CITY OF ALBUQUERQUE NEW MEXICO

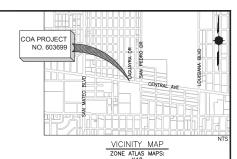


DEPARTMENT OF MUNICIPAL DEVELOPMENT CONSTRUCTION PLANS FOR SAN PEDRO HAWK SIGNAL COA PROJECT NO. 603699

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PROJECT DESCRIPTION:

THE SAN PEDRO HAWK SIGNAL PROJECT IS THE CONSTRUCTION OF A HAWK SIGNAL ON CENTRAL AVE BETWEEN LAGUAYRA DR AND SAN PEDRO DR. THE PROJECT WILL INCLUDE CONSTRUCTION OF A PEDESTRIAN CROSSING INCLUDING HAWK SIGNAL AND APPROPRIATE SIGNAL EQUIPMENT AND CONNECTION TO THE EXISTING ITS SYSTEM. ALL PROPOSED CONSTRUCTION WILL BE COMPLIANT WITH PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) STANDARDS.



603699

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GENERAL NOTES

- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION SEVEN / MORNING DATS PRIOR TO BESINNING SANSTRUCTION IN THE CONTRICTION STALL SQUADE DATE OF CONTRICTION STALL OBTAIN A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DATS PRIOR TO CONSTRUCTION THE CONTRICTOR SHALL OBTAIN A BARRICADOR SERVIN FROM THE DEPARTMENT OF MUNICIPAL DEVELOPMENT, CONSTRUCTION COORDINATION DIVISION, CONTRICTOR SHALL OBTAIN A NOTIFY BARRICADE ENGINEER (505–924–3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD OF THE PRIOR OF THE PRIOR
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CONSTRUCTION PROJECT MANAGER.
- 4. IF A PAYEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
- THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES THAT ARE TO REMAIN OPERATIONAL STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR CLEANING OF STRUCTURES.
- THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF 35 TON NON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION IN PAVEMENT STRUCTURE, ROADWAY BACKFILL, EMBANKMENT, AND SUBGRADES IN URBAN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.
- CONTRACTOR AGREES THAT THEY SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARSING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2020 EDITION.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, SIGNAGE OR SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUEROUE STANDARDS AT CONTRACTOR'S OWN EXPENSE.
- 10. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH ITEMS.
- 11. SALVAGEABLE MATERIALS, AS IDENTIFIED BY PROJECT MANAGER, FROM THE PROJECT SHALL BE HAULED TO THE CITY OF ALBUQUERQUE PINO YARDS OR LOCATION SPECIFIED BY COLP PROJECT MANAGER. HAUL OF THE MATERIAL SHALL BE PERFORMED DURING NORMAL WORKING HOURS AS DIRECTED BY THE PROJECT. ANAGER. SALVAGE AND HAULING OF MATERIAL SHALL BE INCIDENTAL TO THE COMPLETION OF THE PROJECT.
- 12. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT CONTRACTOR'S OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.
- 14. CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
- 15. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 16. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES.
- 17. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT—OF—WAY UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROLECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO ITEM NO. 6.05 MOBILIZATION, COMPL. AND NO SEPRAATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
- 18. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURE PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE USURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS ANDE! IN THE FINISHED LEVATIONS OF THE PAVEMENT OF ANY RODWAY IN WHICH PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE THEREFORE.
- 20. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL PERMANENT SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- 21. WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC. THIS WORK SHALL BE CONSIDERED TO INCIDENTAL ITEM 6.05 "MOBILIZATION, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.
- 22. THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT.
- 23. IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER SHALL NOTIFY CAL AUTHORITIES. IF HUMAN REMAINS ARE DETERMINED BY THE OFFICE OF THE MEDICAL EXAMINER NOT TO BE RECENT, THE ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT (505-827-6320)
- 24. WHEN APPEARING IN ANY PORTION OF THIS CONTRACT, THE WORDS "PLANT MIX BITUMINOUS PAVEMENT" (PMBP) AND THE WORDS "HOT MIX ASPHALT" (HMA) WILL HAVE THE SAME MEANING AS AND MAY BE USED INTERCHANGEABLY WITH THE WORDS "ASPHALT CONCRETE."
- 25. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 26. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 27. TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE TRANSIT DEPARTMENT OF ANY IMPACT THE PROPOSE PROJECT WILL HAVE ON THE TRANSIT SYSTEM SUCH AS DETOURS, CAME CLOSING OR RELOCATION TO A BUS STOP. THE CONTACT PERSON IS DOUGLAS GOFF. OFFICE PHONE 505-724-3137, CELL PHONE 505 206-0151.
- 28. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PERPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNIL. ALL DATA HAS BEEN RECORDED.

- 29. ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES SHOWN ON THE PLANS ARE SHOWN IN AN APPROXIMATE LOCATION ONLY BASED ON THE INFORMATION PROVIDED TO THE ENCINEER BY OTHERS THAT MAY BE INACCURATE OR INCOMPLETE. ADDITIONALLY, UNDERGROUND LINES MAY EXIST THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIEY THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK. ANY DAMAGE TO ANY OTHER UTILITIES OR COLLATERAL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.
- 30. THE CONTRACTOR IS TO PROVIDE GEOGRAPHIC INFORMATION SYSTEM (GIS) DATA FOR ALL TRAFFIC SIGNAL AND ITS UTILITIES TO THE CITY OF ALBUQUERQUE. THE CONTRACTOR IS TO CONTRACT THE CITY PRIOR TO RECORDING TRAFFIC SIGNAL AND ITS UTILITY DATA TO ENSURE THE DATA IS IN THE CORRECT FORMAT FOR ENTRY IN THE CITY'S GIS SYSTEM. CITY CONTRACT. WHORD ADEED PI: 505-250-2604

INCIDENTAL ITEMS

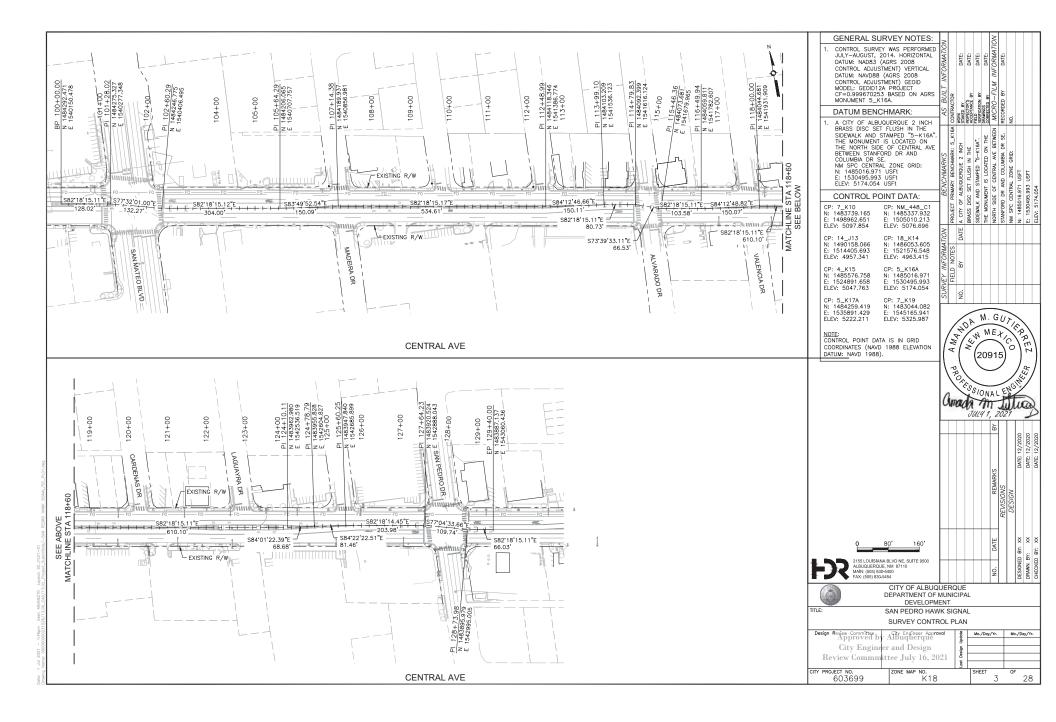
- CORRECTION OF PAVEMENT DROP—OFF. SEE GENERAL NOTE 4, THIS SHEET
 CLEAN EXISTING STRUCTURES, SEE GENERAL NOTE 6, THIS SHEET
 CLEAR ZONE SHIELDING, SEE GENERAL NOTE 17, THIS SHEET
 REMOVALS, SEE GENERAL NOTE 19, THIS SHEET

- OFF DUTY POLICE OFFICER, SEE GENERAL NOTE 21, THIS SHEET

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2155 LOUISIANA BLVD NE, SUITE 9500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454 CITY OF ALBI DEPARTMENT DEVELO SAN PEDRO HAWK SIGNAL GENERAL NOTES Design Review Committee by Albuquerque 음 Mo./Day/Yr. Mo./Day/Yr. City Engineer and Design Review Commmittee July 16, 2021 SHEET 603699



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SUMMARY OF QUANTITIES																				
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NO.	NO.	ITEM NO.	DESCRIPTION	UNIT	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINA
1	4.010		CONSTRUCTION STAKING BY THE CONTRACTOR. COMPL.	LS			LS												LS	
2	4.020		CONSTRUCTION SURVEYING BY THE CONTRACTOR, COMPL.	LS			LS												LS	
3	6.010		CONSTRUCTION PROJECT SIGN, PER CONTRACT SPECIAL PROVISIONS	EA					2										2	
4	19.010		CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.	LS			LS		1										LS	
5	30.020		NPDES PERMITTING, COMPL.	LS			LS												LS	
6	340.010		SIDEWALK, 4" THICK, PCC, INCL. SUBGRADE COMPACTION, CIP SD 2430	SQ. YD.	10														10	
7	343.085		EXISTING SIDEWALK, 4" PCC, REMOVE & DISPOSE	SQ. YD.	10														10	
8	421.012		METER PEDESTAL, (SIGNAL AND LIGHTING) CIP.	EA									1						1	
9	421.018		SERVICE CONNECTION (SIGNAL AND LIGHTING), CIP.	EA									1						1	
10	422.002		TRAFFIC SIGNAL PEDESTAL POLE, 10', CIP.	EA									2						2	
11	425.021		FIBER OPTIC SPLICE VAULT, CIP	EA													1		1	
12	426.001		SINGLE CONDUCTOR, #2, CIP.	LIN. FT.									645		550				1195	
13	426.003		SINGLE CONDUCTOR, #6, CIP.	LIN. FT.									1090						1090	
14	426.005		SINGLE CONDUCTOR, #10, CIP.	LIN. FT.											680				680	
15	426.010		MULTI-CONDUCTOR CABLE, #5, CIP.	LIN. FT.									921						921	
16	426.014		MULTI-CONDUCTOR CABLE #20, CIP.	LIN. FT.									955						955	
17	426.016		SHIELDED TWISTED PAIR CABLE, CIP.	LIN. FT.									24						24	
18	426.055		CAT5E CABLE	LIN. FT.									100						100	
19	427.002		3 SECTION TRAFFIC SIGNAL ASSEMBLY (HAWK ARRANGEMENT), CIP.	EA									8						8	
20	427.023		PEDESTRIAN SIGNAL, LED, COUNTDOWN, CIP.	EA									4						4	
21	427.031		3 SECTION BACKPLATE (HAWK ARRANGEMENT), CIP.	EA									8						8	
22	428.015		ACCESSIBLE PUSH BUTTON STATION, CIP.	EA									4						4	
23	428.210		CIRCUIT TELEVISION (CCTV) (FIX DOME), CAMERA, CIP.	EA									1						1	
24	429.001		TRAFFIC ACTUATED CONTROLLER, CIP.	EA									1						1	
25	429.021		8 PHASE DUAL RING CONTROLLER CABINET, CIP.	EA									1						1	
26	432.002		ROADWAY LUMINAIRE. TYPE 400S. CIP.	EA											2				2	
27	435.006		FIBER OPTIC CABLE 6 SMFO, INCL. TRACER WIRE, CIP	LIN. FT.													170		170	
28	435.012		FIBER OPTIC CABLE 12 SMFO, INCL. TRACER WIRE, CIP	LIN. FT.													555		555	
29	435.096		FIBER OPTIC CABLE 96 SMFO, INCL. TRACER WIRE, CIP	LIN. FT.													3530		3530	
30	435.600		SPLICE CLOSURE. WITH CABLE SPLICE	EA													4		4	
31	435.702		MANAGED FIELD ETHERNET SWITCH	EA									1						1	
32	435.702		TESTING/TROUBLESHOOTING, COMPL.	HR									<u> </u>				8		8	
33	441.005		REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LIN. FT.	_						170						-		170	
34	450.001		ALUMINUM PANEL SIGN, CIP.	SQ. FT.	+	 					30								30	
35	450.001		SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP.		_						50								50	
			MOBILIZATION, COMPL.	LIN. FT.	1		10				30									-
36	621.4.1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LS	1	-	LS												LS	
37	1600.001	707335	VIBRATION MONITORING AND DIGITAL VIDEO RECORDING TYPE III STANDARD, 35' ARM	LS EA	_		LS				_		2						LS 2	-

