

GENERAL NOTES

STORM SEWERS:

- ALL CONCRETE PIPE SMALLER THAN 450mm DIAMETER SHALL BE C-14, CLASS 2, CONCRETE PIPE 450mm DIAMETER AND LARGER SHALL BE C-76, CLASS 65-D, UNLESS OTHERWISE NOTED.
- ALL POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE C.S.A. REQUIREMENTS AS NOTED WITHIN OPSS. 1841. THE PIPE MATERIAL SHALL HAVE A CELL CLASSIFICATION OF 12454-B OR 12454-C OR ASTM. STD. D-3034 & OPSS. 1841.
- ALL CONCRETE SEWER PIPES SHALL HAVE RUBBER GASKET JOINTS.
- CLASS "B" BEDDING IS TO BE USED AS PER CITY STANDARD 2112.08 SEWER BEDDING AND COVER MATERIAL SHALL CONFIRM WITH CITY STANDARDS 2112.09 AND 2112.10. IF WATER IS PRESENT IN THE TRENCH EXCAVATION THEN 19mm. CLEAR STONE IS TO BE USED FOR BEDDING IN ACCORDANCE WITH CITY STANDARD 2112.11 AND 2112.14 RESPECTIVELY. WHERE WET OR SOFT TRENCH SUBGRADE CONDITIONS ARE ENCOUNTERED, FURTHER ON-SITE GEOTECHNICAL ASSESSMENT MAY BE REQUIRED TO DETERMINE THE APPROPRIATE BEDDING IN ORDER TO STABILIZE THE SUBGRADE FOR SEWER CONSTRUCTION.
- MANHOLE STEPS SHALL BE AS PER OPSD. 405.010.
- MANHOLE COVERS AND FRAMES SHALL BE AS PER OPSD. 401.010.
- SINGLE CATCHBASINS WITHIN ROAD ALLOWANCES SHALL BE AS PER OPSD. 705.010, WITH A 250mm DIAMETER LEAD, DOUBLE CATCHBASINS WITHIN ROAD ALLOWANCES SHALL BE AS PER OPSD. 705.020, WITH A 300mm DIAMETER LEAD.
- ALL CATCHBASIN FRAME AND GRATES SHALL BE AS PER OPSD. 400.020.
- THE TRENCH WIDTH AT THE TOP OF PIPE SHALL BE AS PER STD. 2112.08. IF THE MAXIMUM TRENCH WIDTH IS EXCEEDED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING EXTRA BEDDING AND/OR STRONGER PIPE AS REQUIRED.
- ALL STORM SEWER AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT CITY OF MISSISSAUGA STANDARDS AND SPECIFICATIONS.
- STORM SERVICE CONNECTION IS TO BE ON THE LEFT OF SANITARY SERVICE FACING THE HOUSE. (EXCEPT AS NOTED)
- SERVICE CONNECTION AT THE STREET LINE IS TO BE HIGHER THAN THE SANITARY CONNECTION AT THAT POINT.
- ALL CATCHBASINS ARE TO BE PLACED ON GRANULAR BEDDING (MINIMUM DEPTH 150mm).
- TRENCH BACKFILLING ON PROPOSED ROADS SHALL WITH CITY'S ENGINEERING POLICY STATEMENT AS PROVIDED IN THE "DEVELOPMENT REQUIREMENTS MANUAL" (SECTION 4.02.06-TRENCH BACKFILLING ON ROADS). TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% S.P.D. WITHIN 2.0% OF THE OPTIMUM CONTENT.
- SAND BACKFILLING IS REQUIRED ADJACENT TO MANHOLES, CATCHBASINS AND SERVICE CROSSING.

GENERAL:

- ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF THE SUBJECT LANDS, IS TO BE UNDERTAKEN AT DEVELOPER'S EXPENSE.
- ALL UNDERGROUND SERVICE CONNECTIONS WITHIN PAVED PORTION OF ANY EXISTING ROAD TO BE BACKFILLED WITH UNSHRINKABLE FILL TO THE LATEST CITY OF MISSISSAUGA OR REGION OF PEEL SPECIFICATIONS.
- SNOW FENCE AND SEDIMENT TRAP CONTROL FENCE ARE TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION AND SHALL REMAIN IN PLACE AND IN GOOD REPAIR THROUGHOUT THE CONSTRUCTION AND GRADING PHASES.
- PRIOR TO THE START OF CONSTRUCTION, SNOW FENCING IS TO BE ERECTED ALONG THE PROPERTY BOUNDARIES ADJACENT TO ALL EXISTING RESIDENTIAL LOTS, PARKS AND ALL EXISTING SCHOOL BLOCKS.
- THE LOCATION AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION TO THE REPAIR OF EXISTING UTILITIES DISTURBED DURING CONSTRUCTION.
- ALL AREAS BEYOND THE PLAN OF SUBDIVISION WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S EXPENSE.
- ALL CONSTRUCTION SIGNING MUST CONFORM TO THE M.T.O. MANUAL OF "UNIFORM TRAFFIC CONTROL DEVICES".
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.

BOREHOLES:

- BOREHOLE LOGS SHOWN ARE FOR GENERAL INFORMATION ONLY AND LOCATIONS ARE APPROXIMATE. CONTRACTOR IS TO VERIFY AND SATISFY HIMSELF AS TO THE NATURE OF THE SUBSURFACE CONDITIONS.

ROADWORKS:

- ALL FILL WITHIN ROAD ALLOWANCE TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY. THE SUITABILITY AND COMPACTION OF ALL FILL MATERIALS ARE TO BE CONFIRMED BY A RECOGNIZED SOIL CONSULTANT TO THE CITY ENGINEER PRIOR TO THE INSTALLATION OF ANY ROAD BASE MATERIALS.
- ALL CONNECTIONS WITHIN PAVED PORTION OF ANY EXISTING ROAD TO BE BACKFILLED WITH GRANULAR MATERIAL AND/OR UNSHRINKABLE FILL AS PER THE LATEST OF CITY OF MISSISSAUGA STANDARDS AND SPECIFICATIONS.
- TRENCH BACKFILLING ON PROPOSED ROADS SHALL COMPLY WITH THE CITY'S ENGINEERING POLICY STATEMENTS PROVIDED IN THE "DEVELOPMENT REQUIREMENTS MANUAL" (SECTION 4.02.06 - TRENCH BACKFILLING ON ROADS).
 - ALL BACKFILL FOR SEWERS, WATERMAINS AND UTILITIES WITHIN ROAD ALLOWANCE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT.
 - THE TOP 100mm OF THE SUB-GRADE IS TO BE COMPACTED TO A MINIMUM 98% STANDARD PROCTOR DENSITY WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT.
- ALL ROADWORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MISSISSAUGA STANDARDS AND SPECIFICATIONS.
- ALL INTERSECTING ROADS SHALL BE PROVIDED WITH AN ADDITIONAL 150mm THICKNESS OF OPSS. GRANULAR "B". THIS EXTRA DEPTH SHALL EXTEND FOR A MINIMUM OF 15m BEYOND PROPERTY LINE OF INTERSECTING STREET , AS NOTED.
- SUB-DRAINS ARE TO BE INSTALLED AS PER CITY STANDARD 2220.04 ALONG THE ENTIRE LENGTH OF THE ROAD.

- PAVEMENT THICKNESS AND COMPOSITION TO BE AS SHOWN ON INDIVIDUAL PLAN AND PROFILE DRAWINGS.
- CONCRETE CURB & GUTTER OPSD. 600.070.
- SAND BACKFILL IS TO BE USED ADJACENT TO MANHOLES, CATCHBASINS AND SERVICE CROSSINGS.

EXISTING WATERCOURSE/GREENBELT:

- PRIOR TO COMMENCEMENT OF ANY GRADING OR CONSTRUCTION, TEMPORARY SNOW FENCE AND SILT FENCE TO BE ERECTED ALONG ALL LOTS AND BLOCKS ADJACENT TO THE EXISTING WATERCOURSE/GREENBELT, PARKS AND MAINTAINED UNTIL COMPLETION OF CONSTRUCTION.
- NO STOCKPILES OF FILL MATERIAL ARE TO BE PLACED WITHIN 10.0m OF THE EXISTING WATERCOURSE BLOCK.

TOPSOIL STOCKPILE PROTECTION:

ALL TOPSOIL STOCKPILE CONTAINING MORE THAN 100m³ OF MATERIAL SHALL BE LOCATED A MINIMUM OF 10m AWAY FROM A ROADWAY, DRAINAGE CHANNEL OR AN OCCUPIED RESIDENTIAL LOT. THE MAXIMUM SIDE SLOPES FOR TOPSOIL STOCKPILES SHALL BE 1.5 HORIZONTAL TO 1.0 VERTICAL.

RUNOFF FROM ALL TOPSOIL STOCKPILES SHALL BE CONTROLLED BY A SEDIMENT CONTROL FENCE OR OTHER APPROVED DEVICES. IF REMAINING FOR MORE THAN 30 DAYS, TOPSOIL STOCKPILES SHALL BE STABILIZED BY VEGETATIVE COVER, OR OTHER MEANS.

REGION OF PEEL

GENERAL NOTES:

- THE APPLICANT, APPLICANT'S REPRESENTATIVE, CONSULTANT, CONTRACTOR AND SUB CONTRACTORS ARE RESPONSIBLE TO ENSURE THAT THEIR DESIGN MATERIALS AND CONSTRUCTION PRACTICES CONFORM TO THE LATEST REGION OF PEEL'S WEBSITE (www.peelregion.ca/pw/standards). IN THE ABSENCE OF REGION SPECIFICATIONS, THE ONTARIO PROVINCIAL STANDARDS SPECIFICATIONS (OPSS) SHALL APPLY.
- ALL WORKS SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
- THE CONTRACTOR AT THEIR EXPENSE SHALL VERIFY THE LOCATION, DIMENSION AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES IN THE FIELD.
- PRIOR TO EXCAVATION OR BORING CONTRACTOR AT THEIR EXPENSE SHALL EXPOSE AND VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND SERVICES TO BE CROSSED AND MUST NOTIFY THE DESIGN ENGINEER AND THE AGENCY FIELD INSPECTOR AND/OR PROJECT MANAGER IMMEDIATELY. IN WRITING, OF ANY CONFLICTS OR DISCREPANCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING THE EXISTING UTILITIES FAR ENOUGH IN ADVANCE OF CONSTRUCTION TO MAKE NECESSARY DESIGN MODIFICATIONS FOR REVIEW AND APPROVAL, IF REQUIRED, WITHOUT DELAYING THE WORK.
- THE CONTRACTOR, AT THEIR EXPENSE AND TO THE SATISFACTION OF THE REGION OF PEEL, SHALL BE RESPONSIBLE FOR THE RESTORATION AND THE REPAIR OF THE EXISTING UTILITIES AND ALL AREAS BEYOND THE PLAN OF SUBDIVISION DISTURBED DURING CONSTRUCTION.
- THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- ALL BACKFILL FOR SEWERS, WATERMAINS AND UTILITIES ON THE ROAD ALLOWANCE MUST BE MECHANICALLY COMPACTED.
- ALL BOREHOLES SHOWN ON DRAWING ARE FOR INFORMATION ONLY. REFER TO GEOTECHNICAL REPORT.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.

WATERMAIN NOTES:

- THE REGION OF PEEL SHALL CONDUCT THE OPERATION OF EXISTING VALVES AND HYDRANTS IF REQUIRED.
- CONTRACTOR MUST USE BATTER BOARD OR ROD-AND-LEVEL METHOD FOR WATERMAIN INSTALLATION.
- ALL WATERMAINS SHALL HAVE 1.70m MINIMUM COVER FOR URBAN ROAD DESIGN AND 2.1m MINIMUM COVER FOR RURAL ROAD DESIGN.
- ALL WATERMAINS SHALL MAINTAIN A MINIMUM 1.5m CLEARANCE FROM ALL MANHOLES AND CATCH BASINS, WHERE APPLICABLE.
- FOR WATERMAIN CROSSING OVER OR UNDER SEWERS A MINIMUM 0.5m VERTICAL CLEARANCE SHALL BE PROVIDED.
- FOR WATERMAIN CROSSING A SANITARY SEWER, WATERMAIN JOINTS ARE TO BE OFFSET A MINIMUM OF 2.5m HORIZONTALLY FROM THE CENTERLINE OF THE SANITARY SEWER.
- WATERMAIN BEDDING SHOULD BE AS PER TRENCH DETAIL ON THE PLAN AND PROFILE DRAWING AND COMPACTED TO 100% SPD.
- WATERMAINS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED PLANS, COPY OF GRADE SHEET MUST BE SUPPLIED TO THE REGION OF PEEL INSPECTOR PRIOR TO COMMENCEMENT OF WORK.
- ANY JOINT DEFLECTION SHALL BE 50% OF MANUFACTURER'S SPECIFICATIONS. PIPE BARREL DEFLECTION IS PROHIBITED.
- FIRE HYDRANTS TO BE INSTALLED AS PER REGION STD. DWG. 1-6-1 AND 1-6-2 WITH FLANGE SET BETWEEN 50mm AND 150mm ABOVE FINISHED GRADE.
- ALL HYDRANTS SHALL HAVE 1.2m MINIMUM HORIZONTAL CLEARANCE FROM ALL OTHER UTILITIES AND STRUCTURES MEASURED FROM THE NEAREST POINT OF THE STRUCTURE.
- MECHANICAL RESTRAINTS ARE REQUIRED FOR ALL FITTINGS, VALVES, DEAD ENDS, CAPS AND HYDRANTS ON ALL PVC WATERMAINS; MINIMUM RESTRAINED PIPE LENGTH AS PER REGION'S STANDARD DRAWING 1-5-9.
- STAINLESS STEEL NUTS AND BOLTS ARE TO BE USED ON ALL METALLIC FITTINGS AND JOINT RESTRAINTS.
- ALL METALLIC VALVES, FITTINGS, THROUGH WALL METAL PIPING AND JOINT RESTRAINTS TO BE C/W. DENSO PASTE, DENSO MASTIC & DENSO TAPE OR APPROVED EQUAL APPLIED TO MANUFACTURER'S RECOMMENDATIONS.
- WHERE PLASTIC PIPE IS USED, INSTALL A 12 GAUGE TWO STRANDED COPPER, LIGHT COLOURED, PLASTIC COATED TRACER WIRE ATTACHED TO THE PIPE WITH APPROVED WIRE SPLICE. THE WIRE SHOULD BE BROUGHT TO THE SURFACE AT EACH SERVICE & VALVE BOX AND HYDRANT VALVES.
- 50mm DIAMETER WATERMAIN SHALL BE TYPE K SOFT COPPER. WATERMAIN INSTALLATION IN CUL-DE-SACS TO BE INSTALLED AS PER REGION STD. DWG. 1-7-4.
- A PHYSICAL SEPARATION MUST BE MAINTAINED AT ALL CONNECTION POINTS OF NEW WATERMAIN TO THE EXISTING SYSTEM UNTIL BACTERIOLOGICAL TESTS HAVE PASSED, AS PER STD. DWG. 1-7-7 AND 1-7-8.
- PROVISION FOR FLUSHING OF NEW WATERMAINS PRIOR TO TESTING MUST BE PROVIDED WITH AT LEAST A 50mm OUTLET ON WATERMAINS SMALLER THAN 300mm IN DIAMETER, AND MINIMUM 100mm OUTLET ON WATERMAINS 300mm AND LARGER. COPPER WATERMAINS ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE WATERMAIN, AS PER STD. DWG. 1-7-7 AND 1-7-8.
- ALL SERVICE CONNECTIONS TO PVC PIPES ARE TO BE MADE USING APPROVED WIDE BAND SERVICE SADDLE. DIRECT TAPPING IS NOT ALLOWED.

