

KEY MAP
N.T.S.

NOTE:
LIDAR HAS BEEN LOWERED BY 4.5m
AND IS USED TO ILLUSTRATE EXTERNAL SITE
DRAINAGE PATTERN. CONTRACTOR IS
RESPONSIBLE TO REVIEW ONSITE ELEVATIONS
PRIOR TO COMMENCEMENT OF ANY WORK
ONSITE AND ANY DISCREPANCIES ARE TO BE
REPORTED TO THE ENGINEER OF RECORD



Stantec

Stantec Consulting Ltd.
300 Hagey Boulevard
Waterloo ON Canada
Tel. 519.579.4410
www.stantec.com



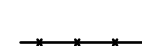





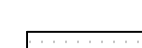
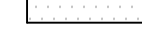
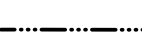



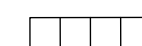
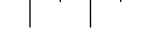
CONSTRUCTION LEADERS

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- ### Notes
1. TOPOGRAPHICAL INFORMATION PROVIDED BY LESLIE M. HOGGSON SURVEYING LTD. RECEIVED ON OCTOBER 8TH, 2017. TOPOGRAPHICAL SURVEY IS IN UTM NAD83 (ZONE 18) CSRS (1987) COORDINATES LIDAR INFORMATION CONDUCTED BY TULLOCH ENGINEERING ON JUNE 27, 2016. LIDAR SURVEY IS UTM 18. CONTRACTOR IS RESPONSIBLE TO REVIEW ONSITE ELEVATIONS PRIOR TO START OF WORK AND ANY DISCREPANCIES REPORTED TO THE ENGINEER OF RECORD.
 2. LEAD PLAN OF SURVEY BY CALLON DIETZ INC. MARCH 8, 2017. EPTCON. (REV. A) SEPTEMBER 20, 2017.
 3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS IN THIS SET PREPARED BY STANTEC CONSULTING LTD.
 4. THE CONTRACTOR MUST CHECK AND VERIFY DIMENSIONS; OBTAIN ALL UTILITY LOCATES AND OBTAIN ALL REQUIRED PERMITS/LICENSES AND VERIFY ELEVATIONS OF EXISTING SERVICES BEFORE PROCEEDING WITH ANY WORK.
 5. ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS (LATEST EDITION).
 6. IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR HIS/HER REPRESENTATIVE MUST ENCROACH ONTO PRIVATE LANDS TO UNDERTAKE ANY WORKS, HE/SHE MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PRIVATE PROPERTY TO PERFORM ANY WORKS. COPIES OF THESE LETTERS OF CONSENT MUST BE SUBMITTED TO STANTEC PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT THE PROPERTY OWNERS OWN RISK.
 7. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY.
 8. THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DRAINAGE AND MEASURES TO CONTROL WATER. THE SITE IS TO BE FINE COMBED/LEVELLED LEAVING THE SITE IN A NEAT APPEARANCE SUCH THAT POSITIVE DRAINAGE IS ACHIEVED EVERYWHERE PRIOR TO THE INSTALLATION OF SOLAR PANELS.
 9. CONSTRUCTION TURNING RADIUS LIMITS IDENTIFY AREAS WHERE ADDITIONAL ROAD WIDTH IS REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.
 10. CULVERTS ARE TO BE INSTALLED AS PER OPSD 802.010. SOIL TYPE TO BE CONFIRMED ON SITE FOR DETERMINATION OF TRENCH WIDTH.
 11. ALL AREAS WITHIN THE PROPOSED WORKS ARE TO BE RE-VEGETATED USING NATIVE TOPSOIL AND SEED. MIX AND APPLICATION RATE/METHOD TO BE SUBMITTED AND APPROVED BY OWNER PRIOR TO IMPLEMENTATION.
 12. CLEANING AND GRUBBING AND REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPSD 201.
 13. TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPSD 577.
 14. GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSD 206. GRANULAR MATERIAL TO BE USED IN ACCORDANCE WITH OPSD 1010.
 15. CULVERT TO BE CONSTRUCTED IN ACCORDANCE WITH OPSD 421. HEIGHT OF FILL TABLE FOR CSP CULVERTS TO COMPLY WITH OPSD 805.010.
 16. REPAIR SHALL BE IN ACCORDANCE WITH OPSD 810.010 SECTION B-B.

PROPOSED	EXISTING
	
	
	
	
	
	
	
	
	
	
	

B. ISSUED FOR TENDER	MALM	CTC	17.11.21
A. ISSUED FOR CLIENT REVIEW	DMS	CTC	17.10.31
Revision	By	Appd.	YY.MM.DD

File Name:	133560220_CS-SP-SUBSTATION.dwg	DMS	CTC	DMS	17.10.31
		Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project
LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT
54MW GROUND-MOUNT SOLAR FARM
County of Lennox and Addington, Ontario
Title
SUBSTATION
SITE PLAN

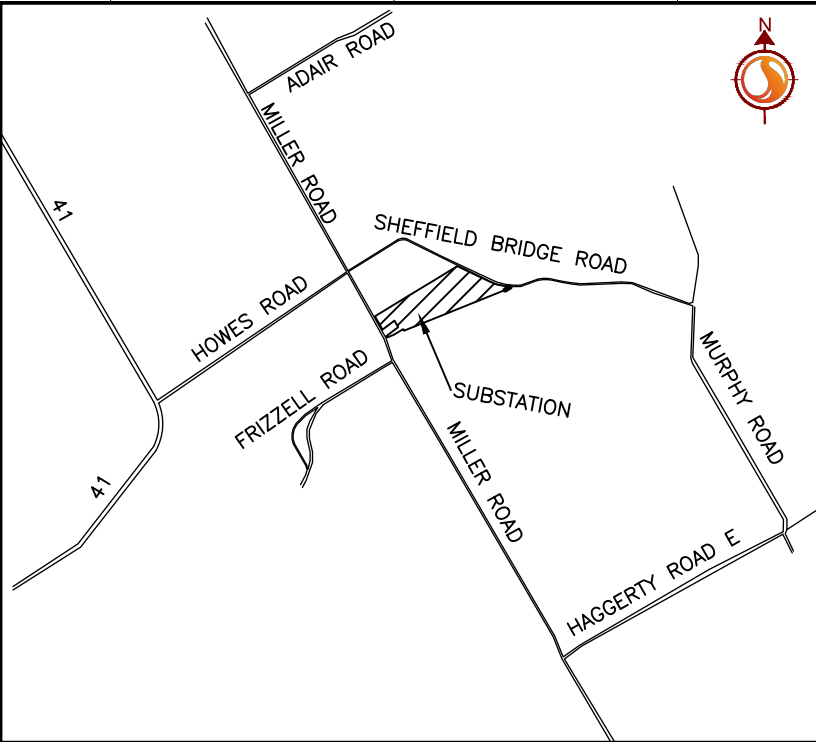
Project No.	133560220	Scale	0 5 15 25m 1:500
Drawing No.		Sheet	Revision

C-010 1 of 1 B

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20/11/17 12:52:59 PM by: Aaron, Kevin (Purvis)

ORIGINAL SHEET - ARCH D

Version: 2.0 Modified By: Joel Veestra Modified: 11/23/2017 9:20:55 AM Status: Open



NOTE:
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- Notes
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 7. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY.
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 9. CONSTRUCTION TURNING RADIUS LIMITS IDENTIFY AREAS WHERE ADDITIONAL ROAD WIDTH IS REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.
 10. CULVERTS ARE TO BE INSTALLED AS PER OPSD 802.010. SOIL TYPE TO BE CONFIRMED ON SITE FOR DETERMINATION OF TRENCH WIDTH.
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 14. GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSD 206. GRANULAR MATERIAL TO BE USED IN ACCORDANCE WITH OPSD 1010.
 15. CULVERT TO BE CONSTRUCTED IN ACCORDANCE WITH OPSD 421. HEIGHT OF FILL TABLE FOR CSP CULVERTS TO COMPLY WITH OPSD 805.010.
 16. R/W MAP SHALL BE IN ACCORDANCE WITH OPSD 810.010 SECTION B-B.

Legend	
PROPOSED	EXISTING
	FENCE
	EX. CONTOUR
	LIDAR CONTOUR
	EXISTING TREE AREA TO BE CLEARED
	EXISTING TREE AREA
	PROPERTY LINE

B.	ISSUED FOR TENDER	KDB	CC	17.11.21
A.	ISSUED FOR CLIENT REVIEW	DRR	DS	17.10.31
Revision		By	Appd.	YY.MM.DD

File Name:	133560220_R-OP-SUBSTATION.dwg	DRR	DS	DRR	17.10.31
		Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project
LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT

54MW GROUND-MOUNT SOLAR FARM

County of Lennox and Addington, Ontario

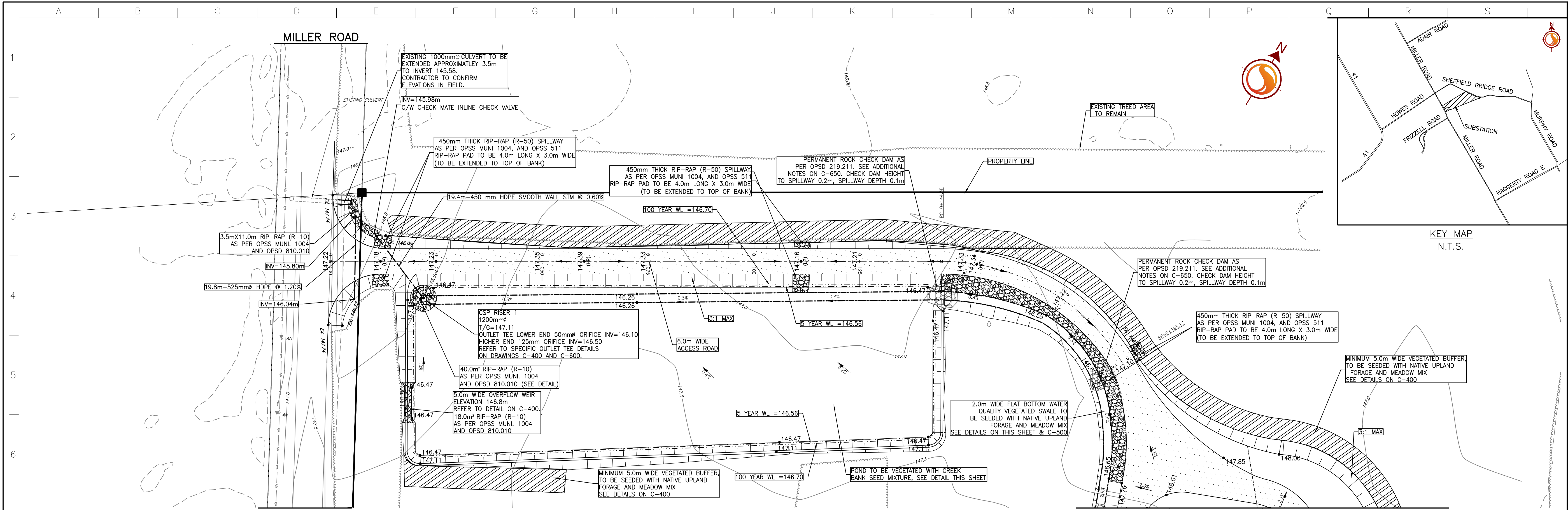
Title
SUBSTATION
EXISTING CONDITIONS, CLEARING,
AND FENCING PLAN

