

DESCRIPTION EXISTING PROPOSED

SITE FEATURES

Table listing site features such as PROPERTY LINE, TOP OF SLOPE, TERRACING, DITCH/SWALE AND DIRECTION OF FLOW, EDGE OF SHOULDER, etc., with corresponding existing and proposed symbols.

UTILITY AND STRUCTURES

Table listing utility and structures including HYDRO (OVERHEAD), POWER, ELECTRICAL, BELL (OVERHEAD), CABLE (OVERHEAD), GASMAIN, JOINT USE TRENCH, DUCT CROSSING, STREETLIGHT, 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.

DESCRIPTION EXISTING PROPOSED

SERVICES AND STRUCTURES

Table listing services and structures such as SANITARY SEWER, COMBINATION SEWER, STORM SEWER, STORM SUBDRAIN, STORM CULVERT, SANITARY MANHOLE, COMBINATION MANHOLE, STORM MANHOLE, CATCHBASIN MANHOLE, CATCHBASIN, DOUBLE CATCHBASIN, CATCHBASIN ELBOW (S30), CATCHBASIN TEE (S31), CURB INLET CATCHBASIN, DITCH INLET CATCHBASIN, WATERMAIN, IRRIGATION, VALVE AND VALVE BOX, VALVE AND VALVE CHAMBER, FIRE HYDRANT, SIAMESE CONNECTION, WATER METER, REMOTE WATER METER, 45° BEND, 22.5° BEND, 11.25° BEND, TEE, REDUCER, CROSS, CURB STOP, WATER WELL.

GRADING

Table listing grading details including GROUND ELEVATION, SWALE ELEVATION, AOV TOPO TOP OF WALL ELEVATION, TOP OF GRATE ELEVATION, TOP OF WALL ELEVATION, BOTTOM OF WALL ELEVATION, FINISHED FLOOR ELEVATION, TOP OF FOUNDATION ELEVATION, BASEMENT FLOOR ELEVATION, PARKING LEVEL ELEVATION, UNDERSIDE OF FOOTING ELEVATION, ORIGINAL GROUND ELEVATION, TOP OF ROCK ELEVATION, CONTOUR LINES, SLOPE AND DIRECTION OF FLOW, OVERLAND FLOW ROUTE ONSITE, OVERLAND FLOW ROUTE EXTERNAL.

STORMWATER MANAGEMENT

Table listing stormwater management details such as STORM DRAINAGE AREA BOUNDARY, STORM DRAINAGE AREA NUMBER, STORM DRAINAGE AREA IN HECTARES, RUN-OFF COEFFICIENT, 5 YEAR PONDING AREA, 100 YEAR PONDING AREA.

GEOTECHNICAL

Table listing geotechnical details including BOREHOLE, TEST PIT, COREHOLE, PIEZOMETER, MONITORING WELL.

DESCRIPTION EXISTING PROPOSED

MISCELLANEOUS

Table listing miscellaneous items: REMOVED, RELOCATED, ADJUSTED, PAVEMENT OVER PARKING GARAGE, PAVEMENT OVER EARTH, ROAD REINSTATEMENT AS PER CITY STANDARD R10, RIP-RAP AS PER OPSD B10.010, LANDSCAPE REINSTATEMENT.

PAVEMENT STRUCTURE:

Table detailing pavement structures: HEAVY DUTY PAVEMENT STRUCTURE AREAS OVER PARKING STRUCTURES (40mm HL-3 OR SUPERPAVE, 50mm HL-8 OR SUPERPAVE, 150mm BASE, 100mm SUBBASE), HEAVY DUTY PAVEMENT STRUCTURE AREAS OVER EARTH (40mm HL-3 OR SUPERPAVE, 50mm HL-8 OR SUPERPAVE, 150mm BASE, 450mm SUBBASE).

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...
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...
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...
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. 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.

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.

ROAD NOTES:

- 1. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD 509.010, OPSD 310.
2. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
3. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
4. FOR PAVEMENT STRUCTURE DETAILS REFER TO LEGEND.

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.

Table with columns: REV, REVISION DESCRIPTION, DATE, BY, APPD. Contains revision history for the drawing.

Table with columns: SCALE, DESIGNED BY, REVIEWED BY, CLIENT. Contains design and review information.

exp. logo and contact information for exp Services Inc., including address and phone numbers.

Project information including CLIENT (11061917 CANADA INC), PROJECT (11061917 CANADA INC RESIDENTIAL DEVELOPMENT), SURVEY (OTT-252570-A0), DATE (JAN 2020), DRAWING No. (C001), and TITLE (NOTES AND LEGEND SHEET).