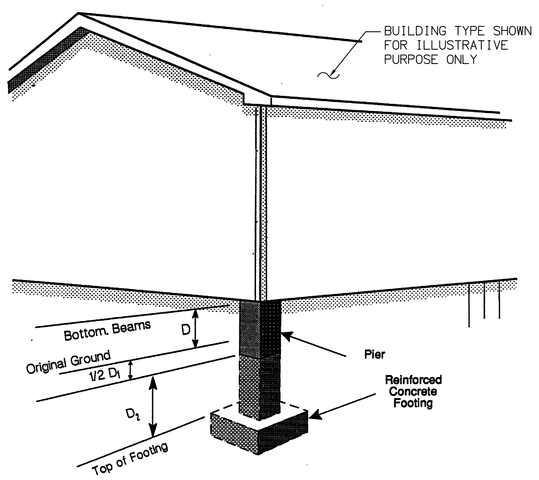
MAJOR USE PERMIT PLOT PLAN

MODIFICATION FOR MUP 09-012



PIER FOUNDATION

Depth of Erosion Protection

Footings for slab foundations must be constructed to a depth below the prevailing ground level as shown in Figure II-1.Sht. 1 The necessary depth of construction for these footings is based on the Borrego Valley Alluvial Fan Map.

The flood depth (D) shown for the particular location is converted to a construction depth (D_1) based on the velocity shown on the map, using the following table:

Velocity (V)	Construction Depth (D_1)
4 Feet/Second	D_1 = D
6 Feet/Second	D_1 = D
8 Feet/Second	D_1 = 1.8 X D
Over 8 Feet/Second	Study Required

Where: D_1 = Depth Below Ground (Feet)
D = Depth Shown on Alluvial Fan Map (Feet)
V = Velocity Shown on Alluvial Fan Map (Feet/Second)

Erosion protection made of rock, gabions, or rip-rap must be installed to the depth D_1.

TYPICAL SECTION FOUNDATION FOOTING OPTIONS TRANSFORMER / INVERTER PLATFORM STORAGE, CABINETS, O&M STRUCTURE

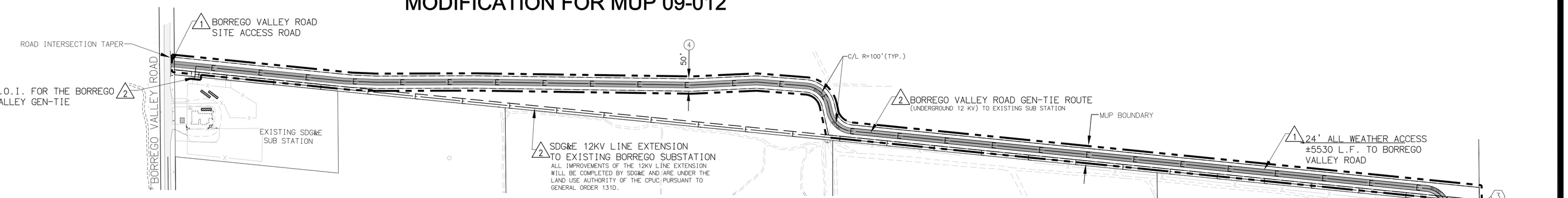
N.T.S.

SOURCE: BORREGO VALLEY FLOOD MANAGEMENT REPORT DATED OCT. 1989

NOTE: A PIER FOUNDATION DESIGN IS SELECTED TO RAISE THE BUILDINGS SO THEY ARE AT LEAST 1' ABOVE THE BASE FLOOD ELEVATION, THEN A CLOMR/LOMR PROCESS IS NOT NEEDED.

D_2 Pier Scour
Depth of Scour (feet)