- ALL WATER SERVICES SHALL BE MINIMUM 25mm DIA. NOMINAL COPPER PIPE SIZE OR 32mm DIA. POLYETHYLENE PIPE. IN GENERAL, NON METALLIC SERVICES SHALL BE ONE SIZE LARGER THAN THE NOMINAL COPPER PIPE SIZE AS PER LATEST APPROVED REGIONAL PRODUCT LIST AND SIZES C/W. TRACER WIRE.
- THE MINIMUM LATERAL DISTANCE BETWEEN WATER SERVICES AND OTHER UTILITIES SHALL BE 1.2m.
- ALL RESIDENTIAL WATER SERVICE BOXES/CURB STOPS SHALL BE INSTALLED WITHIN SODDED AREAS WITH MINIMUM DISTANCE OF 1.0 METRES FROM THE EDGE OF THE DRIVEWAY, BE FLUSH WITH GRADE AND ACCESSIBLE AT ALL TIME.
- STD. AND BOXES SHALL BE CAST IRON SLIDING TYPE, COMPLETED WITH VALVE GUIDE PLATES INSTALLED AS PER REGION STD. 1-3-8 AND BOXES SHALL BE INSTALLED AS PER REGION STD. 1-3-8. MAINLINE VALVES TO BE RESTRAINED AS PER REGION STD. 1-3-3A. VALVES SHALL OPEN TO THE LEFT (COUNTER-CLOCKWISE).
- ALL WATER SERVICES BOXES SHOULD BE "LEAD FREE" AS PER REGION'S MATERIAL SPECIFICATIONS.
- THE REGION WILL COMPLETE THE NECESSARY WATER TESTING (PRESSURE TEST, FLUSHING, CHLORINATION AND SAMPLING). CONTRACTOR MAY PROCEED WITH HIS OWN PRESSURE TEST AND FLUSHING PRIOR TO REGION'S TESTING.
- ALL METALLIC WATER PIPES INCLUDING 'K' COPPER WATER SERVICES, INSTALLED OR REPAIRED, SHALL HAVE ZINC ANODE AS PER REGION OF PEEL STANDARD 1-7-1, OPS5422 AND OPSD 1109.011 AND TO CONFORM TO ASTM B-418 TYPE.
- WATERMAIN PIPES SHALL BE BROUGHT ON SITE WITH MANUFACTURER'S PLUGS AND STORED SO NO DEBRIS ENTER THE PIPE. THE CONTRACTOR IS NOT ALLOWED TO INSTALL ANY WATERMAIN UNTIL HE HAS A NIGHT PLUG ON SITE. THE NIGHT PLUG IS TO BE USED EVERY TIME WHEN WORK IS STOPPED.

WATERMAIN IN FILL AREA NOTES:

- NO WATERMAIN TO BE LAID ON FILL UNTIL THE FIELD DENSITY TEST REPORTS HAVE BEEN SUBMITTED TO AND APPROVED BY THE REGION OF PEEL OR THE CONSULTING ENGINEER.
- PIPE JOINTS DEFLECTIONS ARE NOT ALLOWED IN FILL AREA.
- JOINTS SHALL BE MECHANICALLY RESTRAINED THE WHOLE LENGTH.
- ALL HYDRANTS, TEE BRANCH VALVES AND HORIZONTAL BENDS ARE TO BE MECHANICALLY RESTRAINED WITH TIE RODS.
- IN EXISTING MUNICIPAL RIGHT-OF-WAY OR EASEMENT, FILL TO BE PLACED TO 600mm MINIMUM ABOVE THE OVERT OF THE WATERMAIN AND TO 300mm (LIFTS); AND THEREAFTER, FOR EVERY 300mm LIFT ALONG THE CENTERLINE, AND 1.5m TO EITHER SIDE, OF WATERMAIN AT MAXIMUM INTERVAL OF 30.0m. TEST RESULTS MUST BE SUBMITTED TO AND APPROVED BY THE CONSULTANT OR AGENCY.

SANITARY SEWER NOTES:

- ALL SANITARY SEWER BEDDING AS PER STD. 2-5-1.
- MAINLINE SANITARY SEWER PIPE SIZE SHALL BE MINIMUM 250mm DIAMETER INSTALLED AT THE APPROVED DESIGN GRADE. PIPE CLASS AND APPURTENANCES AS PER REGION'S SPECIFICATIONS.
- ALL SEWERS CONSTRUCTED WITH GRADES 0.5% OR LESS SHALL BE APPROVED BY THE ENGINEER AND THE AGENCY PROJECT MANAGER OR DESIGNATED AND BE INSTALLED WITH LASER AND CHECKED PRIOR TO BACKFILL.
- MINIMUM SANITARY SEWER PIPE SLOPE FOR LAST LEG SHALL BE 1% AND DESIRABLE SLOPE 2%.
- ALL MANHOLES SHALL BE AS PER REGION STD. DWG. 2-5-2, 2-5-3, 2-5-4, 2-5-5 AND 2-5-6 AND BENCHING AS PER STD. DWG. 2-5-20.
- FRAME AND COVERS SHALL BE AS PER REGION STD. DWG. 2-5-13, 2-6-1 TO 2-6-8.
- MANHOLE STEPS OR LADDERS TO BE AS PER REGION STD. DWG. 2-6-9 TO 2-6-11.
- MANHOLES DEEPER THAN 5.0m MUST BE EQUIPPED WITH SAFETY PLATFORMS, AS PER STD. 2-6-13 AND 2-6-14.
- MANHOLE DROP STRUCTURES SHALL BE AS PER REGION STD. DWG. 2-5-26 AND 2-5-27.
- SANITARY SERVICE LATERALS SHALL BE MINIMUM 125mm DIAMETER.
- SANITARY SERVICE SHALL BE LOWER THAN AND TO THE RIGHT OF THE STORM SERVICE AT THE PROPERTY LINE WHEN FACING THE LOT FROM THE STREET.
 - CONNECTIONS TO SEWERS SHALL BE MADE WITH MANUFACTURED TEES OR WYES WHERE APPLICABLE AND SHALL BE COLOUR CODED AS NON-WHITE, AS PER STD. DWG. 2-4-1, TO 2-4-7.

REGIONAL ROADS NOTES:

- CONSTRUCTED AND DESIGN SIGNAGE MUST CONFORM TO "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND LATEST REVISION OF THE ONTARIO MINISTRY OF TRANSPORTATION "TRAFFIC CONTROL MANUAL FOR ROADWAY WORK OPERATIONS".
- ALL TEMPORARY SIGNAGE AND TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ONTARIO TRAFFIC MANUAL, BOOK 7 "TEMPORARY CONDITIONS" AND OPS SPECIFICATIONS AND STANDARD DRAWINGS.
- PAVEMENT MARKINGS MUST BE IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL, BOOK II "PAVEMENT HAZARD AND DELINEATION MARKINGS".
- THE CONTRACTOR SHALL NOTIFY IN ADVANCE, AS REQUIRED, THE APPROPRIATE AUTHORITY HAVING JURISDICTION FOR THE ROAD PRIOR TO COMMENCING ANY WORK AND SHALL ACQUIRE AND SATISFY THE REQUIREMENTS OF APPROPRIATE PERMITS (FEES, INSPECTIONS, SIGNAGE, TRAFFIC, MAINTENANCE, DIVERSION, ETC.).
- REGIONAL ROAD CLOSURE IS NOT PERMITTED AT ANY TIME UNLESS APPROVAL FROM REGIONAL COUNCIL WAS OBTAINED FOR THE WORKS, WHERE A MINIMUM TWO MONTH LEAD TIME IS REQUIRED, AS PER REGIONAL POLICY W30-12.
- WORK OPERATIONS THAT REQUIRE DIVERTING TRAFFIC TO ONE LANE ARE SUBJECT TO TIME RESTRICTIONS AND/OR NIGHT TIME OPERATIONS AS SPECIFIED IN ROAD OCCUPANCY PERMIT. THROUGH LANES MUST BE MINIMUM 3.5m, UNLESS OTHERWISE APPROVED.
- FOR TEMPORARY DELINEATION OF TRAFFIC IN OPPOSITE DIRECTIONS A YELLOW CENTRE LINE ON PAVEMENT MUST BE PAINTED. TRAFFIC CONTROL BARRELS (CONES) ARE NOT PERMITTED FOR THIS USE ON REGIONAL ROADS.
- NEW JERSEY BARRIERS (NJB) WITH CRASH ATTENUATION DEVICES MUST BE USED ON LONG TERM PROJECTS AS OPPOSED TO TRAFFIC CONTROL DELINEATORS (BARRELS).
- ACCESS TO EXISTING ENTRANCES AND SIDE STREETS, INCLUDING PEDESTRIAN ACCESS, SHALL BE MAINTAINED. ACCESS REQUIREMENTS MUST COMPLY WITH REGION OF PEEL CONTROLLED ACCESS BY-LAW.
- LOCATION OF EXISTING UTILITIES TO BE ESTABLISHED BY THE CONTRACTOR. ALL EXISTING UTILITY ELEVATIONS (SANITARY AND WATERMAIN) INCLUDING CENTRE LINE OF THE ROAD ELEVATIONS HAVE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCING ANY WORK ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE REGION IMMEDIATELY.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATING, SUPPORTING AND PROTECTING 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.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITY AUTHORITY PRIOR TO CROSSING SUCH UTILITIES FOR THE PURPOSE OF INSPECTION. THIS INSPECTION WILL BE FOR THE DURATION OF CONSTRUCTION WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTIONS.
- ALL ROAD BASE SHALL BE AS PER REGION OF PEEL STD. DWG. 5-1-1 AND 5-1-2.
- ASPHALT PRESERVATIVE SEALER SUCH AS RE-CLIMATE OR APPROVED EQUIVALENT SHALL BE APPLIED AFTER THE ONE-YEAR MAINTENANCE PERIOD FOR THE TOP COURSE ASPHALT.
- ALL EXISTING PAVEMENTS, CURBS, SIDEWALKS AND BOULEVARDS, AND OTHER AREAS DISTURBED BY THE WORK, TO BE REINSTATED EQUAL TO EXISTING AND TO THE SATISFACTION OF APPLICABLE AUTHORITY HAVING JURISDICTION OVER THE ROAD ALLOWANCE. EXISTING PAVEMENT AND CURBS TO BE SAW-CUT TO PROVIDE A SMOOTH JOINT.
- EROSION CONTROL MEASURES TO BE IMPLEMENTED AS REQUIRED.
- FOR ROAD PROJECTS THAT WILL NOT BE COMPLETED PRIOR TO THE END OF THE CONSTRUCTION SEASON, THE FOLLOWING WILL NEED TO BE CONSIDERED IN ORDER TO WINTERIZE THE CONSTRUCTION PROJECT TO ENSURE SAFE CONDITIONS DURING WINTER:
 - WHERE APPLICABLE, CURB AND GUTTER SECTIONS ARE TO BE COMPLETED, THE BASE COURSE ASPHALT SHALL BE IN PLACE.
 - CATCH BASINS AND MAINTENANCE HOLES SET TO EXISTING BASE GRADE.
 - STEEL PLATING NOT PERMITTED.
 - HOT MIX ASPHALT (HMA) ONLY.
 - LANE DELINEATION AND PAVEMENT MARKING COMPLETED.
 - WHERE NEW JERSEY BARRIERS USED, OFFSET NO LESS THAN 4.25m FROM EDGE OF TRAVELED LANE.
 - ROAD AND BOULEVARD MUST BE FREE OF OBSTRUCTIONS AND ACCOMMODATE SAFE SNOW PLOW OPERATION CONSIDERING THAT A WING AND PLOW IS 6m WIDE AND 1.52m SNOW STORAGE MINIMUM REQUIRED.
 - ALL CATCH BASIN GRATES SHALL BE SIDE INLET, OPSD 400.081 (LATEST VERSION) UNLESS OTHERWISE NOTED.
 - WINTER SHUT-DOWN MEETINGS WITH THE REGION OF PEEL ROAD MAINTENANCE STAFF ARE REQUIRED PRIOR TO SEASONAL SHUT-DOWN AND SHALL BE ORGANIZED BY THE CONSULTANT OR PROJECT MANAGER OR DESIGNATE.

TRAFFIC SIGNS AND SIGNALS ON REGIONAL ROADS:

- ALL REQUIRED TRAFFIC SIGNS, WHETHER REGULATORY, WARNING, TEMPORARY OR GUIDE/DIRECTIONAL IN NATURE SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFICATIONS AND LEGISLATION CONTAINED IN THE OTM MANUALS, THE HTA AND REGION OF PEEL TRAFFIC BY-LAW.
- ELECTRICAL WORKS SHALL CONFORM TO THE ONTARIO PROVINCIAL STANDARD DRAWINGS AND REGION OF PEEL STANDARD DRAWINGS AND SPECIFICATIONS.
- TRAFFIC CONTROLLERS MUST BE INSTALLED AS PER APPROVED LOCATIONS. EQUIPMENT MUST NOT ENCRoACH ON PRIVATE PROPERTY WITHOUT PERMISSION TO ENTER, EASEMENT, PERMANENT OR TEMPORARY UNDERTAKINGS.

GENERAL REFERENCES FOR DRAWINGS: REGION OF PEEL STANDARD DRAWINGS DELETED - NOVEMBER 2011 REVISION AND APRIL 2014 REVISION			
DRAWING NUMBER	DRAWING TITLE	DATE	REPLACED WITH NEW REGION OF PEEL STANDARD DRAWING
1-5-1	CIRCULAR PRECAST CHAMBER	MAY 2009	1-5-1-1-7
1-5-2	SMALL CAST-IN-PLACE CHAMBER	MAY 2009	1-5-2
1-5-3	2000mm DIA. MAN. VALVE AND CHAMBER (CAST-ALPHACE)	MAY 2009	1-5-3-1-1-2 TO 1-5-3-1-1-4
1-5-4	RECTANGULAR PRECAST CHAMBER	MAY 2009	1-5-4
1-5-5	STANDARD HEAVY DUTY FRAME AND COVER	MAY 2009	1-5-5-1-1-1
1-5-6	STANDARD CHAMBER STEPS ALUMINUM	MAY 2009	401.020
1-5-7	REPAIRING OF 300mm DIAMETER AND SMALLER P.V.C. WATERMAIN AT IN-LINE VALVE	NOV. 2011	405.020
1-5-8	MAN. VALVE AND CHAMBER	APRIL 2009	1-5-8-1-1-1, 1-5-8-1-1-3, 1-5-8-1-1-4
1-5-9	DRAIN VALVE AND CHAMBER	MAY 2009	1-5-9-1-1-1, 1-5-9-1-1-2, 1-5-9-1-1-3, 1-5-9-1-1-4
1-5-10	VALVE SETTING FOR 450mm TO 600mm PIPE	MAY 2009	1-5-10-1-1-1 TO 1-5-10-1-1-3
1-5-11	PRESSURE ZONE BOUNDARY VALVE	MAY 2009	1-5-11-1-1-1
1-5-12	WATERMAIN SUPPORT BRACING DISTURBED GROUND	MAY 2009	N/A - As Per Consultant Design
1-5-13	CONCRETE THRUST COLLAR	MAY 2009	N/A - As Per Consultant Design
1-5-14	CHAMBER OUTLET 100mm AND LARGER	MAY 2009	1-5-14
1-5-15	TYPICAL LINE VALVE CHAMBER FOR 600mm TO 1200mm VALVE	NOV. 2011	1-5-15-1-1, 1-5-15-1-2
1-5-16	300mm DIA. VALVE CHAMBER FOR 600mm TO 1200mm VALVE	NOV. 2011	1-5-16-1-1, 1-5-16-1-2

ONTARIO PROVINCIAL STANDARD DRAWING REFERENCES TO BE READ IN CONJUNCTION WITH REGION OF PEEL STANDARD DRAWINGS - NOVEMBER 2011 REVISION AND APRIL 2014 REVISION	
DRAWING NUMBER	DRAWING TITLE
401.030	EAST IRON SQUARE FRAME WITH CIRCULAR WATERTIGHT COVER FOR MAINTENANCE HOLES
401.031	CAST IRON RECTANGULAR FRAME WITH TWO PRECAST COVERS FOR MAN. VALVE CHAMBERS
401.032	ALUMINUM SAFETY PLATFORM FOR CIRCULAR MAINTENANCE HOLES
401.033	ALUMINUM SAFETY PLATFORM FOR 1800mm CIRCULAR MAINTENANCE HOLES WITH GRASP PIPES
401.034	MAINTENANCE HOLE STEPS
401.035	ALUMINUM LADDER FOR MAINTENANCE HOLES
401.036	PRECAST CONCRETE ADJUSTMENT UNITS FOR MAINTENANCE HOLES, CATCH BASINS AND VALVE CHAMBERS
1-101.019	PRECAST CONCRETE VALVE CHAMBER WITH POUR-IN-PLACE THRUST BLOCKS 2400 x 3000mm CHIMNEY AND CAP
1-101.020	VALVE OPERATOR
1-101.021	CATHODIC PROTECTION FOR METALLIC WATERMAIN SYSTEMS

THIS SET INCLUDES CROSS-REFERENCES THAT APPLY DIRECTLY TO THE NEW AND REVISED REGION OF PEEL STANDARD DRAWINGS, BUT IT DOES NOT PRECLUDE THE APPROVED USE OF ANY APPLICABLE CROSS-REFERENCES NOT LISTED ABOVE.

