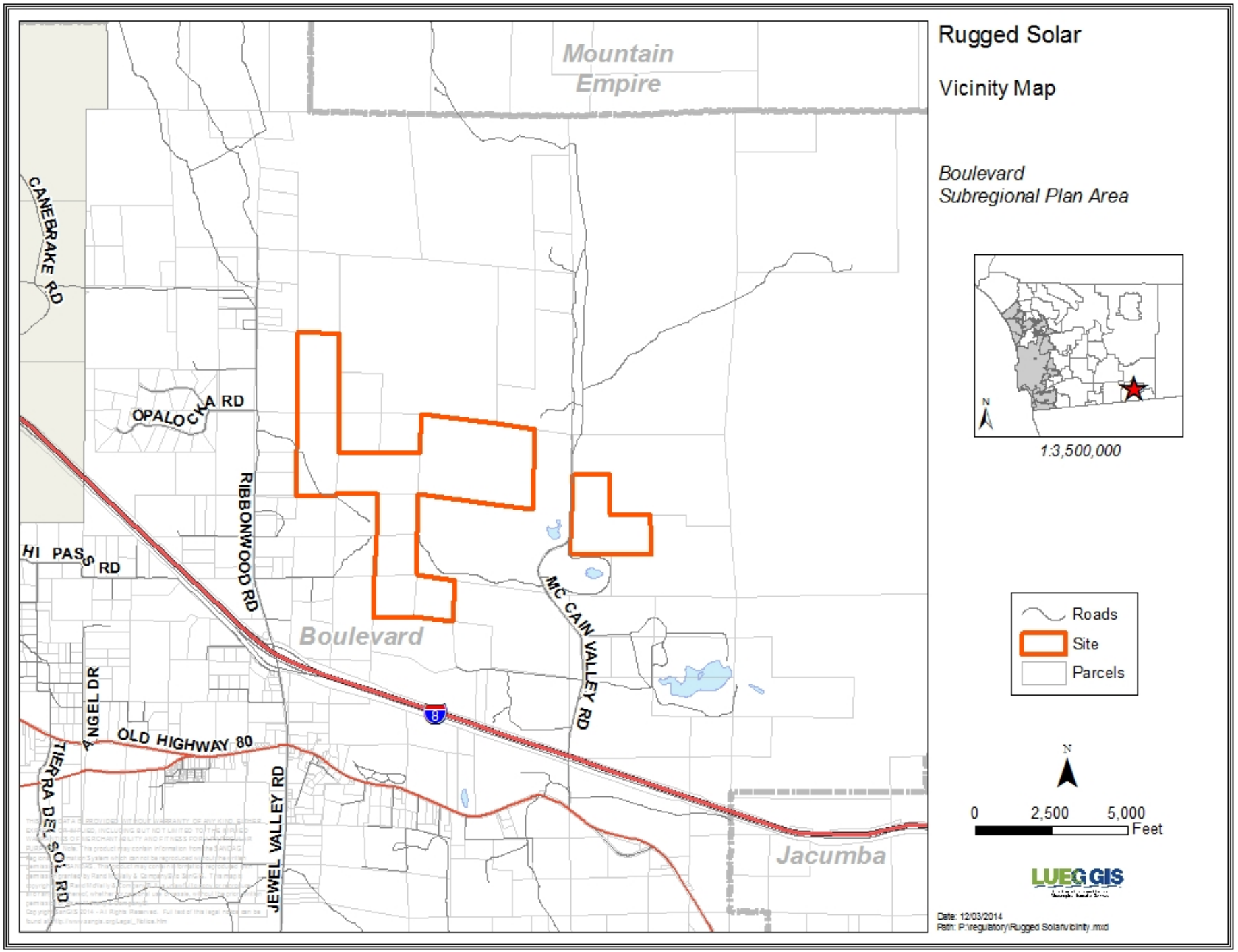
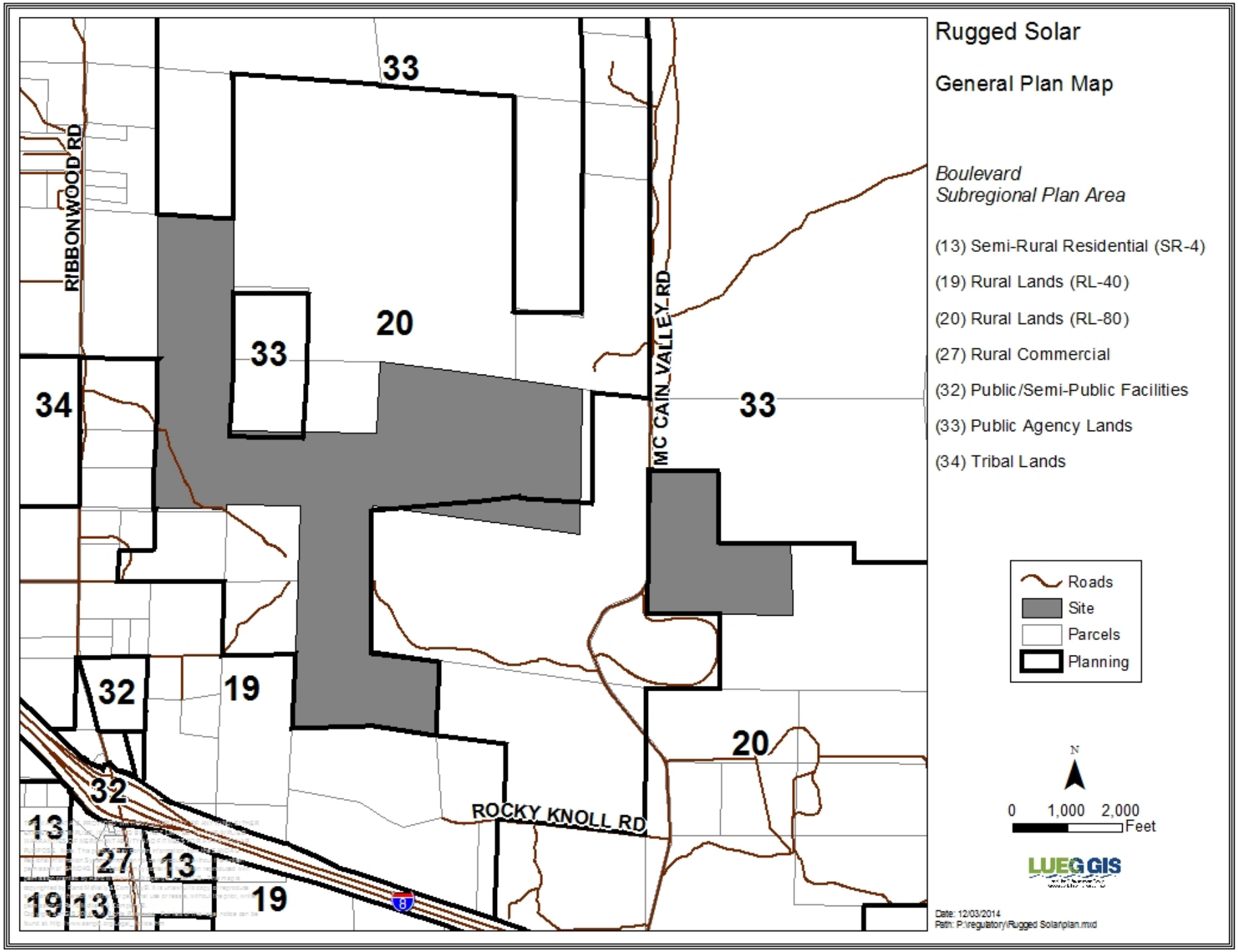
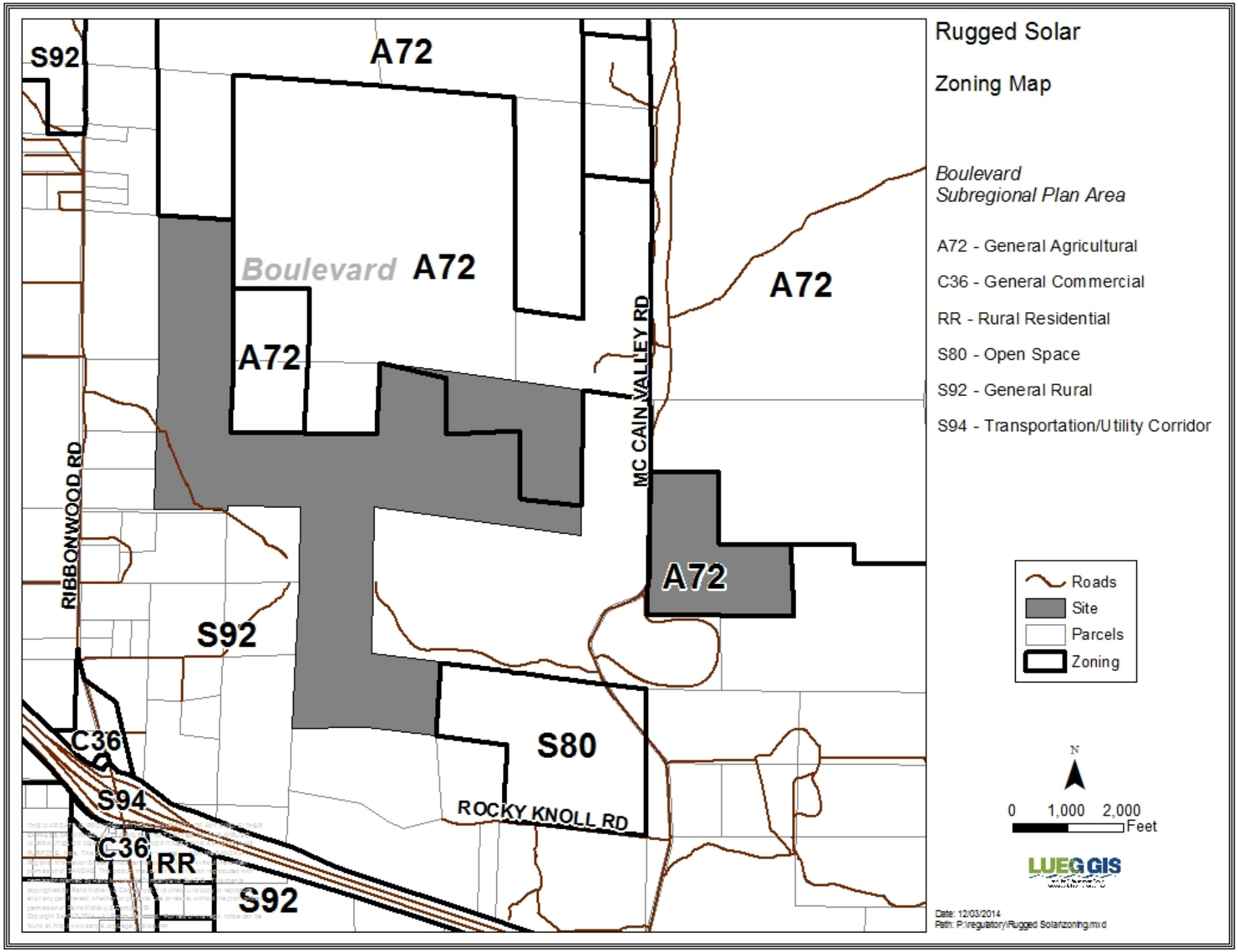
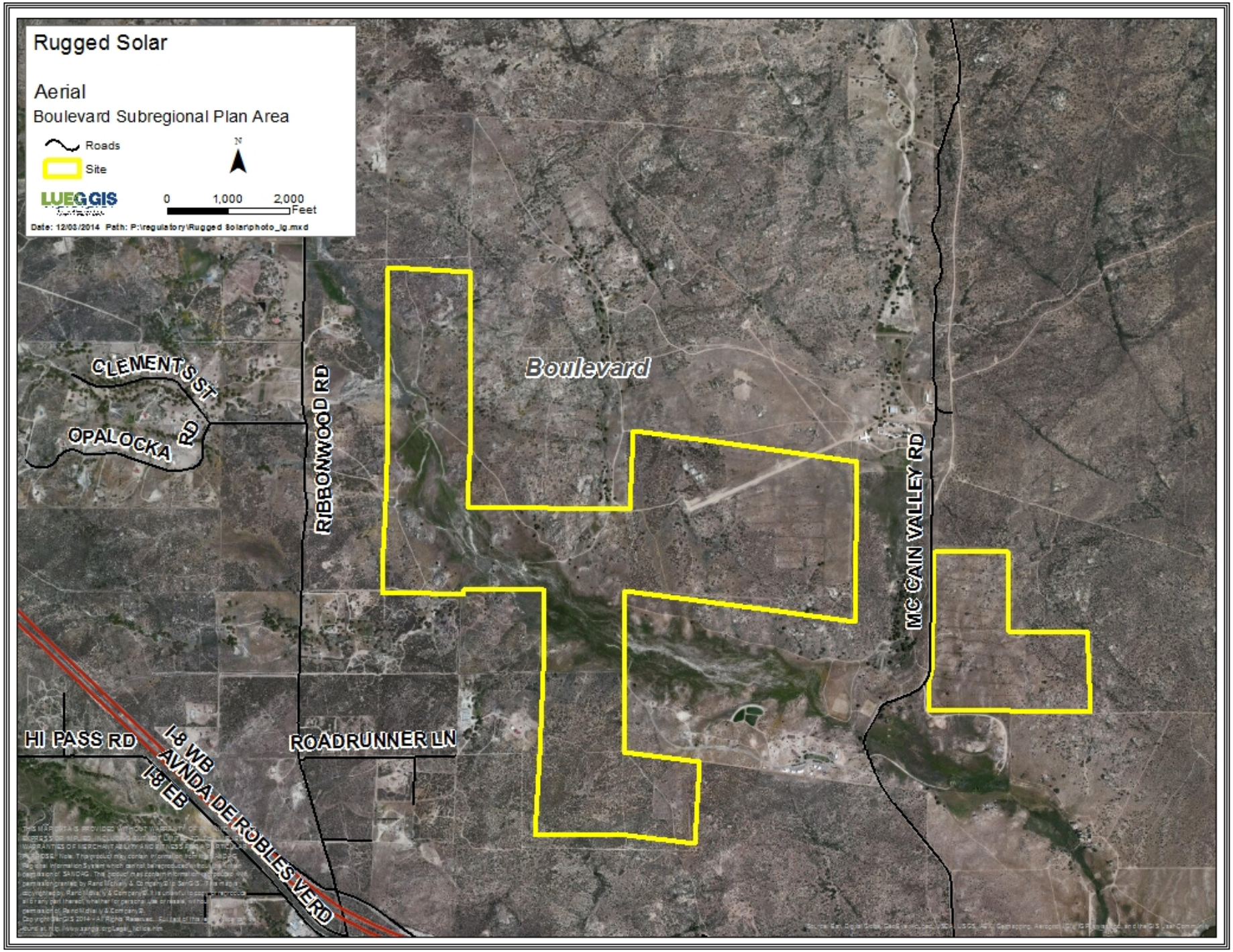
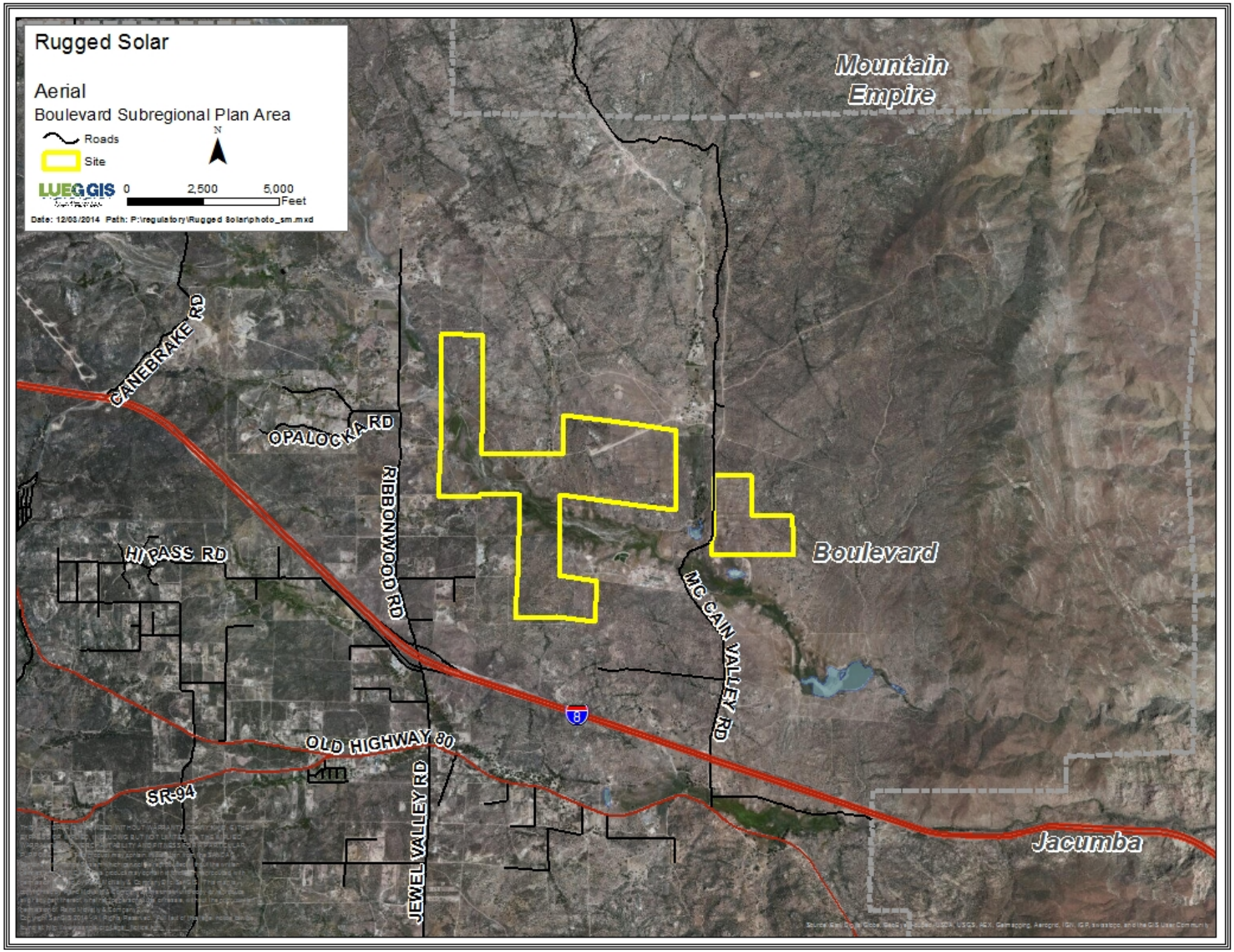
Attachment B – Planning Documentation

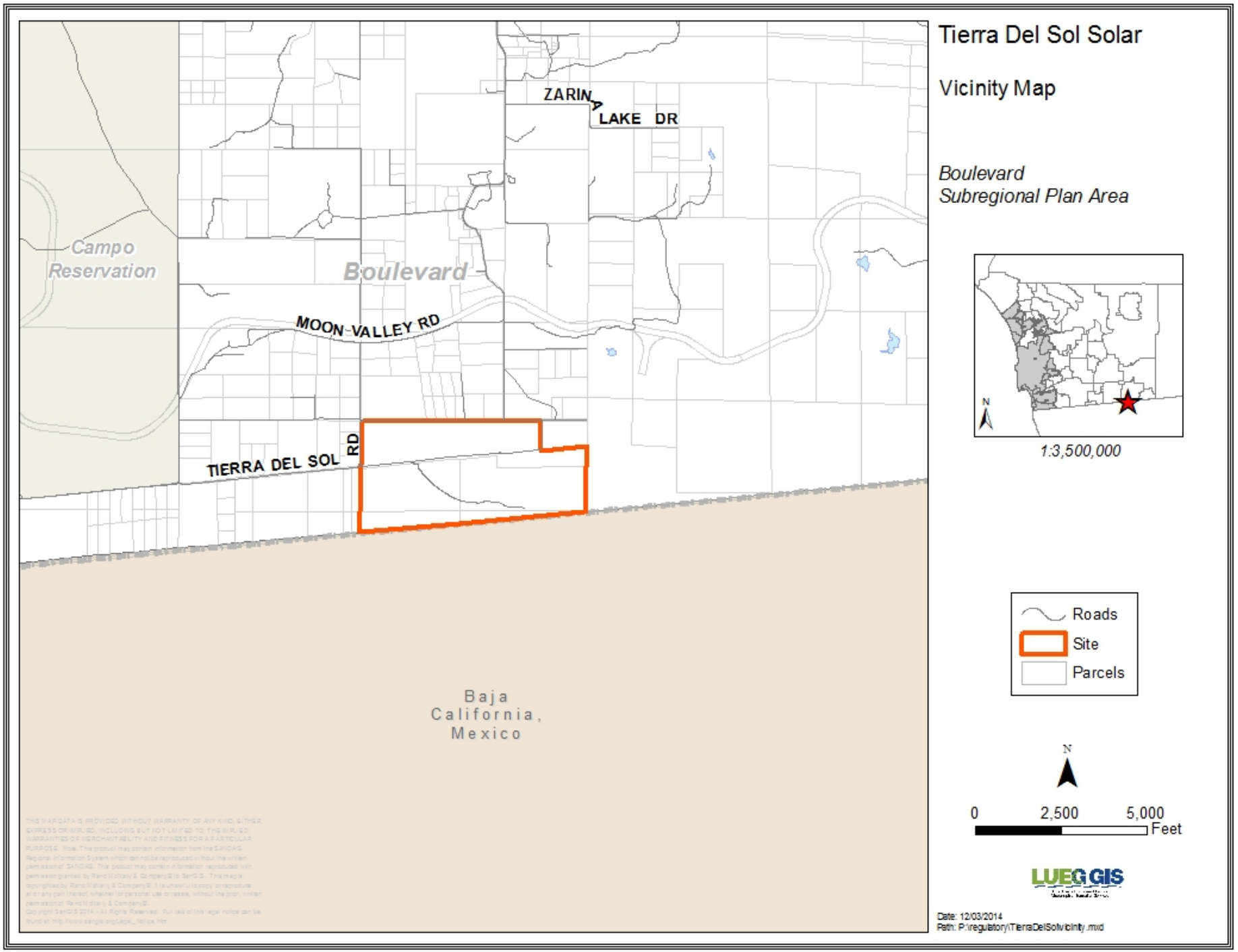

Rugged Solar
Vicinity Map
Boulevard
Subregional Plan Area
1:3,500,000
Mountain Empire
Boulevard
Jacumba
CANEBRAKE RD
OPALOCKA RD
RIBBONWOOD RD
HI PASS RD
MC CAIN VALLEY RD
ANGEL DR
OLD HIGHWAY 80
TIERRA DEL SOL RD
JEWEL VALLEY RD
8
Roads
Site
Parcels
N
0
2,500
5,000
Feet
LUEG GIS
Date: 12/03/2014
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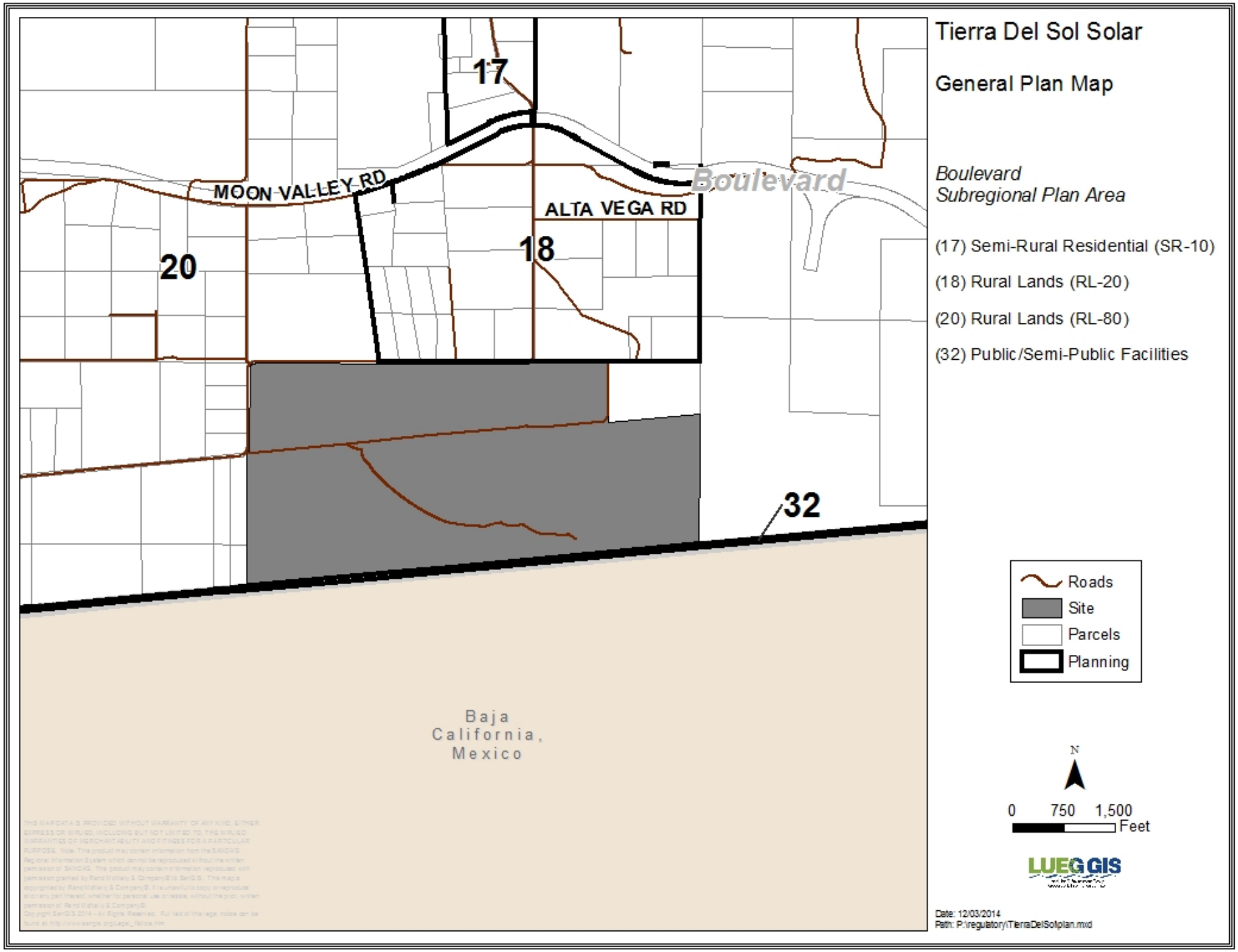

Rugged Solar
General Plan Map
Boulevard
Subregional Plan Area
(13) Semi-Rural Residential (SR-4)
(19) Rural Lands (RL-40)
(20) Rural Lands (RL-80)
(27) Rural Commercial
(32) Public/Semi-Public Facilities
(33) Public Agency Lands
(34) Tribal Lands
Roads
Site
Parcels
Planning
N
0 1,000 2,000
Feet
LUEG GIS
Date: 12/03/2014
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RIBBONWOOD RD
MC CAIN VALLEY RD
ROCKY KNOLL RD
33
20
33
34
33
32
19
20
32
13
27
13
19
13
19

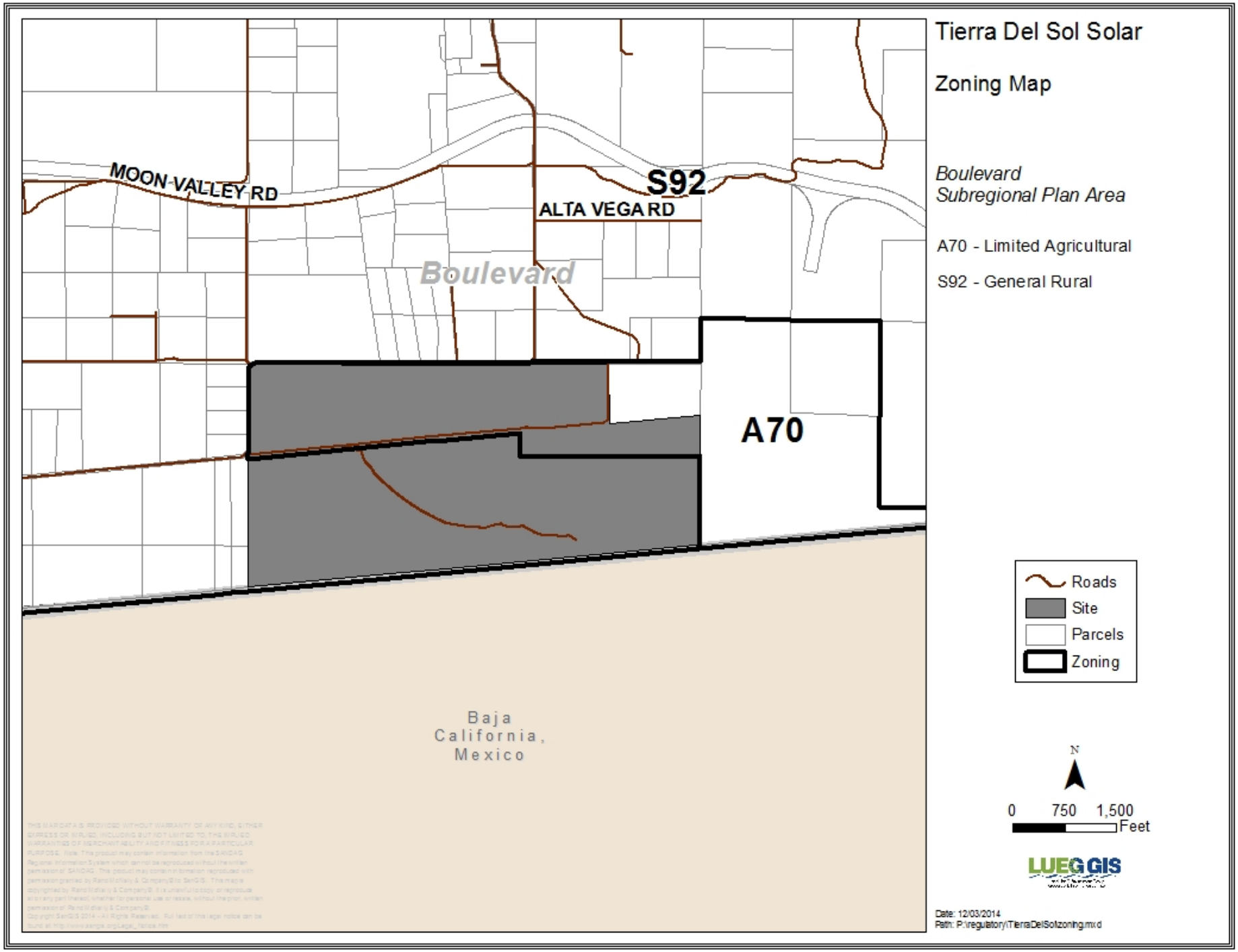

Rugged Solar
Zoning Map
Boulevard
Subregional Plan Area
A72 - General Agricultural
C36 - General Commercial
RR - Rural Residential
S80 - Open Space
S92 - General Rural
S94 - Transportation/Utility Corridor
Roads
Site
Parcels
Zoning
N
0 1,000 2,000
Feet
LUEG GIS
Date: 12/03/2014
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S92
A72
Boulevard
A72
A72
A72
A72
S92
S80
C36
S94
C36
RR
S92
RIBBONWOOD RD
MC CAIN VALLEY RD
ROCKY KNOLL RD

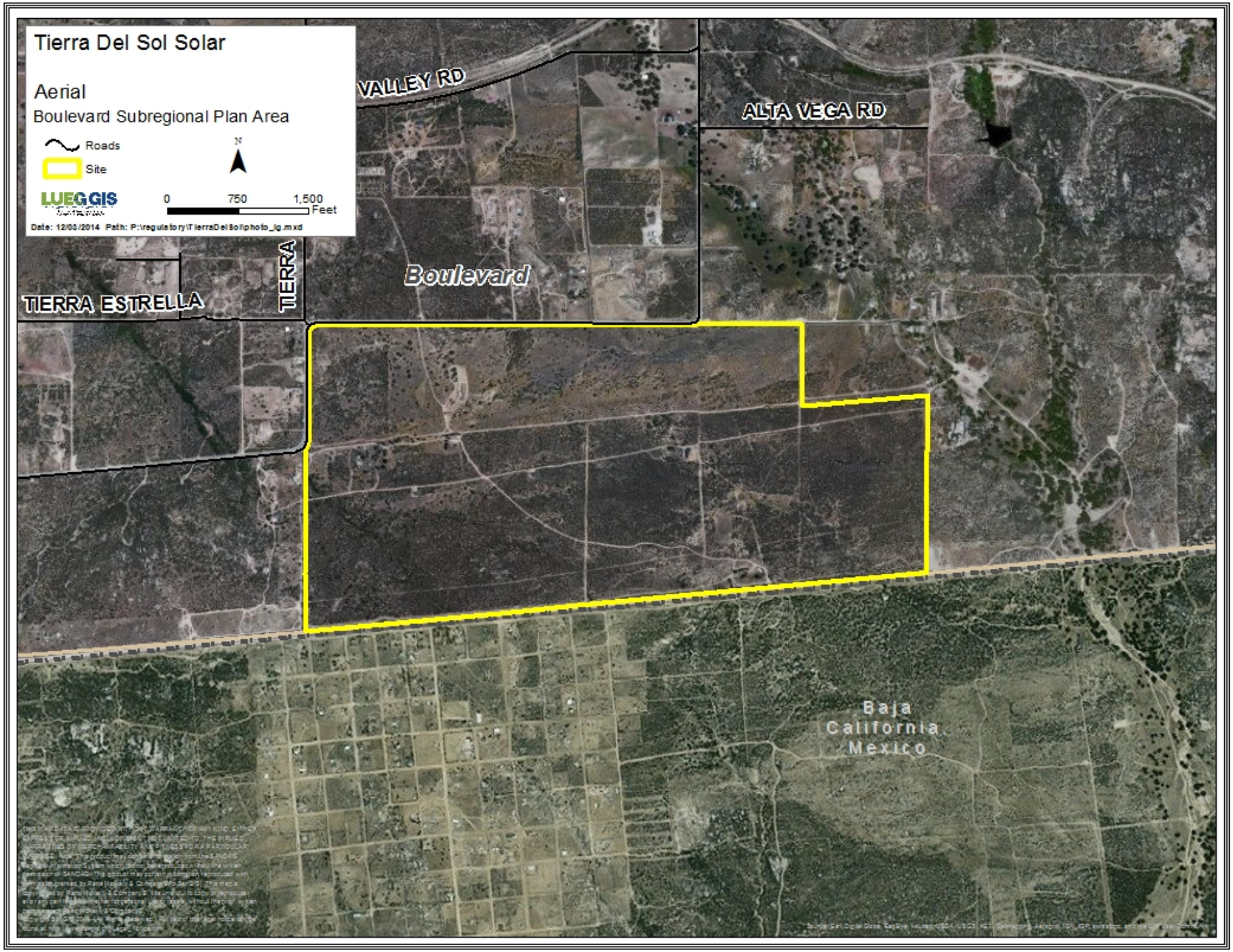

Rugged Solar
Aerial
Boulevard Subregional Plan Area
Roads
Site
N
LUEGGIS
0 1,000 2,000
Feet
Date: 12/03/2014 Path: P:\regulatory\Rugged Solar\photo_lg.mxd
Boulevard
CLEMENTS ST
OPALOCKA RD
RIBBONWOOD RD
MC CAIN VALLEY RD
HI PASS RD
I-8 WB
I-8 EB
AVNDA DE ROBLES VERD
ROADRUNNER LN

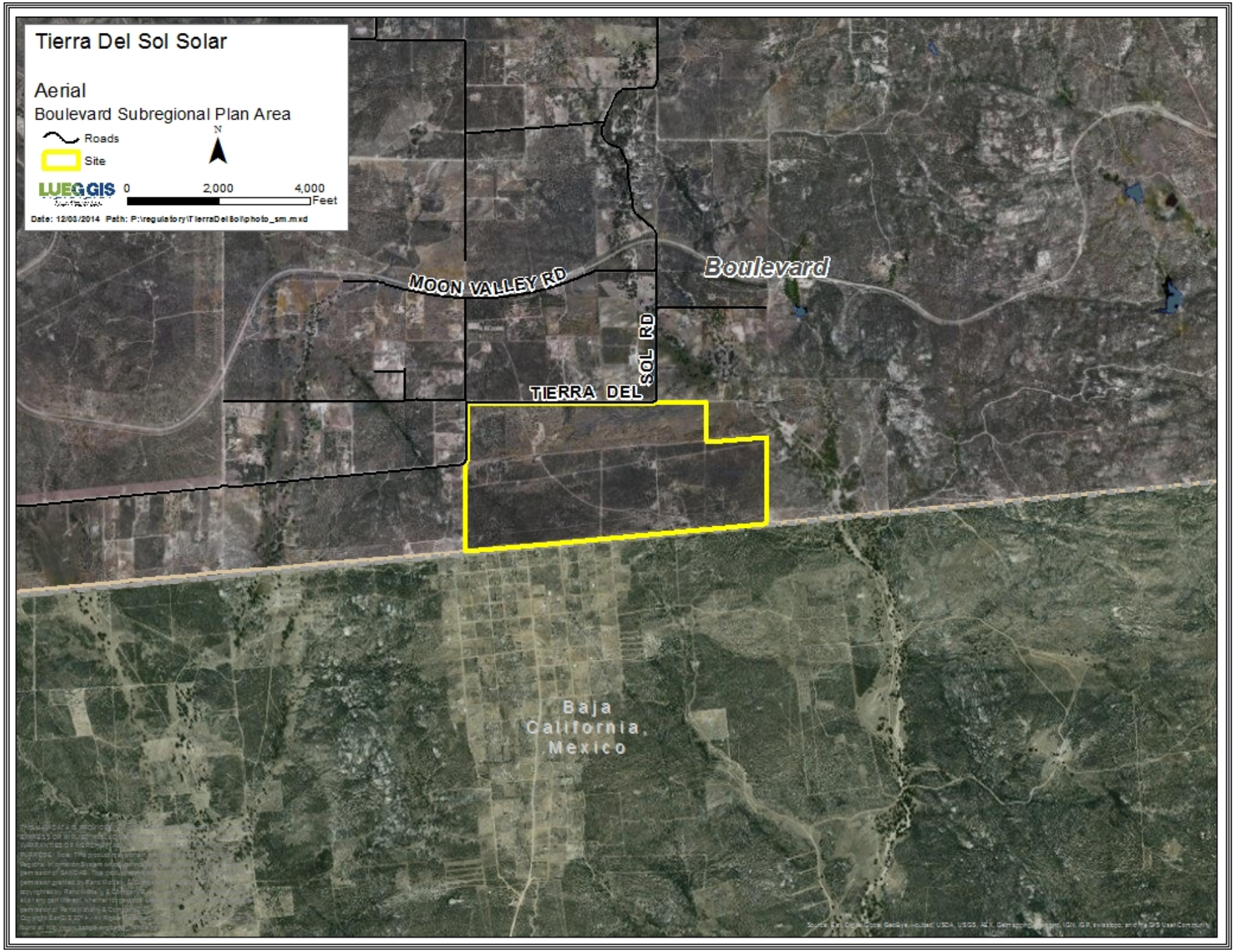

Rugged Solar
Aerial
Boulevard Subregional Plan Area
Roads
Site
N
LUEGGIS
0
2,500
5,000
Feet
Date: 12/03/2014 Path: P:\regulatory\Rugged Solar\photo_sm.mxd
Mountain Empire
CANEBRAKE RD
OPALOCKA RD
RIBBONWOOD RD
HI PASS RD
Boulevard
MC CAIN VALLEY RD
OLD HIGHWAY 80
SR-94
JEWEL VALLEY RD
Jacumba


