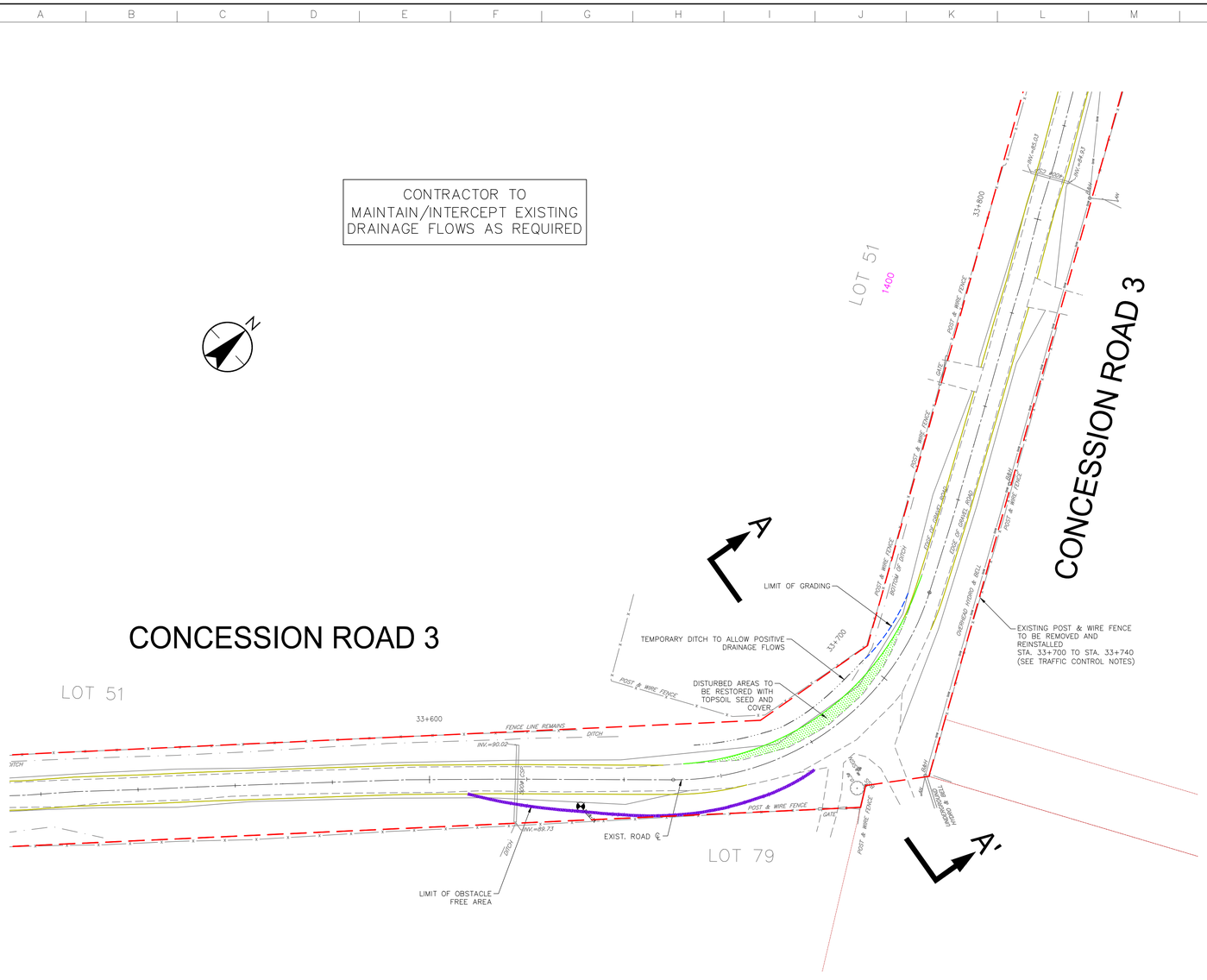
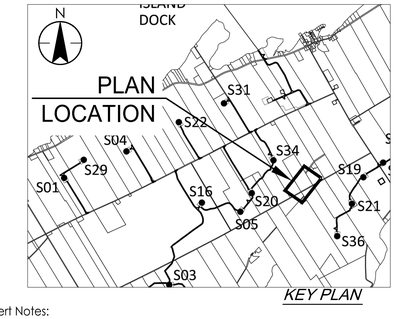




Culvert Notes:

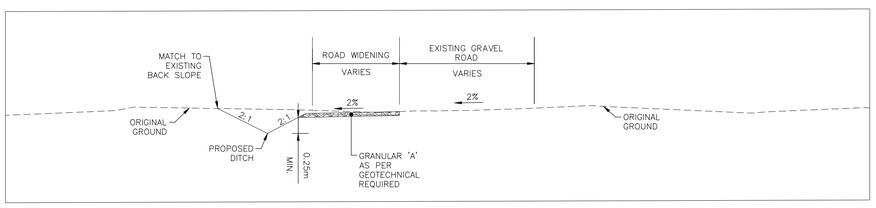
1. CULVERT SLOPE TO MATCH EXISTING DITCH GRADE UNLESS OTHERWISE NOTED.
2. CULVERT TO BE EMBEDDED 10% OF PIPE DIAMETER BELOW DITCH INVERT.
3. CULVERTS TO BE CORRUGATED STEEL PIPE (CSP). PIPE MATERIAL TO BE GALVANIZED STEEL AND HAVE A 68mm x 13mm CORRUGATION WITH 1.6mm METAL THICKNESS.
4. PIPE TO BE INSTALLED IN ACCORDANCE WITH OPSD 802.010.
5. CULVERT ELEVATIONS ARE APPROXIMATE AND ARE TO BE FINALIZED IN THE FIELD.

