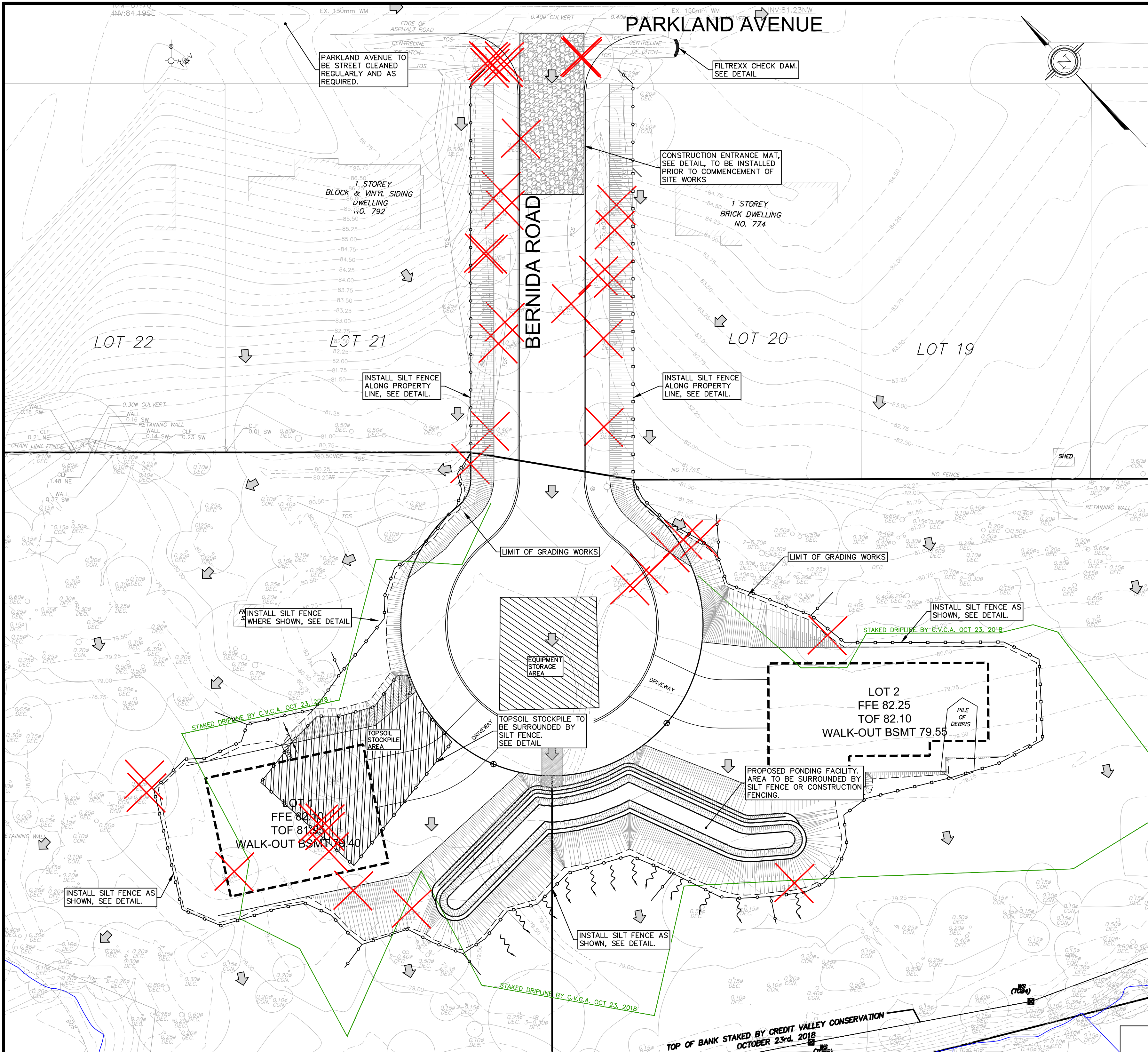




CONSTRUCTION STAGING NOTES

1. INSTALLATION OF CONSTRUCTION MUD MAT.
2. SILT/SEDIMENT FENCING TO BE INSTALLED WHERE SHOWN.
3. CLEARING, GRUBBING, AND REMOVALS: TOPSOIL TO BE STORED ON SITE WHERE SHOWN AND SURROUNDED BY SILT FENCING.
4. INSTALLATION OF WATERMAIN PIPE AND APPURTENANCES AND SANITARY SEWER FORCEMAINS.
5. PROPOSED ROADWAY GRADING WORKS TO BE COMPLETED.
6. CONSTRUCT PROPOSED BIOTENTION PONDING FACILITY.
7. INSTALLATION OF ASPHALT ROADWAY BASECOAT.
8. ALL EXPOSED EARTH TO BE RESTORED BY PLACING 250mm TOPSOIL WITH 50mm OF COMPOST MATERIAL AND ACTIVELY GROWING NURSERY SOD.
