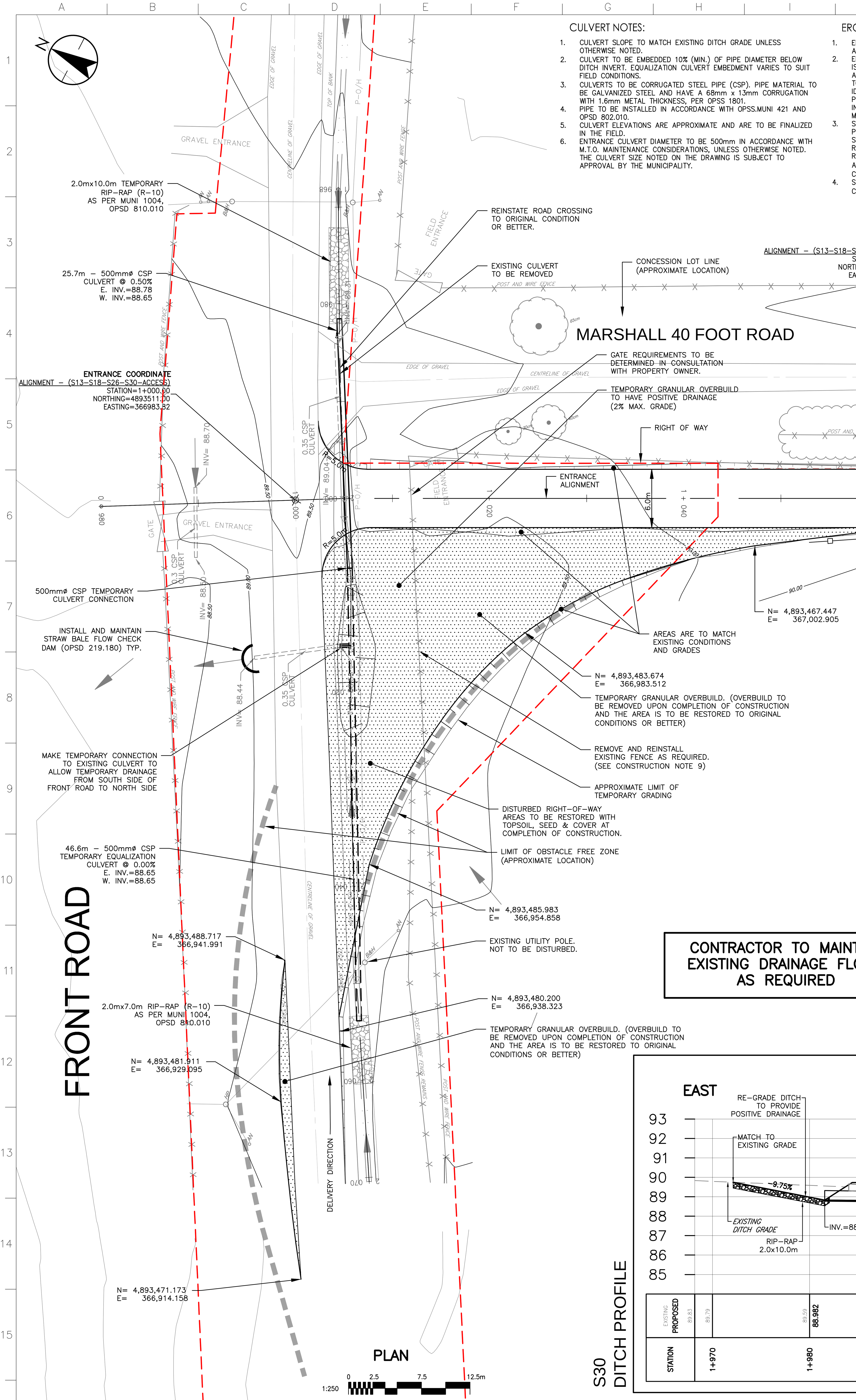


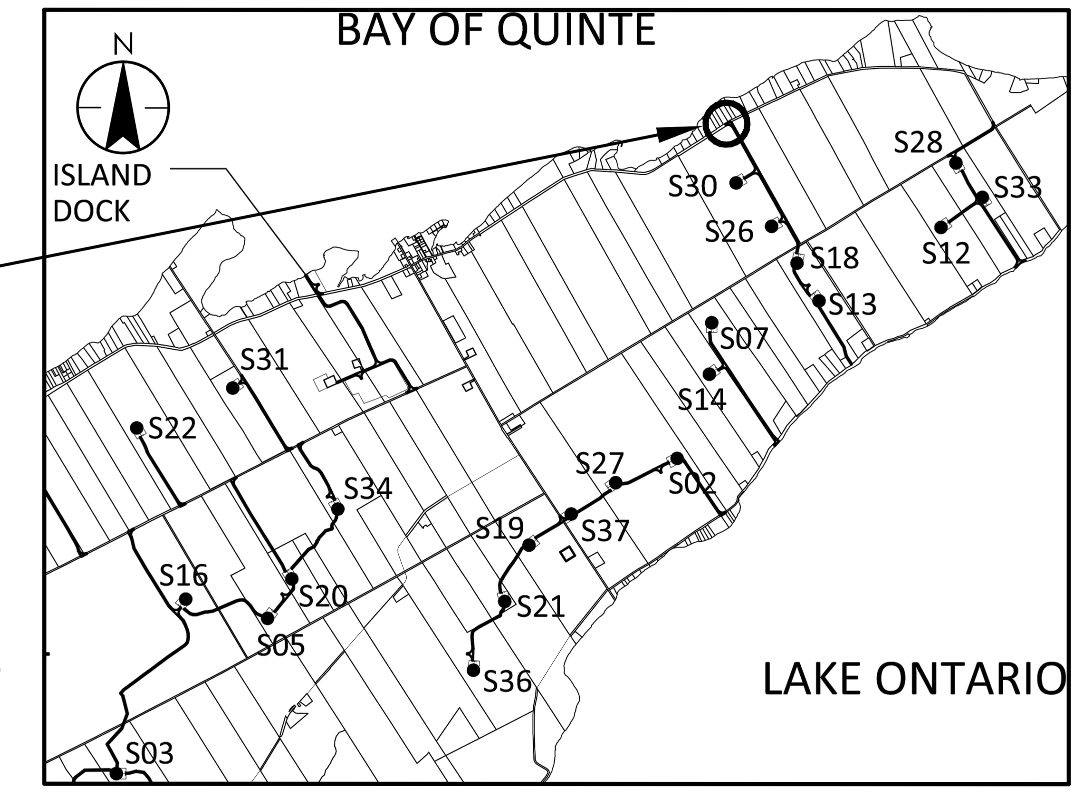
CULVERT NOTES:

1. CULVERT SLOPE TO MATCH EXISTING DITCH GRADE UNLESS OTHERWISE NOTED.
2. CULVERT TO BE EMBEDDED 10% (MIN.) OF PIPE DIAMETER BELOW DITCH INVERT. EQUALIZATION CULVERT EMBEDMENT VARIES TO SUIT FIELD CONDITIONS.
3. CULVERTS TO BE CORRUGATED STEEL PIPE (CSP). PIPE MATERIAL TO BE GALVANIZED STEEL AND HAVE A 68mm x 13mm CORRUGATION WITH 1.6mm METAL THICKNESS, PER OPSS 1801.
4. PIPE TO BE INSTALLED IN ACCORDANCE WITH OPSS.MUNI 421 AND OPSD 802.010.
5. CULVERT ELEVATIONS ARE APPROXIMATE AND ARE TO BE FINALIZED IN THE FIELD.
6. ENTRANCE CULVERT DIAMETER TO BE 500mm IN ACCORDANCE WITH M.T.O. MAINTENANCE CONSIDERATIONS, UNLESS OTHERWISE NOTED. THE CULVERT SIZE NOTED ON THE DRAWING IS SUBJECT TO APPROVAL BY THE MUNICIPALITY.

