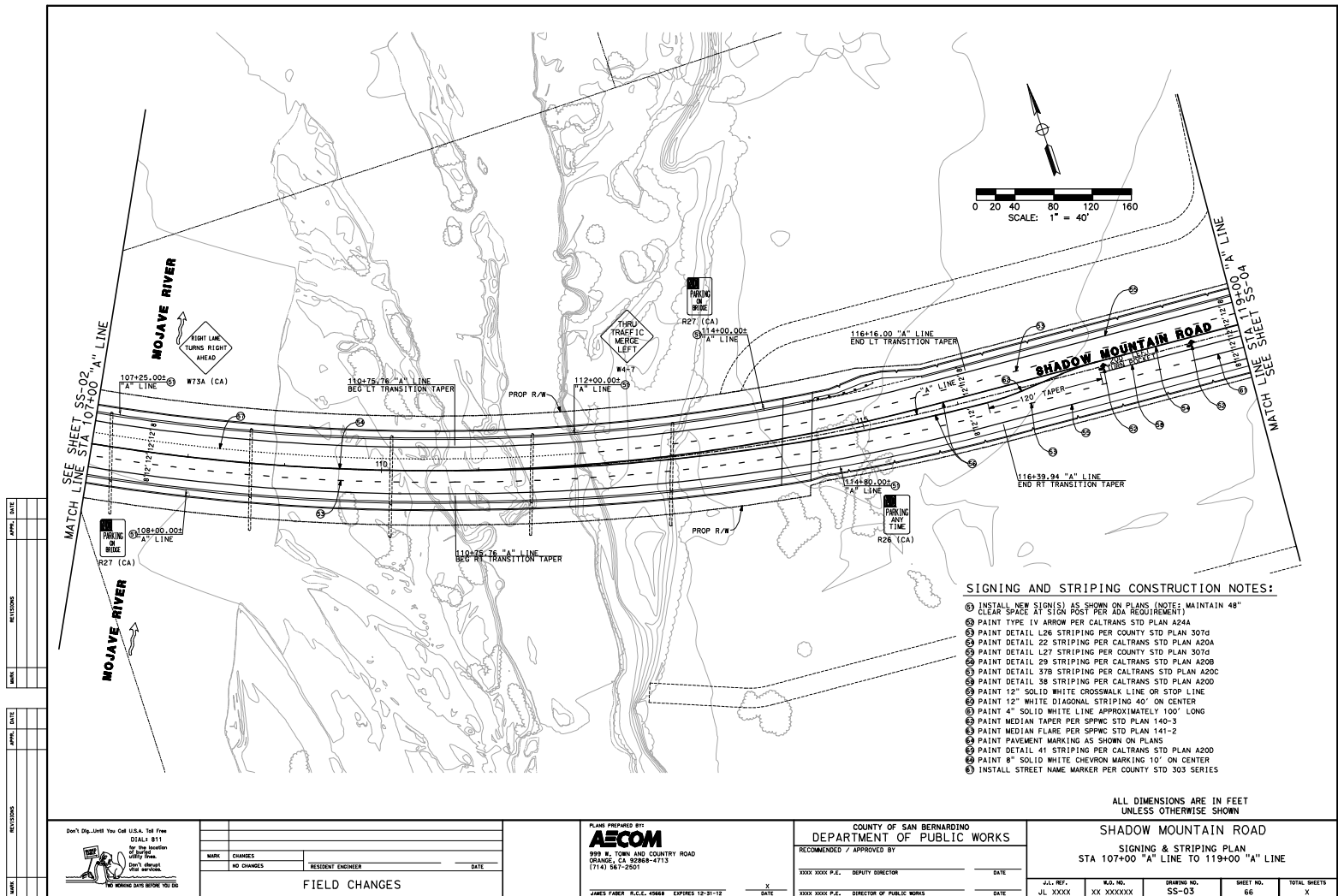




10% DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

SHADOW MOUNTAIN ROAD

SIGNING & STRIPING PLAN
STA 107+00 "A" LINE TO 119+00 "A" LINE

J.L. REF.	W.O. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXX	SS-03	66	X

Don't Dig...Until You Call U.S.A. Toll Free
DIAL: 811
for the location
of buried
utility lines.
Don't disrupt
vital services.

MARK	CHANGES	RESIDENT ENGINEER _____ DATE _____
	NO CHANGES	

FIELD CHANGES

FIELD CHANGES

PLANS PREPARED BY
AECOM
999 W. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

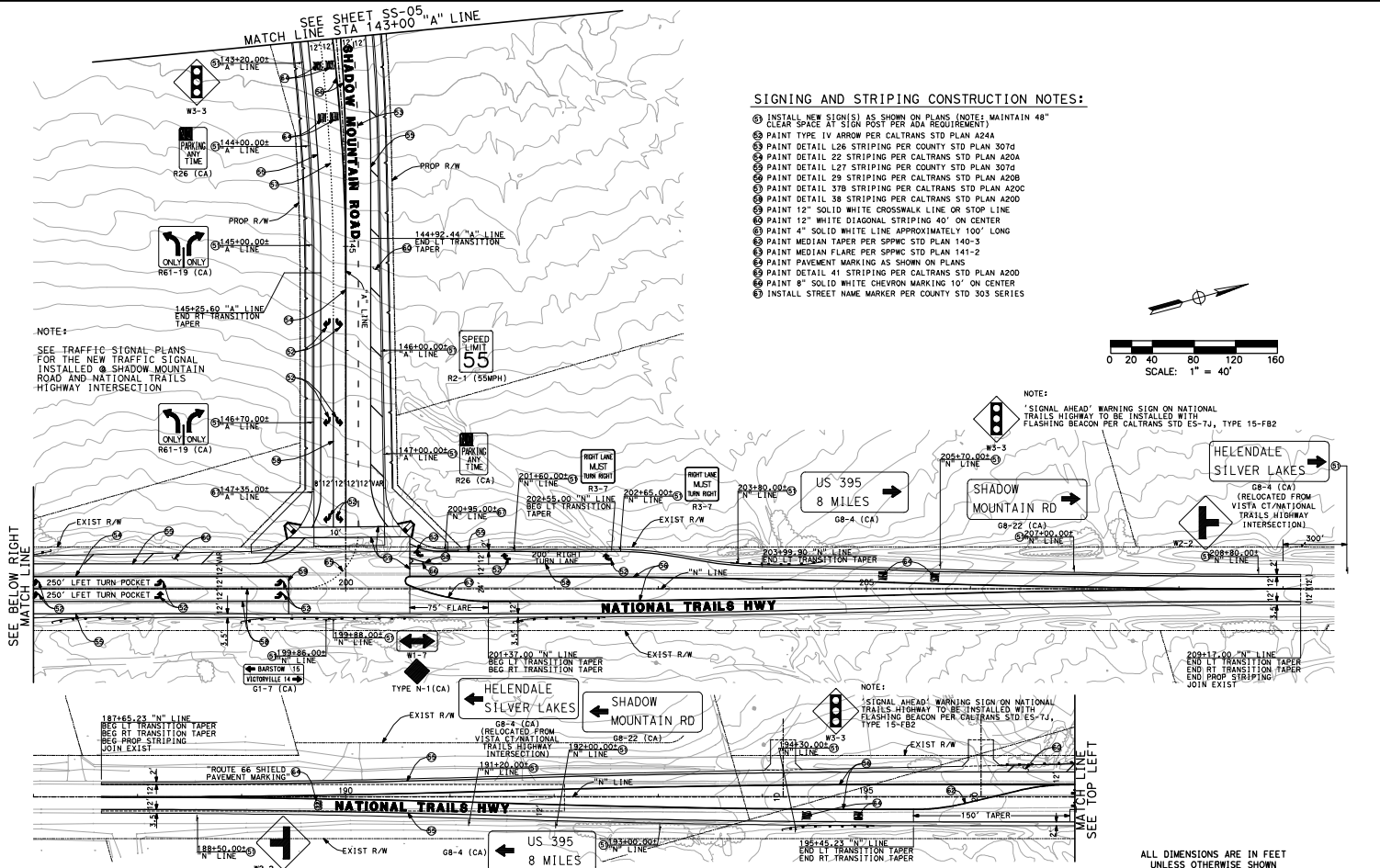
COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

