

### **Bear Peak Power Overview**

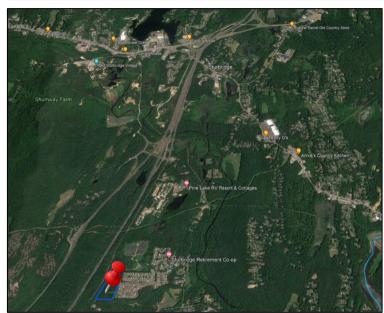
Bear Peak Power is a renewable energy development company focused on distributed generation and utility scale solar solutions. We are lead by a team that holds over 40 years of combined energy industry experience. The company has successfully developed over 85 Megawatts in five different states and we have 500+ Megawatts under active development.

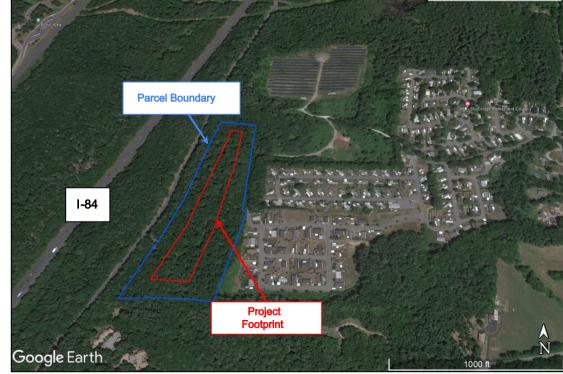






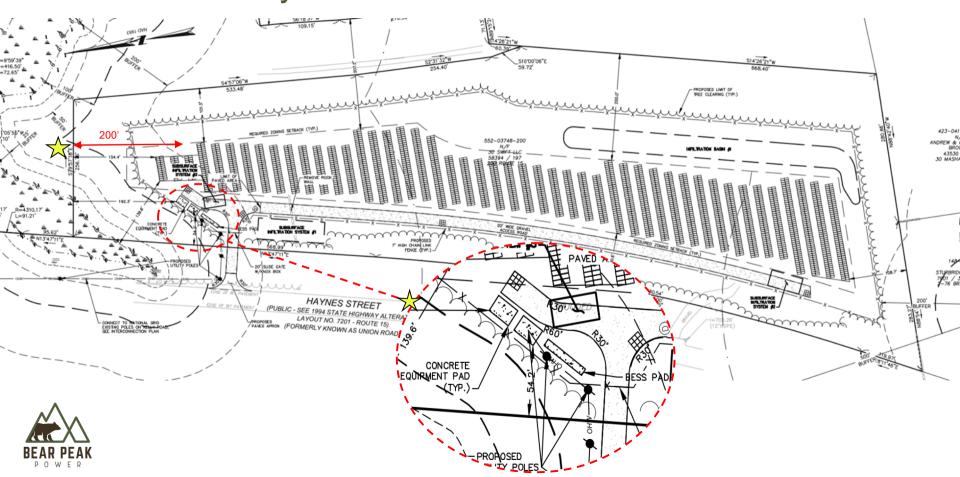
# **Location and Layout**



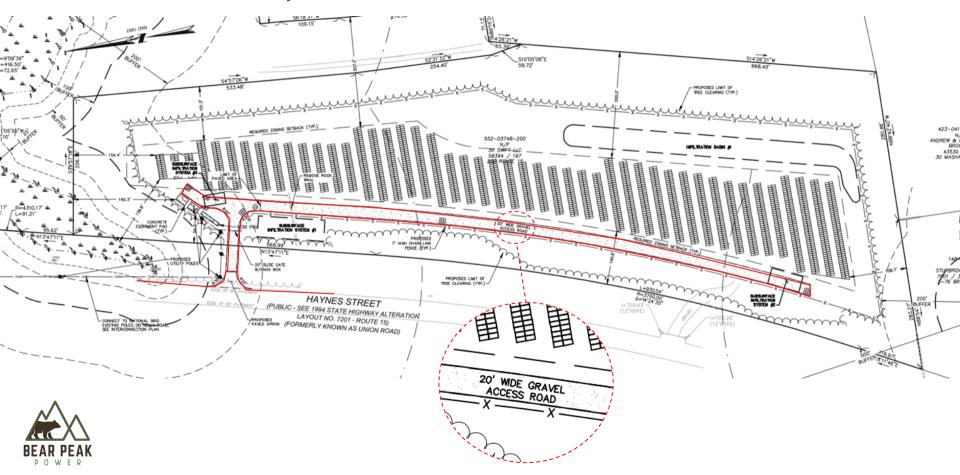




# **Location and Layout**

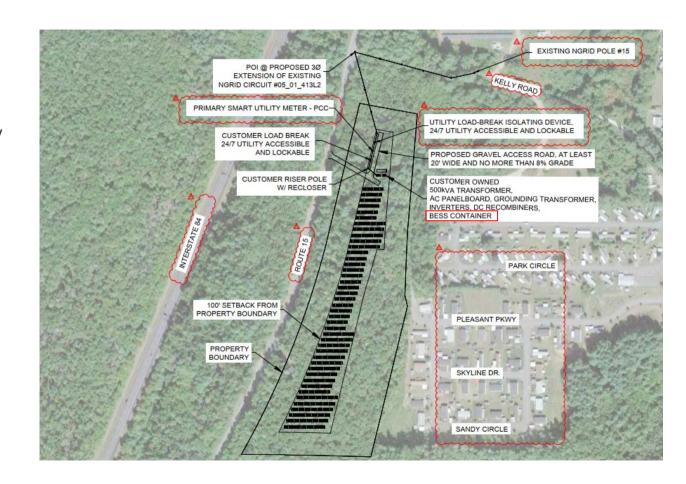


# Site Access/ia Haynes Street



### Interconnection

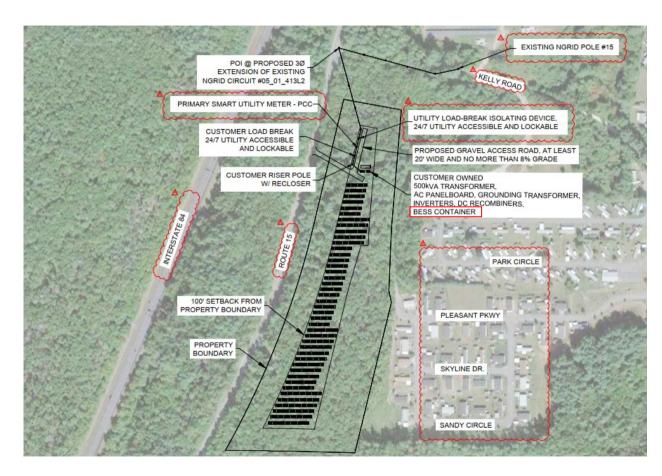
- Point of interconnection located NW of project area.
- The project will connect by extending the nearby existing circuit owned by National Grid.
- Project expected to complete interconnection screening by Q1 2024.
- Estimated utility
   permission to operate
   date is as early as Q1
   2025.