Tierra Del Sol Solar
Vicinity Map
Boulevard
Subregional Plan Area
ZARIN
LAKE DR
Campo
Reservation
Boulevard
MOON VALLEY RD
TIERRA DEL SOL RD
Baja
California,
Mexico
N
1:3,500,000
Roads
Site
Parcels
N
0
2,500
5,000
Feet
LUEG GIS
Date: 12/03/2014
Path: P:\regulatory\TierraDelSol\vicinity.mxd


Tierra Del Sol Solar
General Plan Map
Boulevard
Subregional Plan Area
(17) Semi-Rural Residential (SR-10)
(18) Rural Lands (RL-20)
(20) Rural Lands (RL-80)
(32) Public/Semi-Public Facilities
17
18
20
32
MOON VALLEY RD
ALTA VEGA RD
Boulevard
Baja
California,
Mexico
Roads
Site
Parcels
Planning
N
0 750 1,500
Feet
LUEG GIS
Date: 12/03/2014
Path: P:\regulatory\TierraDelSolplan.mxd


Tierra Del Sol Solar
Zoning Map
Boulevard
Subregional Plan Area
A70 - Limited Agricultural
S92 - General Rural
MOON VALLEY RD
S92
ALTA VEGA RD
Boulevard
A70
Baja
California,
Mexico
Roads
Site
Parcels
Zoning
N
0 750 1,500
Feet
LUEG GIS
Date: 12/03/2014
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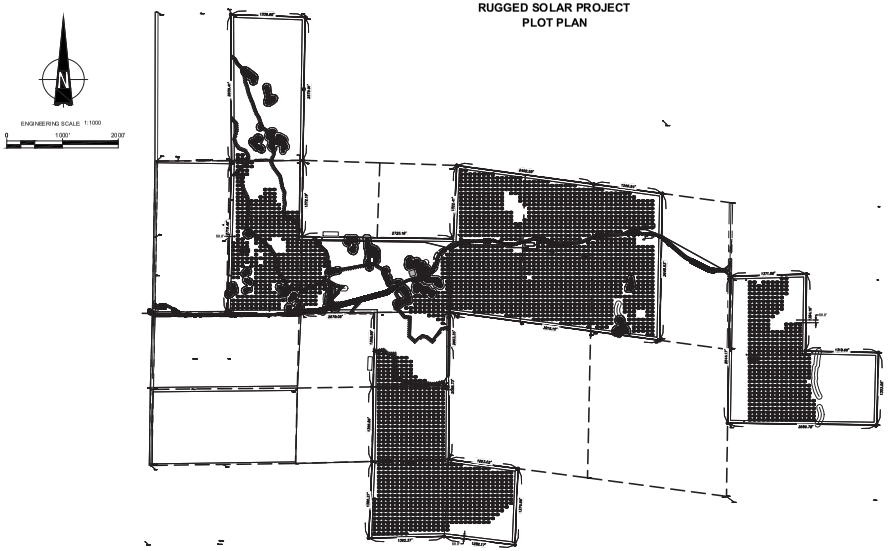

Tierra Del Sol Solar
Aerial
Boulevard Subregional Plan Area
Roads
Site
N
LUEGGIS
0
750
1,500
Feet
Date: 12/03/2014 Path: P:\regulatory\TierraDelSol\photo_lg.mxd
VALLEY RD
ALTA VEGA RD
TIERRA ESTRELLA
TIERRA
Boulevard
Baja California Mexico


Tierra Del Sol Solar
Aerial
Boulevard Subregional Plan Area
Roads
Site
N
0
2,000
4,000
Feet
Date: 12/03/2014 Path: P:\regulatory\TierraDelSol\photo_sm.mxd
MOON VALLEY RD
Boulevard
TIERRA DEL SOL RD
Baja California, Mexico

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"

RUGGED SOLAR LLC

RUGGED SOLAR PROJECT
PLOT PLAN



ABBREVIATIONS:

AC	Alternating Current
ADT	Average Daily Trips
BB	Building Block
BMP	Best Management Practice
CEQA	California Environmental Quality Act
CPV	Concentrating Photovoltaic
CFA	County Fire Authority
DPLU	County of San Diego, Department of Planning and Land Usage
DS	Design Standard
EIR	Environmental Impact Report
EOP	Edge of Pavement
FT	Feet
kV	kilovolts
kW	kilowatts
MAX	Maximum
MOU	Memorandum of Understanding
MPA	Major Use Permit Application
MUP	Major Use Permit
MW	Megawatts
NTS	Not to Scale
PL	Property Lines
QTY	Quantity
RL	Rural Land
ROW	Right of Way
RPO	Resource Protection Ordinance
SQFT	Square Feet

SHEET INDEX

C-100 LEGEND, SYMBOLS, ABBREVIATIONS & NOTES
C-101 PLOT PLAN DRAWING MAP
C-102 PLOT PLAN NORTH WEST
C-103 PLOT PLAN SOUTH
C-104 PLOT PLAN CENTER TOP
C-105 PLOT PLAN CENTER BOTTOM
C-106 PLOT PLAN EAST
C-107 ROAD DETAIL AND LANDSCAPE SCREENING DETAILS

C-110 EASEMENT PLAN DRAWING MAP
C-111 EASEMENT PLAN NORTH WEST
C-112 EASEMENT PLAN EAST

C-120 PLOT PLAN 34.5 KV OVERHEAD

C-130 1.36 / 2.0 MW INVERTER BOX DESIGN / ENERGY STORAGE SYSTEM
C-131 O&M BUILDING
C-132 FENCE ELEVATION DETAIL
C-133 TRACKER ELEVATION DETAIL
C-134 WATER TANK ELEVATION DETAIL, 34.5kV & 34.5kV / 69kV OVERHEAD ELEVATION DETAIL

PARCEL ZONING SETBACK SCHEDULE

APN	SETBACK SCHEDULE DESIGNATION
611-110-01	C
611-091-07	D
612-030-19	D
612-030-01	D
611-090-04	D
611-091-03	D
611-090-02	D
611-060-04	D
611-100-07	D

RESERVED FOR COUNTY STAMPS

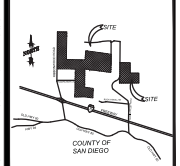
GENERAL NOTES:

1. Each tracker assembly is approximately 48 FT wide with a maximum constructed height of 30 ft and spaced approximately 69 FT North to South; 82 FT East to West.
2. Entrance to each gate will be from an improved driveway that shall be designed in accordance with County of San Diego Design Standard DS-19 and equipped with an emergency key-operated override switch.
3. At no point does the change of grade, along the primary access road, exceed 10%.
4. Detailed cross sections of the roads are provided on the preliminary grading plan.
5. All compaction requirements are listed on the preliminary grading plan.
6. Turnaround shall be designed in accordance with County of San Diego Design Standard DS-06 for a county emergency fire apparatus.
7. The project site is not located in a designated flood plain, therefore lines of inundation are not shown.
8. Temporary and Permanent BMPs are shown on the preliminary grading plan.
9. All coordinates shown are state plane coordinates based on CCS83, Zone 6 (2007.00 Epoch).
10. All dimensions are shown in Decimal Feet.
11. The solar related facilities (panels, electrical connections, transformer/inverter platform, O&M buildings, emergency generator, fencing, internal access and switchgear pad, etc.) shown on the plot plans may be relocated, (exclusive of the open space areas & undeveloped (future development area)) with the administrative approval of the director of dplu when found in conformance with the intent and conditions of the permit's approval. Transformer/inverter platform locations can be relocated/reconfigured without requirement of minor deviation.
12. Solar related facilities (panels, electrical connections, transformer / inverter platform, emergency generator, fencing, internal access and switchgear platform, etc.) shown on the plot plan maybe relocated, reconfigured, and / or resized within the solar facility development area (exclusive of any open space areas) with the administrative approval of the director of PDS when found in conformance with the intent and conditions of permit's approval. Transformer / Inverter / Generator size, locations, brand, electrical size can be relocated, replaced or reconfigured without requirement of minor deviation.
13. Areas designated as "SPECIAL FUEL MODIFICATION ZONES" are to be cleared of existing vegetation, then covered with landscaping fabric and weighted down using a surfacing material of crushed stone.
14. Along the length of the perimeter fencing, every 750 feet, a pedestrian gate will be located that is 3 feet wide and padlocked with a chain and fire key.
15. Roads moved per fire department
16. When there is a major storm event all of the trackers in the flood area will be placed in a flat horizontal position (Storm Mode) as required by the plant standard of operations.

SIGHT DISTANCE:
To be submitted under separate cover

OWNER INFORMATION				
NAME:	Waterstone Support Foundation Inc. John Gibson	Frankie Thibodeau	Vista Oaks Business Park John Gibson	Harmony Grove Partners John Gibson
ADDRESS:	2925 Professional Pl #200	39990 Roadrunner Ln	1000 Pioneer Way	1000 Pioneer Way
CITY:	Colorado Springs	Boulevard	El Cajon	El Cajon
STATE:	CO	CA	CA	CA
ZIP:	80904	91905	92020	92020
PHONE:	(619) 440-7424	(619) 766-9105	(619) 440-7424	(619) 440-7424
APN# 's and (Acreage)	611-110-01 (63.72)	611-091-07 (42.39), 612-030-19 (43.43), 612-030-01 (33.11)	611-090-04 (22.62), 611-091-03 (14.62), 611-090-02 (69.83), 611-060-04 (1.64),	611-100-07 (214.84)
TOTAL TRACKER	434	799	617	1441

VICINITY MAP



OWNER INFORMATION

NAME: SEE TABLE AT C-100
ADDRESS:
CITY:
STATE:
ZIP:
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

NAME: Pat Brown
ADDRESS: 16550 Via Esprillo
CITY: San Diego
STATE: CA
ZIP: 92127
PHONE: (858) 766-9000
FAX:
EMAIL: patrick.brown@soitec.com

PARCEL INFORMATION

APN: 6120300100,6120301900,6110910700,6110910300,6110900400, 6110600400,6110900200,6111000700,6111100100

SITE ADDRESS:
North of I-8, east of Ribbonwood Road.
on both sides of McCain Valley Road

I CERTIFY THAT I HAVE READ ALL ZONING REGULATIONS AND BEST MANAGEMENT PRACTICES (BMPs) NOTES AND THAT I AM THE DESIGNER OF THE PROPOSED PROJECT:

DESIGNER SIGNATURE REQUIRED DATE

PROJECT INFORMATION

EXISTING:
Rolling, rugged land with two detached land sections made up of many parcels. All land is randomly populated by boulders. The site is minimally developed with unpaved roads.

PROPOSED:
Project located on approximately 506 acres and includes construction and operation of approximately 3291 Concentrated Photovoltaic (CPV) trackers with associated approximately 57 Inverters Skids and Transformers.

PLOT PLAN INFORMATION

CPV System Summary

Approx. Number of Trackers:	3291
No. of Inverter Skids:	57
Total Lease Area (Acres):	506
Estimated Disturbed Acreage:	490
Coverage Ratio Range:	0.3 - 13%

SDC PDS RCVD 12-16-14
3300-12-007

DESIGNER
AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CLIENT
Soitec
Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

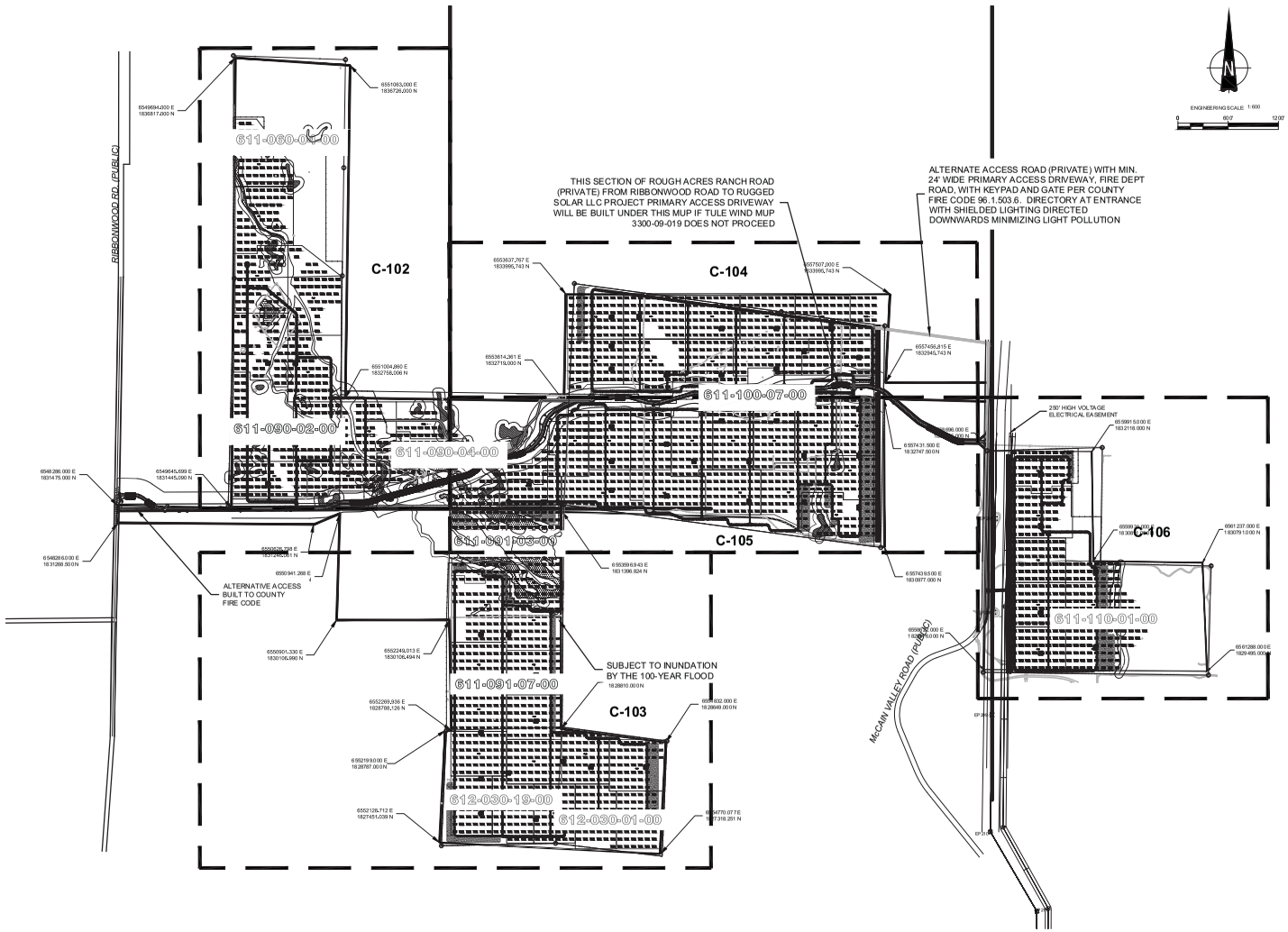
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LEGEND, SYMBOLS ABBEREVATIONS & NOTES

SHEET NUMBER	REV.
C-100	1

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PLOTTED BY: PATRICK BROWN [AECOM] PLOT DATE: 12/16/2014

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



VICINITY MAP



OWNER INFORMATION

NAME: SEE TABLE AT C-100
ADDRESS:
CITY:
STATE:
ZIP:
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

NAME: Pat Brown
ADDRESS: 16550 Via Esprillo
CITY: San Diego
STATE: CA
ZIP: 92127
PHONE: (858) 746-9000
FAX:
EMAIL: patrick.brown@soitec.com

PARCEL INFORMATION

APN: 6120300100,6120301900,6110910700,6110910300,6110900400,6110600400,6110900200,6111000700,6111100100
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Coverage Ratio Range:	0.3 - 13%

SHEET TITLE

PLOT PLAN
SHEET MAP

SHEET NUMBER	REV.
C-101	1

AECOM

DESIGNER

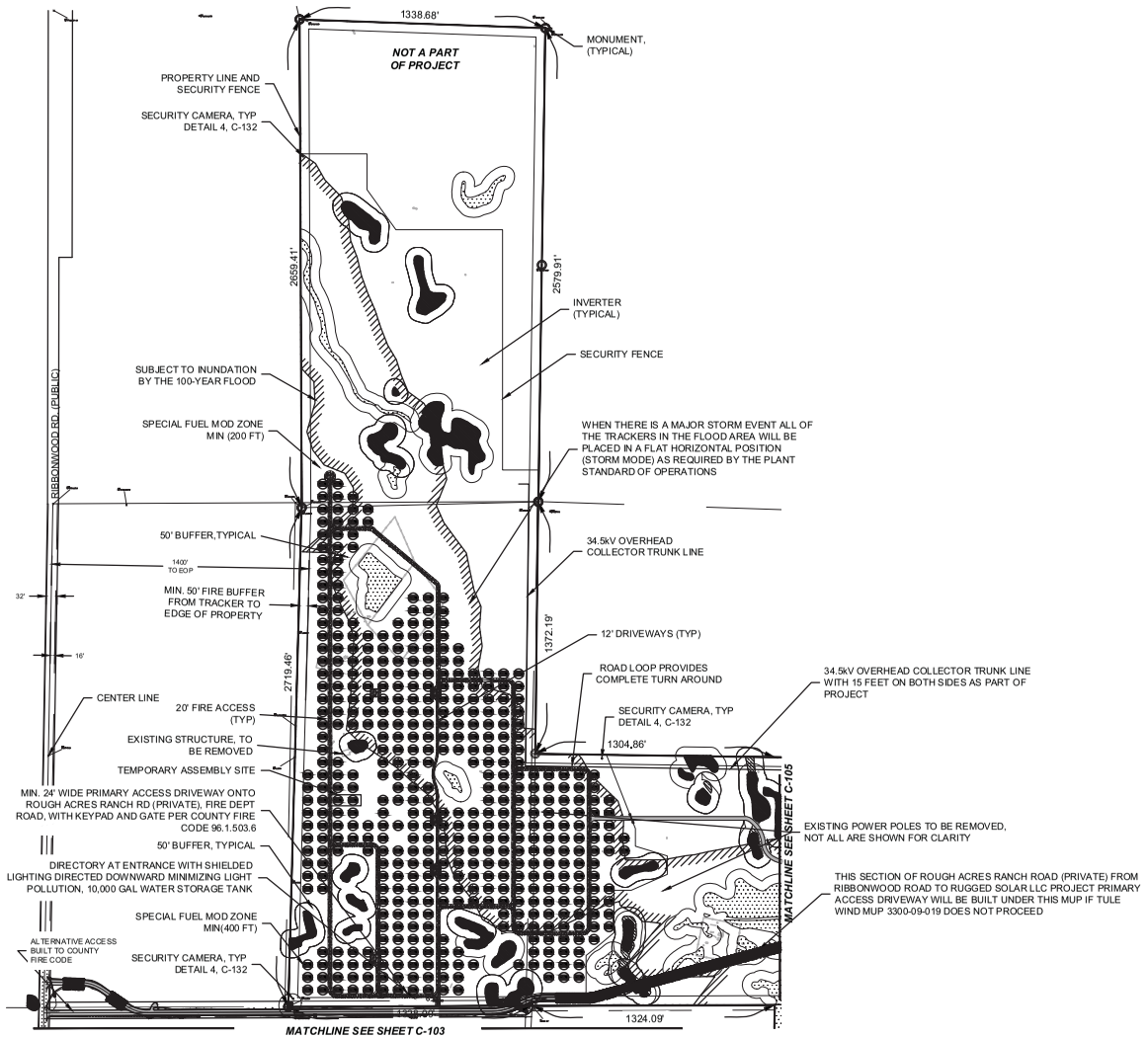
AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

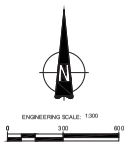
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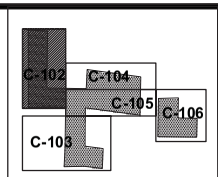
Soitec

Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

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PLOTTED BY: PRIBAS, CLAUDE | PLOTTED ON: Jul 29, 2010 - 10:04AM







PLOT PLAN KEY MAP

LEGEND:

- WETLANDS (WITH A 50 FT BUFFER REPRESENTED BY A THIN LINE)
- OAKS (WITH A 50 FT BUFFER REPRESENTED BY A THIN LINE)
- JURISDICTIONAL WATER (WITH A 50 FT BUFFER REPRESENTED BY A THIN LINE)
- CPV TRACKER
- INVERTER
- SECURITY FENCE
- TEMPORARY ASSEMBLY SITE
- PROPERTY LINE
- 20' FIRE ACCESS
- 34.5kV OVERHEAD COLLECTOR TRUNK LINE
- 12' DRIVEWAYS
- SPECIAL FUEL MOD ZONE

AECOM

DESIGNER

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CLIENT

Soitec

Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

VICINITY MAP



OWNER INFORMATION

NAME: SEE TABLE AT C-100
ADDRESS:
CITY:
STATE:
ZIP:
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

NAME: Pat Brown
ADDRESS: 16550 Via Esprillo
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STATE: CA
ZIP: 92127
PHONE: (858) 746-9000
FAX:
EMAIL: patrick.brown@soitec.com

PARCEL INFORMATION

APN: 612030010,612030190,611091070,611091030,611090040,611060040, 611090020,611100070,611110010

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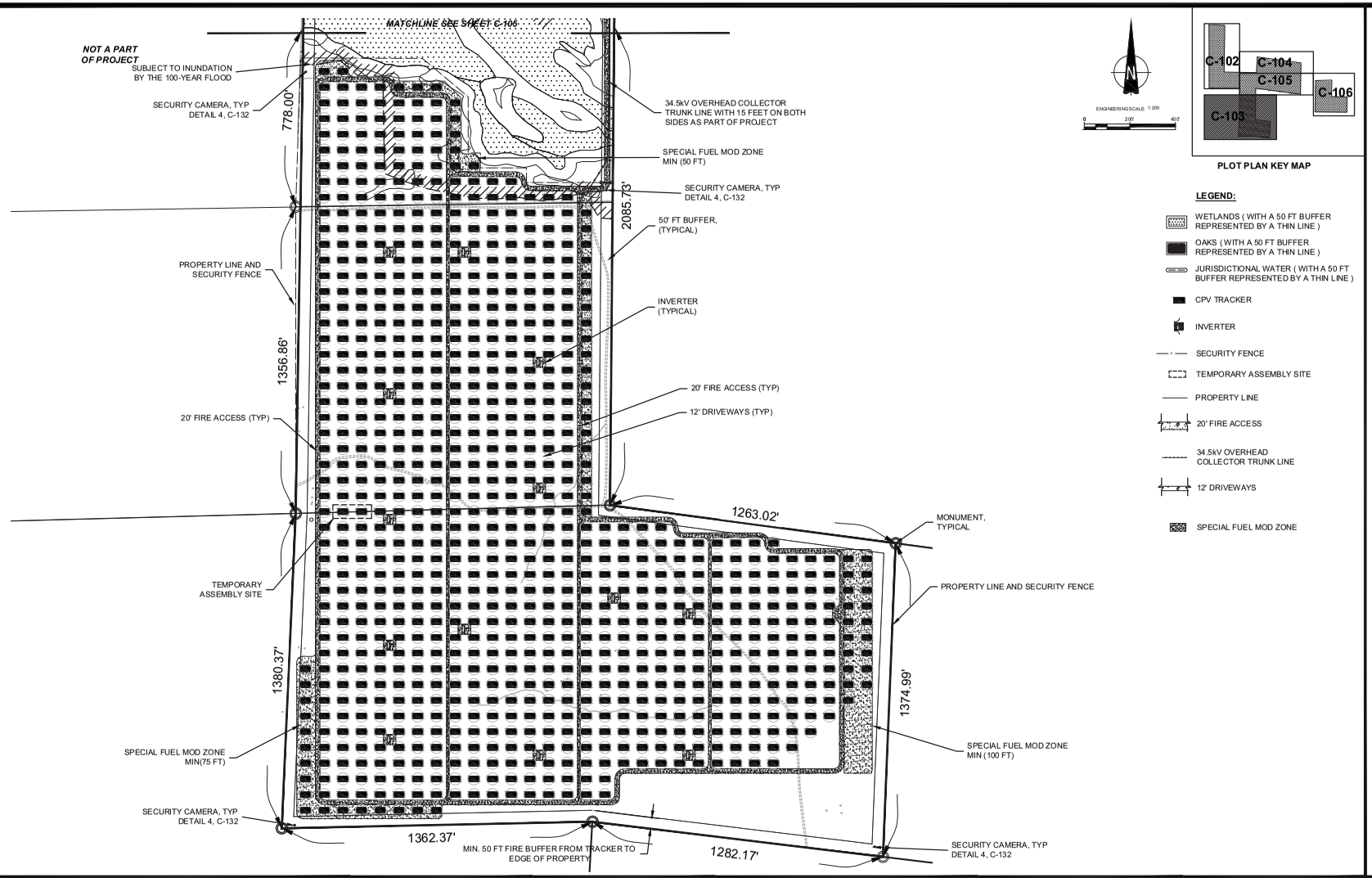
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PLOT PLAN (NORTH WEST)

SHEET NUMBER	REV.
C-102	1

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PLOTTED BY: PATRICK BROWN | PLOT DATE: 7/29/2014 8:49 AM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



AECOM

DESIGNER

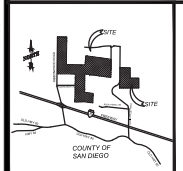
AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
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www.aecom.com

CLIENT

Soitec

Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

VICINITY MAP



OWNER INFORMATION

NAME: SEE TABLE AT C-100
ADDRESS:
CITY:
STATE:
ZIP:
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

NAME: Pat Brown
ADDRESS: 16550 Via Esprillo
CITY: San Diego
STATE: CA
ZIP: 92127
PHONE: (858) 746-9000
FAX:
EMAIL: patrick.brown@soitec.com

PARCEL INFORMATION

APN: 612030010,612030190,611091070,611091030,611090040,611060040,611090020,611100070,611110010

SITE ADDRESS:
North of I-8, east of Ribbonwood Road.
on both sides of McCain Valley Road

I CERTIFY THAT I HAVE READ ALL ZONING REGULATIONS AND BEST MANAGEMENT PRACTICES (BMPs) NOTES AND THAT I AM THE DESIGNER OF THE PROPOSED PROJECT:

DESIGNER SIGNATURE REQUIRED DATE

PROJECT INFORMATION

EXISTING:
Rolling, rugged land with two detached land sections made up of many parcels. All land is randomly populated by boulders. The site is minimally developed with unpaved roads.

PROPOSED:
Project located on approximately 506 acres and includes construction and operation of approximately 3291 Concentrated Photovoltaic (CPV) trackers with associated approximately 57 Inverters Skids and Transformers.

PLOT PLAN INFORMATION

CPV System Summary

Approx. Number of Trackers:	3291
No. of Inverter Skids:	57
Total Lease Area (Acres):	506
Estimated Disturbed Acreage:	490
Coverage Ratio Range:	0.3 - 13%

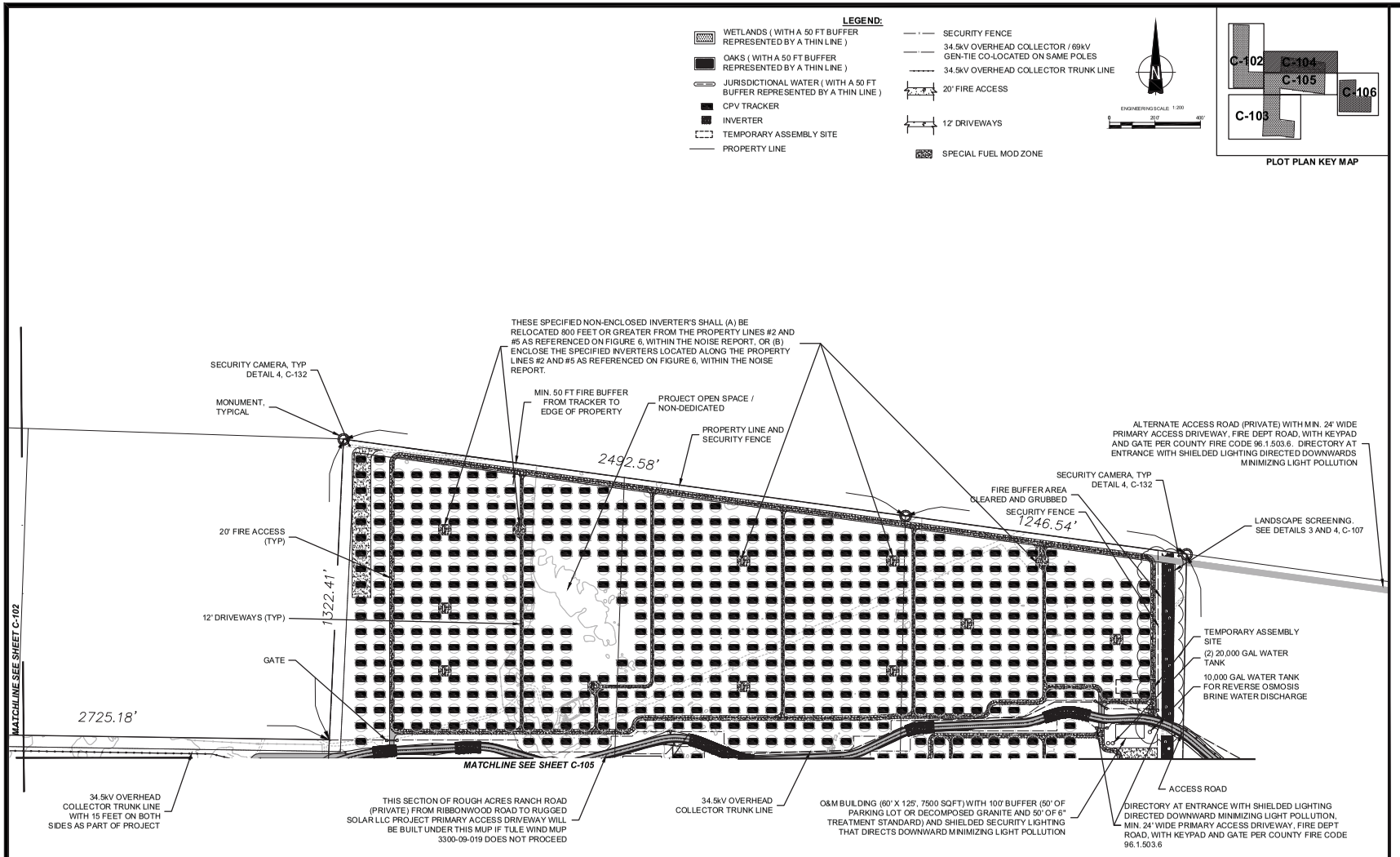
SHEET TITLE

PLOT PLAN SOUTH

SHEET NUMBER	REV.
C-103	1

FILE NAME: P:\10 ENERGY WEST - CURRENTLY CONSULTING SOLAR - 60212853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-103 PLOT PLAN.DWG
PLOTTED BY: PATRICK BROWN 11:47 AM 6/7/2011

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



AECOM

DESIGNER

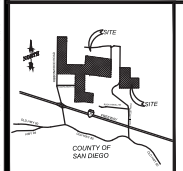
AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CLIENT

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EMAIL: patrick.brown@soitec.com

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APN: 611030010 0,612030190 0,611091070 0,611091030 0,611090040 0, 611060040 0,611090020 0,611110070 0,611110010 0

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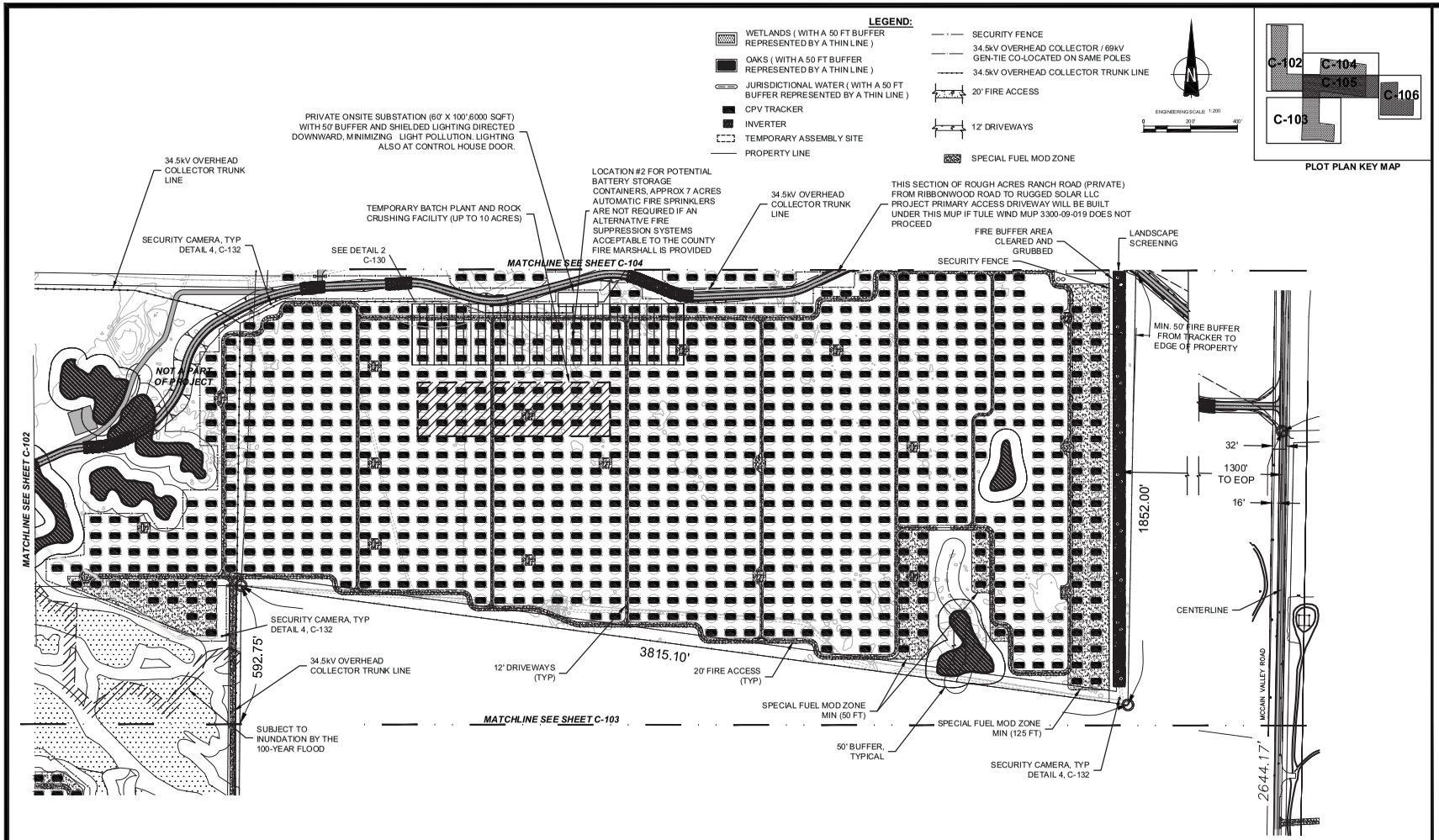
SHEET TITLE

PLOT PLAN
CENTER TOP

SHEET NUMBER	REV.
C-104	1

FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60213853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-104 PLOT PLAN.DWG
PLOTTED: 8/29/2013 8:47 AM BY: CHRISTOPHER.HAMM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



PLOT PLAN KEY MAP

DESIGNER

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
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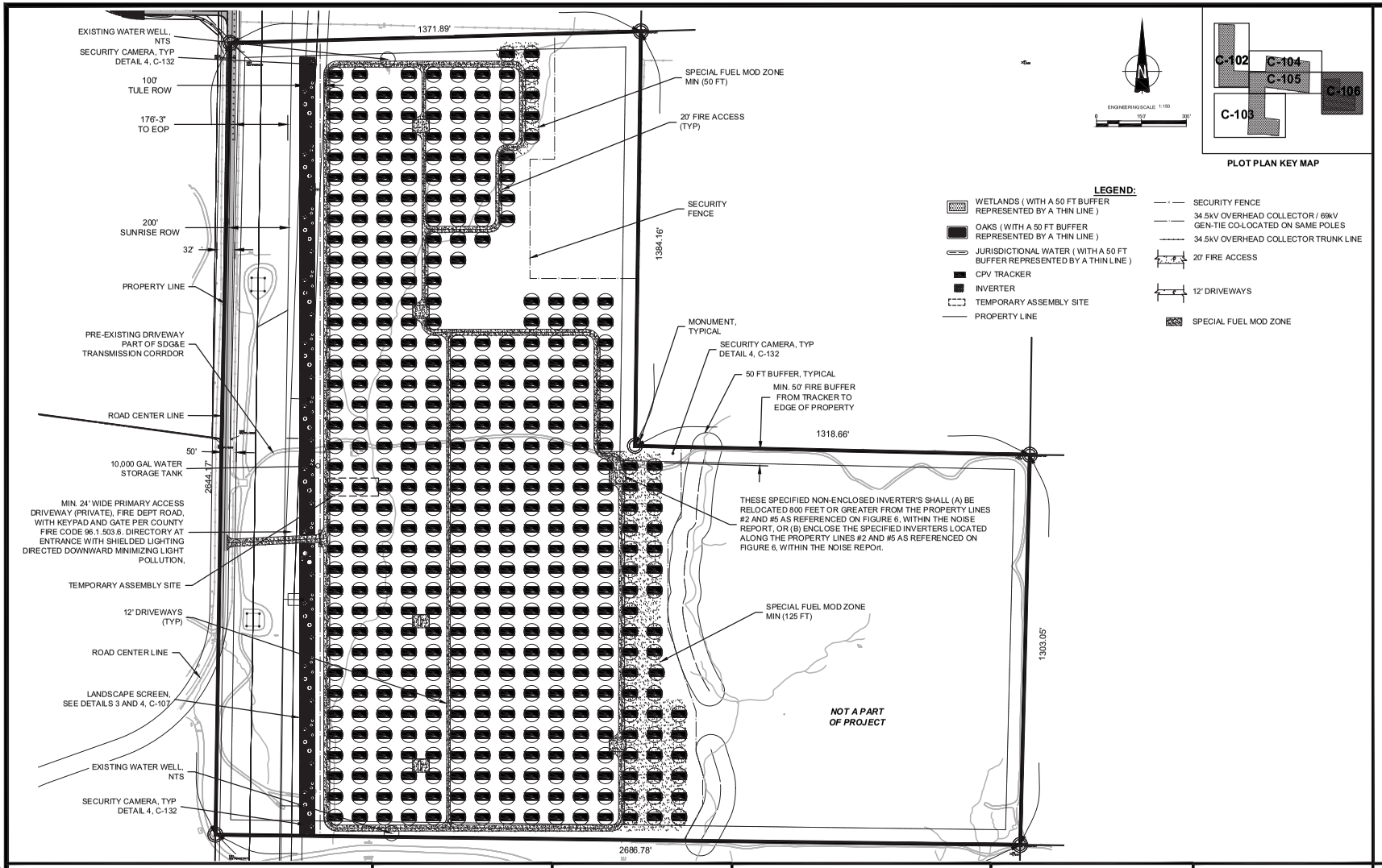
SHEET TITLE

