

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 STANDARD SPECIFICATIONS AND DRAWINGS, ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE SPECIFIED.
2. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION.
3. THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO HYDRO, BELL, CABLE TV, AND ENBRIDGE GAS LINES.
4. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS AND CONTRACTOR SAFETY STANDARDS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
5. ALL ELEVATIONS ARE GEODETIC AND UTILIZE 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. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 0.300m MINIMUM AND 1.0m MAXIMUM.
8. ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
9. ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 310 & 316 MATERIALS TO MUNI 1001, OPSS 100 & 102.
10. ABUTTING PROPERTY GRADE TO BE MATCHED.
11. CONTRACTOR TO PROVIDE POST CONSTRUCTION TOPOGRAPHIC SURVEY RED-LINE MARK-UP CONFIRMING COMPLIANCE WITH GRADING, SERVING DESIGN AND PIPE ELEVATIONS.
12. JOB BENCH MARK - REFER TO SURVEY BY ADV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
13. 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, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMITS, WATER DATA CARD, ETC.
14. REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
15. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
16. UNLESS THE REVISION TITLE IS 'ISSUED FOR CONSTRUCTION', THIS DRAWING SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

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. REFER TO ADVANCED WORKS DRAWING PACKAGE FOR STAGING AND BY-PASS INFORMATION.
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. REFER TO LANDSCAPE DRAWINGS FOR INFORMATION RELATING TO THE EXISTING PLANTINGS AND TREES TO MAINTAIN. ENSURE 1.0m TO EXISTING TREE TRUNK FOR ALL GRADED SLOPES.
6. FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCHBASIN MANDS IS DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASIN.
7. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. ENCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. STOCKPILE AND TEST MATERIAL PRIOR TO OFFSITE REMOVAL. ANY CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY IN ACCORDANCE WITH CITY OF OTTAWA AND ANY GOVERNING FEDERAL REGULATIONS.
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 THAT WILL RECEIVE RUNOFF FROM THE SITE.
10. INSTALL SIX-BACK FILTERS (BETAL D1) IN ALL EXISTING AND PROPOSED CATCH BASINS STRUCTURES THAT WILL RECEIVE RUNOFF FROM THE SITE.
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. AT THE END OF THE CONSTRUCTION PERIOD, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF THE TEMPORARY STRUCTURES AND RECONDITIONING THE AFFECTED AREAS.
13. EROSION AND SEDIMENT CONTROL MEASURES AS PER OPSS 805.

EROSION AND SEDIMENT CONTROL CONT.:

- 14. WHEN EROSION AND SEDIMENT CONTROL MEASURES MUST BE REMOVED TO COMPLETE A PORTION OF THE WORK, THE SAME MEASURES MUST BE REINSTATED UPON THE WORKS COMPLETION.
15. WORK TO BE DONE IN THE VICINITY OF MAJOR WATERWAYS, SUCH AS DOWNS LAKE AND THE RIDEAU RIVER, SHALL BE CARRIED OUT FROM JULY TO SEPTEMBER ONLY.
16. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE. PROTECT DISTURBED AREAS FROM RUNOFF.
17. CONTRACTOR TO PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED SHORTLY.
18. CONTRACTOR TO INSPECT STRAW BALE FLOW CHECK DAMS, SILT FENCES, SILT SACKS, COIR MATS AND CATCHBASIN SUMPS REGULARLY AND AFTER EACH MAJOR STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
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 2.0m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE, THE PILE IS REMOVED.
22. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR TREES TO GROW (LONGER THAN 30 DAYS). WHEN STOCKPILING ON SITE IN PILES THE CONTRACTOR MUST COVER EACH PILE WITH TARPIS, STRAW OR A GEOTEXTILE FABRIC TO AVOID FINE PARTICLE TRANSPORT BY WIND AND/OR STREAMING RAIN WATER.
23. CONTROL WIND-BLOWNDUST OFF SITE TO ACCEPTABLE LEVELS BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED).
24. FOR DUST CONTROL, CONTRACTOR TO APPLY CALCIUM CHLORIDE (TYPE I - OPSS 2501 AND CANADIAN S-1) AND WATER WITH EQUIPMENT APPROVED BY THE OWNER'S REPRESENTATIVE AT RATE IN ACCORDANCE TO OPSS 506 WHEN DIRECTED BY OWNER'S REPRESENTATIVE.
25. ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RESTORED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER. SEDIMENT CONTROL SACKS MUST BE MAINTAINED AND CANNOT BE REMOVED UNTIL ALL LANDSCAPING AREAS ARE COMPLETED.
26. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THIS CONSULTING ENGINEER AND THE CITY OF OTTAWA DEPARTMENT OF PUBLIC WORKS.
27. CONTRACTOR RESPONSIBLE FOR MUNICIPAL ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING ETC. AT THE END OF EACH WORK DAY.
28. DURING WET CONDITIONS, TRAILS OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
29. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
30. PROVIDE GRAVEL ENTRANCE (MUD MAT) WHEREVER EQUIPMENT LEAVES THE SITE TO PROVIDE MUD TRACKING ONTO PAVED SURFACES. GRAVEL BED SHALL BE A MINIMUM OF 1.5m DEEP AND SHALL CONSIST OF COARSE MATERIAL. MAINTAIN GRAVEL ENTRANCE IN CLEAN CONDITION.
31. FILTER CLOTHS TO BE PROVIDED IN CATCHBASINS AFTER EVERY NEW CATCH-BASIN INSTALLATION.
32. PROVIDE PERMANENT COVER CONSISTING OF TOPSOIL AND SEED TO DISTURBED AREAS.
33. ALL SEDIMENT AND EROSION CONTROL MEASURES TO REMAIN FOLLOWING THE COMPLETION OF WORK AND AFTER DISTURBED AREAS HAVE BEEN REHABILITATED AND STABILIZED. THIS INCLUDES REMOVE STRAW BALE FLOW CHECK DAMS, SILT FENCES AND FILTER CLOTHS ON CATCH BASINS AND MANDOLE COVERS.
34. INSPECT AND CLEAN CATCH BASIN SUMPS AND STORM SEWERS.

ROADWAY:

- 1. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 300mm WIDTH MINIMUM IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R16.
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.
3. ANY TEMPORARY COVER ON ROADS A AND B THAT WILL BE PLACED BY OTHER OVER ROAD BASE TO PREVENT DAMAGE OR CONTAMINATION DURING HOSPITAL CONSTRUCTION ARE TO BE MAINTAINED BY CONTRACTOR. ANY TEMPORARY COVER ON ROADS TO BE REMOVED AND REPLACED TO THE FINAL GRADE AND FINAL ASPHALT ELEVATION.

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

900 CARLING AVE, OTTAWA, ONTARIO

CLIENT: The Ottawa Hospital | L'Hôpital d'Ottawa



CLIENT PROJECT NO: 1070002

KEY PLAN

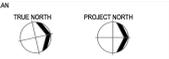


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REVISIONS

DRAWING STATUS

NOT FOR CONSTRUCTION

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