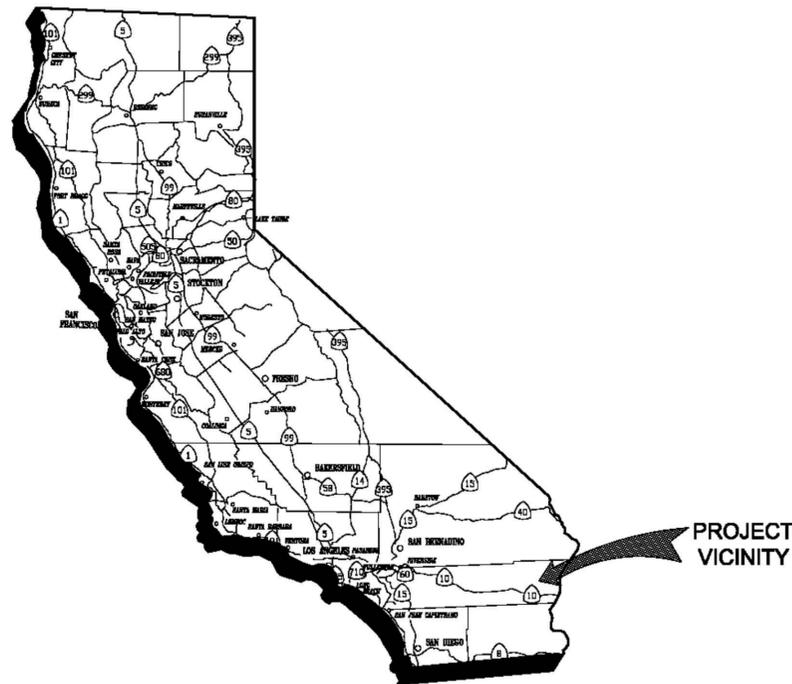




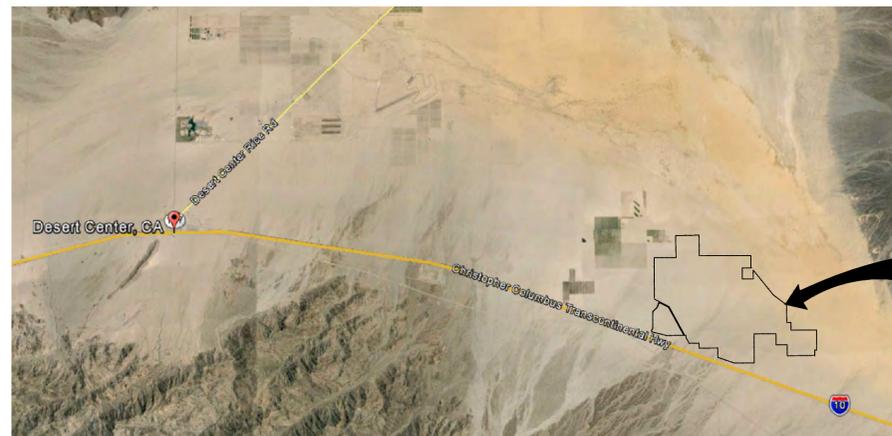
# **Appendix A**

## **DESIGN PLANS**

# BLM PLAN OF DEVELOPMENT MAVERICK SOLAR RIVERSIDE COUNTY, CALIFORNIA



**CALIFORNIA AREA MAP**  
SCALE : NONE



## SHEET INDEX

- GEN - 100 COVER SHEET
- CIV - 100 EXISTING CONDITION WITH PROJECT BOUNDARY
- CIV - 101 PROPOSED GRID LAYOUT
- CIV - 102 DETAILS
- CIV - 103 DETAILS
- CIV - 104 HYDROLOGY MAP
- CIV - 110 CONCEPTUAL GRADING
- CIV - 111 CONCEPTUAL GRADING
- CIV - 112 CONCEPTUAL GRADING
- CIV - 113 CONCEPTUAL GRADING
- CIV - 114 CONCEPTUAL GRADING
- CIV - 115 CONCEPTUAL GRADING
- CIV - 116 CONCEPTUAL GRADING
- CIV - 117 CONCEPTUAL GRADING
- CIV - 118 CONCEPTUAL GRADING

## LEGENDS

- PERENNIAL STREAM
- PERENNIAL RIVER
- INTERMITTENT STREAM
- INTERMITTENT RIVER
- DISAPPEARING STREAM
- PROPERTY LINE
- FENCE
- LIMITS OF GRADING



### PROJECT OWNER

EDF RENEWABLE ENERGY  
15445 INNOVATION DRIVE  
SAN DIEGO, CA 92128

### ENGINEER

SECTION 37 CONSULTANTS

### CONTACT

JAVIER DE LA GARZA  
925-365-3731

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.

**SECTION THIRTY SEVEN**  
CONSULTANTS

PROJECT: EDF - PALEN  
BLM PLAN OF DEVELOPMENT  
COVER SHEET

DATE: 12/21/2015

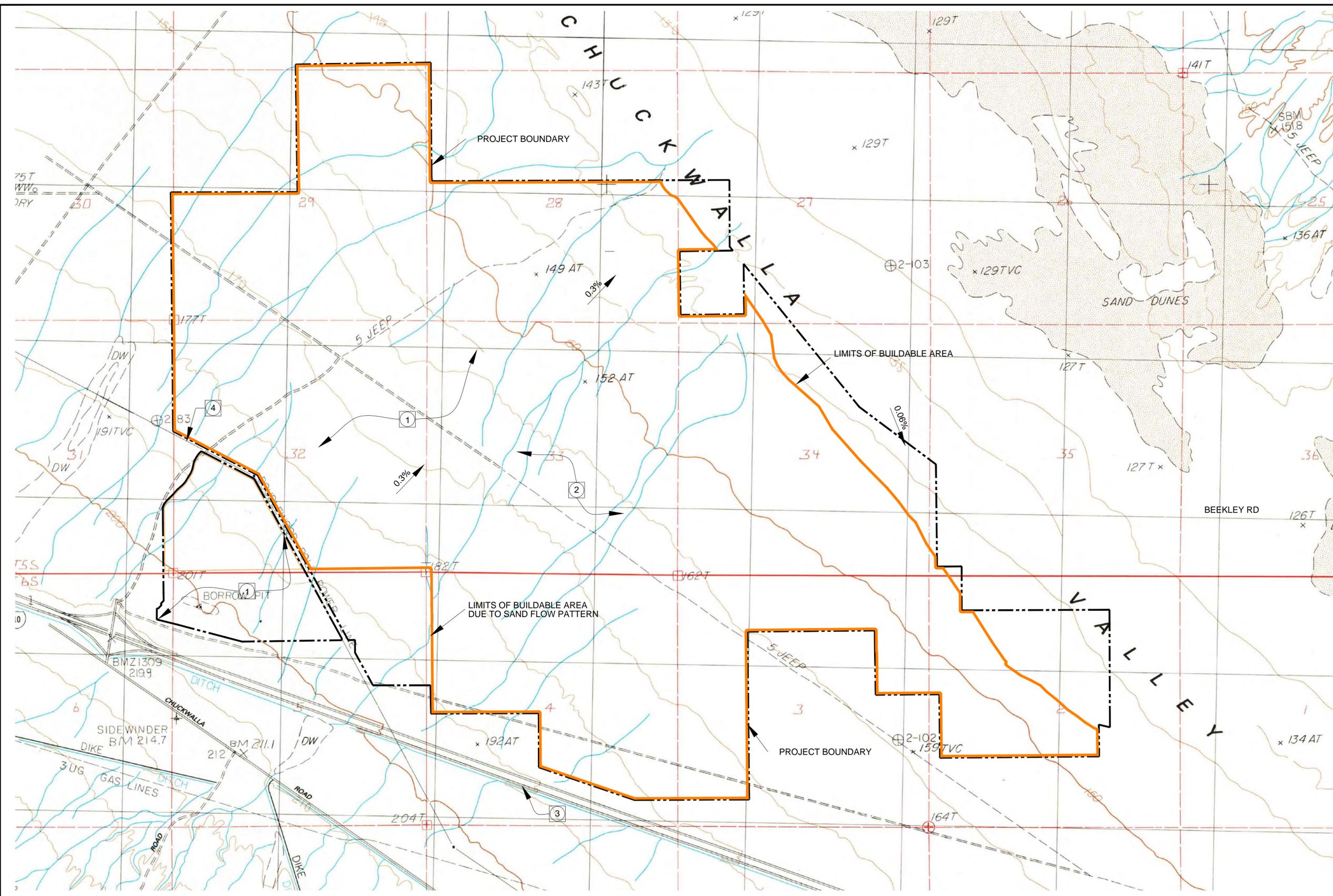
SHEET:



**EDF RENEWABLE ENERGY**  
15445 Innovation Drive  
San Diego, CA 92128

DRAWING NO.

