

GENERAL NOTES:

1. ASSUMED CONDITIONS ARE ILLUSTRATED ON THE DRAWINGS.
2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
3. THE MUNICIPAL STANDARDS AND ONTARIO PROVINCIAL STANDARD DETAILS (OPSD) SHALL BE ADHERED TO, AS WELL AS THE STORMWATER MANAGEMENT PLANNING AND DESIGN MANUAL (SWMPDM), ONTARIO, 2003.
4. TECHNICAL REQUIREMENTS FOR ACCESSIBILITY TO BE DETERMINED BASED UPON THE FINALIZED LAYOUT AND IN ACCORDANCE WITH REG 191/11 AND 413/12 AS AMENDED.
5. DRAWING SHALL BE READ IN CONJUNCTION WITH:
 - 5.1. PLAN OF SURVEY BY CALLON DIETZ, FILE NO. 18-0091, DATED OCTOBER 11, 2018,
 - 5.2. PARTIAL TOPOGRAPHIC SKETCH BY CALLON DIETZ, REF. NO. 25-27879, DATED NOV. 6, 2025,
 - 5.3. STORMWATER MANAGEMENT BRIEF (SWMB) BY IN ENGINEERING LTD.

DIMENSION NOTES:

1. EXISTING DIMENSIONS ARE FIELD MEASUREMENTS AND MAY VARY FROM SITE CONDITIONS.
2. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS OF THE EXISTING CONDITIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH FABRICATION.
3. ALL DIMENSIONS ARE FIELD MEASUREMENTS AND APPROXIMATE THE EXISTING PLAN, ELEVATIONS AND LAYOUT. NO PRECISION, ACCURACY NOR TOLERANCE IS IMPLIED IN THESE DIMENSIONS.
4. FIELD MEASUREMENTS OF EXISTING CONDITIONS HAVE INHERENT ERRORS THAT MUST BE CONFIRMED BY THE CONTRACTOR. THE PROFESSIONAL ENGINEER'S STAMP DOES NOT ASSUME LIABILITY OF ERROR FOR ANY FIELD MEASUREMENTS.

GEOTECHNICAL NOTES:

1. WATER TABLE/GROUND WATER ELEVATION IF ENCOUNTERED DURING CONSTRUCTION TO BE REPORTED TO THE PROJECT ENGINEER.
2. DEPTH OF BEDROCK IF ENCOUNTERED DURING CONSTRUCTION TO BE REPORTED TO THE PROJECT ENGINEER.

DRAINAGE NOTES:

1. SWALES ARE DESIGNED AS PER MOE STORMWATER MANAGEMENT PLANNING AND DESIGN MANUAL (SWMPDM), MARCH, 2003 AND CVC LID SWM GUIDELINES.
2. OPSD 1860 FOR CLASS II GEOTEXTILES SHALL BE USED, REFER TO CVC CWMPDG V1 2010.
3. INSPECTION AND MAINTENANCE SHALL BE AS PER CVC SWMPDG V1 2010 AS REQUIRED.
4. PLANTING SOIL: (I) USE FOR ENHANCED GRASS SWALES (II) HYDRAULIC CONDUCTIVITY, SATURATED (ASTM D2434) AT 85% MAXIMUM DRY DENSITY (ASTM D698) SHOULD BE OF 15 - 300 MM/H.
5. SAND: SHOULD BE COARSE AND HAVE A FINENESS MODULUS INDEX BETWEEN 2.8 AND 3.1 ACCORDING TO ASTM C33/C33M.
6. TOPSOIL: MUST CONTAIN AT LEAST 9%, AND NOT GREATER THAN 36% CLAY-SIZED PARTICLES AND HAVE A SODIUM ABSORPTION RATIO LESS THAN 15.

LOCATES & LIABILITY NOTES:

1. THE LOCATION OF ALL UNDER/ABOVE GROUND UTILITIES AND STRUCTURES ARE APPROXIMATE ONLY. WHERE SHOWN ON THE DRAWING(S), THE ACCURACY OF THE LOCATION OF SUCH UTILITIES ARE NOT GUARANTEED.
2. 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 LIABILITY FOR ALL DAMAGE OR RESTORATION TO SAME.