Project No.	Scale
133560220	1:500
Drawing No.	Sheet
	Revision

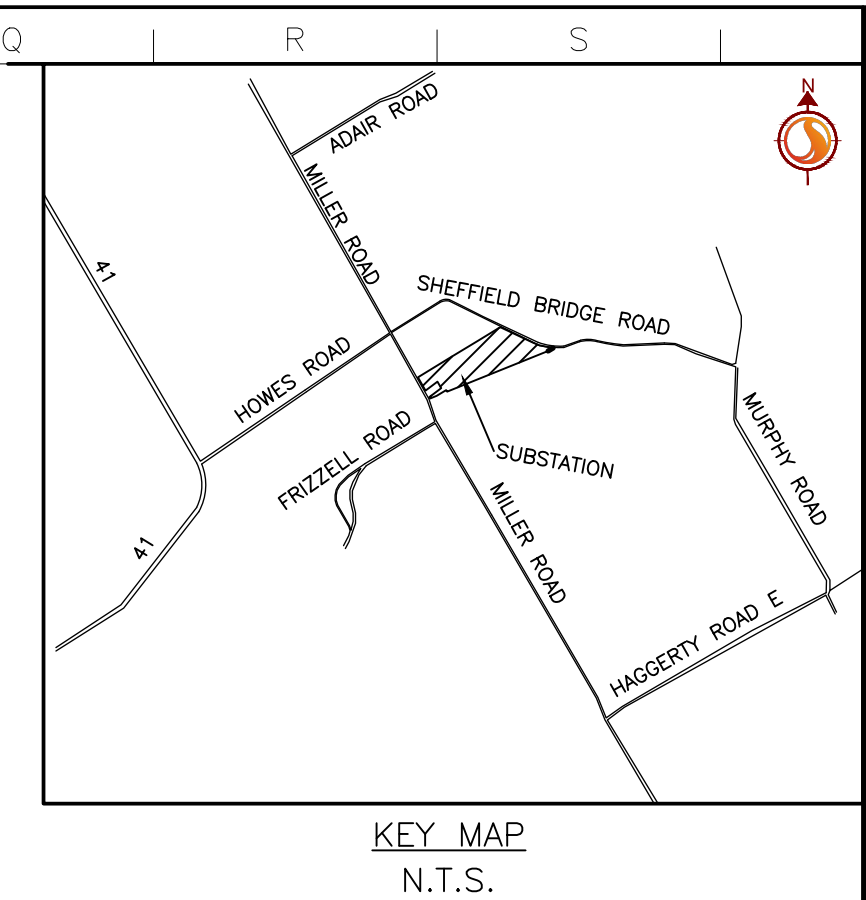
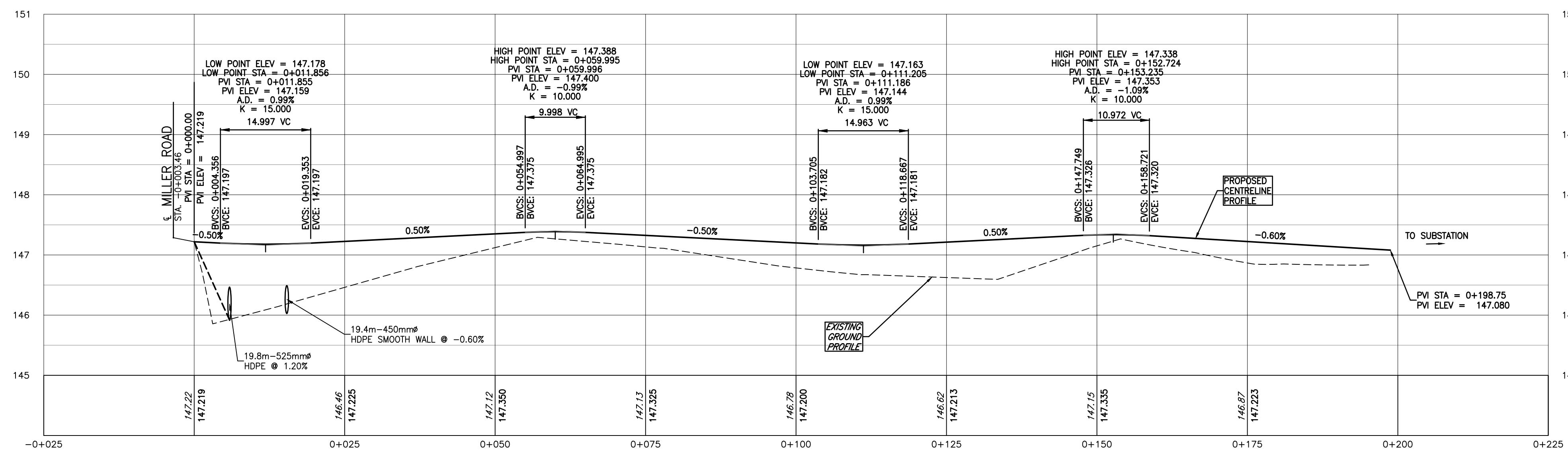
C-050 1 of 1 B

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20/11/2017 12:34 PM By: Brown, Kevin (Waterloo)



SUBSTATION ACCESS ROAD



KEY MAP
N.T.S.

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 9. CONSTRUCTION TURNING RADIUS LIMITS: DENSITY AREAS WHERE ADDITIONAL ROAD WIDTH IS REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.
 10. CULVERTS ARE TO BE INSTALLED AS PER OPSD 802.010. SOIL TYPE TO BE CONFIRMED ON SITE FOR DETERMINATION OF TRENCH WIDTH.
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 12. CLEARING AND GRUBBING AND REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPSD 201.
 13. TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPSD 577.
 14. GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSD 206. GRANULAR MATERIAL TO BE USED IN ACCORDANCE WITH OPSD 1010.
 15. CULVERT TO BE CONSTRUCTED IN ACCORDANCE WITH OPSD 421. HEIGHT OF FILL TABLE FOR CSP CULVERTS TO COMPLY WITH OPSD 805.010.
 16. RIPRAP SHALL BE IN ACCORDANCE WITH OPSD 810.010 SECTION B-B.

Legend

PROPOSED	ELEVATION	EXISTING
187.00		185.19 (EX)
	DITCH	
	TOPOGRAPHIC SURVEY CONTOUR	184.5
	LIDAR CONTOUR	184.5
	PROPERTY LINE	
	FENCE	
	GRADE	
	CULVERT	
	SLOPE (3:1 MAX UNLESS NOTED OTHERWISE)	
	ROCK CHECK DAM REFER TO C-500 FOR INSTALLATION DETAIL	
	TREE LINE	
	TEMPORARY TOPSOIL STOCKPILE LIMIT	
	5.0 WIDE VEGETATED BUFFER	
	6.0m WIDE ACCESS ROAD (SEE DWG C-500 FOR DETAILS)	
	FINISHED SUBSTATION SURFACE (19mm WASHED CLEAR STONE SEE DWG C-500 FOR DETAILS)	
	OVERLAND FLOW DIRECTION	

B. ISSUED FOR TENDER		MALM	CTC	17.11.21
A. ISSUED FOR CLIENT REVIEW		DMS	CTC	17.10.31
Revision		By	Appd.	YY.MM.DD
File Name:		DMS	CTC	DMS
		Dwn.	Chkd.	Dgn.
				YY.MM.DD

Permit-Seal

Client/Project

LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT

54MW GROUND-MOUNT SOLAR FARM

County of Lennox and Addington, Ontario

Title

SUBSTATION - ACCESS ROAD
PLAN & PROFILE

Project No.
133560220

Scale
1:500

Drawing No.
Sheet

Revision
Revision



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[illegible]

PROPOSED
 187.00

EXISTING
 185.19
 (EX)

ELEVATION

DITCH

TOPOGRAPHIC SURVEY CONTOUR

LIDAR CONTOUR

PROPERTY LINE

FENCE

GRADE CULVERT

SLOPE (3:1 MAX UNLESS NOTED OTHERWISE)

ROCK CHECK DAM REFER TO C-500 FOR INSTALLATION DETAIL

TREE LINE

TEMPORARY TOPSOIL STOCKPILE LIMIT

5.0' WIDE VEGETATED BUFFER

6.0' WIDE ACCESS ROAD
 (SEE DWG C-500 FOR DETAILS)

FINISHED SUBSTATION SURFACE
 (19mm WASHED CLEAR STONE
 SEE DWG C-500 FOR DETAILS)

OVERLAND FLOW DIRECTION

D. ISSUED FOR TENDER	MALM	CC	17.11.2
C. ISSUED FOR CLIENT REVIEW	DMS	CC	17.10.3
B. RE-ISSUED FOR CLIENT REVIEW	MALM	CC	17.10.1
A. ISSUED FOR CLIENT REVIEW	MALM	CC	17.10.0
Revision	By	Appd.	YY.MM.DD

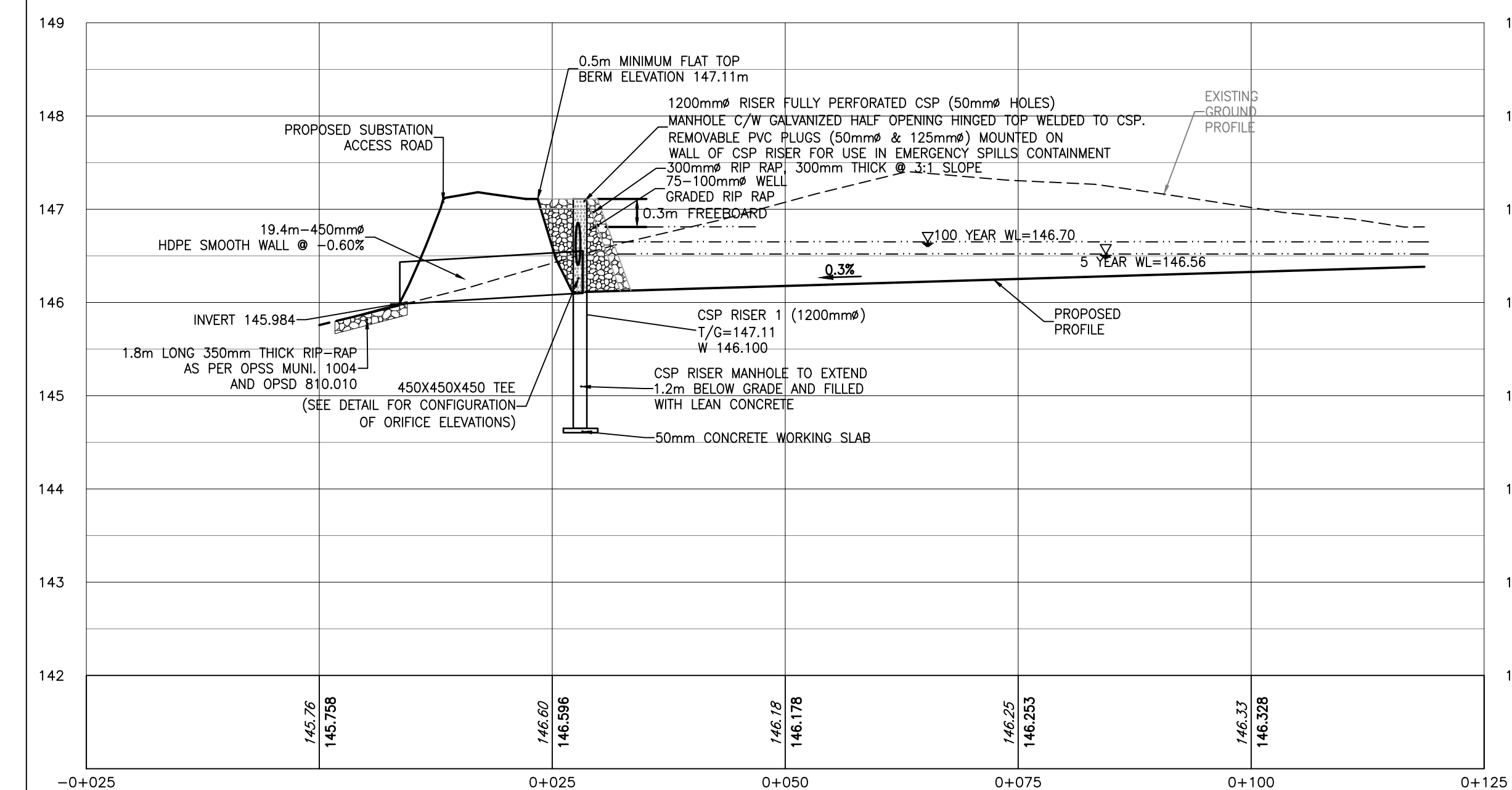
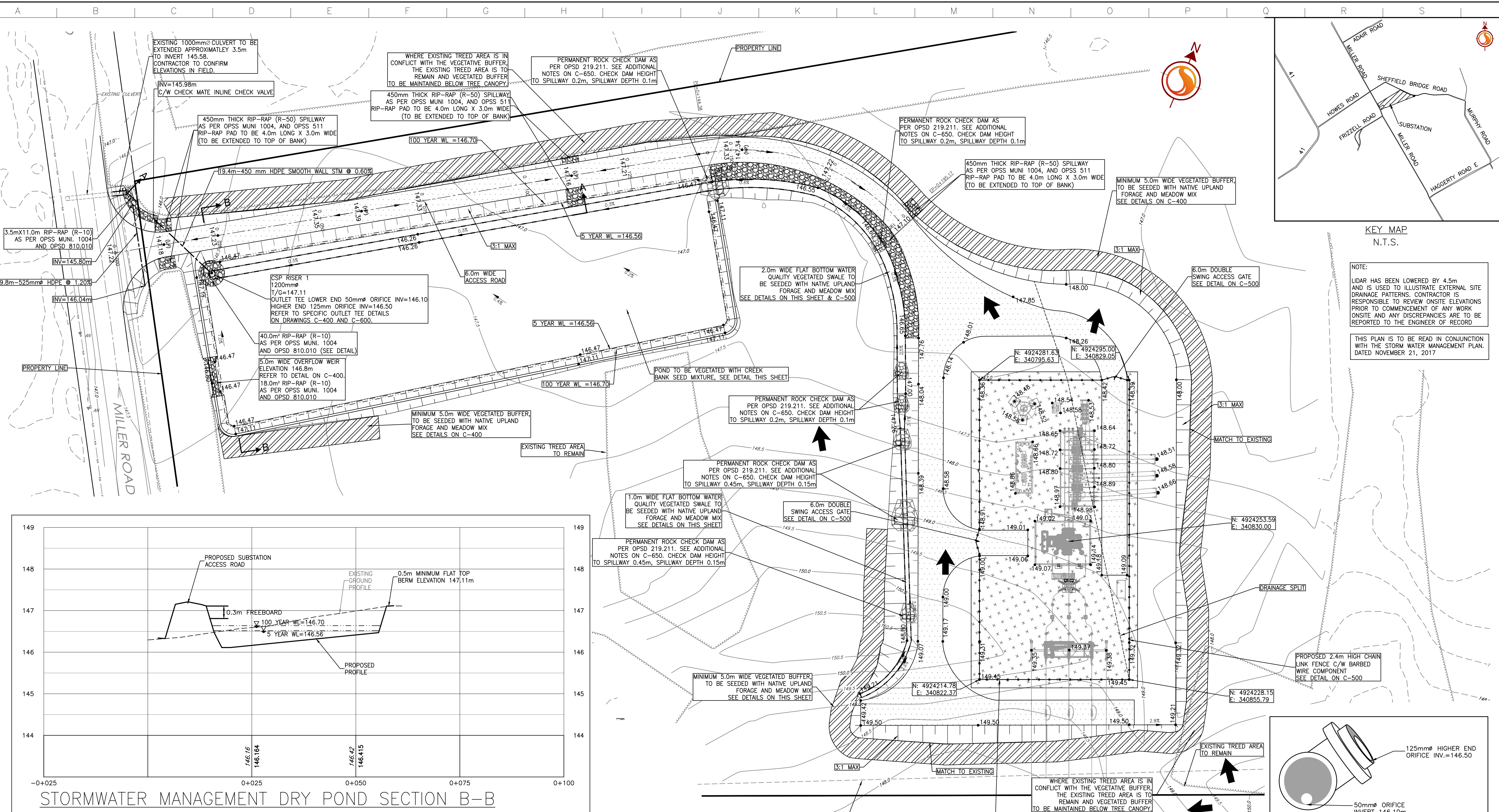
LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT
54MW GROUND-MOUNT SOLAR FARM

