

VICINITY MAP  
NTS



LOCATION MAP  
NTS

# SOLARCITY

## PLANS AND DETAILS GREENE COUNTY-CAIRO

TAX MAP ID# 101.00-6-5.11  
84 VOLUNTEER DRIVE  
TOWN OF CAIRO, GREENE COUNTY,  
NEW YORK

ORIGINALLY SUBMITTED : JULY 9, 2015  
REVISED : AUGUST 3, 2015



PROJECT AREA PLAN

SCALE: 1"=80'

### INDEX OF DRAWINGS

CV-I	COVER SHEET
EX-I	EXISTING CONDITIONS
SP-I	SITE PLAN
SG-I	SITE GRADING / EROSION & SEDIMENTATION CONTROL PLAN
DN-I	DETAIL SHEET

**NOTE**  
SITE DESIGN INCLUDING ARRAY LAYOUT, TRENCH LOCATIONS, ACCESS ROAD LOCATION AND UTILITY DETAILS PROVIDED BY SOLARCITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



### PROJECT ENGINEER:



Land Planning - Civil Engineering  
Land Surveying - Environmental Services  
Landscape Architecture

85 Civic Center Plaza, Suite 103 Poughkeepsie, NY 12601 Tel:845-243-2880  
140 West Street, Suite E Cromwell, CT 06416 Tel:860-435-2877  
90 Beaver Avenue Clinton, NJ 08809 Tel:908-603-5730  
www.lrcgroup.com

### APPLICANT INFORMATION:

SOLARCITY  
3055 CLEARVIEW WAY  
SAN MATEO, CA 94110



Vicinity Map  
Scale: 1"=2,000'

**Legend**

---	Property Line
- - - -	Easement Line
■	Concrete Monument Found
●	Iron Pipe / Rebar Found
○	Angle Point
—○—	Overhead Wires
—○—	Utility Pole
- - - -	Index Contour
- - - -	Intermediate Contour
▭	Concrete Surface
234a	Existing Spot Grades
—○—	Guy Wire
☼	Deciduous Trees
★	Conifer Tree Type
+	Signs
+	Mailbox
○	Stonewall
—○—	Stream
- - - -	Flood Plain

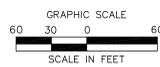
**Map Notes**

1. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7208, Sub-Division, of the New York State Education Law.
2. Only copies from the original of this survey marked with an original of the land surveyor's seal shall be considered to be true copies.
3. The above certification shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution. Certifications are not transferable to additional institutions or subsequent owners.
4. Elevations depicted are referenced to map referenced to NAVD (North American Vertical Datum) of 1988.
5. Contours and elevation are compiled from conventional survey prepared May, 2015.
6. Location of all underground utilities depicted hereon are approximate and are based on field location of visible structures such as catch basins, manholes, water gates, etc. and compiling information from plans supplied by the respective utility companies and government agencies. All contractors are required by State Regulations to contact DigState at 1-800-962-7962 for locations and stake out of utilities prior to any excavation.
7. FIRM Map, Town of Cairo, Number 360286, Panel 242 of 531, Map suffix: F, Map number 3603900242F, Effective Date May 16, 2008. Subject to Zones "A", "X" & "M", the floodway of the Shingle Kill and Shingle Kill Tributary #3.

**Certification**

I hereby declare this map to be prepared in accordance with the Code of Practice of the New York State Association of Land Surveyors, adopted October, 1966 and revised through January 31, 1993.

*John Wigenolaz, L.S.*  
John Wigenolaz, L.S. Lic. #050942



JAY B. & ANNIE M. MECKER  
N/F  
L1226 P182

PASQUALE & MARIA SALA  
N/F  
L874 P257

N/F  
RALPH SALA  
L1289 P188

GERALD & ANNIE MCAREE  
N/F  
L893 P104

APPLICANT / CLIENT:

SOLARCITY  
3555 CLEARVIEW WAY  
SAN MATEO, CA 94110

NOT FOR CONSTRUCTION



- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

85 Civic Center Plaza, Suite 103  
Poughkeepsie, NY 12601  
Tel:845.253.2800 Fax:845.265.8175

160 West Street, Suite E  
Cromwell, CT 06416  
Tel:860.635.2077 Fax:860.635.4226  
www.lrcconsult.com

Land Resource Consultants, Inc.  
LRC Engineering and Surveying, P.C.  
LRC Environmental Services, Inc.  
LRC Engineering and Surveying, LLC