37100042-GEN-100

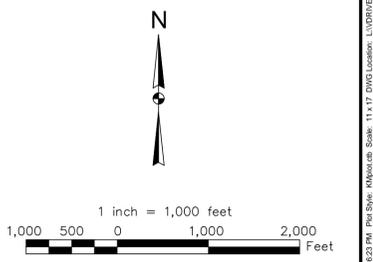


**REFERENCE NOTES:**

- ① EXISTING GROUND IS PREDOMINANTLY SHALLOW GRADE OPEN GROUND WITH MINIMAL VEGETATION. SUBJECT TO SHEET FLOW. SMALL ROCK AND SAND SURFACE
- ② INTERMITTENT STREAM. COLLECTION FOR SURROUNDING SHEET FLOW. TYPICALLY LESS THAN OR EQUAL TO 12" DEPRESSION. MINOR VEGETATION. SANDY BOTTOM.
- ③ HEAVY INTERMITTENT STREAM. COLLECTING STREAM FOR TRIBUTARIES. HEAVIER VEGETATION.
- ④ EXISTING TRANSMISSION LINES.

**GENERAL NOTES:**

- 1. USGS MAP CONTOUR INTERVAL =10M
- USGS MAP SIDEWINDER WELL 1983



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PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.

**SECTION THIRTY SEVEN  
CONSULTANTS**

PROJECT: MAVERICK SOLAR  
BLM PLAN OF DEVELOPMENT  
EXISTING CONDITIONS WITH PROJECT BOUNDARY

**EDF** renewable energy  
**EDF RENEWABLE ENERGY**  
15445 Innovation Drive  
San Diego, CA 92128

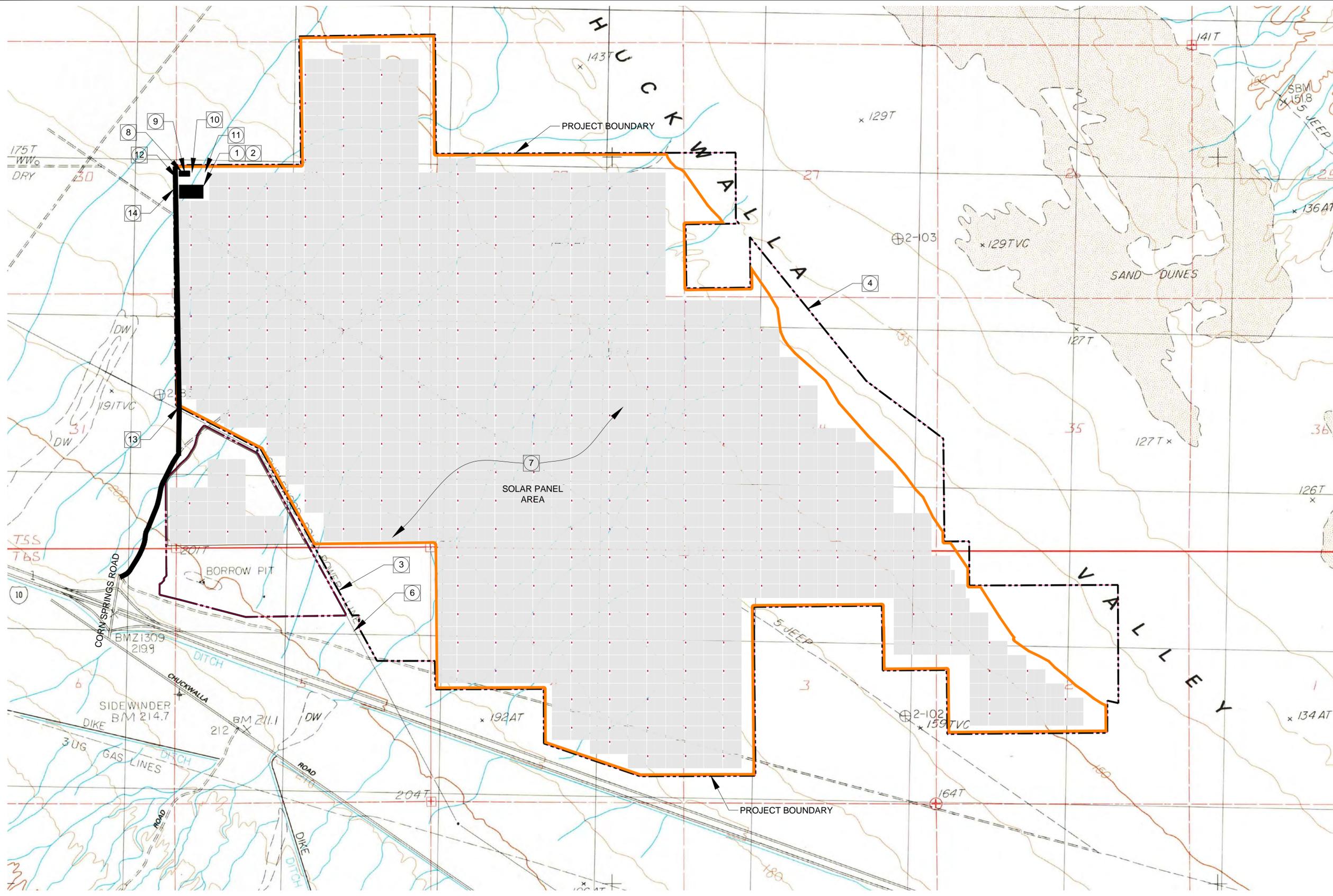
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37100042-CIV-100

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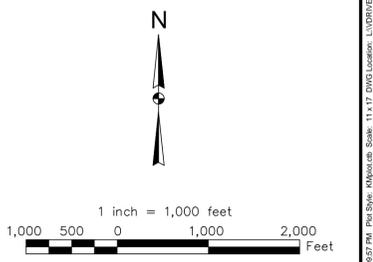


**REFERENCE NOTES:**

- 1 TEMPORARY CONSTRUCTION AREA, ELECTRICAL SUBSTATION AND OPERATIONS BUILDING. SEE SHEET CIV-110 FOR DETAILS.
- 2 APPROXIMATE LOCATION OF PV GENERATION INTERTIE TO EXISTING TRANSMISSION LINES.
- 3 PROPOSED TRANSMISSION ROW.
- 4 PERIMETER SECURITY FENCE TO FOLLOW PROJECT BOUNDARY
- 5 MAINTENANCE ACCESS ROAD WITH CURVERTS AND DIRT COVER FOR YEAR-ROUND ACCESS. SEE SHEET CIV-102 FOR CURVERT DETAILS.
- 6 EXISTING TRANSMISSION LINES.
- 7 SEE SHEET CIV-102 FOR DETAIL OF TYPICAL SOLAR PANEL GROUP, CONDUIT, EQUIPMENT, ACCESS ROAD, ETC.
- 8 O&M BUILDING.
- 9 PARKING, WATER STORAGE AND SEPTIC FIELD AREA.
- 10 LAYDOWN AREA.
- 11 TEMPORARY CONSTRUCTION/LAYDOWN AREA.
- 12 PROPERTY MAIN ENTRANCE WITH MOTORIZED SECURITY GATE.
- 13 STABILIZED CONSTRUCTION ENTRANCE.
- 14 NEW PAVED SITE ENTRANCE ROAD (ACCESS ROAD).

**GENERAL NOTES:**

- 1. USGS MAP CONTOUR INTERVAL =10m
- USGS MAP SIDEWINDER WELL 1983



**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.

**SECTION THIRTY SEVEN  
CONSULTANTS**

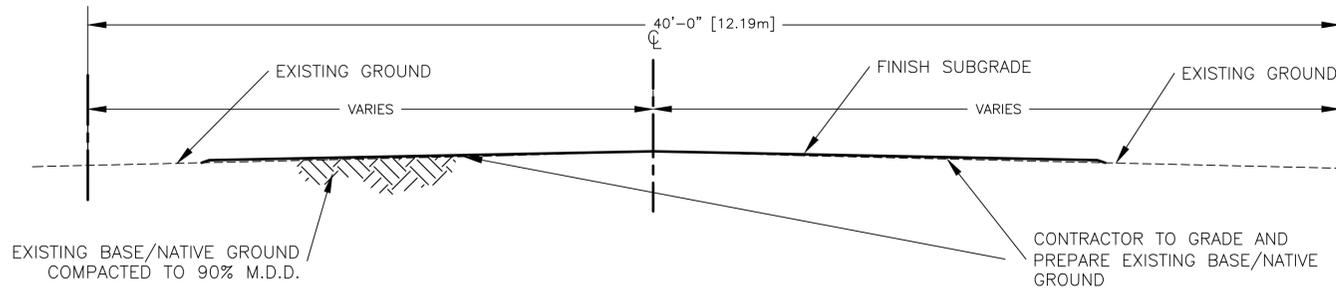
PROJECT: MAVERICK SOLAR  
BLM PLAN OF DEVELOPMENT  
PROPOSED GRID LAYOUT

**EDF** renewable energy  
**EDF RENEWABLE ENERGY**  
15445 Innovation Drive  
San Diego, CA 92128

DATE: 12/21/2015 SHEET:

DRAWING NO. 37100042-CIV-101

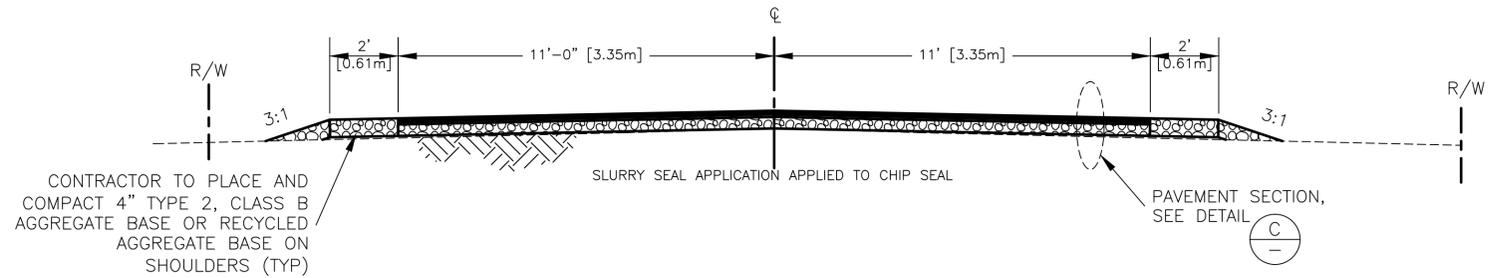
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**TYPICAL ROAD SECTION - MAIN ACCESS ROAD** (A)

NOT TO SCALE

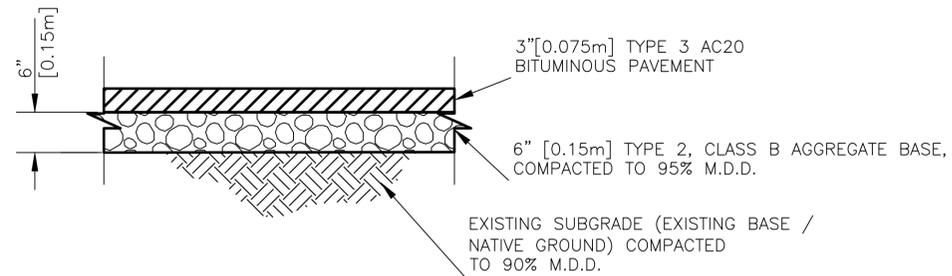
102



**TYPICAL ROAD SECTION - PAVED ACCESS ROAD** (B)

NOT TO SCALE

102



**BITUMINOUS PAVEMENT PATCH AND AGGREGATE BASE** (C)

NOT TO SCALE

102

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.



PROJECT: MAVERICK SOLAR  
BLM PLAN OF DEVELOPMENT

DETAILS

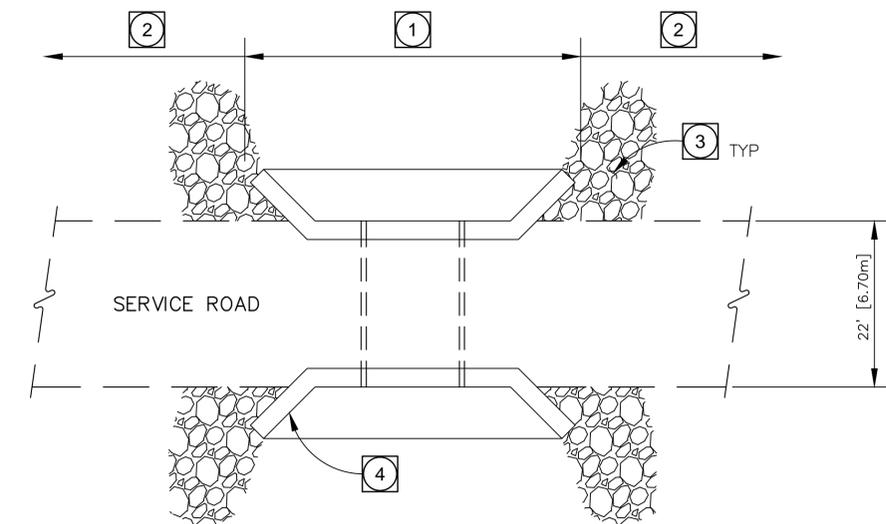
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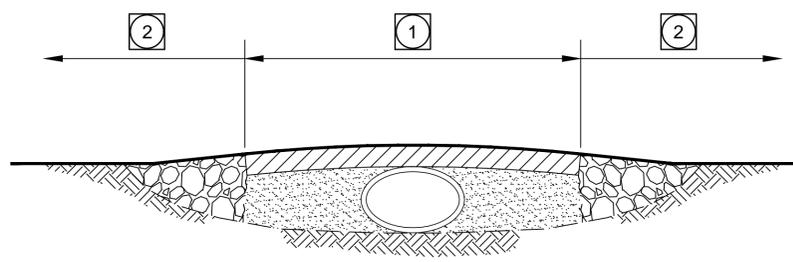
**EDF RENEWABLE ENERGY**  
15445 Innovation Drive  
San Diego, CA 92128

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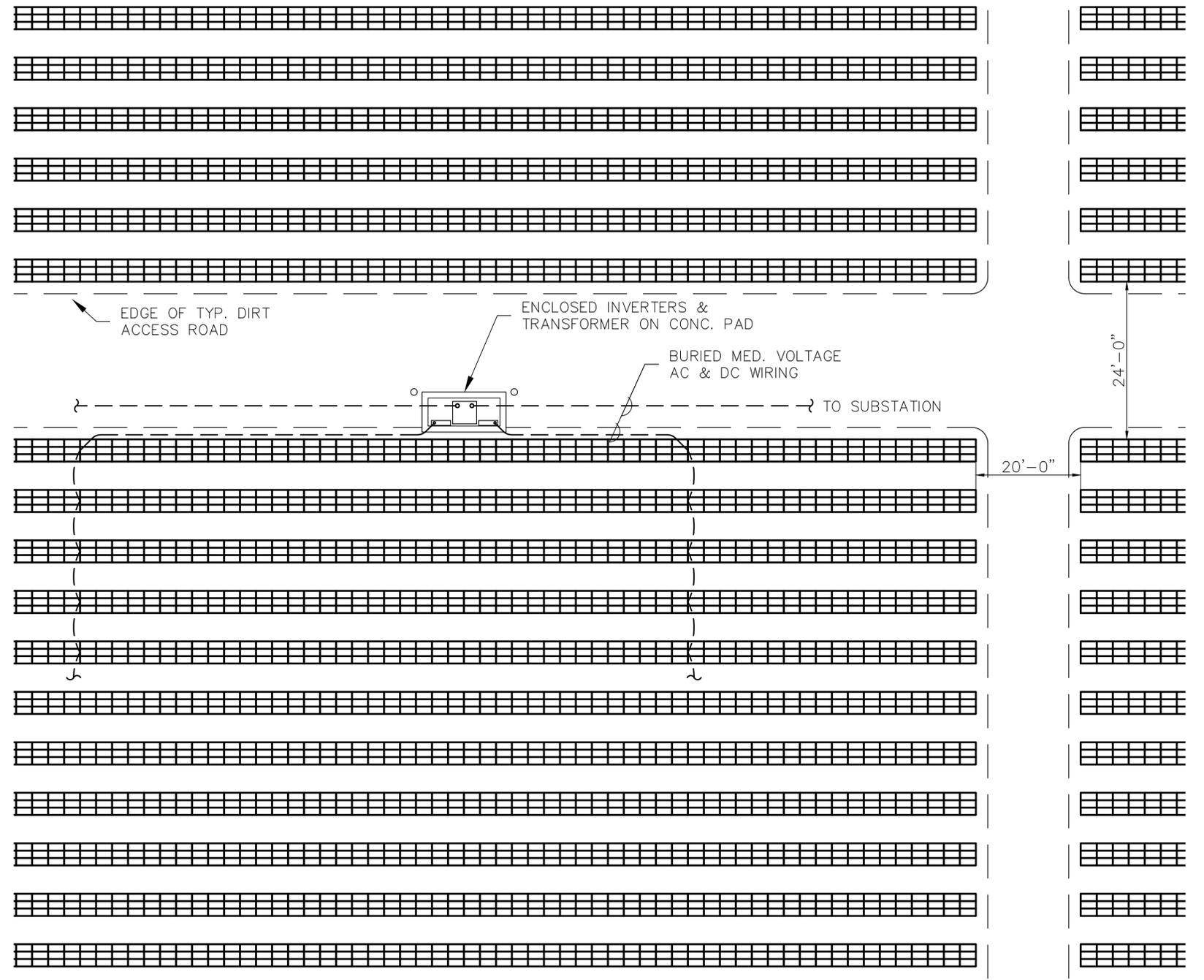
PLAN



SECTION

- ① INTERMITTENT STREAM WIDTH SETBACK DETERMINED BY BIOLOGICAL REQUIREMENTS.
- ② ACCESS ROAD DESIGNED TO H-20 LOADS USING COMPACTED NATIVE SOIL.
- ③ RIP-RAP AS REQUIRED BY HYDROLOGY REPORT.
- ④ HEADWALL AND WINGWALL AS REQUIRED BY HYDROLOGY REPORT.