**BID ITEMS TO MEET NMDOT 2019 SPECIFICATIONS			

OR M. GUT/ N MEXICO (20915) Orada 7 Julia July 1, 2021 DESIGNED BY: XX
DRAWN BY: XX 2155 LOUISIANA BLVD NE, SUITE 9500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454 SAN PEDRO HAWK SIGNAL Mo./Day/Yr. Mo./Day/Yr. 4 28

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TITLE:

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT

SUMMARY OF QUANTITIES

Albuquerque City Engineer and Design Review Commmittee July 16, 2021

ZONE MAP NO. K18 CITY PROJECT NO. 603699

GENERAL NOTES FOR PAVEMENT MARKINGS

- ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARDS AND SPECIFICATIONS, CURRENT UPDATE OR THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION. 2020 EDITION AND THE 2009 MUTCD.
- ALL REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTION 721
 OF THE NMIDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.
 PAINTING OVER EXISTING STRIPING DOES NOT CONSTITUTE APPROVED STRIPING REMOVAL OR OBLITERATION.
- 3. THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE PROJECT MANAGER.
- 4. THE CONTRACTOR MAY BE REQUIRED BY THE PROJECT MANAGER TO PREPARE AS-BUILT DRAWINGS OF THE EXISTING STRIPING AND PAVEMENT MARKINGS PRIOR TO CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS ON FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED. THE LAYOUT OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO THE APPLICATION OF MATERIALS.
- 6. THE FINAL LONGITUDINAL STRIPING SHALL BE 60 MIL (0.060") THICK PREFORMED PLASTIC STRIPING INLAID INTO THE PAVEMENT SURFACE WITHIN 14 TO 30 CALENDAR DAYS AFTER COMPLETION OF THE FINAL PAVEMENT SURFACE, OR AS DIRECTED BY THE PROJECT MANAGER. ALL OTHER MARKINGS SHALL BE APPLIED AT THE SAME TIME. TEMPORARY STRIPING SHALL BE PAINT UNLESS NOTED OTHERWISE.
- ALL FINAL TRANSVERSE MARKINGS SHALL BE 60 MIL (0.060") PREFORMED PLASTIC STRIPING. ALL PAVEMENT ARROWS AND LEGENDS SHALL BE PREFORMED PLASTIC PAVEMENT MARKING.
- 8. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE PROJECT MANAGER BY SWEEPING AND AIR—JET BLOWING IMMEDIATELY PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS. THE TEMPERATURE SHALL NOT BE LESS THAN 50°F FOR THE PLACEMENT OF PLASTIC STRIPING.
- THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS AND STANDARDS WHEN INSTALLING PAVEMENT, STRIPING, MARKINGS AND MARKERS.
- 10. STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.
- 11. REPLACE PAVEMENT MARKINGS ON SIDE STREETS THAT ARE DAMAGED OR REMOVED BY CONSTRUCTION ACTIVITIES, ON SIDE STREETS WHERE PAVEMENT MARKINGS ARE TO BE REPLACED, MATCH EXISTING LANE WIDTHS AND LINE STYPES.
- 12. ALL PROPOSED STRIPING SHALL BE THERMOPLASTIC PER COA STANDARD SPECIFICATIONS.

ITEMS INCLUDED IN THE COST OF OTHER WORK AND INCIDENTAL ITEMS

- SIGN MOUNTING HARDWARE AND BRACKETS PER GENERAL NOTES. THIS WORK IS INCLUDED IN THE COST OF 450,001 — ALUMINUM SIGN PANEL, CIP.
- 2. AS-BUILT RECORDS PER PAVEMENT MARKINGS GENERAL NOTE 4.
- CLEANING AND REMOVAL OF DEBRIS FOR EXISTING SIGNS TO REMAIN PER PERMANENT SIGNS GENERAL NOTE THIS WORK IS INCLUDED IN THE COST OF REFLECTORIZED PLASTIC PAVEMENT MARKINGS AND SYMBOLS, AS APPLICABLE.
- REMOVAL OF SIGNS NOT DESIGNATED BUT REQUIRED PER PERMANENT SIGNS GENERAL NOTE 2. THIS WORK IS INCLUDED IN THE COST OF 450.101 - SIGN, POST, & BASE POST, REMOVE & SALVAGE, COMPL.
- MAST ARM MOUNTING HARDWARE FOR MAST ARM MOUNTED SIGNAGE. THIS WORK IS INCLUDED IN THE COST OF 450.001 – ALUMINUM SIGN PANEL, CIP.
- POST MOUNTING HARDWARE FOR SIGNS MOUNTED ON SIGNAL AND LUMINAIRE POSTS. THIS WORK IS INCLUDED IN THE COST OF 450.001 - ALUMINUM SIGN PANEL, CIP.
- 6. SIDE STREET PAVEMENT MARKINGS PER PERMANENT MARKINGS GENERAL NOTE 12. THIS WORK IS INCLUDED IN THE COST OF REFLECTORIZED PLASTIC PAVEMENT MARKINGS AND SYMBOLS, AS APPLICABLE.
- 7. REMOVAL OF EXISTING PARKING METER EQUIPMENT, PER PARKING METERS NOTES. THIS WORK IS INCLUDED IN THE COST OF 450.101 — SIGN, POST, & BASE POST, REMOVE & SALVAGE, COMPL.
- S. REMOVAL OF CURING COMPOUND FROM PAVEMENT OR CURB SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF PAVEMENT MARKING OR STRIPE.

GENERAL NOTES FOR PERMANENT SIGNS

- 1. ALL NEW SIGNS SHALL MEET THE MINIMUM REQUIREMENTS SPECIFIED IN THE MUTCD CURRENT EDITION.
- ALL EXISTING SIGNS NOT SHOWN ON THESE PLANS ARE TO REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
- ANY SIGNS REQUIRED TO BE SALVAGED AND RELOCATED SHALL BE PAID FOR UNDER ITEM 450.102 SIGN, POST, & BASE POST, REMOVE AND RELOCATE, COMPL.
- 4. ALL EXISTING SIGNS SALVAGED AND NOT REINSTALLED ON THE PROJECT SHALL BE SALVAGED TO THE CITY.
- 5. ALL NEW SIGNS SHALL BE MOUNTED ON A GAGE AND NUMBER OF POSTS AS SPECIFIED IN THESE PLANS.
- 6. CONTRACTOR SHALL INSTALL A CORRESPONDINGLY SIZED 30 INCH LONG BASE POST WITH AN 18 INCH LONG BASE POST SLEEVE. SIGN POSTS SHOULD BE INSERTED 6 INCHES INTO THE BASE POST OR PER MANUFACTURER'S DECOMMENDATIONS.
- 7. PERMANENT SIGN LOCATIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSESS UTILITY CONFLICTS AT PROPOSED SIGN LOCATIONS. SIGNS THAT MUST BE MOVED TO AVOID UNDERGROUND UTILITY CONFLICTS OR FOR OTHER REASONS SHALL BE PLACED TA A LOCATION SPECIFIED BY THE ENGINEER.
- LOCAL BUS ROUTE BASE POST INSTALLATION LOCATIONS IN THESE PLANS ARE APPROXIMATE. THE FINAL LOCATION OF EACH BUS ROUTE BASE POST FOR LOCAL STOPS ARE TO BE DETERMINED IN THE FIELD BY AN ABQ RIDE REPRESENTATIVE.
- ALL NEW SIGNS SHALL MEET THE REQUIREMENT AS SPECIFIED IN THE SIGN SHEETING REQUIREMENTS TABLE AS
 FOLLOWS:

SIGN SHEETING REQUIREMENTS:

SIGN	SIGN CODE	COLOR	LETTER SHEETING	BACKGROUND SHEETING
STOP	R1-1	(W/RED)	TYPE VIII OR IX	TYPE IX OR XI
YIELD	R1-2	(W/RED)	TYPE VIII OR IX	TYPE IX OR XI
DO NOT ENTER	R5-1	(W/RED)	TYPE VIII OR IX	TYPE IX OR XI
WRONG WAY	R5-1a	(W/RED)	TYPE VIII OR IX	TYPE IX OR XI
SCHOOL BUS SIGN	S3-1	(BLK/FLUORESCENT YELLOW GREEN)	TYPE VIII OR IX	TYPE IX OR XI
SCHOOL BUS XING	S1-1	(BLK/FLUORESCENT YELLOW GREEN)	TYPE VIII OR IX	TYPE IX OR XI
PEDESTRIAN XING	W11-2	(BLK/FLUORESCENT YELLOW GREEN)	TYPE VIII OR IX	TYPE IX OR XI
BIKE XING	W11-1	(BLK/FLUORESCENT YELLOW GREEN)	TYPE VIII OR IX	TYPE IX OR XI
ALL SCHOOL/PED/BIKE SUPPLEMENTAL PLAQUES		(BLK/FLUORESCENT YELLOW GREEN) WHEREVER BLK/YELLOW IS SPECIFIED AS COLOR IN MUTCD	TYPE VIII OR IX	TYPE IX OR XI
ALL OTHER WARNING SIGNS & SUPPLEMENTAL PLAQUES		(BLK/FLUORESCENT YELLOW) WHEREVER BLK/YELLOW IS SPECIFIED AS COLOR IN MUTCD	TYPE VIII OR IX	TYPE IX OR XI
GUIDE & DESTINATION SIGNS INCLUDED EXTRUDED (OVERHEAD & GROUND MOUNTED)	ALL	(W/GREEN) EXCEPT WHERE SPECIFIED IN THE MUTCD	TYPE VIII OR IX	TYPE XI
GUIDE & DESTINATION SIGNS INCLUDED EXTRUDED (GROUND MOUNTED)	ALL	(W/GREEN) EXCEPT WHERE SPECIFIED IN THE MUTCD	TYPE VIII OR IX	TYPE IX OR XI
E-CODE SIGNS	E11-1, 1a, 1b, 1c	(BLK/FLUORESCENT YELLOW)	TYPE VIII OR IX	TYPE XI
RECREATIONAL & CULTURAL INTERESTS		(W/BROWN)	TYPE VIII OR IX	TYPE IV
GENERAL SERVICE	ALL	(W/BLUE)	TYPE VIII OR IX	TYPE IV
SPECIFIC SERVICE	ALL	(W/BLUE)	TYPE VIII OR IX	TYPE IV
ALL OTHER PERMANENT SIGNS	ALL	(BLK/WHITE) EXCEPT WHERE SPECIFIED OTHERWISE IN THE MUTCD	TYPE IV	TYPE IV

WORK STAKED BY MOSPECTOR'S ANDSPECTOR'S ANDSPECTOR'S PERLID VERICATION BY CORRECTED BY MICRO-RECORDED THE -K16A*. ON THE E BETW MATCH A GOT OF ALBOURDAD AND TO THE ADMINISTRATION OF ALBOURDAD AND THE ADMINISTRATION OF ALBOURDAD AND THE ADMINISTRATION OF AND COLUMBA OF M. GU MEX, \(\hat{c}\) 20915 ESSIONAL ENG amada An Julias JULY 1, 2021 DATE 8 Mo./Day/Yr. Mo./Day/Yr.

