

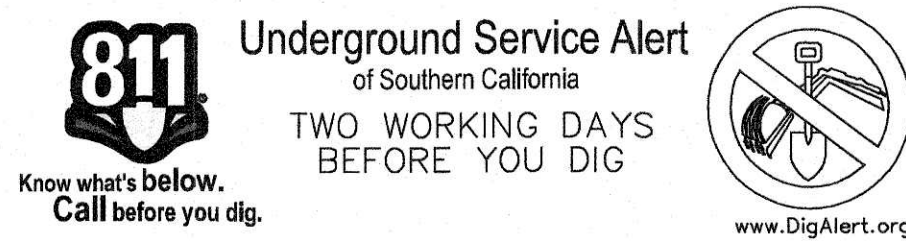
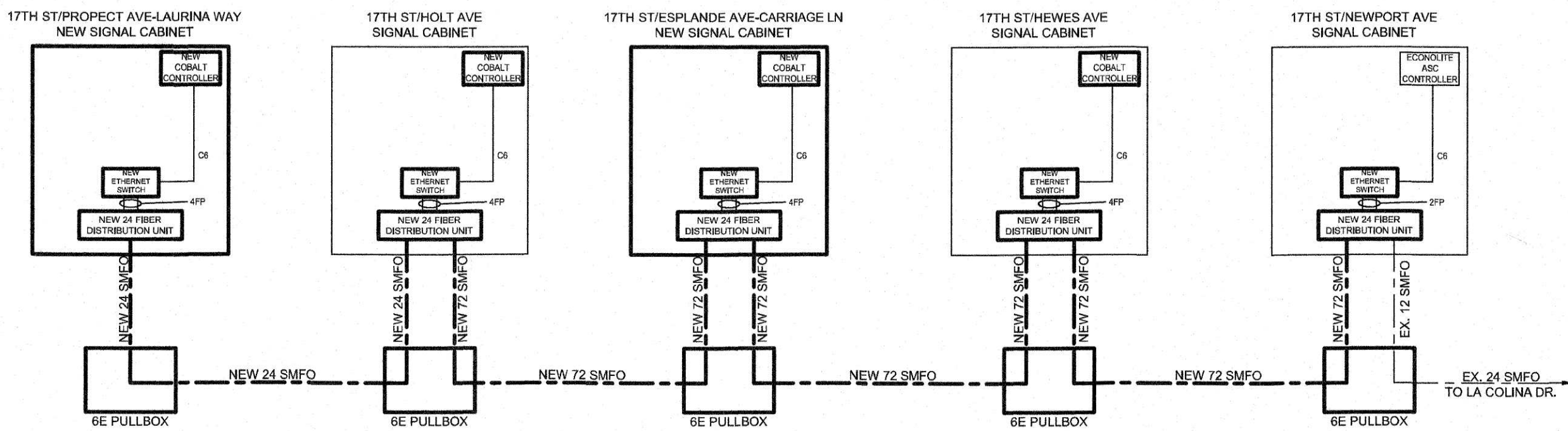
COUNTY OF ORANGE

PLANS FOR THE CONSTRUCTION OF SEVENTEENTH STREET FIBER OPTIC INTERCONNECT PLANS FROM PROSPECT AVENUE TO NEWPORT AVENUE

SHEET INDEX			
SHEET	DESCRIPTION	LIMIT	PLAN NUMBER
1	TITLE SHEET 17TH STREET		-
2	FIBER OPTIC COMMUNICATIONS DESIGN	FROM 115' W/O PROSPECT/LAURINDA TO 80' E/O DALL LN	-
3	FIBER OPTIC COMMUNICATIONS DESIGN	FROM 345' W/O HOLT AVE TO 325' E/O STRATTON WAY	-
4	FIBER OPTIC COMMUNICATIONS DESIGN	FROM 95' W/O WINDSOR PL TO 150' E/O NEWPORT AVE	-
5	FIBER OPTIC COMMUNICATIONS SCHEMATIC		-

CONSTRUCTION NOTES

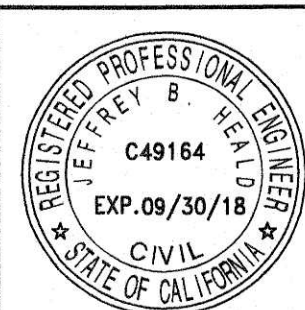
- FURNISH AND INSTALL FIBER OPTIC CABLE WITH DETECTABLE MULE TAPE IN CONDUIT PER CONDUCTOR SCHEDULE.
 - FURNISH AND INSTALL SCHEDULED 80 PVC CONDUIT PER CONDUCTOR SCHEDULE.
 - FURNISH AND INSTALL NEW ETHERNET SWITCH AND COMPLETE ALL NECESSARY CONNECTIONS.
 - FURNISH AND INSTALL NEW FIBER DISTRIBUTION UNIT (FDU).
 - REMOVE AND SALVAGE EXISTING ETHERNET SWITCH. FURNISH AND INSTALL NEW ETHERNET SWITCH AND COMPLETE ALL NECESSARY CONNECTIONS.
 - REMOVE AND SALVAGE TO AGENCY EXISTING ECONOLITE CONTROLLER AND ALL APPURTENANCES.
 - FURNISH AND INSTALL NEW ECONOLITE ATC CONTROLLER (NEMA) AND ALL APPURTENANCES NECESSARY TO PROVIDE THE FUNCTIONS OF INTENDED OPERATIONS.
 - TERMINATE ALL APPROPRIATE STRANDS PER FIBER ASSIGNMENT. SEE SHEET X FOR FIBER ASSIGNMENT DETAIL.
 - FURNISH AND INSTALL PULL BOX NUMBER 6. PULL BOX COVER SHALL BE INSCRIBED "COMMUNICATION".
 - FURNISH AND INSTALL PULL BOX NUMBER 6E WITH 8" EXTENSION. PULL BOX COVER SHALL BE INSCRIBED "COMMUNICATION". SEE SHEET X FOR PULL BOX AND CONDUIT SWEEP DETAILS.
 - CONTRACTOR SHALL COIL 30 FEET CABLE IN PULL BOX AS SLACK CABLE. SEE CONDUCTOR SCHEDULE FOR CABLES INSTALLED INTO PULL BOX.
 - REMOVE EXISTING ECONOLITE TYPE ASC/3-2100 CONTROLLER. FURNISH AND INSTALL NEW ECONOLITE COBALT CONTROLLER AND ALL NECESSARY EQUIPMENTS IN EXISTING CONTROLLER CABINET TO PROVIDE THE INTENDED OPERATION PER THESE PLANS IN ACCORDANCE WITH THE SPECIAL PROVISION AND AS DIRECTED BY THE ENGINEER.
- CB INSTALL CONDUIT INTO EXISTING PULL BOX.



PURSUANT TO ASSEMBLY BILL 4216 NO EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DIG ALERT TICKET NUMBER. CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.



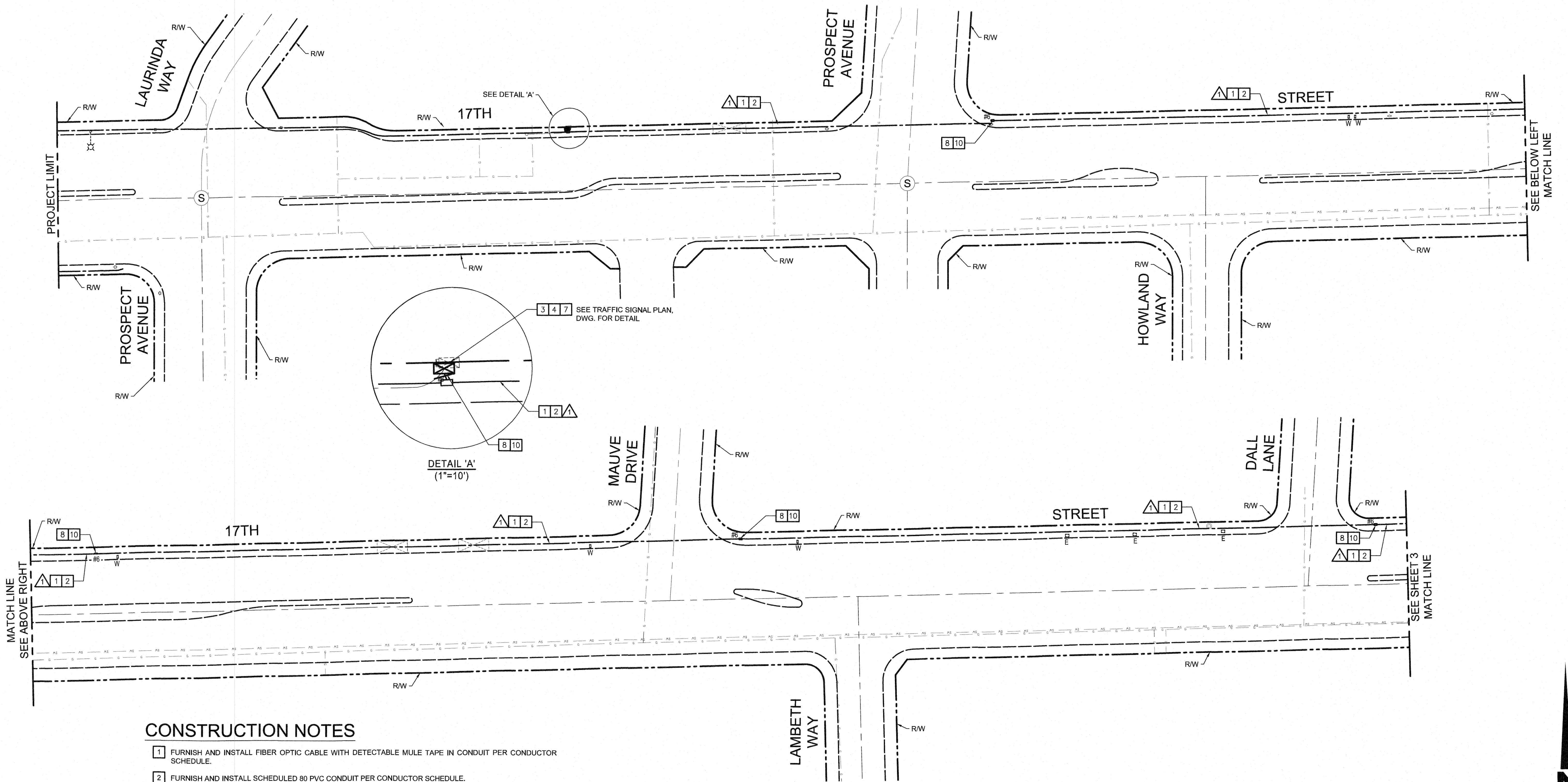
WESTMINSTER AVENUE/17TH STREET CORRIDOR REGIONAL
TRAFFIC SIGNAL SYNCHRONIZATION PROJECT



DKS 2401 East Katella Ave, Suite 425
Anaheim, CA 92806
657.284.2620
www.dksassociates.com

PREPARED UNDER THE SUPERVISION OF: *Jeffrey B. Heald* DATE 1/15/18
DESIGNED: MG DRAWN: MG CHECKED: KC 05/2017
RECOMMENDED FOR CONSTRUCTION COUNTY OF ORANGE:
Rick Diaz 5/1/18
RICK DIAZ

		ORANGE COUNTY OC PUBLIC WORKS	
		17TH STREET PROSPECT AVENUE/LAURINDA WAY TO NEWPORT AVENUE FIBER OPTIC COMMUNICATION PLAN	
MARK	DATE	DESCRIPTION	PREPARED UNDER THE SUPERVISION OF: _____ DATE _____
		REVISIONS	
		SCALE AS SHOWN	DATE
			SHEET 1 OF 5



CONSTRUCTION NOTES

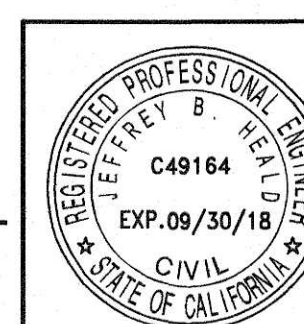
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- CB INSTALL CONDUIT INTO EXISTING PULL BOX.

CONDUCTOR SCHEDULE	
CONDUCTOR TYPE	RUN
24 SMFO CABLE	1
DETECTABLE MULE TAPE	1
CONDUIT SIZE	2"

ALL CONDUITS AND CONDUCTORS SHALL BE NEW.

DKS

2401 East Katella Ave, Suite 425
Anaheim, CA 92806
657.284.2620
www.dksassociates.com



PREPARED UNDER THE SUPERVISION OF:	DATE
JEFFREY B. HEALD	1/15/18
DESIGNED: MG	DRAWN: MG
CHECKED: KC	05/2017
RECOMMENDED FOR CONSTRUCTION COUNTY OF ORANGE:	
RICK DIAZ	5/1/18

		ORANGE COUNTY OC PUBLIC WORKS	
		17TH STREET LAURINDA WAY TO DALL LANE FIBER OPTIC COMMUNICATION PLAN	
MARK	DATE	DESCRIPTION	PREPARED UNDER THE SUPERVISION OF: _____
		REVISIONS	DATE
		SCALE	DATE
		AS SHOWN	

SCALE: 1"=40'

2
OF 5

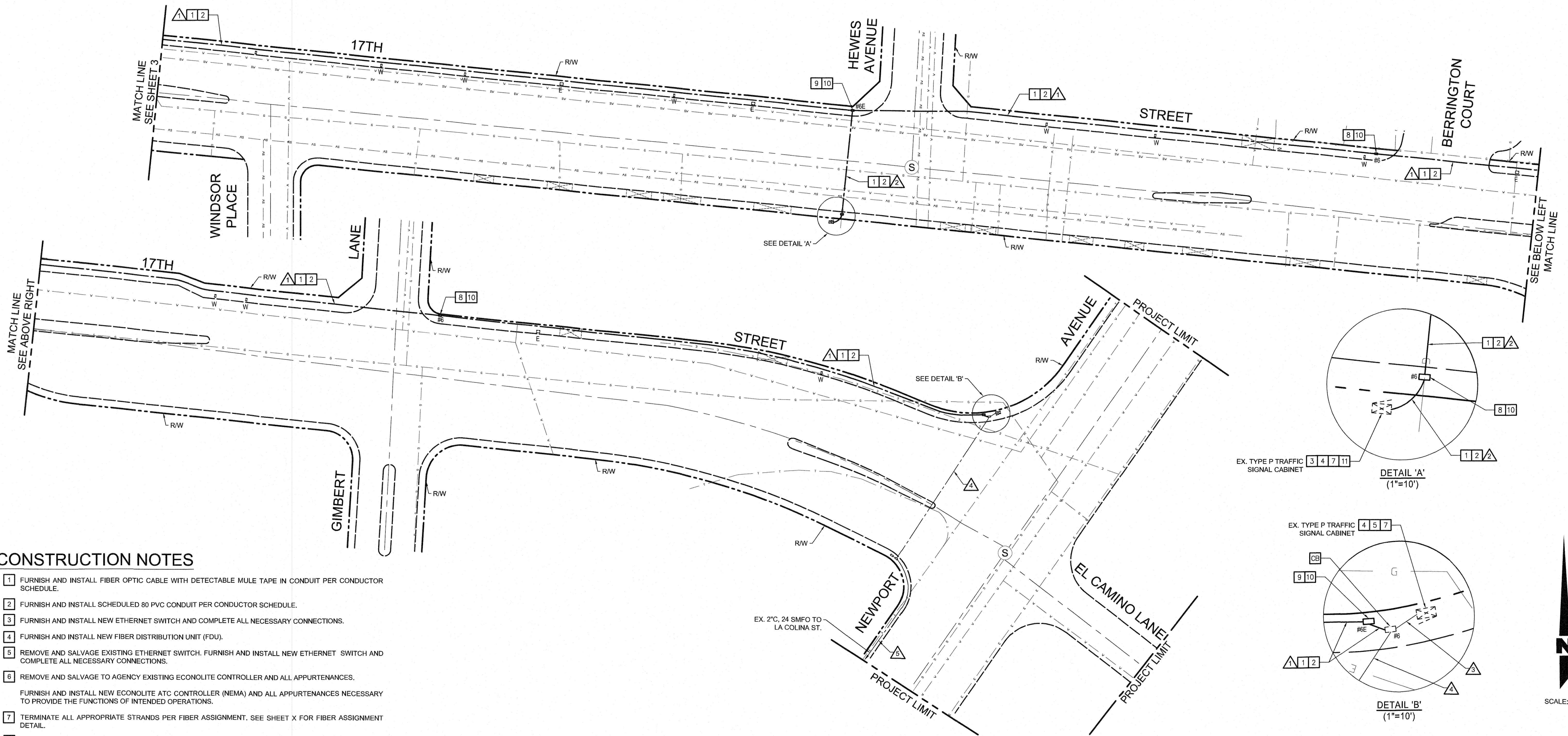
811 Underground Service Alert
of Southern California
TWO WORKING DAYS
BEFORE YOU DIG
www.DigAlert.org

NOTICE TO CONTRACTOR

PURSUANT TO ASSEMBLY BILL 4216 NO EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DIG ALERT TICKET NUMBER. CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.



WESTMINSTER AVENUE/17TH STREET CORRIDOR REGIONAL
TRAFFIC SIGNAL SYNCHRONIZATION PROJECT

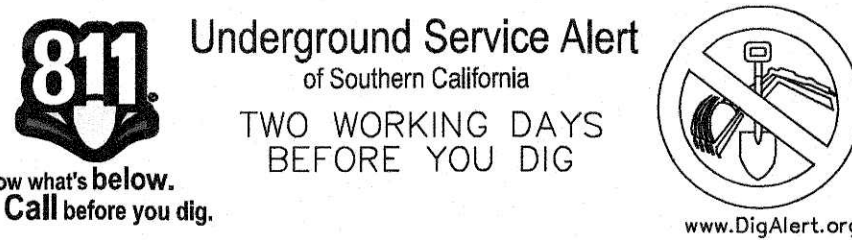


CONSTRUCTION NOTES

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- CB INSTALL CONDUIT INTO EXISTING PULL BOX.

CONDUCTOR SCHEDULE					
CONDUCTOR TYPE	RUN				
	1	2	3	4	5
72 SMFO CABLE	1	2	1	—	—
12 SMFO CABLE	—	—	1(E)	1(E)	—
24 SMFO CABLE	—	—	—	—	1(E)
DETECTABLE MULE TAPE	1	1	1	—	—
CONDUIT SIZE	2"	2"	(E)	(E)	(E)

ALL CONDUITS AND CONDUCTORS SHALL BE NEW UNLESS OTHERWISE NOTED: (E) = EXISTING



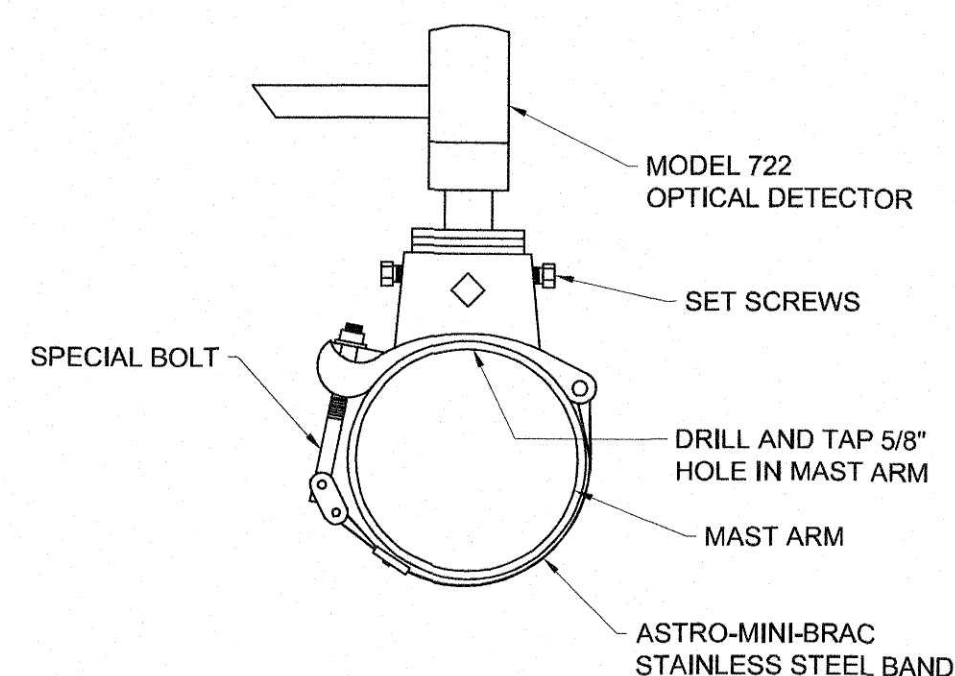
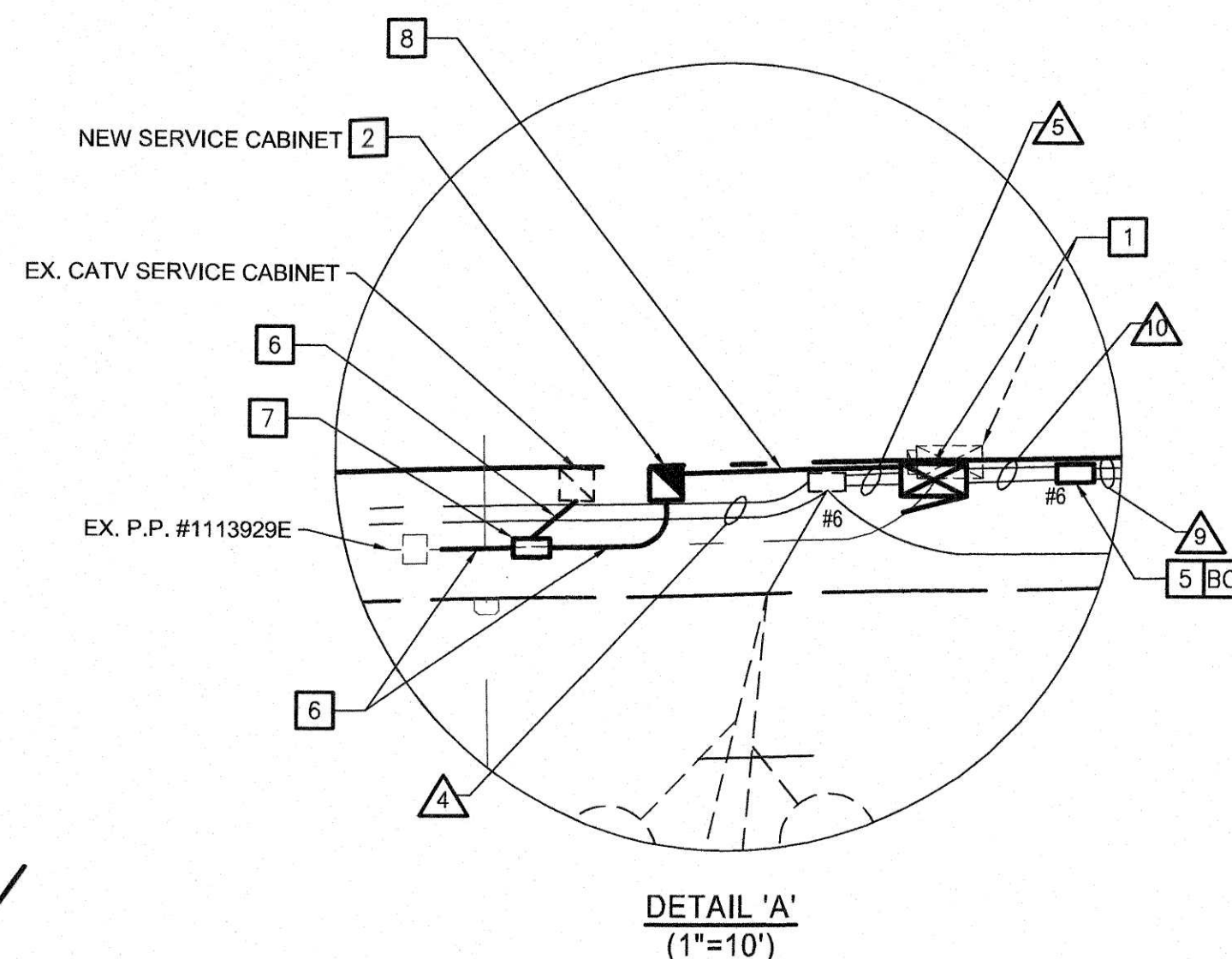
WESTMINSTER AVENUE/17TH STREET CORRIDOR REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROJECT

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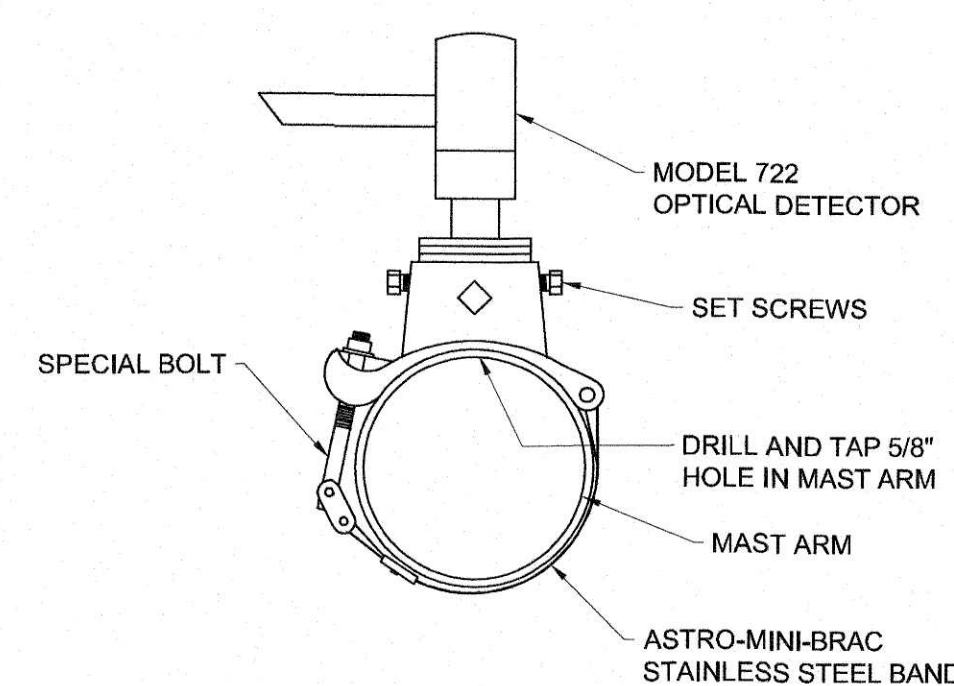
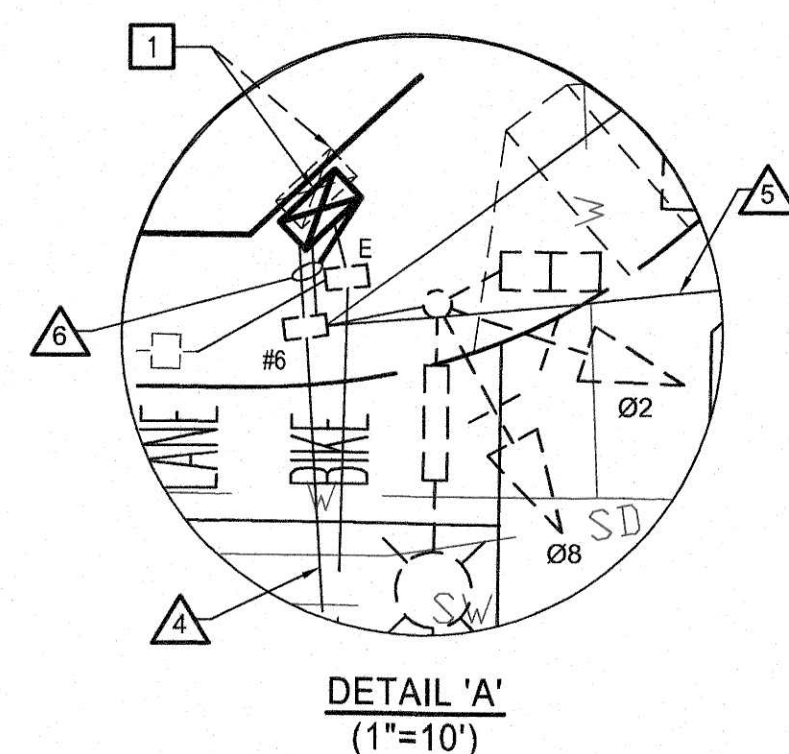
PREPARED UNDER THE SUPERVISION OF: <i>Blair</i>	DATE 1/15/18
DESIGNED: MG DRAWN: MG CHECKED: KC	05/2017
RECOMMENDED FOR CONSTRUCTION COUNTY OF ORANGE:	5/1/18
RICK DIAZ	

ORANGE COUNTY OC PUBLIC WORKS			
17TH STREET WINDSOR PLACE TO NEWPORT AVENUE FIBER OPTIC COMMUNICATION PLAN			
PREPARED UNDER THE SUPERVISION OF:	DATE	SHEET 4 OF 5	
SCALE AS SHOWN	DATE		

PURSUANT TO ASSEMBLY BILL 4216 NO EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DIG ALERT TICKET NUMBER. CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.



			ORANGE COUNTY OC PUBLIC WORKS		5
			17TH STREET		
			AND		
			PROSPECT AVENUE		
			TRAFFIC SIGNAL MODIFICATION PLAN		
MARK	DATE	DESCRIPTION	PREPARED UNDER THE SUPERVISION OF: _____		SHEET
REVISIONS			DATE		1
			SCALE	DATE	
			AS SHOWN		OF 2



3 INSTALL EVP CABLE FROM EVP TO CONTROLLER CABINET. SEE CONDUCTOR SCHEDULE.

ALL CONDUITS SHALL BE EXISTING UNLESS OTHERWISE SPECIFIED.
ALL CONDUCTORS SHALL BE NEW UNLESS OTHERWISE SPECIFIED.



EVP DETECTOR MOUNTING DETAIL
(NO SCALE)



2/1/12

OF