

GENERAL NOTES

- DRAWINGS ARE NOT TO BE SCALED.
- ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON THE SITE PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER BEFORE PROCEEDING. MULTIPLE BENCHMARKS SHALL BE VERIFIED.
- UNLESS OTHERWISE NOTED ON THE DRAWINGS THE STANDARD CITY OF GUELPH, MTO AND OPS DRAWINGS AND SPECIFICATIONS ARE TO CONSTITUTE PART OF THIS CONTRACT AND DRAWINGS.
- REFER TO O.B.C. - 2012 STANDARDS AND SPECIFICATIONS AND CITY SPECIFICATIONS AND STANDARD DRAWINGS FOR LIST OF APPROVED MANUFACTURERS AND MATERIALS.
- EXISTING STRUCTURES ARE NOT TO BE DISTURBED, NOR ENCRoACH ON ADJACENT PROPERTIES UNLESS INSTRUCTED BY THE ENGINEER.
- THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE OWNER'S CONTRACTOR FROM OBTAINING, BUT NOT LIMITED TO THE FOLLOWING PERMITS, ROAD CUTS, SEWER PERMITS, RELOCATION OF SERVICES, ENCROACHMENT AGREEMENTS, APPROACH APPROVAL PERMITS, ETC.
- PRIOR TO CONSTRUCTION, THE ENGINEER IS TO BE NOTIFIED BY THE OWNER AND THE CONTRACTOR AS TO THE EXTENT OF THE CONSTRUCTION LIMITS THEY PROPOSE. THE CITY BUILDING AND PLUMBING OFFICIALS ARE TO BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE SERVICING PLANS, LANDSCAPE PLAN, SITE ELECTRICAL PLANS, AND ANY OTHER PLANS OR DRAWINGS WHICH DEPICT WORKS THAT ARE PROPOSED FOR THIS SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS FOR THE CITY AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR ONTARIO.
- THE CONTRACTOR SHALL ENDEAVOR TO PREVENT MUD TRACKING ONTO EXISTING RIGHT-OF-WAYS AND SHALL PROVIDE FOR CLEANUP AT HIS OWN EXPENSE AS DIRECTED BY THE CITY. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO CONTROL DUST ON THE PROJECT AND HE SHALL PROVIDE CONTROLLING MEASURES AS DIRECTED BY THE CITY.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. LOCATION OF EXISTING UTILITIES TO BE VERIFIED IN THE FIELD.
- THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE CITY.
- THE CONTRACTOR IS TO OBTAIN, AND PAY FOR ANY NECESSARY PERMITS FOR ANY CITY ROAD CUTS FOR THE INSTALLATION OF SANITARY, STORM, AND WATER SERVICE CONNECTIONS. ROAD CUTS TO BE RESTORED AS PER THE CITY'S SATISFACTION.
- ANY UTILITY RELOCATIONS DUE TO THIS DEVELOPMENT TO BE UNDERTAKEN AT THE EXPENSE OF THE OWNER/DEVELOPER.
- ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF THE ENGINEER WHICH MUST BE RETURNED AT THE COMPLETION OF WORK.
- ALL CONSTRUCTION WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- CONSTRUCTION ACCESS SHALL BE CONSTRUCTED WITH A MIN. OF 450mm THICK CRUSHED STONE BASE FROM EDGE OF PAVEMENT TO THE SATISFACTION OF THE CITY.
- ANY CONFLICTS WITH EXISTING SERVICES SHALL BE RECTIFIED AT THE OWNER'S EXPENSE.
- WHEN CITY STANDARD DRAWINGS ARE REFERRED TO THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING TO HAVE THE MOST CURRENT ISSUE.
- TESTING OF ALL SERVICES BY GENERAL CONTRACTOR.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE CITY BUILDING DEPARTMENT AND GEI CONSULTANTS INC. FOR THE COMPLETION OF ALL REQUIRED SITE INSPECTIONS.