NOTES: (GRANULAR ROAD WIDENING)

1. THE CONTRACTOR IS REQUIRED TO NOTIFY THE MUNICIPAL ROAD SUPERVISOR OR THEIR APPROVED DESIGNATE PRIOR TO COMMENCEMENT OF THE CONSTRUCTION WORKS.
2. AREAS TO BE STRIPPED OF TOPSOIL PRIOR TO GRANULAR PLACEMENT (UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER). GEOTECHNICAL ENGINEER TO INSPECT SUBGRADE PRIOR TO PLACEMENT OF IMPORTED GRANULAR MATERIAL.
3. CONSTRUCTION ON WET/UNSTABLE SOIL MAY REQUIRE PLACEMENT OF GEOTEXTILE. ADDITIONAL GRANULAR SUB-BASE AND OR BORROW MATERIAL. LOCATIONS WILL BE IDENTIFIED AND ASSESSED BY THE ENGINEER DURING CONSTRUCTION.
4. ALL ANTICIPATED EARTHWORKS INCLUDING TOPSOIL STRIPPING, STOCKPILING AND/OR IMPORTING OF EARTH MATERIALS. AND OFF-SITE DISPOSAL OF SURPLUS MATERIAL IS TO BE REVIEWED WITH THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

NOTES: (RESTORATION)

1. UPON COMPLETION OF PROJECT, EXISTING GRANULAR MATERIAL TO BE REMOVED AS REQUIRED AND TOPSOIL PLACED IN AREAS OF PRE-EXISTING TOPSOIL.
2. EXISTING TURF AREAS TO BE RESTORED WITH TOPSOIL AND SEED.
3. ANY ASPHALT DAMAGED ON MUNICIPAL ROADS DURING CONSTRUCTION SHALL BE RESTORED TO BE SATISFACTION OF MUNICIPALITY.
4. SALVAGED ADVISORY SIGNS SHALL BE REINSTALLED IN THEIR ORIGINAL LOCATION AND ORIENTATION, OR AS DIRECTED BY THE MUNICIPALITY.



SECTION A-A'
TYPICAL ROAD WIDENING DETAIL
N.T.S.

Stantec

Stantec Consulting Ltd.
49 Frederick Street
Kitchener ON Canada
Tel. 519.579.4410
www.stantec.com

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The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
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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. 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.
3. TOPOGRAPHICAL SURVEY COMPLETED BY McINTOSH PERRY CONSULTING ENGINEERS, DATED 2016. (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. CONTRACTOR TO CONFIRM ALL EXISTING ROADS ARE IN COMPLIANCE WITH SIEMENS SPECIFICATIONS "GENERAL SITE REQUIREMENTS, AMHERST ISLAND, EQUIPMENT ONLY AM" REV 6.31, DATED 2016-09-23.
6. CONTRACTOR TO UNDERTAKE REPAIRS TO ROADS ON AN AS-NEEDED BASIS TO MAINTAIN ROAD IN EXISTING OR BETTER CONDITION IN CONSIDERATION OF ISLAND TRAFFIC AND CONSTRUCTION TRAFFIC.
7. MATTING TO BE USED FOR BYPASS LOCATIONS AS NEEDED.
8. FOR TREE REMOVALS REFER TO "STANTEC ARBORIST REPORT".
9. TRAFFIC CONTROL DURING CONSTRUCTION REFER TO "STANTEC AMHERST ISLAND WIND ENERGY PROJECT TRAFFIC MANAGEMENT PLAN".

Legend

- TEMPORARY ROAD WIDENING
- LIMIT OF OBSTACLE FREE AREA
- LIMIT OF GRADING
- ROAD CENTRE LINE
- APPROXIMATE LOT LINE
- ROAD ALLOWANCE
- EXISTING POST AND WIRE/ELECTRIC FENCE
- EXISTING DITCH
- EXISTING OVERHEAD HYDRO
- PROPOSED DITCH FLOW
- EDGE OF ROAD RESTORATION

D	ISSUED FOR MUNICIPAL CONSENT	PH	TB	17.05.09
C	ISSUED FOR MUNICIPAL CONSENT	PH	TB	17.05.01
B	ISSUED FOR PERMITTING	PH	TB	17.03.09
A	ISSUED FOR PERMITTING	PH	TB	17.02.03
Revision		By	Appd.	YY.MM.DD

File Name:	RC	LL	PH	17.05.09
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project

PENNECON HEAVY CIVIL

AMHERST ISLAND WIND PROJECT
75MW WIND FARM
Amherst Island, Loyalist Township, Ontario

Title

TEMPORARY ROAD WIDENING
AT CONCESSION ROAD 3
FROM STA. 33+650 TO 33+720

Project No. 133560100

Scale 1:500 (0 5 15 25m)

Drawing No. MR302

Sheet 1 of 1

Revision D

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