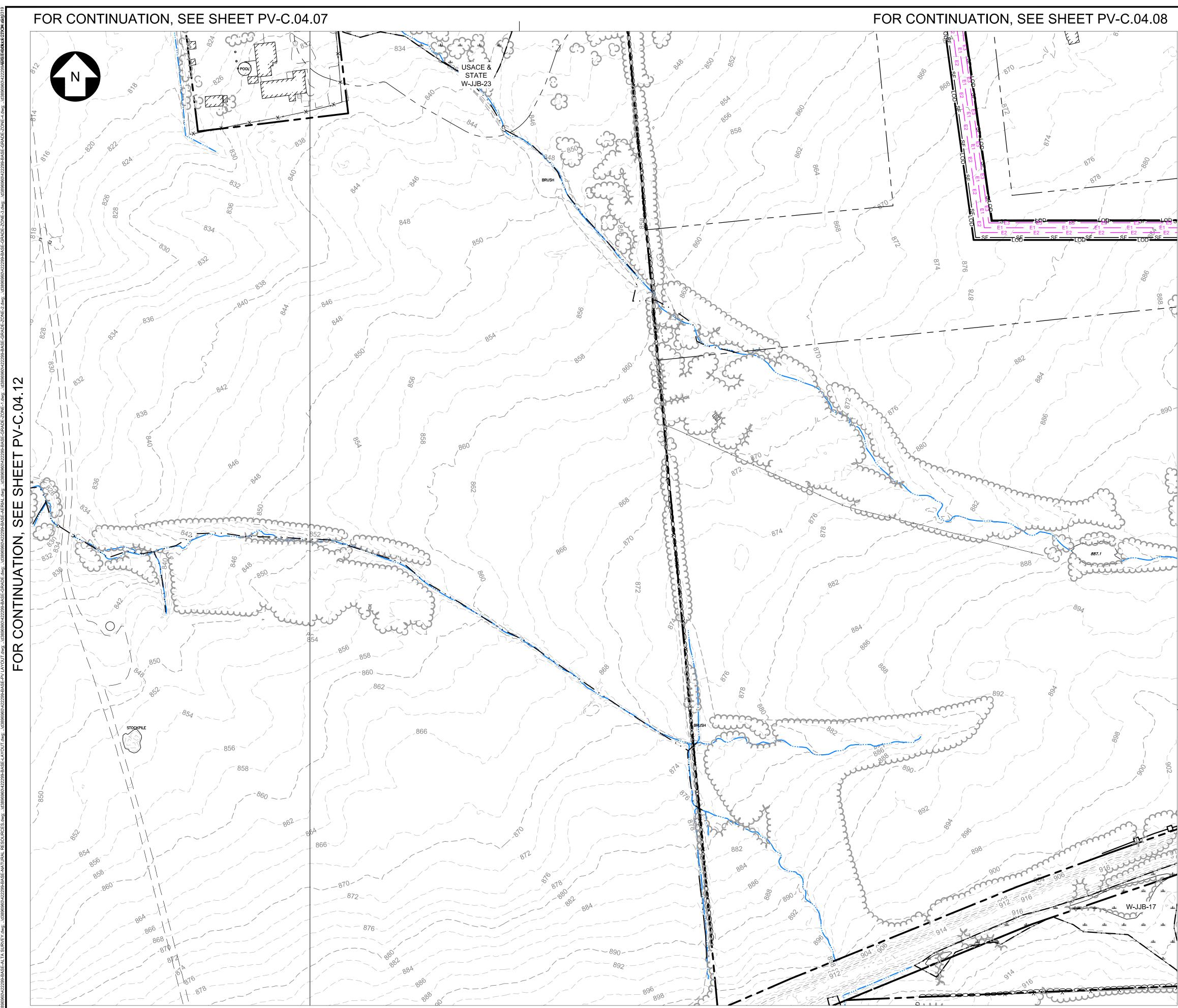


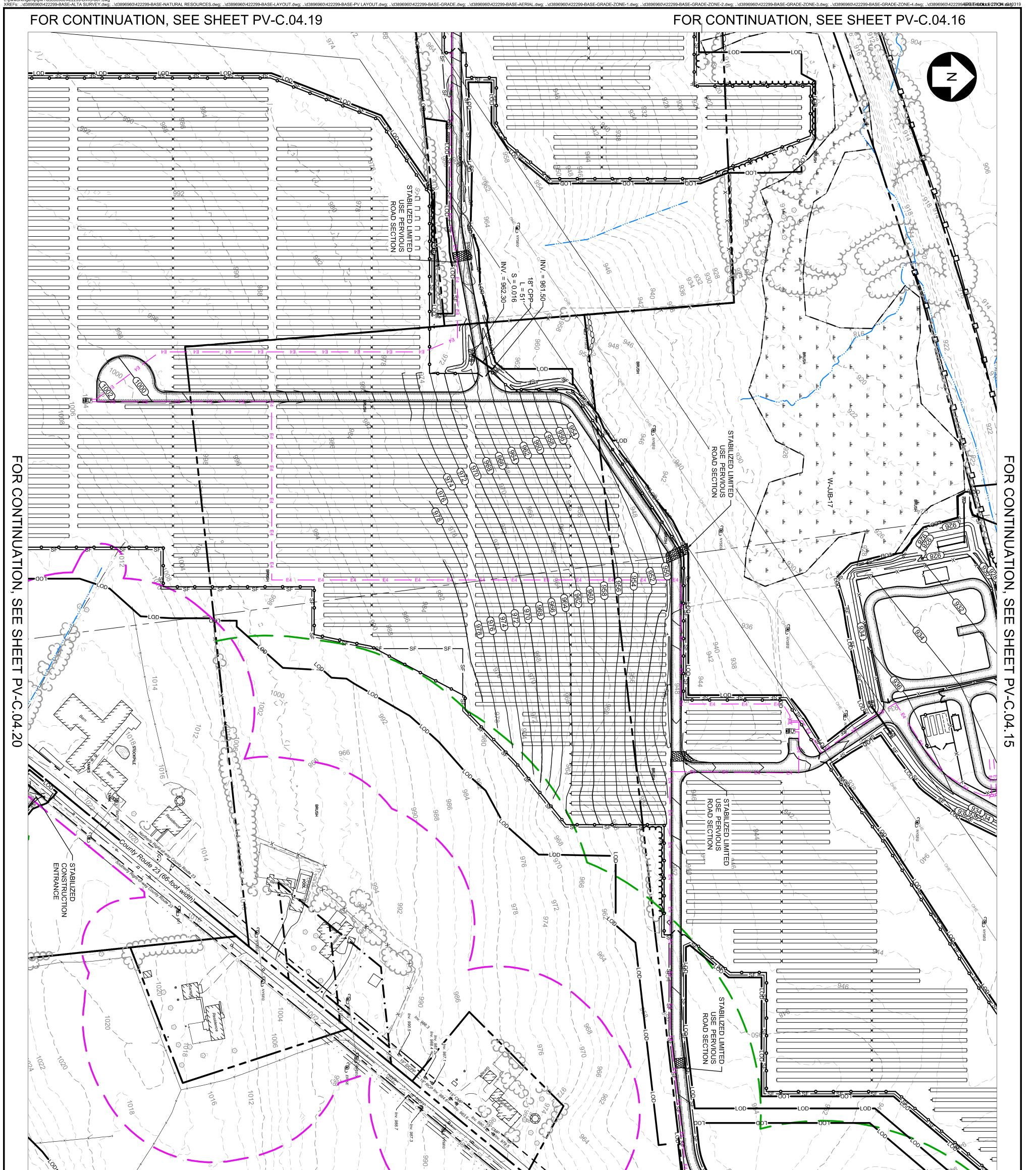
| C.04.01 C.04.02 | 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 |
|---|--|
| C.04.03 C.04.04 C.04.05 C.04.09 C.04.06 C.04.07 C.04.08 C.04.10 C.04.11 C.04.12 C.04.16 C.04.15 C.04.13 C.04.14 C.04.19 C.04.17 C.04.13 C.04.14 C.04.19 C.04.21 | PE STAMP: |
| C.04.20 KEY MAP SCALE: 1" = 3000' LEGEND EXISTING PROPERTY BOUNDARY 94C SETBACK TOWN SETBACK | Convertiend of the second seco |
| LIMIT OF DISTURBANCE LOD SOIL BOUNDARY SILT FENCE SF SF OHE OVERHEAD ELECTRIC OVERHEAD ELECTRIC CHAIN LINK FENCE BARBED WIRE FENCE GRAVEL ROAD BASELINE PV ARRAY | |
| EQUIPMENT PADS & BOLLARDS | REVISIONS: NO. DATE DESCRIPTION 0 01/19/2022 DESIGN DRAWINGS 1 06/27/2022 ISSUED FOR PERMIT 2 07/20/2022 ISSUED FOR PERMIT - - - - - - - - - - - - |
| BRUSH BUILDING •••••••••••••••••••••••••••••••••••• | · · · · · · PROJECT TITLE: · BROOKSIDE SOLAR PROJECT |
| COLLECTOR LINE E1 RIGHT OF WAY PAVED ROAD NON LEASE LINE — — — — DRIVEWAY HORIZONTAL DIRECTIONAL DRILL | PROJECT LOCATION: TOWNS OF BURKE AND CHATEAUGAY, NY |
| | SHEET TITLE & DESCRIPTION: GRADING, DRAINAGE, AND EROSION CONTROL PLAN |
| PRELIMINARY NOT FOR CONSTRUCTION 100 0 100 200 FT | PROJ 422299 DES: C. WINTERMUTE DWN: C. WINTERMUTE CHK: J. HEIDIG |
| SCALE: 1" = 100' UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT. | APV: - DATE: 05/21/2021 SCALE AT 22" x 34": 1" = 100' SHEET NO: REV: PV-C.04.15 2 |



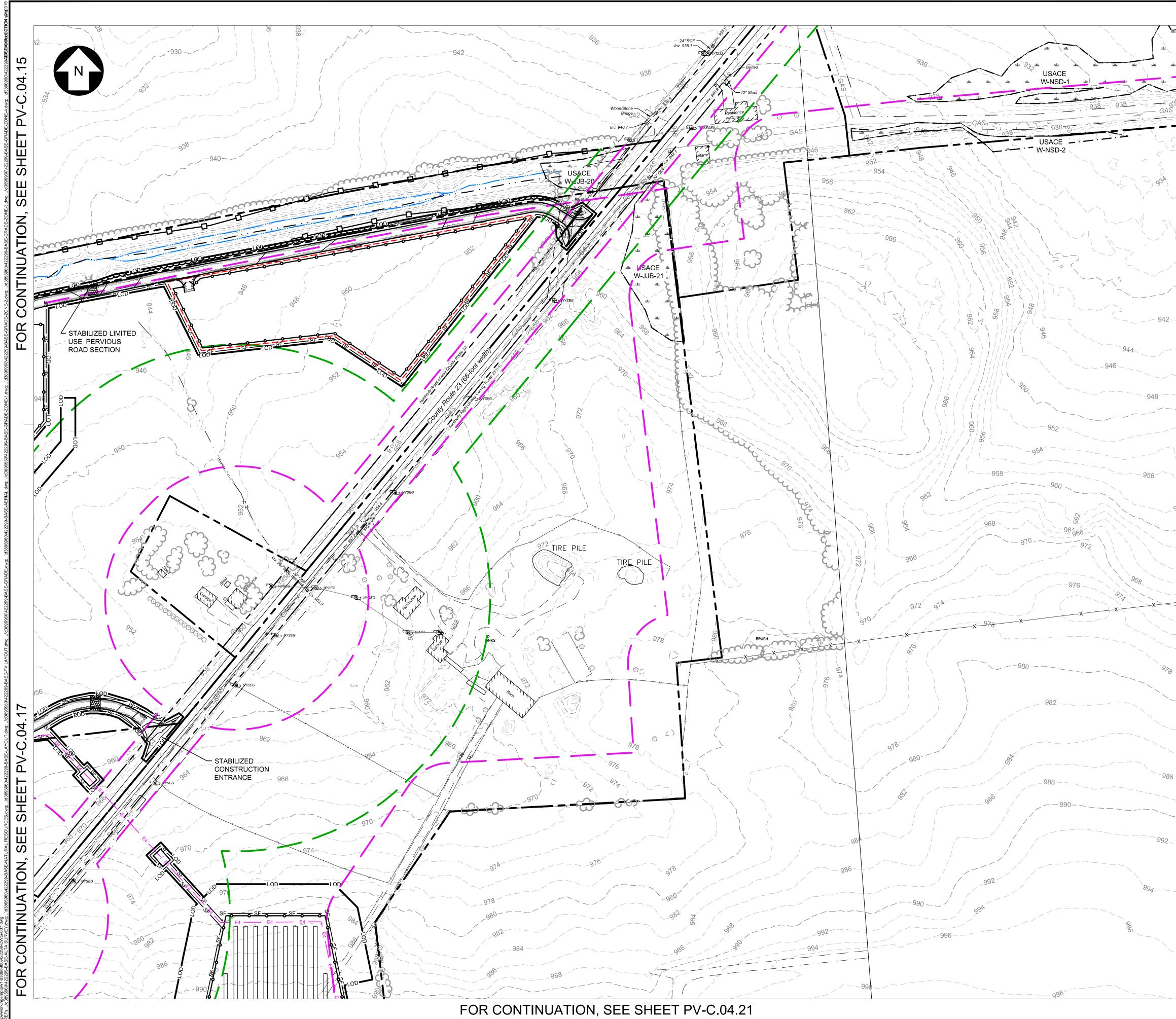
FOR CONTINUATION, SEE SHEET PV-C.04.19

TTED: 7/19/2022 4:12 PM workingemp\pw1\d3896960\422299-DWG-007.dv

| 0 | aes |
|---|---|
| C.04.01 C.04.02 | |
| | 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 |
| C.04.03 C.04.04 C.04.05 C.04.09 | |
| C.04.06 C.04.07 C.04.08 C.04.10 C.04.15 | 249 Western Avenue |
| C.04.11 C.04.12 C.04.18 | Augusta, ME 04330 |
| C.04.13 C.04.14 C.04.19 C.04.17 C.04.21 | PE STAMP: |
| | S ON MEL T BUT ODT |
| | |
| SCALE: 1" = 3000' LEGEND EXISTING PROPOSED | Daniel Thomas Butler 2022.00.20 14:05:45-04'00' |
| PROPERTY BOUNDARY 94C SETBACK TOWN SETBACK | KEY PLAN: |
| LIMIT OF DISTURBANCE LOD LOD SOIL BOUNDARY | |
| ————————————————————————————————— | |
| X X BARBED WIRE FENCE X X | |
| PV ARRAY | |
| | REVISIONS:NO.DATEDESCRIPTION |
| | 0 01/19/2022 DESIGN DRAWINGS 1 06/27/2022 ISSUED FOR PERMIT |
| STREAM | 2 07/20/2022 ISSUED FOR PERMIT |
| WATER SURFACE | · · · |
| TREELINE CONTRACT | · · · |
| BRUSH | |
| BUILDING | |
| • STONE WALL | PROJECT TITLE: |
| ാ UTILITY POLE | |
| ✓ VALVE = = = = = = CULVERT | BROOKSIDE SOLAR |
| COLVERT | |
| | PROJECT |
| LAYDOWN YARD | PROJECT LOCATION: |
| PAVED ROAD | |
| DRIVEWAY | TOWNS OF BURKE AND |
| | CHATEAUGAY, NY |
| 2 | SHEET TITLE & DESCRIPTION: |
| | GRADING, DRAINAGE, |
| | AND EROSION |
| | CONTROL PLAN |
| | |
| Dig Safely, New York | |
| | |
| | PROJ 422299 NUM: 422299 |
| - PRELIMINARY | DES: C. WINTERMUTE |
| NOT FOR CONSTRUCTION | DWN: C. WINTERMUTE |
| 100 0 100 200 FT | CHK: J. HEIDIG |
| Y 100 0 100 200 FT I I I I | |
| | APV: - |
| SCALE: 1" = 100' | DATE: 05/21/2021 SCALE AT 22" x 34": |
| SCALE: 1" = 100' UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS | JUALE AT 22 X 34 . |
| | |
| ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT. | 1" = 100' |
| | SHEET NO: REV: |
| | PV-C.04.16 2 |



| FOR CONTINUATION, SEE S | HEET PV-C.04.21 | TREELINE BRUSH BUILDING CD TOWN BOUNDARY COLLECTOR LINE TREAL TOWN BOUNDARY | Imit of disturbance Imit of disturbance Soll Boundary Soll Boundary Soll Boundary Stream Stream Minor contour Stream Stream Water surface Water surface | EXISTING EXI | 0 0 0 |
|---|---|---|---|---|---|
| PROJ NUM: 422299 DES: C. WINTERMUTE DWN: C. WINTERMUTE CHK: J. HEIDIG APV: - APV: - NATE: 05/21/2021 SCALE AT 22" x 34": - 1" = 100' - SHEET NO: REV: PV-C.04.17 2 | TOWNS OF BURKE AND CHATEAUGAY, NY SHEET TITLE & DESCRIPTION: GRADING, DRAINAGE, AND EROSION CONTROL PLAN | · · · · · · · · · · · PROJECT TITLE: Image: Solar project is a straight of the sol | REVISIONS: NO. DATE DESCRIPTION 0 01/19/2022 DESIGN DRAWINGS 1 06/27/2022 ISSUED FOR PERMIT 2 07/20/2022 ISSUED FOR PERMIT - - - | KEY PLAN: | 249 Wes |



