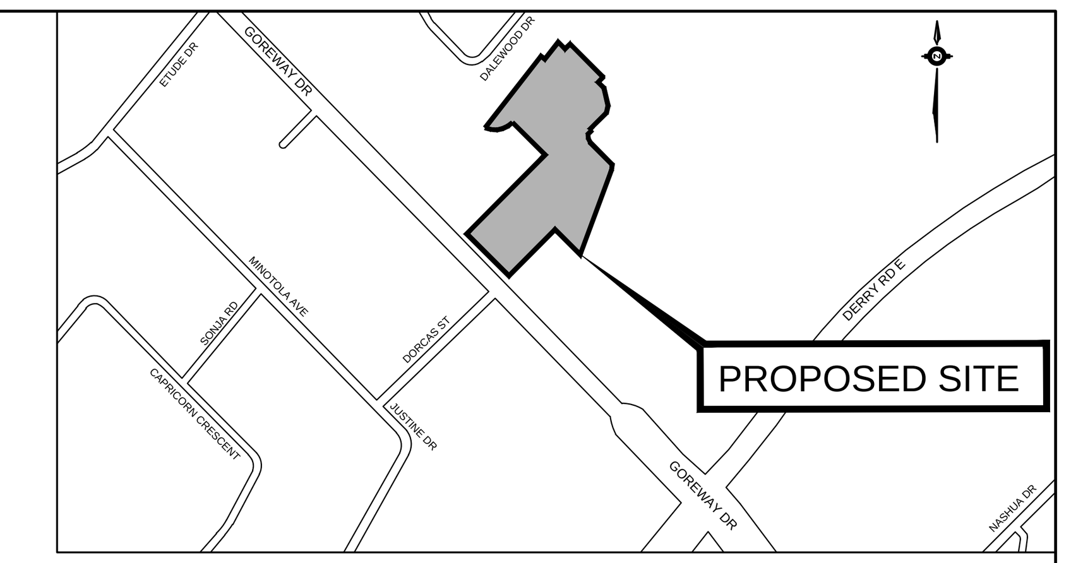
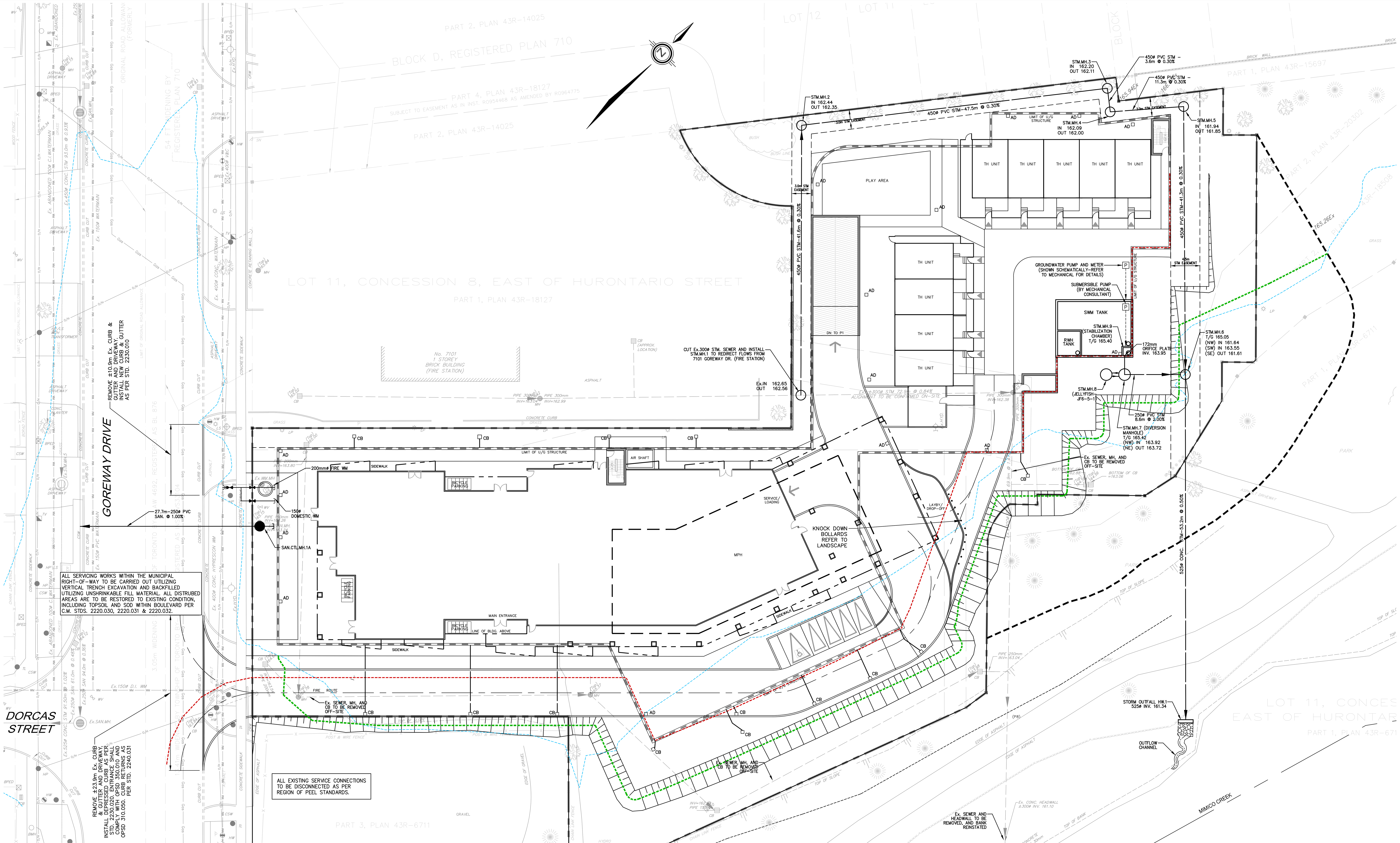


