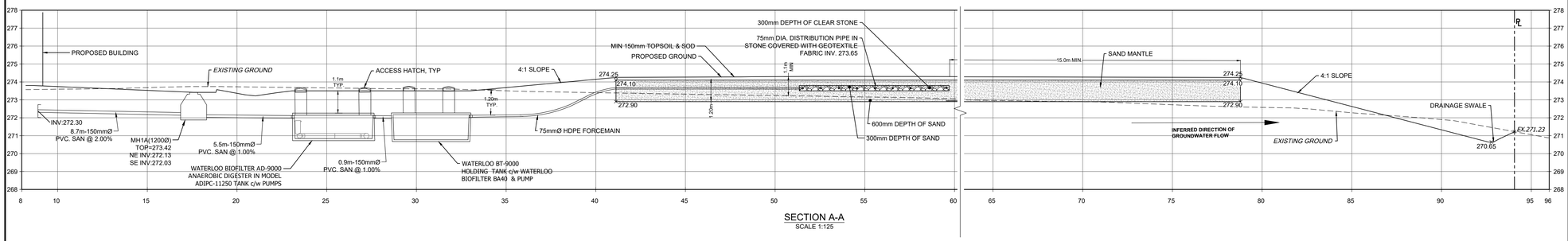

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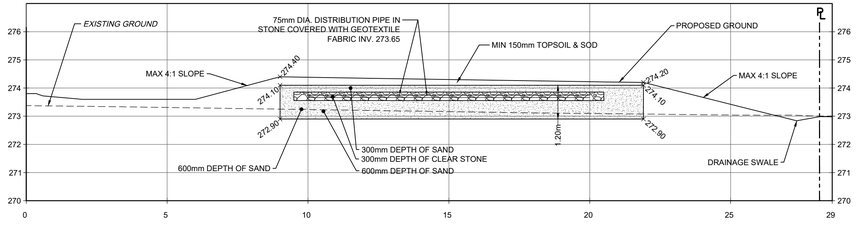

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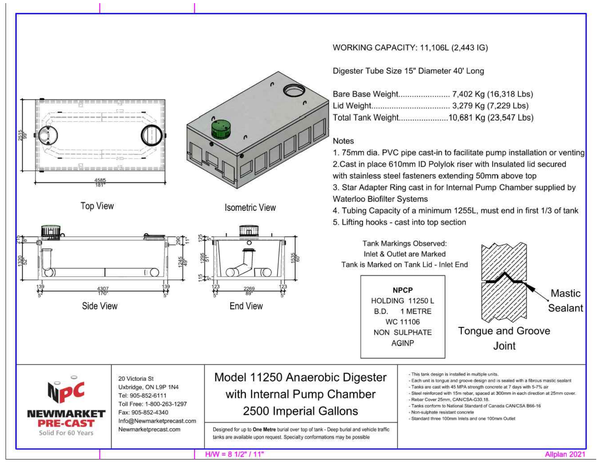

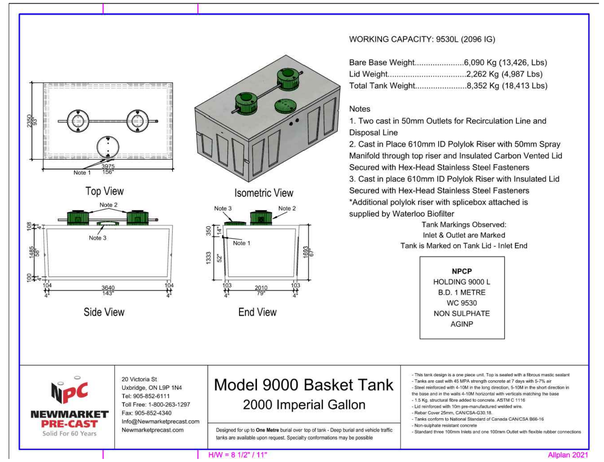

SEPTIC SYSTEM NOTES

GENERAL

1. ALL COMPONENTS OF THIS PRIVATE WASTE DISPOSAL SYSTEM SHALL CONFORM TO THE ONTARIO BUILDING CODE AND THE REQUIREMENTS OF THE MUNICIPALITY
2. WORK ON SEWAGE DISPOSAL SYSTEM IS TO BE INITIATED AND COMPLETED BY ONE LICENSED CONTRACTOR.
3. 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.
4. ALL SANITARY WASTEWATER FROM THE BUILDING IS TO FLOW BY GRAVITY INTO A SEPTIC TANK WITH A MINIMUM OF A COMMERCIALLY AVAILABLE 3,600L TANK.

