

PROPOSED	EXISTING	DESCRIPTION
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		TELEPHONE MANHOLE
		MANHOLE
		SANITARY SEWER LINE w/SIZE & TYPE
		STORM DRAIN LINE w/SIZE & TYPE
		WATER LINE w/SIZE & TYPE
		OVERHEAD ELECTRICAL LINE
		ELECTRICAL RISER
		UNDERGROUND ELECTRICAL
		UNDERGROUND TELEPHONE
		OVERHEAD TELEPHONE
		GAS LINE w/SIZE & TYPE
		CABLE TELEVISION LINE
		ENCASEMENT
		STORM INLET (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		WATER VALVE
		BUTTERFLY VALVE
		FIRE HYDRANT
		REDUCER
		SAS SERVICE CONNECTION
		WATER SERVICE CONNECTION
		TEES
		CROSSES
		BENDS
		CAPS & PLUGS
		WATER METER
		GAS METER
		GAS RISER
		VALVE BOX
		POWER POLE
		TRAFFIC SIGNAL
		TRAFFIC CONTROL BOX
		PULL BOX
		TELEPHONE RISER
		TELEPHONE BOOTH
		FIRE ALARM BOX
		CURB & GUTTER
		SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
		FIELD FENCE
		RIGHT OF WAY LINES
		PROPERTY LINES(SIDE)
		PUBLIC EASEMENT
		DRIVEWAY
		MOBILITY IMPAIRED ACCESS RAMP
		C.O.A. PROJECT CONTROL POINT OR A.C.S. MONUMENT DO NOT DISTURB
		TEST BORING
		HORIZ. & VERT. CONTROL

GENERAL NOTES:

1. 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.
2. IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE CURRENT "DROP-OFF GUIDELINE".
3. NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE.
4. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION SERVICES DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION SERVICES DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER PRIOR TO OCCUPYING AN INTERSECTION.
5. 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, 1986 EDITION THROUGH UPDATE NO.9 OR AS MODIFIED BY THE PROJECT SPECIFICATIONS, AS STATED IN THE SPECIAL PROVISIONS.
6. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
7. ALL NEW STREET PAVING, CURB AND GUTTER, SIDEWALKS OR DRIVEPADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
8. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW ADDITIONAL CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.
9. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
10. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, EXISTING SIGNAGE, CURB AND GUTTER, OR SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUERQUE STANDARDS AT HIS OWN EXPENSE.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT HIS OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.
12. ALL WORK IMPACTING AN ARTERIAL ROADWAY MAY REQUIRE 24-HOUR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY.
13. 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.
14. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
15. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS, AS SHOWN ON SHEET 5 AND PRIOR TO INITIATING CONSTRUCTION. IF DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MONUMENT, THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR. THE MONUMENT SHALL ONLY BE REPLACED BY THE CITY SURVEY SECTION AT THE CONTRACTOR'S EXPENSE.
16. ALL TRENCH EXCAVATION BACKFILL WITHIN THE ROADWAY PRISM SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR PER ASTM D-698 OR D-1557 AS APPLICABLE.
17. ANY EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 0205.01 - FILL, BORROW, HAUL AND COMPACTION OF SUITABLE MATERIAL NOT OBTAINED IN THE PROJECT SITE AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR 0202.01 - EXCAVATE AND DISPOSE OF UNSUITABLE MATERIAL.
19. BID ITEMS 0343.030- EXISTING PAVEMENT, ASPHALT CONCRETE, 24" DEPTH, SAWCUT, REMOVE AND DISPOSE COMPLETE, ARE INCLUDED FOR PAVEMENT REMOVALS IN AREAS WHERE THE ROADWAY WILL NOT BE IMMEDIATELY ADJUSTED TO NEW GRADES AS SHOWN IN THE PLANS.
20. THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 10 FEET MINIMUM FROM THE EDGE OF DRIVING LANE. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

GENERAL NOTES, CONTINUED:

21. THROUGHOUT THE LIFE OF THIS PROJECT, THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF CONSTRUCTION ACTIVITIES WHICH WILL IMPEDE OR DISRUPT THE NORMAL FLOW OF TRAFFIC.
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 THROUGHOUT THE PROJECT LIFE AND WILL BE REVISED AT THE DIRECTION OF 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. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
24. THE CONTRACTOR SHALL COORDINATE WITH WATER UTILITY AUTHORITY (857-8200) SEVEN(7) WORKING DAYS PRIOR TO ANY WORK WHICH MAY AFFECT THE EXISTING ABCWUA PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING ABCWUA VALVES TO BE OPERATED BY ABCWUA PERSONNEL ONLY. REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.
25. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
26. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH ITEMS.
27. TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE APPROVED MIX DESIGN.
28. PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. THE ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPED UNLESS TEMPORARY MARKINGS ARE PLACED BY THE CONTRACTOR PRIOR TO OPENING THE ROADWAY. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
29. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ANY AND ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
30. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS, SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AND THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL FINAL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO FINAL PLACEMENT OF MATERIALS OR STRUCTURES. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER OF ALL VERIFICATIONS SO THAT IF A CONFLICT EXISTS IT CAN BE REMEDIED WITHOUT DELAY.
31. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
32. REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
33. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.

AS BUILT INFORMATION

CONTRACTOR: _____

DATE: _____

PROJECT BENCHMARKS ARE CP 101.

BENCH MARKS

CITY OF ALBUQUERQUE "4-110" AND "13-111" ELEVATIONS ARE _____

RESPECTIVELY. ELEVATIONS ARE _____

ADJUSTED BASED ON COA _____

BENCHMARKS (NAD 83) _____

RECORDED BY: _____

DATE: _____

SURVEY INFORMATION

ENGINEER'S SEAL

NO. _____

BY _____

DATE _____

FIELD NOTES

REVISIONS

NO. _____

DATE _____

REMARKS _____

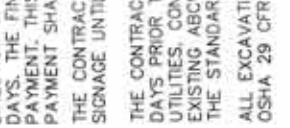
BY _____

DESIGNED BY: TJY

DATE: 8/2016

CHECKED BY: CJH

DATE: 8/2016



Know what's below.
Call before you dig.

CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

ENGINEERING DIVISION

TITLE: UNSER BLVD & WESTERN TRAIL MEDIAN IMPROVEMENTS PROJECT

LEGEND & GENERAL NOTES

DESIGN REVIEW COMMITTEE

SEP 27 2016

CITY ENGINEER

DESIGN REVIEW COMMITTEE

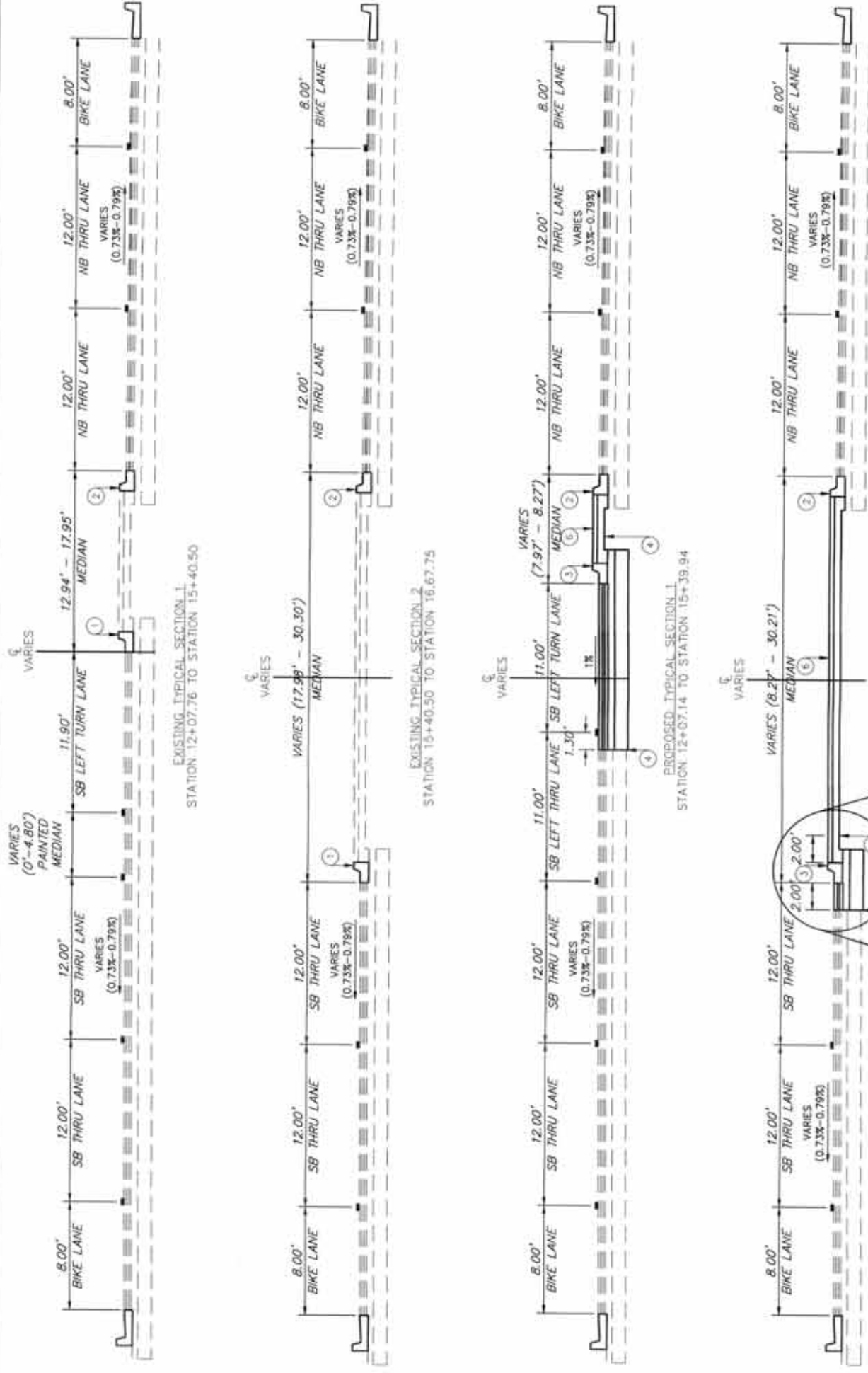
SEP 27 2016

CITY ENGINEER

2. CONTRACTOR SHALL CONTACT THE STATEWIDE UTILITY LOCATOR SERVICE AT 800-321-2537/760-1890 AT LEAST TWO WORKING DAYS BEFORE BEGINNING CONSTRUCTION. AFTER THE UTILITIES ARE SPOTTED, THE CONTRACTOR SHALL EXPOSE ALL PERTINENT UTILITIES TO VERIFY THEIR VERTICAL AND HORIZONTAL LOCATION. IF A CONFLICT EXISTS BETWEEN EXISTING UTILITIES AND PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMAL DELAY.
3. CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES, ABOVE OR BELOW GROUND. UTILITIES THAT ARE DAMAGED BY CARELESS CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO PREVENT DISRUPTION TO SERVICE. SEE SECTION 18 "UTILITIES" COA STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.
4. ALL UTILITY LINES NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, SHALL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS SHALL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES AS NECESSARY.
5. CONTRACTOR SHALL PROVIDE A UTILITY SUPPORT DESIGN FOR ALL LARGE AND/OR CRITICAL SERVICES (E.G. COMMUNICATIONS AND ELECTRIC DUCT BANKS, EXPOSED GRAVITY LINE JOINTS, PRESSURIZED WATER LINES, SEWER FORCE MAINS, ETC.) SUPPORT FOR THESE CRITICAL SERVICES SHALL BE DESIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED TO OWNER FOR APPROVAL. THE DESIGN AND INSTALLATION OF BOTH CRITICAL AND NON CRITICAL SUPPORTS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE. ANY DAMAGE TO EXISTING UTILITIES SHALL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.
6. CONTRACTOR SHALL COORDINATE WITH PERTINENT UTILITY COMPANIES OF ALL EXISTING UTILITY LINES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR SHALL RESCHEDULE HIS ACTIVITIES AS NECESSARY TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES AT NO ADDITIONAL COST TO THE OWNER. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
8. ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
9. CONTRACTOR SHALL COORDINATE ANY REQUIRED UTILITY INTERRUPTIONS WITH THE AFFECTED UTILITY COMPANY A MINIMUM OF THREE WORKING DAYS BEFORE THE INTERRUPTION.
10. EXISTING VALVES SHALL ONLY BE OPERATED BY THE APPROPRIATE UTILITY COMPANY. CONTRACTOR SHALL NOTIFY THE UTILITY A MINIMUM OF SEVEN (7) WORKING DAYS BEFORE ANY VALVE, NEW OR EXISTING, NEEDS TO BE OPERATED.
11. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, SIGNAGE, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
12. ALL EXCAVATION STANDARD SPECIFICATIONS WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
13. ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED SHALL BE REMOVED FROM THE PROJECT AREA WITHIN FOUR (4) DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE PROJECT MANAGER.

LUNA, DAMIAN	OFFICE PHONE: (505) 289-3031 OFFICE FAX: (505) 289-3060 E-MAIL: dluna@abcwua.org	WATER AUTHORITY SENIOR ENGINEER PO BOX 568 ALBUQUERQUE, NM 87103
BUDD, CHRIS	OFFICE PHONE: (505) 241-3698 CELL PHONE: (505) 401-7482 OFFICE FAX: (505) 241-3415	PNM ELECTRIC CO. MS ES61 4625 EDITH BLVD., NE ALBUQUERQUE, NM 87107
MORTUS, MIKE	OFFICE PHONE: (505) 761-6252 FAX: (505) 761-0599 E-MAIL: Mike.Mortus@cable.comcast.com	COMCAST PLANNING & DESIGN SUPERVISOR 4611 MONTBEL PL, NE ALBUQUERQUE, NM 87107
DUNLOP, JOE	OFFICE PHONE: (505) 697-3156 E-MAIL: joe.dunlop@pnm.com	NEW MEXICO GAS MS-C586 4625 EDITH BLVD., NE ALBUQUERQUE, NM 87107
HARRISON, ROYAL	OFFICE PHONE: (505) 938-7339 OFFICE FAX: (505) 938-7380 E-MAIL: Royal.Harrison@twelacomm.com	TIME WARNER TELECOM PLANT MANAGER 3830 SINGER BLVD., NE SUITE 1000 ALBUQUERQUE, NM 87109
JARAMILLO, RITA	OFFICE PHONE: (505) 245-8352 OFFICE FAX: (505) 245-6733 CELL PHONE: (505) 385-4472 E-MAIL: rjaramil@quest.com	QUEST MANAGER - ENGINEERING 400 TIERRA NW, ROOM 710 ALBUQUERQUE, NM 87102
BROWN, JOHN	OFFICE PHONE: (505) 450-2338 OFFICE FAX: (505) 314-0890 E-MAIL: john@cgassets.com	BCG ASSETS 505 MARQUETTE NW, SUITE LL-110A ALBUQUERQUE, NM 87102
STOCKTON, DAVID	OFFICE PHONE: (303) 620-2254 CELL PHONE: (720) 219-8746	AT&T AREA MANAGER - CNFO 3910 JACINTO ST, ROOM 4 DALLAS, TX 75024
WAGENER, KURT	OFFICE PHONE: (505) 884-2215 CELL PHONE: (505) 362-1272 E-MAIL: KWagener@AMAFCA.org	AMAFCA

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MEDIAN CURB AND GUTTER SUBGRADE PREP DETAIL

NTS

KEYED NOTES	
①	EXISTING MEDIAN CURB & GUTTER TO BE REMOVED AND DISPOSED
②	EXISTING MEDIAN CURB & GUTTER TO REMAIN
③	PROPOSED MEDIAN CURB & GUTTER PER COA STD. DWG. 2415B
④	SAWCUT EXISTING PAVEMENT TO A NEAT STRAIGHT LINE
⑤	SEE PROPOSED ARTERIAL PAVEMENT STRUCTURE SECTION ON THIS SHEET FOR DETAILS
⑥	PROPOSED MEDIAN TEXTURED PAVEMENT, 4" THICK TO MATCH EXISTING MEDIAN PAVEMENT PER COA STD. DWG. 2410B

KEYED NOTES ① EXISTING MEDIAN CURB & GUTTER TO BE REMOVED AND DISPOSED ② EXISTING MEDIAN CURB & GUTTER TO REMAIN ③ PROPOSED MEDIAN CURB & GUTTER PER COA STD. DWG. 2415B ④ SAWCUT EXISTING PAVEMENT TO A NEAT STRAIGHT LINE ⑤ SEE PROPOSED ARTERIAL PAVEMENT STRUCTURE SECTION ON THIS SHEET FOR DETAILS ⑥ PROPOSED MEDIAN TEXTURED PAVEMENT, 4" THICK TO MATCH EXISTING MEDIAN PAVEMENT PER COA STD. DWG. 240B	ENGINEER'S SEAL 	AS BUILT INFORMATION PROJECT BENCHMARKS ARE CP 101. CONSTRUCTION MARK DATE BY DATE CITY OF ALBUQUERQUE "4-F10" AND "13-F11", ELEVATIONS ARE RESPECTIVELY, ELEVATIONS ARE ADJUSTED BASED ON COA BENCHMARKS (NAD 83). RECORDED BY DATE																		
FIELD NOTES SURVEY INFORMATION	ENGINEER'S SEAL	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> DESIGNED BY: TJY DATE: 8/2016 DRAWN BY: EJM DATE: 8/2016 CHECKED BY: EJM DATE: 8/2016 SOUDER, MILLER & ASSOCIATES	NO.	DATE	REMARKS															
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CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION																				
TITLE: UNSER BOULEVARD AND WESTERN TRAIL MEDIAN IMPROVEMENT PROJECT TYPICAL SECTIONS																				
DESIGN REVIEW COMMITTEE SEP 27 2016 DESIGN REVIEW COMMITTEE																				
CITY ENGINEER'S APPROVAL SEP 27 2016 CITY ENGINEER'S																				
LAST DESIGN UPDATE SEP 27 2016 CITY ENGINEER'S																				
Zone Map No. F10 Sheet 6 of 24																				