9. REMOVE CONSTRUCTION MUD MAT AND CONSTRUCT PROPOSED GRAVITY SANITARY SEWER WORK. INSTALLATION OF HOPE STORM CULVERT TO BE COMPLETED AT THIS TIME IN CONJUNCTION WITH SANITARY SEWER WORKS.
10. INSTALLATION OF ASPHALT ROADWAY TOP COAT.
11. DISTURBED AREAS TO BE RETURNED TO EXISTING CONDITIONS OR BETTER.
12. REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

SEED MIXTURE

SEED MIXTURE TO BE AS SPECIFIED IN THE CONTRACT DOCUMENTS AND TO BE APPROVED BY THE ENGINEER PRIOR TO ANY HAND-SEEDING OR BLOWN MULCHING.

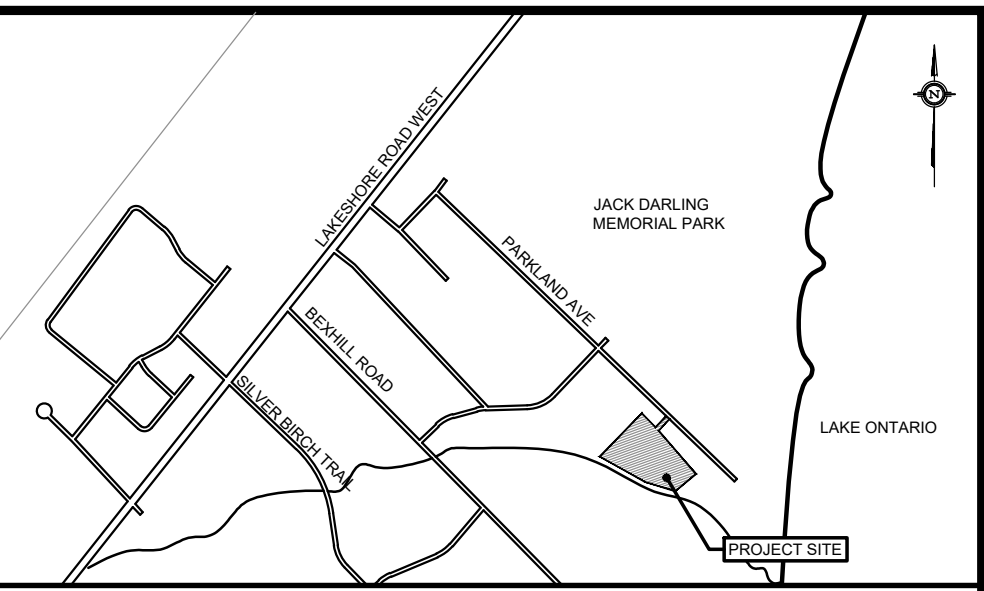
- 50% KENTUCKY BLUEGRASS
- 40% FINE FESCUE
- 10% PERENNIAL RYEGRASS

SEED AT A RATE OF 25kg/ha

SMALL AREAS OF FAILURE MUST BE RE-SEED PROMPTLY. IF LARGE AREAS OF FAILURE OCCUR, THE METHOD OF SEEDING SHOULD BE RE-EVALUATED.