GENERAL NOTES FOR PRECAST CONCRETE CHAMBERS:	
1. ALL PRECAST CHAMBERS TO BE SUPPLIED BY A MANUFACTURER CERTIFIED UNDER THE OCPA PLANT PREQUALIFICATION PROGRAM.	
2. SUBMIT SHOP DRAWINGS TO THE CONTRACT ADMINISTRATOR FOR INFORMATION. ALL DRAWINGS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED TO PRACTISE IN ONTARIO.	
3. THE MANUFACTURER SHALL PROVIDE LETTERS SIGNED BY A PROFESSIONAL ENGINEER CERTIFYING THE FOLLOWING: <ol style="list-style-type: none">THAT THE DESIGN OF THE PRECAST UNITS MEETS THE REQUIREMENTS OF THE SPECIFICATIONSTHAT THE PRECAST UNITS HAVE BEEN MANUFACTURED AS PER DESIGN AND INSPECTED IN ACCORDANCE WITH THE PLANT PREQUALIFICATION PROGRAM	
4. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CSA G30.18 WITH A MINIMUM YIELD STRENGTH OF Fy=400 MPa.	
5. REFER TO STANDARD DRAWING 1-5-1, 1-5-1-1-1, 1-5-1-1-2, 1-5-1-1-3, 1-5-1-1-4, 1-5-1-1-5, 1-5-1-1-6 AND 1-5-1-1-7 AND ONTARIO PROVINCIAL STANDARD DRAWINGS FOR CHAMBER DETAILS PERTAINING TO WATERPROOFING, JOINT SEALING, ADJUSTMENT UNITS, FRAME & COVERS, CHAMBER STEPS AND LADDERS, INSULATION, FROST STRIPS, VALVE STEM EXTENSION AND BRACKETS, SADDLES, VALVE AND PIPE SUPPORTS.	
7. ALL PRECAST COMPONENTS SHALL BE DESIGNED AND MANUFACTURED TO CSA STANDARD A23.3 AND CSA STANDARD A23.4. FURTHER, ALL LOCAL STANDARD SPECIFICATIONS, INCLUDING ACCESS HATCHES AND TOP SLABS, SHALL ALSO MEET THE REQUIREMENTS OF CSA STANDARD S8 (CANADIAN HIGHWAY BRIDGE CODES).	

GENERAL NOTES FOR PIPING:	
1. MECHANICAL THRUST RESTRAINT DESIGN AND SPACING SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED TO PRACTISE IN ONTARIO.	
2. SUBMIT PRECAST PRESSURE PIPE SHOP DRAWINGS TO THE CONTRACT ADMINISTRATOR FOR INFORMATION. ALL DRAWINGS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED TO PRACTISE IN ONTARIO.	
3. ALL PIPING, FITTINGS, VALVES, APPURTENANCES AND MECHANICAL RESTRAINTS TO BE 200 DENSO PASTE, DENSO MASTIC AND DENSO TAPE OR APPROVED EQUAL, APPLIED TO MANUFACTURER'S RECOMMENDATIONS.	

Region of Peel working with you		PUBLIC WORKS STANDARD DRAWING		REV. DATE: APRIL 2014	
		APPROVED BY: A.P.	DRAWN BY: ARLEY GROUP		
		STD. DWG. NUMBER 1-1-0	SCALE N.T.S.		

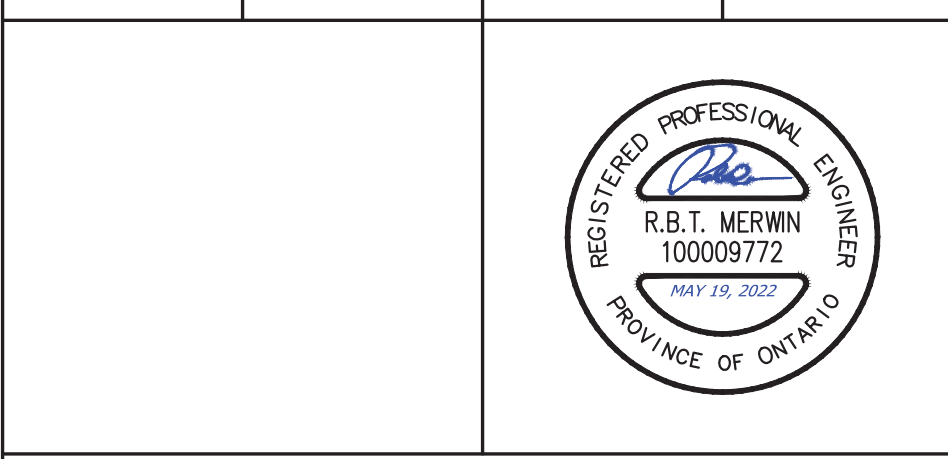
GENERAL NOTES AND REFERENCES	
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BENCHMARK NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF MISSISSAUGA VERTICAL BENCH MARK NUMBER 1001 HAVING AN ORTHOMETRIC ELEVATION OF 123.221 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, PRE-1978 ADJUSTMENT (CGVD-1928/PRE-78AD.).

TABLET SET HORIZONTALLY AT THE BASE OF A 750mm CONCRETE TRAFFIC POLE ON THE SOUTH SIDE OF HILLCREST AVENUE, WEST OF CENTERLINE OF THE EASTERLY GO STATION ENTRANCE.

<input type="checkbox"/> FIRST DATE APR. 22, 2022	<input type="checkbox"/> SECOND DATE *****	<input type="checkbox"/> THIRD DATE *****	<input type="checkbox"/> FORTH DATE *****
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MISSISSAUGA

GENERAL NOTES

REGION FILE No. #####		CITY FILE No. #####	
SCALE:	N/A	AREA: XXXXX	PROJECT No. 20-252
DRAWN BY:	M.J.M	CHECKED BY:	R.B.T.M
DATE:	APRIL 2022	SHEET	OF
		ENGINEERING & FIGURES	COVER & NOTES



SUBSURFACE UTILITY PLAN OF
33 HILLCREST AVE
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEI

ONSITE LOCATES INC.
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SCALE 1 : 300

METRIC

UTM ZONE 17, NAD83 (CSRS) (2010.0)

NOTE:

BOUNDARIES SHOWN HEREON HAVE BEEN COMPILED FROM RECORDS PROVIDED BY THE CLIENT AND HAVE NOT BEEN VERIFIED BY FIELD SURVEY.

LEGEND

SEWER INVERT NOTE:

UNDERGROUND UTILITY NOTES

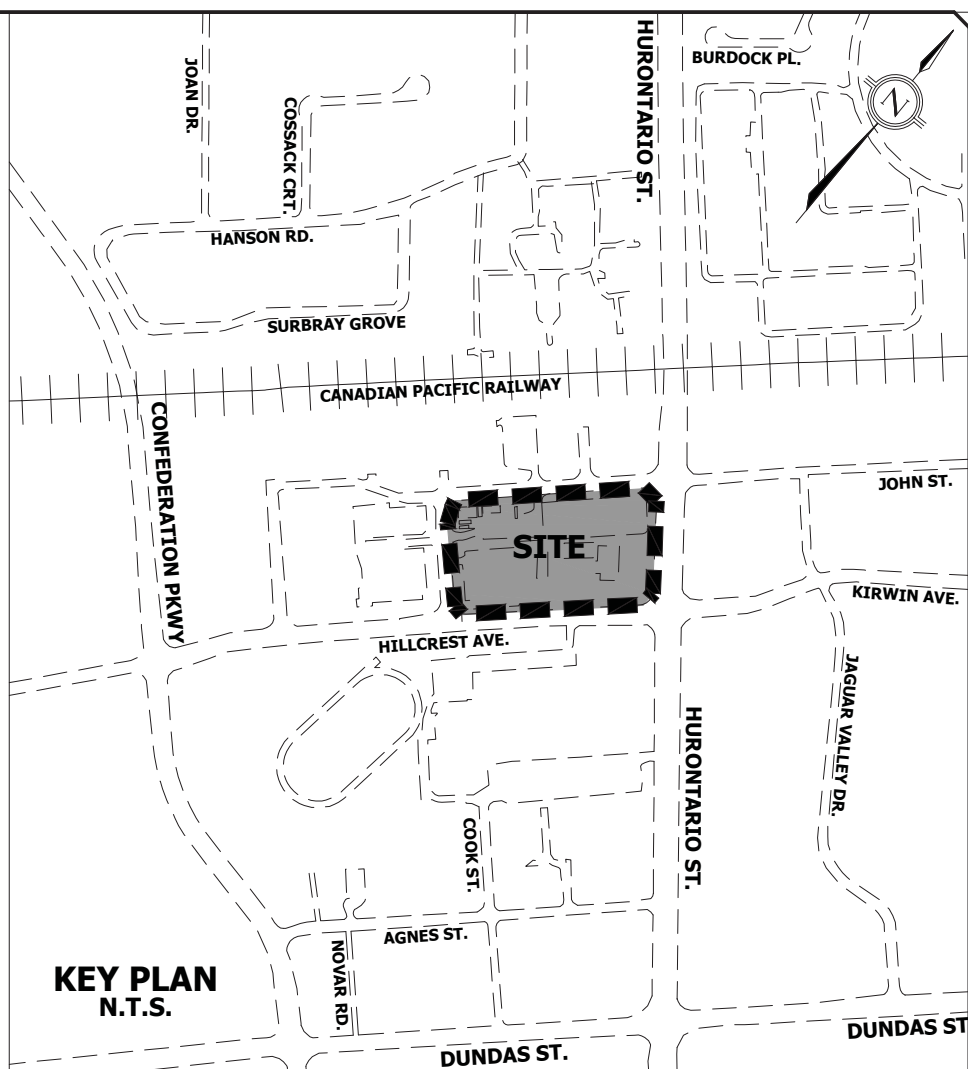
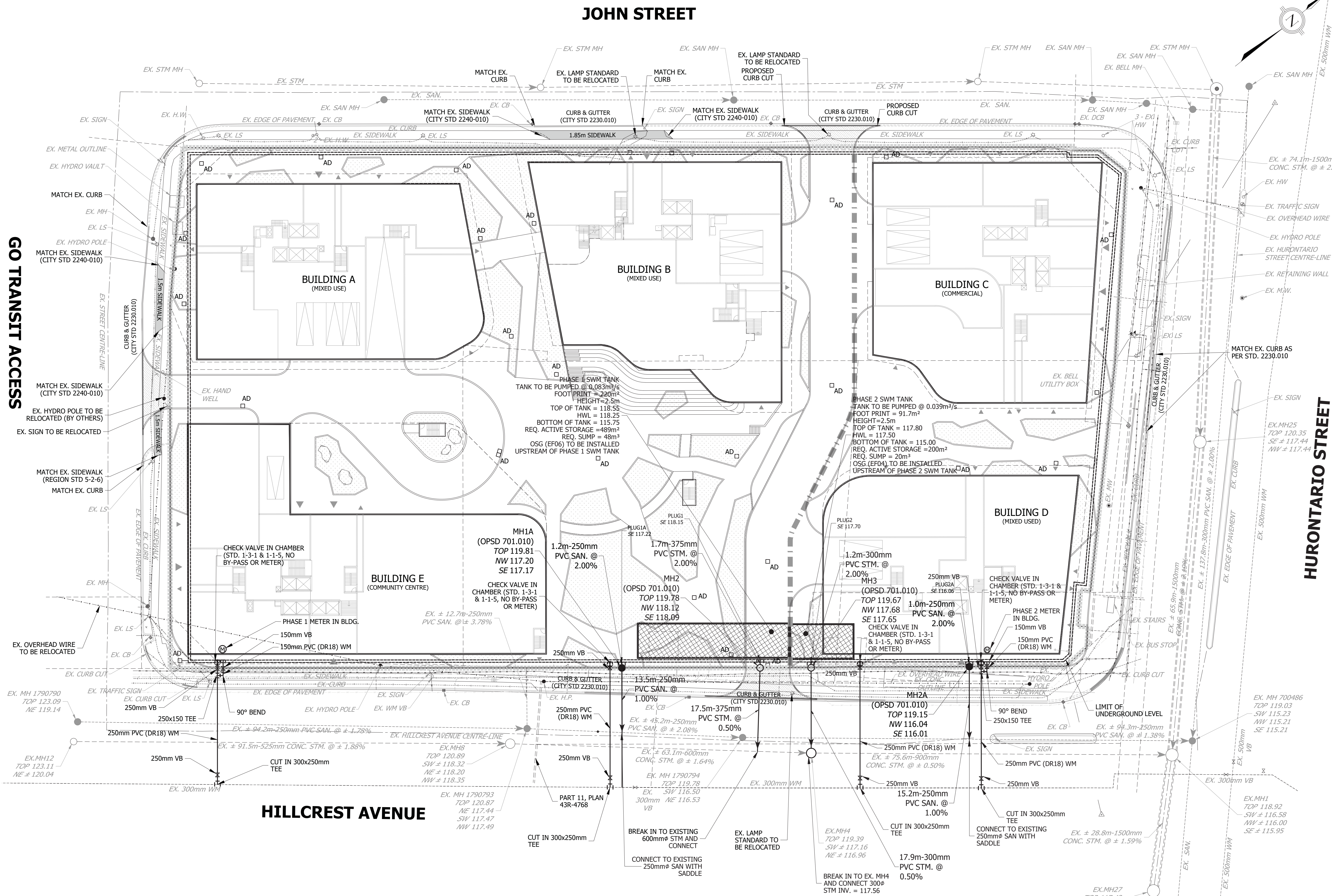
DATA QUALITY LEVEL

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UTILITY LOCATES SERVICES
A wholly owned subsidiary of J.D. Barnes Ltd.