2155 LOUISIANA BLVD NE, SUITE 9500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT

SAN PEDRO HAWK SIGNAL PERMANENT SIGNING AND STRIPING GENERAL NOTES

Approved by Alls Engineer Approval
City Engineer and Design
Review Commmittee July 16, 2021

603699

: MAP NO. | SHEET | 5

Jul 2021 - 1:35pm User: ANUNEZTO Layout: PS_GN01-01 Vame: 000000000231026/13.00_CAD/13.02_Project_Submittals/-SAN PEDRO HAWK SIGNAL/PS_GN0

	CONSTRUCTION ENGINEERING & LUMP SUM ITEMS ITEM NO. DESCRIPTION UNITS								
ITEM NO.									
4,010	CONSTRUCTION STAKING BY THE CONTRACTOR, COMP.	L.S.							
4,020	CONSTRUCTION SURVEYING BY THE CONTRACTOR, COMP.	L.S.							
19,010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.	L.S.							
30.020	NPDES PERMITTING, COMPL.	L.S.							
621.4.1	MOBILIZATION, COMPL.	L.S.							
1600.001	VIBRATION MONITORING AND DIGITAL VIDEO RECORDING	L.S.							

ITEM NUMBER	DESCRIPTION	UNIT	SUBTOTAL	USE
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LIN. FT.	168.00	170
450.001	ALUMINUM PANEL SIGN, CIP.	SQ. FT.	26.00	30
450.010	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP.	LIN. FT.	41.01	50

	REFLECTORIZED PLASTIC PAVEMENT MARKINGS									
			ITEM 441.005 24" (LIN. FT.)	REMARKS						
STATION	то	STATION	SOLID WHITE							
121+91.28		121+91.28	34	EB STOPBAR						
122+37.28		122+37.28	50	EB CROSSWALK						
123+55,28	-	123+55,28	50	WB CROSSWALK						
124+01.28	-	124+01,28	34	WB STOP BAR						
SI	SUBTOTAL									
US	USE (LIN. FT.)									

	PERMANENT SIGNING																											
					PANEL SI			SHEE	TING		POSTS L	ENGTHS		MOUNTING REQUIREMENTS						BASE	POSTS	POSTS						
SIGN CODE	PAN	EL SIZE	(IN.)	ITEM NO. 450.001	PANEL LEGEND	LETTERING BACKGROUND		LECT	LEET CTD		LEFT CTR. RIGHT		LEET STD DIGHT TO		TC PICUT TC				TOTAL LIN.	U	-CHANNEL			JARE TUBI		NO.	TOTAL	ITEM NO. 450.010
	w	х	Н	SQ FT		REFLECTIVITY TYPE	REFLECTIVITY TYPE	LEFT CTK. RIGHT		2.50 LB/FT	3.00 LB/FT		1.75"X1.7 5" 12GA	2.0"X2.0" 12 GA	2.50"X2.50" 10 GA	NO.	LIN. FT	LIN. FT.										
R10-23	24	X	30	5.00	CROSSWALK STOP ON RED	VIII	XI	MOUNT TO SIGNAL MAST ARM			N/A	MOUNT TO SIGNAL MAST ARM						N/A	N/A	N/A								
R10-23	24	Х	30	5.00	CROSSWALK STOP ON RED	VIII	XI	MOUNT	TO SIGNAL M	AST ARM	N/A	MOUNT TO SIGNAL MAST ARM				N/A	N/A	N/A										
R10-6R	12	X	18	1.50	STOP HERE ON RED	VIII	XI		10.00		10.00				Х			1.00	3.67	13.67								
R10-6L	12	X	18	1.50	STOP HERE ON RED	VIII	XI		10.00		10.00				X			1.00	3.67	13.67								
R10-6R	12	X	18	1.50	STOP HERE ON RED	VIII	XI		10.00		10.00				X			1.00	3.67	13.67								
R10-6L	12	X	18	1.50	STOP HERE ON RED	VIII	XI	MOL	NT TO LIGHT	POLE	N/A		N	IOUNT TO	LIGHT POI	LE		N/A	N/A	N/A								
R10-23	24	Х	30	5.00	CROSSWALK STOP ON RED	VIII	XI	MOUNT	TO SIGNAL M	AST ARM	N/A		MOU	NT TO SIG	NAL MAST	ARM		N/A	N/A	N/A								
R10-23	24	Х	30	5.00	CROSSWALK STOP ON RED	VIII	XI	MOUNT TO SIGNAL MAST ARM		N/A		MOU	NT TO SIG	NAL MAST	ARM		N/A	N/A	N/A									
	TOTAL			26.00				30.00						11.01	41.01													
	USE			30																50								

M. GUT N MEXICO (20915) anada m Julia July 1, 2021 DESIGNED BY: XX
DRAWN BY: XX
CHECKED BY: XX 2155 LOUISIANA BLVD NE, SUITE 9500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454 CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL
DEVELOPMENT
SAN PEDRO HAWK SIGNAL
PERMANENT SIGNING AND STRIPING
QUANTITIES Design Review Committee by Albuquerque Approved Mo./Day/Yr. Mo./Day/Yr. City Engineer and Design Review Commmittee July 16, 2021 ZONE MAP NO. K18 6

TITLE:

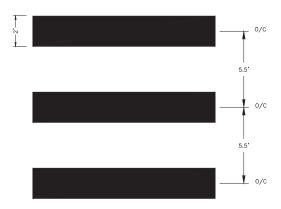
CITY PROJECT NO. 603699

PERMANENT SIGNING DETAILS





MARKING DETAILS



CROSSWALK BAR SPACING DETAIL

NOT TO SCALE

SIGN LEGEND

R2-5a-24 SIGN CODE
24*X30" SIGN DIMENSION
WIG SIGN COLOR
MICTO SIGN CODE
MESSAGE VARIATION
R2-5a-24 HORIZONTAL DIMENSION

SIGN LEGEND
(LEGENDBACKGROUND)

(LEGEND/BACKGROUND)

W-WHITE B-BLACK R-

 Y - YELLOW
 BL - BLUE
 G - GREEN

 O - ORANGE
 BR - BROWN
 S - SILVER

 FY - FL YELLOW
 FYG - FL YELLOW GREEN

M. GUTTER PREZIDENT OF THE PROPERTY OF THE PRO

DESIGNED BY:)
DRAWN BY:)
CHECKED BY:)

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2155 LOUISIANA BLVD NE, SUITE 9500 ALBUQUERQUE, NM 87110 MAIN. (505) 830-5404 FAX: (506) 930-5454

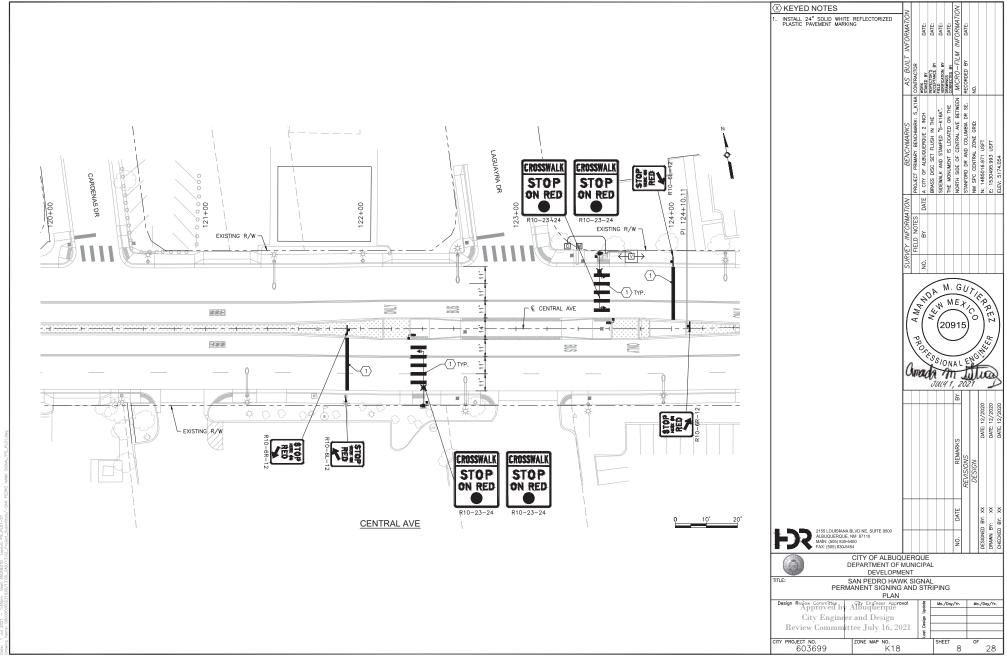
TITLE:

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL
DEVELOPMENT
SAN PEDRO HAWK SIGNAL

SAN PEDRO HAWK SIGNAL PERMANENT SIGNING AND STRIPING DETAILS

	DETAILS			
Design Review Committee Approved by	City Engineer Approval	Update	Mo./Day/Yr.	Mo./Day/Yr.
1 ** 1				
City Enginee		Design		
Review Commmit	ttee July 16, 2021			
		Lost		
CITY PROJECT NO.	ZONE MAP NO.		SHEET	OF
603699	K18		7	28

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ITS COMMUNICATION SCHEDULES

LONG HAUL FIBER OPTIC CHANNEL ASSIGNMENT TABLE							
BUFFER TUBE / FIBER	SAN MATEO NODE CABINET TO END OF PROJECT						
BLUE / 1, 2	100 MBPS BACKBONE RETURN						
BLUE / 3-6	х						
BLUE / 7, 8	100 MBPS BACKBONE						
BLUE / 9, 10	х						
BLUE / 11, 12	x						

LOCAL FIBI	ER OPTIC CHANNEL ASSIGNMENT TABLE
BUFFER TUBE / FIBER	SAN MATEO NODE CABINET TO END OF PROJECT
GREEN / 1, 2	LOCAL COM 1
GREEN / 3, 4	x
GREEN / 5, 6	x
GREEN / 7, 8	x
GREEN / 9, 10	x
GREEN / 11, 12	x
ORANGE / 1, 2	
ORANGE / 3, 4	LOCAL COM 2*
ORANGE / 5, 6	
ORANGE / 7-12	
BROWN / 1, 2	
BROWN / 3, 4	LOCAL COM 2 RETURN*
BROWN / 5, 6	
BROWN / 7-12	
SLATE / 1, 2	LOCAL COM 1 RETURN
SLATE / 3-12	X

*THE CONTRACTOR IS TO FIELD VERIFY WHICH FIBERS
ARE ASSIGNED "LOCAL COM 2" BETWEEN SAN MATEO BLVD
AND SAN PEDRO DRIVE FOR SAN PEDRO HAWK CCTV SPLICE.