PLOT PLAN
CENTER BOTTOM

SHEET NUMBER	REV.
C-105	1

FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60212853\460 TECHNICAL\461 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-105 PLOT PLAN.DWG
SAVED BY: PATRICK.BROWN | PLOTTED: 8/31/2011 10:39 AM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



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DESIGNER

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AECOM TECHINCAL SERVICES, INC
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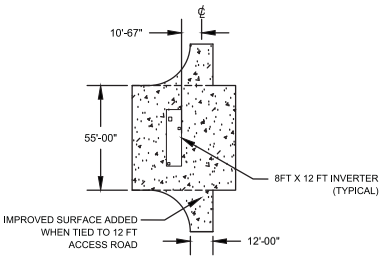
SHEET TITLE

PLOT PLAN EAST

SHEET NUMBER	REV.
C-106	1

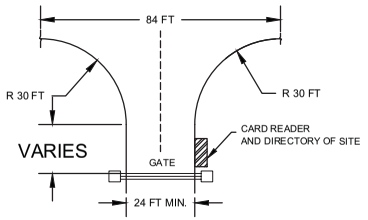
FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60212853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-106 PLOT PLAN.DWG
PLOTTED BY: PEDRO, PLOT DATE: 07/26/11 - 10:08 AM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



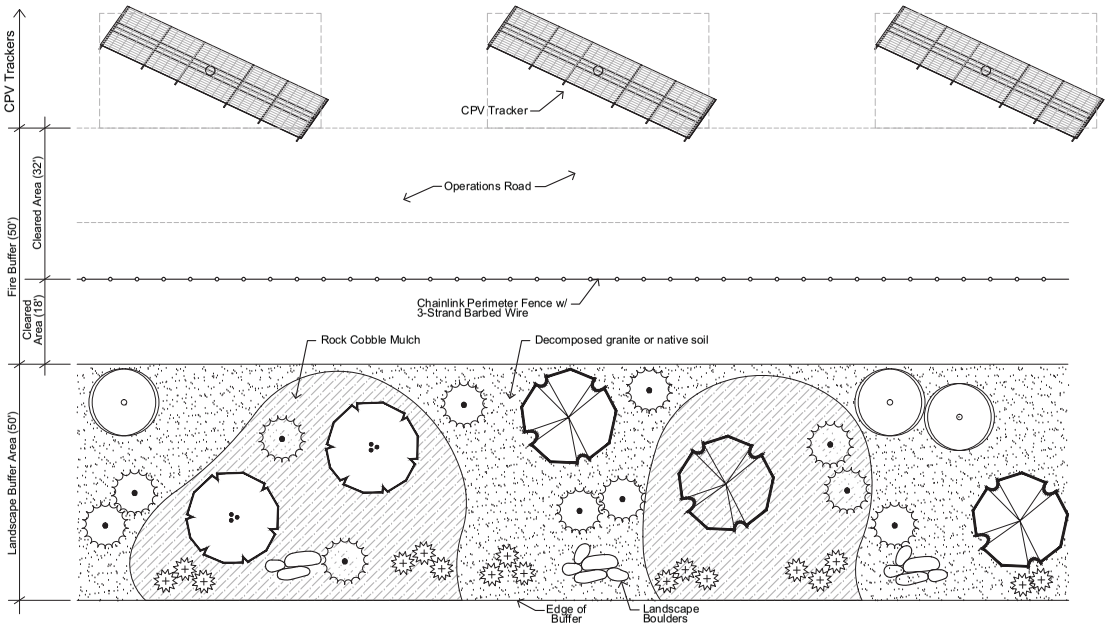
1 DETAIL - DECOMPOSED GRANITE PAD

SEE DETAIL 1 FOR MATERIAL COMPACTION NTS



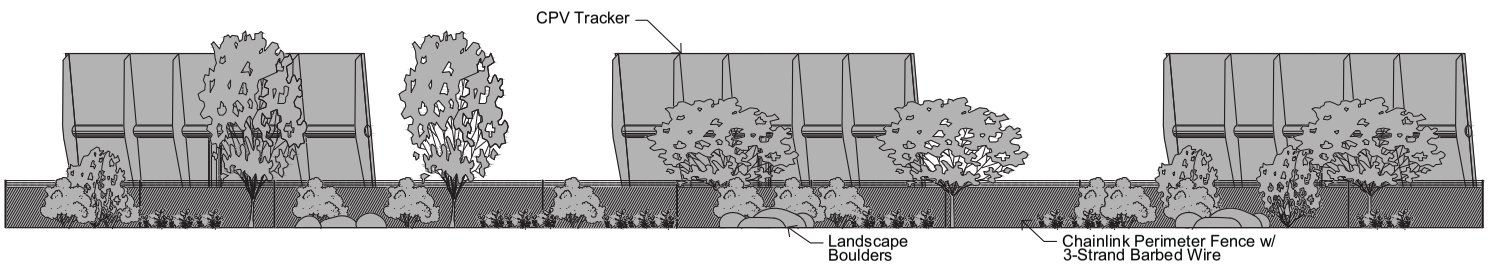
2 DETAIL - DRIVEWAY ENTRANCE

NTS



3 TYPICAL PLAN VIEW LANDSCAPE SCREEN

NTS



4 TYPICAL CROSS SECTION LANDSCAPE SCREEN

NTS

VICINITY MAP



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AECOM

DESIGNER

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440 Stevens Avenue, Suite 250
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858.947.7144 tel 858.947.7145 fax
www.aecom.com

CLIENT

Soitec

Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

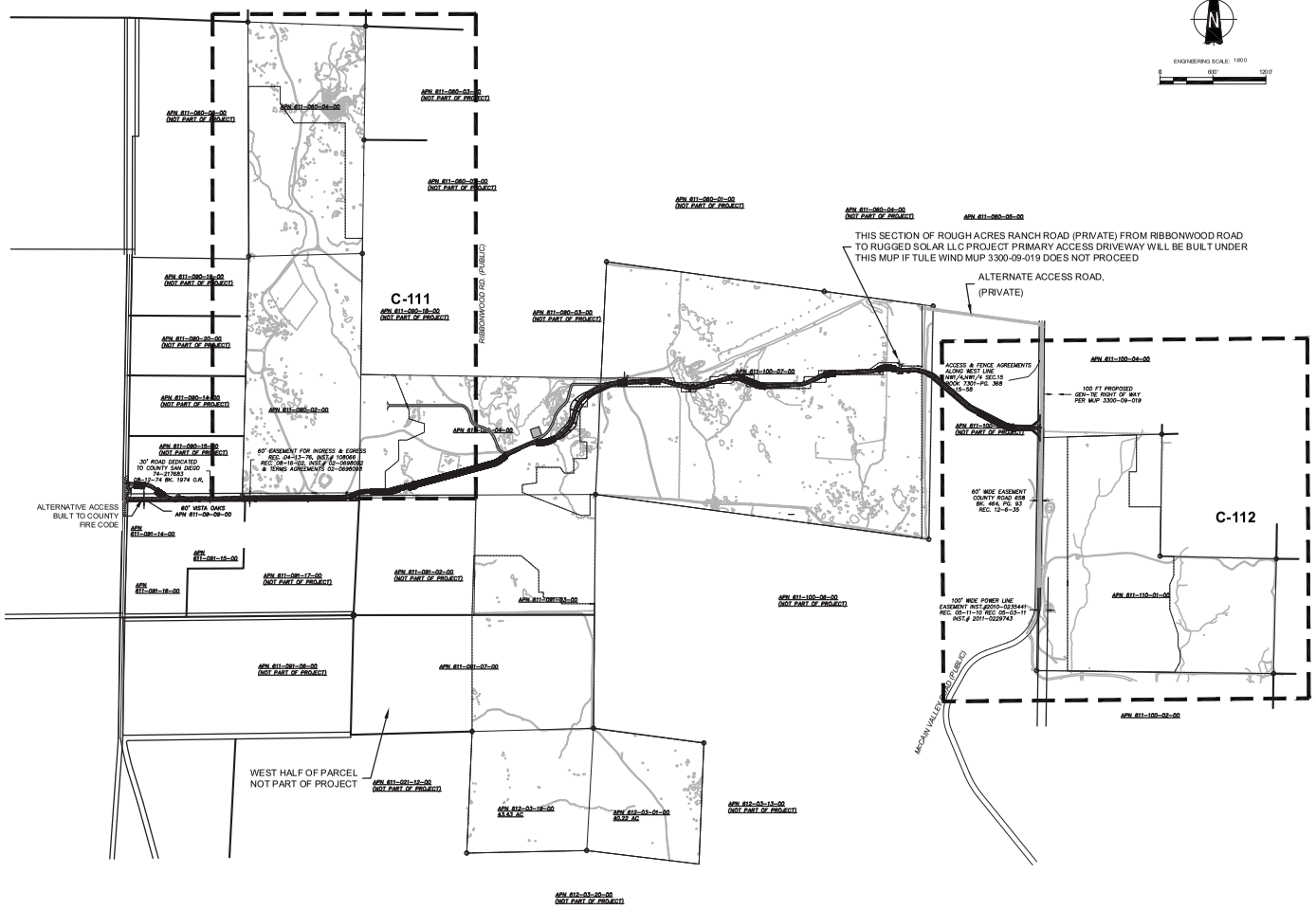
SHEET TITLE

ROAD DETAIL AND LANDSCAPE SCREENING DETAIL

SHEET NUMBER	REV.
C-107	1

FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60212853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\RUGGED SOLAR C-107 PLOT PLAN.DWG
PLOTTED BY: PATRICK BROWN PLOT DATE: 07/29/14

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



AECOM

DESIGNER

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
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CLIENT

Soitec

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San Diego, CA 92127

VICINITY MAP



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CONTACT INFORMATION

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PHONE: (858) 746-9000
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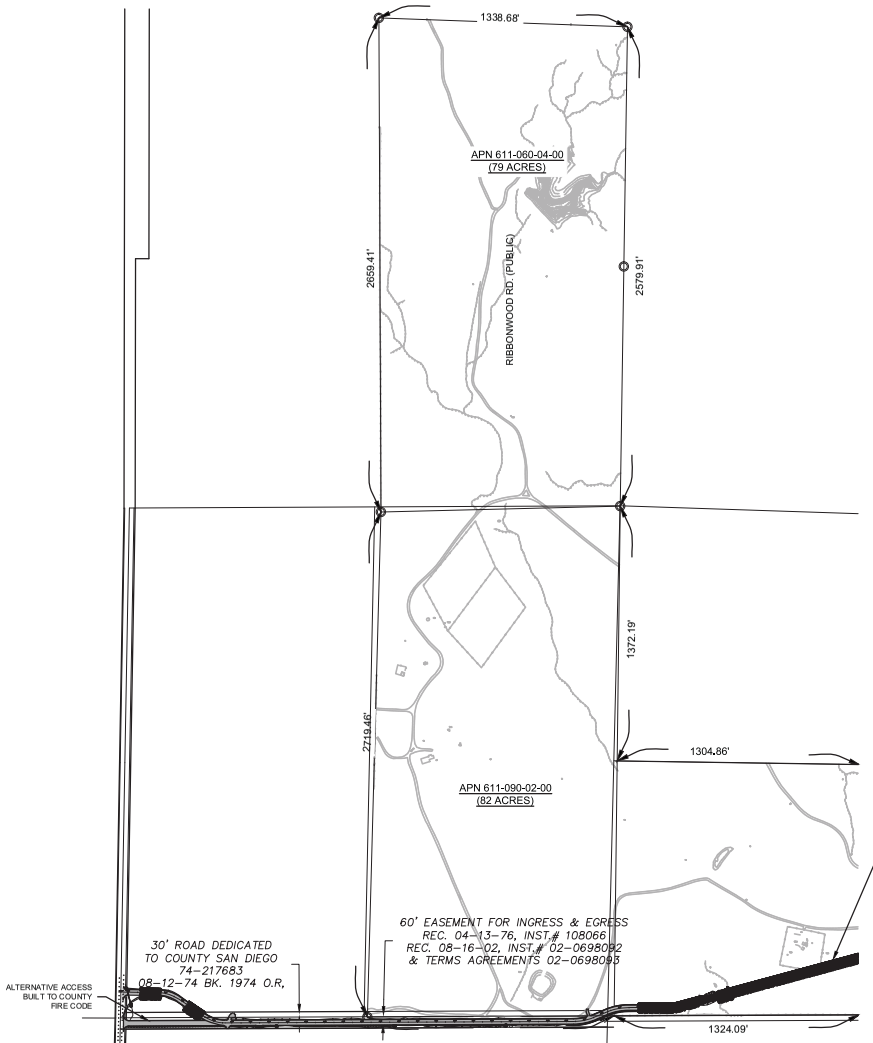
SHEET TITLE

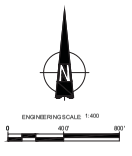
EASEMENT PLAN SHEET MAP

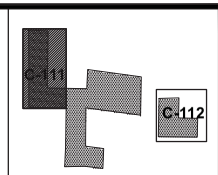
SHEET NUMBER	REV.
C-110	1

FILE NAME: P:\10 ENERGY WEST - CURRENTLY CONSULTING SOLAR - 60213853\460 TECHNICAL\461 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-110 EASEMENT PLAN.DWG
PLOTTED: 8/29/2012 10:39:04 AM BY: CHRISTOPHER.CLARK

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"







PLOT PLAN KEY MAP

DESIGNER

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
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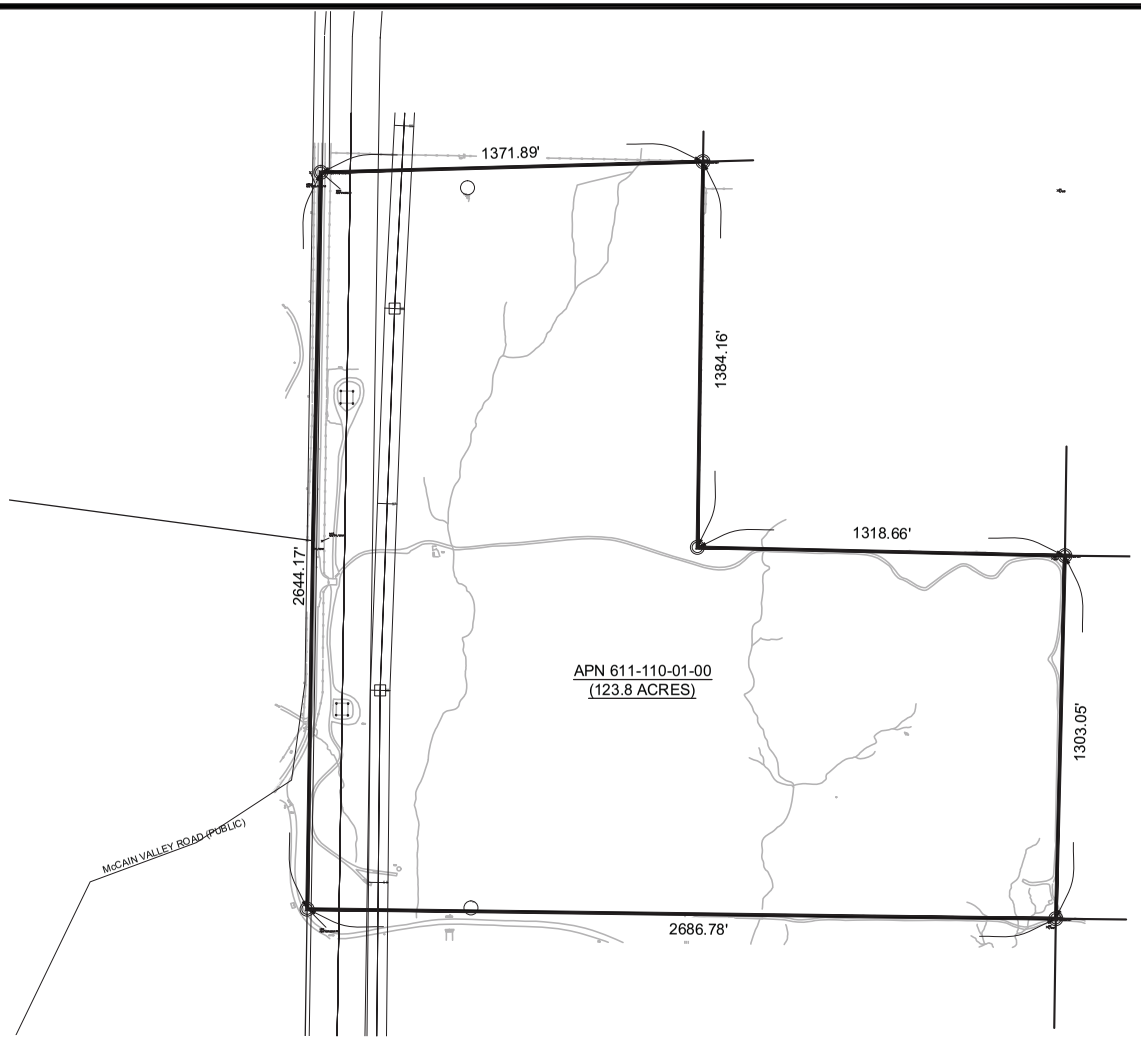
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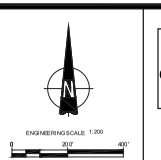
EASEMENT PLAN (NORTH WEST)

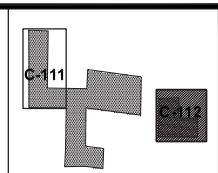
SHEET NUMBER	REV.
C-111	1

FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60213853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-111 EASEMENT PLAN.DWG
PLOTTED BY: PATRICK BROWN 4:47:42 PM 6/27/2012

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"







PLOT PLAN KEY MAP

AECOM

DESIGNER

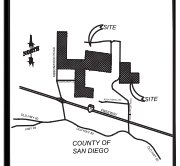
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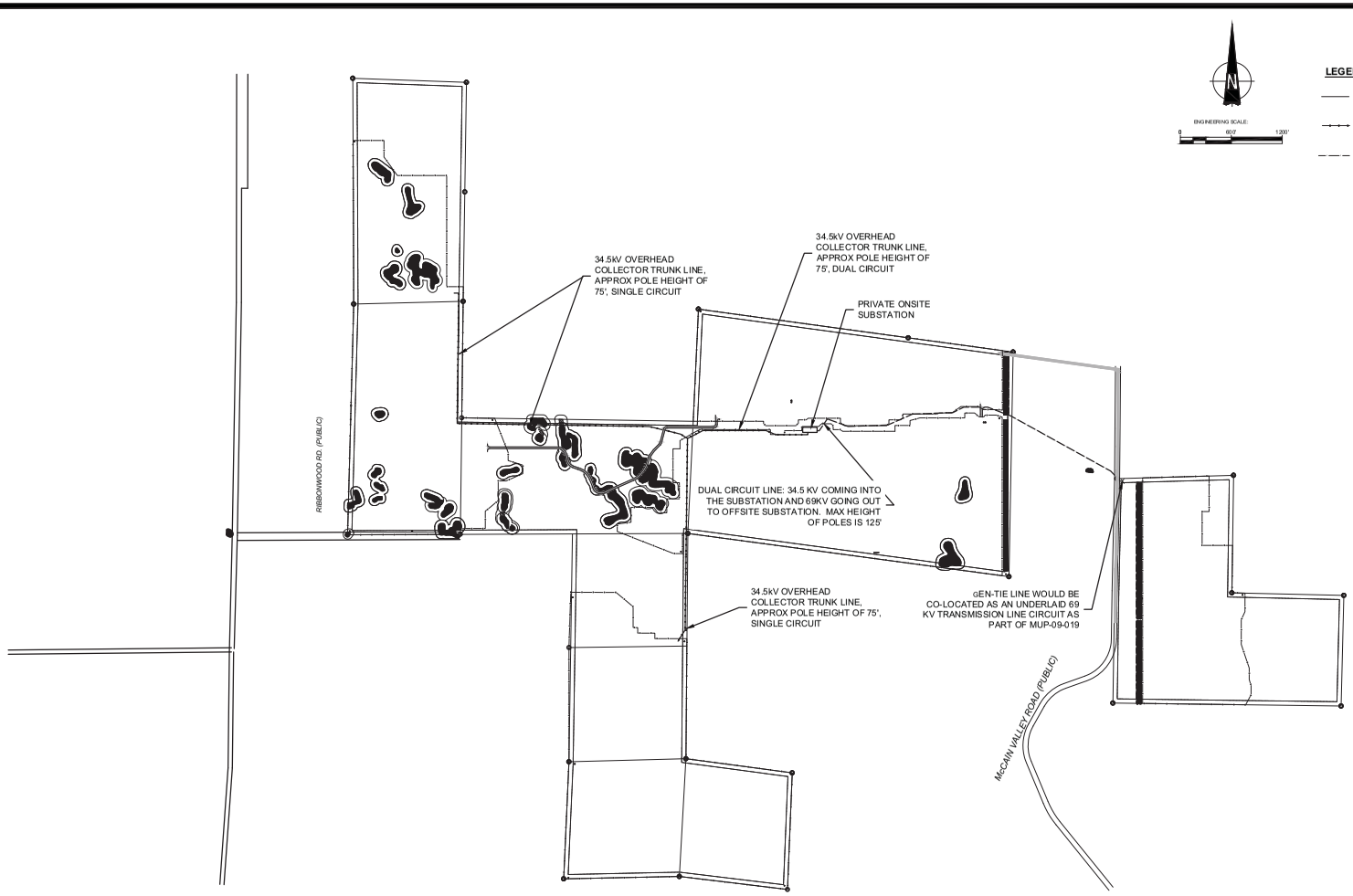
SHEET TITLE

EASEMENT PLAN EAST

SHEET NUMBER	REV.
C-112	1

FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60212853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-112 EASEMENT PLAN.DWG
PLOTTED BY: PATRICK BROWN 11:47 AM 6/5/2012

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



AECOM

DESIGNER

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CLIENT

Soitec

Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

VICINITY MAP



OWNER INFORMATION

NAME: SEE TABLE AT C-100
ADDRESS:
CITY:
STATE:
ZIP:
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

NAME: Pat Brown
ADDRESS: 16550 Via Esprillo
CITY: San Diego
STATE: CA
ZIP: 92127
PHONE: (858) 746-9000
FAX:
EMAIL: patrick.brown@soitec.com

PARCEL INFORMATION

APN: 6120300100,6120301900,6110910700,6110910300,6110900400, 6110600400,6110900200,6111000700,6111100100

SITE ADDRESS:
North of I-8, east of Ribbonwood Road.
on both sides of McCain Valley Road

I CERTIFY THAT I HAVE READ ALL ZONING REGULATIONS AND BEST MANAGEMENT PRACTICES (BMPs) NOTES AND THAT I AM THE DESIGNER OF THE PROPOSED PROJECT:

DESIGNER SIGNATURE REQUIRED DATE

PROJECT INFORMATION

EXISTING:
Rolling, rugged land with two detached land sections made up of many parcels. All land is randomly populated by boulders. The site is minimally developed with unpaved roads.

PROPOSED:
Project located on approximately 506 acres and includes construction and operation of approximately 3291 Concentrated Photovoltaic (CPV) trackers with associated approximately 57 Inverters Skids and Transformers.

PLOT PLAN INFORMATION

CPV System Summary

Approx. Number of Trackers:	3291
No. of Inverter Skids:	57
Total Lease Area (Acres):	506
Estimated Disturbed Acreage:	490
Coverage Ratio Range:	0.3 - 13%

SHEET TITLE

PLOT PLAN
34.5 KV OVERHEAD

SHEET NUMBER	REV.
C-120	

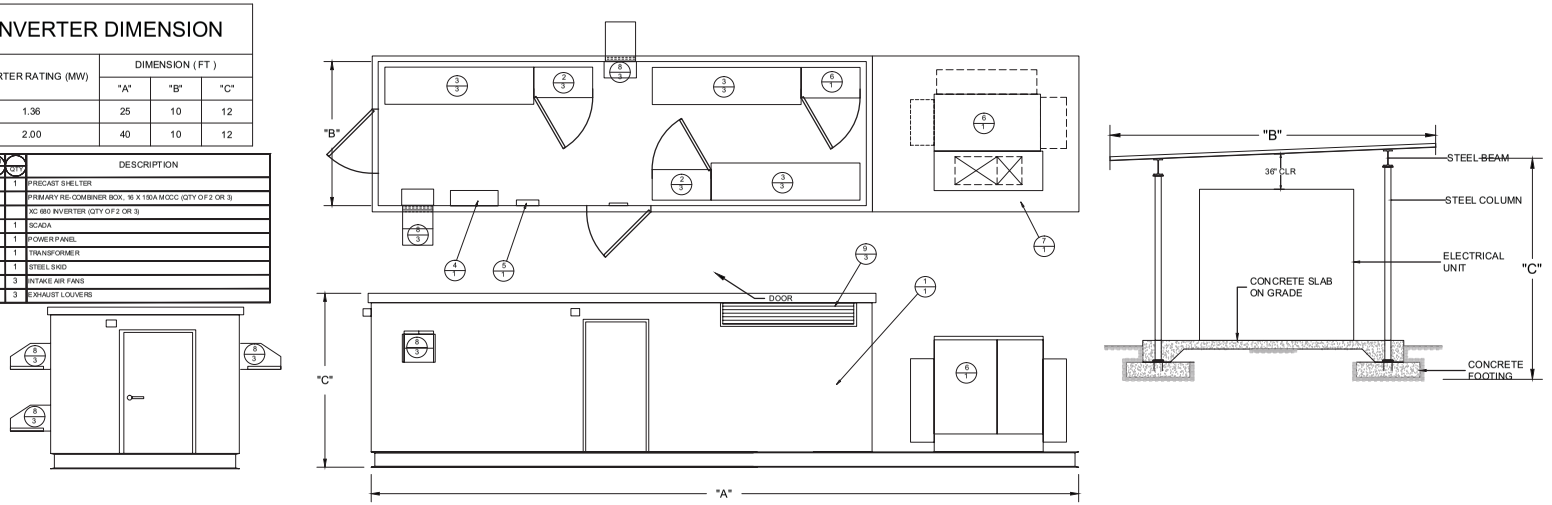
FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60213853\460 TECHNICAL\461 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-120 PLOT PLAN.DWG
PLOTTED BY: PATRICK.BROWN | PLOT DATE: 10/29/2010 11:39 AM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"

INVERTER DIMENSION

INVERTER RATING (MW)	DIMENSION (FT)		
	"A"	"B"	"C"
1.36	25	10	12
2.00	40	10	12

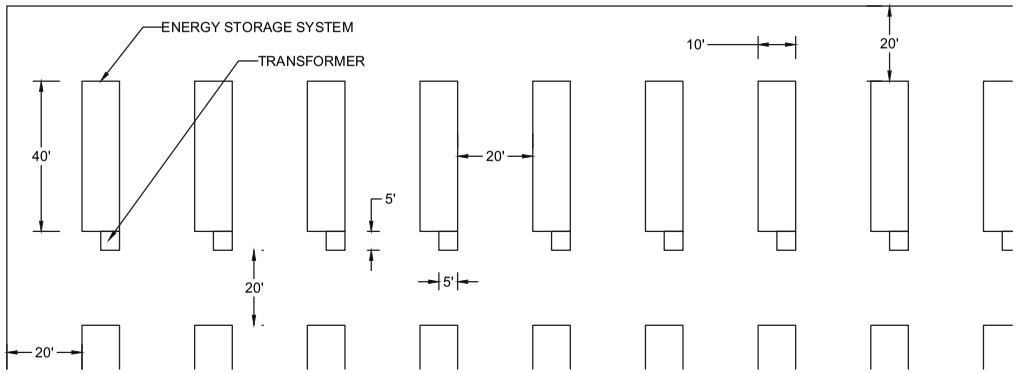
REV	ITEM	QTY	DESCRIPTION
	1	1	PRECAST SHELTER
	2		PRIMARY RE-COMBINER BOX, 16 X 150A MCCC (QTY OF 2 OR 3)
	3		XC 680 INVERTER (QTY OF 2 OR 3)
	4	1	SCADA
	5	1	POWER PANEL
	6	1	TRANSFORMER
	7	1	STEEL SKID
	8	3	INTAKE AIR FANS
	9	3	EXHAUST LOUVERS



1 OPEN INVERTER ON SKID WITH SUN SHADE
Scale: NA

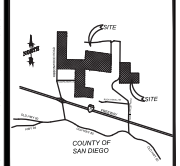
NOTES:

1. ENERGY STORAGE SYSTEM CONTAINERS SHALL BE PAINTED A COLOR CONSISTENT IN HUE AND INTENSITY WITH CPV TRACKER. MATERIALS COATINGS, OR PAINTS HAVING LITTLE OR NO REFLECTIVITY SHALL BE USED WHENEVER POSSIBLE.
2. TO ENSURE NOISE FROM ENERGY STORAGE SYSTEM HVAC UNITS, TRANSFORMERS AND INVERTERS WILL COMPLY WITH COUNTY NOISE ORDINANCE, ONE OF THE FOLLOWING MEASURES SHALL BE IMPLEMENTED: A) IF THE BATTERY STORAGE CONTAINER UNITS ARE EQUIPPED WITH STANDARD HVAC UNIT (NACO MODEL 30RB120, OR EQUIVALENT), EACH HVAC UNIT SHALL BE SURROUNDED BY A SOLID PERIMETER SCREEN WALL WITH ELEVATION ONE FOOT HIGHER THAN THE TOP ELEVATION OF THE HVAC UNIT. IN ADDITION, EACH STEP-UP TRANSFORMER AND RELATED PAIR (2) OF POWER INVERTERS SHALL BE ENCLOSED WITH AN 8-FOOT HIGH SOLID PERIMETER WALL. B) IF THE BATTERY STORAGE CONTAINER UNITS ARE EQUIPPED WITH A QUIETER HVAC UNIT (DAIKIN MCQUAY 025D, OR EQUIVALENT) EACH HVAC UNIT SHALL BE SURROUNDED BY A SOLID PERIMETER SCREEN WALL WITH ELEVATION ONE FOOT HIGHER THAT THE TOP ELEVATION OF THE CHILLER UNIT. NO TRANSFORMER OR INVERTER SCREEN WALLS ARE NECESSARY IF THE DAIKIN MCQUAY 025D, OR SOUND EQUIVALENT HVAC MODEL IS USED.
3. AUTOMATIC FIRE SPRINKLERS ARE NOT REQUIRED IF AN ALTERNATIVE FIRE SUPPRESSION SYSTEM ACCEPTABLE TO THE COUNTY FIRE MARSHALL IS PROVIDED



2 ENERGY STORAGE SYSTEM WITH TRANSFORMER
Scale: NA

VICINITY MAP



OWNER INFORMATION

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SHEET TITLE

1.36 / 2.0 MW INVERTER BOX DESIGN / ENERGY STORAGE SYSTEM

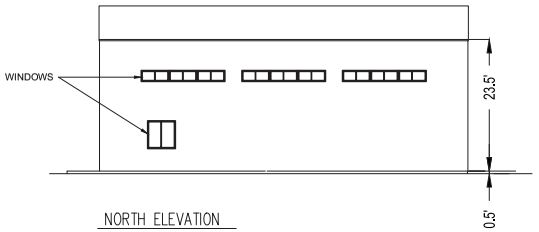
SHEET NUMBER	REV.
C-130	1

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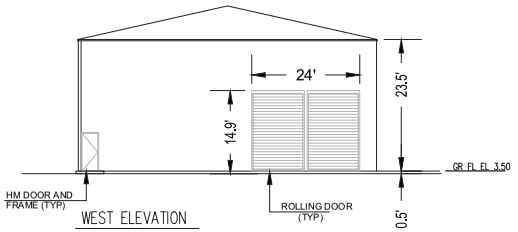
CLIENT
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16550 Via Esprillo
San Diego, CA 92127

FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60212853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-130.DWG
PLOTTED: 8/1/2011 8:29 AM BY: CHRISTOPHER.HALL

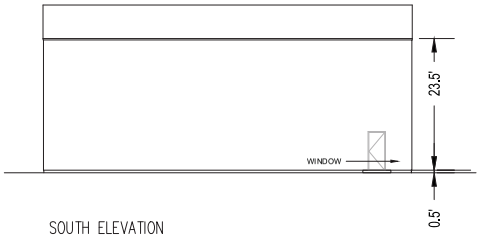
PRELIMINARY NOT FOR CONSTRUCTION
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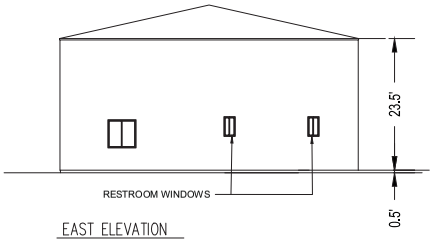
NORTH ELEVATION



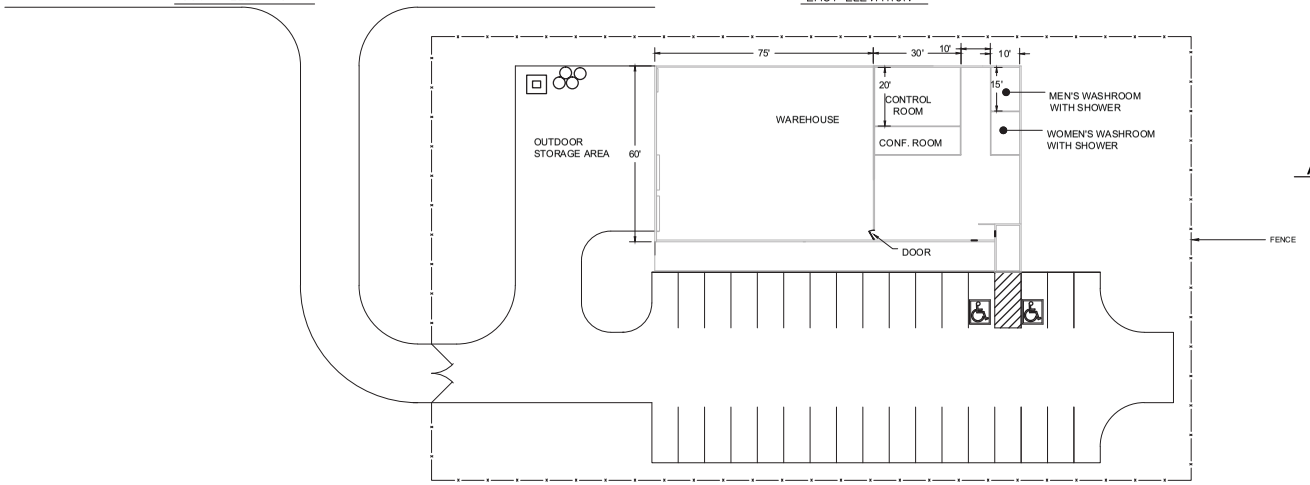
WEST ELEVATION



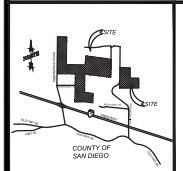
SOUTH ELEVATION



EAST ELEVATION



A PLAN VIEW
Scale: NA

VICINITY MAP	OWNER INFORMATION	CONTACT INFORMATION	PARCEL INFORMATION	PROJECT INFORMATION	PLOT PLAN INFORMATION
	NAME: SEE TABLE AT C-100 ADDRESS: CITY: STATE: ZIP: PHONE: FAX: EMAIL:	NAME: Pat Brown ADDRESS: 16550 Via Esprillo CITY: San Diego STATE: CA ZIP: 92127 PHONE: (858) 746-9000 FAX: EMAIL: patrick.brown@soitec.com	APN: 6120300100,6120301900,6110910700,6110910300,6110900400, 6110600400,6110900200,6111000700,6111100100 SITE ADDRESS: North of I-8, east of Ribbonwood Road. on both sides of McCain Valley Road I CERTIFY THAT I HAVE READ ALL ZONING REGULATIONS AND BEST MANAGEMENT PRACTICES (BMPs) NOTES AND THAT I AM THE DESIGNER OF THE PROPOSED PROJECT: DESIGNER SIGNATURE REQUIRED DATE	**EXISTING:** Rolling, rugged land with two detached land sections made up of many parcels. All land is randomly populated by boulders. The site is minimally developed with unpaved roads. **PROPOSED:** Project located on approximately 506 acres and includes construction and operation of approximately 3291 Concentrated Photovoltaic (CPV) trackers with associated approximately 57 Inverters Skids and Transformers.	**CPV System Summary** Approx. Number of Trackers: 3291 No. of Inverter Skids: 57 Total Lease Area (Acres): 506 Estimated Disturbed Acreage: 490 Coverage Ratio Range: 0.3 - 13%

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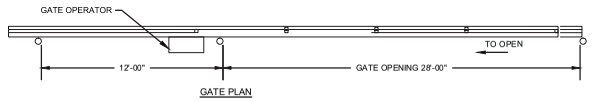
SHEET TITLE

O & M BUILDING

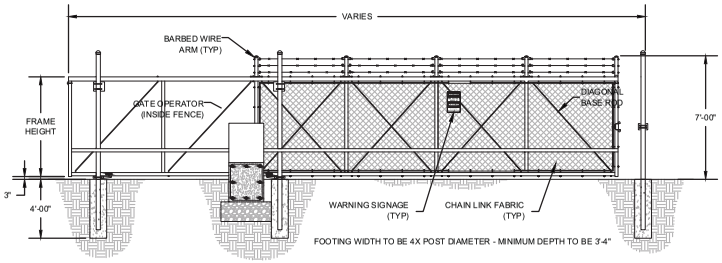
SHEET NUMBER	REV.
C-131	1

FILE NAME: P:\10 ENERGY WEST - CURRENTLY CONSISTING SOLAR - 60213853\460 TECHNICAL\461 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-131.DWG
SAVED: 8/1/2011 10:29:04 AM ACAD VER: 18.0S (LMS TECH) PLOTTED: 8/1/2011 10:29:14 AM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"

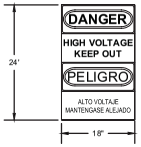


GATE PLAN



1 | DETAIL - GATE

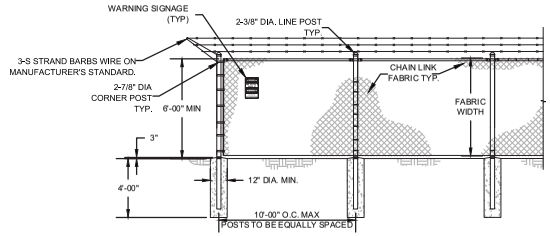
SINGLE MOTORIZED SLIDING GATE NTS



2 | WARNING SIGNAGE

Scale: NTS

* 4" DIAMETER POST FOR GATE LEAF LENGHT 35'-0" AND LESS

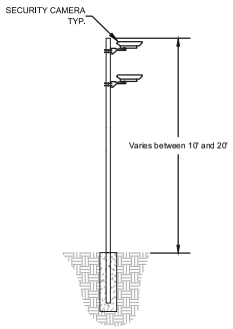


3 | DETAIL - CHAIN LINK FENCE

NTS

FENCE NOTES:

1. CHAIN LINK FABRIC SHALL BE 2" MESH NO.9 GAGE WERE SECURITY FASTED TO LINE POSTS AND RAILS.WIRE FASTENERS AND THE CLIPS SHALL BE NO.11 GAGE
2. WIRE.CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL.
3. CHAIN LINK FENCE TO BE FITTED WITH UV- RESISTANT MESH FABRIC, COLOR PER CUSTOMER REQUEST.
4. ELECTRICAL SAFETY SIGNAGE TO BE PLACED ALONG PERIMETER.