TYPICAL CULVERT DETAIL **D**  
NOT TO SCALE 110



TYPICAL PHOTOVOLTAIC SECTION DETAIL  
SCALE: 1" = 200'

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.

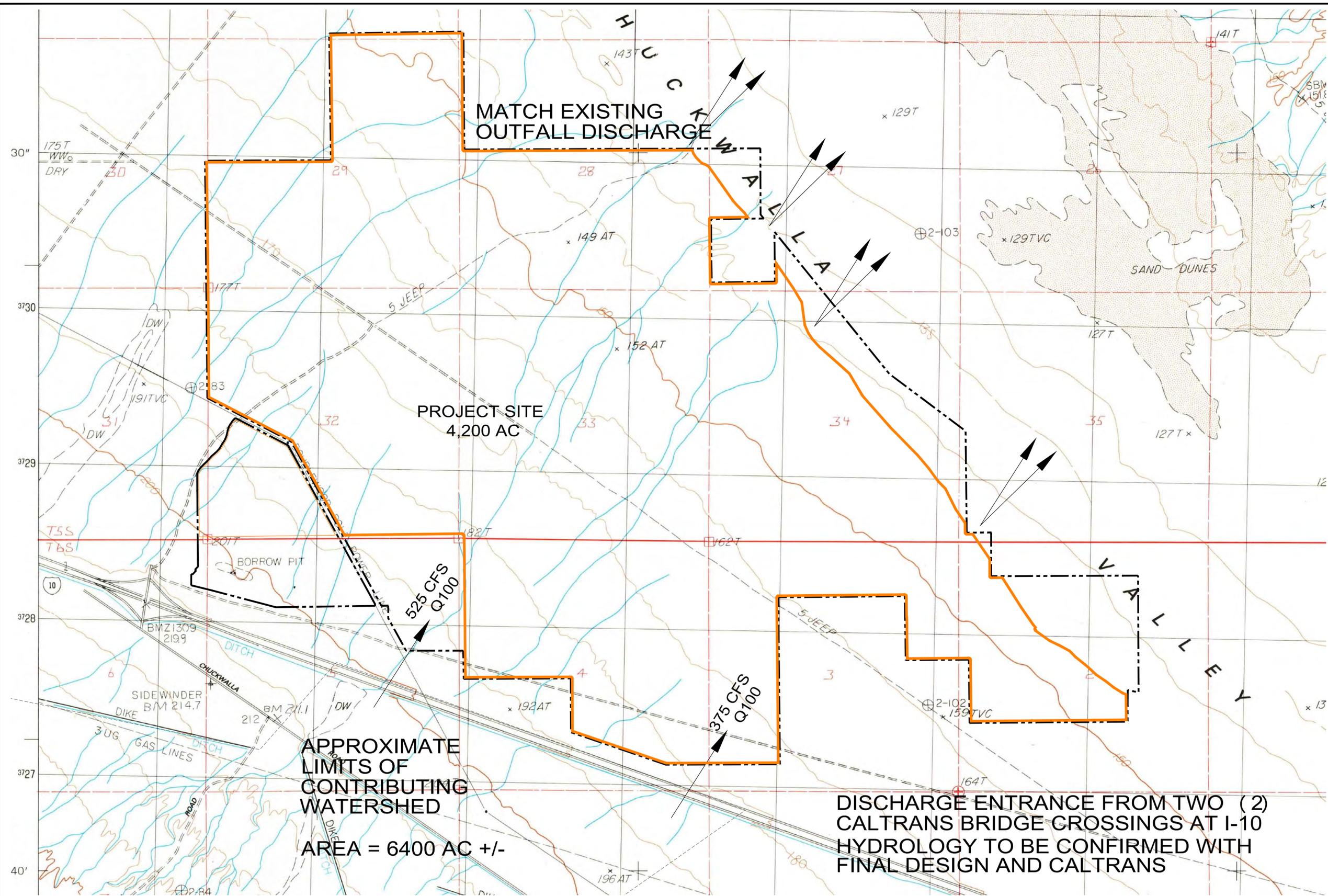
**SECTION THIRTY SEVEN  
CONSULTANTS**

PROJECT: MAVERICK SOLAR BLM PLAN OF DEVELOPMENT	
DETAILS	
DATE: 12/21/2015	SHEET:

**EDF** renewable energy  
EDF RENEWABLE ENERGY  
15445 Innovation Drive  
San Diego, CA 92128

DRAWING NO. 37100042-CIV-103

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**LEGEND:**

SYMBOL	ITEM
	APN BOUNDARY LINE
	TRIBUTARY AREA BOUNDARY LINE AREA IS IN ACRES (AC)
	DIRECTION OF SURFACE FLOW
	FLOW IN CUBIC FEET PER SECOND FOR A 100 YEAR/24 HOUR STORM EVENT



NOT TO SCALE

DISCHARGE ENTRANCE FROM TWO (2) CALTRANS BRIDGE CROSSINGS AT I-10  
HYDROLOGY TO BE CONFIRMED WITH FINAL DESIGN AND CALTRANS

APPROXIMATE LIMITS OF CONTRIBUTING WATERSHED  
AREA = 6400 AC +/-

MATCH EXISTING OUTFALL DISCHARGE

PROJECT SITE  
4,200 AC

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

SECTION THIRTY SEVEN  
CONSULTANTS

PROJECT: MAVERICK SOLAR  
BLM PLAN OF DEVELOPMENT  
HYDROLOGY MAP



EDF RENEWABLE ENERGY  
15445 Innovation Drive  
San Diego, CA 92128

DATE: 12/21/2015

SHEET:

DRAWING NO.

37100042-CIV-104

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.

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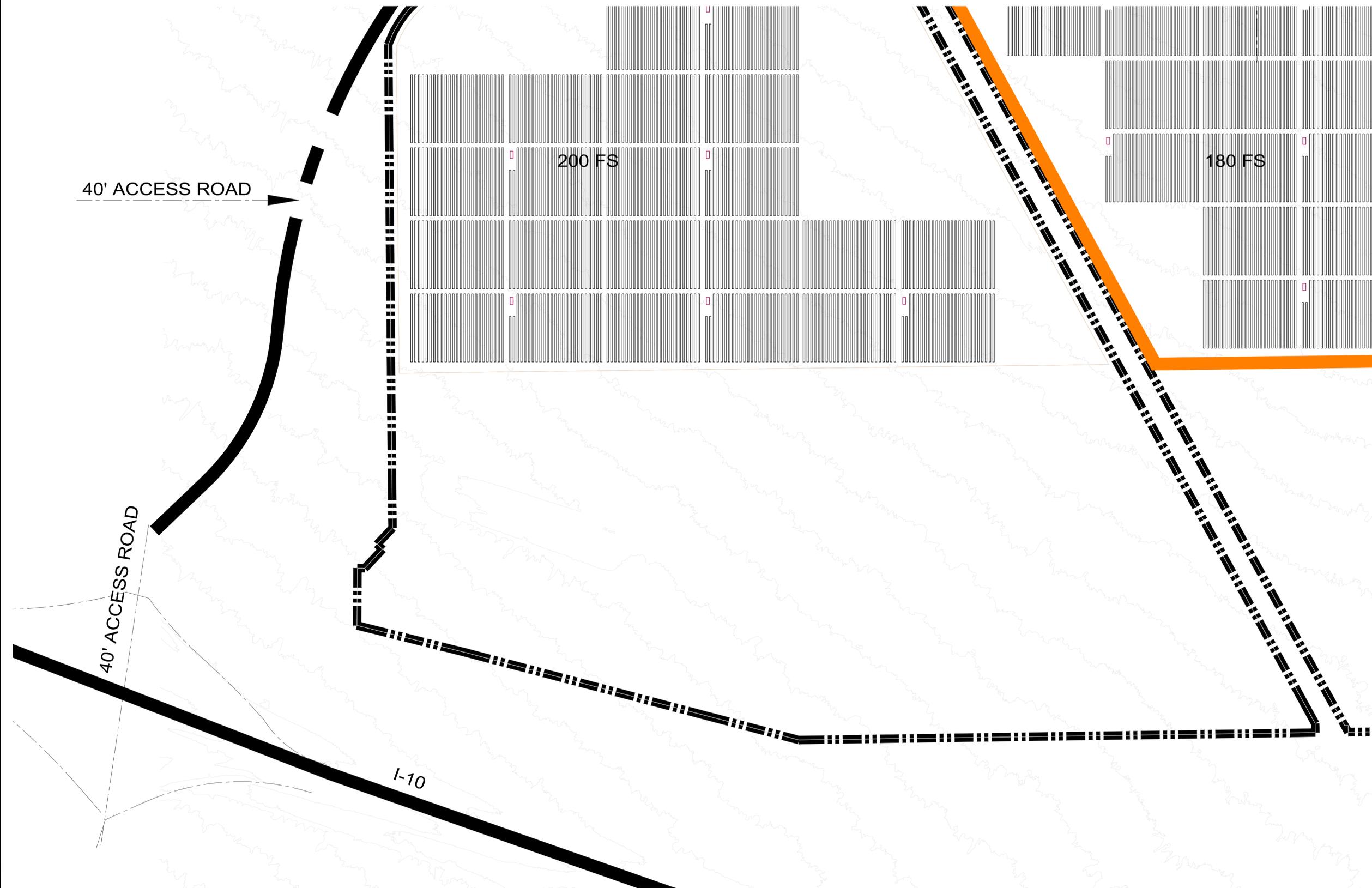
SYMBOL	ITEM
	DIRECTION OF SURFACE FLOW
XXX FS	ELEVATION OF FINISHED SURFACE AT SPOT LOCATIONS.

