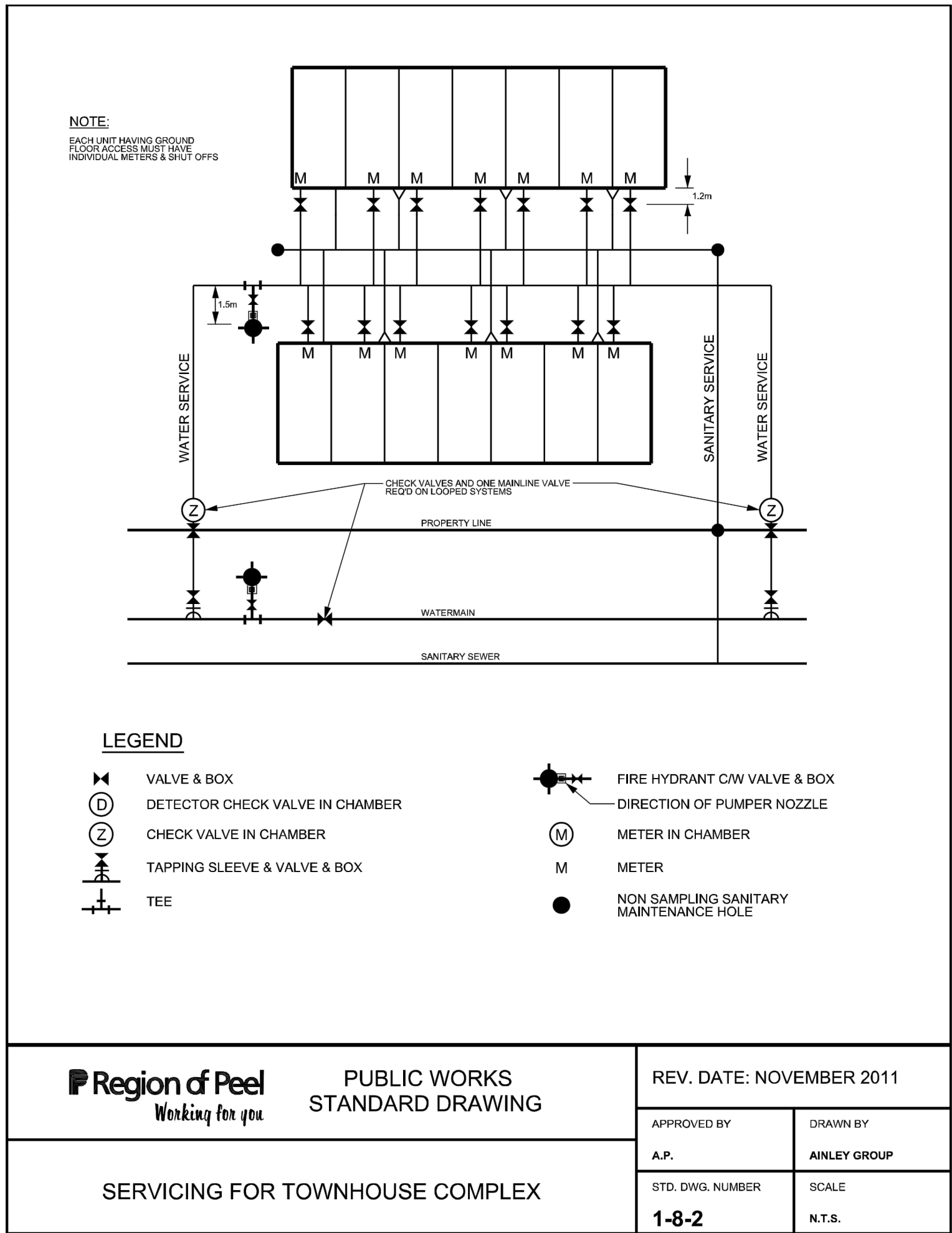
150 Bermondsey Road, North York, Ontario, M4A 1Y1

DESIGNED BY: AA	DATE: MAY 14, 2018	CHECKED BY: NM
DRAWN BY: AA	PROJECT No:	APPROVED BY: NM
SCALE: 1:150		DRAWING No:

© COPYRIGHT 2019
Lithos Group Ltd.