EROSION AND SEDIMENT CONTROL NOTES

- THE FOLLOWING EROSION AND SEDIMENT CONTROL (ESC) MEASURES ARE TO BE READ IN CONJUNCTION WITH GREEK GRADING PLAN AND IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN CONSTRUCTION, CITY OF MISSISSAUGA, PEEB REGION, AND C.V.C.A.
1. THE CONTRACTOR IS TO PROVIDE CITY OF MISSISSAUGA, REGION OF PEEB, AND C.V.C.A. WITH 48 HOURS ADVANCE NOTICE PRIOR TO INITIATION OF CONSTRUCTION.
 2. ALL SEDIMENT CONTROL MEASURES SUCH AS SEDIMENT CONTROL FENCE, CONSTRUCTION MUDMATS, SEDIMENT TRAPS, SWALES AND CHECK DAMS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE WORKS.
 3. COFFER DAM AND PUMPS TO BE IMPLEMENTED WHERE NECESSARY.
 4. SEDIMENT CONTROLS SHOULD BE INSPECTED ON A REGULAR BASIS AND AFTER EVERY SIGNIFICANT RAINFALL EVENT. ALL DAMAGED ESC MEASURES WILL BE REPAIRED AND/OR REPLACED AS REQUIRED WITHIN 48 HOURS OF INSPECTION TO THE SATISFACTION OF THE REGION OF PEEB, THE CITY OF MISSISSAUGA, AND THE C.V.C.A.
 5. ADDITIONAL MATERIALS SUCH AS CLEAR STONE, FILTER FABRIC, HOSES AND SILT/STOCKX TO BE KEPT ON-SITE AT ALL TIMES FOR CONDUCTING REPAIRS TO SEDIMENT CONTROL MEASURES.
 6. ALL DISTURBED AREAS LEFT INACTIVE FOR MORE THAN THIRTY DAYS ARE TO BE STABILIZED WITH GRASS SEED OR SOD.
 7. THE STABILIZATION SEED MIXTURE IS TO BE APPLIED AT A MINIMUM RATE OF 25KG/HA USING TERRASOIL. SEE SEED MIX TABLE ON THIS SHEET OR APPROVED EQUIVALENT.
 8. ENGINEER MODIFICATIONS TO THE ESC PLAN MAY BE NEEDED AS SITE CONDITIONS CHANGE THROUGHOUT THE CONSTRUCTION PROCESS. THESE UPDATES MUST REFLECT BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION ON-SITE, AND SHOULD BE COMPLETED BASED ON DIRECTION FROM THE SITE ENGINEER. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER THROUGHOUT THE CONSTRUCTION PROCESS.
 9. TEMPORARY SEDIMENT TRAPS ARE TO BE CONSTRUCTED AT THE BEGINNING OF SITE GRADING AND IF THE SITE DRAINAGE CHANGES DURING CONSTRUCTION. IT MAY BE NECESSARY FOR TEMPORARY SWALES TO BE CONSTRUCTED TO DIRECT SITE FLOWS TO THE TEMPORARY SEDIMENT TRAPS DURING ROUGH GRADING AND AS CONSTRUCTION PROGRESSES.
 10. IF STOCKPILES ARE USED ON-SITE FOR THE STORAGE OF EXCESS MATERIAL, THEY ARE TO BE SURROUNDED BY SILT FENCE. SEE DETAIL THIS SHEET. ALL EXCAVATED MATERIAL IS TO BE DRIED AS REQUIRED AND TRANSPORTED FROM THE SITE. SOIL DRYING LOCATIONS TO BE SURROUNDED WITH SILT FENCE. SEE DETAIL THIS SHEET.
 11. ANY DEWATERING OCCURRING ON SITE MUST BE IN ACCORDANCE WITH AN APPROVED DEWATERING PLAN. ADDITIONAL DEWATERING REQUIREMENTS MAY BE DEEMED NECESSARY AND SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER, CONTRACT ADMINISTRATOR OR LOCAL MUNICIPALITY.
 12. PARKLAND AVENUE TO BE STREET CLEANED REGULARLY AND AS REQUIRED.
 13. DUST CONTROL MEASURES ARE TO BE UNDERTAKEN AS NECESSARY. WATER TRUCK MUST BE AVAILABLE AT ALL TIMES.
 14. AN APPROVED SPILLS MANAGEMENT PLAN IS TO BE KEPT ON-SITE.
 15. SPILL CLEANUP EQUIPMENT SUCH AS ABSORBENT MEDIA IS TO BE MAINTAINED ON-SITE FOR IMMEDIATE USE IN THE EVENT OF A SPILL.
 16. SPILLS ARE TO BE REPORTED IMMEDIATELY TO THE M.O.E. SPILLS ACTION CENTRE AT 1-800-268-6060.
 17. THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEAN-UP AND RESTORATION, INCLUDING ALL COSTS, DUE TO THE RELEASE OF SEDIMENT FROM THE SITE.
 18. ADDITIONAL SEDIMENT CONTROL DEVICES MAY BE DEEMED NECESSARY AND AS SITE CONDITIONS CHANGE AND SHALL BE INSTALLED AS DIRECTED BY THE SITE ENGINEER, CONTRACT ENGINEER, CITY OF MISSISSAUGA, REGION OF PEEB, C.V.C.A., OR M.O.E.
 19. ALL TEMPORARY ESC TO BE REMOVED FROM SITE AFTER THE COMPLETION OF ALL EARTHWORKS AND STABILIZATION (VEGETATION) OF EXPOSED SOILS.



