

DESCRIPTION

EXISTING

PROPOSED

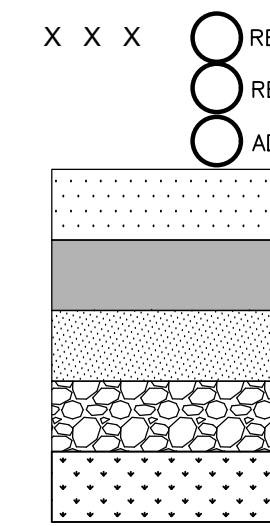
DESCRIPTION

EXISTING

PROPOSED

DESCRIPTION

MISCELLANEOUS



GENERAL NOTES

- 1. ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), WHERE APPLICABLE.
2. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION.
4. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF THE SAME.
6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS".
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, BACKFILL AND REINSTATEMENT OF ALL AREAS DISTURBED DURING CONSTRUCTION.
8. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
9. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING ON CITY STREETS.
10. THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
11. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS WRITTEN APPROVAL BY THE ENGINEER HAS BEEN OBTAINED.
12. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
13. THE SITE LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
14. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT.
15. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL INVESTIGATION REPORT PREPARED BY EXP SERVICES INC DATED JUNE 14, 2021 PROJECT NO. OTT-00252625-AD
16. THE CONTRACTOR SHALL APPRAISE HIS/HER SELF OF ALL SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED AND SHALL CARRY OUT THEIR OWN TEST PITS AS REQUIRED TO MAKE THEIR OWN INDEPENDENT ASSESSMENT OF GROUND CONDITIONS.
17. DO NOT CONSTRUCT USING DRAWINGS THAT ARE NOT MARKED "ISSUED FOR CONSTRUCTION".
18. FOR TOPOGRAPHICAL INFORMATION REFER TO PLAN PREPARED BY ANIS, O'SULLIVAN, VOLLEBEKK SURVEYING LTD. DATED MAY 1, 2019.
19. CIVIL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, STRUCTURAL, LANDSCAPE AND LEGAL DRAWINGS.
20. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY, WHERE WATERMAIN COVER IS LESS THAN 2.4m.
21. WATERMETER TO BE BLANKED AT MAIN, NOT AT PROPERTY LINE.
22. ALL FIRE HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W18.

STORM SEWER NOTES:

- 1. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
2. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE STORM SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013. DURING CONSTRUCTION THE CONTRACTOR SHALL PROTECT THE PIPES FROM HEAVY CONSTRUCTION EQUIPMENT. BEDDING AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPMDD.
4. SEWER BEDDING AS PER CITY STANDARD S6 & S7.
5. ALL ABANDONED EXISTING SEWERS TO BE CAPPED AT THE PROPERTY LINE TO THE SATISFACTION OF THE CITY OF OTTAWA'S SEWER OPERATIONS.
6. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE.
7. ALL STORM SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES. REFER TO MECHANICAL DRAWINGS.
8. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED STORM SEWERS AND EXISTING SEWERS CONNECTED TO THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED.

WATERMAIN NOTES:

- 1. ALL PVC WATERMAIN SHALL BE PVC DR18 IN ACCORDANCE WITH ANWA C-900 CLASS 150 OR PVC0 IN ACCORDANCE WITH ANWA C-909, WITH ANWA/CSA PRESSURE RATING OF 235 PSI (1620 kPa).
2. ALL WATERMAIN MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
3. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE. WATERMAIN CONNECTIONS BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION BACKFILL AND ROAD REINSTATEMENT BY CONTRACTOR.
4. WATERMANS TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W17, UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
5. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W40. ALL ANODES SHALL BE A Z-24-48 AS PER CITY OF OTTAWA STD. W44.
6. ALL WATERMANS TO BE INSTALLED AT MINIMUM COVER OF 2.4m.
7. IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
8. DISINFECTION AND TESTING OF WATERMAIN TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
9. WATER METER TO BE INSTALLED AS PER W32.
10. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY, WHERE WATERMAIN COVER IS LESS THAN 2.4m.
11. WATERMETER TO BE BLANKED AT MAIN, NOT AT PROPERTY LINE.
12. ALL FIRE HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W18.

SANITARY SEWER NOTES:

- 1. ALL SANITARY SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
2. ALL SANITARY SEWERS SHALL BE PVC SDR 35, IPEX "RING-TITE" (OR EQUIVALENT), AS PER CSA STANDARD B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE NOTED.
3. SANITARY SEWER TRENCH AND BEDDING SHALL BE AS PER CITY OF OTTAWA STD. S6 AND S7, CLASS 'B' BEDDING UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED SANITARY SEWERS AND EXISTING SEWERS CONNECTED TO THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED.

