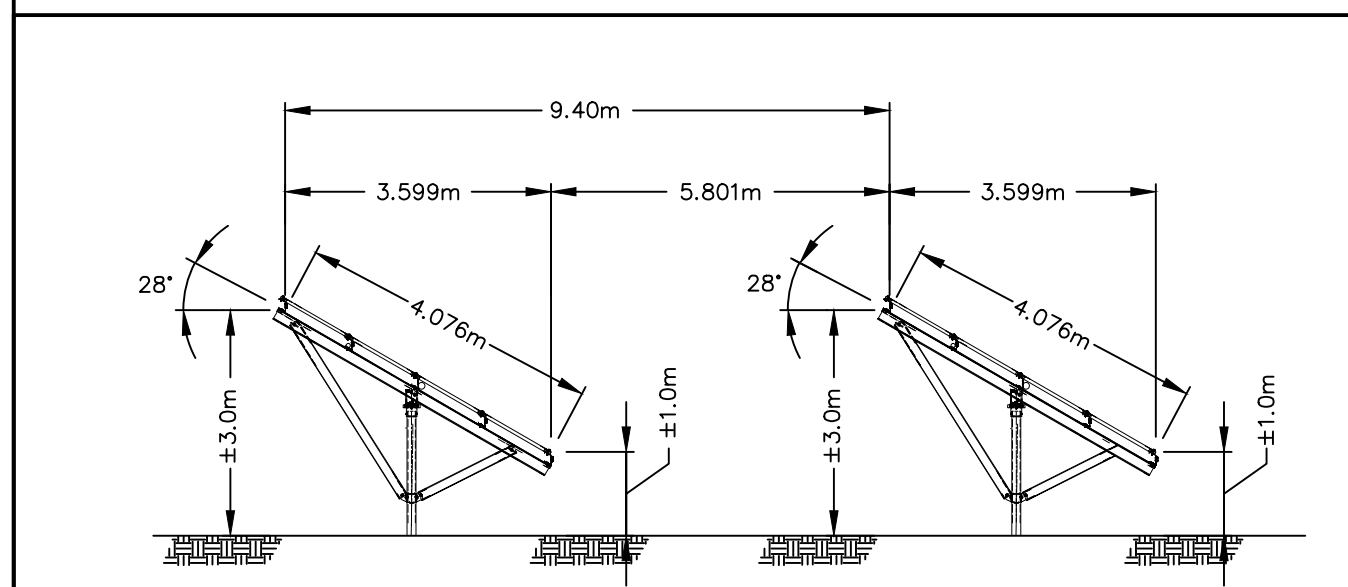