LEGEND	
EXISTING	PROPOSED
MH1A SANITARY MANHOLE	MH1A SANITARY MANHOLE
FIRE HYDRANT	FIRE HYDRANT
VALVE & BOX	VALVE & BOX
CURB STOP	CURB STOP
EASEMENT	LIMIT OF SUBJECT PROPERTY
RIGHT OF WAY	RIGHT OF WAY
LOT LINE	LOT LINE
FENCE LINE	FENCE LINE
CURB/SIDEWALK	CURB/SIDEWALK
BUILDING	BUILDING
RETAINING WALL	SILT FENCE/SILT/STOCKX
MAJOR CONTOUR LABEL	OVERLAND FLOW
MINOR CONTOUR LABEL	CONSTRUCTION MUD-MAT
	TREE REMOVAL
	FILTREXX CHECK DAM

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. CONTOUR INTERVAL IS 0.25m.
3. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION, AND ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
4. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT CITY OF MISSISSAUGA STANDARD SPECIFICATIONS AND DRAWINGS UNLESS OTHERWISE NOTED HEREIN.
5. ORDER OF PRECEDENCE OF STANDARDS DRAWINGS IS FIRSTLY CITY OF MISSISSAUGA, AND SECONDLY ONTARIO PROVINCIAL STANDARD DRAWINGS (OPS).
6. THE CONTRACTOR IS TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. CONTRACTOR IS REQUIRED TO OBTAIN ALL LOCATIONS & NOTIFY THE VARIOUS UTILITY COMPANIES 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE CITY OF MISSISSAUGA AND CONSULTANT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

BENCHMARK

BENCHMARK No. 710
ELEVATION = 93.66m
LOCATION: CITY OF MISSISSAUGA
DESCRIPTION:

COMPLETED BY:
J. H. GELBLOOM SURVEYING LIMITED - ONTARIO LAND SURVEYORS
476 MORDEN ROAD, UNIT 102, OAKVILLE, ON L6K 3W4 (905) 336-8210
COMPLETED ON: JANUARY 20, 2019

NO.	REVISION	DATE	BY	APPROVED
01	ISSUED FOR APPROVAL	2020/03/25	E.G.	