| | aes |
|--|---|
| C.04.01 C.04.02 | 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 |
| C.04.03 C.04.04 C.04.05 C.04.09 | |
| C.04.06 C.04.07 C.04.08 C.04.10 C.04.15 | 249 Western Avenue |
| C.04.11 C.04.12 C.04.16 C.04.18 C.04.17 | Augusta, ME 04330 PE STAMP: |
| C.04.13 C.04.14 C.04.19 C.04.20 | CANEL T BUTCH |
| KEY MAP SCALE: 1" = 3000' LEGEND EXISTING | Dania Thomas Butler 2022.07.20 14:06:11-04'00' |
| PROPERTY BOUNDARY 94C SETBACK | KEY PLAN: |
| TOWN SETBACK LIMIT OF DISTURBANCE LOD SOIL BOUNDARY SILT FENCE SF SF SF | |
| OHE OVERHEAD ELECTRIC | |
| | |
| EQUIPMENT PADS & BOLLARDS 🛛 🛱 🚆 | REVISIONS: NO. DATE DESCRIPTION |
| | 0 01/19/2022 DESIGN DRAWINGS |
| | 1 06/27/2022 ISSUED FOR PERMIT 2 07/20/2022 ISSUED FOR PERMIT |
| WATER SURFACE | · · · |
| | |
| BRUSH | · · · |
| BUILDING | |
| • STONE WALL تص UTILITY POLE | PROJECT TITLE: |
| VALVE = = = = = = = CULVERT | BROOKSIDE SOLAR |
| WETLAND ADJACENT AREA / STREAM BUFFER | PROJECT |
| LAYDOWN YARD | |
| | PROJECT LOCATION: |
| PAVED ROAD | |
| NON LEASE LINE DRIVEWAY HORIZONTAL DIRECTIONAL DRILL | TOWNS OF BURKE AND CHATEAUGAY, NY |
| | SHEET TITLE & DESCRIPTION: |
| | GRADING, DRAINAGE, |
| | AND EROSION |
| | CONTROL PLAN |
| | |
| Dig Safely, New York | |
| | PROJ 422200 |
| PRELIMINARY | NUM: 422299 DES: C. WINTERMUTE |
| NOT FOR CONSTRUCTION | DES. C. WINTERMOTE |
| 100 0 100 200 FT | снк: J. HEIDIG |
| | APV: - |
| SCALE: 1" = 100' | DATE: 05/21/2021 |
| UNDER NEW YORK STATE EDUCATION LAW ARTICLE | SCALE AT 22" x 34": |
| 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS | |
| ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT. | 1" = 100' SHEET NO: REV: |
| | PV-C.04.18 2 |
| | · |



| 0 | <image/> <text><image/><text><text><text></text></text></text></text> |
|--|--|
| LIMIT OF DISTORBARCE LOD SOIL BOUNDARY SILT FENCE OHE OVERHEAD ELECTRIC OHE OVERHEAD ELECTRIC CHAIN LINK FENCE Image: Chain Link FENCE X X BARBED WIRE FENCE X Y BARBED WIRE FENCE Y Image: Chain Link FENCE PV ARRAY Image: Chain Link FENCE EQUIPMENT PADS & BOLLARDS Image: Chain Link FENCE EQUIPMENT PADS & BOLLARDS Image: Chain Link FENCE Image: Chain Link FENCE Image: Chain Link FENCE Imag | REVISIONS: NO. DATE DESCRIPTION 0 01/19/2022 DESIGN DRAWINGS 1 1 06/27/2022 ISSUED FOR PERMIT 2 2 07/20/2022 ISSUED FOR PERMIT 1 2 07/20/2022 ISSUED FOR PERMIT 1 2 07/20/2022 ISSUED FOR PERMIT 1 3 - - - - 4 - < |
| COLLECTOR LINE E1 RIGHT OF WAY PAVED ROAD NON LEASE LINE DRIVEWAY HORIZONTAL DIRECTIONAL DRILL | TOWNS OF BURKE AND CHATEAUGAY, NY SHEET TITLE & DESCRIPTION: GRADING, DRAINAGE, AND EROSION CONTROL PLAN PROJ 422299 DES: C. WINTERMUTE DWN: C. WINTERMUTE DWN: C. WINTERMUTE CHK: J. HEIDIG APV: - DATE: 05/21/2021 SCALE AT 22" x 34": 1" = 100' SHEET NO: PV-C.04.19 2 |

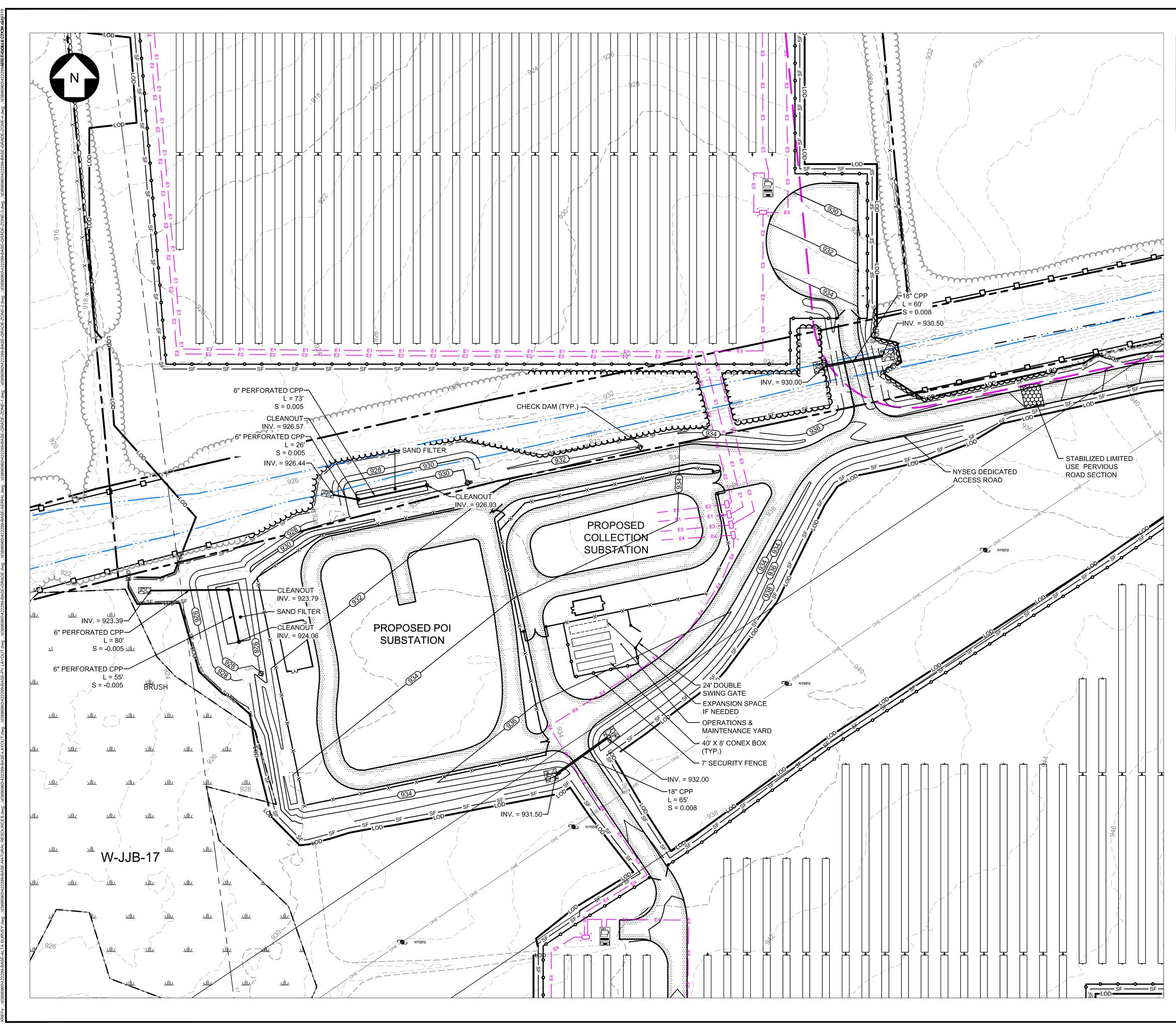


PLOTTED: 7/19/2022 4:14 PM c:\pwworkingemp\pw1\d3896960\422299-DWG-007.dv

| <complex-block></complex-block> | <image/> <text><text><text><text></text></text></text></text> |
|---|---|
| LEGEND | |
| EXISTING PROPOSED PROPERTY BOUNDARY 94C SETBACK 1000 SETBACK LIMIT OF DISTURBANCE LOD SOIL BOUNDARY SILT FENCE SF SF OHE OVERHEAD ELECTRIC OHE CHAIN LINK FENCE TO CHAIN LINK FENCE | DEVISIONS |
| | REVISIONS: |
| BASELINE — — — — | NO. DATE DESCRIPTION |
| | 0 01/19/2022 DESIGN DRAWINGS |
| EQUIPMENT PADS & BOLLARDS | 1 06/27/2022 ISSUED FOR PERMIT |
| | 2 07/20/2022 ISSUED FOR PERMIT |
| | |
| | |
| علاد علاد WETLAND | |
| · | |
| STREAM | |
| WATER SURFACE | |
| | PROJECT TITLE: |
| TREELINE BRUSH BUILDING • • • • • • • • • • • • • • • • • • • | BROOKSIDE SOLAR PROJECT |
| | |
| = = = = = = CULVERT | PROJECT LOCATION: |
| WETLAND ADJACENT AREA / STREAM BUFFER LAYDOWN YARD TOWN BOUNDARY COLLECTOR LINE RIGHT OF WAY PAVED ROAD | TOWNS OF BURKE AND CHATEAUGAY, NY |
| NON LEASE LINE | |
| | SHEET TITLE & DESCRIPTION: |
| | GRADING, DRAINAGE, AND EROSION CONTROL PLAN |
| Dig Safely. New York Call 811 before you dig | |
| | PROJ NUM: 422299 |
| PRELIMINARY | DES: C. WINTERMUTE |
| NOT FOR CONSTRUCTION | |
| | DWN: C. WINTERMUTE |
| 100 0 100 200 FT | снк: J. HEIDIG |
| | APV: |
| | |
| SCALE: 1" = 100' | DATE: 05/21/2021 |
| UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT. | SCALE AT 22" x 34": 1" = 100' SHEET NO: REV: |
| | |
| | PV-C.04.20 2 |

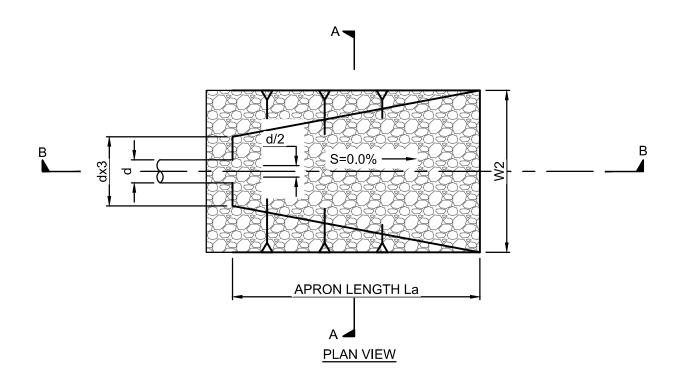


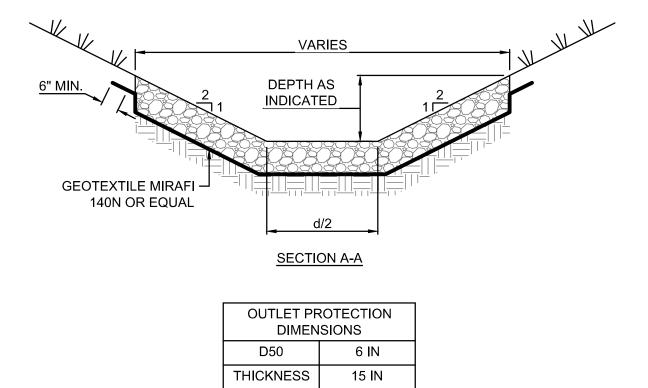
| C.04.01 C.04.02 | 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 |
|---|--|
| C.04.03 C.04.04 C.04.05 C.04.09 | (801) 679 - 3500 |
| C.04.06 C.04.07 C.04.08 C.04.10 | |
| C.04.11 C.04.12 C.04.16 C.04.15 C.04.18 | 249 Western Avenue Augusta, ME 04330 |
| C.04.13 C.04.14 C.04.19 C.04.17 C.04.21 | PE STAMP: |
| | LICERS |
| KEY MAP SCALE: 1" = 3000' LEGEND EXISTING PROPOSED | Daniel Thomas Butler 2022.07.20 14:06:51-04'00' |
| PROPERTY BOUNDARY 94C SETBACK TOWN SETBACK | KEY PLAN: |
| LIMIT OF DISTURBANCE LOD LOD LOD LOD SOIL BOUNDARY SILT FENCE SF SF SF SF | |
| OHE | |
| | |
| EQUIPMENT PADS & BOLLARDS | REVISIONS: NO. DATE DESCRIPTION |
| 600 MAJOR CONTOUR - 600 - | 0 01/19/2022 DESIGN DRAWINGS |
| | 1 06/27/2022 ISSUED FOR PERMIT |
| STREAM | 2 07/20/2022 ISSUED FOR PERMIT |
| WATER SURFACE | |
| | |
| BRUSH | |
| BUILDING | |
| • COCCONCENT • STONE WALL | PROJECT TITLE: |
| | |
| VALVE = = = = = = = = CULVERT | BROOKSIDE SOLAR |
| WETLAND ADJACENT | |
| | PROJECT |
| LAYDOWN YARD | |
| | PROJECT LOCATION: |
| A A A A A A A A A A A A A A A A A | |
| | |
| | TOWNS OF BURKE AND |
| | CHATEAUGAY, NY |
| | SHEET TITLE & DESCRIPTION: |
| | GRADING, DRAINAGE, |
| | AND EROSION |
| | CONTROL PLAN |
| | |
| | |
| Dig. Safely. Maw York | |
| before you dig | |
| | PROJ 422200 |
| PRELIMINARY | NUM: 422299 |
| NOT FOR CONSTRUCTION | DES: C. WINTERMUTE |
| | DWN: C. WINTERMUTE |
| 100 0 100 200 FT I I I I | снк: J. HEIDIG |
| | APV: - |
| SCALE: 1" = 100' | DATE: 05/21/2021 |
| UNDER NEW YORK STATE EDUCATION LAW ARTICLE | SCALE AT 22" x 34": |
| 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS | |
| ACTING UNDER THE DIRECTION OF A LICENSED | 1" = 100' |
| PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT. | SHEET NO: REV: |
| | PV-C.04.21 2 |
| | |



PLOTTED: 7/19/2022 4:31 PM c:\pwworkingemppwr1d38969601422299-DWG-007 dwg

| C.04.01 C.04.02 | 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 |
|---|--|
| C.04.03 C.04.04 C.04.05 C.04.09 C.04.06 C.04.07 C.04.08 C.04.10 C.04.11 C.04.12 C.04.16 C.04.15 C.04.13 C.04.14 C.04.19 C.04.20 | PE STAMP: |
| KEY MAP SCALE: 1" = 3000' LEGEND EXISTING PROPERTY BOUNDARY 94C SETBACK TOWN SETBACK | A C C C C C C C C C C C C C C C C C C C |
| LIMIT OF DISTURBANCE LOD SOIL BOUNDARY SILT FENCE SF SF OHE OVERHEAD ELECTRIC OVERHEAD ELECTRIC CHAIN LINK FENCE BARBED WIRE FENCE GRAVEL ROAD BASELINE PV ARRAY | |
| EQUIPMENT PADS & BOLLARDS 598 600 MINOR CONTOUR 600 MAJOR CONTOUR 600 WETLAND STREAM WATER SURFACE TREELINE | REVISIONS:NO.DATEDESCRIPTION001/19/2022DESIGN DRAWINGS106/27/2022ISSUED FOR PERMIT207/20/2022ISSUED FOR PERMIT |
| BRUSH BUILDING •••••••••••••••••••••••••••••••••••• | - - - - PROJECT TITLE: BROOKSIDE SOLAR PROJECT |
| COLLECTOR LINE E1 RIGHT OF WAY PAVED ROAD NON LEASE LINE DRIVEWAY HORIZONTAL DIRECTIONAL DRILL | PROJECT LOCATION: TOWNS OF BURKE AND CHATEAUGAY, NY |
| | SHEET TITLE & DESCRIPTION: SUBSTATION INSET |
| PRELIMINARY NOT FOR CONSTRUCTION | PROJ NUM: 422299 DES: J. HEIDIG DWN: J. HEIDIG |
| 50 0 50 100 FT I I I I SCALE: 1" = 50' UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED | Снк: J. HEIDIG APV: - DATE: 05/25/2021 SCALE AT 22" x 34": 1" = 50' |
| PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT. | SHEET NO: REV: PV-C.04.22 2 |





d

La

W2

SEE PLAN

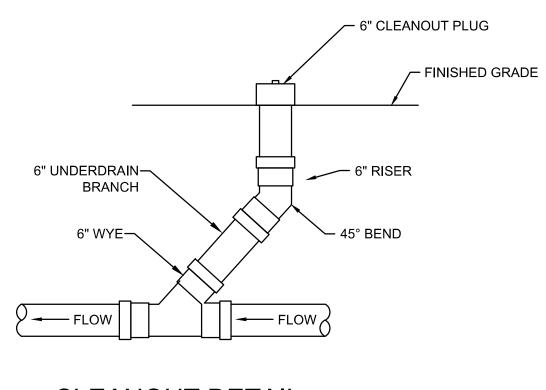
12 FT

12 FT

NOTES:

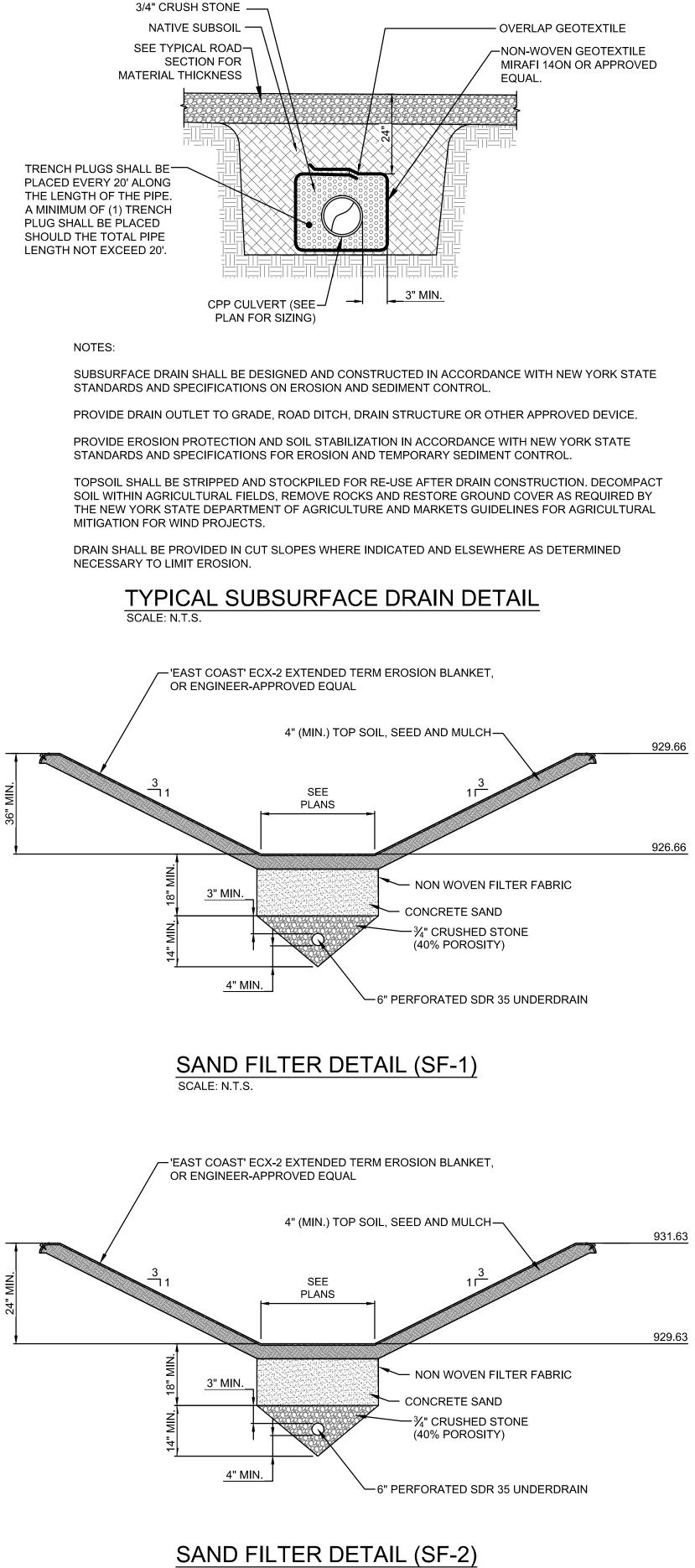
1. CONSTRUCT RIPRAP PROTECTION IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

RIPRAP OUTLET PROTECTION SCALE: N.T.S.





UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

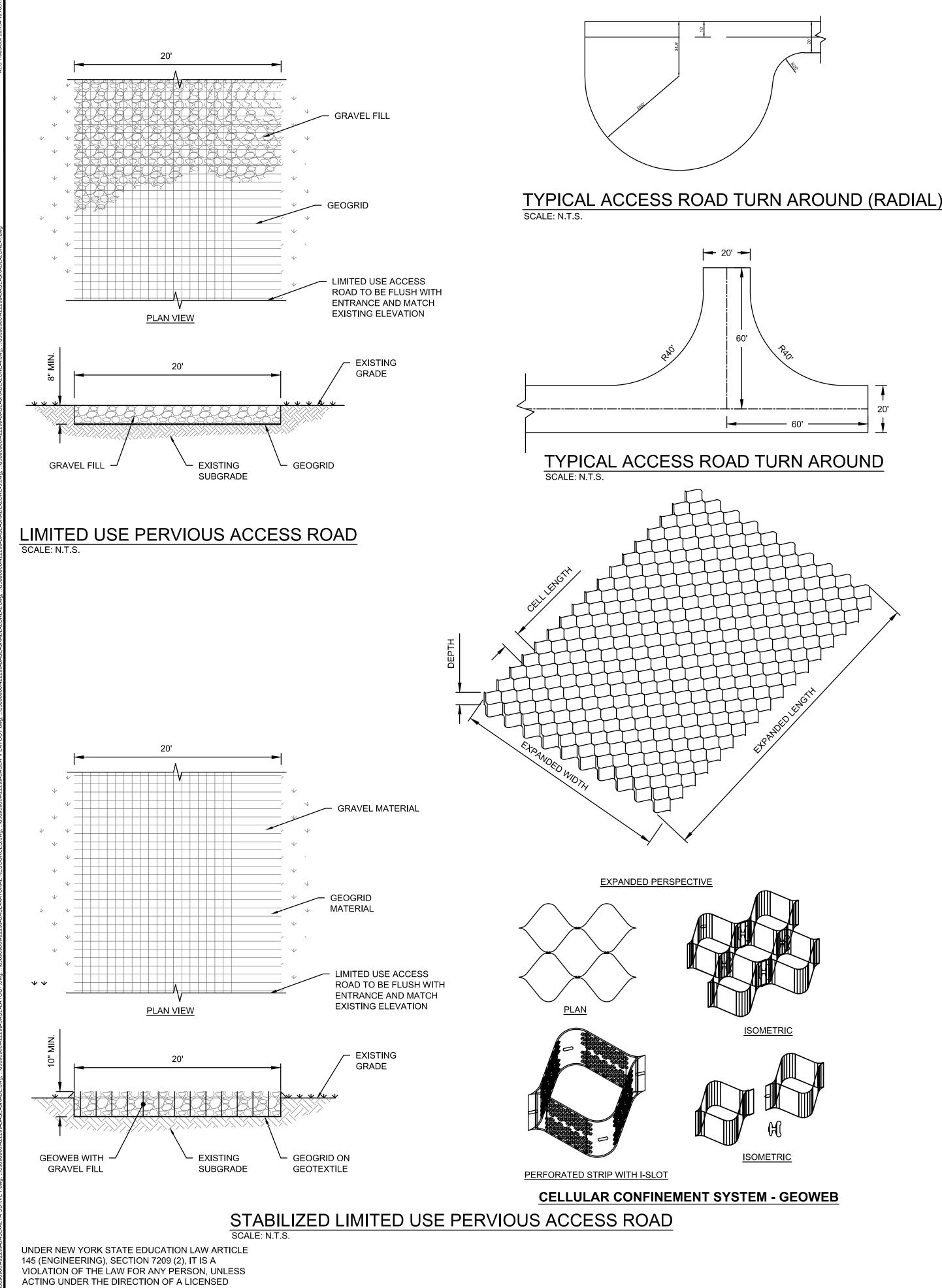


SCALE: N.T.S.

| 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 | | | |
|---|--|--|--|
| 249 Western Avenue Augusta, ME 04330 | | | |
| PE STAMP: | | | |
| Danier Thomas Butter 2022.07.20 14:07:24*04'00' | | | |
| KEY PLAN: | | | |
| | | | |
| REVISIONS: | | | |
| NO. DATE DESCRIPTION | | | |
| 0 01/19/2022 DESIGN DRAWINGS | | | |
| 1 06/27/2022 ISSUED FOR PERMIT | | | |
| 2 07/20/2022 ISSUED FOR PERMIT | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| PROJECT TITLE: | | | |
| BROOKSIDE SOLAR PROJECT | | | |
| PROJECT LOCATION: | | | |
| TOWNS OF BURKE AND CHATEAUGAY, NY | | | |
| SHEET TITLE & DESCRIPTION: | | | |
| GRADING AND DRAINAGE DETAILS | | | |
| | | | |
| PROJ NUM: 422299 | | | |
| DES: C. WINTERMUTE | | | |
| DWN: C. WINTERMUTE | | | |
| снк: J. HEIDIG | | | |
| | | | |
| APV: - | | | |
| DATE: 05/21/2021 | | | |
| SCALE AT 22" x 34": | | | |
| AS NOTED | | | |
| SHEET NO: REV: PV-C.05.01 2 | | | |



PRELIMINARY NOT FOR CONSTRUCTION



PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PERVIOUS ACCESS ROAD GENERAL NOTES:

- 1. LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO ACCESS ROADS USED ON AN OCCASIONAL BASIS ONLY (I.E. PROVIDE ACCESS FOR MOWING, EQUIPMENT REPAIR OR MAINTENANCE, EMERGENCY VEHICLES, ETC.).
- 2. LIMITED USE PERVIOUS ACCESS ROAD IS RESTRICTED TO POST-CONSTRUCTION, LOW IMPACT, MAINTENANCE/EQUIPMENT REPAIR ACTIVITIES ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
- 3. CONSTRUCT LIMITED USE PERVIOUS ACCESS ROAD TO THE LINES AND GRADES SHOWN ON THE CONSTRUCTION PLANS.
- USE OF STABILIZED PERVIOUS ACCESS ROAD 4.1. STABILIZED PERVIOUS ACCESS ROADS SHALL BE CONSTRUCTED IN AREAS WHERE THE SLOPE OF THE ROAD EXCEEDS 8%. THE GEOWEB WILL HOLD THE ROAD MATERIAL IN PLACE UNDER TRAFFIC LOADS. STABILIZED PERVIOUS ACCESS ROADS SHALL BE CONSTRUCTED IN AREAS WITH SOFT OR PLACID SOILS, WHERE ADDITIONAL STRUCTURAL SUPPORT IS NEEDED TO SUPPORT TRAFFIC LOADS. 4.2. STABILIZED PERVIOUS ROAD SECTION IS INTENDED AS A STABILIZATION METHOD FOR ROAD MATERIALS IN LOCATIONS WHERE STORMWATER RUNOFF MAY FLOW ACROSS THE ACCESS ROAD. THE OPEN-GRADED STONE 4.3. WILL ALLOW LOW FLOWS TO PASS THROUGH THE ROAD MATERIAL WHILE HIGHER FLOWS WILL PASS OVER THE ROAD. THE CELLULAR CONFINEMENT SYSTEM (GEOWEB) WILL PREVENT EROSION OF THE ROAD MATERIAL. THIS APPROACH MINIMIZES IMPACTS TO EXISTING RUNOFF PATTERNS.
- 5. STABILIZED PERVIOUS ROAD SECTIONS SHALL BE INSTALLED AT NATURAL LOW POINTS OF THE ACCESS ROADS AND TERRAIN WHERE STORMWATER RUNOFF IS LIKELY TO BE CONCENTRATED DUE TO EXISTING HYDROLOGY/TOPOGRAPHY, AND CULVERT INSTALLATION IS IMPRACTICAL DUE TO LIMITED COVER.
- 6. REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
- 7. REMOVED TOPSOIL MAY BE STOCKPILED FOR LATER USE OR SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- 8. PREPARE SUBGRADE AS NEEDED TO ACHIEVE LINES AND GRADES SHOWN ON CONSTRUCTION PLANS.
- 9. REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER OR ENVIRONMENTAL INSPECTOR. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE 10. ROADWAY WIDTH TO BE INSTALLED AS SHOWN ON PLANS.
- 11. THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL NOT EXCEED 2.5% THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHALL NOT EXCEED 8% UNLESS OTHERWISE INDICATED ON THE GRADING PLANS. IN NO CASE SHALL THE SLOPE EXCEED 12%.
- 12. LIMITED USE PERVIOUS ACCESS ROAD IS NOT TO BE UTILIZED FOR CONSTRUCTION TRAFFIC WHICH MAY SUBJECT THE ACCESS ROAD TO SEDIMENT TRACKING.
- 13. PRIOR TO PERVIOUS ACCESS ROAD CONSTRUCTION, SOIL PENETROMETER TESTING SHALL BE PERFORMED AT NO GREATER THAN 100-FOOT INTERVALS ALONG THE ACCESS ROAD ALIGNMENT. AFTER THE SUBGRADE HAS BEEN PREPARED AND PRIOR TO PLACEMENT OF GEOGRID AND GRAVEL, SOIL PENETROMETER TESTING SHALL BE PERFORMED AGAIN TO VERIFY THAT SOIL COMPACTION DOES NOT EXCEED PRE-CONSTRUCTION CONDITIONS. SOIL RESTORATION PRACTICES SHALL BE REQUIRED TO DE-COMPACT SOILS IN AREAS WHERE THIS CRITERION IS NOT MET.
- 14. TO ENSURE THAT SOIL IS NOT TRACKED ONTO THE LIMITED USE PERVIOUS ACCESS ROAD, IT SHALL NOT BE USED BY CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. IF ACCESS IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION, A STABILIZED CONSTRUCTION ACCESS/ENTRANCE IS REQUIRED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD. MAINTENANCE OF THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE.
- 15. THE LIMITED USE PERVIOUS ACCESS ROAD SHALL NOT BE CONSTRUCTED OR USED UNTIL ALL AREAS SUBJECT TO RUNOFF ONTO THE PERVIOUS ACCESS ROAD HAVE ACHIEVED FINAL STABILIZATION. 16. IF A ROADSIDE DITCH IS NOT UTILIZED TO CAPTURE RUNOFF FROM THE ACCESS ROAD, THE PERVIOUS ACCESS ROAD WILL HAVE A WELL-ESTABLISHED PERENNIAL VEGETATIVE COVER, WHICH SHALL CONSIST OF UNIFORM
- VEGETATION, 20 FEET PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THIS VEGETATIVE COVER TO ENSURE STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.

GEOGRID MATERIAL NOTES:

- 1. GEOGRID, OR APPROVED EQUIVALENT PRODUCT, SHALL BE USED FOR ALL CONDITIONS IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE STRUCTURAL STRENGTH. 2. GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, WASHED, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-0201, SIZE DESIGNATION 3, 4A OR 4 OF
- TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED. 3. GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
- 4. IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
- 5. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.

6. LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH 1"-4" WASHED CRUSHED STONE MEETING NYSDOT ITEM 703-0201, SIZE DESIGNATION 3, 4A OR 4 OF TABLE 703-4 SPECIFICATIONS. BASIS OF DESIGN: TENCATE MIRAFI BXG110 GEOGRIDS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA;800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM GEOWEB MATERIAL NOTES

- 1. CELLULAR CONFINEMENT SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB GW30V, OR APPROVED EQUIVALENT PRODUCT. MINIMUM CELL DEPTH SHALL BE 6".
- 2. INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- 3. GRAVEL FILL MATERIAL SHALL CONSIST OF CLEAN, WASHED, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3, 4A OR 4 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
- 4. ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH 2"-4" WASHED CRUSHED STONE MEETING NYSDOT ITEM 703-0201, SIZE DESIGNATION 3, 4A OR 4 OF TABLE 703-4 SPECIFICATIONS. 5. THE TOP EDGES OF ADJACENT CELL WALLS SHALL BE FLUSH WHEN CONNECTING. ALIGN THE I-SLOTS FOR INTERLEAF AND END TO END CONNECTIONS. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH

INTERLEAD AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER INSTALLATION, TYING AND CONNECTIONS. BASIS OF DESIGN: PRESTO GEOSYSTEMS GEOWEB; 670 NORTH PERKINS STREET, APPLETON, WI; 800-548-3424 OR 920-738-1222; INFO@PRESTOGEO.COM; WWW.PRESTOGEO.COM

WOVEN GEOTEXTILE MATERIAL NOTES:

1. GEOTEXTILE SHALL BE RS280i OR APPROVED EQUIVALENT.

2. SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS, OR AS DIRECTED BY PROJECT ENGINEER OR ENVIRONMENTAL INSPECTOR. BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA;800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

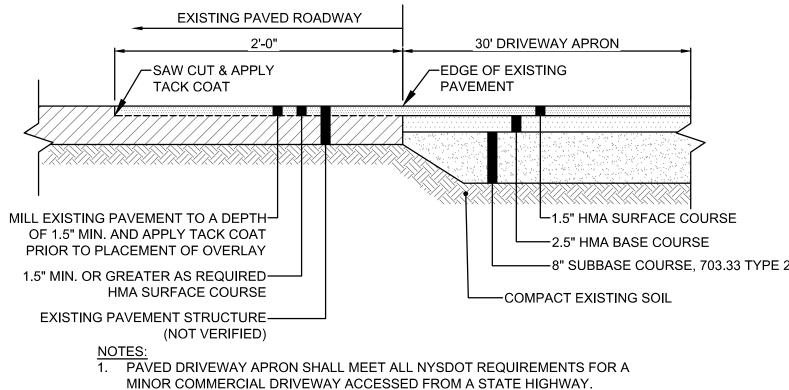
PERVIOUS ACCESS ROAD DESIGN NOTES:

- 1. THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL NOT EXCEED 2.5%. THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHALL NOT EXCEED 12%. A DRAINAGE DITCH IS REQUIRED FOR CIRCUMSTANCES WHERE CONCENTRATING FLOW CAN NOT BE AVOIDED. THE INTENTION OF THIS DESIGN IS TO MINIMIZE ALTERATIONS TO HYDROLOGY, HOWEVER WHEN DEALING WITH 2%-15% GRADES NOT PARALLEL TO THE CONTOUR, A ROADSIDE DITCH MAY BE REQUIRED. THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED WATERWAYS AND VEGETATED VATERWAYS ARE APPLICABLE FOR SIZING AND STABILIZATION. DIMENSIONS FOR THE GRASSED WATERWAY SPECIFICATION WOULD BE DESIGNED FOR PROJECT SPECIFIC HYDROLOGIC RUNOFF CALCULATIONS, AND A
- SEPARATE DETAIL FOR THE SPECIFIC GRASSED WATERWAY WOULD BE INCLUDED IN THIS PRACTICE. RUNOFF DISCHARGES WILL BE SUBJECT TO THE OUTLET REQUIREMENTS OF THE REFERENCED STANDARD. INCREASED POST-DEVELOPMENT RUNOFF FROM THE ASSOCIATED ROADSIDE DITCH MAY REQUIRE ADDITIONAL PRACTICES TO ATTENUATE RUNOFF TO PRE-DEVELOPMENT CONDITIONS.
- 3. THE DESIGN PROFESSIONAL MUST ACCOUNT FOR THE LIMITED USE PERVIOUS ACCESS ROAD IN THEIR SITE ASSESSMENT/HYDROLOGY ANALYSIS. IF THE HYDROLOGY ANALYSIS SHOWS THAT THE HYDROLOGY HAS BEEN ALTERED FROM PRE- TO POST-DEVELOPMENT CONDITIONS (SEE APPENDIX A OF GP-0-20-001 FOR THE DEFINITION OF "ALTER THE HYDROLOGY..."), THE DESIGN MUST INCLUDE THE NECESSARY DETENTION/RETENTION PRACTICES TO ATTENUATE THE RATES (10 AND 100 YEAR EVENTS) TO PRE-DEVELOPMENT CONDITIONS. GEOWEB MATERIAL NOTES:
- 1. THE GEOWEB, OR COMPARABLE PRODUCT, IS SHALL BE USED ON ROAD PROFILES EXCEEDING 8%. THE GEOWEB PRODUCT IS INTENDED TO LIMIT SHIFTING STONE MATERIAL DURING USE.
- 2. GEOWEB SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB OR APPROVED EQUAL. GEOWEB SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED ACCESS ROAD SLOPES.
- BASIS OF DESIGN: PRESTO GEOSYSTEMS GEOWEB; 670 NORTH PERKINS STREET, APPLETON, WI; 800-548-3424 OR 920-738-1222; INFO@PRESTOGEO.COM; WWW.PRESTOGEO.COM

WOVEN GEOTEXTILE MATERIAL NOTES:

- SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OF C OR D, OR AS SPECIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST, OR GEOTECHNICAL DATA.
- 2. THE CONCERN FOR POTENTIAL REDUCTION OF NATIVE INFILTRATION RATES DUE TO THE GEOTEXTILE MATERIAL WOULD NOT BE A SIGNIFICANT CONCERN IN POORLY DRAINED SOILS WHERE SEGREGATION OF PERVIOUS STONE AND NATIVE MATERIALS IS CRUCIAL FOR LONG TERM OPERATION AND MAINTENANCE.

BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA;800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

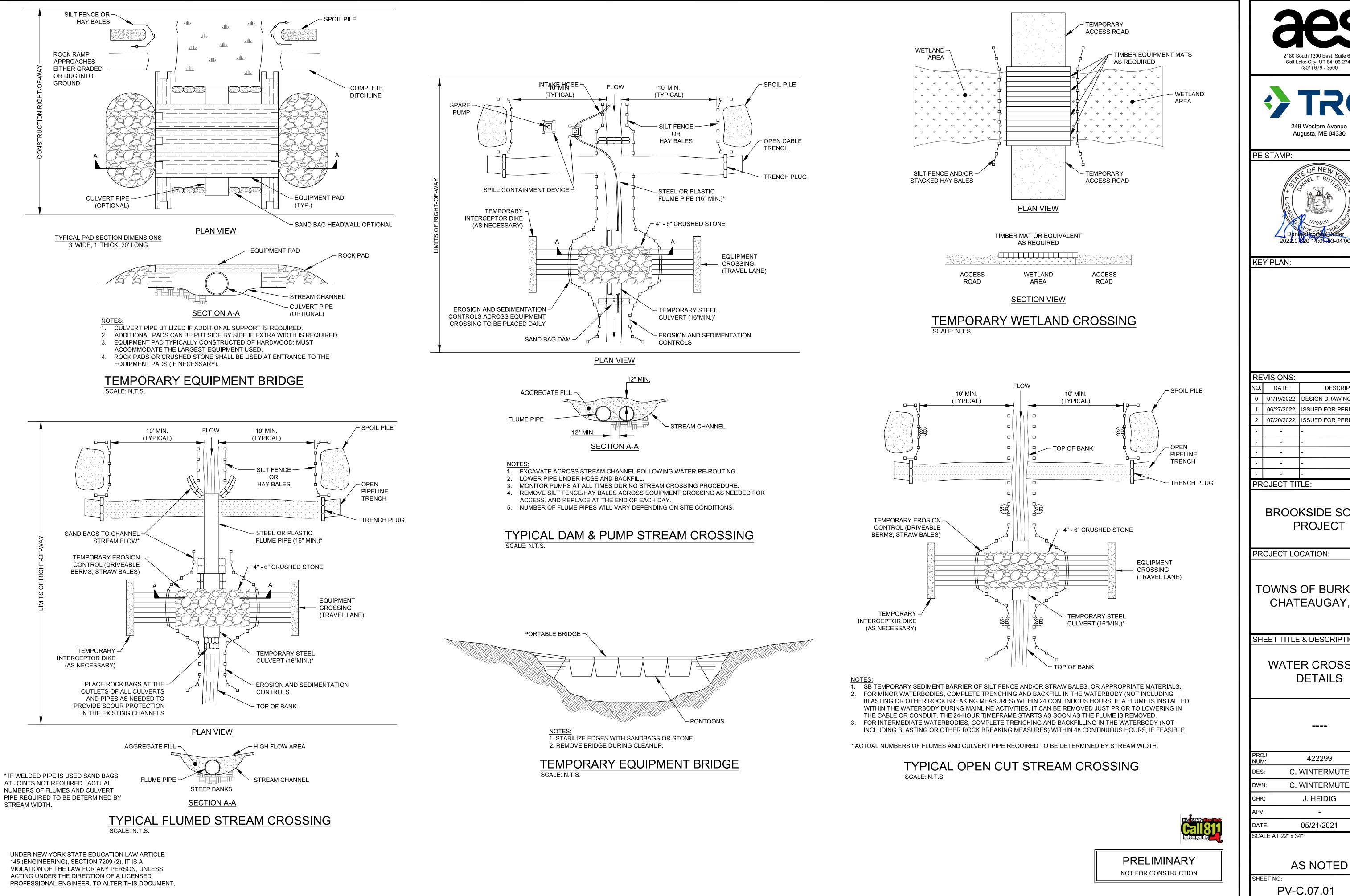


PAVED DRIVEWAY APRON SCALE: N.T.S.

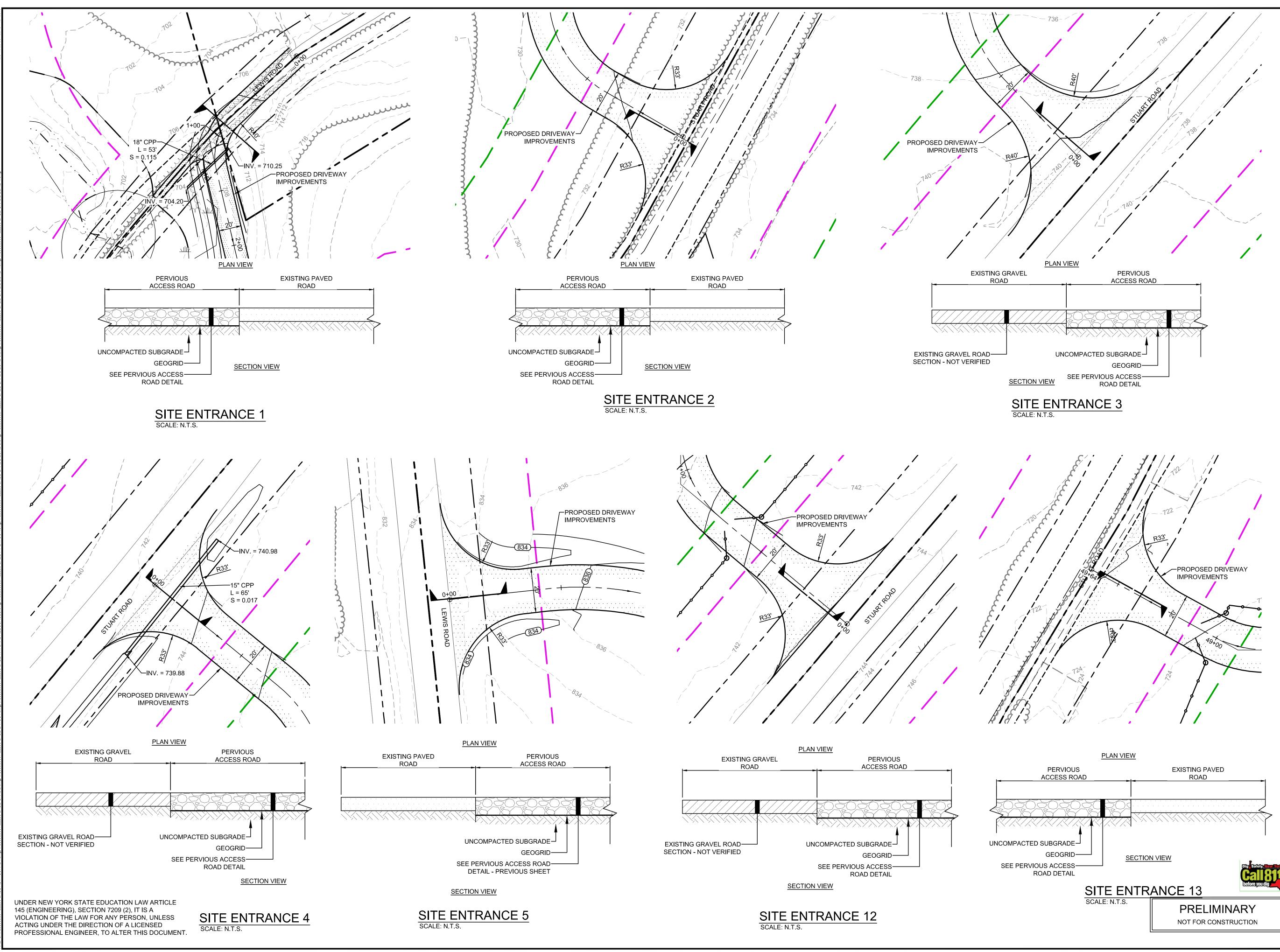
2180 South 1300 East Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 249 Western Avenue Augusta, ME 04330 PE STAMP: KEY PLAN: REVISIONS: DESCRIPTION DATE 01/19/2022 DESIGN DRAWINGS 06/27/2022 ISSUED FOR PERMIT 07/20/2022 ISSUED FOR PERMIT ---ROJECT TITLE: **BROOKSIDE SOLAR PROJECT PROJECT LOCATION:** TOWNS OF BURKE AND CHATEAUGAY, NY SHEET TITLE & DESCRIPTION: DRIVEWAY AND ROAD DETAILS ____ 422299 C. WINTERMUTE C. WINTERMUTE J. HEIDIG 05/21/2021 DATE SCALE AT 22" x 34": AS NOTED SHEET NO: PV-C.06.01



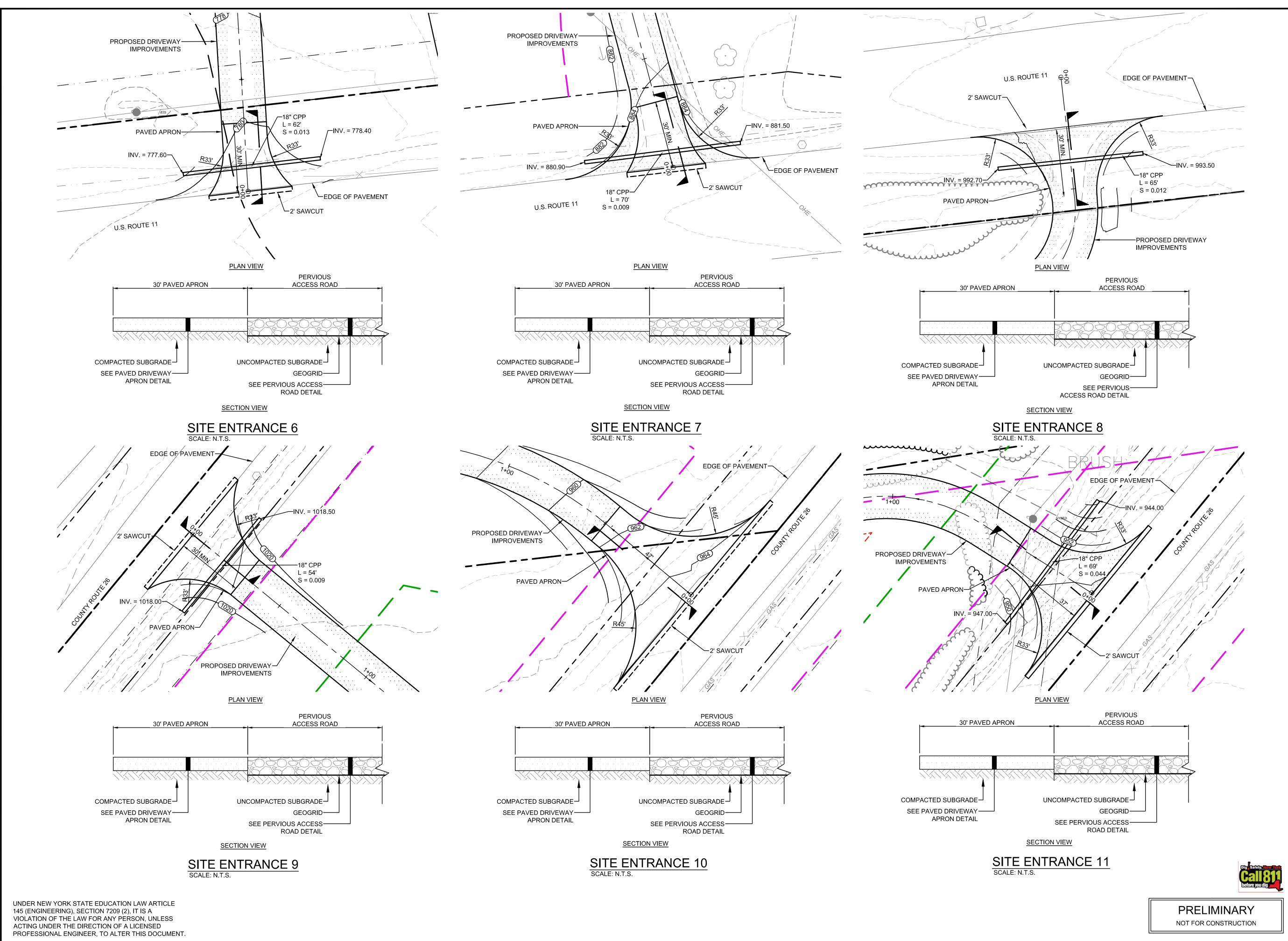
PRELIMINARY NOT FOR CONSTRUCTION



| | | Outh 1300 East, Suite 600 ake City, UT 84106-2749 (801) 679 - 3500 | |
|----------------------------|--------------------------|--|--|
| : | Αι | TRRC 9 Western Avenue 1gusta, ME 04330 | |
| | Dani 2022.01 | POF NEW JODD NIEL T BUILTIN 079800 079800 CLEARES BUILTIN 079800 CLEARES BUILTIN 20 14:07:03-04'00' | |
| <u>KE</u> , | Y PLAN: | | |
| | VISIONS: | | |
| 0. | DATE | | |
| 0 1 | 01/19/2022 06/27/2022 | DESIGN DRAWINGS | |
| 2 | 07/20/2022 | ISSUED FOR PERMIT | |
| - | - | - | |
| - | - | - | |
| - | - | - | |
| - | - | - | |
| - ^ | - 0 IEOT TIT | - - E· | |
| | OJECT TII | LC. | |
| BROOKSIDE SOLAR PROJECT | | | |
| PR | OJECT LO | CATION: | |
| | CHAT | OF BURKE AND EAUGAY, NY | |
| ЗНІ | EET TITLE | & DESCRIPTION: | |
| | | R CROSSING DETAILS | |
| | 1 | | |
| PRO IUM | | 422299 | |
|)ES: | C. | WINTERMUTE | |
| WN | l: C. | WINTERMUTE | |
| HK | : | J. HEIDIG | |
| PV: | : | - | |
| ATI | | 05/21/2021 | |
| CA | LE AT 22" x 34 | 4": | |
| | ~ | | |

