

1. GENERAL NOTES:

- 1.1. THE FOLLOWING NOTES APPLY UNLESS OTHERWISE INDICATED.
- 1.2. ALL DIMENSIONS INDICATED ARE IN METERS. PIPE SIZES INDICATED ARE IN MILLIMETERS. ALL ELEVATIONS ARE CHART DATUM.
- 1.3. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION SIGNAGE IN ACCORDANCE WITH THE NSTIR TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL. TRAFFIC DISRUPTION SHALL BE KEPT TO A MINIMUM.
- 1.4. DO NOT SUBSTITUTE MATERIALS UNLESS PRIOR APPROVAL IS OBTAINED FROM THE DEPARTMENTAL REPRESENTATIVE.
- 1.5. THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL TEMPORARY SERVICES SUCH AS WATER SUPPLY, SANITARY SEWER, ELECTRICAL OR COMMUNICATIONS AS DEEMED NECESSARY TO COMPLETE THE WORKS.
- 1.6. DRAWINGS HAVE BEEN COMPILED FROM TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY PSPC. NOT ALL SERVICES MAY BE SHOWN. THOSE SHOWN MAY NOT BE ACCURATE. CONTRACTOR SHALL CONFIRM EXISTING SERVICES DURING CONSTRUCTION AND EXERCISE CAUTION DURING EXCAVATION PROCEDURES. CONTRACTOR SHALL CONTACT APPROPRIATE AUTHORITY FOR LOCATION OF EXISTING UNDERGROUND UTILITIES. ANY DAMAGES MADE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
- NSCM 1034, CHART DATUM EL:3.598, NAD83 ORIGINAL ELLIPSOID, UTM ZONE 20 N5115350.586, E714837.671.
- 1.7. EXISTING INFORMATION SUPPLEMENTED WITH TOPOGRAPHIC SURVEY BY ATTWOOD SURVEYS, DATED AUGUST 2017.
- 1.8. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING GRADES AND LAYOUT CONTROL. CONTACT DEPARTMENTAL REPRESENTATIVE FOR CONTROL INFORMATION.
- 1.9. CONTRACTOR SHALL CONFIRM ALL CRITICAL ELEVATIONS IN THE FIELD AT THE START OF CONSTRUCTION. REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE.
- 1.10. ALL DEMOLITION WASTE SHALL BE DISPOSED OF OFF-SITE AT LOCATIONS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
- 1.11. CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED BEFORE CONSTRUCTION.
- 1.12. ALL EXCAVATIONS SHALL BE PROOF ROLLED. WHERE PROOF ROLLING REVEALS SOFT AREAS, SUB-EXCAVATE AND BACKFILL WITH TYPE 2 GRAVEL TO SUB-GRADE LEVEL IN MAX. 150mm LIFTS.
- 1.13. ALL DISTURBED AND EXPOSED AREAS SHALL BE REINSTATED WITH 150mm TOPSOIL AND HYDROSEEDING.
- 1.14. FINISHED GRADES SHALL BE AS INDICATED ON THE PLAN. ONCE CONSTRUCTION IS COMPLETE, ALL SURFACES SHALL HAVE POSITIVE DRAINAGE WITHOUT PONDING.
- 1.15. MAINTAIN SITE IN TIDY CONDITION FREE FROM ACCUMULATION OF WASTE PRODUCTS AND DEBRIS. UPON OBTAINING SUBSTANTIAL PERFORMANCE OF THE WORK, REMOVE SURPLUS PRODUCTS, TOOLS, MACHINERY, AND EQUIPMENT FROM THE SITE. COMPLETION OF CLEANUP IS REQUIRED FOR TOTAL PERFORMANCE OF THE WORK. SEE DIVISION 1 FOR FURTHER REQUIREMENTS.
- 1.16. ALL EXCAVATED ASPHALT SHALL HAVE SAWCUT EDGE.
- 1.17. GEOTECHNICAL TEST PIT INVESTIGATION REPORT COMPLETED BY STANTEC ON SEPTEMBER 26, 2017. THE REPORT IS APPENDED TO SPECIFICATIONS FOR REFERENCE.

