

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 UNLESS OTHERWISE SPECIFIED...
9. ALL MATERIALS SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSR STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED...
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. SERVICES 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, SERVICES DESIGN AND PIPE ELEVATIONS.
15. JOB BENCHMARK - REFER TO SURVEY BY ADV LTD. CONFORM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION 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 SPA AS NOTED ON THE TABLE FOUND 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 DURING THE CONSTRUCTION PERIOD...
7. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER...
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 LEAKAGE TIE IN TIEB (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, INSPECT THEM FREQUENTLY AND CLEAN AND REPAIR OR REPLACE THE DETERIORATED STRUCTURES...
13. EROSION AND SEDIMENT CONTROL MEASURES TO BE COMPLETED TO COMPLETE A PORTION OF THE WORK...
14. WORK TO BE DONE IN THE VICINITY OF MAJOR WATERWAYS...
15. CONTRACTOR TO INSPECT TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED SHORTLY.
16. CONTRACTOR TO INSPECT STRAW BALE FLOW CHECK DAMS, SILT FENCES, SILT SACKS, COIR MATS, AND CATCHBASIN Sumps REGULARLY...
17. PLAN TO BE REVISED AND REVISED AS REQUIRED DURING CONSTRUCTION.
18. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
19. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE...
20. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW...
21. CONTRACTOR MUST COVER EACH PILE WITH TARPS, STRAW OR A GEOTEXTILE FABRIC...
22. CONTRACT WIND-BLOWN DUST OFF SITE TO ACCEPTABLE LEVELS...
23. FOR DUST CONTROL, CONTRACTOR TO APPLY CALCIUM CHLORIDE...
24. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES...
25. PROVIDE GRAVEL ENTRANCE MID MAT WHEREVER EQUIPMENT LEAVES THE SITE...
26. PROVIDE PERMANENT COVER CONSISTING OF TOPSOIL AND SEED TO DISTURBED AREAS.
27. ALL SEDIMENT AND EROSION CONTROL MEASURES TO REMAIN FOLLOWING THE COMPLETION OF WORK...
28. 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 AWWA SPECIFICATION C900.
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 W02.
7. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS...
8. FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W19.
9. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W43 & W42.
10. FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W19.
11. IF WATER MAIN MUST BE DEPLETED TO MEET ALIGNMENT...
12. ALL CONNECTIONS OF NEW WATERMAIN TO EXISTING WATERMAIN & ALL BRANCHINGS OF EXISTING MAINS AND SERVICES SHALL BE PERFORMED BY CITY OF OTTAWA FORCES.
13. CONTRACTOR TO CONFIRM WATERMAIN ELEVATION PRIOR TO CONSTRUCTION...
14. A PRESSURE CHECK AT COMPLETION OF CONSTRUCTION IS TO BE COMPLETED TO DETERMINE IF PRESSURE CONTROL IS REQUIRED...
15. ALL UTILITY BOXES (IE FEDESTALS AND TRANSFORMERS) ARE TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF OTTAWA GUIDELINES FOR UTILITY FEDESTALS WITHIN THE ROAD RIGHT-OF-WAY.
16. WATER VALVES, BOTH PERMANENT AND ANY TEMPORARY DURING CONSTRUCTION, ARE NOT TO BE INSTALLED WITHIN PEDESTAL PLAZAS...
17. CONNECTIONS OF SERVICES TO THE ADVANCED WORKS MAINS TO BE COMPLETED USING TEES WITH THRUST BLOCKS AS PER CITY OF OTTAWA GUIDELINES.

SANITARY SEWER AND MANHOLES:

- 1. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES 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. SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC 50R-30 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-182.2.4.
4. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
5. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSR D01 0100.
6. SANITARY SERVICE CONNECTIONS SHALL BE EQUIPPED WITH A BACKWATER VALVE PREVENTER AS PER THE CITY OF OTTAWA STANDARD S14.1 AND S14.2.
7. PIPE INSULATION TO BE PROVIDED AS PER OPSR 1100 030 WHEN DEPTH OF COVER FOR SANITARY SEWER IS LESS THAN 2.0m.
8. PIPE TO PIPE CONNECTIONS TO BE COMPLETED AS PER S11S11.1/S11.2 WHERE APPLICABLE.
9. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
10. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSR 407 AND 410.
11. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC 50R-35 OR APPROVED EQUIVALENT WITH RUBBER GASKET PER CSA A-297.3.
12. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
13. ALL STORM MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSR D01 0101.
14. WHERE FOUNDATION GRAB PRESENT, STORM SERVICE CONNECTIONS SHALL BE EQUIPPED WITH A BACKWATER VALVE PREVENTER AS PER THE CITY OF OTTAWA STANDARD S14.
15. PIPE TO PIPE CONNECTIONS TO BE COMPLETED AS PER S11S11.1/S11.2 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 96-19 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 AT THE TOP, ALL THE BACKS AND BOTTOM OF THE EXCAVATION...
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 OR 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 INVOLVING THE EXISTING ELECTRICAL INFRASTRUCTURE.
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 INVOLVING THE EXISTING HYDRO INFRASTRUCTURE.
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.
5. REFER TO E1-100 SERIES DRAWINGS FOR POWER DEMARCATION AND DUCTBANK ROUTING.
6. REFER TO E1-100 SERIES FOR PRELIMINARY LOCATIONS OF SITE LIGHTING FIXTURES AND SECURITY CAMERA LOCATIONS.

GAS:

- 1. CONTRACTOR TO CONFIRM OWNERSHIP OF ALL EXISTING GAS LINES PRIOR TO COMMENCING ANY WORK INVOLVING THE EXISTING GAS INFRASTRUCTURE.
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 INVOLVING THE EXISTING TELECOMMUNICATION INFRASTRUCTURE.
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 4 columns: CONTRACT, ISSUANCE, DATE, RECEIVED FORMAT. Rows include PARKING GARAGE ARCHITECTURE, CIVIL, ELECTRICAL, MECHANICAL, STRUCTURAL.

CENTRAL UTILITY PLANT (CUP)

Table with 4 columns: UTILITY, ISSUED FOR COORDINATION, DATE, RECEIVED FORMAT. Rows include UTILITY, HYDRO OTTAWA DUCTBANKS, NATURAL GAS.

ADVANCED WORKS 1.0

Table with 4 columns: CONTRACT, ISSUANCE, DATE, RECEIVED FORMAT. Row includes ADVANCED WORKS 1.0.

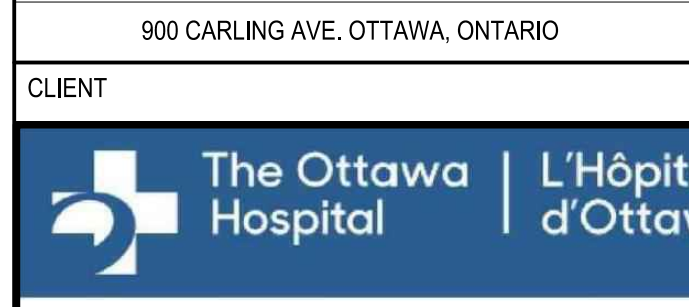
BOUNDARIES

Table with 4 columns: LIMIT OF WORK, FACILITY LEASE BOUNDARY, RIGHT OF WAY'S, DPA VARIATION ENQUIRY #, DATE, RECEIVED FORMAT.

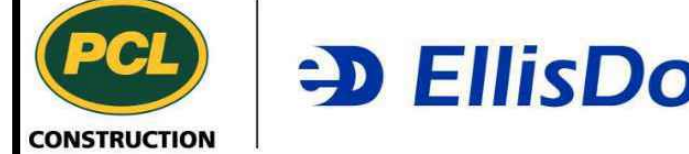
NOTE:

WSP DRAWING SET RELIES UPON AND SHOWS INFORMATION AS PROVIDED BY OTHERS IN AN EFFORT TO COORDINATE ACROSS MULTIPLE PROJECTS... THE ABOVE TABLE DOES NOT VERIFY THE MOST CURRENT DRAWING SET AVAILABLE...

