

Petition No. 1395A
Development and Management Plan Interrogatories

July 6, 2021

Petitioner Responses July 13th, 2021

1. Referring to D&M narrative item 1b, submit a schedule, without Sunday work hours, that details how the site will be cleared, grubbed, excavated, graded and rock material processed, prior to the commencement of the growing season on August 15.

RE: The Petitioner has attached the anticipated construction schedule for the sitework of the facility, based on a 6-day work week. *Exhibit A – Sitework Construction Schedule*. Due to the timing of the approvals, and the amount of sitework to be completed prior to the beginning of the August 15th through the October 15th growing season it is likely that the work will not be completed until September. The petitioner has prepared a revised schedule attached to reflect that time schedule. If Petitioner is able complete it sooner it will advise the Council.

2. Referring to D&M narrative item 1h, if Sunday work hours were approved, what activities would be performed on Sundays? What would be the anticipated Sunday work hours?

RE: The Petitioner would perform identical site work activities on Sundays that would be performed at the site throughout the normal work week. The Petitioner will restrict any rock crushing activities to weekdays to minimize weekend disturbances to neighboring parcels.

3. Would Windham Solar need approval from the DEEP Stormwater Division to extend the commencement of the growing season if the August 15 schedule cannot be adhered to?

RE: Yes. While the Petitioner is still anticipating decent growth of vegetation and stabilization during the fall of 2021, depending on the establishment of groundcover, the petitioner may request an earlier start date of solar facility construction than would otherwise be required under the current registration. The Petitioner would work directly with DEEP on fulfilling this request.

4. Referring to D&M Site Plan Sheet 10, Construction Sequence Notes 8, 9 & 10, what is the anticipated time interval between stabilization of Watershed Area #1 and the commencement of work within Watershed Area #2?

RE: Per the revised anticipated construction schedule, the Petitioner is forecasting approximately 30 days from commencement of sitework construction to the stabilization of Watershed Area #1. Once stabilized the Petitioner plans on immediately transitioning sitework construction to Watershed Area #2.

5. Referring to D&M Site Plan Sheet 3 – Project Summary lists 6,136 modules to be installed; however, the callouts on the site plan lists 5,352 modules. Clarify the discrepancy.

RE: The Petitioner is currently planning for 4860 modules based on the Trina 475-watt module. The site plan sheet 3 has been attached as *Exhibit B -Benz Site Plan Sheet 3 rev 10*, with the following project Summary. These values may change by the submission of the electrical portion of the D&M Plan, however modules will still stay within the solar module envelope.

BENZ SOLAR PROJECT SUMMARY

TOTAL MODULE QUANTITY = 4,860 MODULES

TOTAL SYSTEM RATING (DC-STC) = 2.31 MW

TOTAL SYSTEM RATING (AC) = 1.99 MW

ARRAY #01 = 1000 KW-AC

ARRAY #02 = 999 KW-AC

TOTAL DC:AC SYSTEM RATIO ~ 1.15

6. Referring to D&M Site Plan Sheet 4, is grading proposed around the capped well? Will the well be removed or abandoned in place?

RE: The capped well will be abandoned in place.

7. Due to more extensive grading than was originally specified on the initial site plans, does WS expect to import topsoil to the site to attain the specified soil depths? If so, estimate the quantity of topsoil that will be imported to the site.

RE: No. The total area to be graded for the facility is 4.45 Acres (194,000 Square Feet). The petitioner is assuming that 65% of that area, contains suitable topsoil, that can be stripped and reused.

The Petitioner has also investigated the site with several soil test pits, topsoil depths ranged from 7" to 16". For the requested calculation, the petitioner has assumed a conservative average depth of 10".

Therefore the total volume of existing topsoil on the site is as follows:

$$[194,000\text{sf} \times (10"/12")] \times 65\% = 105,200 \text{ cu ft}$$

The civil documents require a minimum of 4" of topsoil to be placed for vegetation establishment.

Therefore the total volume of necessary topsoil to restore the site is as follows:

$$[194,000\text{sf} \times (4"/12")] = 64,700 \text{ cu ft}$$

The average depth of existing on site topsoil placement would be as follows:

$$105,200 \text{ cu ft} / 194,000\text{sf} = 0.54 \text{ ft}$$

Given the calculation above the petitioner could place between 6"-7" of on site topsoil throughout the grading footprint, without importing topsoil to the project.