EXISTING CONDITIONS

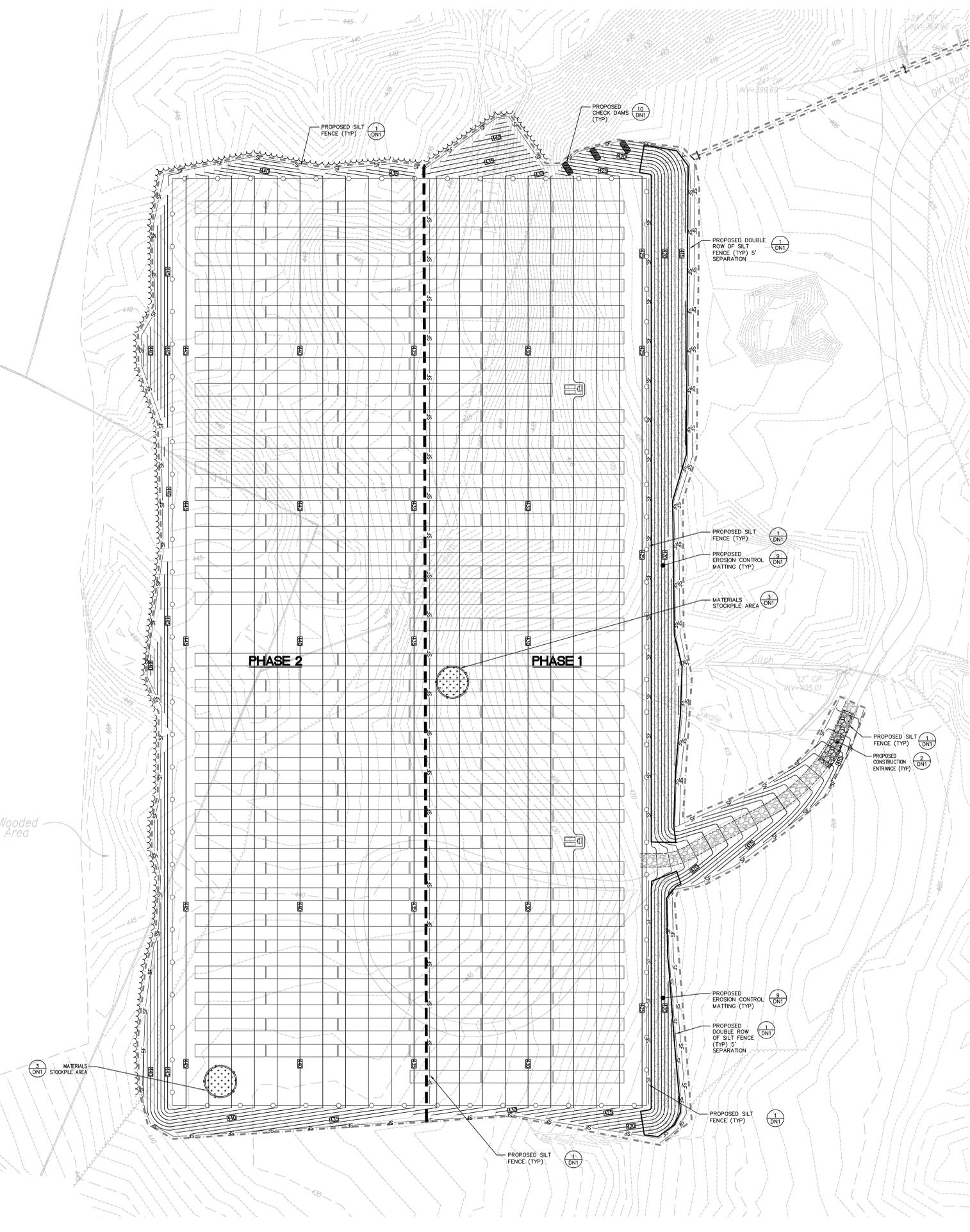
**SOLARCITY**  
**GREENE COUNTY-CAIRO**  
**84 VOLUNTEER DRIVE**  
**TOWN OF CAIRO, GREENE COUNTY, NEW YORK**

Designed	LRC	CAD File	6/15/14/14	Sheet No.
Drawn	LRC	Project No.	LRC 15-1641	
Checked	KFC	Project No.	SC 15-0793	
Approved	REM	Date	2015.07.09	
		Scale	1"=60'	

EX-1

Revisions:

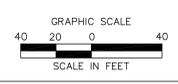




Wooded Area

**LEGEND**

- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED SILT FENCE
- LIMIT OF WORK LINE
- PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED MAINTENANCE ACCESS
- PROPOSED CHECK DAM
- MATERIALS STOCKPILE LOCATION



