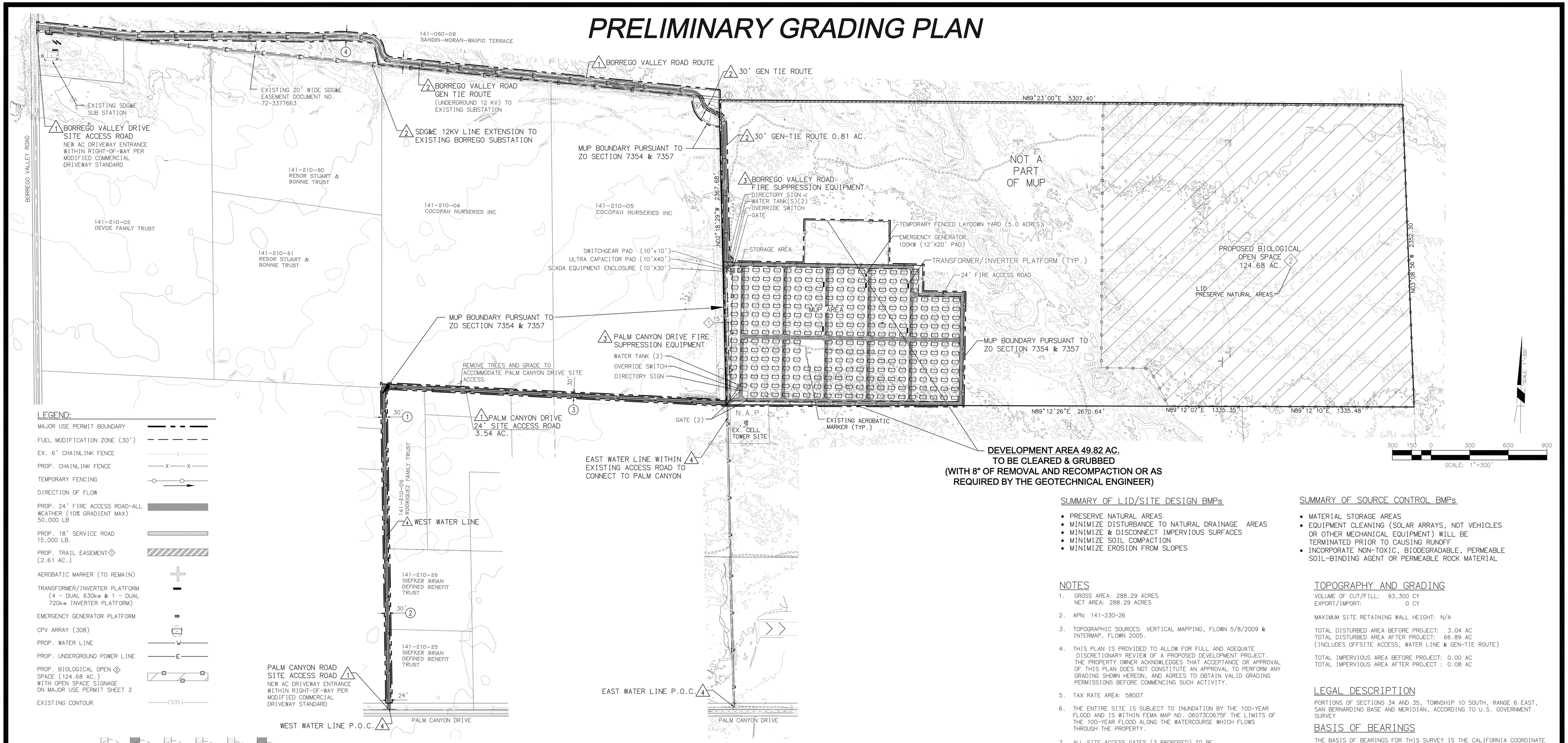
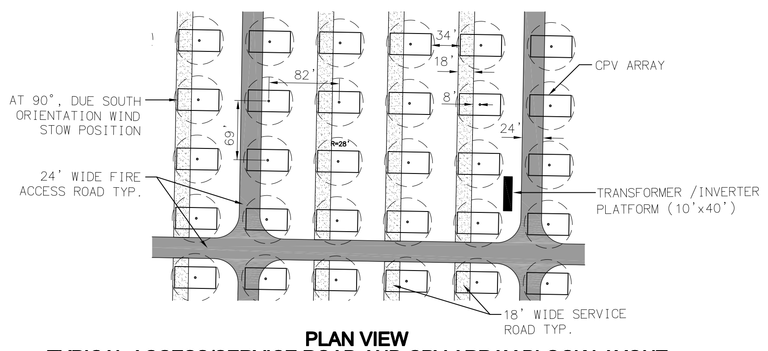
PRELIMINARY GRADING PLAN



