

CITY OF ALBUQUERQUE  
CONSTRUCTION PLANS

FAIR HEIGHTS BICYCLE  
BOULEVARD IMPROVEMENTS

COA Project 9043.05

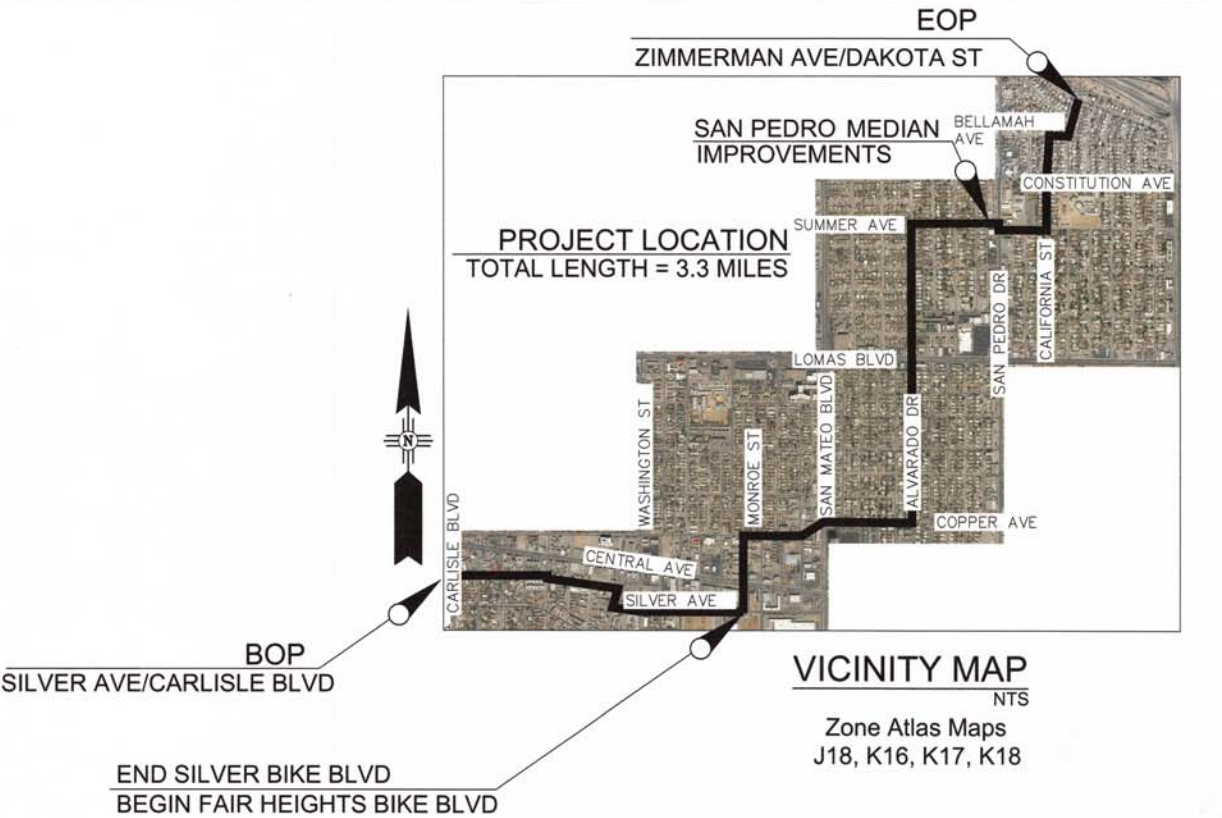


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ABCWUA ACCEPTANCE OF RECORD DRAWINGS

CONSTRUCTION ENGINEER

PRINT NAME \_\_\_\_\_  
DATE \_\_\_\_\_

REV.	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****		
	DRC Chairman	8/3/17		APPROVED FOR CONSTRUCTION		
	Transportation	8/3/17				
	Water/Wastewater	8/3/17				
	Hydrology	8/3/17				
	Parks	8/3/17				
Constr. Coord.				City Engineer Date 8/3/17		
Traffic Eng.						
AMAFCA						
PROJECT NO. 9043.05				SHEET 1 OF 33		



## GENERAL NOTES

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS THAT APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
3. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION ENGINEER.
5. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PUBLIC RIGHT-OF-WAY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
6. TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE TRANSIT DEPARTMENT OF ANY IMPACT THE PROPOSED PROJECT MAY HAVE ON THE TRANSIT SYSTEM SUCH AS CAUSING A DETOUR OR CAUSING THE CLOSURE OR RELOCATION OF A BUS STOP. THE CONTACT PERSON IS SHABIH RIZVI, OFFICE PHONE 505-724-3134, CELL PHONE 505-331-0253, AND EMAIL SRIZVI@CABQ.GOV AND/OR DOUGLAS GOFF, OFFICE PHONE 505-724-3137, CELL PHONE 505-206-0151, AND EMAIL DGOFF@CABQ.GOV.
7. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (E.G., BARRICADING, SURFACE DISTURBANCE).
9. ALL PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNING SHALL BE FURNISHED BY THE CONTRACTOR PER PLAN.
10. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DEPARTMENT PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
11. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
12. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
13. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.
14. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.

15. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, CURB RAMPS, SIGNAGE, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.
16. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES SHALL BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.652.
17. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
18. AN EXCAVATION/CONSTRUCTION PERMIT SHALL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
19. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE 9.
20. IF ANY EXISTING CITY TRAFFIC INFRASTRUCTURE IS DAMAGED AS PART OF THIS PROJECT WORK, THE CONTRACTOR SHALL REPAIR OR REPLACE IT PER CITY OF ALBUQUERQUE TRAFFIC REQUIREMENTS.
21. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT THE NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
22. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
23. 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 BARRICADING PERMIT FROM THE CONSTRUCTION SERVICES DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
24. ALL WORK AFFECTING ARTERIAL ROADWAYS MAY REQUIRE TWENTY-FOUR HOUR CONSTRUCTION.
25. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ RETROREFLECTIVE PLASTIC PAVEMENT MARKINGS BY THE CONTRACTOR AT THE SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
26. 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 ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

27. THE CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. THE CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
28. THE CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE, AND SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
29. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT [HTTP://WWW.ABCWUA.ORG/WATER SHUT OFF AND TURN ON PROCEDURE.ASPX](http://www.abcwua.org/water_shut_off_and_turn_on_procedure.aspx)
30. "R" VALUE. THE DESIGN "R" VALUE FOR THIS PROJECT IS 50. MATERIAL WITH AN "R" VALUE LESS THAN THE DESIGN "R" VALUE SHALL NOT BE PLACED IN OR AROUND THE TOP TWO (2) FEET OF THE FINISHED SUBGRADE.
31. BUSINESS ACCESS: 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 CITY ENGINEER.
32. INTERSECTION WORK: 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.
33. THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN FOR PEDESTRIAN IMPROVEMENTS TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INITIATING THIS WORK. THIS PLAN SHALL INCLUDE THE METHOD PROPOSED TO MAINTAIN PEDESTRIAN ACCESS TO BUSINESSES, SCHOOLS, HOSPITALS, BUILDINGS, ETC. THROUGHOUT THE PEDESTRIAN IMPROVEMENTS CONSTRUCTION IN PARTICULAR. THE CONTRACTOR, AT MINIMUM, SHALL MAINTAIN A 36" CLEAR PATH FOR PEDESTRIANS SO AS TO MEET ADA ACCESSIBILITY REQUIREMENTS.
34. AS-BUILTS: 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 AND WILL BE REVIEWED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED AND ACCEPTED BY THE PROJECT ENGINEER PRIOR TO FINAL PAYMENT.
35. NON-VIBRATORY ROLLER: THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35 TON MAXIMUM NON-VIBRATORY ROLLER 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.
36. EXISTING TIE-IN: 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 ENGINEER.
37. THE CONTRACTOR SHALL ENSURE THAT ALL WORK TAKES PLACES WITHIN THE EXISTING PUBLIC RIGHT-OF-WAY.
38. BIKE LOOP LOCATIONS, DIMENSIONS, AND SIZE OF WIRES SHALL BE VERIFIED BY THE CITY OF ALBUQUERQUE PROJECT MANAGER PRIOR TO INSTALLATION.

ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	REMARKS	FIELD NOTES		CONTRACTOR	WORKED BY	DATE
			NO.	BY			
					A COA STATION 2" BRASS DISK STAMPED "5-MGA" SET FLUSH WITH THE SIDEWALK LOCATED 108.9 FEET WEST OF THE EXTENSION OF THE COLUMBIA DRIVE CENTERLINE TO THE NORTH OF CENTRAL AVENUE, AND 41.3 FEET NORTH OF THE CENTRAL AVENUE CENTERLINE.		
DESIGNED BY	GWB	DATE	7/7/2006/7				
DRAWN BY	ZBT	DATE	7/7/2006/7				
CHECKED BY	NBA	DATE	7/7/2006/7				
				MICRO-FILM INFORMATION			
				RECORDED BY DATE			
				NO.			
				PROJECT COMBINED FACTOR=1.000331125			

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311



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
ENGINEERING DIVISION

TIDE:

FAIR  
CO



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Last Design Update


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Day

10.	
11.	
12.	
13.	
14.	

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112

280

City Project No. 9043.05

Zone Map No.  
J18,K16,K17,K18

Sheet	2	of	33
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GENERAL NOTES FOR PAVEMENT MARKINGS

1. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARDS AND SPECIFICATIONS AND THE CURRENT EDITION, WITH REVISIONS, OF THE MUTCD.
2. ALL REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTION 443 OF THE COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION. PAINTING OVER EXISTING DOES NOT CONSTITUTE APPROVED REMOVAL OR OBLITERATION.
3. 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 THEREFOR.
4. 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.
5. ALL LANE DIMENSIONS ARE FROM CENTER OF LANE STRIPE, CENTER OF DOUBLE LANE STRIPE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
6. THE FINAL LONGITUDINAL STRIPING SHALL BE 90 MIL (0.090") THICK PLASTIC RETROREFLECTIVE STRIPING PLACED OVER THE TEMPORARY STRIPING 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 OTHERWISE NOTED.
7. ALL FINAL TRANSVERSE MARKINGS SHALL BE 90 MIL (0.090") PLASTIC RETROREFLECTIVE STRIPING. ALL PAVEMENT ARROWS AND LEGENDS SHALL BE A RETROREFLECTIVE PREFORMED PLASTIC PAVEMENT MARKING.
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 (RPMs).
10. THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS AND STANDARDS WHEN INSTALLING STRIPING, PAVEMENT MARKINGS AND MARKERS.
11. 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.
3. THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE PROJECT MANAGER. STRIPING LAYOUT AND LOCATIONS SHALL BE VERIFIED BY THE CITY OF ALBUQUERQUE PROJECT MANAGER PRIOR TO INSTALLATION.
4. ON-STREET PARKING IS TO COMPLY WITH THE CITY OF ALBUQUERQUE PARKING STANDARDS. ON-STREET PARALLEL PARKING SHALL BE SPACED A MINIMUM OF 20' FROM ANY CURB RETURN OF AN ADJOINING STREET AND A MINIMUM OF 15' FROM ANY DRIVEWAY.

GENERAL NOTES FOR PERMANENT SIGNS




1. ALL NEW SIGNS SHALL MEET THE MINIMUM REQUIREMENTS SPECIFIED IN THE CURRENT EDITION, WITH REVISIONS, OF THE MUTCD.
2. ALL EXISTING SIGNS TO REMAIN, EXCEPT AS SHOWN ON PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
3. ANY SIGNS REQUIRED TO BE REMOVED AND RELOCATED SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR. ALL REMOVED SIGNS TO BE SALVAGED TO CITY OF ALBUQUERQUE PINO YARDS.
4. ALL EXISTING SIGNS SHALL BE CLEANED AND FREE OF GRAFFITI, DIRT, OR OTHER OBSTRUCTIONS. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR.
5. ANY EXISTING SIGNS CONFLICTING WITH THE NEW DESIGN OR OTHER SIGNS SHALL BE REMOVED AS DIRECTED BY THE PROJECT MANAGER.
6. CONTACT CITY OF ALBUQUERQUE TRAFFIC ENGINEERING AT 857-8000 FOR HANDLING ARRANGEMENTS OF EXISTING SIGNS THAT ARE INDICATED TO BE REMOVED AND SALVAGED.
7. UNLESS SPECIFIED OTHERWISE, ALL NEW SIGNS SHALL BE MOUNTED ON A SINGLE 12 GAUGE POST, AS MANUFACTURED BY TELESAR OR APPROVED EQUAL. POSTS SHALL BE SQUARE WITH DIMENSIONS AS FOLLOWS:  
1 1/2" X 1 1/2" NO PARKING SIGNS, BIKE LANE SIGNS  
2 3/4" X 2 3/4" ALL OTHER SIGNS
8. THE 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 RECOMMENDATION.
9. ALL NEW SIGNS SHALL, AT A MINIMUM, USE TYPE XI RETROREFLECTIVE SHEETING WITH GRAFFITI RESISTANT INKS OR COATING AS APPROVED BY THE PROJECT MANAGER.