**PHASING AREAS SHOWN ON PLAN ARE APPROXIMATE**

**PHASE 1 - 4.79 ACRES**

- INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THESE PLANS AT THE DOWN GRADIENT LIMITS, ALONG THE EASTERN SIDE OF PHASE 1.
- SITE EXCAVATION WILL REQUIRE SOIL FROM THE NORTH EASTERN PORTION OF THE SITE TO FILL THE SOUTH EASTERN PORTION OF THE SITE.
- THE NORTHEAST SIDE OF THE SITE ONCE CUT TO GRADE WILL BE STABILIZED IMMEDIATELY TO ALLOW FOR STABILIZATION OF THE SOILS WITH THE PROPOSED GRASS MIXTURE.
- THE SOUTHWEST SIDE OF THE SITE ONCE FILLED TO GRADE WILL BE STABILIZED IMMEDIATELY TO ALLOW FOR STABILIZATION OF THE SOILS WITH THE PROPOSED GRASS MIXTURE.
- ONCE PHASE 1 IS STABILIZED, THE CONSTRUCTION OF PHASE 2 MAY BEGIN.

**PHASE 2 - 4.78 ACRES**

- INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AT THE DOWN GRADIENT LIMIT AND AT THE ALONG THE WESTERN SIDE OF PHASE 2 TO PREVENT SEDIMENTATION ENTERING PHASE 1.
- SITE EXCAVATION WILL REQUIRE SOIL FROM THE NORTHERN WESTERN PORTION OF THE SITE TO FILL THE SOUTH WESTERN PORTION OF THE SITE.
- THE NORTHWEST SIDE OF THE SITE ONCE CUT TO GRADE WILL BE STABILIZED IMMEDIATELY TO ALLOW FOR STABILIZATION OF THE SOILS WITH THE PROPOSED GRASS MIXTURE.
- THE SOUTHWEST SIDE OF THE SITE ONCE FILLED TO GRADE WILL BE STABILIZED IMMEDIATELY TO ALLOW FOR STABILIZATION OF THE SOILS WITH THE PROPOSED GRASS MIXTURE.
- ONCE PHASE 2 IS STABILIZED THE CONSTRUCTION OF PHASE 3 MAY BEGIN.

**PHASE 3 - LESS THAN 5 ACRES**

- ONCE THE SITE IS STABILIZED, THE INSTALLATION OF THE SOLAR ARRAY, ELECTRICAL TRENCHES, AND UTILITY CONNECTIONS CAN COMMENCE.
- INSTALLATION OF THE ARRAY WILL CONSIST OF DIRECT PUSH OF SUPPORT POLES FOR THE RACKING SYSTEM, ONCE THE SUPPORT POLES ARE INSTALLED, THE RACKING SYSTEM WILL BEGIN CONSTRUCTION.
- ONCE THE RACKS ARE INSTALLED THE SOLAR PANELS AND ARRAYS WILL BE INSTALLED, FOLLOWED BY THE LIMITED TRENCHING BETWEEN ARRAYS AND FOR THE INTERCONNECTION TO THE ELECTRIC SERVICE.
- PHASE 3 SITE CONSTRUCTION ACTIVITIES HAVE MINOR SITE GROUND DISTURBANCE.
- ALL EXPOSED SOILS WILL BE STABILIZED AS WORK IS COMPLETED.
- EROSION CONTROL MEASURES SHOULD REMAIN UNTIL THE SITE WORK IS COMPLETED AND ALL SOIL HAS BEEN STABILIZED BY SOIL GERMINATION OF GRASS. ANY AREAS DISTURBED IN PHASE 3 SHALL BE RE-SEEDING AND STABILIZED PRIOR TO COMMENCEMENT OF WORK.

**WINTER STABILIZATION METHODS**

**DEFINITION & SCOPE**

A TEMPORARY SITE SPECIFIC, ENHANCED EROSION AND SEDIMENT CONTROL PLAN TO MANAGE RUNOFF AND SEDIMENT AT THE SITE DURING CONSTRUCTION ACTIVITIES IN THE WINTER MONTHS TO PROTECT OFF-SITE WATER RESOURCES.

**CONDITIONS WHERE PRACTICE APPLIES**

THIS STANDARD APPLIES TO ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN DECEMBER 1ST TO THE FOLLOWING APRIL 1ST.