**NOTES**

MAIN ACCESS ROAD WILL BE GRADED WITH ALTERNATING GRADES OF 0.5% FOR BALANCING OF CUT AND FILLS.

DRAINAGE THROUGH INTERIOR ACCESS ROADS WILL BE DIVERTED NORTH AND SOUTH UTILIZING HIGH POINTS THUS DIVERTING DRAINAGE TO THE EAST WEST ACCESS ROADS ADHERING AS CLOSE AS POSSIBLE TO NATURAL WATERSHED

GRADING IS CONCEPTUAL ONLY; FINAL GRADING PLANS TO BE COMPLETED AFTER AGENCY AUTHORIZATION AND REVIEW OF THIS CONCEPTUAL PLAN



SCALE: 1" = 200'

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.

**SECTION THIRTY SEVEN  
CONSULTANTS**

PROJECT: MAVERICK SOLAR  
BLM PLAN OF DEVELOPMENT  
CONCEPTUAL GRADING



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15445 Innovation Drive  
San Diego, CA 92128

DATE: 12/21/2015

SHEET:

DRAWING NO.

37100042-CIV-110



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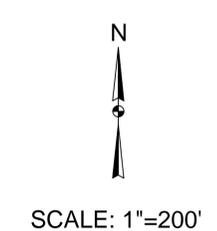
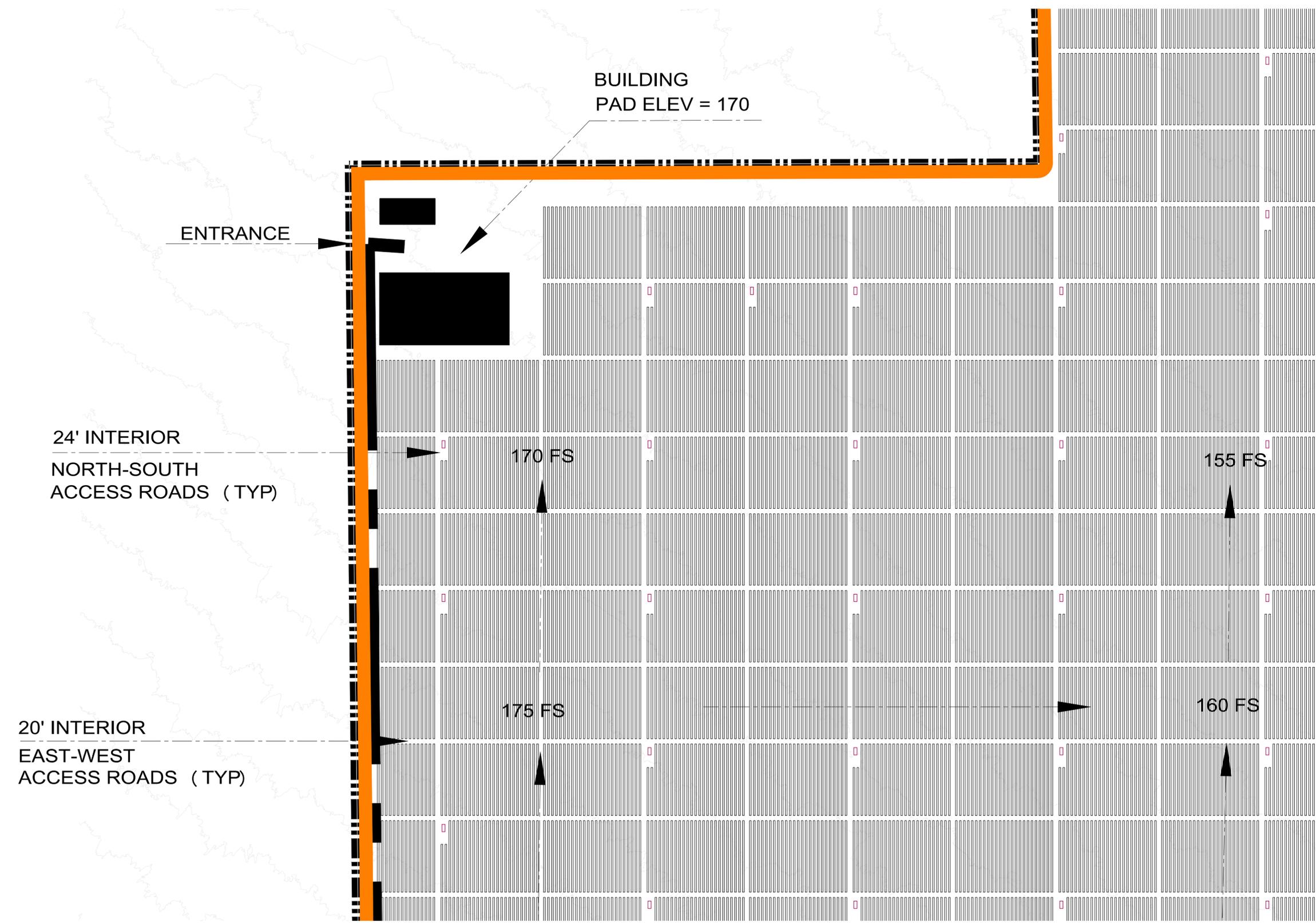
SYMBOL	ITEM
	DIRECTION OF SURFACE FLOW
XXX FS	ELEVATION OF FINISHED SURFACE AT SPOT LOCATIONS.

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**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.



PROJECT: MAVERICK SOLAR  
BLM PLAN OF DEVELOPMENT  
CONCEPTUAL GRADING



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15445 Innovation Drive  
San Diego, CA 92128

DATE: 12/21/2015

SHEET:

DRAWING NO.

37100042-CIV-112

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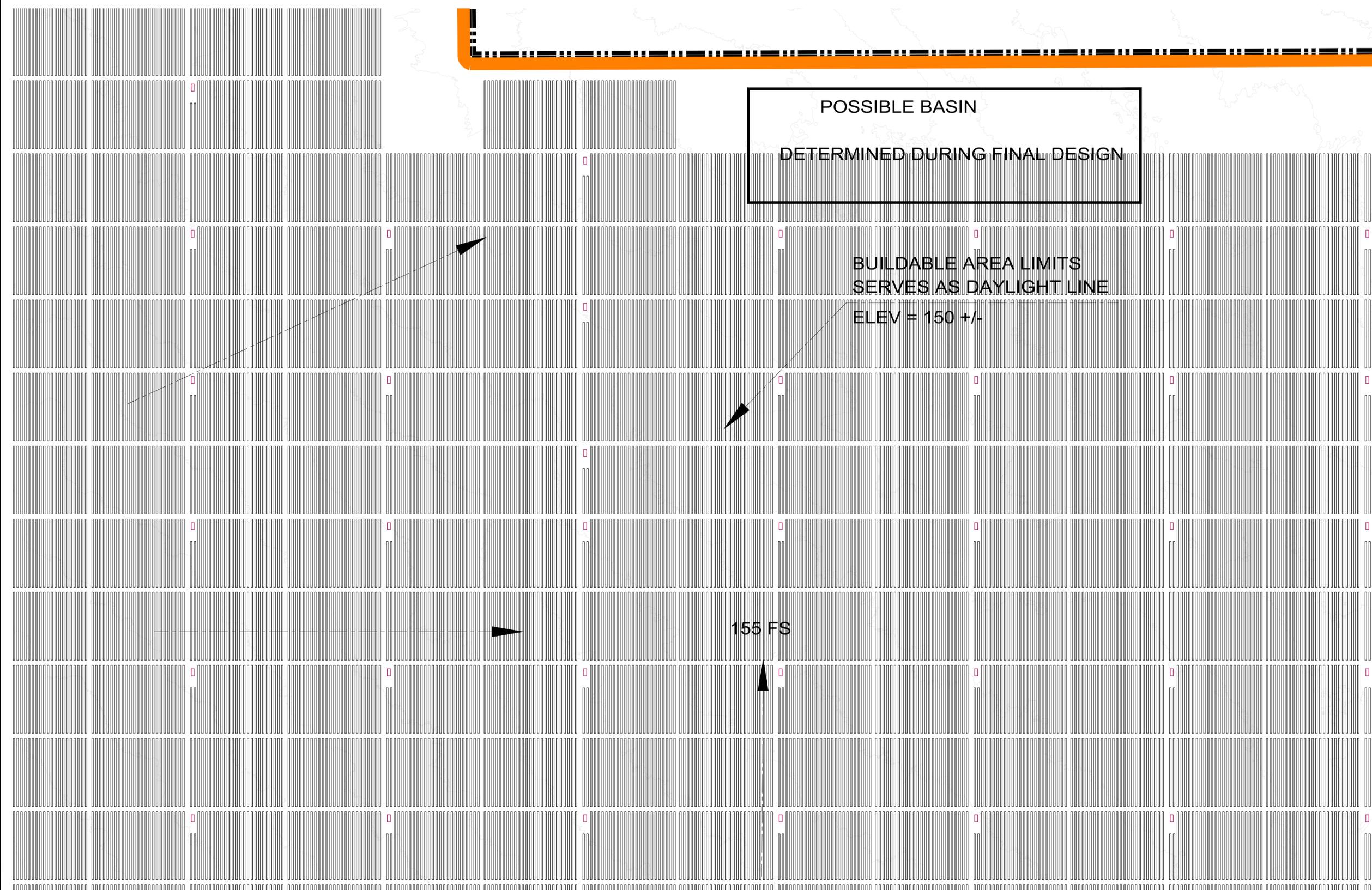
SYMBOL	ITEM
	DIRECTION OF SURFACE FLOW
XXX FS	ELEVATION OF FINISHED SURFACE AT SPOT LOCATIONS.