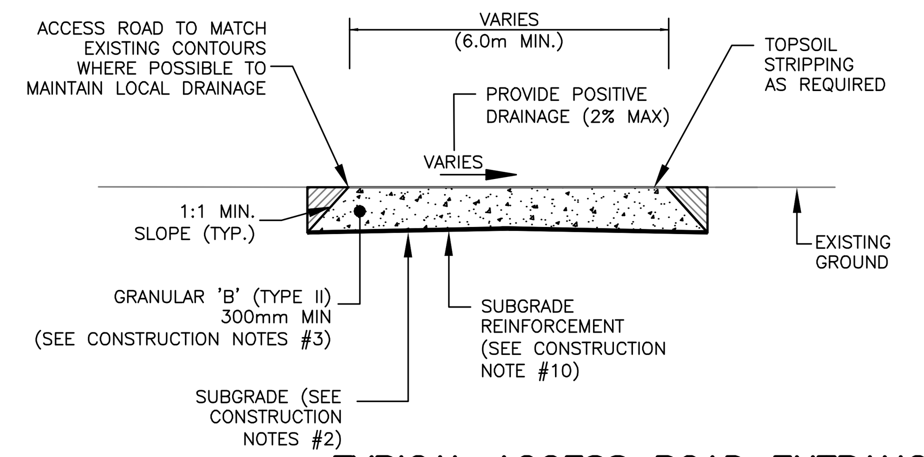
EROSION AND SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES TO CONFORM TO THE EROSION AND SEDIMENT CONTROL PLAN AND THE STORMWATER MANAGEMENT PLAN.
2. EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE DRAWINGS IS TO BE USED AS A MINIMUM. THE CONTRACTOR MUST MAKE THEIR OWN ASSESSMENT OF THE ENVIRONMENTAL CONTROLS AND MEASURES REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE REQUIREMENTS IDENTIFIED IN THE RENEWABLE ENERGY APPROVAL COMPLETED FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE SUPPLY, INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
3. SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION TO PREVENT ENTRY OF SEDIMENT INTO THE NATURAL ENVIRONMENT. THE CONTRACTOR WILL BE REQUIRED TO MONITOR THE SEDIMENT CONTROL MEASURES REGULARLY AND REPAIR ANY DAMAGE IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE EROSION CONTROL MEASURE. (SILT FENCE, STRAW BALE, ETC.)
4. SILT FENCE INSTALLATION MUST OCCUR PRIOR TO COMMENCEMENT OF CONSTRUCTION, AS PER REA CONDITION H3(4).