County of Lennox and Addington, Ontario

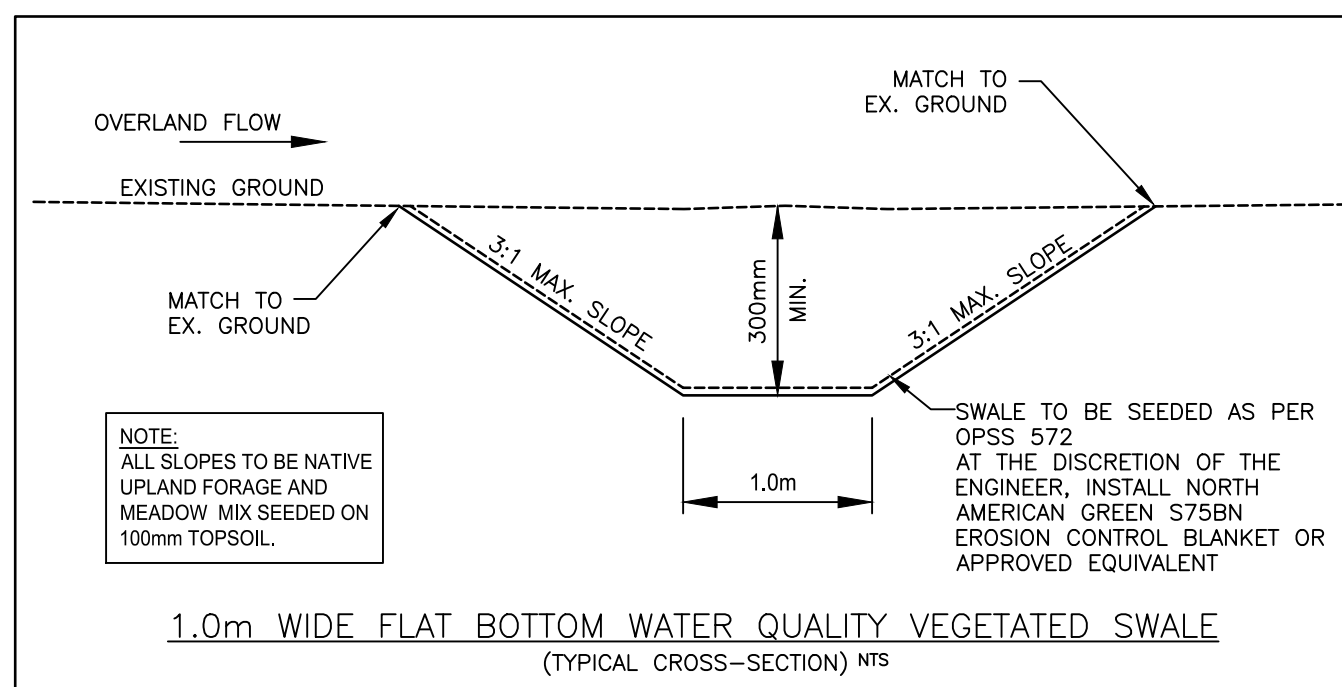
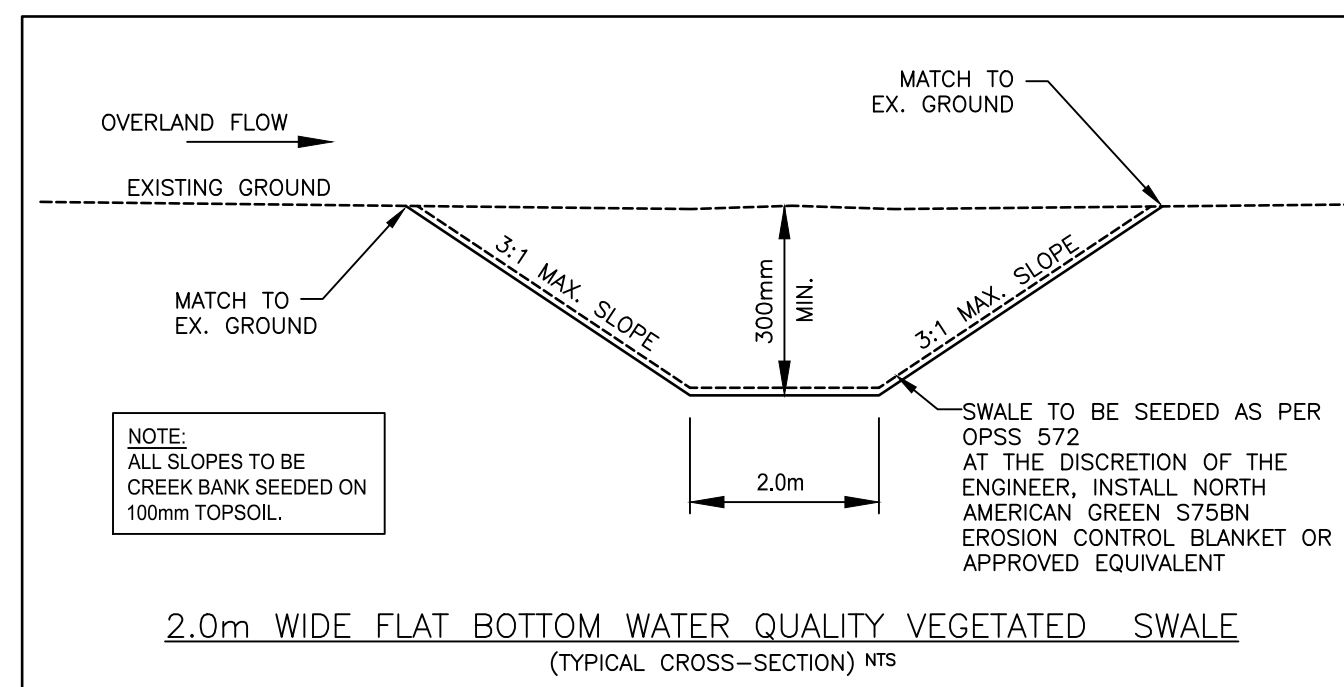
SUBSTATION
GRADING PLAN

Project No.	Scale	
133560220		
Drawing No.	Sheet	Revision

C-400 1 of 1 D



OSC SEED MIX #8215 – CREEK BANK SEED MIXTURE			OSC SEED MIX #8140 – NATIVE UPLAND FORAGE AND MEADOW MIX		
LATIN NAME	COMMON NAME	%	LATIN NAME	COMMON NAME	%
ANDROPOGON GERARDII	BIG BLUESTEM	30%	ELYMUS CANDENSIS	CANADA WILD RYE	35%
RUPESTRA	BLACK EYED SUSAN	6%	ELYMUS VIRGINICUS	VIRGINIA WILD RYE	35%
ELYMUS HYSTRIX	BOTTLEBRUSH GRASS	5%	POA PALUSTRIS	FOWL BLUEGRASS	10%
POA PALUSTRIS	FOWL BLUEGRASS/	30%	CAREX VULPINOIDEA	FOX SEDGE	5%
GLYCERIA STRATA	FOWL MANNAGRASS	2%	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	10%
CAREX VULPINOIDEA	FOX SEDGE	25%	SPOROBOLUS CRYPTANDRUS	SLAT DROPSIED	5%
ASTRA NOVAE-ANGLIAE	NEW ENGLAND ASTER	2%			
APPLICATION: SOW AT 22-25 KG/HA (21-23 LBS/ACRE)			APPLICATION: SOW SEED MIX AT RATE OF 22kg/ha WITH A NURSE CROP OF ANNUAL RYE GRASS, SEEDED AT A RATE OF 22kg/ha		
AVAILABLE FROM: PHONE: 519-886-0657 or 1-800-465-5849 FAX: 519-886-0605			AVAILABLE FROM: PHONE: 519-886-0657 or 1-800-465-5849 FAX: 519-886-0605		



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5. PROPERTY OWNERS OWN RISK.

6. THIS DRAWING IS NOT RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY.

7. THE DRAWING IS NOT RESPONSIBLE FOR THE DESIGN OF ALL DRAINAGE AND MEASURES TO CONTROL WATER TO THE SITE TO BE FINE GRADED/ELEVATED LEAVING THE SITE IN A NEAR APPEARANCE SUCH THAT POSITIVE DRAINAGE IS ACHIEVED EVERYWHERE PRIOR TO THE INSTALLATION OF SOLAR PANELS.

8. CONSTRUCTION OF DRAINAGE REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE DRAINAGE BYLAW REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.

9. THE DRAINAGE OF THE PROJECT AREA SHALL BE DETERMINED BY THE DRAINAGE ENGINEER ON THE BASIS OF DETERMINATION OF TRENCH WIDTH.

10. THE DRAINAGE OF THE PROJECT AREA SHALL BE TO BE RE-VEGETATED USING NATIVE TOPSOIL AND SEED. MAY APPLICATION METHOD/TECHNIQUE TO BE SUBMITTED AND APPROVED BY OWNER PRIOR TO IMPLEMENTATION.