NOTICE TO CONTRACTOR - PAVEMENT MARKINGS AND CURB PAINTING

1. ALL EXISTING STRIPING AND PAVEMENT MARKINGS THAT CONFLICT WITH NEW PLAN SHALL BE ERADICATED.
2. ALL MEDIAN NOSES SHALL BE PAINTED YELLOW PER THE DETAIL SHOWN ON SHEET 26.

INCIDENTAL ITEMS (TO CONSTRUCTION)

1. SIGN MOUNTING HARDWARE AND BRACKETS.
2. CLEANING AND REMOVAL OF DEBRIS FOR EXISTING SIGNS TO REMAIN PER SIGNING NOTE 4.
3. REMOVAL AND RELOCATION OF EXISTING SIGNS, PER SIGNING NOTE 3.




		CITY OF ALBUQUERQUE	
		DEPARTMENT OF MUNICIPAL DEVELOPMENT	
		ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGNING AND PAVEMENT MARKINGS GENERAL NOTES			
Design Review Committee	City Engineer Approval	Last Design Update	
			
City Project No.	Zone Map No.	Sheet	Of
9043.05	J18,K16,K17,K18	3	33

ENGINEERS SEAL				SURVEY INFORMATION				BENCH MARKS				AS-BUILT INFORMATION			
				NO.	BY	DATE		A COA STATION	2" BRASS DISK	STAMPED		CONTRACTOR			
								"S-K16A"	SET FLUSH WITH THE SIDEWALK			WORK STARTED BY			DATE
								LOCATED 108.9 FEET WEST OF THE EXTENSION				ASSISTED BY			DATE
								OF THE COLUMBIA DRIVE CENTERLINE TO THE				FIELD VERIFICATION BY			DATE
								NORTH OF CENTRAL AVENUE, AND 41.3				REVISIONS			DATE
								FEET NORTH OF THE CENTRAL AVENUE CENTERLINE.				CORRECTED BY			DATE
								DATUM NAD 83 N.M. STATE PLANE CENTRAL (GRID)				RECORDED BY			DATE
								N=1485016.971, E=1530495.993, ELEV.=5174.054				NO.			
								PROJECT COMBINED FACTOR=1.000331125							

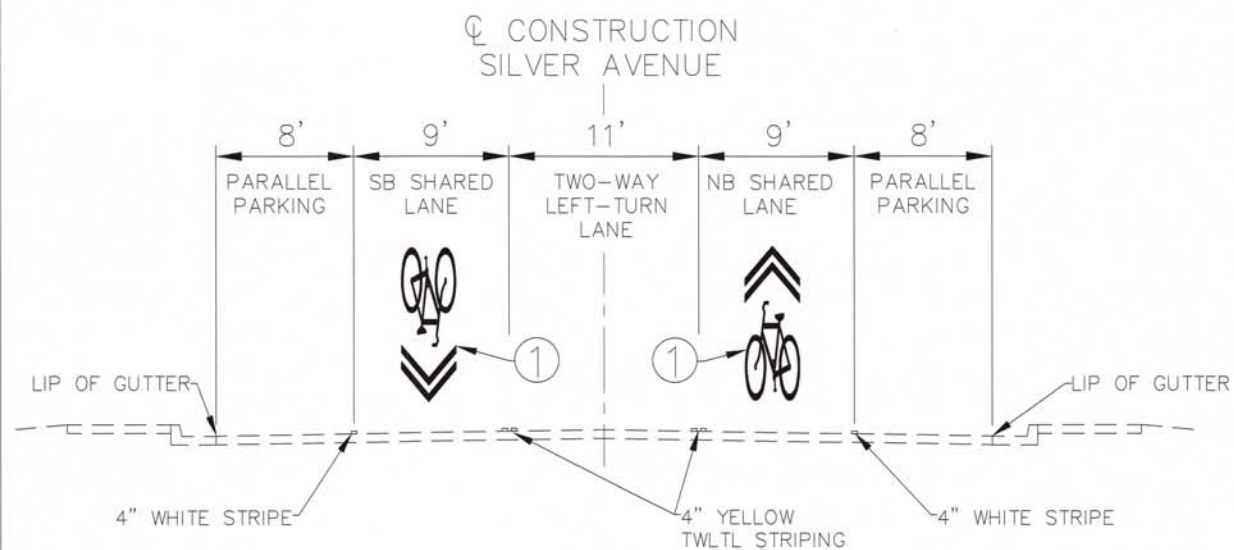


## SUMMARY OF QUANTITIES - FAIR HEIGHTS BIKE BOULEVARD

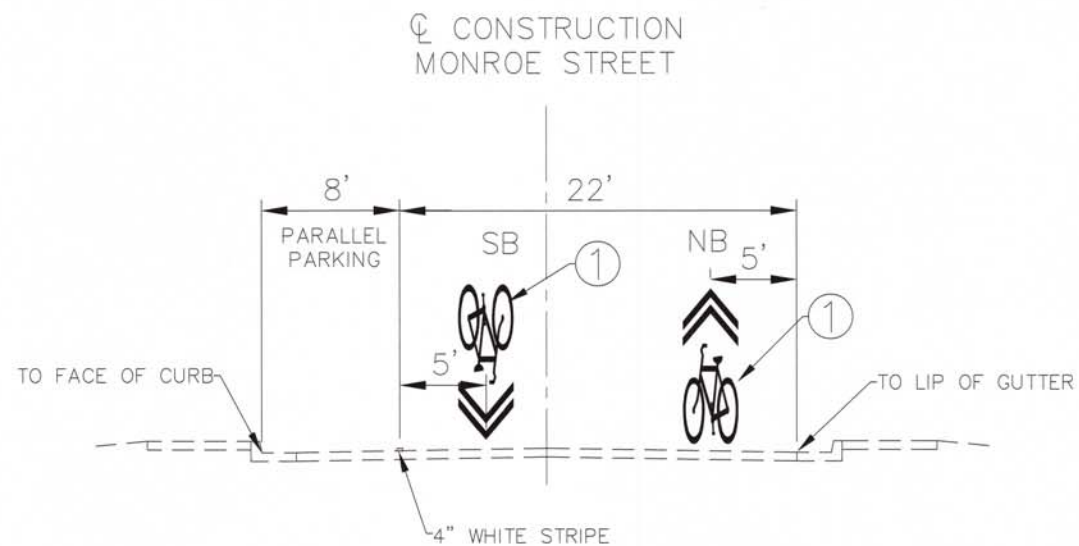
CITY ITEM NO.	DESCRIPTION	UNIT	QTY.
4.010	CONSTRUCTION STAKING, COMPL.	L.S.	3.0%
6.010	CONSTRUCTION PROJECT SIGN, PER CONTRACT SPECIAL PROVISIONS, CIP	EACH	2
6.050	CONSTRUCTION MOBILIZATION, COMPL.	L.S.	5.0%
6.060	CONSTRUCTION DEMOBILIZATION, COMPL.	L.S.	5.0%
19.010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.	L.S.	10.0%
301.02	SUBGRADE PREP, 12" AT 95% COMPACTION, CIP.	S.Y.	20
336.08	ASPHALT CONC., 2 INCH THICK, SUPERPAVE	S.Y.	20
336.12	TACK COAT, CATIONIC EMULSIFIED ASPHALT, CIP.	S.Y.	20
340.01	SIDEWALK, 4" THICK, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION, CIP.	S.Y.	35
340.06	CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, CIP	L.F.	125
340.11	HEADER CURB, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE, CIP.	L.F.	85
343.02	EXISTING PAVEMENT, ASPHALT CONCRETE, UP TO 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL.	S.Y.	135
346.11	MEDIAN PAVEMENT, 4" THICK, COLORED PC CONCRETE, INCL. SUBGRADE COMPACTION, CIP	S.F.	120
428.001	LOOP VEHICLE DETECTOR, CIP	EACH	4
428.022	DUCTED LOOP DETECTOR WIRE, CIP.	L.F.	275
428.050	LOOP LEAD-IN CABLE, CIP	L.F.	100
428.060	DETECTOR SAW CUT, COMPL.	L.F.	340
440.001	REFLECTORIZED PAINTED MARKING, CIP	LIN.FT.	1,200
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP	LIN.FT.	11,450
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP	LIN.FT.	2260
441.010	REFLECTORIZED PLASTIC ARROW, RIGHT, CIP	EACH	1
441.011	REFLECTORIZED PLASTIC ARROW, LEFT, CIP	EACH	3
441.013	REFLECTORIZED PLASTIC ARROW, THRU & RIGHT, CIP	EACH	1
441.020	REFLECTORIZED PLASTIC WORD, ONLY, CIP	EACH	1
441.0XX	REFLECTORIZED PLASTIC SYMBOL, SHARROW, CIP	EACH	64
441.0XX	REFLECTORIZED PLASTIC SYMBOL, COA BIKE BOULEVARD PAVEMENT MARKING, CIP	EACH	54
441.0XX	REFLECTORIZED PLASTIC PAVEMENT MARKING, GREEN BACKGROUND, CIP	SQ.FT.	1170
441.0XX	REFLECTORIZED PLASTIC SYMBOL, BIKE LANE PAVEMENT MARKINGS, CIP	EACH	4
441.0XX	RAISED PAVEMENT MARKER	EACH	6
443.101	REMOVAL OF PAVEMENT STRIPE, ANY WIDTH, PAINTED OR PLASTIC, COMPL	LIN.FT.	2,750
443.102	REMOVAL OF PAVMENT ARROW, SYMBOL, OR WORD, PAINTED OR PLASTIC, COMPL	EACH	10
450.001	ALUMINUM PANEL SIGN, CIP	SQ.FT.	2,125
450.010	SQUARE TUBE STEEL POSTS AND BASE POSTS FOR ALUMINUM PANEL SIGN, CIP	LIN.FT.	3,225
450.101	SIGN, POST & BASE POST, REMOVE AND SALVAGE, COMPL	EACH	80

		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION											
TITLE:		FAIR HEIGHTS BICYCLE BOULEVARD SUMMARY OF QUANTITIES											
Design Review Committee 	City Engineer Approval 	Last Design Update	<table border="1"> <thead> <tr> <th>No. / Day / Yr.</th> <th>No. / Day / Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	No. / Day / Yr.	No. / Day / Yr.								
No. / Day / Yr.	No. / Day / Yr.												
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18	Sheet 4	Of 33										





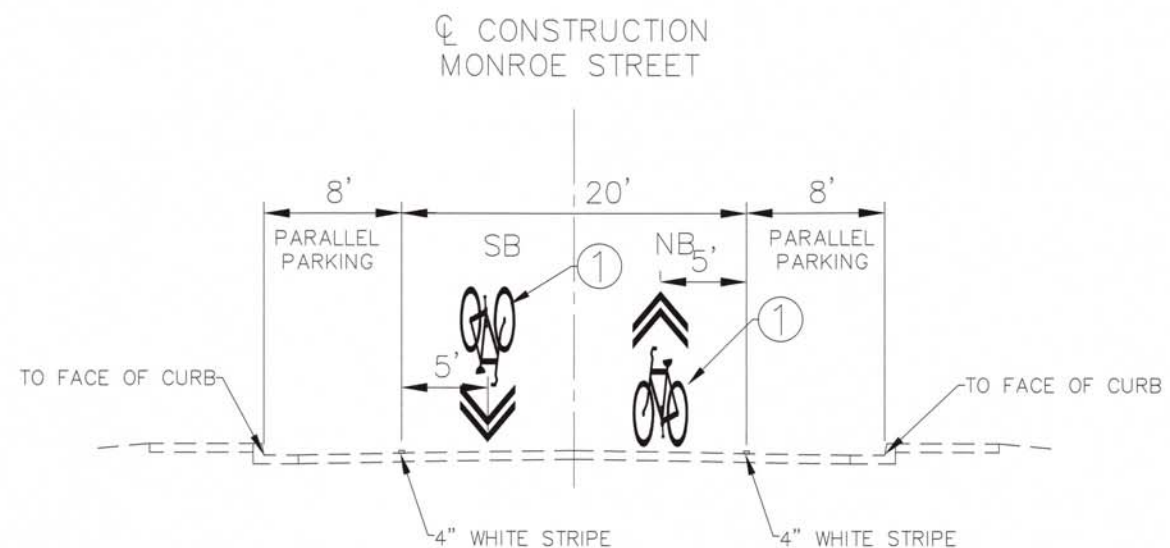
SILVER AVENUE  
PROPOSED TYPICAL SECTION  
WASHINGTON ST. TO MONROE ST.



