

GENERAL NOTES:

- 1. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE CITY OF OTTAWA...
2. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES...
3. THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION...
4. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS AND CONTRACTOR SAFETY STANDARDS...
5. ALL ELEVATIONS ARE GEODETIC AND UTILITY METRIC UNITS.
6. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
7. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT...
8. ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS...
9. ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSR STANDARDS AND SPECIFICATIONS...
10. ABUTTING PROPERTY GRADE TO BE MATCHED.
11. AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES...
12. SERVICE TRENCHES ON MUNICIPAL RIGHT OF WAY TO BE REINSTATED AS PER CITY OF OTTAWA DETAIL R10.
13. CONTRACTOR TO PROVIDE CCTV OF ALL SEWERS FOLLOWING COMPLETION OF CONSTRUCTION FOR ENGINEER'S REVIEW AND APPROVAL.
14. CONTRACTOR TO PROVIDE POST CONSTRUCTION TOPOGRAPHIC SURVEY RED-LINE MARK-UP CONFIRMING COMPLIANCE WITH GRADING, SERVING DESIGN AND PIPE ELEVATIONS.
15. JOB BENCH MARK - REFER TO SURVEY BY ADV LTD. CONFORM WITH CONTRACT ADMINISTRATOR PRIOR TO ILLUSTRATION OF BENCH MARK.
16. THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS AND APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT...
17. REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
18. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
19. UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THIS DRAWING SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
20. ALL PROPOSED REMOVALS AND ABANDONMENTS ARE TO BE REVIEWED AND COORDINATED BY THE CONTRACTOR BASED ON THE PROVIDED DOCUMENTS.

ADVANCED WORKS:

- 1. ANY UTILITIES OR INFRASTRUCTURE FOUND IN THIS DRAWING SET THAT IS NOTED OR CALLED OUT AS ADVANCED WORKS OR ANY REVISIONS TO THE ADVANCED WORKS CIVIL DESIGN SET BY OTHERS...
2. ALL ADVANCED WORKS UTILITIES ARE TO BE MAINTAINED AND PROTECTED DURING CONSTRUCTION.
3. PROPOSED CATCHBASINS MAY BE INSTALLED AS PART OF THE ADVANCED WORKS CONTRACT...
4. THE ADVANCED WORKS INFORMATION CONTAINED IN THIS DRAWING SET IS SOURCED FROM THE MOST RECENT ENGINEERING DRAWINGS SET OF ADVANCED WORKS AVAILABLE TO DPA AS NOTED ON THE TABLE F005 ON THIS PAGE...
5. THE REMOVALS INFORMATION CONTAINED IN THIS DRAWING PACKAGE IS A CONTINUATION OF THE REMOVALS REQUIRED FOR THE ADVANCED WORKS PACKAGE...
6. CONTRACTOR TO DETERMINE LIMITS OF EXISTING INFRASTRUCTURE WITHIN PROPOSED WORKS LIMITS THAT HAS BEEN REMOVED VERSUS THE EXISTING INFRASTRUCTURE THAT HAS BEEN ABANDONED IN PLACE.

EROSION AND SEDIMENT CONTROL:

- 1. CONTRACTOR TO PROTECT AND MAINTAIN ALL EXISTING OVERLAND FLOW ROUTES DURING ALL CONSTRUCTION ACTIVITIES.
2. CONTRACTOR SHALL NOT INTERRUPT THE EXISTING STORM FLOW WITH ANY CONSTRUCTION WORKS.
3. CONTRACTOR IS RESPONSIBLE FOR ALL BY-PASS PUMPING AND/OR DIVERSION OF STORM FLOWS DURING CONSTRUCTION TO ENSURE OPERATION OF THE EXISTING STORM SYSTEM IS MAINTAINED...
4. CONTRACTOR TO MONITOR TURBIDITY LEVELS AT THE DOWNS LAKE STORM SEWER OUTLET AT ALL TIMES DURING CONSTRUCTION.
5. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS...
6. FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCHBASIN MANHOLES...
7. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL...
8. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
9. INSTALL FILTER CLOTH ON ALL EXISTING AND PROPOSED STORM MAINTENANCE HOLES...
10. INSTALL SLEDSHOCK FILTERS (DETAIL D1) ON ALL EXISTING AND PROPOSED CATCH BASINS...
11. INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
12. THE CONTRACTOR MUST SET UP THE MEASURES INDICATED ON THE PLAN...
13. EROSION AND SEDIMENT CONTROL MEASURES AS PER OPSR 805.
14. WHEN EROSION AND SEDIMENT CONTROL MEASURES MUST BE COMPLETED A PORTION OF THE WORK...
15. WORK TO BE DONE IN THE VICINITY OF MAJOR WATERWAYS...
16. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE...
17. CONTRACTOR TO PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING...
18. CONTRACTOR TO INSPECT STRAW BALE FLOW CHECK DAMS...
19. PLAN TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
20. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
21. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE...
22. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW...
23. CONTROL WIND-BLOWN DUST OFF SITE TO ACCEPTABLE LEVELS...
24. FOR DUST CONTROL, CONTRACTOR TO APPLY CALCIUM CHLORIDE...
25. ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RESTORED...
26. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED...
27. CONTRACTOR RESPONSIBLE FOR MUNICIPAL ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING...
28. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL...
29. PROVIDE GRAVEL ENTRANCE MID MAT WHEREVER EQUIPMENT LEAVES THE SITE...
30. FILTER CLOTHS TO BE PROVIDED IN CATCHBASINS...
31. ALL SEDIMENT AND EROSION CONTROL MEASURES TO REMAIN FOLLOWING THE COMPLETION OF WORK...
32. INSPECT AND CLEAN CATCH BASIN Sumps AND STORM SEWERS.

WATERMAIN:

- 1. ALL WATERMAIN AND WATERMAIN APPURTENANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
2. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH 4411 AND OPSR 442.
3. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING WITH SPECIFICATION 090.
4. ALL WATER MAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE.
5. WHERE WATERMANS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED...
6. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED AT ANYTIME, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W22.
7. FOR WATERMAIN AT OPEN STRUCTURES THERMAL INSULATION AS PER W23.
8. FOR WATERMAIN IN DITCHED AREAS THERMAL INSULATION SHALL BE AS PER W21.
9. FOR WATERMAIN CROSSING UNDER TRACKS, 2.4m DEPTH OF COVER SHALL BE FROM THE TOP OF SUBGRADE SURFACE.
10. WATER MAIN BEDDING TO BE AS PER CITY OF OTTAWA STANDARD W17.
11. VALVE AND VALVE BOX TO BE AS PER CITY OF OTTAWA STANDARD W24.
12. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS...
13. FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W19.
14. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W4 & W42.
15. IF WATER MAIN MUST BE DEFLECTED TO MEET ALIGNMENT...
16. ALL CONNECTIONS OF NEW WATERMAIN TO EXISTING WATERMAIN...
17. CONTRACTOR TO CONFIRM WATERMAIN ELEVATION PRIOR TO CONSTRUCTION...
18. A PRESSURE CHECK AT COMPLETION OF CONSTRUCTION IS TO BE COMPLETED...
19. ALL UTILITY BOXES (IE FEDESTALS AND TRANSFORMERS) ARE TO BE INSTALLED...
20. WATER VALVES, BOTH PERMANENT AND ANY TEMPORARY DURING CONSTRUCTION...
21. CONNECTIONS OF SERVICES TO THE ADVANCED WORKS MAINS TO BE COMPLETED...
22. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
23. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSR 407 & 410.
24. SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR35 UNLESS SPECIFIED OTHERWISE...
25. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
26. ALL SANITARY MANHOLES 1200MM IN DIAMETER TO BE AS PER OPSR 701 010.
27. SANITARY SERVICE CONNECTIONS SHALL BE EQUIPPED WITH A BACKWATER VALVE PREVENTER...
28. PIPE INSULATION TO BE PROVIDED AS PER OPSR 1109 030...
29. PIPE TO PIPE CONNECTIONS TO BE COMPLETED AS PER S1151.1/S112 WHERE APPLICABLE.