# **Visual Mitigation**

 Because the site area is surrounded by existing trees, no further visual mitigation is anticipated at this time.





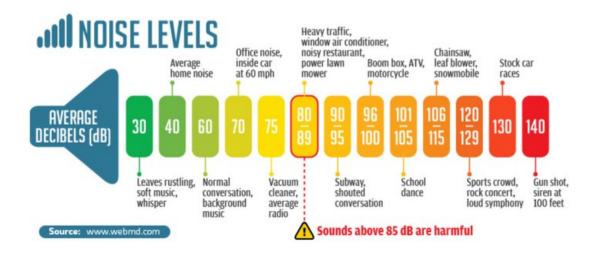
# Project Details: Traffic, Site Access, & Safety

- Upon commencement of construction, an average of 15 vehicles will be entering and exiting the site, per day, throughout the 3 to 6 months it will take to complete construction.
- During the first year, there will be approximately 1 visit per month to the project site. Beyond that, the project will require up to 2 visits per year to maintain vegetation and up to 2 visits per year to inspect the physical condition of the solar project.
- The project does not require physical presence to operate on a daily basis. Instead the project will be remotely monitored to ensure reliable and safe performance.
- As mentioned previously, an access road will be constructed with the array. This will provide seamless access to the site for any necessary emergency vehicles and personnel.
- Local emergency personnel will be trained on how to deal with any issues that may arise with the system.



