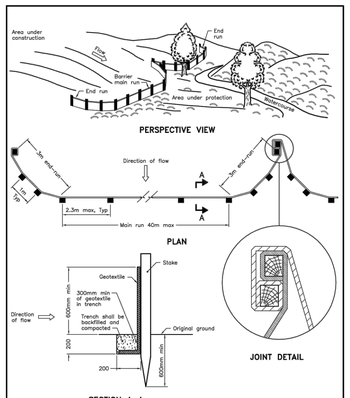


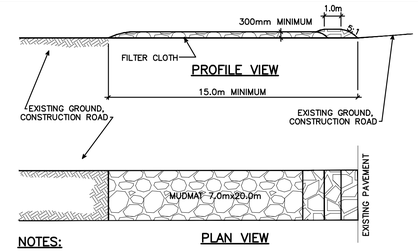
LIGHT DUTY SILT–FENCE NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
2. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
6. GEOTEXTILE TO BE EMBEDDED 200mm INTO GROUND.
7. GEOTEXTILE TO CONFORM TO OPSS 805 STANDARDS.
8. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.
9. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.

EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

DURING ALL SOIL DUMP ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
3. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
4. PROVIDE TEMPORARY EROSION CONTROL BLANKET ON PROPOSED SLOPES GREATER THAN 7% UNTIL SUFFICIENT LANDSCAPE COVER HAS BEEN ESTABLISHED AT THE END OF EACH PHASE OF SOIL DUMP ACTIVITY.
5. THE PRODUCT USED AS EROSION CONTROL BLANKET SHALL BE RATED FOR SLOPES UP TO AND STEEPER THAN 3H:1V. PRODUCT SHALL BE TERRAFIX® – DOUBLE NET S200 OR APPROVED EQUIVALENT
6. A SILT FENCE TO BE INSTALLED TO LOCATIONS SHOWN ON THIS DRAWING PRIOR TO COMMENCEMENT OF INFILTRATION TRENCH CONSTRUCTION AND SHALL BE MAINTAINED SUFFICIENT LANDSCAPE COVER HAS BEEN ESTABLISHED.
7. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
8. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
9. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
10. CONSTRUCTION AND MAINTENANCE REQUIRMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.
11. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.



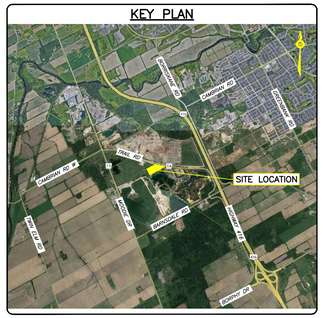
NOTES:

1. STONE – USE CLEAR CRUSHED 100mm STONE.
2. LENGTH – AS REQUIRED BUT NOT LESS THAN 15.0m.
3. THICKNESS – NOT LESS THAN 300mm.
4. WIDTH – 7.0m MINIMUM, NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT–OF–WAY. THIS MAY REQUIRED PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED OR TRACKED ONTO THE PUBLIC RIGHT–OF–WAY MUST BE REMOVED IMMEDIATELY.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