4 | DETAIL - SECURITY CAMERA POLE

NTS

VICINITY MAP



OWNER INFORMATION

NAME: SEE TABLE AT C-100
ADDRESS:
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CONTACT INFORMATION

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SHEET TITLE

FENCE/SECURITY CAMERA ELEVATION DETAIL

SHEET NUMBER	REV.
C-132	1

AECOM

DESIGNER

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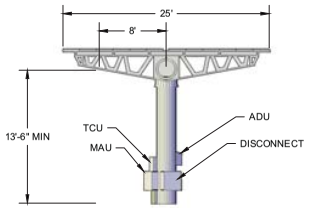
CLIENT

Soitec

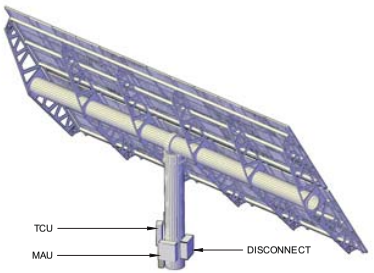
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SAVED BY: PATRICK.BROWN PLOTTED: 5/29/2013 8:57:04 AM

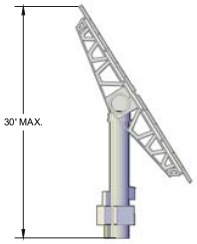
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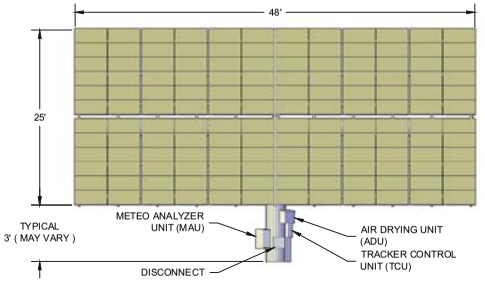
1 STOW MODE VIEW
Scale: NTS



2 ISOMETRIC VIEW
Scale: NTS



3 SIDE VIEW
Scale: NTS



4 FRONT VIEW
Scale: NTS

AECOM

DESIGNER

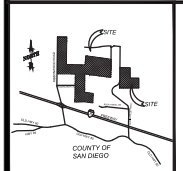
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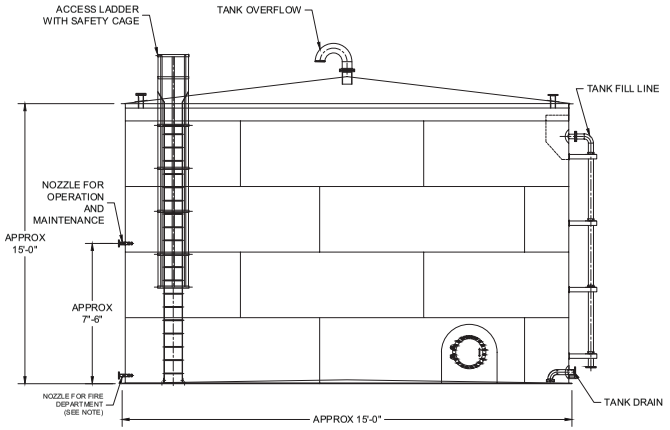
SHEET TITLE

TRACKER ELEVATION DETAIL

SHEET NUMBER	REV.
C-133	1

FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60212653\460 TECHNICAL\461 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-133 CPV TRACKER.DWG
SAVED BY: PATRICK.BROWN PLOT DATE: 10/29/2010 PLOT TIME: 4:12 PM

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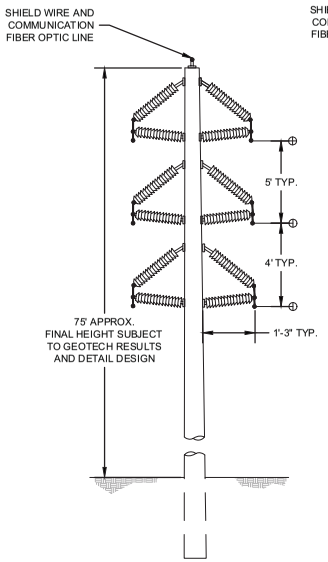


NOTE:

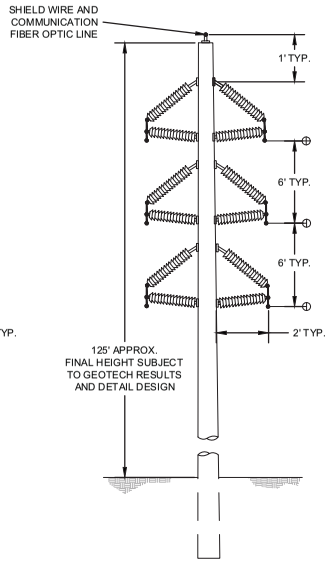
IN ACCORDANCE WITH SECTION 507.2.2 IN TITLE 9, DIVISION 6, CHAPTER 1 OF THE SAN DIEGO COUNTY CODE:

1. THE SUPPLY OUTLET SHALL BE AT EAST 4 INCHES IN DIAMETER FROM THE BASE OF THE TANK TO THE POINT OF OUTLET AT THE FIRE DEPARTMENT CONNECTION. THE FIRE DEPARTMENT CONNECTION SHALL BE AT LEAST ONE 4-INCH NATIONAL STANDARD THREAD (MALE), REDUCE TO ONE 2½ INCH NATIONAL STANDARD THREAD (MALE). ADDITIONAL OUTLETS MAY BE REQUIRED.
2. THE LOCATION OF THE FIRE DEPARTMENT OUTLET TO BE DETERMINED ON THE PLOT PLAN WHEN SUBMITTED TO THE FIRE DEPARTMENT. CONSIDERATION WILL BE GIVEN TO TOPOGRAPHY, ELEVATIONS, AND DISTANCE FROM STRUCTURES, DRIVEWAY ACCESS, PREVAILING WINDS, ETC.
3. THE OUTLET SHALL BE LOCATED ADJACENT TO THE FIRE ACCESS ROAD.

WATER TANK



34.5 KV OVERHEAD,
DUAL CIRCUIT



34.5 KV / 69 KV OVERHEAD

AECOM

DESIGNER

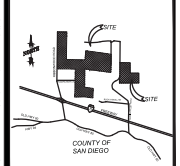
AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CLIENT

Soitec

Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

VICINITY MAP



OWNER INFORMATION

NAME: SEE TABLE AT C-100
ADDRESS:
CITY:
STATE:
ZIP:
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

NAME: Pat Brown
ADDRESS: 16550 Via Esprillo
CITY: San Diego
STATE: CA
ZIP: 92127
PHONE: (858) 746-9000
FAX:
EMAIL: patrick.brown@soitec.com

PARCEL INFORMATION

APN: 612030010 0,612030190 0,611091070 0,611091030 0,611090040 0, 611060040 0,611090020 0,611110070 0,611110010 0

SITE ADDRESS:
North of I-8, east of Ribbonwood Road.
on both sides of McCain Valley Road

I CERTIFY THAT I HAVE READ ALL ZONING REGULATIONS AND BEST MANAGEMENT PRACTICES (BMPs) NOTES AND THAT I AM THE DESIGNER OF THE PROPOSED PROJECT:

DESIGNER SIGNATURE REQUIRED DATE

PROJECT INFORMATION

EXISTING:
Rolling, rugged land with two detached land sections made up of many parcels. All land is randomly populated by boulders. The site is minimally developed with unpaved roads.

PROPOSED:
Project located on approximately 506 acres and includes construction and operation of approximately 3291 Concentrated Photovoltaic (CPV) trackers with associated approximately 57 Inverters Skids and Transformers.

PLOT PLAN INFORMATION

CPV System Summary

Approx. Number of Trackers:	3291
No. of Inverter Skids:	57
Total Lease Area (Acres):	506
Estimated Disturbed Acreage:	490
Coverage Ratio Range:	0.3 - 13%

SHEET TITLE

WATER TANK & 34.5kV / 69kV OVERHEAD ELEVATION DETAIL

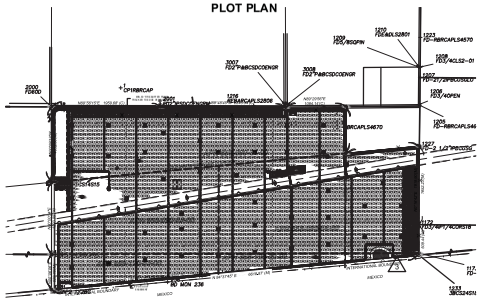
SHEET NUMBER	REV.
C-134	1

FILE NAME: P:\10 ENERGY WEST - CURRENT\1 - CONSULTING SOLAR - 60213853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\RUGGED SOLAR\C-134.DWG
SAVED BY: PATRICK.BROWN PLOT DATE: 07/29/14

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"

TIERRA DEL SOL LLC
SOLAR SYSTEM

TIERRA DEL SOL SOLAR PROJECT
PLOT PLAN



GENERAL NOTES:

1. Each tracker assembly is approximately 48 FT wide with a maximum constructed height of 30 FT and spaced approximately 69 FT North to South; 82 FT East to West.
2. Entrance to each gate will be from an improved driveway that shall be designed in accordance with the attached details on C-103 and equipped with an emergency key-operated override switch.
3. At no point does the change of grade, along the primary access road exceed 10%.
4. Detailed cross sections of the roads are provided on the preliminary grading plan.
5. All compaction requirements are listed on the preliminary grading plan.
6. Turnaround shall be designed in accordance with County of San Diego Design Standard DS-06 for a county emergency fire apparatus.
7. The project site is not located in a designated flood plain, therefore lines of inundation are not shown.
8. Temporary and Permanent BMPs are shown on the preliminary grading plan.
9. All coordinates shown are state plane coordinates based on CCS83, Zone 6 (2007.00 Epoch).
10. All dimensions are shown in Decimal Feet.
11. Solar related facilities (panels, electrical connections, transformer / inverter platform, emergency generator, fencing, internal access and switchgear platform, etc.) shown on the plot plan maybe relocated, reconfigured, and / or resized within the solar facility development area (exclusive of any open space areas & undeveloped (future development areas)) with the administrative approval of the director of PDS when found in conformance with the intent and conditions of permit's approval. Transformer / Inverter / Generator size, locations, brand, electrical size can be relocated, replaced or reconfigured without requirement of minor deviation.
12. Areas designated as "SPECIAL FUEL MODIFICATION ZONES" are to be cleared of existing vegetation, then covered with landscaping fabric and weighted down using a surfacing material of crushed stone.
13. Along the length of the perimeter fencing, every 750 feet a pedestrian gate will be located that is 3 feet wide and padlocked with a chain and fire key.
14. Roads moved per fire department.
15. Surveillance cameras will be installed and determined location will be on building plans.

ABBREVIATIONS:

AC	Alternating Current
ADT	Average Daily Trips
BB	Building Block
BMP	Best Management Practice
CCS	California Coordinate System
CEQA	California Environmental Quality Act
CPV	Concentrating Photovoltaic
CFA	County Fire Authority
DEH	Department of Environmental Health
PDS	County of San Diego, Planning and Development Services
EIR	Environmental Impact Report
EOP	Edge of Pavement
FT	Feet
IOD	Irrevocable Offer of Dedication
kV	kilovolt
kW	kilowatts
MAX	Maximum
MOU	Memorandum of Understanding
MPA	Major Use Permit Application
MUP	Major Use Permit
MW	Megawatts
NTS	Not to Scale
PL	Property Lines
QTY	Quantity
RL	Rural Land
ROW	Right of Way
RPO	Resource Protection Ordinance

SHEET INDEX

C-100 LEGEND, SYMBOLS, ABBREVIATIONS & NOTES
C-101 PLOT PLAN
C-102 EASEMENT PLAN
C-103 ROAD DETAILS
C-104 ROAD DETAILS

C-130 1.36 / 2.0 MW INVERTER BOX DESIGN
C-131 O&M BUILDING
C-132 FENCE ELEVATION DETAIL
C-133 TRACKER ELEVATION DETAIL
C-134 WATER TANK ELEVATION DETAIL
C-135 LANDSCAPE SCREEN ELEVATION DETAIL

C-401 GEN-TIE PLOT PLAN NORTH SIDE
C-402 GEN-TIE PLOT PLAN SOUTH SIDE

C-405 GEN-TIE POLE & TRENCH DETAIL

RESERVED FOR COUNTY STAMPS

PARCEL ZONING SETBACK SCHEDULE

APN	SETBACK SCHEDULE DESIGNATION
658-090-31	D
658-090-55	D
658-120-03	D
658-080-54	D
658-120-02	D

* THIS PLAN IS EXEMPT FROM THE SETBACK SCHEDULE PURSUANT TO ZONING ORDINANCE 4813

COVERAGE TABLE

UNIT	# UNITS	ACRES / UNIT
TRACKER	2499	0.026
INVERTER	45	0.005
O&M	1	0.172
SUBSTATION	1	0.126
	TOTAL ACRES =	65

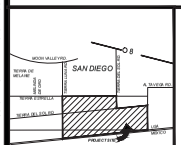
DESIGNER

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CLIENT

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16550 Via Esprillo
San Diego, CA 92127

VICINITY MAP



OWNER INFORMATION

NAME: Brown Family Trust, Brown & Reynolds Trust
ADDRESS: 1116 W. 7th Sreet PMB 158
CITY: Columbia
STATE: TN
ZIP: 38401
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

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PHONE: (858) 746-9000
FAX:
EMAIL: patrick.brown@soitec.com

PARCEL INFORMATION

APN: 6580903100, 6580905500, 6581200300, 6581200200, 6580905400
SITE ADDRESS:
796 Tierra del Sol Road,
Boulevard, CA 91905

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DESIGNER SIGNATURE REQUIRED DATE

PROJECT INFORMATION

EXISTING:
Relatively level land on the southern and central portions of the site with rolling rock and boulder covered hills on the northwestern portion. The site is minimally developed with unpaved roads.

PROPOSED:
Project constructed in two phases, located on approximately 391 acres and includes the construction and operation of approximately 2499 Concentrated Photovoltaic (CPV) trackers with approximately 45 associated Inverter Skids and Transformer.

PLOT PLAN INFORMATION

CPV System Summary

Approx. Number of Trackers:	2499
No. of Inverter Skids:	45
Total Lot Size (Acres):	Approx. 420
Estimated Disturbed Acreage:	391
Coverage Ratio Range:	0.4 - 16.7%

SHEET TITLE

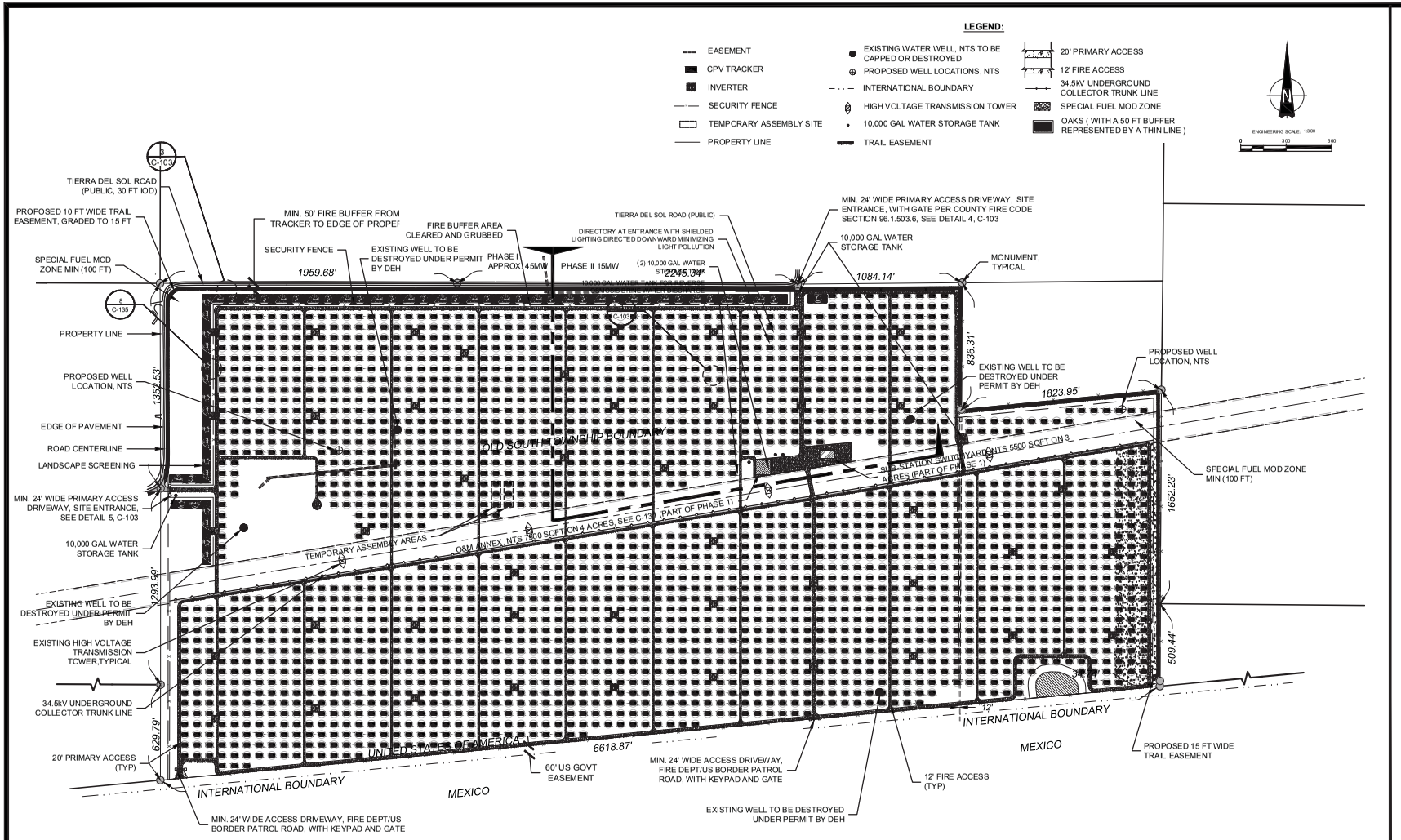
LEGEND, SYMBOLS ABBREVIATIONS & NOTES

SHEET NUMBER	REV.
C-100	1

SDC PDS RCVD 12-15-14
3300-12-010

FILE NAME: P:\9 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60213853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CAD\7 FILES\ACAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-100 TDS PLOT PLAN & EASEMENT PLAN.DWG
PLOTTED: 12/15/2014 11:57 AM BY: PATRICK BROWN

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



AECOM

DESIGNER

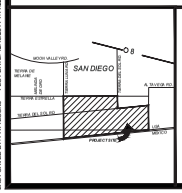
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San Diego, CA 92127

VICINITY MAP



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DESIGNER SIGNATURE REQUIRED DATE

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PLOT PLAN INFORMATION

CPV System Summary

Approx. Number of Trackers:	2499
No. of Inverter Skids:	45
Total Lot Size (Acres):	Approx. 420
Estimated Disturbed Acreage:	391
Coverage Ratio Range:	0.4 - 16.7%

SHEET TITLE

PLOT PLAN

SHEET NUMBER	REV.
C-101	1

FILE NAME: P:\0 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60213853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-101 TDS PLOT PLAN & EASEMENT PLAN.DWG
LAST SAVED BY: PATRICK.BROWN ON: 2/28/2014 1:47:54 PM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"

FILE NAME: P:\19 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60218834\60 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-102 TDS PLOT PLAN & EASEMENT PLAN.DWG
SAVED: 8/1/2012 2:54 PM BY: PATRICK.BROWN
PLOTTED: 8/1/2012 2:54 PM BY: PATRICK.BROWN

EXCEPTIONS AND EXCLUSIONS

15 AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED FEBRUARY 28, 1979 AS INSTRUMENT NO. 79-085974 OF OFFICIAL RECORDS.

16 AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED FEBRUARY 28, 1979 AS INSTRUMENT NO. 79-085975 OF OFFICIAL RECORDS.

17 AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED MAY 6, 1980 AS INSTRUMENT NO. 80-151392 OF OFFICIAL RECORDS.

18 AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED JANUARY 21, 1982 AS INSTRUMENT NO. 82-017128 OF OFFICIAL RECORDS.

19 AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED JUNE 18, 1982 AS INSTRUMENT NO. 82-187732 OF OFFICIAL RECORDS.

EASEMENT LEGEND

AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED MAY 6, 1980 AS INSTRUMENT NO. 80-151391 OF OFFICIAL RECORDS.

AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED NOVEMBER 16, 1983 AS INSTRUMENT NO. 83-416580 OF OFFICIAL RECORDS.

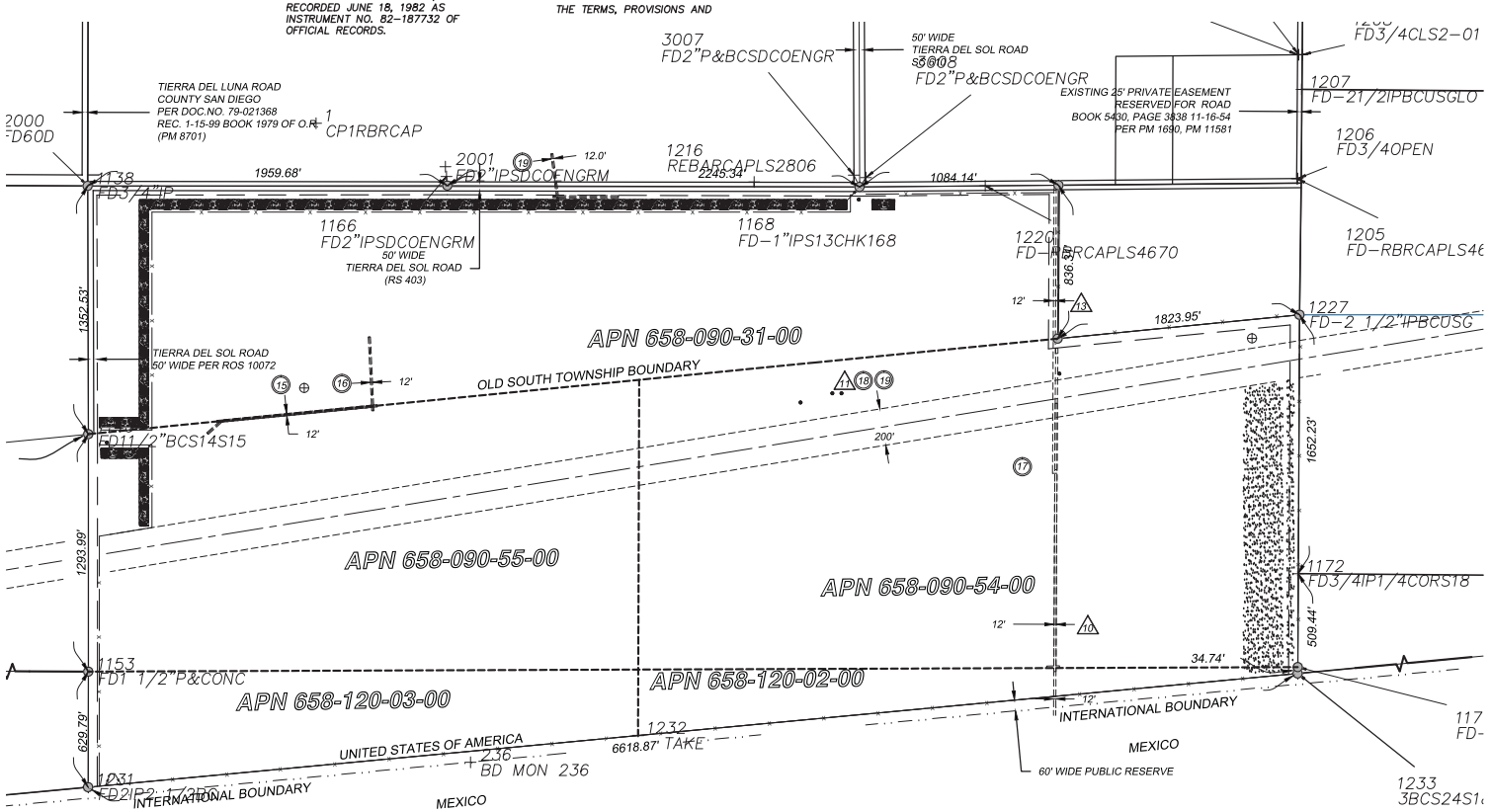
THE TERMS, PROVISIONS AND

EASEMENT(S) CONTAINED IN THE DOCUMENT ENTITLED "EASEMENT GENERAL" RECORDED FEBRUARY 1, 1995 AS INSTRUMENT NO. 1995-0044962 OF OFFICIAL RECORDS.

EXCEPTIONS AND EXCLUSIONS ARE THE SAME AS THAT SHOWN ON COMMITMENT NO. NCS-474346-SD SEPTEMBER 09, 2011.

15 EXCEPTIONS AND EXCLUSIONS ARE THE SAME AS THAT SHOWN ON COMMITMENT NCS-505191-SD DATED SEPTEMBER 15, 2011.

LEGEND:
- EASEMENT
- PROPERTY LINE
- SECURITY FENCE
- EXISTING WATER WELLS, NTS TO BE CAPPED OR DESTROYED
- PROPOSED WELL LOCATIONS, NTS
- INTERNATIONAL BOUNDARY

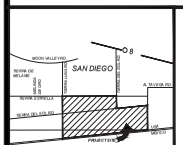


ENGINEERING SCALE: 1:300
0 300 600

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DESIGNER
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VICINITY MAP



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PARCEL INFORMATION

APN: 6580903100, 6580905500, 6581200300, 6581200200, 6580905400
SITE ADDRESS:
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EXISTING:
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Project constructed in two phases, located on approximately 391 acres and includes the construction and operation of approximately 2499 Concentrated Photovoltaic (CPV) trackers with approximately 45 associated Inverter Skids and Transformer.

PLOT PLAN INFORMATION

CPV System Summary

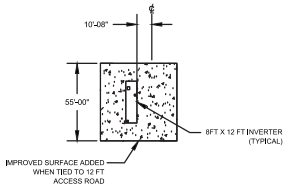
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SHEET TITLE

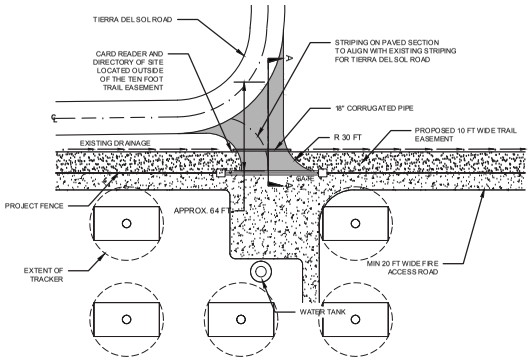
EASEMENT PLAN

SHEET NUMBER	REV.
C-102	1

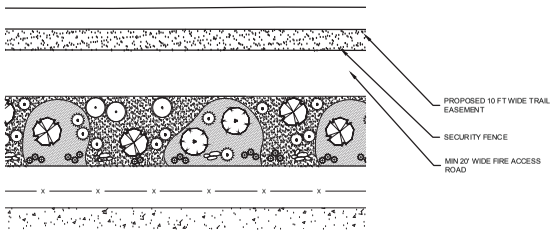
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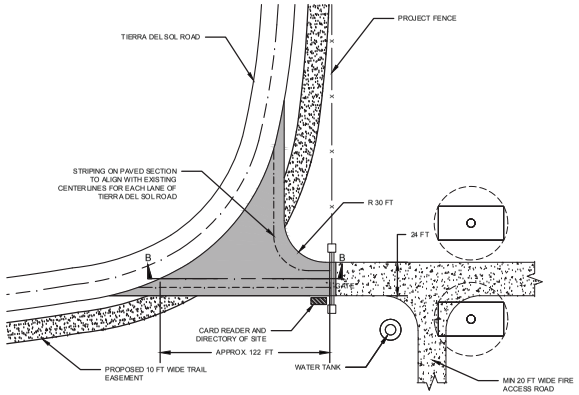
1 | DETAIL - INVERTER PAD
SEE DETAIL 1 ON C-204 FOR MATERIAL COMPACTION NTS



4 | DETAIL DRIVEWAY ENTRANCE
NO EXISTING CURB ON TIERRA DEL SOL ROAD. STORM WATER TO SHEET FLOW TO EXISTING DRAINAGE FEATURES. DRIVEWAY WILL BE CONSTRUCTED PER DS-7 STANDARD. NTS



3 | DETAIL - ROAL LAYOUT
NTS

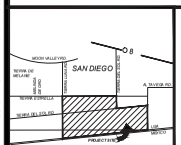


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DESIGNER SIGNATURE REQUIRED DATE

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PLOT PLAN INFORMATION
CPV System Summary

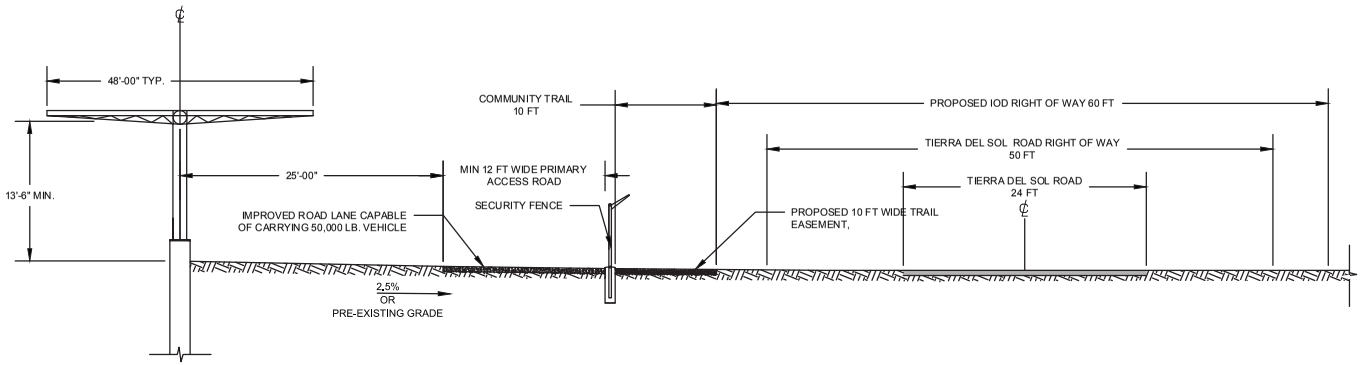
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Coverage Ratio Range:	0.4 - 16.7%

SHEET TITLE
ROAD DETAILS

SHEET NUMBER	REV.
C-103	1

FILE NAME: P:\0 ENERGY WEST - CURRENT\LI - CONCENTRIX SOLAR - 60213853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\CAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-103 TDS PLOT PLAN & EASEMENT PLAN.DWG
PLOTTED: 7/31/2014 4:57 PM BY: PATRICK.BROWN

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



6 TYPICAL CROSS SECTION

NTS

DESIGNER

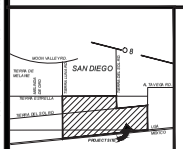
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Coverage Ratio Range:	0.4 - 16.7%

SHEET TITLE

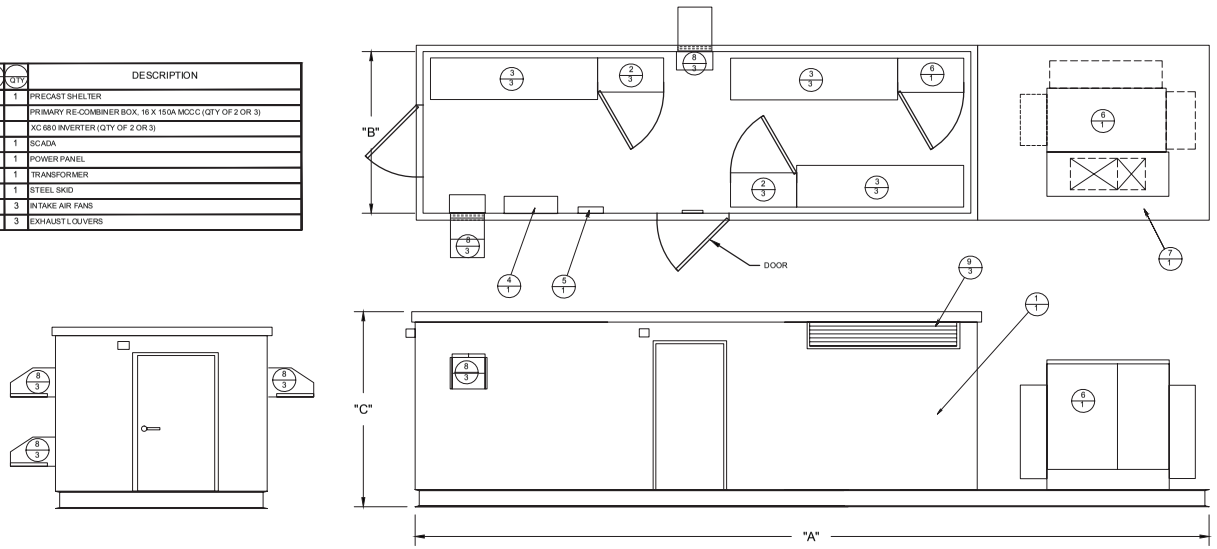
ROAD DETAILS

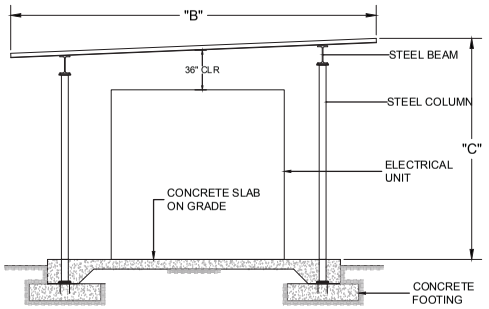
SHEET NUMBER	REV.
C-104	0

FILE NAME: P:\0 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60213853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-100 TDS PLOT PLAN & EASEMENT PLAN.DWG
SAVED: 8/27/2012 4:56 PM BY: PATRICK.BROWN
PLOTTED: 8/27/2012 4:56 PM BY: PATRICK.BROWN

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"

REV	ITEM	QTY	DESCRIPTION
	1	1	PRECAST SHELTER
	2		PRIMARY RE-COMBINER BOX, 16 X 150A MCCC (QTY OF 2 OR 3)
	3		XC 680 INVERTER (QTY OF 2 OR 3)
	4	1	SCADA
	5	1	POWER PANEL
	6	1	TRANSFORMER
	7	1	STEEL SKID
	8	3	INTAKE AIR FANS
	9	3	EXHAUST LOUVERS





INVERTER DIMENSION			
INVERTER RATING (MW)	DIMENSION (FT)		
	"A"	"B"	"C"
1.36	25	10	12
2.00	40	10	12

- | OPEN INVERTER ON SKID WITH SUN SHADE
Scale: NA

AECOM

DESIGNER

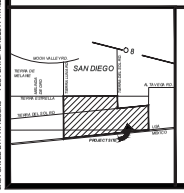
AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CLIENT

Soitec

Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

VICINITY MAP



OWNER INFORMATION

NAME: Brown Family Trust, Brown & Reynolds Trust
ADDRESS: 1116 W. 7th Sreet PMB 158
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ZIP: 38401
PHONE:
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FAX:
EMAIL: patrick.brown@soitec.com

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SITE ADDRESS:
796 Tierra del Sol Road,
Boulevard, CA 91905

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Total Lot Size (Acres):	Approx. 420
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Coverage Ratio Range:	0.4 - 16.7%

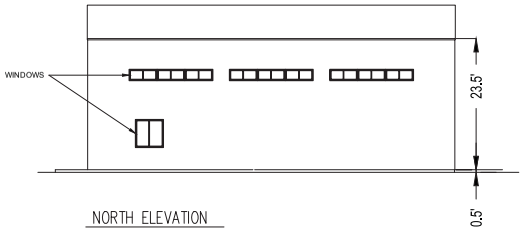
SHEET TITLE

1.36 / 2.0 MW INVERTER BOX DESIGN

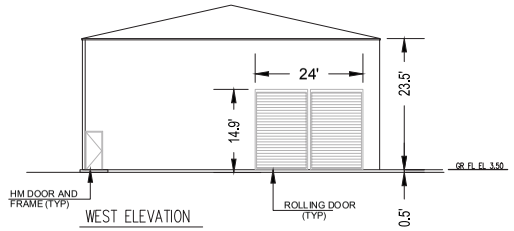
SHEET NUMBER	REV.
C-130	1

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SAVED BY: PATRICK.BROWN ON: 10/26/2011 4:34:57 PM

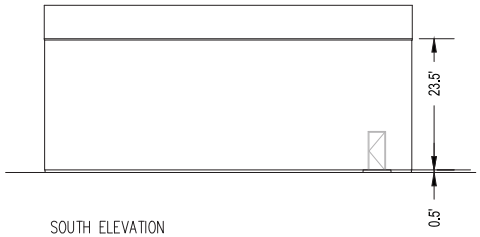
PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



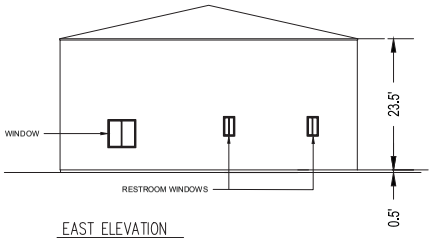
NORTH ELEVATION



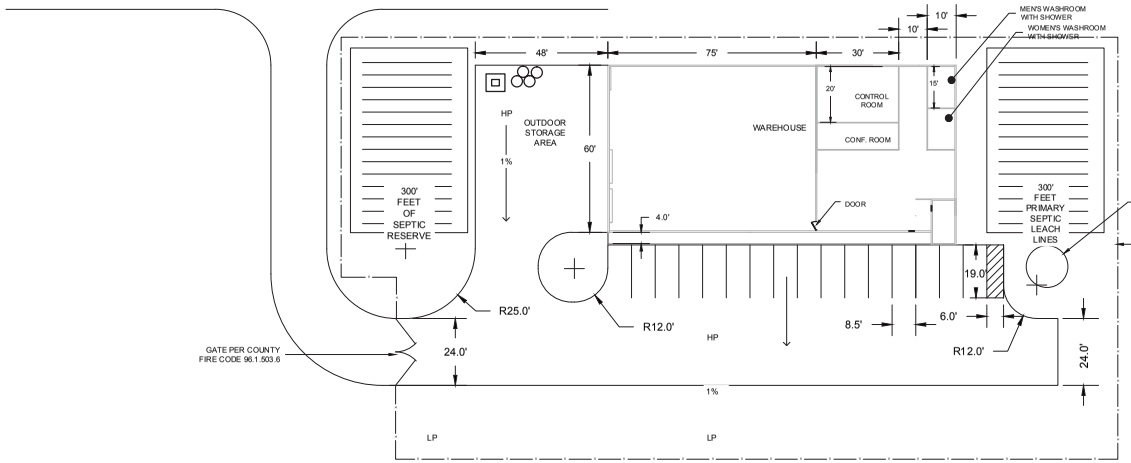
WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



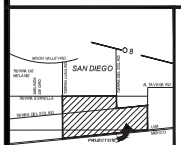


A PLAN VIEW
Scale: NA

NOTES

1. PARKING LOT WILL BE AN IMPROVED SURFACE OF 6" D/G ON EXISTING SOIL.
2. PRELIMINARY SEPTIC DESIGN IS FOR DISCRETIONARY REVIEW ONLY. FINAL SEPTIC LAYOUT DESIGN WILL BE PROVIDED WITH BUILDING PLANS.
3. NEAREST WELL IS 800 FT FROM SEPTIC SYSTEM.