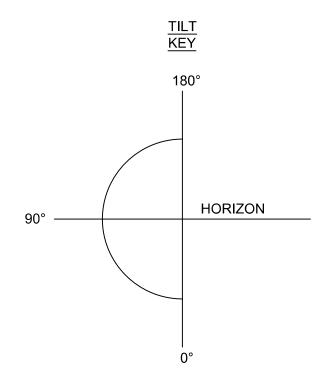


| aes | | | |
|--|---|----------|--|
| | South 1300 East, Suite 600 Lake City, UT 84106-2749 (801) 679 - 3500 | | |
| | 249 Western Avenue Augusta, ME 04330 | | |
| PE STAMP: | | | |
| KEY PLAN: | DF NEW LOOP NEL T BUT THE OF NEW LOOP HILL T BUT THE OF NEW LOOP OF NEW LOOP | | |
| | | | |
| | | | |
| REVISIONS: NO. DATE | DESCRIPTION | 1 | |
| 0 01/19/2022 | DESIGN DRAWINGS | | |
| 1 06/27/2022 2 07/20/2022 | ISSUED FOR PERMIT ISSUED FOR PERMIT - | | |
| | - | | |
| | - | | |
| | - | | |
| BROOKSIDE SOLAR PROJECT | | | |
| F | | | |
| | | | |
| F PROJECT LO TOWNS CHA | OF BURKE A | AND Y | |
| F PROJECT LO TOWNS CHA | OF BURKE | AND Y | |
| F PROJECT LO TOWNS CHA SHEET TITLE | OF BURKE A | AND Y | |
| F PROJECT LO TOWNS CHA SHEET TITLI SITE | OF BURKE A FEAUGAY, N E & DESCRIPTION: | AND Y | |
| PROJECT LO TOWNS CHA SHEET TITLI SITE C | OF BURKE A TEAUGAY, N E & DESCRIPTION: E ENTRANCE DETAILS 1 | AND Y | |
| PROJECT LO TOWNS CHA SHEET TITLI SITE C PROJ NUM: DES: C. | OF BURKE A TEAUGAY, N E & DESCRIPTION: E ENTRANCE DETAILS 1 | AND Y | |
| PROJECT LC TOWNS CHA SHEET TITLI SITE C PROJ NUM: DES: C. DWN: C. | OF BURKE A FEAUGAY, N E & DESCRIPTION: E & DESCRIPTION: E ENTRANCE DETAILS 1 | AND Y | |
| PROJECT LO TOWNS CHA SHEET TITLI SITE C PROJ NUM: DES: C. DWN: C. CHK: | OF BURKE A TEAUGAY, N E & DESCRIPTION: E ENTRANCE DETAILS 1 | AND Y | |
| PROJECT LC TOWNS CHA SHEET TITL SHEET TITL SITE CHK: CHK: APV: | OF BURKE A FEAUGAY, N E & DESCRIPTION: E | AND Y | |
| PROJECT LO TOWNS CHA SHEET TITLI SITE C PROJ NUM: DES: C. DWN: C. CHK: | OF BURKE A FEAUGAY, N E & DESCRIPTION: E & DESCRIPTION: E & DESCRIPTION: 422299 WINTERMUTE 422299 WINTERMUTE J. HEIDIG 05/21/2021 | AND Y | |
| PROJECT LO TOWNS CHA SHEET TITLI SHEET TITLI SHEET TITLI DES: C. DWN: C. CHK: APV: DATE: SCALE AT 22" x 3 | OF BURKE A FEAUGAY, N E & DESCRIPTION: E & DESCRIPTION: E & DESCRIPTION: 422299 WINTERMUTE 422299 WINTERMUTE J. HEIDIG 05/21/2021 | AND Y | |



| aes | | |
|--|--|--|
| 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 | | |
| 249 Western Avenue Augusta, ME 04330 | | |
| PE STAMP: | | |
| PE STAMP: | | |
| KEY PLAN: | | |
| | | |
| REVISIONS: | | |
| NO. DATE DESCRIPTION | | |
| 0 01/19/2022 DESIGN DRAWINGS | | |
| 1 06/27/2022 ISSUED FOR PERMIT | | |
| 2 07/20/2022 ISSUED FOR PERMIT | | |
| | | |
| | | |
| | | |
| PROJECT TITLE: | | |
| BROOKSIDE SOLAR PROJECT | | |
| PROJECT LOCATION: | | |
| TOWNS OF BURKE AND CHATEAUGAY, NY | | |
| SHEET TITLE & DESCRIPTION: | | |
| SITE ENTRANCE DETAILS 2 | | |
| | | |
| PROJ 422200 | | |
| NUM: 422299 | | |
| DES: C. WINTERMUTE | | |
| DWN: C. WINTERMUTE | | |
| снк: J. HEIDIG | | |
| APV: - | | |
| DATE: 05/21/2021 | | |
| SCALE AT 22" x 34": | | |
| AS NOTED | | |
| SHEET NO: REV: PV-C.08.02 2 | | |

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



| | TABLE 1 - LIGHTING FIXTURE SCHEDULE (NOTE 2) | | | | | | | | | | | |
|------|--|-----------------|---------|-----------------|--------|------------|------------|---|---------------------------|--|--|--|
| | | FIXT | URE | | | | | LAMP | PHOTO-ELECTRIC CONTROL | | | |
| TYPE | WATTAGE | LIGHT SOURCE | VOLTAGE | WEIGHT (LBS) | LUMENS | NEMA CLASS | TILT ANGLE | MANUFACTURER (GE) ITEM # | MANUFACTURER ITEM # | | | |
| A3 | 150W | LED | 120V | 26 | 18,800 | 7X6 | 60° | GE EVOLVE EFH101AA76740 W/ TOP & SIDE VISOR TSDKBZ-EFH | N/A | | | |

| | 0.6 | 0.8 | 1 1 | 1 / | 1.9 | 24 | 27 | 20 | 26 | , 1.6 | 0.6 | 0.2 | 0.0 | 0.0 | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------|------------------------|---------|---------------------|--------------------------|--------------|---|
| | +0.6 | +0.0 | +1.1 | $+^{1.4}$ | + | +2.4 | +2.7 | +2.9 | +2.6 | <hr/> + ^{1.0} | +0.6 | +0.2 | +0.0 | +0.0 | |
| | | | | | | | | | | | | | | | |
| | 0.7 | 0.0 | 1.0 | 17 | 25 | 2.4 | 4.6 | F 7 | 5.0 | | 1 5 | 0.4 | 0.1 | 0.0 | |
| | +0.7 | $+^{0.9}$ | + ^{1.3} | +1.7 | +2.5 | $+^{3.4}$ | $+^{4.6}$ | +5.7 | $+^{5.9}$ | +4.2 | +1.5 | $+^{0.4}$ | +0.1 | $+^{0.0}$ | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | + ^{0.8} | + ^{1.0} | +1.4 | /+2.1 | + ^{3.1} | $+^{4.5}$ | +6.7 | +9.6 | +12.5 | +10.6 | +3.5 \ | \ + ^{0.9} | +0.1 | $+^{0.0}$ | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | +0.8 | +1.1 | +1.6 | $/ +^{2.3}$ | $+^{3.6}$ | +5.5 | + ^{8.6} | + ^{13.5} | +19.8 | $+^{20.5}$ | +7.1 | \ ₊₊ 1.7 | +0.2 | $+^{0.0}$ | |
| | | | | | | | | | STATION LIG | | | /LIGł | HTING DESIG | | |
| _ | | | | | | | | | | | | Å | | STATION ROAD | , |
| | +0.8 | +1.2 | +1.7 | +2.5 | $+^{3.8}$ | +6.0 | +9.8 | + ^{16.1} | 25.2 | 27.9 | 10.0 | (SX)+2.3 | +0.2 | +0.0 | |
| | | | | | | | | | | | | - | | | |
| | | | | | | | | | | | | | | | |
| | U | -LJ | +1.6 | <u>2.4</u> | +3.8 | + ^{5.9} | | +15.6 | 24.0 | 26.2 | 9.3 | <u></u> 2.2 | +0.2 | 0.0 | |
| | | | . \ | | | | | | - | 9'-6" | | | | | |
| | | | | | | , | | | | | I | | SIAI | ION FENCE | |
| | +0.8 | +1.1 | + ^{1.5} | \2.3 | +3.4 | +5.2 | +8.1 | +12.4 | 17.6 | +17.7 | +6.0 | ∫ ₊ 1.5 | +0.2 | +0.0 | |
| | I | Ι | I | | | | · \ | I | | I | I | | I | I | |
| | | | | | | | | | | | / | / | | | |
| | +0.7 | +1.0 | +1.4 | 2.0 | 2.9 | +4.2 | +6.0 | +8.4 | 10.3 | +8.1 | 2.7 / | 0.7 | +0.1 | +0.0 | |
| | + | + | + | T | + | + | + | + | | + | * | · | | | |
| | | | | | | | | | | | | GATE S (24' GA | SIZE VARIES TE SHOWN) | | |
| | +0.7 | _0.9 | +1.2 | +1.6 | +2.3 | +3.1 | +4.1 | 4.6 | +4.7 | + ^{3.2} | +1.1 | +0.3 | +0.0 | +0.0 | |
| | + | + | + | + \ | + | + | + | + | + | + / | / + | + | + | + | |
| | | | | | \mathbf{i} | | | | | | | IGHTING CC | NTOUR | | |
| | +0.6 | 0.8 | 10 | 13 | 17 | 2.1 | 23 | 24 | +20 | 12 | 0.5 | 02 | 0.0 | 0.0 | |
| | + | +0.8 | +1.0 | + ^{1.3} | +1.7 | + | +2.3 | +2.4 | × | +1.2 | +0.5 | +0.2 | +0.0 | +0.0 | |
| | | | | | | | | | | | | | | | |
| | 0.5 | 0.6 | 0.8 | 1.0 | 1 1 | 13 | 13 | 1 1 | ΛQ | 0.6 | 0.2 | 0.1 | 0.0 | 0.0 | |
| | +0.5 | $+^{0.6}$ | +0.8 | $+^{1.0}$ | +1.1 | +1.3 | $+^{1.3}$ | +1.1 | $+^{0.9}$ | +0.6 | +0.2 | +0.1 | +0.0 | +0.0 | |
| | | | | | | | SUN E. | 3/16" = 1'-0' | 1 | | | | | | |
| | 0.4 | 0.5 | 0.0 | 0.7 | 0.7 | 0.0 | | | | 0.0 | 0.4 | 0.0 | 0.0 | | |
| | +0.4 | +0.5 | + ^{0.6} | +0.7 | +0.7 | +0.8 | +0.7 | +0.6 | +0.4 | +0.3 | +0.1 | $+^{0.0}$ | +0.0 | $+^{0.0}$ | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

| +0.6 | 0.8 | _1.1 | + ^{1.4} | 1.9 | 2.4 | 2.7 | 2.9 | 2.6 | , 1.6 | +0.6 | +0.2 | 0.0 | +0.0 | |
|-------------------------|------------------|------------------|------------------|-----------|------------------|------------------|------------------|-------------------|---------------------|-------------------|--------------------|--------------------------|------------------|-----------|
| + | + | + | + | + | + | + | + | + < | + | + | + | + | + | |
| 0.7 | 0.0 | 4.0 | 47 | 25 | 2.4 | 4.6 | F7 | 5.0 | | | 0.4 | 0.4 | 0.0 | |
| +0.7 | $+^{0.9}$ | + ^{1.3} | +1.7 | +2.5 | $+^{3.4}$ | +4.6 | +5.7 | +5.9 | +4.2 | +1.5 | +0.4 | +0.1 | +0.0 | |
| | | | | | | | | | | | | | | |
| +0.8 | + ^{1.0} | $+^{1.4}$ | /+2.1 | +3.1 | +4.5 | +6.7 | + ^{9.6} | + ^{12.5} | + ^{10.6} | +3.5 | \ + ^{0.9} | +0.1 | +0.0 | |
| | | | | | | | | | | | | | | |
| +0.8 | 1.1 | +1.6 | / _2.3 | 3.6 | _ ^{5.5} | + ^{8.6} | +13.5 | +19.8 | +20.5 | +7.1 | \1.7 | +0.2 | +0.0 | |
| ' | | | | I | | · | | STATION LIG | | , | | HTING DESIG | ΝΑΤΙΟΝ | |
| | | | | | | | | | | | | | | TION ROAD |
| +0.8 | +1.2 | + ^{1.7} | +2.5 \ | $+^{3.8}$ | $+^{6.0}$ | +9.8 | _16.1 + | ^{25.2} | + ^{27.9} \ | + ^{10.0} | (SX)+2.3 | +0.2 | +0.0 | |
| | _ | | _ | | | | | | _ | 2, 0 5, 0 | | _ | _ | |
| 0.8 + ^{0.8} | - <u>[]</u> | +1.6 | +2.4 | +3.8 | + ^{5.9} | $(1)^{-9.5}$ | +15.6 | 24.0 | | <u>9</u> .3 | | +0.2 | +0.0 | |
| | | | | | | | | | 9'-6" | | | STAT | ION FENCE | |
| +0.8 | +1.1 | +1.5 | +2.3 | +3.4 | + ^{5.2} | 8,1 | +12.4 | +17.6 | + ^{17.7} | +6.0 |)1.5 | +0.2 | +0.0 | |
| + | + | + | | | + | + | + | | + | + | /+ | + | + | |
| 0.7 | 1.0 | | | | | 0.0 | | | | | / | 0.4 | | |
| +0.7 | +1.0 | + ^{1.4} | 2.0 | +2.9 | +4.2 | +6.0 | + ^{8.4} | +10.3 | +8.1 | 2.7 | +0.7 | +0.1 | +0.0 | |
| | | | | | | | | | | | GATE S (24' GA | SIZE VARIES TE SHOWN) | | |
| +0.7 | +0.9 | +1.2 | +1.6 | +2.3 | + ^{3.1} | +4.1 | +4.6 | +4.7 | + ^{3.2} ∠ | +1.1 | +0.3 | +0.0 | +0.0 | |
| | | | | | | | | | | | IGHTING CC | NTOUR | | |
| +0.6 | +0.8 | +1.0 | +1.3 | +1.7 | 2.1 | +2.3 | +2.4 | 120 | +1.2 | +0.5 | +0.2 | +0.0 | +0.0 | |
| Ч | ľ | I | I | Ι | | | | | I | I | I | I | I | |
| 0.5 | 0.6 | 0.9 | 1.0 | 1 1 | 1 0 | 1 2 | 1 1 | 0.0 | 0.6 | 0.2 | 0.1 | 0.0 | 0.0 | |
| +0.5 | $+^{0.6}$ | +0.8 | +1.0 | $+^{1.1}$ | + ^{1.3} | + ^{1.3} | $+^{1.1}$ | +0.9 | $+^{0.6}$ | +0.2 | +0.1 | +0.0 | + ^{0.0} | |
| | | | | | | SCALE: | 3/16" = 1'-0" | | | | | | | |
| +0.4 | +0.5 | +0.6 | +0.7 | +0.7 | +0.8 | +0.7 | +0.6 | +0.4 | +0.3 | +0.1 | +0.0 | +0.0 | +0.0 | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |



NOTES:

1. ENTRANCE GATE LIGHTING IS COMPRISED OF (1) 150W,120V AC LED FLOODLIGHT PER GATE. THIS GATE DETAIL IS APPLICABLE TO ALL PV YARD AND O&M YARD GATES. (20) PV YARD GATES AND (1) O&M GATE. A TOTAL OF (21) FIXTURES ARE REQUIRED.

2. LIGHT FIXTURES TO BE MOUNTED ON INDICATED STRUCTURES 15' ABOVE FINISHED GRADE. THE FIXTURES SHALL BE AIMED AS SHOWN ON THIS DRAWING AND HAVE A TILT ANGLE BASED ON THE FIXTURE SCHEDULE.

LIGHTING CONTOUR IS 2 FT CANDLES (F.C.) AVERAGE FOR THIS YARD.