GRADING NOTES

- CONTRACTOR TO RESTORE AREAS ON PUBLIC R.O.W. OR ADJACENT LANDS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION TO PREVIOUS CONDITION OR BETTER.
- ALL DRIVEWAY AND GRADING MATERIAL AND CONSTRUCTION METHODS MUST CONFORM TO CURRENT CITY STANDARDS AND SPECIFICATIONS.
- ALL FILL WITHIN THE SITE TO BE COMPACTED TO A MIN. OF 95% STANDARD PROCTOR MEDIAN DRY DENSITY. ALL FILL WITHIN THE SITE PARKING AREA TO BE COMPACTED TO A MIN. OF 98% SPMD. THE SUITABILITY OF ALL FILL MATERIALS ARE TO BE CONFIRMED BY A RECOGNIZED SOILS CONSULTANT TO GEI CONSULTANTS INC. PRIOR TO INSTALLATION OF ANY ASPHALT BASE MATERIALS.
- LANDSCAPING SHALL NOT ENCRoACH ON BOULEVARD NOR SHALL BOULEVARD GRADES BE ALTERED.
- SILT FENCE(S) TO BE INSTALLED AND MAINTAINED TO PREVENT SILT FLOWING ONTO ADJACENT LANDS. SILTATION CONTROL METHODS ARE TO BE AS NOTED ON THE DRAWINGS IN THE LOCATIONS SHOWN AND SHALL BE ERECTED PRIOR TO ANY GRADING OR CONSTRUCTION AND SHALL BE IN GOOD REPAIR THROUGHOUT THE CONSTRUCTION AND GRADING PHASES.
- ANY CHANGES IN GRADES, CATCH BASINS, SERVICE LATERALS, STORM AND SANITARY SEWERS REQUIRE THE APPROVAL OF GEI CONSULTANTS INC.
- THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE CITY.
- ALL LANDSCAPING TO BE INSTALLED AS SOON AS POSSIBLE OR PRIOR TO THE END OF THE FIRST GROWING SEASON. LANDSCAPING TO BE MAINTAINED UNTIL IT IS ESTABLISHED.
- ALL CURBS ARE TO BE 150mm ABOVE THE PROPOSED GUTTER LINE (GL) UNLESS NOTED OTHERWISE.
- PAVEMENT GRADE SHALL BE MIN. 0.5%, MAX. 8%.
- DRAINAGE SWALES SHALL BE MIN. 2%, MAX. 6%, UNLESS NOTED OTHERWISE.
- SLOPES IN LANDSCAPE AREAS AND ON BERMS SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS OTHERWISE NOTED.

CONSTRUCTION PHASING/ SEQUENCE

- INSTALL EROSION AND SEDIMENT CONTROL MEASURES AND ENTRANCE PROTECTION MUD TRACKING PAD.
- STRIP TOPSOIL IN SELECT AREA NEAR STORMWATER MANAGEMENT POND AND CONSTRUCT STORMWATER MANAGEMENT POND.
- TOPSOIL AND SEED STORMWATER MANAGEMENT POND.
- CITY TO PROVIDE STORM/SANITARY AND WATER SERVICES TO PROPERTY LINE BY CITY FORCES.
- INSTALL STORM SEWER TO STORMWATER MANAGEMENT POND AND INSTALL TEMPORARY HICKENBOTTOM AS PER DETAIL ON DRAWING x OF x.
- STRIP TOPSOIL AND PREGRADE SITE TO SUBGRADE LEVELS.
- INSTALL ON-SITE STORM/SANITARY AND WATER SERVICES.
- INSTALL FOUNDATIONS TO BUILDING x TO x.
- INSTALL GRANULAR BASE FOR PARKING/ROADWAY AREAS.
- TOPSOIL AND SEED SITE AND COMPLETE LANDSCAPING.
- INSTALL CURB AND ASPHALT FOLLOWING BUILDING CONSTRUCTION.
- EROSION AND SEDIMENT CONTROL MEASURES TO BE MONITORED AND MAINTAINED AT ALL TIMES.