**NOTES**

MAIN ACCESS ROAD WILL BE GRADED WITH ALTERNATING GRADES OF 0.5% FOR BALANCING OF CUT AND FILLS.

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GRADING IS CONCEPTUAL ONLY; FINAL GRADING PLANS TO BE COMPLETED AFTER AGENCY AUTHORIZATION AND REVIEW OF THIS CONCEPTUAL PLAN



**POSSIBLE BASIN  
DETERMINED DURING FINAL DESIGN**

**BUILDABLE AREA LIMITS  
SERVES AS DAYLIGHT LINE  
ELEV = 150 +/-**

155 FS



SCALE: 1" = 200'

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.



PROJECT: MAVERICK SOLAR	
BLM PLAN OF DEVELOPMENT	
HYDROLOGY MAP	
DATE: 11/03/2010	SHEET:



**EDF RENEWABLE ENERGY**  
15445 Innovation Drive  
San Diego, CA 92128

DRAWING NO. 37100042-CIV-113

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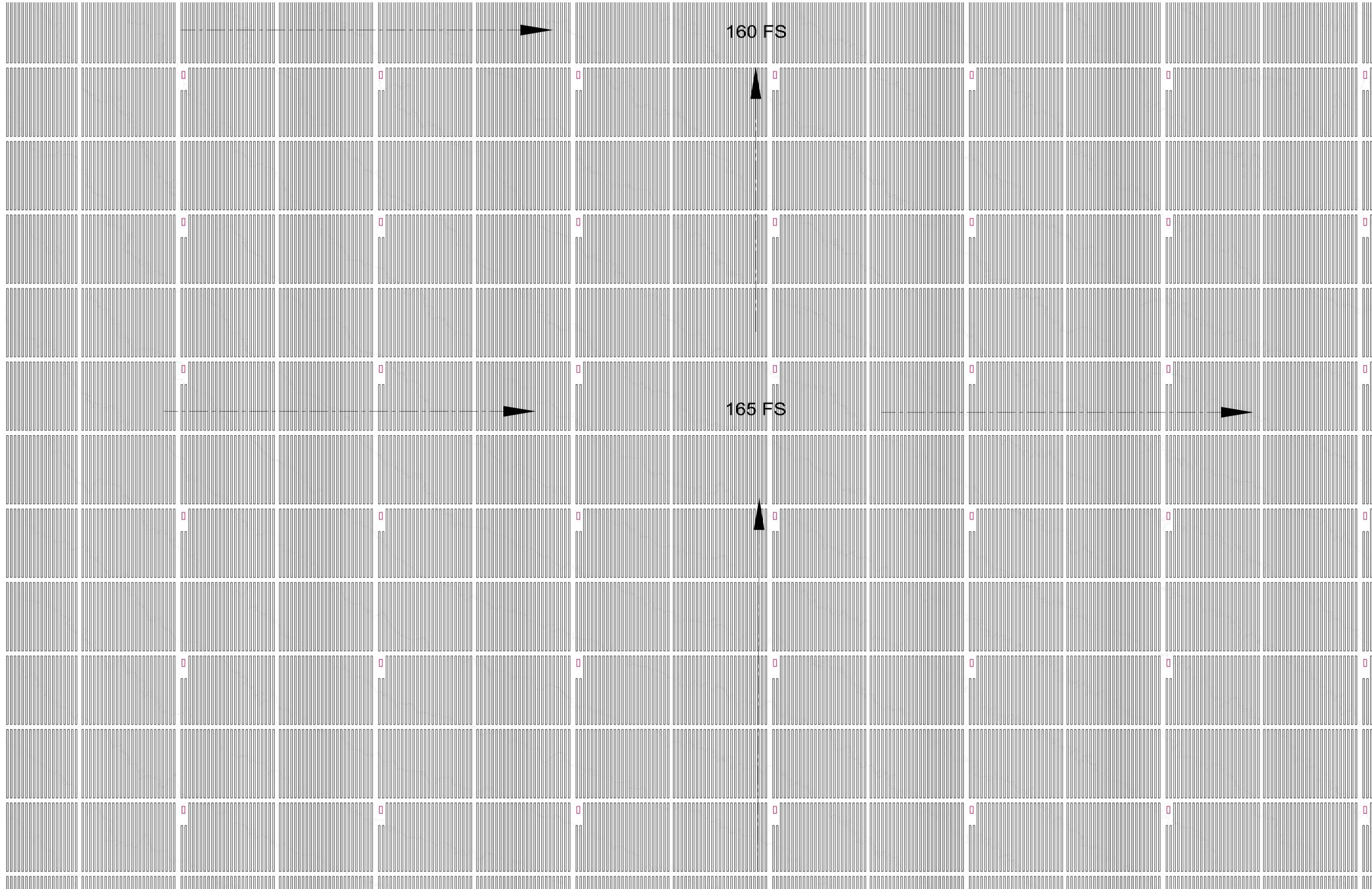
SYMBOL	ITEM
	DIRECTION OF SURFACE FLOW
XXX FS	ELEVATION OF FINISHED SURFACE AT SPOT LOCATIONS.

**NOTES**

MAIN ACCESS ROAD WILL BE GRADED WITH ALTERNATING GRADES OF 0.5% FOR BALANCING OF CUT AND FILLS.

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GRADING IS CONCEPTUAL ONLY; FINAL GRADING PLANS TO BE COMPLETED AFTER AGENCY AUTHORIZATION AND REVIEW OF THIS CONCEPTUAL PLAN



NOT TO SCALE

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.