11. ALL CUTTING AND CULBURRING REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPS 201 TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPS 577.

12. ALL CUTTING AND CULBURRING REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPS 577.

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22. ALL CUTTING AND CULBURRING REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPS 577.

23. ALL CUTTING AND CULBURRING REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPS 577.

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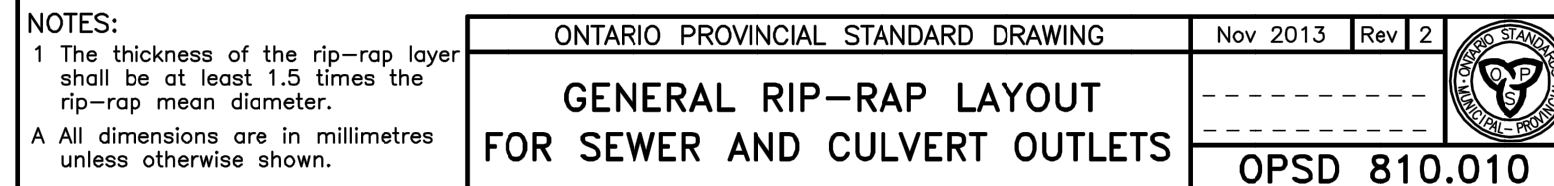
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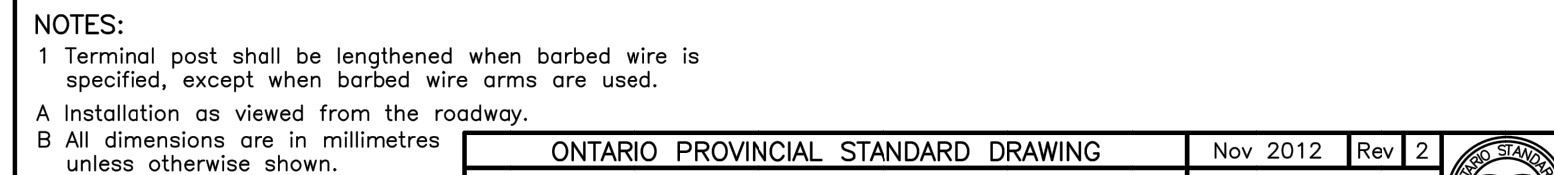
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115. ALL CUTTING AND CULBURRING

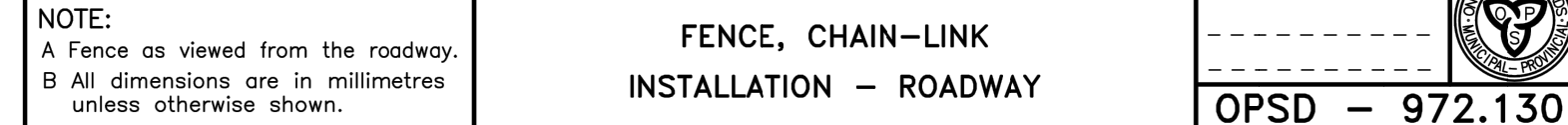


RIP-RAP TO BE PLACED:
 -3 x THE CULVERT DIAMETER WIDE
 -4 x THE CULVERT DIAMETER LONG
 -FOR MULTIPLE CULVERTS THE WIDTH AND LENGTH ARE TO BE MULTIPLIED BY THE NUMBER OF CULVERTS. FOR THE WIDTH 0.5m BETWEEN CULVERTS IS TO BE ADDED



FENCE, CHAIN-LINK
COMPONENT - BARBED WIRE


OPSD 972.101

FENCE, CHAIN-LINK
STALLATION - ROADWAY

— — — — —
 — — — — —



NOTES:
 1 For footing details and Gate and Gatepost Details Table refer to OPSD 972.132
 A Gates as viewed from the roadway.
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING		Nov 2012	Rev	2	
FENCE, CHAIN-LINK COMPONENT - GATE		----- ----- ----- -----			
		OPSD 972.102			

ROAD CONSTRUCTION NOTES

- THE FOREGOING DESIGN ASSUMES THAT CONSTRUCTION IS CARRIED OUT DURING DRY PERIODS AND THE SUB-GRADE IS STABLE UNDER THE LOAD OF CONSTRUCTION EQUIPMENT. IF CONSTRUCTION IS CARRIED OUT DURING WET WEATHER AND HEAVING OR ROLLING OF THE SUB-GRADE IS EXPERIENCED, THE THICKNESS OF GRANULAR ROAD BASE MAY BE REQUIRED AND INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER.
2. THE LONG-TERM PERFORMANCE OF THE ROAD BASE STRUCTURE IS HIGHLY DEPENDENT UPON THE SUB-GRADE SUPPORT CONDITIONS. STRINGENT CONSTRUCTION CONTROL PROCEDURES SHALL BE REQUIRED TO ENSURE THAT THE SUB-GRADE SUPPORT CONDITIONS ARE MAINTAINED AND ACHIEVED. IF, DURING THE EXCAVATION PROCESS, NATIVE MATERIAL APPEARS SUITABLE TO BE USED AS ROAD SUB-BASE A GRAIN SIZE ANALYSIS MUST BE COMPLETED TO DETERMINE. IF THE MATERIAL CAN BE LEFT IN PLACE AND WHETHER A REDUCTION IN DEPTH OF THE GRANULAR ROAD STRUCTURE IS REQUIRED, THE SUB-GRADE SHALL BE PROPERLY PREPARED TO SUPPORT THE OVERLAYS. IF SLOPED TO PROVIDE POSITIVE SURFACE DRAINAGE, SURFACE WATER SHALL NOT BE PERMITTED TO POND ADJACENT TO THE OUTSIDE EDGES.
- AS PART OF THE SUB-GRADE PREPARATION, PROPOSED ROADS SHALL BE STRIPPED OF TOPSOIL AND COMPLETELY UNDISTURBED FILL REQUIRED TO RAISE THE SUB-GRADE TO DESIGN ELEVATIONS SHALL BE ORGANIC-FREE AND SHALL HAVE A MOISTURE CONTENT WHICH WILL PERMIT COMPACTION TO THE DENSITIES INDICATED. THE SUB-GRADE SHALL BE SHAPED, CROWNED AND THEN PROF-ROLLED IN THE PRESENCE OF A GEOTECHNICAL CONSULTANT. SOFT OR SPONGY SUB-GRADE AREAS SHALL BE SUB-EXCAVATED AND REPLACED WITH SUITABLE APPROVED BACKFILL COMPACTED TO 98 PERCENT SPMDD.

AREA GRADING NOTES

1. TOPSOIL IS TO BE SPREAD ONLY IN AREAS REQUIRING EARTHWORKS AND PLACED IN TEMPORARY STOCKPILES, REFER TO ADDITIONAL NOTES ON C-650 REGARDING TOPSOIL STOCK PILING.
2. ALL TEMPORARY TOPSOIL STOCKPILES TO BE LOCATED IN CONSTRUCTION LAY DOWN AREAS AS SHOWN ON PLANS. SHOULD NO STOCKPILE LOCATIONS BE PROVIDED ON THE GRADING PLANS, WITH LOCATIONS TO BE CONFIRMED WITH CONTRACT ADMINISTRATOR.
3. ROADWAYS AND STONE-BASE LAY DOWN AREAS ARE TO BE PLACED ON NATIVE GROUND AFTER TOPSOIL HAS BEEN STRIPPED.
4. ALL ADDITIONAL TOPSOIL IS TO BE SPREAD IN DESIGNATED FILL AREAS IDENTIFIED ON THE GRADING PLANS (INCREASE IF ADDITIONAL TOPSOIL IS AVAILABLE).

B. ISSUED FOR TENDER	DRR	DS	17.11.23
A. ISSUED FOR CLIENT REVIEW	MALM	DS	17.10.31
Revision	By	Appd.	YY.MM.DD

File Name: 133560220_C-DT-SUBSTATION.dwg	DRR	DS	DRR	17.10.18
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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Client/Project

LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT

54MW GROUND-MOUNT SOLAR FARM

County of Lennox and Addington, Ontario

Title

GENERAL DETAILS AND NOTES

Project No.

133560220

Drawing No.

AS NOTED

Sheet

Revision

C-500

1 of 2

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THIS DRAWING TO BE USED IN CONNECTION WITH ALL OTHER DRAWINGS IN THIS SET PREPARED BY STANTEC CONSULTING LTD.

CONTRACT NO. 15-01-0001 AND VERIFY DIMENSIONS, OBTAIN ALL UTILITY LOCATES AND OBTAIN ALL REQUIRED PERMITS/LICENSES AND VERIFY ELEVATIONS OF EXISTING SERVICES BEFORE BEGINNING ANY WORK.

ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.

IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR HIS/HER REPRESENTATIVE MUST ENJOACH THE CONTRACTOR TO BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES WRITTEN PERMITS FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PROPERTY PROPERLY TO THE ADJACENT PROPERTY OWNERS. ALL LETTERS MUST BE SUBMITTED TO STANTEC PRIOR TO ANY WORK BEING PERFORMED. IT MUST BE COMPLY WITH THE ABOVE AS THE PROPERTY OWNERS OWN RISK.

THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL BOUNDARY OF:

1. THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DAMAGE AND MEASURES TO CONTROL WATER RUNOFF FROM THE SITE TO BE FINE GRADED/EVELED LEAVING THE SITE IN A NEAR APPEARANCE SUCH THAT POSITIVE DRAINAGE IS ACHIEVED EVERYWHERE PRIOR TO THE INSTALLATION OF SOLAR PANELS.

2. THE CONTRACTOR MUST BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.

3. THE CONTRACTOR MUST BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES ON SITE FOR DETERMINATION OF TRUNK HEIGHT.

4. ALL EXISTING TREES TO BE REMOVED ARE TO BE RE-VEGETATED USING NATIVE TOPSOIL AND SEED. MAX IMPLANTATION RATE/METHOD TO BE SUBMITTED AND APPROVED BY OWNER PRIOR TO WORK.