SERVICING NOTES

STORM

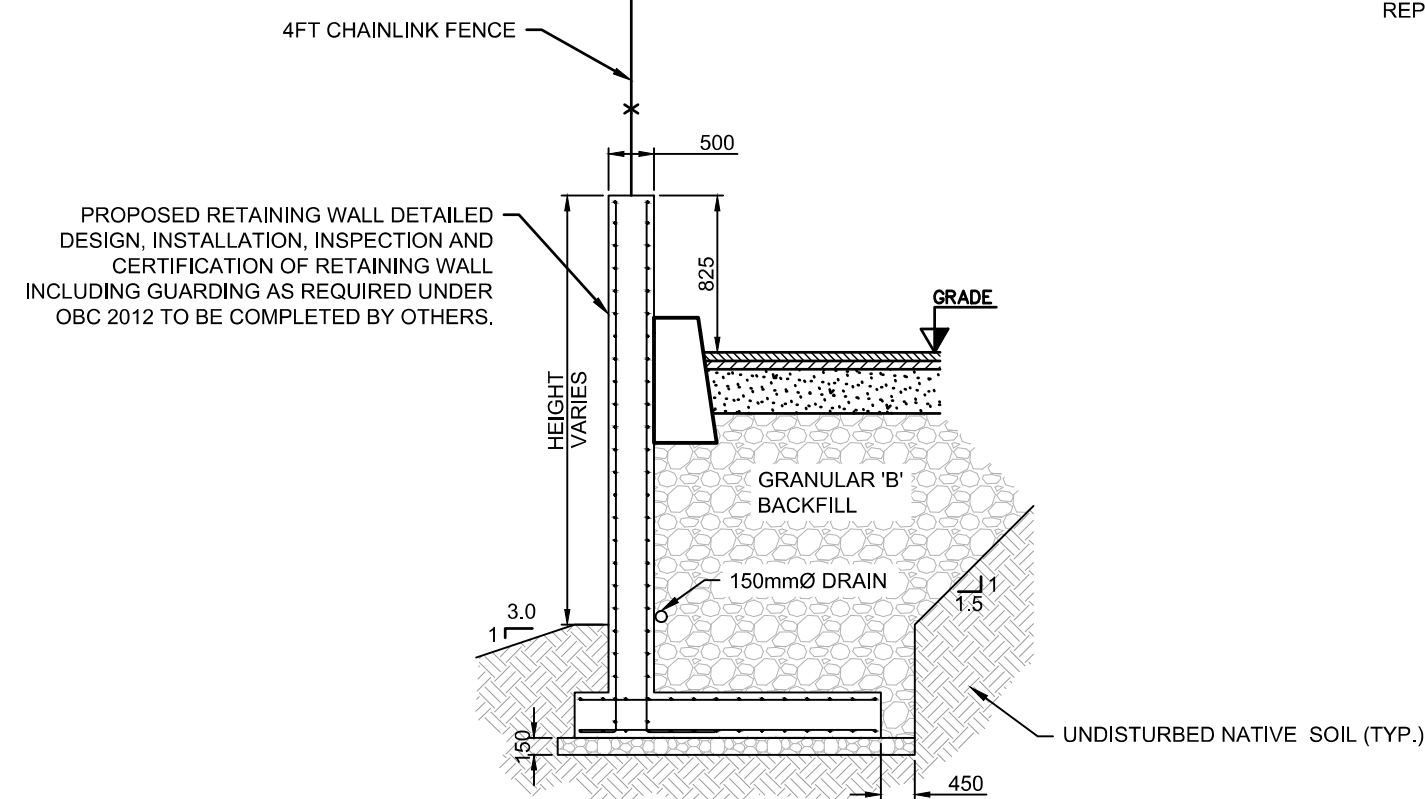
- ALL STORM SEWERS 375mmØ AND SMALLER TO BE PVC SDR 35 IN ACCORDANCE WITH CSA-B182.2, ASTM D-2779 AND ASTM D-3034 OR LATEST REVISIONS. 450mmØ AND LARGER TO BE CONCRETE IN ACCORDANCE WITH CSA A257.2, CLASS 650 OR LATEST REVISIONS. UNLESS OTHERWISE NOTED, ROOF TOP STORM LEADS 200mmØ AND SMALLER TO BE PVC SDR 28.
- BEDDING FOR PVC STORM SEWERS AS PER SD-29, GRANULAR 'A' COMPACTED TO 95% SPMD.
- BEDDING FOR CONCRETE PIPE AS PER SD-29, GRANULAR 'A', COMPACTED TO 98% SPMD.
- EXISTING SEWER INVERTS, MATERIAL TYPE, AND SIZE TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL RELOCATION, RECONSTRUCTION AND RESTORATION TO BE PERFORMED TO THE SATISFACTION OF THE CITY DIRECTOR OF PUBLIC WORKS.
- ALL CATCHBASINS SHALL BE INSTALLED IN ACCORDANCE WITH OPSD 705.010, ALL CATCHBASIN FRAMES AND COVERS AS PER OPSD 400.110.
- PRECAST MANHOLES TO BE MANUFACTURED TO REQUIREMENTS OF CSA A257.4 AND A.S.T.M. DESIGNATION C478M, 1200Ø MANHOLES AS PER OPSD 701.010 1500Ø MANHOLES AS PER OPSD 701.011 MANHOLE FRAMES AND COVERS AS PER OPSD 58.
- ALL TESTING OF STORM SERVICES TO BE IN ACCORDANCE WITH O.B.C. - 2012 AND CITY SPECIFICATIONS.
- ALL MAINTENANCE HOLES AND CATCHBASIN MAINTENANCE HOLES SHALL BE BENCHED UP TO 3/4 HEIGHT REGARDLESS OF PIPE SIZE. ALL BENCHING SHALL SLOPE UP AND AWAY FROM THE PIPE AT 8% SLOPE. STORM SEWER MAINTENANCE HOLES SHALL NOT BE PRE-BENCHED BY THE MANUFACTURER EXCEPT IN NEW DEVELOPMENT. BENCHING MAINTENANCE HOLES MUST BE COMPLETED DURING CONSTRUCTION ON SITE.
- ALL WORKS WITHIN CITY RIGHT-OF-WAY TO BE PERFORMED BY CITY FORCES UPON APPLICATION.
- ALL CONNECTIONS TO STORM MANHOLES TO BE MADE WITH A KOR-N-SEAL ADAPTOR.
- IT IS THE OWNER'S RESPONSIBILITY TO CONDUCT ROUTINE INSPECTION AND MAINTENANCE OF OIL AND GRIT INTERCEPTION DEVICES OR SYSTEMS INSTALLED OR CONSTRUCTED ON THE OWNER'S PROPERTY.