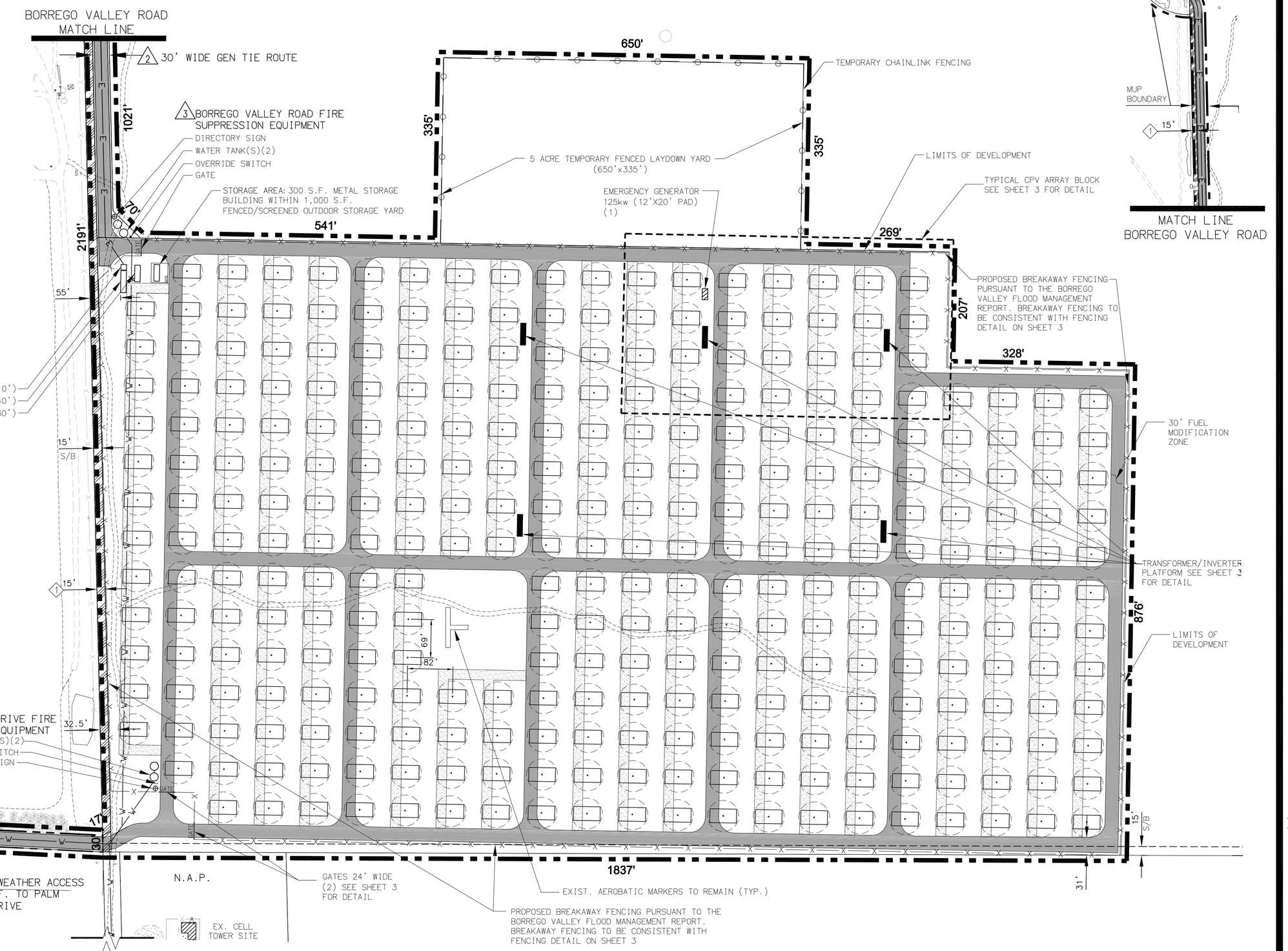
Velocity (fps)	Vertical Member Diameter (Inches)				
	4	6	8	10	12
1	.75	1.00	1.25	1.50	1.75
2	1.00	1.25	1.50	1.75	2.00
4	1.50	1.75	2.00	2.25	2.75
6	1.75	2.00	2.50	2.75	3.25
8	2.00	2.25	2.75	3.25	3.50
10	2.25	2.50	3.00	3.50	4.00
15	2.50	3.00	3.50	4.00	4.50



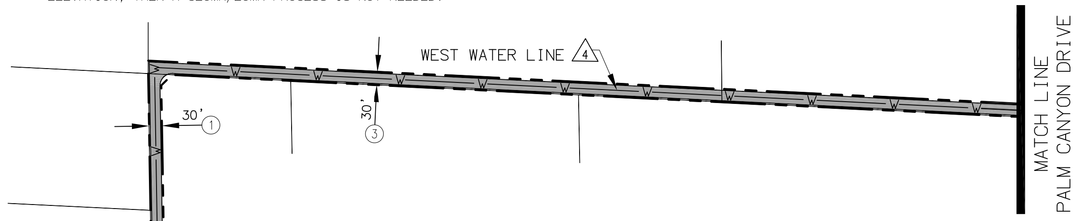
BORREGO VALLEY ROAD PLOT PLAN
SCALE: 1"=200'

LEGEND:

- MAJOR USE PERMIT BOUNDARY
- TAX ASSESSOR BOUNDARY
- LIMITED BUILDING ZONE LINE
- EX. 6' CHAINLINK FENCE
- PROP. 6' CHAINLINK BREAKAWAY FENCE WITH 3 STRAND BARBED WIRE
- TEMPORARY FENCING
- PROP. 24' FIRE ACCESS ROAD-ALL WEATHER (10% GRADIENT MAX) 50,000 LB.
- PROP. 18' SERVICE ROAD 15,000 LB.
- PROP. TRAIL EASEMENT 1
- BUILDING SETBACK LINE (S/B)
- PROP. WATER LINE
- PROP. UNDERGROUND POWER LINE
- TRANSFORMER/INVERTER PLATFORM (4 - DUAL 630kw & 1 - DUAL 720kw INVERTER PLATFORM)
- EMERGENCY GENERATOR PLATFORM
- CPV ARRAY (308)
- PROP. BIOLOGICAL OPEN 2 SPACE (124.68 AC.) WITH OPEN SPACE SIGNAGE SEE DETAIL ON SHEET 3