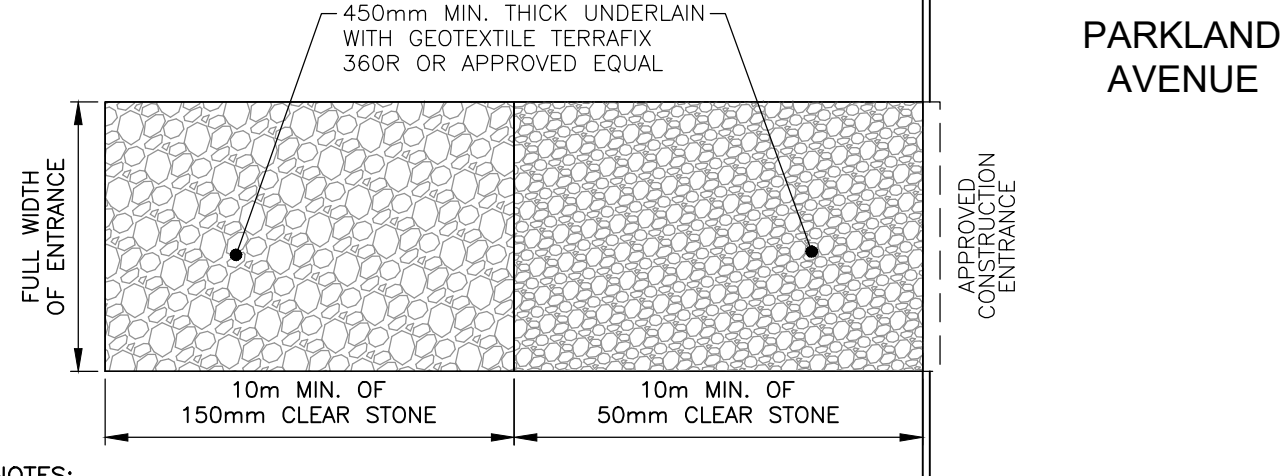
5770 Highway 7, Woodbridge, Ontario, L4L 1T8 www.greck.ca