File: Sep 18, 2016 - 11:05am; Lay: Layout: 6; Project: 32070NS
Drawing Name: P-17-CDA 2015 DCAI Formulation and Stone Strategy [74.21758] \\fr-jhuve-western\red-median-design\cadd\paul-friss\mawort\lga2016



LINE # / CURVE #	PARCEL LINE AND CURVE TABLE										
	PC			PT			PRC				
	STATION	OFFSET	FLOWLINE	STATION	FLOWLINE	STATION	OFFSET	FLOWLINE	LENGTH (FT)	RADIUS (FT)	DELTA
C1	12+09.33	11.75 RT.	5120.63	12+09.94	5120.63	-	-	-	5.66	2.00	-
L1	-	-	-	-	-	-	-	-	330.00	-	-
C2	15+39.94	7.86 RT.	5118.74	-	-	15+98.33	3.14 RT.	5118.43	57.80	150.00	N66° 20' 09" E
L2	-	-	-	16+52.71	5118.14	15+98.33	3.14 RT.	5118.43	57.80	150.00	-
C3	16+67.71	1.93	5118.05	-	-	-	-	-	15.00	-	N67° 08' 19" E

ITEM	QTY	DESCRIPTION	UNIT	USE
		AGGREGATE BASE COURSE, 6" AT 95% PLACED AND CONSOLIDATED, SD 2407 & 2408	SY	140
302.010		CURB AND GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, INCL SUBGRADE COMPACTION, CIP, SD 2408 & 2415B	LF	480
340.080		TEXTURED PAVEMENT, 4" THICK COLORED PORTLAND CEMENT CONCRETE, INCL SUBGRADE COMPACTION, CIP	SY	440

ENGINEER'S SEAL		SURVEY INFORMATION		FIELD NOTES		PROJECT BENCHMARKS ARE CP 101, BENCH MARKS		AS BUILT INFORMATION	
DAVID H. WILCOX MEXICO 13703 PROFESSIONAL ENGINEER LICENSE NO. 40522		NO. BY DATE		DATE		CITY OF ALBUQUERQUE "4-F10" AND "3-F11", ELEVATIONS ARE		REVISIONS	
5119.264', 5120.129', AND 5138.121'		RESPECTIVELY, ELEVATIONS ARE		ADJUSTED BASED ON COA		BENCHMARKS (NAD 83).		MICRO-FILM INFORMATION	
CORRECTED BY		DATE		DATE		DATE		DATE	
DESIGNED BY: TJY		DATE: 8/2016		DRAWN BY: TJY		CHECKED BY: EJM		DATE: 8/206	
SOUDEK, MILLER & ASSOCIATES		REVISIONS		REMARKS		NO. DATE		BY	
ERQUE DEVELOPMENT SIDN		ERN TRAIL MEDIAN		JECT ETRIC DETAILS		Sheet		8 24	

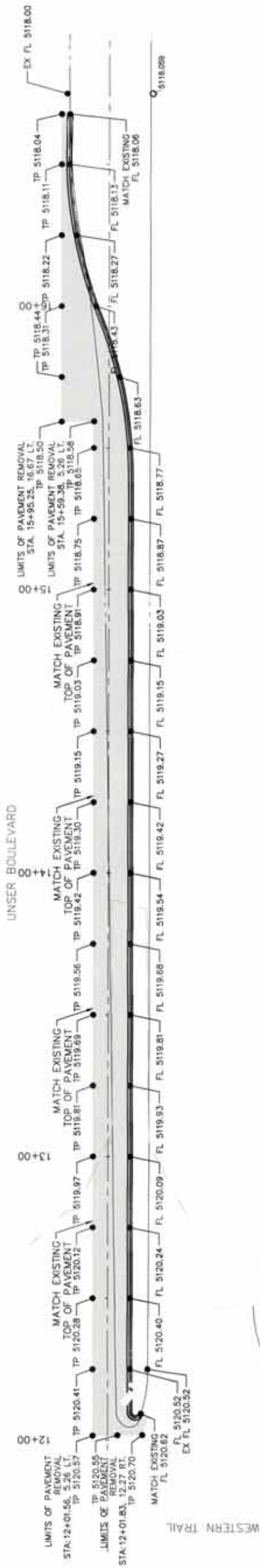
Design Review Committee APPROVED SEP 27 2016 DESIGN REVIEW COMMITTEE	City Engineer: Approval SEP 27 2016 CITY ENGINEER
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City Project No.	9044.08	Zone Map No.	F10
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NOTES

- 1. ALL MEDIAN CURB SHALL BE PER COA STD. DWG 2415B.
- 2. SEE PROPOSED ARTERIAL PAVEMENT STRUCTURE SECTION ON SHEET 6 FOR ASPHALT PAVEMENT DETAILS
- 3. ALL GEOMETRY INFORMATION IS FLOWLINE OF MEDIAN CURB.



PAVING DETAILS QUANTITIES			
ITEM ID NO.	ITEM DESCRIPTION	UNIT	USE
118.02b	PLACEMENT ARTERIAL ASPHALT CONCRETE 2" THICK, WITH MACHINE LAYDOWN, FOR QUANTITIES GREATER THAN 200 SY, CIP.	SY	1860
301.02	SUBGRADE PREP 12" AT 95% COMPACTION, INCLUDING FINAL DRAINING LESS THAN 0.2" CIP.	SY	620
302.01	AGGREGATE BASE COURSE, CRUSHED, 6" AT 95% PLAGE AND COMPACT, CIP, SD 2407 & 2408	SY	620
336.01	PRIME COAT, EMULSIFIED ASPHALT	SY	620
336.12	TACK COAT, CATIONIC, EMULSIFIED ASPHALT, CIP.	SY	1240



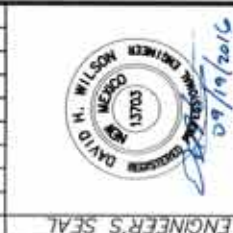
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD AND WESTERN TRAIL MEDIAN
IMPROVEMENT PROJECT
PAVING DETAILS

Design Review Committee	City Engineer Approval
SEP 27 2016	SEP 27 2016
CITY ENGINEER	CITY ENGINEER

City Project No. 9044.08
Zone Map No. F10
Sheet 9 of 24

SURVEY INFORMATION	
NO.	BY
DATE	DATE
FIELD NOTES	
PROJECT BENCHMARKS ARE CP 101.	
BENCH MARKS	
ADJUSTED BASED ON COA	
RESPECTIVELY, ELEVATIONS ARE	
5119.264', 5120.129', AND 5138.121'	
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MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	



REVISIONS	
NO.	DATE
BY	DATE
REMARKS	
DESIGNED BY: TJV	
DATE: 8/2016	
DRAWN BY: TJV	
DATE: 8/2016	
CHECKED BY: EJM	
DATE: 8/2016	

TRAFFIC SIGNAL & LIGHTING LEGEND

TRAFFIC SIGNAL & LIGHTING LEGEND

NEW	EXISTING	ITEM
		PULL BOX (SIGNAL)
		PULL BOX (INTERCONNECT)
		SERVICE POLE WITH RISER (SIGNAL)
		METER PEDESTAL
		CONTROLLER CABINET
		LIGHTING CONTROL CABINET
		JUNCTION BOX
		SPLICE CABINET
		CONDUIT RUN (SIGNALS)
		CONDUIT RUN (INTERCONNECT)
		TRAFFIC SIGNAL PEDESTAL POLE
		TYPE II STANDARD WITH MASTARM, TRAFFIC SIGNAL BACKPLATE, AND OPTICAL DETECTOR
		TYPE III STANDARD WITH MASTARM, TRAFFIC SIGNAL BACKPLATE, OPTICAL DETECTOR, LUNIMAIRE, AND CAMERA
		PEDESTRIAN PUSH BUTTON (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		PEDESTRIAN SIGNAL (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		TRAFFIC MANHOLE
		VIDEO CAMERA

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STATEWIDE
UNDERGROUND
UTILITY LOCATING
SERVICES
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365-1990

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FAX 505/338-0969

**LEE
ENGINEERING**

LEE
ENGINEERING

85220 SAN PEDRO DRIVE NE
SUITE 150
ALBUQUERQUE, NM 87113
505/338-0988
FAX 505/338-0989



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD AND WESTERN TRAIL N
IMPROVEMENT PROJECT
SIGNAL - GENERAL NOTES AND LEGEND

Design Review Committee	City Engineer Approval	Last Design Update	Sheet
APPROVED SEP 27 2016 SOMERSET COMMITTEE	SEP 27 2016 CITY ENGINEER		F-10
Project No. 9044.08	Zone Map No.		