ANAEROBIC DIGESTER

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

TERTIARY TREATMENT UNITS

8. TERTIARY TREATMENT UNITS ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
9. 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.
10. 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

11. 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

12. 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.
13. CLEAR STONE SHALL BE 19mm WASHED AGGREGATE FREE OF FINES.
14. 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.
15. 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.
16. 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.
17. THE DISPERSAL BED AREA SHALL BE SODDED AND MULCHED IMMEDIATELY UPON COMPLETION TO PREVENT EROSION.
18. 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

19. BUILDING EAVES THROUGH DOWNSPOUTS ARE NOT TO BE CONNECTED TO THE SEWAGE SYSTEM.
20. BUILDING DOWNSPOUTS ARE TO BE DIRECTED TO SPLASH PADS AWAY FROM LEACHING BED AND TANK AREAS.
21. NO LANDSCAPING INVOLVING, BERMS, FOUNDATIONS, PATIOS, WALKWAYS DRIVEWAYS, OR NEWLY PLANTED TREES SHALL BE PERMITTED IN THE DISPERSAL AREA INCLUDING SIDE SLOPES.
22. 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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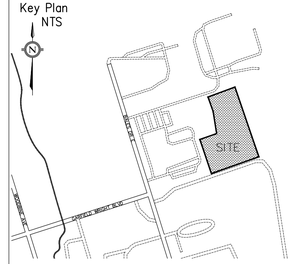
YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan
NTS



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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

Issues

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SEPTIC SYSTEM NOTES & DETAILS

Applicant:

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Drawing Scale:

AS NOTED

Drawing No:

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GENERAL CONSTRUCTION NOTES

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.
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 UNDER/ABOVE 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 ONTO 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. CAMBRIDGE 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 T-BOLTS PER CONNECTION AND ARE TO BE USED IN ADDITION TO STANDARD FASTENING NUTS, NOT IN PLACE OF STANDARD NUTS.

ROADS, DRIVEWAYS AND PARKING AREAS

1. CURBS WITHIN THE SITE TO BE 150mm HIGH BARRIER TYPE AS PER OPSD 600.11-1, UNLESS OTHERWISE SPECIFIED.
2. CONCRETE TOE WALLS PER OPSD 3120.100. 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.

SANITARY SEWERS

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.

STORM SEWERS

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% SPMDD IN THE LAST 0.6m TO THE SUBGRADE AND BELOW TO 95% SPMDD. 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.
8. ALL PVC GRAVITY SEWER PIPE SHALL BE EQUAL TO ASTM SPEC. D-3034-C SDR-35 WITH "LOCK-IN" RUBBER SEALING RING.
9. MANHOLES SHALL BE AS PER STANDARD DRAWINGS OPDS 701.01 TO 701.08 (INCLUSIVE).
10. ALL STORM MANHOLES BE BENCHED THROUGHOUT TO THE CROWN OF ALL PIPES ON A VERTICAL PROJECTION FROM SPRING LINE, AS PER STANDARD DRAWINGS, EXCEPT AS OTHERWISE NOTED.
11. SEWER BEDDING SHALL BE TO STANDARD DRAWING OPSD 802.03 CLASS "B" BEDDING OR AS APPROVED BY THE TOWN.
12. ALL CATCHBASINS SHALL BE CONNECTED TO THE STORM SEWER BY TEES WHERE POSSIBLE, STANDARD DRAWINGS OPSD 700.01 AND 700.02.
13. ALL STORM OUTFALLS THAT EMPTY INTO A DITCH OR WATERCOURSE MUST BLEND WITH THE FLOW OF SAME.
14. ALL PVC JOINTS AT MANHOLES SHALL BE CONSTRUCTED BY MEANS OF A PVC MANHOLE ADAPTER.