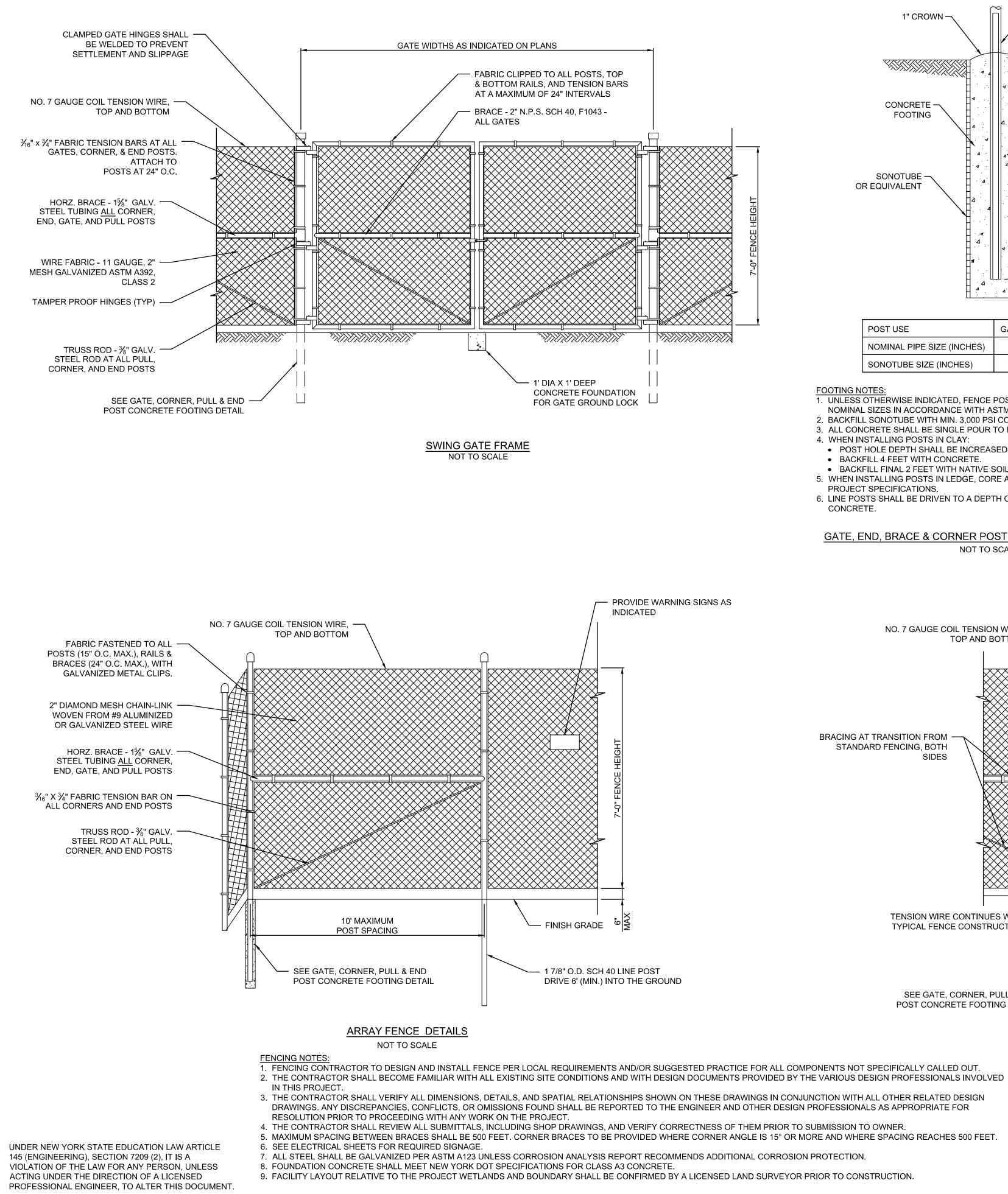
4. FLOODLIGHTS INSTALLED WITH TOP AND SIDE VISORS ACHIEVE FULL CUTOFF REQUIREMENT (0 F.C.) ABOVE FIXTURE.

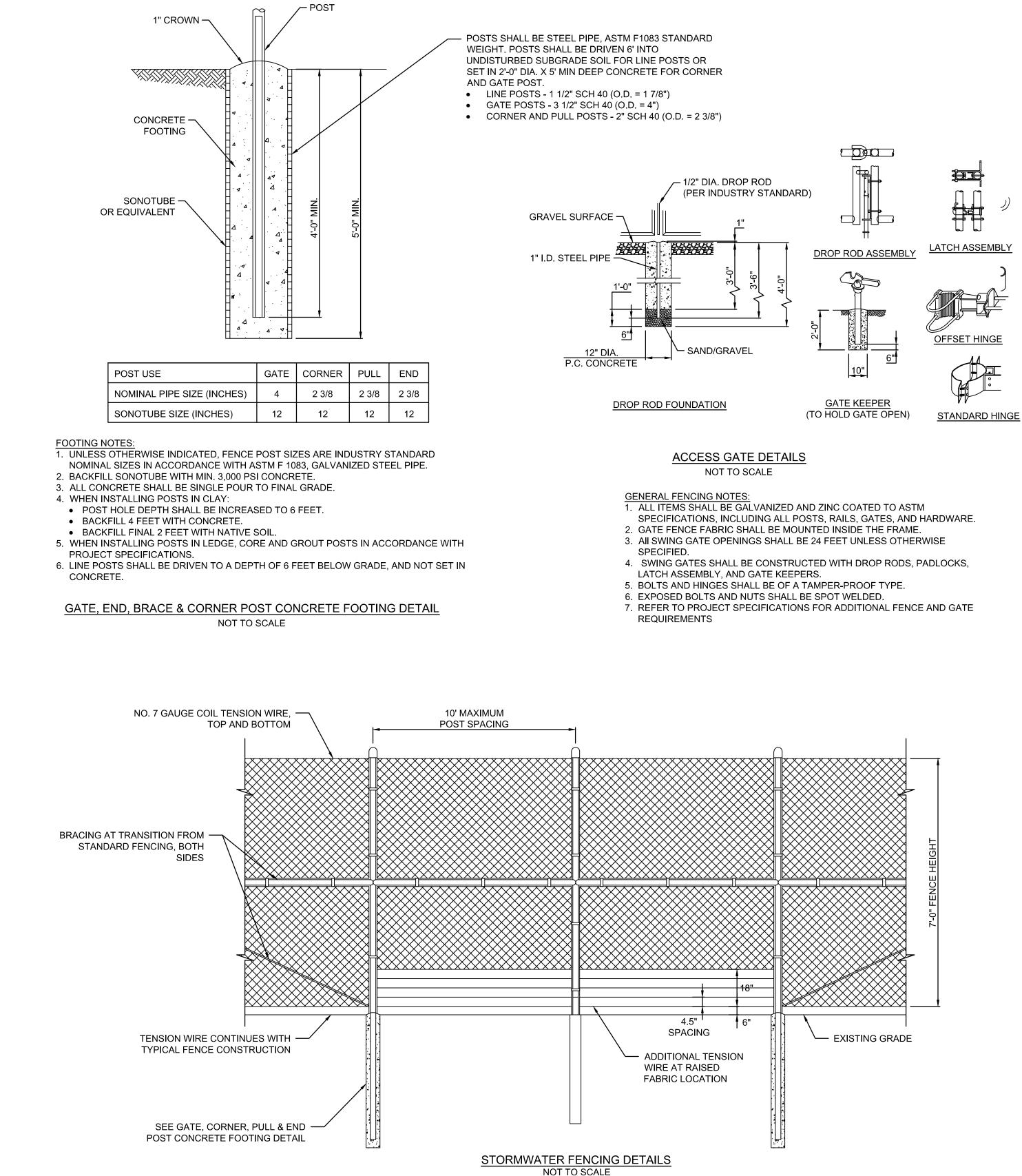
5. GATE LIGHTS SHALL BE CAPABLE OF MANUAL SHUT-OFF.







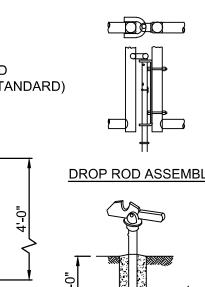




FROM THE GROUND.) 4. ADDITIONAL BRACING OR LARGER POST SIZE MAY BE REQUIRED TO SPAN WETLANDS ONSITE.

STORMWATER FENCING NOTES

STORMWATER FENCING.



€

- 1. THE STORMWATER FENCES SHOULD BE INSPECTED AFTER RUNOFF PRODUCING STORM EVENTS AND CLEARED OF DEBRIS. 2. POST REPLACEMENT SHOULD BE AVOIDED IF POSSIBLE AND MINIMIZED WITHIN THE WETLAND CROSSINGS. CONTRACTOR MUST NOT ALLOW VEHICLES TO CROSS THE WETLANDS EXCEPT WHEN ABSOLUTELY REQUIRED TO INSTALL THE
- 3. TENSION WIRE STRANDS AT THE BOTTOM, WITH A MAXIMUM OF 6 INCHES BETWEEN STRANDS FOR 24 INCHES (STARTING

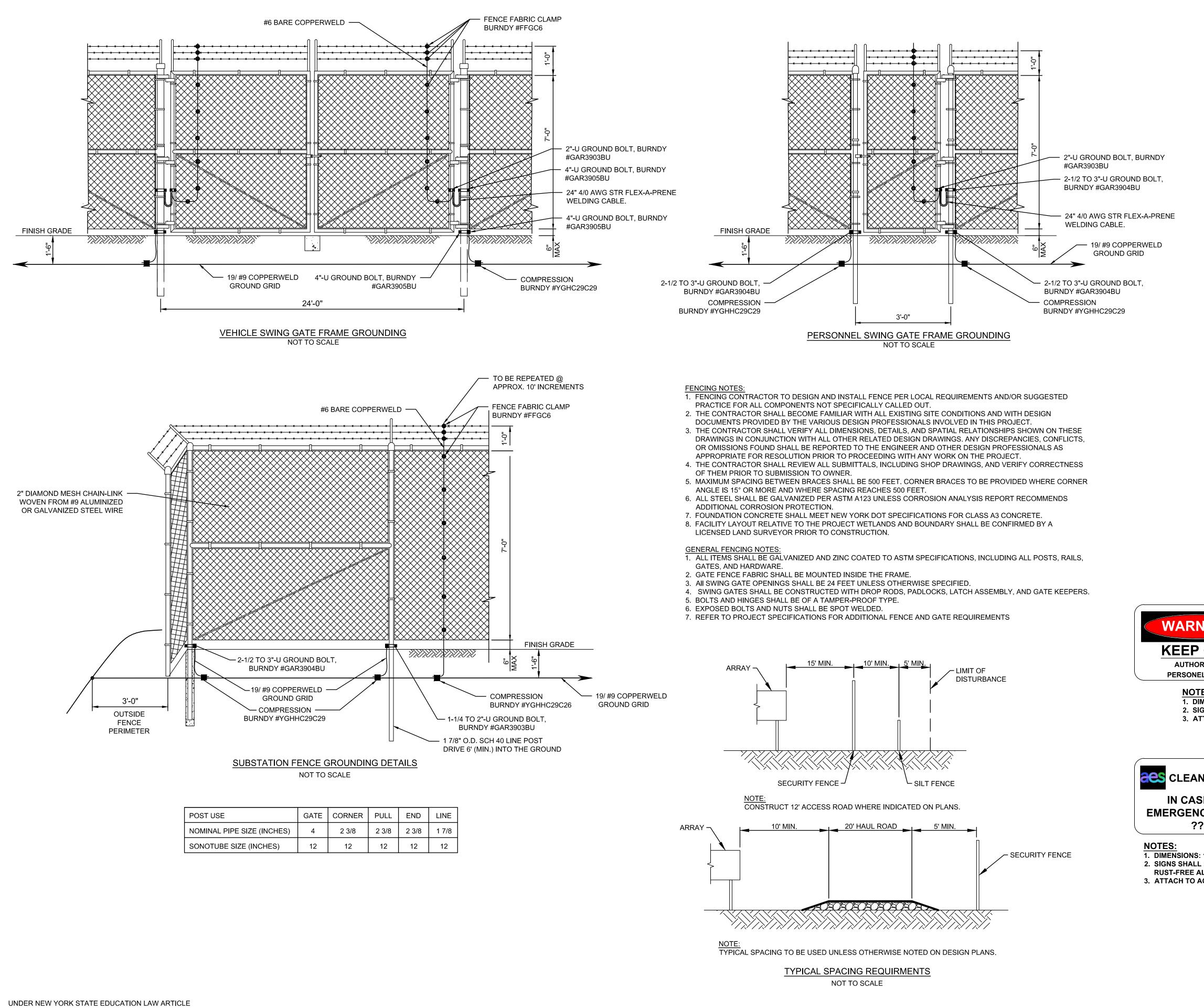


SHEET NO:

PV-C.10.01



| | | Outh 1300 East, Suite 600 ake City, UT 84106-2749 (801) 679 - 3500 |
|------------|--------------------------|--|
| | Αι | TRRC 9 Western Avenue 1gusta, ME 04330 |
| PE | STAMP: | |
| | Da 2022. | DF NEW LOOP ANIEL T BUILTIN 079800 079800 0FESSIONAL DOFESSIONAL 2014:12:59-04'00' |
| <u>KE</u> | Y PLAN: | |
| | | |
| | VISIONS: | |
| NO. | DATE | |
| 0 1 | 01/19/2022 06/27/2022 | DESIGN DRAWINGS |
| 2 | 07/20/2022 | ISSUED FOR PERMIT |
| - | - | - |
| - | - | - |
| | - | - - |
| - | - | |
| PR | | [LE: |
| | F | KSIDE SOLAR ROJECT |
| PR | OJECT LO | CATION: |
| T | | OF BURKE AND EAUGAY, NY |
| SH | EET TITLE | & DESCRIPTION: |
| | | AY FENCING DETAILS |
| | | |
| PRC NUM | | 422299 |
| DES | | WINTERMUTE |
| DWN | N: C. | WINTERMUTE |
| снк | <: | J. HEIDIG |
| APV | : | _ |
| DAT | E: | 05/25/2021 |
| SCA | LE AT 22" x 34 | 4": |
| | A | S NOTED |



| POST USE | GATE | CORNER | PULL | END | LINE |
|----------------------------|------|--------|-------|-------|-------|
| NOMINAL PIPE SIZE (INCHES) | 4 | 2 3/8 | 2 3/8 | 2 3/8 | 1 7/8 |
| SONOTUBE SIZE (INCHES) | 12 | 12 | 12 | 12 | 12 |

145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

| | 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 |
|--|--|
| | 249 Western Avenue Augusta, ME 04330 |
| | PE STAMP: |
| | CONTRACTOR OF NEW TOTAL CONTRACTOR OF NEW TOT |
| | KEY PLAN: |
| SPEED LIMIT | |
| | REVISIONS: NO. DATE DESCRIPTION |
| 15 | 0 01/19/2022 DESIGN DRAWINGS |
| | 1 06/27/2022 ISSUED FOR PERMIT |
| | 2 07/20/2022 ISSUED FOR PERMIT |
| NOTES: | · · · |
| 1. DIMENSIONS: 30" X 24". 2. SIGNS SHALL BE 0.080" (MIN.) | |
| RUST-FREE ALUMINUM. 3. INSTALL AT LOCATIONS | |
| SHOWN ON PLANS. | PROJECT TITLE: |
| NING PRIVATE PROPERTY | BROOKSIDE SOLAR PROJECT |
| OUT NO | PROJECT LOCATION: |
| RIZED EL ONLY ES: MENSIONS: 18" X 12". GNS SHALL BE 0.040" (MIN.) RUST-FREE ALUMINUM. TTACH TO OUTSIDE OF PERIMETER FENCE EVERY 200' MAX. | TOWNS OF BURKE AND CHATEAUGAY, NY |
| | SHEET TITLE & DESCRIPTION: |
| N ENERGY SE OF CY CALL: N HIGH VOLTAGE AUTHORIZED PERSONEL ONLY | SUBSTATION FENCING DETAILS |
| NOTES: 18" X 12". 1. DIMENSIONS: 18" X 12". . BE 0.040" (MIN.) 2. SIGNS SHALL BE 0.040" (MIN.) .LUMINUM. RUST-FREE ALUMINUM. | |
| ACCESS GATES. 3. ATTACH TO SUBSTATION ACCESS GATE AND SECURITY | PROJ 422299 NUM: |
| FENCE. | DES: C. WINTERMUTE |
| SITE SIGNAGE | DWN: C. WINTERMUTE |
| NOT TO SCALE | снк: J. HEIDIG |
| | APV: - |
| Call 811 | DATE: 05/25/2021 SCALE AT 22" x 34": |
| | JUALL AI 22 X 34 . |
| | AS NOTED |
| NOT FOR CONSTRUCTION | |
| | PV-C.10.02 2 |
| | |

ARRAY TECHNOLOGIES FOLLOW THE SUN. FOLLOW THE LEADER.



7% LOWER 31% LOWER LIFETIME

0&M

DuraTrack[®] HZ v3

Three decades of field-tested design improvements have resulted in the DuraTrack® HZ v3 the most durable, reliable tracking system under the sun. While our single-bolt module clamp and forgiving tolerances streamline installation, and our flexibly linked architecture maximizes power density, it's our innovative use of fewer components and a failure-free wind management system that makes Array Technologies the best choice for solar trackers. Better. Stronger. Smarter.