**DESIGN CRITERIA**

- PREPARE A SNOW MANAGEMENT PLAN WITH ADEQUATE STORAGE FOR SNOW AND CONTROL OF MELT WATER, REQUIRING CLEARED SNOW TO BE STORED IN A MANNER NOT AFFECTING ONGOING CONSTRUCTION ACTIVITIES.
- ENLARGE AND STABILIZE ACCESS POINTS TO PROVIDE FOR SNOW MANAGEMENT AND STOCKPILING. SNOW MANAGEMENT ACTIVITIES MUST NOT DESTROY OR DEGRADE INSTALLED EROSION AND SEDIMENT CONTROL PRACTICES.
- A MINIMUM 25 FOOT BUFFER SHALL BE MAINTAINED FROM ALL PERIMETER CONTROLS SUCH AS SILT FENCE.
- EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FEET WILL HAVE 2 ROWS OF SILT FENCE, 5 FEET APART, INSTALLED ON THE CONTOUR.
- DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS. ALL DELTAS, ICE DAMS, OR DEBRIS FROM PLOWING OPERATIONS, THAT RESTRICT THE FLOW OF RUNOFF AND MELTWATER, SHALL BE REMOVED.
- SEDIMENT BARRIERS MUST BE INSTALLED AT ALL APPROPRIATE PERIMETER AND SENSITIVE LOCATIONS. SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED BEFORE THE GROUND FREEZES.
- SOIL STOCKPILES MUST BE PROTECTED BY THE USE OF ESTABLISHED VEGETATION, ANCHORED STRAW MULCH, ROLLED EROSION CONTROL PRODUCT, OR OTHER DURABLE COVERING. A BARRIER MUST BE INSTALLED AROUND THE STOCKPILE TO PREVENT SOIL MIGRATION.
- ALL SLOPES MUST BE STABILIZED AS SOON AS PRACTICABLE BUT IN NO CASE LEFT UNPROTECTED FOR MORE THAN 3 DAYS. ROLLED EROSION CONTROL BLANKETS MUST BE USED ON ALL SLOPES 3 HORIZONTAL TO 1 HORIZONTAL AND STEEPER.
- IF STRAW MULCH ALONE IS USED FOR TEMPORARY STABILIZATION, IT SHALL BE APPLIED AT DOUBLE THE STANDARD RATE OF 2 TONS PER ACRE, MAKING THE APPLICATION RATE 4 TONS PER ACRE. OTHER MANUFACTURED MULCHES SHOULD BE APPLIED AT DOUBLE THE MANUFACTURER'S RECOMMENDED RATE.
- TO ENSURE COVER OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL MUST BE STABILIZED AT THE END OF EACH WORK DAY UNLESS:
  - WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECAST OR;
  - THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, FOUNDATION EXCAVATIONS, OR WATER MANAGEMENT AREAS.

**EROSION AND SEDIMENT CONTROL PLAN**

- LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED AS SOON AS PRACTICABLE.
- SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NEW YORK STATE EROSION & SEDIMENT CONTROL "BLUE BOOK" LATEST EDITION.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
- ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.
- SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
- DUST CONTROL AND ANTI-TRACKING MAINTENANCE TO BE ADDRESSED AND RESOLVED ON A DAILY BASIS.

**SEQUENCING**

**PRE-CONSTRUCTION ACTIVITIES:**

- IDENTIFY ALL NATURAL RESOURCES AND MARK AND PROTECT THEM AS NECESSARY I.E. TREES, VEGETATION, LIMITS OF DISTURBANCE.
- IDENTIFY ON-SITE AND DOWNSTREAM SURFACE WATER BODIES AND INSTALL CONTROLS TO PROTECT THEM FROM SEDIMENTATION.
- ESTABLISH TEMPORARY STONE CONSTRUCTION ENTRANCE PADS TO CAPTURE MUD AND DEBRIS FROM THE TIRES OF CONSTRUCTION VEHICLES.
- INSTALL PERIMETER SEDIMENT CONTROLS SUCH AS SILT FENCES, AS SHOWN ON THE PROJECT PLANS.
- INSTALL TEMPORARY CONSTRUCTION FENCING AS SHOWN ON THE PROJECT PLANS OR AS DIRECTED BY THE SITE ENGINEER.
- ALL EARTH DISTURBANCES DURING THIS PHASE SHOULD BE LIMITED TO WORK NECESSARY TO INSTALL EROSION AND SEDIMENTATION CONTROLS.