NOTES

1. THE LOCATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON CONTRACT DRAWINGS, AND WHERE SHOWN THE ACCURACY OF THE LOCATION AND ELEVATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITIES OF DAMAGE.
2. ANY CONFLICTS WITH EXISTING SERVICES AND/OR UTILITIES SHALL BE REPORTED TO THE ENGINEER FOR REVIEW AND ADVICE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. INFORMATION REGARDING ANY EXISTING SERVICES AND/OR UTILITIES SHOWN ON THIS DRAWING ARE FURNISHED AS THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL INTERPRET THIS INFORMATION AS HE SEES FIT WITH THE UNDERSTANDING THAT THE OWNER, ENGINEER AND CITY DISCLAIM ALL RESPONSIBILITY FOR ITS ACCURACY AND/OR SUFFICIENCY.
4. THE CONTRACTOR SHALL PROVIDE DETAILS FOR SUPPORT OF Ex. SERVICES AND/OR UTILITIES FOR ENGINEER'S APPROVAL PRIOR TO START OF CONSTRUCTION.

LEGEND

- DENOTES HYDRANT
- AD DENOTES AREA DRAIN
- DENOTES CATCHBASIN
- DENOTES STORM MANHOLE
- DENOTES SANITARY MANHOLE
- VC DENOTES VALVE & CHAMBER
- VB DENOTES VALVE & BOX
- DENOTES EXISTING REGULATORY FLOODPLAIN
- DENOTES LINE OF FLOODPLAIN (REGIONAL)
- DENOTES 6.0m SETBACK FROM PROPOSED ENGINEERED LONG TERM STABLE TOP OF SLOPE
- DENOTES EXISTING PROPERTY LINE
- DENOTES PROPOSED PROPERTY LINE
- DENOTES LINE OF U/G
- OHR DENOTES EXISTING OVERHEAD HYDRO
- Gas DENOTES EXISTING GAS MAIN
- B DENOTES EXISTING BELL CABLE



REGION OF PEEL NOTES:

1. ALL MATERIALS AND CONSTRUCTIONS METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
2. WATERMAIN AND/ OR WATER SERVICE MATERIAL UP TO AND INCLUDING 300mm (12") DIAMETER MUST BE POLYVINYL CHLORIDE (PVC), DR18, A.W.W.A. C900-16. SIZE 50mm (2") AND SMALLER MUST BE COPPER, TYPE K SOFT COPPER ASTM B88-49.
3. WATERMAIN AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7m (5'6") WITH A MINIMUM HORIZONTAL SPACING OF 1.2m (4") FROM THEMSELVES AND ALL OTHER UTILITIES.
4. PROVISION FOR FLUSHING LINE 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 ONTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100mm (4") DIAMETER MINIMUM ON A HYDRANT.
5. ALL CURBS STOPS TO BE 3.0m (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
6. HYDRANT AND VALVE SET TO REGION STANDARD 1-6-1 DIMENSION A AND B, 0.7m (2') AND 0.9m (3') AND TO HAVE PUMPER NOZZLE.
7. WATERMAIN 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.
8. WATERMAIN MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.30m (12") OVER / 0.5m (20") UNDER SEWERS AND ALL OTHERS UTILITIES WHEN CROSSING.
9. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
10. 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.
11. 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.
12. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
13. 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 THEIR WORK WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
14. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE 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.

