

## 18.0 SOLID WASTE

Construction of Three Rivers Solar Power Project will generate up to an estimated 2,220 cubic yards of solid waste during construction to be disposed off-site and 2,500 cubic yards of solid waste to be disposed on-site. Off-site disposal solid waste will be generated from packaging of the equipment that is being installed, including: the solar panels, the 34.5-kV electrical collector lines, the electrical inverters, the substation transformer and the substation construction. On-site disposal solid waste will be generated from stump removal. Any waste produced will be handled as described below.

### 18.1 Commercial Solid Waste Facility

It is anticipated that when the Three Rivers Solar Power becomes fully operational, the Project will generate a negligible amount of solid waste.

### 18.2 Off-Site Disposal of Construction Debris

The proposed project will generate approximately 2,220 cubic yards (123 tons) of construction debris per lot. All construction debris will be disposed of at the Juniper Ridge landfill, which is licensed to accept this type of waste. Juniper Ridge landfill also has the means of capacity to accept this volume of waste. See Exhibit 18-1 for an acceptance letter from Casella to support the disposal of waste at the Juniper Ridge Landfill.

### 18.3 On-Site Disposal of Woodwaste of Land Clearing Debris

Construction of the facility will generate roughly 2,500 cubic yards (390) tons of organic waste from stumps. Three Rivers Solar Power proposes to grind the stumps on site and then mix the by-product with the appropriate materials to make an erosion control mixture to be used on site. The remaining stump grindings will be spread on-site at a 2-inch thickness. See Exhibit 18-2 for a site plan with spread areas identified.

If conditions allow, some stumps may also be burned and ashes buried. See Exhibit 18-2 for a site plan with a proposed one-acre burn and disposal area identified.

### 18.4 Hazardous Waste

The proposed Project will not generate any hazardous waste during construction or operation.

**Exhibit 18-1**  
Off-Site Solid Waste Acceptance Letter



Operated By NEWSME Landfill Operations, LLC

October 04, 2019

Lucy Fowler  
Swift Current Energy, LLC  
Three Rivers Solar Power, LLC  
89 Main Street  
Yarmouth, ME 04096

**RE: Juniper Ridge Landfill Disposal Capacity**

Dear Ms. Fowler,

Juniper Ridge Landfill (JRL) is a State of Maine owned non-hazardous solid waste disposal facility that has the ability and capacity to accept the approximately 2220 cubic yards of in-state construction and demolition debris expected to be produced from the proposed Three Rivers Solar project.