5. ALL CLEARING AND RUBBING AND REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPS 201.

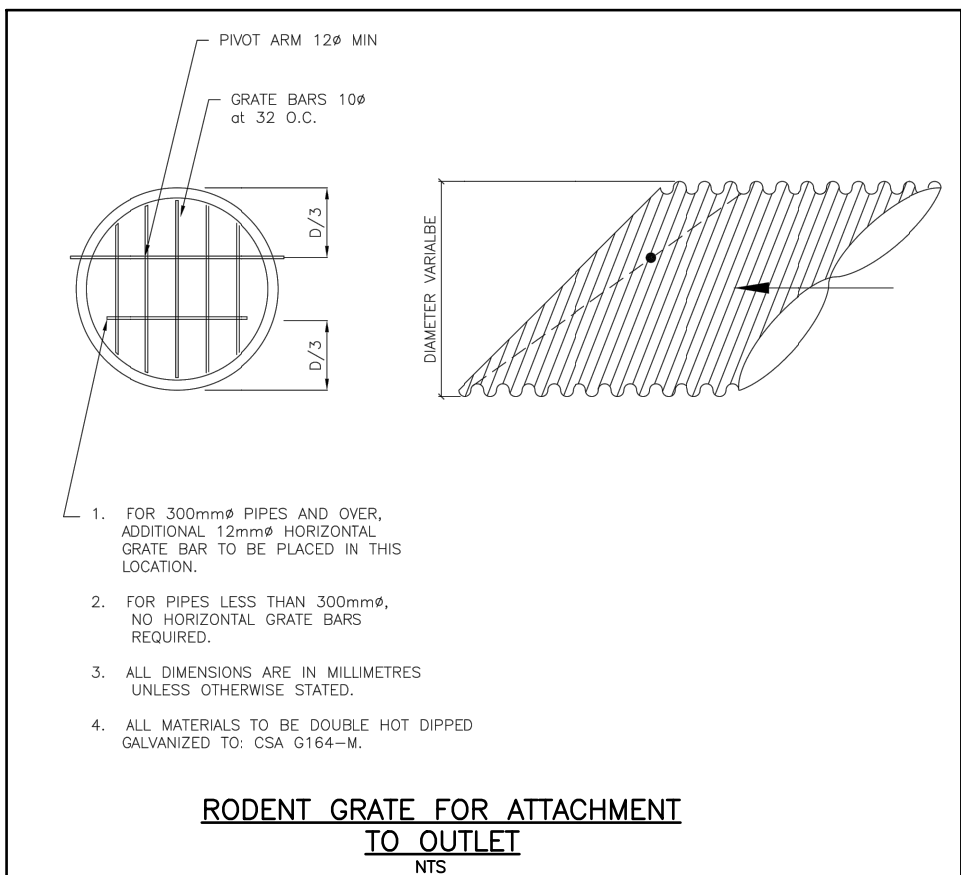
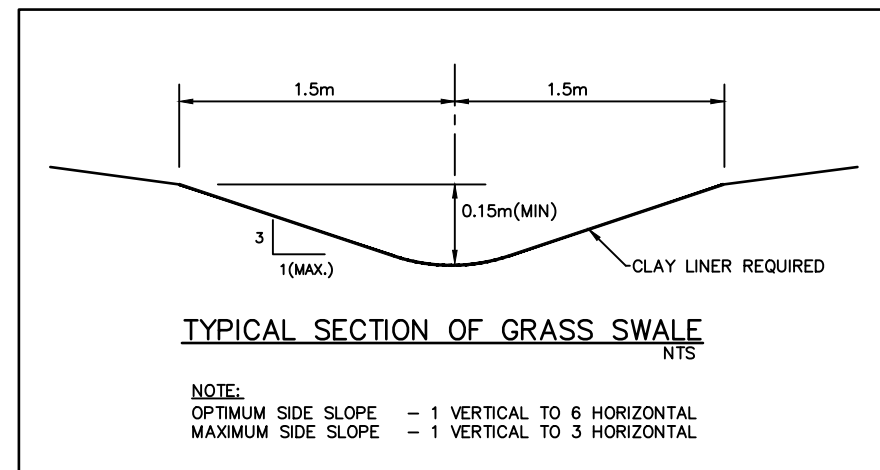
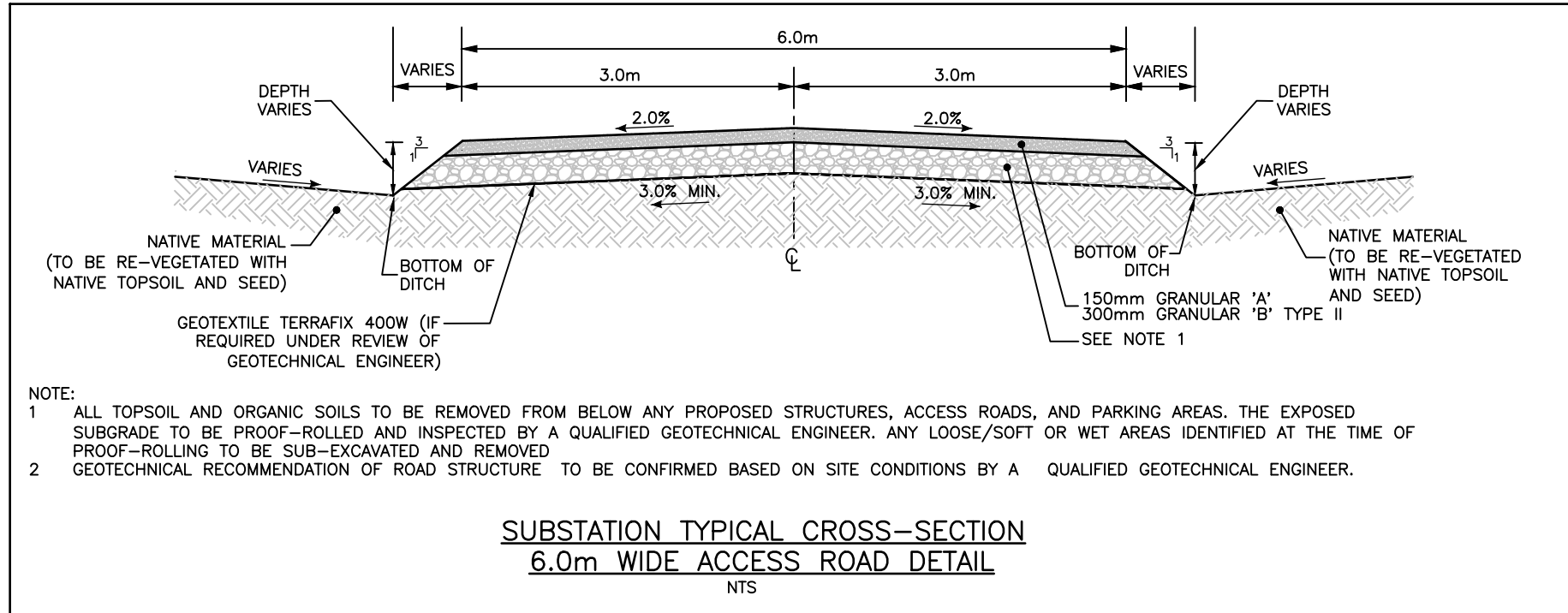
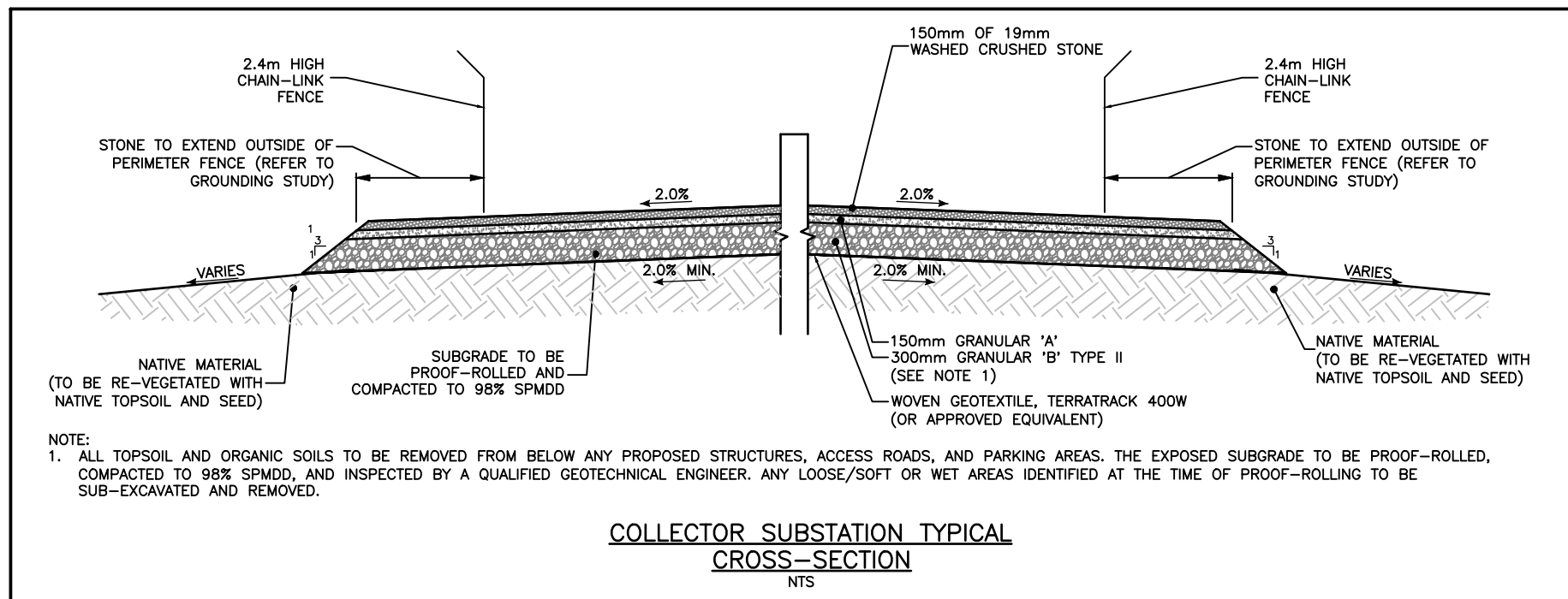
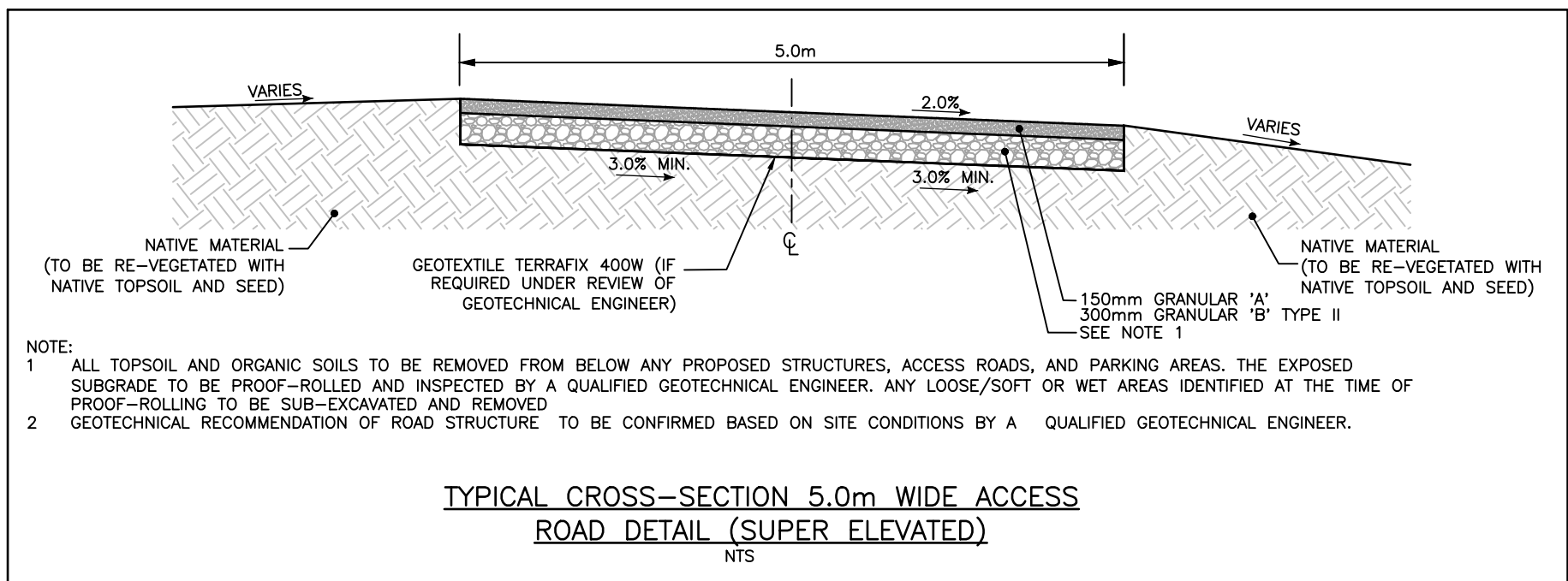
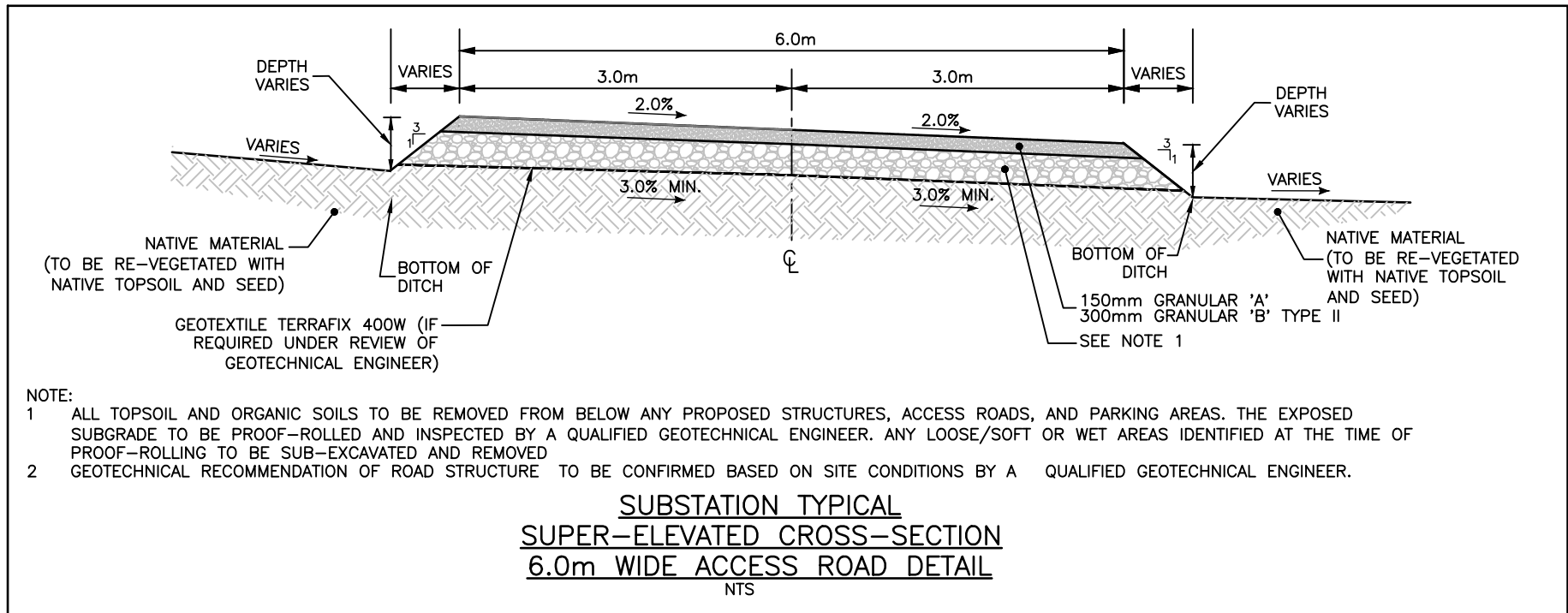
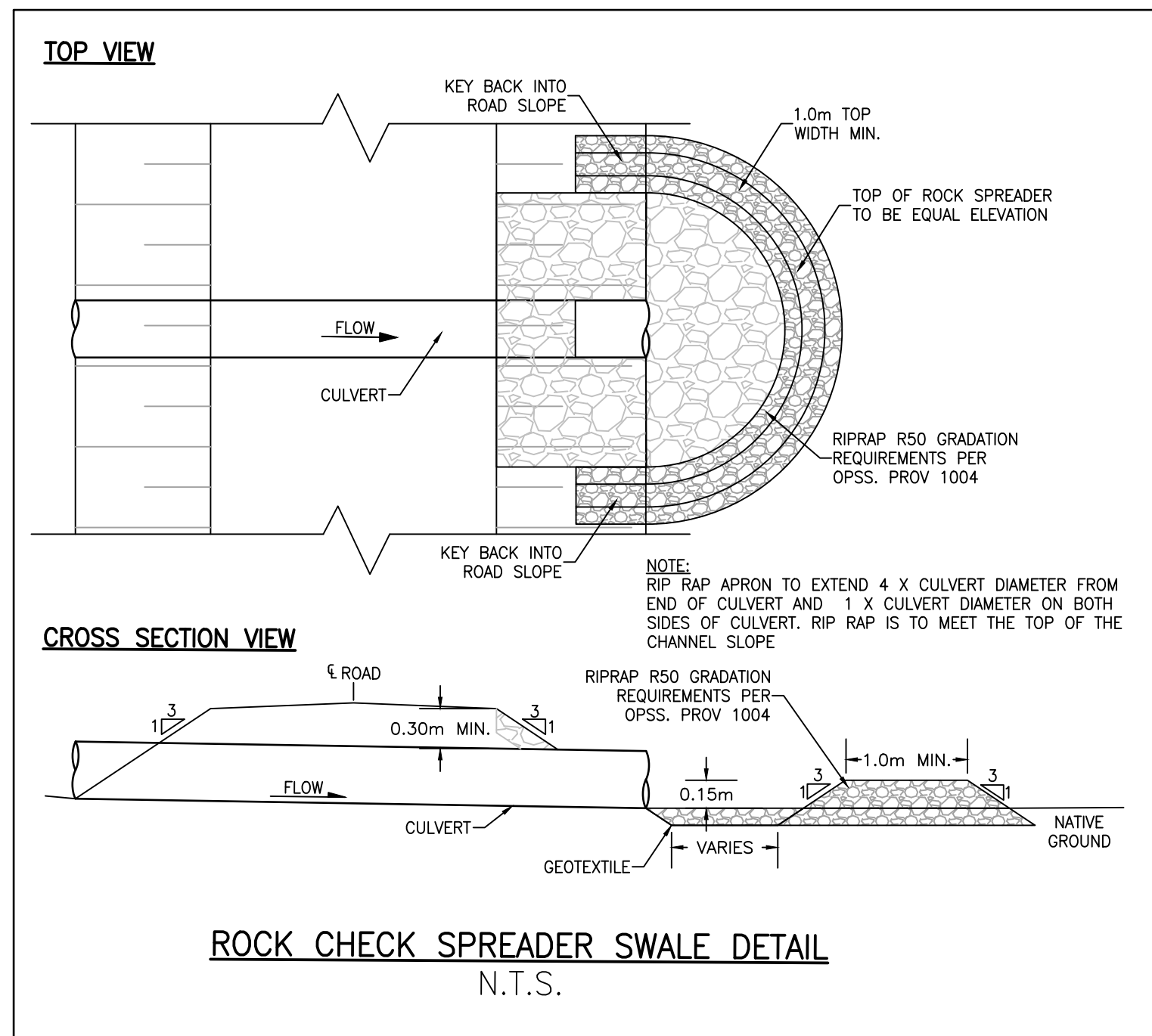
6. TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPS 277.

