

Notes

- ELEVATIONS ARE GEODETIC IN ORIGIN AND ARE DERIVED FROM GPS OBSERVATIONS USING THE VRS CANMET NETWORK, AND DERIVED FROM UTM, ZONE 17, NAD83 CSRS DATUM.
- BENCHMARK: TOP OF SSBE LOCATED ON THE SOUTH LIMIT OF THE PROPERTY - ELEVATION 125.10m
- TOPOGRAPHICAL SURVEY PLAN BY M.M.B. WALLACE ONTARIO LAND SURVEYOR LTD. DATED MARCH 29, 2011
- GEOTECHNICAL INFORMATION PROVIDED BY GENAR INC. DATED JANUARY 17, 2011. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE SITE LAYOUT PLAN (C-010), THE CLEARING, GRUBBING AND FENCING PLAN (C-050), THE SITE ACCESS PROFILES (C-200 TO C-204), AND THE SITE GRADING & EROSION CONTROL PLAN (C-400 TO C-403), PREPARED BY STANTEC CONSULTING LTD.
- 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 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 TO THE MUNICIPALITY OF FORT HOPE STANDARDS.
- THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DRAINAGE AND MEASURES TO CONTROL WATER. THE SITE IS TO BE 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 LIMITS IDENTIFY AREAS WHERE ADDITIONAL ROAD WIDTH IS REQUIRED TO ALLOW FOR ADEQUATE CLEARANCE FOR CONSTRUCTION VEHICLES.
- CULVERTS ARE TO BE INSTALLED AS PER OPS5 805.010.
- 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 OPS5 201.
- TEMPORARY EROSION CONTROL TO BE COMPLETED IN ACCORDANCE WITH OPS5 571.
- GRADING TO BE COMPLETED IN ACCORDANCE WITH OPS5 206. GRANULAR MATERIAL TO BE USED IN ACCORDANCE WITH OPS5 1010.
- CULVERT TO BE CONSTRUCTED IN ACCORDANCE WITH OPS5 421. HEIGHT OF FILL TABLE FOR CSP CULVERTS TO COMPLY WITH OPS5 805.010.
- RIPRAP SHALL BE IN ACCORDANCE WITH OPS5 810.010 SECTION B-B.

Legend

PROPOSED	EXISTING

Revision	By	Appd.	YY.MM.DD

Permit-Seal

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Client/Project
PENN ENERGY RENEWABLES LTD.

PORT HOPE
10MW SOLAR FARM
The Municipality of Port Hope, ON

Title
SITE LAYOUT PLAN

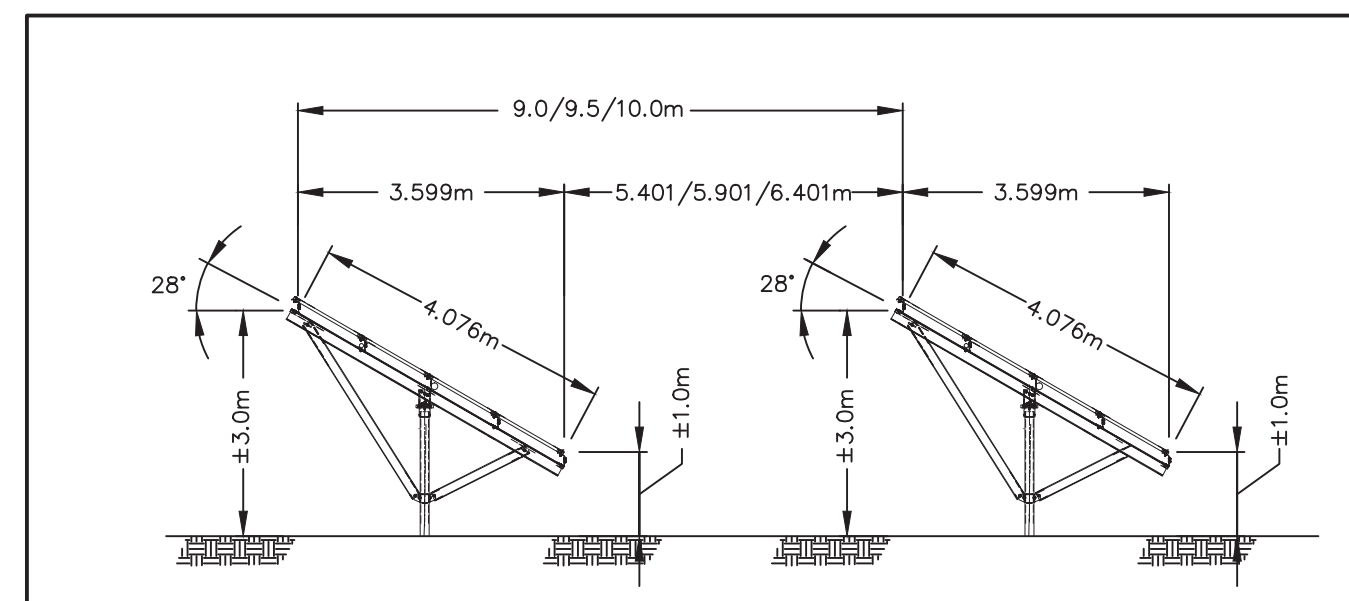
Project No. 16101323 Scale 1:2000

Drawing No. Sheet Revision

C-010 of



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.



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

SOLAR SITE POWER SUMMARY							
BLOCK	MODULE*	No. OF TABLES	No. OF STRINGS	No. OF MODULES	DC POWER (MW)	AC POWER (MW)	DC/AC RATIO (OVERBUILD)
B1	310W	228	456	8208	2.5445	1.668	1.5255
B2	310W	234	468	8424	2.6114	1.668	1.5656
B3	310W	231	462	8316	2.5780	1.668	1.5455
B4	310W	233	466	8388	2.6003	1.668	1.5589
B5	310W	233	466	8388	2.6003	1.668	1.5589
B6	310W	235	470	8460	2.6226	1.668	1.5723
TOTAL		1394	2788	50184	15.5570	10	1.5545

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