VICINITY MAP



OWNER INFORMATION

NAME: Brown Family Trust, Brown & Reynolds Trust
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CITY: Columbia
STATE: TN
ZIP: 38401
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

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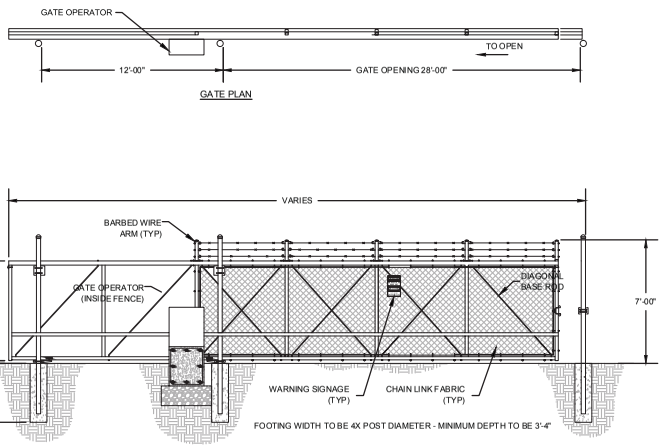
SHEET TITLE

O & M BUILDING

SHEET NUMBER	REV.
C-131	1

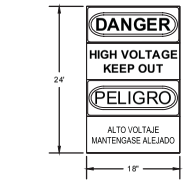
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SAVED BY: PATRICK.BROWN ON: 2/28/2014 11:57:06 AM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"

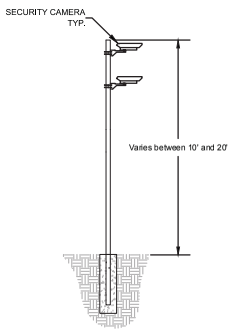


1 | DETAIL - GATE
SINGLE MOTORIZED SLIDING GATE NTS

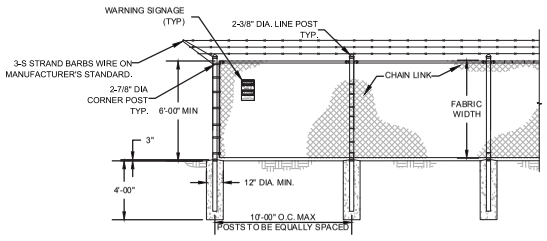
* 4" DIAMETER POST FOR GATE LEAF LENGHT 35'-0" AND LESS



2 | WARNING SIGNAGE
Scale: NTS



4 | DETAIL - SECURITY CAMERA POLE
NTS



3 | DETAIL - CHAIN LINK FENCE
NTS

FENCE NOTES:
1. CHAIN LINK SHALL BE 2" MESH NO.9 GAGE WERE SECURITY FASTED TO LINE POSTS AND RAILS.WIRE FASTENERS AND THE CLIPS SHALL BE NO.11 GAGE
2. WIRE.CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL.
3. CHAIN LINK FENCE TO BE FITTED WITH UV- RESISTANT MESH FABRIC, COLOR PER CUSTOMER REQUEST.
4. ELECTRICAL SAFETY SIGNAGE TO BE PLACED ALONG PERIMETER.

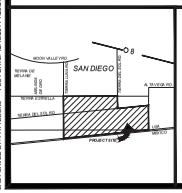
DESIGNER

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AECOM TECHINCAL SERVICES, INC
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858.947.7144 tel 858.947.7145 fax
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CLIENT

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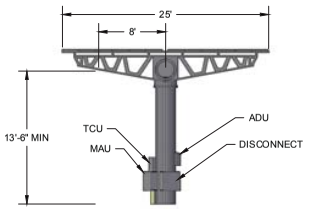
SHEET TITLE

FENCE ELEVATION DETAIL

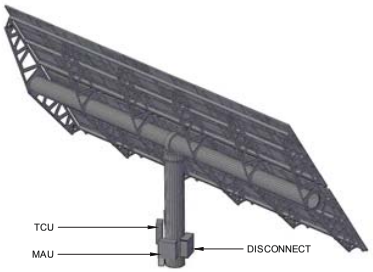
SHEET NUMBER	REV.
C-132	1

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SAVED BY: PATRICK.BROWN ON: 2/28/2014 4:47 PM

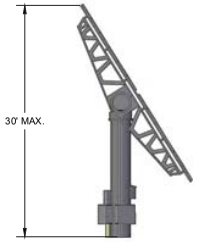
PRELIMINARY NOT FOR CONSTRUCTION
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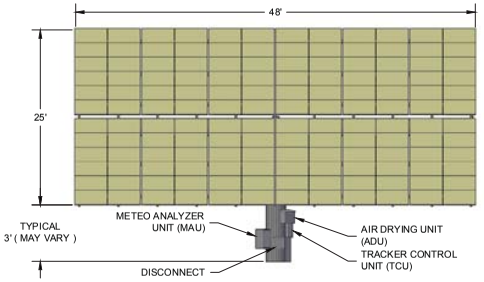
1 | STOW MODE VIEW
Scale: NA



2 | ISOMETRIC VIEW
Scale: NA



3 | SIDE VIEW
Scale: NA



4 | FRONT VIEW
Scale: NA

AECOM

DESIGNER

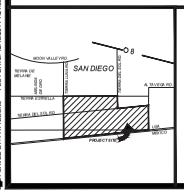
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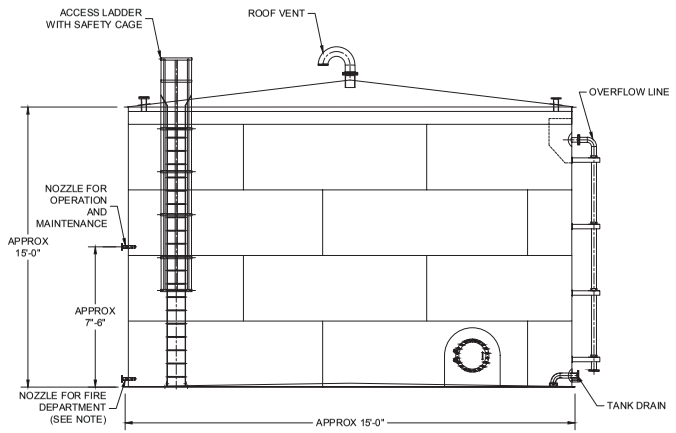
SHEET TITLE

TRACKER ELEVATION DETAIL

SHEET NUMBER	REV.
C-133	1

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PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



NOTE:

IN ACCORDANCE WITH SECTION 507.2.2 IN TITLE 9, DIVISION 6, CHAPTER 1 OF THE SAN DIEGO COUNTY CODE:

1. THE SUPPLY OUTLET SHALL BE AT EAST 4 INCHES IN DIAMETER FROM THE BASE OF THE TANK TO THE POINT OF OUTLET AT THE FIRE DEPARTMENT CONNECTION. THE FIRE DEPARTMENT CONNECTION SHALL BE AT LEAST ONE 4-INCH NATIONAL STANDARD THREAD (MALE), REDUCE TO ONE 2½ INCH NATIONAL STANDARD THREAD (MALE). ADDITIONAL OUTLETS MAY BE REQUIRED.
2. THE LOCATION OF THE FIRE DEPARTMENT OUTLET TO BE DETERMINED ON THE PLOT PLAN WHEN SUBMITTED TO THE FIRE DEPARTMENT. CONSIDERATION WILL BE GIVEN TO TOPOGRAPHY, ELEVATIONS, AND DISTANCE FROM STRUCTURES, DRIVEWAY ACCESS, PREVAILING WINDS, ETC.
3. THE OUTLET SHALL BE LOCATED ADJACENT TO THE FIRE ACCESS ROAD.

1 | DETAIL - WATER TANK
Scale: NTS

DESIGNER

AECOM

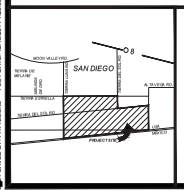
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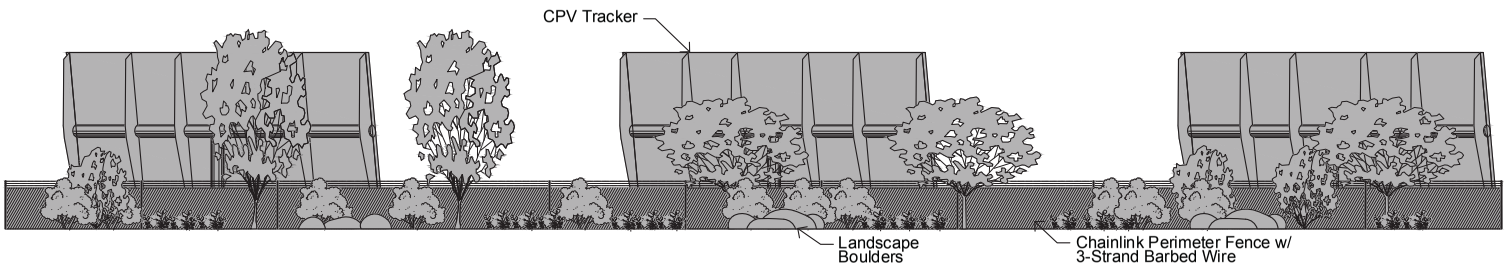
SHEET TITLE

WATER TANK

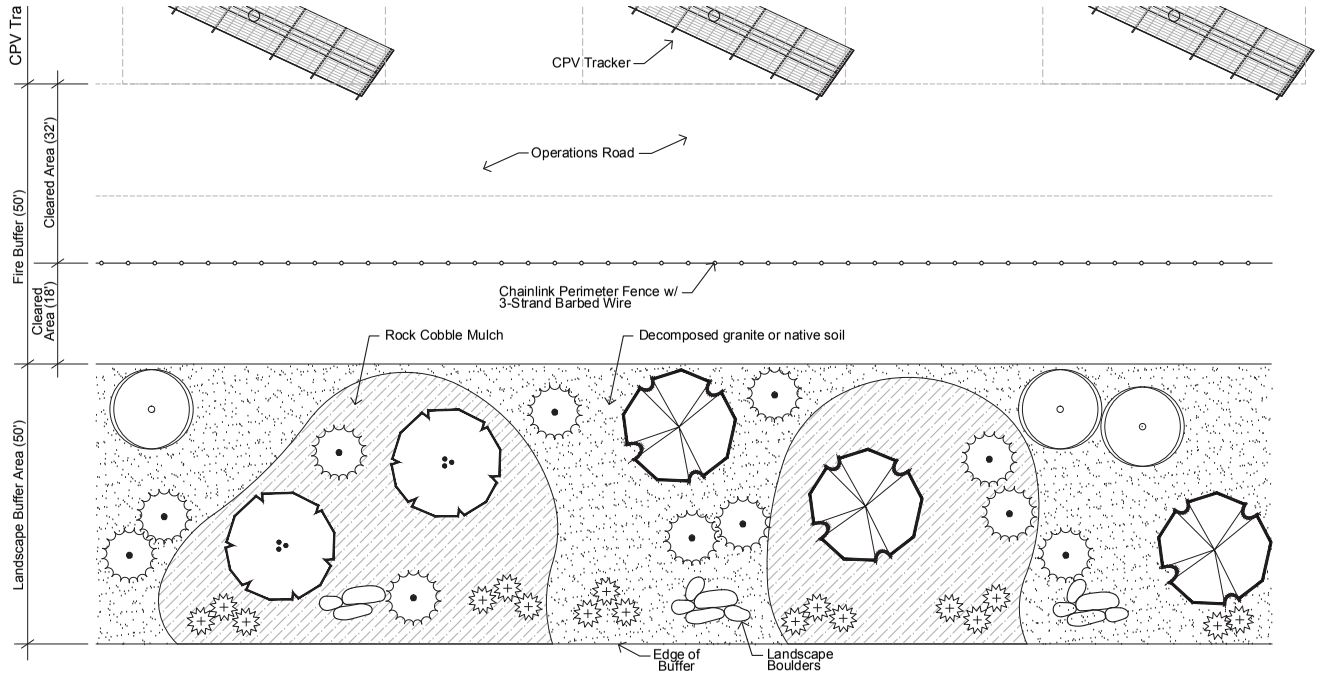
SHEET NUMBER	REV.
C-134	1

PLOTTED BY: ROBERT WEST - CORRENTLI - CONCENTRIX SOLAR - 6021883480 TECHNICAL461 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ACAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-134 WATER TANK.DWG
LAST SAVED: FRI 09 ENERGY WEST - CORRENTLI - CONCENTRIX SOLAR

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



7 | TYPICAL CROSS SECTION
NTS



8 | TYPICAL PLAN VIEW
NTS

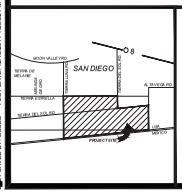
DESIGNER

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www.aecom.com

CLIENT

Soitec Solar Development, LLC
16550 Via Esprillo
San Diego, CA 92127

VICINITY MAP



OWNER INFORMATION

NAME: Brown Family Trust, Brown & Reynolds Trust
ADDRESS: 1116 W. 7th Sreet PMB 158
CITY: Columbia
STATE: TN
ZIP: 38401
PHONE:
FAX:
EMAIL:

CONTACT INFORMATION

NAME: Pat Brown
ADDRESS: 16550 Via Esprillo
CITY: San Diego
STATE: CA
ZIP: 92127
PHONE: (858) 746-9000
FAX:
EMAIL: patrick.brown@soitec.com

PARCEL INFORMATION

APN: 6580903100, 6580905500, 6581200300, 6581200200, 6580905400
SITE ADDRESS:
796 Tierra del Sol Road,
Boulevard, CA 91905

I CERTIFY THAT I HAVE READ ALL ZONING REGULATIONS AND BEST MANAGEMENT PRACTICES (BMPs) NOTES AND THAT I AM THE DESIGNER OF THE PROPOSED PROJECT:

DESIGNER SIGNATURE REQUIRED DATE

PROJECT INFORMATION

EXISTING:
Relatively level land on the southern and central portions of the site with rolling rock and boulder covered hills on the northwestern portion. The site is minimally developed with unpaved roads.

PROPOSED:
Project constructed in two phases, located on approximately 391 acres and includes the construction and operation of approximately 2499 Concentrated Photovoltaic (CPV) trackers with approximately 45 associated Inverter Skids and Transformer.

PLOT PLAN INFORMATION

CPV System Summary

Approx. Number of Trackers:	2499
No. of Inverter Skids:	45
Total Lot Size (Acres):	Approx. 420
Estimated Disturbed Acreage:	391
Coverage Ratio Range:	0.4 - 16.7%

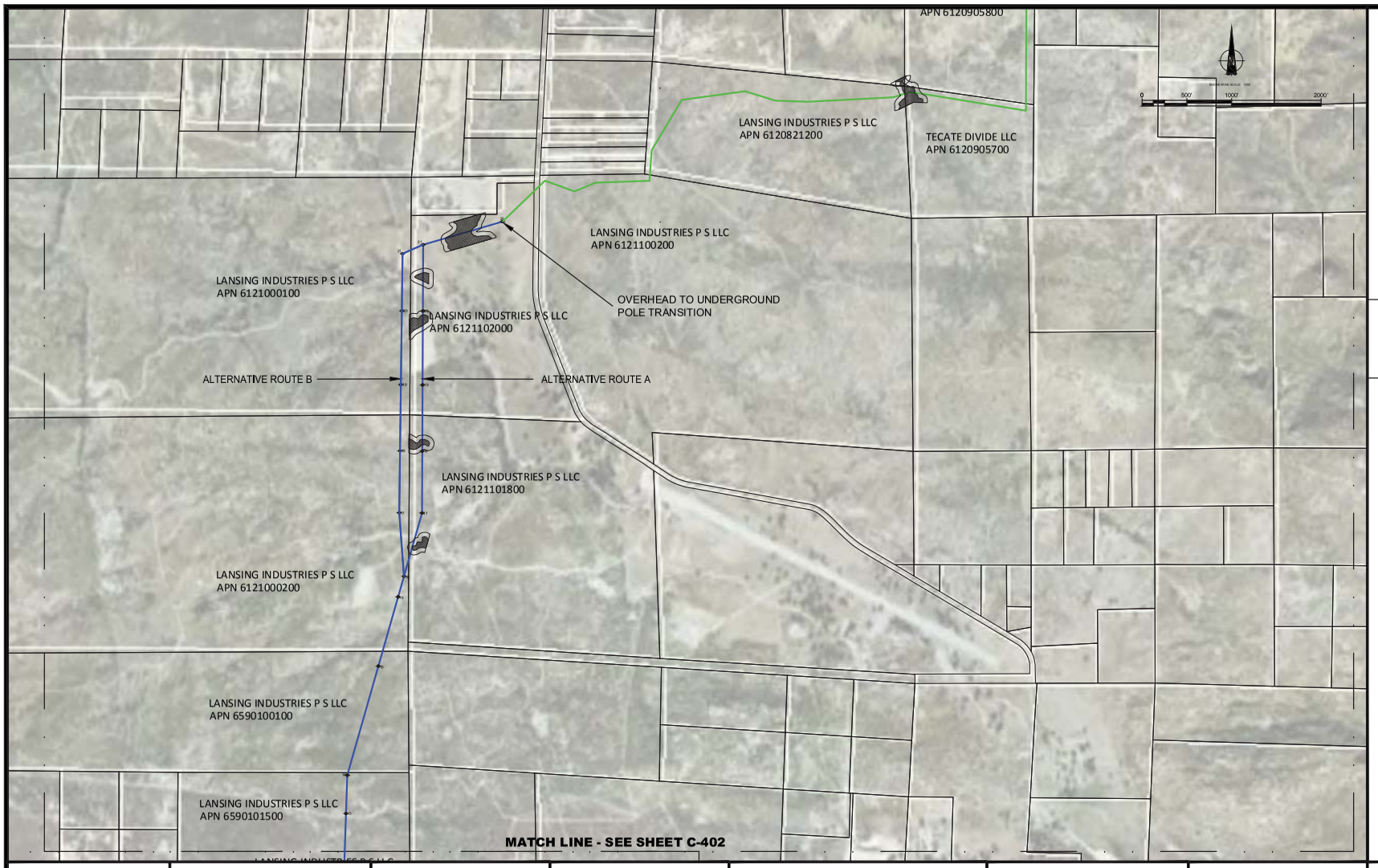
SHEET TITLE

LANDSCAPE SCREENING DETAILS

SHEET NUMBER	REV.
C-135	1

NAME: P:\SI ENERGY WEST, CURRENTLY - CONCENTRIX SOLAR - 60213853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-135.DWG
LAYOUT: C-135 | PLOTTED: 2/4/2014 - 2:34 PM

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



AECOM

DESIGNER

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CLIENT

Soitec

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LEGEND:

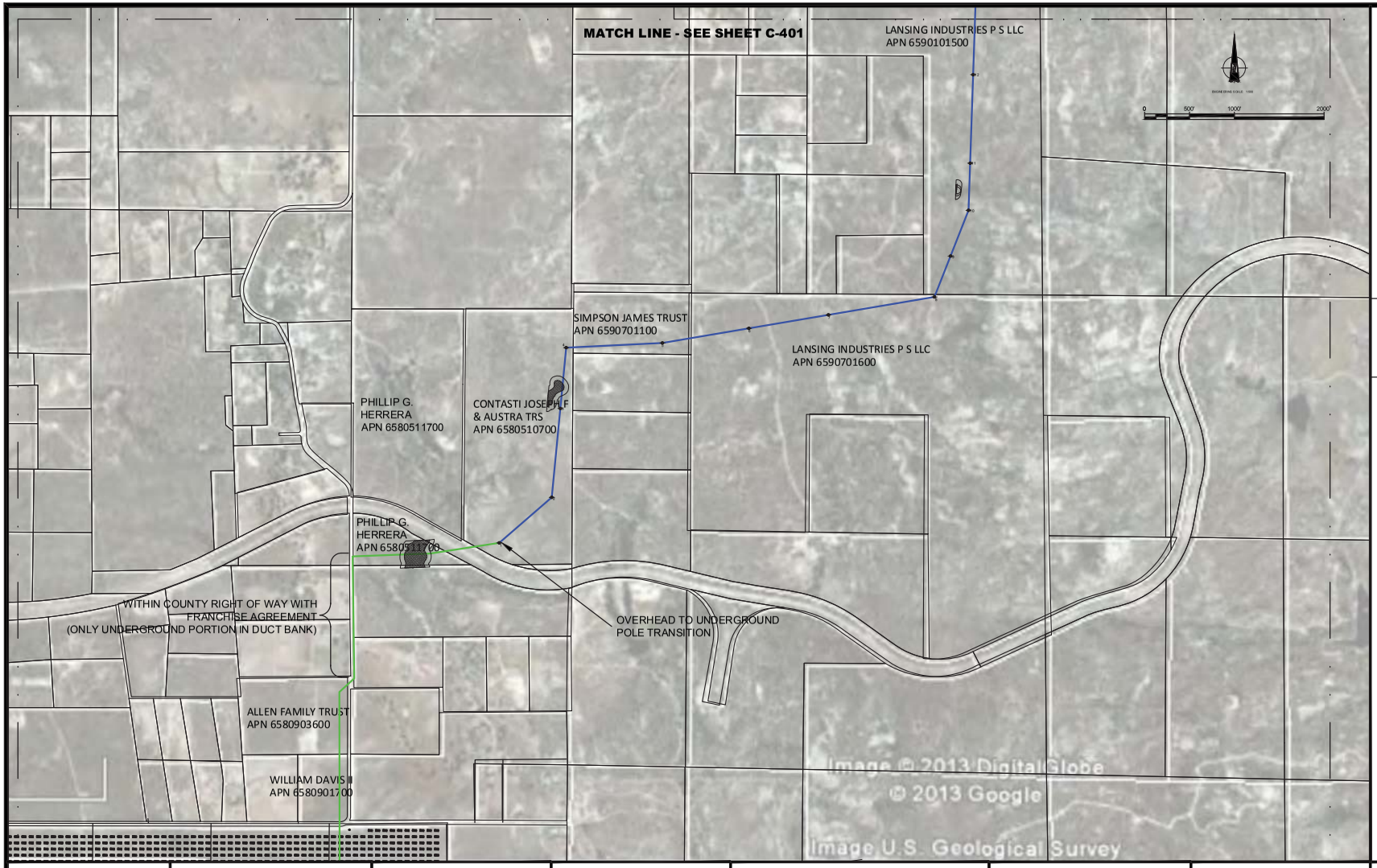
- GEN-TIE ABOVE GROUND
- GEN-TIE BELOW GROUND
- APPROXIMATE POLE LOCATIONS

VICINITY MAP	OWNER INFORMATION	CONTACT INFORMATION	PARCEL INFORMATION	PROJECT INFORMATION	PLOT PLAN INFORMATION
	NAME: Brown Family Trust, Brown & Reynolds Trust ADDRESS: 1116 W. 7th Sreet PMB 158 CITY: Columbia STATE: TN ZIP: 38401 PHONE: FAX: EMAIL:	NAME: Pat Brown ADDRESS: 16550 Via Esprillo CITY: San Diego STATE: CA ZIP: 92127 PHONE: (858) 746-9000 FAX: EMAIL: patrick.brown@soitec.com	APN: 6120921300, 6120905800, 6120905700, 6120821200, 6121100200, 6121102000, 6121101800, 6121000100, 6121000200, 6590100100, 6590101500, 6590101500, 6590701100, 6580510700, 6590701600, 6580511700, 6580903600, 6580901700 SITE ADDRESS: 796 Tierra del Sol Road, Boulevard, CA 91905 I CERTIFY THAT I HAVE READ ALL ZONING REGULATIONS AND BEST MANAGEMENT PRACTICES (BMPs) NOTES AND THAT I AM THE DESIGNER OF THE PROPOSED PROJECT: DESIGNER SIGNATURE REQUIRED DATE	**EXISTING:** Relatively level land on the southern and central portions of the site with rolling rock and boulder covered hills on the northwestern portion. The site is minimally developed with unpaved roads. **PROPOSED:** Project constructed in two phases, located on approximately 391 acres and includes the construction and operation of approximately 2499 Concentrated Photovoltaic (CPV) trackers with approximately 45 associated Inverter Skids and Transformer.	**CPV System Summary** Approx. Number of Trackers: 2499 No. of Inverter Skids: 45 Total Lot Size (Acres): Approx. 420 Estimated Disturbed Acreage: 391 Coverage Ratio Range: 0.4 - 16.7%

SHEET TITLE	
TDS Gen-Tie Plot Plans North Side	
SHEET NUMBER	**REV.**
C-401	1

NAME: P:\0 ENERGY WEST - CURRENT\1 - CONCENTRIX SOLAR - 60212853\400 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-401-C-402.DWG
LAYOUT: C-401 TDS GEN-TIE PLOT PLANS NORTH SIDE

PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



AECOM

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AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
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858.947.7144 tel 858.947.7145 fax
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LEGEND:

- GEN-TIE ABOVE GROUND
- GEN-TIE BELOW GROUND
- APPROXIMATE POLE LOCATIONS

VICINITY MAP



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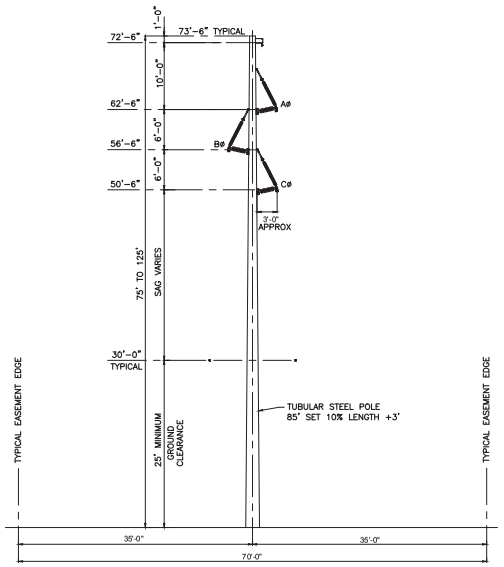
SHEET TITLE

TDS Gen-Tie Plot Plans
South Side

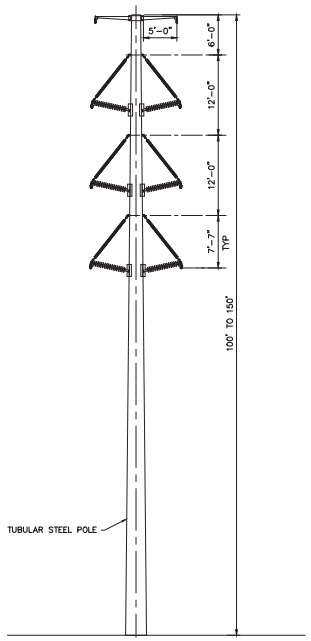
SHEET NUMBER	REV.
C-402	1

SAVED: 8/16/2013 10:39:00 AM BY: JCORBETT LAST EDITED BY: JCORBETT
NAME: 8/16 ENERGY WEST - CORBETT LI - CONCENTRIX SOLAR - 60212853456 TECHNICAL\401 PRELIMINARY ENGINEERING\7 PLANS - CADD FILES\ROAD SOLAR CPV LAYOUT\TIERRA DEL SOL\C-401-C-402.DWG

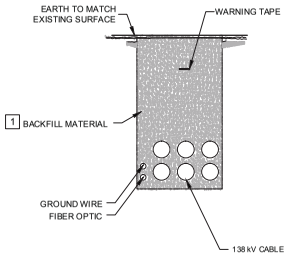
PRELIMINARY NOT FOR CONSTRUCTION
ARCH D 24" x 36"



1 | 138 KV STEEL POLE TANGENT CONCEPT - SINGLE CIRCUIT
Scale: NA



2 | 138 KV STEEL POLE - DUAL CIRCUIT
Scale: NA



3 | 138 kV TRENCH DETAIL - DUAL CIRCUIT
Scale: NA

KEYED NOTES:

1 NATIVE SOIL AT 90% COMPACTION

GENERAL NOTES:

1. FINAL HEIGHT AND POLE TYPE IS SUBJECT TO FINAL DESIGN.

DESIGNER
AECOM
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SHEET TITLE

POLE & TRENCH DETAIL

SHEET NUMBER	REV.
C-405	1

SAVED: 8/10/2010 9:42:52 AM BY: ROBERT.BOLAND
NAME: 8-10 ENERGY WEST CURRENTLY - CONCENTRIX SOLAR - 60212853/400 TECHNICAL/401 PRELIMINARY ENGINEERING/7 PLANS - CADD FILES/ACAD SOLAR CPV LAYOUT/TIERRA DEL SOL/C-405.DWG

PRELIMINARY GRADING AND DRAINAGE NOTES

GRADING NOTES

1. ALL GRADING SHALL CONFORM OF THE REQUIREMENTS OF THE GRADING ORDINANCE SECTIONS 87.101 THROUGH 87.804 OF THE SAN DIEGO COUNTY CODE OF REGULATORY ORDINANCES.
2. A REGISTERED CIVIL ENGINEER IS REQUIRED TO SUPERVISE INSTALLATION OF THE FILL KEYWAY AND ALL FILL BENCHING AND COMPACTION. A SOILS REPORT WITH COMPACTION TESTS IS REQUIRED FOR ALL FILL THAT IS OVER 12" IN DEPTH. DPLU FORM #73, MINOR GRADING CERTIFICATION, AND THREE (3) COPIES OF THE COMPACTION REPORT COMPLETED BY A SOILS ENGINEER SHALL BE SUBMITTED PRIOR TO ROUGH GRADE APPROVAL.
3. ALL FILL MATERIAL SHALL BE COMPACTED AS NOTED.
4. NATURAL DRAINAGE SHALL NOT BE DIVERTED OR CONCENTRATED ONTO ADJACENT PROPERTY.
5. MAINTAIN 1% (MINIMUM) SLOPE AWAY FROM ALL BUILDINGS FOR AT LEAST 5'.
6. ALL GRADING DETAILS SHALL BE IN CONFORMANCE WITH THE FOLLOWING SAN DIEGO COUNTY DESIGN STANDARDS OR REGIONAL STANDARD DRAWINGS:

   A. DS-8 LOT GRADING
   B. DS-10 GRADING OF SLOPES
   C. DS-11 REQUIRED SETBACKS
   D. D-40 RIP RAP ENERGY DISSIPATER
   F. D-82 DEBRIS FENCE
   G. DS-09 FENCING CUT BANKS

7. BERMS SHALL BE REQUIRED AT THE TOP OF ALL FILL SLOPES AND SWALES OR BROW DITCHES SHALL BE REQUIRED AT THE TOP OF ALL CUT SLOPES. ALL BERMS, SWALES, OR BROW DITCHES SHALL CONFORM TO THE DESIGN STANDARDS OR REGIONAL STANDARD DRAWINGS LISTED ABOVE.
8. REGARDLESS OF WHICH BMP'S ARE IMPLEMENTED THE FACE OF ALL CUT AND FILL SLOPES IN EXCESS OF 3' VERTICAL HEIGHT SHALL BE PLANTED AND MAINTAINED WITH A GROUND COVER OR OTHER PLANTING TO PROTECT THE SLOPES AGAINST EROSION AND INSTABILITY. PLANTING SHALL COMMENCE AS SOON AS SLOPES ARE COMPLETED. ALL PLANTING MUST HAVE A PERMANENTLY INSTALLED IRRIGATION SYSTEM.
9. REQUIRED SLOPE RATIOS ARE AS FOLLOWS:

   A. CUTS - 1.5:1 FOR MINOR SLOPES (UP TO 15' VERTICAL HEIGHT)
   B. CUTS - 2:1 FOR MAJOR SLOPES (OVER 15' VERTICAL HEIGHT)
   C. FILLS - 2:1 (MAXIMUM) FOR ALL FILL SLOPES

10. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE OWNER AND PERMITEE ARE RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTIES. NO PERSON SHALL EXCAVATE SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET OR SIDEWALK, OR THE FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM OR ANY OTHER PUBLIC OR PRIVATE PROPERTY.
11. THE DIRECTOR OF PLANNING AND LAND USE MAY IMPOSE CONDITIONS THAT ARE REASONABLY NECESSARY TO PREVENT THE CREATION OF A NUISANCE OR HAZARD TO PERSONS OR TO PUBLIC OR PRIVATE PROPERTY. THE DIRECTOR MAY ALSO MODIFY OR ADD CONDITIONS TO ANY VALID GRADING PERMIT WHEN SUCH MODIFICATIONS OR ADDITIONS ARE REASONABLY NECESSARY TO PREVENT THE CREATION OF A NUISANCE OR HAZARD TO PERSONS OR TO PUBLIC OR PRIVATE PROPERTY. SUCH CONDITIONS MAY INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

    A. IMPROVEMENT OF EXISTING GRADING TO CONFORM WITH THE GRADING ORDINANCE, AND;
    B. REQUIREMENTS FOR FENCING OF EXCAVATIONS OR FILLS THAT WOULD OTHERWISE BE HAZARDOUS, AND;
    C. ADEQUATE DUST CONTROL MEASURES.

12. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT OR ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00AM AND 6:00PM MONDAY THROUGH SATURDAY. NO EARTH MOVING OR GRADING SHALL BE CONDUCTED ON SUNDAYS OR HOLIDAYS.
13. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITES BEFORE COMMENCING WORK. NOTICE OF THE PROPOSED WORK SHALL BE PROVIDED TO THE FOLLOWING AGENCIES:

    A. SAN DIEGO GAS AND ELECTRIC (800) 422-4133
    B. PACIFIC BELL (800) 422-4 133
    C. CATV (800) 422-4133
    D. WATER UTILITY (800) 422-4133
    E. SEWER UTILITY (800) 4 22-4 133

14. APPROVAL OF THESE PLANS BY THE DIRECTOR OF PLANNING AND LAND USE DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNERS' PERMISSION IS OBTAINED, RIGHT TO ENTRY FORM COMPLETED AND VALID GRADING PERMIT ISSUED.
15. THE ISSUANCE OF A GRADING PERMIT SHALL CONSTITUTE AN AUTHORIZATION TO PERFORM ONLY THAT WORK WHICH IS DESCRIBED OR SHOWN ON THE GRADING PERMIT APPLICATION AND APPROVED GRADING PLANS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ANY CONDITIONS IMPOSED BY THE DIRECTOR OF PLANNING AND LAND USE AND IN ACCORDANCE WITH THE GRADING ORDINANCE.
16. ROADS ARE CLASSIFIED ON THE DRAWING AS THE FOLLOWING:

    A. PRIMARY ACCESS ROAD – 20FT WIDE GRADED ROAD IMPROVED TO CARRYING A 50,000LBS VEHICLE.
    B. SECONDARY ACCESS ROAD – 30FT WIDE GRADED ROAD WITH AN 18FT LANE CAPABLE OF CARRYING A 15,000LBS VEHICLE AND A 12FT LANE CAPABLE TO CARRYING A 50,000LBS VEHICLE.