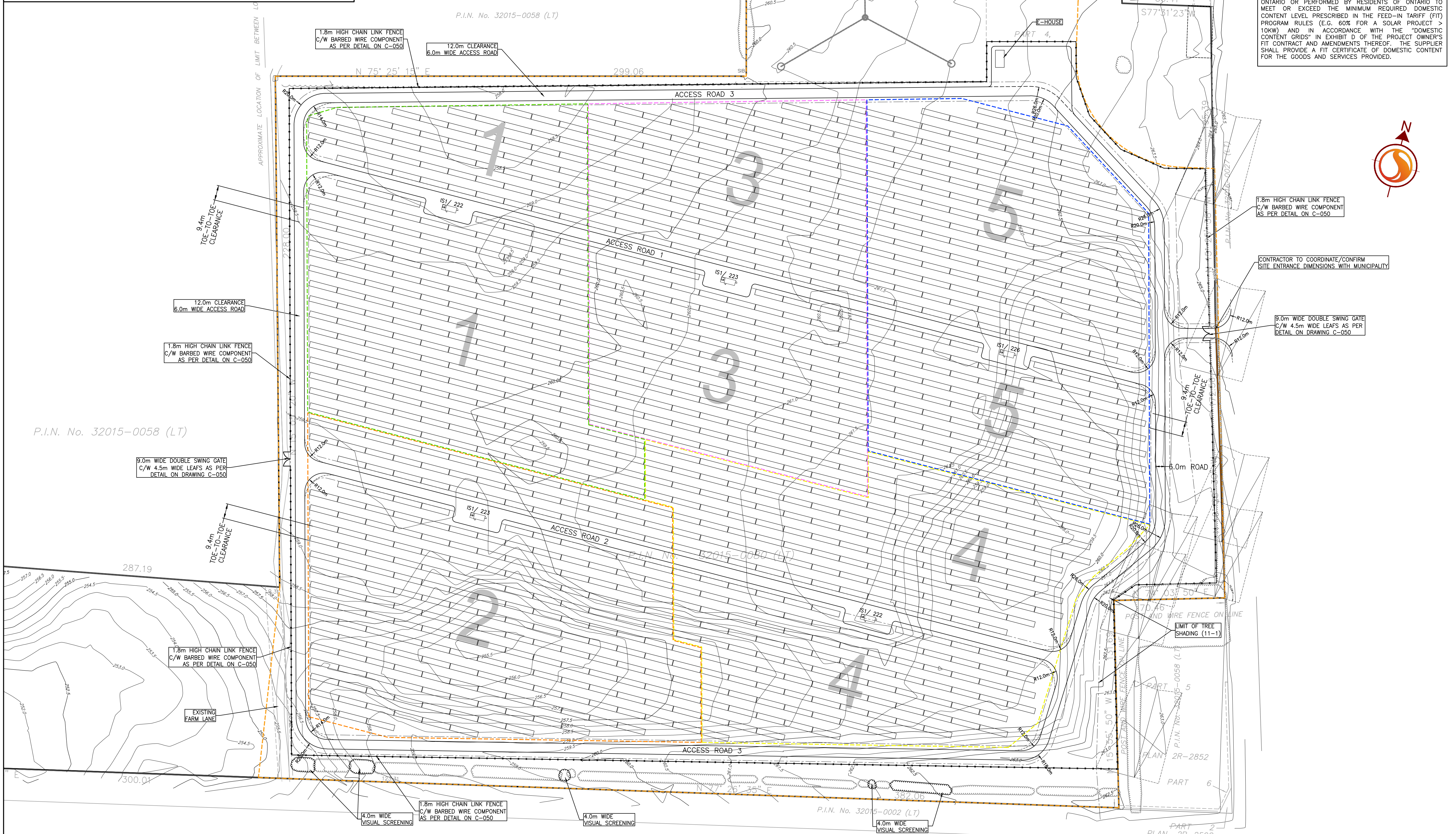