TOWN OF EAST GWILLIMBURY GENERAL NOTES

1. ALL SERVICES ARE TO BE TO THE TOWN OF EAST GWILLIMBURY ENGINEERING 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 ONTARIO REGULATIONS APPLICABLE TO CONSTRUCTION ACTIVITY.
5. SEWER AND WATERMAIN TRENCHES SHALL BE BACKFILLED TO TOWN OF EAST GWILLIMBURY 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.

SUPPLEMENTARY CONSTRUCTION NOTES

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 EXTEND 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.

GRADING

1. ALL GRASSED AND PAVED SURFACES SHALL BE GRADED IN ACCORDANCE WITH THE TOWN'S DESIGN CRITERIA. 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.

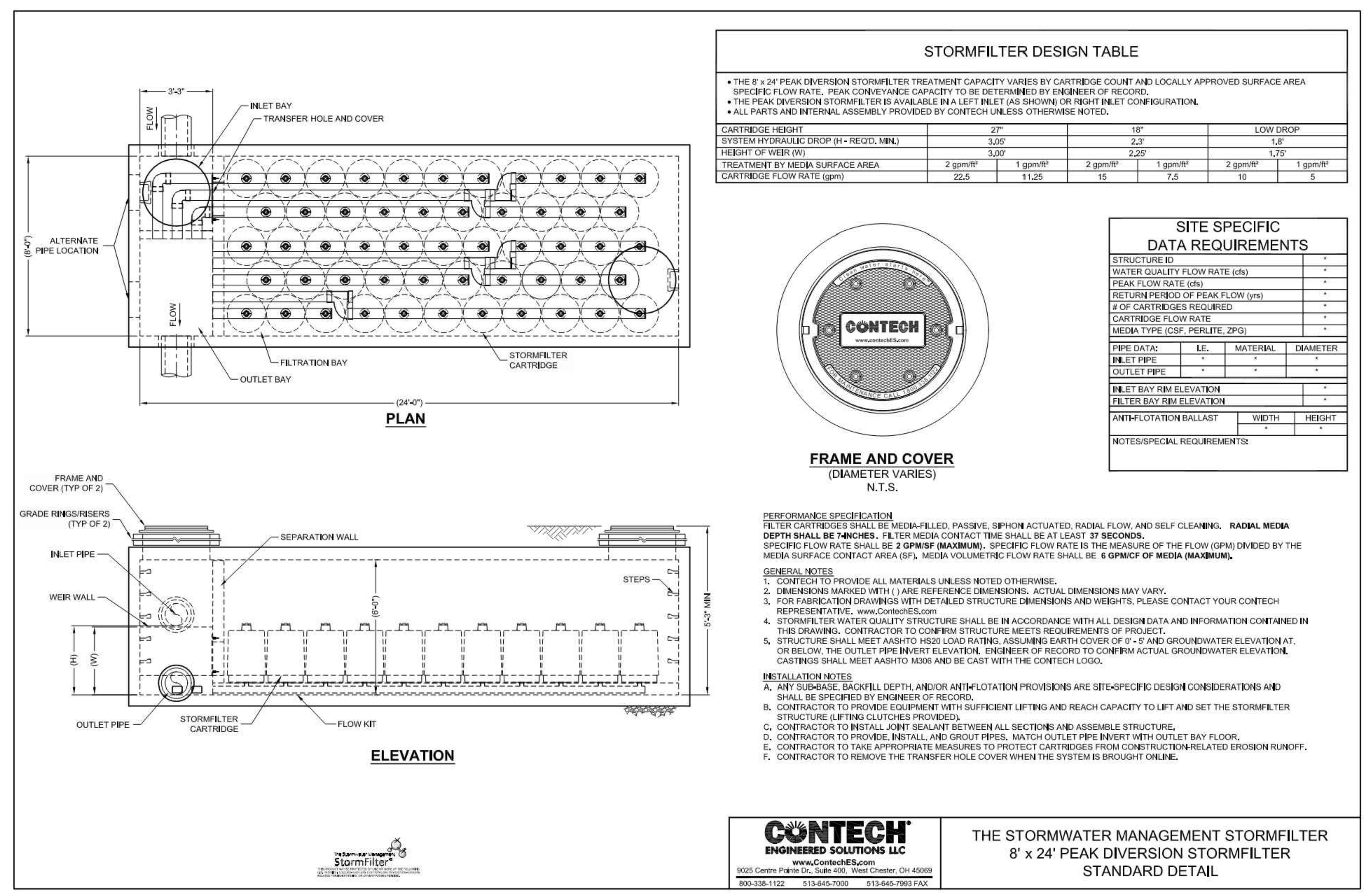
FOR DETAILED SPECIFICATIONS REGARDING:

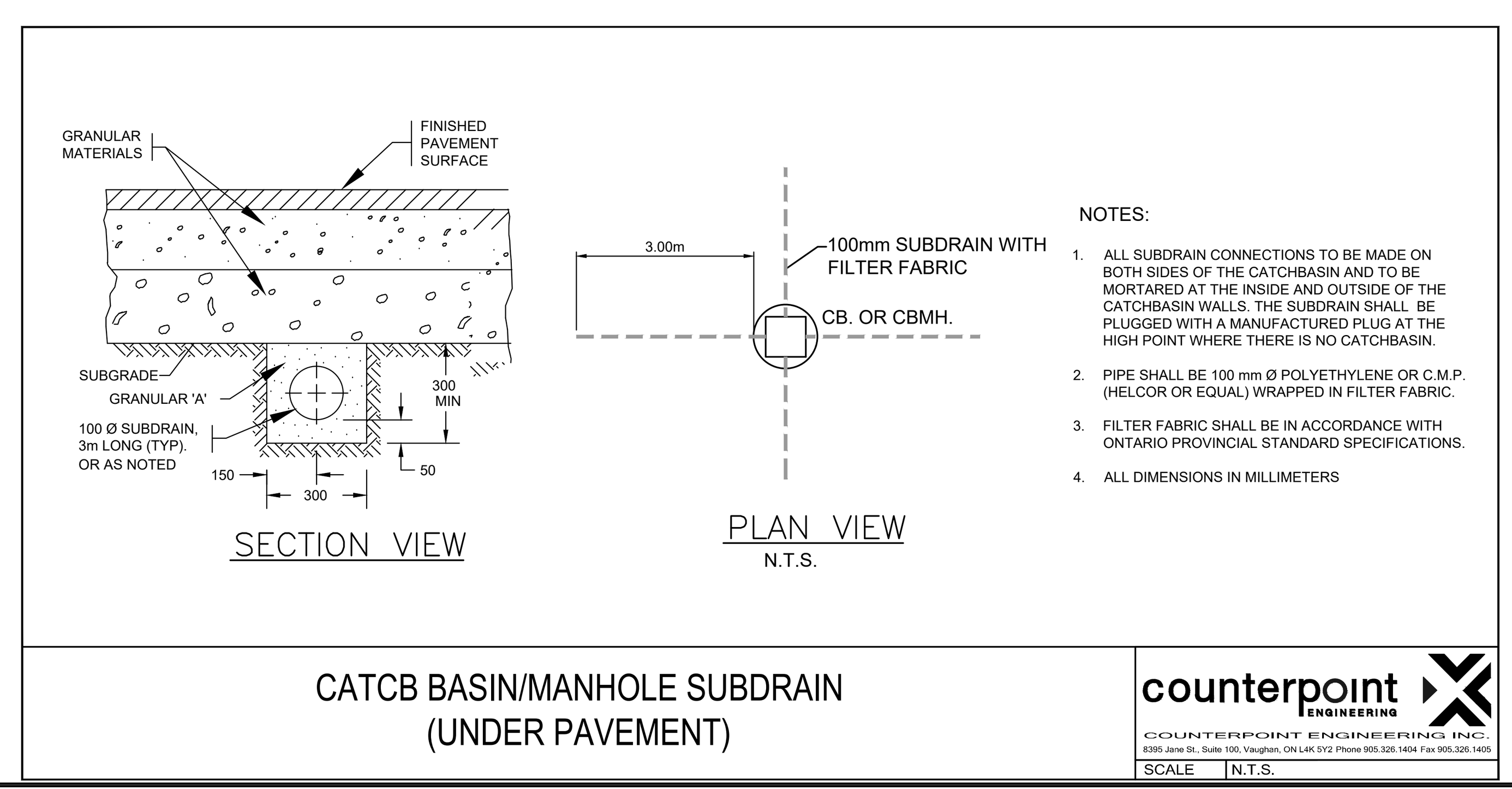
- SITE STRIPPING
- SITE GRADING
- FILL PLACEMENT
- ENGINEERED FILL
- COMPACTION REQUIREMENTS
- SEWER BEDDING
- TRENCH BACKFILLING
- PAVEMENT MAKE-UP