7. ALL EXISTING UTILITIES TO BE PROTECTED IN ACCORDANCE WITH OPS 1010 TO BE USED IN ACCORDANCE WITH OPS 1010.

8. ALL EXISTING UTILITIES TO BE PROTECTED IN ACCORDANCE WITH OPS 421. HEIGHT OF FILL TABLE FOR CULVERTS TO COMPLY WITH OPS 805.010.

9. STORMWATER SHALL BE IN ACCORDANCE WITH OPS 410.010 SECTION B-B.

10. ALL SEEDING TO BE COMPLETED IN ACCORDANCE WITH OPS 804.



B. ISSUED FOR TENDER	DRR	DS	YY.MM.DD
A. ISSUED FOR CLIENT REVIEW	MALM	DS	YY.MM.DD
Revision	By	Appd.	YY.MM.DD

Client/Project

LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT

54MW GROUND-MOUNT SOLAR FARM

County of Lennox and Addington, Ontario

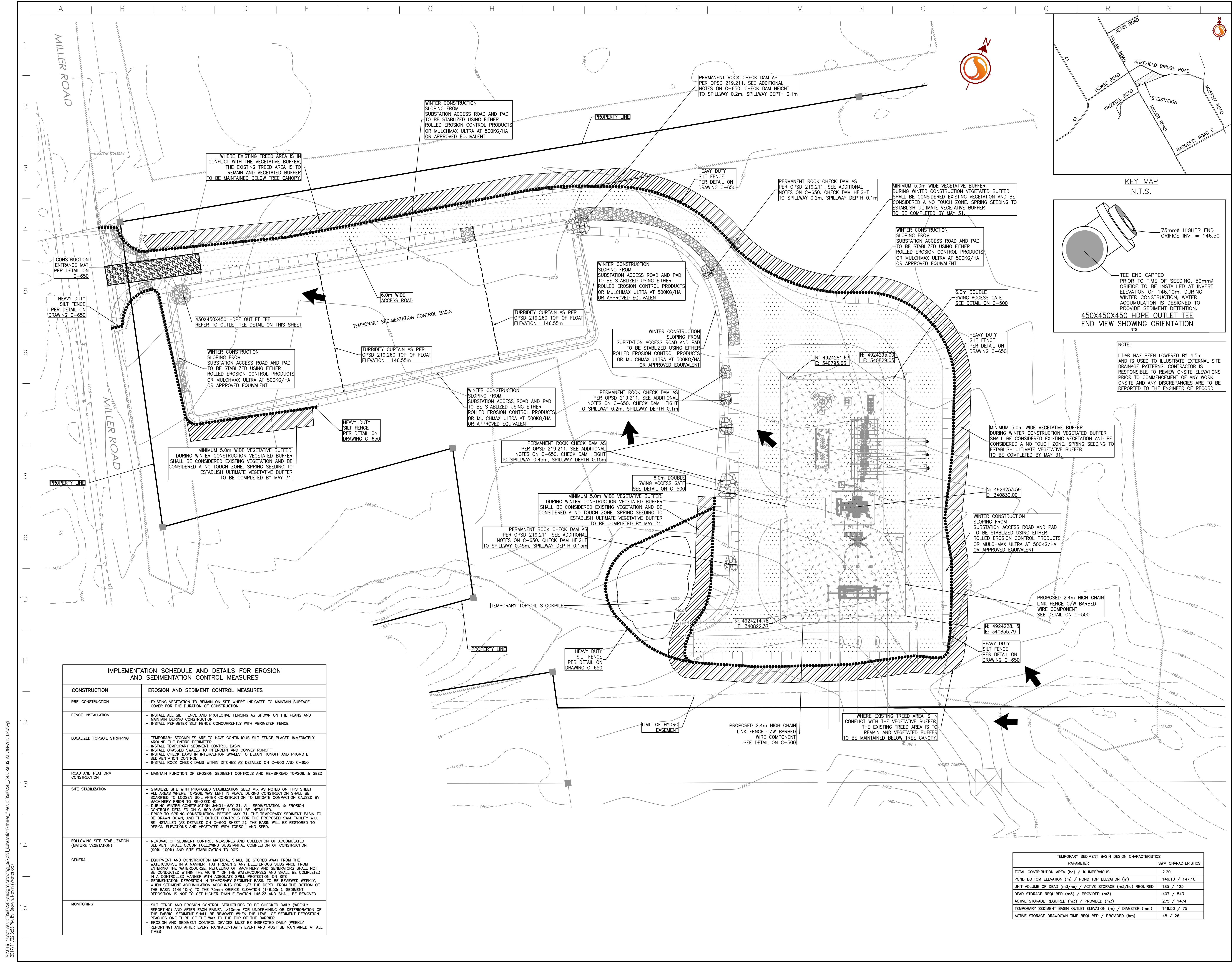
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GENERAL DETAILS
AND NOTES