**DURING CONSTRUCTION ACTIVITIES:**

- AS SITE CLEARING AND GRADING IS COMPLETED INSTALL RUNOFF AND DRAINAGE CONTROLS AS SHOWN ON THE PROJECT PLANS AND AS NECESSARY. THESE CONTROLS SHOULD REDUCE RUN-OFF FLOW RATES AND VELOCITIES, AS WELL AS, DIVERT OFF SITE AND CLEAN RUN-OFF.
- STABILIZE THE CONVEYANCE SYSTEM I.E. DITCHES, SWALES, BERMS ETC. BY SEEDING, MULCHING AND INSTALLING ROCK CHECK DAMS AS SHOWN ON THE PLANS OR DIRECT BY THE SITE ENGINEER DURING CONSTRUCTION.
- UTILIZE PRACTICES TO INFILTRATE STORMWATER RUNOFF AS MUCH AS POSSIBLE WHEN APPLICABLE.
- STABILIZE ALL STORMWATER RUNOFF OUTLETS AS SHOWN ON THE PROJECT PLANS AND AS NECESSARY.
- LIMIT SOIL DISTURBANCE TO SMALL AREAS AND PRESERVE AS MUCH OF THE EXISTING VEGETATION AS PRACTICAL.
- COMPLETE ALL UNDERGROUND UTILITY IMPROVEMENTS PRIOR TO INSTALLATION OF HARD SURFACE IMPROVEMENTS.
- ALL TOPSOIL STOCKPILES SHOULD BE STAGED IN AN AREA AWAY FROM SURFACE WATERS AND STORM DRAINS AND SHOULD BE PROTECTED AND STABILIZED.
- EARTH DISTURBANCE IS NOT ALLOWED IN ESTABLISHED BUFFERS, WITHIN ANY REGULATED DISTANCE FROM WETLANDS, OR WITHIN THE HIGH WATER LINE OF A BODY OF WATER AFFECTED BY TIDAL ACTION OR OTHER SUCH PROTECTED ZONES.
- AT ANY LOCATION WHERE SURFACE RUN-OFF FROM DISTURBED OR GRADED AREAS MAY FLOW OFF-SITE, SEDIMENTATION CONTROL MEASURES MUST BE INSTALLED TO PREVENT SEDIMENTATION FROM BEING TRANSPORTED.
- REGULAR INSPECTIONS AND MAINTENANCE SHOULD BE PERFORMED AS DESCRIBED IN THE FOLLOWING SECTION.
- IMMEDIATELY STABILIZE SOILS WITH SEED AND MULCH UPON COMPLETION OF WORK. LIMIT THE AMOUNT OF DISTURBED SOIL TO THE EXTENT POSSIBLE.

**POST-CONSTRUCTION ACTIVITIES:**

- COMPLETELY STABILIZE ALL SURFACES WITH SEED AND MULCH OR IMPERVIOUS COVER. DO NOT LEAVE ANY EXPOSED SOIL.
- AFTER SITE WORK IS COMPLETED PERFORM ROUTINE INSPECTION AND MAINTENANCE AND INSURE PROPER VEGETATIVE COVER IS MAINTAINED AT THE SITE.

**INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES**

**SILTATION FENCE**

- DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
- POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 2.0 FEET INTO THE GROUND.
- LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
- BACKFILL THE TRENCH AND COMPACT.

**OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES**

- SILTATION FENCE: ALL SILTATION FENCES SHALL BE INSPECTED ONCE EVERY SEVEN DAYS. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN. SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.
- STABILIZED CONSTRUCTION ENTRANCE: STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSPECTED DAILY BY THE QUALIFIED INSPECTOR TO ENSURE THAT SEDIMENT AND DEBRIS ARE NOT BEING TRACKED ONTO ANY PUBLIC ROADWAY.

**NOTES**

- ELECTRIC LINES AS SHOWN ARE FOR REFERENCE ONLY.
- ALL EXISTING UTILITIES ARE TO BE FIELD VERIFIED PRIOR TO ANY CONSTRUCTION.

**SEEDING AND MULCHING**

ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN 7 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE SEEDING AND MULCHING. DISTURBED AREAS SHALL BE LIMITED AND COVERED WITH A LAYER OF TOPSOIL PRIOR TO SEEDING. SEEDING WILL BE INSPECTED FOR BARE SPOTS, WASH OUTS, AND HEALTHY GROWTH. IF REQUIRED, ADDITIONAL SEEDING SHALL BE PERFORMED. THE TEMPORARY SEED MIX SPECIFIED FOR THIS SITE IS AS FOLLOWS:

LAWN SEEDING MIXTURE - LOW-MAINTENANCE /LOW-MOW BLEND OF THE FOLLOWING:

- 80% CREEPING RED FESCUE (3 VARIETIES AT 1/3 EACH)
- 10% PERENNIAL RYEGRASS (LOLIUM PERENNE)
- 10% BLEND OF THREE TALL FESCUES (FESTUCA ARUNDINACEA)

SEEDING RATE: 4.5 LBS PER 1,000 S.F. (ADD 10% TO QUANTITY IF HYDROSEEDED).