SOLAR SITE POWER SUMMARY						
BLOCK	MODULE*	No. OF TABLES	No. OF STRINGS	No. OF MODULES	DC POWER (MW)	AC POWER (MW)
B1	310W	222	444	7992	2.4775	1.6
B2	310W	223	446	8028	2.4887	1.6
B3	310W	223	446	8028	2.4887	1.6
B4	310W	222	444	7992	2.4775	1.6
B5	310W	226	452	8136	2.5222	1.6
TOTAL		1116	2232	40176	12.4546	8
						1.5568

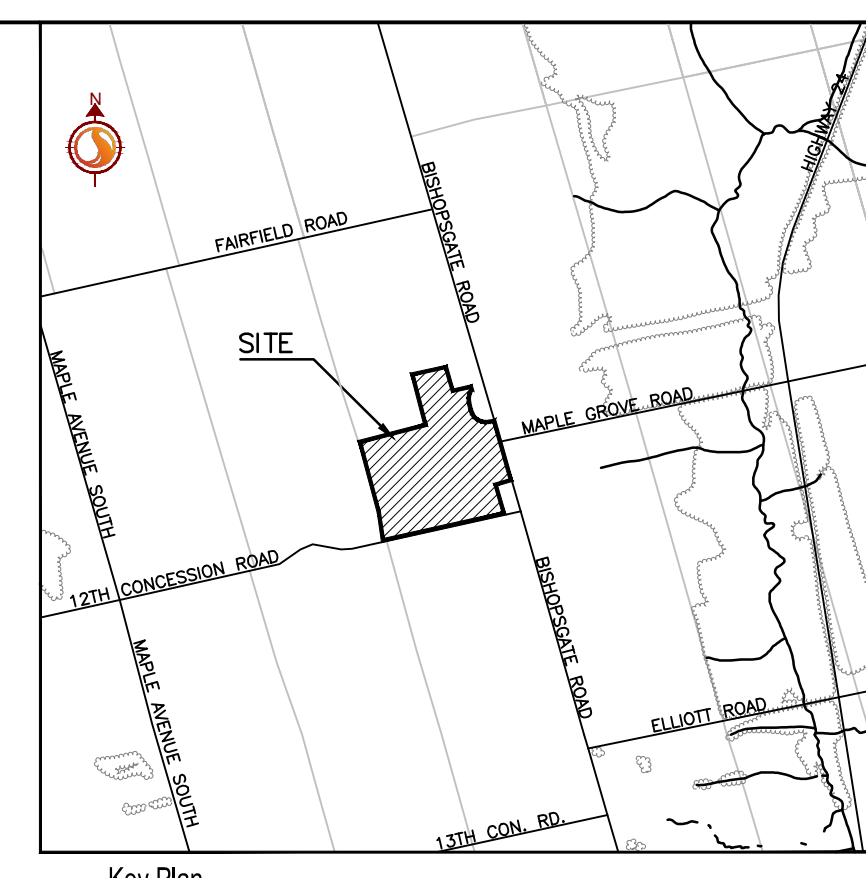


**28° INSTALLATION TILT
TYPICAL TOE-TO-TOE INSTALLATION**

NOTE:
1. TABLE LENGTH = 18.00m
2. 0.3m PROVIDED BETWEEN TABLES (AT 0% GRADE)



THE GOOD(S) AND/OR SERVICE(S) SHALL BE EITHER PRODUCED, SOURCED OR PROVIDED IN THE PROVINCE OF ONTARIO OR PERFORMED BY RESIDENTS OF ONTARIO TO MEET OR EXCEED THE MINIMUM REQUIRED DOMESTIC CONTENT LEVEL PRESCRIBED IN THE FEED-IN TARIFF (FIT) PROGRAM RULES (E.G. 60% FOR A SOLAR PROJECT > 10KW) AND IN ACCORDANCE WITH THE DOMESTIC CONTENT GRIDS IN EXHIBIT D OF THE PROJECT OWNER'S FIT CONTRACT AND AMENDMENTS THEREOF. THE SUPPLIER SHALL PROVIDE A FIT CERTIFICATE OF DOMESTIC CONTENT FOR THE GOODS AND SERVICES PROVIDED.