17. THE GRADING FOR THE SITE SHALL INCLUDE THE CLEARING AND GRUBBING FOR A 19,698,600 SQ.FT. AREA.
18. THE BASIS OF EXISTING CONTOURS WAS PROVIDED IN A DIGITAL TERRAIN MODEL (DTM) TIED TO THE CCS83 GRID. THE DTM WAS CREATED IN CONJUNCTION WITH AN AERIAL TOPOGRAPHICAL SURVEY AT 20-SCALE WITH 0.5 FOOT CONTOUR INTERVALS PREFORMED JANUARY 2012.
19. AREAS DESIGNATED AS "SPECIAL FUEL MOD ZONE" ARE TO BE CLEARED OF EXISTING VEGETATION, THEN COVERED WITH LANDSCAPING FABRIC AND WEIGHTED DOWN USING AS SURFACING MATERIAL OF CRUSHED STONE
20. EARTHWORK QUANTITIES:

EXCAVATION:	28,410	CUBIC YARDS
FILL:	28,410	CUBIC YARDS
IMPORT:		CUBIC YARDS
EXPORT:	0	CUBIC YARDS

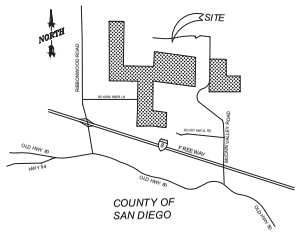
PRELIMINARY GRADING PLAN NOTE

THIS PLAN IS PROVIDED TO ALLOW FOR FULL AND ADEQUATE DISCRETIONARY REVIEW OF A PROPOSED DEVELOPMENT PROJECT. THE PROPERTY OWNER ACKNOWLEDGES THAT ACCEPTANCE OR APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN APPROVAL TO PERFORM ANY GRADING SHOWN HEREON, AND AGREES TO OBTAIN VALID GRADING PERMISSION BEFORE COMMENCING SUCH ACTIVITY.

STORMWATER MANAGEMENT NOTES

1. DURING THE RAINY SEASON FROM OCTOBER 1ST TO APRIL 30TH THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED WITHIN 48 HOURS OF A PREDICTED RAIN.
2. 12.5% OF ALL NEEDED BMP MATERIALS SHALL BE STORED ONSITE YEAR-ROUND TO ALLOW FULL DEPLOYMENT AND INSTALLATION WITHIN 48 HOURS OF A PREDICTED RAIN.
3. THE PROPERTY OWNER SHALL COMPLY WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMPs THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO PREVENT ONSITE EROSION AND TO PREVENT DISCHARGES OF POLLUTANTS FROM LEAVING THE SITE. MAINTENANCE OF BMPs IS THE RESPONSIBILITY OF THE PROPERTY OWNER AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMPs MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BMPs FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE AS SOON AS IT IS SAFE TO DO SO.
4. PERIMETER SEDIMENT CONTROL BMPs SHALL BE INSTALLED IMMEDIATELY AFTER THE AREA TO BE GRADED IS BRUSHED OR CLEARED, BUT PRIOR TO THE START OF GRADING OPERATIONS.
5. EROSION CONTROL BMPs USED FOR SLOPE STABILIZATION SHALL BE INSTALLED AS SOON AS THE FINISHED SLOPES ARE COMPLETE.
6. A PERIMETER BMP INSPECTION IS REQUIRED ON THE FIRST DAY OF GRADING
7. WHERE AN EXISTING STORMWATER CONVEYANCE CROSSES OVER A PLANNED SECONDARY SERVICE ROAD, THE ROAD SHALL BE GRADED AND MAINTAINED AS A FORD.
8. RIP RAP SHALL BE PLACED AT ALL LOCATIONS WHERE ONE DRAINAGE FEATURE (SUCH AS A DITCH OR A SWALE) DRAINS INTO A LARGER DRAINAGE FEATURE.
9. DIP SECTIONS SHALL BE COMPOSED OF 6" OF REINFORCED STRUCTURAL CONCRETE SLABS, WHICH SHALL BE DESIGNED TO WITHSTAND AND CONVEY HUNDRED (100) YEAR FREQUENCY STORM.
10. ALL SURFACES THAT ARE INOTIMPROVED ROADS SHOULD BE SEEDED AND REVEGETATED WITH DROUGHT TOLERANT PLANTS.

VICINITY MAP



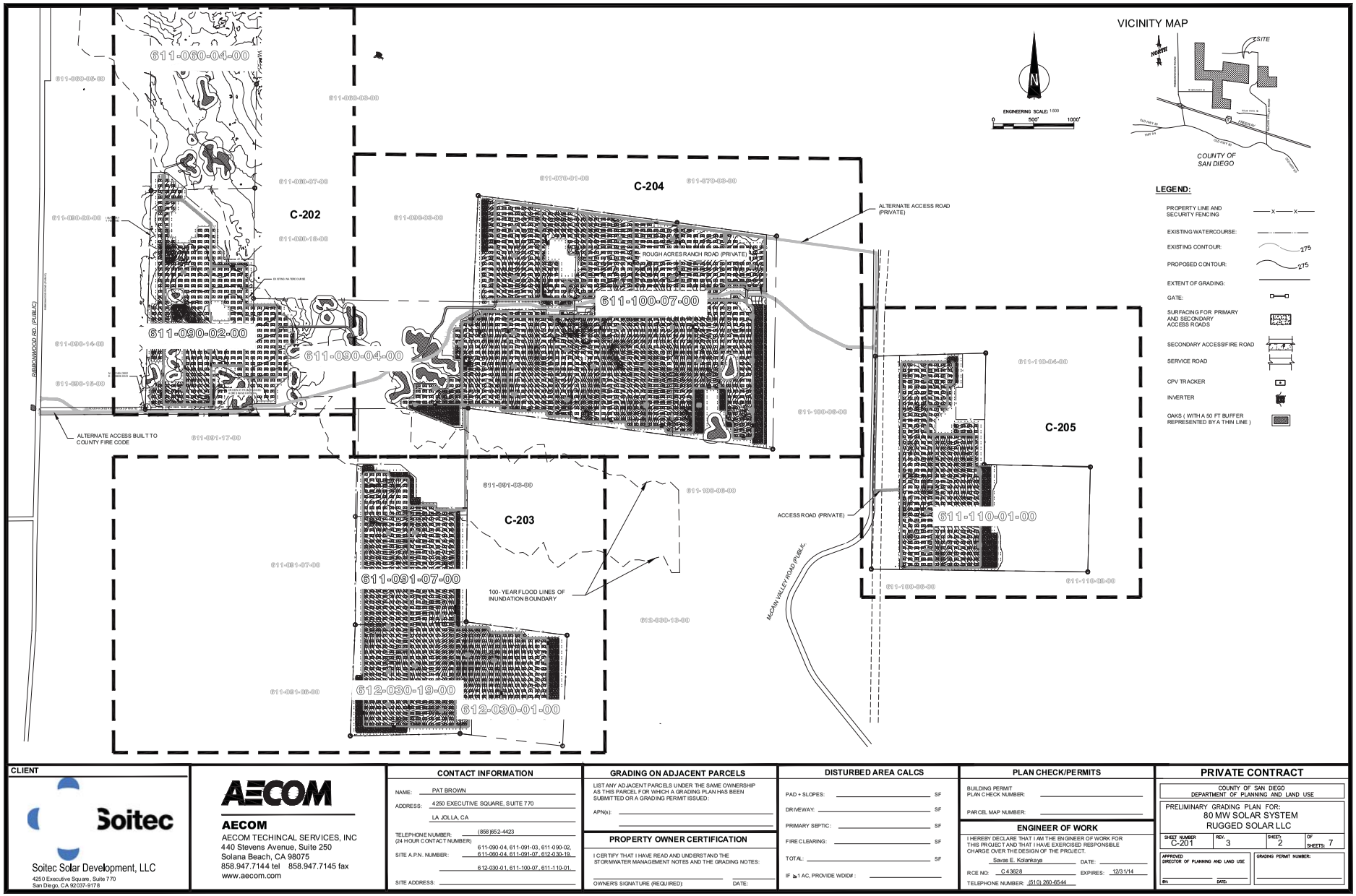
PROPERTY OWNER INFORMATION				
NAME:	Watsontone Support Foundation Inc. John Gibson	Frankl eBrisbadeau	VistaBaldBusines sPark John Gibson	Hermo nyBrowPartners John Gibson
ADDRESS:	2925 Professional Pl #200	39990 Boadrunner Dr.	100 0Pioneer Way	1000Pioneer Way
CITY:	Colorado Springs	Boulevard	El Cajon	El Cajon
STATE:	CO	CA	CA	CA
ZIP:	80904	91905	92020	92020
PHONE:	(619) 440-7424	(619) 766-9105	(619) 440-7424	(619) 440-7424
APN# 's and (Acreage)	611-110-01 (63.71)	611-091-07 (42.39), 612-030-19 (43.43), 612-030-01 (33.10)	611-0 90-04 (22.62), 611-091-03 (14.62), 611-0 90-02 (69.83), 611-0 90-04 (1.63)	611-100-07 (214.84)

CLIENT	CONTACT INFORMATION	GRADING ON ADJACENT PARCELS	DISTURBED AREA CALCS	PLAN CHECK/PERMITS	PRIVATE CONTRACT
Soitec Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92037-9178	NAME: PAT BROWN ADDRESS: 4250 Executive Square, Suite 770 La Jolla, CA TELEPHONE NUMBER: (858) 652-4423 (24 HOUR CONTACT NUMBER) SITE A.P.N. NUMBER: SEE DRAWINGS C-202 THROUGH C-205 ADJACENT A.P.N NUMBERS SEE DRAWINGS C-202 THROUGH C-205	LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED: APN(s):	PAD + SLOPES: SF DRIVEWAY: SF PRIMARY SEPTIC: SF FIRE CLEARING: SF TOTAL: SF IF ≥1 AC, PROVIDE WDID# :	BUILDING PERMIT PLAN CHECK NUMBER: PARCEL MAP NUMBER:	COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE PRELIMINARY GRADING PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC SHEET NUMBER C-200 · REV. 3 · SHEET: 1 · OF SHEETS: 7 APPROVED DIRECTOR OF PLANNING AND LAND USE BY: DATE: GRADING PERMIT NUMBER:
AECOM AECOM AECOM TECHINCAL SERVICES, INC 440 Stevens Avenue, Suite 250 Solana Beach, CA 98075 858.947.7144 tel 858.947.7145 fax www.aecom.com		PROPERTY OWNER CERTIFICATION I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES: OWNER'S SIGNATURE (REQUIRED) DATE:		ENGINEER OF WORK I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT. NAME: Savas E. Kolankaya DATE: RCE NO: C 43628 EXPIRES: 12/31/14	

PRELIMINARY

SDC PDS RCVD 12-16-14
3300-12-007

FILE NAME: C:\USERS\OROZCOG\DESKTOP\SOITEC SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\GRADING & DRAINAGE DRAWINGS\WORKING DETAIL DRAWINGS\C-200_NOTES_RUGGED_REV3.DWG LAST SAVED BY: OROZCOG PLOT DATE: 12/3/2014 4:09:15 PM



CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

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AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
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www.aecom.com

CONTACT INFORMATION

NAME: PAT BROWN
ADDRESS: 4250 EXECUTIVE SQUARE, SUITE 770
LA JOLLA, CA
TELEPHONE NUMBER: (858)652-4423
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-090-04, 611-091-03, 611-090-02, 611-060-04, 611-091-07, 612-030-19, 612-030-01, 611-100-07, 611-110-01
SITE ADDRESS:

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED) DATE:

DISTURBED AREA CALCS

PAD + SLOPES: SF
DRIVEWAY: SF
PRIMARY SEPTIC: SF
FIRE CLEARING: SF
TOTAL: SF
IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

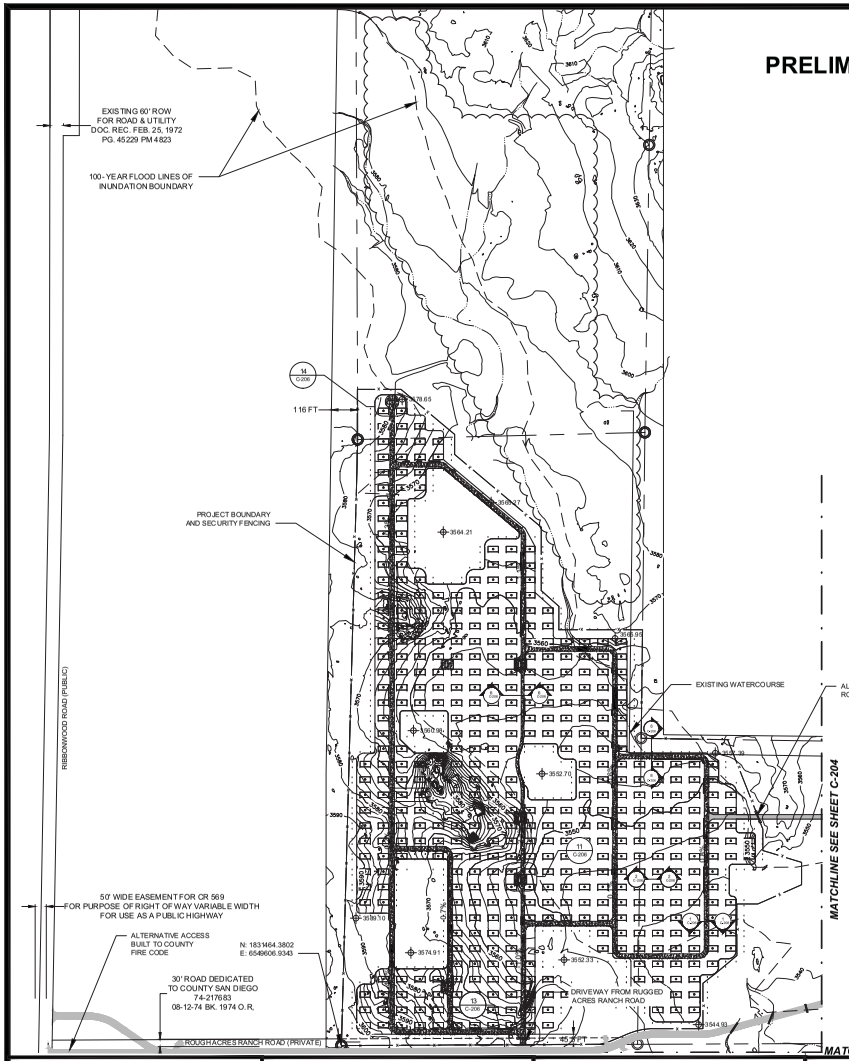
SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-201	3	2	7

APPROVED DIRECTOR OF PLANNING AND LAND USE
BY: DATE:
GRADING PERMIT NUMBER:

PRELIMINARY

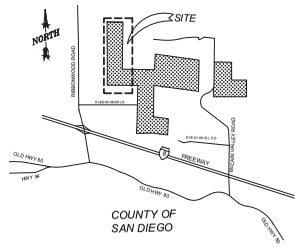
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PRELIMINARY GRADING PLAN





VICINITY MAP



GRADING LEGEND

PROPERTY LINE AND SECURITY FENCING	—X—X—
EXISTING WATERCOURSE:	
EXISTING CONTOUR:	275
PROPOSED CONTOUR:	275
EXTENT OF GRADING:	
GATE:	
SURFACING FOR PRIMARY AND SECONDARY ACCESS ROAD.	

VISTA OAKS EARTHWORK

BASE SURFACE	EXISTING GROUND
COMPARISON SURFACE	FUTURE GROUND
AREA SQ. FT.	3,177,251
AREA, acres	75.0
CUT, Cu. Yd.	4656
FILL, Cu. Yd.	4656
NET, Cu. Yd.	0

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: Vista Oaks Business Park, John Gibson
ADDRESS: 1000 Pioneer Way
El Cajon, CA 92020
TELEPHONE NUMBER: (619) 440-7424
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-090-04 , 611-091-03
611-090-02, 611-060-04
ADJACENT A.P.N NUMBERS 611-090-04, 611-090-18,611-060-07
611-090-14,611-090-115,611-091-17
611-060-03,611-060-04,611-060-05,611-090-19,611-090-20,611-090-20

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED) DATE:

DISTURBED AREA CALCS

PAD + SLOPES: 390,942 SF
DRIVEWAY: 1,424 SF
PRIMARY SEPTIC: SF
FIRE CLEARING: 2,784,885 SF
TOTAL: 3,177,251 SF
IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
NAME: Savas E. Kolankaya DATE:
R.C.E NO: C 43628 EXPIRES: 12/31/14

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

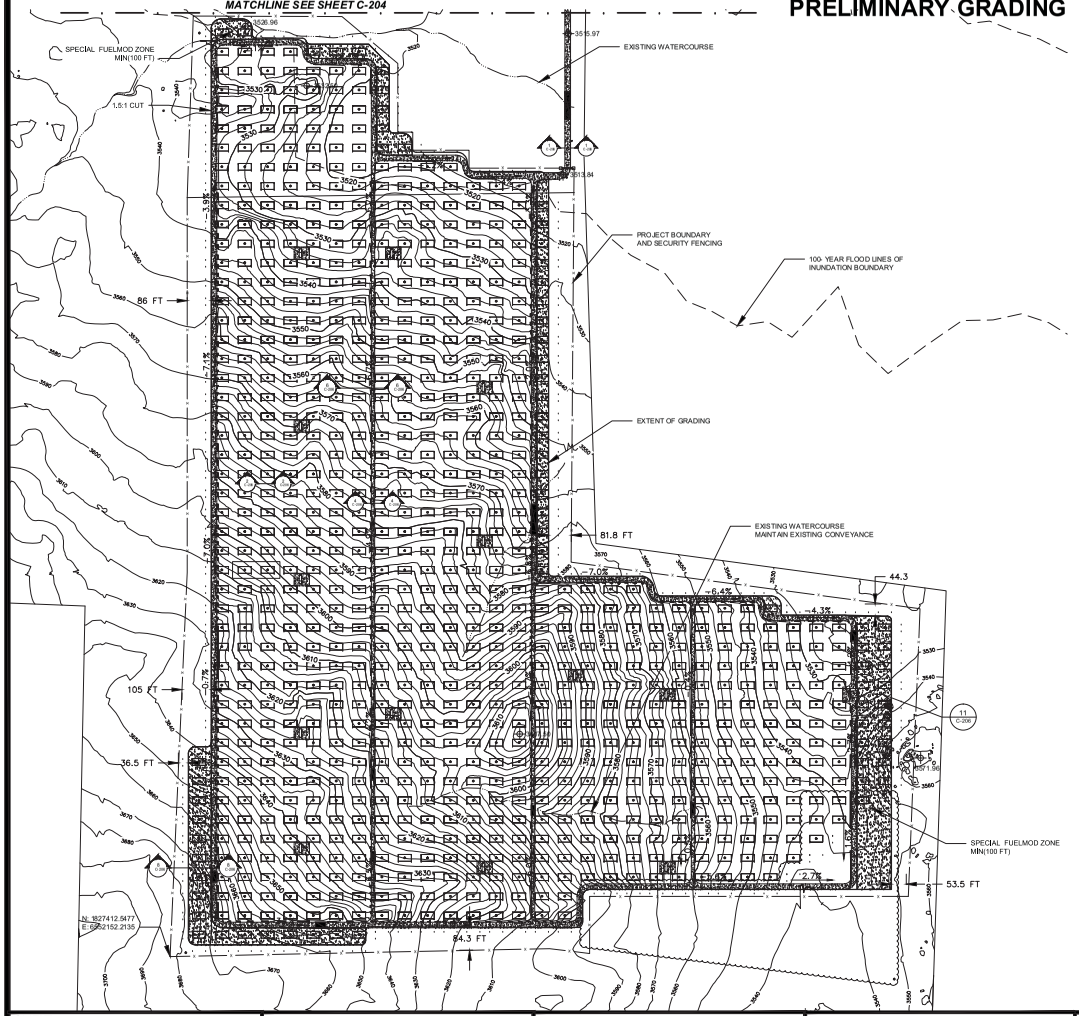
SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-202	3	3	7

APPROVED DIRECTOR OF PLANNING AND LAND USE
BY: DATE:
GRADING PERMIT NUMBER:

PRELIMINARY

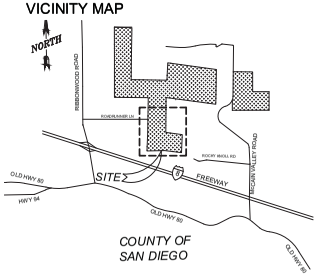
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PRELIMINARY GRADING PLAN





VICINITY MAP



COUNTY OF SAN DIEGO

GRADING LEGEND

PROPERTY LINE AND SECURITY FENCING	X X
EXISTING WATERCOURSE:	
EXISTING CONTOUR:	275
PROPOSED CONTOUR:	275
EXTENT OF GRADING:	
GATE:	
SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS	

FRANKIE THIDODEAU EARTHWORK

BASE SURFACE	EXISTING GROUND
COMPARISON SURFACE	FUTURE GROUND
AREA SQ. FT.	5,796,179
AREA, acres	133.0
CUT, Cu. Yd.	3780
FILL, Cu. Yd.	3780
NET, Cu. Yd.	0

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

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AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: Frankie Thibodeau
ADDRESS: 39990 Roadrunner Ln
Boulevard, CA 91905
TELEPHONE NUMBER: (619) 766-9105
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-091-07, 612-030-19, 612-030-01
ADJACENT A.P.N NUMBERS 611-091-07,612-030-02,612-030-21
612-030-13, 611-100-006, 611-091-03, 611-091-02

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED) DATE:

DISTURBED AREA CALCS

PAD + SLOPES: 381,751 SF
DRIVEWAY: SF
PRIMARY SEPTIC: SF
FIRE CLEARING: 5,414,428 SF
TOTAL: 5,796,179 SF
IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT
PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-203	3	4	7

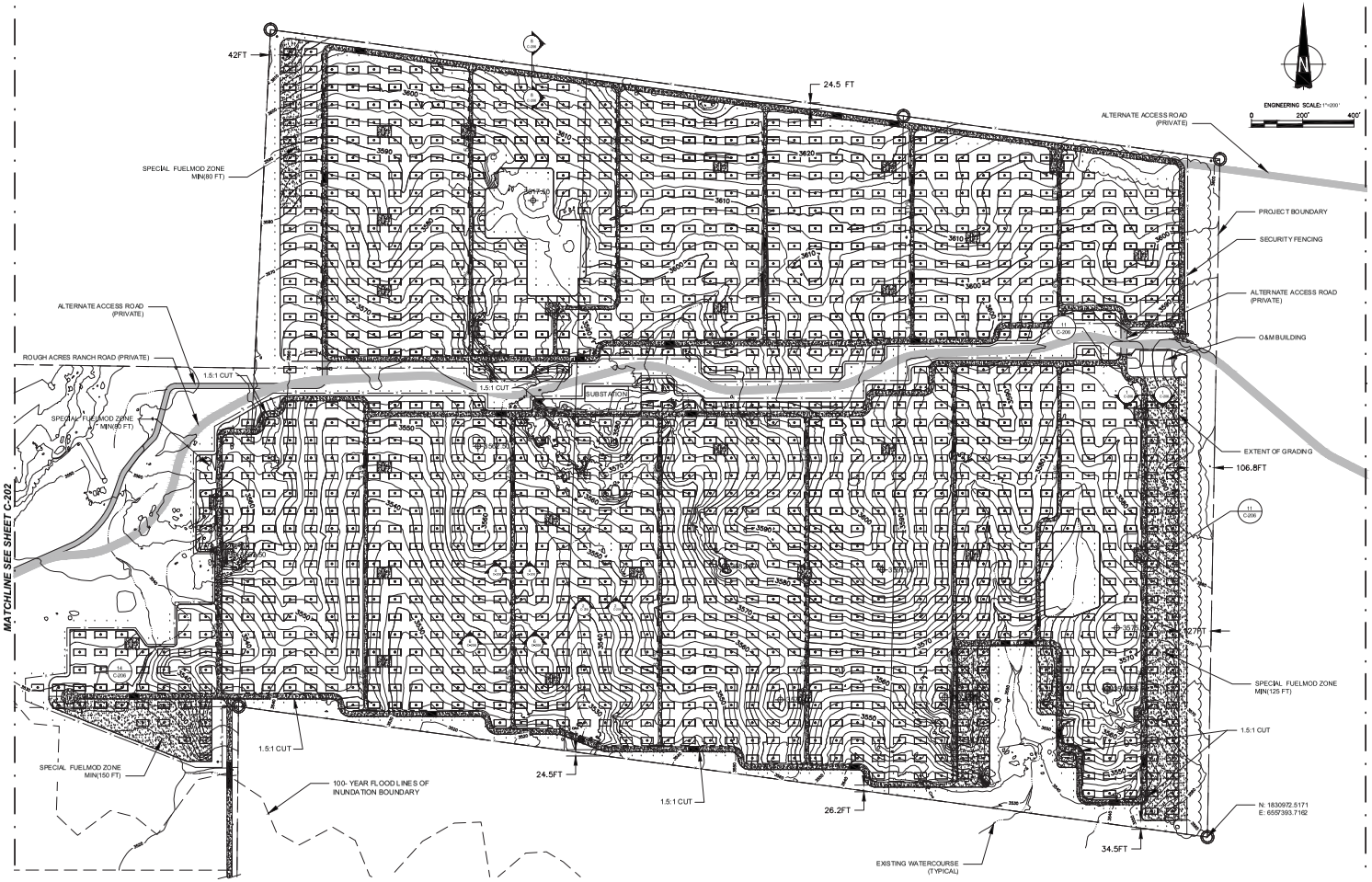
APPROVED
DIRECTOR OF PLANNING AND LAND USE
BY: DATE:

GRADING PERMIT NUMBER:

PRELIMINARY

FILE NAME: C:\USERS\ORO2COG\DESKTOP\SOITEC SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\GRADING & DRAINAGE DRAWINGS\WORKING GRADING\GC-203\CADGC-203_GRADING_REV3.DWG LAST SAVED BY: ORO2COG PLOT DATE: 12/3/2014 2:48:38 PM

PRELIMINARY GRADING PLAN



VICINITY MAP



GRADING LEGEND

SECURITY FENCING:	X X
EXISTING WATERCOURSE:	
EXISTING CONTOUR:	275
PROPOSED CONTOUR:	275
EXTENT OF GRADING:	
GATE:	
SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS	

HARMONY GROVE EARTHWORK

BASE SURFACE	EXISTING GROUND
COMPARISON SURFACE	FUTURE GROUND
AREA SQ. FT.	9,568,780
AREA, acres	220.0
CUT, Cu. Yd.	14156
FILL, Cu. Yd.	14156
NET, Cu. Yd.	0

CLIENT

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Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: Harmony Grove Partners John Gibson
ADDRESS: 1000 Pioneer Way
El Cajon, CA 92020
TELEPHONE NUMBER: (619) 440-7424
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-100-07
ADJACENT A.P.N NUMBERS 611-100-06, 611-091-03, 611-070-03
611-070-01, 611-060-03, 611-090-03, 611-090-04

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED): DATE:

DISTURBED AREA CALCS

PAD + SLOPES:	837,935	SF
DRIVEWAY:	4,056	SF
PRIMARY SEPTIC:		SF
FIRE CLEARING:	8,726,789	SF
TOTAL:	9,568,780	SF

IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
Savas E. Kolankaya DATE:
RCE NO: C 43626 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

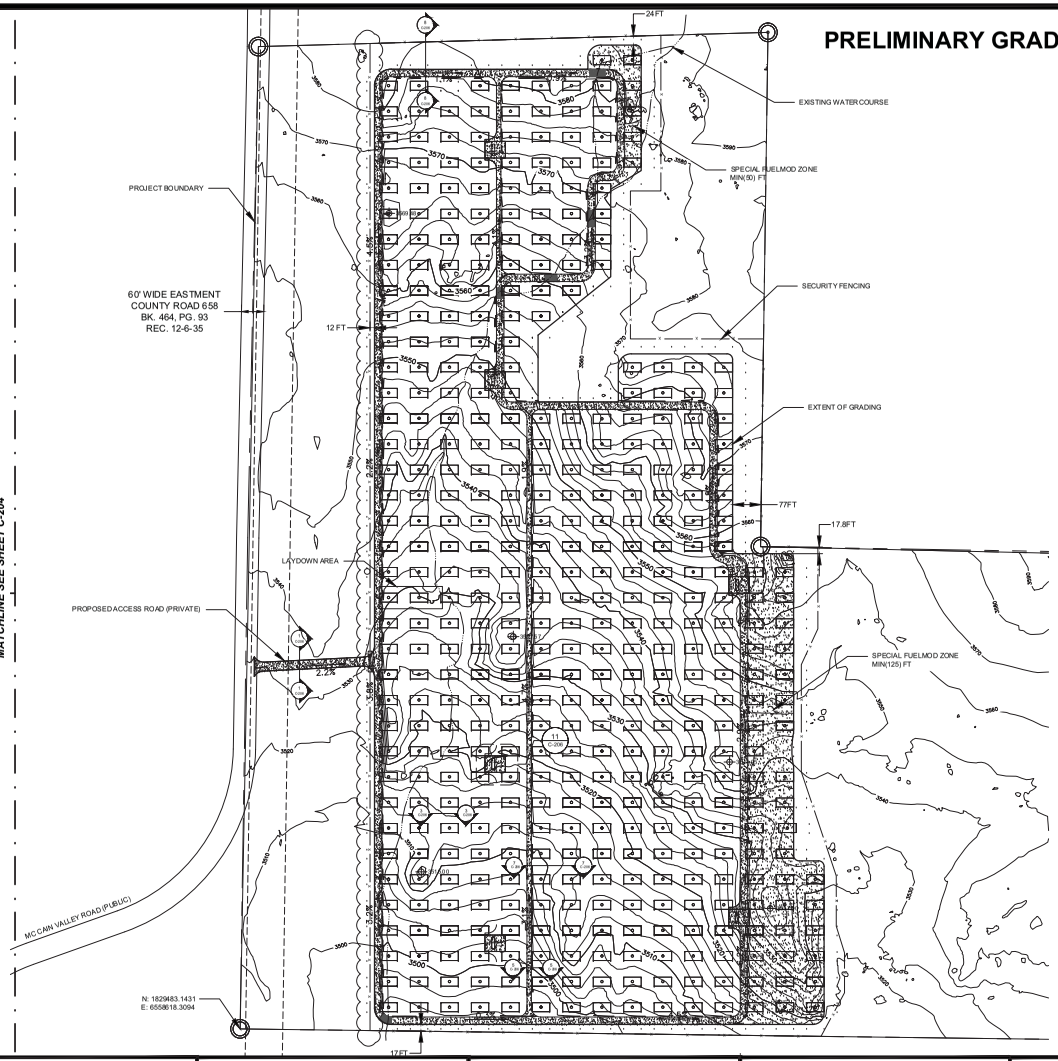
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C-204	3	5	7

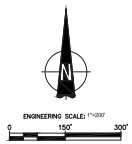
APPROVED DIRECTOR OF PLANNING AND LAND USE
BY: DATE:
GRADING PERMIT NUMBER:

PRELIMINARY

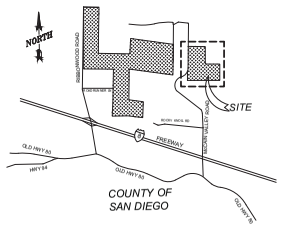
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PRELIMINARY GRADING PLAN





VICINITY MAP



GRADING LEGEND

SECURITY FENCING	X X
EXISTING WATERCOURSE:	
EXISTING CONTOUR:	275
PROPOSED CONTOUR:	275
EXTENT OF GRADING:	
GATE:	
SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS	

WATERSTONE EARTHWORK

BASE SURFACE	EXISTING GROUND
COMPARISON SURFACE	FUTURE GROUND
AREA SQ. FT.	2,787,979
AREA acres	64
CUT, Cu. Yd.	5819
FILL, Cu. Yd.	5819
NET, Cu. Yd.	0

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: Waterstone Support Foundation Inc. John Gibson
ADDRESS: 2925 Professional Pl #200
Colorado Springs, CA 80904
TELEPHONE NUMBER: (619) 440-7424
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-110-01
ADJACENT A.P.N NUMBERS 611-110-04, 611-100-06, 611-110-02

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:

OWNER'S SIGNATURE (REQUIRED) DATE:

DISTURBED AREA CALCS

PAD + SLOPES:	214,904	SF
DRIVEWAY:	8,370	SF
PRIMARY SEPTIC:		SF
FIRE CLEARING:	2,564,705	SF
TOTAL:	2,787,979	SF
IF ≥1 AC, PROVIDE WDID# :		

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.

Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-205	3	6	7

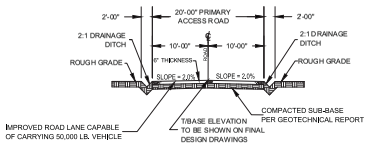
APPROVED
DIRECTOR OF PLANNING AND LAND USE
BY: DATE:

GRADING PERMIT NUMBER:

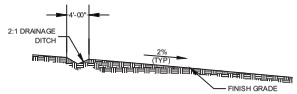
PRELIMINARY

FILE NAME: C:\USERS\ORO2COG\DESKTOP\SOITEC SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\GRADING & DRAINAGE DRAWINGS\WORKING GRADING\GIC-205\CAD\C-205_GRADING_REV3.DWG LAST SAVED BY: ORO2COG PLOT DATE: 12/3/2014 2:52:19 PM

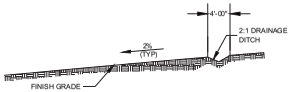
DETAILS



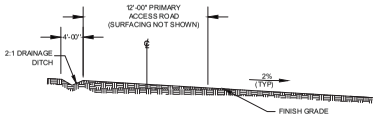
1 TYPICAL CROSS SECTION
PRIMARY ACCESS ROAD NTS



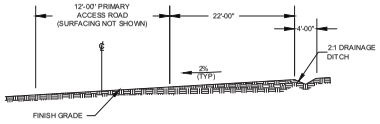
2 TYPICAL CROSS SECTION
NTS



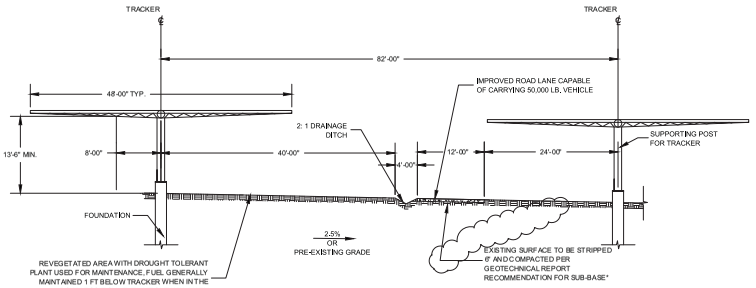
3 TYPICAL CROSS SECTION
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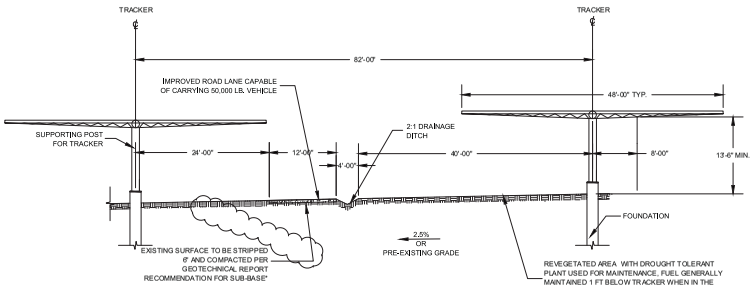
4 TYPICAL CROSS SECTION
SECONDARY ACCESS ROAD NTS



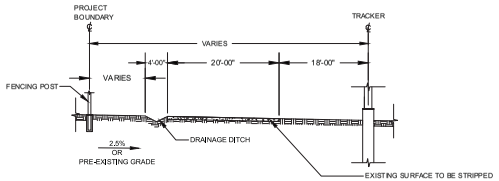
5 TYPICAL CROSS SECTION
SECONDARY ACCESS ROAD NTS



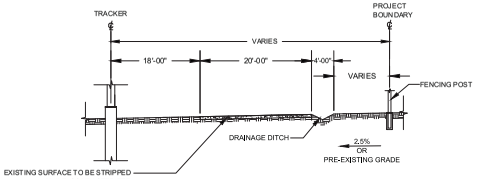
6 TYPICAL CROSS SECTION
EMERGENCY VEHICLE ACCESS NTS



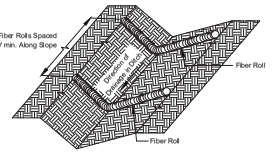
7 TYPICAL CROSS SECTION
EMERGENCY VEHICLE ACCESS NTS

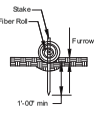


8 TYPICAL CROSS SECTION
SEE NOTE 19. ON C-200 NTS

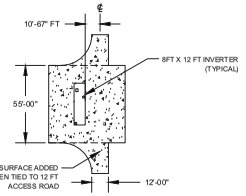


9 TYPICAL CROSS SECTION
SEE NOTE 19. ON C-200 NTS

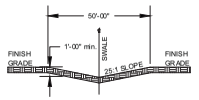




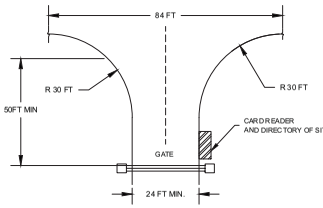
10 DETAIL - FIBER ROLL
NTS



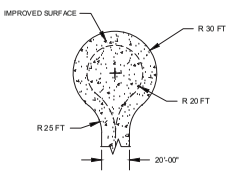
11 DETAIL - DECOMPOSED GRANITE PAD
SEE DETAIL 1 FOR MATERIAL COMPACTION NTS



12 DETAIL - SWALE
TYPICAL FOR MAINTAINING EXISTING WATERCOURSE NTS



13 DETAIL - DRIVEWAY ENTRANCE
NTS



14 DETAIL - TURNAROUND
NTS

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

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AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: SEE SHEETS C-202 THROUGH C-205
ADDRESS:
TELEPHONE NUMBER: (24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER:
ADJACENT A.P.N NUMBERS

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED) DATE:

DISTURBED AREA CALCS

PAD + SLOPES: SF
DRIVEWAY: SF
PRIMARY SEPTIC: SF
FIRE CLEARING: SF
TOTAL: SF
IF ≥ 1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
NAME: Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