CLIENT NAME:
GEORGE PACLIK

PROJECT NAME:
BERNIDA ROAD SUBDIVISION
0 BERNIDA ROAD MISSISSAUGA, ON
EROSION SEDIMENT CONTROL PLAN AND DETAILS

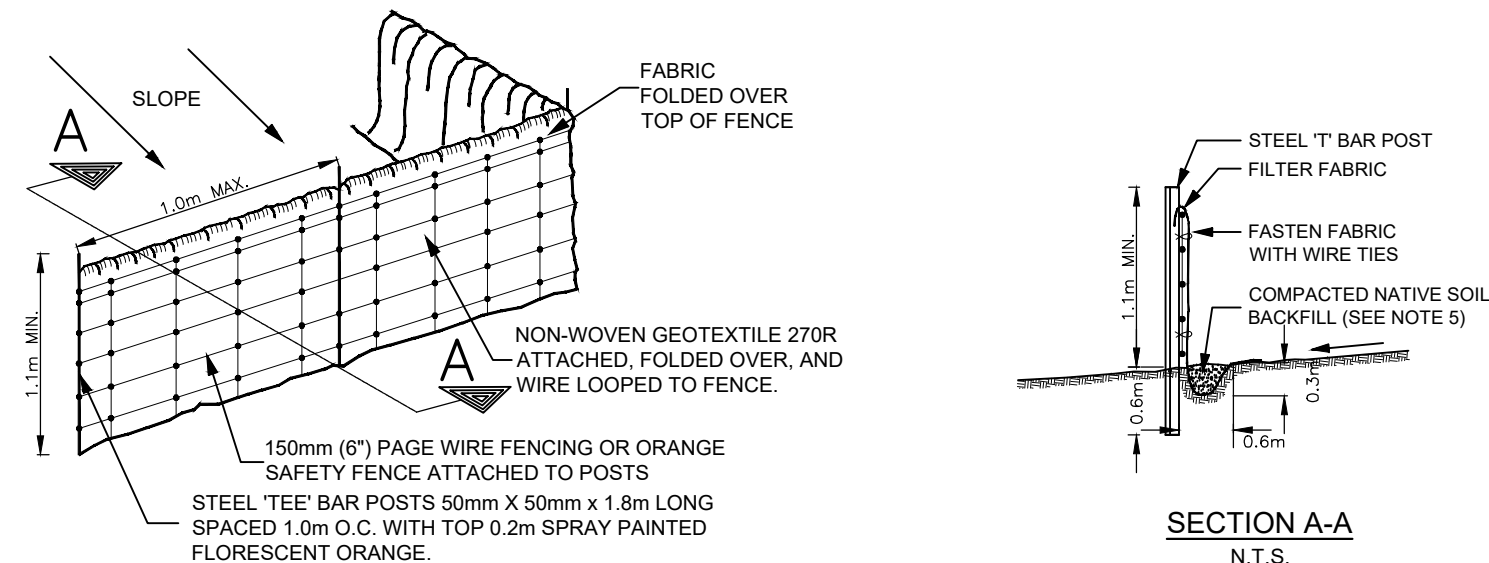
DESIGNED BY: J.N.	SCALES:	PROJECT No. 19-631
CHECKED BY: E.G.	HORIZONTAL: 1:300	DRAWING No. C4
DRAWN BY: J.N.	VERTICAL: N/A	SHEET No. 04
DATE: MAR 20, 2020	SHEET SIZE: 24"x36"	



- NOTES:
1. GRANULAR MATERIAL IS TO BE CLEAN APPROVED MATERIAL AND PLACED AT NOTED DIMENSIONS PRIOR TO LAND DISTURBANCE.
 2. GEOTEXTILE IS TO BE UNDERLAIN OVER THE ENTIRE AREA PRIOR TO STONE PLACEMENT.
 3. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL REDUCE TRACKING OR FLOWING OF SEDIMENT ONTO R.O.W. AND GRANULAR MATERIAL IS TO BE REPLACED AS WARRANTED OR DIRECTED BY THE SITE ENGINEER.

CONSTRUCTION MUDMAT DETAIL

N.T.S.