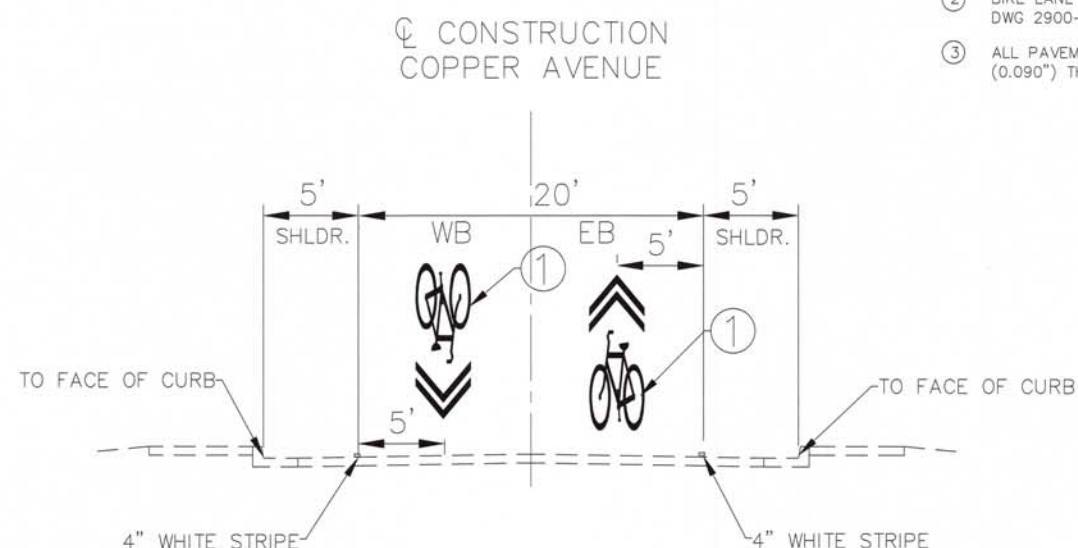
MONROE STREET  
PROPOSED TYPICAL SECTION  
SILVER AVE. TO CENTRAL AVE.

KEYED NOTES:

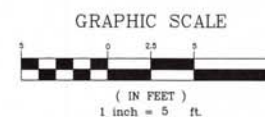
- ① SHARROW PAVEMENT MARKING OR COA BIKE BLVD PAVEMENT MARKING, AS PER PLANS
- ② BIKE LANE PAVEMENT MARKING (CITY STD DWG 2900-301)
- ③ ALL PAVEMENT STRIPING SHALL BE 90 MIL (0.090") THERMOPLASTIC



MONROE STREET  
PROPOSED TYPICAL SECTION  
CENTRAL AVE. TO COPPER AVE.



COPPER AVENUE  
PROPOSED TYPICAL SECTION  
MONROE ST. TO TRUMAN ST.



		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD PROPOSED TYPICAL SECTIONS			
Design Review Committee	City Engineer Approval	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No.	Zone Map No.	Sheet	Of
9043.05	J18,K16,K17,K18	5	33

AS BUILT INFORMATION			
CONTRACTOR	WORK STARTED BY	DATE	DATE
	WORK STOPPED BY	DATE	DATE
	FIELD ACCEPTANCE BY	DATE	DATE
	FIELD REVISIONS BY	DATE	DATE
	CORRECTED BY	DATE	DATE
MICRO-FILM INFORMATION			
	RECORDED BY	DATE	DATE
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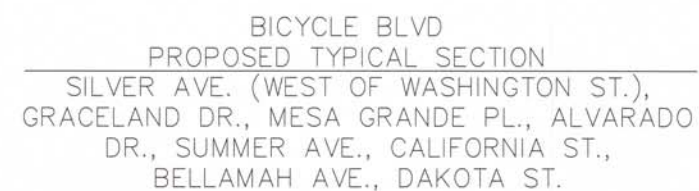
  

BENCH MARKS		SURVEY INFORMATION	
A COA STATION 2" BRASS DISK STAMPED	DATE	FIELD NOTES	BY
"5-KIA" SET FLUSH WITH THE SIDEWALK LOCATED 108.9 FEET WEST OF THE EXTENSION OF THE COLUMBIA DRIVE CENTERLINE TO THE NORTH OF CENTRAL AVENUE, AND 41.3 FEET NORTH OF THE CENTRAL AVENUE CENTERLINE. DATUM NAD 83 N.M. STATE PLANE CENTRAL (GRD) N=1485016.971, E=1530495.993, ELEV.=5174.054			

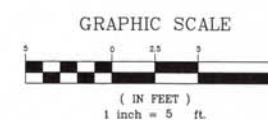
  




ENGINEER'S SEAL		REVISIONS	
		NO.	DATE
		1	7/2017
		2	7/2017
		3	7/2017



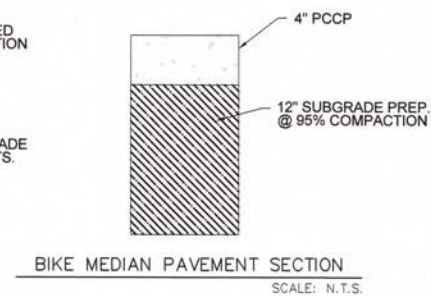
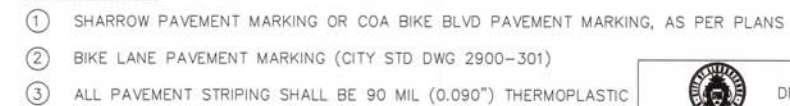


- ① SHARROW PAVEMENT MARKING OR COA BIKE BLVD PAVEMENT MARKING, AS PER PLANS
- ② BIKE LANE PAVEMENT MARKING (CITY STD DWG 2900-301)
- ③ ALL PAVEMENT STRIPING SHALL BE 90 MIL (0.090") THERMOPLASTIC



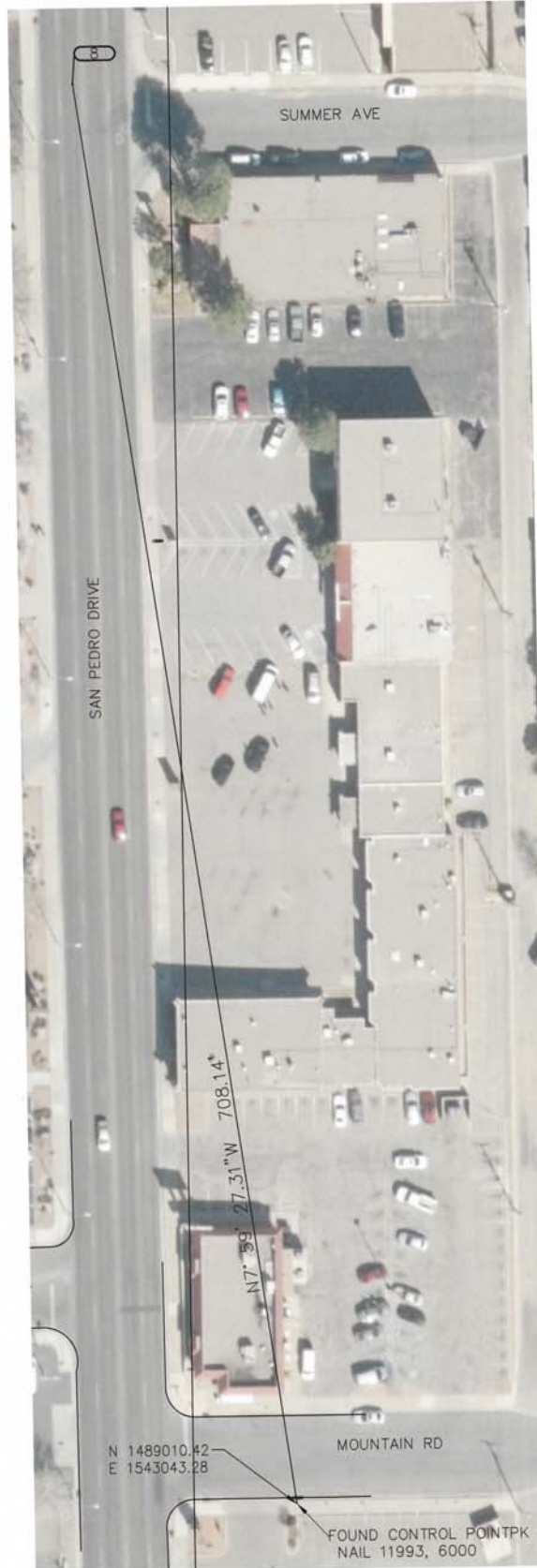
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TITLE:		FAIR HEIGHTS BICYCLE BOULEVARD PROPOSED TYPICAL SECTIONS			
Design Review Committee		City Engineer Approval		No. / Day / Yr.	
				No. / Day / Yr.	
				No. / Day / Yr.	
				No. / Day / Yr.	
				No. / Day / Yr.	
				No. / Day / Yr.	
City Project No.		Zone Map No.		Sheet	
9043.05		J18,K16,K17,K18		6 of 33	



[illegible]




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E 1541694.87  
FOUND AGRS MONUMENT  
(FND\_ACS 18\_H18)



N 1495653.40  
E 1544338.90  
FOUND AGRS MONUMENT  
(FND\_ACS 16\_18)

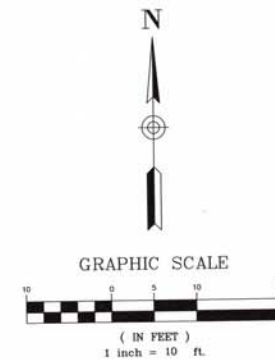
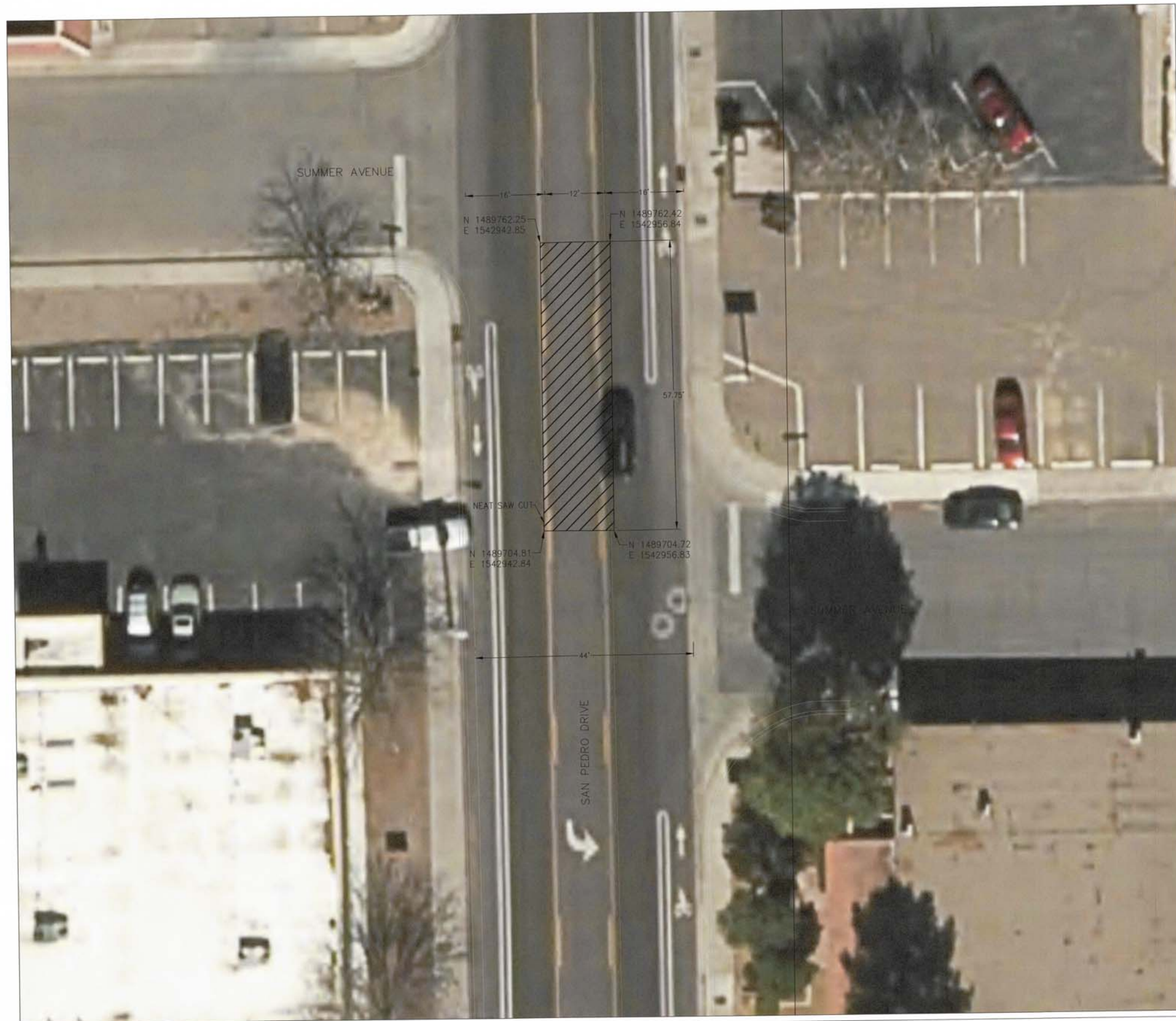
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CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SURVEY CONTROL PLAN			
Design Review Committee	City Engineer Approval	No. / Day / Yr.	
City Project No.	Zone Map No.	Sheet	Of
9043.05	J18,K16,K17,K18	8	33

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES		A COA STATION 2" BRASS DISK STAMPED "S-K16A" SET FLUSH WITH THE SIDEWALK LOCATED 108.9 FEET WEST OF THE EXTENSION OF THE COLUMBIA DRIVE CENTERLINE TO THE NORTH OF CENTRAL AVENUE, AND 41.3 FEET NORTH OF THE CENTRAL AVENUE CENTERLINE. DATUM NAD 83 N.M. STATE PLANE CENTRAL (GRID) N=1485016.971, E=1530495.993, ELEV.=5174.054 PROJECT COMBINED FACTOR=1.000331125		CONTRACTOR	
REVISIONS		DATE		STARTED BY		DATE	
DESIGN		7/2017		INSPECTED BY		DATE	
CHECKED BY		DATE		REVISION BY		DATE	
DRAWN BY		DATE		CORRECTED BY		DATE	
MICRO-FILM INFORMATION		RECORDED BY		NO.		DATE	








NOTES:

1. FIELD LOCATE - SAWCUT PAVEMENT 1' BEYOND EDGE OF EXISTING NORTHBOUND AND SOUTHBOUND LANES.
2. PAVEMENT SHALL BE SAW CUT TO A NEAT LINE PRIOR TO REMOVAL.