ART TRANSIT FIBER OPTIC CHANNEL ASSIGNMENT TABLE						
BUFFER TUBE / FIBER	SAN MATEO NODE CABINET TO END OF PROJECT					
WHITE / 1, 2	LOCAL COMM. 4					
WHITE / 3, 4	LOCAL COMM. 4 RETURN					
WHITE / 5, 6	х					
WHITE / 7, 8	х					
WHITE / 9, 10	LOCAL COMM. 6					
WHITE / 11, 12	LOCAL COMM. 6 RETURN					

ART TRANSIT FIBER OPTIC CHANNEL DEVICE ASSIGNMENTS					
LOCAL COMM. 1	TRANSIT ITS SYSTEM				
LOCAL COMM. 2	SECURITY CCTV SYSTEM				
LOCAL COMM. 3	SECURITY CCTV SYSTEM				
LOCAL COMM. 4	TRANSIT ITS SYSTEM				
LOCAL COMM. 5	SECURITY CCTV SYSTEM				
LOCAL COMM. 6	SECURITY CCTV SYSTEM				

PROPOSED ITS COMPONENT LOCATIONS

CONTROL CABINET, SPLICE VAULT, AND PULL BOX LOCATIONS							
ID	TYPE	STATION	OFFSET (FT)	SIDE			
V5	PR. SPLICE VAULT	123+74.28	46.62	LT			
SC3	PR. SIGNAL CABINET	123+33.16	53.21	LT			
М3	PR. ELECTRIC METER	123+40.67	53,21	LT			

ITS QUANTITIES (ESTIMATED)

ITS QUANTITIES (ESTIMATED)								
UNIT NUMBER	ITEM	UNIT	TOTAL					
	FIBER OPTIC SPLICE VAULT, CIP	EA	1					
435.006	FIBER OPTIC CABLE 6 SMFO, INCL.TRACER WIRE, CIP	LF	170					
435.012	FIBER OPTIC CABLE 12 SMFO, INCL.TRACER WIRE, CIP	LF	555					
435.096	FIBER OPTIC CABLE 96 SMFO, INCL.TRACER WIRE, CIP	LF	3,530					
435.600	SPLICE CLOSURE, WITH CABLE SPLICE	EA	4					
435.708	TESTING/TROUBLESHOOTING, COMPL.	HR	8					
	SIDEWALK REPLACEMENT							
	SIDEWALK, 4" THICK, PCC, INCL. SUBGRADE							
340.01	COMPACTION, CIP SD 2430	SY	10					
343.085	EXISTING SIDEWALK, 4" PCC, REMOVE & DISPOSE	SY	10					

GENERAL NOTES

- ALL WORK ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT NATIONAL ELECTRIC CODE. THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS, THE CITY'S STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
- 2. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
- 3. SPLICING OF COMMUNICATIONS CABLE WILL NOT BE PERMITTED IN PULL BOXES, SPLICING OF COMMUNICATIONS CABLE (CONNECTIONS) WILL BE PERMITTED ONLY AT SPLICE VAULTS, SPLICE CABINETS, SPLICE CLOSURES, OR CONTROLLER CABINETS WITH SPLICE CLOSURES.
- 4. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS (TIM BROWN: 505-250-2587) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON TRAFFIC SIGNALS. TRAFFIC ENGINEERING OPERATIONS PERSONNEL AND AN OFF-DUTY POLICE OFFICER MUST BE PRESENT WHEN SIGNALS AND LICHTING ARE SHUT-OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A TRAFFIC SIGNAL CONTROL DOOR IS OPENED.
- 5. AT SPLICE VAULTS, ANY NEW FIBER CABLING SHALL BE COILED (50 FT) EACH CABLE ENTRY INTO THE VAULT, REGARDLESS OF WHETHER THERE IS A PROPOSED SPLICE CLOSURE AT THE LOCATION.
- 6. AT PULL BOXES, ANY NEW FIBER CABLING SHALL BE COILED (20 FT) EACH CABLE ENTRY INTO THE VAULT, REGARDLESS OF WHETHER THERE IS A PROPOSED SPLICE CLOSURE AT THE LOCATION.
- 7. FIBER OPTIC CABLE SHALL NOT BE INSTALLED IN THE SAME CONDUIT AS SIGNAL OR FLASHER CONDUCTORS, EXCEPT WHERE SHOWN ON THE PLANS.
- 8. LOCATION OF EXISTING CONDUITS, CONTROL CABINETS, PULL BOXES, AND SPLICE VAULTS SHOWN ON THESE PLANS ARE SCHEMATIC AND SHALL BE VERIFIED BY THE CONTRACTOR.
- 9. THE CONTRACTOR IS NOT TO DISTURB ANY SPLICE VAULT, PULL BOX OR CONDUIT CARRYING OR ENTERED BY THE EXISTING 288 STRAND CITY TELECOM FIBER OPTIC CABLE.
- 10. THE CONTRACTOR IS TO FIELD VERIFY AND MAINTAIN EXISTING COMMUNICATIONS CONNECTIONS DURING CONSTRUCTION.
- 11. THE CONTRACTOR IS TO FIELD VERIFY AND PROOF ANY EXISTING CONDUIT PRIOR TO ITS USE. FAILED CONDUIT IS TO BE REPLACED IN-KIND FOR LENGTH OF CONDUIT RUN.
- 12. THE CONTRACTOR IS TO PROVIDE GEOGRAPHIC INFORMATION SYSTEM (GIS) DATA FOR ALL TRAFFIC SIGNAL AND ITS UTILITIES TO THE CITY OF ALBUQUERQUE. THE CONTRACTOR IS TO CONTACT THE CITY PRIOR TO RECORDING TRAFFIC SIGNAL AND ITS UTILITY DATA TO ENSURE THE DATA IS IN THE CORRECT FORMAT FOR ENTRY IN THE CITY'S GISTEM. CITY CONTACT: MUHHANED ADEEB PH: 505-250-2604
- 13. SEE SPECIFICATIONS 425.021, 426.055, 435.006, 435.012, 435.096, 435.600 AND 435.702 FOR ADDITIONAL DETAILS.

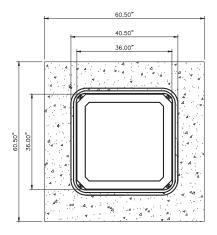
ITS CABLE SCHEDULE

CONDUIT LENGTH, SIZE, AND TYPE					CONDUIT FILL					
RUN ID		4" CONDUIT LENGTH	3" CONDUIT LENGTH	TYPE	FIBER OPTIC CABLE (288) (1 @ FT)	FIBER OPTIC CABLE (96) (1 @ FT)	FIBER OPTIC CABLE (12) (1 @ FT)	FIBER OPTIC CABLE (6) (1 @ FT)	SIGNAL INTERCONNECT TWISTED PAIR (1 @ FT)	ELECTRICAL (SINGLE CONDUCTOR #2) (3 @ FT)
C1	CENTRAL AVE (WEST) TO V1	EXISTING		MULTI	EXISTING*					
C2	CENTRAL AVE (WEST) TO V2		EXISTING	SINGLE		EXISTING				EXISTING
C3	PB1 TO P1		EXISTING	SINGLE						
C4	V2 TO S1		EXISTING	SINGLE			120**			
C5	PB1 TO M1		EXISTING	SINGLE						EXISTING
C6	V2 TO V3		EXISTING	SINGLE		290**	290**			
C7	V3 TO SC1		EXISTING	SINGLE			70**			
C8	V3 TO NC1		EXISTING	SINGLE		65**				
C9	V2 TO PB2		EXISTING	SINGLE		675**				
C10	V1 TO PB3	EXISTING		MULTI	EXISTING*					
C11	PB3 TO PB5	EXISTING		MULTI	EXISTING*					
C12	PB2 TO PB4		EXISTING	SINGLE		445**				
C13	PB4 TO V4		EXISTING	SINGLE		485**				
C14	V4 TO SC2		EXISTING	SINGLE			75**			
C15	V4 TO ALVARADO DR (SOUTH)		EXISTING	SINGLE					EXISTING	
C16	V4 TO SC2		EXISTING	SINGLE					EXISTING	
C17	V4 TO PB7		EXISTING	SINGLE		980**				
C18	PB5 TO PB6	EXISTING		MULTI	EXISTING*					
C19	PB7 TO SAN PEDRO STATION		EXISTING	SINGLE			(FUTURE)			(FUTURE)
C20	PB7 TO SC3		EXISTING	SINGLE				70**		
C21	PB7 TO V5		EXISTING	SINGLE		100**		100**		
C22	V5 TO V6		EXISTING	SINGLE		490**				
C23	PB6 TO CENTRAL AVE (EAST)	EXISTING		MULTI	EXISTING*					
C24	V6 TO PB8		EXISTING	SINGLE		EXISTING				
C25	PB8 TO CENTRAL AVE (EAST)		EXISTING	SINGLE		EXISTING				
C26	PB8 TO SC4		EXISTING	SINGLE					EXISTING	
SUBTOTAL	·					3,530	555	170		

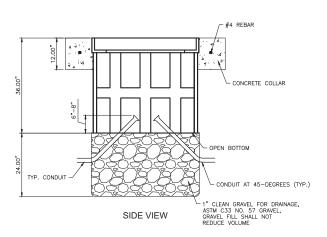
*SHOWN ON PLANS FOR INFORMATION ONLY. SEE GENERAL NOTE 9.
**CABLE SLACK REQUIREMENTS FOR NEW CABLE: 50 FT. OF CABLE COIL IN VAULT, 20 FT. IN PULL BOXES AND 10 FT. OF CABLE QUANTITY SHOWN ABOVE.
CABINETS. CABLE SLACK IS INCLUDED IN THE CABLE QUANTITY SHOWN ABOVE.

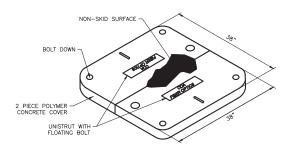
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123+74.28	LT	FO (288 S	TRAND)	17/	_		,	~		MICRO-FILM	'n				
				AS BUIL	PROJECT PRIMARY BENCHMARK: 5_K16A CONTRACTOR	\ -	INSPECTOR'S ACCEPTANCE BY	NO B	D BY	0					
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FX	2155 3180 4180 MAIN FAX:	LOUISIANA E (SIG) SISS-SIG	BILVO NE, SUITE 9500 WM 87110 94 CITY OF ALBU	QUE			283	510) N	DATE REMARKS BY) LE COZ	1	BY: T. NAPIORKOWSKI	BY: T. NAPIORKOWSKI	R. ACEVEDO
F)R	2155 2180 ALBUM MAIN FAX:		CITY OF ALBU	F MU	RC	RUE	100	510) N	DATE REMARKS BY) LE COZ	1	BY: T. NAPIORKOWSKI	BY: T. NAPIORKOWSKI	R. ACEVEDO
FC4	2155 ALBIN FAX:	D	CITY OF ALBU EPARTMENT O DEVELOP	F MU MEN	RG	RUE	AL.	510) N	DATE REMARKS BY) LE COZ	1	BY: T. NAPIORKOWSKI	BY: T. NAPIORKOWSKI	R. ACEVEDO
FOR THE	2155 ALBIN FAX	D	CITY OF ALBU EPARTMENT O DEVELOP SAN PEDRO HA	MEN WK	RC	QUE SIP	AL AL	\$100	ON WITH	DATE REMARKS BY) LE COZ	1	BY: T. NAPIORKOWSKI	BY: T. NAPIORKOWSKI	R. ACEVEDO
		S ITS (CITY OF ALBU EPARTMENT O DEVELOP SAN PEDRO HA QUANTITIES AN	MEN MEN WK:	RC	QUE SIP	AL AL	\$100	ON WITH	DATE REMARKS BY) LE COZ	1	BY: T. NAPIORKOWSKI	BY: T. NAPIORKOWSKI	R. ACEVEDO
		S ITS (CITY OF ALBU EPARTMENT O DEVELOP SAN PEDRO HA QUANTITIES AN	MEN MEN WK:	RC	QUE SIP/ ED	AL AL	SIO PURE ES	ON WITH	NO. DATE REMARKS BY COMPANY) LE COZ	DESIGN	BY: T. NAPIORKOWSKI	DRAWN BY: T. NAPIORKOWSKI	CHECKED BY: R. ACEVEDO
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Design Review Ci Review	Common Co	ITS Continued by Angineer	CITY OF ALBU EPARTMENT O DEVELOP SAN PEDRO HA QUANTITIES AN ASSENTING THE PROPERTY AND PEDRO and Design	F MU MEN WK : ID So roval	RC	Design update and an analysis of the part	E S. O.	SIO PURE ES	O N N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NO. DATE REMARKS BY COMPANY) LE COZ	DESIGN	DESIGNED BY: T. NAPIORKOWSKI	DRAWN BY: T. NAPIORKOWSKI	CHECKED BY: R. ACEVEDO