City Project No.	9044.08	Zone Map No.	F-10	Sheet	1
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CONDUIT AND CONDUCTOR REQUIREMENTS														
CONDUIT LENGTH, SIZE, AND TYPE				CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE										
RUN ID	NEW SIZE/LENGTH*			TYPE	REMARKS	MCC5 (# @ FT)	MCC7 (# @ FT)	MCC20 (# @ FT)	SCC #2 (# @ FT)	DLIC (SEE NOTE 1) (# @ FT)	96 SMFO (# @ FT)	CC #12 (# @ FT)	OPTICOM (# @ FT)	OTHER (# @ FT)
#	2"	3"	4"											
1	Exist.			REC	METER TO XEPB1									
2	Exist.			REC	XEPB1 TO XCC1									
3		Exist.		REC	XPB1 TO XCC1	EXIST.		EXIST.	EXIST.	EXISTING + 2 @ 20		EXIST.		
4		Exist.		REC	XPB1 TO XCC1	EXIST.		EXIST.	EXIST.	EXISTING + 2 @ 70				
5		Exist.		REC	XPB1 TO XPB4	EXIST.		EXIST.	EXIST.	EXISTING + 2 @ 75				
6		Exist.		REC	XPB4 TO XPB5	EXIST.		EXIST.	EXIST.	EXISTING + 2 @ 75				
7		Exist.		REC	XPB5 TO PB9	EXIST.		EXIST.	EXIST.	EXIST.				
8		Exist.		REC	PB 9 TO XPB 11	EXIST.		EXIST.	EXIST.	EXIST.				
9		Exist.		REC	XPB11 TO XPB12	EXIST.		EXIST.	EXIST.	EXIST.				
10		Exist.		REC	XPB12 TO XPB14	EXIST.		EXIST.	EXIST.	EXIST.				
11		Exist.		REC	XPB14 TO XPB17	EXIST.		EXIST.	EXIST.	EXIST.				
12		Exist.		REC	XPB17 TO XPB1	EXIST.		EXIST.	EXIST.	EXIST.				
13		Exist.		REC	XPB1 TO XMA1	EXIST.		EXIST.	EXIST.	EXIST.				
14		Exist.		REC	XPB1 XPP1	EXIST.			EXIST.	EXIST.				
15		Exist.		REC	XPB1 TO XPB2					EXIST.				
16		Exist.		REC	XPB4 TO XPP2	EXIST.			EXIST.	EXIST.				
17		Exist.		REC	XPB4 TO XPB3									
18		Exist.		REC	XPB5 TO XMA2	EXIST. + 1 @ 25	1 @ 25		EXIST.	EXIST.				
19		10		REC	PB9 TO PP4	2 @ 15			1 @ 15	2 @ 15				
20		10		REC	PB9 TO PB10									
21		Exist.		REC	XPB11 TO XMA3	EXIST.			EXIST.	EXIST.				
22		Exist.		REC	XPB11 TO XPP5	EXIST.			EXIST.	EXIST.				
23		Exist.		REC	XPB12 TO XPP6	EXIST.			EXIST.	EXIST.				
24		Exist.		REC	XPB12 TO XPB13					EXIST.				
25		Exist.		REC	XPB14 TO XMA4	EXIST. + 1 @ 25			EXIST.	EXIST.				
26		Exist.		REC	XPB14 TO XPB15					EXIST.				
27		Exist.		REC	XPB15 TO XPB16					EXIST.				
28		Exist.		REC	XPB17 TO PF7									
29		Exist.		REC	XPB17 TO XPB18	1 @ 20			1 @ 20	EXIST.				
X1***		Exist.		REC	XPB8 TO XPB7					EXIST.				
X2***		Exist.		REC	XPB8 TO XPP3	EXIST.				EXIST.				
C1		Exist.		REC	XSV TO XCC1					EXIST.				EXIST.
C2		Exist.		REC	XCC1 TO XFFB2					EXIST.				EXIST.
C3		Exist.		REC	XFFB2 TO XPB6					EXIST.				EXIST.

NOTES:
INSTALL NEW CONDUCTORS IN EXISTING/NEW CONDUITS. REMOVE AND SALVAGE EXISTING CONDUCTORS.
* EXISTING CONDUITS AND CONDUCTORS BETWEEN CONTROLLER CABINET, METER PEDESTAL, AND SERVICE RISER TO REMAIN.
** ABANDON IN PLACE. REMOVE AND SALVAGE EXISTING CONDUIT.

ABBREVIATIONS

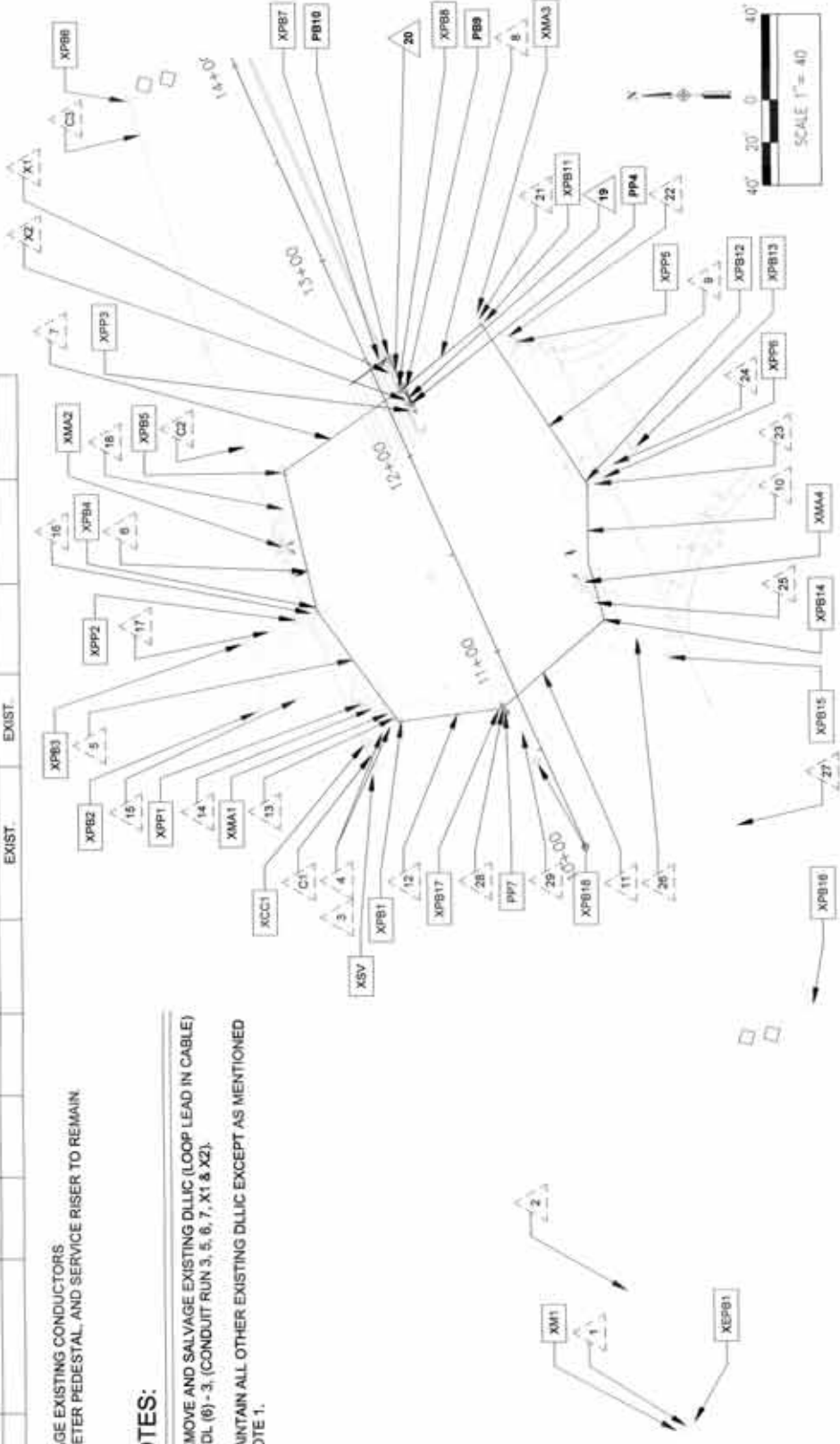
XMA 1	EXISTING MAST ARM NUMBER
XPP 1	EXISTING PEDESTAL POLE NUMBER
XCC 1	EXISTING CONTROLLER CABINET
XSV 1	EXISTING SPUR VAULT
XPPB 1	EXISTING PEDESTRIAN PUSH BUTTON NUMBER
XPB 1	EXISTING PULL BOX NUMBER (SIGNALS)
XPBS 1	EXISTING PULL BOX (POWER)
XFPB 1	EXISTING PULL BOX (INNER CONNECT)
XEPB 1	EXISTING PULL BOX (ELECTRICAL)
X 3A	EXISTING SIGNAL HEAD NUMBER
X P1	EXISTING PEDESTRIAN SIGNAL NUMBER
XM 1	EXISTING METER PEDESTAL NUMBER
X CAM1	EXISTING TRAFFIC CAMERA
PP1	PROPOSED PEDESTAL POLE NUMBER
PB1	PROPOSED PULL BOX (SIGNAL)
OPT NB	OPTICOM

