

GENERAL NOTES

1. JOB BENCH MARK – CONFIRM WITH EXP SERVICES INC. PRIOR TO UTILIZATION.
2. ALL ELEVATIONS ARE GEODETIC IN METRIC UNITS.
3. CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF THE SAME.
4. CONTRACTOR TO COMPLY WITH MUNICIPAL REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING IN MUNICIPAL R.O.W.s AND PRIVATE STREETS.
5. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH LATEST VERSIONS OF THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS), CITY OF OTTAWA STANDARDS AND exp SERVICES INC. PLANS.
6. CONTRACTOR RESPONSIBLE FOR SITE LAYOUT AND TO MAINTAIN ON-SITE AS-BUILT OF "SITE SERVICING AND GRADING PLANS".
7. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION.
8. CONTRACTOR RESPONSIBLE TO PROVIDE DEWATERING, SUPPORT AND PROTECTION OF EXCAVATED TRENCHES; AND THE RELEASE OF ANY PUMPED GROUND WATER IN A CONTROLLED AND APPROVED MANNER.
9. CONTRACTOR TO CLEAR AND GRUB WITHIN 5.0m OFFSET OF PROPOSED GRAVEL PAD.

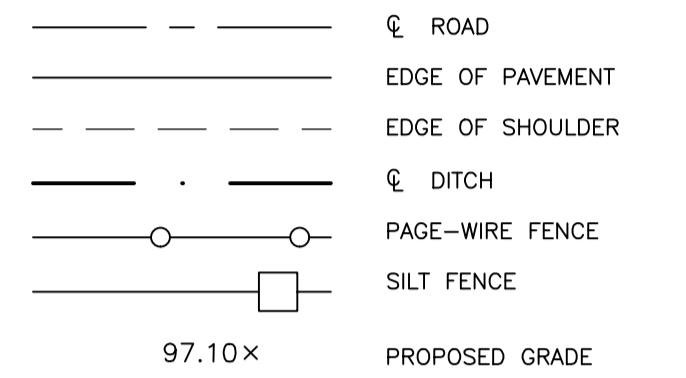
GENERAL NOTES FOR GRADING

10. CONTRACTOR SHALL REMOVE ALL SUPERFICIAL VEGETATION, LOCATED WITHIN DESIGNATED AREAS OF PROPOSED CONSTRUCTION. REMOVE AND/OR RELOCATE PIPES, FENCING, APPURTENANCES, STRUCTURES, ETC. THAT ARE DESIGNATED FOR REMOVAL AND/OR RELOCATION. SUPPLY AND INSTALL GRANULAR AS REQUIRED TO ACHIEVE PROPOSED GRADES. LOOSE SUBGRADE TO BE COMPACTED. SOFT AREAS SHALL BE SUB-EXCAVATED WITH A 5:1 TRANSITION TAPER TO FIRM SUBGRADE AND BACKFILLED WITH SELECT SUBGRADE MATERIAL.
11. CONTRACTOR TO COMPLETE ALL RESTORATION WITHIN CITY R.O.W.s TO CITY STANDARDS AND TO THE APPROVAL OF MUNICIPAL AUTHORITIES.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, BACKFILL AND REINSTATEMENT OF ALL AREAS DISTURBED DURING CONSTRUCTION AND ALL ASSOCIATED WORKS TO THE SATISFACTION OF THE ENGINEER, THE CITY OF OTTAWA AND THE NATIONAL RESEARCH COUNCIL (NRC).
13. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM NEAT AND STRAIGHT LINES PRIOR TO PLACING NEW PAVEMENT.
14. GRADING AROUND GRAVEL PAD WILL REQUIRE A MAXIMUM 3:1 TERRACING.
15. ALL GROUND SURFACES TO BE EVENLY GRADED WITH NO LOW LYING AREAS (PREVENT WATER POOLING) EXCEPT AS INDICATED PER PLAN THE LOCATION OF APPROVED SWALE.
16. GRANULAR PAD SHALL CONSIST OF 600mm OF GRANULAR B TYPE II AND 150mm OF GRANULAR "A". GRANULAR SHALL BE PLACED IN LIFTS NOT EXCEEDING 300mm AND COMPACTED TO A MIN 98% SPMD.
17. GRANULAR PAD SHALL BE A MINIMUM OF 0.6m ABOVE THE ORIGINAL GROUND CONDITIONS.