140 RIVERVIEW DRIVE, SUITE 104, MARKHAM, ON L3R 0A3
T: 1-800-805-6155
www.onsite-locates.ca

DRAWN BY: SC CHECKED BY: MC REFERENCE NO: 22-46-32563
FILE: G:\22-46-32563\10-Chen\22-46-32563.dgn DATED: 05/03/2022
PLOTTED: 5/5/2022



- LEGEND**
- STORM SEWER AND MANHOLE
 - SANITARY SEWER AND MANHOLE
 - EXISTING STORM SEWER AND MANHOLE
 - EXISTING SANITARY SEWER AND MANHOLE
 - SINGLE/REARLOT AREA DRAIN
 - DOUBLE AREA DRAIN
 - EXISTING SINGLE/AREADRAIN
 - EXISTING DOUBLE CATCHBASIN/AREA DRAIN
 - HYDRANT & VALVE
 - VALVE AND BOX
 - CHECK VALVE IN CHAMBER
 - METER
 - STREET LIGHT
 - TRANSFORMER
 - EXISTING OVERHEAD HYDRO
 - EXISTING UNDERGROUND HYDRO
 - EXISTING UNDERGROUND BELL TELEPHONE
 - EXISTING UNDERGROUND CABLE (TV)
 - EXISTING GASMAIN
 - LIMIT OF PROPERTY
 - LIMIT OF UNDERGROUND GARAGE

BENCHMARK NOTE
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF MISSISSAUGA VERTICAL BENCH MARK NUMBER 1001 HAVING AN ORTHOMETRIC ELEVATION OF 123.221 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, PRE-1978 ADJUSTMENT (CGVD:1928/1978-78AD).
TABLET SET HORIZONTALLY AT THE BASE OF A 750MM CONCRETE TRAFFIC POLE ON THE SOUTH SIDE OF HILLCREST AVENUE, WEST OF CENTERLINE OF THE EASTERLY GO STATION ENTRANCE.

1 APR. 22, 2022 ISSUED FOR REZONING			
<input type="checkbox"/> FIRST DATE APR. 22, 2022	<input type="checkbox"/> SECOND DATE	<input type="checkbox"/> THIRD DATE	<input type="checkbox"/> FORTH DATE



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MISSISSAUGA, ONTARIO

Region of Peel
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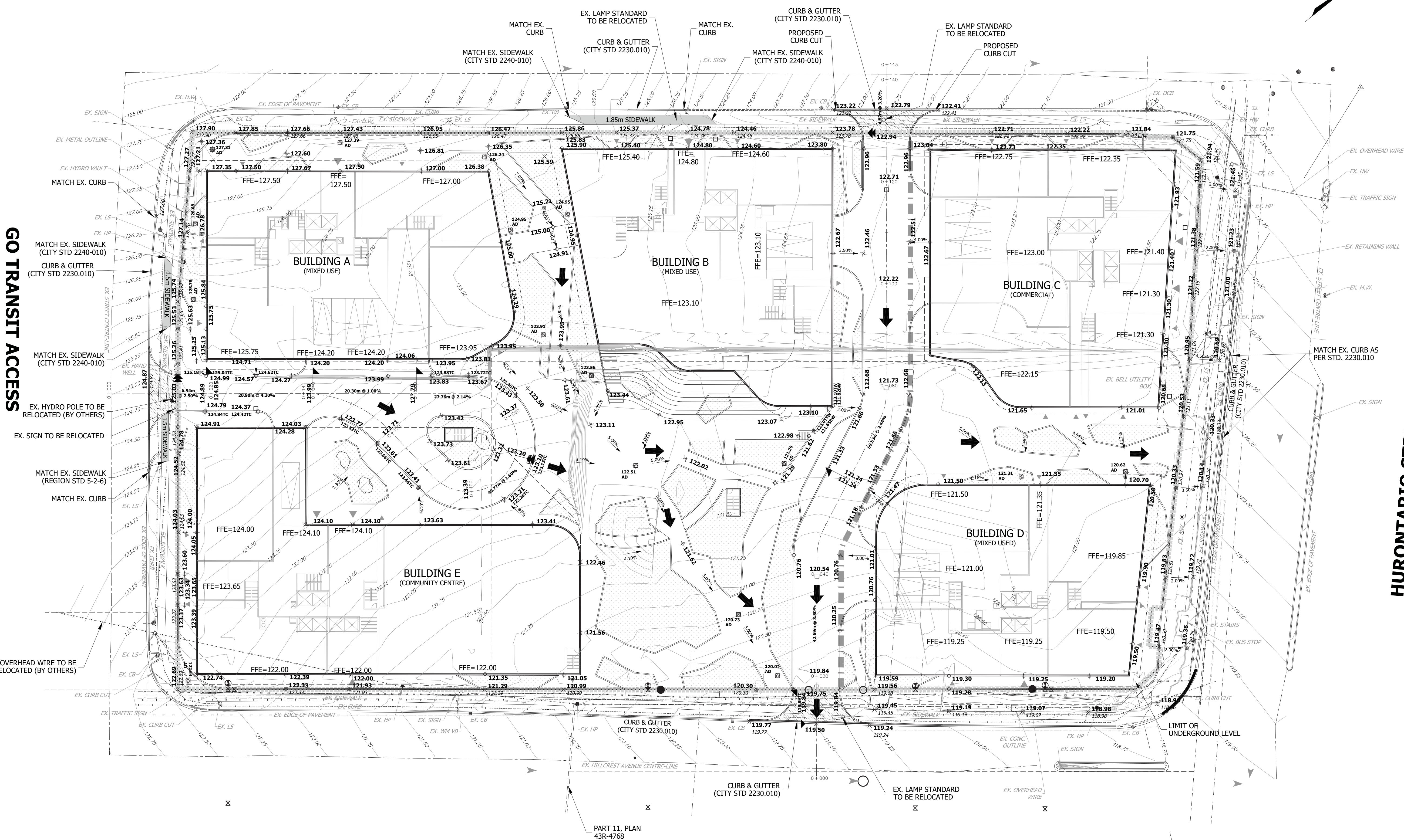
MISSISSAUGA

SERVICING PLAN

REGION FILE No. #####	CITY FILE No. #####
SCALE: 1:400	AREA: XXXXX PROJECT No. 20-252
DRAWN BY: M.J.M.	CHECKED BY: R.B.T.M. PLAN No. 101
DATE: APRIL 2022	SHEET OF C-

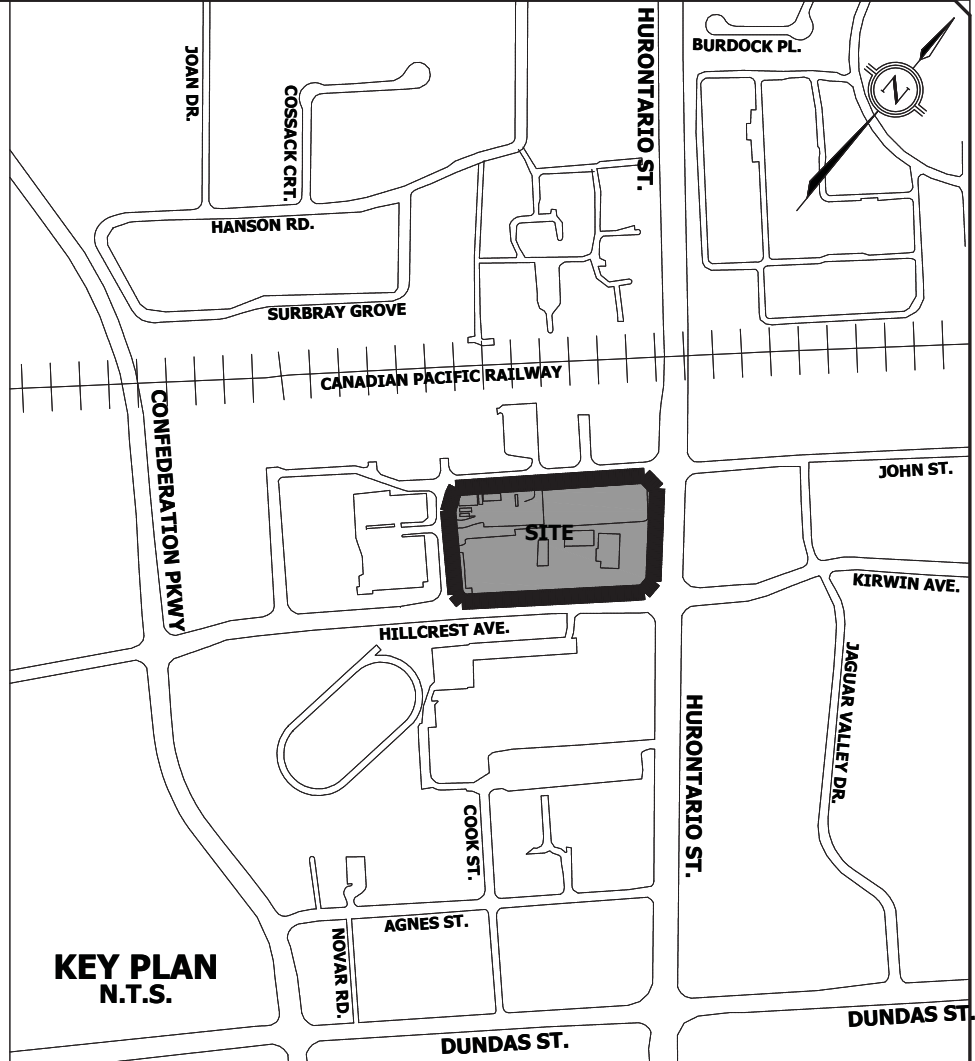
JOHN STREET

GO TRANSIT ACCESS



HILLCREST AVENUE

HURONTARIO STREET



LEGEND	
126.00	EXISTING CONTOUR AND ELEVATION
126.00	EXISTING ELEVATION
126.00	PROPOSED ELEVATION
126.00	FUTURE ELEVATION
126.00 TC/BC	TOP/BOTTOM OF CURB ELEVATION
125.68	PROPOSED/EXISTING ELEVATION
125.68	PROPOSED SWALE
125.68	MAXIMUM 3:1 SLOPE (UNLESS OTHERWISE NOTED)
125.68	PROPOSED OVERLAND FLOW DIRECTION
125.68	EXISTING OVERLAND FLOW DIRECTION
125.68	PROPOSED ENTRANCE (T-350.01)
125.68	TREE PRESERVATION FENCE - SNOW FENCE (REFER TO DETAIL 219.130-1 DWG. 1002)
125.68	TREE PRESERVATION FENCE - SOLID HOARDING (REFER TO DETAIL TP-1 DWG. 1002)
125.68	EXISTING OVERHEAD HYDRO WIRE
125.68	LIMIT OF SUBDIVISION
125.68	PROPOSED UNDERGROUND GARAGE
125.68	EXISTING EASEMENT
125.68	STORM MANHOLE
125.68	SANITARY MANHOLE
125.68	EXISTING STORM MANHOLE
125.68	SINGLE/REARLOT CATCH-BASIN
125.68	DOUBLE CATCH-BASIN
125.68	SILVA CELL DOUBLE CATCH-BASIN
125.68	HYDRANT & VALVE
125.68	VALVE & BOX
125.68	BOREHOLE LOCATION
125.68	STREET LIGHT (T.H.E.S. 30-4220)
125.68	TRANSFORMER (T.H.E.S. 31-5100)
125.68	SWITCHGEAR (T.H.E.S. 31-2120)
125.68	HYDRO VAULT
125.68	TABBOX (T.H.E.S. 31-3120)
125.68	BELL (B) & ROGERS (R) COMMUNICATION SUPPLY BOX
125.68	COMMUNITY MAIL BOX
125.68	ELECTRICAL SERVICE PEDESTAL (REFER TO DETAIL TP-1 DWG. 1002)
125.68	SECTION MARKER (REFER TO DWG. 205)

BENCHMARK NOTE
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF MISSISSAUGA VERTICAL BENCHMARK NUMBER 1001 HAVING AN ORTHOMETRIC ELEVATION OF 123.221 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, PRE-1978 ADJUSTMENT (CGVD:1928-PRE-78AD.).
TABLET SET HORIZONTALLY AT THE BASE OF A 75MM CONCRETE TRAFFIC POLE ON THE SOUTH SIDE OF HILLCREST AVENUE, WEST OF CENTERLINE OF THE EASTERLY GO STATION ENTRANCE.

ISSUED FOR REZONING	
1 APR. 22, 2022	2 APR. 22, 2022
3 APR. 22, 2022	4 APR. 22, 2022

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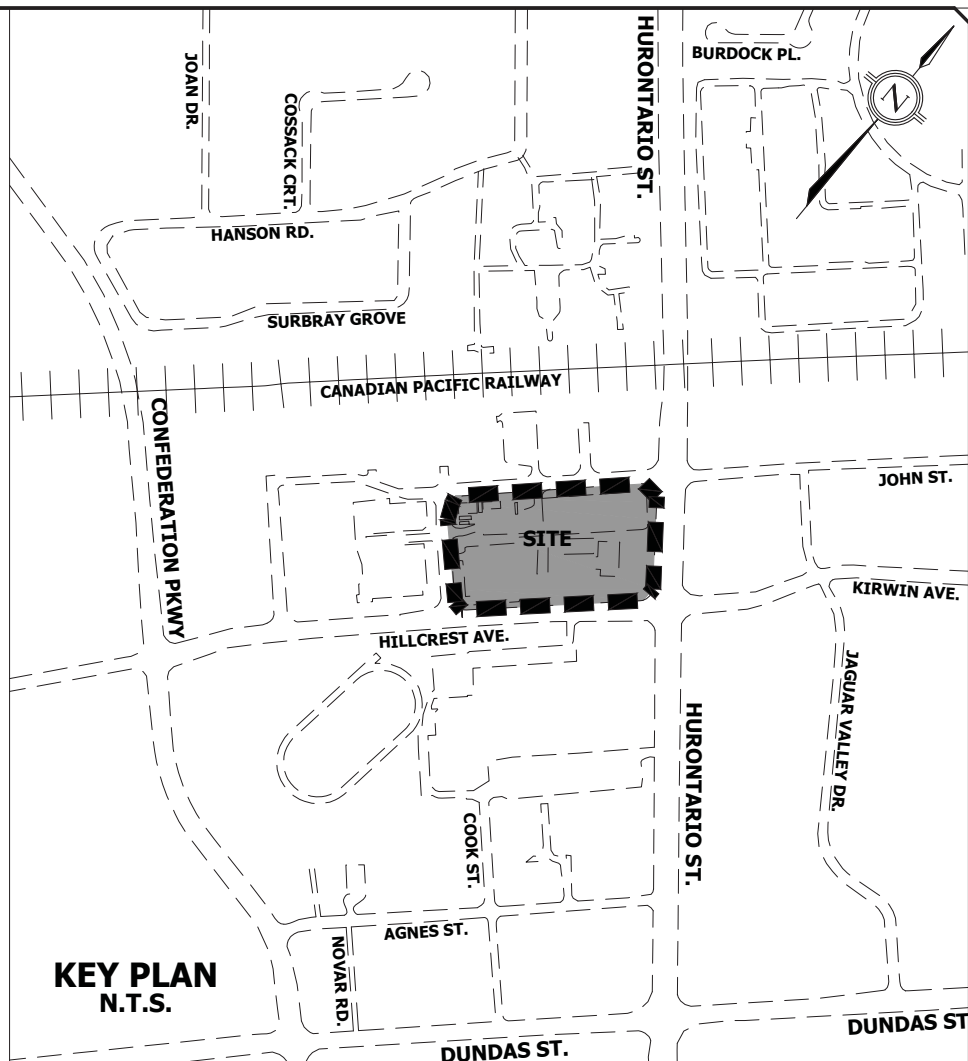
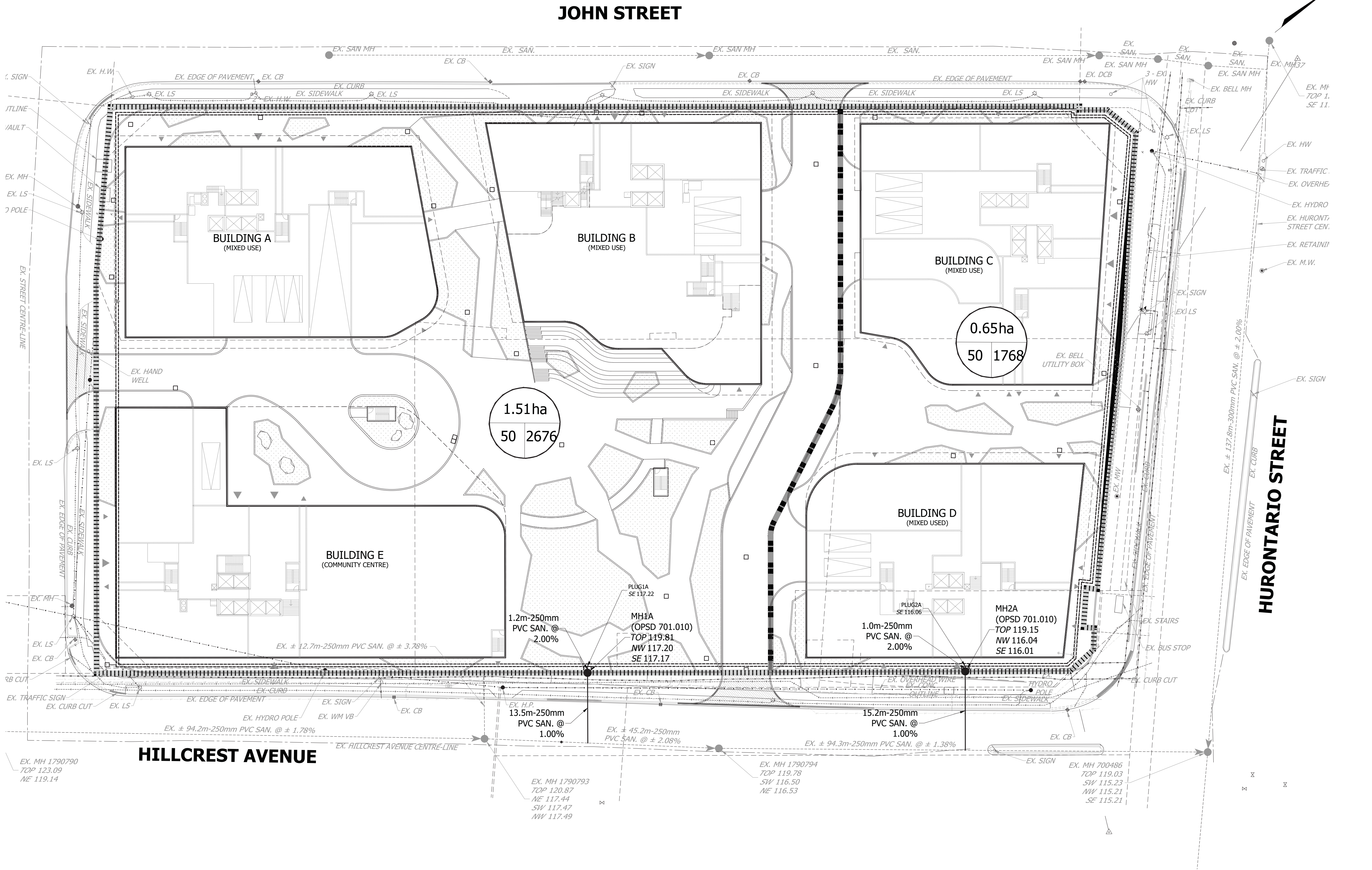
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MISSISSAUGA, ONTARIO