PLAN LOCATION

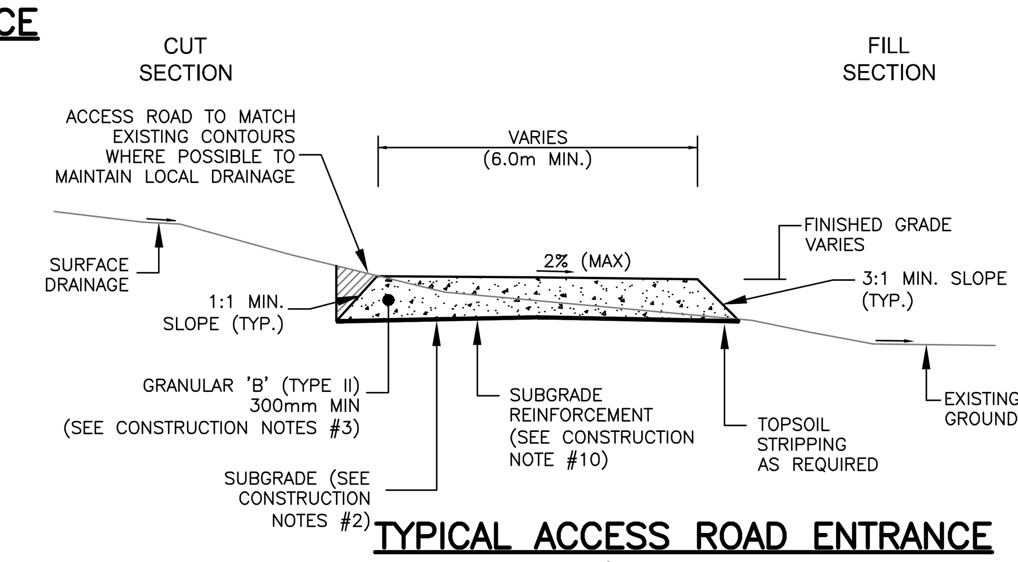


KEY PLAN
N.T.S



TYPICAL ACCESS ROAD ENTRANCE FLAT SECTION
N.T.S

SEE DRAWING C213 FOR ADDITIONAL ACCESS ROAD DETAILS



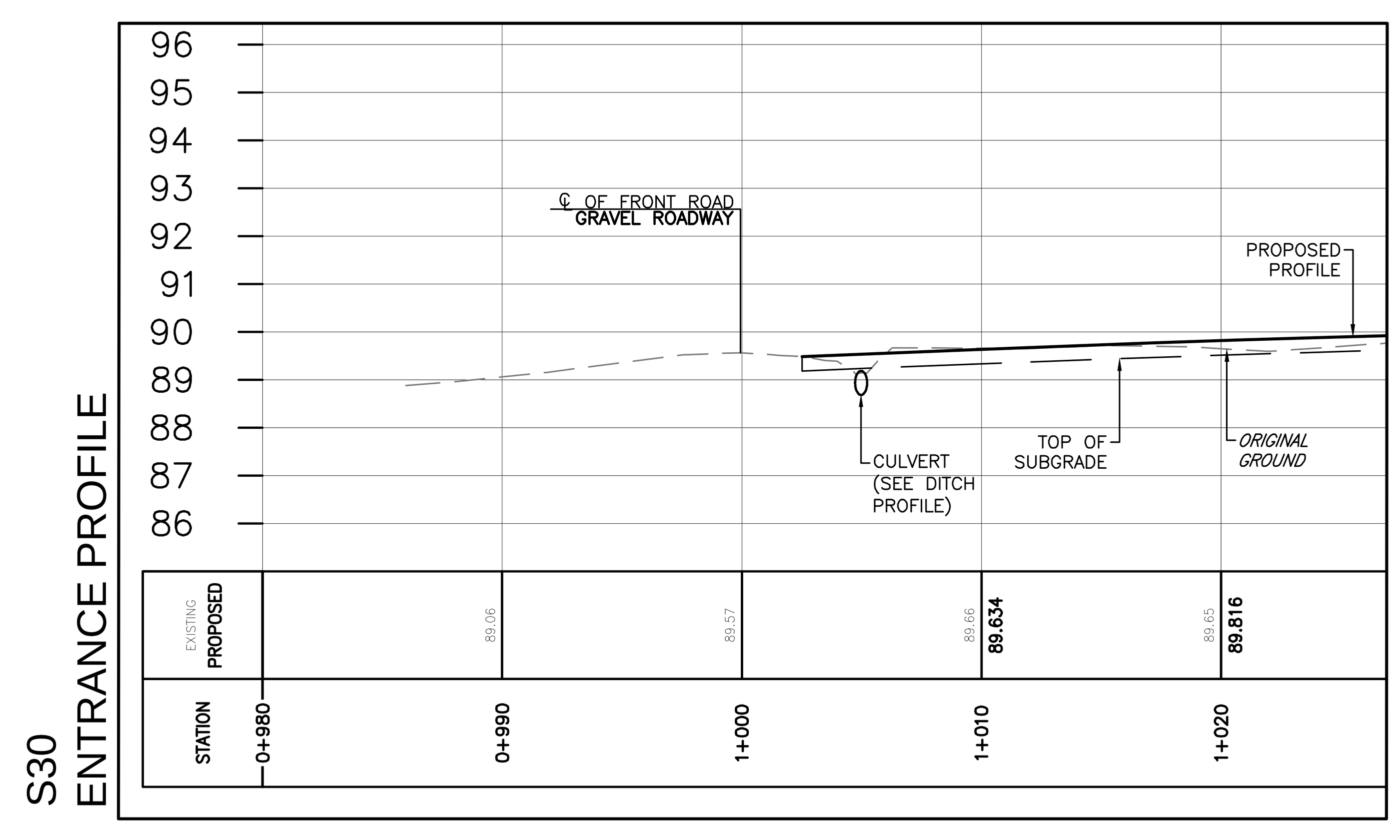
TYPICAL ACCESS ROAD ENTRANCE CUT/FILL SECTION
N.T.S