EROSION AND SEDIMENT CONTROL NOTES

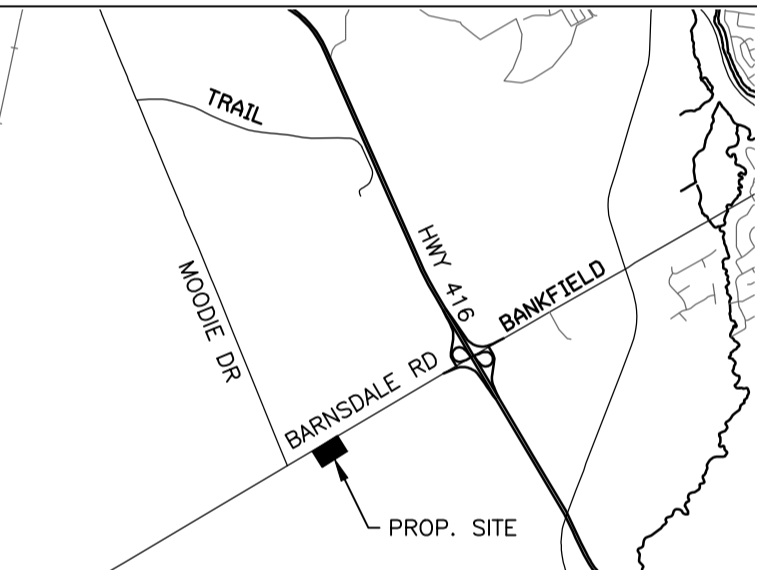
- DURING ALL CONSTRUCTION ACTIVITIES THE FOLLOWING EROSION AND SEDIMENTATION CONTROL (ESC) MEASURES TO BE IMPLEMENTED:
18. THE CONTRACTOR SHALL MINIMIZE AREA TO BE CLEARED / DISTURBED, PROPERLY STAGE EARTH-MOVING ACTIVITIES, PRESERVE MATURE VEGETATION WHERE POSSIBLE TO LIMIT THE LOSS OF TOPSOIL AND PREVENT STORMWATER POLLUTANT DISCHARGE. STOCKPILED MATERIAL (IF APPLICABLE) NOT USED WITHIN 14 DAYS MUST BE STABILIZED USING TEMPORARY SEEDING, TARPS, COMPACTION, SURFACE ROUGHENING AND/OR EQUIVALENT ESC MEASURES.
 19. COVER OR WET DOWN DRY MATERIALS AND RUBBISH TO PREVENT BLOWING DUST AND DEBRIS. PROVIDE DUST CONTROL OF ANY TEMPORARY ROADS.
 20. IF DEWATERING IS REQUIRED TO PROVIDE SEDIMENT TRAPS.
 21. PREVENT SANDBLASTING AND OTHER EXTRANEUS MATERIALS FROM CONTAMINATING AIR BEYOND APPLICATION AREA, BY PROVIDING TEMPORARY ENCLOSURES.
 22. THE CONTRACTOR SHALL INSTALL A SILT FENCE AS PER OPSD 219.110 WITHIN 300MM INSIDE THE SITE PROPERTY LINE OR PER PLAN.
 23. THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT ESC MEASURES TO PREVENT SILTING OF INLETS, STORM DRAINAGE SYSTEMS OR RECEIVING CHANNELS BY: LIMITING THE AMOUNT EXPOSED SOILS, INSTALLING FILTER FABRIC OR SLIT FENCES AROUND CATCH BASINS AND MANHOLE COVERS, INSTALLING SILT FENCES AND/OR OTHER EFFECTIVE SEDIMENT TRAPS.