LEGEND:

-  REMOVE & DISPOSE EX. ASPHALT PAVEMENT

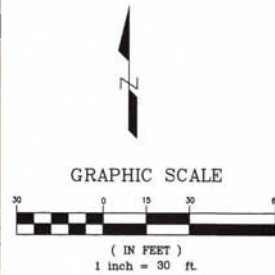
		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SUMMER/SAN PEDRO REMOVALS PLAN			
Design Review Committee	City Engineer Approval	No. / Day / Yr.	
			
City Project No.	Zone Map No.	Sheet	Of
9043.05	J18,K16,K17,K18	9	33

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	CONTRACTOR	WORK BY	DATE
				ACCEPTANCE BY	DATE
				VERIFICATION BY	DATE
				DRAWING BY	DATE
				RECORDING BY	DATE
				PROJECT COMBINED FACTOR=1.000331125	









KEYED NOTES:

- 1 BICYCLE SYMBOL PVMT MARKING, DETAIL SHT. 26
- 2 REPLACE STREET NAME SIGN(S), REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S), REPLACE EXISTING STOP SIGN
- 3 4" DOUBLE SOLID YELLOW STRIPE
- 4 REMOVE AND SALVAGE EXISTING SIGN POST AND REPLACE WITH 12.5' POST
- 5 YELLOW REFLECTIVE MEDIAN NOSE
- 6 REPLACE STREET NAME SIGN(S) LOCATED ON MASTARM, REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S)

KEYED NOTES (CONT):

- 7 REPLACE STOP SIGN/SALVAGE OLD SIGN
- 8 SHARROW, DETAIL SHT. 26
- 9 SHARROW (RIGHT TURN), DETAIL SHT. 26
- 10 SHARROW (LEFT TURN), DETAIL SHT. 26
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- 12 ERADICATE STOP BAR
- 13 BIKE DET PVMT MKG ON GREEN BIKE BOX, DET. SHT. 26
- 14 24" WHITE STOP BAR
- 15 SHARROW (ANGLED RIGHT), DETAIL SHT. 26
- 16 SHARROW (ANGLED LEFT), DETAIL SHT. 26




KEYED NOTES (CONT):

- 17 REMOVE AND SALVAGE STOP SIGN AND POST
- 18 REMOVE AND SALVAGE "ALL WAY" PLAQUE ON STOP SIGN
- 19 REMOVE AND SALVAGE STREET NAME SIGN AND POST
- 20 RELOCATE STREET NAME SIGNS TO NW QUADRANT OF INTERSECTION
- 21 CONTINENTAL-STYLE CROSSWALK, STD. DWG. 2900-106
- 22 4" SOLID WHITE STRIPE, SPACING FOR DIAGONAL LINES
- 23 ERADICATE PAVEMENT MARKING
- 24 LEFT-TURN ARROW PAVEMENT MARKING
- 25 PAVEMENT MARKING, WORD "ONLY"
- 26 PAINT CURB YELLOW
- 27 4" SOLID YELLOW STRIPE
- 28 DASHED YELLOW STRIPE 3' STRIPE 9' GAP

SEE SHT. 5 FOR PAVEMENT STRIPE DETAILS ON SILVER AVE. EAST OF WASHINGTON ST.

NOTE:

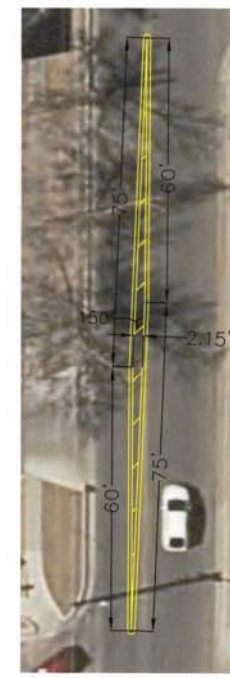
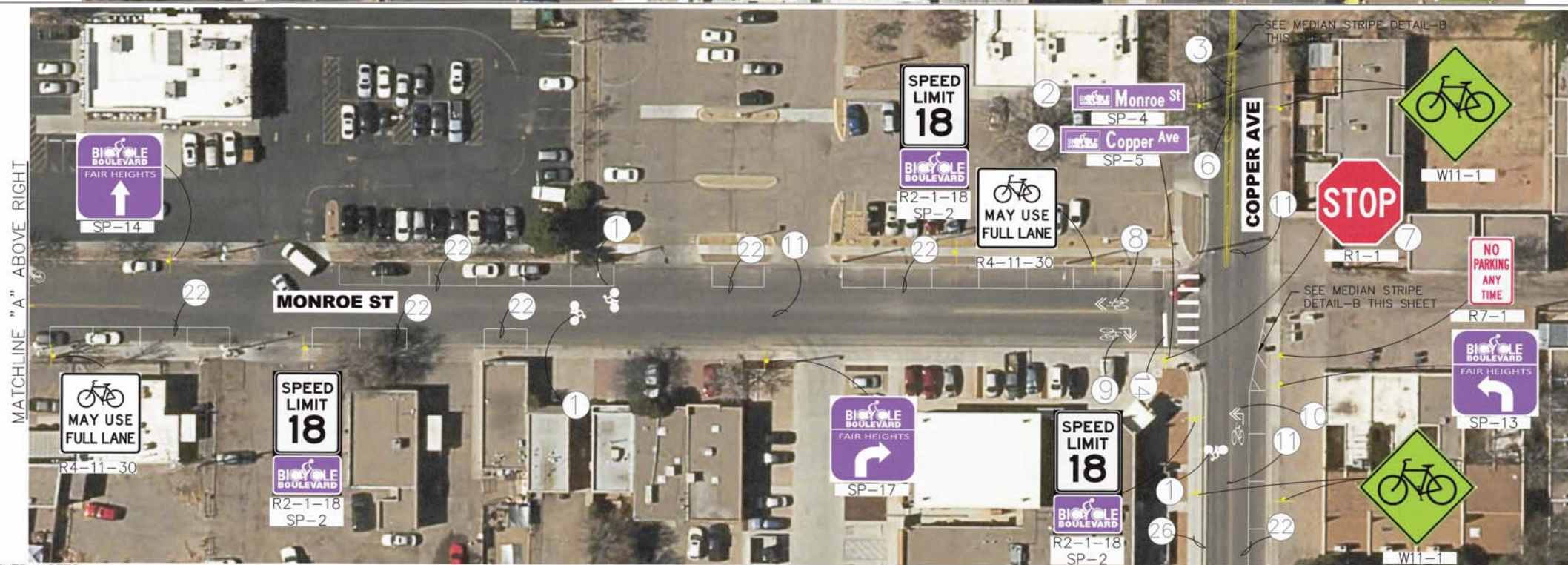
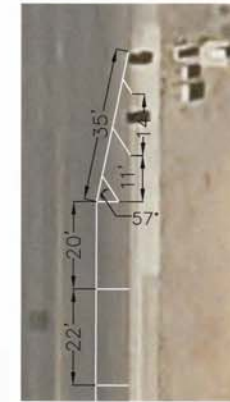
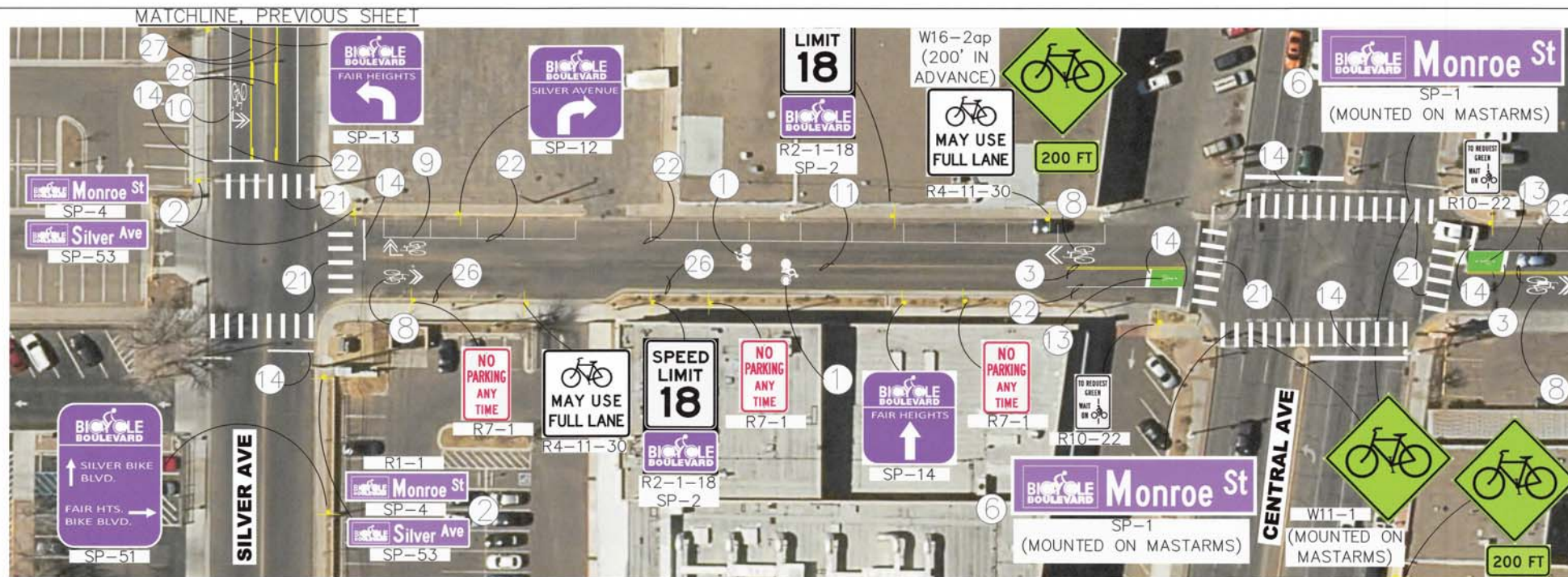
- 1.) EX. SPEED LIMIT SIGNS IN CONFLICT WITH NEW 18 MPH SPEED LIMIT SIGNS SHALL BE REMOVED AND SALVAGED TO PINO YARD.
- 2.) CONTRACTOR TO WATER BLAST CURB IF EXISTING CURB IS PAINTED.

		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGNING AND PAVEMENT MARKINGS PLANS			
Design Review Committee  AUG 03 2017 DESIGN REVIEW COMMITTEE	City Engineer Approval  AUG 03 2017 CITY ENGINEER	Last Design Update	
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18	Sheet 11	Of 33

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	DATE	CONTRACTOR	DATE
				WORK STARTED BY	DATE
				WORK STOPPED BY	DATE
				FIELD ACCEPTANCE BY	DATE
				DESIGNED BY	DATE
				DRAWN BY	DATE
				CHECKED BY	DATE
				RECORDED BY	DATE
				NO.	
				PROJECT COMBINED FACTOR=1.00033125	

ENGINEERS SEAL		REVISIONS	
		NO.	DATE
		1	7/2017
		2	7/2017
		3	7/2017





KEYED NOTES:

- 1 BICYCLE SYMBOL PVMT MARKING, DETAIL SHT. 26
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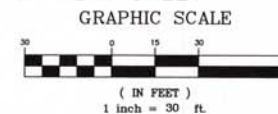
KEYED NOTES (CONT):

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- 8 SHARROW, DETAIL SHT. 26
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KEYED NOTES (CONT):

- 17 REMOVE AND SALVAGE STOP SIGN AND POST
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- 25 PAVEMENT MARKING, WORD "ONLY"
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MATCHLINE "B" TOP OF NEXT SHEET



- NOTE:
- 1.) EX. SPEED LIMIT SIGNS IN CONFLICT WITH NEW 18 MPH SPEED LIMIT SIGNS SHALL BE REMOVED AND SALVAGED TO PINO YARD.
  - 2.) CONTRACTOR TO WATER BLAST CURB IF EXISTING CURB IS PAINTED.