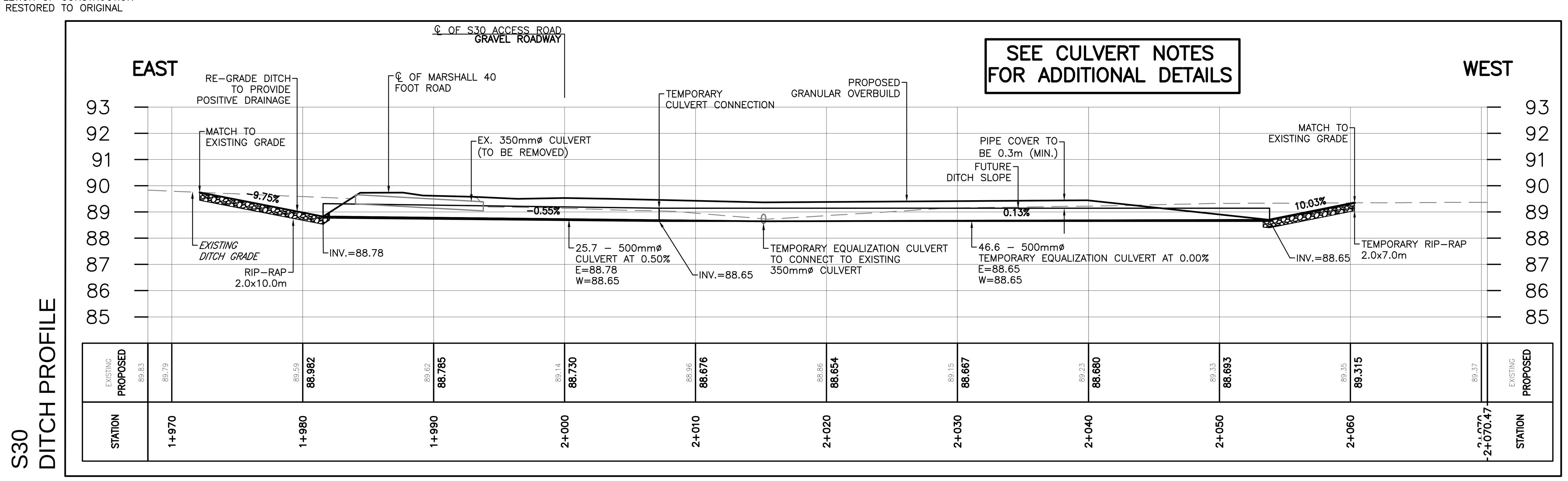
CONSTRUCTION NOTES

1. ACCESS ROAD AREAS TO BE STRIPPED OF TOPSOIL WITHIN GRADING LIMITS. TOPSOIL TO BE WINDROWED ALONG ACCESS ROAD WITHIN CONSTRUCTIBLE AREA AND APPLICABLE SILT FENCES.
2. PRIOR TO GRANULAR PLACEMENT, SUBGRADE TO BE PROOF–ROLLED AND WET/UNSTABLE AREAS REMOVED AND REPLACED WITH ADDITIONAL SUITABLE SUB–BASE MATERIAL, AS DETERMINED BY THE GEOTECHNICAL ENGINEER OR DESIGNATE.
3. GRANULAR 'B' SUB–BASE THICKNESS TO BE ADJUSTED TO SUIT LOCAL CONDITIONS.
4. ENTRANCE SIDE SLOPES TO BE 3:1 UNLESS OTHERWISE NOTED ON PLAN DRAWINGS.
5. COMPACTION REQUIREMENTS:
   SUBGRADE – 95% STANDARD PROCTOR DENSITY
   GRANULARS – 98% STANDARD PROCTOR DENSITY
6. CLEARING AND GRUBBING TO BE COMPLETED IN ACCORDANCE WITH OPSS.MUNI 201.
7. EARTH EXCAVATION/GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSS.MUNI 206.
8. GRANULAR MATERIALS TO BE IN ACCORDANCE WITH OPSS 1010.
9. THE REQUIREMENTS FOR THE REMOVAL, REINSTALLATION AND/OR DISPOSAL OF EXISTING FEATURES IN CONFLICT WITH THE CONSTRUCTION AREA WILL BE CONFIRMED IN THE FIELD DURING CONSTRUCTION WITH THE PROPERTY OWNER.
10. SUBGRADE REINFORCEMENT TO BE TERRAFIX COMBIGRID (PRODUCT 30/30 Q1 151 GRK3) PLACED ON SUBGRADE OVER ENTIRE ACCESS ROAD.