RECOMMENDED / APPROVED BY _____

XXXX XXXX P.E.	DEPUTY DIRECTOR	DATE
XXXX XXXX P.E.	DIRECTOR OF PUBLIC WORKS	DATE

J.L. REF.	W.O. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXX	SS-03	66	X

APPROVAL	DATE
REVISIONS	
DATE	
REVISIONS	
DATE	
REVISIONS	
DATE	

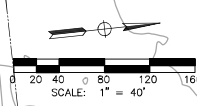


Don't Dig Until You Get U.S.A. 1st Free DIALS 811 for the location ONLY. No other work. No digging until you get U.S.A. 1st Free DIALS 811.		PLANS PREPARED BY: AECOM 999 N. TOWN AND COUNTRY ROAD ORANGE, CA 92668-4713 (714) 567-2501		COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS RECOMMENDED / APPROVED BY: _____ DATE: _____ XXXX XXXX P.E. DEPUTY DIRECTOR XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS		SHADOW MOUNTAIN ROAD SIGNING & STRIPING PLAN STA 143+00 "A" LINE TO 148+30 "A" LINE STA 187+74 "N" LINE TO 209+17 "N" LINE	
FIELD CHANGES CHANGES: _____ NO CHANGES: _____ RESIDENT ENGINEER: _____ DATE: _____		JAMES FABER R.C.E. 45488 EXPIRES 12-31-12		J.L. REF. J.L. XXXX W.D. NO. XX XXXXXX DRAWING NO. SS-06 SHEET NO. 69 TOTAL SHEETS X			

1/18/2012 Shadow Mountain Rd, CA 92668, 143+00 to 148+30, 187+74 to 209+17

BOX DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

- ① INSTALL NEW SIGN(S) AS SHOWN ON PLANS (NOTE: MAINTAIN 48" CLEAR SPACE AT SIGN POST PER AASD REQUIREMENT)
- ② PAINT TYPE 1V ARROW PER CALTRANS STD PLAN 4204
- ③ PAINT TYPE 1V STOP BAR PER CALTRANS STD PLAN 3015
- ④ PAINT DETAIL 22 STRIPING PER CALTRANS STD PLAN 3016
- ⑤ PAINT DETAIL 127 STRIPING PER CALTRANS STD PLAN 3016
- ⑥ PAINT DETAIL 29 STRIPING PER CALTRANS STD PLAN 4204
- ⑦ PAINT DETAIL 127 STRIPING PER CALTRANS STD PLAN 4204
- ⑧ PAINT DETAIL 38 STRIPING PER CALTRANS STD PLAN 4200
- ⑨ PAINT DETAIL 38 STRIPING PER CALTRANS STD PLAN 4200
- ⑩ PAINT 12" SOLID WHITE CROSSWALK LINE OR STOP LINE
- ⑪ PAINT 12" WHITE DIAGONAL STRIPING 40% ON CENTER
- ⑫ PAINT "SOLID WHITE LINE APPROXIMATELY 100' LONG
- ⑬ PAINT MEDIAN TAPE PER SPCCW STD PLAN 141-2
- ⑭ PAINT MEDIAN FLARE PER SPCCW STD PLAN 141-2
- ⑮ PAINT PAVEMENT MARKING AS SHOWN ON PLANS
- ⑯ PAINT DETAIL 41 STRIPING PER CALTRANS STD PLAN 4200
- ⑰ PAINT DETAIL 41 STRIPING PER CALTRANS STD PLAN 4200
- ⑱ INSTALL STREET NAME MARKER PER COUNTY STD 303 SERIES



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

MARK	CHANGES		
NO CHANGES		RESIDENT ENGINEER	DATE
FIELD CHANGES			

PLANS PREPARED BY:
AECOM
999 N. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

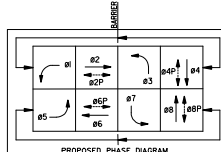
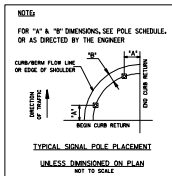
COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

SHADOW MOUNTAIN ROAD
SIGNING & STRIPING PLAN
STA 38+00 "B" LINE TO 50+90 "B" LINE

J.L. REF.	W.O. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXX	SS-09	72	X

10% DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

1	FURNISH AND INSTALL TYPE "C" FLOOR CONTROLLER ASSEMBLY, INCLUDING TYPE 333-3P CABINET, VIDEO DETECTION SYSTEM, GPS TIME SOURCE MODULE UNIT, BATTERY BACK-UP SYSTEM, EMERGENCY DETECTOR SYSTEM AND APPURTENANCE EQUIPMENT. CONTROLLER CABINET AND FOUNDATION SHALL BE INSTALLED PER CALTRANS STANDARD PLANS ES-3C. THE CONTRACTOR SHALL FURNISH AND INSTALL THE VIDEO DETECTION SYSTEM TO PROVIDE THE DESIRED SIGNAL OPERATION AS SHOWN ON THE PLAN. THE CONTROLLER ASSEMBLY AND BATTERY BACK-UP SYSTEM SHALL BE TESTED BY REPUBLIC ITS. THE COST FOR THE CONTROLLER ASSEMBLY AND BBS SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2	FURNISH AND INSTALL 120/240V TYPE "B" SERVICE EQUIPMENT ENCLOSURE CABINET, 120V METERED AND LIGHTING SHALL BE 120V UNMETERED, PROVISIONS SHALL BE MADE FOR THE TYPE "C" PHOTO EYE UNIT. THE SERVICE EQUIPMENT ENCLOSURE CABINET, CONTRACTOR SHALL FURNISH AND INSTALL. TYPE "B" SHALL BE THE SAME AS THE LUMINAIRES.
3	FURNISH AND INSTALL TYPE "C" PFC LIGHTING TYPE IN THE SERVICE EQUIPMENT ENCLOSURE.
4	FURNISH AND INSTALL 3" PVC SCHEDULE 40 WITH FULL-ROUND FROM P.P. -***** TO THE SERVICE CABINET PER S.C.A. APPROVED DRAWINGS. AT LEAST 2 WEEDY ADVANCE NOTICE SHALL BE GIVEN TO THE SOUTHERN CALIFORNIA Edison COMPANY BY CONTACTING THE CUSTOMER SERVICE DEPARTMENTAL HEREIN AT 760-939-3036. EXACT LOCATIONS SHALL BE DETERMINED BY S.C.E.N. IN THE FIELD.
5	FURNISH AND INSTALL VIDEO DETECTION SYSTEM. CAMERA SHALL BE INSTALLED ON THE LUMINAIRE AS THE MANUFACTURER'S SPECIFICATIONS.
6	FURNISH AND INSTALL EMERGENCY DETECTOR SYSTEM. THE DETECTOR ITEM SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND DETAIL "C" SHOWN ON THE PLAN.
7	FURNISH AND INSTALL DOUBLE SIZED REFLECTIVE STREET NAME SIGN (RNS) ON THE SIGNAL. A RSM (SMA) PER CALTRANS STANDARD PLAN ES-70 AND DETAILS "A" OR "B" SHOWN ON THE PLAN. THE ALLOWED SIGN SHALL BE 18" X 24" IN SIZE. THE CONTRACTOR SHALL FURNISH A SAFETY CABLE TO INSTALL THE SIGNS ON THE SMA PER S.DOWN ON THE PLAN.
8	FURNISH AND INSTALL SIGN ON THE SIGNAL MAST ARM PER CALTRANS STANDARD PLAN ES-70



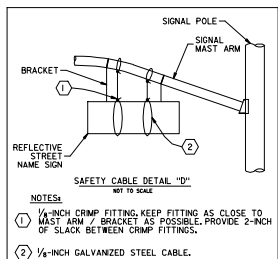
POLE AND EQUIPMENT SCHEDULE															
POLE NO.	TYPE	HEIGHT	SIGNAL STANDARD			POLE		VEHICLE		PEDESTRIAN		FID	PUSH ROD	HPV	REFLECTIVE STREET NAME
			TYPE	SIZE	TYPE	SIZE	TYPE	SIZE	TYPE	SIZE	TYPE				
27	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
28	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
29	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
30	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
31	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
32	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
33	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
34	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
35	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
36	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
37	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
38	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
39	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
40	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
41	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
42	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
43	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
44	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
45	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
46	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
47	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
48	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
49	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"
50	4-10	30'	45"	5"	6"	3"	5"	M-2	5-V-1	64	S-P-1	68	2	200W	DETAIL "A"

ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.

ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED

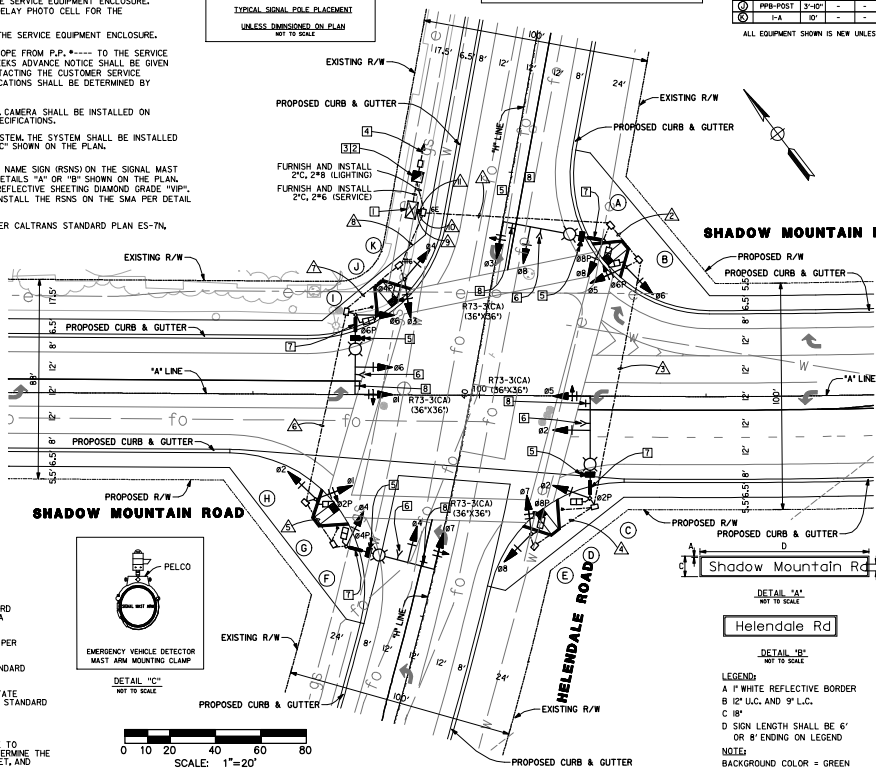
[illegible]

* IO	LUMINAIRE	2	2	2	-	2	2	2	
VIDEO DETECTION	VIDEO CABLE	2	1	1	-	1	1	2	
	VIDEO SERVICE	2	1	1	-	1	1	2	
EMERGENCY PREEMPTION CABLE		2	1	1	-	1	1	2	
CONDUIT SIZE		4½"	4"	3"	3"	3"	4"	4"	
PERCENTAGE FILL		23	20	26	10	17	26	24	
ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.									
ALL CONDUIT SHALL BE GALVANIZED RIGID STEEL.									



- 1- ALL VEHICLE SIGNAL INDICATIONS SHALL BE "ON" AND SHALL BE INSTALLED WITH "LED" SIGNAL MODULES.
- 2- ALL PEDESTRIAN SIGNAL INDICATIONS SHALL BE INSTALLED WITH "LED" PEDESTRIAN MODULES AND COUNTERDOWN TIMERS.
- 3- SIGNAL POLE LOCATIONS ARE APPROXIMATE.
- 4- ALL BACK PLATES SHALL BE LOUVERED.
- 5- ALL BACK PLATES AND VISORS SHALL BE METAL, NO PLASTIC PARTS ARE ALLOWED.
- 6- UNLESS OTHERWISE NOTED, ALL PULL BOXES SHALL BE 45.
- 7- PULL BOX LOCATED IN THE ROADWAY OR SHOULDER AREAS SUBJECT TO TRAFFIC SHALL BE TRAFFIC TYPE PER CALTRANS STANDARD PLATE ES-7A.
- 8- PULL BOXES SHALL BE INSTALLED PER CALTRANS STANDARD PLATES ES-8A, AND SHALL NOT BE INSTALLED IN OR WITHIN A CURB RAMP.
- 9- SLEEVE NUTS SHALL BE USED FOR ALL TYPE I(A)-POLES PER CALTRANS STANDARD PLATE ES-7B.
- 10- PEDESTRIAN PUSH BUTTON SHALL BE PER CALTRANS STANDARD PLATE ES-9, TYPE I(A) AND ES-17A.
- 11- TRAFFIC SIGNALS SHALL BE IN ACCORDANCE TO THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 86 AND STANDARD PLANS (DATED 2001).
- 12- ALL UNUSED TIEWAYS SHALL BE CAPPED.

THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO THE FIELD ENGINEER OF ANY CHANGES TO DETERMINE THE EXACT LOCATIONS FOR SIGNAL POLES, CONTROLLER CABINET, AND REPORTING EQUIPMENT.



LEGEND:
A 1" WHITE REFLECTIVE BORDER
B 12" U.C. AND 9" L.C.
C 18"
D SIGN LENGTH SHALL BE 6'
OR 8' ENDING ON LEGEND

NOTE:
BACKGROUND COLOR = GREEN
BORDER & LETTER COLOR = WHITE

NAME	REVISIONS	APPR.	DATE

MARK	REVISIONS	APPR.	DATE

Don't Dig-Until You Call U.S.A. Toll Free			
DIAL: 811 for the location of utility lines.			
	Don't disrupt utility services.		
NO WORKING DAYS BEFORE YOU DIG			
		DATE	_____
		RESIDENT ENGINEER	_____
		CHANGES	_____
		NO CHANGES	_____
		FIELD CHANGES	

PLANS PREPARED BY
AECOM
999 W. TOWN AND COUNTRY ROAD
ORANGE, CA 92868-4713
(714) 567-2501

COUNTY OF SAN BERNARDINO	
DEPARTMENT OF PUBLIC WORKS	
RECOMMENDED / APPROVED BY	
XXXX XXXX P.E. DEPUTY DIRECTOR	DATE
XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS	DATE