		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGNING AND PAVEMENT MARKINGS PLANS			
Design Review Committee  City Project No. 9043.05	City Engineer Approval  Zone Map No. J18,K16,K17,K18	No. / Day / Yr. 12 / 33	No. / Day / Yr. 12 / 33



NO.	DATE	REVISIONS	BY
1	7/2017	DESIGN	CEB
2	7/2017		ZST
3	7/2017		NA



MATCHLINE "B" BOTTOM OF PREVIOUS SHEET



MATCHLINE "C" BELOW LEFT

KEYED NOTES:

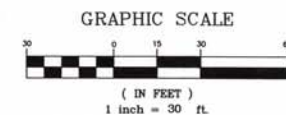
- 1 BICYCLE SYMBOL PVMT MARKING, DETAIL SHT. 26
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- 16 SHARROW (ANGLED LEFT), DETAIL SHT. 26
- 17 REMOVE AND SALVAGE STOP SIGN AND POST
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- 25 PAVEMENT MARKING, WORD "ONLY"
- 26 PAINT CURB YELLOW
- 27 BICYCLE CROSSWALK MARKING, DETAIL SHT. 14
- 28 SHARED TROUGH/RIGHT TURN ARROW PAVEMENT MARKING
- 29 THOUGH ARROW PAVEMENT MARKING

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	CONTRACTOR	WORK	DATE
				BY	
				INSPECTION BY	
				FIELD	
				REVISION BY	
				DATE	
				DATE	
				DATE	
				DATE	
				DATE	
				DATE	
				DATE	

MATCHLINE "C" ABOVE RIGHT



- NOTE:
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CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGNING AND PAVEMENT MARKINGS PLANS	
Design-Review-Committee AUG 03 2017 DESIGN REVIEW COMMITTEE	City-Engineer-Approval AUG 03 2017 CITY ENGINEER
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18
Sheet 13	Of 33



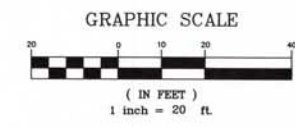
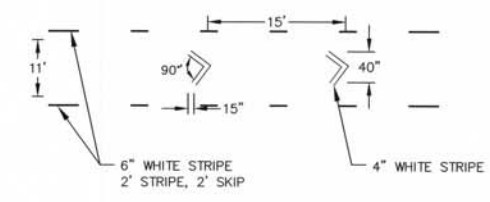


- KEYED NOTES:
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  - ② REPLACE STREET NAME SIGN(S), REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S), REPLACE EXISTING STOP SIGN
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  - ㉘ SHARED TROUGH/RIGHT TURN ARROW PAVEMENT MARKING
  - ㉙ THOUGH ARROW PAVEMENT MARKING
  - ㉚ RIGHT-TURN ARROW PAVEMENT MARKING

NOTE:

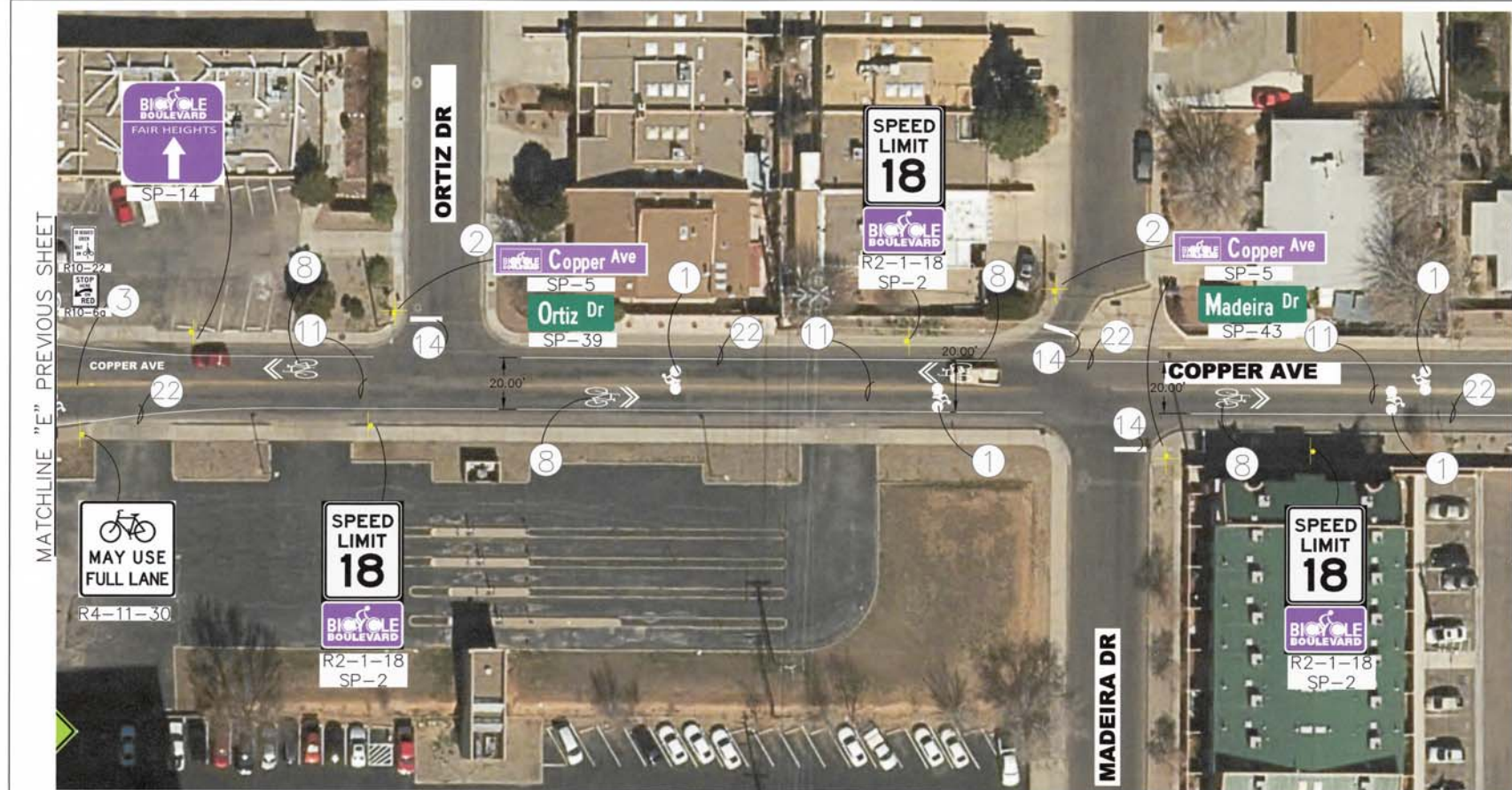
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BICYCLE CROSSWALK MARKING DETAIL



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGNING AND PAVEMENT MARKINGS PLANS	
Design Review Committee APPROVED AUG 03 2017 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 03 2017 CITY ENGINEER
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18
Sheet 14	Of 33





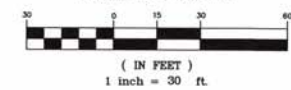
# KEYED NOTES:

1. BICYCLE SYMBOL PVMT MARKING, DETAIL SHT. 26
2. REPLACE STREET NAME SIGN(S), REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S), REPLACE EXISTING STOP SIGN
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6. REPLACE STREET NAME SIGN(S) LOCATED ON MASTARM, REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S)
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18. REMOVE AND SALVAGE "ALL WAY" PLAQUE ON STOP SIGN
19. REMOVE AND SALVAGE STREET NAME SIGN AND POST
20. RELOCATE STREET NAME SIGNS TO NW QUADRANT OF INTERSECTION
21. CONTINENTAL-STYLE CROSSWALK, STD. DWG. 2900-106
22. 4" SOLID WHITE STRIPE, SPACING FOR DIAGONAL LINES
23. ERADICATE PAVEMENT MARKING
24. LEFT-TURN ARROW PAVEMENT MARKING
25. PAVEMENT MARKING, WORD "ONLY"
26. PAINT CURB YELLOW
27. BICYCLE CROSSWALK MARKING, DETAIL SHT. 14
28. SHARED TROUGH/RIGHT TURN ARROW PAVEMENT MARKING
29. THOUGH ARROW PAVEMENT MARKING

## NOTE:

- 1.) EX. SPEED LIMIT SIGNS IN CONFLICT WITH NEW 18 MPH SPEED LIMIT SIGNS SHALL BE REMOVED AND SALVAGED TO PINO YARD.
- 2.) CONTRACTOR TO WATER BLAST CURB IF EXISTING CURB IS PAINTED.

## GRAPHIC SCALE



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
ENGINEERING DIVISION

TITLE: FAIR HEIGHTS BICYCLE BOULEVARD  
SIGNING AND PAVEMENT MARKINGS PLANS



City Project No. 9043.05 Zone Map No. J18,K16,K17,K18 Sheet 15 of 33

AS-BUILT INFORMATION			
CONTRACTOR	WORK BY	DATE	DATE
INSPECTOR'S	ACCEPTANCE BY	DATE	DATE
DESIGNED BY	DESIGNED BY	DATE	DATE
DRAWN BY	DRAWN BY	DATE	DATE
CHECKED BY	CHECKED BY	DATE	DATE
MICRO-FILM INFORMATION			
RECORDED BY	RECORDED BY	DATE	DATE
NO.	NO.	NO.	NO.
PROJECT COMBINED FACTOR=1.000331125			

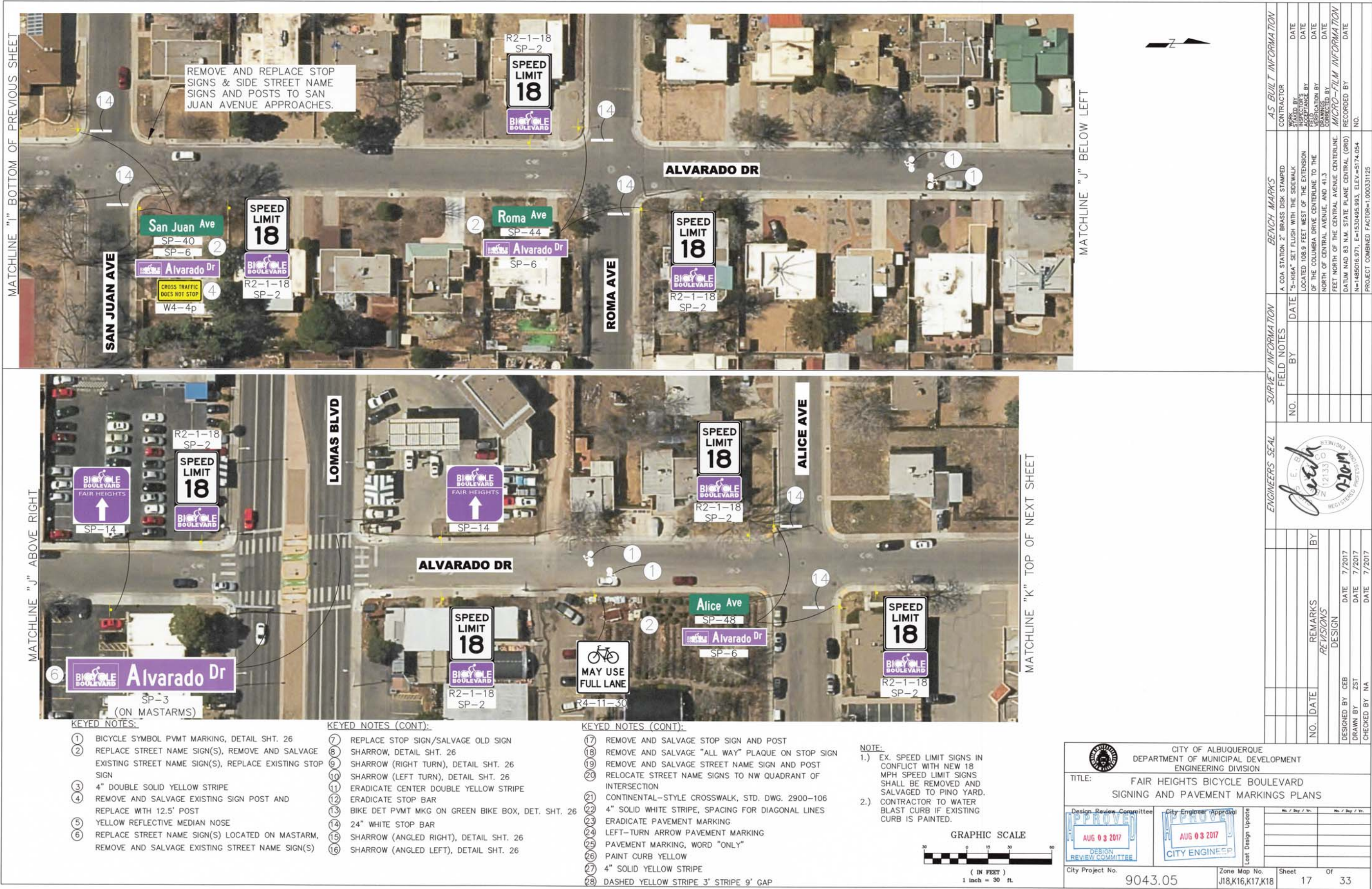


SURVEY INFORMATION			
NO.	BY	DATE	DATE
FIELD NOTES			
REVISIONS			
NO.	DATE	REMARKS	BY
DESIGN			
DESIGNED BY	CEB	DATE	7/2017
DRAWN BY	ZST	DATE	7/2017
CHECKED BY	NA	DATE	7/2017