**NOTE**

SITE DESIGN INCLUDING ARRAY LAYOUT, TRENCH LOCATIONS, ACCESS ROAD LOCATION AND UTILITY DETAILS PROVIDED BY SOLARCITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.

**APPLICANT / CLIENT:**

SOLARCITY  
3055 CLEARVIEW WAY  
SAN MATEO, CA 94110

NOT FOR CONSTRUCTION



**SITE GRADING AND EROSION & SEDIMENTATION CONTROL PLAN**

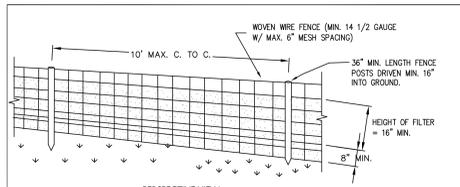
**SOLARCITY**  
**GREENE COUNTY-CAIRO**  
**84 VOLUNTEER DRIVE**  
**TOWN OF CAIRO, GREENE COUNTY, NEW YORK**

Date	Revised Per Comments
11/15/2015	1

Designed	LRC	CAD File	15114401	Sheet No.
Drawn	LRC	Project No.	1511441	151572
Checked	KFC	Date	2015-07-09	
Approved	REM	Scale	1"=40'	

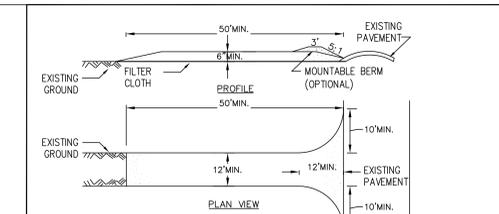


X:\Bids\2015\15-1441 Solar\_City\_Green\_County\_Cairo\Map\GIS\15114401.dwg  
LRC - 11/15/2015



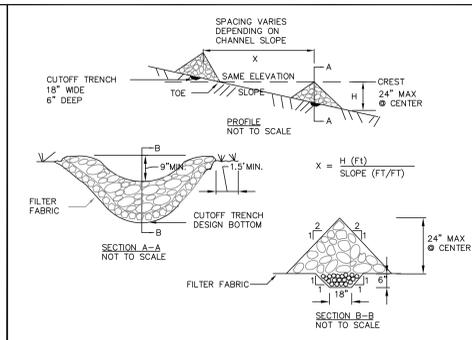
**CONSTRUCTION SPECIFICATIONS**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100, STABILINKA 1100N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



**CONSTRUCTION SPECIFICATIONS**

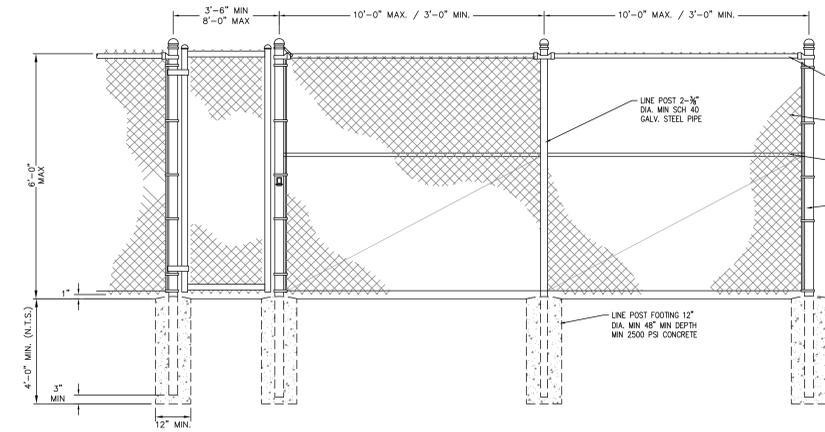
- STONE SIZE - USE 1"-4" ANGULAR STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



**CONSTRUCTION SPECIFICATIONS**

- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
- SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AMONG THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

MAXIMUM DRAINAGE AREA 2 ACRES.