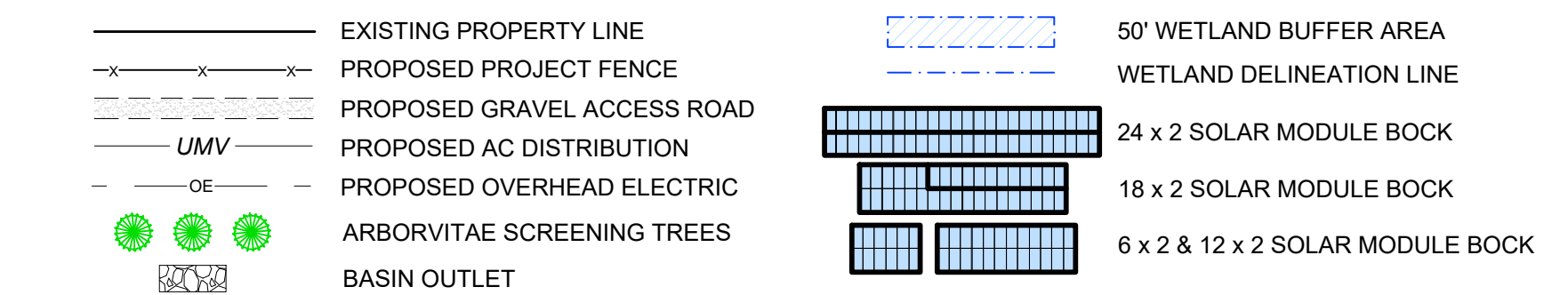


31 Benz Sitework Schedule

Task Name	Duration	Start Date	End Date
1 <input type="checkbox"/> Site Work	288d	07/15/21	06/15/22
2 Building Permit Application, Local Approvals & Contract Execution	14d	07/15/21	07/30/21
3 Mobilization	3d	07/28/21	07/30/21
4 Tree Clearing Watershed 1 Area	7d	07/28/21	08/04/21
5 Tree Clearing Watershed 2 Area	5d	08/05/21	08/10/21
6 Perimeter Erosion Control Install	5d	08/03/21	08/07/21
7 Grub, Grade, Remove Rock and Stabilize Basin 1	10d	08/05/21	08/16/21
8 Mobilize and Set up Rock Crusher	3d	08/09/21	08/11/21
9 Rock Crushing Operation	29d	08/12/21	09/14/21
10 Grub, Grade, Remove Rock and Stabilize Watershed 1 Area	20d	08/17/21	09/08/21
11 Grade and Stabilize Basin 1 Swale	5d	08/17/21	08/21/21
12 Grub, Grade and Stabilize Basin 2	7d	09/09/21	09/16/21
13 Grub, Grade, Remove Rock and Stabilize Watershed 2 Area	10d	08/23/21	09/02/21
14 Grade Basin 2 Swale and Install Driveway Culvert	5d	09/17/21	09/22/21
15 Demobilize Rock Crusher	3d	09/15/21	09/17/21
16 Grade, and Stabilize Rock Crushing Area	5d	09/18/21	09/23/21
17 Install Perimeter Landscaping Screening	15d	09/09/21	09/25/21
18 Install Perimeter Fencing	12d	09/15/21	09/28/21
19 Spring Site Seeding and Spot Stabilization	14d	03/15/22	03/30/22
20 Growth Season as required by DEEP	65d	04/01/22	06/15/22
21 Begin Solar Facility Construction	1d	06/16/22	06/16/22

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LEGEND:



PROJECT INFORMATION:

EXISTING ZONING : R
 PROPOSED USE : SPECIAL COMMERCIAL

SPECIFIC SITE NOTES:

- NO LIGHTING PROPOSED WITH THE PROJECT
- NO AUDIBLE NOISE GREATER THAN THE SITES EXISTING AMBIENT NOISE LEVEL SHALL BE DETECTABLE AT OR BEYOND THE PROPERTY LINE OF THE PROJECT
- EMERGENCY VEHICULAR & SITE ACCESS TO BE PROVIDED TO ALL LOCAL RESPONDERS (POLICE, FIRE, ETC..)