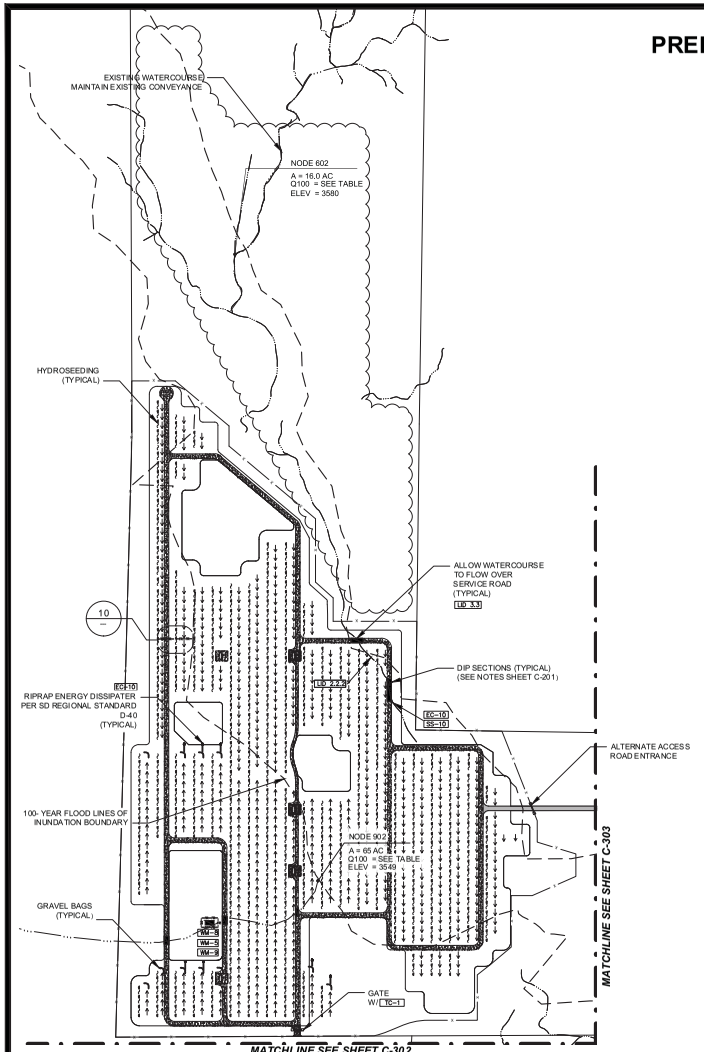
SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-206	2	7	7

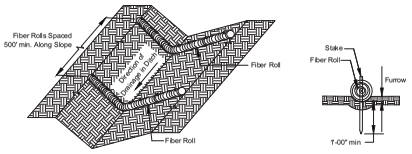
APPROVED DIRECTOR OF PLANNING AND LAND USE
BY: DATE:
GRADING PERMIT NUMBER:

PRELIMINARY

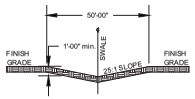
FILE NAME: C:\USERS\ORO2COG\DESKTOP\SOITEC SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\GRADING & DRAINAGE DRAWINGS\WORKING DETAIL DRAWINGS\C-206_DETAILS_RUGGED_REV2.DWG LAST SAVED BY: ORO2COG PLOT DATE: 9/9/2014 3:28:23 PM

PRELIMINARY DRAINAGE AND BMP PLAN

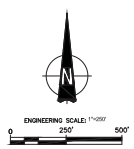




10 | DETAIL - FIBER ROLL
NTS



12 | DETAIL - SWALE
TYPICAL FOR MAINTAINING EXISTING WATERCOURSE NTS



Proposed Road Crossings of Existing Watercourses

Watercourse No.	Dip Crossing Down Stream Node.	100-year Design Flow Rate	Flow Depth	Flooded Width
		cfs	ft	ft
200	204	444	1.37	47.4
	204	444	1.37	47.4
600	602	96	0.61	32.2
	602	96	0.61	32.2
900	902	70	0.51	30.2
1300	1303	44	0.39	27.80
	1303	44	0.39	27.80
1400	1402	15	0.21	24.20
	1402	15	0.21	24.20
	1402	15	0.21	24.20
1500	1502	73	0.51	30.20
	1502	73	0.51	30.20
	1502	73	0.51	30.20
1800	1803	71	0.51	30.20
	1803	71	0.51	30.20
	1803	71	0.51	30.20
	1803	71	0.51	30.20
	1803	71	0.51	30.20
1900	1902	122	0.69	33.8
	1902	122	0.69	33.80
2000	2004	374	1.25	45.00
	2004	374	1.25	45.00
	2004	374	1.25	45.00
	2004	374	1.25	45.00

*Assume a 10% road slope down into the crossing

VICINITY MAP



LEGEND

PROPERTY LINE AND SECURITY FENCING
EXISTING WATERCOURSE
LINES OF INUNDATION BOUNDARY
SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS
GATE:

BMP LEGEND

DIRECTION OF LOT DRAINAGE

MATERIALS & WASTE MANAGEMENT CONTROL BMPs
- WM-8 PORTABLE CONCRETE WASTE MANAGEMENT
- WM-5 SOLID WASTE MANAGEMENT
- WM-9 SANITARY WASTE MANAGEMENT

TEMPORARY RUNOFF CONTROL BMPs
- SS-4 HYDROSEEDING (SUMMER) TSP TSP
- SS-10 ENERGY DISSIPATOR
- SC-1 SILT FENCE
- SC-5 FIBER ROLLS FR FR
- SC-6 / SC-8 GRAVEL OR SAND BAGS
- TC-1 STABILIZED CONSTRUCTION ENTRANCE

PERMANENT BMPs
- SD-10 PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE
- EC-10 OUTLET PROTECTION

LOW IMPACT DEVELOPMENT BMPs
- LID 2.2.2 MINIMIZE DISTURBANCES TO NATURAL DRAINAGES
- LID 2.2.3 MINIMIZE AND DISCONNECT IMPERVIOUS SURFACE
- LID 2.2.4 MINIMIZE SOIL COMPACTION
- LID 3.3 ROAD DESIGN FOR DEVELOPMENTS

CLIENT

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440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: Vista Oaks Business Park, John Gibson
ADDRESS: 1000 Pioneer Way
El Cajon, CA 92020
TELEPHONE NUMBER: (619) 440-7424
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-090-03 , 611-091-03 611-090-02, 611-060-04 611-090-04, 611-060-18,611-060-07 611-090-14,611-090-115,611-091-17
ADJACENT A.P.N NUMBER: 611-060-03,611-060-04,611-060-05,611-090-19,611-090-20,611-090-20

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED): DATE:

DISTURBED AREA CALCS

PAD + SLOPES:	3,390,942	SF
DRIVEWAY:	1,425	SF
PRIMARY SEPTIC:		SF
FIRE CLEARING:		SF
TOTAL:	3,177,251	SF

IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
NAME: Savas E. Kolankaya DATE:
RCE NO.: C 43626 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY DRAINAGE PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

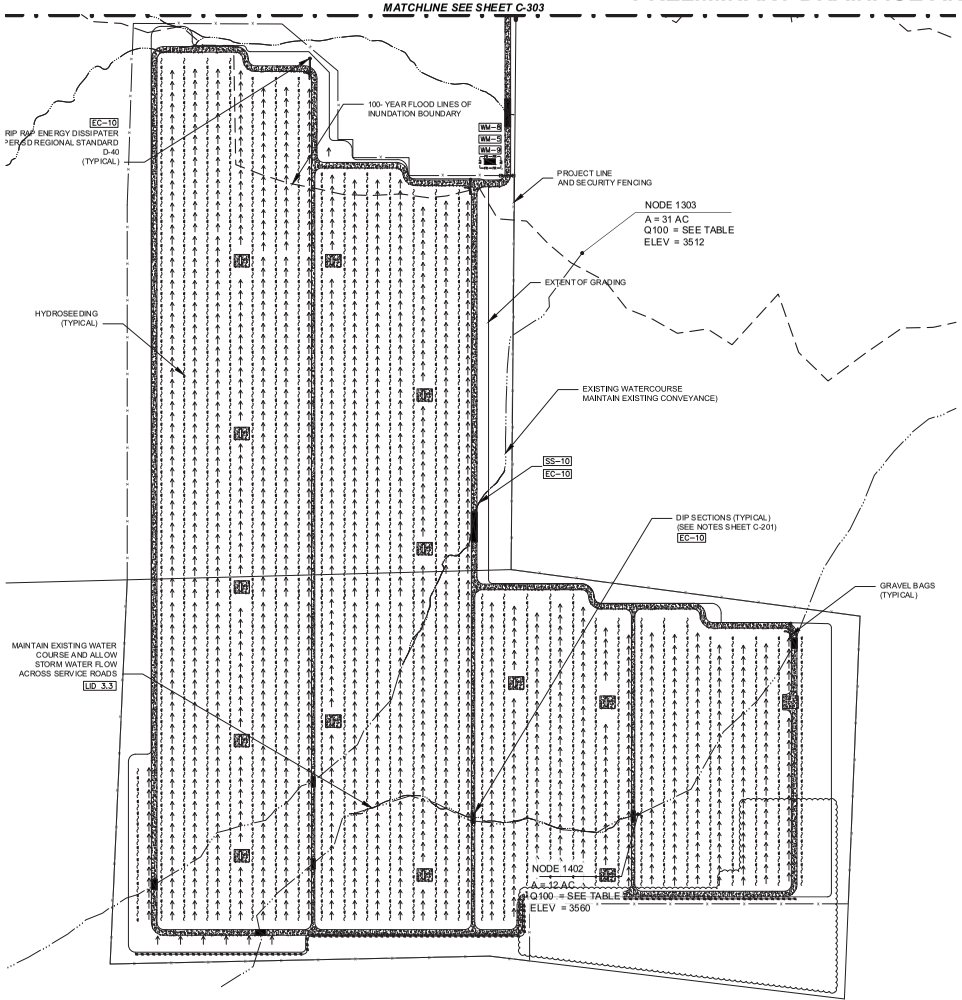
SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-301	3	1	4

APPROVED DIRECTOR OF PLANNING AND LAND USE
BY: DATE:
GRADING PERMIT NUMBER:

PRELIMINARY

FILE NAME: C:\USERS\ORDZCOG\DESKTOP\SOITEC SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\GRADING & DRAINAGE DRAWINGS\WORKING DRAINAGE\CADIC-301-C-304_DRAINAGE_RUGGED.DWG LAST SAVED BY: ORDZCOG PLOT DATE: 12/3/2014 4:02:07 PM

PRELIMINARY DRAINAGE AND BMP PLAN



ENGINEERING SCALE: 1"=200'
0 200' 400'

VICINITY MAP



LEGEND

PROPERTY LINE AND SECURITY FENCING
EXISTING WATERCOURSE
LINES OF INUNDATION BOUNDARY
SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS
GATE:

BMP LEGEND

DIRECTION OF LOT DRAINAGE

MATERIALS & WASTE MANAGEMENT CONTROL BMPs

- WM-8 PORTABLE CONCRETE WASTE MANAGEMENT
- WM-5 SOLID WASTE MANAGEMENT
- WM-9 SANITARY WASTE MANAGEMENT

TEMPORARY RUNOFF CONTROL BMPs

- SS-4 HYDROSEEDING (SUMMER) TSP TSP
- SS-10 ENERGY DISSIPATOR
- SC-1 SILT FENCE
- SC-5 FIBER ROLLS FR FR
- SC-6 / SC-8 GRAVEL OR SAND BAGS
- TC-1 STABILIZED CONSTRUCTION ENTRANCE

PERMANENT BMPs

- SD-10 PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE
- EC-10 OUTLET PROTECTION

LOW IMPACT DEVELOPMENT BMPs

- LID 2.2.2 MINIMIZE DISTURBANCES TO NATURAL DRAINAGES
- LID 2.2.3 MINIMIZE AND DISCONNECT IMPERVIOUS SURFACE
- LID 2.2.4 MINIMIZE SOIL COMPACTION
- LID 3.3 ROAD DESIGN FOR DEVELOPMENTS

CLIENT

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4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

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440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: Frankie Thibodeau
ADDRESS: 39990 Roadrunner Ln
Boulevard, CA 91905
TELEPHONE NUMBER: (619) 766-9105
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-091-07, 612-030-19, 612-030-01
ADJACENT A.P.N NUMBER: 611-091-07, 612-030-02, 612-030-21
612-030-13, 611-100-006, 611-091-03, 611-091-02

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED): DATE:

DISTURBED AREA CALCS

PAD + SLOPES: 3,817,751 SF
DRIVEWAY: 2,562 SF
PRIMARY SEPTIC: SF
FIRE CLEARING: SF
TOTAL: 5,796,179 SF
IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
NAME: Savas E. Kolankaya DATE:
RCE NO: C 43626 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY DRAINAGE PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

SHEET NUMBER	REV.	SHEET	OF SHEETS
C-302	3	2	4

APPROVED
DIRECTOR OF PLANNING AND LAND USE

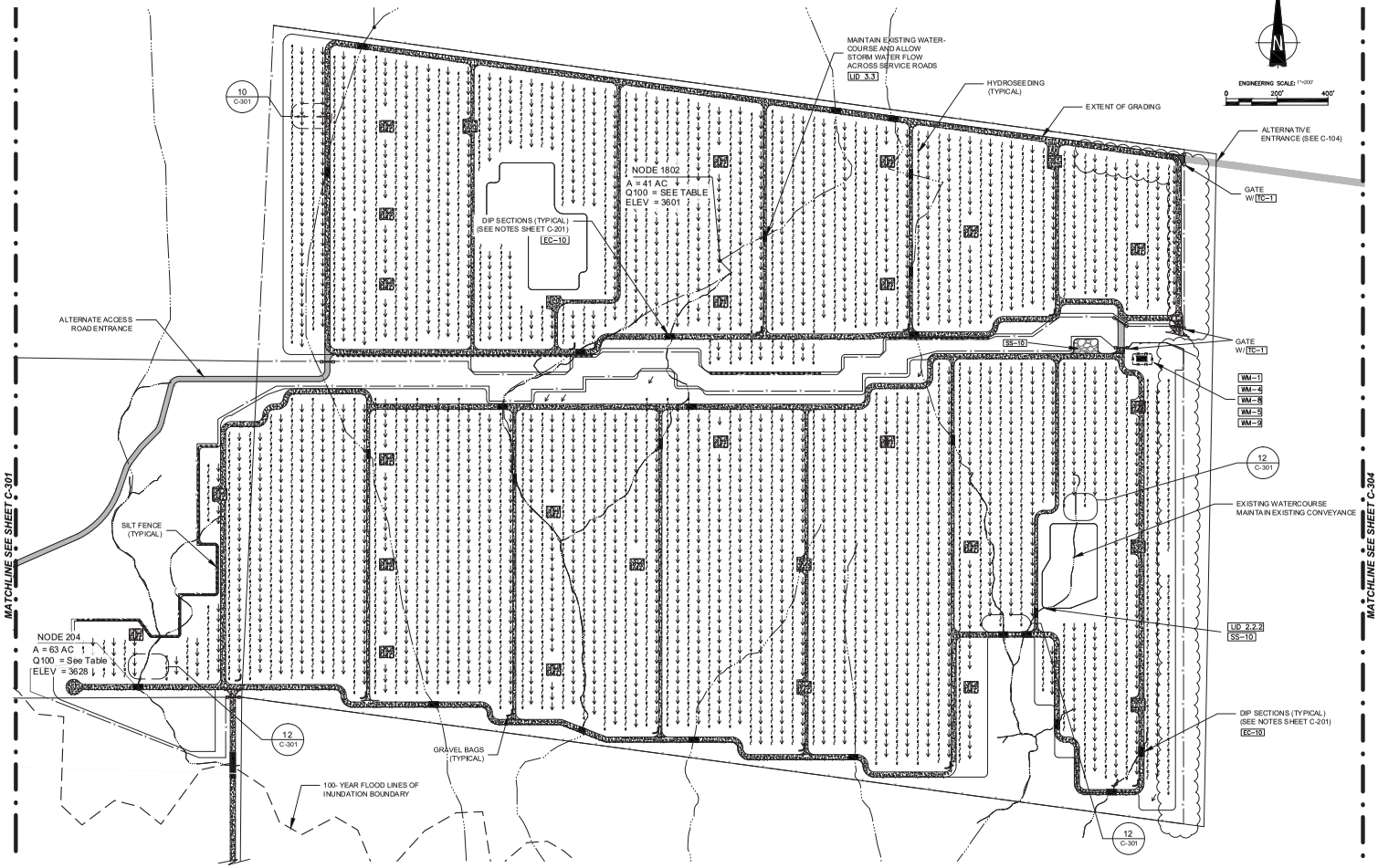
BY: DATE:

GRADING PERMIT NUMBER:

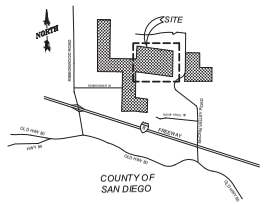
PRELIMINARY

FILE NAME: C:\USERS\OROZCOG\DESKTOP\SOITEC SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\GRADING & DRAINAGE DRAWINGS\WORKING DRAINAGE\CADIC-301-C-304_DRAINAGE_RUGGED.DWG LAST SAVED BY: OROZCOG PLOT DATE: 12/3/2014 4:01:36 PM

PRELIMINARY DRAINAGE AND BMP PLAN



VICINITY MAP



LEGEND

SECURITY FENCING —X—X—X—

EXISTING WATERCOURSE

LINES OF INUNDATION BOUNDARY

SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS

GATE:

BMP LEGEND

DIRECTION OF LOT DRAINAGE

MATERIALS & WASTE MANAGEMENT CONTROL BMPs

WM-8	PORTABLE CONCRETE WASTE MANAGEMENT
WM-5	SOLID WASTE MANAGEMENT
WM-9	SANITARY WASTE MANAGEMENT

TEMPORARY RUNOFF CONTROL BMPs

SS-4	HYDROSEEDING (SUMMER) TSP TSP
SS-10	ENERGY DISSIPATOR
SC-1	SILT FENCE
SC-5	FIBER ROLLS FR FR
SC-6 / SC-8	GRAVEL OR SAND BAGS
TC-1	STABILIZED CONSTRUCTION ENTRANCE

PERMANENT BMPs

SD-10	PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE
EC-10	OUTLET PROTECTION

LOW IMPACT DEVELOPMENT BMPs

LID 2.2.2	MINIMIZE DISTURBANCES TO NATURAL DRAINAGES
LID 2.2.3	MINIMIZE AND DISCONNECT IMPERVIOUS SURFACE
LID 2.2.4	MINIMIZE SOIL COMPACTION
LID 3.3	ROAD DESIGN FOR DEVELOPMENTS

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: Harmony Grove Partners John Gibson
ADDRESS: 1000 Pioneer Way
El Cajon, CA 92020
TELEPHONE NUMBER: (619) 440-7424
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-100-07
ADJACENT A.P.N NUMBER: 611-100-06, 611-091-03, 611-070-03
611-070-01, 611-060-03, 611-090-03, 611-090-04

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED): DATE:

DISTURBED AREA CALCS

PAD + SLOPES:	837,935	SF
DRIVEWAY:	4,056	SF
PRIMARY SEPTIC:		SF
FIRE CLEARING:		SF
TOTAL:	9,568,780	SF

IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
NAME: Savas E. Kolankaya DATE:
RCE NO: C 43626 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY DRAINAGE PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-303	3	3	4

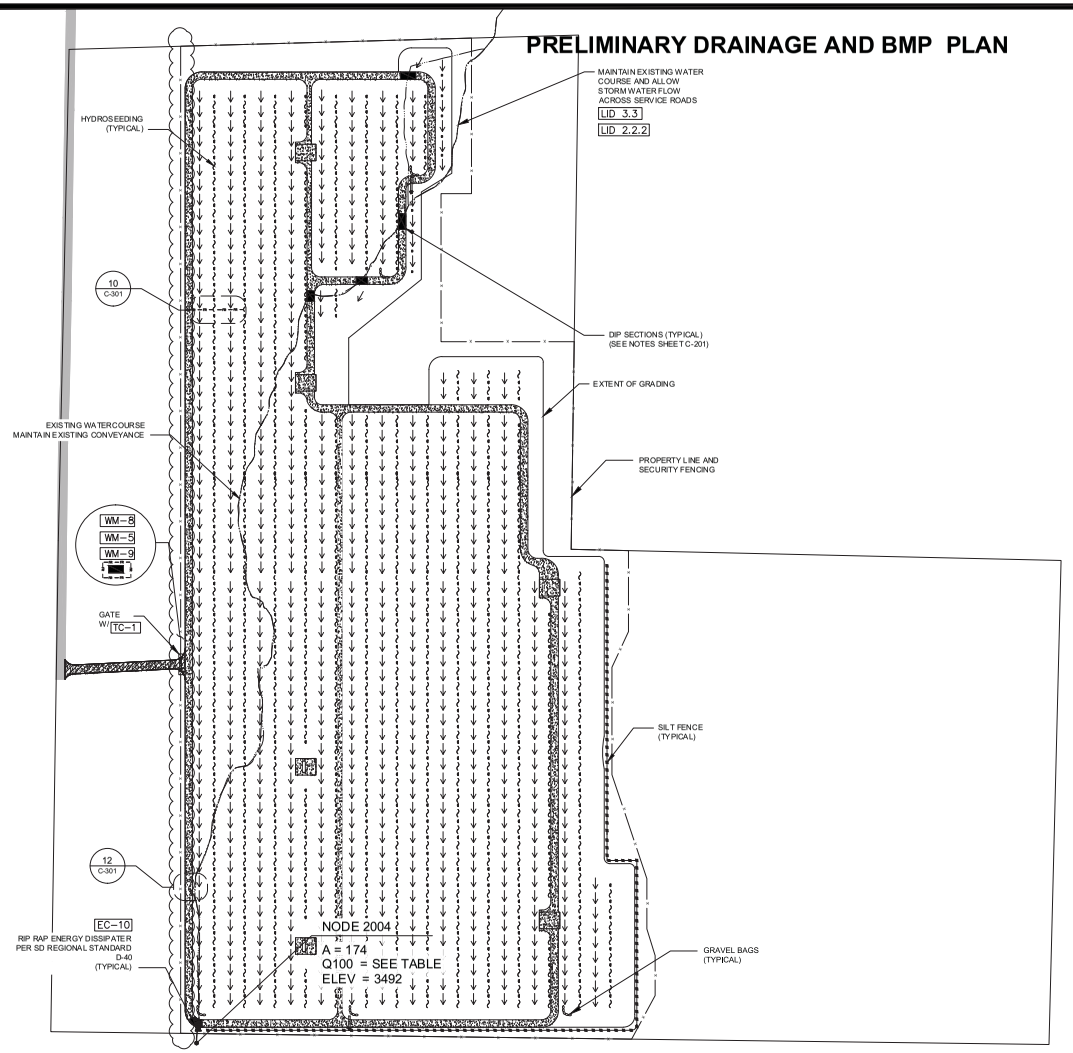
APPROVED
DIRECTOR OF PLANNING AND LAND USE
BY: DATE:

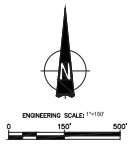
GRADING PERMIT NUMBER:

PRELIMINARY

FILE NAME: C:\USERS\OROZCOG\DESKTOP\SOITEC SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\GRADING & DRAINAGE DRAWINGS\WORKING DRAINAGE\CADIC-301-C-304_DRAINAGE_RUGGED.DWG LAST SAVED BY: OROZCOG PLOT DATE: 12/3/2014 4:03:29 PM

PRELIMINARY DRAINAGE AND BMP PLAN





VICINITY MAP



LEGEND

SECURITY FENCING —X—X—X—

EXISTING WATERCOURSE

SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS

GATE:

BMP LEGEND

DPLU 659 BERM

DIRECTION OF LOT DRAINAGE

MATERIALS & WASTE MANAGEMENT CONTROL BMPs

- WM-8 PORTABLE CONCRETE WASTE MANAGEMENT
- WM-5 SOLID WASTE MANAGEMENT
- WM-9 SANITARY WASTE MANAGEMENT

TEMPORARY RUNOFF CONTROL BMPs

- SS-4 HYDROSEEDING (SUMMER) TSP TSP
- SS-10 ENERGY DISSIPATOR
- SC-1 SILT FENCE
- SC-5 FIBER ROLLS FR FR
- SC-6 / SC-8 GRAVEL OR SAND BAGS
- TC-1 STABILIZED CONSTRUCTION ENTRANCE

PERMANENT BMPs

- SD-10 PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE
- EC-10 OUTLET PROTECTION

LOW IMPACT DEVELOPMENT BMPs

- LID 2.2.2 MINIMIZE DISTURBANCES TO NATURAL DRAINAGES
- LID 2.2.3 MINIMIZE AND DISCONNECT IMPERVIOUS SURFACE
- LID 2.2.4 MINIMIZE SOIL COMPACTION
- LID 3.3 ROAD DESIGN FOR DEVELOPMENTS

CLIENT

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San Diego, CA 92037-9178

AECOM

AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: Waterstone Support Foundation Inc. John Gibson
ADDRESS: 2925 Professional Pl #200
Colorado Springs, CA 80904
TELEPHONE NUMBER: (619) 440-7424
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 611-110-01
ADJACENT A.P.N NUMBER: 611-110-04,611-100-06,611-110-02

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:
OWNER'S SIGNATURE (REQUIRED): DATE:

DISTURBED AREA CALCS

PAD + SLOPES: 214,904 SF
DRIVEWAY: 8,370 SF
PRIMARY SEPTIC: SF
FIRE CLEARING: SF
TOTAL: 2,787,979 SF
IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
NAME: Savas E. Kolankaya DATE:
RCE NO: C 43626 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY DRAINAGE PLAN FOR:
80 MW SOLAR SYSTEM
RUGGED SOLAR LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-304	3	4	4

APPROVED
DIRECTOR OF PLANNING AND LAND USE

BY: DATE:

GRADING PERMIT NUMBER:

PRELIMINARY

FILE NAME: C:\USERS\OROZCOG\DESKTOP\SOITEC SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\GRADING & DRAINAGE DRAWINGS\WORKING DRAINAGE\CADIC-301 C-304_DRAINAGE_RUGGED.DWG LAST SAVED BY: OROZCOG PLOT DATE: 12/3/2014 4:04:22 PM

PRELIMINARY GRADING AND DRAINAGE NOTES

GRADING NOTES

1. ALL GRADING SHALL CONFORM OF THE REQUIREMENTS OF THE GRADING ORDINANCE SECTIONS 87.101 THROUGH 87.804 OF THE SAN DIEGO COUNTY CODE OF REGULATORY ORDINANCES.
2. A REGISTERED CIVIL ENGINEER IS REQUIRED TO SUPERVISE INSTALLATION OF THE FILL KEYWAY AND ALL FILL BENCHING AND COMPACTION. A SOILS REPORT WITH COMPACTION TESTS IS REQUIRED FOR ALL FILL THAT IS OVER 12" IN DEPTH. DPLU FORM #7.3, MINOR GRADING CERTIFICATION, AND THREE (3) COPIES OF THE COMPACTION REPORT COMPLETED BY A SOILS ENGINEER SHALL BE SUBMITTED PRIOR TO ROUGH GRADE APPROVAL.
3. ALL FILL MATERIAL SHALL BE COMPACTED AS NOTED.
4. NATURAL DRAINAGE SHALL NOT BE DIVERTED OR CONCENTRATED ONTO ADJACENT PROPERTY.
5. MAINTAIN 1% (MINIMUM) SLOPE AWAY FROM ALL BUILDINGS FOR AT LEAST 5'.
6. ALL GRADING DETAILS SHALL BE IN CONFORMANCE WITH THE FOLLOWING SAN DIEGO COUNTY DESIGN STANDARDS OR REGIONAL STANDARD DRAWINGS:

   A. DS-8 LOT GRADING
   B. DS-10 GRADING OF SLOPES
   C. D.S-11 REQUIRED SETBACKS
   D. D-40 RIP RAP ENERGY DISSIPATER
   F. D-82 DEBRIS FENCE
   G. DS-09 FENCING CUT BANKS

7. BERMS SHALL BE REQUIRED AT THE TOP OF ALL FILL SLOPES AND SWALES OR BROW DITCHES SHALL BE REQUIRED AT THE TOP OF ALL CUT SLOPES. ALL BERMS, SWALES, OR BROW DITCHES SHALL CONFORM TO THE DESIGN STANDARDS OR REGIONAL STANDARD DRAWINGS LISTED ABOVE.
8. REGARDLESS OF WHICH BMP'S ARE IMPLEMENTED THE FACE OF ALL CUT AND FILL SLOPES IN EXCESS OF 3' VERTICAL HEIGHT SHALL BE PLANTED AND MAINTAINED WITH A GROUND COVER OR OTHER PLANTING TO PROTECT THE SLOPES AGAINST EROSION AND INSTABILITY. PLANTING SHALL COMMENCE AS SOON AS SLOPES ARE COMPLETED. ALL PLANTING MUST HAVE A PERMANENTLY INSTALLED IRRIGATION SYSTEM.
9. REQUIRED SLOPE RATIOS ARE AS FOLLOWS:

   A. CUTS - 1.5:1 FOR MINOR SLOPES (UP TO 15' VERTICAL HEIGHT)
   B. CUTS - 2:1 FOR MAJOR SLOPES (OVER 15' VERTICAL HEIGHT)
   C. FILLS - 2:1 (MAXIMUM) FOR ALL FILL SLOPES

10. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE OWNER AND PERMITTEE ARE RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTIES. NO PERSON SHALL EXCAVATE SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET OR SIDEWALK, OR THE FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM OR ANY OTHER PUBLIC OR PRIVATE PROPERTY.
11. THE DIRECTOR OF PLANNING AND LAND USE MAY IMPOSE CONDITIONS THAT ARE REASONABLY NECESSARY TO PREVENT THE CREATION OF A NUISANCE OR HAZARD TO PERSONS OR TO PUBLIC OR PRIVATE PROPERTY. THE DIRECTOR MAY ALSO MODIFY OR ADD CONDITIONS TO ANY VALID GRADING PERMIT WHEN SUCH MODIFICATIONS OR ADDITIONS ARE REASONABLY NECESSARY TO PREVENT THE CREATION OF A NUISANCE OR HAZARD TO PERSONS OR TO PUBLIC OR PRIVATE PROPERTY. SUCH CONDITIONS MAY INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

    A. IMPROVEMENT OF EXISTING GRADING TO CONFORM WITH THE GRADING ORDINANCE, AND;
    B. REQUIREMENTS FOR FENCING OF EXCAVATIONS OR FILLS THAT WOULD OTHERWISE BE HAZARDOUS, AND;
    C. ADEQUATE DUST CONTROL MEASURES.

12. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT OR ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00AM AND 6:00PM MONDAY THROUGH SATURDAY. NO EARTH MOVING OR GRADING SHALL BE CONDUCTED ON SUNDAYS OR HOLIDAYS.
13. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITES BEFORE COMMENCING WORK. NOTICE OF THE PROPOSED WORK SHALL BE PROVIDED TO THE FOLLOWING AGENCIES:

    A. SAN DIEGO GAS AND ELECTRIC (800) 422-4133
    B. PACIFIC BELL (800) 422-4 133
    C. CATV (800) 422-4133
    D. WATER UTILITY (800) 422-4133
    E. SEWER UTILITY (800) 4 22-4133

14. APPROVAL OF THESE PLANS BY THE DIRECTOR OF PLANNING AND LAND USE DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION IS OBTAINED, RIGHT TO ENTRY FORM COMPLETED AND VALID GRADING PERMIT ISSUED.
15. THE ISSUANCE OF A GRADING PERMIT SHALL CONSTITUTE AN AUTHORIZATION TO PERFORM ONLY THAT WORK WHICH IS DESCRIBED OR SHOWN ON THE GRADING PERMIT APPLICATION AND APPROVED GRADING PLANS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ANY CONDITIONS IMPOSED BY THE DIRECTOR OF PLANNING AND LAND USE AND IN ACCORDANCE WITH THE GRADING ORDINANCE.
16. ROADS ARE CLASSIFIED ON THE DRAWING AS THE FOLLOWING:

    A. PRIMARY ACCESS ROAD – 20FT WIDE GRADED ROAD IMPROVED TO CARRYING A 50,000LBS VEHICLE.
    B. SECONDARY ACCESS ROAD – 30FT WIDE GRADED ROAD WITH AN 18FT LANE CAPABLE OF CARRYING A 15,000LBS VEHICLE AND A 12FT LANE CAPABLE OF CARRYING A 50,000LBS VEHICLE.

17. THE GRADING FOR THE SITE SHALL INCLUDE THE CLEARING AND GRUBBING FOR A 15,625,095 SQ.FT. AREA.
18. THE BASIS OF EXISTING CONTOURS WAS PROVIDED IN A DIGITAL TERRAIN MODEL (DTM) TIED TO THE CCS83 GRID. THE DTM WAS CREATED IN CONJUNCTION WITH AN AERIAL TOPOGRAPHICAL SURVEY AT 20-SCALE WITH 0.5 FOOT CONTOUR INTERVALS PREFORMED JANUARY 2012.
19. AREAS DESIGNATED AS "SPECIAL FUEL MOD ZONE" ARE TO BE CLEARED OF EXISTING VEGETATION, THEN COVERED WITH LANDSCAPING FABRIC AND WEIGHTED DOWN USING AS SURFACING MATERIAL OF CRUSHED STONE
20. EARTHWORK QUANTITIES:

EXCAVATION:	9,429	CUBIC YARDS
FILL:	9,429	CUBIC YARDS
IMPORT:	0	CUBIC YARDS
EXPORT:	0	CUBIC YARDS

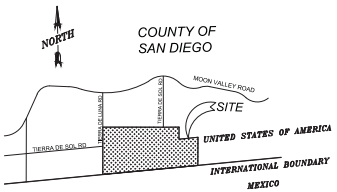
PRELIMINARY GRADING PLAN NOTE

THIS PLAN IS PROVIDED TO ALLOW FOR FULL AND ADEQUATE DISCRETIONARY REVIEW OF A PROPOSED DEVELOPMENT PROJECT. THE PROPERTY OWNER ACKNOWLEDGES THAT ACCEPTANCE OR APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN APPROVAL TO PERFORM ANY GRADING SHOWN HEREON, AND AGREES TO OBTAIN VALID GRADING PERMISSION BEFORE COMMENCING SUCH ACTIVITY.

STORMWATER MANAGEMENT NOTES

1. DURING THE RAINY SEASON FROM OCTOBER 1ST. TO APRIL 30TH THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED WITHIN 48 HOURS OF A PREDICTED RAIN.
2. 125% OF ALL NEEDED BMP MATERIALS SHALL BE STORED ONSITE YEAR-ROUND TO ALLOW FULL DEPLOYMENT AND INSTALLATION WITHIN 48 HOURS OF A PREDICTED RAIN.
3. THE PROPERTY OWNER SHALL COMPLY WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMPs THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO PREVENT ONSITE EROSION AND TO PREVENT DISCHARGES OF POLLUTANTS FROM LEAVING THE SITE. MAINTENANCE OF BMPs IS THE RESPONSIBILITY OF THE PROPERTY OWNER AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMPs MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BMPs FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE AS SOON AS IT IS SAFE TO DO SO.
4. PERIMETER SEDIMENT CONTROL BMPs SHALL BE INSTALLED IMMEDIATELY AFTER THE AREA TO BE GRADED IS BRUSHED OR CLEARED, BUT PRIOR TO THE START OF GRADING OPERATIONS.
5. EROSION CONTROL BMPs USED FOR SLOPE STABILIZATION SHALL BE INSTALLED AS SOON AS THE FINISHED SLOPES ARE COMPLETE.
6. A PERIMETER BMP INSPECTION IS REQUIRED ON THE FIRST DAY OF GRADING
7. WHERE AN EXISTING STORMWATER CONVEYANCE CROSSES OVER A PLANNED SECONDARY SERVICE ROAD, THE ROAD SHALL BE GRADED AND MAINTAINED AS A FORD.
8. RIP RAP SHALL BE PLACED AT ALL LOCATIONS WHERE ONE DRAINAGE FEATURE (SUCH AS A DITCH OR A SWALE) DRAINS INTO A LARGER DRAINAGE FEATURE.
9. DIP SECTIONS SHALL BE COMPOSED OF 6" OF REINFORCED STRUCTURAL CONCRETE SLABS, WHICH SHALL BE DESIGNED TO WITHSTAND AND CONVEY HUNDRED (100) YEAR FREQUENCY STORM.
10. ALL SURFACES THAT ARE NOT IMPROVED ROADS SHOULD BE SEEDED AND REVEGETATED WITH DROUGHT TOLERANT PLANTS.
11. INFORMATION REGARDING DIRECTION OF LOT DRAINAGE CAN BE FOUND ON SHEETS C-301 & C-302.

VICINITY MAP



PROPERTY OWNER INFORMATION

NAME:	TRUSTEE OF THE BROWN & REYNOLDS TRUST CO-TRUSTEES OF THE BROWN FAMILY TRUST
ADDRESS:	1116 W. 7th Street PMB 158
CITY:	COLUMBIA
STATE:	TN
ZIP:	38401
PHONE:	(619) 440-7424
APN# 's	658-090-31-00,658-090-55-00, 658-120-02-00,658-120-03-00, 658-090-54-00

SIGHT DISTANCE:

"Physically, there is a minimum unobstructed sight distance in both directions along Tierra del Sol Road from the proposed access points, for the prevailing operating speed of traffic on Tierra del Sol Road" per Section 6.1 table 5 of the County Public Road Standards (approved March 2012)."

"The lines of sight fall within the existing right-of-way and a clear space easement is not required."

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CONTACT INFORMATION

NAME: PAT BROWN
ADDRESS: 4250 EXECUTIVE SQUARE, SUITE 770
LA JOLLA, CA
TELEPHONE NUMBER: (858)652-4423
(24 HOUR CONTACT NUMBER)
SITE A.P.N. NUMBER: 658-090-31-00,658-090-55-00, 658-120-02-00,658-120-03-00, 658-090-54-00
SITE ADDRESS: 796 Tierra Del Sol Road, Boulevard 91905

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:

APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:

OWNER'S SIGNATURE (REQUIRED) DATE:

DISTURBED AREA CALCS

PAD + SLOPES: SF
DRIVEWAY: SF
PRIMARY SEPTIC: SF
FIRE CLEARING: SF
TOTAL: SF
IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT
PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.