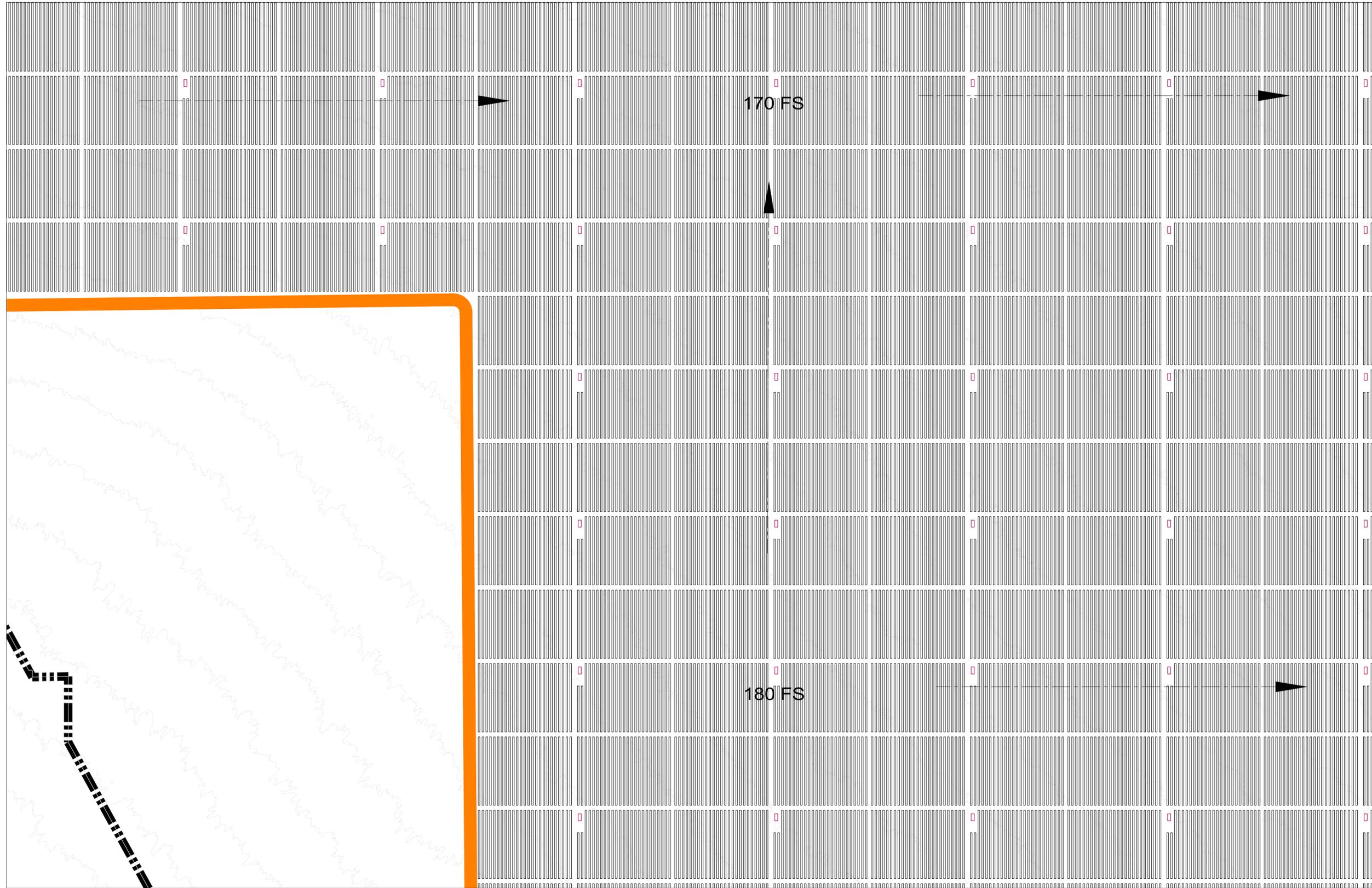
PROJECT: MAVERICK SOLAR	
BLM PLAN OF DEVELOPMENT	
HYDROLOGY MAP	
DATE: 11/03/2010	SHEET:



**EDF RENEWABLE ENERGY**  
15445 Innovation Drive  
San Diego, CA 92128

DRAWING NO. 37100042-CIV-114

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NOT TO SCALE

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.



PROJECT: MAVERICK SOLAR  
BLM PLAN OF DEVELOPMENT  
HYDROLOGY MAP



EDF RENEWABLE ENERGY  
15445 Innovation Drive  
San Diego, CA 92128

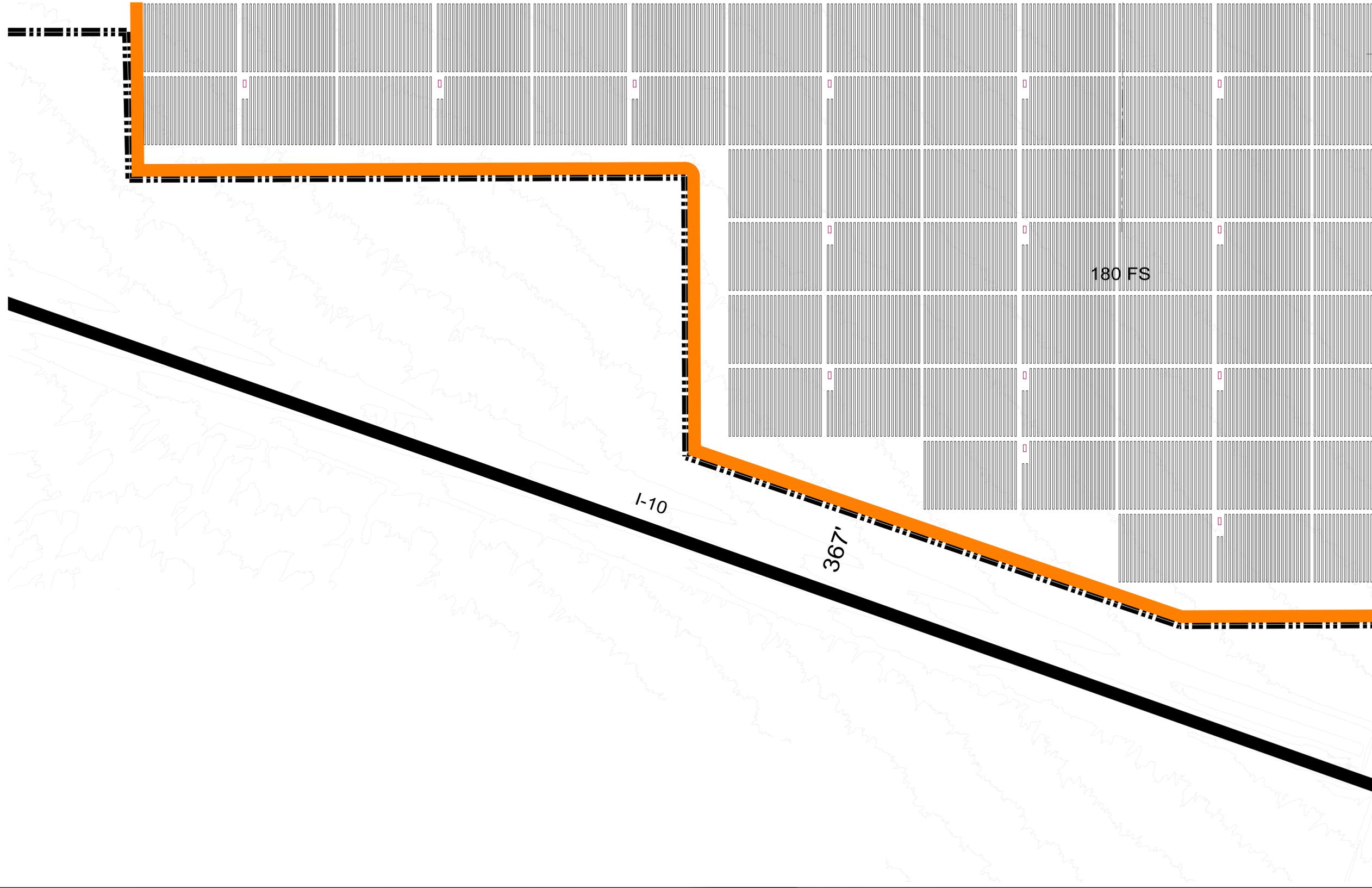
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**LEGEND:**

SYMBOL	ITEM
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XXX FS	ELEVATION OF FINISHED SURFACE AT SPOT LOCATIONS.

**NOTES**

MAIN ACCESS ROAD WILL BE GRADED WITH ALTERNATING GRADES OF 0.5% FOR BALANCING OF CUT AND FILLS.

DRAINAGE THROUGH INTERIOR ACCESS ROADS WILL BE DIVERTED NORTH AND SOUTH UTILIZING HIGH POINTS THUS DIVERTING DRAINAGE TO THE EAST WEST ACCESS ROADS ADHERING AS CLOSE AS POSSIBLE TO NATURAL WATERSHED

GRADING IS CONCEPTUAL ONLY; FINAL GRADING PLANS TO BE COMPLETED AFTER AGENCY AUTHORIZATION AND REVIEW OF THIS CONCEPTUAL PLAN



SCALE: 1" = 200'

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.