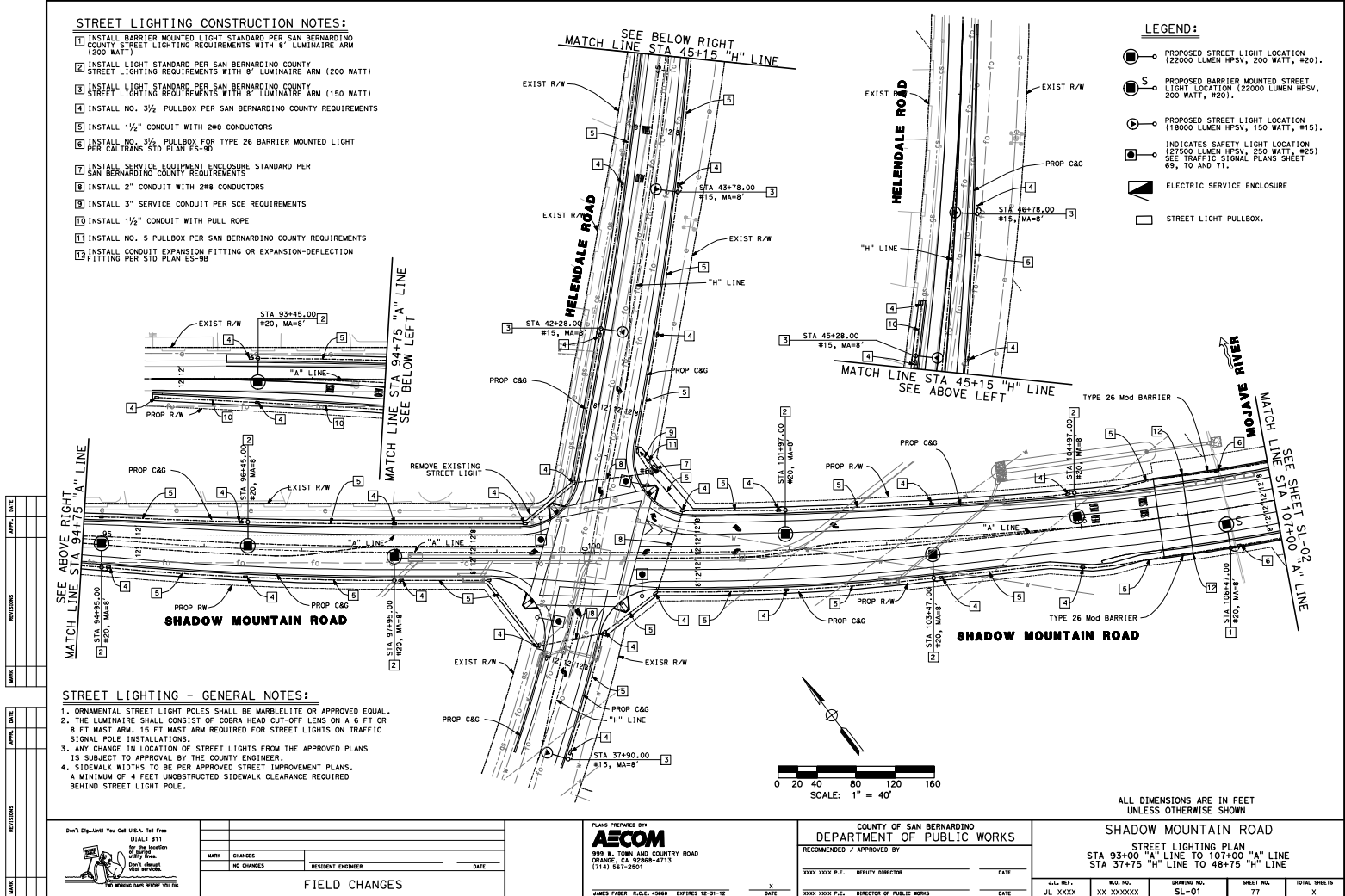
SHADOW MOUNTAIN ROAD AT HELENDALE ROAD TRAFFIC SIGNAL AND LIGHTING PLAN HELENDALE AREA				
J.L. REF.	S.D. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXXX	XX XXXXXXX	TS-01	74	X

STREET LIGHTING CONSTRUCTION NOTES:

1. INSTALL BARRIER MOUNTED LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8" LUMINAIRE ARM (200 WATT)
2. INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8" LUMINAIRE ARM (200 WATT)
3. INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8" LUMINAIRE ARM (150 WATT)
4. INSTALL NO. 3/4 PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS
5. INSTALL 1/2" CONDUIT WITH 2#8 CONDUCTORS
6. INSTALL NO. 3/4 PULLBOX FOR TYPE 26 BARRIER MOUNTED LIGHT PER CALTRANS STD PLAN ES-90
7. INSTALL SERVICE EQUIPMENT ENCLOSURE STANDARD PER SAN BERNARDINO COUNTY REQUIREMENTS
8. INSTALL 2" CONDUIT WITH 2#8 CONDUCTORS
9. INSTALL 3" SERVICE CONDUIT PER SCE REQUIREMENTS
10. INSTALL 1/2" CONDUIT WITH PULL ROPE
11. INSTALL NO. 5 PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS
12. INSTALL CONDUIT EXPANSION FITTING OR EXPANSION-DEFLECTION FITTING PER STD PLAN ES-98

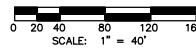
LEGEND:

- PROPOSED STREET LIGHT LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED BARRIER MOUNTED STREET LIGHT LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED STREET LIGHT LOCATION (18000 LUMEN HPSV, 150 WATT, #15).
- INDICATES SAFETY LIGHT LOCATION (27500 LUMEN HPSV, 250 WATT, #25) SEE TRAFFIC SIGNAL PLANS SHEET 69, 70 AND 71.
- ELECTRIC SERVICE ENCLOSURE
- STREET LIGHT PULLBOX.



STREET LIGHTING - GENERAL NOTES:

1. ORNAMENTAL STREET LIGHT POLES SHALL BE MARBLELITE OR APPROVED EQUAL.
2. THE LUMINAIRE SHALL CONSIST OF COBRA HEAD CUT-OFF LENS ON A 6 FT OR 8 FT MAST ARM. 15 FT MAST ARM REQUIRED FOR STREET LIGHTS ON TRAFFIC SIGNAL POLE INSTALLATIONS.
3. ANY CHANGE IN LOCATION OF STREET LIGHTS FROM THE APPROVED PLANS IS SUBJECT TO APPROVAL BY THE COUNTY ENGINEER.
4. SIDEWALK WIDTHS TO BE PER APPROVED STREET IMPROVEMENT PLANS. A MINIMUM OF 4 FEET UNOBSTRUCTED SIDEWALK CLEARANCE REQUIRED BEHIND STREET LIGHT POLE.



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN



Don't Dig Until You Get U.S.A. 1st Free
DIALS #11
for the location
of the line.
Only 10¢
per call.
NO BIDDING DAYS BEFORE '90 TO GO

FIELD CHANGES

PLAN PREPARED BY
AECOM
999 N. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

JAMES FABER R.C.E. 45488 EXPIRES 12-31-12

COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

RECOMMENDED / APPROVED BY
XXXX XXXX P.E. DEPUTY DIRECTOR
DATE
XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS
DATE