SANITARY

- ALL SANITARY SEWERS ARE TO BE PVC-DR 35 IN ACCORDANCE WITH CSA-B182.2, ASTM D-2779 AND ASTM D-3034 OR LATEST REVISIONS. RUBBER GASKET, SERVICES TO BE PVC-DR 28.
- EXISTING SEWER INVERTS, MATERIAL TYPE, AND SIZE TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL RELOCATION, RECONSTRUCTION AND RESTORATION TO BE PERFORMED TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
- PROVIDE WATER TIGHT COVERS FOR SANITARY MANHOLES LOCATED IN PONDING AREAS.
- PRECAST MANHOLES TO BE MANUFACTURED TO REQUIREMENTS OF CSA A257.4 AND A.S.T.M. DESIGNATION C478M, 1200Ø MANHOLES AS PER OPSD 701.010 1500Ø MANHOLES AS PER OPSD 701.011 MANHOLE FRAMES AND COVERS AS PER OPSD 401.010 TYPE 'A'
- BENCHING AS PER SD-44, TO SPRING LINE OF PIPE.
- BEDDING FOR PVC SANITARY SEWERS AS PER SD-29, GRANULAR 'A' COMPACTED TO 95% SPMD.
- ALL CONNECTIONS WITH PAVED PORTIONS OF EXISTING ROADS TO BE BACKFILLED WITH GRANULAR MATERIAL OR LATEST CITY SPECIFICATIONS AND COMPACTED TO 98% SPMD.
- ALL TESTING OF SANITARY SERVICES TO BE IN ACCORDANCE WITH O.B.C. - 2012 AND CITY SPECIFICATIONS.
- ALL CONNECTIONS TO SANITARY MANHOLES TO BE MADE WITH A KOR-N-SEAL ADAPTOR.