# Project Details: Noise Analysis

- The highest level of noise produced by any piece of equipment on site is from the inverters which is a
  maximum of 65 dBA when standing 3 feet away from the inverter. When standing 50 feet away from
  the inverter, this is equivalent to a maximum of 40.56 dBA, or the average home noise.
- No noise is created when the sun is down at night.



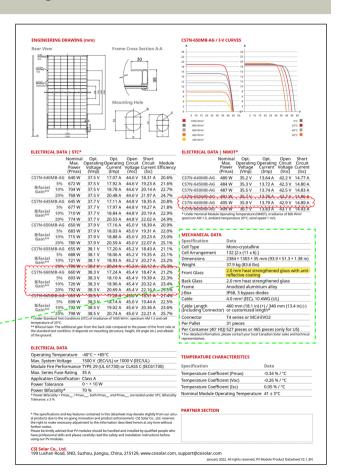


# Project Details: Glare Analysis

- All of the proposed solar panels contain a manufacturer specified 2.0 mm heat strengthened front glass with anti reflective coating. This will ensure that no sunlight is reflected onto surrounding properties.
- The project completed screening by the Federal Aviation Administration and resulted in a determination of no hazard to air navigation.

MECHANICAL DATA	
Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	132 [2 x (11 x 6) ]
Dimensions	2384 × 1303 × 35 mm (93.9 × 51.3 × 1.38 in)
Weight	37.9 kg (83.6 lbs)
Front Glass	2.0 mm heat strengthened glass with anti- reflective coating
Back Glass	2.0 mm heat strengthened glass
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4.0 mm <sup>2</sup> (IEC), 10 AWG (UL)
Cable Length (Including Connector)	460 mm (18.1 in) (+) / 340 mm (13.4 in) (-) or customized length*
Connector	T4 series or MC4-EVO2
Per Pallet	31 pieces
	527 pieces or 465 pieces (only for US)
* For detailed information, plo representatives.	ease contact your local Canadian Solar sales and technical