Project No. 133560220	Scale AS NOTED	
Drawing No.	Sheet	Revision

C-500 2 of 2

B



IMPLEMENTATION SCHEDULE AND DETAILS FOR EROSION AND SEDIMENTATION CONTROL MEASURES	
CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES
PRE-CONSTRUCTION	- EXISTING VEGETATION TO REMAIN ON SITE WHERE INDICATED TO MAINTAIN SURFACE COVER FOR THE DURATION OF CONSTRUCTION
FENCE INSTALLATION	- INSTALL ALL SILT FENCE AND PROTECTIVE FENCING AS SHOWN ON THE PLANS AND MAINTAIN DURING CONSTRUCTION - INSTALL PERIMETER SILT FENCE CONCURRENTLY WITH PERIMETER FENCE
LOCALIZED TOPSOIL STRIPPING	- TEMPORARY STOCKPILES ARE TO HAVE CONTINUOUS SILT FENCE PLACED IMMEDIATELY AROUND THE ENTIRE PERIMETER - INSTALL TEMPORARY SEDIMENT CONTROL BASIN - INSTALL GRASSED SWALES TO INTERCEPT AND CONVEY RUNOFF - INSTALL CHECK DAMS IN INTERCEPT SWALES TO DETAIN RUNOFF AND PROMOTE SEDIMENTATION CONTROL - INSTALL ROCK CHECK DAMS WITHIN DITCHES AS DETAILED ON C-600 AND C-650
ROAD AND PLATFORM CONSTRUCTION	- MAINTAIN FUNCTION OF EROSION SEDIMENT CONTROLS AND RE-SPREAD TOPSOIL & SEED
SITE STABILIZATION	- STABILIZE SITE WITH PROPOSED STABILIZATION SEED MIX AS NOTED ON THIS SHEET. - ALL AREAS WHERE TOPSOIL WAS LEFT IN PLACE DURING CONSTRUCTION SHALL BE SCARIFIED TO LOOSEN SOIL AFTER CONSTRUCTION TO MITIGATE COMPACTION CAUSED BY MACHINERY PRIOR TO RE-SEEDING - DURING WINTER CONSTRUCTION JANU-MAY 31, ALL SEDIMENTATION & EROSION CONTROLS DETAILED ON C-600 SHEET 1 SHALL BE INSTALLED. - PRIOR TO SPRING CONSTRUCTION BEFORE MAY 31, THE TEMPORARY SEDIMENT BASIN TO BE DRAWN DOWN, AND THE OUTLET CONTROLS FOR THE PROPOSED SWM FACILITY WILL BE INSTALLED (AS DETAILED ON C-600 SHEET 2). THE BASIN WILL BE RESTORED TO DESIGN ELEVATIONS AND VEGETATED WITH TOPSOIL AND SEED.
FOLLOWING SITE STABILIZATION (MATURE VEGETATION)	- REMOVAL OF SEDIMENT CONTROL MEASURES AND COLLECTION OF ACCUMULATED SEDIMENT SHALL OCCUR FOLLOWING SUBSTANTIAL COMPLETION OF CONSTRUCTION (90%-100%) AND SITE STABILIZATION TO 90%
GENERAL	- EQUIPMENT AND CONSTRUCTION MATERIAL SHALL BE STORED AWAY FROM THE WATERCOURSE IN A MANNER THAT PREVENTS ANY DELICIOUS SUBSTANCE FROM ENTERING THE WATERCOURSE, REFUELING OF MACHINERY AND GENERATORS SHALL NOT BE CONDUCTED WITHIN THE VICINITY OF THE WATERCOURSES AND SHALL BE COMPLETED IN A CONTROLLED MANNER WITH ADEQUATE SPILL PROTECTION ON SITE - SEDIMENTATION DEPOSITION IN TEMPORARY SEDIMENT BASIN TO BE REVIEWED WEEKLY, WHEN SEDIMENT ACCUMULATION ACCOUNTS FOR 1/3 THE DEPTH FROM THE BOTTOM OF THE BASIN (146.10m) TO THE 75mm ORIFICE ELEVATION (146.50m). SEDIMENT DEPOSITION IS NOT TO GET HIGHER THAN ELEVATION 146.25 AND SHALL BE REMOVED
MONITORING	- SILT FENCE AND EROSION CONTROL STRUCTURES TO BE CHECKED DAILY (WEEKLY REPORTING) AND AFTER EACH RAINFALL>10mm FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES ONE THIRD OF THE WAY TO THE TOP OF THE BARRIER - EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED DAILY (WEEKLY REPORTING) AND AFTER EVERY RAINFALL>10mm EVENT AND MUST BE MAINTAINED AT ALL TIMES

TEMPORARY SEDIMENT BASIN DESIGN CHARACTERISTICS	
PARAMETER	
TOTAL CONTRIBUTION AREA (ha) / % IMPERVIOUS	2.20
POND BOTTOM ELEVATION (m) / POND TOP ELEVATION (m)	146.10 / 147.10
UNIT VOLUME OF DEAD (m3/ha) / ACTIVE STORAGE (m3/ha) REQUIRED	185 / 125
DEAD STORAGE REQUIRED (m3) / PROVIDED (m3)	407 / 543
ACTIVE STORAGE REQUIRED (m3) / PROVIDED (m3)	275 / 1474
TEMPORARY SEDIMENT BASIN OUTLET ELEVATION (m) / DIAMETER (mm)	146.50 / 75
ACTIVE STORAGE DRAWDOWN TIME REQUIRED / PROVIDED (hrs)	48 / 26

Stantec

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Waterloo ON Canada
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www.stantec.com

CONSTRUCTION LEADERS

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- ### Notes
- TOPOGRAPHICAL INFORMATION PROVIDED BY LESLIE M. HOGGINS SURVEYING LTD. RECEIVED ON OCTOBER 8TH, 2017. TOPOGRAPHIC ZONE 18 UTM ZONES (ZONE 18) CSRS (1987) GROUND COORDINATES LEARN INFORMATION CONDUCTED BY TULLOCH ENGINEERING ON JUNE 27, 2016. LEARN SURVEY IS UTM 18. CONTRACTOR TO REVIEW ON-SITE ELEVATIONS PRIOR TO START OF WORK AND ANY DISCREPANCIES REPORTED TO THE ENGINEER OF RECORD.
 - LOCAL PLAN OF SURVEY BY GALLON DETZ INC. MARCH 6, 2017. SITE PLAN PROVIDED BY EPTCON, (REV. A) SEPTEMBER 20, 2017.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS IN THIS SET PREPARED BY STANTEC CONSULTING LTD.
 - THE CONTRACTOR MUST CHECK AND VERIFY DIMENSIONS, OBTAIN ALL UTILITY LOCATIONS AND OBTAIN ALL REQUIRED PERMITS/LICENSES AND VERIFY ELEVATIONS OF EXISTING SERVICES BEFORE PROCEEDING WITH ANY WORK.
 - CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS (LATEST EDITION).
 - IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR HIS/HER REPRESENTATIVE MUST ENCROACH ONTO PRIVATE LANDS TO UNDERTAKE ANY WORKS, HE/SHE MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PRIVATE PROPERTY TO PERFORM ANY WORKS. COPIES OF THESE LETTERS OF CONSENT MUST BE SUBMITTED TO STANTEC, PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT THE PROPERTY OWNERS OWN RISK.
 - THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY.
 - THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DRAINAGE AND MEASURES TO CONTROL WATER. THE SITE IS TO BE FINE GRADDED/LEVELLED LEAVING THE SITE IN A NEAT APPEARANCE SUCH THAT POSITIVE DRAINAGE IS ACHIEVED EVERYWHERE PRIOR TO THE INSTALLATION OF SOLAR PANELS.
 - CONSTRUCTION TURNING RADIIUS LIMITS DESIGNATED AREAS WHERE ADDITIONAL ROAD WIDTH IS REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.
 - CULVERTS ARE TO BE INSTALLED AS PER OPSD 802.010. SOIL TYPE TO BE CONFIRMED ON SITE FOR DETERMINATION OF TRENCH WIDTH.
 - ALL AREAS WITHIN THE PROPOSED WORKS ARE TO BE RE-VEGETATED USING NATIVE TOPSOIL AND SEED. MIX AND APPLICATION RATE/METHOD TO BE SUBMITTED AND APPROVED BY OWNER PRIOR TO IMPLEMENTATION.
 - CLEANING AND GRUBBING AND REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPSD 201.
 - TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPSD 577.
 - GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSD 504. GRANULAR MATERIAL TO BE USED IN ACCORDANCE WITH OPSD 1010.
 - CULVERT TO BE CONSTRUCTED IN ACCORDANCE WITH OPSD 421. HEIGHT OF FILL TABLE FOR CSP CULVERTS TO COMPLY WITH OPSD 805.010.
 - REPAIR SHALL BE IN ACCORDANCE WITH OPSD 810.010 SECTION B-8.

Legend

PROPOSED	EXISTING
	DITCH
	TOPOGRAPHIC SURVEY CONTOUR
	LIDAR CONTOUR
	PROPERTY LINE
	FENCE
	OVERLAND FLOW DIRECTION
	CULVERT
	SLOPE (3:1 UNLESS NOTED OTHERWISE)
	5.0M WIDE VEGETATIVE BUFFER
	GRAVELLED AREA
	HEAVY DUTY SILT FENCE (SEE DETAILS ON C-650)
	ROCK CHECK DAMS (SEE DETAILS ON C-650)
	CONSTRUCTION ENTRANCE MAT (SEE DETAILS ON C-650)
	TURBIDITY CURTAIN
	TEMPORARY TOPSOIL STOCKPILE LIMIT

B. ISSUED FOR TENDER		KDB	CC	17.11.21
A. ISSUED FOR CLIENT REVIEW		DRR	DS	17.10.31
Revision		By	Appd.	YY.MM.DD

File Name: 133560220_C-EC-SUBSTATION-WINTER.dwg	DRR	DS	DRR	17.10.18
	Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project

LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT

54MW GROUND-MOUNT SOLAR FARM

County of Lennox and Addington, Ontario

Title

SUBSTATION
SEDIMENT AND EROSION
CONTROL PLAN-WINTER CONSTRUCTION

Project No. 133560220

Drawing No. Sheet Revision

Scale 1:500

0 5 15 25m

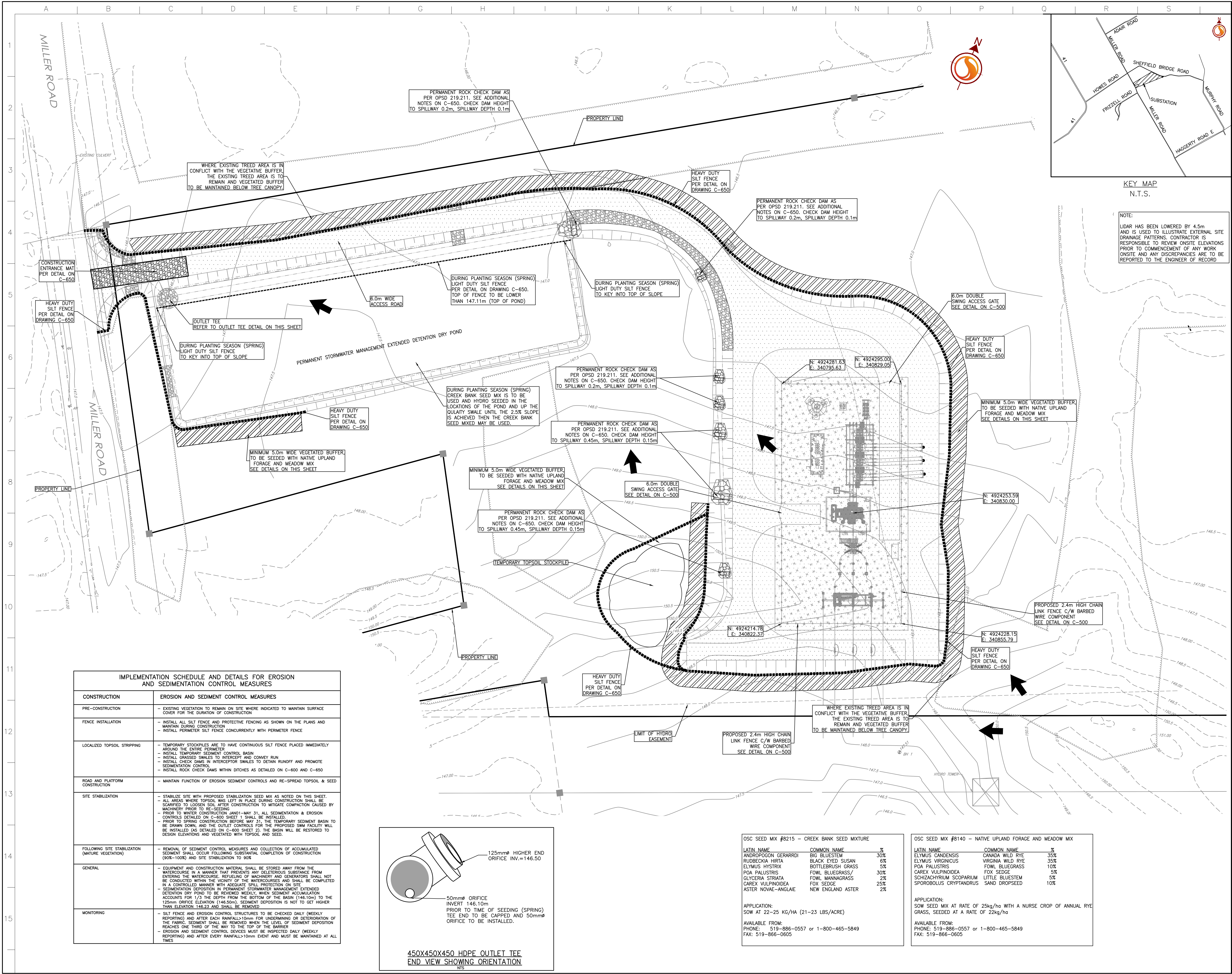
C-600 1 of 2 B

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Version: 2.0 Modified By: Joel Veemstra Modified: 11/23/2017 9:20:55 AM Status: Open

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20/7/17 12:35 PM By: Brown, Kevin (Waterloo)