COST VERSUS VALUE THE GLOBAL LEADER IN RELIAE

We believe value is more than the cost of a tracking Array has spent decades designing and p system. It's about building with forgiving tolerances the most reliable tracker on the planet. F and fewer parts so construction crews can work moving parts, stronger components and efficiently. It means protecting your investment with design that protects your investment in the a failure-free wind management system. It also harshest weather are but a few of the im includes increasing power density. But most of all, differences that keep your system running value is measured in operational uptime, or reliability. flawlessly all day and you resting easy at

30 GW YEARS OF **167**× FEWE

| Up to 1.152 MW DC Up to 1.500V DC 32 100 modules crystalline, and bifacial: 240 modules First Solar 4: 78 modules First Solar 6 Rotating gear drive 2 HP, 3 PH, 480V AC |
|--|
| 32 100 modules crystalline, and bifacial: 240 modules First Solar 4: 78 modules First Solar 6 Rotating gear drive |
| 100 modules crystalline; and bifacial: 240 modules First Solar 4: 78 modules First Solar 6 Rotating gear drive |
| 240 modules First Sölar 4: 78 modules First Solar 6 Rotating gear drive |
| CARACTER AND CONSTRUCTIONS |
| 2 HP, 3 PH, 480V AC |
| |
| Site / module specific |
| 54" standard, adjustable (48" min height above grade) |
| Flexible, 28-45% typical, others supported on request |
| N-S tolorance: 0-15% standard, 26% optional. Driveline: 40° in all directions |
| Most commercially available, including frameless crystalline, thin film, and bifa |
| ± 52° standard, ± 62° optional |
| -30°F to 140°F (-34°C to 60°C) |
| Single-in-portrait standard, including bifacial. Four-in-landscape (thin film) |
| Single fastener, high-speed mounting clamps with integrated grounding. Traditional rails for crystalline in landscape, custom racking for thin film and frameless crystalline and bifacial per manufacturer specs. |
| Pre-galv steel, HDG steel and aluminum structural members, as required |
| 140 mph, 3-second gust exposure C |
| Failiure free passive mechanical system protects against wind damage without of complex communications systems, batteries — no power required |
| |

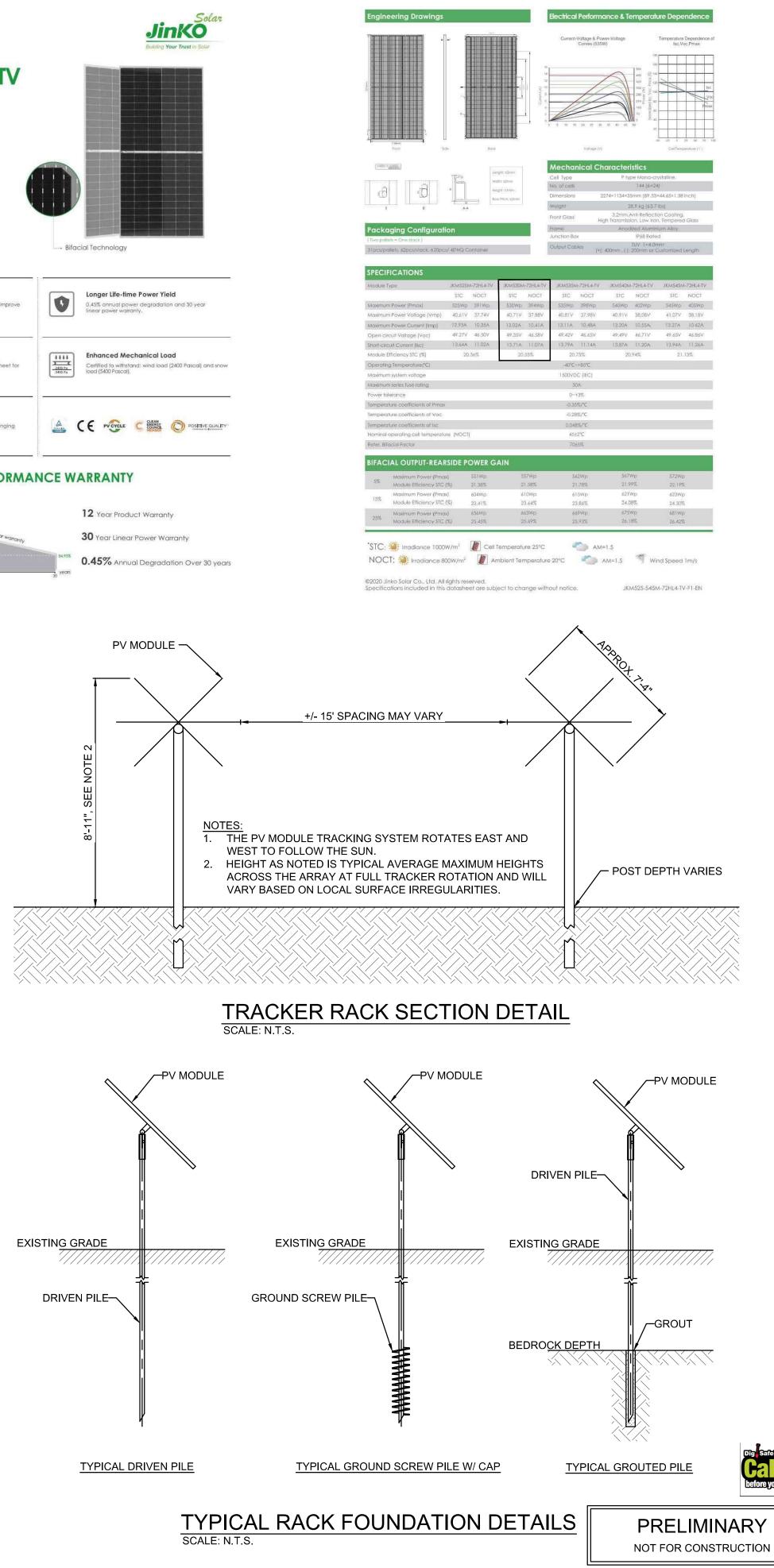
Array Technologies, Inc. reserves the right to make changes without notice.



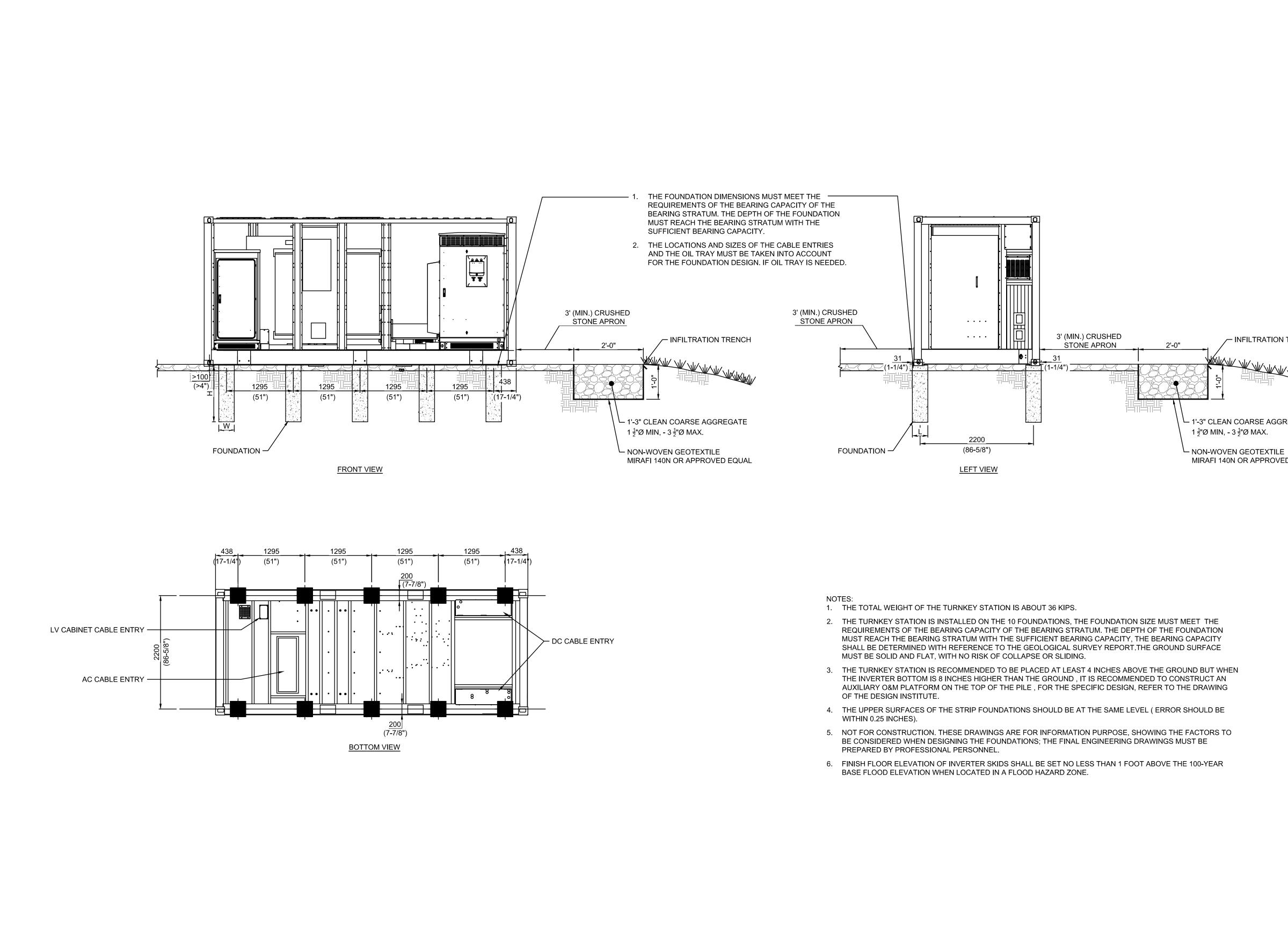


UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

| | | | | www.jinkosolar.com | Jink | Solar | Engineering Drawings |
|--|--|---|---|--|--|---|--|
| DER IN RELIABILITY des designing and perfecting ker on the planet. Fewer er components and intelligent your investment in the but a few of the innovative your system running you resting easy at night. | ARRAY TECHNOLOGIES, 3901 Midway Place NE Albuquerque, NM 87109 USA +1 505.881.7567 +1 855.TRACKPV (872.2578 +1.505.881.7572 sales@arraytechinc.com arraytechinc.com | | | Tiger Pro 72HC-TV 525-545 Watt BIFACIAL MODULE WITH TRANSPARENT BACKSHEET P-Type Positive power tolerance of 0~+3% | | | |
| FEWER COMPO | NENTS THAN 'Rackers | | | IEC61215(2016), IEC61730(2016) ISO9001:2015: Quality Management System ISO14001:2015: Environment Management System ISO45001:2018 Occupational health and safety management systems. | Bifacial Technology | | Packaging Configuration |
| | | | - | Key Features | - Bildeldi rechnology | | 31 pcs/pallels, 62pcs/stack, 620pcs/ 40 H |
| | ELECTRONIC CONTROLLER FEAT Solar Tracking Method Control Electronics Data Feed | URES/SPECIFICATIONS Algorithm with GPS input MCU plus Central Controller MODBUS over Ethernet to SCADA system | | Multi Busbar Technology Better light trapping and current collection to improve module power output and reliability. | Longer Life-time Power Yield 0.45% annual power degradation and linear power worranty. | d 30 year | SPECIFICATIONS Module Type JKM STI Maximum Pewer (Pmax) 525 Maximum Pewer Voltage (Vmp) 40.4 Maximum Pewer Current (Imp) 112.9 Open.circuit Voltage (Voc) 49.3 |
| e) | Night-time Stow Tracking Accuracy Backtracking INSTALLATION, OPERATION & | Yes ± 2° standard, field adjustable Yes MAINTENANCE | | Light-weight design Light-weight design using transparent backsheet for easy installation and low BOS cost. | Enhanced Mechanical Load Certified to withstand: wind load (2400 load (5400 Pascal): | I Pascal) and snow | Short-circuit Current (Isc) 13.4 Module Efficiency STC (%) Operating Temperature(*C) Maximum system voltage Maximum series fuse rating Power tolerance |
| st eline: 40° in all directions stalline, thin film, and bifacial | Software PE Stamped Structural Calculations & Drawings On-site Training and System Commissioning Connection Type | Smarfrack optimization available Yes Yuly bolted connections, no weiding | | Higher Power Output Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR. | | POSITIVE QUALITY * | Temperature coefficients of Prinax Temperature coefficients of Voc Temperature coefficients of Isc Nominal operating cell temperature (NC Refer, Bilacial Factor BIFACIAL OUTPUT-REARSIDE |
| n-landscape (thin film) tegrated grounding, racking for thin film and pecs. embers, as required | In-Tield Fabrication Required Dry Skide Bearings and Articulating Driveline Connections Scheduled Maintenance Madulo Cleaning Compatibility | No No lubrication required None required Rebotic, Tractor. | | | | | 5% Maximum Power (Pmax) Module Efficiency STC (%) Maximum Power (Pmax) Module Efficiency STC (%) Maximum Power (Pmax) |
| inst wind damage without the use power required | GENERAL Annual Power Consumption (KWh per 1 MW) | Manual 400 kWh per MW per year, estimate | | 995 Additional value from Jinko Solar's linear warranty | 30 Year Linear Power Warran | | *STC: 👾 Irradiance 1000W/m ² NOCT: 🔆 Irradiance 800W/r |
| | | REV 2.1 - 12SEPTEMBER2019 | | | PV MODULE - | | @2020 Jinko Solar Co., Ltd. All rights Specifications included in this data: |
| | | | | | | +/- 15 | ' SPACING MAY VARY |
| | L. | | | | 8'-11", SEE NOTE 2 | WEST TO FOLLOW T 2. HEIGHT AS NOTED IS ACROSS THE ARRAY | ACKING SYSTEM ROTATE THE SUN. S TYPICAL AVERAGE MAX Y AT FULL TRACKER ROT CAL SURFACE IRREGULA |
| 110 | | | | | | | |



| | | Outh 1300 East, Suite 600 ake City, UT 84106-2749 (801) 679 - 3500 | | | | | |
|-------------------|--------------------------------------|--|-----------|--|--|--|--|
| | Αι | TRC 9 Western Avenue 1gusta, ME 04330 | | | | | |
| PE | STAMP: | | | | | | |
| | Da 2022. | DF NEW LOAD NIEL T BUT THE OF NEW LOAD THE THE OF NEW LOAD THE THE OF NEW LOAD THE THE OF NEW LOAD THE THE OF NEW LOAD THE OF NEW LOAD THE | | | | | |
| KE | Y PLAN: | | | | | | |
| | | | | | | | |
| RE | VISIONS: | | | | | | |
| NO. | DATE | DESCRIPTION | l | | | | |
| 0 | 01/19/2022 | DESIGN DRAWINGS | | | | | |
| 1 2 | 06/27/2022 | ISSUED FOR PERMIT | | | | | |
| | | - | | | | | |
| ŀ | - | - | | | | | |
| - - | - | - | | | | | |
| <u>⊢</u> | - | - | | | | | |
| PR | | LE: | | | | | |
| | BROOKSIDE SOLAR PROJECT | | | | | | |
| PR | OJECT LO | CATION: | | | | | |
| | TOWNS OF BURKE AND CHATEAUGAY, NY | | | | | | |
| | EET TITLE | & DESCRIPTION: | | | | | |
| | ARRAY & RACKING DETAILS | | | | | | |
| | | | | | | | |
| | | 422299 | | | | | |
| DES | | WINTERMUTE | | | | | |
| DWI | | WINTERMUTE | | | | | |
| CHK | | J. HEIDIG | | | | | |
| APV DAT SCA | | - 05/21/2021 4": | | | | | |
| | А | S NOTED | | | | | |
| SHE | ET NO: | C.11.01 | REV: 2 | | | | |



UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

- THE INVERTER BOTTOM IS 8 INCHES HIGHER THAN THE GROUND , IT IS RECOMMENDED TO CONSTRUCT AN AUXILIARY O&M PLATFORM ON THE TOP OF THE PILE , FOR THE SPECIFIC DESIGN, REFER TO THE DRAWING

EQUIPMENT PAD DETAILS PREPARED AND PROVIDED BY SUNGROW.