**6 CHAIN LINK FENCE DETAIL**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

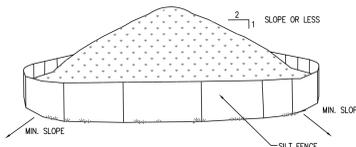
SILT FENCE  
1  
DNI

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STABILIZED CONSTRUCTION ENTRANCE  
2  
DNI

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

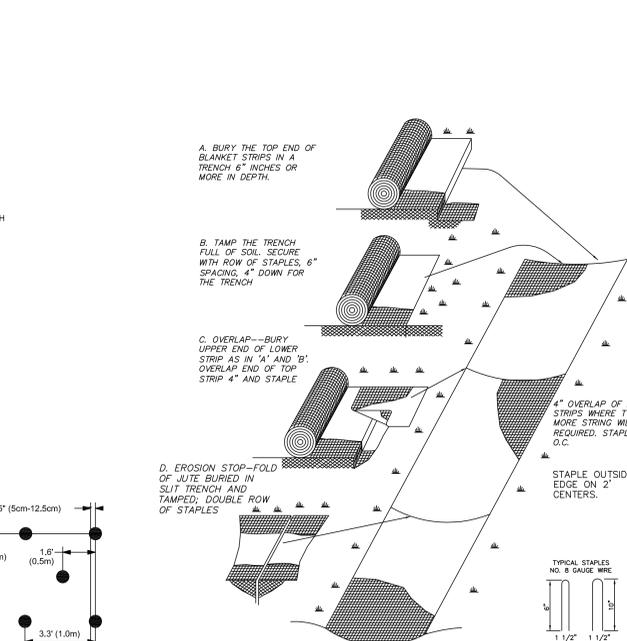
CHECK DAM  
10  
DNI



- NOTES:**
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
  - MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
  - UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
  - SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.
  - HAYBALES TO BE USED WHERE STOCKPILES ARE LOCATED ON PAVED AREAS.

**3 MATERIALS STOCKPILE DETAIL**

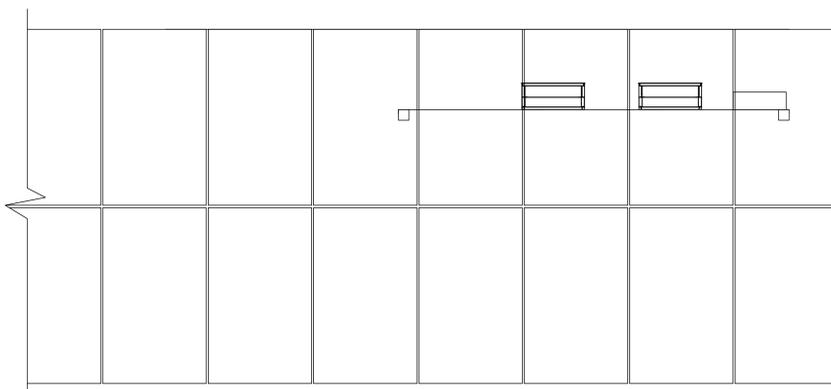
NOT TO SCALE  
3  
DNI



- NOTES:**
- Slopes or steeper where indicated on the Drawings.
  - Erosion Control Blanket shall be North American Green SC 150 or shall be a green wool fiber mat constructed from 100% Aspen curled fibers with a green photo-degradable netting applied to one side. Erosion Control Blanket to be as manufactured by American Excelsior Company, Arlington, TX, "Quick Grass" or approved equal.

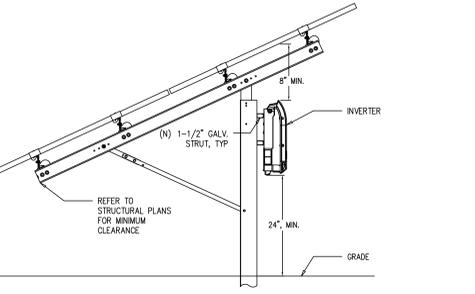
**9 EROSION CONTROL MATTING INSTALLATION DETAIL**

NOT TO SCALE  
9  
DNI



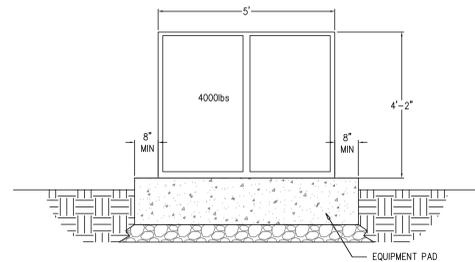
**5 GROUND MOUNT EQUIPMENT RACK (SIDE ELEVATION)**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



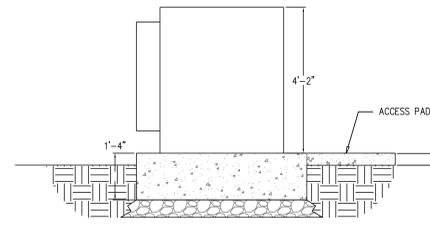
**5 GROUND MOUNT EQUIPMENT RACK (SIDE ELEVATION)**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