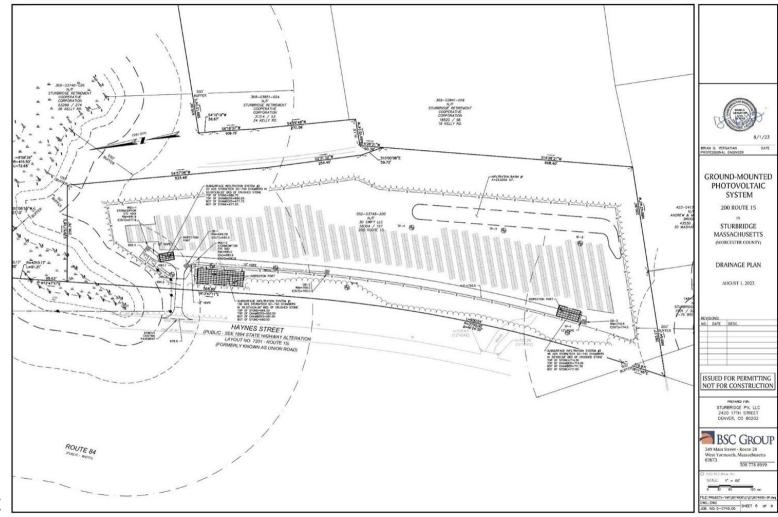




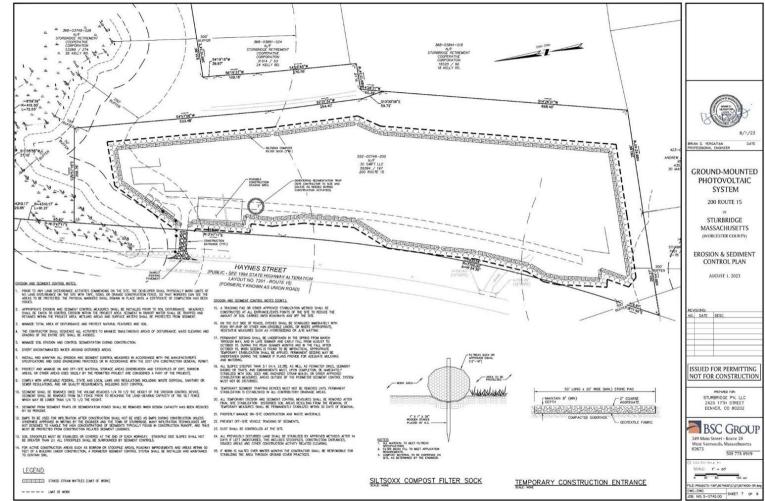
# Project Details: Decommissioning

- Decommissioning = removal of the system and restoration of the site.
  - o Includes: solar panels, racking system, transformers, inverters, wires, cables, access roads, etc.
- What triggers the system to be decommissioned?
  - End of the operational term of the solar project, typically 20 to 35 years.
- All equipment and materials will be sorted on site and transported off site for recycling, refurbishing or disposal. The decommissioning process will be paid for by the project owner.
- Lease agreement obligates tenant to completely decommission the project and restore the site.
- Financial assurance to decommission the system, typically in the form of a surety bond











# **Next Steps**

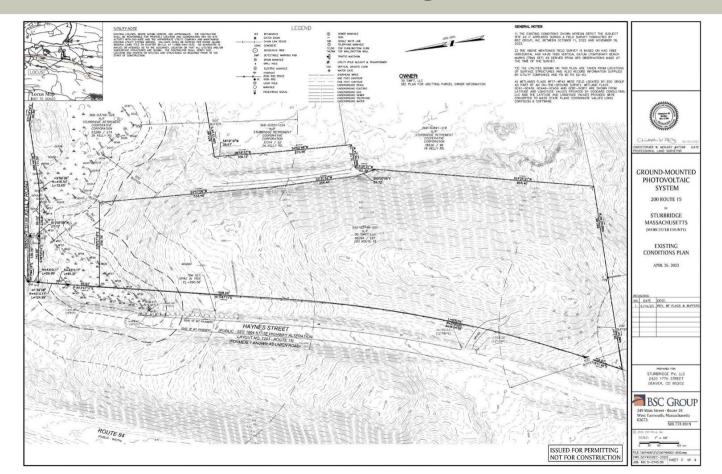
- Site plan adjustments and approval
- Execute an Interconnection Agreement with National Grid upon completion of interconnection studies
- Work towards PILOT agreement with the Town of Sturbridge
- Set up a Decommissioning Bond with the Town of Sturbridge