WATER

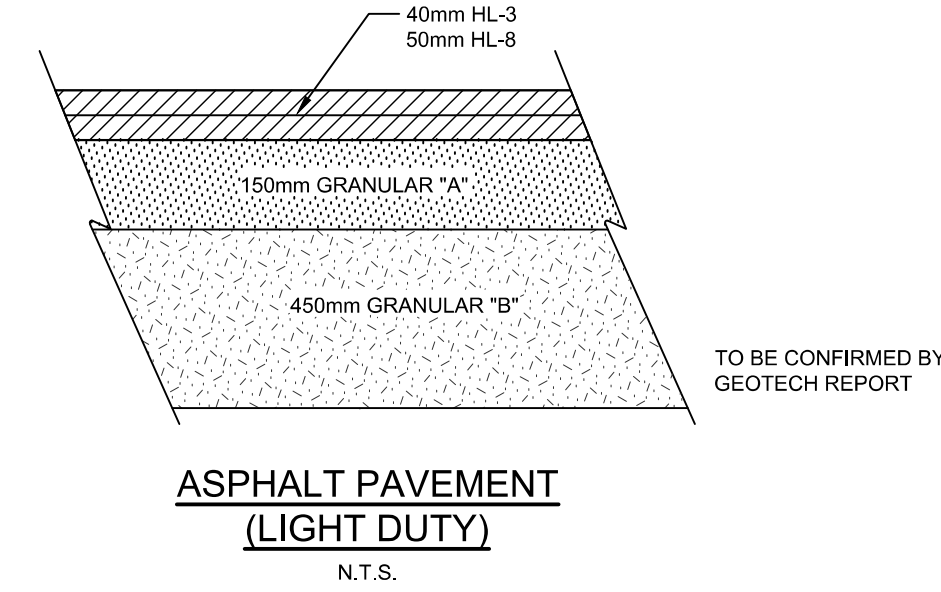
- WATER SERVICE PIPE TO BE PVC-DR 18 CL 150 CONFORMING TO CSA B137.3, INCLUDING 12 GAUGE 7 STRAND TRACER WIRE BETWEEN HYDRANTS OR OTHER CONDUCTING APPURTENANCES. PIPE SHALL HAVE A MINIMUM COVER OF 2.0m. ALL WATERMAIN JOINTS TO BE APPROVED PUSH-ON MECHANICAL OR FLANGE TYPE JOINTS AS REQUIRED FOR 1000 kPa RATED PRESSURE. CORROSION PROTECTION FOR ALL FITTINGS, VALVES AND HYDRANTS (HYPROTEC OR EQUAL).
- BEDDING AS PER SD-29, TYPE 1 & 2, GRANULAR 'A' COMPACTED TO 98% SPMD.
- ALL WATERMAIN FITTINGS AND APPURTENANCES TO BE SELECTED FROM THE CITY'S APPROVED MATERIAL LIST FOR WATERMANS.
- WATERMANS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 0.5m AND HORIZONTAL SEPARATION OF 2.4m BETWEEN ANY SEWER OR MANHOLE.
- ALL WORKS WITHIN CITY RIGHT-OF-WAY TO BE PERFORMED BY CITY FORCES UPON APPLICATION.
- CONTRACTOR TO CONFIRM THE SIZE, LOCATION AND MATERIAL TYPE OF EXISTING WATER SERVICE AND WATERMAIN PRIOR TO COMMENCING ANY WORK.
- EXISTING WATERMAIN OBVERTS TO BE CONFIRMED ON SITE AT THE TIME OF CONSTRUCTION.
- ALL RELOCATION, RECONSTRUCTION AND RESTORATION TO BE PERFORMED TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
- ALL CONNECTIONS WITH PAVED PORTIONS OF EXISTING ROADS TO BE BACKFILLED WITH GRANULAR 'A' MATERIAL OR AS PER LATEST CITY SPECIFICATIONS.
- FLUSHING, SWABBING, AND TESTING OF WATERMAIN AS PER ONTARIO PROVINCIAL STANDARD SPECIFICATIONS.
- VALVE AND BOX TO BE INSTALLED AS PER SD-24
- HYDRANTS SHALL CONFORM TO STD-W3 AND SHALL BE DARLING CENTURY STYLE BY CANADA VALVE COMPANY LIMITED OR McAVITY STYLE M-67 BY CRANE (CANADA) LIMITED AND SHALL BE INSTALLED AS PER SD-25.
- HYDRANTS SHALL OPEN COUNTER CLOCKWISE AND BE YELLOW WITH GREEN BONNETS AND HOSE CAPS.
- ALL WATERMAIN MATERIALS, INSTALLATION METHODS AND TESTING SHALL CONFORM TO OBC-2012 AND CITY SPECIFICATIONS.



TYPICAL RETAINING WALL SECTION SHOWING DIMENSIONS
N.T.S.

CURBING/ SIDEWALK/ ASPHALT/ DRIVEWAYS:

- ALL PROPOSED INTERNAL CURBING TO BE BARRIER CURB TYPE AS PER O.P.S.D. 600.110. ALL TOPS OF CURBS TO BE 150mm ABOVE PROPOSED ASPHALT, UNLESS OTHERWISE NOTED.
- ALL PROPOSED ROAD CUTS TO BE PERFORMED AND RESTORED TO THE SATISFACTION OF CITY FORCES UPON APPLICATION.
- ALL CONCRETE SIDEWALKS TO BE MINIMUM 125mm THICK (175mm THROUGH ENTRANCES) AND HAVE 100mm GRANULAR 'A' BEDDING (88% SPMD), TO BE INSTALLED AS PER CITY STANDARD SD-2.
- CONCRETE SIDEWALK RAMP AS PER OPSD 310.010.
- ALL SIDEWALK CONNECTIONS ABUTTING BUILDING ENTRANCES ARE TO HAVE A DOWEL CONNECTION.