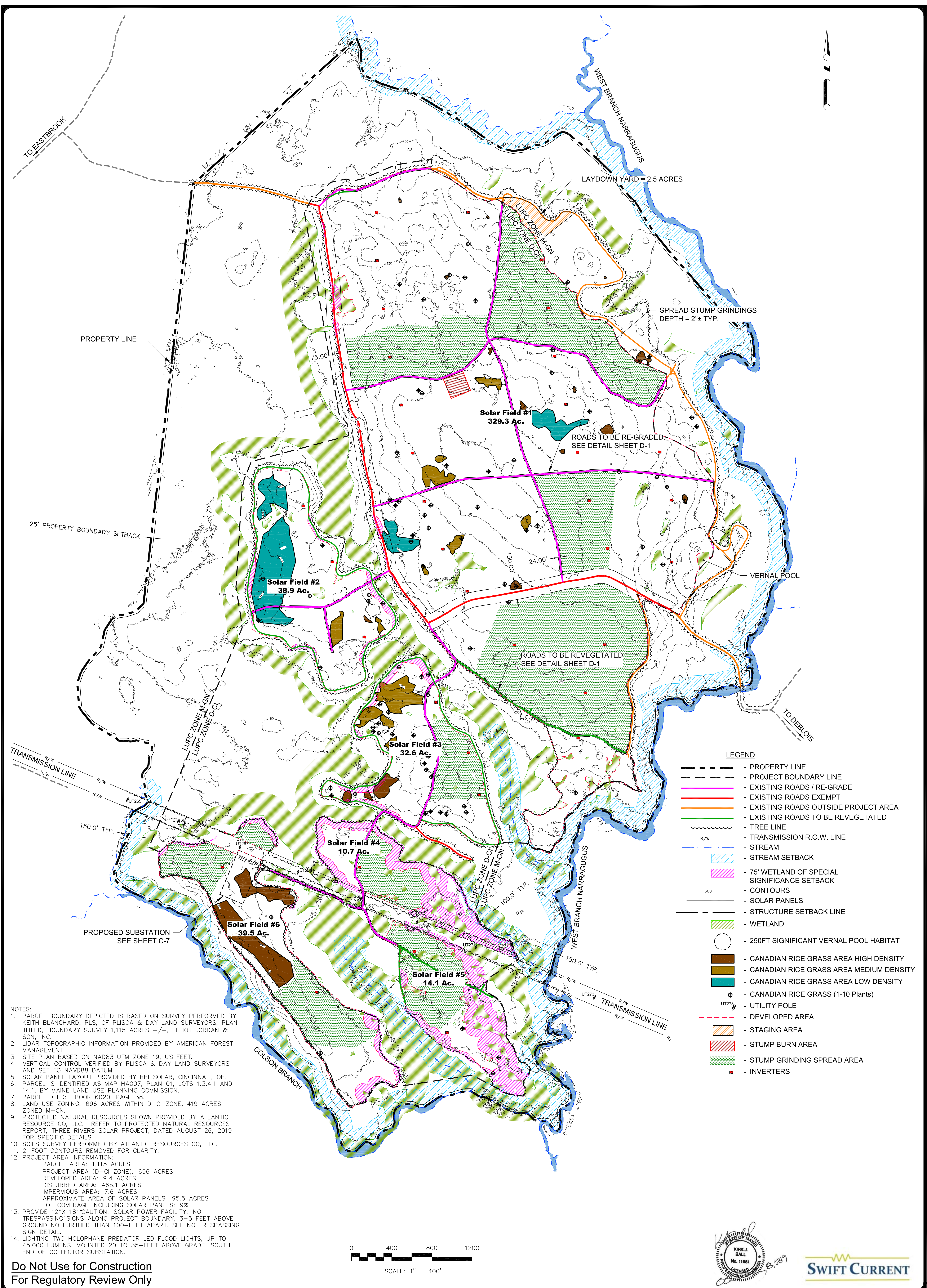
As of September 26, 2019, JRL has roughly 1,473,000 cubic yards of capacity remaining in its currently constructed Cells 1-11. Also permitted but not yet constructed (Cells 12-16), is another roughly 7,890,000 cubic yards, which brings the total remaining permitted site capacity to roughly 9,363,000 cubic yards, under Maine Solid Waste licenses #S-20700-WD-7A-A-N (Amended #S-020700-WD-N-A) and #S-020700-WD-BI-N.

Sincerely,

NEWSME Landfill Operations, LLC

Jeffrey Pelletier  
*Environmental Manager*

**Exhibit 18-2**  
Three Rivers Solar On-Site Solid Waste Disposal Locations

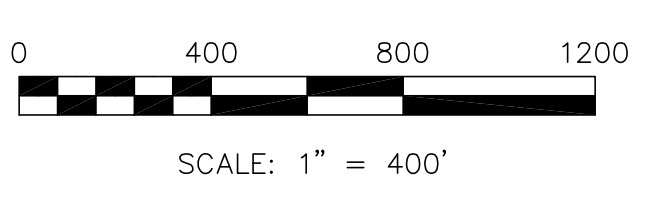


NOTES:

1. PARCEL BOUNDARY DEPICTED IS BASED ON SURVEY PERFORMED BY KEITH BLANCHARD, PLS, OF PLUSGA & DAY LAND SURVEYORS, PLAN TITLED: BOUNDARY SURVEY 1,115 ACRES +/-, ELLIOT JORDAN & SON, INC.
2. LIDAR TOPOGRAPHIC INFORMATION PROVIDED BY AMERICAN FOREST MANAGEMENT.
3. SITE PLAN BASED ON NAD83 UTM\_ZONE 19, US FEET.
4. VERTICAL CONTROL VERIFIED BY PLUSGA & DAY LAND SURVEYORS AND SET TO NAVD88 DATUM.
5. SOLAR PANEL LAYOUT PROVIDED BY RBI SOLAR, CINCINNATI, OH.
6. PARCEL IS IDENTIFIED AS MAP H4007, PLAN 01, LOTS 1,3,4,1 AND 14,1, BY MAINE LAND USE PLANNING COMMISSION.
7. PARCEL DEED: BOOK 6020, PAGE 38.
8. LAND USE ZONING: 696 ACRES WITHIN D-CI ZONE, 419 ACRES ZONED M-GN.
9. PROTECTED NATURAL RESOURCES SHOWN PROVIDED BY ATLANTIC RESOURCE CO, LLC. REFER TO PROTECTED NATURAL RESOURCES REPORT, THREE RIVERS SOLAR PROJECT, DATED AUGUST 26, 2019 FOR SPECIFIC DETAILS.
10. SOILS SURVEY PERFORMED BY ATLANTIC RESOURCES CO, LLC.
11. 2-FOOT CONTOURS REMOVED FOR CLARITY.
12. PROJECT AREA INFORMATION:  
 PARCEL AREA: 1,115 ACRES  
 PROJECT AREA (D-CI ZONE): 696 ACRES  
 DEVELOPED AREA: 9.4 ACRES  
 DISTURBED AREA: 465.1 ACRES  
 IMPERVIOUS AREA: 7.6 ACRES  
 APPROXIMATE AREA OF SOLAR PANELS: 95.5 ACRES  
 LOT COVERAGE INCLUDING SOLAR PANELS: 9%
13. PROVIDE 12" X 18" CAUTION: SOLAR POWER FACILITY: NO TRESPASSING SIGNS ALONG PROJECT BOUNDARY, 3-5 FEET ABOVE GROUND NO FURTHER THAN 100-FOOT APART. SEE NO TRESPASSING SIGN DETAIL.
14. LIGHTING TWO HOLOPHANE PREDATOR LED FLOOD LIGHTS, UP TO 45,000 LUMENS, MOUNTED 20 TO 35- FEET ABOVE GRADE, SOUTH END OF COLLECTOR SUBSTATION.

- LEGEND**
- PROPERTY LINE
  - PROJECT BOUNDARY LINE
  - EXISTING ROADS / RE-GRADE
  - EXISTING ROADS EXEMPT
  - EXISTING ROADS OUTSIDE PROJECT AREA
  - EXISTING ROADS TO BE REVEGETATED
  - TREE LINE
  - TRANSMISSION R.O.W. LINE
  - STREAM
  - STREAM SETBACK
  - 75' WETLAND OF SPECIAL SIGNIFICANCE SETBACK
  - CONTOURS
  - SOLAR PANELS
  - STRUCTURE SETBACK LINE
  - WETLAND
  - 250FT SIGNIFICANT VERNAL POOL HABITAT
  - CANADIAN RICE GRASS AREA HIGH DENSITY
  - CANADIAN RICE GRASS AREA MEDIUM DENSITY
  - CANADIAN RICE GRASS AREA LOW DENSITY
  - CANADIAN RICE GRASS (1-10 Plants)
  - UTILITY POLE
  - DEVELOPED AREA
  - STAGING AREA
  - STUMP BURN AREA
  - STUMP GRINDING SPREAD AREA
  - INVERTERS

Do Not Use for Construction  
For Regulatory Review Only



Sheet 4 of 12  
Drawing No.: C-3  
Job Number: 80900

**Three Rivers Solar Project**  
Proposed Conditions without Solar Panels  
  
Three Rivers Solar  
Township 16 MD  
Hancock County, ME.

**ACHERON ENGINEERING SERVICES**  
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Drwn By: BPG  
Desg By: BPG / KJB  
Chkd By: KJB  
Aprvd By: KJB  
Date: 10/8/2019

No.	Revision Description	Drwn	Chkd	Date