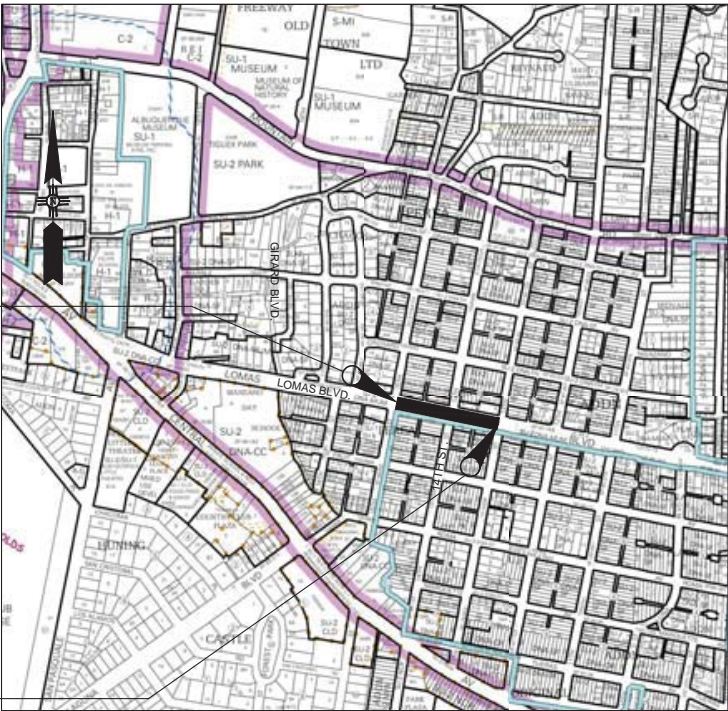


CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
CONSTRUCTION PLANS
LOMAS BOULEVARD AND 14TH STREET
BICYCLE CROSSING
COA Project 7703.22



BEGINNING OF PROJECT
LOMAS BOULEVARD
STA. 10+00.00


END OF PROJECT
LOMAS BOULEVARD
STA. 16+20.00

VICINITY MAP
ZONE ATLAS MAPS : J13
SCALE 1:500
PROJECT LENGTH = 620 FT

PURPOSE OF PROJECT
MEDIAN CLOSURE TO FACILITATE BICYCLE
CROSSING INCLUDING CURB & GUTTER,
MEDIAN PAVEMENT, AND SIGNING &
STRIPING IMPROVEMENTS

REV.	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****	
		DRC Chairman			APPROVED FOR CONSTRUCTION	
		Transportation				
		Water/Wastewater				
		Hydrology				
		Parks				
Constr. Coord.		City Engineer			Date	
Traffic Eng.						
AMAFCA						
PROJECT NO.		SHEET				
COA 7703.22		1-1				

SHEET NO.	DESCRIPTION	GROUP
1-1	COVER SHEET	GENERAL PROJECT INFORMATION
1-2	INDEX OF SHEETS	
1-3	GENERAL NOTES	
1-4	SUMMARY OF QUANTITIES	
2-1	REMOVAL PLAN	ROADWAY PLANS
2-2 TO 2-4	ROADWAY TYPICAL SECTION DETAILS	
2-5	MISCELLANEOUS DETAILS	
3-1	HORIZONTAL LAYOUT SURVEY CONTROL	
3-2	INTERSECTION PLAN	
3-3	INTERSECTION PLAN DETAILS	
5-1	SIGNING AND STRIPING NOTES AND QUANTITIES	
5-2	SIGNING AND STRIPING PLAN	
5-3 & 5-4	COA STANDARD DETAILS FOR SIGNING & STRIPING (SECTION 2900)	
7-1	EXISTING UTILITY PLAN	UTILITY PLANS



WSP USA, INC.

6100 UTICOR BLVD. NE

SUITE 700

ALBUQUERQUE, NM 87110

TEL: +1 505.861.5357

FAX: +1 505.811.7923

CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

ENGINEERING DIVISION

LOMAS BOULEVARD AND 14TH STREET

BICYCLE CROSSING

INDEX OF SHEETS

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

MO./DAY/YR.

MO./DAY/YR.

City Project No.

COA 7703.22

Zone Map No.

J13


Sheet

1 – 2

J:\33747 COA OnCall Engineering Svcs 7703.10\03 Task Orders\Scope XX - Task 08 - Lomas and 14th Bicycle Crossing\04 Engineering - PCN\Plans\1_Sheets\Index of Sheets.dwg Jul 26, 2017 - 10:35am Saved By: apodocase

J:\33747 COA OnCall Engineering Svcs 7703.10\03 Task Orders\Scope XX - Task 08 - Lomas and 14th Bicycle Crossing\04 Engineering - PCN#\Plans\1_Sheets\General Notes.dwg Aug 02, 2017 - 4:29pm Saved By: apodacase

LOMAS BOULEVARD AND 14TH STREET BICYCLE CROSSING SUMMARY OF QUANTITIES			
ITEM NO.	LONG DESCRIPTION	UNIT	QUANTITY
CONSTRUCTION			
4.010	CONSTRUCTION STAKING, COMPL	LS	LS
4.020	CONSTRUCTION SURVEYING, COMPL	LS	LS
6.050	CONSTRUCTION MOBILIZATION, COMPL	LS	LS
19.010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL	LS	LS
ROADWAY			
205.010	BORROW, HAULING & COMPACTION OF SUITABLE FILL MATERIAL WHEN NOT OBTAINED FROM WITHIN LIMITS OF CONSTRUCTION, COMPL	CY	110
301.020	SUBGRADE PREP. 12" AT 95% COMPACTION, CIP.	SY	90
302.010	AGGREGATE BASE COURSE, CRUSHED, 6" AT 95% COMPACTION, CIP. SD 2408	SY	90
336.024	ASPHALT CONCRETE, 3 INCH THICK, SUPERPAVE	SY	180
336.010	PRIME COAT, EMULSIFIED ASPHALT, CIP.	SY	90
336.120	TACK COAT, CATIONIC EMULSIFIED ASPHALT, CIP.	SY	90
340.060	CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, CIP. SD 2408	LF	580
346.100	TEXTURED MEDIAN PAVEMENT, 4" THICK, COLORED PC CONCRETE, INCL SUBGRADE COMPACTION, CIP. SD 2408	SF	5,330
REMOVAL			
343.030	EXISTING PAVEMENT, ASPHALT CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL	SY	600
343.040	EXISTING PAVEMENT, PC CONCRETE, UP TO 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL	SY	120
343.080	EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE ,REMOVE & DISPOSE, COMPL	LF	375
SIGNING AND STRIPING			
440.001	REFLECTORIZED PAINTED MARKING, CIP.	LF	95
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP.	LF	915
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LF	25
441.00X	REFLECTORIZED PAINTED MARKINGS, GREE, CIP.	SF	160
443.101	REMOVAL OF PAVEMENT STRIPE, ANY WIDTH, PAINTED OR PLASTIC, COMPL	LF	595
450.001	ALUMINUM PANNEL PANEL SIGNS, CIP	SF	40
450.010	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP	LF	100
450.101	SIGN, POST, & BASE POST, REMOVE & SALVAGE, COMPL	EA	4
UTILITY			
801.112	VALVE BOX, RING & COVER, ADJUST TO GRADE, CIP. SD 2460	EA	1
920.410	EXISTING MANHOLE FRAME & COVER, ADJUST TO GRADE WITH MASONRY, OVER 2", CIP. SD 2460	EA	1



WSP USA, INC.

6100 SHOFAR BLVD. NE

SUITE 700

ALBUQUERQUE, NM 87110

TEL: +1 505.881.5357

FAX: +1 505.811.7023

CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

ENGINEERING DIVISION

LOMAS BOULEVARD AND 14TH STREET

BICYCLE CROSSING

SUMMARY OF QUANTITIES

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

City Project No.

COA 7703.22

Zone Map No.

J13

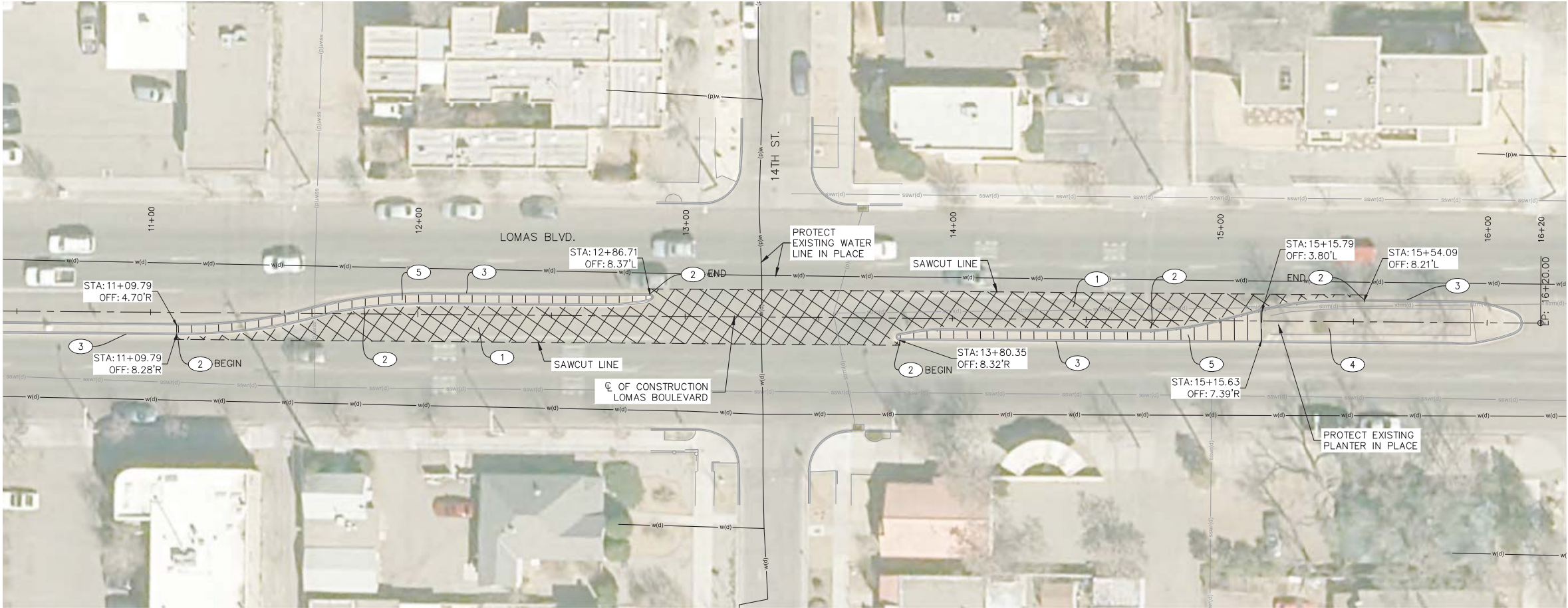
Sheet

1 – 4

MO./DAY/YR.

MO./DAY/YR.

J:\33747 COA OnCall Engineering Svcs 7703.10\03 Task Orders\Scope XX - Task 08 - Lomas and 14th Bicycle Crossing\04 Engineering - PCNF\Plans\1_Sheets\Summary of Quantities.dwg Aug 03, 2017 - 2:22pm Saved By: apodacase



KEYED NOTES:

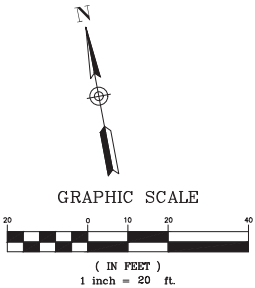
- 1 REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT.
- 2 REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER TO NEAREST JOINT.
- 3 EXISTING CURB AND GUTTER TO REMAIN.
- 4 EXISTING LANDSCAPE AND IRRIGATION TO REMAIN.
- 5 REMOVE AND DISPOSE OF EXISTING MEDIAN PAVEMENT.

LEGEND:

- EXISTING ASPHALT PAVEMENT TO BE REMOVED.
- EXISTING CONCRETE PAVEMENT TO BE REMOVED.

GENERAL NOTES:

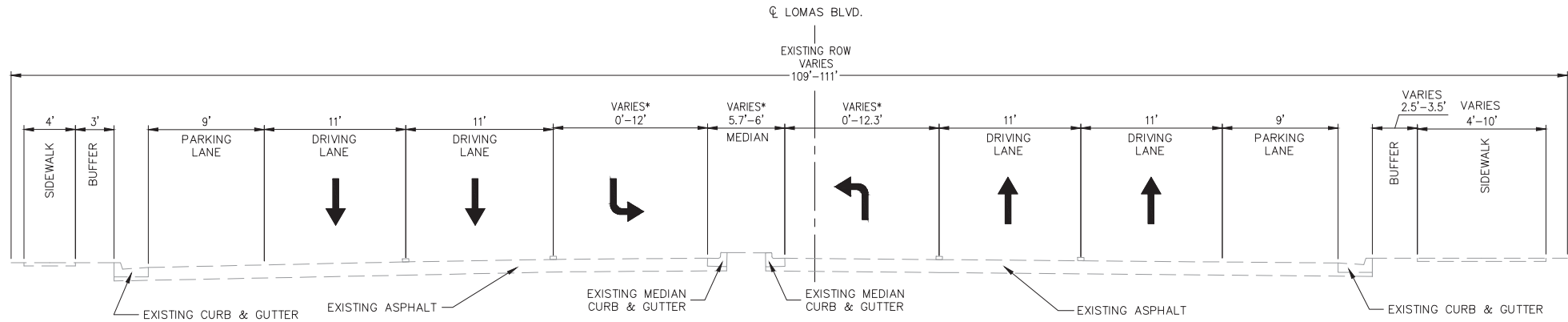
- 1. STATION AND OFFSETS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
- 2. SEE SURVEY CONTROL PLAN SHEET 3-1 FOR CENTERLINE OF CONSTRUCTION LAYOUT DATA.



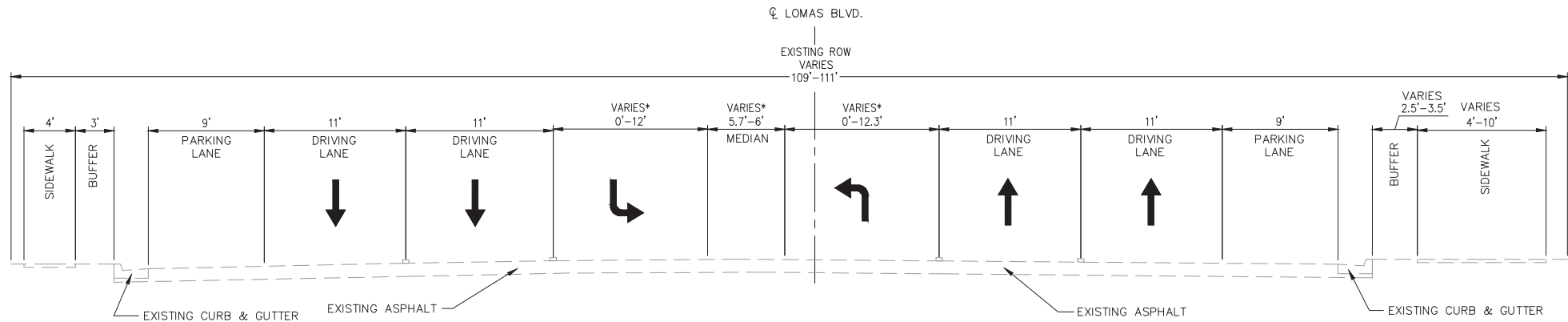
WSP USA INC.
8100 LYNN BLVD. NE
SUITE 700
ALBUQUERQUE, NM 87110
TEL: +1 505.881.5357
FAX: +1 505.81.7653

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION LOMAS BOULEVARD AND 14TH STREET BICYCLE CROSSING REMOVAL PLAN			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 7703.22	Zone Map No. J13	Sheet 2-1	

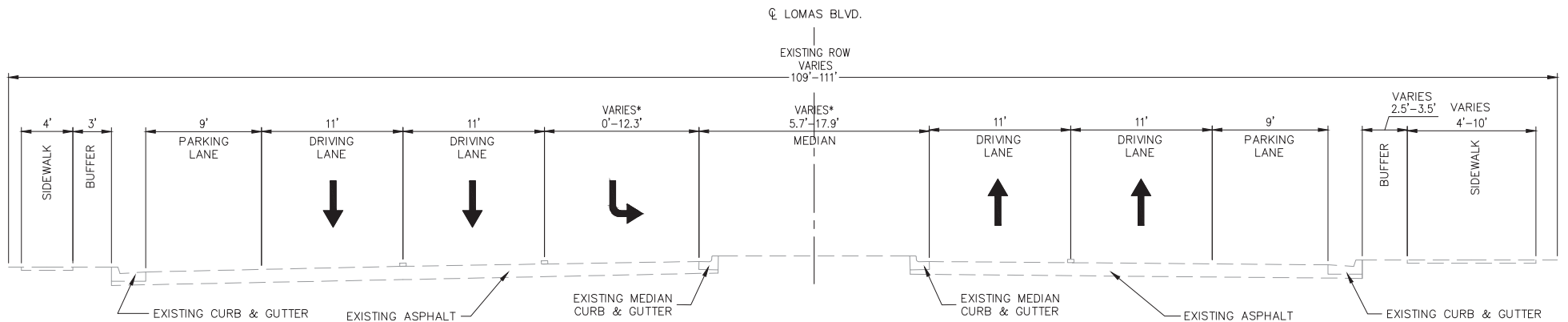
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	BY	DATE	CONTRACTOR	WORK	DATE	DATE
					STATIONED BY		
					ACCEPTANCE BY		
					VERIFICATION BY		
					DRAWINGS BY		
						MICRO-FILM INFORMATION	
						RECORDED BY	DATE
						NO.	
						NAVD 88 ELEV. = 4957.502	



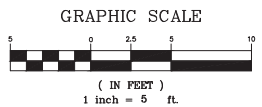
LOMAS BLVD. EXISTING TYPICAL SECTION #1
STA. 11+09.79 TO STA. 12+86.71



LOMAS BLVD. EXISTING TYPICAL SECTION #2
STA. 12+86.71 TO STA. 13+80.35



LOMAS BLVD. EXISTING TYPICAL SECTION #3
STA. 13+80.35 TO STA. 15+54.09



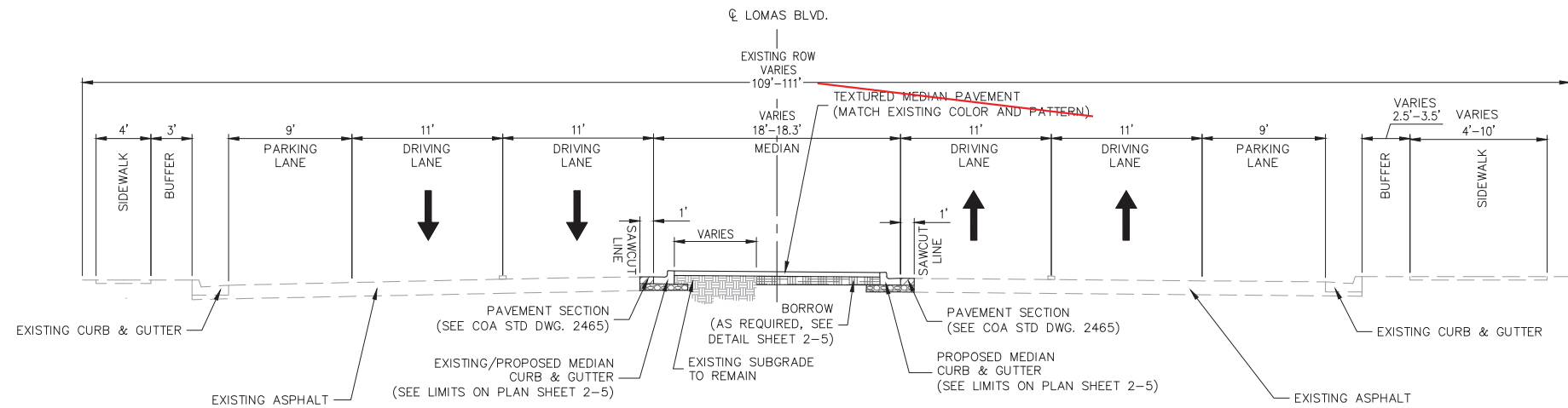
WSP USA INC.
6100 LUTHER BLVD. NE
SUITE 700
ALBUQUERQUE, NM 87110
TEL: +1 505.861.5357
FAX: +1 505.81.7653

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION LOMAS BOULEVARD AND 14TH STREET BICYCLE CROSSING ROADWAY TYPICAL SECTION DETAILS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 7703.22	Zone Map No. J13	Sheet	2-2

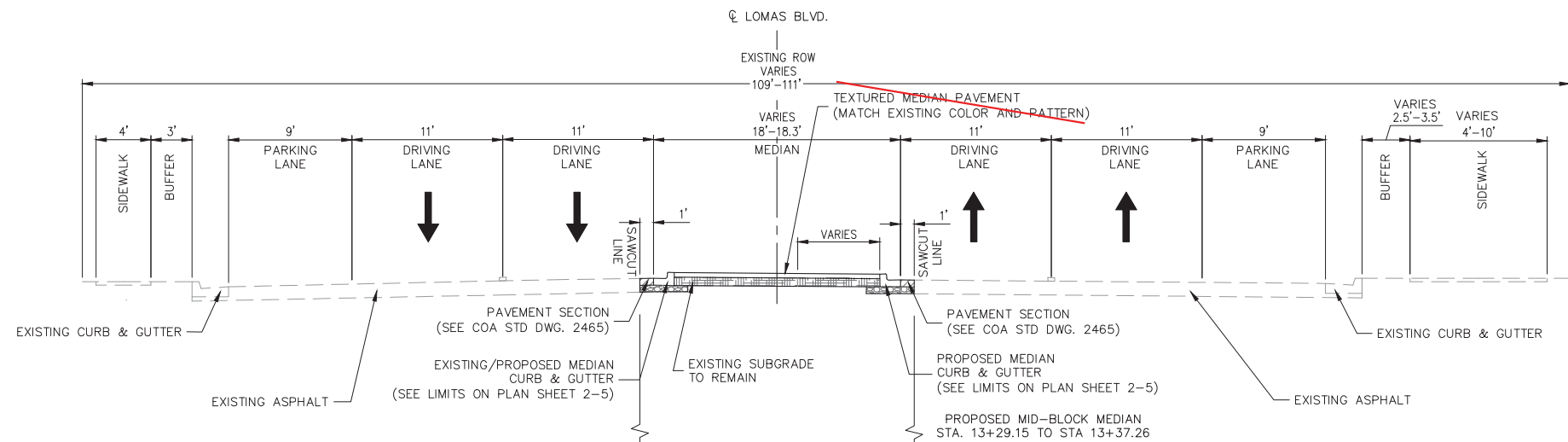
SURVEY INFORMATION				BENCH MARKS				AS BUILT INFORMATION			
FIELD NOTES											
NO.	BY	DATE		NO.	BY	DATE		CONTRACTOR	WORK	DATE	
								COA GEODETIC CONTROL STATION "12-J13 1983"	STAKED BY	DATE	
								3.25" ALUMINUM DISC SET IN TOP OF CURB	ACCEPTANCE BY	DATE	
								GROUND 42.6' NORTH OF CENTERLINE ON LOMAS	VERIFICATION BY	DATE	
								BOULEVARD AND 34.0' WEST OF CENTERLINE ON	DRAWINGS	DATE	
								14TH STREET.	BY	DATE	
								NM STATE PLANE COORDS. (NAD 83)	RECORDED BY	DATE	
								N=1489275.084, E=1517168.92	NO.	DATE	
								NAVD 88 ELEV. = 4957.502			

PAUL F. STEFFIN
NEW MEXICO
15352
REGISTERED PROFESSIONAL ENGINEER

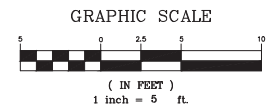
NO.	DATE	REMARKS	BY
		DESIGN	
	06/27/2017		JP
	06/27/2017		JP
	06/27/2017		PS



LOMAS BLVD. PROPOSED TYPICAL SECTION #1
STA. 11+09.79 TO STA. 12+86.71



LOMAS BLVD. PROPOSED TYPICAL SECTION #2
STA. 12+86.71 TO STA. 13+80.35



WSP USA INC.
6100 LUTHER BLVD. NE
SUITE 700
ALBUQUERQUE, NM 87110
TEL: +1 505.881.5357
FAX: +1 505.81.7633



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
LOMAS BOULEVARD AND 14TH STREET
BICYCLE CROSSING
ROADWAY TYPICAL SECTION DETAILS

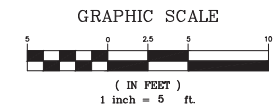
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

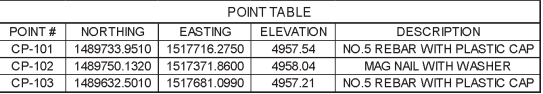
City Project No. COA 7703.22 Zone Map No. J13 Sheet 2-3

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	WORK	DATE	DATE	COA GEODETIC CONTROL STATION "12-J13 1985"	DATE	BY	NO.	FIELD NOTES	NO.	BY	DATE	ENGINEER'S SEAL	NO.	BY	DATE
	STATED BY			3.25" ALUMINUM DISC SET IN TOP OF CURB											
	ACCEPTANCE BY			GROUND 42.6' NORTH OF CENTERLINE ON LOMAS											
	VERIFICATION BY			BOULEVARD AND 34.0' WEST OF CENTERLINE ON											
	DRAWINGS			14TH STREET.											
	RECORD BY			NM STATE PLANE COORDS. (NAD 83)											
	NO.			N=1489275.084, E=1517168.92											
				NAVD 88 ELEV. = 4957.502											



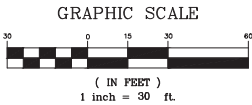
REMARKS	NO.	DATE
DESIGN	JP	06/27/2017
	JP	06/27/2017
	PS	06/27/2017




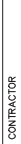


GENERAL NOTES:

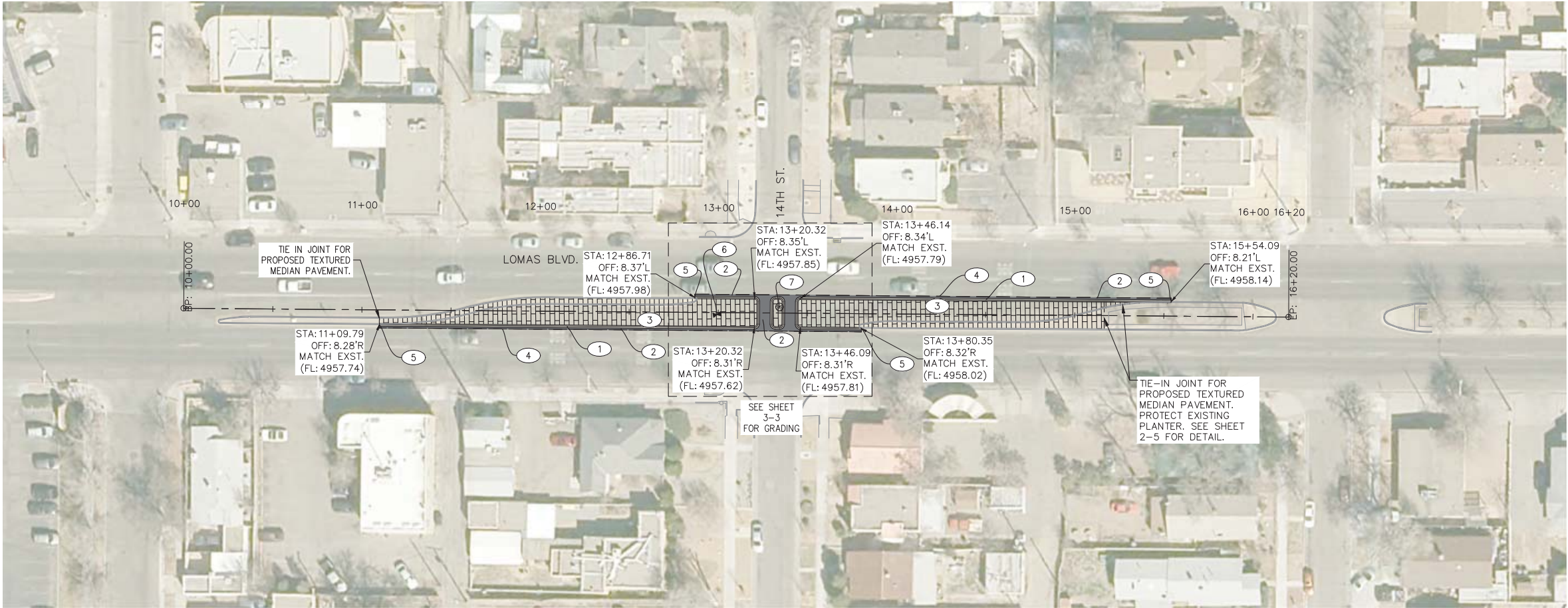
1. BEARINGS ARE BASED UPON NEW MEXICO STATE PLANE GRID BEARINGS (NAD 83-CENTRAL ZONE) AND WERE DERIVED BY GPS RTK OBSERVATIONS REFERENCED TO THE "TRIMBLE VRSNOW REGIONAL RTK NETWORK". THE COORDINATES SHOWN HEREON ARE MODIFIED (SURFACE) N.M. STATE PLANE COORDINATES AND WERE SCALED BY THE PROJECT COMBINED FACTOR OF 1.000315932 AROUND AN ORIGIN OF 0,0.
2. ELEVATIONS ARE BASED UPON THE NAVD 88 DATUM, AND ARE REFERRED TO THE "TRIMBLE VRSNOW RTK NETWORK" WITH CHECKS TO THE ACS CONTROL STATIONS "12_u13".
3. THE COORDINATES AND ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET.



	WSP USA Inc. 6100 UPTOWN BLVD. NE SUITE 700 ALBUQUERQUE, NM 87110 TEL: +1 505.861.5357 FAX: +1 505.95.7652								NO.		DESIGN.	DRAW.	CHECK
	CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION LOMAS BOULEVARD AND 14TH STREET BICYCLE CROSSING HORIZONTAL LAYOUT SURVEY CONTROL												
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL									MO./DAY/YR.		MO./DAY/YR.	
City Project No. COA 7703.22		Zone Map No. J13		Sheet		3-1							

ENGINEER'S SEAL	SURVEY INFORMATION		FIELD NOTES		BENCH MARKS	AS BUILT INFORMATION	
	NO.	BY	DATE			CONTRACTOR	
					COA GEODETIC CONTROL STATION "12-113 1983".	WORK STARTED BY	DATE
					3.25" ALUMINUM DISC SET IN TOP OF CURB GROUND 42.6' NORTH OF CENTERLINE ON LOMAS BOULEVARD AND 34.0' WEST OF CENTERLINE ON 14TH STREET.	ACCEPTANCE BY VERIFICATION BY DRAWINGS BY	DATE DATE DATE
					NM STATE PLANE COORDS. (NAD 83) N=1469275.084, E=157168.92 NAD80 88 ELEV. = 4957.502	RECORDED BY	DATE
						NO.	

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KEYED NOTES:

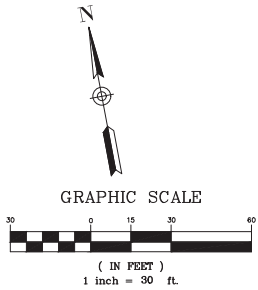
- ① BUILD MEDIAN CURB & GUTTER, SEE COA STD. DWG. 2415B.
- ② BUILD ASPHALT PAVEMENT, MATCH EXISTING PAVEMENT SECTION & PAVEMENT SLOPE. SEE SHEET 2-5 FOR DETAIL.
- ③ BUILD ~~TEXTURED~~ MEDIAN PAVEMENT, SEE COA STD. DWG. 240B. MATCH EXIST. COLOR & PATTERN.
- ④ SAWCUT LINE, MATCH EXISTING ASPHALT. SEE COA STD. DWG. 2465.
- ⑤ NEAT CUT LINE, MATCH EXISTING CURB & GUTTER AT NEAREST JOINT LOCATION.
- ⑥ EXISTING VALVE TO BE ADJUSTED, SEE SHEET 7-1 FOR EXISTING UTILITY PLAN.
- ⑦ EXISTING MANHOLE TO BE ADJUSTED, SEE SHEET 7-1 FOR EXISTING UTILITY PLAN.

GENERAL NOTES:

- 1. STATION AND OFFSETS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
- 2. SEE SURVEY CONTROL PLAN SHEET 3-1 FOR CENTERLINE OF CONSTRUCTION LAYOUT DATA.

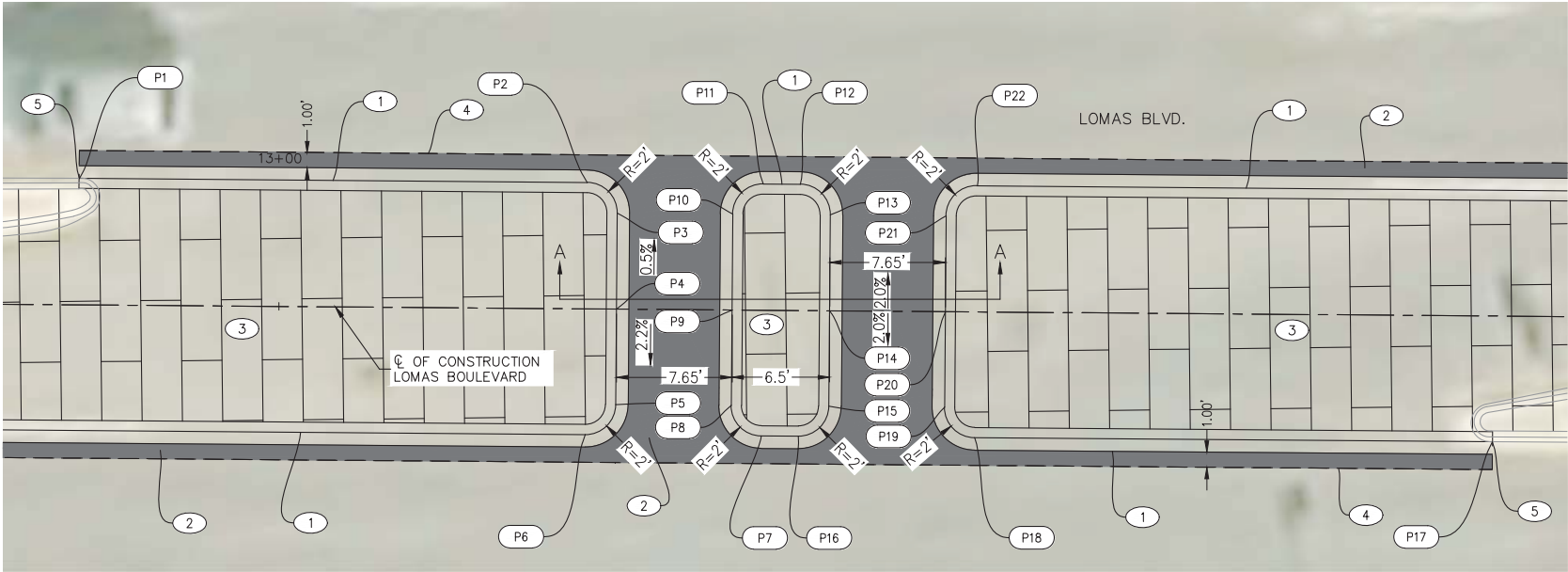
LEGEND:

- PROPOSED MEDIAN PAVEMENT.
- PROPOSED ASPHALT PAVEMENT.



		<small>WSP USA INC. 6100 LYNN BLVD. NE SUITE 700 ALBUQUERQUE, NM 87110 TEL: +1 505.881.5357 FAX: +1 505.811.7023</small>	
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION LOMAS BOULEVARD AND 14TH STREET BICYCLE CROSSING INTERSECTION PLAN			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 7703.22	Zone Map No. J13	Sheet	3-2

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	BY	DATE	CONTRACTOR	WORK	DATE	DATE
				COA GEODETIC CONTROL STATION "12-J13 1983"	STAKED BY		
				3.25" ALUMINUM DISC SET IN TOP OF CURB	ACCEPTED BY		
				GROUND 42.6' NORTH OF CENTERLINE ON LOMAS BOULEVARD AND 34.0' WEST OF CENTERLINE ON 14TH STREET.	VERIFICATION BY		
					DRAWINGS BY		
				MICRO-FILM INFORMATION			
				RECORDED BY		DATE	
				NO.			
				NM STATE PLANE COORDS. (NAD 83)			
				N=1489275.084, E=1517168.92			
				NAVD 88 ELEV. = 4957.502			



INTERSECTION DETAIL

KEYED NOTES:

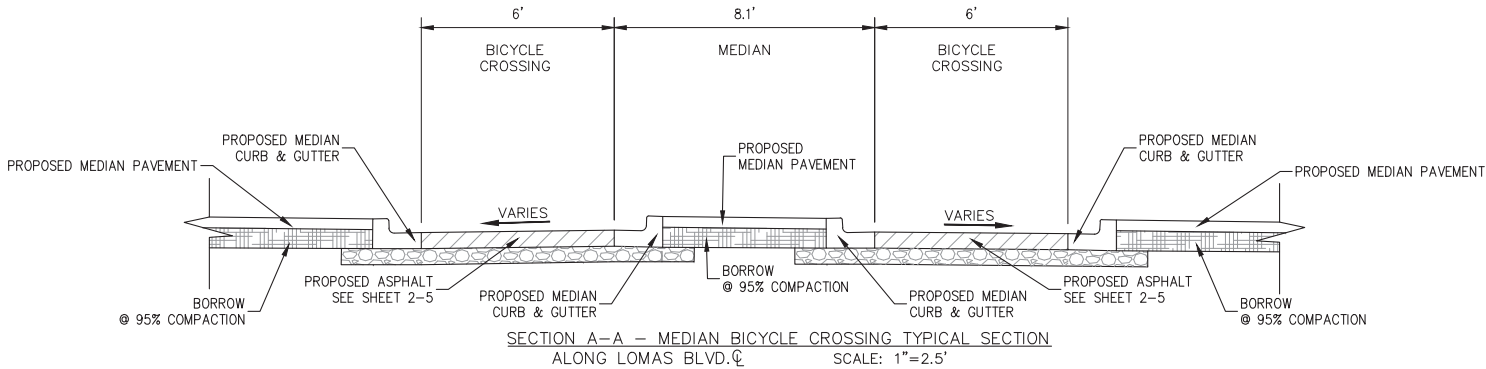
- BUILD MEDIAN CURB & GUTTER, SEE COA STD. DWG. 2415B.
- BUILD ASPHALT PAVEMENT, MATCH EXISTING PAVEMENT SECTION & PAVEMENT SLOPE. SEE SHEET 2-5 FOR DETAIL.
- BUILD ~~TEXTURED~~ MEDIAN PAVEMENT, SEE COA STD. DWG. 2408. MATCH EXIST. COLOR & PATTERN.
- SAWCUT LINE, MATCH EXISTING ASPHALT. SEE COA STD. DWG. 2465.
- NEAT CUT LINE, MATCH EXISTING CURB & GUTTER AT NEAREST JOINT LOCATION.

GENERAL NOTES:

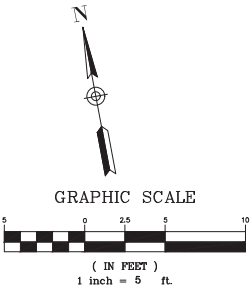
- STATION AND OFFSETS FOR CURB & GUTTER GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
- SEE SURVEY CONTROL PLAN SHEET 3-1 FOR CENTERLINE OF CONSTRUCTION LAYOUT DATA.

LEGEND:

- PROPOSED MEDIAN PAVEMENT.
- PROPOSED ASPHALT PAVEMENT.



POINT DATA				
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
P1	12+86.71	8.37' LT.	MATCH EXST. (4957.98)	FL CURB
P2	13+20.32	8.35' LT.	4957.81	PC FL CURB
P3	13+22.32	6.35' LT.	4957.82	PT FL CURB
P4	13+22.32	3.18' LT.	4957.86	FL CURB
P5	13+22.32	6.31' RT.	4957.71	PC FL CURB
P6	13+20.32	8.31' RT.	4957.60	PT FL CURB
P7	13+31.98	8.31' RT.	4957.81	PC FL CURB
P8	13+29.98	6.31' RT.	4957.82	PT FL CURB
P9	13+29.98	3.17' LT.	4957.96	FL CURB
P10	13+29.98	6.34' LT.	4957.93	PC FL CURB
P11	13+31.98	8.34' LT.	4957.91	PT FL CURB
P12	13+34.43	8.34' LT.	4957.87	PC FL CURB
P13	13+36.43	6.34' LT.	4957.87	PT FL CURB
P14	13+36.43	0.00'	4958.00	FL CURB
P15	13+36.43	6.31' RT.	4957.87	PC FL CURB
P16	13+34.43	8.31' RT.	4957.86	PT FL CURB
P17	13+80.35	8.32' RT.	MATCH EXST. (4958.02)	FL CURB
P18	13+46.09	8.31' RT.	4957.81	PC FL CURB
P19	13+44.09	6.31' RT.	4957.82	PT FL CURB
P20	13+44.09	0.00'	4957.95	FL CURB
P21	13+44.09	6.34' LT.	4957.82	PC FL CURB
P22	13+46.09	8.34' LT.	4957.79	PT FL CURB



wsp WSP USA INC. 8100 LYNN BLVD. NE SUITE 700 ALBUQUERQUE, NM 87110 TEL: +1 505.881.5357 FAX: +1 505.81.7023		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION LOMAS BOULEVARD AND 14TH STREET BICYCLE CROSSING INTERSECTION PLAN DETAILS	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. COA 7703.22	Zone Map No. J13	Sheet	3-3

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	DATE	CONTRACTOR	WORK	STATIONED BY	DATE
					COA GEODETIC CONTROL STATION "12-J13 1983"		
					3.25" ALUMINUM DISC SET IN TOP OF CURB		
					GROUND 42.6' NORTH OF CENTERLINE ON LOMAS		
					BOULEVARD AND 34.0' WEST OF CENTERLINE ON		
					14TH STREET.		
					NM STATE PLANE COORDS. (NAD 83)		
					N=1489275.084, E=1517168.92		
					NAVD 88 ELEV. = 4957.502		



1. ALL SIGNS SHALL MEET THE MINIMUM REQUIREMENTS SPECIFIED IN THE CITY OF ALBUQUERQUE DETAILS (SECTION 2900) AND THE CURRENT EDITION OF THE MUTCD (WITH REVISIONS).
2. EACH SIGN FACE SHOWN ON PLANS SHALL MEET THE SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITION) FOR PROPER ARRANGEMENT, SPACING OF LETTERS, LETTER HEIGHT, SYMBOLS AND BORDERS FOR THE SPECIFIED SIZE AND MESSAGE AS SHOWN ON PLANS.
3. THE CONTRACTOR SHALL CONTACT CITY OF ALBUQUERQUE PUBLIC WORKS PRIOR TO THE START OF CONSTRUCTION TO DETERMINE WHICH OF THE EXISTING PERMANENT SIGNS (THAT ARE SLATED TO BE REPLACED) WILL BE SALVAGED BY CITY OF ALBUQUERQUE. ALL OTHER SIGNS, POSTS AND SIGN BASES NOT IDENTIFIED FOR SALVAGE SHALL BE DISPOSED OF BY THE CONTRACTOR. ANY COSTS ASSOCIATED WITH THIS ACTIVITY SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO MEASUREMENT OF PAYMENT SHALL BE MADE.
4. ONLY 0.125 INCHES THICK ALUMINUM PANEL SIGNS ARE PERMITTED FOR WARNING AND REGULATORY SIGNS.
5. ANTI GRAFFITI COATING, WITH UV INHIBITOR, SHALL BE APPLIED ON ALL REGULATORY, WARNING, GUIDE AND PANEL SIGNS.
6. QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES USED.
7. POST LENGTHS ARE BASED ON A MINIMUM OF 5 FT FOR RURAL ROADWAY SECTIONS TO A MINIMUM OF 7 FT FOR URBAN AND INTERSTATE ROADWAY SECTIONS. THE LENGTHS ARE MEASURED FROM THE BOTTOM OF THE SIGN TO NEAR EDGE OF DRIVING LANE.
8. THE LATERAL CLEARANCE OF SIGNS SHALL BE NO CLOSER THAN 6 FT FROM THE EDGE OF SHOULDER OR 12 FT FROM THE EDGE OF TRAVELED WAY FOR RURAL AREAS AND NO CLOSER THAN 2 FT FROM FACE OF CURB FOR URBAN AREAS.
9. ALL SIGNING HARDWARE, INCLUDING BRACKETS, (FOR MOUNTING ALL STREET NAME SIGNS, W1-8-18 BACK TO BACK MOUNTING , ETC.) ARE CONSIDERED INCIDENTAL TO SIGN INSTALLATION. THEREFORE, NO PAYMENT WILL BE MADE.
10. THREE 4LB/FT SIGN POST INSTALLATION APPROVED ONLY IF THE SPAN BETWEEN THE OUTER POSTS EXCEEDS 84" (SIGN WIDTH OF 96" OR GREATER).
11. 3'-6" BASE POSTS ARE REQUIRED FOR ALL SMALL SIGN POSTS. SEE STANDARD DRAWING 701-02-1/3 FOR DETAILS.
12. SIGN POSTS SHALL BE SQUARE TUBING AS APPROVED BY THE PROJECT MANAGER.
13. CONTRACTOR SHALL FIELD VERIFY ALL SIGNING INFORMATION, TEXT, AND LOCATIONS PRIOR TO FABRICATION AND INSTALLATION. NEW SIGN LOCATIONS SHALL BE APPROVED BY THE PROJECT MANAGER.

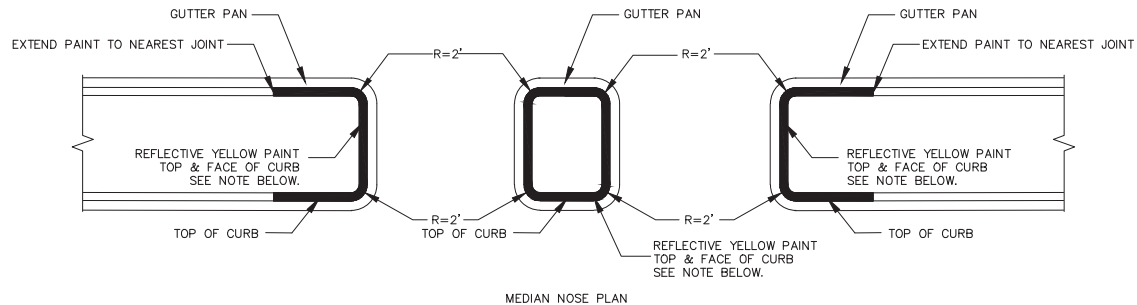
SIGNING AND STRIPING QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL
440.001	REFLECTORIZED PAINTED MARKING, CIP.	LF	95
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP.	LF	915
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LF	25
441.00X	REFLECTORIZED PAINTED MARKING, GREEN, CIP.	SF	160
443.101	REMOVAL OF PAVEMENT STRIPE, ANY WIDTH, PAINTED OR PLASTIC, COMPL.	LF	595
450.001	ALUMINUM PANNEL PANEL SIGNS, CIP	SF	40
450.010	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP	LF	100
450.101	SIGN, POST, & BASE POST, REMOVE & SALVAGE, COMPL.	EA	4

SIGN AND POST SCHEDULE									
SIGN CODE	NO. OF SIGNS	SIGN AREA (SQ. FT.)	TOTAL SIGN AREA (SQ. FT.)	CITY STANDARD POST					
				2" x 2" SQUARE TUBING POST (12 GA.)					
				POST LENGTHS (FT.)			BASE POSTS		
				LEFT	CTR.	RIGHT	TOTAL	NO. (3.5' HEIGHT)	TOTAL LENGTH (FT.)
SP-1-24	2	2.0	4.0		11.5		23.0	2	7.0
W11-1-30	1	6.3	6.3		*		*	*	
W16-7PL-24	1	2.0	2.0						
SP-1-24	1	2.0	2.0		11.5		11.5	1	3.5
SP-1-24	1	2.0	2.0		Mount on Light Pole				
W16-2P-24-200	1	3.0	3.0		11.0		11.0	1	3.5
R3-2-24	2	4.0	8.0		*		*	2	7.0
R6-1R-36	2	3.0	6.0		10.0		20.0	2	7.0
TOTAL			33.3	0.0	44.0	0.0	65.5		28.0
USE			40.0				70.0		30.0

* MOUNT SIGN ON SHARED POST/POLE

* MOUNT SIGN ON SHARED POST/POLE

3. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARDS, SPECIFICATIONS, STANDARD DETAILS (SECTION 2900) AND THE CURRENT EDITION OF THE MUTCD (WITH REVISIONS).
2. HOT THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON ALL STRIPING (LONG LINES, LEGENDS, SYMBOLS, ETC.). THE THERMOPLASTIC PAVEMENT MARKING SHALL BE APPLIED AT A THICKNESS OF 120 MIL.
3. WATER BLASTING IS THE ONLY APPROVED METHOD OF EXISTING STRIPE REMOVAL. THE USE OF BLACK PAINT AS A METHOD OF REMOVING OR COVERING EXISTING STRIPING IS STRICTLY PROHIBITED. 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 (2) TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED. THE CONTRACTOR SHALL SEAL ERADICATED STRIPE LOCATIONS WITH TACK COAT. THIS WORK WILL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
4. THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE PROJECT MANAGER.
5. 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 WILL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF THE 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. THIS WORK WILL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.
7. ALL LANE DIMENSIONS ARE FROM CENTER OF LANE STRIPE, CENTER OF DOUBLE LANE STRIPE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET ONE (1) FOOT CLEAR OF THE PAVEMENT CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
9. 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 THERMOPLASTIC STRIPING, AND 40°F FOR THE PLACEMENT OF RAISED PAVEMENT MARKERS (RPM'S).
10. THE PAVEMENT MARKINGS DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS AND STANDARDS WHEN INSTALLING STRIPING, PAVEMENT MARKINGS AND MARKERS.
11. VERTICAL CURBS AT RAMPS SHALL BE PAINTED YELLOW. THIS WORK WILL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFORE.



1. SALVAGE AND DISPOSAL OF SIGNS PER PERMANENT SIGNING GENERAL NOTE 3.
2. SIGN MOUNTING HARDWARE AND BRACKETS PER PERMANENT SIGNING GENERAL NOTE 3.
3. CLEANING AND REMOVAL OF DEBRIS FOR EXISTING SIGNS TO REMAIN.
4. SEAL ERADICATED STRIPING WITH TACK COAT PER PAVEMENT MARKING GENERAL NOTE 3.
5. AS-BUILT DRAWINGS PER PAVEMENT MARKING GENERAL NOTE 5.
6. LAYOUT OF PAVEMENT MARKINGS PER PAVEMENT MARKING GENERAL NOTE 6.
7. VERTICAL CURB YELLOW PAINT REQUIRED PER PAVEMENT MARKINGS GENERAL NOTE 11.

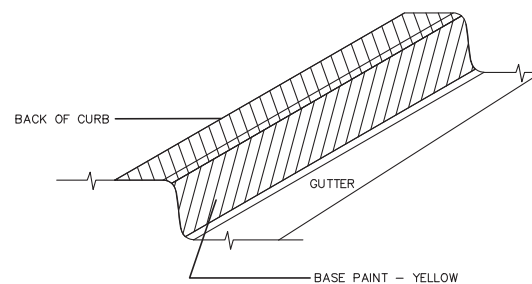


MEDIAN NOSE PROFILE

CURB MARKING TYPICAL DETAIL
NTS

NOTE:

TOP AND FACE OF MEDIAN CURB SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT FROM NOSE BACK 5' OR TO THE P.C., WHICH EVER IS GREATER.





NOTE:

CURB PAINTING BASE:
SHALL CONFORM TO THE REQUIREMENTS OF THE
CITY OF ALBUQUERQUE FOR TRAFFIC LINE PAINTS
USED ON CONSTRUCTION PROJECTS.
(COMBINATION ALKYD AND HYPALON - FAST DRY
TYPE)

PAINTED SURFACES SHALL INCLUDE THE FULL TOP OF CURB AND FACE OF CURB WITH NEAT FINISHED LINES, ALONG ALL SIDES

PAINTED CURB MARKING DETAIL
NTS

	WSP USA Inc. 6100 UPTOWN BLVD. NE SUITE 700 ALBUQUERQUE, NM 87110 TEL +1 505.861.5207 FAX +1 505.817.7602								
							NO.	DESIGN	DRAWN
								CHECK	



CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

ENGINEERING DIVISION

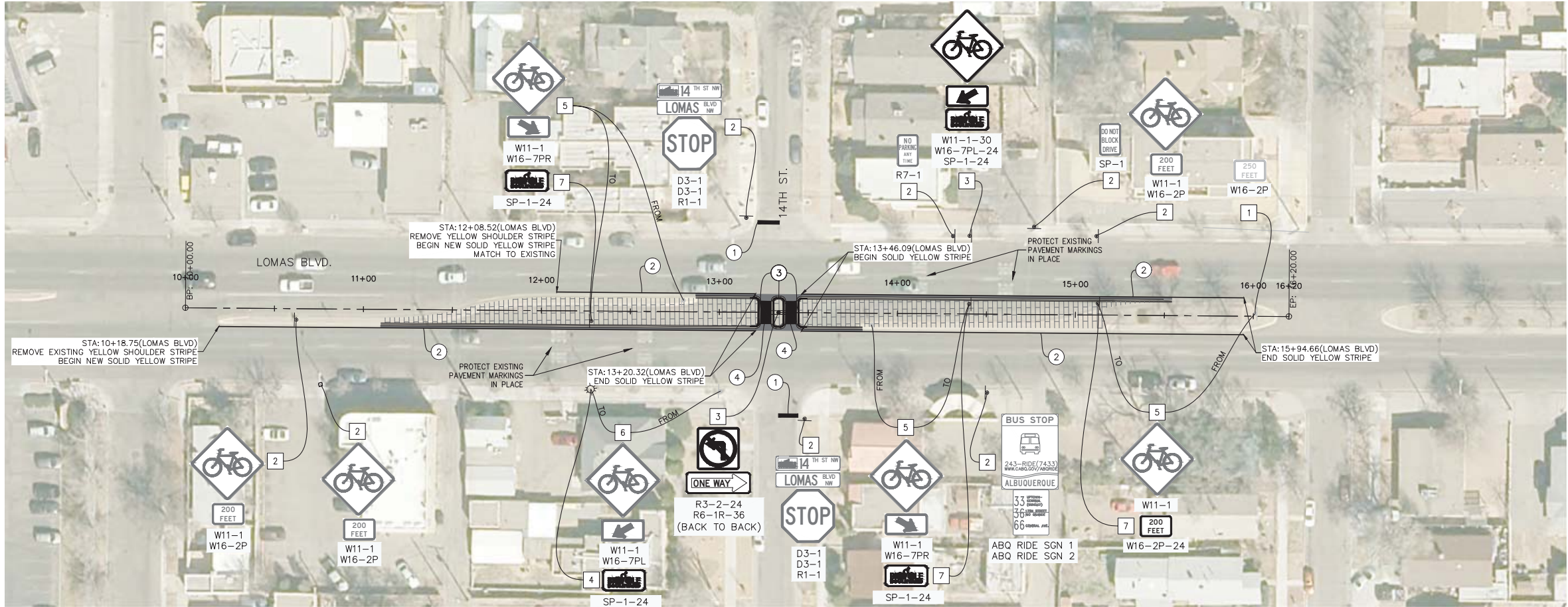
LOMAS BOULEVARD AND 14TH STREET

BICYCLE CROSSING

SIGNING AND STRIPING NOTES AND QUANTITIES

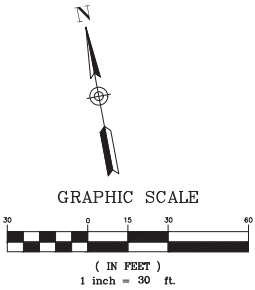
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MG./DAY/YR.	MG./DAY/YR.

City Project No. COA 7703.22	Zone Map No. J13	Sheet 5-1
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- ☐ SIGNING KEYED NOTES:
1. REMOVE AND SALVAGE EXISTING SIGN AND POST.
 2. EXISTING SIGN AND POST TO REMAIN.
 3. NEW SIGN AND POST.
 4. INSTALL NEW SIGN ON STREET LIGHT POST.
 5. REMOVE AND RESET EXISTING SIGN ON NEW POST. REMOVE AND SALVAGE EXISTING POST.
 6. REMOVE AND RESET EXISTING SIGN ON STREET LIGHT POLE. REMOVE AND SALVAGE EXISTING POST.
 7. NEW SIGN.
- ☐ STRIPING KEYED NOTES:
1. REMOVE AND REPLACE 24" SOLID WHITE RETROREFLECTORIZED THERMOPLASTIC STRIPE.
 2. REMOVE AND REPLACE 4" SOLID YELLOW RETROREFLECTORIZED THERMOPLASTIC STRIPE.
 3. YELLOW RETROREFLECTORIZED MEDIAN NOSE, SEE DETAIL ON SHEET 5-1.
 4. GREEN THERMOPLASTIC.

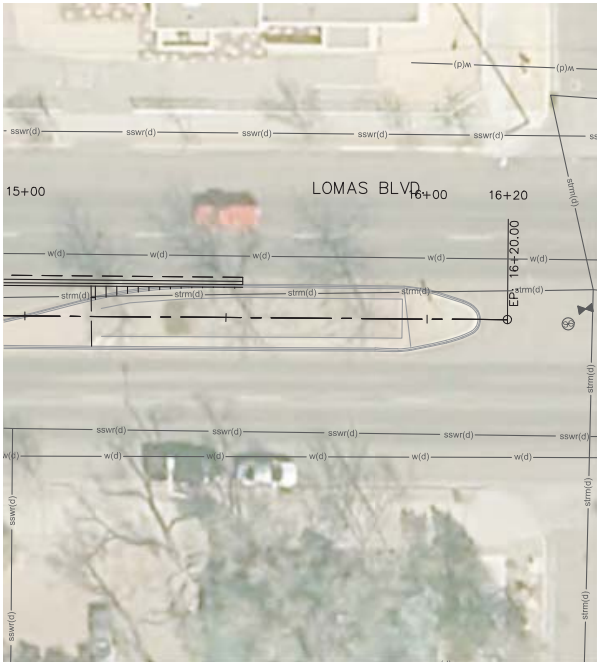
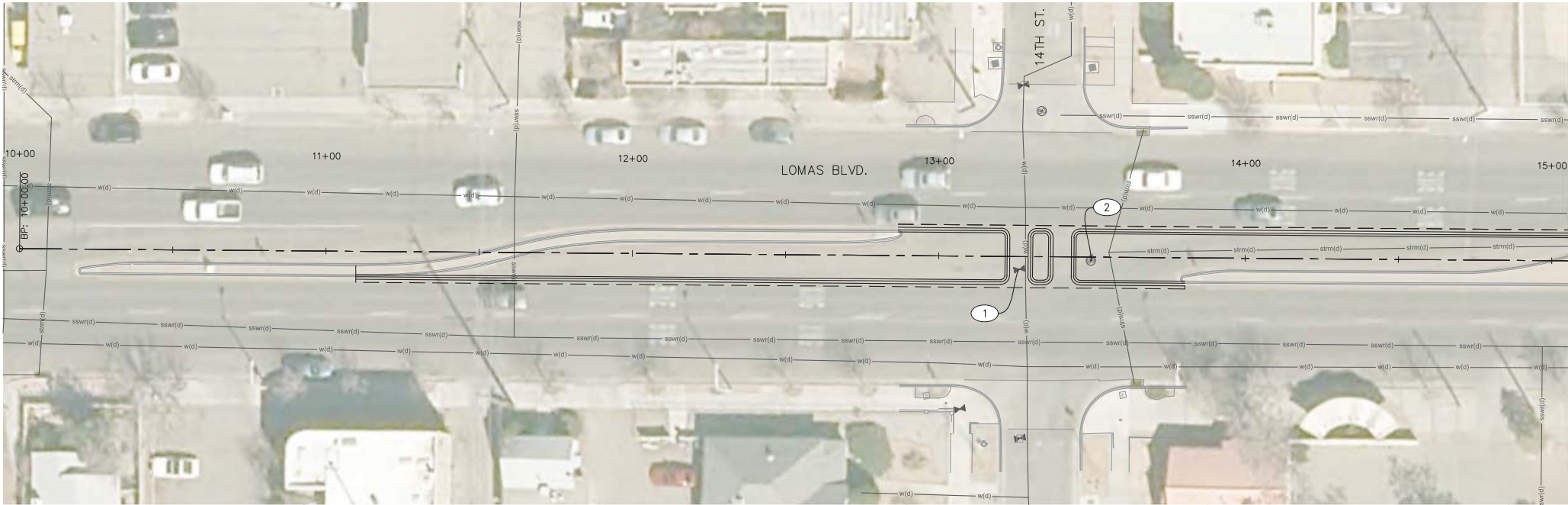
- LEGEND:
- PROPOSED MEDIAN PAVEMENT.
 - PROPOSED ASPHALT PAVEMENT.



wsp WSP USA, INC. 8100 LYNN BLVD. NE SUITE 700 ALBUQUERQUE, NM 87110 TEL: +1 505.881.5357 FAX: +1 505.81.7023	
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION LOMAS BOULEVARD AND 14TH STREET BICYCLE CROSSING SIGNING PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
City Project No. COA 7703.22	Zone Map No. J13
Sheet 5-2	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	BY	DATE	CONTRACTOR	WORK STAGED BY DATE	RECORD BY DATE	MICRO-FILM INFORMATION DATE
					COA GEODETIC CONTROL STATION "12-J13 1985". 3.25" ALUMINUM DISC SET IN TOP OF CURB GROUND 42.6' NORTH OF CENTERLINE ON LOMAS BOULEVARD AND 34.0' WEST OF CENTERLINE ON 14TH STREET.		
						NM STATE PLANE COORDS. (NAD 83) N=1489275.084, E=1517168.92	
						NAVD 88 ELEV. = 4957.502	



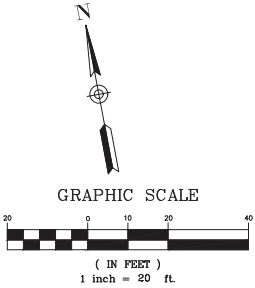


- LEGEND
- | | | | |
|--|------------------------|--|-------------------------|
| | ELECTRIC BOX | | WATER — ABCWUA |
| | WATER METER | | SANITARY SEWER — ABCWUA |
| | WATER VALVE | | STORM SEWER — ABCWUA |
| | FIRE HYDRANT | | |
| | SANITARY SEWER MANHOLE | | |

- KEYED NOTES:
- ADJUST WATER VALVE TO GRADE.
SEE COA STD DWG. 2460
 - ADJUST STORM DRAIN MANHOLE TO GRADE.
SEE COA STD DWG. 2460

- GENERAL NOTES:
- CAUTION — ALL EXISTING UTILITIES SHOWN REFLECT THE BEST INFORMATION AVAILABLE AND ARE APPROXIMATE ONLY. TWO (2)WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (PHONE NO.505-260-1990) FOR LOCATION OF EXISTING UTILITIES.

- UTILITY CONTACTS:
- | | | |
|-------------------|--|---|
| Bustamante, Clara | Office phone: (505) 697-4212
Office fax: 344-0091 | New Mexico Gas
4625 Edith Blvd. NE
Albuquerque, NM 87107 |
| Holbert, Mathew | Office phone: (303) 730-9732 | PNM — Electric Co. of NM
4201 Edith Blvd. NE
Albuquerque, NM 87107 |
| Mortus, Mike | Office phone: (505) 761-6252
Office fax: (505) 761-0599 | Comcast/XFINITY
Planning and Design Supervisor
4611 Montbel Place NE
Albuquerque, NM 87107 |
| Kniffin, Rosarito | Office phone: (505) 245-6374 | CENTURY LINK/QWEST
4301 Boga NE
Albuquerque, NM 87109 |
| Luna, Damian | Office phone: (505) 289-3031 | ABCWUA
P.O. Box 568
Albuquerque, NM 87103 |
- NEW MEXICO ONE CALL
SYSTEM CALL BEFORE YOU DIG
(505) 260-1990




WSP USA INC.
6100 LUTHER BLVD. NE
SUITE 700
ALBUQUERQUE, NM 87110
TEL: +1 505.861.5357
FAX: +1 505.81.7633

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
LOMAS BOULEVARD AND 14TH STREET
BICYCLE CROSSING
EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	
		MO./DAY/YR.	MO./DAY/YR.

City Project No. COA 7703.22	Zone Map No. J13	Sheet 7-1
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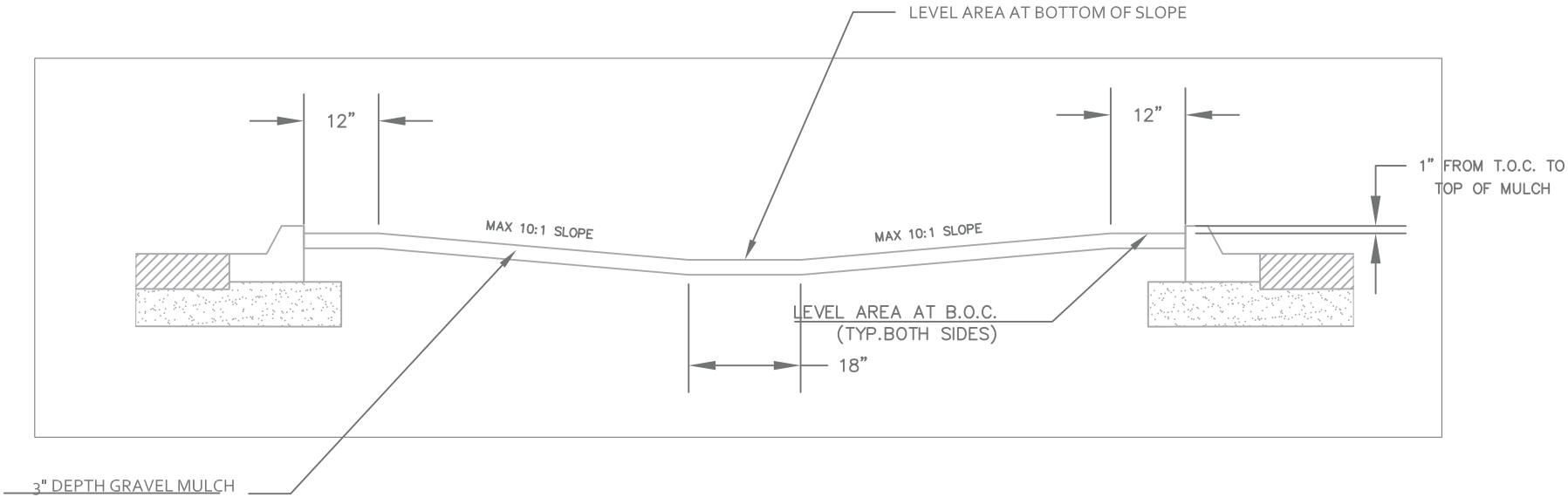
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	BY	DATE	CONTRACTOR		WORK STAGED BY DATE	DATE
				3.25" ALUMINUM DISC SET IN TOP OF CURB			
				GROUND 42.6' NORTH OF CENTERLINE ON LOMAS			
				BOULEVARD AND 34.0' WEST OF CENTERLINE ON			
				14TH STREET.			
				DRAWINGS BY		MICRO-FILM INFORMATION	DATE
				NM STATE PLANE COORDS. (NAD 83)			
				N=1489275.084, E=1517168.92			
				NAVD 88 ELEV. = 4957.502			

LANDSCAPE IRRIGATION PLAN

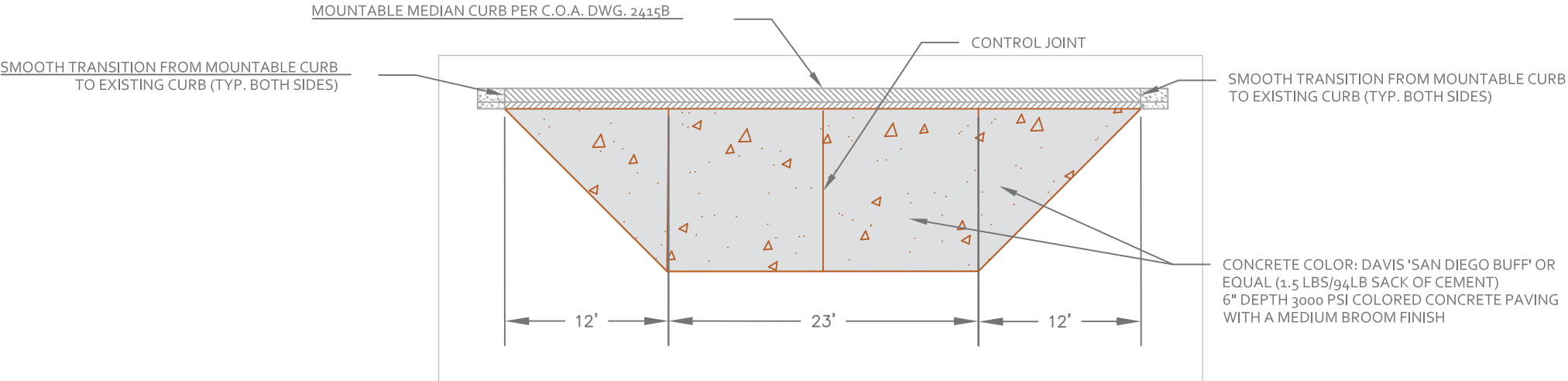
1. ALL DRAWINGS PRODUCED ARE FOR INFORMATIONAL PURPOSES ONLY. ACTUAL LOCATIONS IN THE FIELD SHALL BE VERIFIED BY THE CONTRACTOR AND CONFIRMED BY THE OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING IRRIGATION SYSTEM TO IDENTIFY LOCATIONS OF EXISTING PIPE TO BE TIED INTO OR CAPPED, AS SPECIFIED ON THE PLAN.
3. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL ACTIVATE THE EXISTING IRRIGATION SYSTEM TO ENSURE THAT IT IS IN PROPER WORKING ORDER. ACTIVATION AND REVIEW OF THE SYSTEMS SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. IF THE CONTRACTOR FINDS ANY DEFICIENCIES IN THE EXISTING IRRIGATION SYSTEM, THE CONTRACTOR SHALL DOCUMENT THE DEFICIENCIES AND SUBMIT TO THE OWNER'S REPRESENTATIVE FOR DIRECTION.
4. AFTER CONSTRUCTION COMPLETION, THE CONTRACTOR SHALL RE-ACTIVATE THE IRRIGATION SYSTEM TO ENSURE THAT THE SYSTEM IS IN PROPER WORKING ORDER. RE-ACTIVATION AND REVIEW OF THE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. IF THE CONTRACTOR FINDS ANY DEFICIENCIES IN THE EXISTING IRRIGATION SYSTEMS THAT WERE NOT DOCUMENTED PRIOR CONSTRUCTION, CONTRACTOR SHALL REPAIR OR REPLACE THE DAMAGED IRRIGATION AT NO EXPENSE TO THE OWNER.
5. CONTRACTOR SHALL PROTECT EXISTING IRRIGATION SYSTEM FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF DAMAGED, CONTRACTOR SHALL REPAIR OR REPLACE TO MATCH EXISTING.
6. WHERE SLEEVING IS SHOWN ON THE PLAN, INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT PIPE AND SLEEVES ARE INSTALLED AT PROPER DEPTHS AND PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVEMENT, SIDEWALKS, CONCRETE PADS, ETC.
7. FOR PVC IRRIGATION PIPING AND EQUIPMENT REFERENCE CITY OF ALBUQUERQUE SPECIFICATION SECTION 1001 - LANDSCAPE IRRIGATION.
8. BUBBLERS AT TREES SHALL BE LOCATED THREE FEET FROM THE CENTER OF THE TREE TRUNK AND EVENLY TRIANGULATED AROUND THE ROOT BALL. BUBBLERS AT SHRUBS SHALL BE LOCATED 18" FROM THE CENTER OF THE PLANT. BUBBLERS AT PERENNIALS SHALL BE LOCATED 12" FROM THE CENTER OF THE PLANT.
9. PROVIDE THREE 1.0 GPM BUBBLERS PER SHADE TREE.

PLANTING PLAN


1. EXISTING SOIL IN MEDIANS SHALL BE REMOVED TO A DEPTH OF 4" BELOW TOP OF CURB TO ACCOMMODATE PROPOSED GRAVEL.
2. A 3" DEPTH OF 1" SUBANGULAR GRAVEL WITH FILTER FABRIC UNDER SHALL BE INSTALLED THROUGHOUT THE LANDSCAPE AREAS.
3. FILTER FABRIC SHALL BE MIN. 4 OZ NON-WOVEN NEEDLE-PUNCHED POLYPROPYLENE (DEWITT OR EQUIVALENT). OVERLAP ENDS 3" AND TURN DOWN EDGES 6".
4. TREES SHALL BE INSTALLED PER COA STANDARD DRAWING 2714.



MEDIAN GRADING DETAIL



PARKING PAD DETAIL


CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: LOMAS BOULEVARD AND 14TH STREET 			



GENERAL NOTES

- 1. CONDUIT SHALL BE 2" SLEEVE CLASS 200 PVC. DEPTH OF BURY SHALL BE 28".
- 2. CONDUIT SHALL BE PLACED TO MATCH OFFSET OF EXISTING IRRIGATION SYSTEMS. PLACEMENT SHALL BE VERIFIED BY OWNER'S REPRESENTATIVE.



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: LOMAS BOULEVARD AND 14TH STREET BICYCLE CROSSING			
NOT FOR CONSTRUCTION	DESIGNED BY:		Mo./Day/Yr. 7/9/18
	REVIEWED BY:		
City Project No. 7703.22	Zone Map No. J -13	Sheet 2	Of 3