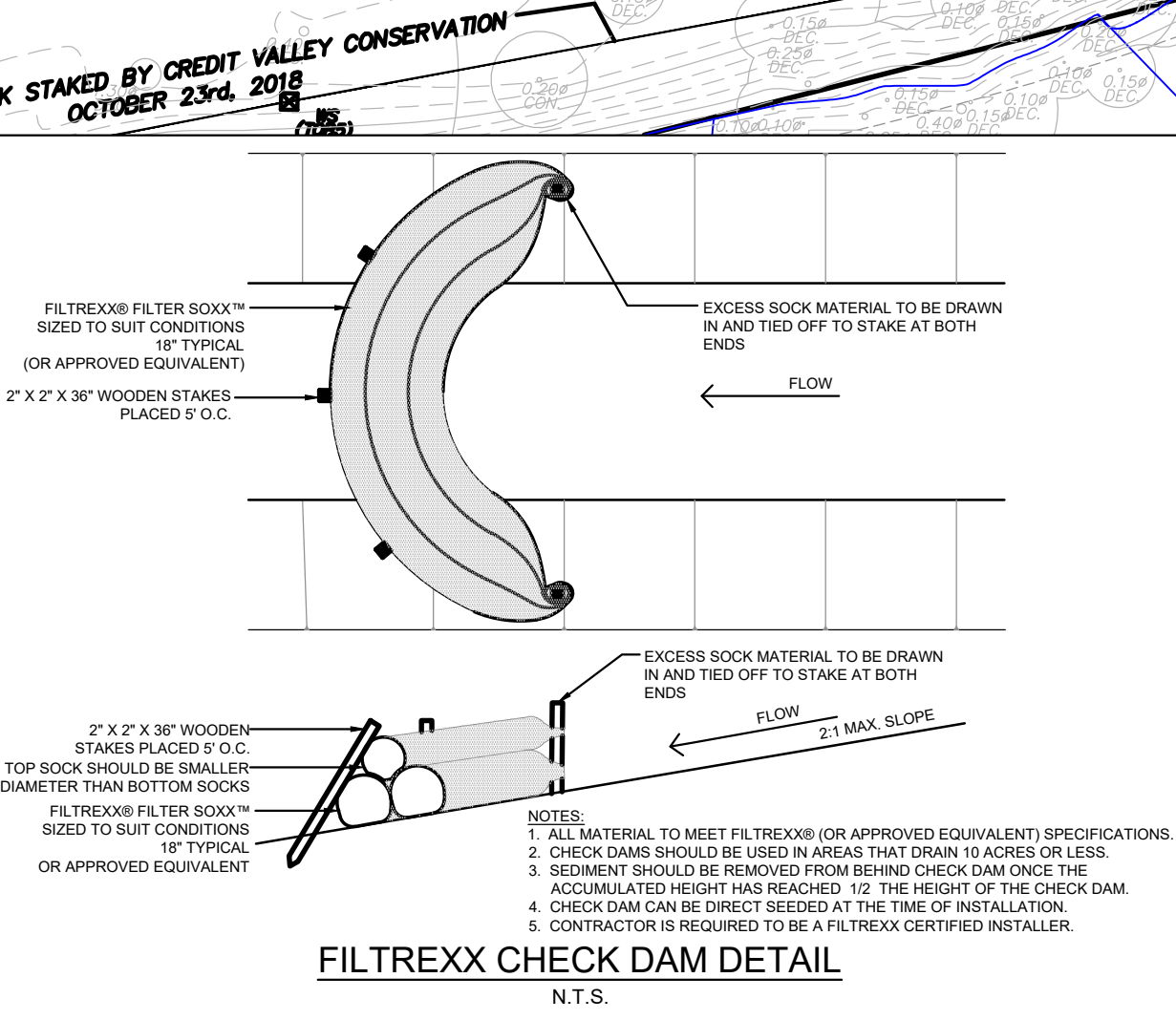


NOTES

1. SILT CONTROL FENCE SHOULD BE ALIGNED WITH CONTOURS FOR SHEET OVERLAND FLOW.
2. SILT/SEDIMENT CONTROL FENCE IS TO BE LOCATED IN AREAS OF LOW SEDIMENT YIELD ON SLOPES THAT CONFORM TO MTO DRAINAGE MANUAL VOLUME 2 "CHART F4-30 TOPOGRAPHIC FACTOR LS BASED ON SLOPE LENGTH AND GRADIENT."
3. SILT/SEDIMENT CONTROL FENCE SHALL BE INSTALLED WITH FILTER MEDIA FABRIC TOED INTO THE SOIL A MIN. OF 300mm BY EITHER STATIC SLICING OR TRENCH METHODS WITH COMPACTION OF TRENCH MATERIAL MEETING 95% STANDARD PROCTOR DENSITY.
4. STEEL "T" BAR POSTS ARE TO BE SPACED MAX. 1.0m ON CENTER.
5. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN.
6. GEOTEXTILE FABRIC TO BE COMPRISED OF NON-WOVEN U.V. STABILIZED MATERIAL. FABRIC TO BE FOLDED OVER TOP OF FENCE MIN. 300mm AND WIRE FASTENED.

SEDIMENT CONTROL FENCE DETAIL

N.T.S.



FILTREXX CHECK DAM DETAIL

N.T.S.