

	8.	TENDER ADDENDUM #16	24-12-04
	7.	TENDER ADDENDUM #15	24-12-04
	6.	TENDER ADDENDUM #14	24-11-27
	5.	TENDER ADDENDUM #7	24-10-03
	4.	TENDER ADDENDUM #3	24-09-23
	3.	ISSUED FOR TENDER	24-09-09
	2.	ISSUED FOR SPA	24-08-30
	1.	ISSUED FOR PERMIT	24-07-31
	NO.	ISSUED	DATE

Stamp:

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Checked by:	Drawn by:	Project No:	Date:
PM	PM	24015	24-07-31

Sheet Title:

**SITE SERVICING PLAN**

Applicant:

**YORK REGIONAL POLICE**  
47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

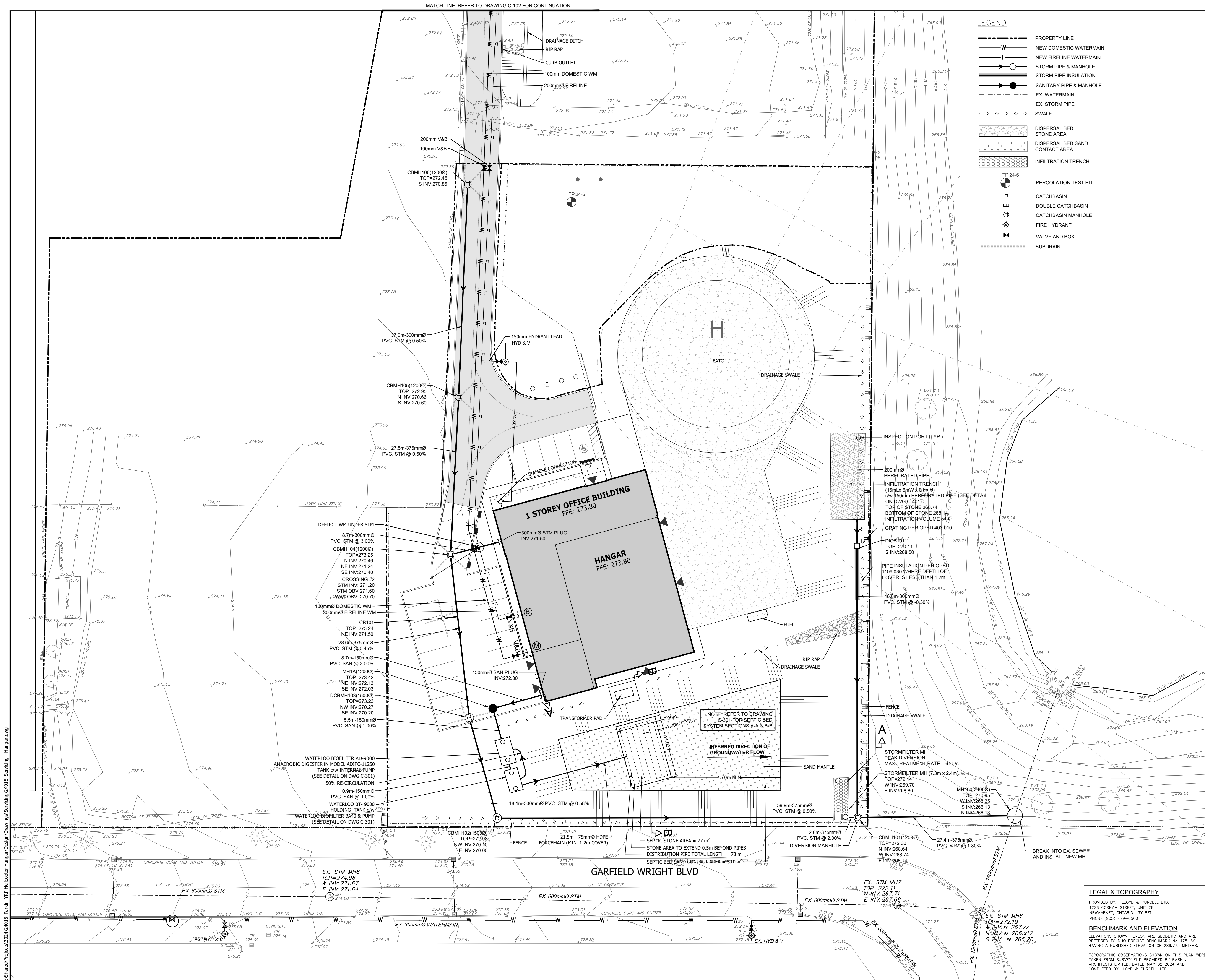
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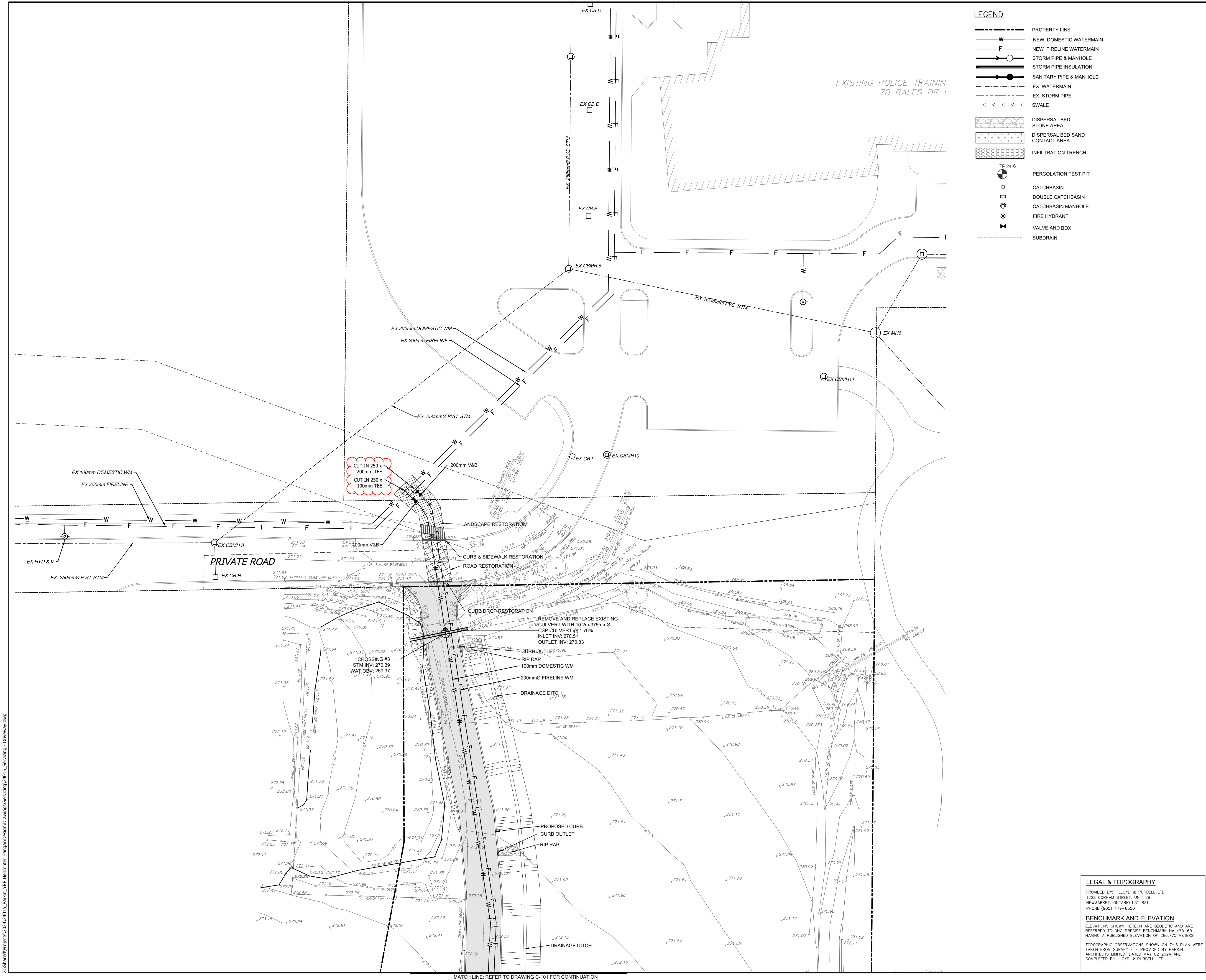
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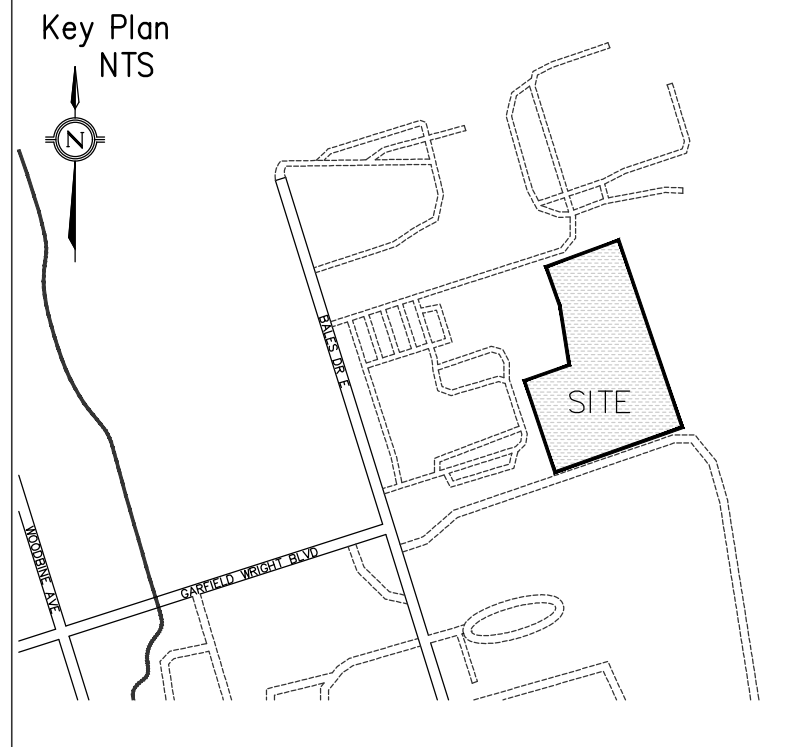
# PARKIN

Parkin Architects Limited  
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7  
416-467-8000

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ENGINEERING  
A SUBSIDIARY OF HILLON CONSULTING LIMITED  
8395 Jane St., Suite 100, Vaughan, ON L4K 5Y2 Phone 905.326.1404 Fax 905.326.1405

## YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY



8.	TENDER ADDENDUM #16	24-12-10
7.	TENDER ADDENDUM #15	24-12-04
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Issues

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Date: 24-07-31

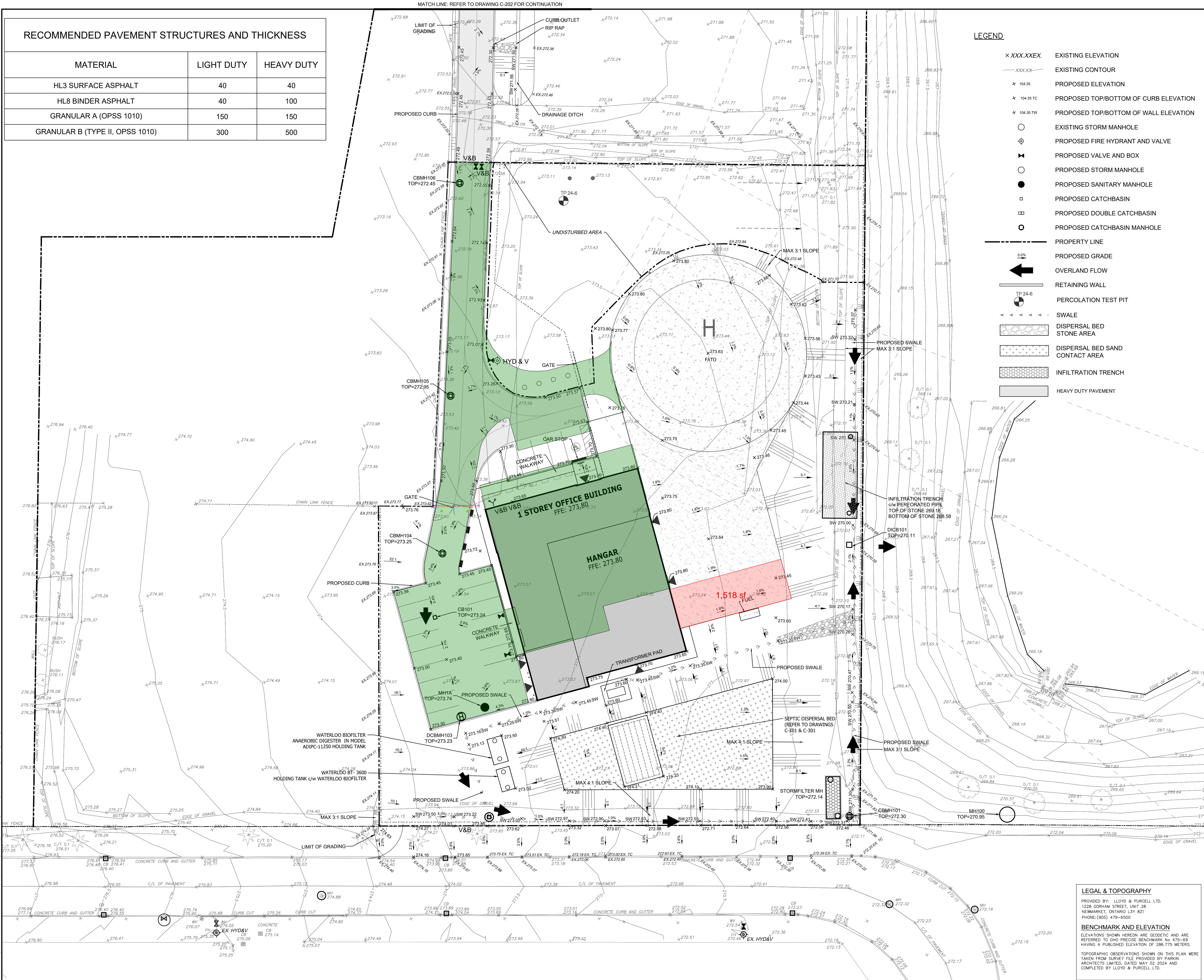
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SITE SERVICING PLAN  
Applicant:  
YORK REGIONAL POLICE  
47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

Drawing Scale:  
1:300  
0m 5 10 15

Drawing No:



RECOMMENDED PAVEMENT STRUCTURES AND THICKNESS		
MATERIAL	LIGHT DUTY	HEAVY DUTY
HL3 SURFACE ASPHALT	40	40
HL8 BINDER ASPHALT	40	100
GRANULAR A (OPSS 1010)	150	150
GRANULAR B (TYPE II, OPSS 1010)	300	500



# PARKIN

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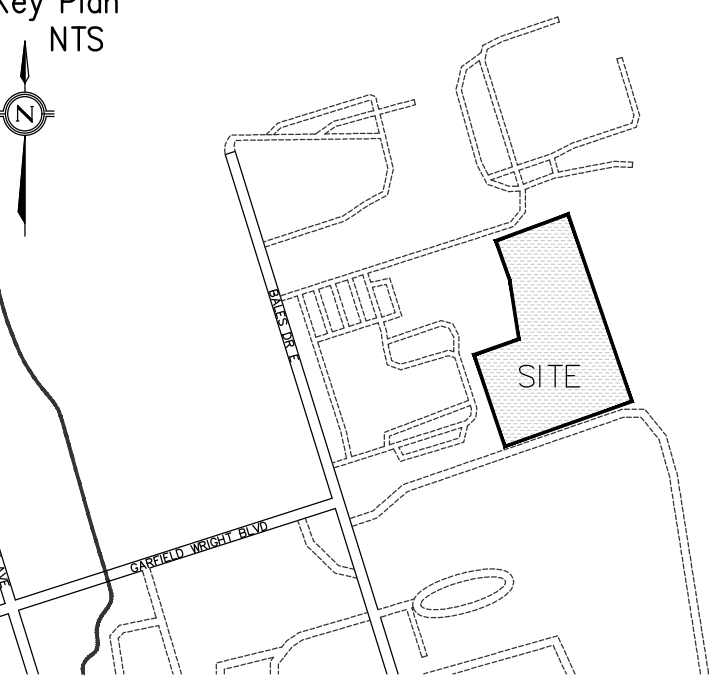
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395 Jane St., Suite 100, Vaughan, ON L4K 5Y2 Phone 905.326.1404 Fax 905.326.1405

## YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

Key Pla  
NTS



5.	TENDER ADDENDUM #7	24-10-03
4.	TENDER ADDENDUM #3	24-09-23
3.	ISSUED FOR TENDER	24-09-09
2.	ISSUED FOR SPA	24-08-30
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## Issues

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Sheet Title

## SITE GRADING PLAN

Applicant: **YORK REGIONAL POLICE**  
47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