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MISSISSAUGA

GRADING PLAN

REGION FILE No. ####		CITY FILE No. ####	
SCALE: 1:400	AREA: XXXXX	PROJECT No. 20-252	
DRAWN BY: M.J.M.	CHECKED BY: R.B.T.M.	PLAN No. 201	
DATE: APRIL 2022	SHEET OF	C-	



- LEGEND**
- SANITARY SEWER AND MANHOLE
 - EXISTING SANITARY SEWER AND MANHOLE
 - DRAINAGE AREA (Ha.)
 - POPULATION
 - POPULATION PER HECTARE (p/Ha.)
 - EXISTING DRAINAGE AREA (Ha.)
 - POPULATION
 - POPULATION PER Ha (p/Ha.)
 - DRAINAGE AREA BOUNDARY
 - EXISTING DRAINAGE AREA BOUNDARY
 - LIMIT OF SUBDIVISION
 - PROPOSED UNDERGROUND GARAGE

BENCHMARK NOTE
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF MISSISSAUGA VERTICAL BENCH MARK NUMBER 1001 HAVING AN ORTHOMETRIC ELEVATION OF 123.221 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, PRE-1978 ADJUSTMENT (CGVD:1928/78AD.).

TABLET SET HORIZONTALLY AT THE BASE OF A 750MM CONCRETE TRAFFIC POLE ON THE SOUTH SIDE OF HILLCREST AVENUE, WEST OF CENTERLINE OF THE EASTERLY GO STATION ENTRANCE.

ISSUED FOR REZONING			
<input type="checkbox"/> FIRST DATE	<input type="checkbox"/> SECOND DATE	<input type="checkbox"/> THIRD DATE	<input type="checkbox"/> FOURTH DATE
APR. 22, 2022			

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SANITARY PLAN

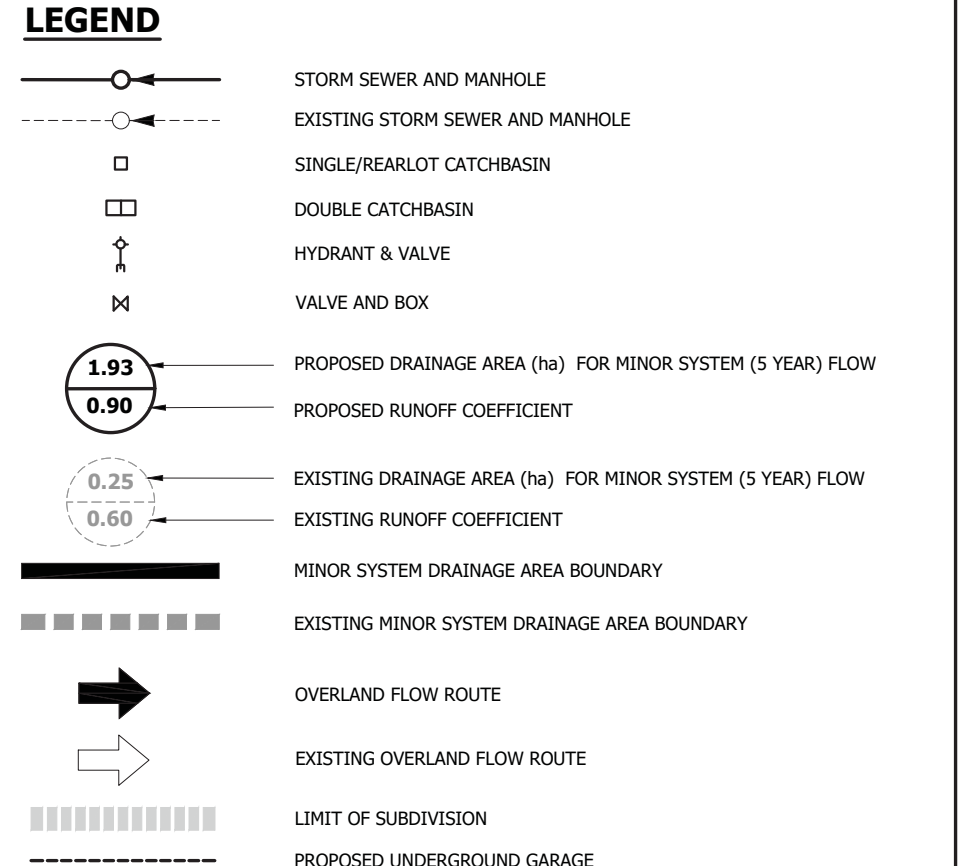
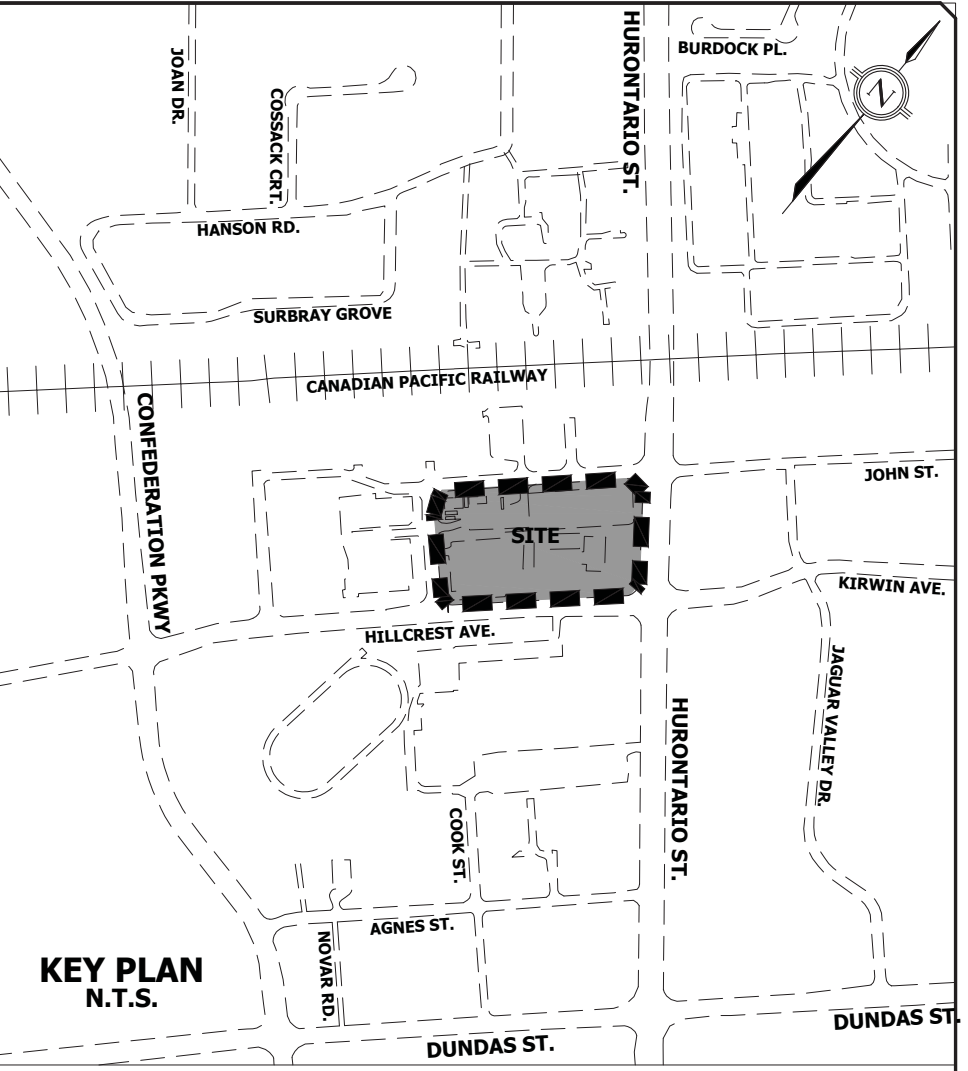
REGION FILE No. #####	CITY FILE No. #####	
SCALE: 1:400	AREA: XXXXX	PROJECT No. 20-252
DRAWN BY: M.J.M.	CHECKED BY: R.B.T.M.	PLAN No. 301
DATE: APRIL 2022	SHEET OF	C-

JOHN STREET

HURONTARIO STREET

HILLCREST AVENUE

GO TRANSIT ACCESS



BENCHMARK NOTE
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF MISSISSAUGA VERTICAL BENCH MARK NUMBER 1001 HAVING AN ORTHOMETRIC ELEVATION OF 123.221 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, PRE-1978 ADJUSTMENT (CGVD:1928/1978-78AD).
TABLET SET HORIZONTALLY AT THE BASE OF A 750MM CONCRETE TRAFFIC POLE ON THE SOUTH SIDE OF HILLCREST AVENUE, WEST OF CENTERLINE OF THE EASTERLY GO STATION ENTRANCE.

1 APR. 22, 2022 ISSUED FOR REZONING			
<input type="checkbox"/> FIRST DATE APR. 22, 2022	<input type="checkbox"/> SECOND DATE	<input type="checkbox"/> THIRD DATE	<input type="checkbox"/> FORTH DATE