CONTRACTOR TO MAINTAIN EXISTING DRAINAGE FLOWS AS REQUIRED

PROFILES
1:250H 0 2.5 7.5 12.5m
1:125V 0 1.25 3.75 6.25m





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General Notes

1. UNDER GROUND AND ABOVE GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS AND WHERE SHOWN, THE ACCURACY OF POSITION IS NOT GUARANTEED. THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL UTILITY PLANTS PRIOR TO STARTING WORK.
2. UTILITY AND OTHER CONFLICTS HAVE NOT BEEN ADDRESSED IN THESE DRAWINGS, AND WILL BE RESOLVED IN THE FIELD USING VERIFIED UTILITY LOCATIONS AND OTHER SITE INFORMATION. CONSULT WITH WINDLECTRIC TO DETERMINE ANY OTHER LANDOWNER UNDERGROUND SERVICES THAT MAY BE AFFECTED BY THE ROAD CONSTRUCTION.
3. TOPOGRAPHICAL SURVEY COMPLETED BY McINTOSH PERRY CONSULTING ENGINEERS, DATED 2015. (UTM ZONE 18 NAD83 (CRSR) 1997.0)
4. ENTRANCE RADII AS NOTED TO BE PROVIDED FROM EDGE OF PAVEMENT OR GRAVEL AS SHOWN ON PLAN DRAWING. RADIUS MODIFICATIONS MAY BE REQUIRED SUBJECT TO REVIEW OF ENTRANCE SKEW ANGLE AND VEHICLE ACCESS REQUIREMENTS.
5. NOTED DELIVERY ROUTE DIRECTION IS IN ACCORDANCE WITH WINDLECTRIC INC'S TRAFFIC MANAGEMENT PLAN.
6. CONTRACTOR TO ADHERE TO ALL CONSERVATION AUTHORITY PERMITS AND CONDITIONS OF APPROVAL.
7. RIGHT OF WAY LIMITS ARE IN ACCORDANCE WITH INFORMATION PROVIDED BY McINTOSH PERRY CONSULTING ENGINEERS, AND COMPLY WITH ALL OTHER PERMITS ASSOCIATED WITH THE WORKS AND REA COMMITMENTS.

Legend

- EXISTING OVERLAND FLOW/DITCH DIRECTION
- PROPOSED DITCH FLOW
- 218.5 EXISTING GROUND CONTOURS (AS PER NOTE 4 ABOVE)
- EXISTING GROUND CONTOURS (FROM LIDAR MAPPING)
- ROAD ALLOWANCE
- PROPOSED SILT FENCING
- TEMPORARY OVERBUILD AREA

*******For PHCL and Windlectric Use Only*******

Review with no comments does not constitute approval of design details, calculations or methods. It is the responsibility of the consultant to ensure all information contained within the drawings are in full compliance with contractual obligations

☐ Reviewed - No comments
☐ Reviewed - Incorporate comments and resubmit
☐ Reviewed - Not accepted

Reviewed By	Date (dd-mmm-yyyy)
Project Manager - PHCL	Date (dd-mmm-yyyy)
Project Manager - Windlectric	Date (dd-mmm-yyyy)
Owner:	

		By	Appd.	YY.MM.DD
D	ISSUED FOR MUNICIPAL CONSENT	RCL	MPG	17.05.09
C	ISSUED FOR MUNICIPAL CONSENT	RCL	MPG	17.05.04
B	ISSUED FOR FINAL REVIEW	RCL	MPG	16.11.25
A	ISSUED FOR CLIENT REVIEW	RCL	MPG	16.10.18

Revision

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD
C200-C215_133560100-Entrances.dwg	RCL	MPG	RCL	16.09.16

Permit-Seal

Client/Project
PENNECON HEAVY CIVIL
AMHERST ISLAND WIND PROJECT
75MW WIND FARM
Amherst Island, Loyalist Township, Ontario

Title
TEMPORARY ENTRANCE LAYOUT
FRONT ROAD
ENTRANCE FOR TURBINES S30, S26, S18, & S13

Project No. 133560100
Scale 1:250H 1:125V 0 2.5 7.5 12.5m 0 1.25 3.75 6.25m
Drawing No. C213-Ent
Sheet 1 of 1
Revision D