SHADOW MOUNTAIN ROAD
STREET LIGHTING PLAN

STA 93+00 "A" LINE TO 107+00 "A" LINE
STA 37+75 "H" LINE TO 48+75 "H" LINE

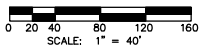
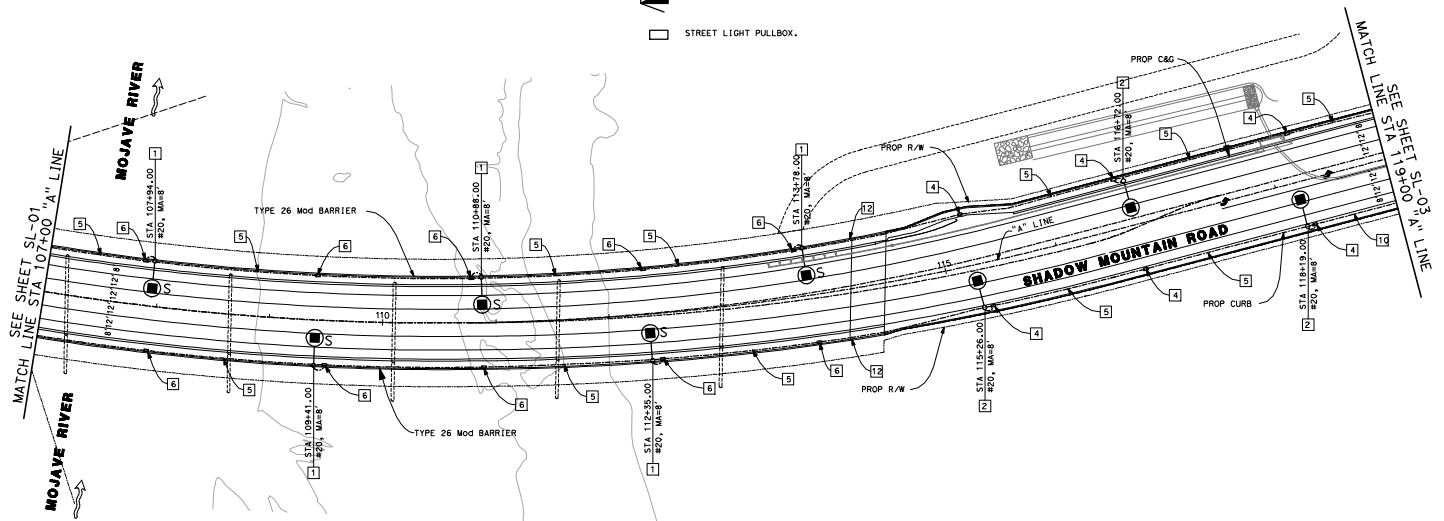
J.L. REF.	N.D. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXX	SL-01	77	X

STREET LIGHTING CONSTRUCTION NOTES:

1. INSTALL BARRIER MOUNTED LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (200 WATT)
2. INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (200 WATT)
4. INSTALL NO. 3/4" PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS
5. INSTALL 1/2" CONDUIT WITH 2#8 CONDUCTORS
6. INSTALL NO. 3/4" PULLBOX FOR TYPE 26 BARRIER MOUNTED LIGHT PER CALTRANS STD PLAN ES-90
13. INSTALL 1/2" CONDUIT WITH PULL ROPE
13. INSTALL CONDUIT EXPANSION FITTING OR EXPANSION-DEFLECTION FITTING PER STD PLAN ES-90

LEGEND:

- PROPOSED STREET LIGHT LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED BARRIER MOUNTED STREET LIGHT LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED STREET LIGHT LOCATION (18000 LUMEN HPSV, 150 WATT, #15).
- INDICATES SAFETY LIGHT LOCATION (27500 LUMEN HPSV, 250 WATT, #25) SEE TRAFFIC SIGNAL PLANS SHEET 69, 70 AND 71.
- ELECTRIC SERVICE ENCLOSURE
- STREET LIGHT PULLBOX.



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

REVISIONS	DATE	BY	CHKD

REVISIONS	DATE	BY	CHKD



DATE	CHANGES	RESIDENT ENGINEER	DATE

FIELD CHANGES

PLANS PREPARED BY
AECOM
999 N. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS	
RECOMMENDED / APPROVED BY	DATE
XXXX XXXX P.E. DEPUTY DIRECTOR	
XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS	

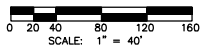
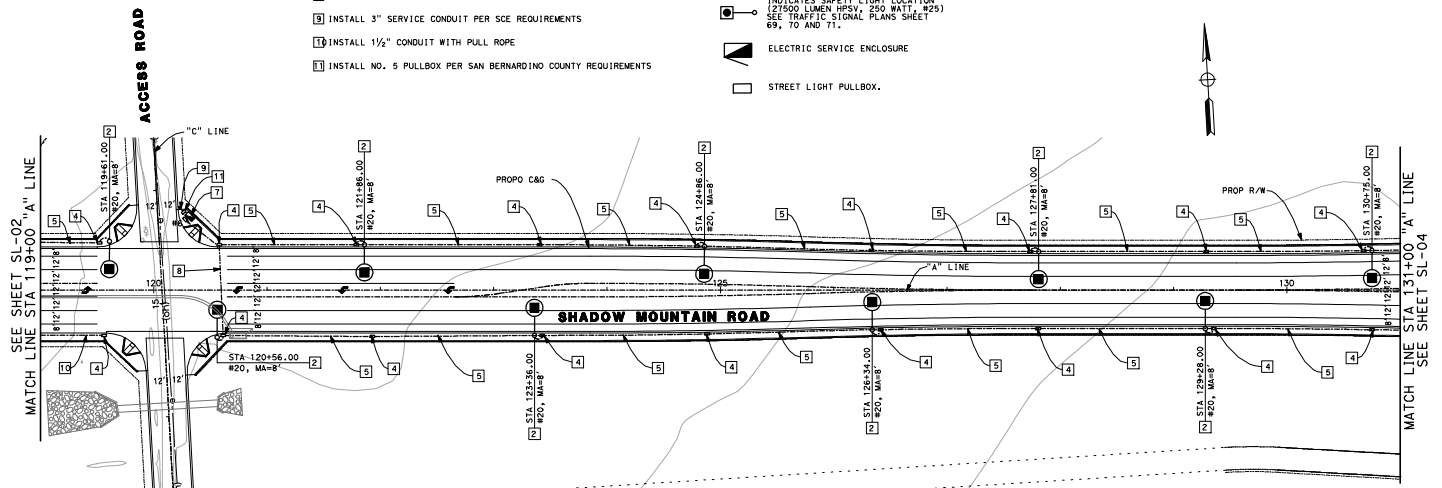
SHADOW MOUNTAIN ROAD STREET LIGHTING PLAN STA 107+00 "A" LINE TO 119+00 "A" LINE				
J.L. REF.	N.D. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXX	SL-02	78	X

\\s01\0009 Shadow Mountain\03\000_CAD\004_01\11\000\118_SL-02.dwg
6/20/2012

BOX DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

- 2) INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (200 WATT)
- 4) INSTALL NO. 3/4" PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS
- 5) INSTALL 1/2" CONDUIT WITH 2#8 CONDUCTORS
- 7) INSTALL SERVICE EQUIPMENT ENCLOSURE STANDARD PER SAN BERNARDINO COUNTY REQUIREMENTS
- 8) INSTALL 2" CONDUIT WITH 2#8 CONDUCTORS
- 9) INSTALL 3" SERVICE CONDUIT PER SCE REQUIREMENTS
- 13) INSTALL 1/2" CONDUIT WITH PULL ROPE
- 14) INSTALL NO. 5 PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS

- PROPOSED STREET LIGHT LOCATION
(22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED BARRIER MOUNTED STREET LIGHT
LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED STREET LIGHT LOCATION
(18000 LUMEN HPSV, 150 WATT, #15).
- INDICATES SAFETY LIGHT LOCATION
(27500 LUMEN HPSV, 250 WATT, #25)
SEE TRAFFIC SIGNAL PLANS SHEET
69, 70 AND 71.
- ELECTRIC SERVICE ENCLOSURE
- STREET LIGHT PULLBOX.



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

Don't Dig...Until You Call U.S.A. Toll Free
DIAL: 811
for the location
of buried
utility lines.
Don't disrupt
vital services.



TWO WORKING DAYS BEFORE YOU

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES			

FIELD CHANGES

PLANS PREPARED BY
AECOM
999 W. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

▲ 以上数据由国家统计局公布

COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

RECOMMENDED / APPROVED BY

XXXX XXXX P.E. DEPUTY DIRECTOR _____ DATE _____

XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS _____ DATE _____

SHADOW MOUNTAIN ROAD

STREET LIGHTING PLAN
STA 119+00 "A" LINE TO 131+00 "A" LINE

J.L. REF. JL XXXX	W.O. NO. XX XXXXXX	DRAWING NO. SL-03	SHEET NO. 79	TOTAL SHEETS X
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\\r\0180000 Shadow Mountain 03\000_CAD\006_civil\Sheets\19_S1-03.dgn
6/22/2012

30% DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

1. INSTALL BRACKET MOUNTED LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (200 WATT)
2. INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (200 WATT)
3. INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (150 WATT)
4. INSTALL NO. 3/4" PULLBOX FOR SAN BERNARDINO COUNTY REQUIREMENTS
5. INSTALL 1/2" CONDUIT WITH 248 CONDUCTORS
6. INSTALL NO. 3/4" PULLBOX FOR TYPE 26 BRACKET MOUNTED LIGHT PER GRANDS STD PLAN 96-08
7. INSTALL 1/2" CONDUIT WITH FULL RPE
8. CONDUIT CONDUIT EXPANSION FITTING OR EXPANSION-DEFLECTION FITTING PER STD PLAN ES-98

 PROPOSED STREET LIGHT LOCATION
(22000 LUMEN NPVS, 200 WATT, #20).

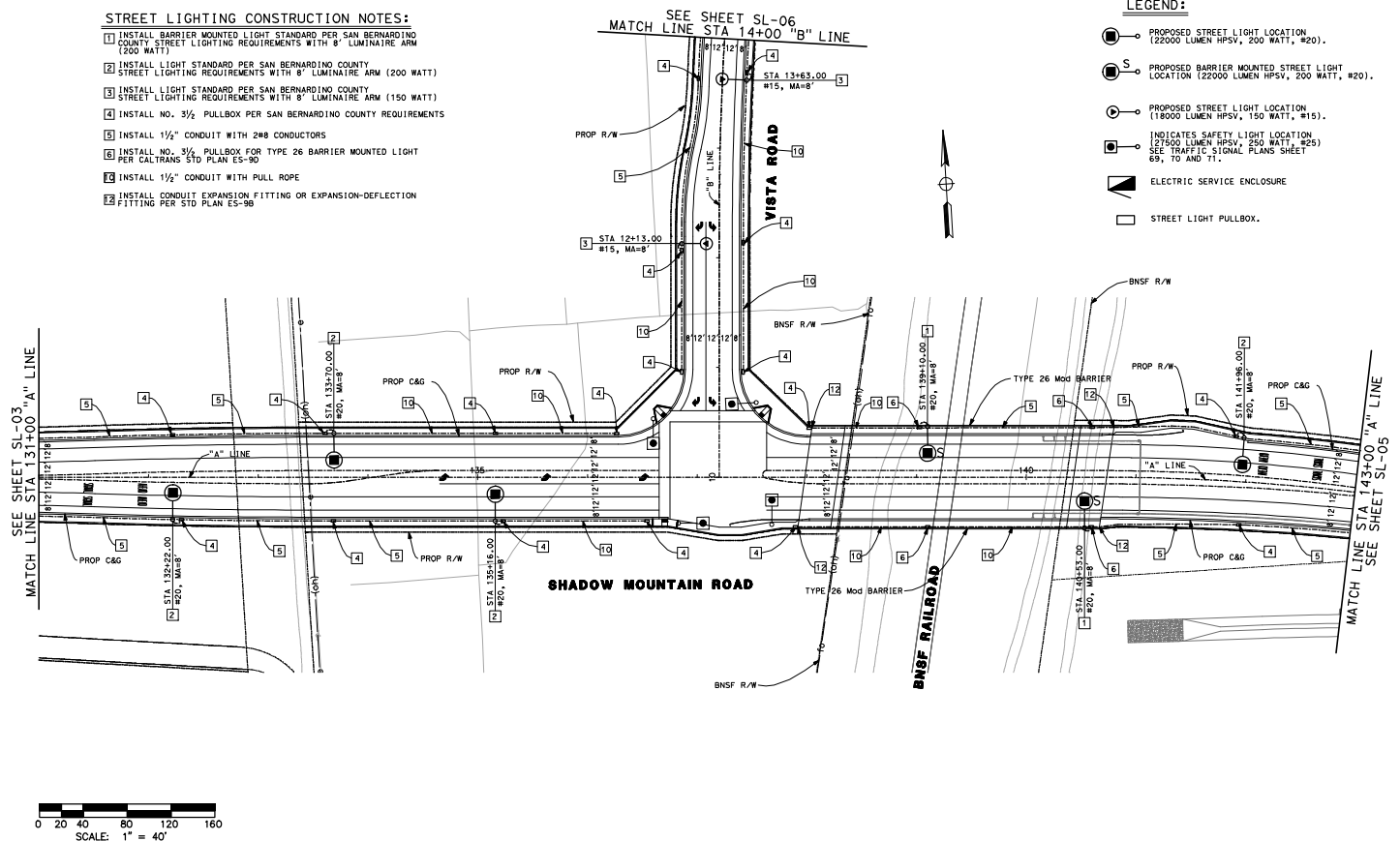
 PROPOSED BARRIER MOUNTED STREET LIGHT
LOCATION (22000 LUMEN NPVS, 200 WATT, #20).

 PROPOSED STREET LIGHT LOCATION
(18000 LUMEN NPVS, 150 WATT, #15).

 INDICATES SAFETY LIGHT LOCATION
(27500 LUMEN NPVS, 250 WATT, #25)
SEE TRAFFIC SIGNAL PLANS SHEET
69, TO AND 71.

 ELECTRIC SERVICE ENCLOSURE

 STREET LIGHT PULLBOX.



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

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for the location
of buried
utility lines.
Don't disrupt
vital services.

FIELD CHANGES

PLANS PREPARED BY:
AECOM
999 W. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

SHADOW MOUNTAIN ROAD
STREET LIGHTING PLAN
STA 131+00 "A" LINE TO 143+00 "A" LINE
STA 140+00 "B" LINE TO 144+00 "B" LINE

J.L. REF. JL XXXX	W.O. NO. XX XXXXXX	DRAWING NO. SL-04	SHEET NO. 80	TOTAL SHEETS X
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\\r101s0008 Shadow Mountain 03\000_CAD\006_civil\Sheets\80_S1-04.dgn
6/22/2012

30% DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

SEE SHEET SL-04
MATCH LINE STA 143+00 "A" LINE

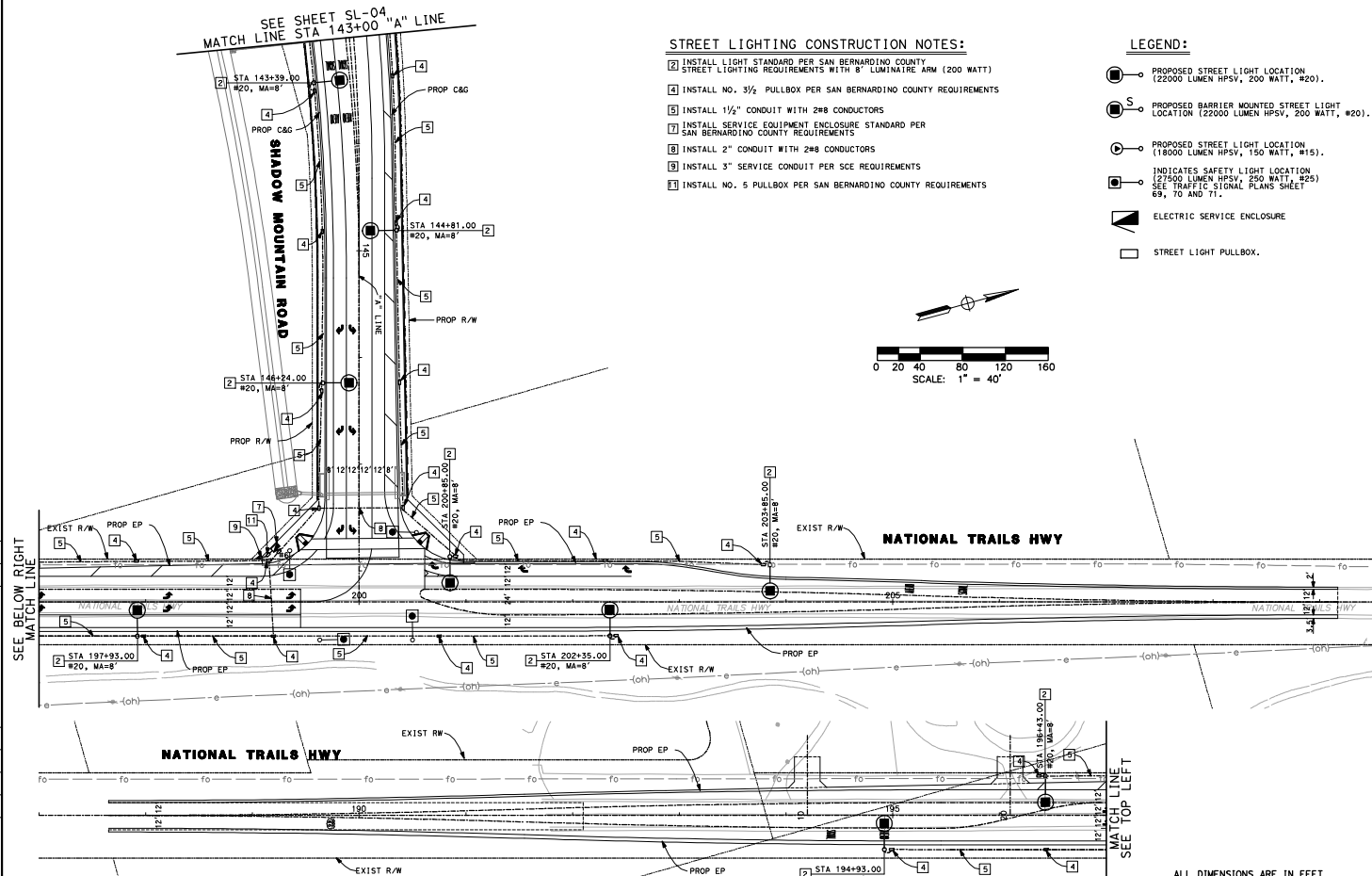
STREET LIGHTING CONSTRUCTION NOTES:

- [2] INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (200 WATT)
- [4] INSTALL NO. 3 1/2 PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS
- [5] INSTALL 1 1/2" CONDUIT WITH 2#8 CONDUCTORS
- [7] INSTALL SERVICE EQUIPMENT ENCLOSURE STANDARD PER SAN BERNARDINO COUNTY REQUIREMENTS
- [8] INSTALL 2" CONDUIT WITH 2#8 CONDUCTORS
- [9] INSTALL 3" SERVICE CONDUIT PER SCE REQUIREMENTS
- [1] INSTALL NO. 5 PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS

LEGEND:

- PROPOSED STREET LIGHT LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED BARRIER MOUNTED STREET LIGHT LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED STREET LIGHT LOCATION (18000 LUMEN HPSV, 150 WATT, #15).
- INDICATES SAFETY LIGHT LOCATION (27500 LUMEN HPSV, 250 WATT, #25) SEE TRAFFIC SIGNAL PLANS SHEET 69, 70 AND 71.
- ELECTRIC SERVICE ENCLOSURE
- STREET LIGHT PULLBOX.

0 20 40 80 120 160
SCALE: 1" = 40'



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

APPROVAL	DATE

APPROVAL	DATE



MARK	CHANGES	RESIDENT ENGINEER	DATE
NO CHANGES			

FIELD CHANGES

PLANS PREPARED BY
AECOM
999 N. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

JAMES FABER R.C.E. 45488 EXPIRES 12-31-12

COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS	
RECOMMENDED / APPROVED BY	DATE
XXXX XXXX P.E. DEPUTY DIRECTOR	
XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS	

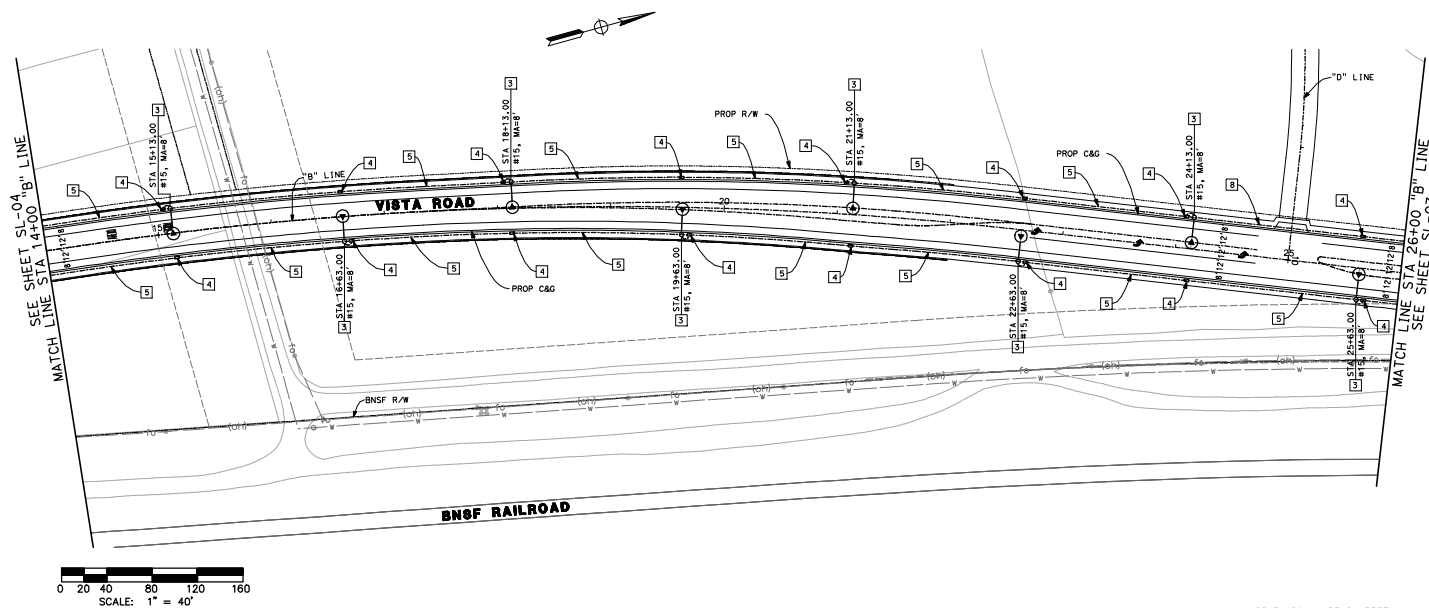
SHADOW MOUNTAIN ROAD STREET LIGHTING PLAN STA 143+00 "A" LINE TO 148+30 "A" LINE STA 187+74 "N" LINE TO 209+17 "N" LINE				
J.L. REF.	N.D. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXX	SL-05	81	X

\\s01\0000 Shadow Mountain SL-000_CAD\004_0111\0000\SL-05.dwg
6/20/2012

60X DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

- 3) INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8" LUMINAIRE ARM (150 WATT)
- 4) INSTALL NO. 3/2 PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS
- 5) INSTALL 1 1/2" CONDUIT WITH 2#8 CONDUCTORS
- 6) INSTALL 2" CONDUIT WITH 2#8 CONDUCTORS

- PROPOSED STREET LIGHT LOCATION
(20000 LUMEN HPVS, 200 WATT, #20).
- PROPOSED BARRIER MOUNTED STREET LIGHT
LOCATION (22000 LUMEN HPVS, 200 WATT, #20).
- PROPOSED STREET LIGHT LOCATION
(18000 LUMEN HPVS, 150 WATT, #15).
- INDICATES SAFETY LIGHT LOCATION
(75000 LUMEN HPVS, 250 WATT, #25)
SEE TRAFFIC SIGNAL PLANS SHEET
69, TO AND 71.
- ELECTRIC SERVICE ENCLOSURE
- STREET LIGHT PULB.OX.