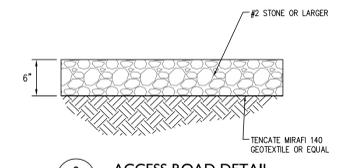
**7 EQUIPMENT PAD (FRONT ELEVATION)**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



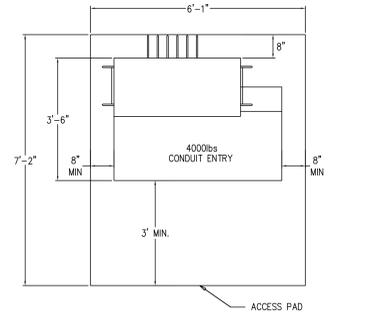
**7 EQUIPMENT PAD (SIDE ELEVATION)**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



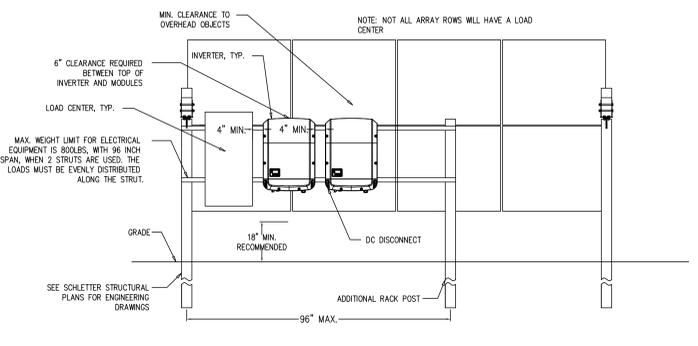
**8 ACCESS ROAD DETAIL**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



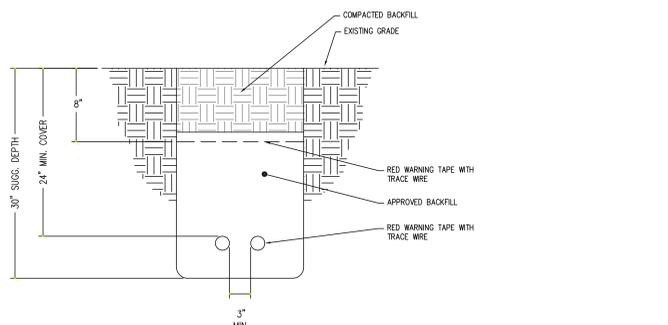
**7 EQUIPMENT PAD (PLAN)**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



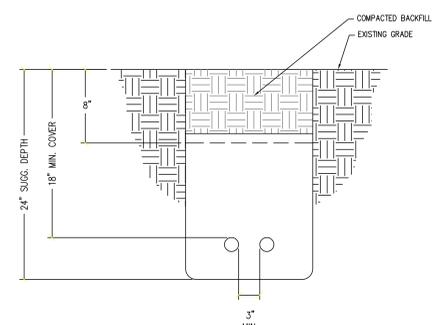
**5 EQUIPMENT RACK (REAR ELEVATION)**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



**4 TRENCH THROUGH SOIL TRAFFIC DETAIL**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



**4 TRENCH THROUGH SOIL NON-TRAFFIC DETAIL**

NOT TO SCALE  
DETAILS PROVIDED BY SOLARITY AND SHOWN ON THIS PLAN FOR COMPLETENESS AND ARE NOT CERTIFIED BY LRC.



**NOT FOR CONSTRUCTION**

**LRC**

- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

85 Civic Center Plaza, Suite 103  
Poughkeepsie, NY 12601  
Tel: 845.263.2800 Fax: 845.263.8175  
160 West Street, Suite E  
Cromwell, CT 06416  
Tel: 860.635.2077 Fax: 860.635.4226  
www.lrcconsult.com

Land Resource Consultants, Inc.  
LRC Engineering and Surveying, P.C.  
LRC Environmental Services, Inc.  
LRC Engineering and Surveying, LLC

**DETAIL SHEET**

**SOLARCITY**  
GREENE COUNTY-CAIRO  
84 VOLUNTEER DRIVE  
TOWN OF CAIRO, GREENE COUNTY, NEW YORK

Drawn	LRC	CAD File	0411144101	Sheet No.
Checked	LRC	Project No.	LRC ES-1641	
Approved	KFC	Project No.	SC 151572	
Revision:	REM	Date	2015.07.09	
		Scale	NTS	

APPLICANT / CLIENT:  
SOLARCITY  
3555 CLEARVIEW WAY  
SAN MATEO, CA 94110

**DN-1**