PLOT PLAN
SCALE: 1"=100'



PROJECT STRUCTURES COVERAGE TABLE

ITEM DESCRIPTION	AREA	UNIT	QUANTITY	TOTAL AREA	UNIT
INVERTER PLATFORM (10'X40')	400	SF	5	2,000	SF
STORAGE STRUCTURE (10'X30')	300	SF	1	300	SF
10,000 GAL. WATER TANK	177	SF	2	354	SF
EMERGENCY GENERATOR (12'X20')	240	SF	1	240	SF
SWITCHGEAR PAD (10'X10')	100	SF	1	100	SF
ULTRA CAPACITOR PAD (10'X40')	400	SF	1	400	SF
SCADA EQUIPMENT (10'X30')	300	SF	1	300	SF
			SUB TOTAL	3,694	SF
			EQUIV=	0.08	AC
SOLAR PANEL (25'X48')	1,200	SF	308	8.48	AC
			TOTAL	8.56	AC

3.0% OF PARCEL COVERAGE

PROPOSED EASEMENTS

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

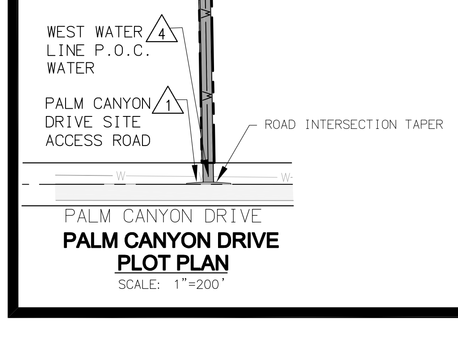
EXISTING EASEMENTS*

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

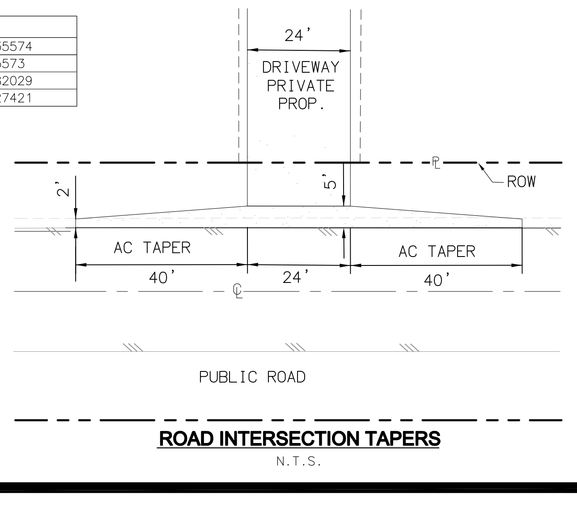
* BASED ON DATA FROM PRELIMINARY TITLE REPORT BY FIDELITY NATIONAL TITLE COMPANY, ORDER NO. 11-725137943-D-PP, DATED MAY 16, 2012.

RECORDED EASEMENTS

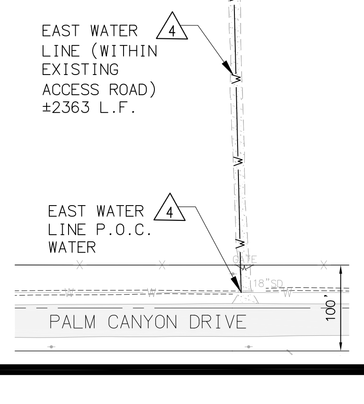
	DESCRIPTION
1	30' PRIVATE ACCESS & UTILITY EASEMENT 2012-0235574
2	30' PRIVATE ACCESS & UTILITY EASEMENT 2012-235573
3	30' PRIVATE ACCESS & UTILITY EASEMENT 2012-0282029
4	50' PRIVATE ACCESS & UTILITY EASEMENT 2013-0127421



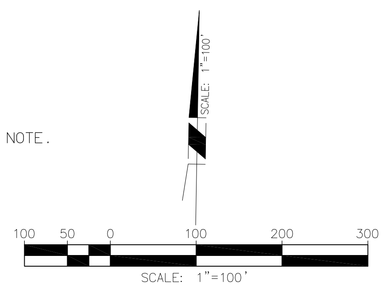
PALM CANYON DRIVE PLOT PLAN
SCALE: 1"=200'



ROAD INTERSECTION TAPERS
N.T.S.



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.



DESERT GREEN SOLAR FARM
BORREGO SPRINGS, CA
MODIFICATION FOR MUP 09-012
(NO CHANGE TO MUP 09-014)
ER NO. 09-05-001A
PLOT PLAN

FEBRUARY 22, 2013
SHEET 2 OF 3

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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