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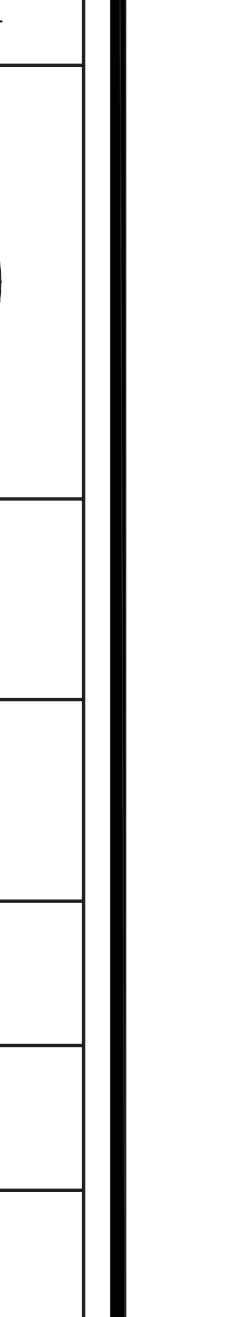
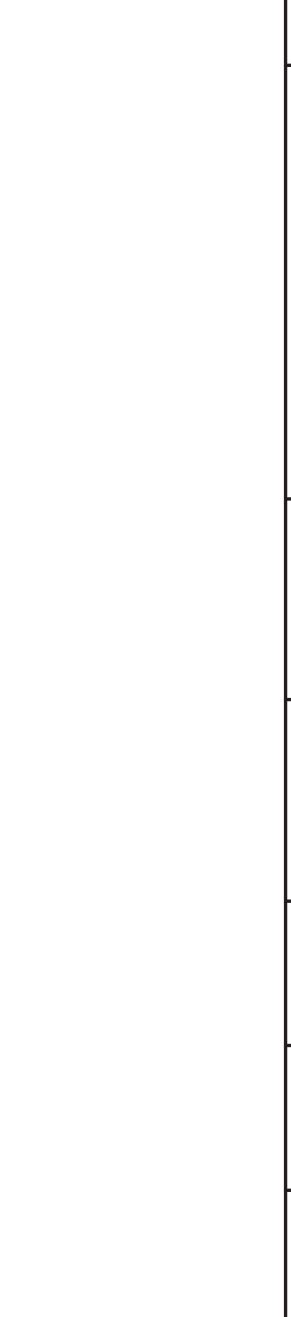
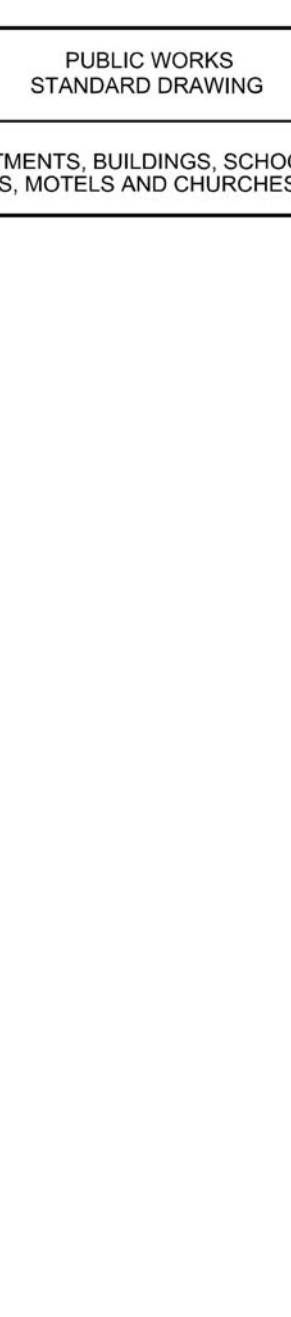
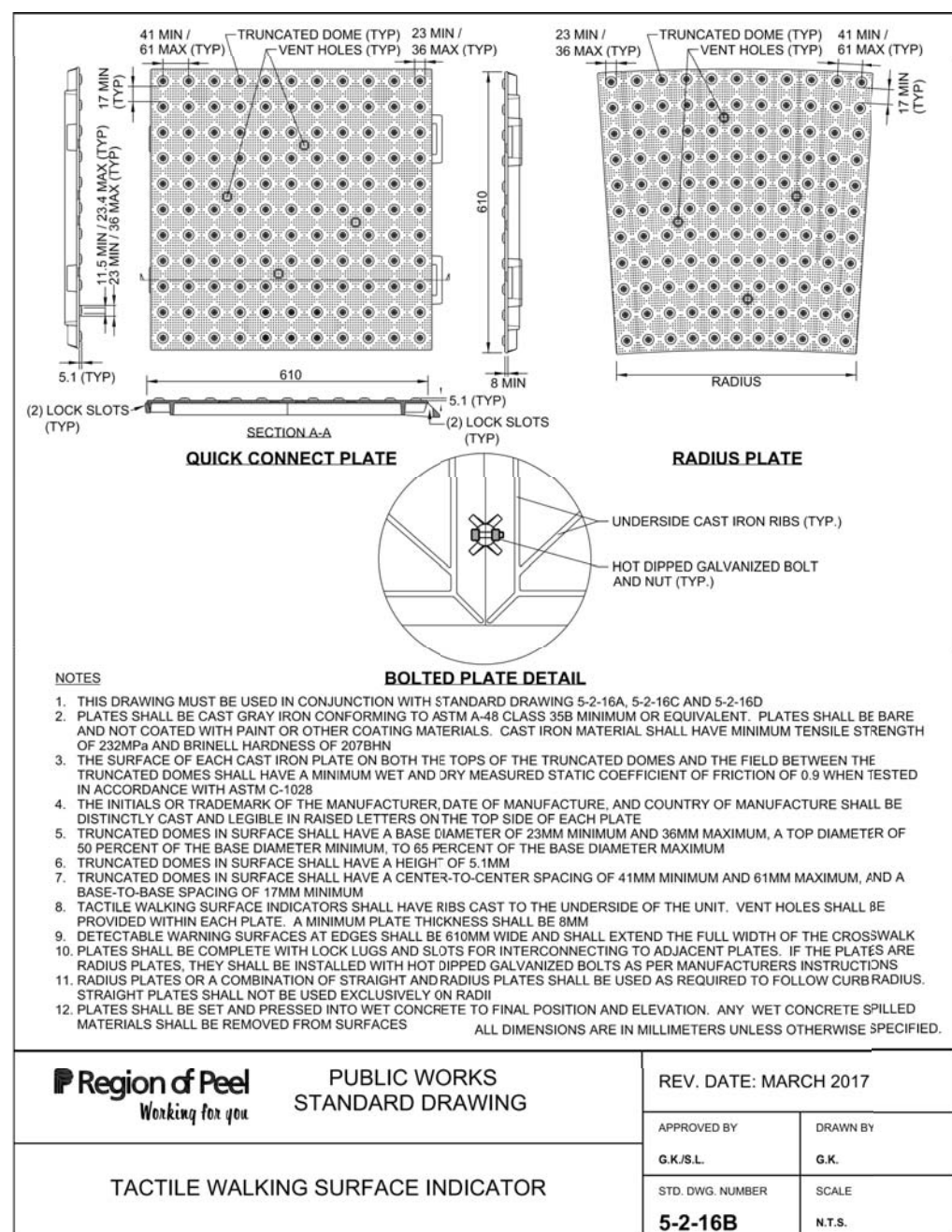
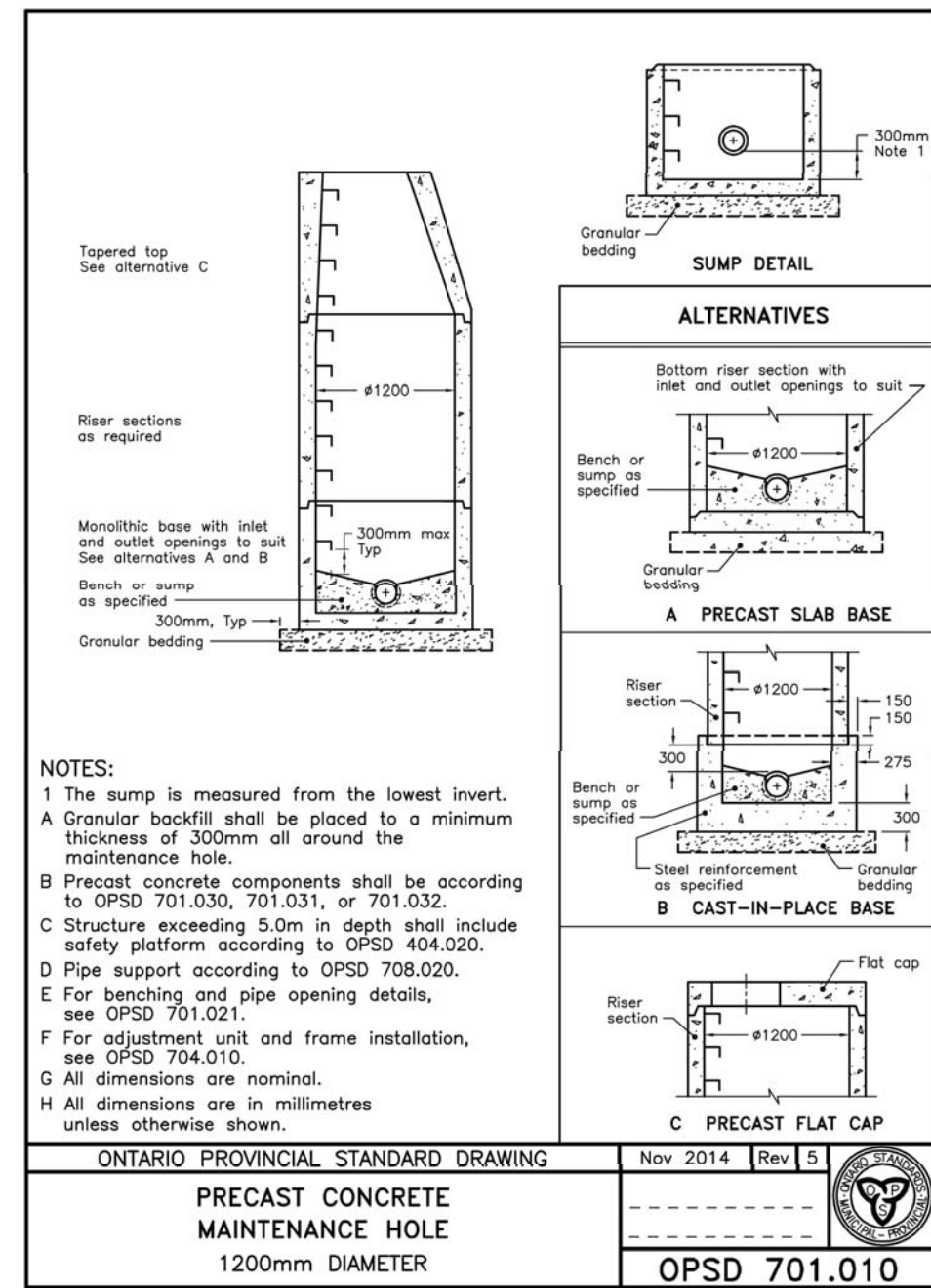
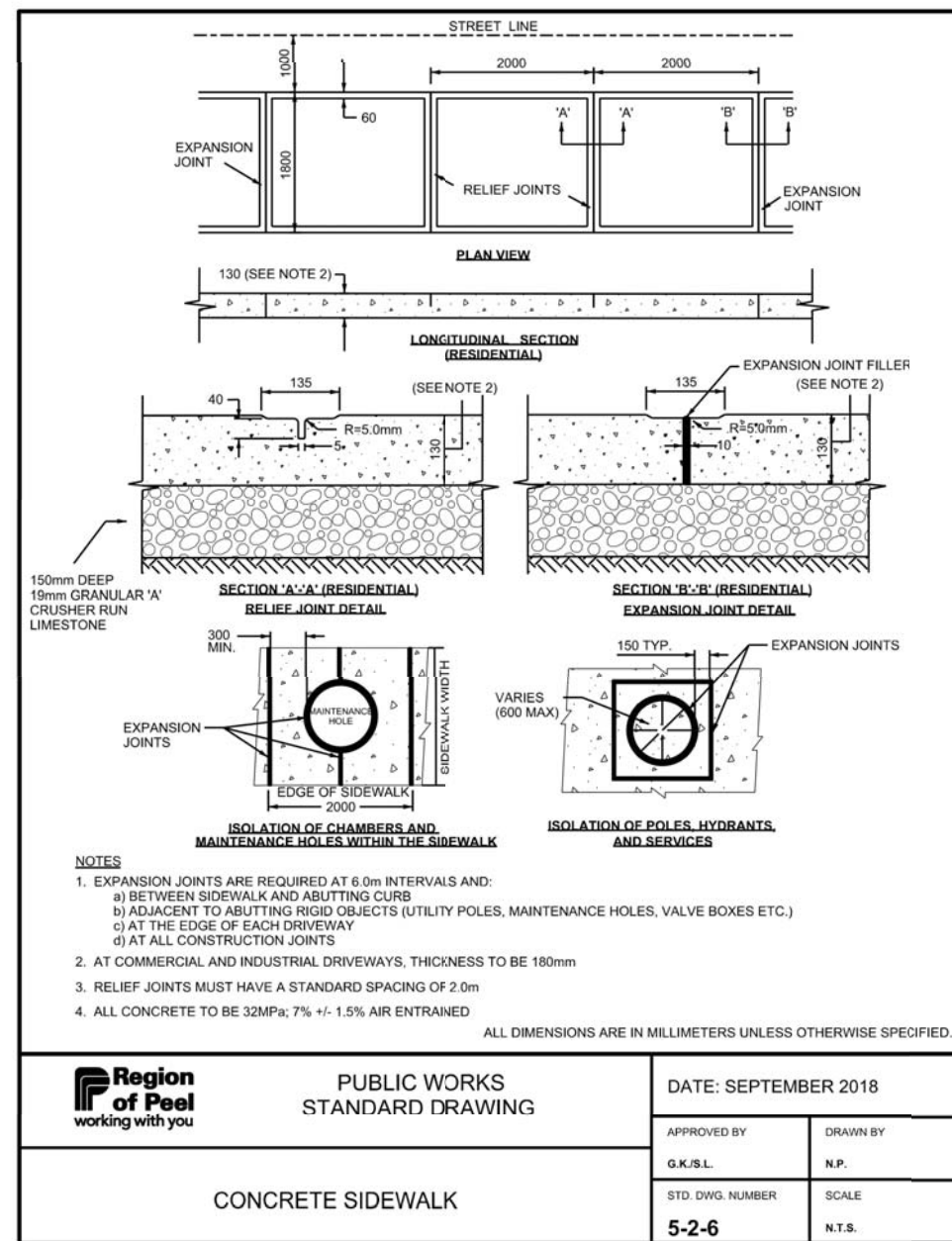
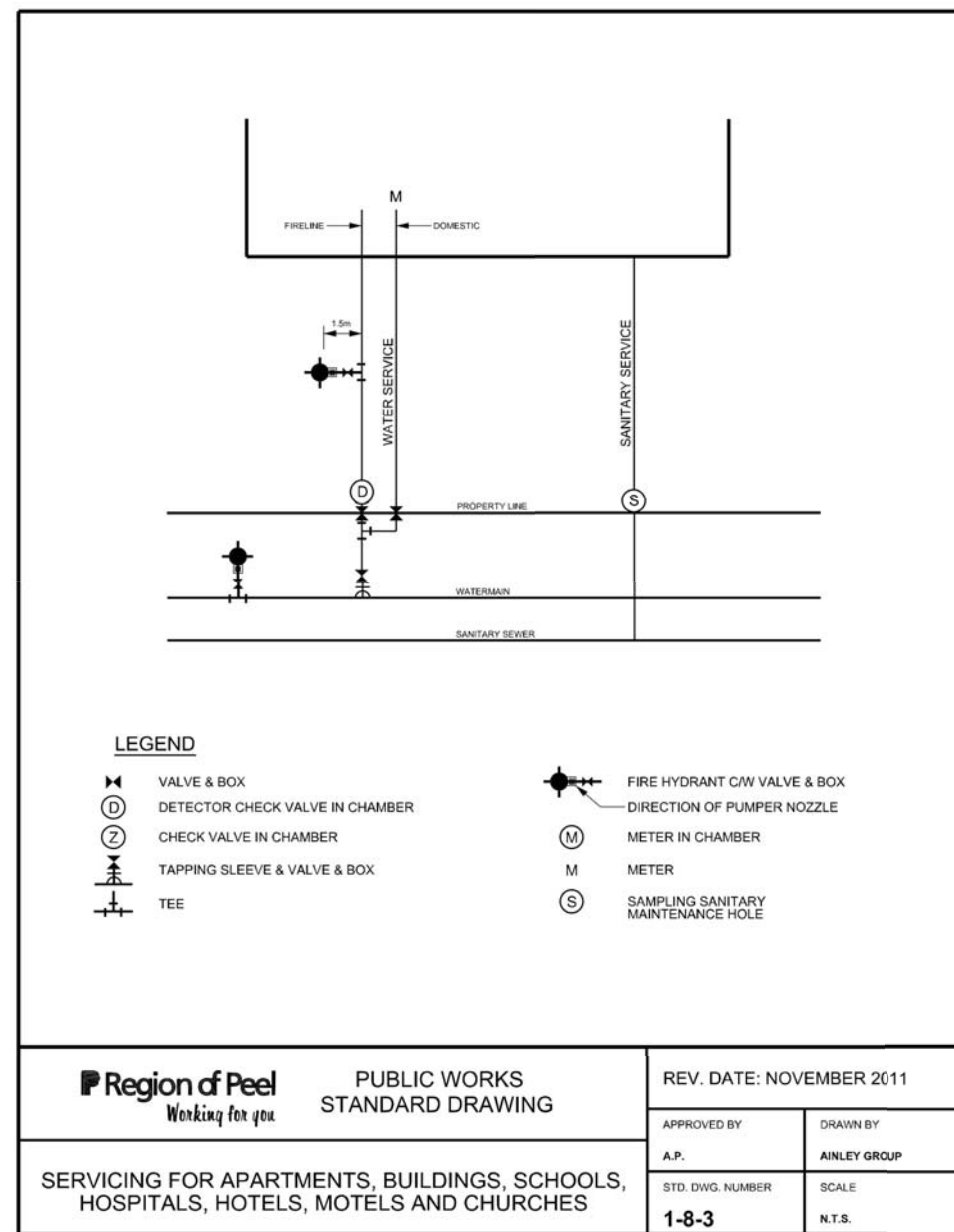