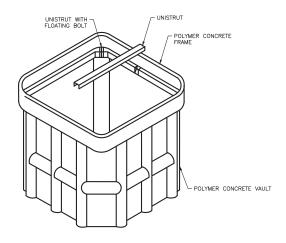
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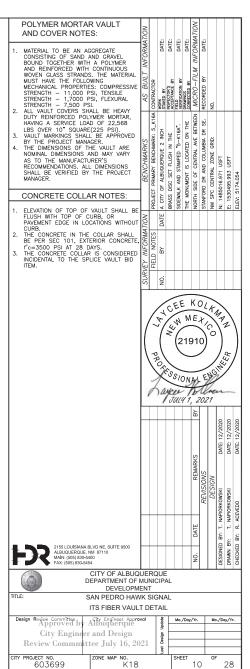


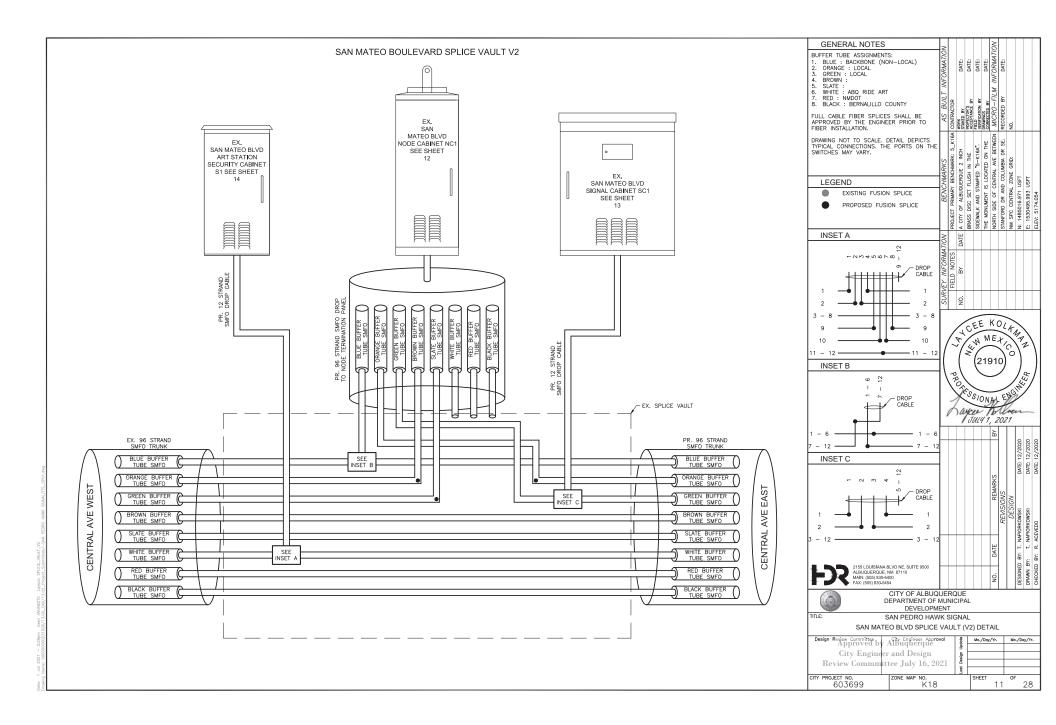
TOP VIEW



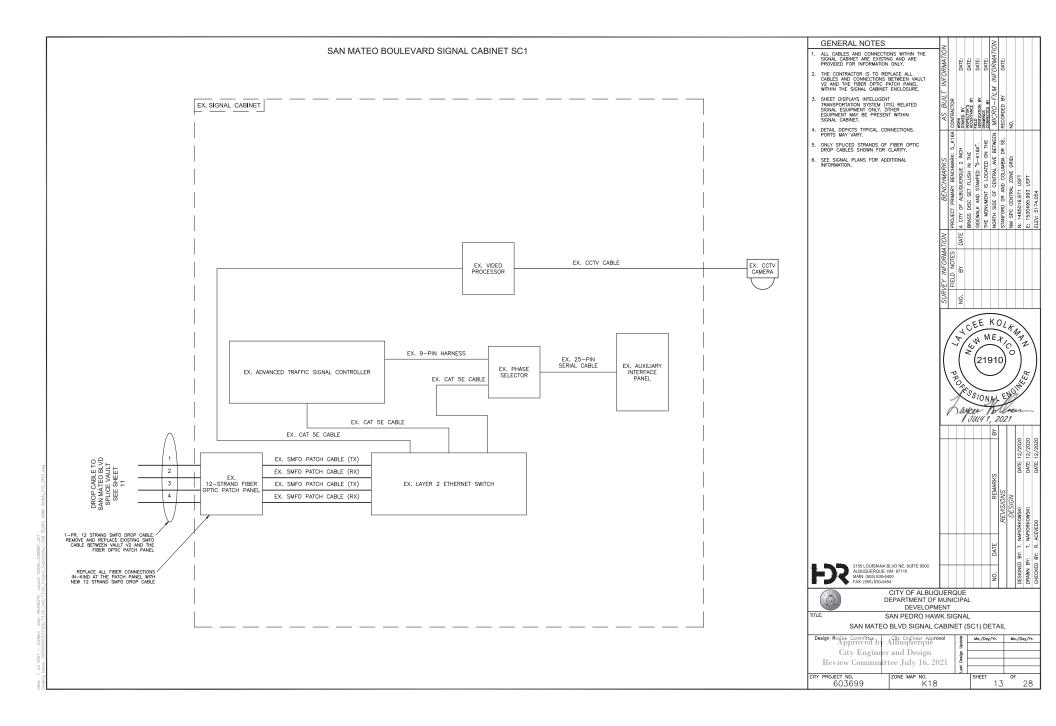


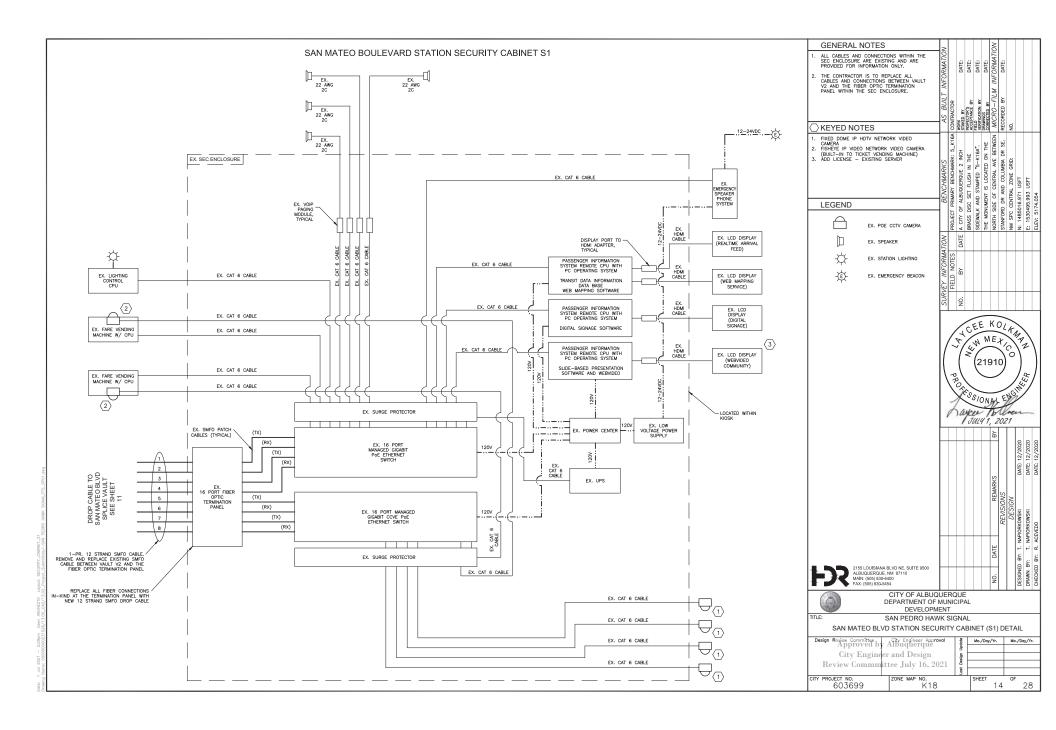


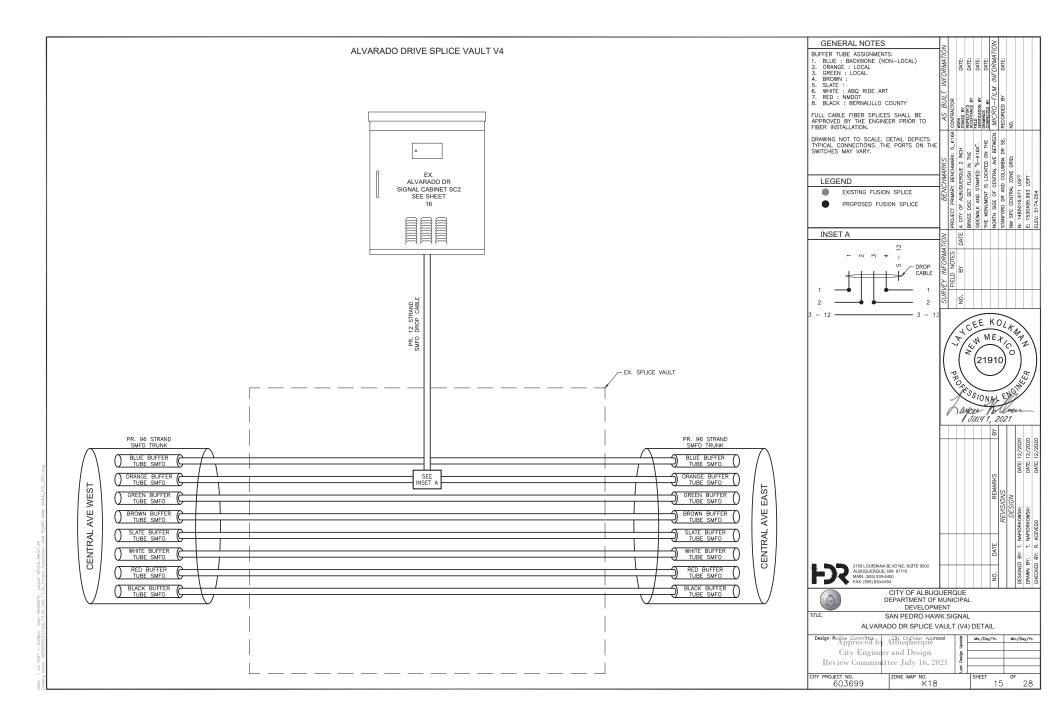


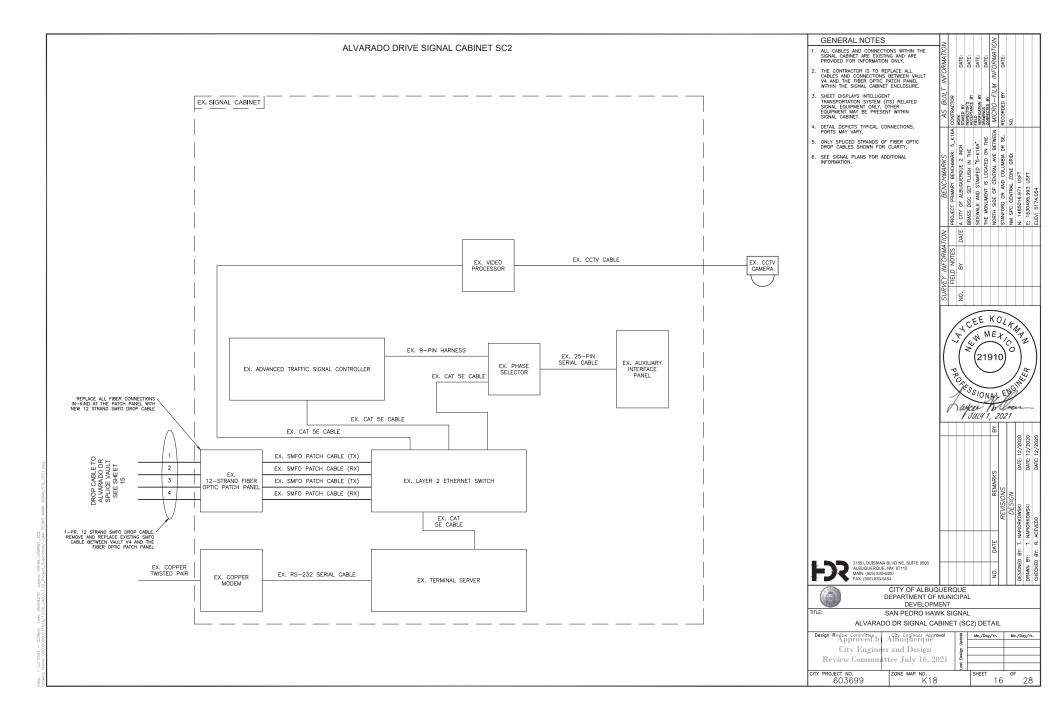


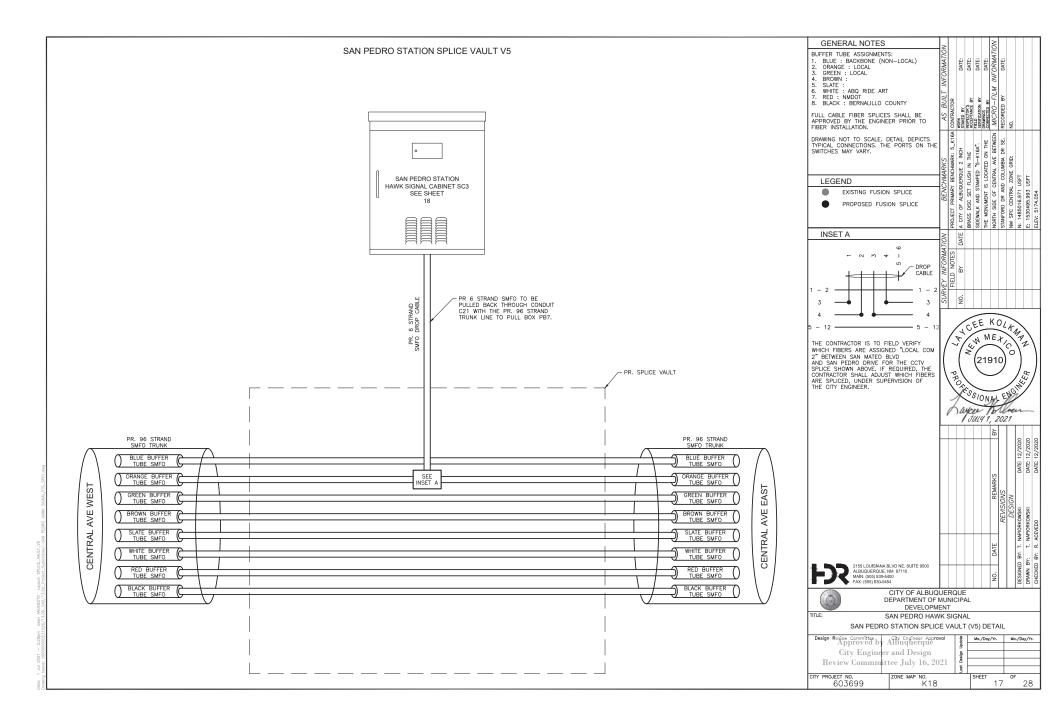
) ote: 1 Jul 2021 - 2:29pm User: ANUNEZTO Layout: NODE_CABINET_NC1 Drawing Name: 000000000231026/13.00_CAD/13.02_Project_Submittals/-SAN PEDRO MAWK SIGNAL/ITS_SP01.c