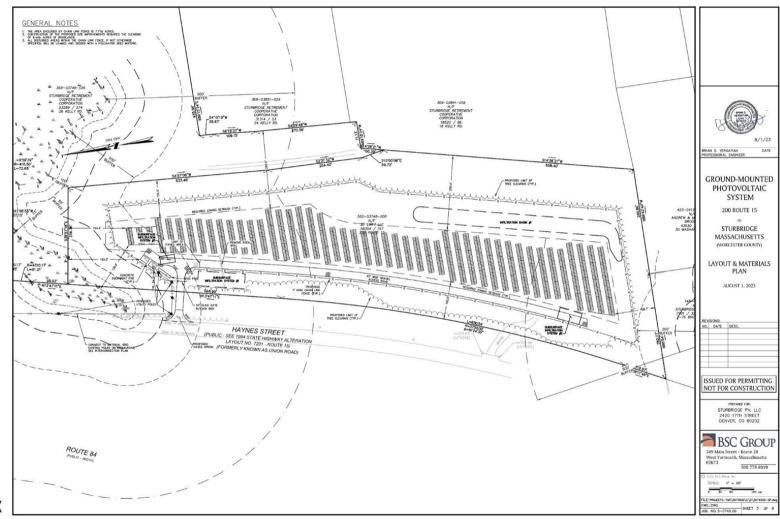
# **Appendix**



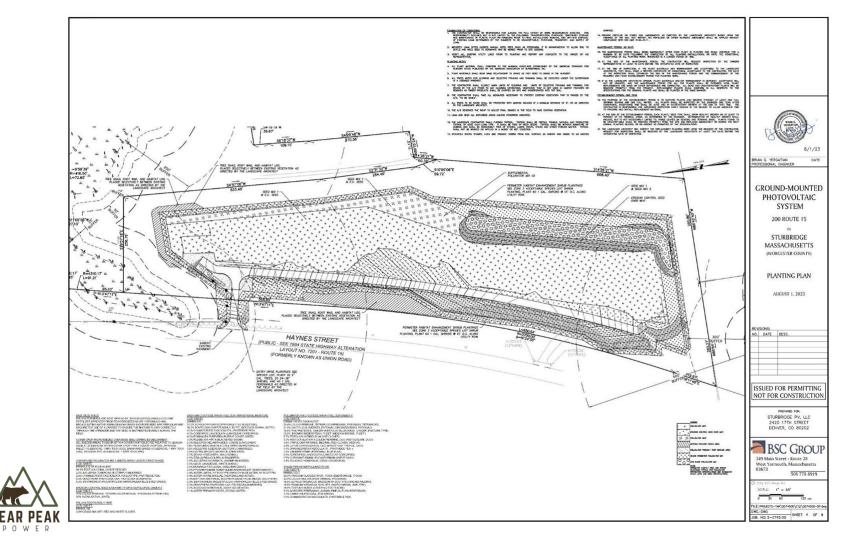
# Civil Design

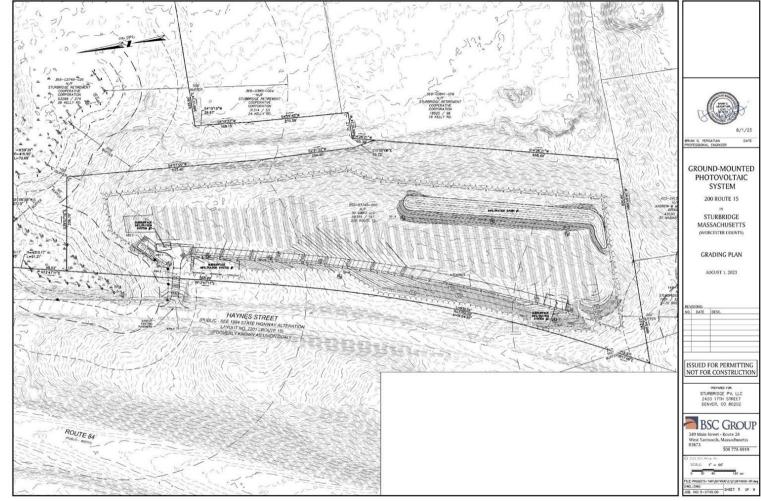






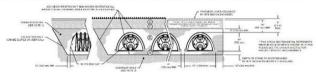






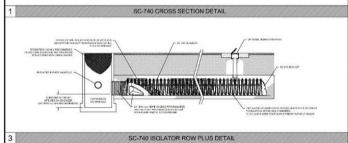


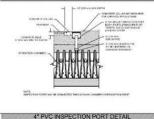
### ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS MATERIAL LOCATION COMPACTION / DENSITY REQUIREMENT PRIME FILL FILL MATERIAL FOR LAYER O'STARTS FROM THE TOP ON THE YOLKHING TO THE BOTTOM OF PLENING. PARCENT OF LEWIS TO THE BOTTOM OF PLENING. PARCENT OLISINGS THE OF PLAY OF THE YOLK THAT PRIPARE PER TITE CERSON REGISERERS PLANS. FAURD INSTALLATIONS MAY FAVIC STRONGEST MATCHING RIG PROPAGATION REGISERATES F SOLUTION INTEREST, NATURE SOUS, OR FEE ENGINEER'S PLA-THAP'S IN AND SOR PROCEEDS TO BROADE REQUIREMENTS. MOST PROEMENT SUBBASE WATERWAY CAN BE USED IN USE OF THE AASHTO MAY 3 387 4 467 5 56,57,6 57,68 7 70,67 89,3 10 PRINCIPLE STORE THE SUPPOSITION THE CHARGEST THE CHARGEST THE COUNTY OF CLOS CRUSHED MINUSCRIPTORS AASHTO BKS\* 2. 207. 4. 467. 3, 66, 67 ADDOMPHICTOR/PROJERO CLEAN COLUMN AND ASSESSED. as all comment on their to equation a relationships.



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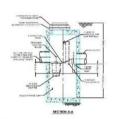




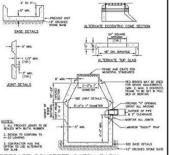
### NOTES-

- LIGHT EARTH MOVING EQUIPMENT IS TO BE USED DURING CONSTRUCTION TO REDUCE COMPACTION OF BASIN BOTTOM.
- 2. BASIN FLOOR IS TO BE DEEPLY TILLED AFTER FINAL GRADING.
- PROPER EROSION SEGMENT CONTROLS SHOULD BE UTBUZED DURING CONSTRUCTION TO PREVENT SEDMENT AND/OR DESIRS FROM ENTERING THE BASIN. 4. 75% OF RP-RAP STONE SHALL BE 70 - 100 lbs.

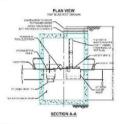