SITE INSPECTIONS

1. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER TO PROVIDE GENERAL REVIEW SERVICES. AS PER OBC DIV C, 1.2.2.2(2), ONLY A PROFESSIONAL ENGINEER MAY CARRY OUT OR PROVIDE THE GENERAL REVIEW OF THE CONSTRUCTION OF A BUILDING:
 - 1.1. THAT IS CONSTRUCTED IN ACCORDANCE WITH A DESIGN PREPARED OR PROVIDED BY A PROFESSIONAL ENGINEER, OR
 - 1.2. IN RELATION TO SERVICES THAT ARE PROVIDED BY A PROFESSIONAL ENGINEER IN CONNECTION WITH THE DESIGN IN ACCORDANCE WITH WHICH THE BUILDING IS CONSTRUCTED.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE ALL REQUIRED SITE INSPECTIONS WITH A MINIMUM OF 2 WEEKS NOTICE TO THE DESIGNER.
3. REQUIRED SITE INSPECTIONS AND GENERAL REVIEWS BY AN ENGINEER INCLUDE:
 - 3.1. PRELIMINARY AND FINAL GRADING OF LID FEATURES (SWALES, INFILTRATION TRENCHES), AND,
 - 3.2. FINAL GRADING REVIEW.

EROSION CONTROL NOTES:

1. PERFORM CONTINUOUS INSPECTIONS OF EROSION CONTROL MEASURES AND REPAIR DEFICIENCIES WITHIN 24 HOURS.
2. INSTALL SILT FENCE ALONG THE PERIMETER OF THE SITE TO PREVENT SEDIMENT FROM LEAVING THE SITE DURING THE CONSTRUCTION PROCESS. THE MINIMUM EXTENTS OF THE SILT FENCING SHALL BE INSTALLED AS PER THE CONSTRUCTION DRAWINGS.
3. ALL DOWNGRAIENT PERIMETER SEDIMENT-CONTROL MEASURES MUST BE IN PLACE BEFORE ANY LAND-DISTURBING ACTIVITY BEGINS ON THE SITE.
4. REMOVE TOPSOIL FROM THE SITE AND PLACE IN TEMPORARY STOCKPILE LOCATION. TEMPORARY SEED OR COVER THE STOCKPILE.
5. INSTALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, ELECTRIC AND PHONES) TAKING THE LOCATION AND FUNCTION OF STORM WATER AND EROSION MEASURES INTO CONSIDERATION.
6. COVER OR SEED AND MULCH DISTURBED AREAS ON SITE.
7. CONSTRUCT THE ROADS AND TEMPORARY ACCESS TAKING THE LOCATION AND FUNCTION OF STORM WATER AND EROSION MEASURES INTO CONSIDERATION.
8. PERFORM ALL OTHER SITE IMPROVEMENTS TAKING THE LOCATION AND FUNCTION OF THE STORM WATER AND EROSION MEASURES INTO CONSIDERATION.
9. STABILIZE THE SITE BY IMPLEMENTING THE NATIVE SEEDING AND PLANTING PORTION OF THE LANDSCAPING PLAN.
10. INSTALL THE EROSION CONTROL BLANKET AND COIR ROLL/CHECK DAMS PRIOR TO LAND DISTURBING ACTIVITIES.
11. REMOVE THE SILT FENCE AFTER THE SITE IS STABILIZED PER PROJECT ENGINEER APPROVAL.
12. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR THE DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL AND INSTALLING SILT FENCES AND OTHER SEDIMENT AND EROSION CONTROL MEASURES.
13. WATERCOURSES SHALL NOT BE DIVERTED OR BLOCKED, AND TEMPORARY WATERCOURSE CROSSINGS SHALL NOT BE CONSTRUCTED OR UTILIZED UNLESS OTHERWISE SPECIFIED AND APPROVED BY GOVERNING AUTHORITIES. IF APPLICABLE, OPSS.MUNI 182 SHALL BE FOLLOWED FOR WORK IN AND AROUND WATER BODIES AND ON WATER BODY BANKS.
14. AT THE DISCRETION OF THE CONSERVATION AUTHORITY OR MUNICIPALITY, ADDITIONAL SILT CONTROL DEVICES INCLUDING SILT FENCE, RIP RAP AND ROCK FLOW CHECK DAMS SHALL BE INSTALLED AT DESIGNATED LOCATIONS.
15. THE FOLLOWING ONTARIO PROVINCIAL STANDARD DETAILS (OPSD) AND ONTARIO PROVINCIAL SPECIFICATION STANDARDS (OPSS) SHALL BE FOLLOWED:
 - 15.1. FOR HEAVY-DUTY SILT FENCE BARRIER, USE OPSD 219.130.
 - 15.2. FOR SANDBAG BARRIER, USE OPSD 219.150.
 - 15.3. FOR SANDBAG CHECK DAM, USE OPSD 219.200.
 - 15.4. FOR SILT FENCE CHECK DAM, USE OPSD 219.190.
 - 15.5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPSS.MUNI 805.
 - 15.6. REVEGETATION SHALL OCCUR AS PER OPSS.PROV 803 Section 803.07.
 - 15.7. PRESERVATION OF TREES SHALL BE AS PER OPSS.MUNI 801.
16. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AS PER OPSS.MUNI 805: PRIOR TO COMMENCEMENT OF EXCAVATION AND WORK THAT WILL DISTURB THE VEGETATION, AFTER SIGNIFICANT OR PROLONGED RAINFALL (AS DEFINED BY CONSERVATION AUTHORITY EROSION AND SEDIMENT CONTROL GUIDE), AND ON A CONTINUAL (DAILY) BASIS BY THE SITE CONTRACTOR.
17. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED TO PRESERVE INTEGRITY WITH WORN AREAS REPAIRED AS REQUIRED.
18. SEDIMENT THAT IS ACCUMULATED BY THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AS PER OPS.MUNI 805 IN A MANNER THAT AVOIDS ESCAPE OF THE SEDIMENT TO THE DOWNSTREAM SIDE OF THE CONTROL MEASURE AND AVOIDS DAMAGE TO THE CONTROL MEASURE.
19. REMOVAL OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPSS.MUNI 805.
20. INSPECTIONS AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DOCUMENTED AND MADE AVAILABLE TO THE AUTHORITY HAVING JURISDICTION OR THE ENGINEER UPON REQUEST.
21. POST-CONSTRUCTION STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE.
22. STOCKPILED MATERIAL IS TO BE STORED AWAY FROM POTENTIAL RECEIVERS (E.G. WATERCOURSES), AND BE SURROUNDED BY EROSION CONTROL MEASURES.
23. SILT AND OTHER DELETERIOUS MATERIAL NOT ACCEPTABLE FOR USE AS FILL SHALL BE DISPOSED OFF SITE AS PER OPSS.MUNI 180 AND IN ACCORDANCE WITH GOVERNING AUTHORITIES.

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TYPICAL ABBREVIATIONS:

MH	MANHOLE
CRW	CONCRETE RETAINING WALL
TRW	TIMBER RETAINING WALL
SRW	STONE RETAINING WALL
T.B.C	TO BE CONFIRMED
T.B.R	TO BE REMOVED
INV	INVERT
T/G	TOP OF GRATE
U/G	UNDERGROUND
O/H	OVERHEAD
U/S FTG	UNDERSIDE OF FOOTING
C/L	CENTERLINE
FF	FINISHED FLOOR ELEVATION
EXIST.	EXISTING
PROP.	PROPOSED
PVT.	PRIVATE
SWM	STORMWATER MANAGEMENT



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2	JH	JUL. 20, 2026	REVISED PER CITY COMMENTS & ISSUED FOR SPC
1	JH	MAR. 12, 2026	ISSUED FOR SITE PLAN CONTROL
NO.	BY:	DATE:	REVISION:

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IN

ENGINEERING + PLANNING

Planning
Land Development
Building Design
Engineering

REVIEWER AFM	DESIGNER JH	DRAFTER JH	FILE NO. 12486
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GENERAL ARRANGEMENT

NOTES & SPECIFICATIONS

GA-0

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