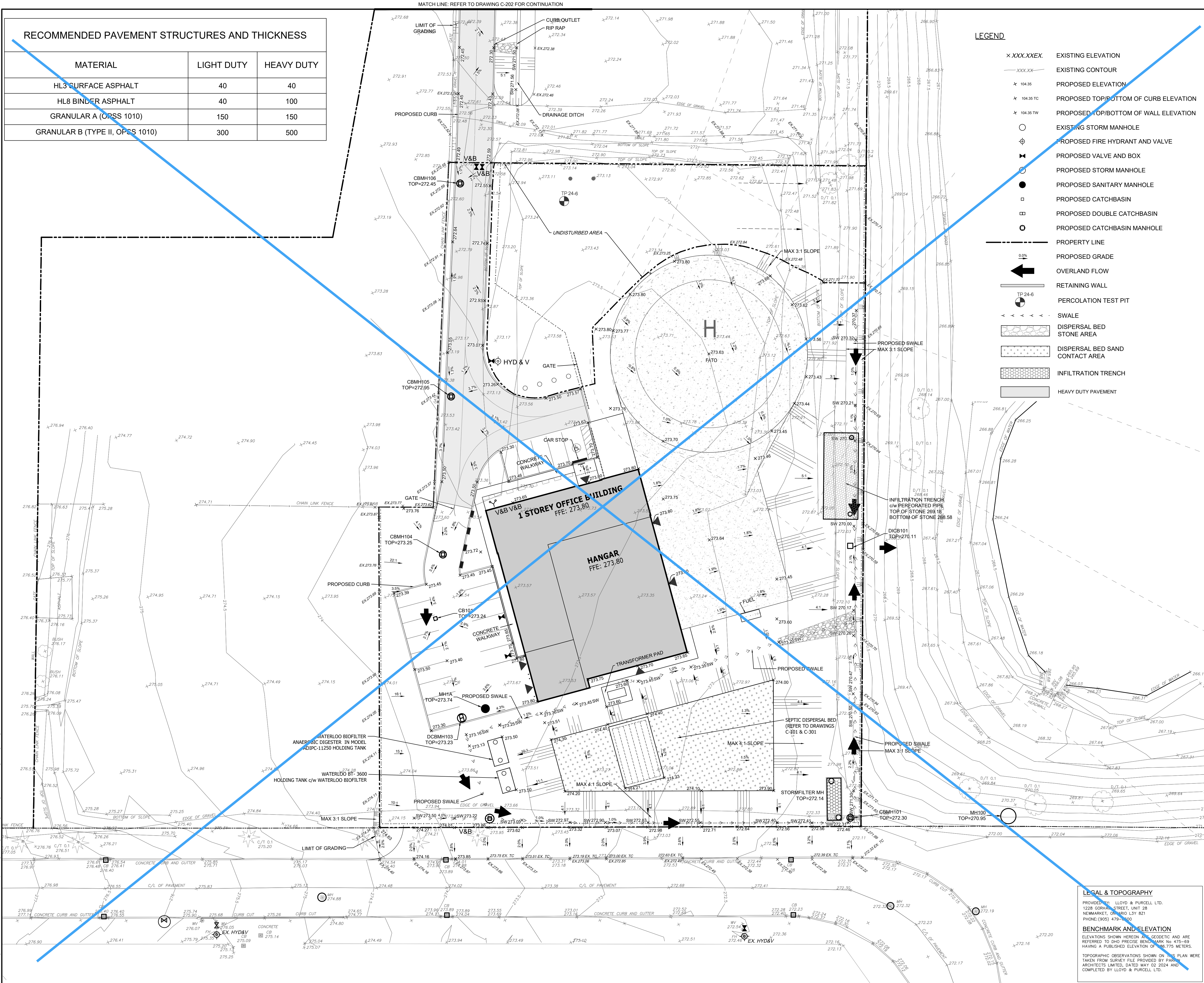
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Drawing No

C-201





PARKIN

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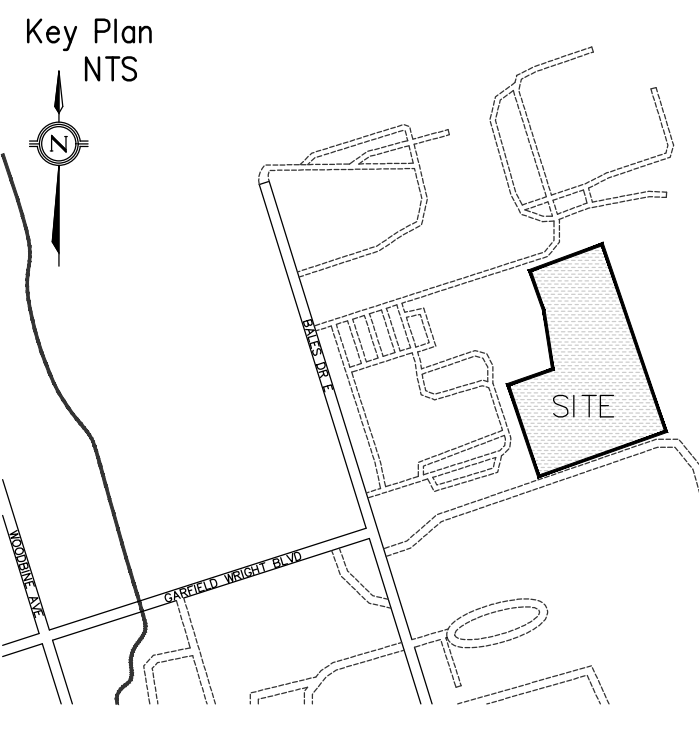
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7  
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YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GUILMBURY



5.	TENDER ADDENDUM #7	24-10-03
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Sheet Title: SITE GRADING PLAN

Applicant: YORK REGIONAL POLICE  
47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

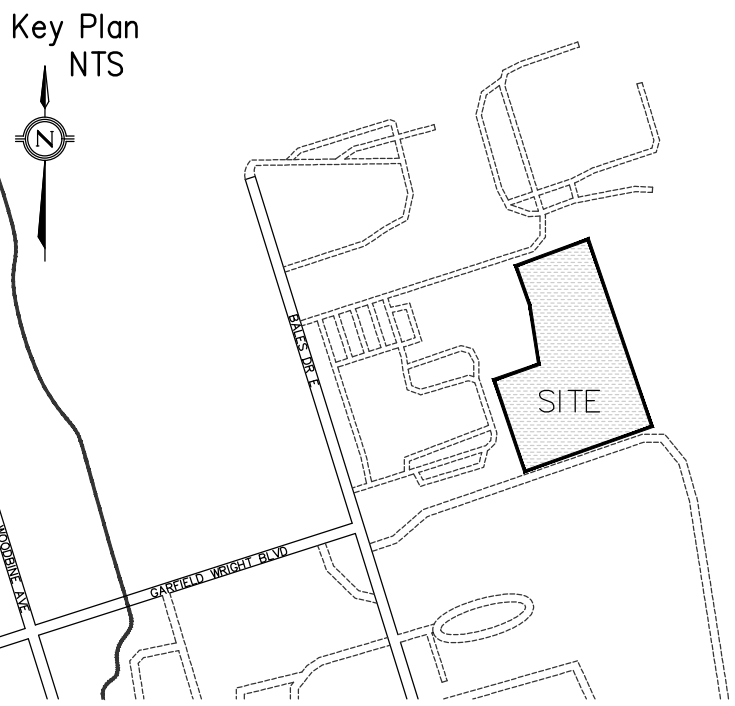
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Drawing No: C-201

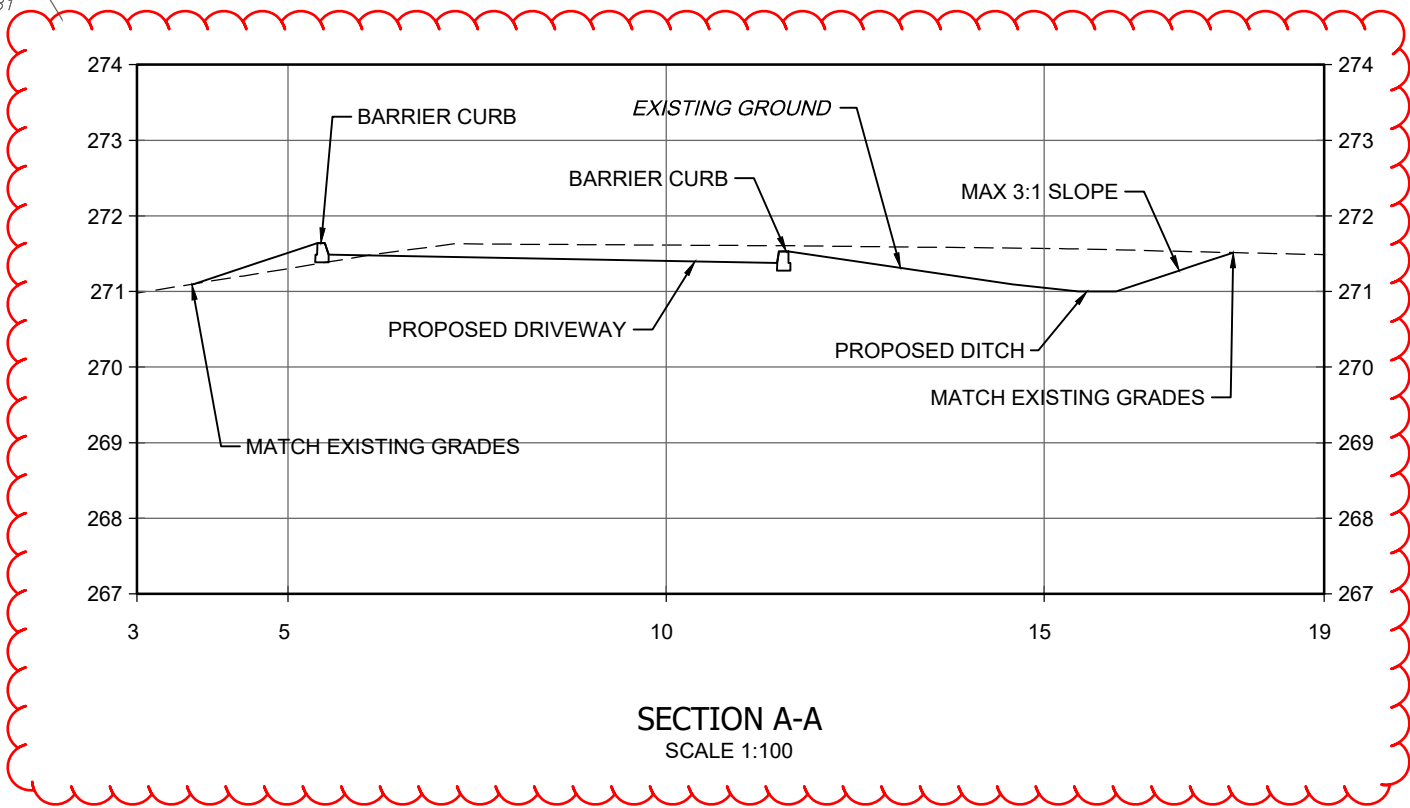


YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY



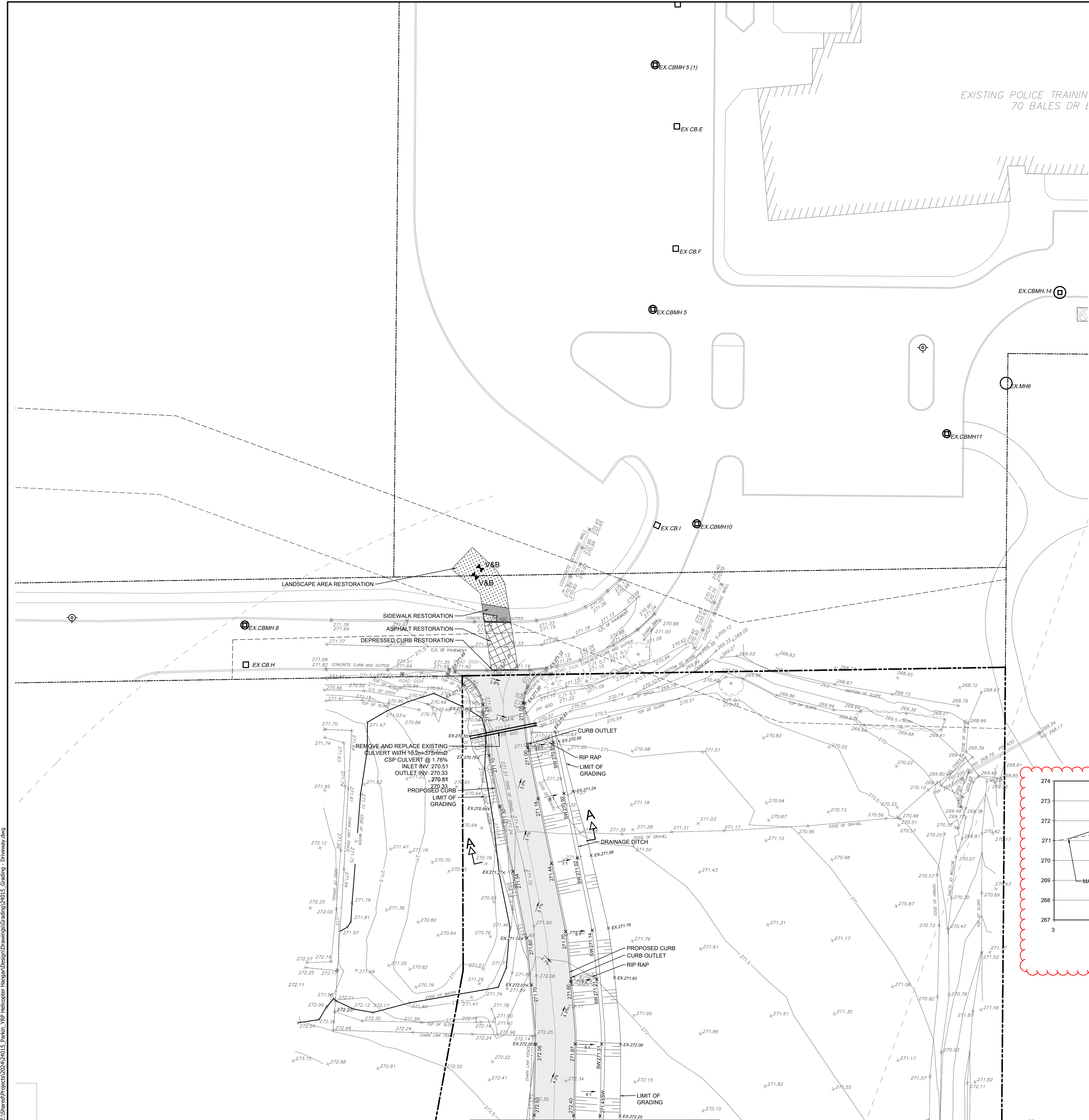
- LEGEND**
- × XXX.XXEX. EXISTING ELEVATION
  - XXX.XX— EXISTING CONTOUR
  - ★ 104.35 PROPOSED ELEVATION
  - ★ 104.35 TC PROPOSED TOP/BOTTOM OF CURB ELEVATION
  - ★ 104.35 TW PROPOSED TOP/BOTTOM OF WALL ELEVATION
  - EXISTING STORM MANHOLE
  - PROPOSED FIRE HYDRANT AND VALVE
  - ⋈ PROPOSED VALVE AND BOX
  - PROPOSED STORM MANHOLE
  - PROPOSED SANITARY MANHOLE
  - PROPOSED CATCHBASIN
  - ▣ PROPOSED DOUBLE CATCHBASIN
  - PROPOSED CATCHBASIN MANHOLE
  - PROPERTY LINE
  - PROPOSED GRADE
  - ← OVERLAND FLOW
  - RETAINING WALL
  - ⊙ TP 24-6 PERCOLATION TEST PIT
  - <<<<< SWALE
  - LANDSCAPE AREA RESTORATION
  - SIDEWALK RESTORATION
  - ASPHALT RESTORATION
  - HEAVY DUTY PAVEMENT
  - CURB RESTORATION



**LEGAL & TOPOGRAPHY**  
PROVIDED BY: LLOYD & PURCELL LTD.  
1228 GORHAM STREET, UNIT 28  
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PHONE: (905) 479-6500

**BENCHMARK AND ELEVATION**  
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO IHD PRECISE BENCHMARK No 470-69 HAVING A PUBLISHED ELEVATION OF 286.775 METERS.

TOPOGRAPHIC OBSERVATIONS SHOWN ON THIS PLAN WERE TAKEN FROM SURVEY FILE PROVIDED BY PARKIN ARCHITECTS LIMITED, DATED MAY 02 2024 AND COMPLETED BY LLOYD & PURCELL LTD.



MATCH LINE: REFER TO DRAWING C-201 FOR CONTINUATION

8.	TENDER ADDENDUM #16	24-12-10
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Checked by: PM Drawn by: PM Project No: 24015 Date: 24-07-31

Sheet Title:  
SITE GRADING PLAN

Applicant:  
YORK REGIONAL POLICE  
47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

Drawing Scale:  
1:300

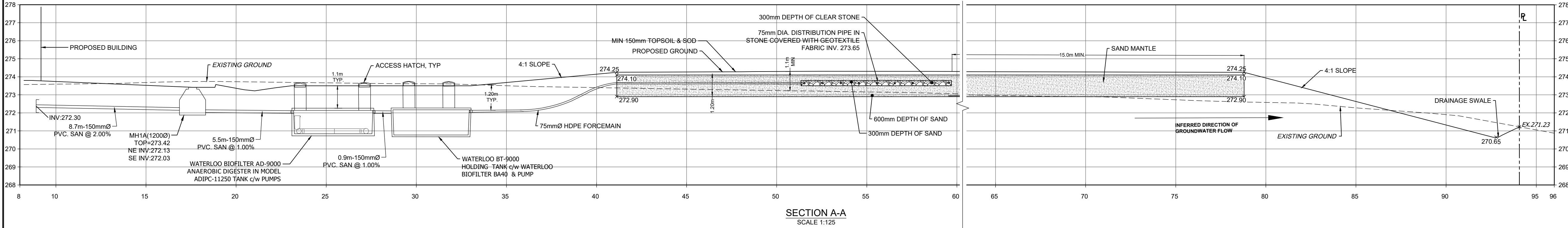
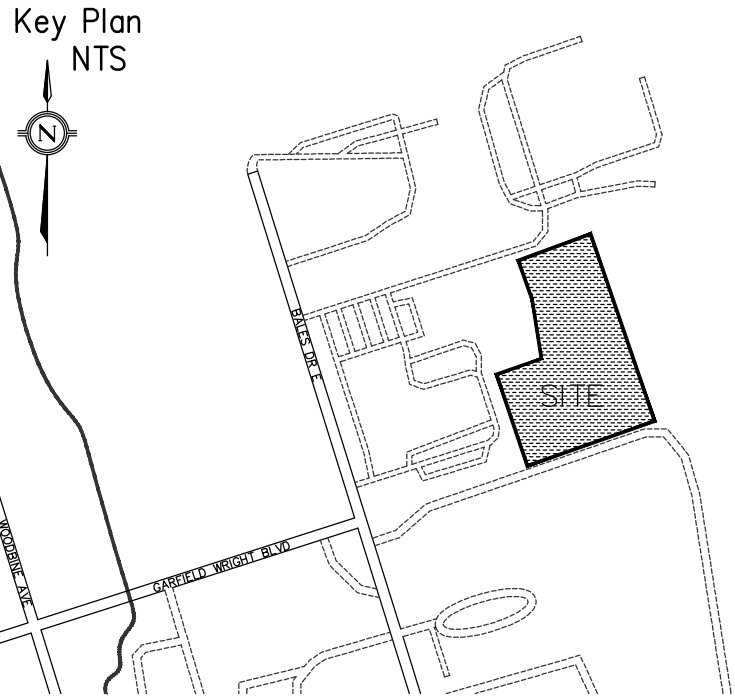
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C-202



YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY



SEPTIC SYSTEM NOTES

GENERAL

- ALL COMPONENTS OF THIS PRIVATE WASTE DISPOSAL SYSTEM SHALL CONFORM TO THE ONTARIO BUILDING CODE AND THE REQUIREMENTS OF THE MUNICIPALITY
- WORK ON SEWAGE DISPOSAL SYSTEM IS TO BE INITIATED AND COMPLETED BY ONE LICENSED CONTRACTOR.
- THE SYSTEM SHOULD NOT BE CONSTRUCTED UNTIL THE STRUCTURE IS SUBSTANTIALLY CONSTRUCTED WITH BRICK CLADDING COMPLETED. ALTERNATIVELY, THE AREA OF THE SEWAGE SYSTEM MUST BE PROTECTED BY BARRIERS OR FENCES.
- ALL SANITARY WASTEWATER FROM THE BUILDING IS TO FLOW BY GRAVITY INTO A SEPTIC TANK WITH A MINIMUM OF A COMMERCIALY AVAILABLE 3,600L TANK.