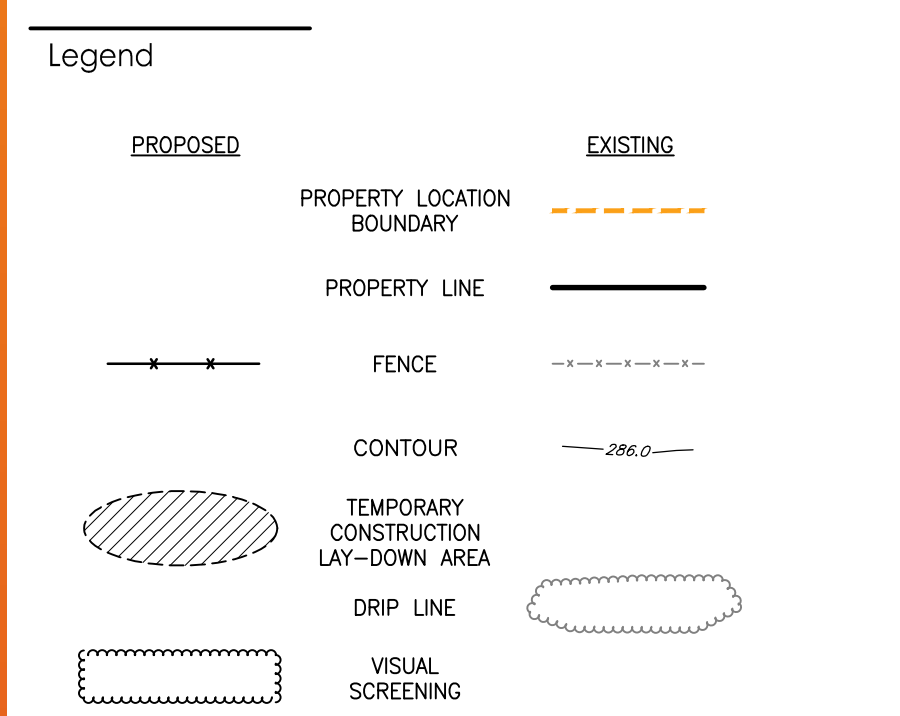


49 Frederick Street
Kitchener, ON, N2H 6A7
Tel. 519.579.4410
www.stantec.com

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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**
- BEARINGS SHOWN HEREON ARE ASTROMERIC AND ARE REFERRED TO THE SOUTHERN LIMIT OF KING STREET WEST AS SHOWN ON PLAN 84-779 HAVING A BEARING OF N 65°41'37" W.
 - BENCHMARK ELEVATIONS ORTHOMETRIC AND ARE REFERRED TO BENCHMARK C081980509 NORTHWEST CORNER OF HIGHWAY 24 AND MAPLEGROVE ROAD ELEVATION 240.133m.
 - TOPOGRAPHICAL AND PLAN OF SURVEY BY J. P. WOOLLEY SURVEYING LTD. DATED NOVEMBER 20, 2008 PROVIDED BY PENN ENERGY RENEWABLES LTD. JULY 26, 2013.
 - GEOTECHNICAL INFORMATION PROVIDED BY GENVAR INC. DATED JANUARY 17, 2011.
 - PROPERTY AND EASEMENT LINES BASED ON REDUCED PLAN 2R-4942 BY JEMIT AND DOXON LTD., ONTARIO LAND SURVEYORS, DATED MAY 10, 1996.
 - 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.
 - 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).
 - IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR HIS/HER REPRESENTATIVE MUST ENDEAVOR 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 OWNER'S OWN RISK.
 - THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO THE COUNTY OF BRANT STANDARDS.
 - 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 RADIUS LIMITS IDENTIFY AREAS WHERE ADDITIONAL ROAD WIDTH IS REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.
 - CULVERTS ARE TO BE INSTALLED AS PER OPS 802.010.
 - ALL AREAS WITHIN THE PROPOSED WORKS ARE TO BE RE-VEGETATED USING NATIVE TOPSOIL AND SEED.
 - CLEARING AND GRUBBING AND REMOVALS TO BE COMPLETED IN ACCORDANCE WITH OPS 201.
 - TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPS 577.
 - GRADING TO BE COMPLETED IN ACCORDANCE WITH OPS 206. GRANULAR MATERIAL TO BE USED IN ACCORDANCE WITH OPS 1010.
 - CULVERT TO BE CONSTRUCTED IN ACCORDANCE WITH OPS 421. HEIGHT OF FILL TABLE FOR CSP CULVERTS TO COMPLY WITH OPS 805.010.
 - RIPRAP SHALL BE IN ACCORDANCE WITH OPS 810.010 SECTION B-B.



Revision	By	Appd.	YY.MM.DD
File Name: 161011321_CS-SP.dwg	KDB	MAN	KDB 13.11.01
	Dwn.	Chkd.	Dign. YY.MM.DD

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Client/Project
PENN ENERGY RENEWABLES LTD.

BRANTGATE
8MW SOLAR FARM
County of Brant, ON

Title
SITE LAYOUT PLAN

Project No. 161011321
Scale 1:1250
Drawing No. Sheet
Revision

C-010 of

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