- INFILTRATION TRENCH

└─ 1'-3" CLEAN COARSE AGGREGATE

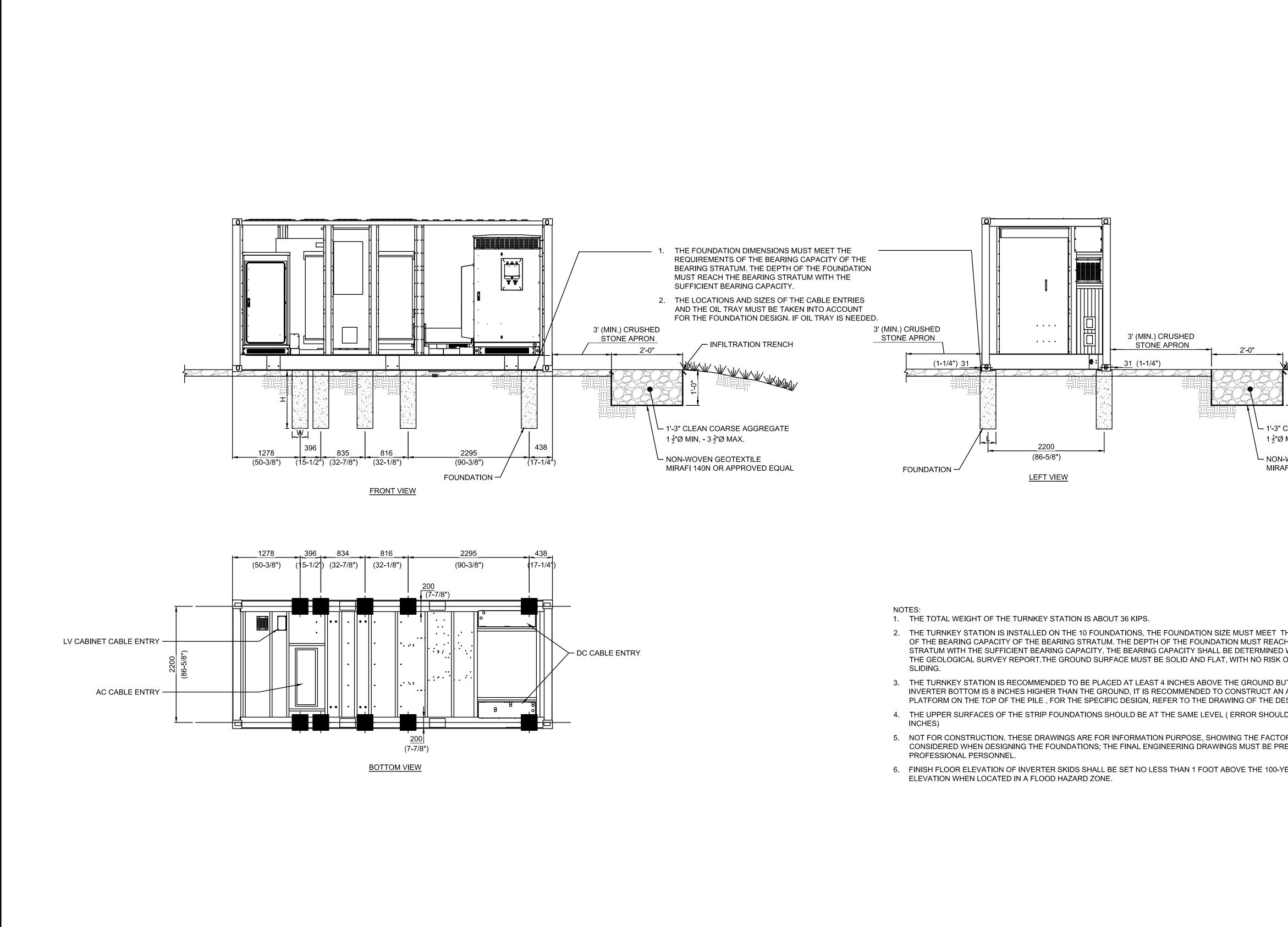
MIRAFI 140N OR APPROVED EQUAL

| v | |
|---|--|

| Dig Safe | y. New York |
|-----------|-------------|
| Cal | 1211 |
| before yo | u dig |
| | |

PRELIMINARY NOT FOR CONSTRUCTION

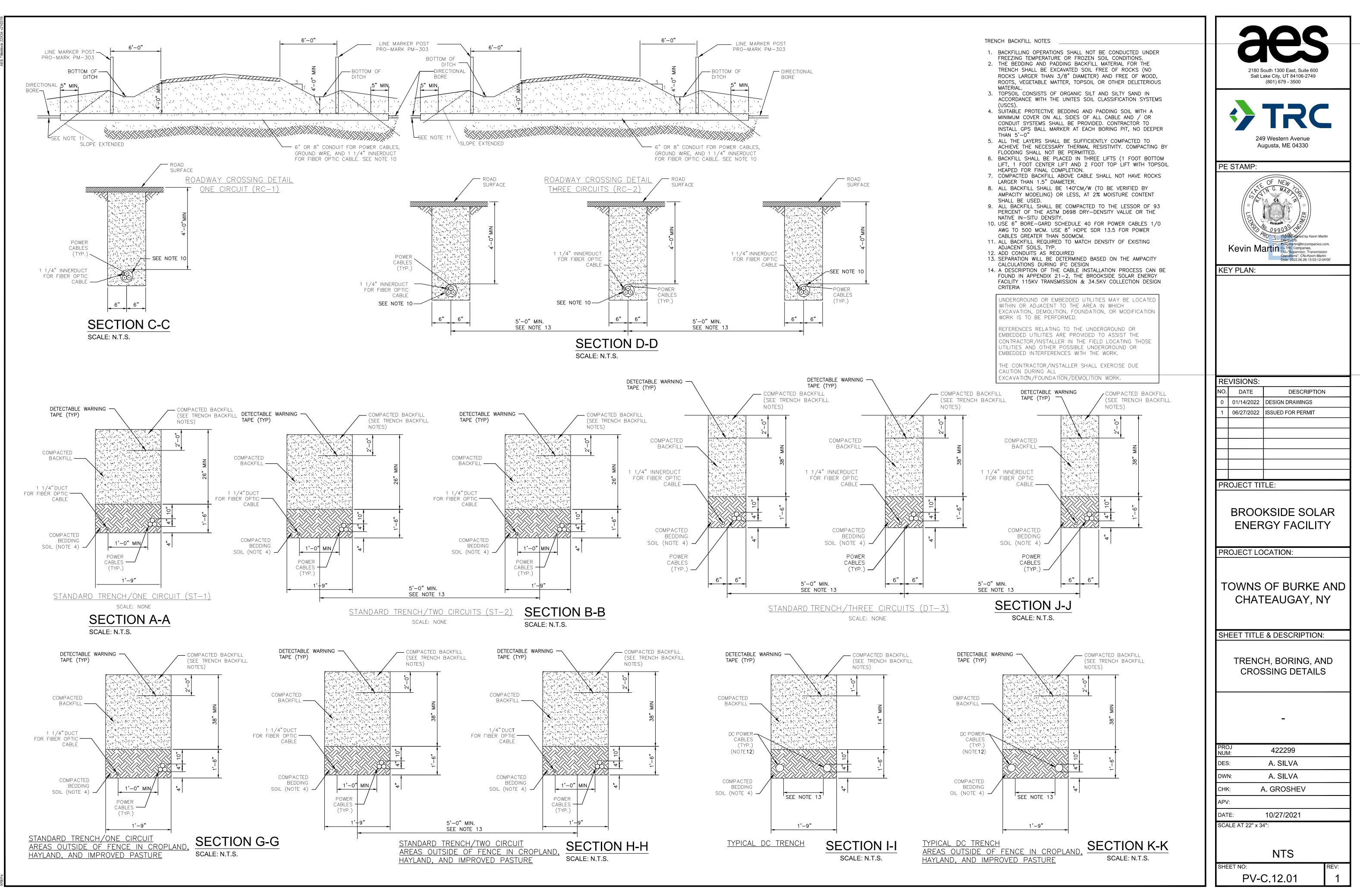
| 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 | |
|---|--|
| 249 Western Avenue Augusta, ME 04330 | |
| PE STAMP: | |
| Daniel Thomas Butler 2022.01/20 14:19:43-04'00' | |
| KEY PLAN: | |
| | |
| REVISIONS: | |
| NO. DATE DESCRIPTION 0 01/19/2022 DESIGN DRAWINGS | |
| 0 01/19/2022 DESIGN DRAWINGS 1 06/27/2022 ISSUED FOR PERMIT | |
| 2 07/20/2022 ISSUED FOR PERMIT | |
| | |
| | |
| - <u>-</u> - | |
| | |
| PROJECT TITLE: | |
| BROOKSIDE SOLAR PROJECT | |
| PROJECT LOCATION: | |
| TOWNS OF BURKE AND CHATEAUGAY, NY | |
| | |
| EQUIPMENT PAD DETAILS | |
| | |
| PROJ NUM: 422299 | |
| DES: C. WINTERMUTE | |
| DWN: C. WINTERMUTE | |
| снк: J. HEIDIG | |
| APV: - | |
| DATE: 05/21/2021 SCALE AT 22" x 34": | |
| AS NOTED | |
| SHEET NO: REV: PV-C.11.02 2 | |

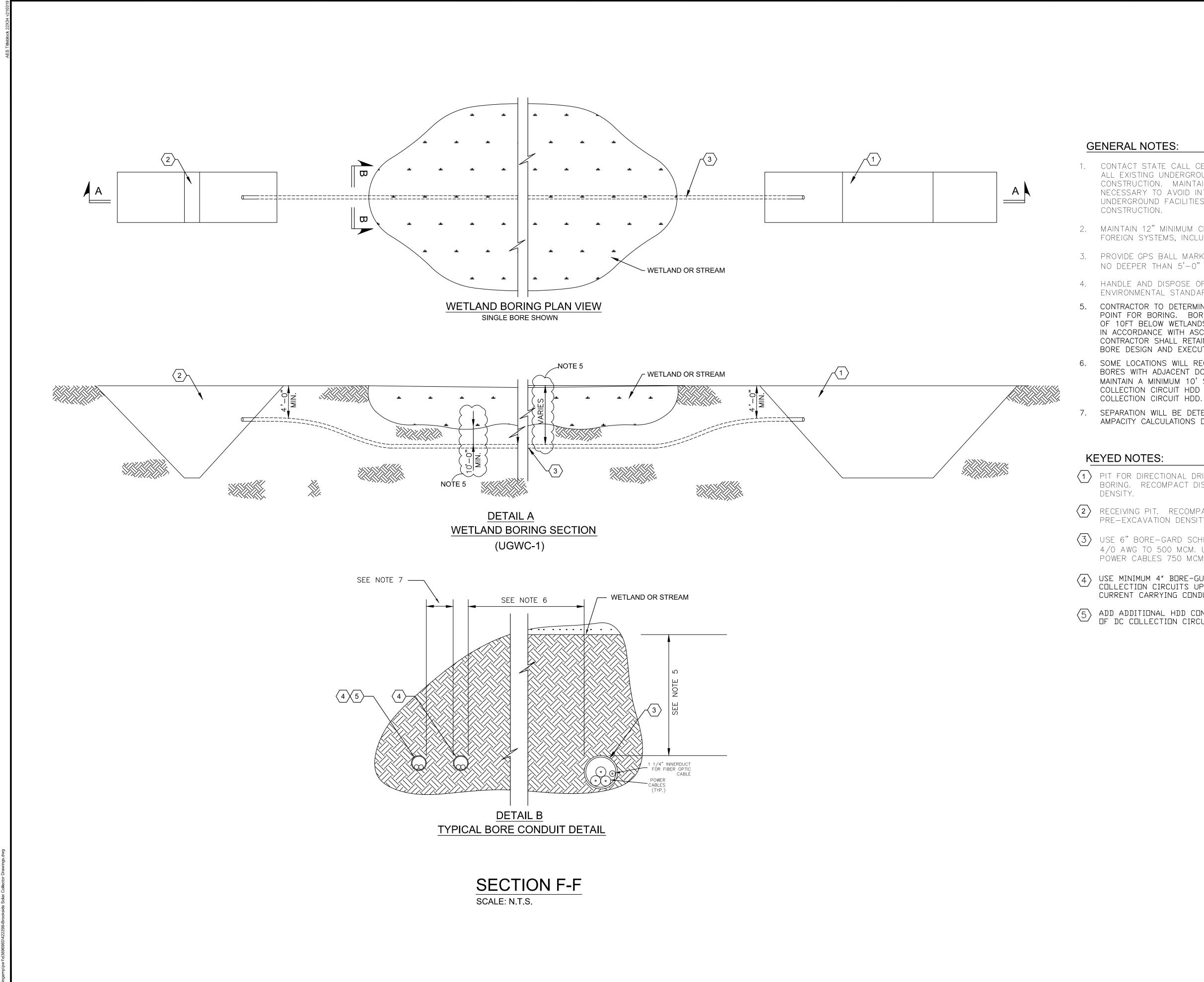


UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

- OF THE BEARING CAPACITY OF THE BEARING STRATUM. THE DEPTH OF THE FOUNDATION MUST REAC STRATUM WITH THE SUFFICIENT BEARING CAPACITY, THE BEARING CAPACITY SHALL BE DETERMINED THE GEOLOGICAL SURVEY REPORT. THE GROUND SURFACE MUST BE SOLID AND FLAT, WITH NO RISK (
- INVERTER BOTTOM IS 8 INCHES HIGHER THAN THE GROUND, IT IS RECOMMENDED TO CONSTRUCT AN
- CONSIDERED WHEN DESIGNING THE FOUNDATIONS; THE FINAL ENGINEERING DRAWINGS MUST BE PR
- 6. FINISH FLOOR ELEVATION OF INVERTER SKIDS SHALL BE SET NO LESS THAN 1 FOOT ABOVE THE 100-YE

| | 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 (801) 679 - 3500 |
|--|--|
| | 249 Western Avenue Augusta, ME 04330 |
| | PE STAMP: |
| INFILTRATION TRENCH | KEY PLAN: |
| CLEAN COARSE AGGREGATE 9 MIN, - 3 ¹ /9 MAX. -WOVEN GEOTEXTILE AFI 140N OR APPROVED EQUAL | REVISIONS: NO. DATE DESCRIPTION 0 01/19/2022 DESIGN DRAWINGS 1 06/27/2022 ISSUED FOR PERMIT 2 07/20/2022 ISSUED FOR PERMIT - - - - - - - - - - - - - - - |
| THE REQUIREMENTS | PROJECT TITLE: BROOKSIDE SOLAR PROJECT |
| CH THE BEARING WITH REFERENCE TO OF COLLAPSE OR UT WHEN THE I AUXILIARY O&M ESIGN INSTITUTE. | PROJECT LOCATION: |
| LD BE WITHIN 0.25 DRS TO BE REPARED BY | CHATEAUGAY, NY |
| /EAR BASE FLOOD | EQUIPMENT PAD DETAILS |
| | PROJ 422200 |
| | PROJ NUM: 422299 DES: C. WINTERMUTE DWN: C. WINTERMUTE CHK: J. HEIDIG |
| Dig Safely, flaw Vork Call 81 before you dig | APV: - DATE: 05/21/2021 SCALE AT 22" x 34": |
| GROW. PRELIMINARY NOT FOR CONSTRUCTION | AS NOTED |
| | PV-C.11.03 2 |





- CONTACT STATE CALL CENTER (811) FOR MARK-OUT OF ALL EXISTING UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION. MAINTAIN FIELD MARKINGS AS NECESSARY TO AVOID INTERFERENCE WITH EXISTING UNDERGROUND FACILITIES FOR DURATION OF
- 2. MAINTAIN 12" MINIMUM CLEAR DISTANCE FROM ALL FOREIGN SYSTEMS, INCLUDING CULVERTS.
- 3. PROVIDE GPS BALL MARKER. INSTALL NO DEEPER THAN 5'-0" at each boring pit.
- 4. HANDLE AND DISPOSE OF DRILL SLURRY PER PROJECT ENVIRONMENTAL STANDARDS.
- 5. CONTRACTOR TO DETERMINE WETLAND DEPTH AND LOWEST POINT FOR BORING. BORE DEPTH SHALL BE A MINIMUM OF 10FT BELOW WETLANDS LOWEST POINT. DESIGN BORE IN ACCORDANCE WITH ASCE MANUAL NO. 108. BORING CONTRACTOR SHALL RETAIN FULL RESPONSIBILITY FOR BORE DESIGN AND EXECUTION
- 6. SOME LOCATIONS WILL REQUIRE BOTH MV COLLECTION BORES WITH ADJACENT DC COLLECTION CIRCUIT BORES. MAINTAIN A MINIMUM 10' SEPARATION DISTANCE FROM MV COLLECTION CIRCUIT HDD AND THE NEAREST DC
- 7. SEPARATION WILL BE DETERMINED BASED ON THE AMPACITY CALCULATIONS DURING IFC DESIGN

- 1 PIT FOR DIRECTIONAL DRILLING, JACKING, RAMMING, OR BORING. RECOMPACT DISTURBED SOILS TO PRE-EXCAVATION
- $\langle 2 \rangle$ receiving pit. Recompact disturbed soils to pre-excavation density.
- (3) USE 6" BORE-GARD SCHEDULE 40 FOR POWER CABLES 4/0 AWG TO 500 MCM. USE 8" HDPE SDR 13.5 FOR POWER CABLES 750 MCM TO 1250 MCM.
- (4) USE MINIMUM 4" BORE-GUARD SCHEDULE 40 FOR DC COLLECTION CIRCUITS UP TO 750 KCMIL. NO MORE THAN 2 CURRENT CARRYING CONDUCTORS PER CONDUIT.
 - ADD ADDITIONAL HDD CONDUITS FOR THE REQUIRED NUMBER OF DC COLLECTION CIRCUITS.

| aps | |
|---|--|
| 2180 South 1300 East, Suite 600 Salt Lake City, UT 84106-2749 | |
| (801) 679 - 3500 | |
| 249 Western Avenue Augusta, ME 04330 | |
| PE STAMP: | |
| Kevin Martin Dertains, OF NEW Digitally spred by Kevin Martin St. Tokyon St. | |
| KEY PLAN: | |
| | |
| REVISIONS: | |
| NO.DATEDESCRIPTION001/14/2022DESIGN DRAWINGS | |
| 1 06/27/2022 ISSUED FOR PERMIT | |
| | |
| PROJECT TITLE: | |
| BROOKSIDE SOLAR ENERGY FACILITY | |
| PROJECT LOCATION: | |
| TOWNS OF BURKE AND CHATEAUGAY, NY | |
| SHEET TITLE & DESCRIPTION: | |
| WETLAND CROSSING DETAILS | |
| _ | |
| PROJ NUM: 422299 | |
| DES: A. SILVA | |
| DWN: A. SILVA | |
| CHK: A. GROSHEV | |
| APV: DATE: 01/14/2022 SCALE AT 22" x 34": | |
| NTS | |
| SHEET NO: REV: PV-C.12.02 1 | |
| | |