ANAEROBIC DIGESTER

- THE ANAEROBIC DIGESTER TANK SHALL BE PRECAST CONC. PLACED ON 200mm DEEP GRANULAR 'B' BEDDING AND COMPACTED TO 100% STANDARD PROCTOR DENSITY.
- AN EFFLUENT FILTER IS TO BE INSTALLED IN THE OUTLET OF THE ANAEROBIC DIGESTER.
- ACCESS RISERS ARE TO BE INSTALLED OVER BOTH THE INLET AND OUTLET OF THE ANAEROBIC DIGESTER.

TERTIARY TREATMENT UNITS

- TERTIARY TREATMENT UNITS ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THE WASTEWATER IS PUMPED TO A WATERLOO BIOFILTER MODEL BT 9000 TREATMENT UNIT CONSISTING OF AN 3,600 L CONCRETE TANK (BROOKLIN PT-3600 OR APPROVED EQUIVALENT). THE WASTEWATER IS EVENLY DISTRIBUTED OVER THE SURFACE OF THE MEDIUM BY SPRAY NOZZLES AND TREATED AS IT TRICKLES THROUGH THE INTERIOR OF THE MEDIUM. THE TREATED EFFLUENT COLLECTS ON THE FLOOR OF THE TANK. THE TANK IS EQUIPPED WITH TWO (2) SUBMERSIBLE EFFLUENT PUMPS OPERATING ON ALTERNATING DEMAND.
- EACH DOSE APPROXIMATELY 50% OF THE TREATED EFFLUENT IS PUMPED TO THE INLET OF THE ANAEROBIC DIGESTER. EACH DOSE OF THE REMAINING TREATED EFFLUENT IS PUMPED TO THE DISPERSAL BED.

PIPING

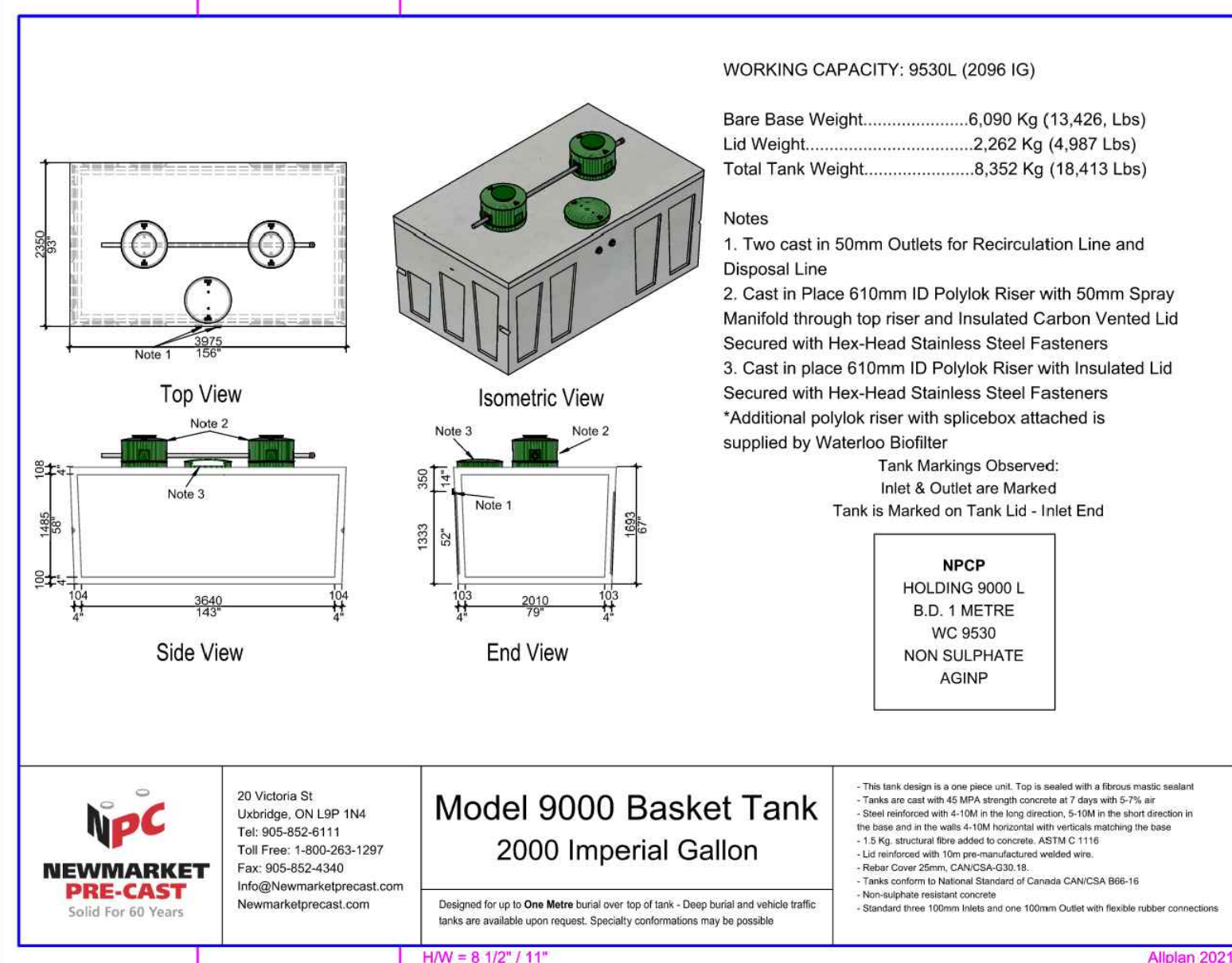
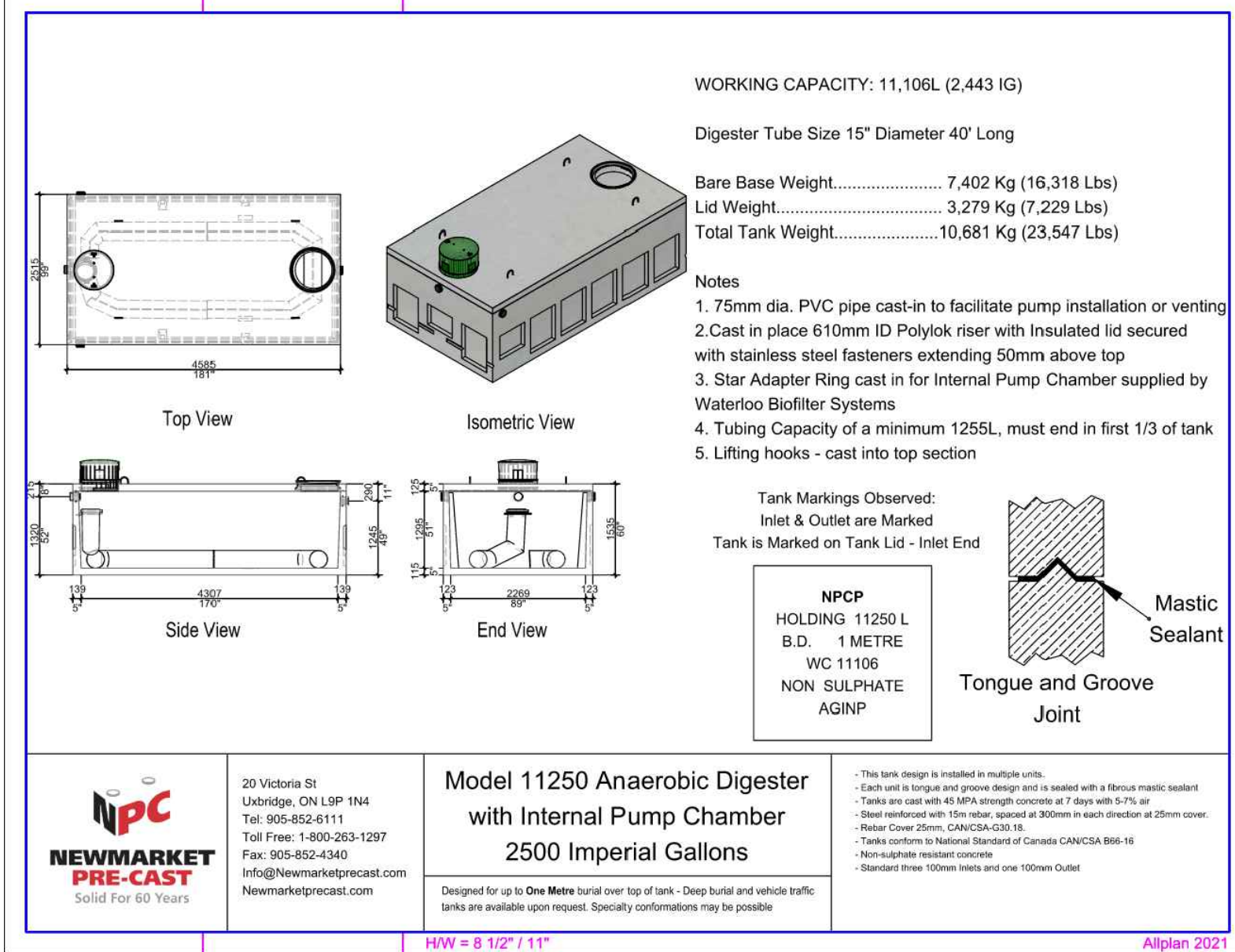
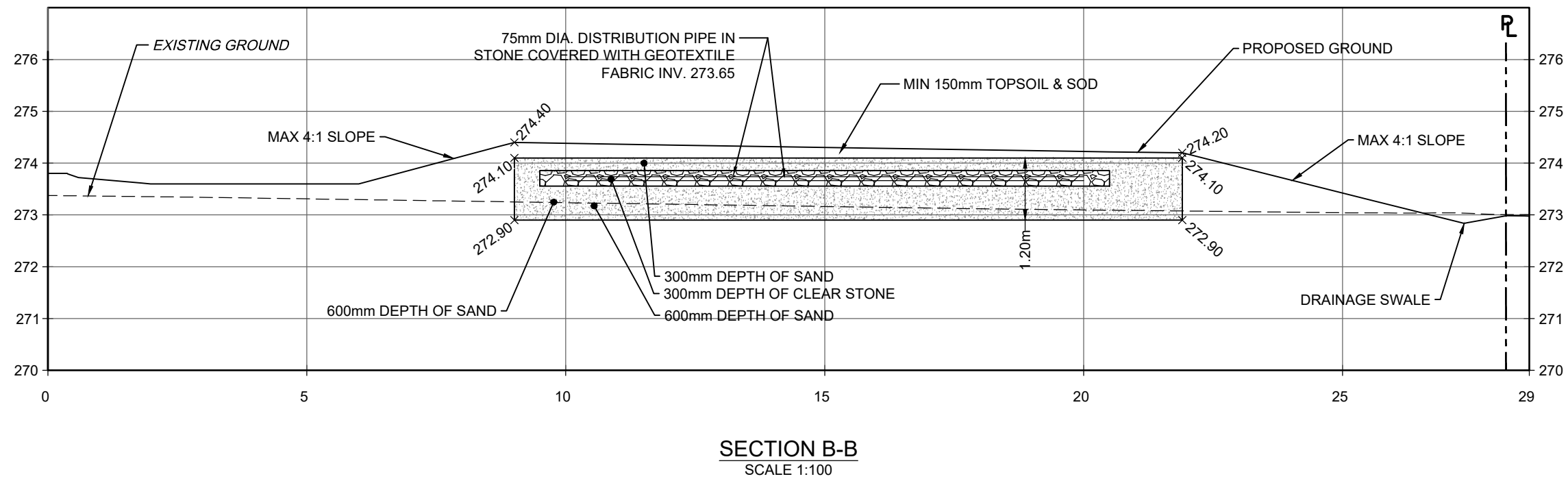
- DISTRIBUTION PIPE AND GRAVITY FEED PIPING BETWEEN THE BUILDING AND THE TANKS SHALL BE CSA APPROVED PVC PLASTIC PIPE OR HDPE. PVC PIPE JOINTS SHALL BE SOLVENT WELDED OR SOCKET JOINTS AND FITTINGS.

DISPERSAL AREA BED

- SOURCES OF STONE, SAND AND BACKFILL MATERIAL DISPERSAL AREA BED SHALL BE APPROVED BY THE INSPECTOR PRIOR TO USE. THE CONTRACTOR SHALL SUBMIT GRADATION CURVES FOR EACH TYPE OF MATERIAL PRIOR TO THE APPROVAL OF THE SOURCE.
- CLEAR STONE SHALL BE 19mm WASHED AGGREGATE FREE OF FINES.
- SELECT SAND FOR DISPERSAL AREA BED SHALL CONFORM TO UNITED SOILS CLASSIFICATION SYSTEM GRADATION CURVE SW FOR WELL GRADED SANDS. SAND SHALL BE FREE FROM CLAY AND ORGANIC MATERIAL WITH A MAXIMUM SILT CONTENT OF 10%.
- SELECT SAND SHALL HAVE A PERCOLATION RATE OF BETWEEN 5 AND 10 min/cm.
- NATIVE FILL SHALL BE ON SITE MATERIAL OR IMPORTED MATERIAL, FREE FROM ORGANICS AND CAPABLE OF BEING COMPACTED NATIVE FILL SHALL NOT BE OVERLY WET.
- THE BASE EXCAVATION OF BED SHALL BE SCARIFIED PRIOR TO PLACING IMPORTED FILL. NO EQUIPMENT (RUBBER Tired OR TRACKED) SHALL COME IN DIRECT CONTACT WITH THE SCARIFIED SOIL. IMPORTED MATERIAL IS TO BE BLADED ONTO THE SCARIFIED AREA IN 8"-10" LIFTS AND TRACK COMPACTED.
- THE DISPERSAL BED AREA SHALL BE SODDED AND MULCHED IMMEDIATELY UPON COMPLETION TO PREVENT EROSION.
- FINAL GRADING INCLUDING FILL MATERIAL, TOPSOIL AND SOD AROUND THE SEWAGE SYSTEM SHALL BE COMPLETED UNDER THE DIRECTION OF THE SEWAGE SYSTEM CONTRACTOR TO ENSURE THAT THE SEWAGE SYSTEM IS NOT ADVERSELY AFFECTED BY THESE OPERATIONS.

RESTRICTIONS

- BUILDING EAVES THROUGH DOWNSPOUTS ARE NOT TO BE CONNECTED TO THE SEWAGE SYSTEM.
- BUILDING DOWNSPOUTS ARE TO BE DIRECTED TO SPLASH PADS AWAY FROM LEACHING BED AND TANK AREAS.
- NO LANDSCAPING INVOLVING, BERMS, FOUNDATIONS, PATIOS, WALKWAYS DRIVEWAYS, OR NEWLY PLANTED TREES SHALL BE PERMITTED IN THE DISPERSAL AREA INCLUDING SIDE SLOPES.
- THE INSTALLATION OF ANY LAWN IRRIGATION SYSTEMS SHALL NOT BE PERMITTED WITHIN THE DISPERSAL BED AREA OR ON ADJACENT AREAS WHICH MAY DETRIMENTALLY AFFECT THE OPERATION AND EFFECTIVENESS OF THE DISPERSAL AREA. SPRINKLER HEADS SHALL NOT DIRECT SPRAY ONTO THE AREA BED.