TO BE CONFIRMED BY GEOTECH REPORT

GENERAL TESTING AND INSPECTION NOTES

- ALL SANITARY AND STORM SEWER IS TO BE MANDREL TESTED PRIOR TO FINAL ACCEPTANCE BY THE ENGINEER. ALL MANDREL TESTING AS PER OPSD 410.
- ALL SANITARY AND STORM PIPING MATERIAL AS PER OBC 2012 AND THE CITY SERVICING STANDARDS.
- LEAKAGE TESTING OF SANITARY SERVICES IS REQUIRED AS PER OPSD 410 AND THE CITY SERVICING STANDARDS.
- ALL SANITARY AND STORM REQUIRE FIELD INSPECTION BY THE SITE SERVICING ENGINEER DURING INSTALLATION. INSPECTION SERVICES REQUIRE A MINIMUM OF 24 HOURS NOTICE.
- ALL WATERMAIN REQUIRES FIELD INSPECTION BY THE SITE SERVICING ENGINEER DURING INSTALLATION. INSPECTION SERVICES REQUIRE A MINIMUM OF 24 HOURS NOTICE.
- ALL WATERMAIN IS TO BE SUPPLIED AND INSTALLED AS PER OBC 2012 AND THE CITY SERVICING STANDARDS.
- ALL NEW WATERMAIN IS TO BE CLEANED AND TESTED AS PER THE CITY SERVICING STANDARDS. FOR TEMPORARY CONNECTIONS, FOR TESTING PURPOSES, A BACKFLOW DEVICE (ACCEPTABLE BY THE LOCAL CITY) IS TO BE INSTALLED AND TESTED ON SITE BY A LICENSED TESTER.
- SITE SERVICING ENGINEER TO BE ON SITE FOR ALL TESTING AND SWABBING OF NEW WATERMANS.
- THE CITY MUST APPROVE ALL TESTING AND TEST RESULTS PRIOR TO PERMITTING FINAL CONNECTION TO THE CITY SYSTEM.

UTILITY/ SERVICE ISOLATION

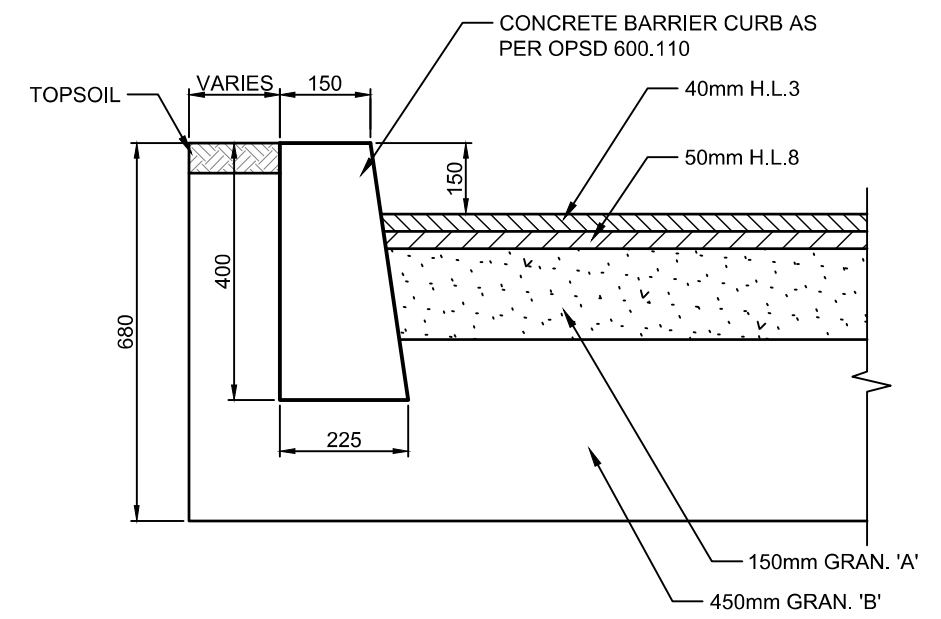
- ALL SERVICES AND/OR UTILITIES LOCATED ON CONCRETE SIDEWALKS OR CURBS TO BE ISOLATED FROM THE SIDEWALK OR CURB AS PER OPSD 310.040