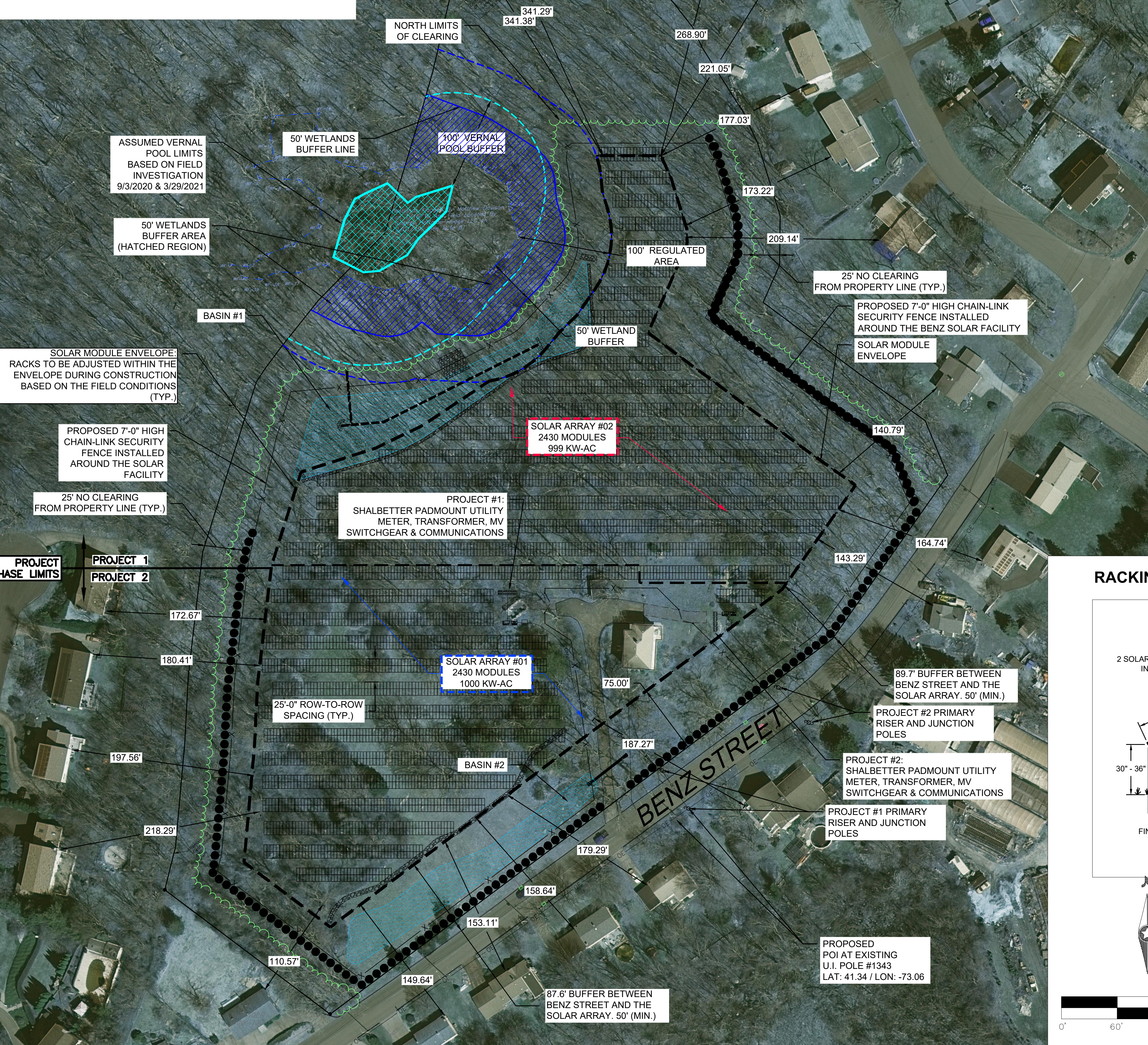
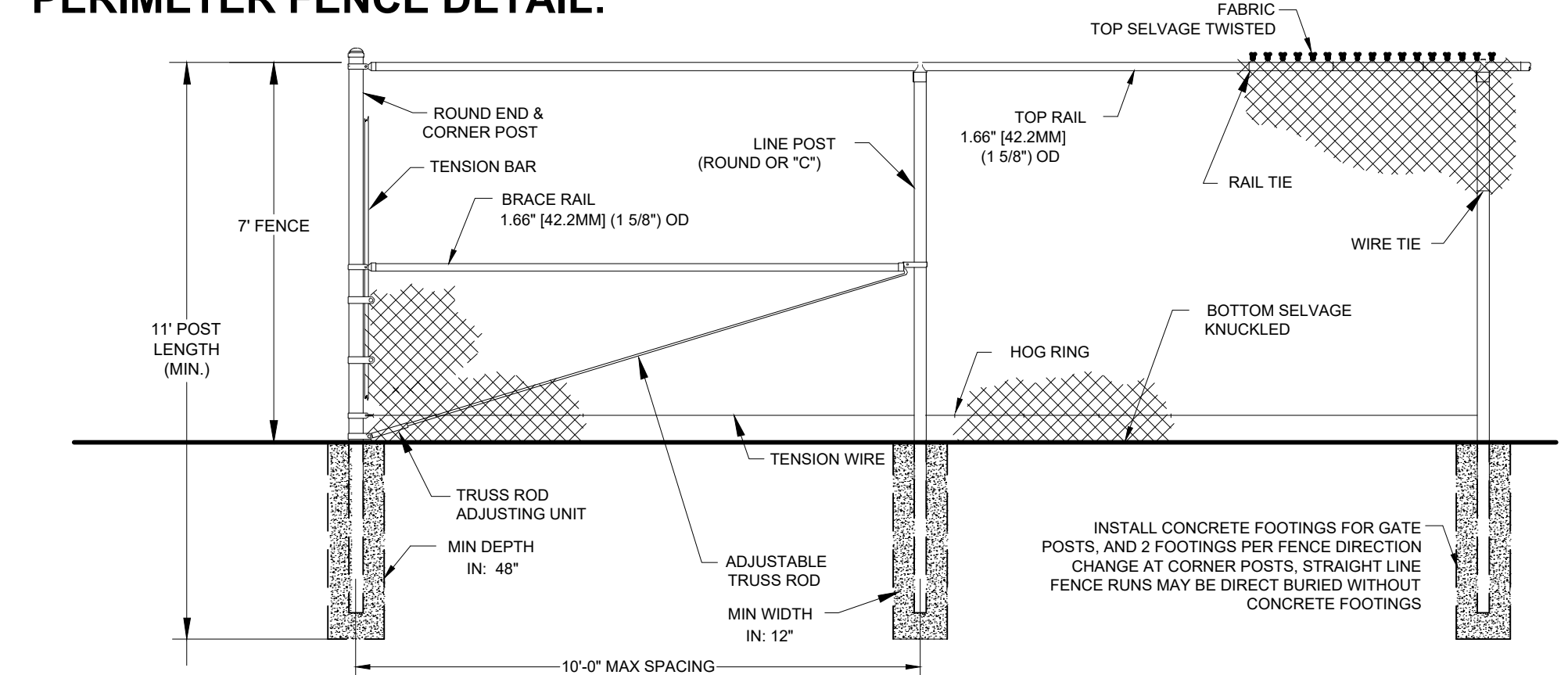
PROJECT AREAS & IMPACTS:

TOTAL SITE AREA = 12.72 ACRES
 TOTAL SITE CLEARING = ±9.0 ACRES
 TOTAL ARRAY FOOTPRINT (FENCE LIMITS) = 8.38 ACRES
 TOTAL PROPOSED IMPERVIOUS: GRAVEL ACCESS ROAD, STRUCTURAL POSTS & EQUIPMENT PADS = 0.12 ACRES
 SOLAR MODULES EFFECTIVE IMPERVIOUS = 0.65 ACRES

EASTERN BOX TURTLE PROTECTION

EASTERN BOX TURTLES MAY BE PRESENT IN THE PROJECT AREA. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE AWARE OF THE EASTERN BOX TURTLE PROTECTION PLAN AND ADHERE TO THE REQUIREMENTS OUTLINED IN THE PLAN.

PERIMETER FENCE DETAIL:



SOLAR MODULE ENVELOPE: RACKS TO BE ADJUSTED WITHIN THE ENVELOPE DURING CONSTRUCTION BASED ON THE FIELD CONDITIONS (TYP.)

PROPOSED 7'-0" HIGH CHAIN-LINK SECURITY FENCE INSTALLED AROUND THE SOLAR FACILITY

25' NO CLEARING FROM PROPERTY LINE (TYP.)

PROJECT PHASE LIMITS

25'-0" ROW-TO-ROW SPACING (TYP.)

25' NO CLEARING FROM PROPERTY LINE (TYP.)
 PROPOSED 7'-0" HIGH CHAIN-LINK SECURITY FENCE INSTALLED AROUND THE BENZ SOLAR FACILITY
 SOLAR MODULE ENVELOPE

SOLAR ARRAY #02
 2430 MODULES
 999 KW-AC

PROJECT #1:
 SHALBETTER PADMOUNT UTILITY METER, TRANSFORMER, MV SWITCHGEAR & COMMUNICATIONS

SOLAR ARRAY #01
 2430 MODULES
 1000 KW-AC

89.7' BUFFER BETWEEN BENZ STREET AND THE SOLAR ARRAY. 50' (MIN.)