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Sheet Title:

SEPTIC SYSTEM NOTES & DETAILS

Applicant:

YORK REGIONAL POLICE  
47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

Drawing Scale:

AS NOTED

Drawing No:

C-301



# PARKIN

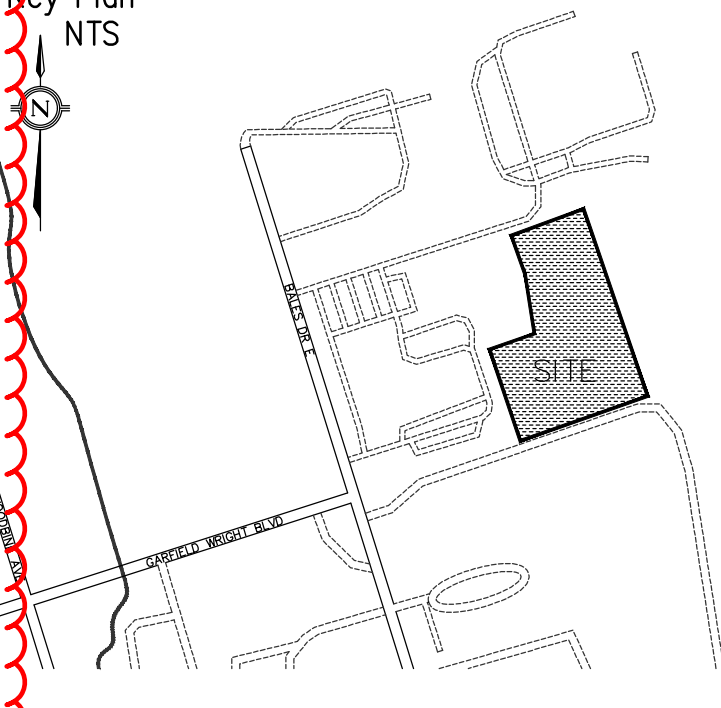
Parkin Architects Limited  
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7  
416-467-8000

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605 Jane St., Suite 100, Vaughan, ON L4K 5Y2 Phone 905.326.1404 Fax 905.326.1405

## YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

Key Plan  
NTS



4.	TENDER ADDENDUM #3	24-09-23
3.	ISSUED FOR TENDER	24-09-09
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### STANDARD DETAILS