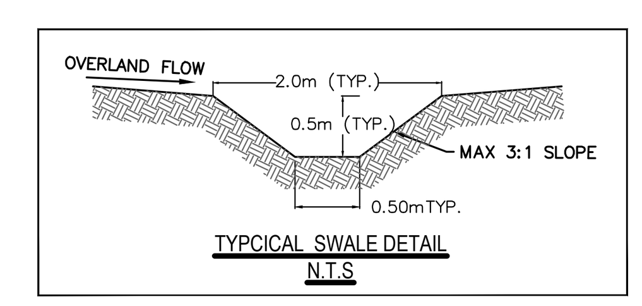
REFERENCE IS TO BE MADE TO THE GEOTECHNICAL REPORT AND SPECIFICATIONS PREPARED FOR THIS PROJECT

PAVING NOTES

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.







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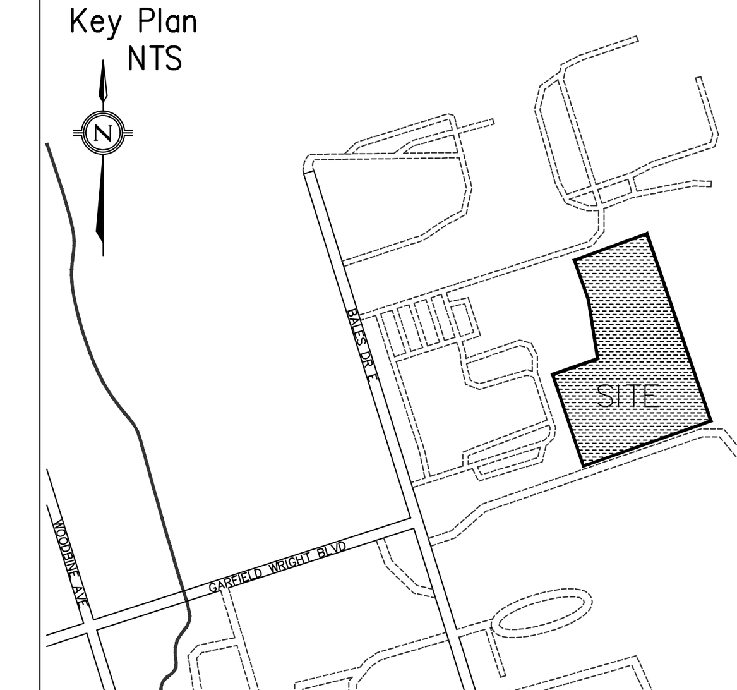
YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan
NTS



NO.	ISSUED	DATE
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

Issues

Stamp:

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

Sheet Title:
STANDARD NOTES

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

Drawing Scale:

Drawing No:
C-402

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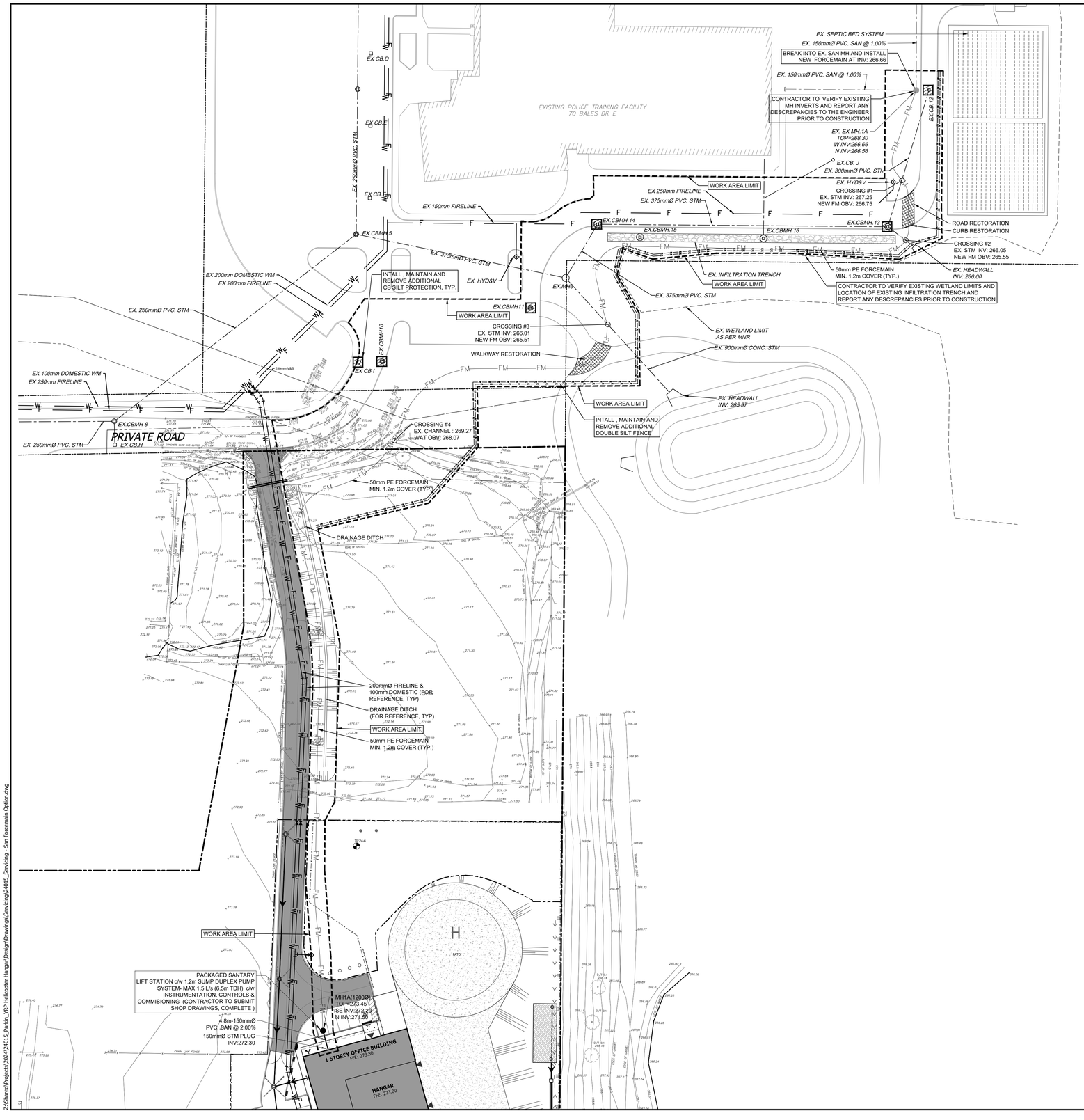

LEGEND

- PROPERTY LINE
- NEW DOMESTIC WATERMAIN
- NEW FIRELINE WATERMAIN
- STORM PIPE & MANHOLE
- NEW SANITARY FORCEMAIN
- SANITARY PIPE & MANHOLE
- EX. WATERMAIN
- EX. STORM PIPE
- SILT FENCE
- CATCHBASIN
- DOUBLE CATCHBASIN
- CATCHBASIN MANHOLE
- FIRE HYDRANT
- VALVE AND BOX
- WORK AREA LIMIT (SANITARY FORCEMAIN)

LEGAL & TOPOGRAPHY

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BENCHMARK AND ELEVATION

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO DHO PRECISE BENCHMARK No. 475-69 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.

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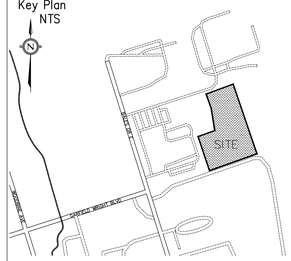
YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan
NTS



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

Issues

Stamp:

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

Drawing Scale:
10 0m 5 10 15
1:300

Drawing No:
C-601

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