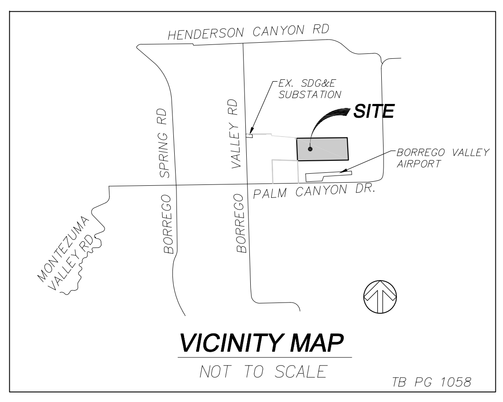
LEGEND:

- MAJOR USE PERMIT BOUNDARY
- FUEL MODIFICATION ZONE (30')
- EX. 6' CHAINLINK FENCE
- PROP. CHAINLINK FENCE
- TEMPORARY FENCING
- DIRECTION OF FLOW
- PROP. 24' FIRE ACCESS ROAD-ALL WEATHER (10% GRADIENT MAX) 50,000 LB
- PROP. 18' SERVICE ROAD 15,000 LB.
- PROP. TRAIL EASEMENT (2.61 AC.)
- AEROBATIC MARKER (TO REMAIN)
- TRANSFORMER/INVERTER PLATFORM (4 - DUAL 630kw & 1 - DUAL 720kw INVERTER PLATFORM)
- EMERGENCY GENERATOR PLATFORM
- CPV ARRAY (308)
- PROP. WATER LINE
- PROP. UNDERGROUND POWER LINE
- PROP. BIOLOGICAL OPEN SPACE (124.68 AC.) WITH OPEN SPACE SIGNAGE ON MAJOR USE PERMIT SHEET 3
- EXISTING CONTOUR

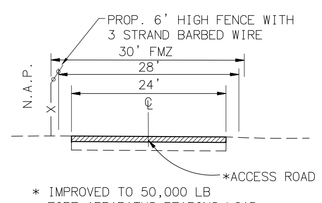
1. ACCESS - SEE SHEET 1 FOR NOTE.
2. GEN TIE - SEE SHEET 1 FOR NOTE.
3. FIRE SUPPRESSION FACILITIES AND EQUIPMENT - SEE SHEET 1 FOR NOTE.
4. WATERLINE - SEE SHEET 1 FOR NOTE.



PLAN VIEW
TYPICAL ACCESS/SERVICE ROAD AND CPV ARRAY BLOCK LAYOUT
N.T.S.

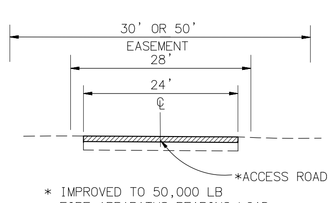


VICINITY MAP
NOT TO SCALE
TB PG 1058



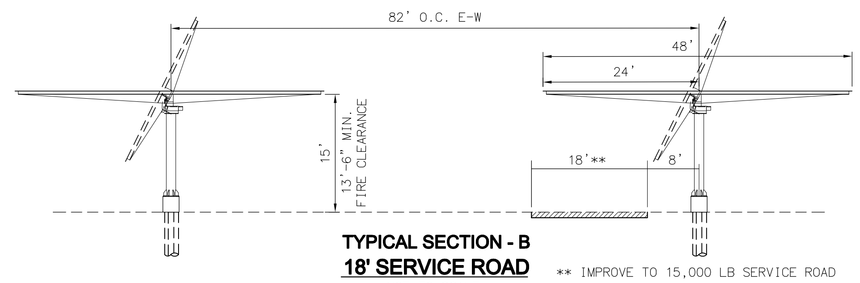
* IMPROVED TO 50,000 LB FIRE APPARATUS BEARING LOAD