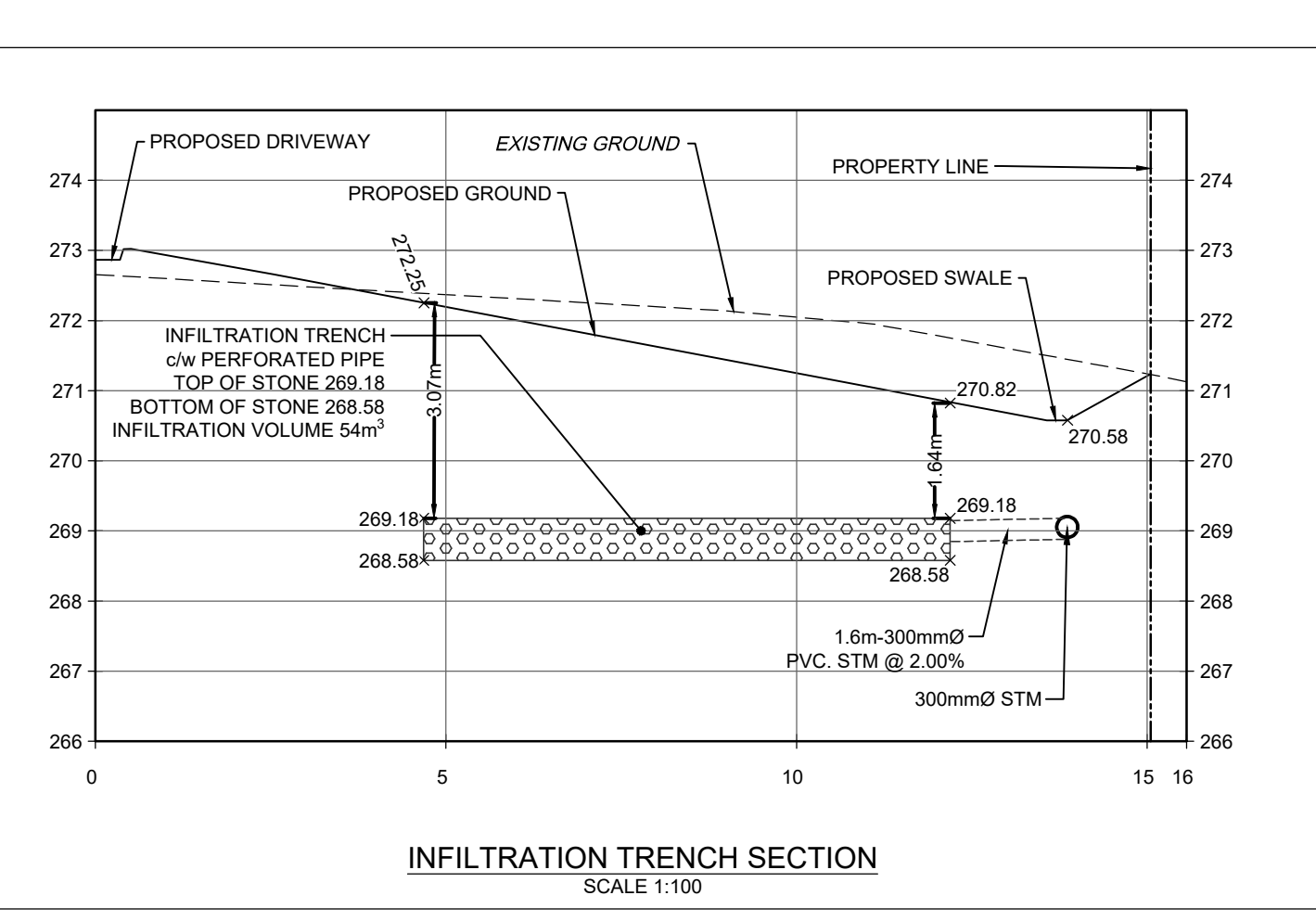
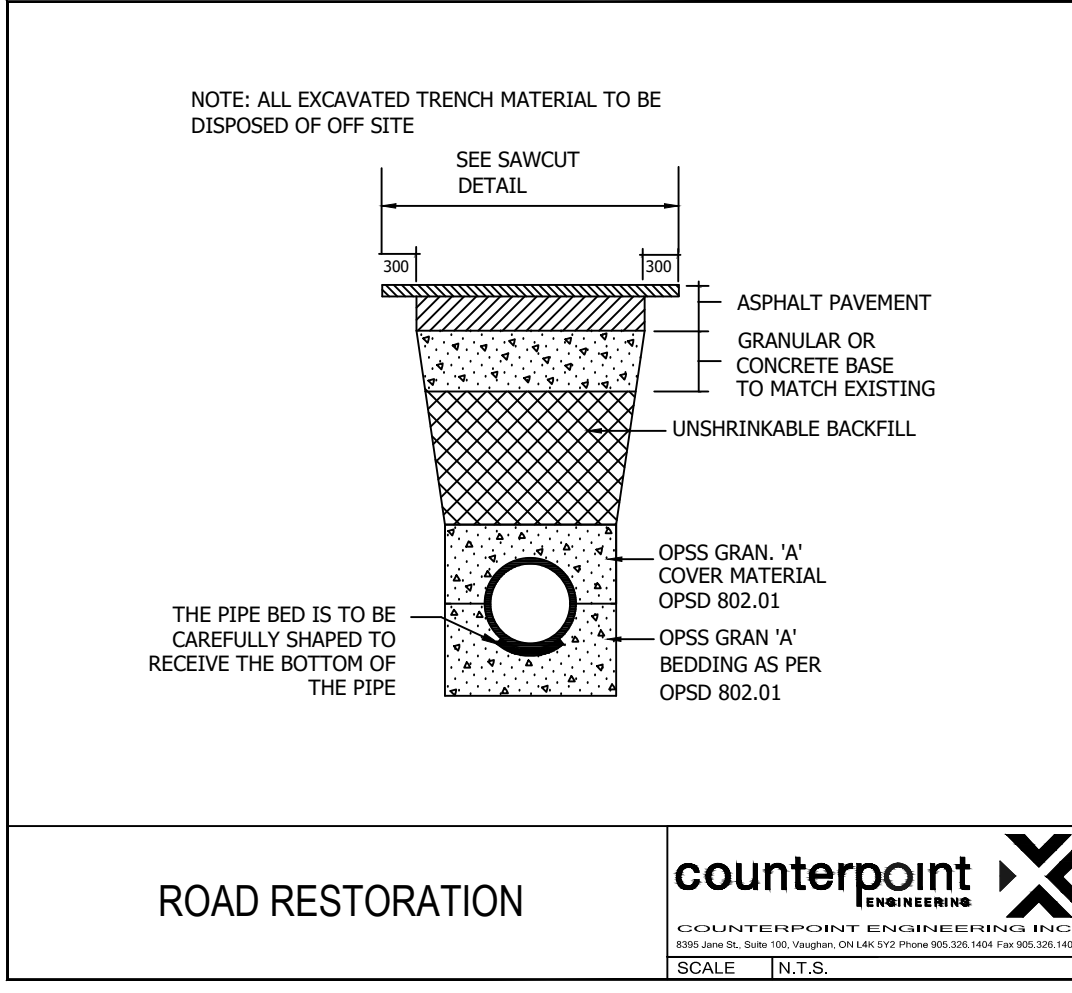
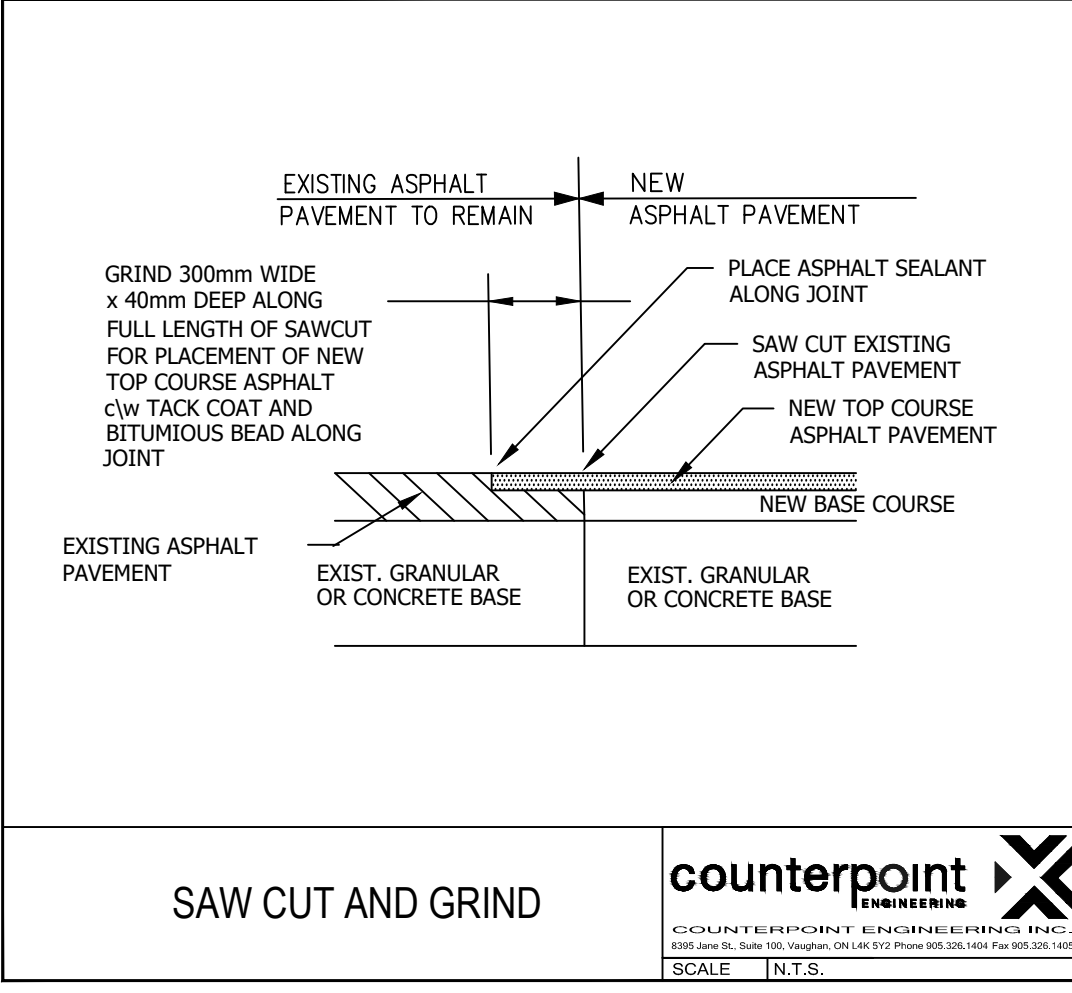
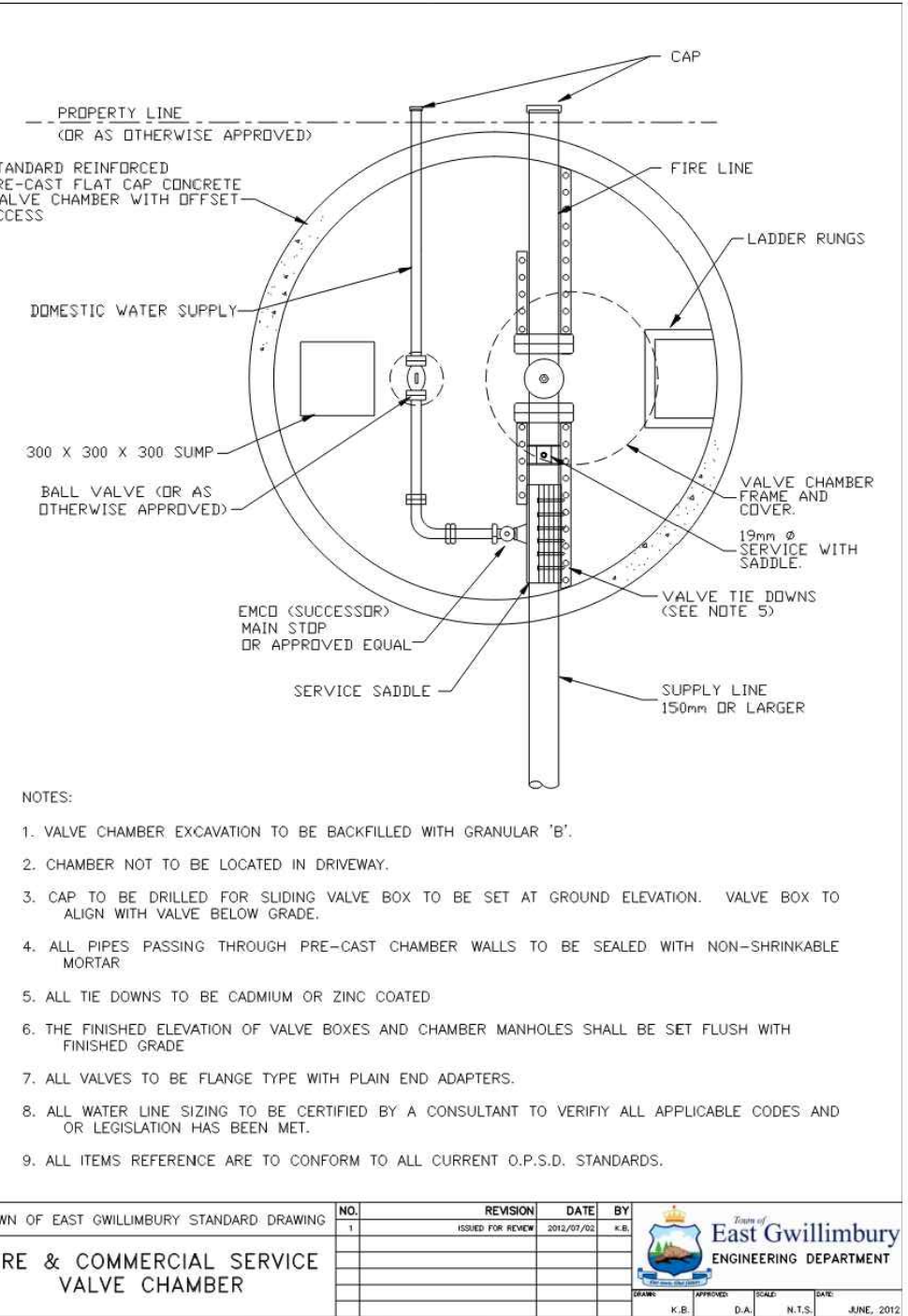
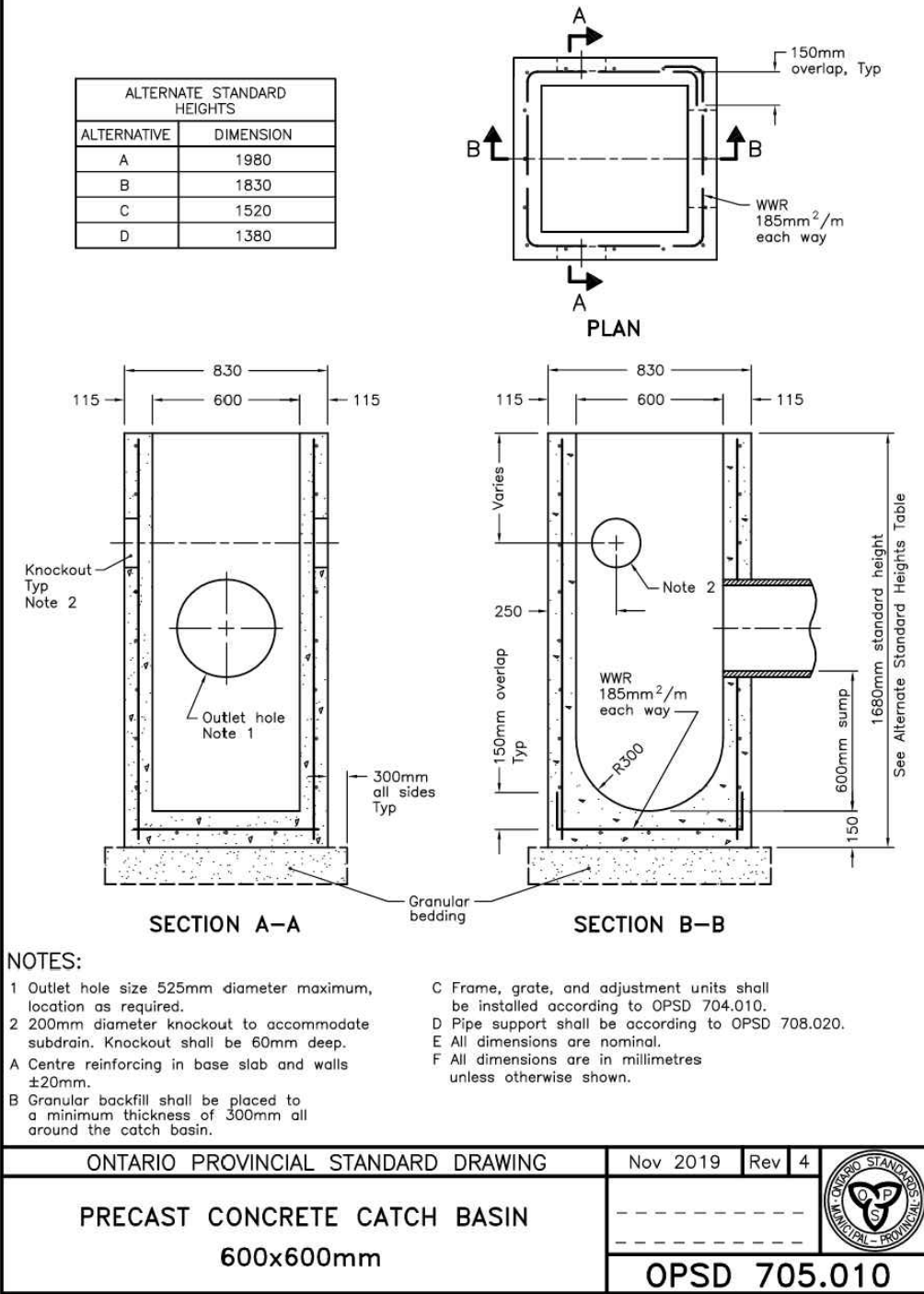
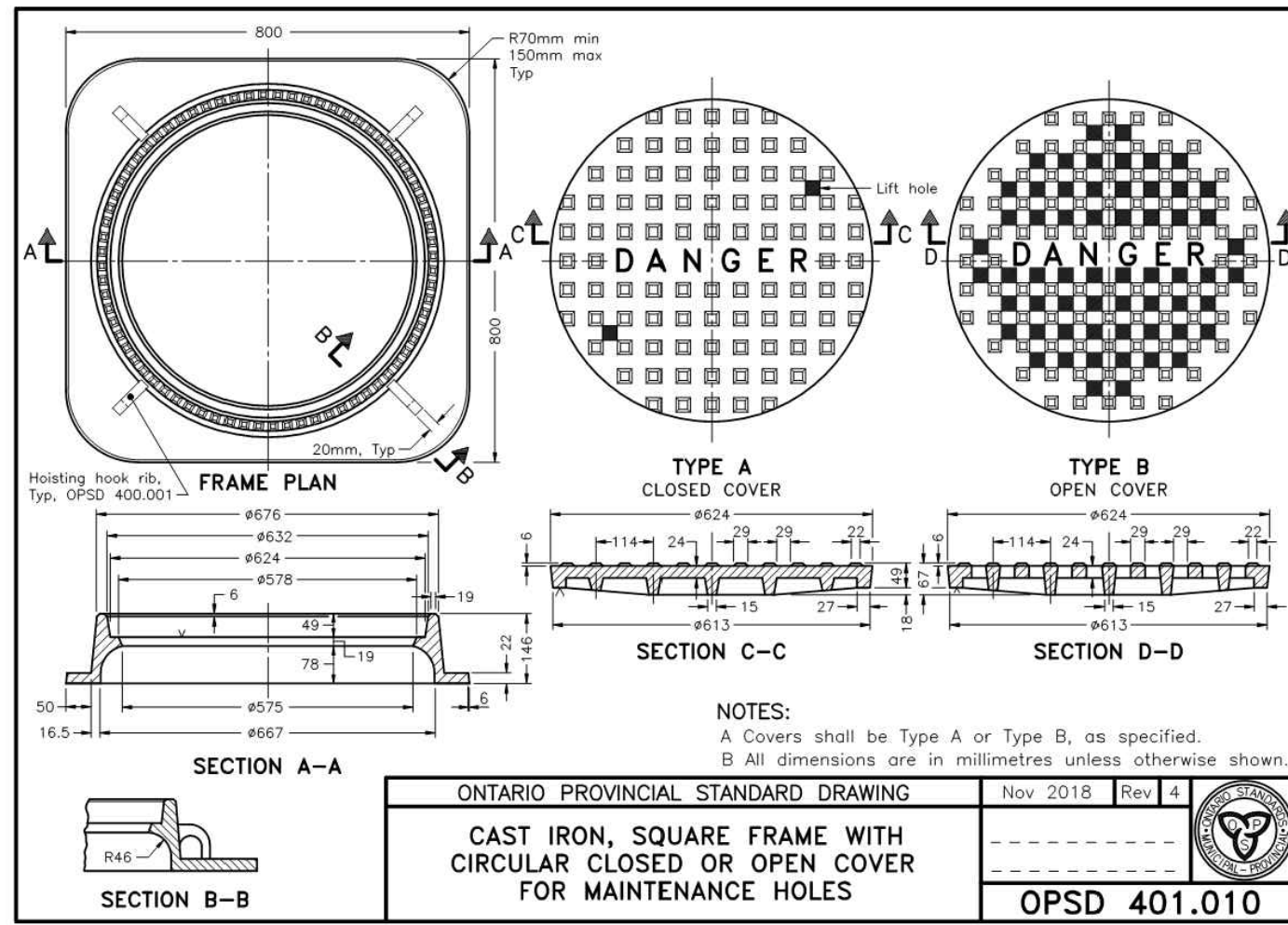
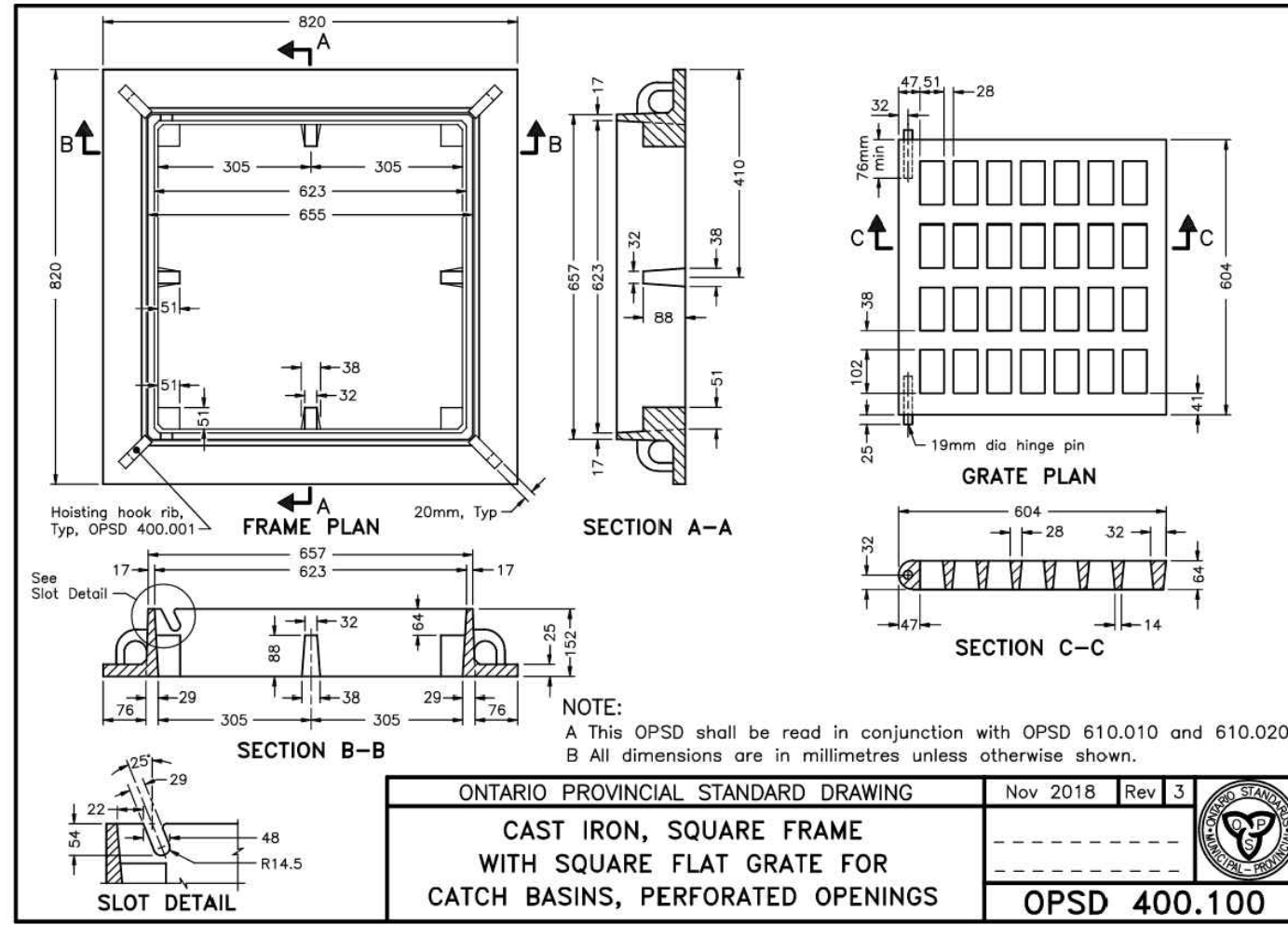
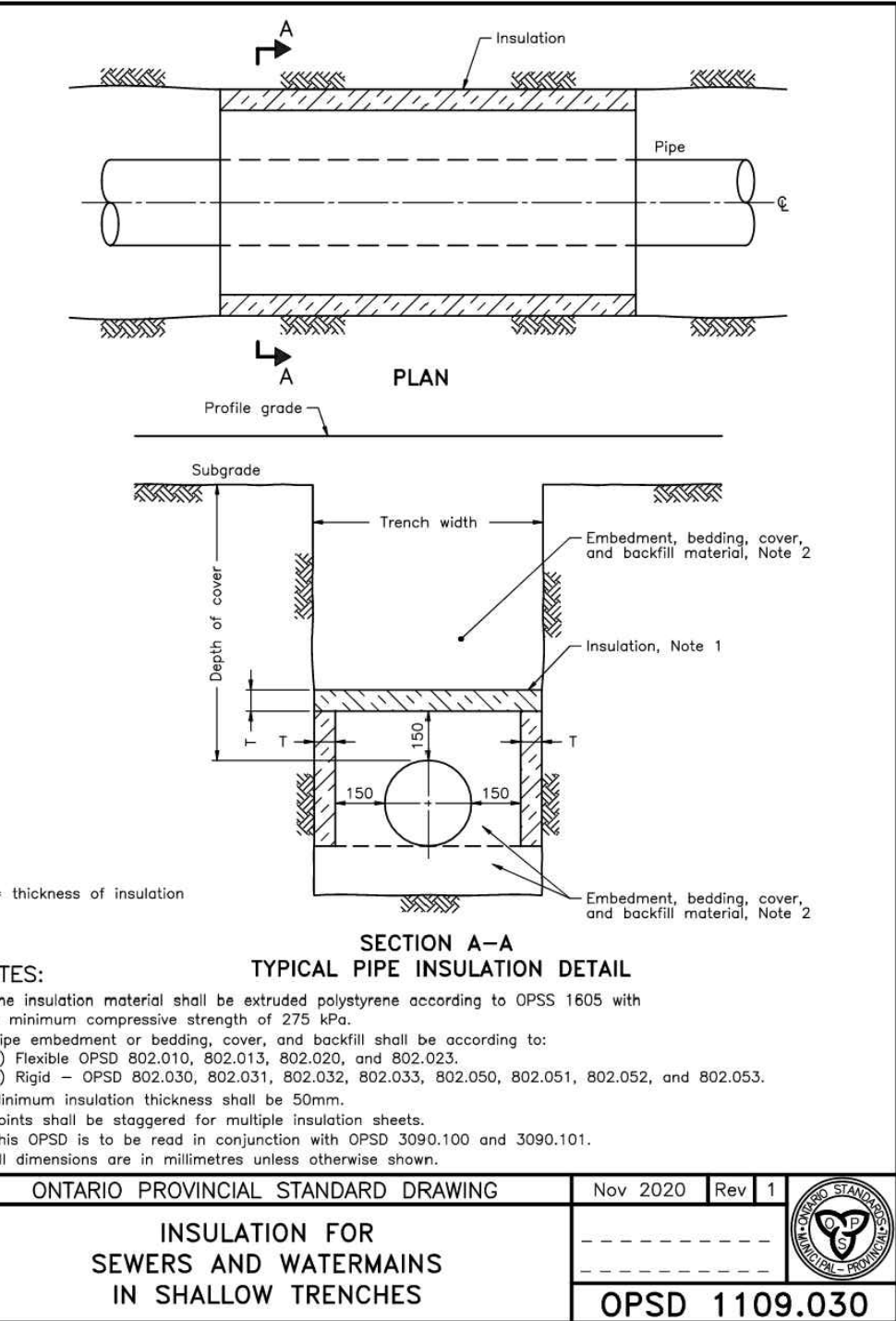
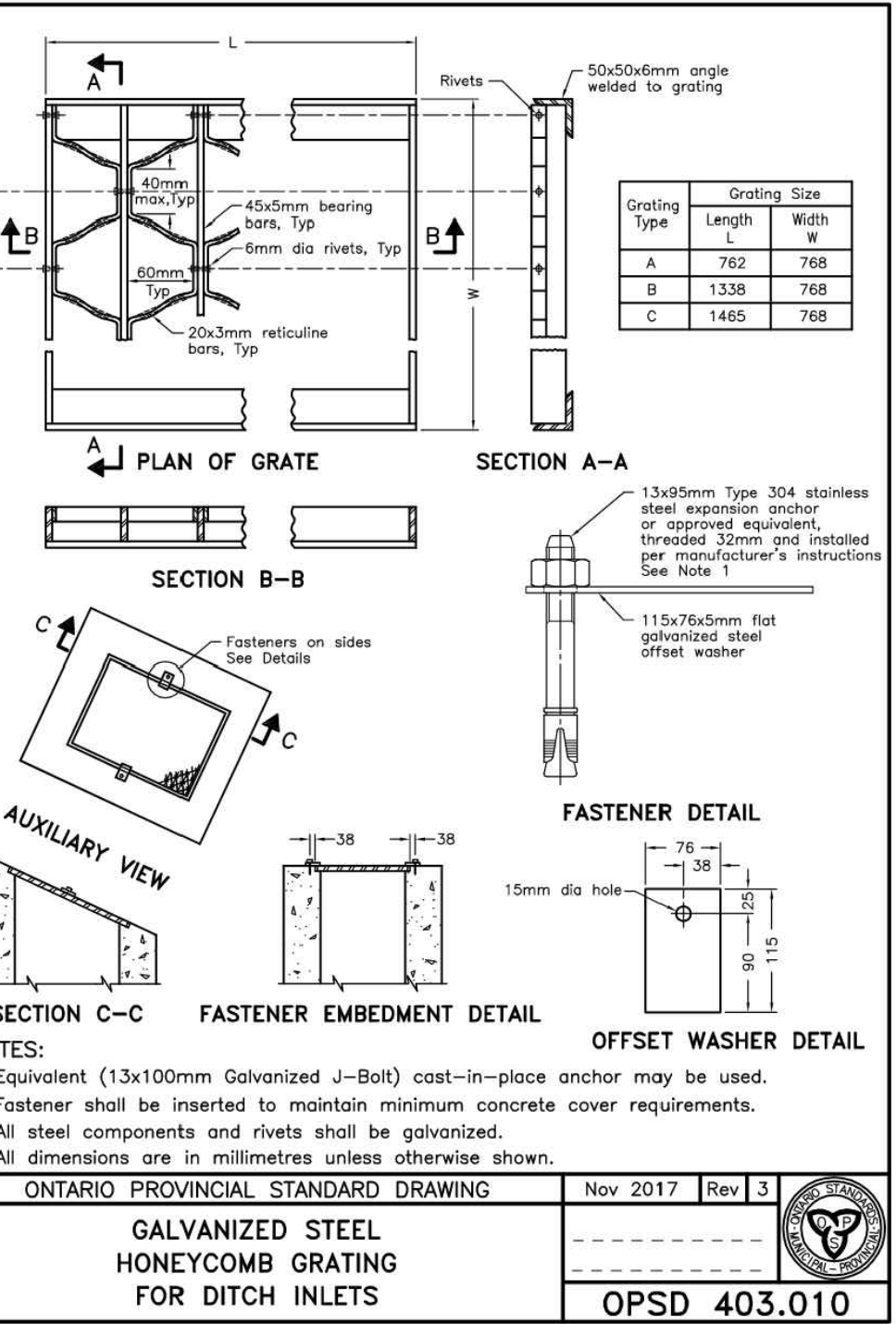
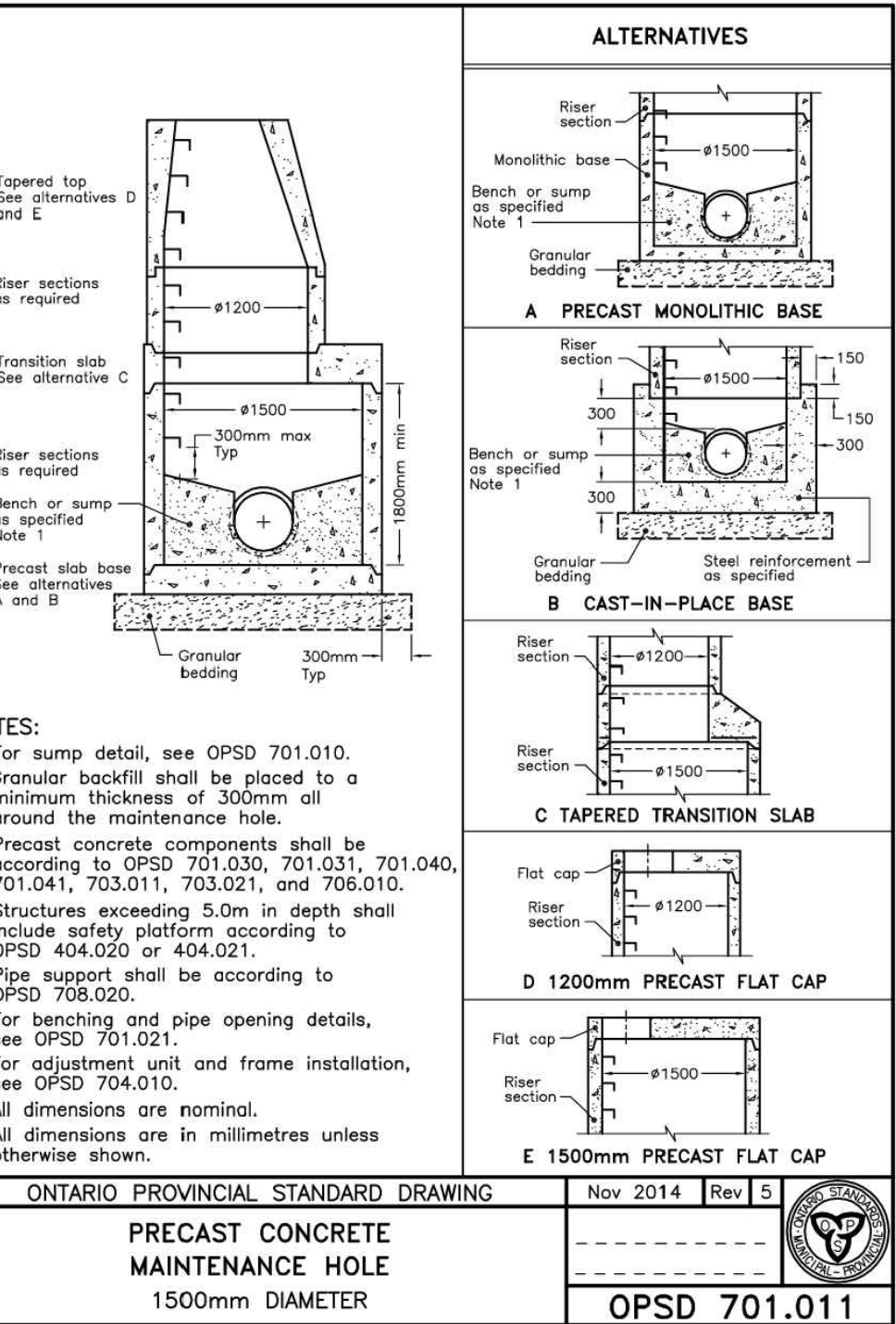
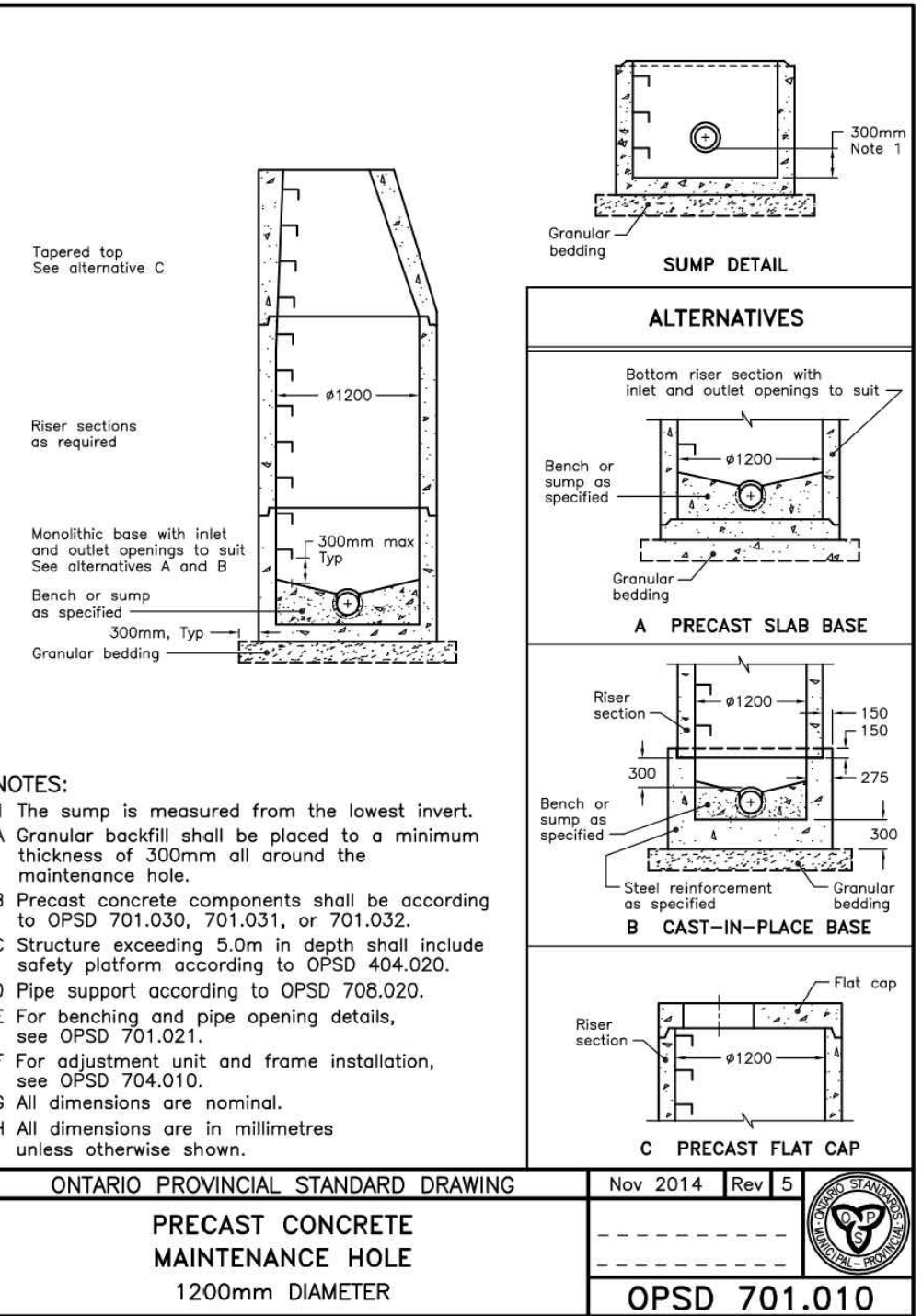
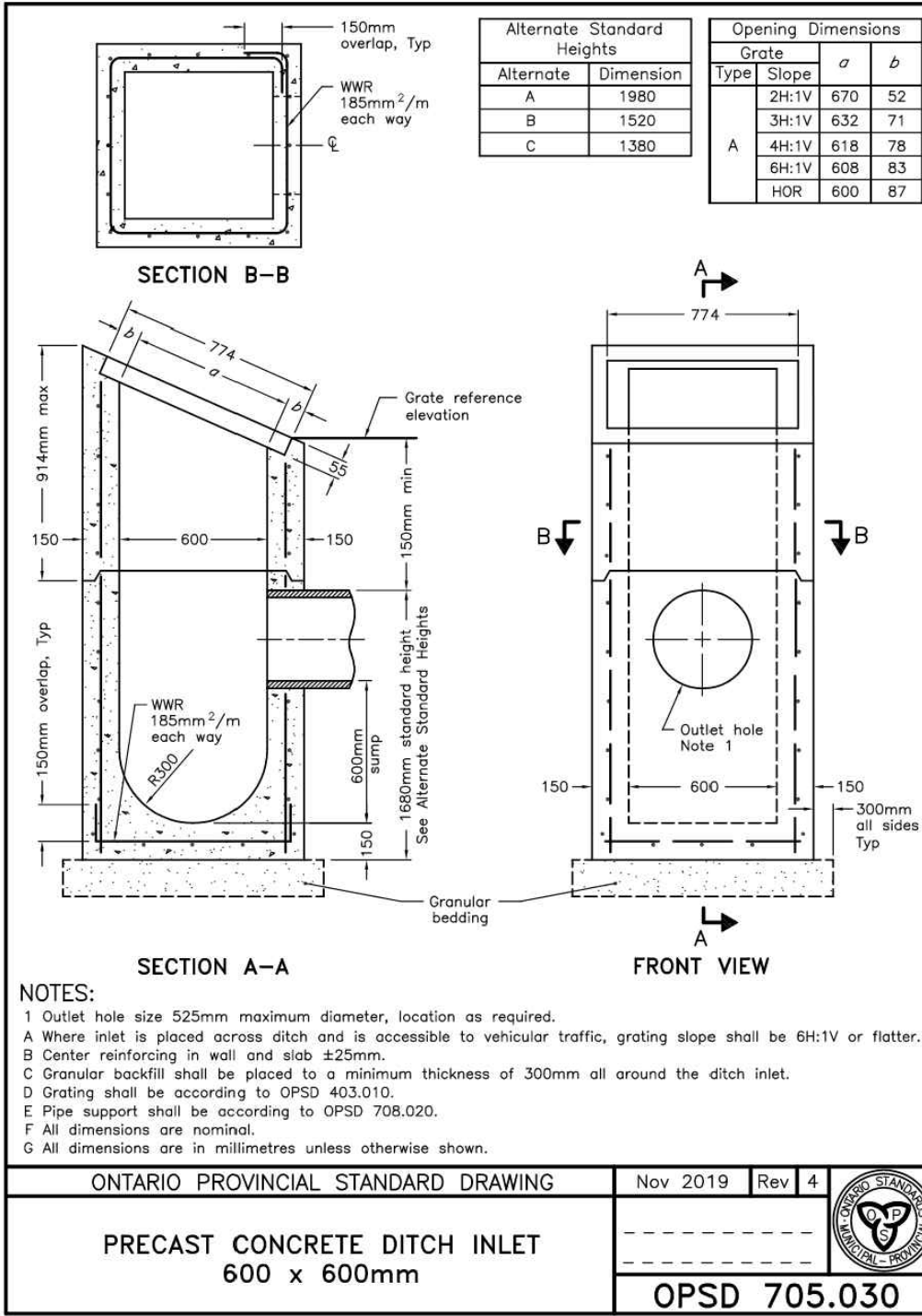
Applicant:

YORK REGIONAL POLICE  
47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

Drawing Scale:

Drawing No:

C-401



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1. ALL WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CURRENT MUNICIPAL, AND ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
2. ALL CONSTRUCTION SIGNING MUST CONFORM TO THE M.T.O. MANUAL OF "UNIFORM TRAFFIC CONTROL DEVICES".
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONTRACTOR AS DEFINED IN ACT.
4. THE CONTRACTOR SHALL OBTAIN ALL RELEVANT PERMITS.
5. CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE MUNICIPALITY FOR WORK WITHIN PUBLIC RIGHTS-OF-WAY.
6. FOR BUILDING LOCATION SITE LAYOUT AND BOUNDARY INFORMATION REFER TO LANDSCAPE SITE PLAN.

- UNLESS OTHERWISE SPECIFIED.
2. CONCRETE TOE WALLS PER OPSD 310.200.100. WHERE HEIGHT EXCEEDS 0.6m INSTALL GUARD PER DETAIL ON THE ARCHITECTURAL SITE PLAN.
3. ALL DRIVEWAYS SHALL BE SET BACK A MINIMUM OF 1.2 METRES FROM ABOVE GROUND SERVICES OR OTHER OBSTRUCTIONS.
4. AT ALL ENTRANCES TO THE SITE, THE MUNICIPAL CURB AND SIDEWALK WILL BE CONTINUOUS THROUGH THE DRIVEWAY. THE DRIVEWAY GRADE WILL BE COMPATIBLE WITH THE EXISTING SIDEWALK AND DEPRESSED CURB WILL BE PROVIDED FOR EACH ENTRANCE. ACCESS CONSTRUCTION AS PER APPLICABLE CITY STANDARDS.
5. CONCRETE SIDEWALK TO BE AS PER OPSD 310.010 AND 310.020 WHERE ADJACENT TO A CURB. CONCRETE SIDEWALKS TO BE 1.5m UNLESS SPECIFIED OTHERWISE ON THE ARCHITECTURAL SITE PLAN.

1. ALL PVC GRAVITY SEWER PIPE SHALL BE EQUAL TO A.S.T.M. SPECIFICATIONS D-3034-77C WITH "LOCK-IN" RUBBER SEALING RING.
2. ALL HOUSE SERVICES SHALL BE CONNECTED TO SEWER WITH TEES. PIPE: 125mm PVC, c/w 125 X 100 PVC WATERTIGHT CLEANOUT AT PROPERTY LINE.
3. SERVICES SHALL BE EXTENDED 1.5 m INSIDE THE PROPERTY LINE AND PLUGGED.
4. PIPE TO BE GREEN IN COLOUR. ALL SERVICES TO BE MARKED WITH 50 mm x 100 mm x 2.4 m STAKES, PAINTED GREEN FOR SANITARY.
5. ALL SEWER CONNECTIONS TO MANHOLES SHALL BE CONSTRUCTED BY MEANS OF A PVC MANHOLE ADAPTER.
6. THE BEDDING MATERIAL SHALL EXTEND TO 300 mm ABOVE THE PIPE AND COMPACTION TESTS ARE REQUIRED BEFORE THE TRENCH IS BACKFILLED. BACKFILL SHALL BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY.
7. MANHOLES SHALL BE TO STANDARD DRAWINGS OPSD 701.01 TO 701.08 (INCLUSIVE).
8. ALL SANITARY MANHOLES SHALL BE BENCHED THROUGHOUT TO THE SPRING LINE, AS PER STANDARD DRAWINGS, EXCEPT AS OTHERWISE NOTED.
9. ALL SANITARY MANHOLES SHALL HAVE MONOLITHIC PRE-BENCHED BASES WITH PRE-MANUFACTURED CONNECTIONS.
10. 6.2ALL SANITARY MANHOLES CONSTRUCTED IN THE VICINITY OF LOW POINTS OR OUTSIDE OF THE PAVED ROADWAY SHALL HAVE WATERTIGHT COVERS. ALL MANHOLES LOCATED IN CUL-DE-SACS SHALL HAVE WATERTIGHT COVERS.
11. SANITARY SEWER BEDDING SHALL BE TO STANDARD DRAWING OPSD 802.03, CLASS "B" (UNLESS OTHERWISE NOTED AND APPROVED).
12. ALL LATERALS SHALL BE CONSTRUCTED ACCORDING TO STANDARD DRAWINGS OPSD 1006.01.

1. MAINTENANCE HOLES (MHs) TO BE PRECAST AS PER OPSD 701.01 AND BENCHED IN ACCORDANCE WITH CITY STANDARDS.
2. STORM SEWERS UP TO AND INCLUDING 600mm DIAMETER SHALL BE HDPE WITH BEDDING AS PER OPSD 802.01, UNLESS OTHERWISE NOTED. CONCRETE PIPE LARGER THAN 600mm DIAMETER TO BE CLASS 100-D WITH CLASS 'B' BEDDING AS PER OPSD 802.03. ALL SEWER PIPE SHALL HAVE RUBBER GASKET JOINTS.
3. SINGLE CATCHBASIN SHALL BE AS PER OPSD 705.010. CATCHBASIN LEADS TO BE 250mm DIAMETER, AT 2% UNLESS OTHERWISE NOTED.
4. DOUBLE CATCHBASINS SHALL BE AS PER OPSD 705.020. LEADS TO BE 300mm DIAMETER AT 2% UNLESS OTHERWISE NOTED.
5. TRENCH BACKFILL TO BE COMPACTED TO MINIMUM 98% SPMDM IN THE LAST 0.6m TO THE SUBGRADE AND BELOW TO 95% SPMDM. TRENCHES WITHIN THE PAVED AREA OF EXISTING PUBLIC ROADS SHALL BE VERTICAL TRENCHES AND BE BACKFILLED WITH NON-SHRINKABLE MATERIALS.
6. CULVERTS TO BE CORRUGATED STEEL PIPE HAVING MINIMUM DIAMETER OF 300mm AND MINIMUM 1.6mm THICKNESS. CULVERTS TO BE INSTALLED WITH MANUFACTURED END SECTIONS
7. ALL CONCRETE PIPE SHALL HAVE SEALED JOINTS WITH GASKETS AND PIPE CLASS AS SHOWN ON DRAWINGS.

ALL WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CURRENT MUNICIPAL, AND ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.

2. ALL CONSTRUCTION SIGNING MUST CONFORM TO THE M.T.O. MANUAL OF "UNIFORM TRAFFIC CONTROL DEVICES".
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONTRACTOR AS DEFINED IN ACT.
4. THE CONTRACTOR SHALL OBTAIN ALL RELEVANT PERMITS.
5. CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE MUNICIPALITY FOR WORK WITH MAJOR PUBLIC RIGHTS-OF-WAY.
6. FOR BUILDING LOCATION SITE LAYOUT AND BOUNDARY INFORMATION REFER TO LANDSCAPE SITE PLAN.
7. EXACT LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY EXCAVATION. THE LOCATION OF ALL UNDERGROUND GROUND UTILITIES AND STRUCTURES IS APPROXIMATE ONLY, AND WHERE SHOWN ON THE DRAWING(S), THE ACCURACY OF THE LOCATION OF SUCH UTILITIES IS NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES BY CONSULTING THE APPROPRIATE AUTHORITIES OR UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OR RESTORATION TO SAME.
8. CONTRACTOR TO CONFIRM INVERT ELEVATION OF EXISTING SERVICES PRIOR TO STARTING CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED TO ENGINEER.

## WATERMAINS NOTES

1. ALL MATERIALS AND CONSTRUCTION METHODS MUST CONFORM TO THE CURRENT TOWN STANDARDS AND SPECIFICATIONS.
2. ALL WATERMAIN AND/OR WATER SERVICE MATERIALS 100mm AND LARGER MUST BE DR-18 PVC PIPE CLASS 150. SIZE 50mm AND SMALLER MUST BE TYPE 'K' COPPER.
3. ALL WATERMAINS AND/OR WATER SERVICES TO HAVE MINIMUM 1.7m COVER WITH A MINIMUM HORIZONTAL SEPARATION OF 1.2M FROM THEMSELVES AND ALL OTHER UTILITIES.
4. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50mm OUTLET ON 100mm AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN INTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100mm DIA. MIN. ON A HYDRANT.
5. ALL CURB STOPS TO BE 3.0m OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
6. WATERMAINS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 0.30m ABOVE AND 0.50m UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
7. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
8. WATERMAIN PIPE SHALL BE PVC C900 (THICK WALL PIPE). PIPE IS TO BE WRAPPED WITH STRAND 14-GAUGE STRAND COPPER WIRE AND WIRE IS TO BE BROUGHT TO GRADE AT ALL MAINLINE VALVES AND HYDRANT SECONDARY VALVES, AND A HOLE DRILLED SIX INCHES (6"150mm) DOWN FROM UPPER SECTION AND WIRE INSERTED THROUGH THIS HOLE FOR PROTECTION.
9. ALL SPLICES ARE TO BE DONE ABOVE GRADE OR USING A MOISTURE-PROOF SEAL.
10. HYDRANTS AND VALVES SHALL BE PER OPSD 1105.01. ALL HYDRANTS ARE TO BE SELF-DRAINING (UNLESS IN AREAS WITH HIGH WATER TABLE). ALL HYDRANTS ARE TO BE EQUIPPED WITH ONE (1) FOUR-INCH (4") PUMPER PORT WITH MANUFACTURER'S "STORTZ" FITTING. TOWN APPROVED HYDRANTS ARE CANADA VALVE (CANVAL) ONLY.
11. ALL SERVICE CONNECTION STUBS SHALL BE MARKED WITH 50 mm x 100 mm x 2.4 m STAKES, PAINTED BLUE FOR WATER.
12. ALL CURB STOPS, MAIN STOPS AND COUPLINGS ARE TO BE COMPRESSION TYPE FITTINGS, i.e. CARRINGTON SUCCESSOR BALL VALVE TYPE, WHICH MUST BE APPROVED BY THE TOWN C/W STAINLESS STEEL RODS AND BRASS PIN.
13. ALL BENDS AND TEES SHALL BE OPSD 1103.01 AND 1103.02 AND BLOCKED TO UNDISTURBED GROUND.
14. WHERE THE TOWN APPROVES WATERMAIN CONSTRUCTION WITH LESS THAN THE ABOVE NOTED MINIMUM COVER, THE WATERMAIN SHALL BE INSULATED TO THE TOWN'S SATISFACTION.
15. ALL MECHANICAL CONNECTIONS SHALL BE PROTECTED AGAINST CORROSION THROUGH THE USE OF CORROSION PROTECTION DURATION NUTS. NUTS SHALL BE USED ON 50% OF ALL I-BOLTS PER CONNECTION AND ARE TO BE USED IN ADDITION TO STANDARD FASTENING NUTS, NOT IN PLACE OF STANDARD NUTS.