SYMBOL KEY

	EXISTING CONDUIT RUN
	PROPOSED CONDUIT RUN
	SIGNAL EQUIPMENT AND CABINET ID

NOTES:

- 1. REMOVE AND SALVAGE EXISTING DLIC (LOOP LEAD IN CABLE) FOR DL (6) - 3. (CONDUIT RUN 3, 5, 6, 7, X1 & X2).
- 2. MAINTAIN ALL OTHER EXISTING DLIC EXCEPT AS MENTIONED IN NOTE 1.



AS BUILT INFORMATION		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY: PSB & AR		CHECKED BY: AR & PSB	
PROJECT BENCHMARKS ARE CP 101		FIELD NOTES		DATE: 09/2016		DATE: 09/2016		DATE: 09/2016		DATE: 09/2016	
BENCH MARKS		NO.		BY		REMARKS		NO.		DATE	
ADJUSTED BASED ON COA		DATE		DATE		DATE		DATE		DATE	
BENCHMARKS (NAD83)		DATE		DATE		DATE		DATE		DATE	
MICRO-FILM INFORMATION		DATE		DATE		DATE		DATE		DATE	

LEE ENGINEERING

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505/338-0988
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD AND WESTERN TRAIL MEDIAN
IMPROVEMENT PROJECT
CABLES AND CONDUITS

DESIGN REVIEW COMMITTEE	SEP 27 2016
CITY ENGINEER	SEP 27 2016
REVIEW COMMITTEE	SEP 27 2016
City Engineer Approval	SEP 27 2016
City Engineer	SEP 27 2016
City Project No.	9044.08
Zone Map No.	F-10
Sheet	13
OF	24

FUNCTION CHART - 115 VOLT CIRCUIT									
CONDUCTOR			RING 1-MULTI CONDUCTOR CABLE 20			RING 2-MULTI CONDUCTOR CABLE 20 *2			
NUMBER	BASE COLOR	TRACER	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION	FIELD CONNECTION	FIELD CONNECTION	FIELD CONNECTION
1	BLACK	-	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
2	WHITE	-	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
3	RED	-	PHASE 1 RED	RED LEFT TURN ARROW 1A, 1B, 1C	PHASE 5 RED	RED LEFT TURN ARROW 3A, 3B	RED LEFT TURN ARROW 3A, 3B	RED LEFT TURN ARROW 3A, 3B	RED LEFT TURN ARROW 3A, 3B
4	GREEN	-	PHASE 1 GREEN	GREEN LEFT TURN ARROW 1A, 1B, 1C	PHASE 5 GREEN	GREEN LEFT TURN ARROW 3A, 3B	GREEN LEFT TURN ARROW 3A, 3B	GREEN LEFT TURN ARROW 3A, 3B	GREEN LEFT TURN ARROW 3A, 3B
5	ORANGE	-	PHASE 1 YELLOW	YELLOW LEFT TURN ARROW 1A, 1B, 1C	PHASE 5 YELLOW	YELLOW LEFT TURN ARROW 3A, 3B	YELLOW LEFT TURN ARROW 3A, 3B	YELLOW LEFT TURN ARROW 3A, 3B	YELLOW LEFT TURN ARROW 3A, 3B
6	BLUE	-	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
7	WHITE	BLACK	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
8	RED	BLACK	PHASE 2 RED	RED BALL X3M1, X3	PHASE 6 RED	RED BALL X1M1, X1	RED BALL X1M1, X1	RED BALL X1M1, X1	RED BALL X1M1, X1
9	GREEN	BLACK	PHASE 2 GREEN	GREEN BALL X3M1, X3	PHASE 6 GREEN	GREEN BALL X1M1, X1	GREEN BALL X1M1, X1	GREEN BALL X1M1, X1	GREEN BALL X1M1, X1
10	ORANGE	BLACK	PHASE 2 YELLOW	YELLOW BALL X3M1, X3	PHASE 6 YELLOW	YELLOW BALL X1M1, X1	YELLOW BALL X1M1, X1	YELLOW BALL X1M1, X1	YELLOW BALL X1M1, X1
11	BLUE	BLACK	PHASE 2 WALK	PEDESTRIAN WALK XP6, XP7	PHASE 6 WALK	PEDESTRIAN WALK XP2, XP3	PEDESTRIAN WALK XP2, XP3	PEDESTRIAN WALK XP2, XP3	PEDESTRIAN WALK XP2, XP3
12	BLACK	WHITE	PHASE 2 DON'T WALK	PEDESTRIAN DON'T WALK XP6, XP7	PHASE 6 DON'T WALK	PEDESTRIAN DON'T WALK XP2, XP3	PEDESTRIAN DON'T WALK XP2, XP3	PEDESTRIAN DON'T WALK XP2, XP3	PEDESTRIAN DON'T WALK XP2, XP3
13	RED	WHITE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
14	GREEN	WHITE	SPARE	SPARE	OVERLAP A GREEN	GREEN RIGHT TURN ARROW 2	GREEN RIGHT TURN ARROW 2	GREEN RIGHT TURN ARROW 2	GREEN RIGHT TURN ARROW 2
15	BLUE	WHITE	SPARE	SPARE	OVERLAP A YELLOW	YELLOW LEFT TURN ARROW 2	YELLOW LEFT TURN ARROW 2	YELLOW LEFT TURN ARROW 2	YELLOW LEFT TURN ARROW 2
16	BLACK	RED	PHASE 4 RED	RED BALL X4A, X4M1, X4	PHASE 8 RED	RED BALL 2, X2A, X2B, X2M1	RED BALL 2, X2A, X2B, X2M1	RED BALL 2, X2A, X2B, X2M1	RED BALL 2, X2A, X2B, X2M1
17	WHITE	RED	PHASE 4 GREEN	GREEN BALL X4A, X4M1, X4	PHASE 8 GREEN	GREEN BALL 2, X2A, X2B, X2M1	GREEN BALL 2, X2A, X2B, X2M1	GREEN BALL 2, X2A, X2B, X2M1	GREEN BALL 2, X2A, X2B, X2M1
18	ORANGE	RED	PHASE 4 YELLOW	YELLOW BALL X4A, X4M1, X4	PHASE 8 YELLOW	YELLOW BALL 2, X2A, X2B, X2M1	YELLOW BALL 2, X2A, X2B, X2M1	YELLOW BALL 2, X2A, X2B, X2M1	YELLOW BALL 2, X2A, X2B, X2M1
19	BLUE	RED	PHASE 4 WALK	PEDESTRIAN WALK XP1, XP8	PHASE 8 WALK	PEDESTRIAN WALK XP4, XP5	PEDESTRIAN WALK XP4, XP5	PEDESTRIAN WALK XP4, XP5	PEDESTRIAN WALK XP4, XP5
20	RED	GREEN	PHASE 4 DON'T WALK	PEDESTRIAN DON'T WALK XP1, XP8	PHASE 8 DON'T WALK	PEDESTRIAN DON'T WALK XP4, XP5	PEDESTRIAN DON'T WALK XP4, XP5	PEDESTRIAN DON'T WALK XP4, XP5	PEDESTRIAN DON'T WALK XP4, XP5

NOTES

- *1. IDENTIFY CONDUCTORS LISTED AS "115 VOLTS".
- *2. WRAP RING 2 CABLE AT EACH SPLICE POINT WITH COLORED ELECTRICAL TAPE. THE IDENTIFICATION MARKING SHALL BE PROVIDED ON EACH RING 2 CABLE AT EACH SPLICE AND LOCATED 6" BACK FROM THE END.
- *3. IDENTIFY CONDUCTORS LISTED AS "PPB-LOW VOLTAGE" AT EACH SPLICE POINT. FIVE (5) CONDUCTOR CABLE SHALL BE 24 VOLTS AND USED FOR PUSH BUTTONS ONLY.
- *4. CONDUCTOR CABLE RUNS TO TRAFFIC SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN PUSH BUTTONS SHALL BE SPLICED INTO THE MAIN CONDUCTORS AT THE NEAREST PULLBOX AND UN WITHOUT ADDITIONAL SPLICES INTO EACH SIGNAL HEAD OR PUSH BUTTON ASSEMBLY.

UNIT NUMBER	POWER SUPPLY	1	2	3	4	5	6	7	8	9	10
CHANNEL 1		#1	#2 EXT	#4 EBR	#5	#4	#6 EXT	#6	#6		OPTICOM 1 OPTICOM 3 SLOT ONLY SLOT ONLY
CHANNEL 2		#1	#3 EXT	#6 MBR			#6 EXT	#6			OPTICOM 2 OPTICOM 4 SLOT ONLY SLOT ONLY
DETECTOR MODULE REQUIRED		#1	#1	#1	#1	#1	#1	#1	#1	#1	

NOTE: CONTRACTOR SHALL VERIFY ALL EXISTING DETECTION TO REMAIN IS OPERATIONAL. CONTRACTOR SHALL RECONNECT MODULES CORRESPONDING TO PHASE 2 & 6. PLEASE CONTACT ENGINEER OR TRAFFIC ENGINEERING DEPARTMENT IF ADDITIONAL EFFORTS ARE REQUIRED IN ORDER TO MAKE ALL DETECTION FUNCTIONAL.

DETECTOR LOOPS											
VEHICLE DETECTOR				LOOP TYPE				LOOP DIMENSIONS (FT)			
LOOP I.D.	MODE	CALL	UNIT NO	CHANNEL	L	W	S	T	WIRE (FT)	LOOP WIRE (FT)	PAVEMENT SAWCUT (FT)
XDL(5) - 1	PRESENCE	EXT - 3	4	1	OP			EXISTING			
XDL(2) - 1	PULSE	EXT - 3	2	1	4 TURN			EXISTING			
XDL(2) - 2	PULSE	EXT - 3	2	2	4 TURN			EXISTING			
XDL(4) - 1	PRESENCE		5	1	OP			EXISTING			
XDL(4) - 2	PRESENCE		3	1	3 TURN			EXISTING			
DL(1) - 1	PRESENCE		1	1	OP	40	6	21	1	393	153
DL(1) - 2	PRESENCE		1	2	OP	40	6	11	1	373	143
XDL(6) - 1	PULSE	EXT - 3	6	1	4 TURN			EXISTING			
XDL(6) - 2	PULSE	EXT - 3	6	2	4 TURN			EXISTING			
XDL(6) - 3	PULSE	EXT - 3	6	2	4 TURN			EXISTING			
XDL(8) - 1	PRESENCE		3	2	3 TURN			EXISTING			
XDL(8) - 2	PRESENCE		7	1	3 TURN			EXISTING			
XDL(8) - 3	PRESENCE		7	2	OP			EXISTING			
TOTAL (FT)										766	296

ABBREVIATIONS

DL	DETECTION LOOP
EXT	EXTENDED CALL LOOP
L	DETECTOR LOOP LENGTH
W	DETECTOR LOOP WIDTH
S	SAW CUT LOOP TO CURB
T	TERMINAL LENGTH
QP	QUADRAPOLE LOOP

FUNCTION CHART - 24 VOLT CIRCUIT

MULTI CONDUCTOR CABLE 5			
CONDUCTOR NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION
1	BLACK	PHASE 2 PPB	EXISTING
2	WHITE	COMMON	EXISTING
3	RED	PHASE 4 PPB	EXISTING
4	GREEN	PHASE 6 PPB	EXISTING
5	ORANGE	PHASE 8 PPB	EXISTING

CONDUIT AND CONDUCTOR REQUIREMENTS									
CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE									
RUN ID	REMARKS	MCC5 (# @ FT)	MCC7 (# @ FT)	MCC20 (# @ FT)	SCC #2 (# @ FT)	SCC #10 (# @ FT)	VIDEO CABLE (# @ FT)	OPTICOM (# @ FT)	
#									
XMA1	BASE TO X1M1	EXIST							
XMA1	BASE TO X1	EXIST							
XMA1	BASE TO OCTV	EXIST							
XMA1	BASE TO XP1, XP2	EXIST							
XMA1	BASE TO XPPB1, XPPB2	EXIST							
XPP1	BASE TO X2A	EXIST							
XMA2	BASE TO X3M1	EXIST							
XMA2	BASE TO 2	1 @ 15							
XMA2	BASE TO 3B	1 @ 15							
XMA2	BASE TO XP3, XP4	EXIST							
XMA2	BASE TO XPPB3, XPPB4	EXIST							
PP4	BASE TO 1B	1 @ 15							
PP4	BASE TO 3A	1 @ 15							
XMA3	BASE TO X3M1	EXIST							
XMA3	BASE TO X3	EXIST							
XPP5	BASE TO XP5, XP6	EXIST							
XPP5	BASE TO XPPB5, XPPB6	EXIST							
XPP6	BASE TO X4A	EXIST							
XPP6	BASE TO X2B	EXIST							
XMA4	BASE TO X4M1	EXIST							
XMA4	BASE TO 1C	1 @ 15							
XMA4	BASE TO X4	EXIST							
XMA4	BASE TO XP7, XP8	EXIST							
XMA4	BASE TO XPPB7, XPPB8	EXIST							
PP7	BASE TO 1A	1 @ 15							
TOTAL		75	15	0	0	0			



DESIGNED BY: PSB & AR	DATE: 09/2016
DRAWN BY: SAB	DATE: 09/2016
CHECKED BY: AR & PSB	DATE: 09/2016
REVISIONS	
NO.	DATE
BY	
REMARKS	



8220 SAN PEDRO DRIVE NE
SUITE 150
ALBUQUERQUE, NM 87113
505/338-0988
FAX 505/338-0989

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260-1990



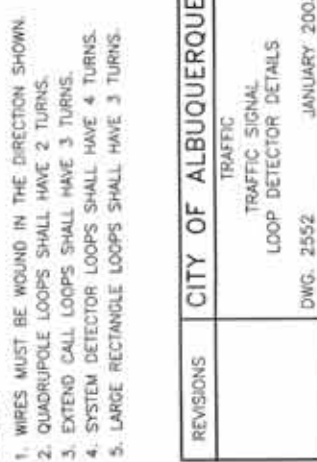
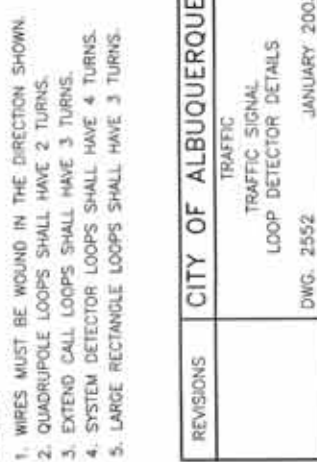
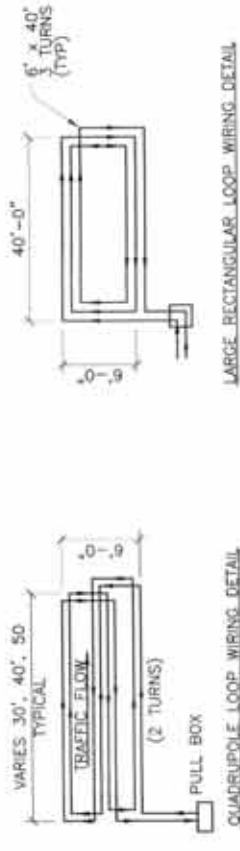
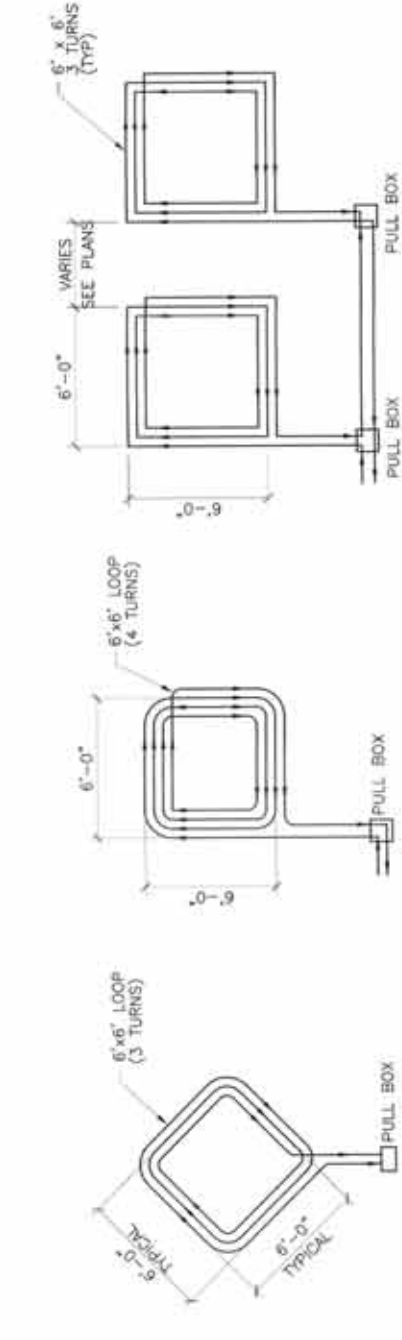
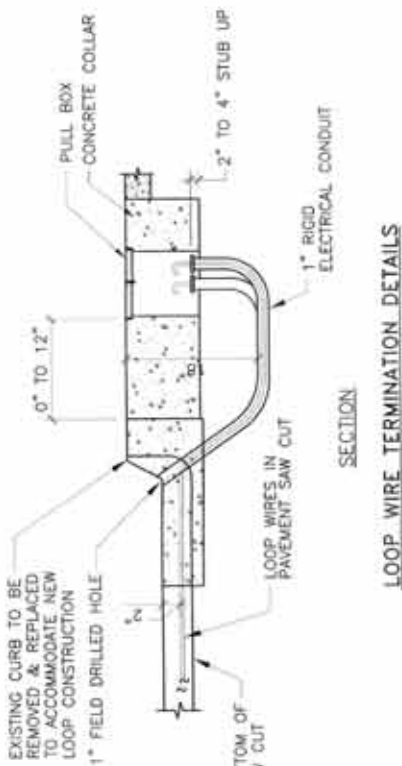
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

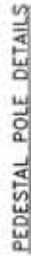
TITLE: UNSER BOULEVARD AND WESTERN TRAIL MEDIAN IMPROVEMENT PROJECT
CABLES AND CONDUITS CONTINUED

Design Review Committee
City Engineer Approval
SEP 27 2016
CITY ENGINEER

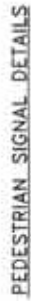
Last Design Update
SEP 27 2016
CITY ENGINEER

City Project No. 9044.08
Zone Map No. F-10
Sheet 14 of 24





- NOTES:**
1. STREET NAME SIGNS REQUIRED AS SHOWN ON PLANS.
 2. STREET NAME SIGN SHALL BE 16" WIDE WITH 8" SERIES "C" LETTERS. SIGN SHALL BE NO MORE THAN TO 12 SQUARE FEET TOTAL AREA AND SHALL HAVE HIGH INTENSITY REFLECTIVE LEGEND, 1" BORDER AND BACKGROUND COLORS: WHITE ON GREEN. SIGN PANELS SHALL BE SINGLE SHEET 6061-T6 ALUMINUM, .125 MINIMUM THICKNESS.
 3. PEDESTRIAN ACTUATED CROSSING SHALL BE A MAXIMUM OF 42" ABOVE THE FINISHED PUBLIC SIDEWALK.
A. STABLE FIRM AND SLIP-RESISTANT AREA.
B. 10'x18" SHALL BE PROVIDED TO ALLOW FOR A FORWARD OR A PARALLEL APPROACH TO THE CONTROLS.
WHERE A PARALLEL IS PROVIDED, CONTROLS SHALL BE WITHIN 10' HORIZONTALLY OF AND CENTERED ON THE CLEAR GROUND SPACE.
 4. FOR INSTALLATIONS WITH ONLY PEDESTRIAN SIGNALS, CUT SHAFT TO 9" USE 15' SHAFT FOR PEDESTAL POLES REQUIRING BOTH 5-SECTION SIGNAL ASSEMBLIES AND PEDESTRIAN SIGNALS.



FINISH:	☐ GALVANIZED
	☐ POWDER COATED COLOR _____

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC
	TRAFFIC SIGNAL
	MISCELLANEOUS DETAILS
	DWG. 2560 JANUARY 2003

LEE
ENGINEERING

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: UNSER BOULEVARD AND WESTERN TRAIL MEDIAN

Design - Review - Committee 	City Engineer - Approval 	Last Design Update 	Zone Map No. F10	Sheet 18	Of 24
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ENGINEER'S SEAL										FOR INFORMATION ONLY NOT FOR CONSTRUCTION										FIELD NOTES XXXX XXXX XXXX										NO. BY DATE										CONSTRUCTION DATE STANDARD BY NOTES ACCEPTANCE BY DATE MODIFICATION BY DATE CONNECTED BY DATE NO.										AS BUILT INFORMATION BENCH MARKS MICRO-FILM INFORMATION										NO.									
SURVEY INFORMATION										REVISIONS REMARKS BY										DESIGNED BY: XXXX DATE: XXXX DRAWN BY: XXXX DATE: XXXX CHECKED BY: XXXX DATE: XXXX										ERQUE DEVELOPMENT IGN RN TRAIL MEDIAN JECT S. TYPE II STANDARD MA 50074 MA 50074										Sheet 19 of 24																													

PERMANENT SIGNING & STRIPING QUANTITIES (ESTIMATED)			
ITEM		ITEM	
NUMBER	DESCRIPTION	UNIT	QUANTITY
441.001	REFLECTORIZED PLASTIC PAVENT MARKINGS, 4" WIDTH, CP.	LIN FT	760.00
441.002	REFLECTORIZED PLASTIC PAVENT MARKINGS, 12" WIDTH, CP.	LIN FT	720
441.004	REFLECTORIZED PLASTIC PAVENT MARKINGS, 24" WIDTH, CP.	LIN FT	600
441.005	REFLECTORIZED PLASTIC ARROW, LEFT, CP.	EACH	10.00
441.006	REFLECTORIZED PLASTIC ARROW, RIGHT, CP.	EACH	10
441.007	REFLECTORIZED PLASTIC WORD, "ONLY", CP.	EACH	5.00
441.008	REFLECTORIZED PLASTIC WORD, "STOP", CP.	EACH	1

[illegible]

STATION	LOCATION	ITEM 441.020 REFLECTORIZED PLASTIC WORN "ONLY" CP
11+61.59, RT. 149.65	Western Trail WB Left Turn Lane	1
13+16.57, LT. 9.34	Unaser SB Outside Left Turn Lane	1
13+16.57, RT. 2.66	Unaser SB Inside Left Turn Lane	1
14+95.95, LT. 9.34	Unaser SB Outside Left Turn Lane	1
14+95.96, RT. 1.66	Unaser SB Inside Left Turn Lane	1
	SUBTOTAL	5
	USE (EACH)	5

ITEM 441.011 REFLECTORIZED PLASTIC ARROW, LEFT, CSP	LOCATION	STATION
	Western Trail NB Left Turn Lane	11+73.85, RT. 110.00
	Western Trail NB Left Turn Lane	11+92.90, RT. 187.78
	Unser SB Outside Left Turn Lane	12+70.95, LT. 9.41
	Unser SB Inside Left Turn Lane	12+79.85, RT. 1.59
	Unser SB Outside Left Turn Lane	13+55.85, LT. 9.27
	Unser SB Inside Left Turn Lane	13+55.85, RT. 1.74
	Unser SB Outside Left Turn Lane	14+55.24, LT. 9.21
	Unser SB Inside Left Turn Lane	14+55.24, RT. 1.79
	Unser SB Outside Left Turn Lane	15+35.24, LT. 9.46
	Unser SB Inside Left Turn Lane	15+35.24, RT. 1.54
	SUBTOTAL	
	USE (EACH)	10

[illegible]

	CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	TITLE: UNSER BOULEVARD AND WESTERN TRAIL MEDIAN IMPROVEMENT PROJECT PERMANENT SIGNING AND STRIPING QUANTITIES		City Engineer: Approved 		Last Design Update 		Design Review Committee 		City Project No. 9044.08	Zone Map No. F10	Sheet 21	Of 24

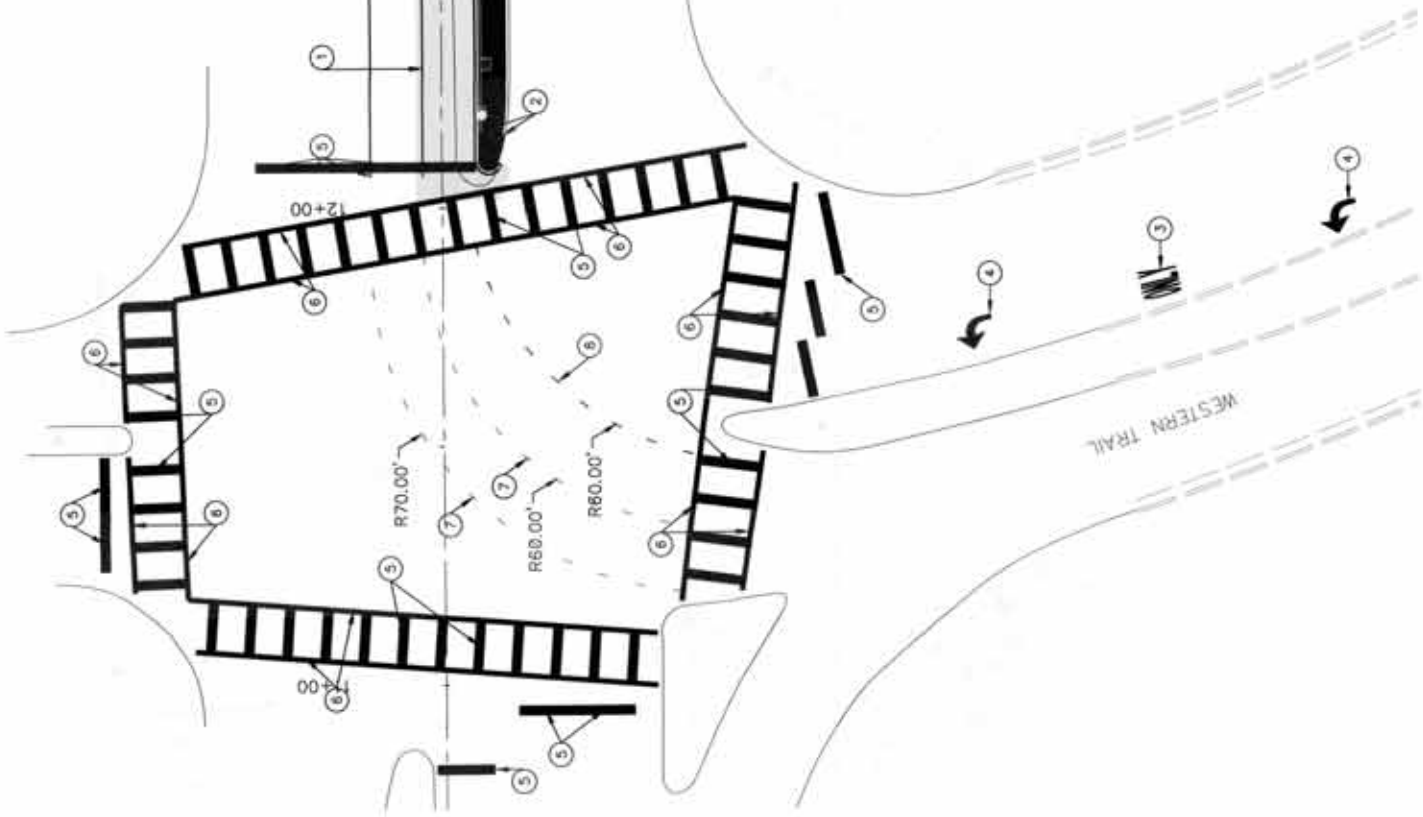


KEYED NOTES

- ① 4" WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
- ② REFLECTORIZED BEADED YELLOW PAINTED MEDIAN NOSE (EXTEND 6 FEET BEYOND TANGENT POINT)
- ③ RETROREFLECTORIZED PLASTIC WORD "ONLY"
- ④ RETROREFLECTORIZED PLASTIC LEFT TURN ARROW
- ⑤ 24" WHITE REFLECTORIZED PAVEMENT STRIPE
- ⑥ 12" WHITE REFLECTORIZED PAVEMENT STRIPE
- ⑦ 4" WHITE DASHED RETROREFLECTIVE PAVEMENT STRIPE (2' STRIPE, 4' GAP)
- ⑧ 4" YELLOW DASHED RETROREFLECTIVE PAVEMENT STRIPE (2' STRIPE, 4' GAP)

NOTES

- 1. ALL SIGNING AND STRIPING SHALL BE PER COA, STANDARD DETAILS FOR SIGNING & STRIPING, SECTION 2900.



UNSER BOULEVARD

WESTERN TRAIL

16+00
15+00
14+00
13+00
12+00



ENGINEER'S SEAL	
SURVEY INFORMATION	
NO.	BY
FIELD NOTES	
BENCH MARKS	
PROJECT BENCHMARKS ARE CP 101, CITY OF ALBUQUERQUE "4-F10" AND "13-F11" ELEVATIONS ARE	
RESPECTIVELY, ELEVATIONS ARE 5119.264', 5120.129', AND 5138.121' RESPECTIVELY, ELEVATIONS ARE	
ADJUSTED BASED ON COA BENCHMARKS (NAD 83).	
NO.	RECORDED BY
MICRO-FILM INFORMATION	
DATE	DATE

REVISIONS	
NO.	DATE
REMARKS	
BY	DATE
SOUDEK, MILLER & ASSOCIATES	
DESIGNED BY: TJY	
DRAWN BY: TJY	
CHECKED BY: EJM	
DATE: 8/20/2016	



CITY OF ALBUQUERQUE	
DEPARTMENT OF MUNICIPAL DEVELOPMENT	
ENGINEERING DIVISION	
TITLE: UNSER BOULEVARD AND WESTERN TRAIL MEDIAN IMPROVEMENT PROJECT PERMANENT SIGNING AND STRIPING	
Design Review Committee	City Engineer Approval
SEP 27 2016	SEP 27 2016
DESIGN REVIEW COMMITTEE	CITY ENGINEER
Last Design Update	
City Project No.	Zone Map No.
9044.08	F10
Sheet	Of
22	24



 SMA Smith, Miller & Associates Sustainable Infrastructure 1401 Chestnut St., 10th Floor Albany, NY 12207-1000 518.263.1500 www.smaonline.com	 CITY OF ALBANY DEPARTMENT OF MUNICIPAL ENGINEERING & PLANNING	TITLE: UNSER BOULEVARD AND WEST TURN BAY & PAVEMENT IMPROVEMENT PROJECT City Engineer Approval	Design Review Committee SEP 8 7 2005 DESIGN REVIEW COMMITTEE	City Engineer Approval SEP 8 7 2005 CITY ENGINEER	Zone Map	F1
City Project No.	9044.08	SEP 8 7 2005	SEP 8 7 2005	SEP 8 7 2005	Zone Map	F1

Bergstrasser, Adam C.

From: Ross, Gina
Sent: Tuesday, November 22, 2016 8:27 AM
To: Bergstrasser, Adam C.
Cc: Harrison, David S.
Subject: FW: Unser & Western Trail Median Improvements Proposal rev1.pdf

Adam,
Please see below for the Activity Number for Unser & Western Trail and let me know when construction is set to begin.
Thanks,
Gina

From: Romero, Ron
Sent: Tuesday, November 22, 2016 8:20 AM
To: Ross, Gina <ginaross@cabq.gov>
Subject: RE: Unser & Western Trail Median Improvements Proposal rev1.pdf

Gina,

Please **utilize activity number 7545050** in the amount of \$140,000. Thanks.

From: Ross, Gina
Sent: Friday, November 18, 2016 8:57 AM
To: Bergstrasser, Adam C.
Cc: Romero, Ron
Subject: RE: Unser & Western Trail Median Improvements Proposal rev1.pdf

Adam,
I've sent it to Ron for review. I'll let you know when I hear anything back as far as comments or funding source.
Thanks,
Gina

From: Bergstrasser, Adam C.
Sent: Thursday, November 17, 2016 3:26 PM
To: Ross, Gina <ginaross@cabq.gov>
Subject: RE: Unser & Western Trail Median Improvements Proposal rev1.pdf

Hi Gina, any update on this project?

Thanks,

Adam

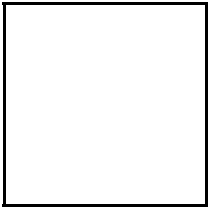
From: Bergstrasser, Adam C.
Sent: Wednesday, November 09, 2016 3:11 PM
To: Ross, Gina
Subject: FW: Unser & Western Trail Median Improvements Proposal rev1.pdf

Adam C. Bergstrasser
Construction Project Manager
City of Albuquerque
DMD/Construction Services
office: 505-924-3671
cell: 505-203-7525
abergstrasser@cabq.gov

From: Randy Cox [<mailto:RCox@tlcplumbing.com>]
Sent: Friday, November 04, 2016 6:38 AM
To: Bergstrasser, Adam C.; Harrison, David S.
Cc: Dirk Holtman; Brian Baughman; Angela Gibson
Subject: Unser & Western Trail Median Improvements Proposal rev1.pdf

Adam,
Revised per your request. If we move forward with this work we will need to set up a meeting with Engineer and Bixby to review scope of work.
Thanks

Randy Cox



5000 Edith Blvd NE
Albuquerque, NM 87107

Phone: 505-449-5586

Fax: 505-761-5559