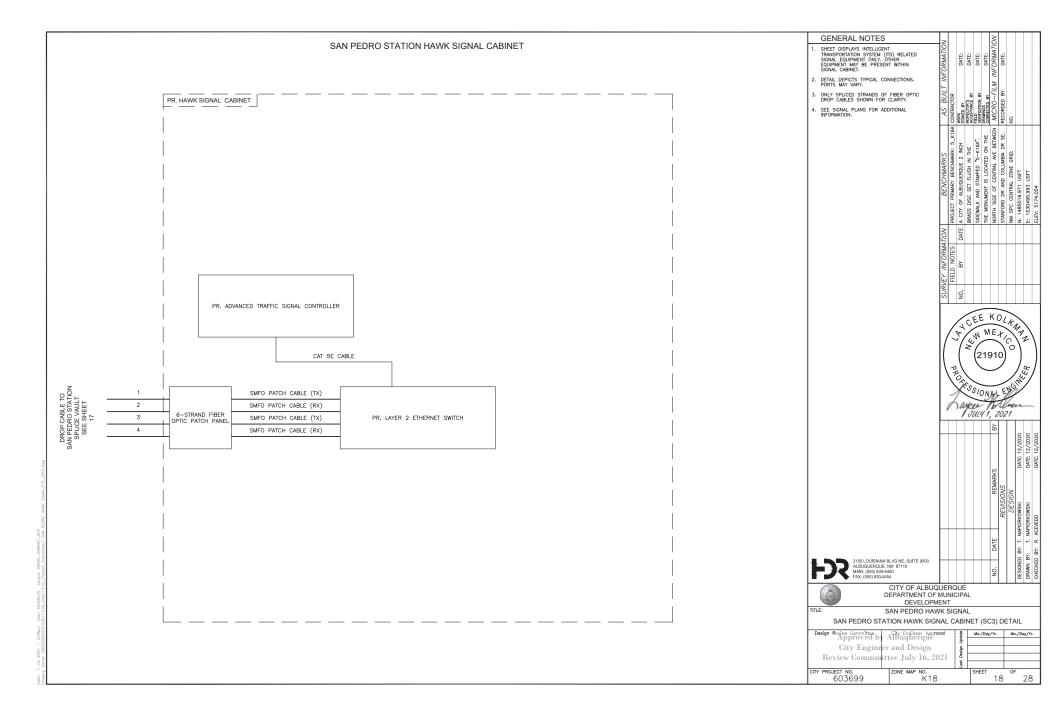


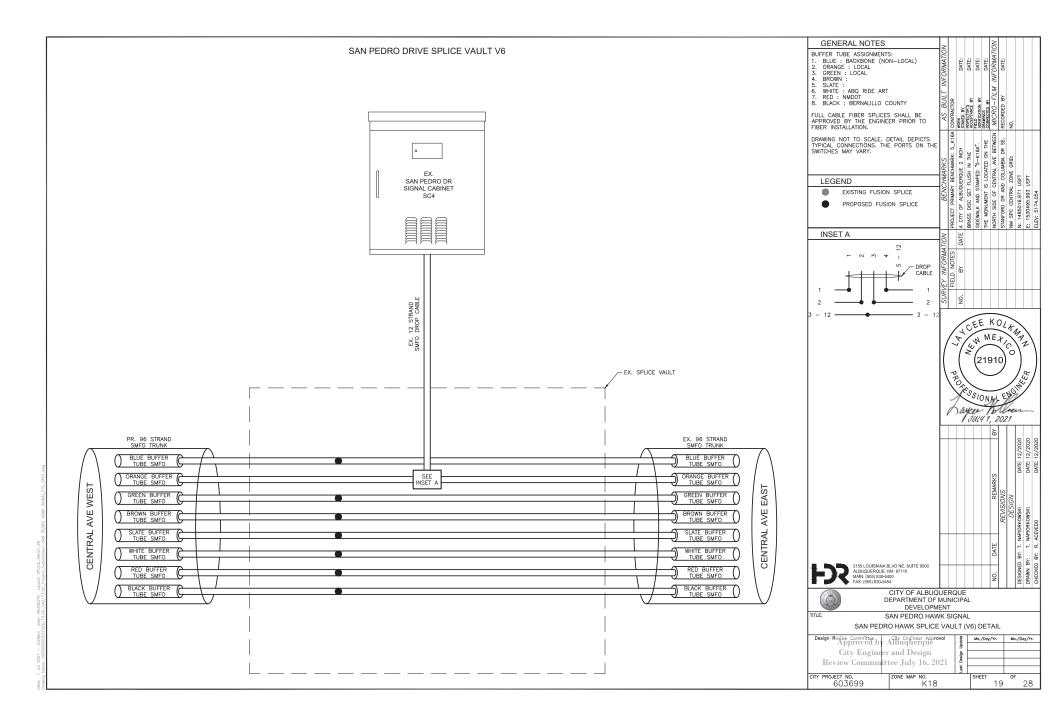


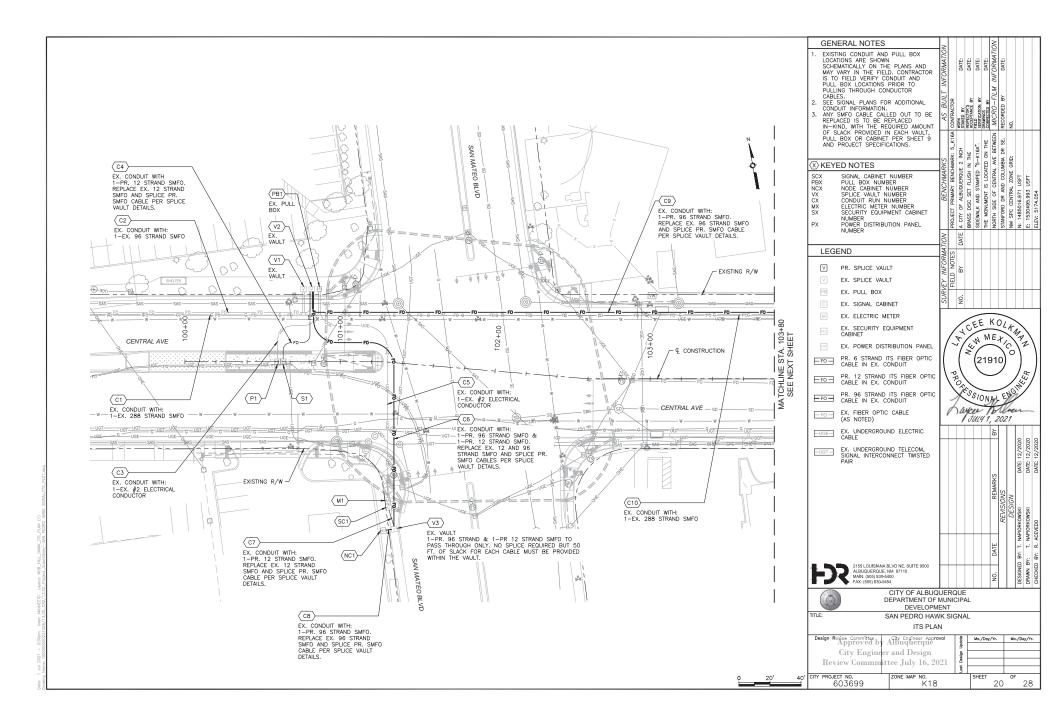


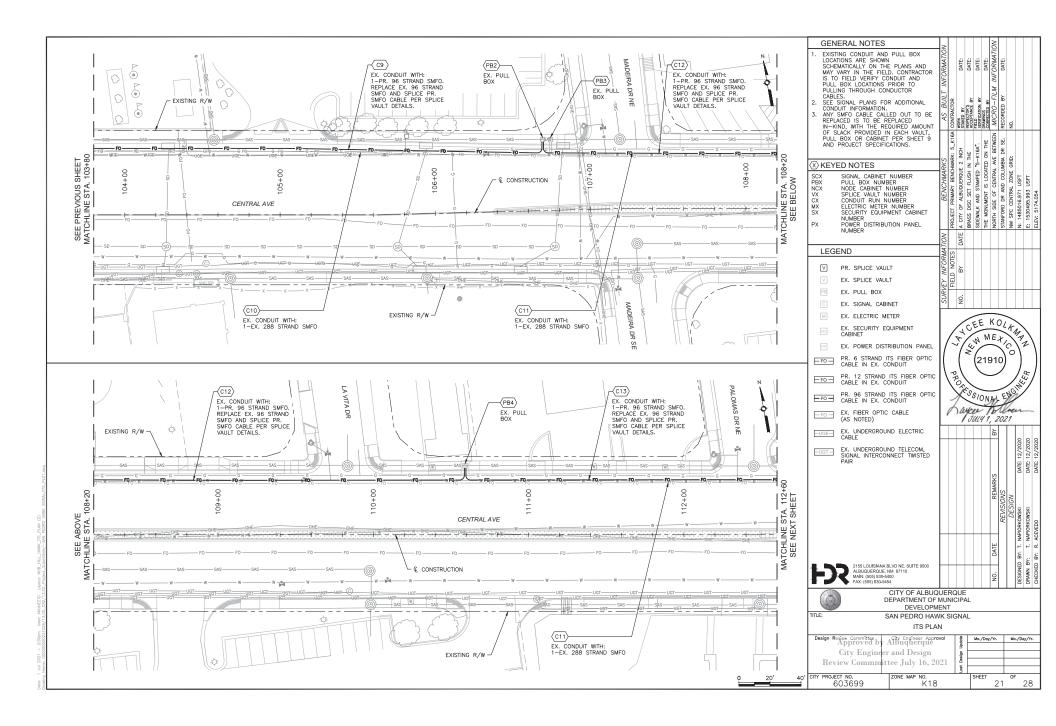


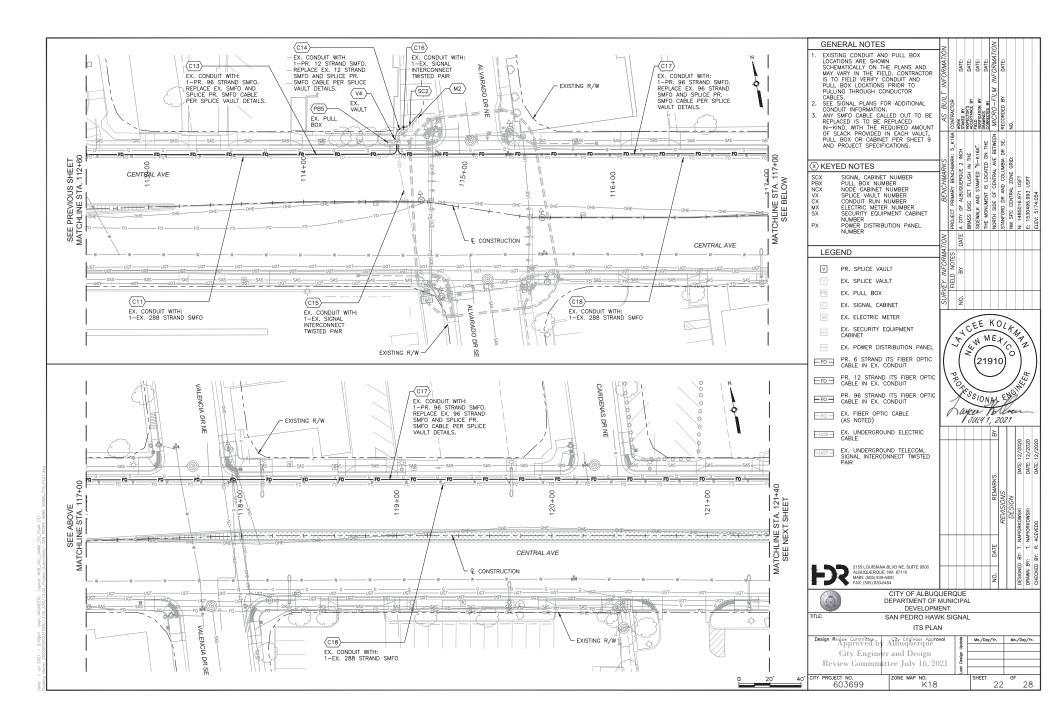


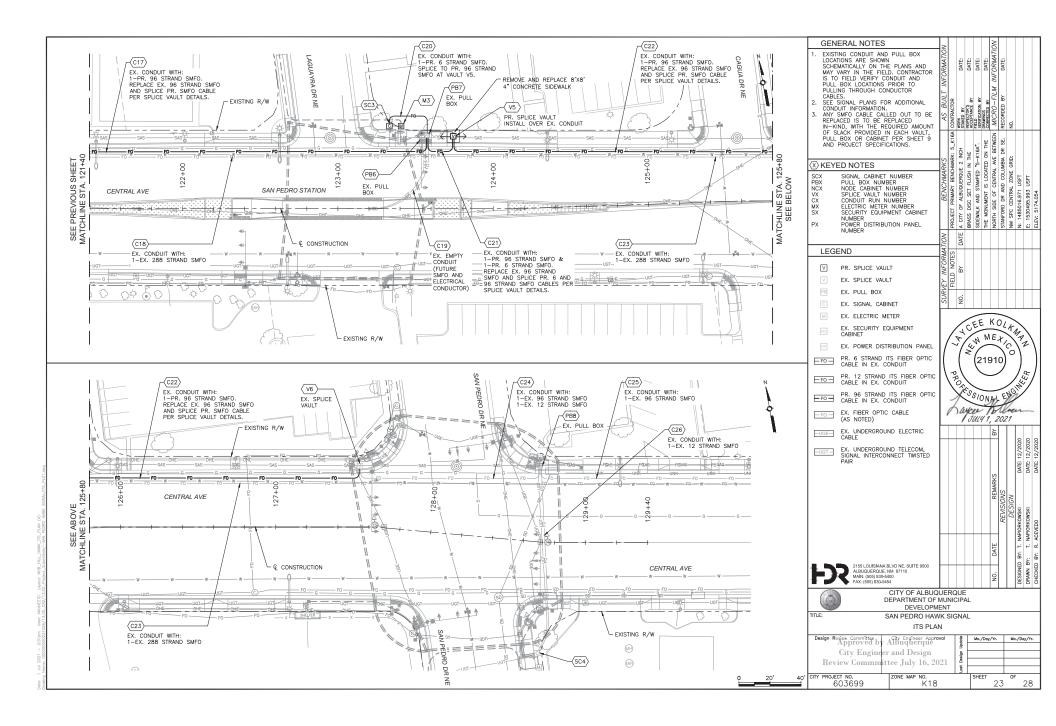












- SERVICE PEDESTAL SUPPLIED FOR THIS PROJECT SHALL BE TESCO TYPE B AS PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
- ALL INDICATIONS OF ALL VEHICLE SIGNAL ASSEMBLIES AND ALL PEDESTRIAN SIGNAL INDICATORS SHALL BET INTED LED SIGNALS OF A TYPE AND MANUFACTURER APPROVED BY THE CITY OF ALBUQUEROUE.
- 3. ALL PEDESTRIAN PUSH BUTTONS SHALL BE BULLDOG TYPE.
- ALL SIGNAL ASSEMBLIES, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, AND FITTINGS SHALL COMPLY WITH THE CITY OF ALBUQUERQUE TYPE AND COLOR (BLACK) FINISH REQUIREMENTS.
- 5. SIGNAL POLES AND MASTARMS ARE TO MEET NMDOT 2019 SPECIFICATIONS.
- 6. CCTV CAMERA SHALL BE AXIS Q6034-E. SEE SPECIFICATION 428.210 FOR DETAILS.

TRAFFIC SIGNAL INCIDENTAL ITEMS *

- 1. CABLE TESTING AND DIAGRAMS.
- DESIGN, MATERIALS, INSTALLATION AND REMOVAL OF SAFETY BARRIER FOR SHIELDING EQUIPMENT OR MATERIAL.
- 3. APPRISING PUBLIC THROUGH THE LOCAL NEWS MEDIA.
- 4. HAULING OF ANY MATERIAL TO BE DISPOSED TO CITY LANDFILL.
- 5. OFF-DUTY POLICE OFFICE FOR TRAFFIC CONTROL.
- 6. CAMERA MOUNTING HEIGHT ADJUSTMENT ARM.
- 7. COST FOR PNM TO PROVIDE ELECTRICAL SERVICE.
- ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

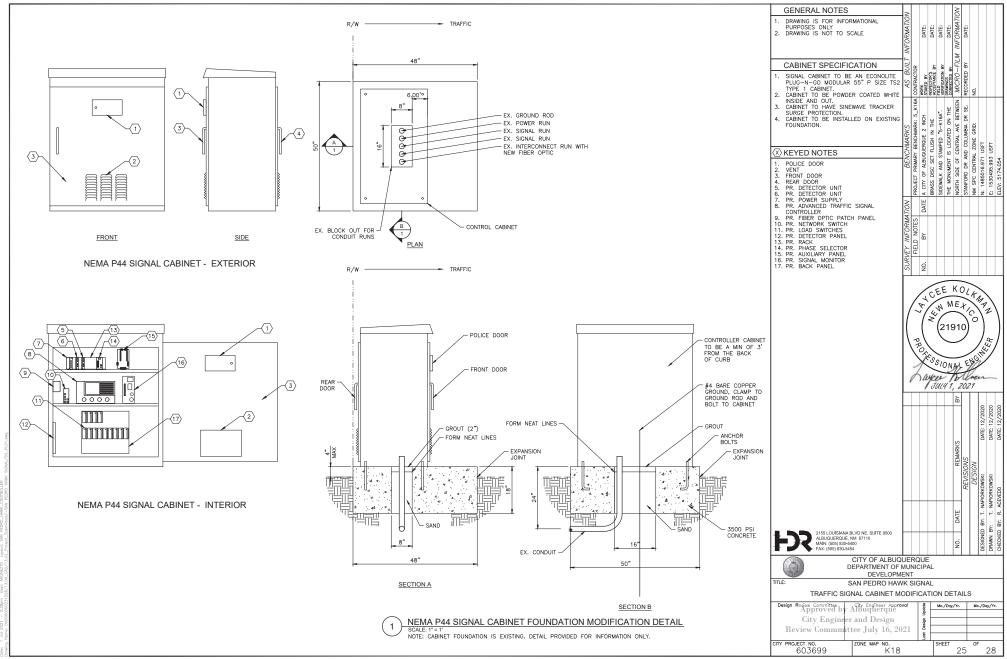
ITEM#	ITEM DESCRIPTION	UNIT	QUANTITY
421.012	METER PEDESTAL (SIGNAL AND LIGHTING), CIP.	EA	1
421.018	SERVICE CONNECTION (SIGNAL AND LIGHTING), CIP.	EA	1
** 422.002	TRAFFIC SIGNAL PEDESTAL POLE, 10'	EA	2
** 707335	TYPE III STANDARD, 35' ARM	EA	2
426.001	SINGLE CONDUCTOR CABLE, #2, CIP.	LF	645
426.003	SINGLE CONDUCTOR CABLE, #6, CIP.	LF	1090
426.010	MULTI-CONDUCTOR CABLE, #5, CIP.	LF	921
426.014	MULTI-CONDUCTOR CABLE, #20, CIP.	LF	955
426.016	SHIELDED TWISTED PAIR CABLE, CIP.	LF	24
426.055	CATSE CABLE	LF	100
* 427.002	3 SECTION TRAFFIC SIGNAL ASSEMBLY (HAWK ARRANGEMENT), CIP.	EA	8
427.023	PEDESTRIAN SIGNAL, LED, COUNTDOWN, CIP.	EA	4
* 427.031	3 SECTION BACKPLATE (HAWK ARRANGEMENT), CIP.	EA	8
428.015	ACCESSIBLE PUSH BUTTON STATION, CIP.	EA	4
428.210	CIRCUIT TELEVISION (CCTV) (FIX DOME) CAMERA, CIP.	EA	1
429.001	TRAFFIC ACTUATED CONTROLLER, CIP.	EA	1
429.021	8 PHASE DUAL RING CONTROLLER CABINET, CIP.	EA	1
435 702	MANAGED FIELD ETHERNET SWITCH	FA	1
435.702	MANAGED FIELD ETHERNET SWITCH.	I EA	1 '