UTILITY SUPPORTS AND TRENCHES

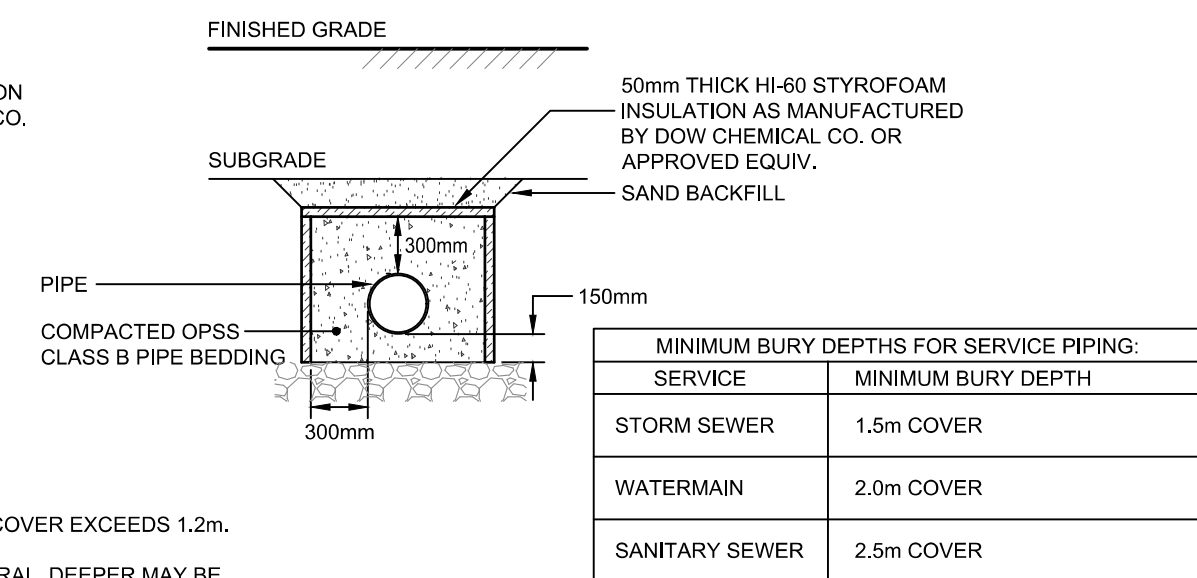
- ALL EXISTING SERVICES, UTILITIES AND CATCHBASIN LEADS ARE TO BE SUPPORTED IN ACCORDANCE WITH O.B.C. - 2012 AND CITY SPECIFICATIONS.
- ALL UTILITIES SHALL BE LOCATED, SUPPORTED AND PROTECTED TO THE SATISFACTION OF THE UTILITY COMPANY DURING THE CONSTRUCTION PERIOD.

SEDIMENT AND EROSION CONTROL NOTES

- SITE WORKS ARE TO BE STAGED IN SUCH A MANNER THAT EROSION WILL BE MINIMIZED AND THAT BARRIERS AND SEDIMENTATION FACILITIES WITHIN THE SITE ARE PROVIDED TO CONTROL ANY EROSION THAT DOES OCCUR.
- PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, A SEDIMENT POND OR STORAGE AREA MUST BE ESTABLISHED TO COLLECT SURFACE DRAINAGE FROM ALL AREAS THAT WILL BE DISTURBED. WATER PUMPED FROM EXCAVATIONS OR DEWATERING OPERATIONS MUST BE DIRECTED TO THE SEDIMENT POND.
- ALL SILT FENCING TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY GRADING EXCAVATION AS PER GUELPH STANDARD SD-74b. FABRIC SHALL BE 270R OR APPROVED.
- CLEARING AND GRUBBING OF THE SITE SHOULD BE KEPT TO A MINIMUM AND VEGETATION REMOVED ONLY IN ADVANCE OF IMMEDIATE CONSTRUCTION.
- STOCKPILES OF EARTH OR TOPSOIL ARE TO BE LOCATED AND PROTECTED TO MINIMIZE ENVIRONMENTAL INTERFERENCE. STOCKPILES SHOULD NOT BE LOCATED IMMEDIATELY ADJACENT TO DITCHES OR ROAD ALLOWANCES. EROSION CONTROL FENCING IS TO BE INSTALLED AROUND THE BASE OF ALL STOCKPILES. A PERIMETER DITCH LEADING TO A SETTLING AREA OR SEDIMENTATION TRAP SHOULD BE INSTALLED AROUND THE STOCKPILE.
- EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MANHOLES CATCH BASINS, DITCHES, SWALES AND WATERCOURSES.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. THE CONTRACTOR IS TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.
- THE DESIGN CONSULTANT IS TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY REQUIREMENTS.
- EROSION CONTROL STRUCTURES ARE TO BE MONITORED REGULARLY AND ANY DAMAGE TO STRUCTURES REPAIRED IMMEDIATELY. INSPECTION SHALL OCCUR AFTER EVERY RAINFALL EVENT OF 19mm OR GREATER AND SEDIMENT IS TO BE REMOVED WHEN ACCUMULATION REACHES A MAXIMUM OF 1/2 THE HEIGHT OF THE SEDIMENT FENCE HEIGHT. CLOGGED FILTER MATERIALS SUCH AS CRUSHED STONE, STRAW BALES OR FILTER CLOTH MUST BE REPLACED AS REQUIRED.
- ALL EROSION CONTROL STRUCTURES ARE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
- NO ALTERNATIVE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE DESIGN CONSULTANT AND THE CITY'S WORKS DEPARTMENT.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT CITY ROADWAYS ARE CLEANED OF ALL SEDIMENTS FROM VEHICULAR TRACKING ETC. TO AND FROM THE SITE. AT THE END OF EACH WORK DAY.
- ALL DISTURBED AREAS NOT INCLUDED IN CONSTRUCTION TO BE RE-TOPSOILED AND RE-SEED IMMEDIATELY AFTER COMPLETION OF AREA GRADING.
- STOCKPILES NOT REMOVED WITHIN 30 DAYS REQUIRE STABILIZATION BY HYDROSEEDING.
- EXTRA EROSION AND SEDIMENT CONTROL MATERIALS TO BE KEPT ON SITE IN ORDER TO REPAIR OR REPLACE DAMAGED SECTIONS IMMEDIATELY.