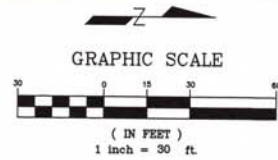
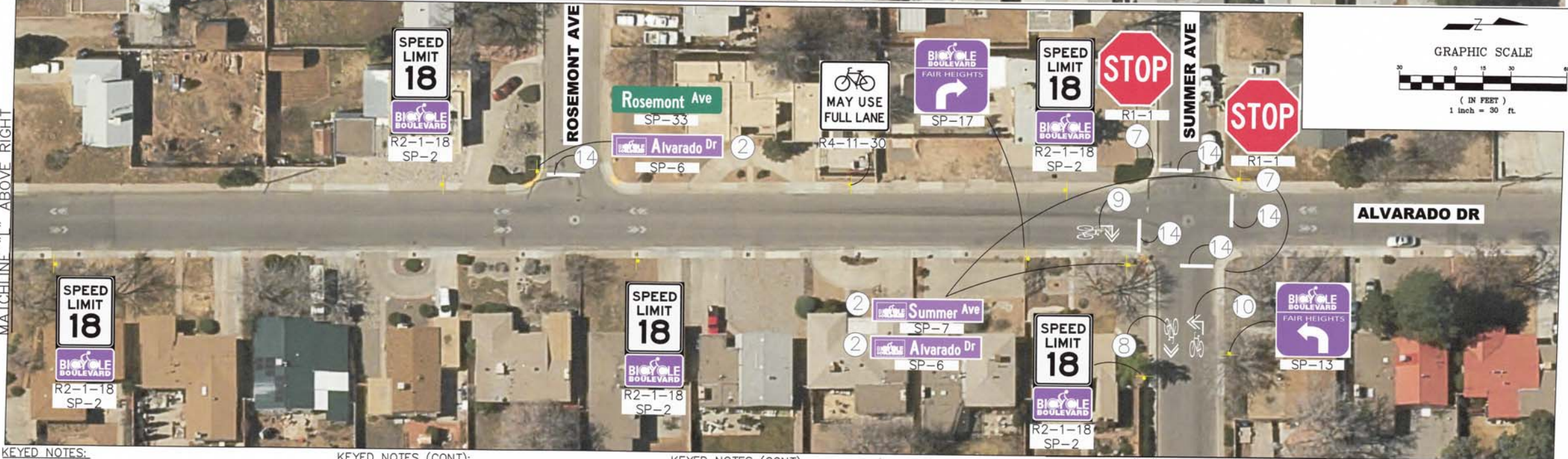


MATCHLINE "K" BOTTOM OF PREVIOUS SHEET



MATCHLINE "L" BELOW LEFT

MATCHLINE "I" ABOVE RIGHT



KEYED NOTES:

- 1 BICYCLE SYMBOL PVMT MARKING, DETAIL SHT. 26
- 2 REPLACE STREET NAME SIGN(S), REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S), REPLACE EXISTING STOP SIGN
- 3 4" DOUBLE SOLID YELLOW STRIPE
- 4 REMOVE AND SALVAGE EXISTING SIGN POST AND REPLACE WITH 12.5' POST
- 5 YELLOW REFLECTIVE MEDIAN NOSE
- 6 REPLACE STREET NAME SIGN(S) LOCATED ON MASTARM, REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S)

KEYED NOTES (CONT):

- 7 REPLACE STOP SIGN/SALVAGE OLD SIGN
- 8 SHARROW, DETAIL SHT. 26
- 9 SHARROW (RIGHT TURN), DETAIL SHT. 26
- 10 SHARROW (LEFT TURN), DETAIL SHT. 26
- 11 ERADICATE CENTER DOUBLE YELLOW STRIPE
- 12 ERADICATE STOP BAR
- 13 BIKE DET PVMT MKG ON GREEN BIKE BOX, DET. SHT. 26
- 14 24" WHITE STOP BAR
- 15 SHARROW (ANGLED RIGHT), DETAIL SHT. 26
- 16 SHARROW (ANGLED LEFT), DETAIL SHT. 26


KEYED NOTES (CONT):

- 17 REMOVE AND SALVAGE STOP SIGN AND POST
- 18 REMOVE AND SALVAGE "ALL WAY" PLAQUE ON STOP SIGN
- 19 REMOVE AND SALVAGE STREET NAME SIGN AND POST
- 20 RELOCATE STREET NAME SIGNS TO NW QUADRANT OF INTERSECTION
- 21 CONTINENTAL-STYLE CROSSWALK, STD. DWG. 2900-106
- 22 4" SOLID WHITE STRIPE, SPACING FOR DIAGONAL LINES
- 23 ERADICATE PAVEMENT MARKING
- 24 LEFT-TURN ARROW PAVEMENT MARKING
- 25 PAVEMENT MARKING, WORD "ONLY"
- 26 PAINT CURB YELLOW
- 27 4" SOLID YELLOW STRIPE
- 28 DASHED YELLOW STRIPE 3' STRIPE 9' GAP

MATCHLINE "M" TOP OF NEXT SHEET

NOTE:

- 1.) EX. SPEED LIMIT SIGNS IN CONFLICT WITH NEW 18 MPH SPEED LIMIT SIGNS SHALL BE REMOVED AND SALVAGED TO PIANO YARD.
- 2.) CONTRACTOR TO WATER BLAST CURB IF EXISTING CURB IS PAINTED.

ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
			FIELD NOTES		A COA STATION 2" BRASS DISK STAMPED	CONTRACTOR	
			NO.	DATE			
	REVISIONS	BY				"5-KIBA" SET FLUSH WITH THE SIDEWALK	WORK STARTED BY
						LOCATED 108.9 FEET WEST OF THE EXTENSION	ACCEPTANCE BY
						OF THE COLUMBIA DRIVE CENTERLINE TO THE	DATE
						NORTH OF CENTRAL AVENUE, AND 41.3	DATE
DESIGN					FEET NORTH OF THE CENTRAL AVENUE CENTERLINE.	MICRO-FILM INFORMATION	
					DATUM NAD 83 N.M. STATE PLANE CENTRAL (GRID)		RECORDED BY
					N=1485016.971, E=1530495.993, ELEV.=5174.054		DATE
					PROJECT COMBINED FACTOR=1.00033125		NO.

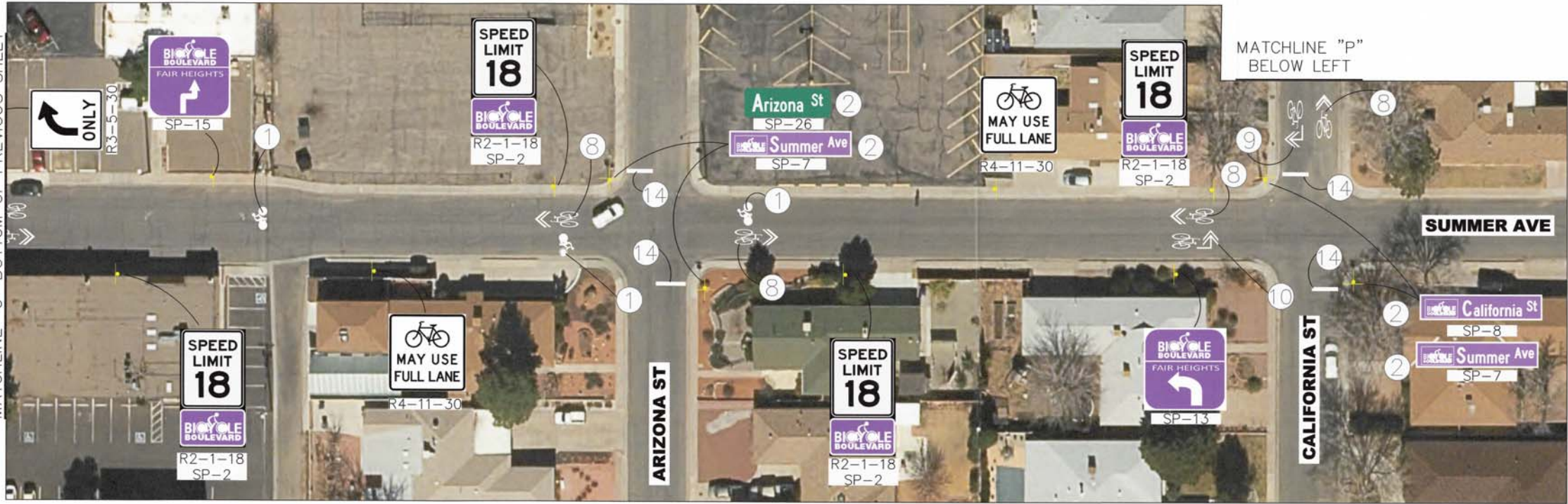
		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGNING AND PAVEMENT MARKINGS PLANS			
Design Review Committee	City Engineer Approval	No. / Day / Yr.	No. / Day / Yr.
City Project No. 9043.05		Zone Map No. J18,K16,K17,K18	Sheet 18 Of 33







MATCHLINE "O" BOTTOM OF PREVIOUS SHEET



MATCHLINE "P" ABOVE RIGHT



KEYED NOTES:

- 1) BICYCLE SYMBOL PVMT MARKING, DETAIL SHT. 26
- 2) REPLACE STREET NAME SIGN(S), REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S), REPLACE EXISTING STOP SIGN
- 3) 4" DOUBLE SOLID YELLOW STRIPE
- 4) REMOVE AND SALVAGE EXISTING SIGN POST AND REPLACE WITH 12.5' POST
- 5) YELLOW REFLECTIVE MEDIAN NOSE
- 6) REPLACE STREET NAME SIGN(S) LOCATED ON MASTARM, REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S)

KEYED NOTES (CONT):

- 7) REPLACE STOP SIGN/SALVAGE OLD SIGN
- 8) SHARROW, DETAIL SHT. 26
- 9) SHARROW (RIGHT TURN), DETAIL SHT. 26
- 10) SHARROW (LEFT TURN), DETAIL SHT. 26
- 11) ERADICATE CENTER DOUBLE YELLOW STRIPE
- 12) ERADICATE STOP BAR
- 13) BIKE DET PVMT MKG ON GREEN BIKE BOX, DET. SHT. 26
- 14) 24" WHITE STOP BAR
- 15) SHARROW (ANGLED RIGHT), DETAIL SHT. 26
- 16) SHARROW (ANGLED LEFT), DETAIL SHT. 26

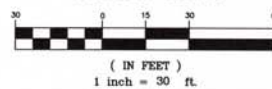
KEYED NOTES (CONT):

- 17) REMOVE AND SALVAGE STOP SIGN AND POST
- 18) REMOVE AND SALVAGE "ALL WAY" PLAQUE ON STOP SIGN
- 19) REMOVE AND SALVAGE STREET NAME SIGN AND POST
- 20) RELOCATE STREET NAME SIGNS TO NW QUADRANT OF INTERSECTION
- 21) CONTINENTAL-STYLE CROSSWALK, STD. DWG. 2900-106
- 22) 4" SOLID WHITE STRIPE, SPACING FOR DIAGONAL LINES
- 23) ERADICATE PAVEMENT MARKING
- 24) LEFT-TURN ARROW PAVEMENT MARKING
- 25) PAVEMENT MARKING, WORD "ONLY"
- 26) PAINT CURB YELLOW
- 27) 4" SOLID YELLOW STRIPE
- 28) DASHED YELLOW STRIPE 3' STRIPE 9' GAP

NOTE:

- 1.) EX. SPEED LIMIT SIGNS IN CONFLICT WITH NEW 18 MPH SPEED LIMIT SIGNS SHALL BE REMOVED AND SALVAGED TO PINO YARD.
- 2.) CONTRACTOR TO WATER BLAST CURB IF EXISTING CURB IS PAINTED.

GRAPHIC SCALE



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGNING AND PAVEMENT MARKINGS PLANS	
Design Review Committee APPROVED AUG 03 2017 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 03 2017 CITY ENGINEER
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18
Sheet 20	Of 33

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	CONTRACTOR	WORKED BY	DATE
				LOCATED BY	DATE
				FIELD BY	DATE
				DESIGNED BY	DATE
				CHECKED BY	DATE
				RECORDED BY	DATE
				NO.	
				PROJECT COMBINED FACTOR=1.00033125	





KEYED NOTES:

- ① BICYCLE SYMBOL PVMT MARKING, DETAIL SHT. 26
- ② REPLACE STREET NAME SIGN(S), REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S), REPLACE EXISTING STOP SIGN
- ③ 4" DOUBLE SOLID YELLOW STRIPE
- ④ REMOVE AND SALVAGE EXISTING SIGN POST AND REPLACE WITH 12.5' POST
- ⑤ YELLOW REFLECTIVE MEDIAN NOSE
- ⑥ REPLACE STREET NAME SIGN(S) LOCATED ON MASTARM, REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S)

KEYED NOTES (CONT):

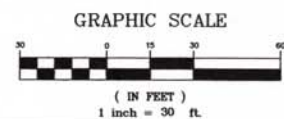
- ⑦ REPLACE STOP SIGN/SALVAGE OLD SIGN
- ⑧ SHARROW, DETAIL SHT. 26
- ⑨ SHARROW (RIGHT TURN), DETAIL SHT. 26
- ⑩ SHARROW (LEFT TURN), DETAIL SHT. 26
- ⑪ ERADICATE CENTER DOUBLE YELLOW STRIPE
- ⑫ ERADICATE STOP BAR
- ⑬ BIKE DET PVMT MKG ON GREEN BIKE BOX, DET. SHT. 26
- ⑭ 24" WHITE STOP BAR
- ⑮ SHARROW (ANGLED RIGHT), DETAIL SHT. 26
- ⑯ SHARROW (ANGLED LEFT), DETAIL SHT. 26

KEYED NOTES (CONT):

- ⑰ REMOVE AND SALVAGE STOP SIGN AND POST
- ⑱ REMOVE AND SALVAGE "ALL WAY" PLAQUE ON STOP SIGN
- ⑲ REMOVE AND SALVAGE STREET NAME SIGN AND POST
- ⑳ RELOCATE STREET NAME SIGNS TO NW QUADRANT OF INTERSECTION
- ㉑ CONTINENTAL-STYLE CROSSWALK, STD. DWG. 2900-106
- ㉒ 4" SOLID WHITE STRIPE, SPACING FOR DIAGONAL LINES
- ㉓ ERADICATE PAVEMENT MARKING
- ㉔ LEFT-TURN ARROW PAVEMENT MARKING
- ㉕ PAVEMENT MARKING, WORD "ONLY"
- ㉖ PAINT CURB YELLOW
- ㉗ 4" SOLID YELLOW STRIPE
- ㉘ DASHED YELLOW STRIPE 3' STRIPE 9' GAP

NOTE:

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- 2.) CONTRACTOR TO WATER BLAST CURB IF EXISTING CURB IS PAINTED.



		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGNING AND PAVEMENT MARKINGS PLANS			
Design Review Committee	City Engineer Approval	Last Design Update	
City Project No.	Zone Map No.	Sheet	Of
9043.05	J18,K16,K17,K18	21	33

ENGINEERS SEAL				SURVEY INFORMATION				BENCH MARKS				AS BUILT INFORMATION			
				FIELD NOTES				A COA STATION 2" BRASS DISK STAMPED "5-KIGA" SET FLUSH WITH THE SIDEWALK LOCATED 108.9 FEET WEST OF THE EXTENSION OF THE COLUMBIA DRIVE CENTERLINE TO THE NORTH OF CENTRAL AVENUE, AND 41.3 FEET NORTH OF THE CENTRAL AVENUE CENTERLINE. DATUM NAD 83 N.M. STATE PLANE CENTRAL (GRID) N=1485016.971, E=1530495.993, ELEV.=5174.054 PROJECT COMBINED FACTOR=1.000331125				CONTRACTOR			
												WORK STARTED BY			
												INSPECTOR'S DATE			
												FIELD VERIFICATION BY			
												CORRECTED BY			
REVISIONS				MICRO-FILM INFORMATION				RECORDED BY				DATE			
NO.	DATE	REMARKS	BY												
DESIGNED BY				CEB				DATE				7/2017			
DRAWN BY				ZST				DATE				7/2017			
CHECKED BY				NA				DATE				7/2017			





KEYED NOTES:

- ① BICYCLE SYMBOL PVMT MARKING, DETAIL SHT. 26
- ② REPLACE STREET NAME SIGN(S), REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S), REPLACE EXISTING STOP SIGN
- ③ 4" DOUBLE SOLID YELLOW STRIPE
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- ⑥ REPLACE STREET NAME SIGN(S) LOCATED ON MASTARM, REMOVE AND SALVAGE EXISTING STREET NAME SIGN(S)

KEYED NOTES (CONT):

- ⑦ REPLACE STOP SIGN/SALVAGE OLD SIGN
- ⑧ SHARROW, DETAIL SHT. 26
- ⑨ SHARROW (RIGHT TURN), DETAIL SHT. 26
- ⑩ SHARROW (LEFT TURN), DETAIL SHT. 26
- ⑪ ERADICATE CENTER DOUBLE YELLOW STRIPE
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- ⑭ 24" WHITE STOP BAR
- ⑮ SHARROW (ANGLED RIGHT), DETAIL SHT. 26
- ⑯ SHARROW (ANGLED LEFT), DETAIL SHT. 26

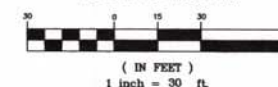
KEYED NOTES (CONT):

- ⑰ REMOVE AND SALVAGE STOP SIGN AND POST
- ⑱ REMOVE AND SALVAGE "ALL WAY" PLAQUE ON STOP SIGN
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- ㉘ DASHED YELLOW STRIPE 3' STRIPE 9' GAP

NOTE:

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- 2.) CONTRACTOR TO WATER BLAST CURB IF EXISTING CURB IS PAINTED.

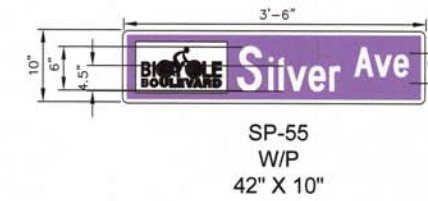
GRAPHIC SCALE



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD PAVEMENT MARKING DETAILS			
Design Review Committee APPROVED AUG 03 2017 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 03 2017 CITY ENGINEER	Last Design Update	
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18	Sheet 22	Of 33

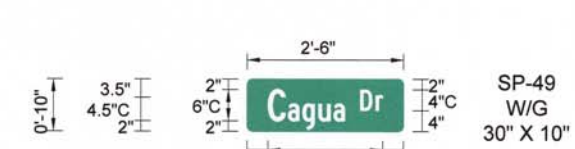
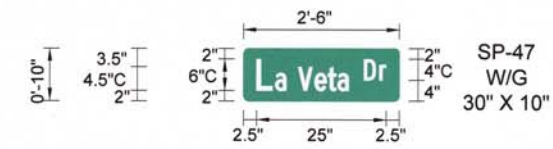
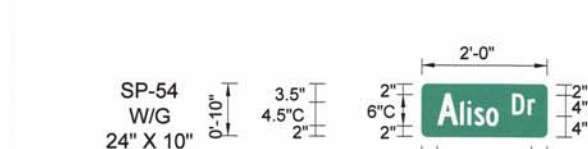
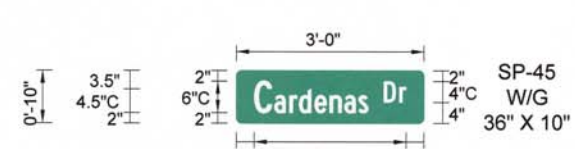
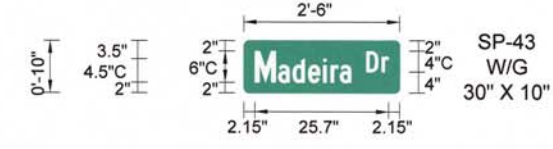
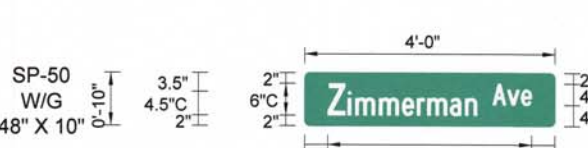
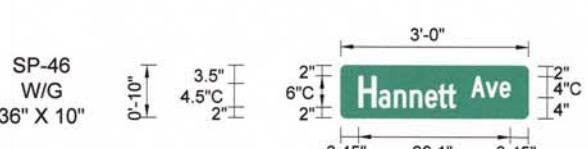
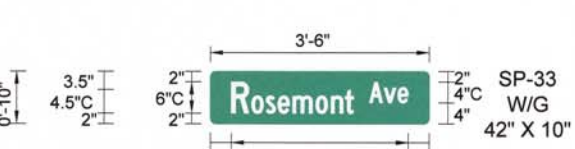
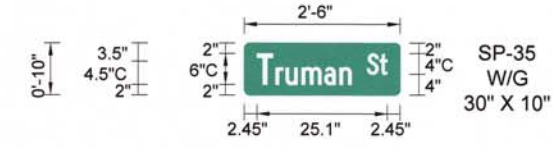
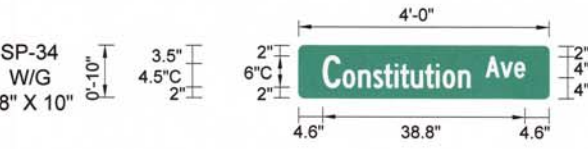
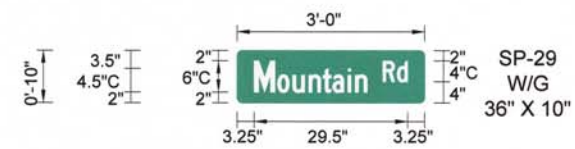
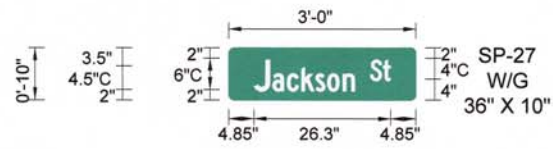
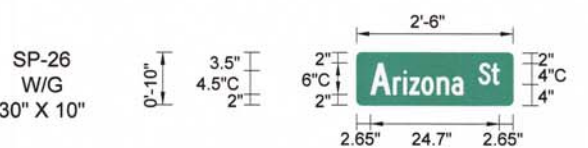
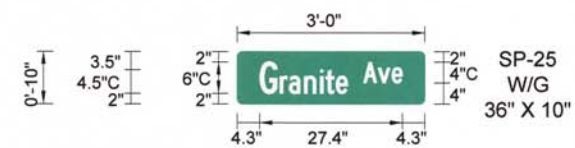
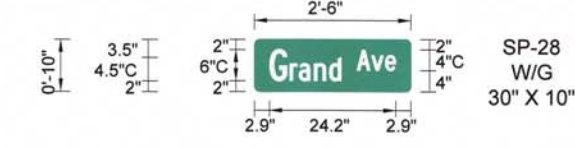
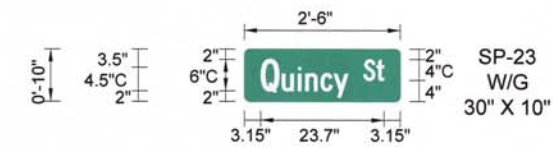
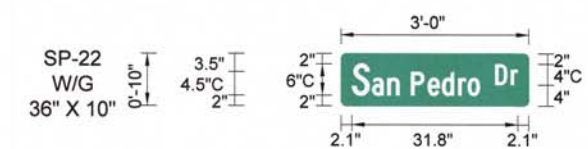
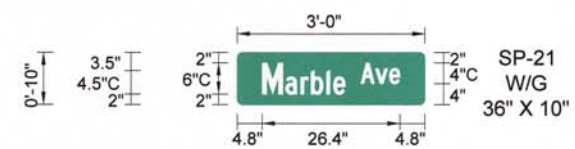
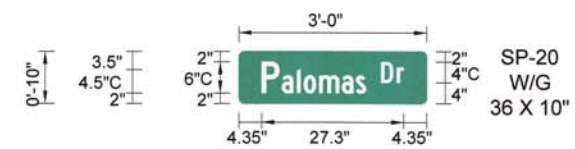
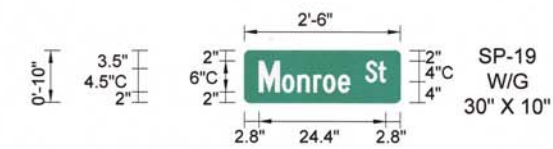
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		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE:		FAIR HEIGHTS BICYCLE BOULEVARD SIGN FACE DETAILS	
Design Review Committee 	City Engineer Approval 	No. / Day / Yr.     	No. / Day / Yr.     
City Project No.		Zone Map No.	Sheet
9043.05		J18,K16,K17,K18	23
			Of
			33





NOTE: CONTRACTOR SHALL SUBMIT PROPOSED SIGN LAYOUT TO CITY FOR APPROVAL PRIOR TO FABRICATION OF ALL STREET NAME SIGNS.

 <p>CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION</p>		<div style="text-align: right;"> <div>8</div> <div>7</div> <div>6</div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1</div> </div>											
<p>TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGN FACE DETAILS</p>													
<p>Design Review Committee</p> 	<p>City Engineer Approval</p> 	<p>Last Design Update</p>	<table border="1"> <thead> <tr> <th>No. / Day / Yr.</th> <th>No. / Day / Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	No. / Day / Yr.	No. / Day / Yr.								
No. / Day / Yr.	No. / Day / Yr.												
<p>City Project No. 9043.05</p>		<p>Zone Map No. J18,K16,K17,K18</p>	<p>Sheet 24 Of 33</p>										





SP-11\*  
W/P  
30" X 30"



SP-12\*  
W/P  
30" X 30"



SP-13\*  
W/P  
30" X 30"



SP-14\*  
W/P  
30" X 30"



SP-15\*  
W/P  
30" X 30"



SP-16\*  
W/P  
30" X 30"



SP-17\*  
W/P  
30" X 30"



SP-2  
W/P  
24" X 12"  
COA STD DWG 2900-802



SP-51\*  
W/P  
30" X 36"



SP-52\*  
W/P  
30" X 36"



SP-53\*  
W/P  
30" X 36"



W4-4p  
B/Y  
24" X 12"



W16-2ap  
B/FY-G  
24" X 12"



W16-7p  
B/FY-G  
24" X 12"



W11-1  
B/FY-G  
30" X 30"



R1-1  
R/W  
30" X 30"



R2-1-18  
B/W  
24" X 30"  
COA STD DWG 2900-802



R3-5-30  
B/W  
30" X 36"



R4-7-24  
B/W  
24" X 30"



R4-11  
B/W  
30" X 30"



R7-1  
R/W  
12" X 18"



R10-6a  
B/W  
24" X 30"



R10-22  
B/W  
12" X 18"



D11-1  
W/G  
24" X 18"