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

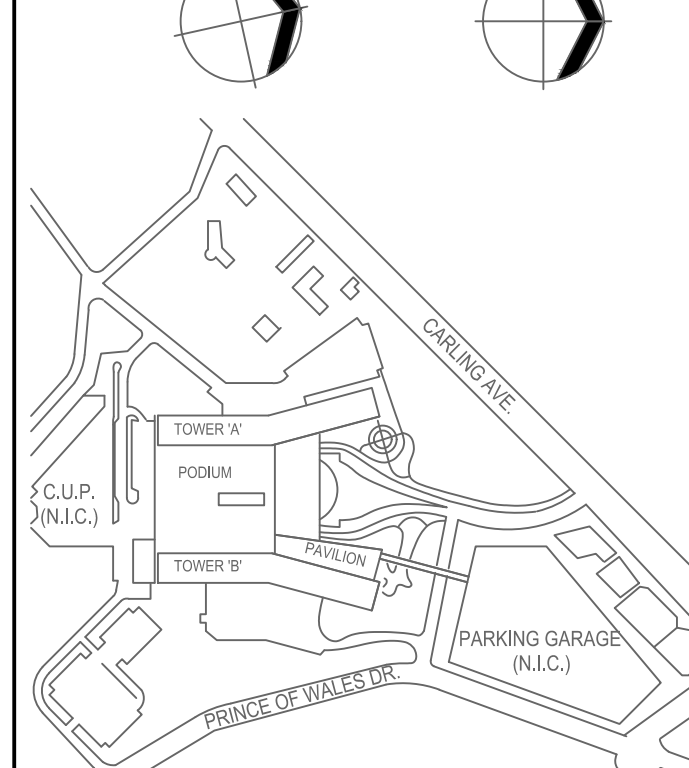


Infrastructure Ontario



CLIENT PROJECT NO. 1070002

KEY PLAN



WSP DRAWING SET RELIES UPON AND SHOWS INFORMATION AS PROVIDED BY OTHERS... THE ABOVE TABLE DOES NOT VERIFY THE MOST CURRENT DRAWING SET AVAILABLE...

Table with 4 columns: NO., DATE, DESCRIPTION, STATUS. Lists various drawing sheets and their revision status.

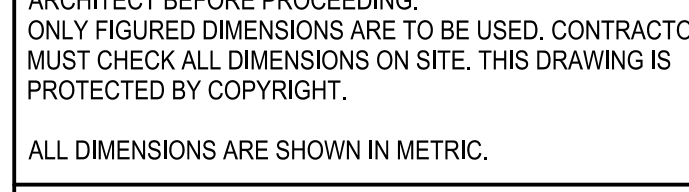
REVISIONS

NOT FOR CONSTRUCTION

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

ALL DIMENSIONS ARE SHOWN IN METRIC.

AUTHOR

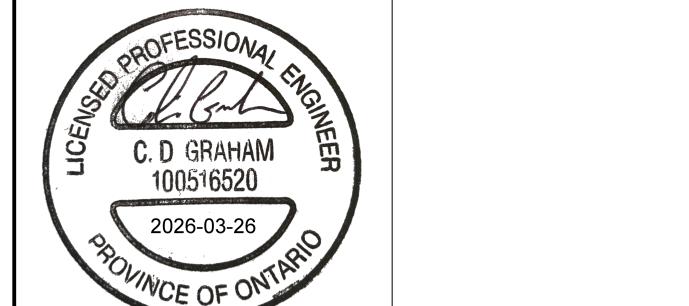


PROJECT TEAM

- DESIGN-BUILDER: POLIED, A JOINT VENTURE
ARCHITECTURAL: PARKIN ARCHITECTS LIMITED
STRUCTURAL: SIALO OBEREN-COVAIR INC.
MECHANICAL: HH ANGLUS & ASSOCIATES LTD.
ELECTRICAL: KELVEY & BARNWELL INTERNATIONAL INC.
CIVIL: WSP CANADA INC.
LANDSCAPE: HERSCHELE BISHOP INC.
BUILDING CODE: UMOG BUILDING CODE CONSULTANTS LTD.

AUTHOR PROJECT NO. CA0027758.0-51

STAMP



DRAWING TITLE

GENERAL NOTES

1 OF 1

Table with 2 columns: DRAWN, CHECKED. Rows include L. CURLEY / B. NANDLAL, C. GRAHAM.

SCALE AT 47' = 0' 0" N.T.S. DATE 2024-02-26

GRAPHIC SCALE

DRAWING NO. C0-003

REV. NO. 10

File Number: D07-12-26-0008 (Revision) D07-12-23-0168 (Original) Plan Number: 19424