PROJECT #2 PRIMARY RISER AND JUNCTION POLES

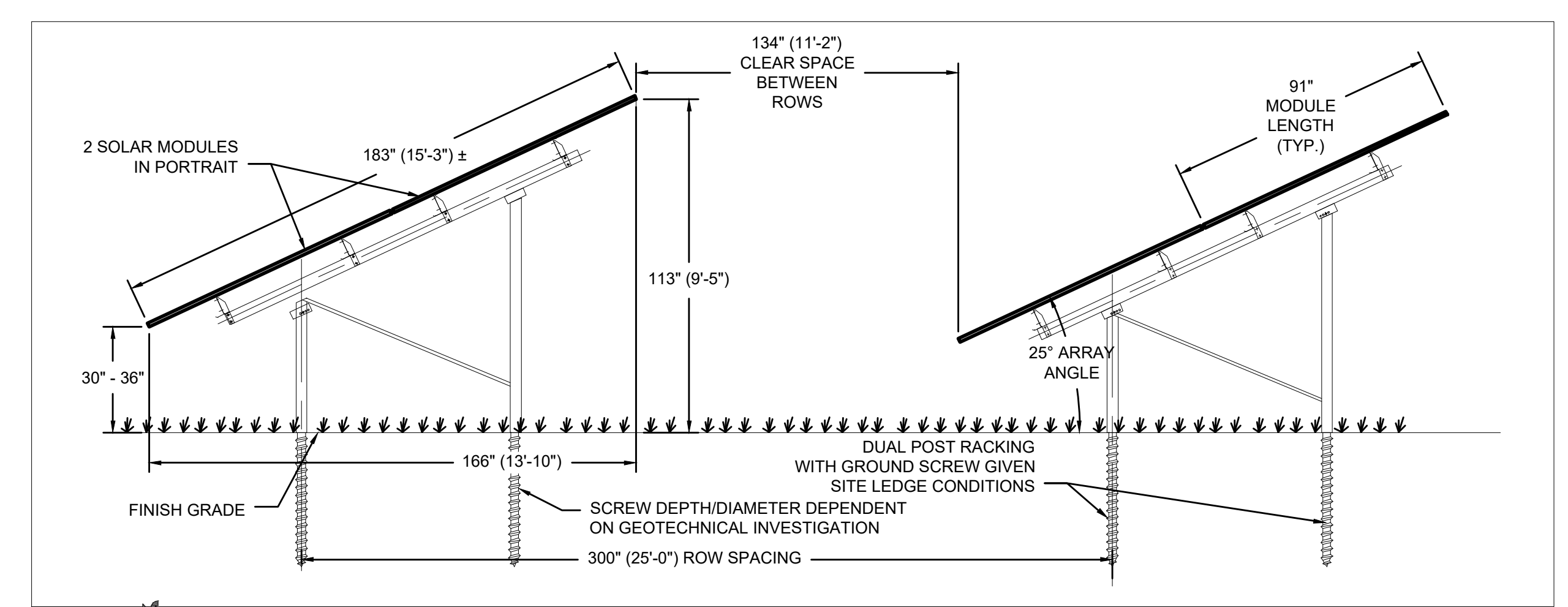
PROJECT #2:
 SHALBETTER PADMOUNT UTILITY METER, TRANSFORMER, MV SWITCHGEAR & COMMUNICATIONS

PROJECT #1 PRIMARY RISER AND JUNCTION POLES

PROPOSED POI AT EXISTING U.I. POLE #1343
 LAT: 41.34 / LON: -73.06

87.6' BUFFER BETWEEN BENZ STREET AND THE SOLAR ARRAY. 50' (MIN.)

RACKING PROFILE DETAIL:



No.	Date	Revision
10	7/15/2021	MODULE COUNTS
9	6/24/2021	MISC. UPDATES AND REVISIONS
8	5/24/2021	MISC. UPDATES AND REVISIONS
7	4/15/2021	MISC. UPDATES AND REVISIONS
6	3/23/2021	MISC. UPDATES AND REVISIONS
5	3/17/20	MISC. UPDATES AND REVISIONS PER CSC
4	7/24/20	MISC. UPDATES AND REVISIONS
3	3/23/20	2 NEW CSC SUBMISSION
2	2/17/20	REVISED HYDROLOGY
1	2/11/20	CSC SUBMISSION

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Project No. CLA-6430
 Proj. Engineer E.M.B.
 Date: 2/11/2020
 Sheet No. 3

BENZ STREET SOLAR

SITE PLAN