TYPICAL SECTION
24' PERIMETER ACCESS ROAD
NOT TO SCALE
TYPICAL LOCATION UNLESS SHOWN OTHERWISE ON SITE PLAN

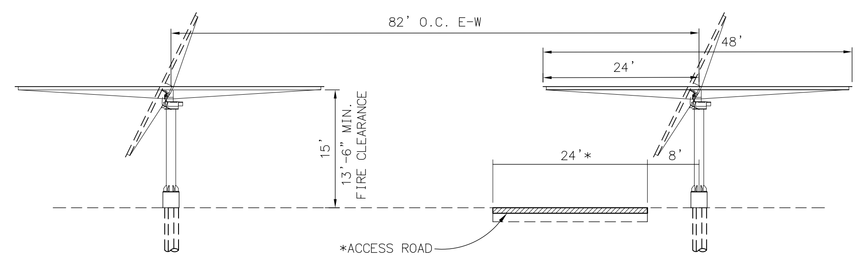


* IMPROVED TO 50,000 LB FIRE APPARATUS BEARING LOAD

TYPICAL SECTION
(PALM CANYON / BORREGO VALLEY ROAD)
PRIMARY ACCESS ROAD / EASEMENT
NOT TO SCALE



TYPICAL SECTION - B
18' SERVICE ROAD
NOT TO SCALE
** IMPROVE TO 15,000 LB SERVICE ROAD



* IMPROVED TO 50,000 LB FIRE APPARATUS BEARING LOAD

TYPICAL SECTION - A
24' INTERIOR ACCESS ROAD (FIRE)
NOT TO SCALE

SUMMARY OF LID/SITE DESIGN BMPs

- PRESERVE NATURAL AREAS
- MINIMIZE DISTURBANCE TO NATURAL DRAINAGE AREAS
- MINIMIZE & DISCONNECT IMPERVIOUS SURFACES
- MINIMIZE SOIL COMPACTION
- MINIMIZE EROSION FROM SLOPES

SUMMARY OF SOURCE CONTROL BMPs

- MATERIAL STORAGE AREAS
- EQUIPMENT CLEANING (SOLAR ARRAYS, NOT VEHICLES OR OTHER MECHANICAL EQUIPMENT) WILL BE TERMINATED PRIOR TO CAUSING RUNOFF
- INCORPORATE NON-TOXIC, BIODEGRADABLE, PERMEABLE SOIL-BINDING AGENT OR PERMEABLE ROCK MATERIAL

NOTES

1. GROSS AREA: 288.29 ACRES
   NET AREA: 288.29 ACRES
2. APN: 141-230-26
3. TOPOGRAPHIC SOURCES: VERTICAL MAPPING, FLOWN 5/8/2009 & INTERMAP, FLOWN 2005.
4. 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 PERMISSIONS BEFORE COMMENCING SUCH ACTIVITY.
5. TAX RATE AREA: 58007
6. THE ENTIRE SITE IS SUBJECT TO INUNDATION BY THE 100-YEAR FLOOD AND IS WITHIN FEMA MAP NO. 06073C0675F THE LIMITS OF THE 100-YEAR FLOOD ALONG THE WATERCOURSE WHICH FLOWS THROUGH THE PROPERTY.
7. ALL SITE ACCESS GATES (3 PROPOSED) TO BE EQUIPPED WITH KNOX KEY-OPERATED SWITCH.
8. PROPOSED SLOPE RATIOS: NOT GREATER THAN 1.5 TO 1 ON CUT SLOPE
   NOT GREATER THAN 2 TO 1 ON FILL SLOPE
9. LIGHTING FOR MAINTENANCE AND SECURITY PROPOSES ONLY. SHIELDED LIGHTING LOCATED AT GATES, ENTRANCES AND STORAGE BUILDING AND SHALL CONFORM TO COUNTY OF SAN DIEGO OUTDOOR LIGHTING REQUIREMENTS.
10. ALL DISTURBED AREAS WOULD BE COVERED WITH GRAVEL OR A BINDING AGENT TO REDUCE DUST.
11. THE ENTIRETY OF THE PARCEL ENCUMBERED BY MUP 09-012 (APN 141-230-26-00) IS SUBJECT TO THE RESTRICTIONS AND TERMS OF A COUNTY AVIATION EASEMENT.
12. ALL UNDERGROUND CABLE DEPTHS SHALL BE A MINIMUM DEPTH OF 42".