GENERAL NOTES

1. ALL CONCRETE AND PLASTIC SEWER PIPE SHALL HAVE RUBBER GASKET JOINTS.
2. ALL SEWERS SHALL BE CONSTRUCTED WITH BEDDING IN ACCORDANCE WITH OPSD 802.03 CLASS "B" UNLESS OTHERWISE NOTED.
3. PLASTIC SEWER PIPES SHALL BE CONSTRUCTED WITH ULTRA RIB OR APPROVED EQUAL UP TO THE MAXIMUM DIAMETER OF 600mm.
4. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT CITY OF MISSISSAUGA AND OPSD STANDARD DRAWINGS AND SPECIFICATIONS.
5. DOUBLE CATCHBASIN LEADS TO BE 300mm UNLESS OTHERWISE NOTED. ALL CATCHBASIN LEADS TO BE EITHER C-14-ES MINIMUM OR P.V.C. TYPE S.D.R. 28.
6. ALL BACKFILL FOR SEWERS, WATERMAINS AND UTILITIES ON PAVED AREAS MUST BE MECHANICALLY COMPACTED TO 95% STANDARD PROCTOR DENSITY.
7. INVERTS, ELEVATIONS AND EXACT LOCATIONS OF ALL EXISTING UNDERGROUND SERVICES TO BE VERIFIED IN THE FIELD BEFORE COMMENCING ANY WORK.
8. ALL AREAS DISTURBED DURING CONSTRUCTION TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CITY OF MISSISSAUGA AND REGION OF PEEL.
9. GRASSED AREAS TO BE TOPPED WITH 150mm TOPSOIL AND SODDED WITH No.1 NURSERY SOD.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING MUD AND DUST ON ALL PUBLIC ROADS TO THE SATISFACTION OF THE CITY AND REGION.

STORM WATER MANAGEMENT SUMMARY

MAXIMUM ALLOWABLE RELEASE RATE	63.7 L/sec
UNCONTROLLED RELEASE RATE	3.3 L/sec
MAXIMUM ALLOWABLE CONTROLLED RELEASE RATE	60.4 L/sec
ACTUAL RELEASE RATE FROM STM CTL. MH.	63.7 L/sec
TOTAL REQUIRED STORAGE	239.0 m^3
TOTAL AVAILABLE STORAGE AT SWM TANK	243.3 m^3
REQUIRED STORAGE FOR WATER BALANCE	40.0 m^3
AVAILABLE STORAGE FOR WATER BALANCE	40.0 m^3
100 YR. HWL AT ORIFICE	164.93 m
ORIFICE PLATE SIZE	172mm DIA.
STORM TANK MAXIMUM WATER DEPTH	3.08 m

PLUMBING NOTES:

1. ALL AD/CB/TRENCH DRAINS DESIGNED TO CAPTURE 100 YR STM. EVENT AND DIRECTED TO INTERNAL PLUMBING SYSTEM – PLUMBING TO BE DESIGNED BY MECHANICAL ENGINEER.
2. THE BUILDING SANITARY AND STORM SYSTEM MUST BE DESIGNED TO BE ABLE TO OPERATE UNDER MUNICIPAL SEWER SURCHARGE CONDITIONS.
3. ALL AREA DRAINS TO BE CONNECTED TO SWM TANK – PLUMBING TO BE DESIGNED BY MECHANICAL ENGINEER.
4. ROOF DRAINS TO BE CONNECTED TO RWH TANK – PLUMBING TO BE DESIGNED BY MECHANICAL ENGINEER.

BENCHMARK NOTE

ELEVATIONS SHOWN HEREON ARE GEODETIC(1928) AND ARE RELATED TO CITY OF MISSISSAUGA BENCH MARK No. BM448 HAVING PUBLISHED ELEVATION OF 162.55 METRES.

No.	Date	Issued for
3.	MAR.08.2023	ISSUED FOR ZBA SUBMISSION
2.	JUNE.06.2022	ISSUED FOR ZBA SUBMISSION
1.	APR.24.2020	ISSUED FOR ZBA SUBMISSION

REGISTERED PROFESSIONAL ENGINEER
H. H. TOZCU
100130655
MAR.08,2023
PROVINCE OF ONTARIO

REDWOOD ON GOREWAY
7085 GOREWAY DRIVE

CITY OF MISSISSAUGA

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PRELIMINARY SITE SERVICING PLAN

DRAWN BY: M.P.	DESIGNED BY: M.P.	CHECKED BY: H.S.
SCALE: 1:300	DATE: APR. 2020	
PROJECT No. 2019-4866	DRAWING No. SS-1	