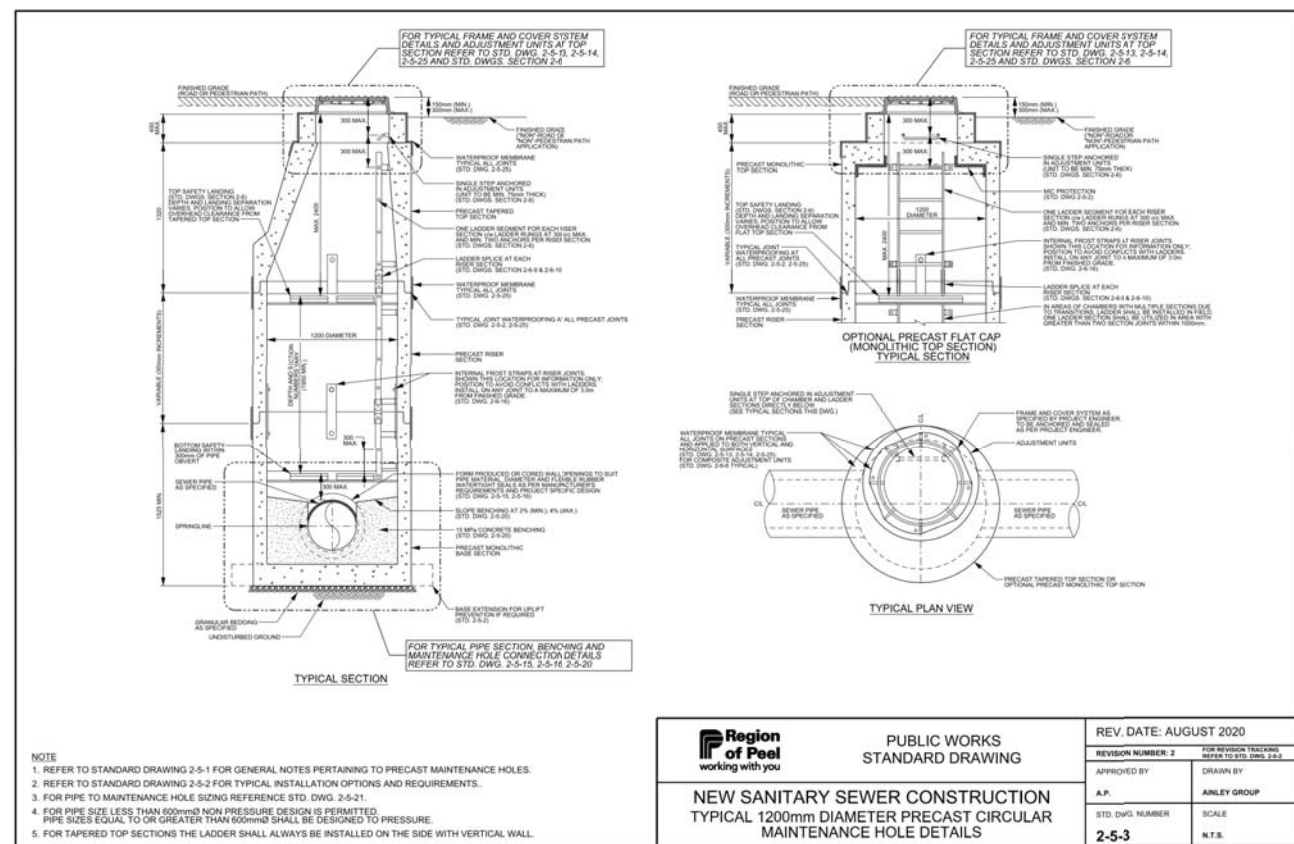
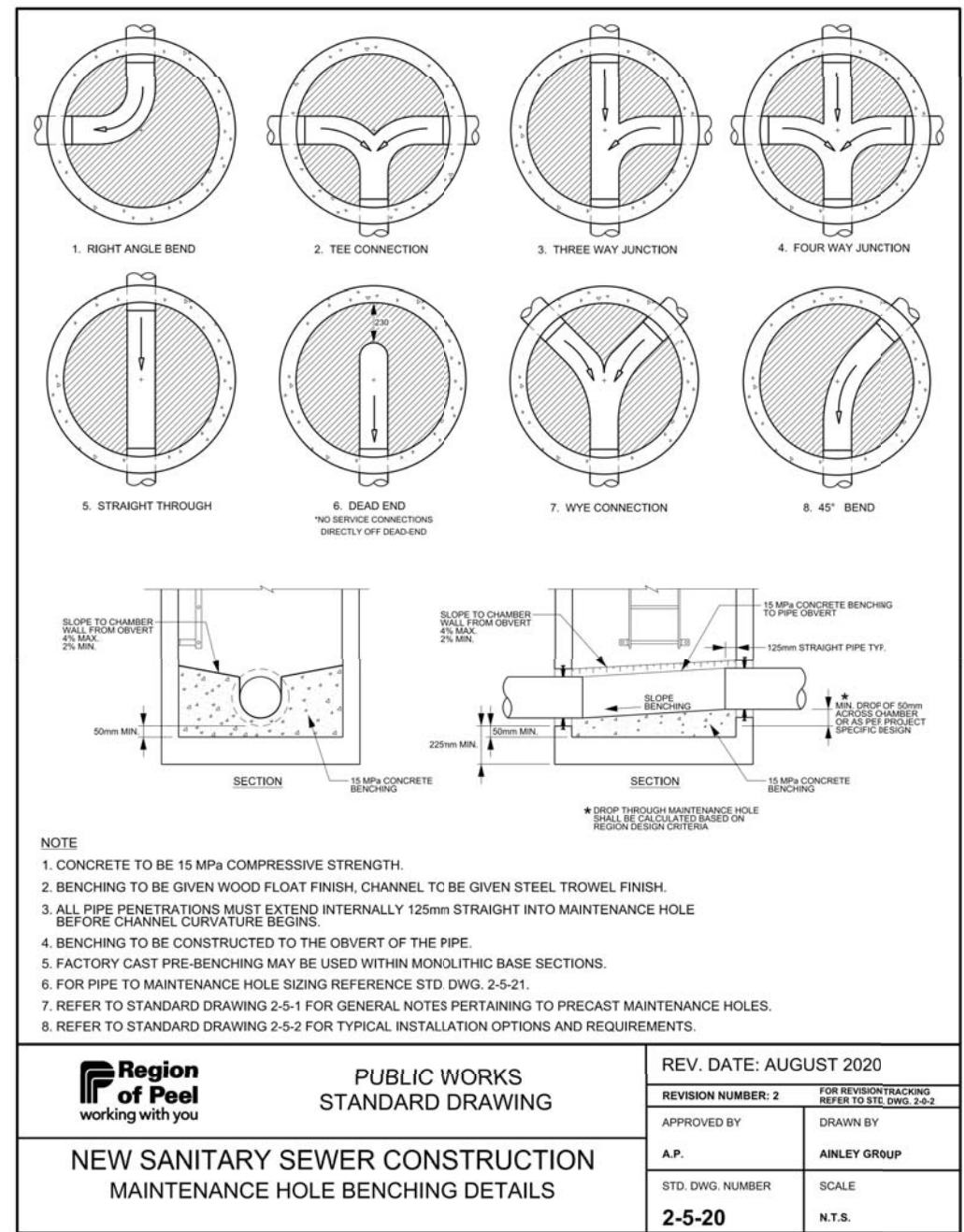
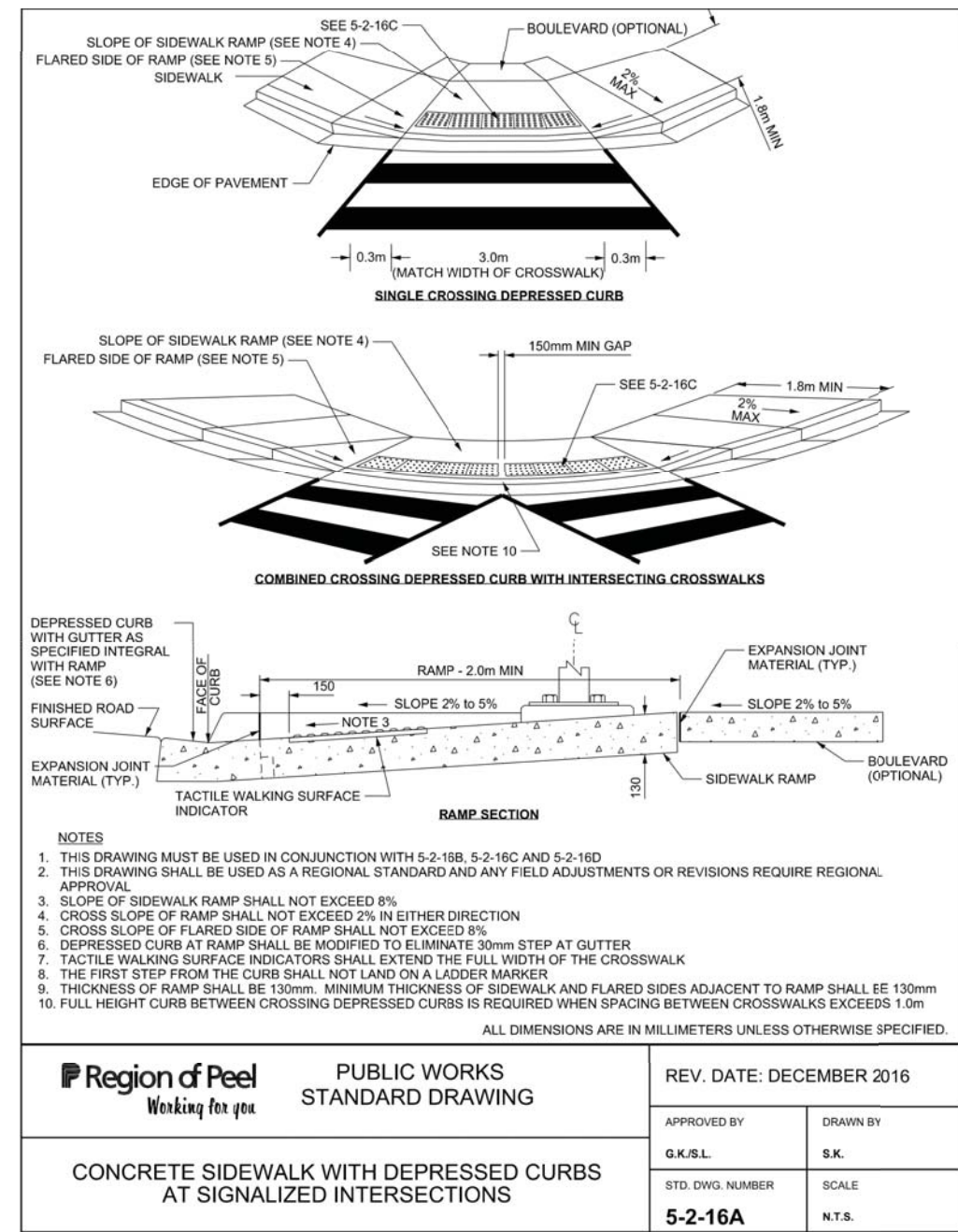
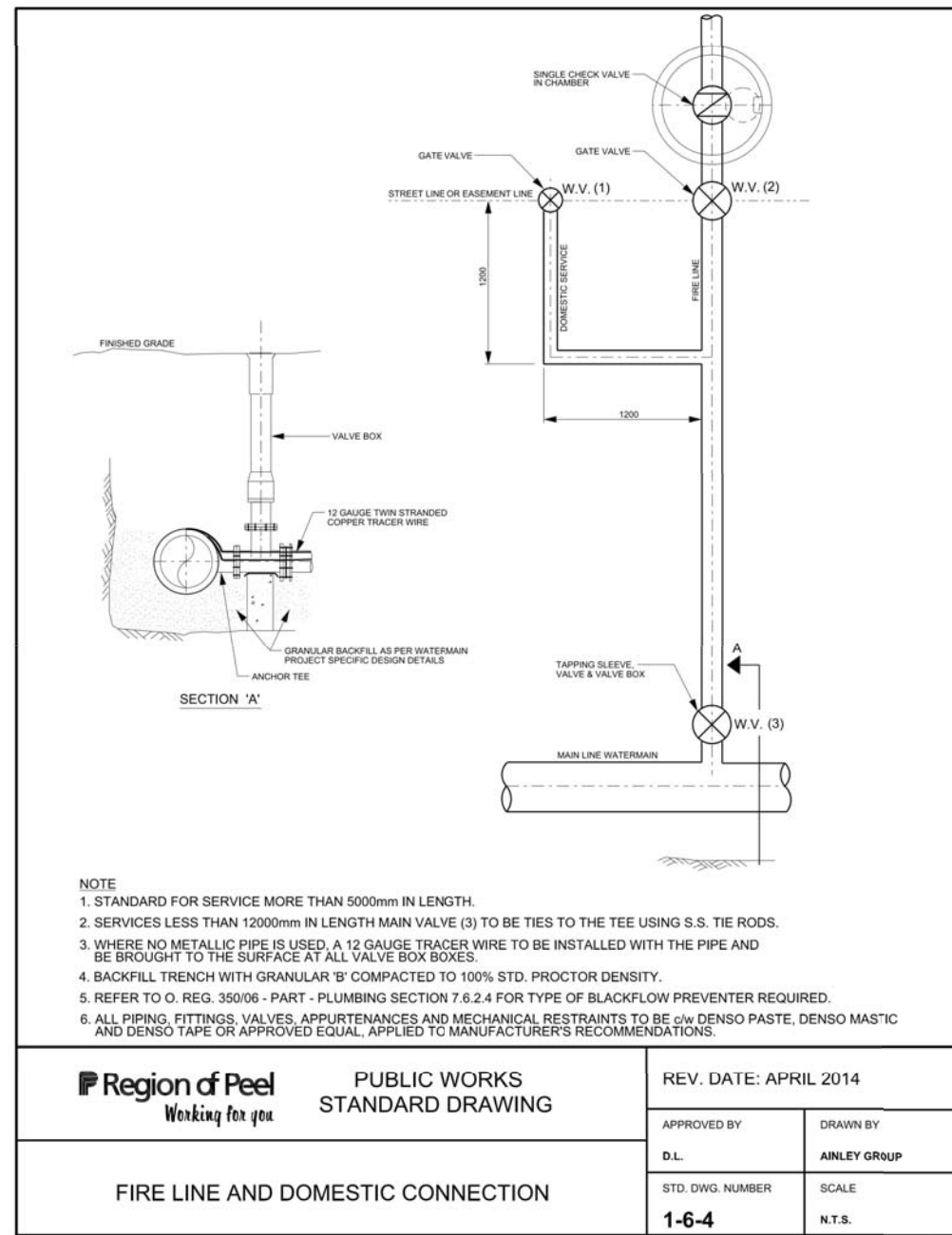
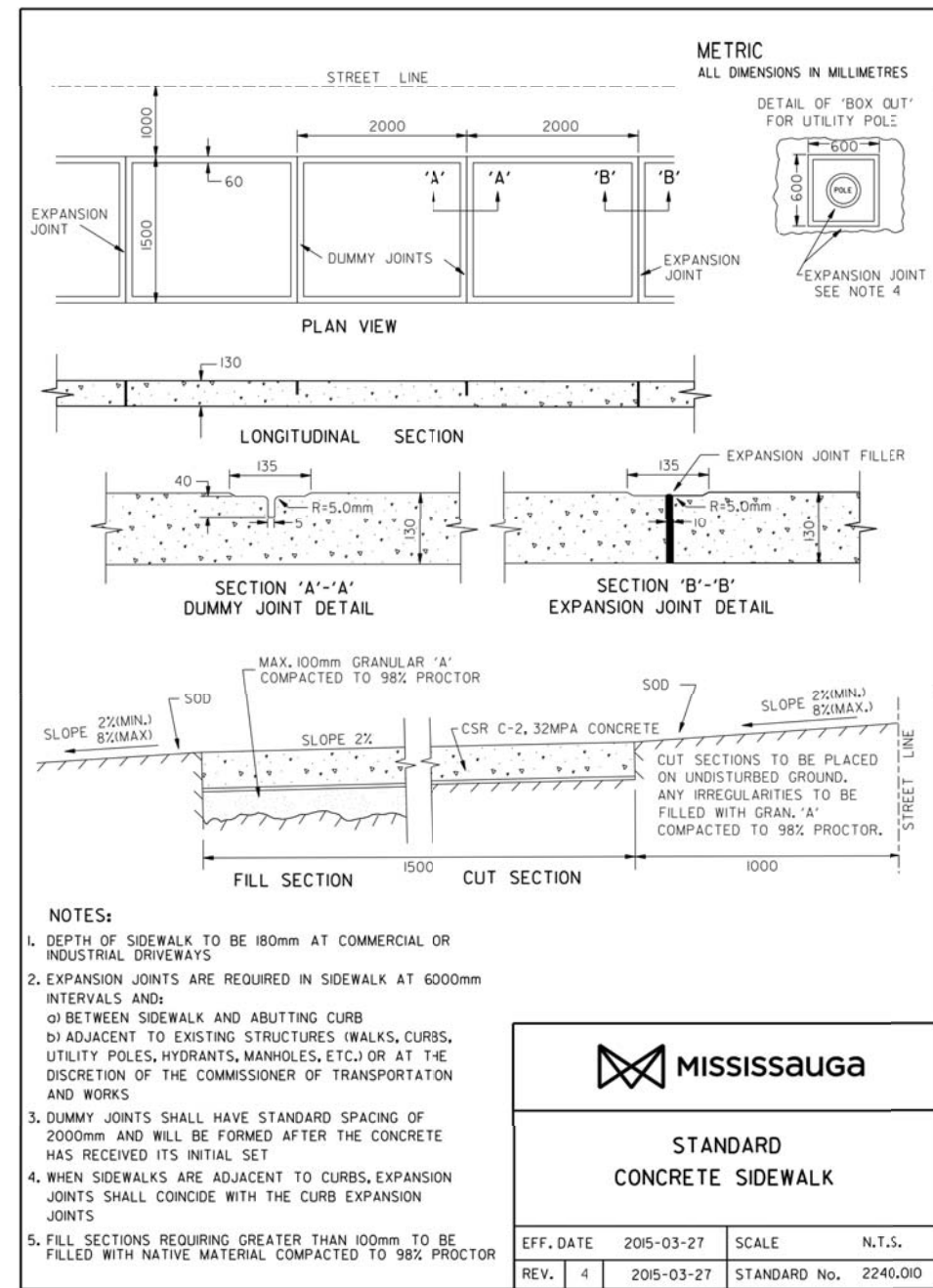
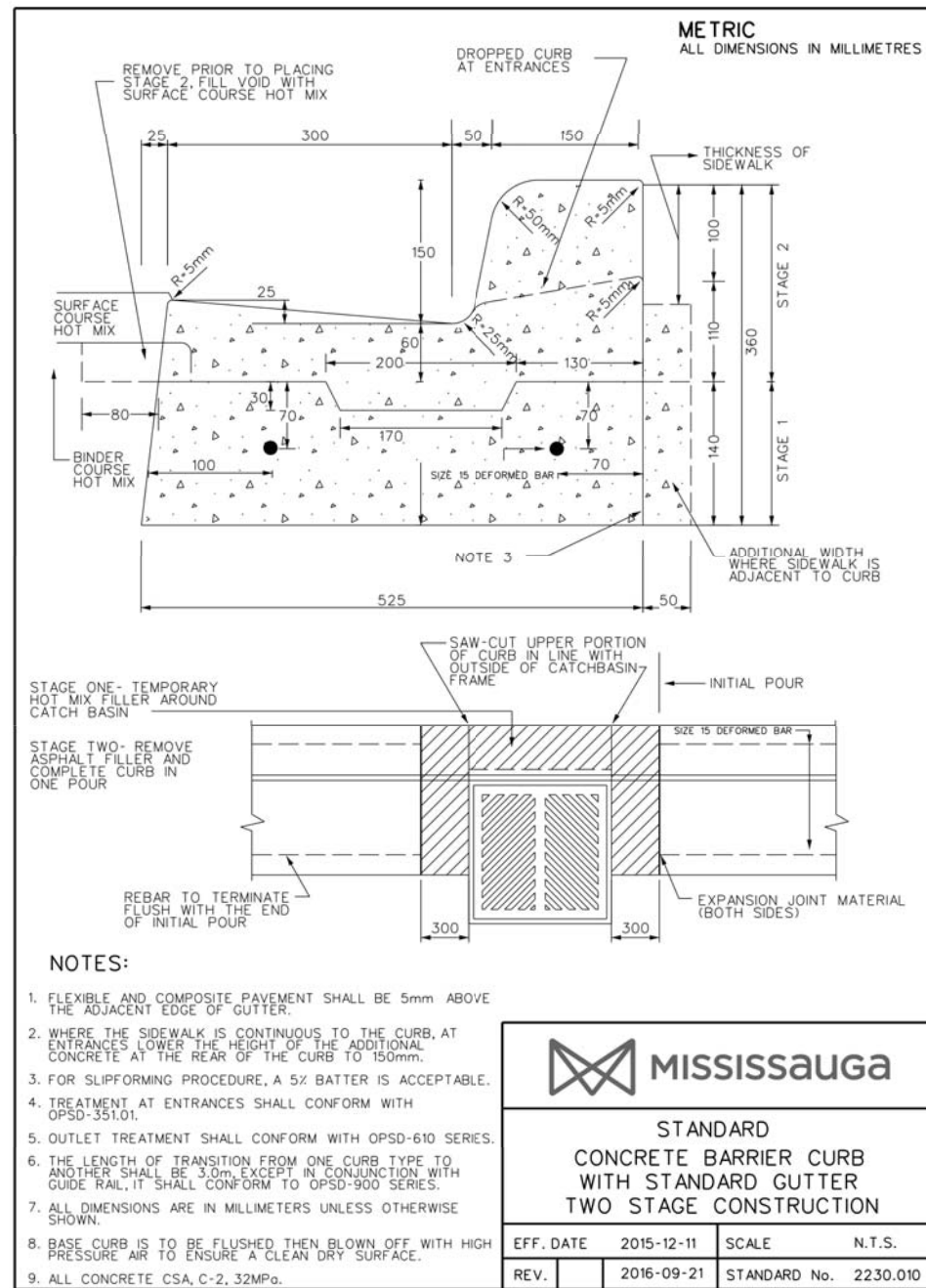
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33 HILLCREST AVENUE,
MISSISSAUGA, ONTARIO