 24. CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION ENTRANCE AS INDICATED ON THE PLAN AND AT ANY OTHER LOCATION WHERE EQUIPMENT LEAVES THE SITE TO PREVENT MUD TRACKING ON TO PAVED MUNICIPAL ROADS. THE CONSTRUCTION ENTRANCE SHALL CONSIST OF 50mm CRUSHER RUN CLEAR STONE 300mm DEEP. THE ENTRANCE SHALL BE MAINTAINED IN CLEAN CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
 25. DURING WET CONDITIONS, CONTRACTOR SHALL ENSURE THAT TIRES OF ALL VEHICLES AND EQUIPMENT LEAVING THE SITE ARE SCRAPPED AND ANY MUD OR DIRT TRACKED ON TO THE ROAD IS REMOVED.
 26. THE CONTRACTOR IS RESPONSIBLE TO APPLY ADDITIONAL SEDIMENT CONTROL MEASURES AS REQUIRED, REMOVE ALL SEDIMENTS/OTHER MATERIALS FROM ALL AREAS TO MINIMIZE CLOGGING AND TO KEEP ADJACENT PUBLIC ROADWAY(S) FREE FROM SEDIMENTS.
 27. IF ESC MEASURES REMOVED TEMPORARILY "TO ACCOMMODATE CONSTRUCTION OPERATIONS" THE CONTRACTOR IS RESPONSIBLE TO REINSTATE ALL REMOVED ESC MEASURES WITHIN 24 HOURS.
 28. THE CONTRACTOR IS RESPONSIBLE TO PERFORM DAILY VISUAL INSPECTION OF ALL ESC MEASURES; DAMAGED ESC MEASURES TO BE REPAIRED AND REINSTATED IMMEDIATELY.
 29. THE CONTRACTOR IS RESPONSIBLE TO CLEAN ALL SITE ESC MEASURES FROM ACCUMULATED DEBRIS/DEPOSITS (I.E. SILT ETC.) AS REQUIRED; ALL REMOVED DEBRIS/DEPOSITS TO BE DISPOSED OF AS PER REQUIREMENTS OUTLINE IN THE CONTRACT.
 30. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL ESC MEASURES ARE REQUIRED, THE CONTRACTOR IS RESPONSIBLE TO INSTALL ALL ADDITIONAL ESC MEASURES AS PRESCRIBED BY THE ENGINEER.
 31. CONSTRUCTION AND MAINTENANCE REQUIREMENTS OF ESC MEASURES TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) 805 AND CITY OF OTTAWA STANDARD SPECIFICATIONS.