SERVICES AND STRUCTURES

Table listing existing and proposed services and structures: Sanitary Sewer (250mm SAN), Storm Sewer (375mm STM), Storm Subdrain (150mm SUBDRAIN), Storm Culvert (600mm CULVERT), Sanitary Manhole (SANMH 100), Combination Manhole (COMBHM 200), Storm Manhole (STMHM 100), Catchbasin Manhole (CBMH 100), Catchbasin (CB1), Double Catchbasin (DCB1), Catchbasin Elbow (S30) (CBE), Catchbasin Tee (S31) (CBT), Curb Inlet Catchbasin (CICB 1), Ditch Inlet Catchbasin (DICB 1), Watermain (200mm WATERMAIN), Irrigation (IR), Valve and Valve Box (V&VB), Valve and Valve Chamber (V&VC), Fire Hydrant (FH), Siamese Connection (SC), Water Meter (M), Remote Water Meter (RM), Tee (200X150 TEE), Reducer (200X100 RED), Cross (300X200 CROSS), Curb Stop (CS), Water Well (W).

GRADING

Table listing grading details: Ground Elevation (100.00), Swale Elevation (100.00/S), AOV Topo Top of Wall Elevation (100.00*), Top of Grate Elevation (T/G=100.00), Top of Wall Elevation (100.00 T/W), Bottom of Wall Elevation (100.00 B/W), Finished Floor Elevation (FF=100.00), Top of Foundation Elevation (TF=100.00), Basement Floor Elevation (BF=100.00), Parking Level Elevation (P1=100.00), Underside of Footing Elevation (USF=100.00), Original Ground Elevation (OG=100.00), Top of Rock Elevation (T/ROCK=100.00), Contour Lines (100.00), Slope and Direction of Flow (2.0%), Emergency Overland Flow Route Onsite (indicated by arrows), and Overland Flow Route External (indicated by arrows).

STORMWATER MANAGEMENT

Table listing stormwater management details: Storm Drainage Area Boundary (dashed line), Storm Drainage Area Number (1), Storm Drainage Area in Hectares (0.06), Storm-Off Coefficient (0.75), 5 Year Ponding Area (5 YR), and 100 Year Ponding Area (100 YR).

GEOTECHNICAL

Table listing geotechnical details: Borehole (BH), Test Pit (TP), Corehole (CH), Piezometer (PIZ), and Monitoring Well (MW).

SITE FEATURES

Table listing site features: Property Line, Top of Slope, Terracing (3:1 Typical), Ditch/Swale and Direction of Flow, Edge of Shoulder, Edge of Pavement, Road/Alignment, Chainlink Fence, Post and Rail Fence, Sidewalk (Type as noted on drawings), Barrier curb (SC1.1), Mountable curb (SC1.3), Depressed curb, Tactile walking surface indicator "TWSI" (SC7.3), Guardrail, Jersey barriers, Building entry/exit with risers, Building entry/exit barrier free, Building entry/exit overhead door, Post, Sign, Bollard, Vegetation.

UTILITY AND STRUCTURES

Table listing utility and structures: Hydro (overhead), Hydro, Power, Electrical, Bell (overhead), Bell, Cable (overhead), Cable TV, Fibre optic, Streetlight, Gasmain, Joint use trench - Bell/Cable TV, Joint use trench - Hydro/Bell/Cable TV, Joint use trench - Hydro/Bell/Cable TV/GAS, Joint use trench - Bell/Cable TV/GAS, Duct crossing with number and type of ducts, Streetlight, Streetlight disconnect, Hydro transformer, Hydro switching kiosk, Hydro manhole, Hydro meter, Utility pole and guy wire, Cable pedestal, Bell pedestal, Bell manhole, Bell ground level box, Endwall, Community mailbox, Gas valve, Gas meter, Traffic manhole, Traffic hand hole, Traffic joint use pole, Traffic mast arm, Traffic conduit.

CAUTION THE POSITION OF ALL 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, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

11061917 CANADA INC. (P) 1-877-835-2266. EXP SERVICES INC. 11061917 CANADA INC. (P) 1-877-835-2266. EXP SERVICES INC. 11061917 CANADA INC. (P) 1-877-835-2266.

Revision table with columns: REV, REVISION DESCRIPTION, DATE, BY, APPD, REV, REVISION DESCRIPTION, DATE, BY, APPD. Includes revisions 7 through 11.

Design and review information table with columns: DESIGNED BY, REVIEWED BY, CLIENT, PROJECT No. Includes client name 11061917 CANADA INC and project number OTT-252570-AD.

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