2. SAFETY NOTES:

- 2.1. THE DEPARTMENTAL REPRESENTATIVE WILL NOT BE RESPONSIBLE FOR AND WILL NOT HAVE CONTROL OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS AND PROGRAMS REQUIRED FOR THE WORK.
- 2.2. THE CONTRACTOR SHALL HAVE COMPLETE CONTROL OF THE WORK AND SHALL EFFECTIVELY DIRECT AND SUPERVISE THE WORK SO AS TO ENSURE CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING THE VARIOUS PARTS OF THE WORK UNDER THE CONTRACT.
- 2.3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SAFETY AT THE SITE AND FOR COMPLIANCE WITH THE RULES, REGULATIONS AND PRACTICES REQUIRED BY THE APPLICABLE CONSTRUCTION SAFETY LEGISLATION.
- 2.4. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER IN CONNECTION WITH ANY INFRACTIONS OR ALLEGED INFRACTIONS OF THE CONTRACTOR WITH RESPECT TO ANY ACTS, CODES, REGULATIONS, ETC.
- 2.5. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING POWER LINES AND COMPLY WITH ALL SAFETY REGULATIONS WITH RESPECT TO CLEARANCES.

3. PIPE NOTES:

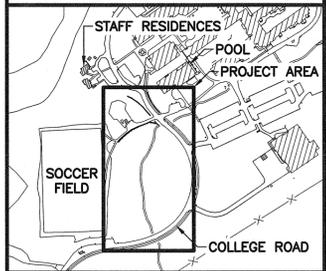
- 3.1. CONTRACTOR SHALL ASSIST DEPARTMENTAL REPRESENTATIVE IN OBTAINING DATA NECESSARY FOR RECORD DRAWINGS. CONTRACTOR SHALL RECORD ALL NECESSARY INFORMATION INCLUDING PIPE INVERTS, LATERALS AND UTILITY CROSSINGS. ALL LOCATES SHALL BE CARRIED OUT BY SURVEYORS AT THE CONTRACTOR'S OWN EXPENSE.
- 3.2. GROUND WATER DEPTH VARIES. CONTRACTOR SHALL PROVIDE A MEANS OF KEEPING EXCAVATIONS DRY TO PERMIT THE INSTALLATION OF NEW WORKS.
- 3.3. CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND STRUCTURES AND PROVIDE ADEQUATE SUPPORT DURING EXCAVATION AND BACKFILLING PROCEDURES.
- 3.4. DO NOT PLACE GRAVEL BASE FOR PIPE WITHOUT PRIOR APPROVAL OF THE EXCAVATION BOTTOM BY THE DEPARTMENTAL REPRESENTATIVE.
- 3.5. WHEN INSTALLING PIPE, PROOF ROLL THE TRENCH BOTTOM. WHERE PROOF ROLLING REVEALS SOFT AREAS, SUB-EXCAVATE AND BACKFILL WITH TYPE 2 GRAVEL TO UNDERSIDE OF BEDDING MATERIAL IN 150mm LIFTS.
- 3.6. PIPE BEDDING AND SURROUND MATERIAL OF PIPE SHALL BE COMPACTED TYPE 1 GRANULAR IN 150mm LIFTS. THE REMAINDER OF THE EXCAVATION SHALL BE COMMON MATERIAL AND COMPACTED IN 300mm LIFTS.
- 3.7. A-LOK GASKETS SHALL BE USED TO CONNECT PIPES TO NEW MANHOLES AND CATCHBASINS.