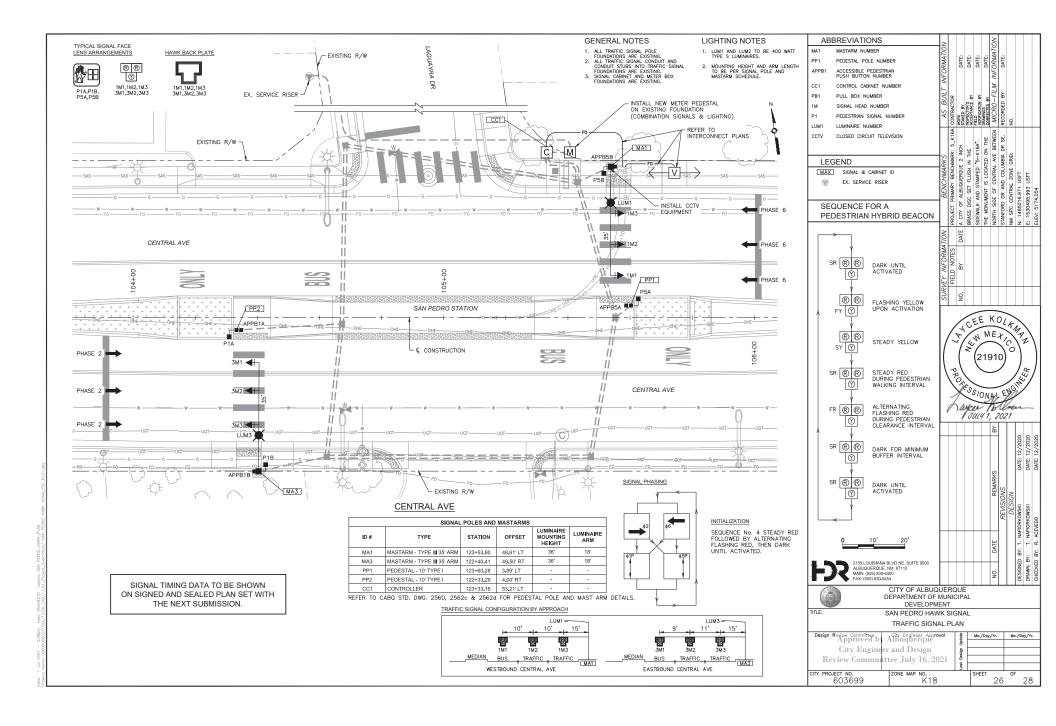
- * ONLY 6 EACH OF ITEMS 427.002 (3 SECTION TRAFFIC SIGNAL ASSEMBLY) AND 427.031 (3 SECTION BACKPLATE) ARE REQUIRED ON-SITE FOR INSTALLATION. THE ADDITIONAL 2 OF EACH ITEM SHALL BE DELIVERED TO THE CITY OF ALBUQUERQUE PINO YARD BEFORE COMPLETION OF THE PROJECT
- ** BID ITEMS TO MEET NMDOT 2019 SPECIFICATIONS

LIGHTING QUANTITIES (ESTIMATED)								
ITEM#	ITEM DESCRIPTION	UNIT	QUANTITY					
426.001	SINGLE CONDUCTOR CABLE, #2, CIP.	LF	550					
426.005	SINGLE CONDUCTOR CABLE, #10, CIP.	LF	680					
432.002	ROADWAY LUMINAIRE, TYPE 400S, CIP.	EA	2					

CABLE SLACK ASSUMPTIONS: ADDED 5' OF CONDUCTOR CABLE QUANTITY TO EACH CONDUIT RUN. CON INALITICAL
WORKED BY
WORKED BY
WORKED BY
WESTEROATION BY
CORRECTED BY
MICRO-FIL CEE KOLT MEXICO (21910 SSIONAL ENC July 1, 2021 2155 LOUISIANA BLVD NE, SUITE 9500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454 CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT SAN PEDRO HAWK SIGNAL TRAFFIC SINGAL SUMMARY OF QUANTITIES Design Review Committee by Albuquerque Approved Mo./Day/Yr. City Engineer and Design Review Commmittee July 16, 2021 CITY PROJECT NO. 603699 24

GENERAL NOTES





CONDUCTORS FROM BASE OF POLES TO EQUIPMENTS ON MAST ARMS							
	CONDUCTOR	TYPE/LENGTH (FT))				
POLE	MCC 5	SHIELDED TWISTED PAIR	LUMINAIRE**				
MA1	3	1	1				
MA3	3	1	1				
PP1	1	1					
PP2	1	1					
TOTAL (FT)	391	24	108				

** IN-POLE CONDUCTORS FEEDING SIGNAL LUMINAIRE, 2-SCC#10

SCHEDULE NOTES:

EXPLANATION OF POWER, HOME-RUN, RING, BRANCH, IISNS, LUMINAIRE, LOOP, AND PREEMPTION CABLE IS AS FOLLOWS:

POWER: RISER TO METER HAS 3-SCC#2 AWG (STANDARD PNM WIRING), METER TO CC

(STANDARD PNM WIRING), METER TO C HAS 3-SCC#6

HOME-RUN: 1-MCC5. 2-MCC20. AND 2-SCC#6

HOME-RUN: 1-MCC5, 2-MCC20, AND 2-SCC#6 WHITE & GREEN AND 2-SCC#6

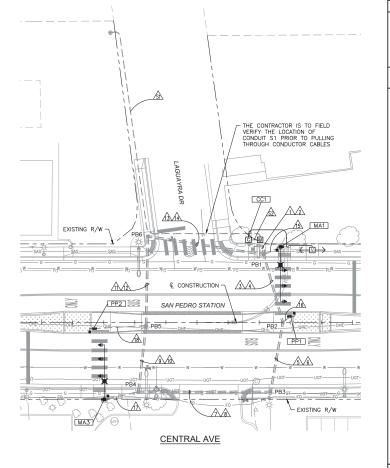
WHITE & GREEN

BRANCH: 1-MCC5, 1-MCC20, AND 2-SCC#

BRANCH: 1-MCC5, 1-MCC20, AND 2-SCC#6
WHITE & GREEN

LIGHTING 2-SCC#10 AND 2-SCC#2 WHITE & GREEN

CCTV CABLE TRACE										
CCTV DETECTOR	FROM	то	LENGTH (FT) (A)	FROM	то	CONDUIT TRACE	LENGTH (FT) (B)	LENGTH (FT) (A+B)		
CCTV	MA1	POLE BASE	36	POLE BASE	CC1	15-1	45	81		
TOTAL LENGTH (FT)								81		

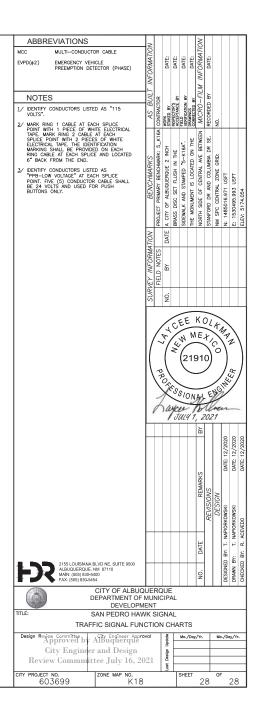


ABBREVIATIONS MASTARM NUMBER PEDESTAL POLE NUMBER CC1 CONTROL CABINET NUMBER PB1 PULL BOX NUMBER SINGLE CONDUCTOR CABLE WORK
WORK
WORK
WORK
WORK
WERE
WEEDINGE BY
FIED
WEEDINGE BY
MICRO-FIL MCC MULTI-CONDUCTOR CABLE LEGEND MAX SIGNAL & CABINET ID FORM FROM FROM THE BRASS DISC SET FLUSH IN THE SIDEMALK AND STANDED "S-K1GA" THE MONUMENT IS LOCATED ON THE WORMENT IS LOCATED ON THE STANDED CONDUIT RUN ID (SIGNALS) CONDUIT RUN ID (POWER SERVICE) EX. SERVICE RISER CONDUIT ROUTING AND PULL BOX NOTES EXISTING CONDUIT AND PULL BOX LOCATIONS ARE SHOWN SCHEMATICALLY ON THE PLANS AND MAY ARRY IN THE FIELD. CONTRACTOR IS TO FIELD VERIFY CONDUIT AND PULL BOX LOCATIONS PRIOR TO PULLING THROUGH CONDUCTOR CABLES. CEE KOLT WEXICO (21910 SSIONAL EX JULY 1, 2021 DATE 2155 LOUISIANA BLVD NE, SUITE 9500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454 CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT SAN PEDRO HAWK SIGNAL TRAFFIC SIGNAL CABLE AND CONDUIT SCHEDULES Albuquerque Mo./Day/Yr. Mo./Day/Yr. City Engineer and Design Review Commmittee July 16, 2021 ZONE MAP NO. 603699 K18 27

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	FUNC	TION CHART - 115 VOLT	CIRCUIT 1/
CONDU	CTOR	RING 1-MCC20 2/	RING 2-MCC20 2/
BASE COLOR	TRACER	FILED CONNECTION	FILED CONNECTION
BLACK	-	SPARE	SPARE
WHITE	-	SPARE	SPARE
RED	-	PHASE 1 RED	PHASE 5 RED
GREEN	-	SPARE	SPARE
ORANGE	-	PHASE 2 YELLOW	PHASE 6 YELLOW
BLUE	-	SPARE	SPARE
WHITE	BLACK	SPARE	SPARE
RED	BLACK	PHASE 2 RED	PHASE 6 RED
GREEN	BLACK	SPARE	SPARE
ORANGE	BLACK	SPARE	SPARE
BLUE	BLACK	SPARE	SPARE
BLACK	WHITE	PHASE 4 DON'T WALK	PHASE 8 DON'T WALK
RED	WHITE	SPARE	SPARE
GREEN	WHITE	SPARE	SPARE
BLUE	WHITE	SPARE	SPARE
BLACK	RED	SPARE	SPARE
WHITE	RED	SPARE	SPARE
ORANGE	RED	SPARE	SPARE
BLUE	RED	PHASE 4 WALK	PHASE 8 WALK
RED	GREEN	SPARE	SPARE

		-					
FUNCTION CHART - 24 VOLT CIRCUIT							
SHIELDED TWISTED PAIR - PUSH BUTTONS							
BASE COLOR	FIELD CONNECTION						
BLACK	SPARE						
WHITE	COMMON						
RED	PHASE 1 PEDESTRIAN						
GREEN	SPARE	_					
ORANGE	PHASE 5 PEDESTRIAN	_					



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