PROPOSED EASEMENTS

	DESCRIPTION
1	15' TRAIL EASEMENT
2	OPEN BIOLOGICAL SPACE EASEMENT (SHT. 1)

EXISTING EASEMENTS*

	DESCRIPTION	DISPOSITION
3	SDG&E EASEMENT	TO REMAIN
6	ACCESS & UTILITY EASEMENT (200' RADIUS)	TO REMAIN

○ BASED ON DATA FROM PRELIMINARY TITLE REPORT BY FIDELITY NATIONAL TITLE COMPANY, ORDER NO. 11-725137943-D-PP, DATED MAY 16, 2012.

RECORDED EASEMENTS

	DESCRIPTION
1	30' PRIVATE ACCESS & UTILITY EASEMENT 2012-0235574
2	30' PRIVATE ACCESS & UTILITY EASEMENT 2012-235573
3	30' PRIVATE ACCESS & UTILITY EASEMENT 2012-0282029
4	50' PRIVATE ACCESS & UTILITY EASEMENT 2013-0127421

TOPOGRAPHY AND GRADING

VOLUME OF CUT/FILL: 93,300 CY
EXPORT/IMPORT: 0 CY

MAXIMUM SITE RETAINING WALL HEIGHT: N/A

TOTAL DISTURBED AREA BEFORE PROJECT: 3.04 AC
TOTAL DISTURBED AREA AFTER PROJECT: 66.89 AC
(INCLUDES OFFSITE ACCESS, WATER LINE & GEN-TIE ROUTE)

TOTAL IMPERVIOUS AREA BEFORE PROJECT: 0.00 AC
TOTAL IMPERVIOUS AREA AFTER PROJECT : 0.08 AC

LEGAL DESCRIPTION

PORTIONS OF SECTIONS 34 AND 35, TOWNSHIP 10 SOUTH, RANGE 6 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO U.S. GOVERNMENT SURVEY

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (NAD83) ZONE 6,AS DETERMINED BY THE LINE BETWEEN NATIONAL GEODETIC SURVEY (NGS) STATIONS '13 AAR ECC' AND 'BOR 12' WITH A BEARING OF N42°35'10"W.

BENCHMARK

NGS STATION BOR 9, A 4" BRASS DISK IN 6" CONCRETE BASE 4.5' SOUTHEAST OF POWER POLE #319 AND 30' NORTHEAST OF THE EDGE OF BORREGO VALLEY

ROAD. ELEVATION = 521.86 DATUM: NAVD88

APPLICANT

DESERT GREEN SOLAR FARM LLC
c/o CLARK CRAWFORD, ATTORNEY-IN-FACT
16650 VIA ESPRILLO
SAN DIEGO, CA 92127
CONTACT: PATRICK BROWN
(619) 733-2649

ENGINEER / PLANNING

RBF CONSULTING
TRUDI LIM
9755 CLAIREMONT MESA BLVD.
SUITE 100
SAN DIEGO, CA 92124
(858) 614-5000

ENGINEER OF WORK

TRUDI LIM, R.C.E. 61213 DATE 2/22/2013
EXP. 6-30-2013

REGISTERED PROFESSIONAL ENGINEER TRUDI LIM No. 61213 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA

DESERT GREEN SOLAR FARM
BORREGO SPRINGS, CA

MODIFICATION FOR PLOT PLAN FOR MUP 09-012
(NO CHANGE TO MUP 09-014)
ER NO. 09-05-001A

PRELIMINARY GRADING PLAN

FEBRUARY 22, 2013
SHEET 1 OF 2

RBF CONSULTING
PLANNING ■ DESIGN ■ CONSTRUCTION
9755 CLAIREMONT MESA BOULEVARD, SUITE 100
SAN DIEGO, CALIFORNIA 92124-1324
858.614.5000 • FAX 858.614.5001 • www.RBF.com

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