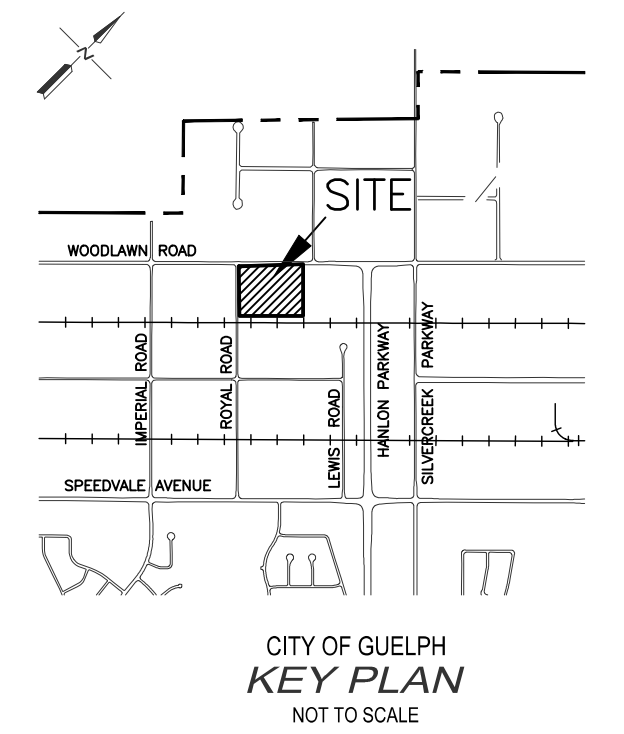


PARKING AND CURB DETAIL
N.T.S.



- INSULATION TO BE PLACED UNTIL COVER EXCEEDS 1.2m.
- MINIMUM BURY DEPTHS ARE GENERAL. DEEPER MAY BE REQUIRED DEPENDING ON BUILDING FOUNDATION DESIGN OR OTHER SITE CONSTRAINTS.

TYPICAL PIPE INSULATION DETAIL
N.T.S.



- NOTES :**
- EXISTING CONDITION, TOPOGRAPHIC SURVEY, PROPERTY LINES AND EXISTING SEWER LOCATION AND INVERTS OBTAINED FROM VAN HARTEN LAND SURVEYORS DATED MAY 16, 2023.
 - SITE PLAN PROVIDED BY BJC ARCHITECTS AND ASSOCIATES INC. DATED DECEMBER 12, 2024.

BENCH MARKS :

CITY OF GUELPH BENCHMARK No. 81
LOCATED AT THE SACCO WELL ON WOODLAWN ROAD WITH AN ELEVATION OF 339.815m GEODETIC.

SITE BENCHMARK (VAN HARTEN)
CUT CROSS ON CONCRETE PAD SOUTH OF WEST CORNER OF SUBJECT PROPERTY HAVING AN ELEVATION OF 343.94 METERS.

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM.



2.	01/30/2025	ISSUED FOR OPA	P.L.M.W
1.	12/13/2024	ISSUED FOR REVIEW	G.E.A.
NO.	DATE	REVISION DESCRIPTION	CHKD



81 ROYAL ROAD

GUELPH MANUFACTURING

CITY OF GUELPH

GENERAL NOTES AND DETAILS PLAN

DRAWN BY :	APPROVED BY :	PROJECT NO. :	DRAWING NO. :
E.A.	P.W.	422111	ND
DESIGNED BY :	DATE :	SCALE :	
E.A.	AUGUST 2024	AS NOTED	

PREPARED BY: P.L.M. WIEBE, P. ENG. (1998) - 100519730, 12/13/2024
 CHECKED BY: G.E.A. (12/13/2024)
 DESIGNED BY: E.A. (12/13/2024)
 DATE: 12/13/2024
 SCALE: AS NOTED
 DRAWING NO.: ND