### INFILTRATION BASIN CROSS-SECTION



- THE REPORT OF THE PROPERTY OF
- STORMCEPTOR STC 450i



### PRECAST CONCRETE CATCH BASIN



- The Control of the Co
  - STORMCEPTOR STC 900



PROFESSIONAL ENGINEER

### GROUND-MOUNTED PHOTOVOLTAIC SYSTEM

200 ROUTE 15

STURBRIDGE MASSACHUSETTS (WORCESTER COUNTY)

DETAIL SHEET

AUGUST 1, 2023

REVISIONS: NO. DATE DESC.

### ISSUED FOR PERMITTING NOT FOR CONSTRUCTION

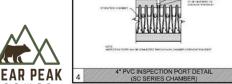
STURBRIDGE PV. LLC 2420 17TH STREET DENVER, CO 80202

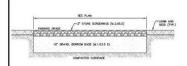


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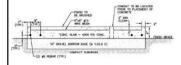
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### GRAVEL DRIVEWAY



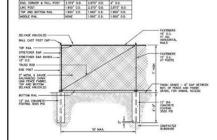
### TRANSFORMER PAD



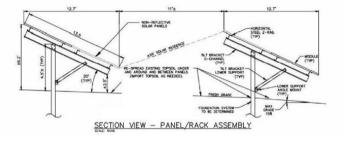
NOTE:

PAYEMENT SECTIONS ARE SUBJECT TO CHANGE AND WAY BE BASED ON THE RESULTS OF GEOTECHNICAL INVESTIGATIONS.

### HOT MIX ASPHALT PAVEMENT SECTIONS









BRIAN G. YERGATIAN PROFESSIONAL ENGINEER

### GROUND-MOUNTED PHOTOVOLTAIC SYSTEM

200 ROUTE 15

STURBRIDGE MASSACHUSETTS

DETAIL SHEET II

AUGUST 1, 2023

REVISIONS:		
NO.	DATE	DESC.

### ISSUED FOR PERMITTING NOT FOR CONSTRUCTION

PREPARED FOR STURBRIDGE PV, LLC 2420 17TH STREET DENVER, CO 80202



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SCALE: NOT TO SCALE

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JOB. NO: 5-0745.00
SHEET 9 OF 9



# **Project Details: Community Benefits**

- Renewable energy added to the local grid
- Low-impact development
- Helps residents save money over time by stabilizing electricity prices
- Local investment, including job creation, during construction and development
- Tax revenue