SANITARY SEWER AND MANHOLES:

- 1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
2. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSR 407 & 410.
3. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR35 OR APPROVED EQUIVALENT...
4. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
5. ALL STORM MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSR 701 01.
6. WHERE FOUNDATION DRAIN PRESENT, STORM SERVICE CONNECTIONS SHALL BE EQUIPPED...
7. PIPE TO PIPE CONNECTIONS TO BE COMPLETED AS PER S1151.1/S112 WHERE APPLICABLE.

STORM SEWER AND MANHOLES:

- 1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
2. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSR 407 & 410.
3. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR35 OR APPROVED EQUIVALENT...
4. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
5. ALL STORM MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSR 701 01.
6. WHERE FOUNDATION DRAIN PRESENT, STORM SERVICE CONNECTIONS SHALL BE EQUIPPED...
7. PIPE TO PIPE CONNECTIONS TO BE COMPLETED AS PER S1151.1/S112 WHERE APPLICABLE.

ROADWAY:

- 1. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT...
2. RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.

RETAINING WALLS:

- 1. STRUCTURAL RETAINING WALLS DESIGNED AS PER CSA 86-19 CANADIAN HIGHWAY BRIDGE DESIGN CODE (CHBDC) WITH 75 YEAR SERVICE LIFE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURAL AND SLOPE STABILITY DURING ALL PHASES OF CONSTRUCTION...
3. CONTRACTOR SHALL MONITOR LATERAL AND VERTICAL MOVEMENTS OF TEMPORARY SHORING...
4. ALL EXPOSED SURFACE FINISHES AND AESTHETIC FEATURES FOR STRUCTURAL RETAINING WALL ELEMENTS SHALL BE APPROVED BY THE OTTAWA HOSPITAL (TOH).
5. ANTI-GRAFFITI COATING SHALL BE APPLIED TO ALL EXPOSED SURFACES OF RETAINING WALLS.
6. OPENINGS IN SAFETY RAILINGS OR FENCE ON TOP OF SURFACE OF RETAINING WALLS SHALL MEET THE REQUIREMENTS OF CHBDC.

THIRD PARTY UTILITIES ELECTRICAL:

- 1. CONTRACTOR TO CONFIRM OWNERSHIP OF ALL EXISTING AND REQUIRED ELECTRICAL INFRASTRUCTURE PRIOR TO COMMENCING ANY WORK...
2. EXISTING ELECTRICAL INFRASTRUCTURE TO BE DECOMMISSIONED AT THE PROJECT REMOVAL LIMITS AND PULLED BACK TO THE SOURCE OR THE CLOSEST AVAILABLE MAINTENANCE HOLE.
3. EXISTING ELECTRICAL INFRASTRUCTURE TO REMAIN IN PLACE MUST BE PROTECTED AND MAINTAINED ACCORDING TO THE OWNERS STANDARDS.

HYDRO:

- 1. CONTRACTOR TO CONFIRM OWNERSHIP OF ALL EXISTING AND REQUIRED HYDRO AND HYDRO OWNED INFRASTRUCTURE PRIOR TO COMMENCING ANY WORK...
2. EXISTING HYDRO INFRASTRUCTURE TO BE DECOMMISSIONED AT THE PROJECT REMOVAL LIMITS AND PULLED BACK TO THE SOURCE OR THE CLOSEST AVAILABLE MAINTENANCE HOLE.
3. EXISTING HYDRO INFRASTRUCTURE TO REMAIN IN PLACE MUST BE PROTECTED AND MAINTAINED ACCORDING TO THE OWNERS STANDARDS.
4. CONTRACTOR TO COORDINATE WITH HYDRO OTTAWA LIMITED, HYDRO ONE NETWORKS INC. OR OTHER PRIVATE HYDRO COMPANY PRIOR TO ANY WORKS.