Stantec Consulting Ltd.
300 Hagley Boulevard
Waterloo ON Canada
Tel. 519.579.4410
www.stantec.com

CONSTRUCTION LEADERS

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Notes

- TOPOGRAPHICAL INFORMATION PROVIDED BY LESLIE M. HOGGINS SURVEYING LTD. RECEIVED ON OCTOBER 8TH, 2017. TOPOGRAPHIC SURVEY IS IN UTM ZONES (ZONE 18) CSRS (1987) COORDINATES LEAR INFORMATION CONDUCTED BY TULLOCH ENGINEERING ON JUNE 27, 2016. LEAR SURVEY IS UTM 18. CONTRACTOR IS RESPONSIBLE TO REVIEW ON-SITE ELEVATIONS PRIOR TO START OF WORK AND ANY DISCREPANCIES REPORTED TO THE ENGINEER OF RECORD.
- LEAR PLAN OF SURVEY BY CALLOM DETZ INC. MARCH 6, 2017. SITE PLAN PROVIDED BY EPTCON, (REV. A) SEPTEMBER 20, 2017.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS IN THIS SET PREPARED BY STANTEC CONSULTING LTD.
- THE CONTRACTOR MUST CHECK AND VERIFY DIMENSIONS, OBTAIN ALL UTILITY LOCATES AND OBTAIN ALL REQUIRED PERMITS/AGREEMENTS AND VERIFY ELEVATIONS OF EXISTING SERVICES BEFORE PROCEEDING WITH ANY WORK.
- CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS (LATEST EDITION).
- IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR HIS/HER REPRESENTATIVE MUST ENCROACH ONTO PRIVATE LANDS TO UNDERTAKE ANY WORKS, HE/SHE MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PRIVATE PROPERTY TO PERFORM ANY WORKS. COPIES OF THESE LETTERS OF CONSENT MUST BE SUBMITTED TO STANTEC, PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT THE PROPERTY OWNERS OWN RISK.
- THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY.
- THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DRAINAGE AND MEASURES TO CONTROL WATER. THE SITE IS TO BE FINE GRADED/LEVELLED LEAVING THE SITE IN A NEAT APPEARANCE SUCH THAT POSITIVE DRAINAGE IS ACHIEVED EVERYWHERE PRIOR TO THE INSTALLATION OF SOLAR PANELS.
- CONSTRUCTION TURNING RADII MUST IDENTIFY AREAS WHERE ADDITIONAL ROAD WIDTH IS REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.
- CULVERTS ARE TO BE INSTALLED AS PER OPSD 802.010. SOIL TYPE TO BE DETERMINED ON SITE FOR DETERMINATION OF TRENCH WIDTH.
- ALL AREAS WITHIN THE PROPOSED WORKS ARE TO BE RE-VEGETATED USING NATIVE TOPSOIL AND SEED MIX AND APPLICATION RATE/METHOD TO BE SUBMITTED AND APPROVED BY OWNER PRIOR TO IMPLEMENTATION.
- CLEARING AND GRUBBING AND REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPSD 201.
- TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPSD 577.
- GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSD 506. GRANULAR MATERIAL TO BE USED IN ACCORDANCE WITH OPSD 1010.
- CULVERT TO BE CONSTRUCTED IN ACCORDANCE WITH OPSD 421. HEIGHT OF FILL TABLE FOR CSP CULVERTS TO COMPLY WITH OPSD 805.010.
- REMAP SHALL BE IN ACCORDANCE WITH OPSD 810.010 SECTION B-B.

Legend

PROPOSED	EXISTING
	DITCH
	TOPOGRAPHIC SURVEY CONTOUR
	LIDAR CONTOUR
	PROPERTY LINE
	FENCE
	OVERLAND FLOW DIRECTION
	CULVERT
	SLOPE (3:1 UNLESS NOTED OTHERWISE)
	5.0M WIDE VEGETATIVE BUFFER
	GRAVELLED AREA
	HEAVY DUTY SILT FENCE (SEE DETAILS ON C-650)
	ROCK CHECK DAMS (SEE DETAILS ON C-650)
	CONSTRUCTION ENTRANCE MAT (SEE DETAILS ON C-650)
	TURBIDITY CURTAIN
	TEMPORARY TOPSOIL STOCKPILE LIMIT

B.	ISSUED FOR TENDER	KDB	CC	17.11.21
A.	ISSUED FOR CLIENT REVIEW	DRR	DS	17.10.31
Revision	By	Appd.	YYMMDD	

File Name:	133560220_C-EC-SUBSTATION-SPRING.dwg	DS	DRR	17.10.18
	Dwn.	Chkd.	Dgnd.	YYMMDD
Permit-Seal				

Client/Project

LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT

54MW GROUND-MOUNT SOLAR FARM

County of Lennox and Addington, Ontario

Title

SUBSTATION
SEDIMENT AND EROSION
CONTROL PLAN-SPRING CONSTRUCTION

Project No.

133560220

Scale

0 5 15 25m
1:500

Drawing No.

Sheet

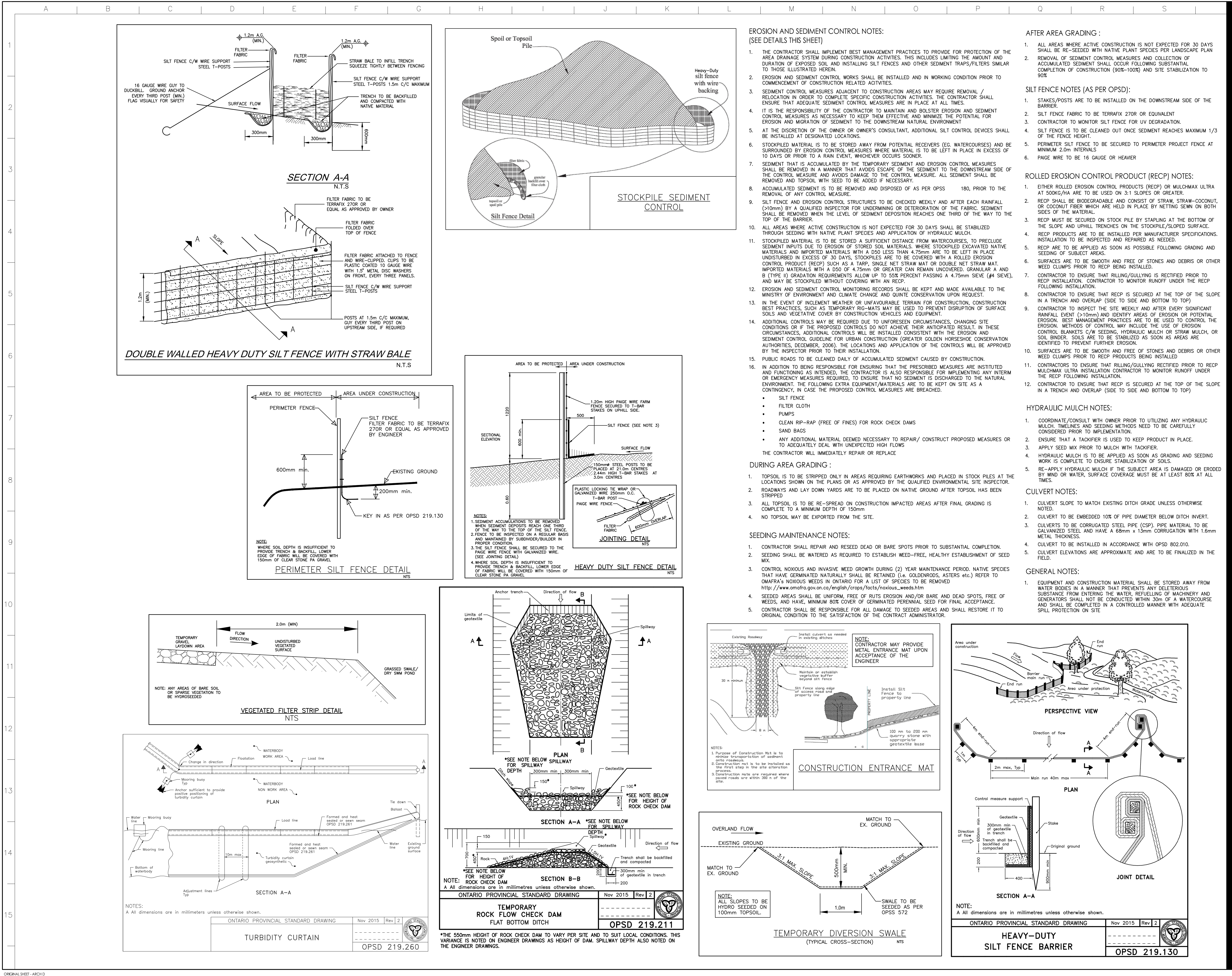
Revision

C-600

2 of 2

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Version: 2.0 Modified By: Joel Veeranna Modified: 11/23/2017 9:20:55 AM Status: Open



Notes

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS IN THIS SET PREPARED BY STANTEC CONSULTING LTD.
2. THE CONTRACTOR MUST CHECK AND VERIFY DIMENSIONS, OBTAIN ALL UTILITY LOCATES AND OBTAIN ALL REQUIRED PERMITS/LICENSES AND VERIFY ELEVATIONS OF EXISTING SERVICES BEFORE PROCEEDING WITH ANY WORK.
3. ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS (LATEST EDITION).
4. IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR HIS/HER REPRESENTATIVE MUST ENCROACH ONTO PRIVATE LANDS TO UNDERTAKE ANY WORKS, HE/SHE MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PRIVATE PROPERTY TO PERFORM ANY WORKS. COPIES OF THESE LETTERS OF CONSENT MUST BE SUBMITTED TO STANTEC PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT THE PROPERTY OWNERS OWN RISK.
5. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY.
6. THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DAMAGE AND MEASURES TO CONTROL WATER. THE SITE IS TO BE FINE GRADED/LEVELLED LEAVING THE SITE IN A NEAT APPEARANCE SUCH THAT POSITIVE DRAINAGE IS ACHIEVED EVERYWHERE PRIOR TO THE INSTALLATION OF SOLAR PANELS.
7. CONSTRUCTION TURNING RADIIUS LIMITS IDENTIFY AREAS WHERE ADDITIONAL ROAD WIDTH IS REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.
8. CULVERTS ARE TO BE INSTALLED AS PER OPSPD 802.010. SOIL TYPE TO BE CONFIRMED ON SITE FOR DETERMINATION OF CORRECT WIDTH.
9. ALL AREAS WITHIN THE PROPOSED WORKS ARE TO BE RE-VEGETATED USING NATIVE TOPSOIL AND SEED MIX AND APPLICATION RATE/METHOD TO BE SUBMITTED AND APPROVED BY OWNER PRIOR TO IMPLEMENTATION.
10. CLEARING AND GRUBBING AND REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPSS 201.
11. TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPSS 577.
12. GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSS 206. GRANULAR MATERIAL TO BE USED IN ACCORDANCE WITH OPSS 1010.
13. RIPRAP SHALL BE IN ACCORDANCE WITH OPSPD 802.010. HEIGHT OF FILL TABLE FOR CSP CULVERTS TO COMPLY WITH OPSPD 802.010.
14. ALL SEEDING TO BE COMPLETED IN ACCORDANCE WITH OPSS 804.

- Revision
- | Rev | By | Appd. | Date | |
|-----|--------------------------|-------|------|----------|
| B. | ISSUED FOR TENDER | DRR | DS | 17.11.21 |
| A. | ISSUED FOR CLIENT REVIEW | DRR | DS | 17.10.30 |
- File Name: 133560220_C-01-EC-SUBSTATION.dwg
- | Rev | By | Appd. | Date |
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| DRM | DS | DRR | 17.10.18 |
| Dwm | Chld. | Dgrn. | YYMMDD |
- Permit-Seal

- Client/Project
- LOYALIST SOLAR LP
LOYALIST SOLAR PROJECT
- 54MW GROUND-MOUNT SOLAR FARM
- County of Lennox and Addington, Ontario

- Title
- SUBSTATION
SEDIMENTATION AND EROSION
CONTROLS DETAILS
- Project No. 133560220
- Drawing No. 133560220
- Scale
- Sheet
- Revision

- C-650
- 1 of 1
- B