4. EROSION AND SEDIMENT CONTROL NOTES:

- 4.1. CONTRACTOR SHALL CARRY OUT ENVIRONMENTAL PROTECTION METHODS IN ACCORDANCE WITH THE PROVINCE OF NOVA SCOTIA EROSION AND SEDIMENT CONTROL MANUAL AND GUIDELINES FOR USE ON CONSTRUCTION SITES (LATEST EDITION) AND IN ACCORDANCE WITH THE NOVA SCOTIA DEPARTMENT OF ENVIRONMENT.
- 4.2. CONTRACTOR SHALL SUBMIT ITS OWN SEDIMENT AND EROSION CONTROL PLAN TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY DEMOLITION WORKS. CONTRACTOR SHALL PROVIDE A MARK-UP OF THE SITE PLAN THAT INDICATES THE METHODS PROPOSED AND DEVICES TO BE INSTALLED. PROTECTION METHODS SHALL BE COORDINATED WITH THE PROJECT SCHEDULE AND BE MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL ALL GROUND IS STABILIZED. THE PLAN SHALL BE CONTINUALLY UPDATED AS SITE CONDITIONS DICTATE.
- 4.3. CONTRACTOR TO ENSURE COPIES OF ALL PERTINENT APPROVALS AND PERMITS ARE HELD ON-SITE. THIS SHALL INCLUDE THE CONTRACTOR'S OWN EROSION CONTROL PLAN AND ANY SUBSEQUENT REVISIONS.
- 4.4. THE CONTRACTOR SHALL INCORPORATE A ROUTINE END-OF-DAY CHECK TO ENSURE THE INTEGRITY OF PROTECTION MEASURES USED.
- 4.5. CONTRACTOR SHALL MONITOR METEOROLOGICAL CONDITIONS AND FORECAST AS A PROACTIVE MEANS TO MINIMIZE THE POTENTIAL FOR EROSION.
- 4.6. INSPECT SEDIMENT AND EROSION CONTROL MEASURES ON A DAILY BASIS AND BEFORE AND AFTER HEAVY PRECIPITATION AND REPAIR AS NECESSARY.
- 4.7. INSTALL SILT FENCES, PROTECTION BERMS, CUT OFF DITCHES, SILTATION PONDS, GEOTEXTILE, HAY OR OTHER PROTECTION METHODS AS REQUIRED BY THE SITE CONDITIONS TO PREVENT SEDIMENT FROM ENTERING WATERCOURSES AND SEWERS.
- 4.8. MAINTAIN A STOCKPILE OF APPROPRIATE EROSION CONTROL AND ENVIRONMENTAL PROTECTION MATERIALS ON SITE AT ALL TIMES.
- 4.9. CONTRACTOR SHALL PERFORM WORK TO MINIMIZE DISTURBANCE TO SURROUNDING PROPERTIES AND MINIMIZE EXPOSED OPEN GROUND.
- 4.10. THE CONTRACTOR SHALL INSTALL AND MAINTAIN DIVERSION DITCHES AROUND AND/OR THROUGH THE CONSTRUCTION SITE TO KEEP OFF-SITE "CLEAN" WATER AWAY FROM THE WORKS.
- 4.11. STABILIZE ALL EXPOSED SLOPES AND OTHER AREAS NOT SUBJECT TO REWORKING AS SOON AS FINISHED GRADES ARE ESTABLISHED.
- 4.12. REMOVE SILT ACCUMULATIONS AT SILT FENCES AND OTHER PROTECTION DEVICES BY CAREFUL HAND EXCAVATION.
- 4.13. WHEN DE-WATERING OF THE CONSTRUCTION AREA IS REQUIRED, ONLY CLEAN WATER MAY BE DISCHARGED FROM THE SITE. DE-WATERING OF EXCAVATIONS SHALL BE DIRECTED THROUGH GRAVEL BERMS, FILTER BAGS OR UNDISTURBED VEGETATION.
- 4.14. DO NOT PUMP, DRAIN OR PERMIT WATER CONTAINING SUSPENDED MATERIALS TO ENTER INTO WATERWAYS OR SEWERS.
- 4.15. INSTALL SILT BAGS IN ALL EXISTING NEARBY CATCH BASINS DURING CONSTRUCTION.
- 4.16. CLEAN ROADS TO REMOVE ANY MUD AND SEDIMENT THAT MAY BE TRACKED OFF-SITE BY THE CONSTRUCTION EQUIPMENT.
- 4.17. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AT THE SITE. DUST SHALL BE PREVENTED THROUGH APPLICATION OF WATER TO EXPOSED DRY GROUND TO PREVENT DUST FROM BEING GENERATED AND BLOWN FROM THE SITE TO ADJACENT PROPERTIES.



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CCGC – CONTRACTOR ACCESS AND LAYDOWN AREA IN SUPPORT OF THE MECHANICAL UPGRADE PROJECT

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CONSTRUCTION NOTES AND DETAILS

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