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of buried
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vital services.

MARK	CHANGES
	NO CHANGES

FIELD CHANGES

PLANS PREPARED BY:
AECOM
999 N. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

RECOMMENDED / APPROVED BY

XXXX XXXX P.E. DEPUTY DIRECTOR DATE

SHADOW MOUNTAIN ROAD

STREET LIGHTING PLAN
STA 14+00 "R" LINE TO 26+00 "R" LINE

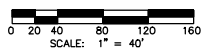
J.L. REF.	W.O. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXXX	SL-06	82	X

\\s01s0008 Shadow Mountain CS\000_CAD\006_civil\Sheets\82_SL-06.dgn
6/22/2012

90% DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

- 3] INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (150 WATT)
- 4] INSTALL NO. 3/2 PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS
- 5] INSTALL 1 1/2" CONDUIT WITH 2#8 CONDUCTORS
- 6] INSTALL 2 " CONDUIT WITH 2#8 CONDUCTORS

- PROPOSED STREET LIGHT LOCATION
(22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED BARRIER MOUNTED STREET LIGHT
LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED STREET LIGHT LOCATION
(18000 LUMEN HPSV, 150 WATT, #15).
- INDICATES SAFETY LIGHT LOCATION
(27500 LUMEN HPSV, 250 WATT, #25)
SEE TRAFFIC SIGNAL PLANS SHEET
69, 70 AND 71.
- ELECTRIC SERVICE ENCLOSURE
- STREET LIGHT PULLBOX.



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of buried
utility lines.
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vital services.

MARK	CHANGES	RESIDENT ENGINEER _____ DATE _____
	NO CHANGES	
FIELD CHANGES		

FIELD CHANGES

PLANS PREPARED BY
AECOM
999 W. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

RECOMMENDED / APPROVED BY	
XXXX XXXX P.E. DEPUTY DIRECTOR	DATE
XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS	DATE

STREET LIGHTING PLAN
STA 26+00 "B" LINE TO 38+00 "B" LINE

J.L. REF.	W.O. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXX	SL-07	83	X

R:\0180888 Shadow Mountain GS\000_CAD\006_Civil\Sheets\83_SL-07.dgn
6/22/2013

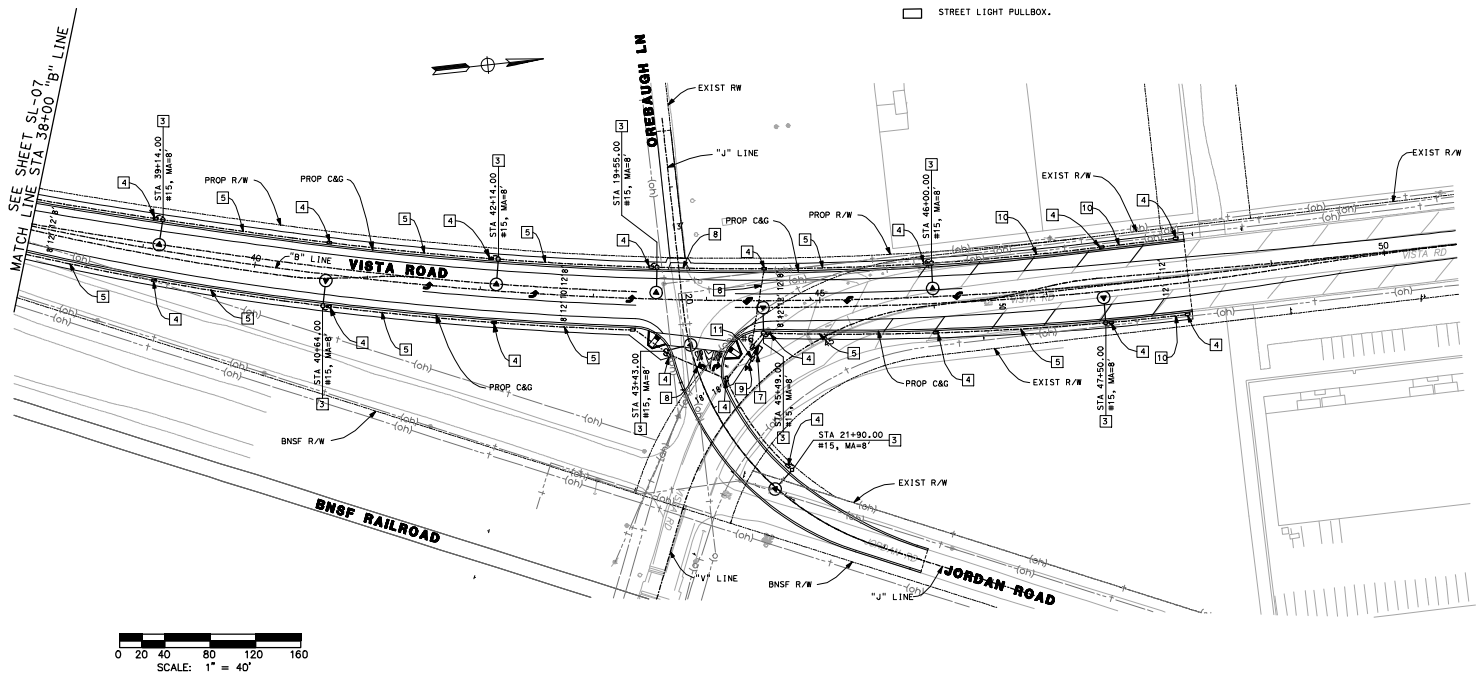
30% DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

STREET LIGHTING CONSTRUCTION NOTES:

- 3) INSTALL LIGHT STANDARD PER SAN BERNARDINO COUNTY STREET LIGHTING REQUIREMENTS WITH 8' LUMINAIRE ARM (150 WATT)
- 4) INSTALL NO. 3/4" PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS
- 5) INSTALL 1/2" CONDUIT WITH 2#8 CONDUCTORS
- 7) INSTALL SERVICE EQUIPMENT ENCLOSURE STANDARD PER SAN BERNARDINO COUNTY REQUIREMENTS
- 8) INSTALL 2" CONDUIT WITH 2#8 CONDUCTORS
- 9) INSTALL 3" SERVICE CONDUIT PER SCE REQUIREMENTS
- 10) INSTALL 1/2" CONDUIT WITH PULL ROPE
- 11) INSTALL NO. 5 PULLBOX PER SAN BERNARDINO COUNTY REQUIREMENTS

LEGEND:

- PROPOSED STREET LIGHT LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED BARRIER MOUNTED STREET LIGHT LOCATION (22000 LUMEN HPSV, 200 WATT, #20).
- PROPOSED STREET LIGHT LOCATION (18000 LUMEN HPSV, 150 WATT, #15).
- INDICATES SAFETY LIGHT LOCATION (27000 LUMEN HPSV, 250 WATT, #25) SEE TRAFFIC SIGNAL PLANS SHEET 69, 70 AND 71.
- ELECTRIC SERVICE ENCLOSURE
- STREET LIGHT PULLBOX.



0 20 40 80 120 160
SCALE: 1" = 40'

ALL DIMENSIONS ARE IN FEET
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DATE	APPROVED	DATE
DATE	APPROVED	DATE
DATE	APPROVED	DATE
DATE	APPROVED	DATE

FIELD CHANGES

PLANS PREPARED BY
AECOM
999 N. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS
RECOMMENDED / APPROVED BY
XXXX XXXX P.E. DEPUTY DIRECTOR
DATE
XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS
DATE

SHADOW MOUNTAIN ROAD
STREET LIGHTING PLAN
STA 38+00 "B" LINE TO 50+90 "B" LINE

J.L. REF.	N.D. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXX	SL-08	84	X

6/20/2012

BOX DRAFT SUBMITTAL - NOT FOR CONSTRUCTION