LEGEND



97.10x

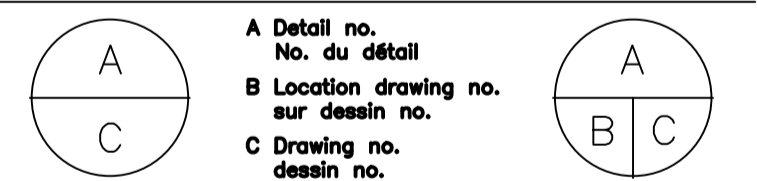
KEY PLAN



No.	Date	Revision	By:
0	29 07 2016	ISSUED FOR TENDER	MCK

Date Printed: Date imprimée

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité



project: TRAINING FACILITY GRAVEL PAD

5041 PROMENADE MOODIE

drawing: SITE PLAN

designed: MCK conçu: 07/2016

drawn: MCK dessiné: 1:500

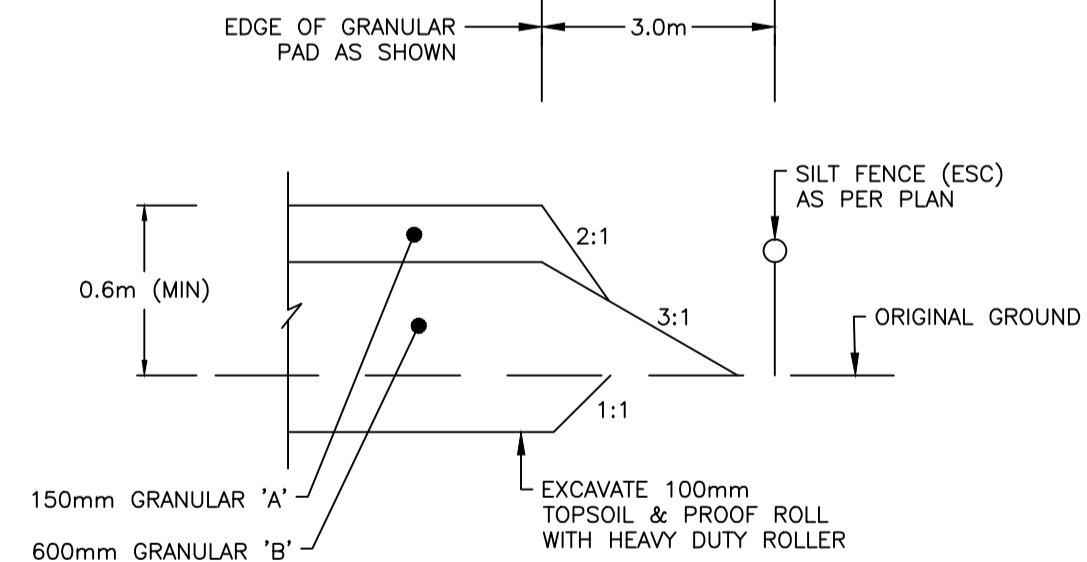
checked: LPD vérifié: sheet 01 of/de 01

approved: SLB approuvé: W.O.no. D.T.no.

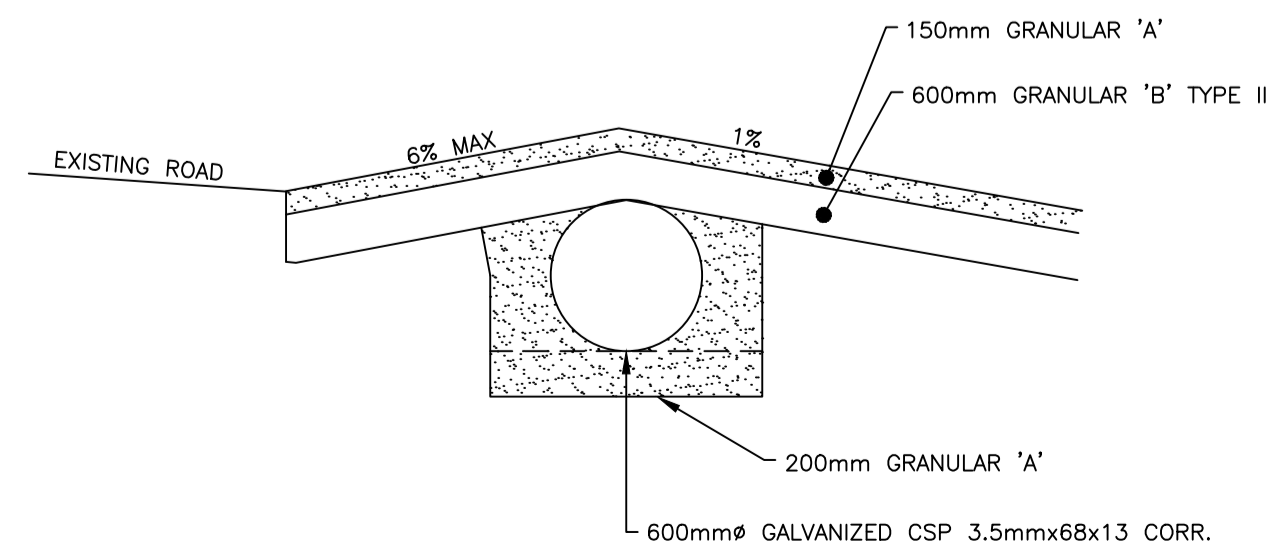
dwg.no. 5255-C01 dessin no.



1 SITE PLAN
 C01 SCALE = 1:500



TYPICAL GRAVEL PAD COMPOSITION



CULVERT CROSS SECTION