NAME: Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
TIERRA DEL SOL SOLAR SYSTEM LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-201	3	1	5

APPROVED
DIRECTOR OF PLANNING AND LAND USE
BY: DATE:

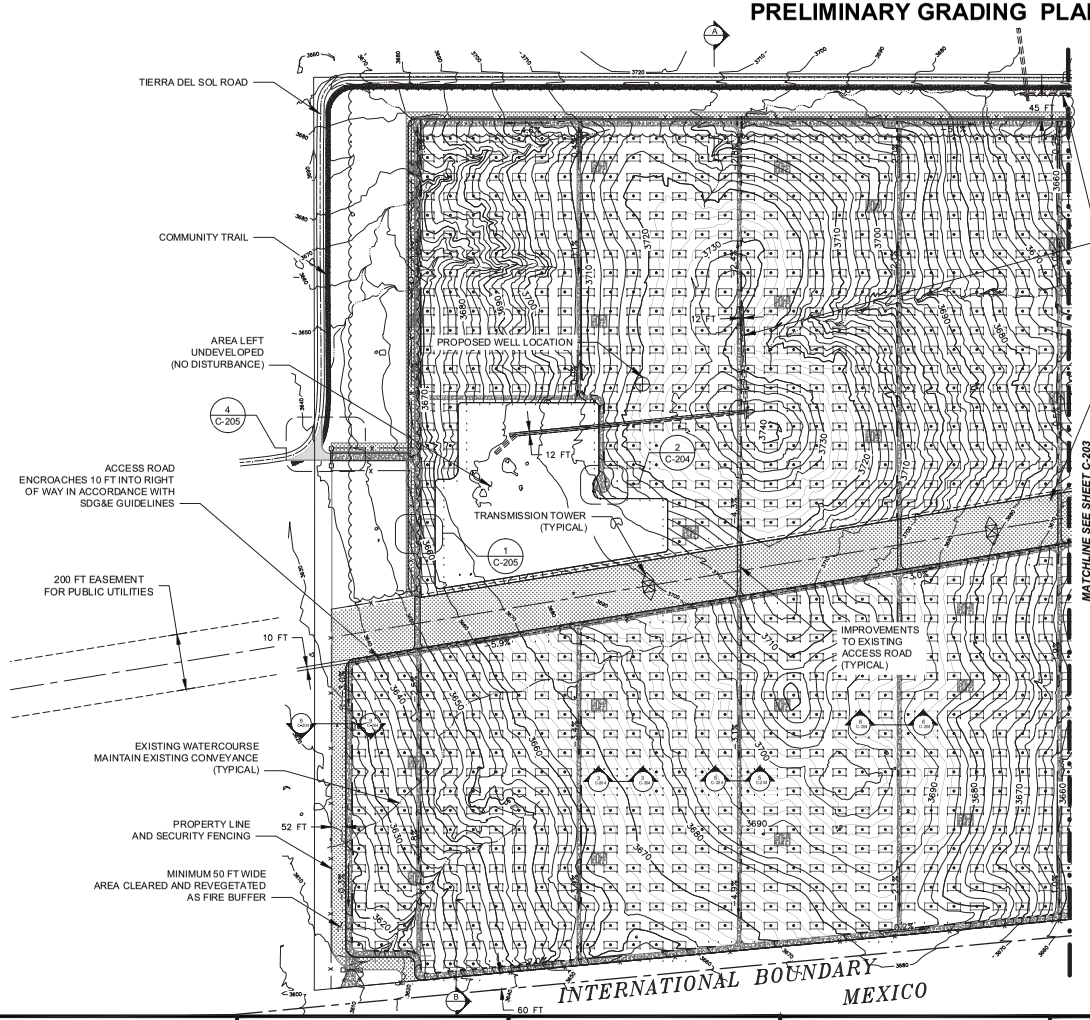
GRADING PERMIT NUMBER:

PRELIMINARY

SDC PDS RCVD 12-15-14
3300-12-010

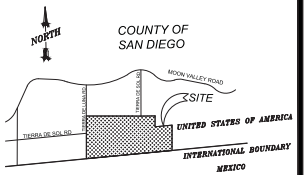
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PRELIMINARY GRADING PLAN



ENGINEERING SCALE: 1"=200'
0 200' 400'

VICINITY MAP



GRADING LEGEND

SECURITY FENCING — X — X —

WATERCOURSE:

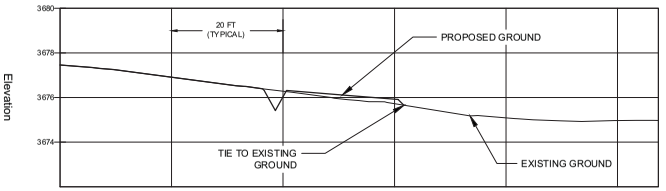
EXISTING CONTOUR: 275

PROPOSED CONTOUR: 275

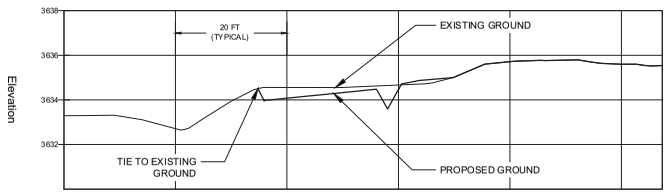
EXTENT OF GRADING:

SURFACING FOR PRIMARY ROAD AND SPECIAL FUEL MOD ZONE

SURFACE TO BE CLEARED AND REVEGETATED FOR FIRE CLEARING



A | CROSS SECTION
1:10 SCALE



B | CROSS SECTION
1:10 SCALE

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
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858.947.7144 tel 858.947.7145 fax
www.aecom.com

PROPERTY OWNER INFORMATION

NAME: TRUSTEE OF THE BROWN & REYNOLDS TRUST CO-TRUSTEES OF THE BROWN FAMILY TRUST
ADDRESS: 1116 W. 7th Street PMB 158
Columbia, TN 38401
TELEPHONE NUMBER (24 HOUR CONTACT NUMBER): (619)440-7424
658-090-31-00,658-090-55-00, 658-120-02-00,658-120-03-00,
SITE A.P.N. NUMBER: 658-090-54-00
SITE ADDRESS: 796 Tierra Del Sol Road, Boulevard 91905

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I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:

OWNER'S SIGNATURE (REQUIRED) DATE:

DISTURBED AREA CALCS

PAD + SLOPES:	1,345,313	SF
DRIVEWAY:	15,145	SF
COMMUNITY TRAIL:	43,550	SF
FIRE CLEARING:	15,625,095	SF
TOTAL:	17,029,103	SF

IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:

PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.

NAME: Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
TIERRA DEL SOL SOLAR LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-202	3	2	6

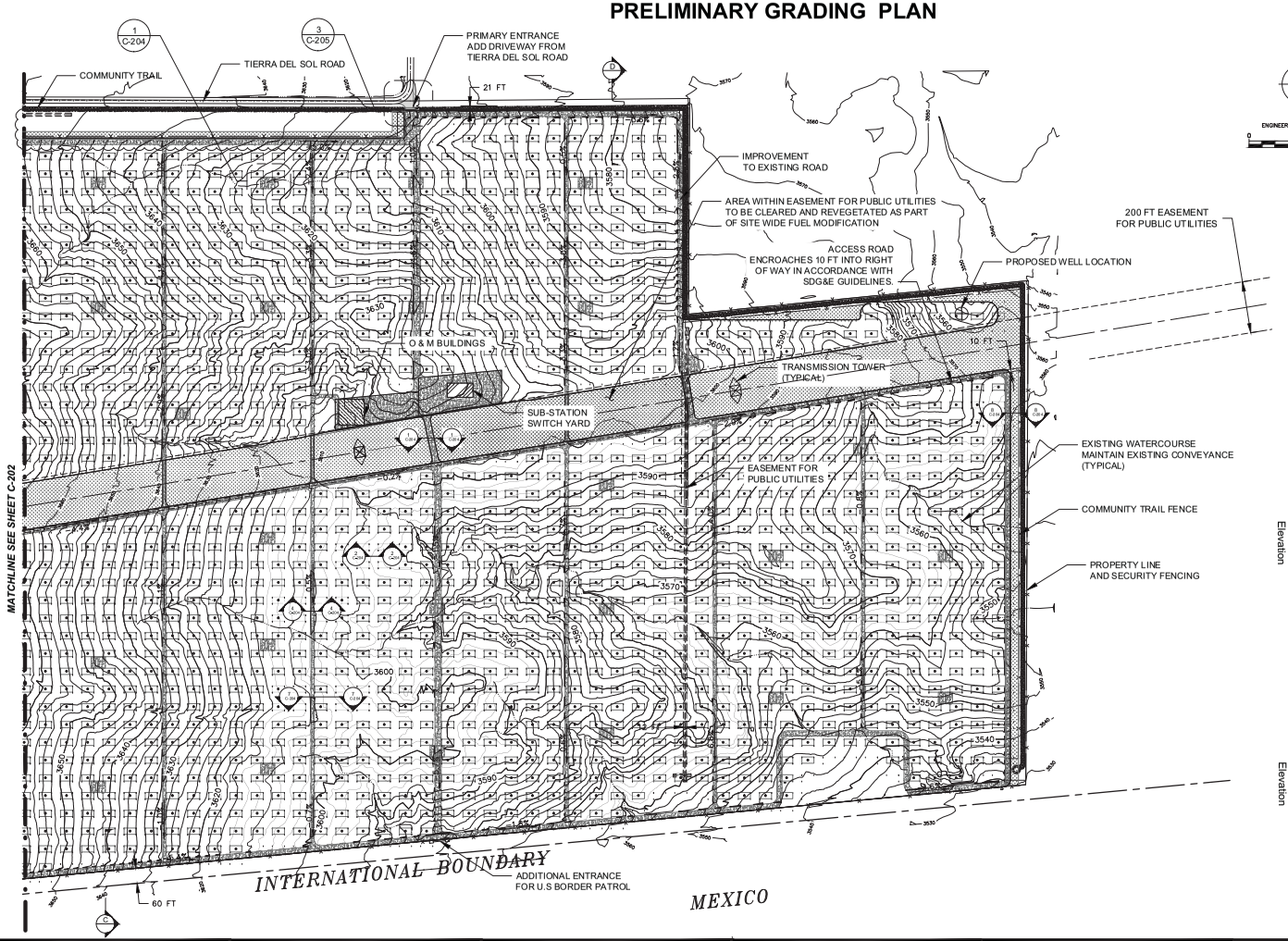
APPROVED DIRECTOR OF PLANNING AND LAND USE
BY: DATE:

GRADING PERMIT NUMBER:

PRELIMINARY

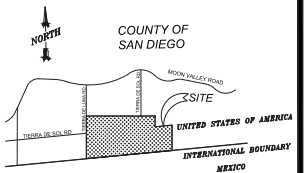
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PRELIMINARY GRADING PLAN



ENGINEERING SCALE: 1"=200'
0 200' 400'

VICINITY MAP



GRADING LEGEND

SECURITY FENCING — X — X —

WATERCOURSE:

EXISTING CONTOUR: 275

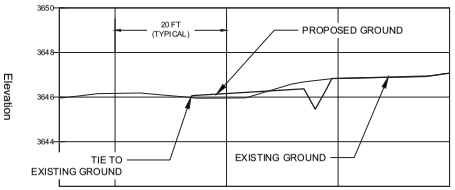
PROPOSED CONTOUR: 275

EXTENT OF GRADING:

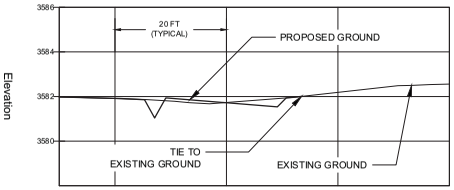
GATE:

SURFACING FOR PRIMARY ROAD AND SPECIAL FUEL MOD ZONE (GRAVEL)

SURFACE TO BE CLEARED AND REVEGETATED FOR FIRE CLEARING



C | CROSS SECTION
1:10 SCALE



D | CROSS SECTION
1:10 SCALE

CLIENT

Soitec

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AECOM

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(24 HOUR CONTACT NUMBER) 658-090-31-00,658-090-55-00, 658-120-02-00,658-120-03-00,

SITE A.P.N. NUMBER: 658-090-54-00

SITE ADDRESS: 796 Tierra Del Sol Road, Boulevard 91905

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TOTAL:	17,029,103	SF

IF ≥1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT
PLAN CHECK NUMBER:

PARCEL MAP NUMBER:

ENGINEER OF WORK

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NAME: Savas E. Kolankaya DATE:

RCE NO: C 43628 EXPIRES: 12/31/14

TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
TIERRA DEL SOL SOLAR LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-203	3	3	6

APPROVED
DIRECTOR OF PLANNING AND LAND USE

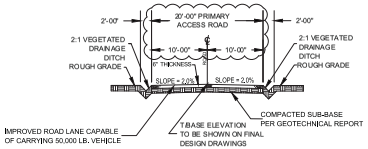
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GRADING PERMIT NUMBER:

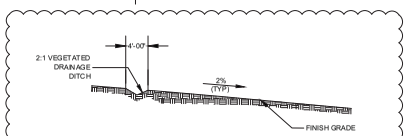
PRELIMINARY

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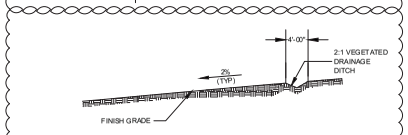
DETAILS



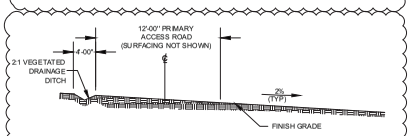
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PRIMARY ACCESS ROAD NTS



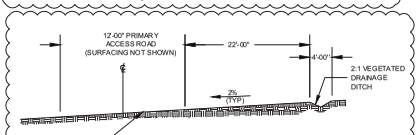
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SERVICE ROAD NTS



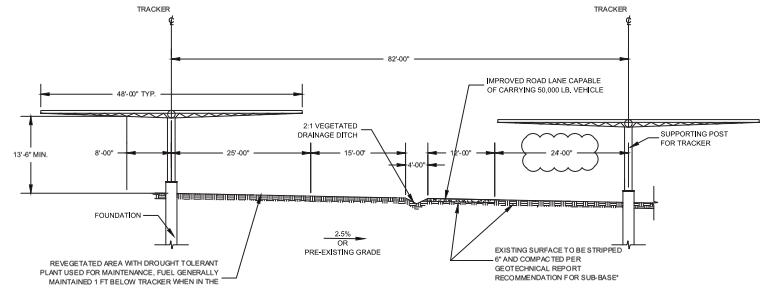
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SERVICE ROAD NTS



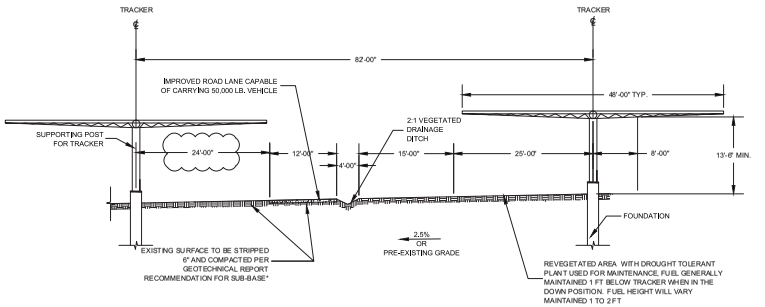
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SECONDARY ACCESS ROAD NTS



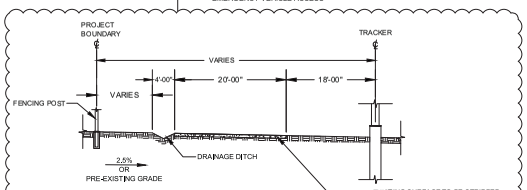
5 TYPICAL CROSS SECTION
SECONDARY ACCESS ROAD NTS



6 TYPICAL CROSS SECTION
EMERGENCY VEHICLE ACCESS NTS

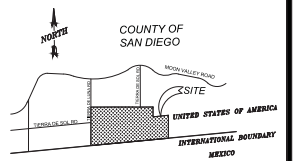


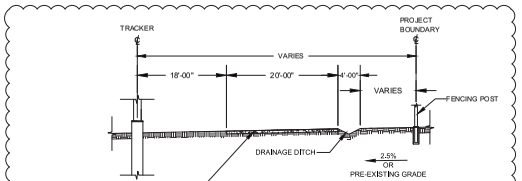
7 TYPICAL CROSS SECTION
EMERGENCY VEHICLE ACCESS NTS



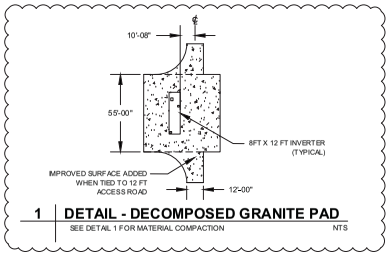
8 TYPICAL CROSS SECTION
SEE NOTE 19. ON C-201
COMMUNITY TRAIL NOT SHOWN NTS

VICINITY MAP

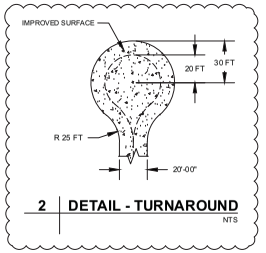




9 TYPICAL CROSS SECTION
SEE NOTE 19. ON C-200 NTS



1 DETAIL - DECOMPOSED GRANITE PAD
SEE DETAIL 1 FOR MATERIAL COMPACTION NTS



2 DETAIL - TURNAROUND
NTS

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

AECOM
AECOM TECHINCAL SERVICES, INC
440 Stevens Avenue, Suite 250
Solana Beach, CA 98075
858.947.7144 tel 858.947.7145 fax
www.aecom.com

CONTACT INFORMATION

NAME: PAT BROWN
ADDRESS: 4250 EXECUTIVE SQUARE, SUITE 770
LA JOLLA, CA
TELEPHONE NUMBER: (858)652-4423
(24 HOUR CONTACT NUMBER) 658-090-31-00, 658-090-55-00, 658-120-02-00, 658-120-03-00, 658-090-54-00
SITE A.P.N. NUMBER:
SITE ADDRESS: 796 Tierra Del Sol Road, Boulevard 91905

GRADING ON ADJACENT PARCELS

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:
APN(s):

PROPERTY OWNER CERTIFICATION

I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:

OWNER'S SIGNATURE (REQUIRED) DATE:

DISTURBED AREA CALCS

PAD + SLOPES: SF
DRIVEWAY: SF
PRIMARY SEPTIC: SF
FIRE CLEARING: SF
TOTAL: SF
IF ≥ 1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.
NAME: Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
TIERRA DEL SOL SOLAR SYSTEM LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-204	1	4	6

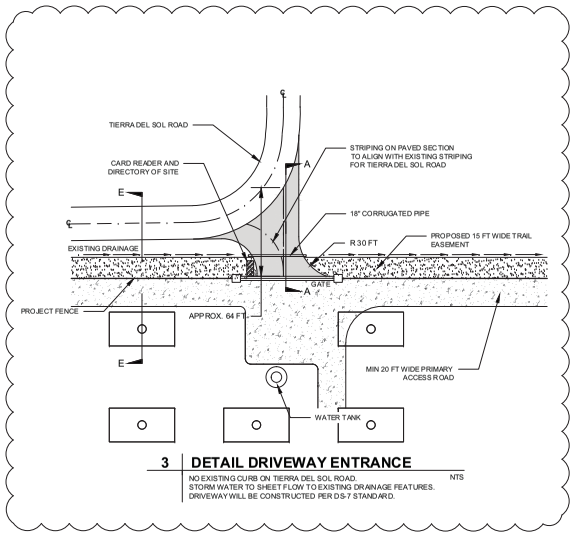
APPROVED
DIRECTOR OF PLANNING AND LAND USE
BY: DATE:

GRADING PERMIT NUMBER:

PRELIMINARY

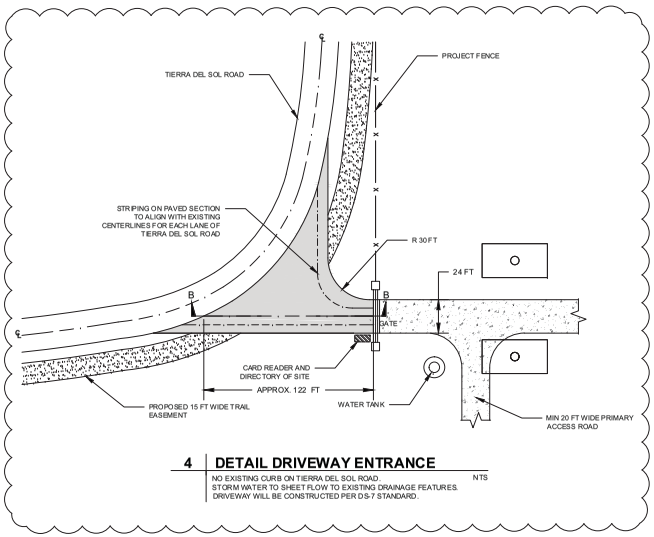
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DETAILS



3 DETAIL DRIVEWAY ENTRANCE NTS

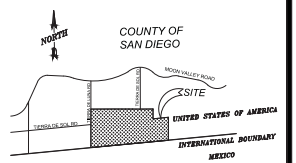
NO EXISTING CURB ON TIERRA DEL SOL ROAD.
STORM WATER TO SHEET FLOW TO EXISTING DRAINAGE FEATURES.
DRIVEWAY WILL BE CONSTRUCTED PER D-5-7 STANDARD.

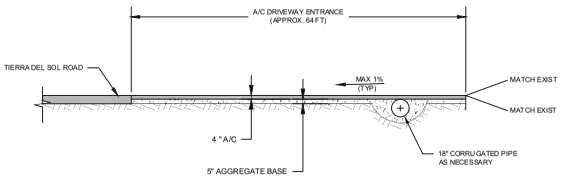


4 DETAIL DRIVEWAY ENTRANCE NTS

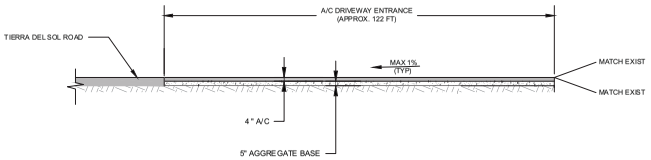
NO EXISTING CURB ON TIERRA DEL SOL ROAD.
STORM WATER TO SHEET FLOW TO EXISTING DRAINAGE FEATURES.
DRIVEWAY WILL BE CONSTRUCTED PER D-5-7 STANDARD.

VICINITY MAP





A TYPICAL CROSS SECTION NTS



B TYPICAL CROSS SECTION NTS

SIGHT DISTANCE:

"Physically, there is a minimum unobstructed sight distance in both directions along Tierra del Sol Road from the proposed access points, for the prevailing operating speed of traffic on Tierra del Sol Road" per Section 6.1 table 5 of the County Public Road Standards (approved March 2012)."

"The lines of sight fall within the existing right-of-way and a clear space easement is not required."

CLIENT

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PAD + SLOPES: SF
DRIVEWAY: SF
PRIMARY SEPTIC: SF
FIRE CLEARING: SF
TOTAL: SF
IF ≥ 1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

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NAME: Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
TIERRA DEL SOL SOLAR SYSTEM LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-205	1	5	6

APPROVED DIRECTOR OF PLANNING AND LAND USE
BY: DATE:

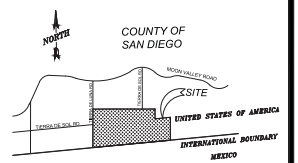
GRADING PERMIT NUMBER:

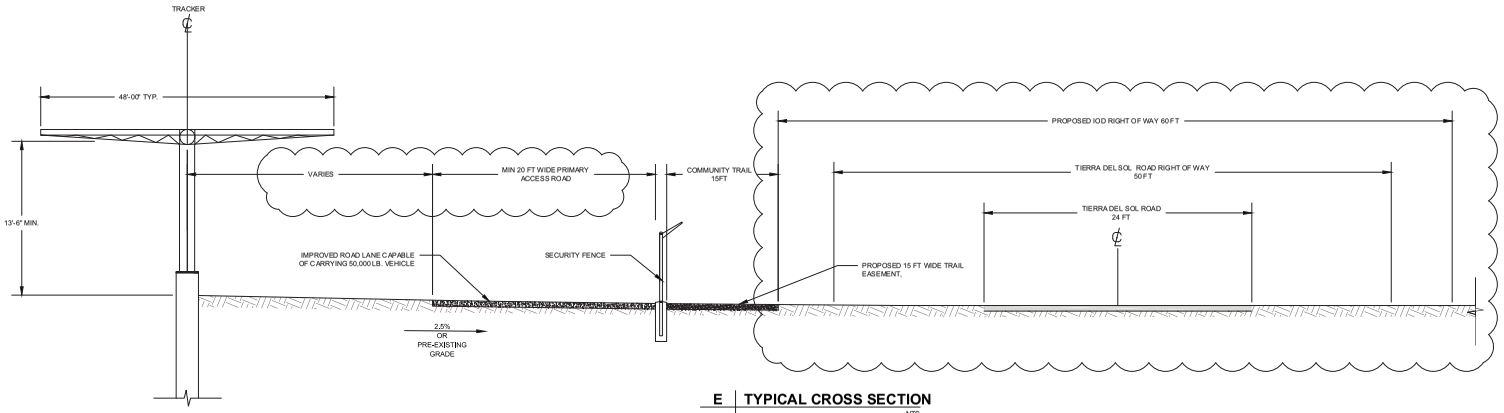
PRELIMINARY

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DETAILS

VICINITY MAP





E | TYPICAL CROSS SECTION
NTS

CLIENT

Soitec

Soitec Solar Development, LLC
4250 Executive Square, Suite 770
San Diego, CA 92037-9178

AECOM

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CONTACT INFORMATION

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(24 HOUR CONTACT NUMBER) 658-090-31-00, 658-090-55-00, 658-120-02-00, 658-120-03-00, 658-090-54-00
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PAD + SLOPES: SF
DRIVEWAY: SF
PRIMARY SEPTIC: SF
FIRE CLEARING: SF
TOTAL: SF
IF ≥ 1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT PLAN CHECK NUMBER:
PARCEL MAP NUMBER:

ENGINEER OF WORK

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NAME: Savas E. Kolankaya DATE:
RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:
TIERRA DEL SOL SOLAR SYSTEM LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-206	1	6	6

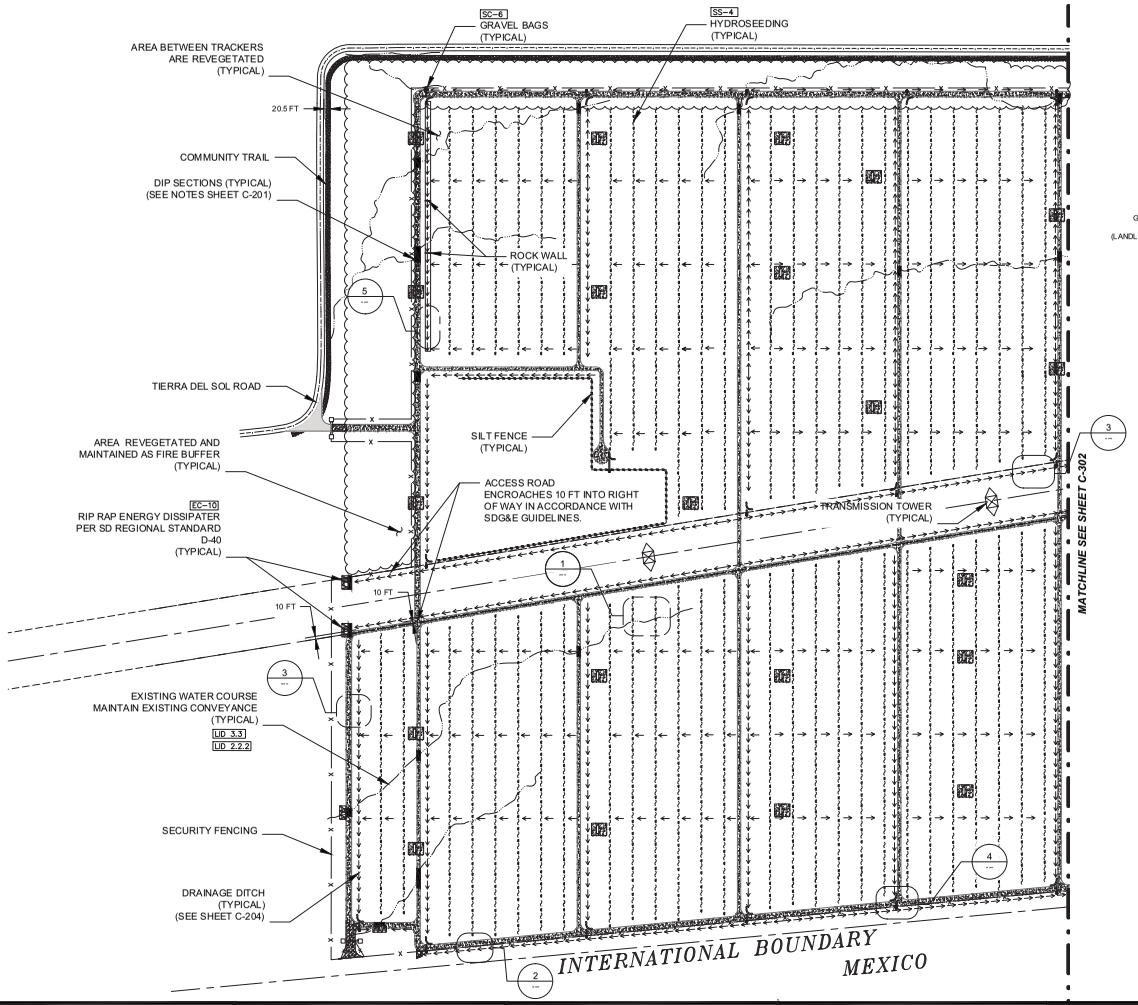
APPROVED
DIRECTOR OF PLANNING AND LAND USE
BY: DATE:

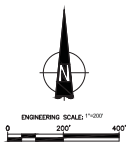
GRADING PERMIT NUMBER:

PRELIMINARY

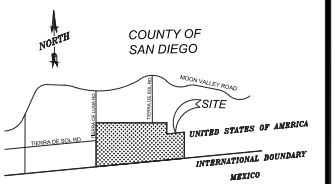
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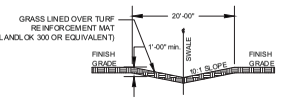
PRELIMINARY DRAINAGE AND BMP PLAN



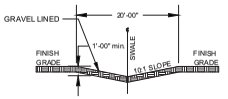


VICINITY MAP

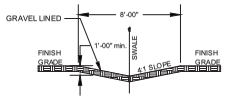




1 DETAIL - VEGETATED SWALE
TYPICAL FOR MAINTAINING EXISTING WATERCOURSE NTS



2 DETAIL - VEGETATED SWALE
TYPICAL FOR MAINTAINING EXISTING WATERCOURSE NTS



3 DETAIL - VEGETATED SWALE
TYPICAL FOR MAINTAINING EXISTING WATERCOURSE NTS

LEGEND

SECURITY FENCING — X — X — X

EXISTING WATERCOURSE

SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS

ASPHALT CONCRETE PAVING

COMMUNITY TRAIL

GATE:

BMP LEGEND

DIRECTION OF LOT DRAINAGE

TEMPORARY RUNOFF CONTROL BMPs

SS-4 HYDROSEEDING (SUMMER) TSP TSP

SS-10 ENERGY DISSIPATOR

SC-1 SILT FENCE

SC-6 / SC-8 GRAVEL OR SAND BAGS

PERMANENT BMPs

SD-10 PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE

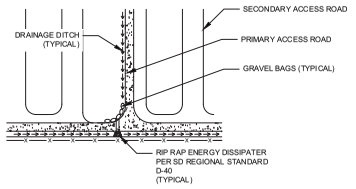
EC-10 OUTLET PROTECTION

LOW IMPACT DEVELOPMENT BMPs

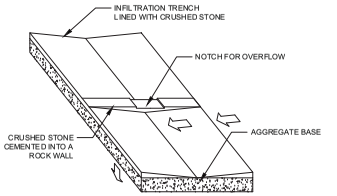
LID 2.2.2 MINIMIZE DISTURBANCES TO NATURAL DRAINAGES

LID 2.2.4 MINIMIZE SOIL COMPACTION

LID 3.3 ROAD DESIGN FOR DEVELOPMENTS



4 DETAIL - DIFFUSER
NTS



5 DETAIL - INFILTRATION TRENCH
NOTE 1: TRENCH FOR SETTLEMENT AND INFILTRATION NTS
NOTE 2: DIMENSIONS FOR TRENCH VARY

CLIENT

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CONTACT INFORMATION

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658-090-54-00

SITE A.P.N. NUMBER:

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APN(s):

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I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:

OWNER'S SIGNATURE (REQUIRED): DATE:

DISTURBED AREA CALCS

PAD + SLOPES:	1,345,313	SF
DRIVEWAY:	15,145	SF
COMMUNITY TRAIL:	43,550	SF
FIRE CLEARING:	15,625,095	SF
TOTAL:	17,029,103	SF

IF ≥ 1 AC, PROVIDE WDID# :

PLAN CHECK/PERMITS

BUILDING PERMIT
PLAN CHECK NUMBER:

PARCEL MAP NUMBER:

ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.

NAME: Savas E. Kolankaya DATE:

RCE NO: C 43628 EXPIRES: 12/31/14

TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY DRAINAGE PLAN FOR:
TIERRA DEL SOL SOLAR SYSTEM LLC

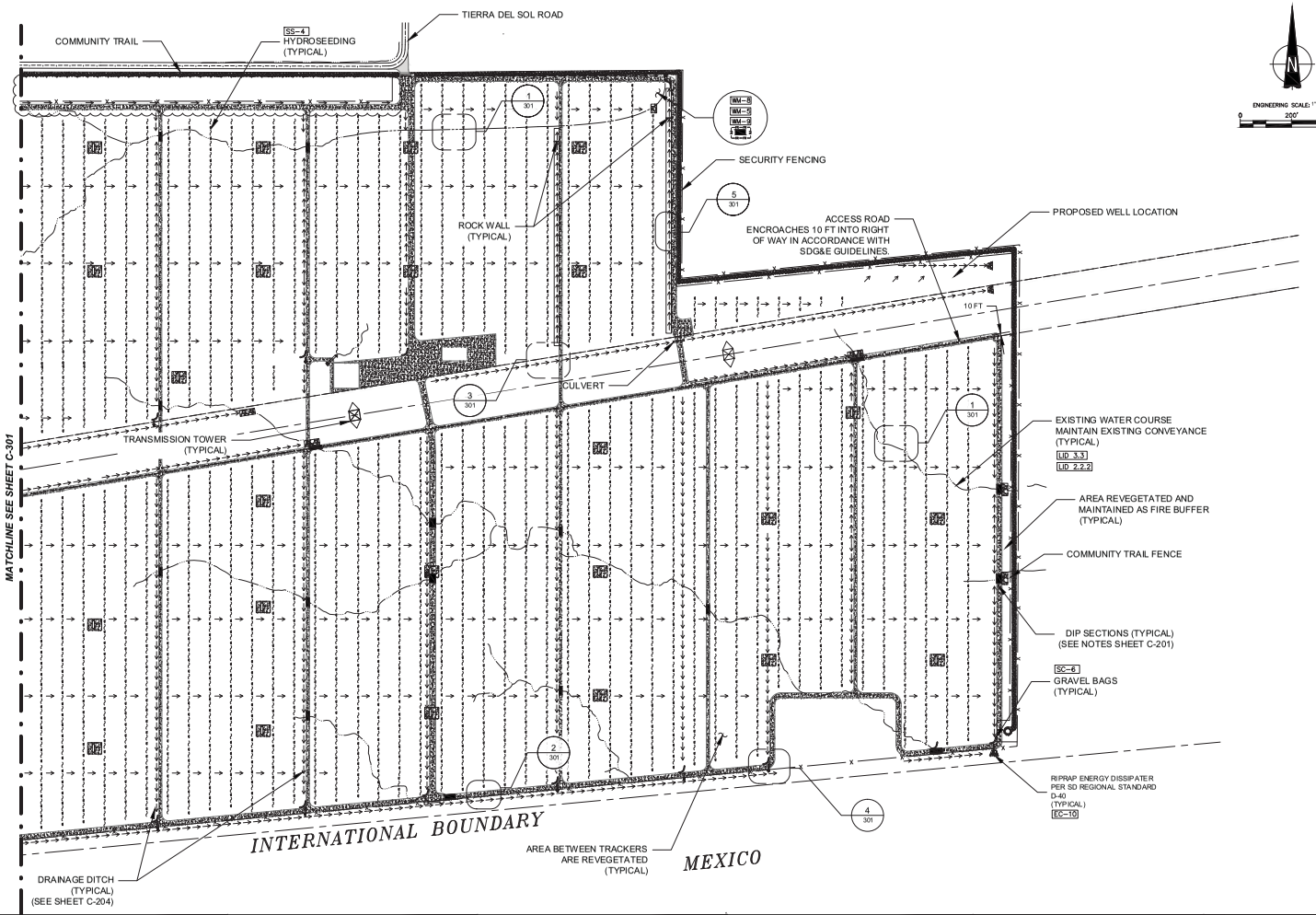
SHEET NUMBER	REV:	SHEET:	OF SHEETS:
C-301	2	1	2

APPROVED
DIRECTOR OF PLANNING AND LAND USE

BY: DATE:

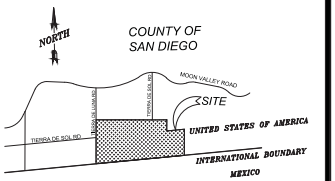
GRADING PERMIT NUMBER:

PRELIMINARY DRAINAGE AND BMP PLAN



ENGINEERING SCALE: 1"=200'
0 200' 400'

VICINITY MAP



LEGEND

SECURITY FENCING
EXISTING WATERCOURSE
NEW WATERCOURSE
SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS (GRAVEL PAVING)
ASPHALT CONCRETE PAVING
COMMUNITY TRAIL
GATE:

BMP LEGEND

DIRECTION OF LOT DRAINAGE

MATERIALS & WASTE MANAGEMENT CONTROL BMPs

- WM-8 PORTABLE CONCRETE WASTE MANAGEMENT
- WM-5 SOLID WASTE MANAGEMENT
- WM-9 SANITARY WASTE MANAGEMENT

TEMPORARY RUNOFF CONTROL BMPs

- SS-4 HYDROSEEDING (SUMMER) TSP TSP
- SS-10 ENERGY DISSIPATOR
- SC-1 SILT FENCE
- SC-6 / SC-8 GRAVEL OR SAND BAGS
- TC-1 STABILIZED CONSTRUCTION ENTRANCE

PERMANENT BMPs

- SD-10 PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE
- EC-10 OUTLET PROTECTION

LOW IMPACT DEVELOPMENT BMPs

- LID 2.2.2 MINIMIZE DISTURBANCES TO NATURAL DRAINAGES
- LID 2.2.4 MINIMIZE SOIL COMPACTION
- LID 3.3 ROAD DESIGN FOR DEVELOPMENTS

CLIENT

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RCE NO: C 43628 EXPIRES: 12/31/14
TELEPHONE NUMBER: (510) 260-6544

PRIVATE CONTRACT

COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY DRAINAGE PLAN FOR:
TIERRA DEL SOL SOLAR SYSTEM LLC

SHEET NUMBER	REV.	SHEET:	OF SHEETS:
C-302	2	2	2

APPROVED DIRECTOR OF PLANNING AND LAND USE
BY: DATE:
GRADING PERMIT NUMBER: