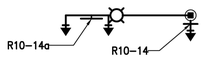
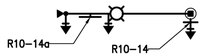
CABINET	TYPE	CABINET	AUX. CONTROL	ASSEMBLY NOTES	LOCATION
Ⓐ	SERVICE METER PEDESTAL	MYERS PEDESTAL	INSTALL METERED PEDESTAL (WHITE FINISHED) #MEUG16-M100-AZ 50AMP MAIN BKR	FACE P.E.C. NORTH	STA 13+89 50.1' L
Ⓑ	TRAFFIC SIGNAL CONTROLLER CABINET M49	NEMA CONTROLLER COBALT ECONOLITE	FOUNDATION PER ADOT T.S. 2-4 INSTALL A 4' SQUARE x 4" CONCRETE WORK PAD W/ 8" TOE IN FRONT OF M49 FOUNDATION		STA 13+97 50.0' L

POLE LAYOUT	TYPE	MAST ARM SIG	MAST ARM LUM	LUMINAIRE	SIG HEAD MTG.	SIG HEAD FACE	PPB SIGN	CONSTRUCTION NOTES	LOCATION
Ⓒ 	NEW: Q	NEW: 35'	NEW: 20'	AUTOBAHN ATBM LED LUMINAIRE PER COT SPECIFICATIONS	NEW: 2-II 1-V	NEW: 2-HAWK 1-HAWK		T 432 spread foundation	STA 14+08 49.7' L
Ⓓ 	NEW: Q	NEW: 35'	NEW: 20'	AUTOBAHN ATBM LED LUMINAIRE PER COT SPECIFICATIONS	NEW: 2-II 1-V	NEW: 2-HAWK 1-HAWK		T 432 spread foundation NOTE 1 NOTE 2	STA 14+88 6.8 Rt

NOTES
1. NEW EMERGENCY VEHICLE PREEMPTION SHALL BE PER C.O.T. SPECIFICATIONS.
2. PREEMPTION BEACON

CONDUCTOR & WIRE SCHEDULE

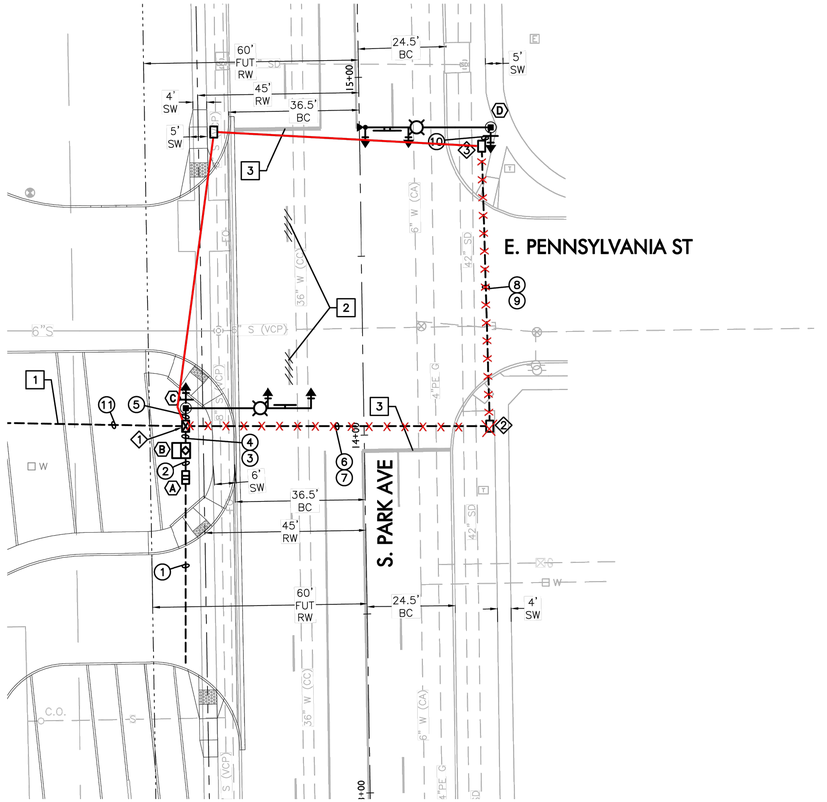
	CONDUIT NUMBER	1	2	3	4	5	6	7	8	9	10	11	
	CONDUIT SIZE	2½	2	4	4	3	4	4	4	4	3	2	
		NUMBER OF WIRES											
16 CONDUCTOR CABLE	BLACK-PED. SIGNAL WALK												
	WHITE-SIGNAL COMMON												
	RED-A ø SIGNAL RED												
	GREEN-A ø SIGNAL GREEN												
	ORANGE-PED PUSH BUTTON												
	BLUE-A ø SIGNAL YELLOW												
	WHITE W/B-LOW VOLTAGE COMMON												
	RED W/B-A ø AUX RED												
	GREEN W/B-A ø AUX GREEN												
	ORANGE W/B-PED PUSH BUTTON												
	BLUE W/B-A ø AUX YELLOW												
	BLACK W/W-PED. SIGNAL DON'T WALK												
	RED W/W-SPARE												
	GREEN W/W-B ø LEFT TURN GREEN												
	BLUE W/W-B ø LEFT TURN YELLOW												
	BLACK W/B-SPACE												
#10 THW/XHHW	STREET LIGHT HOT (BLACK)			1		1	1		1		1		
	STREET LIGHT HOT (RED)												
	STREET LIGHT COMMON (WHITE)			1		1	1		1		1		
	BEACON HOT (RED) E-W			1			1		1		1		
	BEACON NEUTRAL (WHITE) E-W			1			1		1		1		
	BEACON HOT (RED) N-S												
	BEACON NEUTRAL (WHITE) N-S												
#6 THW/XHHW	POWER HOT	1	1										
	POWER NEUTRAL	1	1										
3 CONDUCTOR CABLE	TO PHOTOCELL (BLACK)					1	1						
	COMMON (WHITE)					1	1						
	FROM PHOTOCELL (RED)					1	1						
4 CONDUCTOR SHIELDED CABLE	TELEPHONE DROP												
	PULSE LOOP DETECTOR												
	CALL LOOP DETECTOR												
	PRE-EMPTION SENSOR E-W					1			1		1	1	
	PRE-EMPTION SENSOR N-S												
	CAT 5 COMMUNICATION CABLE					1							1
#8 BARE	EQUIPMENT GROUND	1	1	1	1	1	1	1	1	1	1		
BELDEN 8281 COAX CABLE	NB VIDEO CAMERA												
	SB VIDEO CAMERA												
	EB VIDEO CAMERA												
	WB VIDEO CAMERA												
#14 5-CONDUCT IMSA CABLE	NB VIDEO POWER												
	SB VIDEO POWER												
	EB VIDEO POWER												
	WB VIDEO POWER												

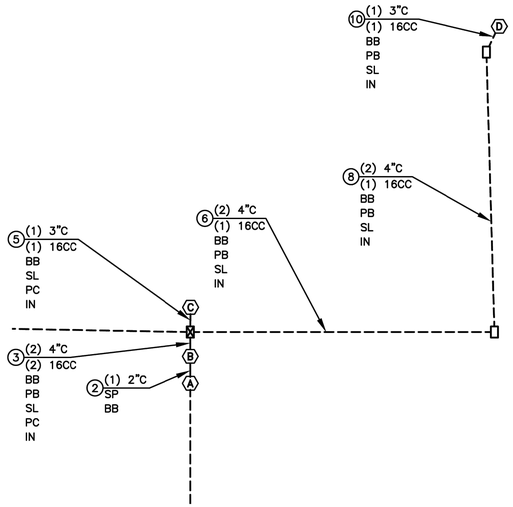
R10-14

EMERGENCY SIGNAL
STOP ON FLASHING RED

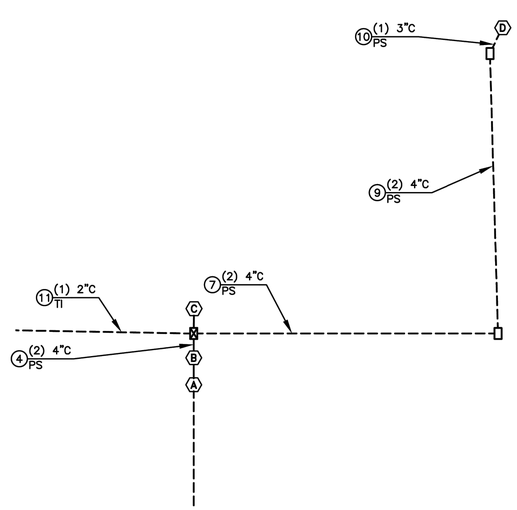
R10-14a

EMERGENCY SIGNAL
STOP ON FLASHING RED





HIGH VOLTAGE CIRCUIT
(X) Y" C = NUMBER AND SIZE OF CONDUIT
(X) = NUMBER OF CABLES
# CC = #14 IMSA CABLE
BB = BARE BOND, #8, SOLID
PB = PRE-EMPT BEACON, #14 THW
VP = VIDEO POWER, 3 CC #14 IMSA
SP = SIGNAL POWER, #6 THW
SL = STREET LIGHTING, #10 AWG IMSA XHHW
PC = PHOTO CELL, #10 AWG IMSA XHHW
IN = IISNS, (2) #10 AWG XHHW



LOW VOLTAGE CIRCUIT
(X) = NUMBER OF CABLES
PS = PRE-EMPT SENSOR, OPTICOM #20 3CC-SHIELDED CABLE (MODEL 138)
CX = BELDEN COAX CABLE #8281
TI = TELEPHONE INTERCONNECT, 4CC #20
DLC = DETECTOR LEAD-IN CABLE, 16 AWG IMSA SO-2-1984
FO = FIBER OPTIC CONDUIT, 4" CONDUIT WITH THREE 1-1/4" INNERDUCTS WITH A #8 AWG BARE WIRE FOR LOCATION PURPOSES

LEGEND

PROPOSED	EXISTING	
------	— — —	UNDERGROUND CONDUIT
□	□	NO. 7 PULL BOX
⊠	⊠	NO. 7 PULL BOX WITH EXTENSION
▣	▣	#9 ITS VAULT
▭	▭	METERED SERVICE PEDESTAL
▣	▣	CONTROL CABINET AND FOUNDATION
◉	◉	TRAFFIC SIGNAL FOUNDATION
→H	→H	TRAFFIC SIGNAL INDICATION
→H	→H	PEDESTRIAN INDICATION
→H	→H	PEDESTRIAN PUSH BUTTON
⊠	⊠	LED LUMINAIRE
▬◀	▬◀	VIDEO DETECTION
◀	◀	PRE-EMPTION
▭	▭	ILLUMINATED STREET NAME SIGN
—	—	STREET NAME SIGN
▪	▪	CCTV CAMERA
(1)	(1)	CONDUIT RUN NUMBER TAG
⬡	⬡	TRAFFIC SIGNAL POLE TAG

CONSTRUCTION NOTES

1. RUN 2" CONDUIT FROM SIGNAL TO FIRE STATION. COORDINATE CONNECTION WITH BUILDING ELECTRICAL.
2. OBLITERATE STRIPING BETWEEN NEW STOP BARS.
3. 12" SOLID WHITE STOP LINE

PULL BOX SCHEDULE

PULL BOX NO.	TYPE	LOCATION
①	#7 W/ EXT	STA 14+03 49.9' L
②	#7	STA 14+02 35.1' R
③	#7	

N

GRAPHIC SCALE
20 10 0 10 20 40
1 inch = 20 ft.

AS RECIEVED
Dated: 10/15/2026

INFORMATION SHOWN ON THESE PLANS WAS RECEIVED FROM THE CITY OF TUCSON FIRE DEPARTMENT AND HAS NOT BEEN INDEPENDENTLY VERIFIED FOR ACCURACY OR COMPLETENESS. ALL DIMENSIONS, LOCATIONS, AND CONDITIONS SHALL BE FIELD VERIFIED.

Changes made by JM 5/8/26

WRIGHT engineering corporation
ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807
www.wrightengineering.us Project # 23379

Call at least two full working days before you begin excavation.
ARIZONA 811 Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

CITY OF TUCSON

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

TUCSON SOUTHSIDE PUBLIC SAFETY COMPLEX
CITY OF TUCSON, AZ
TRAFFIC SIGNAL PLAN
PARK AVE & PENNSYLVANIA ST

NO.	DATE	REVISION	BY	CHKD.	APPR.

Registered Professional Engineer (Retired) Certificate No. 46691 ADAM M. BOWERS Date Signed 4-28-23 Expires 9-30-10

Approvals	Signatory	Date

Approved _____ 20 ___
TRANSPORTATION DIRECTOR

TS2
OF

DRWN. BY SLB 20 23 | DSGN. BY SLB 20 23 | CHKD. BY AMB 20 23

REF. _____ SCALE: 1:20

PLAN NO. F-2023-001