GAS:

- 1. CONTRACTOR TO CONFIRM OWNERSHIP OF ALL EXISTING GAS LINES PRIOR TO COMMENCING ANY WORK...
2. EXISTING GAS INFRASTRUCTURE TO BE DECOMMISSIONED AT THE PROJECT REMOVAL LIMITS AND PULLED BACK TO THE SOURCE OR THE CLOSEST AVAILABLE MAINTENANCE HOLE.
3. EXISTING GAS INFRASTRUCTURE TO REMAIN IN PLACE MUST BE PROTECTED AND MAINTAINED ACCORDING TO THE OWNERS STANDARDS.
4. REFER TO E1-100 SERIES FOR TELECOMMUNICATION DEMARCATION AND DUCT BANK ROUTING.

TELECOMMUNICATION:

- 1. CONTRACTOR TO CONFIRM OWNERSHIP OF ALL EXISTING AND REQUIRED TELECOMMUNICATION INFRASTRUCTURE PRIOR TO COMMENCING ANY WORK...
2. EXISTING TELECOMMUNICATION INFRASTRUCTURE TO BE DECOMMISSIONED AT THE PROJECT REMOVAL LIMITS AND PULLED BACK TO THE SOURCE OR THE CLOSEST AVAILABLE MAINTENANCE HOLE.
3. EXISTING TELECOMMUNICATION INFRASTRUCTURE TO REMAIN IN PLACE MUST BE PROTECTED AND MAINTAINED ACCORDING TO THE OWNERS STANDARDS.
4. REFER TO E1-100 SERIES FOR TELECOMMUNICATION DEMARCATION AND DUCT BANK ROUTING.

REFERENCE INFORMATION

Table with columns: CONTRACT, ISSUANCE, DATE, RECEIVED FORMAT. Rows include Parking Garage Architecture, Civil, Mechanical, Structural, Central Utility Plant (CUP), and Advanced Works 1.0.

NOTES:

WSP DRAWING SET RELIES UPON AND SHOWS INFORMATION AS PROVIDED BY OTHERS. IN AN EFFORT TO COORDINATE ACROSS MULTIPLE PROJECTS THE ABOVE TABLE IS PROVIDED TO COMMUNICATE WHICH VERSION OF DRAWINGS WERE AVAILABLE TO WSP AT THE TIME OF DRAWING ISSUANCE.

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - PHASE 4 MAIN HOSPITAL BUILDING

900 CARLING AVE, OTTAWA, ONTARIO

CLIENT: The Ottawa Hospital, L'Hopital d'Ottawa

Infrastructure Ontario

PCL CONSTRUCTION, EllisDon

CLIENT PROJECT NO: 1070002



Table with columns: NO., DATE, DESCRIPTION, STATUS. Lists various drawing submissions and revisions.

DRAWING STATUS: NOT FOR CONSTRUCTION

DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE ARCHITECT BEFORE PROCEEDING. ONLY FIGURED DIMENSIONS ARE TO BE USED.

AUTORS: wsp

PROJECT TEAM: DESIGN-BUILDER PCL/DL, ARCHITECTURAL PARKIN ARCHITECTS LIMITED, STRUCTURAL STEPHENSON ENGINEERING LTD., MECHANICAL H H ANGLIS & ASSOCIATES LTD., ELECTRICAL MULVEY & BANANI INTERNATIONAL INC., CIVIL WSP CANADA INC., LANDSCAPE VERTIGOS DESIGN INC., BUILDING CODE LUIGI BUILDING CODE CONSULTANTS LTD.

AUTHOR PROJECT NO: CA0027758-0-51

STAMP: DRAWING TITLE

GENERAL NOTES 1 OF 1

DRAWN: L. CURLEY / B. NANDAL, CHECKED: C. GRAHAM, SCALE: N.T.S., DATE: 2024-02-28, GRAPHIC SCALE

DRAWING NO: C0-003, REV NO: 07