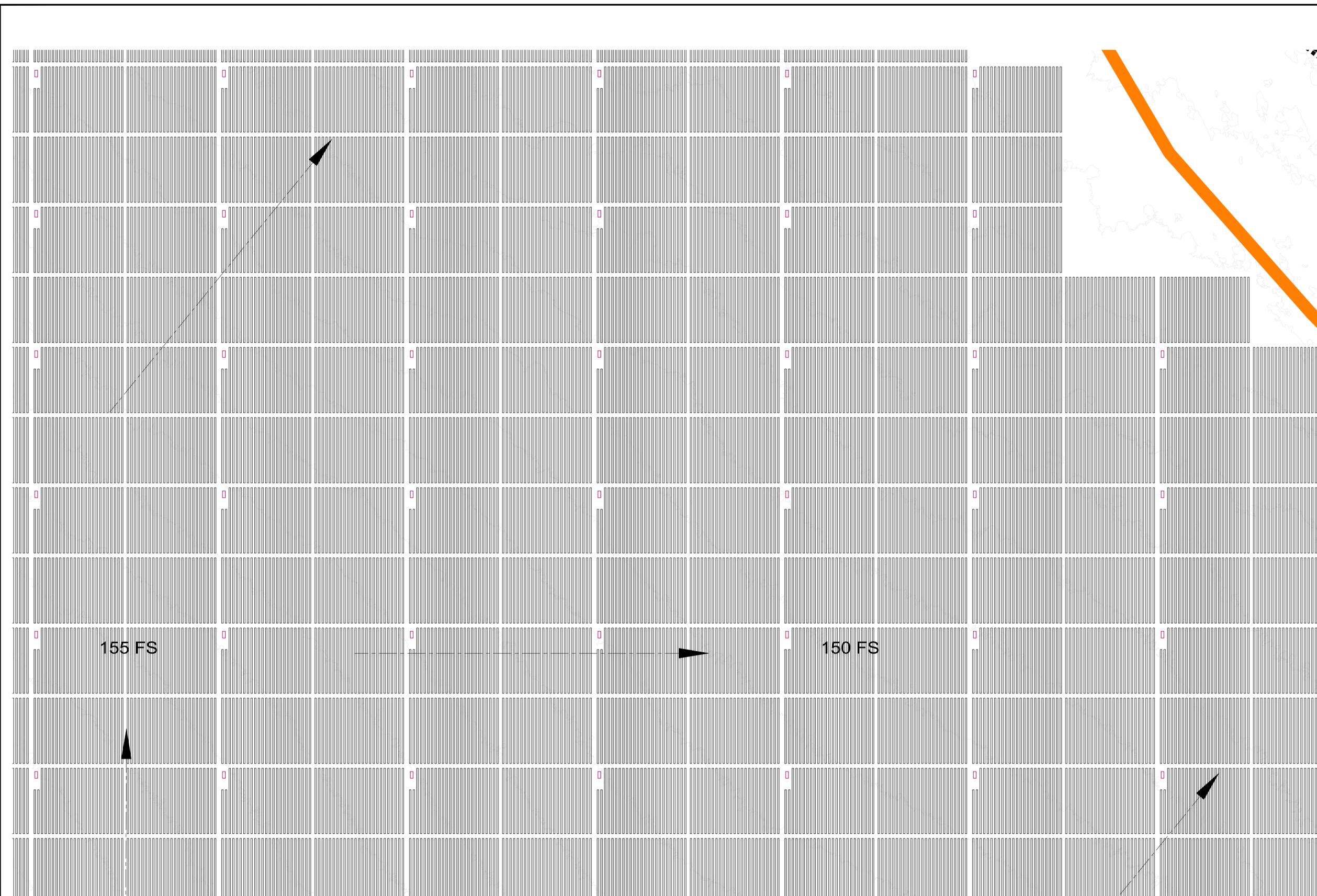
PROJECT: MAVERICK SOLAR	
BLM PLAN OF DEVELOPMENT	
HYDROLOGY MAP	
DATE: 11/03/2010	SHEET:



**EDF RENEWABLE ENERGY**  
15445 Innovation Drive  
San Diego, CA 92128

DRAWING NO. 37100042-CIV-116

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**LEGEND:**

SYMBOL	ITEM
	DIRECTION OF SURFACE FLOW
XXX FS	ELEVATION OF FINISHED SURFACE AT SPOT LOCATIONS.

**NOTES**

MAIN ACCESS ROAD WILL BE GRADED WITH ALTERNATING GRADES OF 0.5% FOR BALANCING OF CUT AND FILLS.

DRAINAGE THROUGH INTERIOR ACCESS ROADS WILL BE DIVERTED NORTH AND SOUTH UTILIZING HIGH POINTS THUS DIVERTING DRAINAGE TO THE EAST WEST ACCESS ROADS ADHERING AS CLOSE AS POSSIBLE TO NATURAL WATERSHED

GRADING IS CONCEPTUAL ONLY; FINAL GRADING PLANS TO BE COMPLETED AFTER AGENCY AUTHORIZATION AND REVIEW OF THIS CONCEPTUAL PLAN



SCALE: 1" = 200'

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.



PROJECT: MAVERICK SOLAR  
BLM PLAN OF DEVELOPMENT  
HYDROLOGY MAP

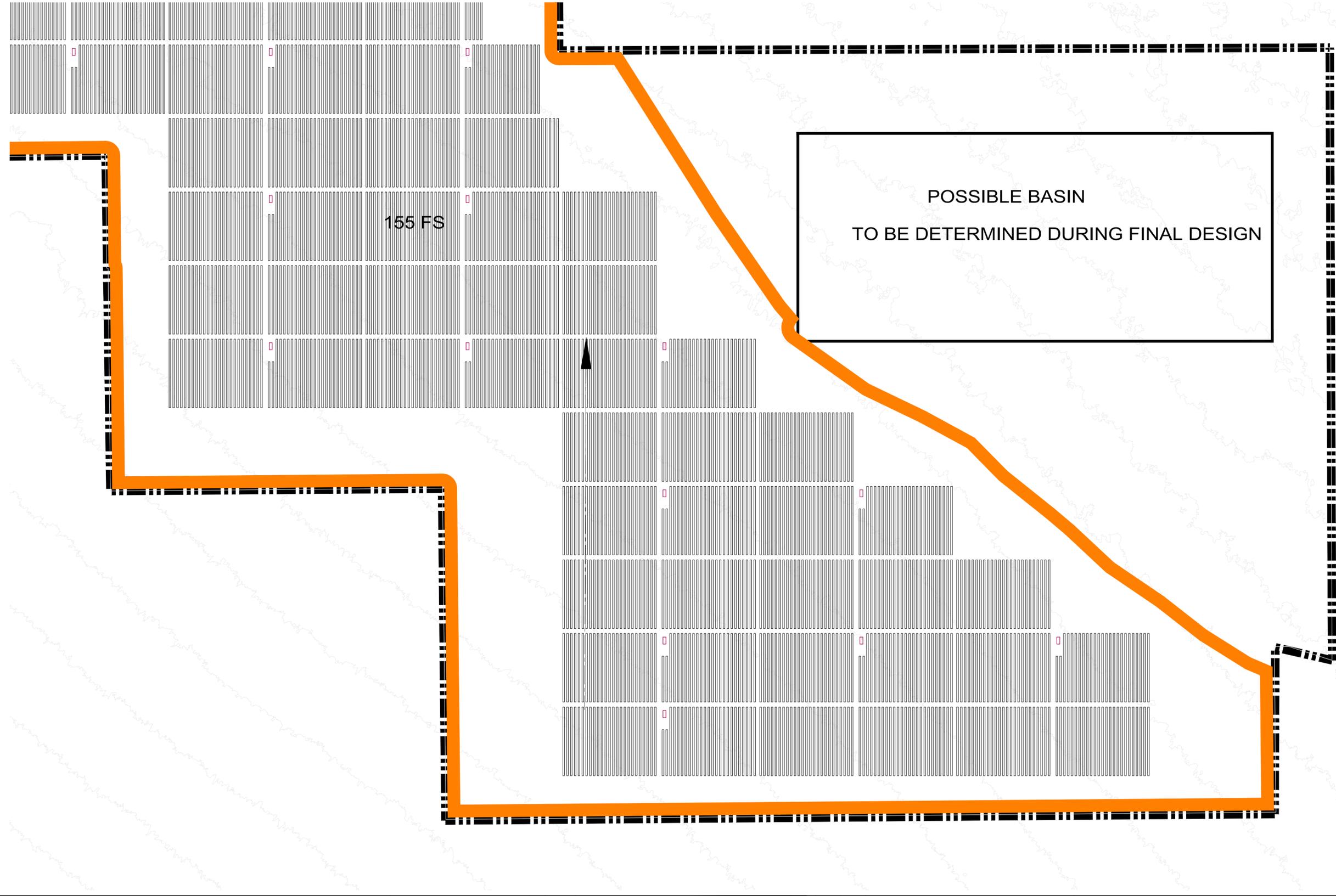
DATE: 11/03/2010 SHEET:  



**EDF RENEWABLE ENERGY**  
15445 Innovation Drive  
San Diego, CA 92128

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**LEGEND:**

SYMBOL	ITEM
	DIRECTION OF SURFACE FLOW
XXX FS	ELEVATION OF FINISHED SURFACE AT SPOT LOCATIONS.

**NOTES**

MAIN ACCESS ROAD WILL BE GRADED WITH ALTERNATING GRADES OF 0.5% FOR BALANCING OF CUT AND FILLS.

DRAINAGE THROUGH INTERIOR ACCESS ROADS WILL BE DIVERTED NORTH AND SOUTH UTILIZING HIGH POINTS THUS DIVERTING DRAINAGE TO THE EAST WEST ACCESS ROADS ADHERING AS CLOSE AS POSSIBLE TO NATURAL WATERSHED

GRADING IS CONCEPTUAL ONLY; FINAL GRADING PLANS TO BE COMPLETED AFTER AGENCY AUTHORIZATION AND REVIEW OF THIS CONCEPTUAL PLAN



SCALE: 1" = 200'

**DRAFT  
PRELIMINARY  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY	APP.	CHKD.



PROJECT: MAVERICK SOLAR	
BLM PLAN OF DEVELOPMENT	
HYDROLOGY MAP	
DATE: 11/03/2010	SHEET:

	EDF RENEWABLE ENERGY
	15445 Innovation Drive San Diego, CA 92128
DRAWING NO.	37100042-CIV-118

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