MUD MAT DETAIL

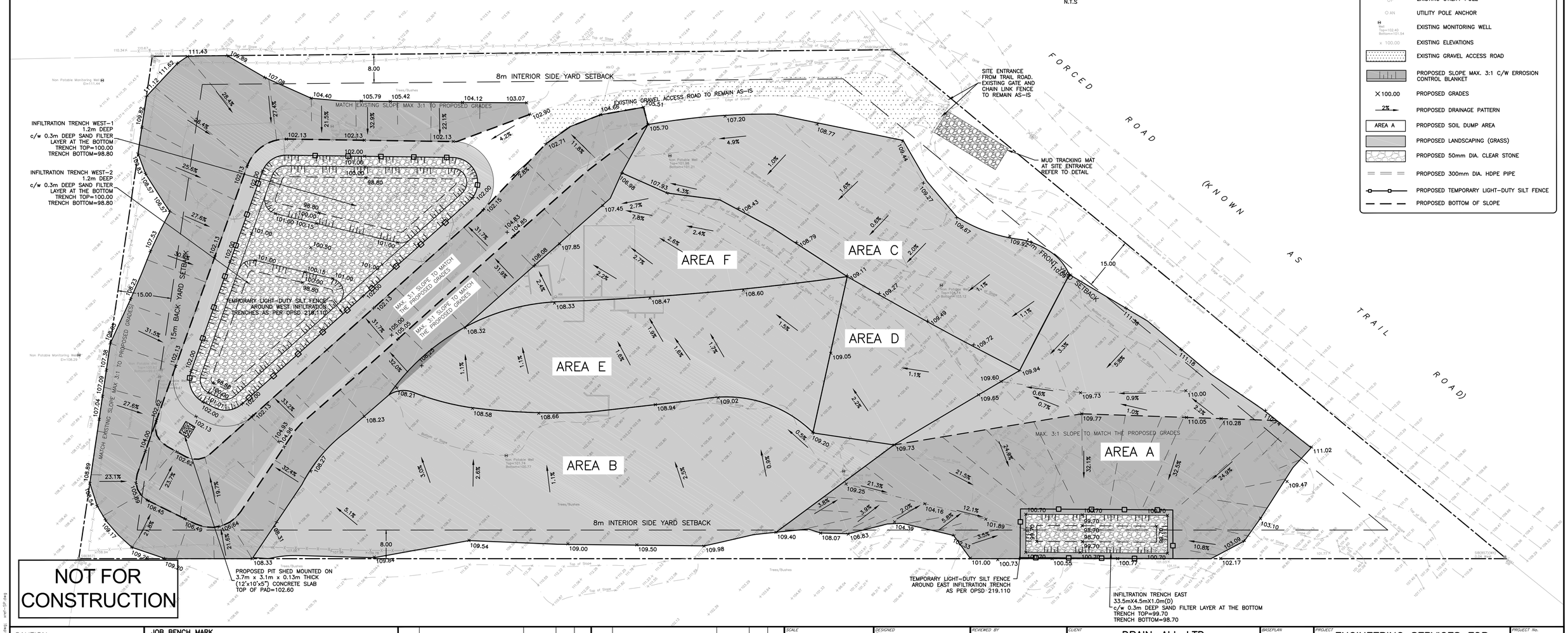
N.T.S

KEY PLAN



LEGEND

	PROPERTY LINE
	EXISTING BOTTOM OF SLOPE
	EXISTING TOP OF SLOPE
	EXISTING CENTER LINE OF DITCH
	EXISTING GATE
	EXISTING CHAIN LINK FENCE
OHW	EXISTING OVERHEAD HYDRO LINE
UP	EXISTING UTILITY POLE
AN	UTILITY POLE ANCHOR
MW Well Top=102.40 Bottom=101.54	EXISTING MONITORING WELL
× 100.00	EXISTING ELEVATIONS
	EXISTING GRAVEL ACCESS ROAD
	PROPOSED SLOPE MAX. 3:1 C/W ERROSION CONTROL BLANKET
× 100.00	PROPOSED GRADES
2%	PROPOSED DRAINAGE PATTERN
AREA A	PROPOSED SOIL DUMP AREA
	PROPOSED LANDSCAPING (GRASS)
	PROPOSED 50mm DIA. CLEAR STONE
	PROPOSED 300mm DIA. HDPE PIPE
	PROPOSED TEMPORARY LIGHT–DUTY SILT FENCE
	PROPOSED BOTTOM OF SLOPE



NOT FOR CONSTRUCTION

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

JOB BENCH MARK
CP IN UTILITY POLE ELEVATION = 111.79

TOPOGRAPHIC INFORMATION
PART OF LOT 8, CONCESSION 4 (RIDEAU FRONT), GEOGRAPHIC TOWNSHIP OF NEPEAN, CITY OF OTTAWA.

Bearing Note
Bearings hereon are grid bearings derived from the Can–Net Real Time Network and are referred to the Central Meridian of MTM Zone 9 (76°30' West Longitude) Nad–83 (original).

Elevation Notes
Elevations shown are geodetic and are referred to Geodetic Datum CGVD–1928 :1978. (Monument No. 19770866)

REV	REVISION DESCRIPTION	DATE	BY	APPD
3	RE–ISSUED FOR SPA	19/12/23	AGJ	AA
2	ISSUED FOR SPA	23/06/23	AJ	AA
1	ISSUED FOR CLIENT REVIEW	20/10/22	AJ	AA

SCALE: HORIZONTAL 1:500 (0, 5m, 10m, 20m)
NORTH

DESIGNED BY: LICENSED PROFESSIONAL ENGINEER A. K. JARIWALA 100562090 2023/12/19 PROVINCE OF ONTARIO
REVIEWED BY: LICENSED PROFESSIONAL M.A. ANSARI 2023/12/19 PROVINCE OF ONTARIO

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BASEPLAN	AJ
DESIGN	AJ
CHECKED	AA
CAD	AJ
PROJECT MANAGER	AA
APPROVED	AA

PROJECT: ENGINEERING SERVICES FOR 4380 TRAIL ROAD, OTTAWA, ONTARIO.

TITLE: ULTIMATE EROSION AND SEDIMENT CONTROL PLAN AND DETAILS

PROJECT No.	OTT–21023795–A0
SURVEY	FSD
DATE	27/04/2022
DRAWING No.	C300

DG7-12-23-0066
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