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PROPOSED STORM DRAINAGE

REGION FILE No. #####		CITY FILE No. #####	
SCALE: 1:400	AREA: XXXXX	PROJECT No. 20-252	
DRAWN BY: M.J.M.	CHECKED BY: R.B.T.M.	PLAN No. 303	
DATE: APRIL 2022	SHEET OF C-		

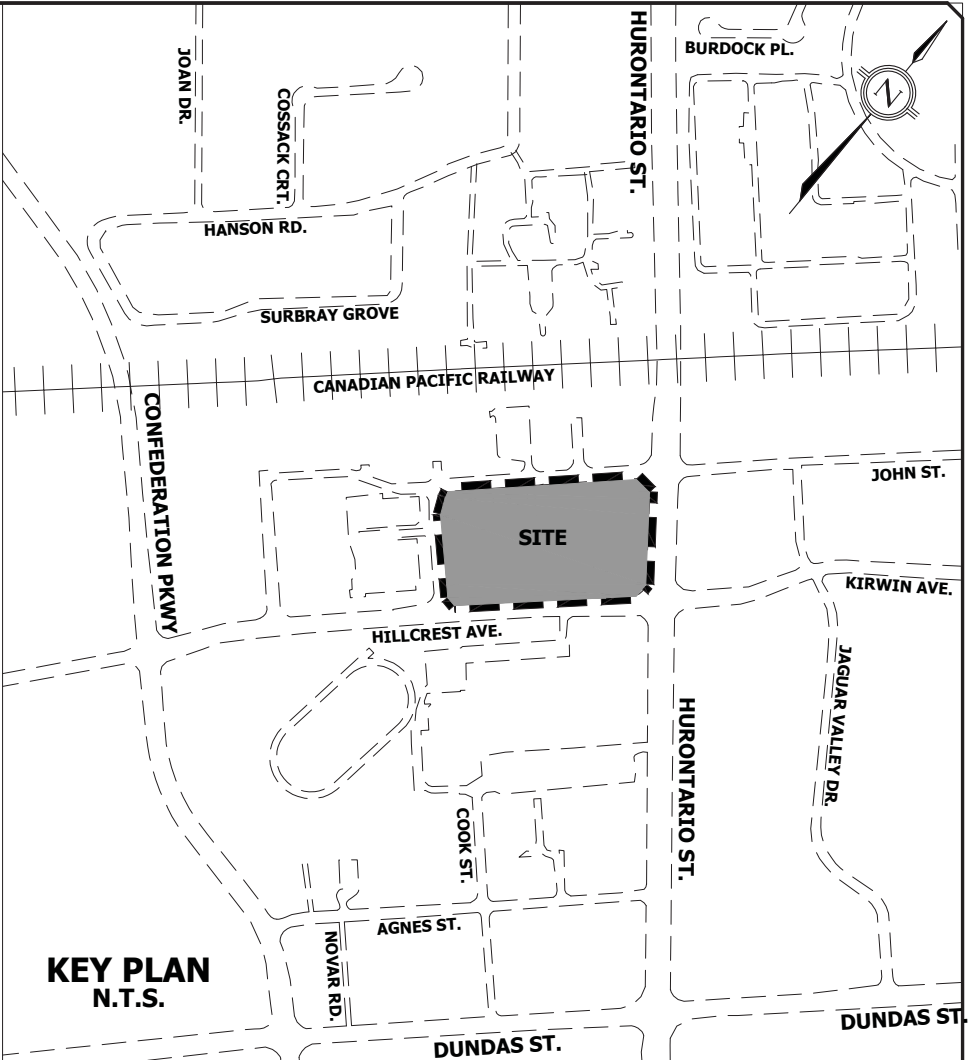


GO TRANSIT ACCESS

JOHN STREET

HURONTARIO STREET

HILLCREST AVENUE



LEGEND

- STORM MANHOLE
- SANITARY MANHOLE
- EXISTING STORM MANHOLE
- EXISTING STORM CATCH BASIN MANHOLE
- EXISTING SANITARY MANHOLE
- SINGLE CATCHBASIN
- EXISTING SINGLE CATCHBASIN
- HYDRANT & VALVE
- VALVE AND BOX
- DETECTOR CHECK VALVE IN CHAMBER (AS PER R.S.D. 1-3-1)
- EXISTING HYDRANT & VALVE
- EXISTING VALVE AND BOX
- EXISTING CONTOUR AND ELEVATION
- EXISTING OVERLAND FLOW DIRECTION
- EXISTING CENTERLINE OF ROAD
- EXISTING TREE
- LIMIT OF PROPERTY
- LIMIT OF UNDERGROUND LEVELS
- PROPOSED SEDIMENT CONTROL FENCE (AS PER CITY STD. 2940.010)
- TREE PROTECTION BARRIER (REFER TO DETAIL ON DWG. 1002)
- PROPOSED CONSTRUCTION FENCE
- PROPOSED CONSTRUCTION ACCESS STONE PAD (AS PER CITY STD. 2970.010)
- CATCHBASIN SILT PROTECTION (REFER TO DETAIL ON DWG. 1002)

BENCHMARK NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF MISSISSAUGA VERTICAL BENCH MARK NUMBER 1001 HAVING AN ORTHOMETRIC ELEVATION OF 123.221 METRES. ELEVATIONS ARE REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, PRE-1978 ADJUSTMENT (CGVD:1928/78AD.).

TABLET SET HORIZONTALLY AT THE BASE OF A 750MM CONCRETE TRAFFIC POLE ON THE SOUTH SIDE OF HILLCREST AVENUE, WEST OF CENTERLINE OF THE EASTERLY GO STATION ENTRANCE.

1		APR. 22, 2022		ISSUED FOR REZONING	
<input type="checkbox"/> FIRST DATE		<input type="checkbox"/> SECOND DATE		<input type="checkbox"/> THIRD DATE	
APR. 22, 2022		-----		-----	



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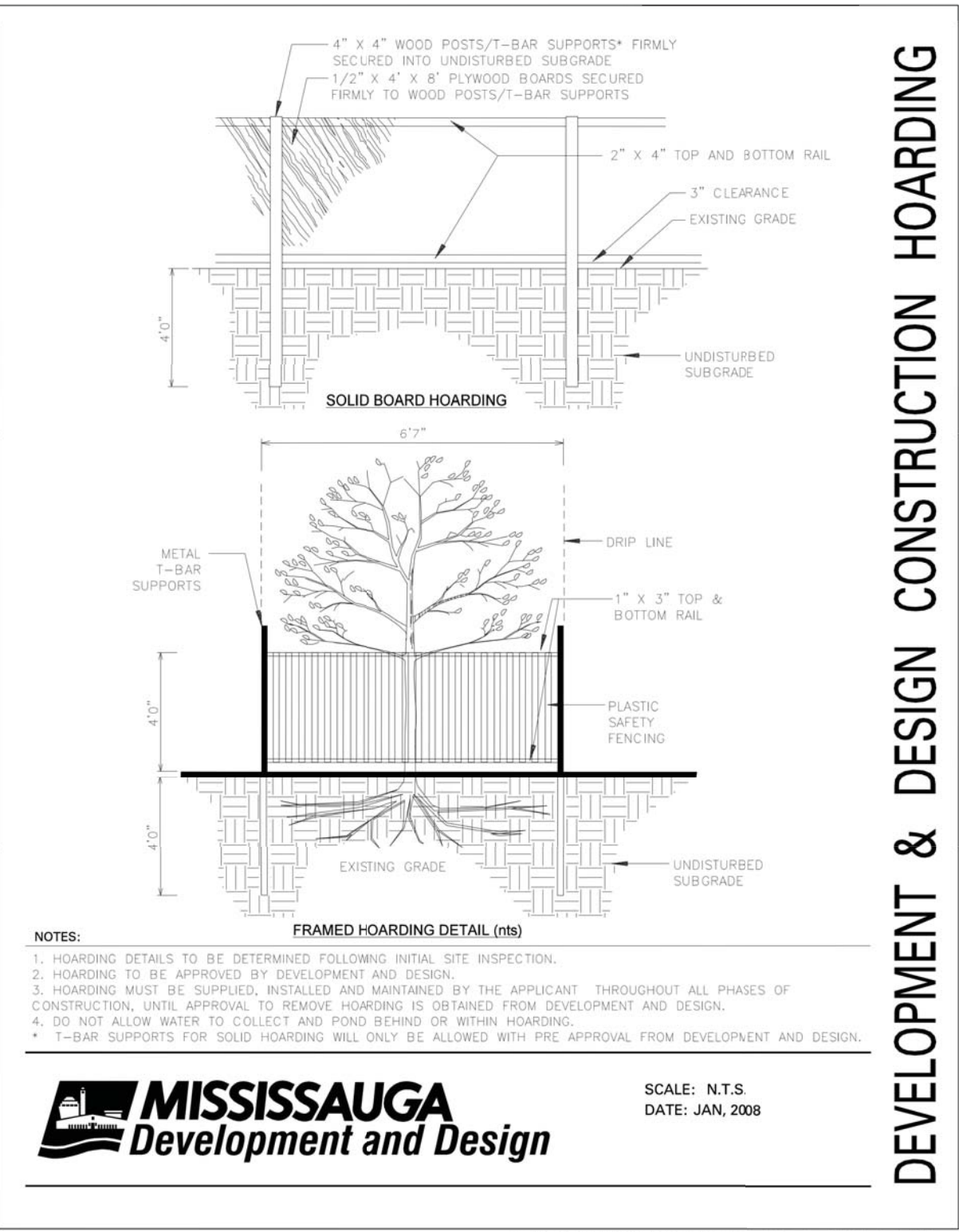
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33 HILLCREST AVENUE,
MISSISSAUGA, ONTARIO

Region of Peel
working with you

MISSISSAUGA

EROSION & SEDIMENT CONTROL AND REMOVALS PLAN

REGION FILE No. #####		CITY FILE No. #####	
SCALE: 1:400	AREA XXXXX	PROJECT No. 20-25	
DRAWN BY: M.J.M	CHECKED BY: R.B.T.M	PLAN No. 1001	
DATE: APRIL 2022	SHEET OF	C-	



(Planning/Engineering/Design Projects), 2008 (Construction/Design/101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 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