UD17-094

SS-01



GENERAL NOTES:

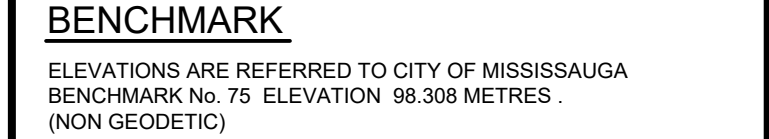
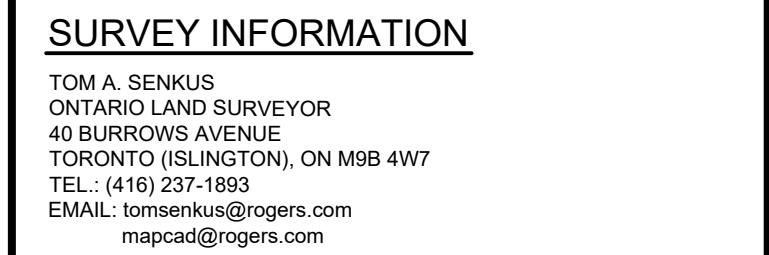
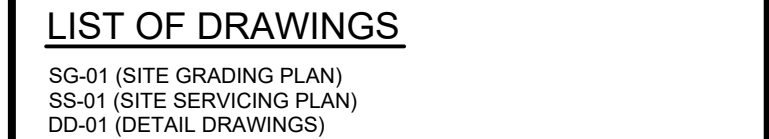
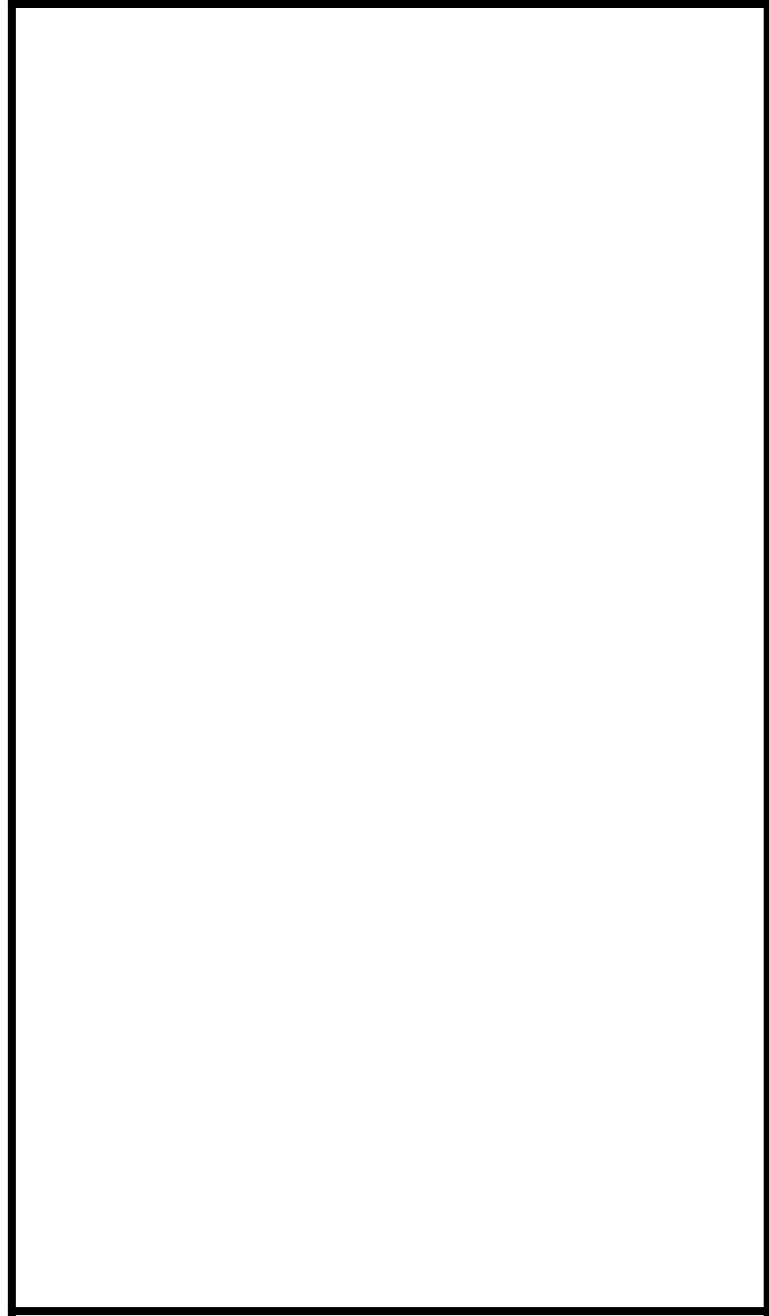
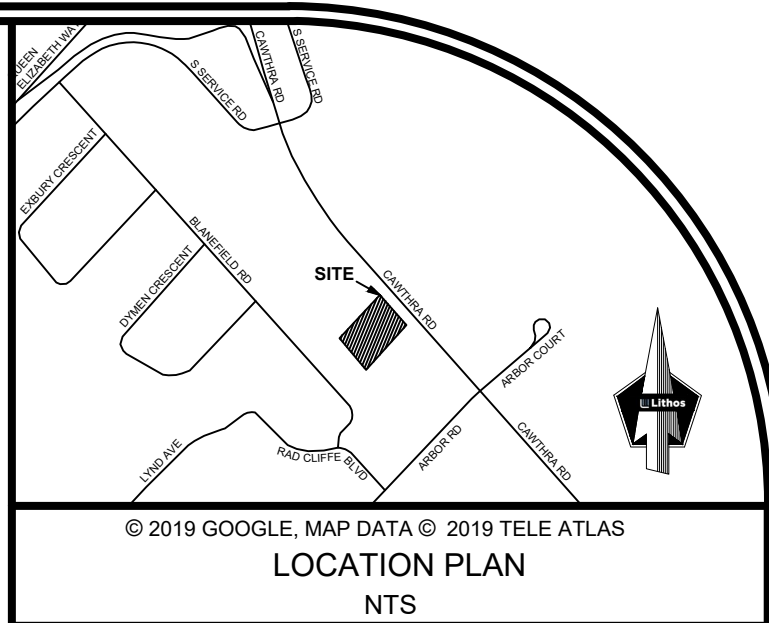
- ALL DIMENSIONS ARE IN METRES AND ALL DIAMETERS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- ALL THE CONSTRUCTION WORK FOR THIS PROJECT SHALL COMPLY WITH THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF MISSISSAUGA, REGIONAL MUNICIPALITY OF PEEL, ONTARIO BUILDING CODE AND THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. WHERE CONFLICTS EXIST BETWEEN THESE STANDARDS CLARIFICATION IS TO BE SOUGHT FROM ENGINEER.
- 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.
- THE INFORMATION SHOWN FOR EXISTING UTILITIES AND SERVICES WAS PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES PRIOR TO AND DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED AND VERIFIED BY EACH UTILITY AND/OR THE CONTRACTOR 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 AND SERVICES LOCATIONS AND NOTIFY THE ENGINEER OF CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL REQUIRED PERMITS (OTHER THEN BUILDING PERMITS) REQUIRED TO START CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE CONSTRUCTION ACTIVITIES WITH MISSISSAUGA TRANSIT, MALL MANAGEMENT AND OPERATIONS AND THE REQUIRED RELEVANT MUNICIPAL AUTHORITIES. LOST TIME DUE TO FAILURE DO SO WILL BE AT THE CONTRACTOR'S EXPENSE.

