

DATE SUBMITTED 10/29/15
 SUBMITTED BY PLANNING DIRECTOR
 DATE ACTION REQUIRED 11/04/15

COUNCIL ACTION ()
 PUBLIC HEARING REQUIRED ()
 RESOLUTION ()
 ORDINANCE 1ST READING ()
 ORDINANCE 2ND READING ()
 CITY CLERK'S INITIALS ()

**IMPERIAL CITY COUNCIL
 AGENDA ITEM**

SUBJECT: DISCUSSION/ACTION:
ATEN BLVD. PHASE III REHABILITATION AND RECONSTRUCTION FROM CROSS AVENUE TO DOGWOOD ROAD
1. CONSTRUCTION CHANGE ORDER #1 RELATED TO REHABILITATION AND RECONSTRUCTION WORK.
 FEDERAL AID PROJECT # RSTP-5134 (018)
 CITY OF IMPERIAL BID NO. 2015 - 09

DEPARTMENT INVOLVED: PLANNING

BACKGROUND/SUMMARY:

The City was able to obtain funding through the Regional Surface Transportation Program (RSTP) for the rehabilitation and reconstruction of Aten Blvd. from Cross Avenue to Dogwood Road.

Staff released RFPs published in the Imperial Valley Press, our City website as well as BidAmerica.com and isqft.com planrooms as BID NO. 2015-09 to solicit Proposals from contractors and professional firms to complete the construction work as specified in the improvement plans for the project.

On September 19, 2015 City Council Members awarded a contract to “Aggregate Products, Inc.” (API), the lowest responsive bidder, in the amount of \$ 763,491.40.

Construction operations begun on Friday, October 09, 2015. Due to unforeseen conditions and minor design changes for improving ride quality by eliminating uneven road surface, as well as to accommodate a left-turn pocket, the following changes were made from the original contract scope of work.

1) ¾” Cold Mill. Area outlined in red. See Sheets 2 & 3 of 5.	279,414.80 SF @ \$0.32/SF =	\$89,412.74
2) 2” Grinding PCC at Station 27+75. Area outlined in green. See Sheets 3 of 5.	880.00 SF @ \$9.68/SF =	\$ 8,518.40
3) Revised striping to accommodate a left-turn pocket (Legakes). See sheet 4 of 5.	Lump Sum =	\$ 1,986.00
4) Replace two (2) Loop Detectors recently install for Aten & Dogwood traffic light. See Sheet 8 of 8 and photos.	2 EA @ \$2,500.00/EA =	\$ 5,000.00

5) Deduct 1.5" Cold Mill @ shoulder Per Bid Proposal Item 3

14,916 SF @ \$1.35/SF = **-\$ 20,136.60**

Total Contract Increase = \$84,780.54 (11.10% of original contract amount).

FISCAL IMPACT: \$84,780.54

F.O. INITIALS: _____

STAFF RECOMMENDATION:

Staff reviewed costs and quantifications of proposed change order. Staff recommend approval of "CONSTRUCTION CHANGE ORDER No. 1" in the amount of **\$84,780.54**

MANAGER'S RECOMMENDATION:

MANAGER'S INITIALS

MOTION:

SECONDED:

AYES:

NAYES:

ABSENT:

APPROVED ()

DISAPPROVED ()

REFERRED TO:

REJECTED ()

DEFERRED ()

Total Contract Increase = **\$84,780.54** (11.10% of original contract amount).

Not valid until signed by both the Owner and the Contractor.

Signature indicates his agreement herewith, including any adjustment in the contract sum or contract time.

Authorized by:

City of Imperial
420 South Imperial Avenue
Imperial, CA 92251
By:

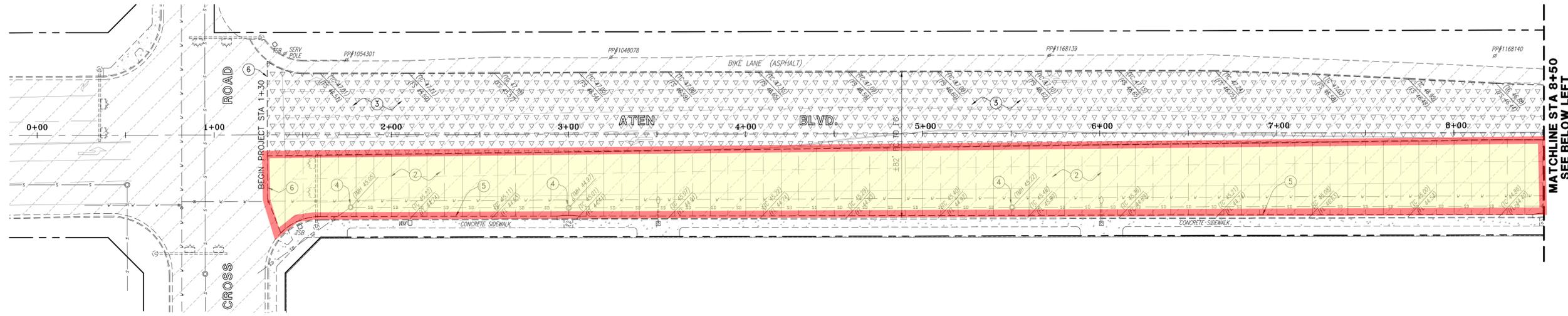
Date:

Marlene D. Best
City Manager

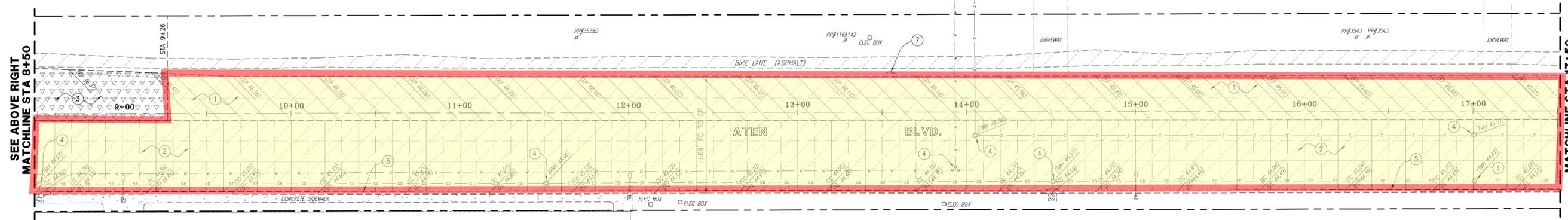
Aggregate Products Inc.
100 West Brawley Avenue
Salton Sea Beach, CA 92274
By:

Date:

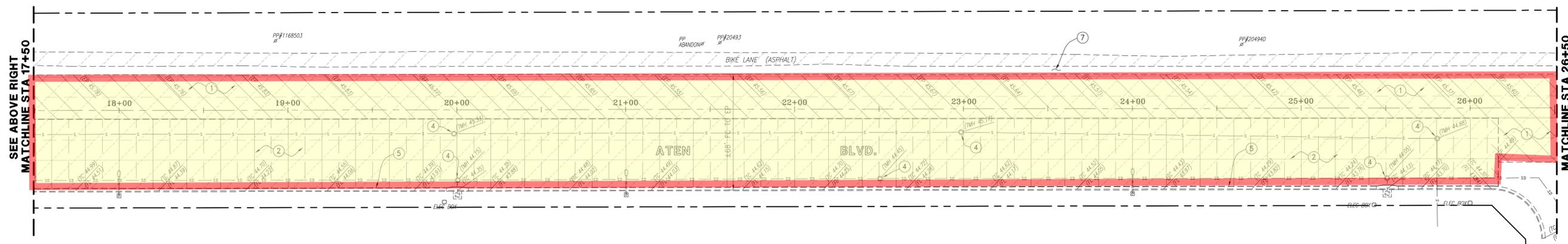
John Velez
Contract Administrator



SCALE: 1" = 30'



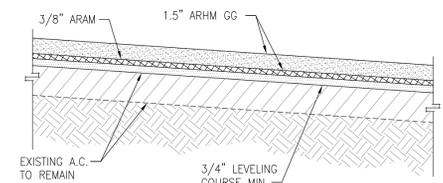
SCALE: 1" = 30'



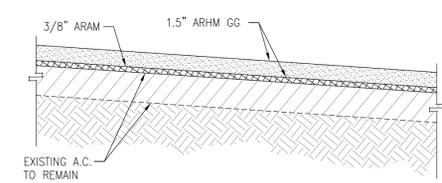
SCALE: 1" = 30'

OVERLAY KEYNOTES

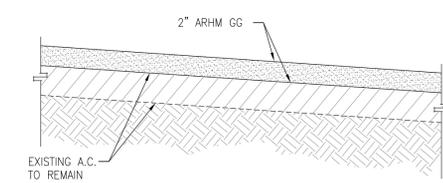
- ① OVERLAY 1-1/2" WITH ARHM-GG ON 3/8" ARAM OVER 3/4" LEVELING COURSE PER DETAIL
- ② OVERLAY 1-1/2" WITH ARHM-GG ON 3/8" ARAM PER DETAIL
- ③ OVERLAY 2" WITH ARHM-GG PER DETAIL
- ④ ADJUST TO GRADE EXISTING WATER VALVE, SEWER/STORM DRAIN MANHOLE AS NECESSARY
- ⑤ CONSTRUCT AC PAVEMENT / CONCRETE JOINT PER DETAIL
- ⑥ CONSTRUCT AC OVERLAY TERMINATION JOINT PER DETAIL
- ⑦ REGRADE SHOULDER WHEN REQUIRED PER DETAIL



OVERLAY DETAIL ① N.T.S.

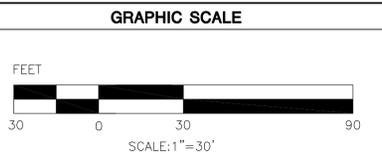


OVERLAY DETAIL ② N.T.S.



OVERLAY DETAIL ③ N.T.S.

"FOR REVIEW ONLY"
 THESE PLANS HAVE BEEN PRINTED PRIOR TO THE ISSUANCE OF A PUBLIC WORKS PERMIT AND ARE SUBJECT TO CHANGE.



APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR
 CITY OF IMPERIAL, CA.
 BY: JACKIE LOPER DATE: _____

ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF
 BY: JOSE J. AVILA DATE: _____
 R.C.E. No.: 66706

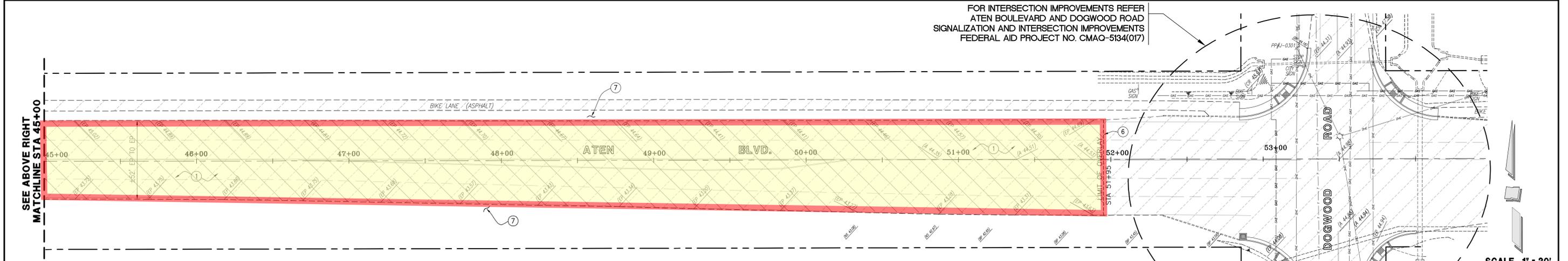
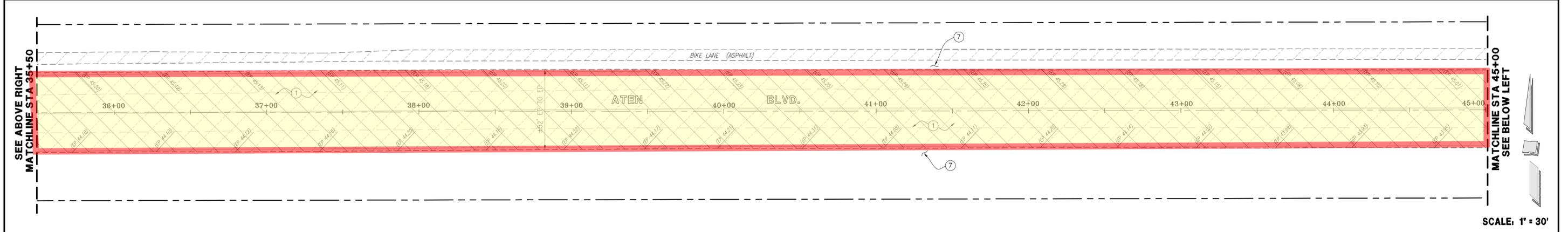
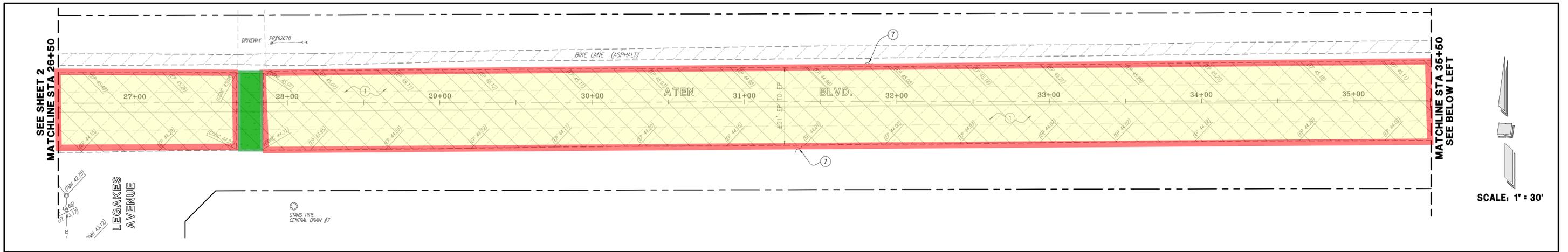


NO.	REVISION	DATE	BY

BJ
ENGINEERING & SURVEYING, INC.
 Phone (760) 353-3552 341 WEST CROWN COURT, SUITE 100
 Fax (760) 353-3751 IMPERIAL, CA 92251

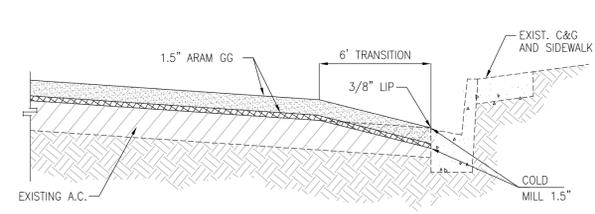
EAST ATEN BLVD. REHABILITATION PHASE 3
FROM CROSS ROAD TO DOGWOOD ROAD
OVERLAY PLAN
 FROM STA 1+30 TO STA 26+50
 IN THE CITY OF IMPERIAL, CA. DATE: 03/09/15 BY: JH
 CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016

SHEET 2 OF 5

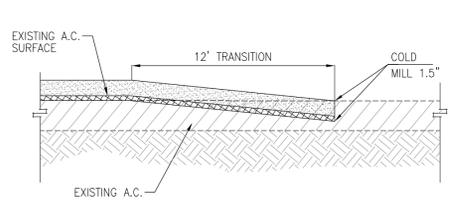


FOR INTERSECTION IMPROVEMENTS REFER
 ATEN BOULEVARD AND DOGWOOD ROAD
 SIGNALIZATION AND INTERSECTION IMPROVEMENTS
 FEDERAL AID PROJECT NO. CMAQ-5134(017)

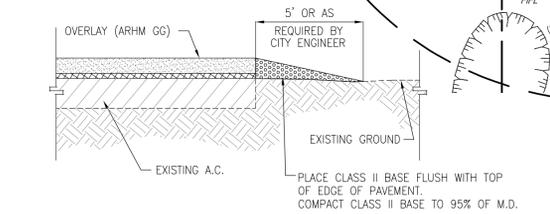
- OVERLAY KEYNOTES**
- ① OVERLAY 1-1/2" WITH ARHM-GG ON 3/8" ARAM OVER 3/4" LEVELING COURSE PER DETAIL
 - ② OVERLAY 1-1/2" WITH ARHM-GG ON 3/8" ARAM PER DETAIL
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 - ⑤ CONSTRUCT AC PAVEMENT / CONCRETE JOINT PER DETAIL
 - ⑥ CONSTRUCT AC OVERLAY TERMINATION JOINT PER DETAIL
 - ⑦ REGRADE SHOULDER WHEN APPLY PER DETAIL



TYPICAL AC PAVEMENT / CONCRETE JOINT DETAIL N.T.S. 4



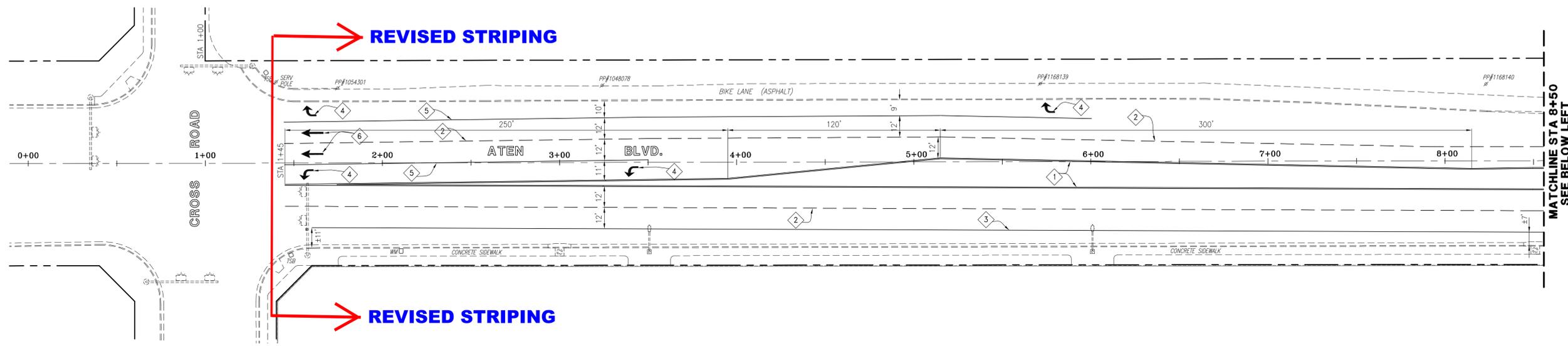
TYPICAL AC OVERLAY TERMINATION JOINT DETAIL N.T.S. 5



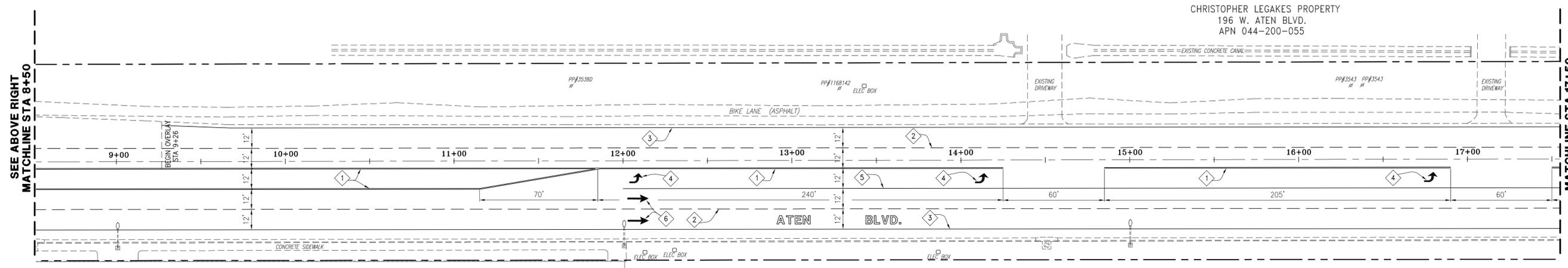
REGRADE SHOULDER DETAIL N.T.S. 6

"FOR REVIEW ONLY"
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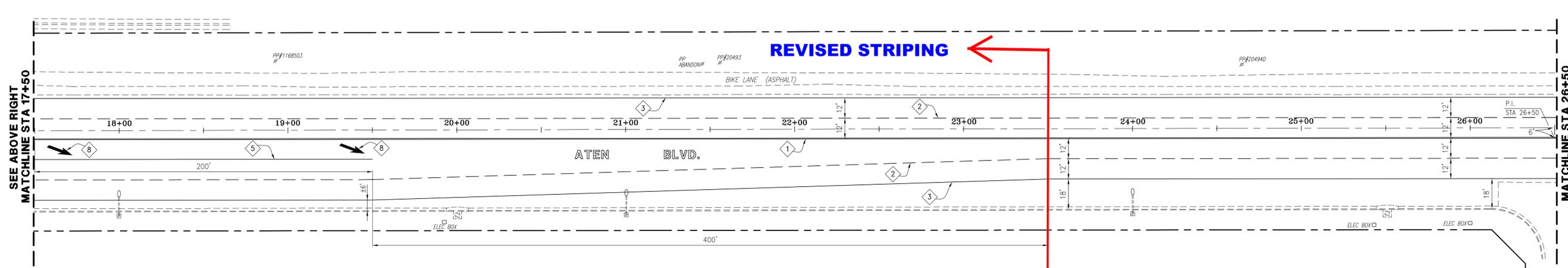
GRAPHIC SCALE SCALE: 1"=30'	APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR CITY OF IMPERIAL, CA. BY: JACKIE LOPER DATE: _____	ENGINEER OF RECORD PLANS PREPARED UNDER THE SUPERVISION OF BY: JOSE J. AVILA DATE: _____ R.C.E. NO.: 66706		NO. REVISION DATE BY		EAST ATEN BLVD. REHABILITATION PHASE 3 FROM CROSS ROAD TO DOGWOOD ROAD OVERLAY PLAN FROM STA 26+50 TO STA 54+00	SHEET 3 OF: 5
				NOTE: THE ENGINEER'S SEAL AFFIXED BESIDE INDICATES THAT THE METHOD OF ANALYSIS PRESENTED IS CONSISTENT WITH ACCEPTED ENGINEERING PRACTICES AND CODE ACCEPTED DESIGN VALUES AND THAT THIS ENGINEER IS ONLY RESPONSIBLE FOR THE DESIGN OF CIVIL ENGINEERING WORK SHOWN ON THIS PLAN.			



SCALE: 1" = 30'



SCALE: 1" = 30'



SCALE: 1" = 30'

- STRIPING KEYNOTES**
- 1 INSTALL DOUBLE YELLOW NO PASSING ZONE PER CALTRANS STANDARD PLAN A20A, DETAIL 23
 - 2 INSTALL LANELINE PER CALTRANS STANDARD PLAN A20A, DETAIL 10
 - 3 PAINT 4" SOLID WHITE RIGHT EDGELINE PER CALTRANS STANDARD PLAN A20B, DETAIL 27B
 - 4 PAINT TYPE IV (L) ARROW PER CALTRANS STANDARD PLAN A24A
 - 5 INSTALL CHANNELIZING LINE PER CALTRANS STANDARD PLAN A20D, DETAIL 38C
 - 6 PAINT TYPE I ARROW PER CALTRANS STANDARD PLAN A24A
 - 7 REMOVE ANY CONFLICTING SIGNS AND LEGENDS
 - 8 PAINT TYPE VI (L) ARROW PER CALTRANS STANDARD PLAN A24A

REVISED STRIPING

REVISED DATE: 10/16/2015

<p>GRAPHIC SCALE</p> <p>SCALE: 1"=30'</p>	<p>APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR</p> <p>CITY OF IMPERIAL, CA.</p> <p>BY: JACKIE LOPER DATE: _____</p>	<p>ENGINEER OF RECORD</p> <p>PLANS PREPARED UNDER THE SUPERVISION OF</p> <p>BY: JOSE J. AVILA DATE: _____</p> <p>R.C.E. NO.: 66706</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ADD LEFT TURN STRIPING AT LEGAKES PROPERTY, PER CITY REQUIREMENTS</td> <td>10-16-15</td> <td>JH</td> </tr> </tbody> </table>	NO.	REVISION	DATE	BY	1	ADD LEFT TURN STRIPING AT LEGAKES PROPERTY, PER CITY REQUIREMENTS	10-16-15	JH	<p style="font-size: 2em; font-weight: bold; text-align: center;">BJ</p> <p style="text-align: center;">ENGINEERING & SURVEYING, INC.</p> <p style="font-size: 0.8em;">Phone (760) 353-3552 341 WEST CROWN COURT, SUITE 100 Fax (760) 353-3751 IMPERIAL, CA 92251</p>	<p>EAST ATEN BLVD. REHABILITATION PHASE 3 FROM CROSS ROAD TO DOGWOOD ROAD</p> <p style="font-size: 1.5em; font-weight: bold; text-align: center;">STRIPING PLAN</p> <p style="text-align: center;">FROM STA 1+30 TO STA 26+50</p> <p>IN THE CITY OF IMPERIAL, CA. DATE: 03/09/15 BY: JH</p> <p>CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 12-016</p>	<p>SHEET</p> <p style="font-size: 2em; font-weight: bold;">4</p> <p>OF: 5</p>
NO.	REVISION	DATE	BY												
1	ADD LEFT TURN STRIPING AT LEGAKES PROPERTY, PER CITY REQUIREMENTS	10-16-15	JH												

WORK TO BE DONE:

THE PROPOSED IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THIS PLAN AND:

1. THE COUNTY OF IMPERIAL SPECIFICATIONS AND STANDARD DRAWINGS.
2. CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION (2010).
3. CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, CURRENT EDITION (2010).
4. THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION (2012).
5. STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) CURRENT EDITION (2012).

CONSTRUCTION NOTES:

1. INSTALL TYPE 170E CONTROLLER IN A MODEL 332L ALUMINUM CABINET WITH THE NECESSARY ACCESSORIES TO PROVIDE THE PHASING AND OPERATION SHOWN ON THIS PLAN. THE CABINET SHALL INCLUDE A PULL-OUT DOCUMENT TRAY. THE CONTROLLER CABINET SHALL BE EQUIPPED WITH ONE (1) MODEL 412C PROGRAM MODULE, ONE (1) MODEL 400B MODEL, ONE (1) BLANK MODEL 27256 EPROM PROGRAMMING CHIP, TWO (2) MODEL 752 DUAL PRIORITY DISCRIMINATOR CARDS, A TYPE 200SA LOCAL INTERSECTION CONTROL PROGRAM AND EDI 2010ECL CONFLICT MONITOR. AN INTERRUPTIBLE POWER SUPPLY (UPS) SHALL BE INSTALLED IN THE CONTROLLER CABINET USING A SWING-AWAY MOUNT. THE UPS (CLARY SP1000 SERIES OR APPROVED OTHER) SHALL PROVIDE A MINIMUM OF 8 HOUR RED FLASH OPERATION USING ALL RED L.E.D. SIGNAL INDICATIONS AND PROVIDE POWER CONDITIONING TO THE CONTROLLER.
2. INSTALL TYPE III-BF SIGNAL AND LIGHTING SERVICE ENCLOSURE PER IMPERIAL IRRIGATION DISTRICT (IID) REQUIREMENTS. PROVIDE 50A-1P, 120V SIGNAL METERED CIRCUIT BREAKER, 15A-1P, 120V I.I.S.N.S. METERED CIRCUIT BREAKER, AND 30A-2P, 240V LIGHTING METERED CIRCUIT BREAKER. THE SERVICE CABINET SHALL BE FABRICATED FROM ANODIZED ALUMINUM SHEET PER CALTRANS SPECIFICATIONS. CALTRANS STD. PLAN ES-2F.
3. INSTALL VIDEO DETECTION SYSTEM (ITERIS VANTAGE EDGE 2, OR APPROVED EQUAL) TO PROVIDE VEHICULAR, MOTOR CYCLE AND BICYCLE DETECTION FOR ALL APPROACHES AS SHOWN ON PLAN. PROVIDE VIDEO DETECTION PROCESSORS AND A VIDEO MONITOR IN THE CONTROLLER CABINET. VIDEO DETECTION CAMERAS MOUNTED ON THE SIGNAL MAST ARMS AND PROVIDE ALL WIRING AND ANCILLARY EQUIPMENT AS NEEDED. VIDEO DETECTION CAMERAS SHALL BE MOUNTED ON THE SIGNAL MAST ARM USING A 72" RISER (PELCO ASTRO BRAC BRACKET), AS SHOWN ON THE PLAN. SEE CALTRANS STD. PLAN ES-7R DETAIL "A" FOR MOUNTING.
4. INSTALL DUAL CHANNEL EMERGENCY VEHICLE PRE-EMPTION (E.V.P.E.) DETECTOR UNITS (3M OPTICOM MODEL 711 OR APPROVED EQUAL). CONTRACTOR SHALL FURNISH AND INSTALL E.V.P.E. EQUIPMENT, MOUNTING HARDWARE, CABLES AND ALL OTHER NECESSARY HARDWARE.
5. FURNISH AND INSTALL TYPE "A" INTERNALLY ILLUMINATED STREET NAME SIGN, DUAL FACE, MAST ARM MOUNTED. SEE POLE AND EQUIPMENT SCHEDULE FOR STREET NAMES. USE UPPER AND LOWER CASE WHITE LETTERS ON A GREEN BACKGROUND. PER CALTRANS STANDARD PLAN ES-7P.
6. INSTALL MAST-ARM MOUNTED SIGN, AS NOTED ON PLAN, PER CALTRANS STANDARD PLAN ES-7N, DETAIL "U".
7. INSTALL NO. 5(T), TRAFFIC SIGNAL PULL BOX, PER CALTRANS STANDARD PLAN ES-8.
8. INSTALL NEW TYPE "E" LOOP DETECTORS, PER CALTRANS STANDARD PLAN ES-5B.
9. INSTALL NO. 6(T), TRAFFIC SIGNAL PULL BOX, PER CALTRANS STANDARD PLAN ES-8.
10. OVERHEAD STREET LIGHT ON SPAN WIRE TO BE REMOVED BY IMPERIAL IRRIGATION DISTRICT. LIGHT, POWER LINE, GUY WIRES AND ONE POWER POLE TO BE REMOVED AND SALVAGED.
11. STOP AND STOP AHEAD SIGNS TO BE REMOVED WHEN TRAFFIC SIGNAL IS ENERGIZED.
12. SIGNAL AHEAD SIGNS TO BE PLACED ON ALL APPROACHES (W3-3).
13. STREET SIGN TO BE RELOCATED.
14. FOUR SECTION TRAFFIC SIGNAL HEAD.

GENERAL NOTES:

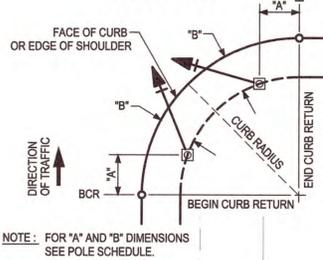
1. CITY OF IMPERIAL ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
2. APPROVAL OF THESE TRAFFIC SIGNAL PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT LIMITS.
3. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND AND OVERHEAD FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THERE ARE NO EXISTING FACILITIES OTHER THAN THOSE SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ALL EXISTING FACILITIES SHOWN HEREON AND ALL OTHERS THAT ARE NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

UTILITY COORDINATION:

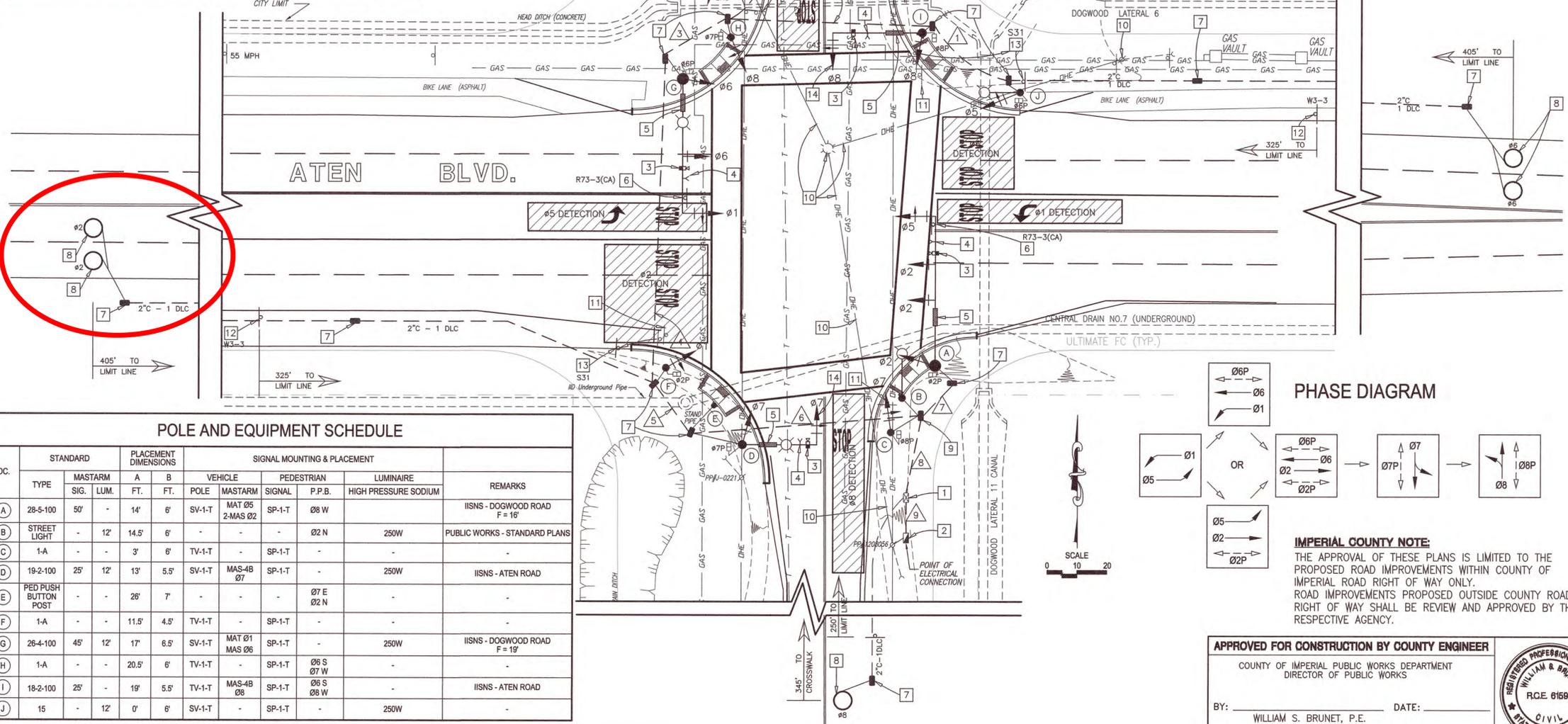
- NO LESS THAN THREE (3) WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR SHALL CONTACT THE FOLLOWING AGENCIES TO LOCATE EXISTING UNDERGROUND UTILITIES.
 - a. IMPERIAL IRRIGATION DISTRICT (POWER) (760) 339-9280
 - b. IMPERIAL IRRIGATION DISTRICT (WATER) (760) 339-9263
 - c. PACIFIC BELL (800) 422-4133
 - d. THE GAS COMPANY (800) 227-2600
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW STRIPING AND THE SANDBLASTING OF CONFLICTING STRIPING.
7. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF IMPERIAL, DEPARTMENT OF PUBLIC WORKS, PRIOR TO WORKING IN THE PUBLIC RIGHT OF WAY.
8. UNDERGROUND SERVICE ALERT (USA) MUST BE CONTACTED, AT 811, 48 HOURS PRIOR TO CONSTRUCTION.
9. ALL MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE CITY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVE.
10. SPECIAL REVISIONS MUST BE APPROVED BY THE CITY ENGINEER AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN WILL BE REQUIRED BY THE COUNTY AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO ACCEPTANCE.
11. TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK OR AS DIRECTED BY THE CITY OF IMPERIAL INSPECTOR.

CONDUCTOR AND CONDUIT SCHEDULE										
AWG OR CABLE	CONDUCTOR RUN	1	2	3	4	5	6	7	8	9
# 14	Ø1				3	3	3		3	
	Ø2							3	3	
	Ø5	3	3	3	3	3	3	3	3	6
	Ø6									
	Ø7									
	Ø8	3	3	3	3	3	3	3	3	3
	Ø2P									
	Ø6P	2	2	2	2	2	2	2	2	2
	Ø7P									
	Ø8P	2	2	2	2	2	2	2	2	2
	Ø2PPB							1	1	2
	Ø6PPB	1	1	1	1	1	1	1	1	1
	Ø7PPB									
	Ø8PPB	1	1	1	1	1	1	1	1	1
PPB COMMON	1	1	1	1	1	1	1	1	2	
P.E.C.									3	3
SPARES	3	3	3	3	3	3	3	3	3	6
TOTAL # 14	8	16	19	25	27	31	17	48		
NO. 10	I.I.S.N.S.	2	2	2	2	2	2	2	4	4
	LUMINAIRES	2	2	2	2	2	2	2	2	2
	SIGNAL COMMON	1	1	1	1	1	1	1	2	2
	TOTAL # 10	3	5	5	5	5	5	3	8	6
# 6	SIGNAL SERVICE									2
	Ø2 DETECTORS					1	1			1
	Ø6 DETECTORS	1	1	1	1	1	1	1	1	1
	Ø7 DETECTORS					1	1	1	1	1
# 16	Ø1 & Ø6 VIDEO CABLES				1	1	1	1	1	0
	Ø2 & Ø5 VIDEO CABLES								1	1
	Ø7 VIDEO CABLES								1	1
	Ø8 VIDEO CABLES	1	1	1	1	1	1	1	1	1
# 20	TOTAL VIDEO CABLES	1	1	1	2	2	2	3	1	4
	CONDUIT SIZE	2"	3"	3"	4"	4"	4"	3"	2-4"	3"

POLE PLACEMENT DIMENSIONS



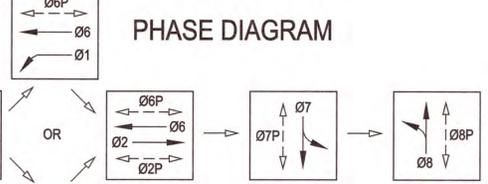
NOTE: FOR "A" AND "B" DIMENSIONS SEE POLE SCHEDULE.



SCALE: 1" = 30'

SCALE: 1" = 20'

POLE AND EQUIPMENT SCHEDULE											
LOC.	STANDARD TYPE	PLACEMENT DIMENSIONS		SIGNAL MOUNTING & PLACEMENT				REMARKS			
		SIG.	LUM.	FT.	FT.	VEHICLE	PEDESTRIAN		LUMINAIRE		
A	28-5-100	50"	-	14'	6'	SV-1-T	MAT Ø5 2-MAS Ø2	SP-1-T	Ø6 W	HIGH PRESSURE SODIUM	IISNS - DOGWOOD ROAD F = 16'
B	STREET LIGHT	-	12'	14.5'	6'	-	-	-	Ø2 N	250W	PUBLIC WORKS - STANDARD PLANS
C	1-A	-	-	3'	6'	TV-1-T	-	SP-1-T	-	-	-
D	19-2-100	25"	12'	13'	5.5'	SV-1-T	MAS-4B Ø7	SP-1-T	-	250W	IISNS - ATEN ROAD
E	PED PUSH BUTTON POST	-	-	26"	7"	-	-	-	Ø7 E Ø2 N	-	-
F	1-A	-	-	11.5'	4.5'	TV-1-T	-	SP-1-T	-	-	-
G	26-4-100	45"	12'	17'	6.5'	SV-1-T	MAT Ø1 MAS Ø6	SP-1-T	-	250W	IISNS - DOGWOOD ROAD F = 19'
H	1-A	-	-	20.5'	6'	TV-1-T	-	SP-1-T	Ø6 S Ø7 W	-	-
I	18-2-100	25"	-	19'	5.5'	TV-1-T	MAS-4B Ø8	SP-1-T	Ø6 S Ø8 W	-	IISNS - ATEN ROAD
J	15	-	-	12'	6'	SV-1-T	-	SP-1-T	-	250W	-



IMPERIAL COUNTY NOTE:
THE APPROVAL OF THESE PLANS IS LIMITED TO THE PROPOSED ROAD IMPROVEMENTS WITHIN COUNTY OF IMPERIAL ROAD RIGHT OF WAY ONLY. ROAD IMPROVEMENTS PROPOSED OUTSIDE COUNTY ROAD RIGHT OF WAY SHALL BE REVIEW AND APPROVED BY THEIR RESPECTIVE AGENCY.

APPROVED FOR CONSTRUCTION BY COUNTY ENGINEER

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
DIRECTOR OF PUBLIC WORKS
BY: _____ DATE: _____
WILLIAM S. BRUNET, P.E.
R.C.E. NO.: 61599



APPROVED FOR CONSTRUCTION BY PUBLIC SERVICES DIRECTOR

CITY OF IMPERIAL, CA.
BY: Jackie Loper DATE: 10-30-14

ENGINEER OF RECORD

PLANS PREPARED UNDER THE SUPERVISION OF
BY: Martin C. Lauber DATE: 10-30-14
MARTIN C. LAUBER, T.E.
T.E. NO.: TR 1634



NO. _____ REVISION _____ DATE _____ BY _____

THE PERFECT SOLUTION

TRAFFIC ENGINEERING & TRANSPORTATION PLANNING
1100 ANZA AVENUE, VISTA, CA 92084(760) 908-9233
BY: Martin C. Lauber DATE: 10-30-14
MARTIN C. LAUBER TR 1634

ATEN RD. AT DOGWOOD RD. SIGNALIZATION SHEET

TRAFFIC SIGNAL PLAN OF: 8
IN THE CITY OF IMPERIAL, CA. DATE: 10-30-14 BY: MCL
CLIENT: CITY OF IMPERIAL, CA. JOB NO.: 13-003



DOGWOOD ROAD



ATEN BLVD (EASTBOUND)





**ATEN BLVD
(EASTBOUND)**