1. DEPARTMENT STANDARDS AND SPECIFICATIONS AND TO THE SATISFACTION OF THE TOWN.
2. LOCATIONS OF EXISTING SERVICES IS NOT GUARANTEED. THE CONTRACTOR IS TO NOTIFY UTILITY COMPANIES FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
3. FOR DIMENSIONS AND DETAILS NOT SHOWN, SEE STANDARD DRAWINGS.
4. ALL WORKS MUST BE CARRIED OUT ACCORDING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT (UPDATED 2011), REGULATIONS FOR CONSTRUCTION PROJECTS AND ALL RELATED ALBERTA REGULATIONS APPLICABLE TO CONSTRUCTION ACTIVITY.
5. SEWER AND WATERMAIN TRENCHES SHALL BE BACKFILLED TO TOWN OF EAST GUILMBURY STANDARDS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
6. ALL STANDARD DRAWINGS SHALL BE PER O.P.S.D. (MOST RECENT REVISION) UNLESS OTHERWISE SPECIFIED.
7. ALL DIMENSIONS SHALL BE IN METRES EXCEPT PIPE DIAMETER, WHICH IS IN MILLIMETRES, UNLESS OTHERWISE SPECIFIED.
8. ROAD SUBGRADE TO BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY. GRANULAR MATERIALS ARE TO BE SPREAD AND COMPACTED IN 200 mm LAYERS TO A MINIMUM OF 100% STANDARD PROCTOR DENSITY. ASPHALT IS TO BE COMPACTED TO MINIMUM 96% STANDARD PROCTOR DENSITY.
9. PAVEMENT DESIGN: REFER TO THE GEOTECHNICAL REPORT RECOMMENDATIONS.
10. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REINSTATED TO ORIGINAL OR BETTER CONDITION.
11. SUB-DRAINS ARE TO BE INSTALLED THROUGHOUT UNLESS OTHERWISE APPROVED.
12. NO MANHOLE COVERS WILL BE PERMITTED TO BE CONSTRUCTED IN ANY PART OF THE SIDEWALK.

1. SERVICE CONNECTIONS AND UTILITY CUTS MADE IN ROAD PAVEMENTS SHALL BE BACKFILLED WITH UNSHRINKABLE FILL.
2. ALL AREAS DISTURBED DURING CONSTRUCTION WITHIN THE MUNICIPAL RIGHT-OF-WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AND TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR. GRASS AREAS SHALL BE TREATED WITH 100 mm OF TOPSOIL AND SHALL BE SODDED ACCORDING TO OPSS 803.
3. ALL EXISTING UTILITIES SHOWN ON DRAWINGS ARE FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE ACTUAL LOCATION AND DEPTH OF ANY UTILITY AND SHALL BE LIABLE FOR ALL OR ANY DAMAGE.
4. ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND CONSTRUCTION DRAWINGS MUST BE REPORTED TO THE CITY PRIOR TO COMMENCEMENT OF CONSTRUCTION AND APPROPRIATE ACTION TAKEN TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
5. ALL SURVEY STAKE LAYOUT POINTS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE LAYOUT SHALL BE IMMEDIATELY REPORTED TO THE CITY.
6. AT ALL LOCATIONS WHERE THE PROPOSED WATERMAIN CROSSES UNDER OR ABOVE THE EXISTING SEWERS, OR UTILITIES, GRANULAR A BEDDING MATERIAL IS TO BE TAKEN FROM THE LOWER PIPE TO THE TOP OF THE UPPER PIPE. GRANULAR A TO BE COMPACTED TO MINIMUM 98% OF MAXIMUM DRY DENSITY.
7. CONTRACTOR TO PROVIDE ADEQUATE SUPPORT DURING CONSTRUCTION BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS. MAINTAIN 300 mm MINIMUM VERTICAL CLEARANCES BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS LESS THAN 300 mm IN DIAMETER. MAINTAIN 600 mm MINIMUM VERTICAL CLEARANCE BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS EQUAL TO OR GREATER THAN 300 mm IN DIAMETER.
11. ALL TRENCHING SHALL BE IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT. TRENCH SIDES SHALL BE FLATTENED IN ACCORDANCE WITH DIRECTIONS FROM THE GEOTECHNICAL ENGINEER. CONSTRUCTION OF SHORING, BRACING AND PROTECTION SCHEMES SHALL CONFORM TO OPSS 538 & 539.
12. ALL EXISTING WATERMAINS AND SEWER PIPES LARGER THAN 300 mm DIAMETER SHALL BE SUPPORTED IN ACCORDANCE WITH MUNICIPAL STANDARDS.
13. ALL TEMPORARY TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION SHALL BE ACCORDING TO ONTARIO TRAFFIC MANUAL THE CURRENT BOOK 7: TEMPORARY CONDITIONS FIELD EDITION.

DESIGN CRETION. THE MINIMUM AND MAXIMUM GRADIENTS FOR GRASSED AREAS SHALL BE 2.0% AND 5.0%, RESPECTIVELY, UNLESS OTHERWISE NOTED. THE SLOPING OF GRASSED AREAS SHALL NOT EXCEED 3:1 (HORIZ.:VERT.) WITH A MAXIMUM VERTICAL ELEVATION NOT IN EXCESS OF THE APPLICABLE TOWN STANDARD. THE MINIMUM AND MAXIMUM GRADIENTS FOR PAVED AREAS SHALL BE 1.0% AND 5.0%, RESPECTIVELY, UNLESS OTHERWISE NOTED.

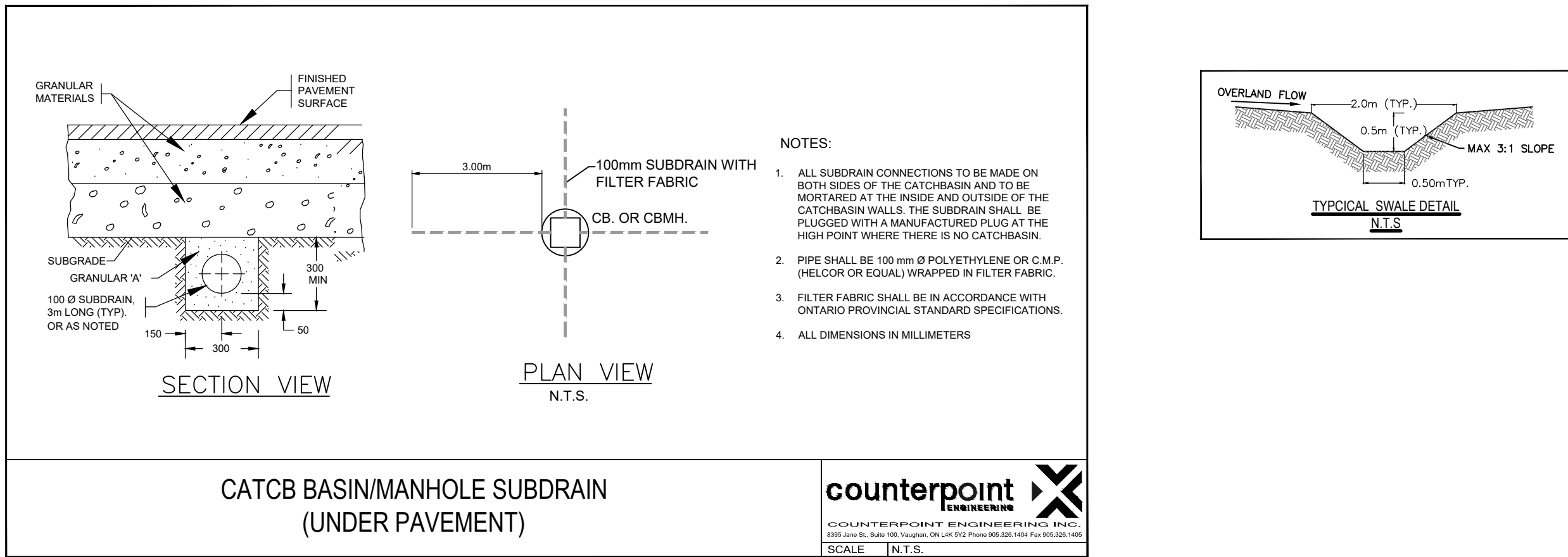
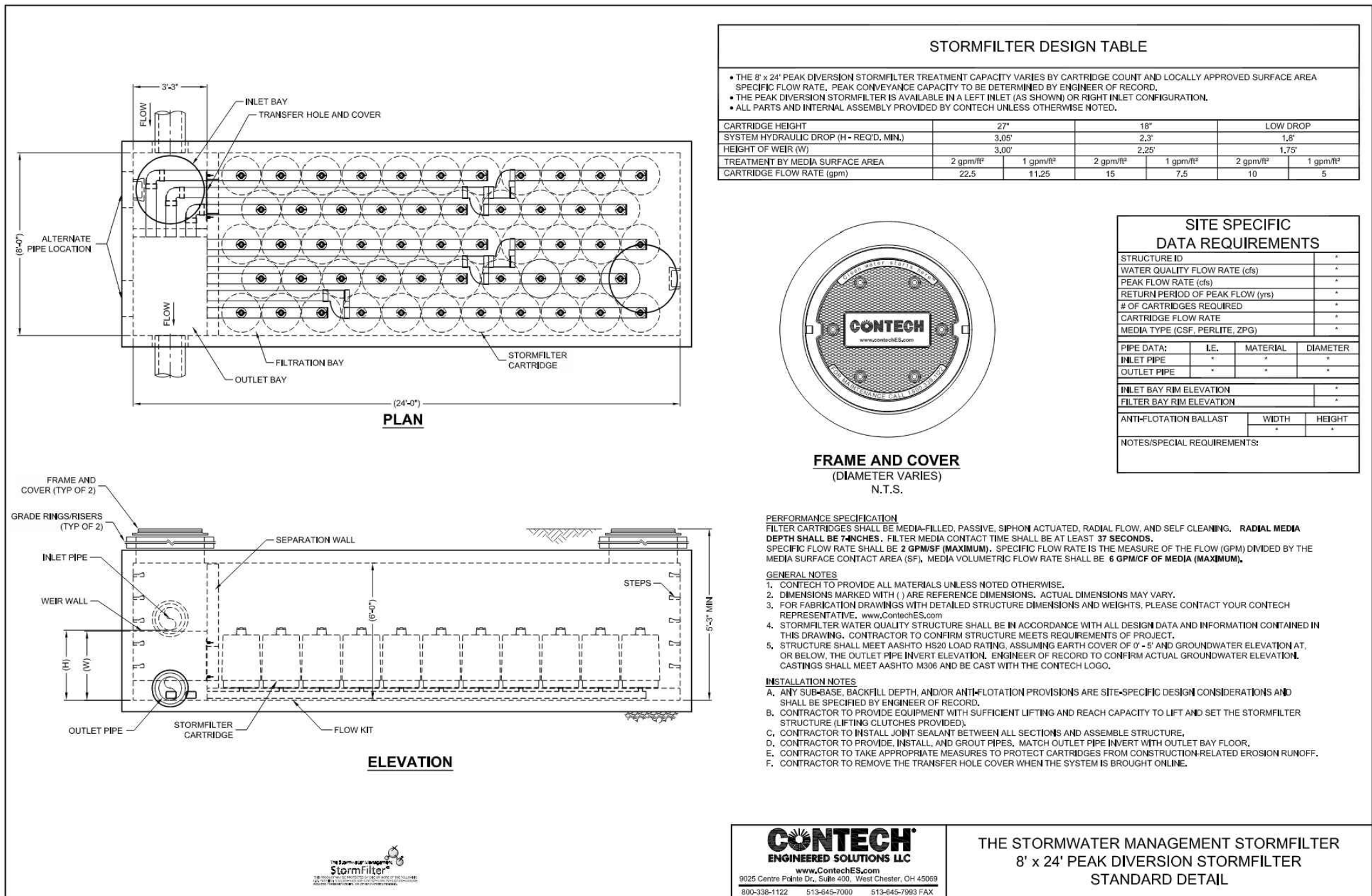
2. ALL EXTERNAL SITE AREAS DISTURBED BY THE ACTIVITIES OF THE CONTRACTOR SHALL BE RESTORED TO EXISTING CONDITION OR BETTER. GRASSED AREAS SHALL BE RESTORED BY PLACING 100mm OF TOPSOIL AND ACTIVELY GROWING NO. 1 NURSERY SOD. ALL BOULEVARDS TO BE SODDED.

3. PROPOSED ELEVATION ALONG SITE PROPERTY LINES MUST MATCH EXISTING ELEVATION UNLESS INDICATED OTHERWISE ON THE SITE GRADING PLAN.

4. ALL ENGINEERED FILL AND BACKFILLING OPERATIONS TO BE INSPECTED BY THE PROJECT GEOTECHNICAL ENGINEER.

- SITE STRIPPING
- SITE GRADING
- FILL PLACEMENT
- ENGINEERED FILL
- COMPACTION REQUIREMENTS
- SEWER BEDDING
- TRENCH BACKFILLING
- PAVEMENT MAKE-UP

1. INSPECTION OF SUB-GRADE IS REQUIRED BY THE GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF PAVEMENT STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF INSPECTIONS WITH THE GEOTECHNICAL CONSULTANT.
2. LIGHT DUTY AND HEAVY DUTY PAVEMENT TO BE CONSTRUCTED AS PER GEOTECHNICAL REPORT AND RECOMMENDATIONS.
3. ALL PAVEMENT MARKING, LINE PAINTING, DIRECTIONAL LINES/ARROWS ETC. SHALL BE PLACED IN ACCORDANCE WITH THE ARCHITECTURAL SITE PLAN.



1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7  
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**A SUBSIDIARY OF DILLON CONSULTING LIMITED**  
8395 Jane St., Suite 100, Vaughan, ON L4K 5Y2 Phone 905.326.1404 Fax 905.326.1405

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

A map showing the location of the Site. The Site is a shaded rectangular area labeled "SITE". It is situated between Highway 60 (running horizontally) and Highway 70 (running vertically). A north arrow is located in the upper left corner, pointing towards the top of the page. The map also shows some surrounding roads and structures.

7.	TENDER ADDENDUM #15	24-12-04
6.	TENDER ADDENDUM #14	24-11-27
5.	TENDER ADDENDUM #7	24-10-03
4.	TENDER ADDENDUM #3	24-09-23
3.	ISSUED FOR TENDER	24-09-09
2.	ISSUED FOR SPA	24-08-30
1.	ISSUED FOR PERMIT	24-07-31
NO.	ISSUED	DATE

## Issues

Stamp:

Checked by:	Drawn by:	Project No:	Date:
PM	PM	24015	24-07-3

Sheet Title:

Applicant: YORK REGIONAL POLICE  
47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

Drawing Scale:

Drawing No:



# PARKIN

Parkin Architects Limited

1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7  
416-467-8000

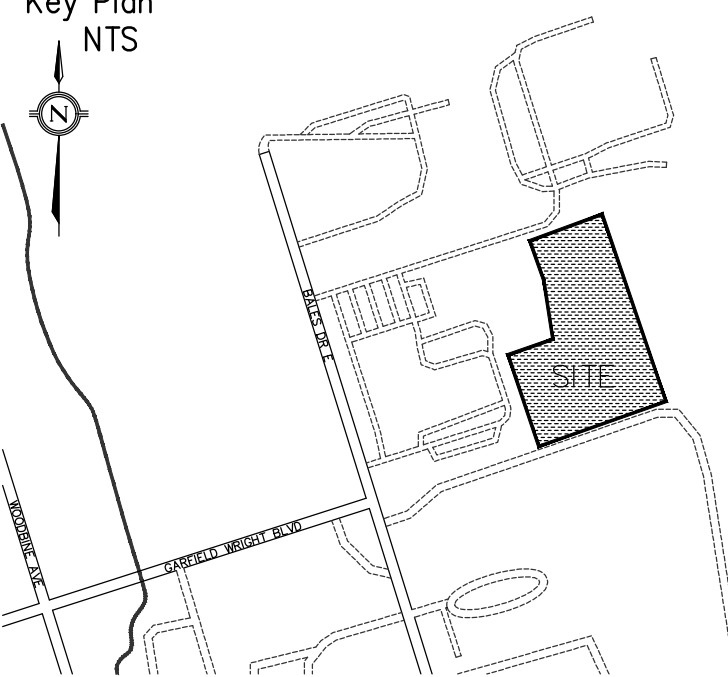
counterpoint  
ENGINEERING

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## YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

Key Plan  
NTS



### LEGEND

- EXISTING CONTOUR
- EXISTING HYDRANT
- EMERGENCY OVERLAND FLOW
- LAYFIELD SEDIMENT TRAP AS PER DETAIL ON THIS SHEET
- SEDIMENT CONTROL FENCE AS PER DETAIL ON THIS SHEET
- PROPERTY LINE
- MUD MAT

6.	TENDER ADDENDUM #14	24-11-27
5.	TENDER ADDENDUM #7	24-10-03
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Issues

Stamp:

Checked by: PM Drawn by: PM Project No: 24015 Date: 24-07-31

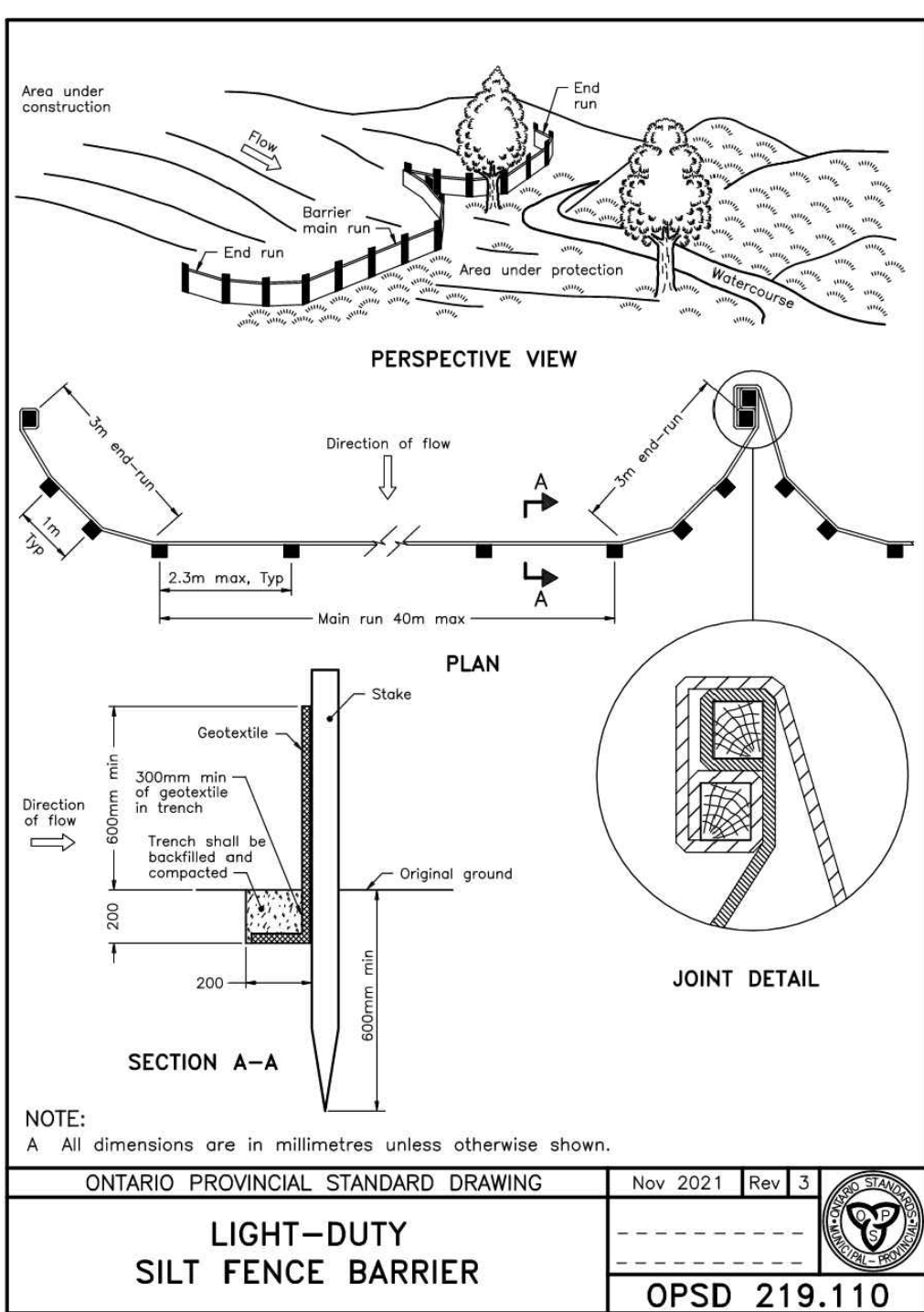
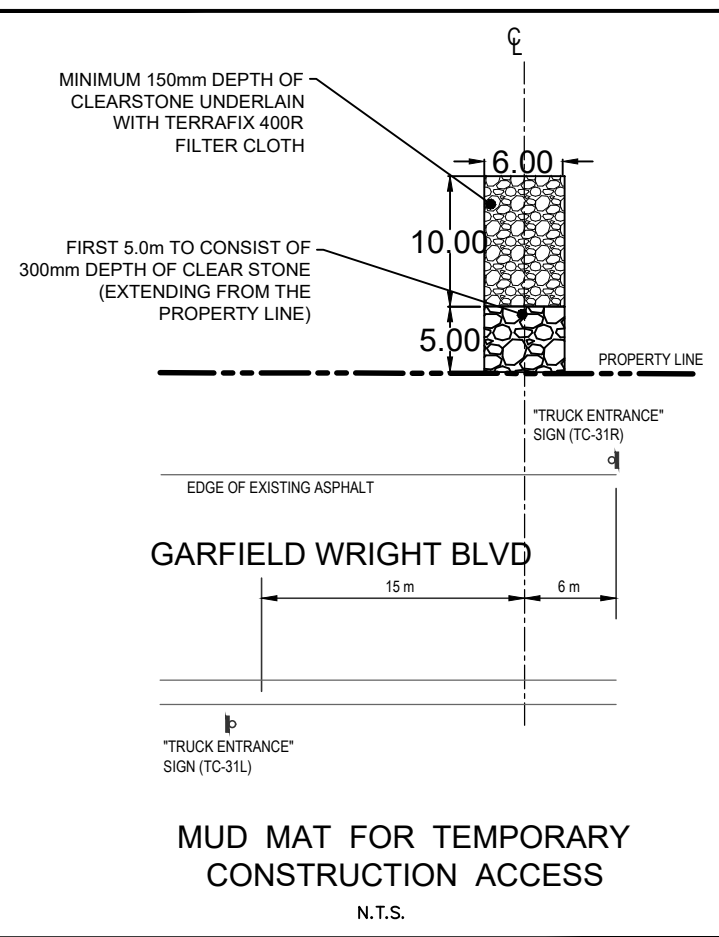
Sheet Title:  
SEDIMENT CONTROL PLAN

Applicant:  
YORK REGIONAL POLICE  
47 DON HILOK DRIVE  
AURORA ONTARIO L4G0S7

Drawing Scale:  
1:500

Drawing No:

C-501



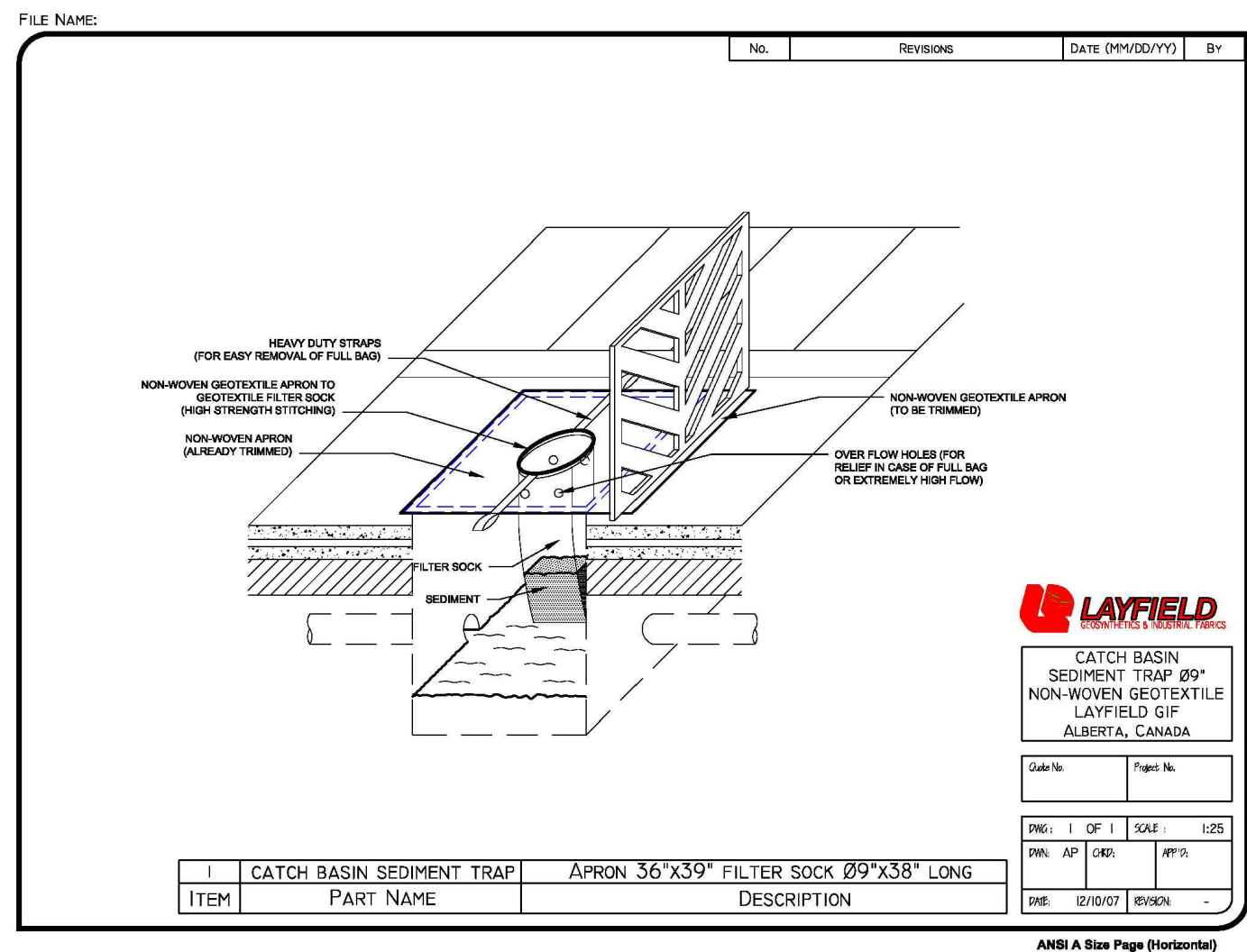
NOTE:  
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2021 Rev 3

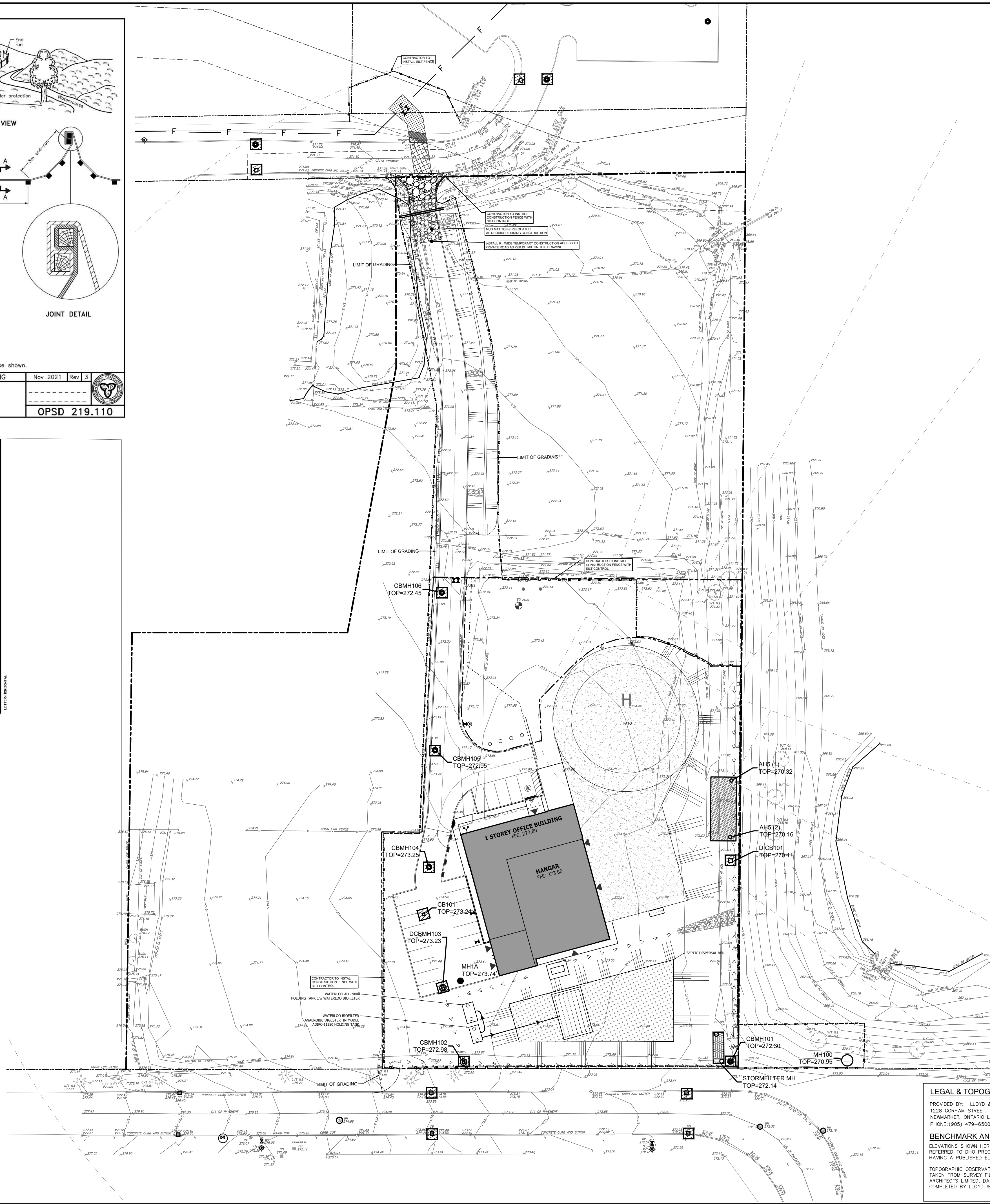
LIGHT-DUTY  
SILT FENCE BARRIER

OPSD 219.110



### EROSION AND SEDIMENT CONTROL MEASURE NOTES

- SEDIMENT BARRIERS AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION.
- ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER UNTIL AREA IS STABILIZED.
- IF NECESSARY, TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
- THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
- ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ON-SITE.
- ALL CONSTRUCTION ACTIVITY WILL COMPLY WITH TOWN OF EAST GWILLIMBURY NOISE BY-LAW.
- SEDIMENT CONTROL FENCE TO BE AS PER OPSD 219.110.
- ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
- ALL TOPSOIL OR MATERIAL STOCKPILES TO BE SURROUNDED WITH SEDIMENT CONTROL FENCING.
- FILTER CLOTH WILL BE PLACED ON THE CATCHBASINS ON (PUBLIC STREET) ACROSS THE PROPERTY'S FRONTAGE.
- 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 LANDSCAPED AREAS ARE SODDED. FILTER FABRIC FOR SILT CONTROL TO BE TERRA FIX 270R OR APPROVED EQUIVALENT.
- STREET SWEEPING, CATCH BASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY.
- ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE MUNICIPAL ROADWAY CLEAN AND WILL WASH AND SWEEP THE ROADWAY AS REQUIRED.
- MUD MATS TO BE RELOCATED/CONSTRUCTED TO THE ENTRANCES WHERE CONSTRUCTION VEHICLES ARE PERMITTED.
- IN THE 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 FENCE, SEDIMENT CONTROL AND MUD MATS
- STREET SWEEPING, CATCH BASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE TOWN OF EAST GWILLIMBURY.
- SEDIMENT BARRIERS AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. TRUCK WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ON PUBLIC RIGHT OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.



### LEGAL & TOPOGRAPHY

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NEWMARKET, ONTARIO L3Y 8Z1  
PHONE: (905) 479-6500

### BENCHMARK AND ELEVATION

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO DHD PRECISE BENCHMARK No. 4750-69 HAVING A PUBLISHED ELEVATION OF 286.775 METERS.

TOPOGRAPHIC OBSERVATIONS SHOWN ON THIS PLAN WERE TAKEN FROM SURVEY FILE PROVIDED BY PARKIN ARCHITECTS LIMITED, DATED MAY 02 2024 AND COMPLETED BY LLOYD & PURCELL LTD.



1	TENDER ADDENDUM #15	24-12-04
NO.	ISSUED	DATE

Sheet Title:

**SITE SERVICING PLAN**

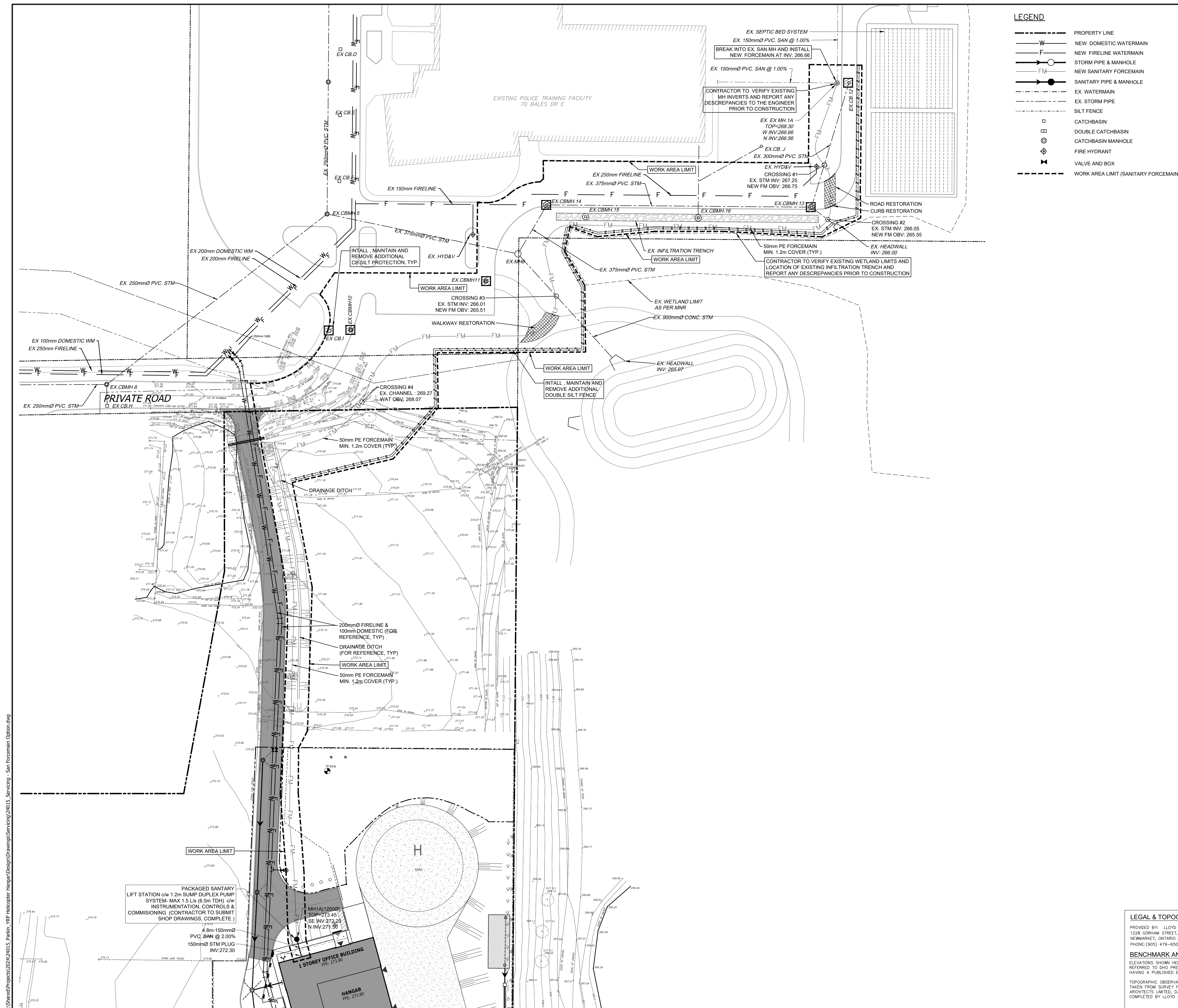
Applicant:

**YORK REGIONAL POLICE**

47 DON HILOCK DRIVE  
AURORA ONTARIO L4G0S7

Drawing No:

C-601



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