WATER NOTES:

- ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
- WATERMAIN AND/OR WATER SERVICE MATERIALS 100mm (4") AND LARGER MUST BE PVC DR18.
- WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7m (5'6") WITH A MINIMUM HORIZONTAL SPACING 1.2m (4') FROM THEMSELVES AND ALL OTHER UTILITIES.
- PROVISIONS FOR FLUSHING WATER LINES PRIOR TO TESTING ETC. MUST BE PROVIDED WITH AT LEAST A 50mm (2") OUTLET ON 100mm (4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ON A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100mm (4") DIAMETER MIN ON A HYDRANT.
- ALL CURBS STOP TO BE 3.0m (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
- WATERMANS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED.
- 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.
- WATERMANS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3m (12") OVER AND 0.5m (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
- 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.

STORM AND SANITARY SEWERS:

- MANHOLES SHALL BE AS PER OPSD 701.011, 701.012; FRAMES AND COVERS SHALL BE AS PER OPSD 401.010. SAFETY PLATFORMS TO BE INSTALLED WHERE DEPTH EXCEEDS 5.0m.
- SINGLE CATCHBASINS SHALL BE AS PER OPSD 705.010, WITH FRAMES AND COVERS AS PER OPSD 400.020. DOUBLE CATCHBASINS SHALL BE AS PER OPSD 705.020.
- CONCRETE PIPE SEWER BEDDING SHALL BE CLASS 'B' 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.
- ALL STORM SEWER PIPES UP TO 450mm DIA. SHALL BE PVC SDR-35 OR APPROVED EQUIVALENT. ALL STORM SEWER PIPES 525mm DIA. AND LARGER SHALL BE CONCRETE AND EQUAL TO C.S.A. SPECIFICATIONS A257.2 REINFORCED CLASS 65-D OR LATEST AMENDMENT UNLESS OTHERWISE SPECIFIED.
- ALL SANITARY PVC SEWER PIPES SHALL BE SDR-35 EQUAL CSA SPECIFICATIONS B 182.2-M1990 OR LATEST AMENDMENT UNLESS OTHERWISE NOTED.
- ALL MANHOLE, CATCH BASIN AND SERVICE EXCAVATIONS TO BE BACKFILLED IN ACCORDANCE WITH THE GEOTECHNICAL.
- ALL CATCH BASINS AND CATCH BASIN MANHOLES ARE TO INCLUDE SUBDRAIN TREATMENT AS PER DETAIL ON DRAWING D1.
- ALL BLIND CONNECTIONS TO MATCH THE SPRINGLINE OF THE CATCH BASIN LEAD TO THE SPRINGLINE OF THE STORM PIPE. OTHERWISE INSTALL THE CATCH BASIN LEAD AT A MAXIMUM 2.00% AND DROP INTO PIPE.
- UNLESS NOTED OTHERWISE, CATCHBASIN LEADS SHALL BE 200mmØ AT MINIMUM 1.00% TO MAXIMUM 5.00% SLOPE THE CONTRACTOR IS TO PROVIDE RISERS AS REQUIRED.
- CATCHBASIN INVERTS TO BE 1.5m BELOW GRADE UNLESS OTHERWISE SPECIFIED.
- ALL MANHOLES TO BE BENCHED IN ACCORDANCE WITH OPSD 701.021.
- THE CONTRACTOR IS TO PROVIDE CCTV CAMERA INSPECTIONS OF ALL SANITARY AND STORM SEWERS, INCLUDING PICTORIAL REPORT, TWO (2) CD COPIES IN A FORMAT SATISFACTORY TO THE ENGINEER. ALL SEWERS ARE TO BE FLUSHED PRIOR TO CAMERA INSPECTION.



NO	REVISION	DATE	BY
2	ISSUED FOR ZBA/OPA	APR 15, 2019	NM
1	ISSUED FOR ZBA/OPA	SEP 28, 2018	NM