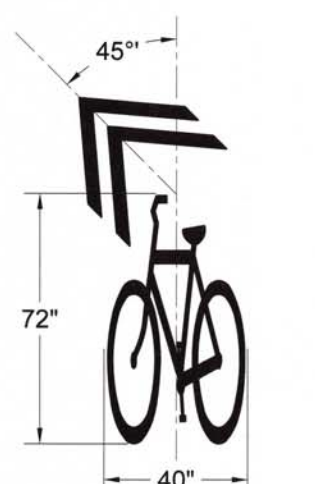
M7-7L  
W/G  
12" X 9"

\*SPECIAL SIGN DESIGN. CONTRACTOR SHALL SUBMIT PROPOSED SIGN LAYOUT TO CITY FOR APPROVAL PRIOR TO FABRICATION

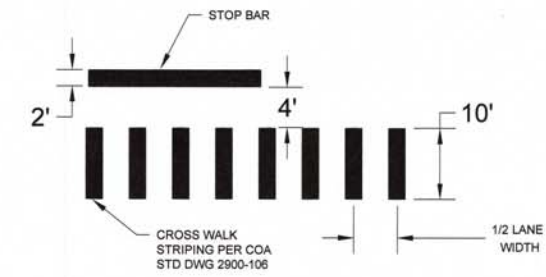
AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	WORKED BY	DATE	A COA STATION 2" BRASS DISK STAMPED	DATE	BY	NO.	NO.	DATE	BY	NO.	NO.	DATE	BY	NO.
INSPECTOR'S	DATE	INSPECTOR'S	DATE	"5-K16A" SET FLUSH WITH THE SIDEWALK	DATE	BY	NO.	DATE	BY	NO.	DATE	DATE	7/2017	DATE	7/2017
VERIFICATION BY	DATE	VERIFICATION BY	DATE	LOCATED 108.9 FEET WEST OF THE EXTENSION	DATE	BY	NO.	DATE	BY	NO.	DATE	DESIGNED BY	CEB	DATE	7/2017
VERIFICATION BY	DATE	VERIFICATION BY	DATE	OF THE COLUMBIA DRIVE CENTERLINE TO THE	DATE	BY	NO.	DATE	BY	NO.	DATE	DRAWN BY	ZST	DATE	7/2017
VERIFICATION BY	DATE	VERIFICATION BY	DATE	NORTH OF CENTRAL AVENUE, AND 41.3	DATE	BY	NO.	DATE	BY	NO.	DATE	CHECKED BY	NA	DATE	7/2017
VERIFICATION BY	DATE	VERIFICATION BY	DATE	FEET NORTH OF THE CENTRAL AVENUE CENTERLINE	DATE	BY	NO.	DATE	BY	NO.	DATE	DESIGNED BY	CEB	DATE	7/2017
VERIFICATION BY	DATE	VERIFICATION BY	DATE	FEET NORTH OF THE CENTRAL AVENUE CENTERLINE	DATE	BY	NO.	DATE	BY	NO.	DATE	DRAWN BY	ZST	DATE	7/2017
VERIFICATION BY	DATE	VERIFICATION BY	DATE	DATUM NAD 83 N.M. STATE PLANE CENTRAL (GRID)	DATE	BY	NO.	DATE	BY	NO.	DATE	CHECKED BY	NA	DATE	7/2017
VERIFICATION BY	DATE	VERIFICATION BY	DATE	N=1485016.971, E=1530495.983, ELEV.=5174.054	DATE	BY	NO.	DATE	BY	NO.	DATE	DESIGNED BY	CEB	DATE	7/2017
VERIFICATION BY	DATE	VERIFICATION BY	DATE	PROJECT COMBINED FACTOR=1.00033125	DATE	BY	NO.	DATE	BY	NO.	DATE	DRAWN BY	ZST	DATE	7/2017

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD SIGN FACE DETAILS	
Design Review Committee APPROVED AUG 03 2017 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 03 2017 CITY ENG
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18
Sheet 25	Of 33





SHARROW ANGLED LEFT

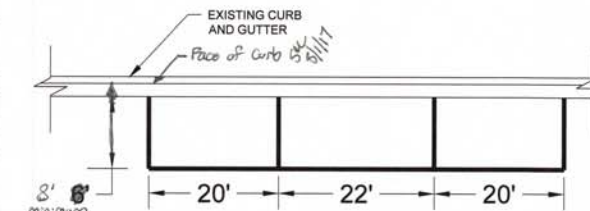


### CROSS WALK DETAIL



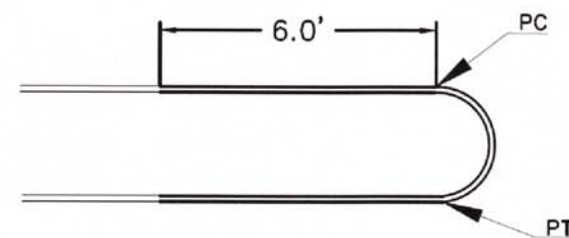
## BICYCLE DETECTOR PAVEMENT MARKING

STRIPING SCHEDULE						
	4" WHITE (FEET)	4" YELLOW (FEET)	4" DOUBLE YELLOW (FEET)	24" WHITE (FEET)	GREEN THERMOPLASTIC PAVEMENT MARKING (SQ. FT.)	PAINTED CURB
LOCATION/ DESCRIPTION						
SILVER AVENUE						
LANE STRIPE		2,350				
STOP BARS				25		
SHOULDER STRIPE	1,745					
MONROE STREET						
STOP BARS				190		
PARKING STRIPES	970					
LANE STRIPE	100					
CENTER LANE STRIPE			200			
CROSSWALKS				700		
BIKE BOX					254	
PAINTED CURB						260
COPPER AVENUE						
STOP BARS				375		
SHOULDER STRIPES/PARKING STRIPES	4150					
LANE STRIPE	210					
CENTER LANE STRIPE		570	725			
CROSSWALKS				400		
BIKE XING TRACKS	425					
PAINTED CURB						750
BIKE BOX					303	
ALVARADO DRIVE						
STOP BARS				375		
BIKE BOX					300	
SUMMER AVENUE						
STOP BARS				220		
SAN PEDRO DRIVE						
MEDIAN REFUGE					310	180
<b>TOTAL</b>	<b>7,600</b>	<b>2,920</b>	<b>925</b>	<b>2260</b>	<b>1,167</b>	<b>1,190</b>



### PARKING STALL DETAIL


NOTE:  
PARKING STALLS LOCATED AT  
THE BEGINNING OR END OF A  
ROW OF PARALLEL PARKING  
STALLS SHALL BE 20' IN LENGTH.  
ALL OTHER SPACES SHALL BE 22'  
IN LENGTH



PAINTED MEDIAN NOSE TYPICAL DETAIL  
NTS

- NOTE:
- 1.) TOP AND FACE OF MEDIAN CURB SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT WITH GLASS BEADS. PAINT SHALL EXTEND 6 FEET PAST THE PC AND PT AT EACH END OF THE NOSE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL PAYMENT SHALL BE MADE.
  - 2.) ALL SHARROW MARKINGS TO BE PAID FOR UNDER SAME ITEM NUMBER

						<i>ENGINEERS SEAL</i>		<i>SURVEY INFORMATION</i>		<i>BENCH MARKS</i>		<i>AS BUILT INFORMATION</i>	
NO.	DATE	REMARKS	BY	FIELD NOTES		NO.	BY	DATE	CONTRACTOR STARTED BY INSPECTOR'S FIELD CHANGE BY ADJUSTMENT BY CORRECTED BY	A COA STATION 2" BRASS DISK STAMPED "5-INCH" SET FLUSH WITH THE SIDEWALK LOCATED 108.9 FEET WEST OF THE EXTENSION OF THE COLUMBIA DRIVE CENTERLINE TO THE NORTH OF CENTRAL AVENUE AND 41.3 FEET NORTH OF THE CENTRAL AVENUE CENTERLINE. DATUM NAD 83 NAME PLANE CENTRAL (GRID) N=1485016.971 E=1530495.993 ELEV.=5174.054 PROJECT COMBINED FACTOR=1.000331125	MICRO-FILM INFORMATION RECORDED BY DATE		
DESIGN													
DESIGNED BY	CGB	DATE	7/2017										
DRAWN BY	ZST	DATE	7/2017										
CHECKED BY	NA	DATE	7/2017										

 <p>CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION</p>		<div style="display: flex; justify-content: space-between;"> <span>1</span> <span>2</span> </div>													
<p>TITLE: FAIR HEIGHTS BICYCLE BOULEVARD PAVEMENT MARKINGS DETAILS &amp; STRIPING SCHEDULE</p>															
<p>Design Review Committee</p> <div style="border: 2px solid blue; padding: 10px; text-align: center;"> <p>APPROVED</p> <p>AUG 03 2017</p> <p>DESIGN REVIEW COMMITTEE</p> </div>	<p>City Engineer Approval</p> <div style="border: 2px solid blue; padding: 10px; text-align: center;"> <p>APPROVED</p> <p>AUG 03 2017</p> <p>CITY ENGINEER</p> </div>	<p>Least Design Update</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>No. of Days or Yrs.</th> <th>No. of Days or Yrs.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		No. of Days or Yrs.	No. of Days or Yrs.										
No. of Days or Yrs.	No. of Days or Yrs.														
City Project No.	9043.05	Zone Map No.	J18.K16.K17.K18												
		Sheet	26												
		Of	33												



\*NO ADDITIONAL POST NEEDED (SIGN TO BE MOUNTED ON POST WITH ANOTHER SIGN)

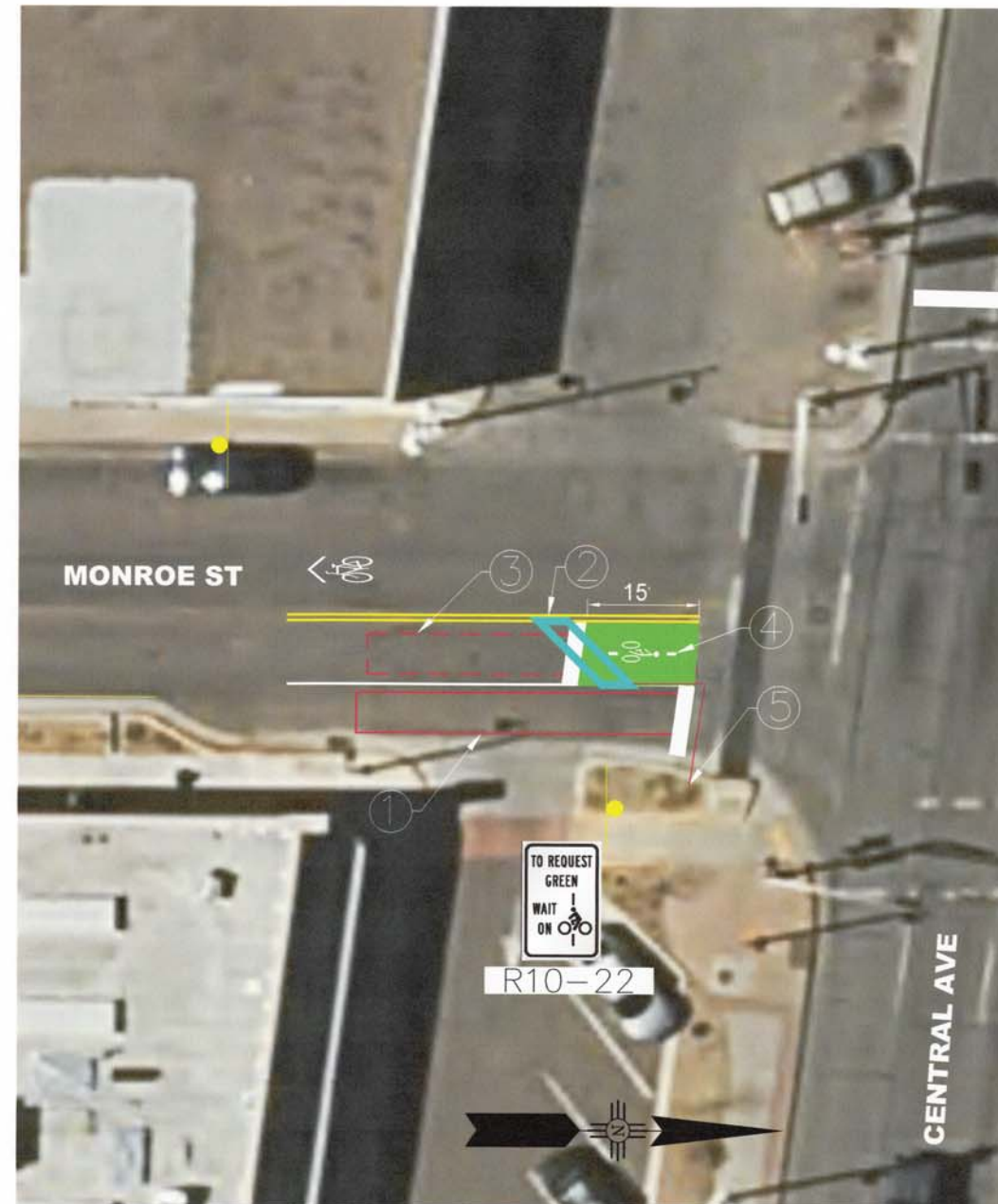
\*NO ADDITIONAL POST NEEDED (SIGN TO BE MOUNTED ON POST WITH ANOTHER SIGN)

\*\* NO ADDITIONAL POST NEEDED (SIGN TO BE MOUNTED ON SIGNAL MASTARM)

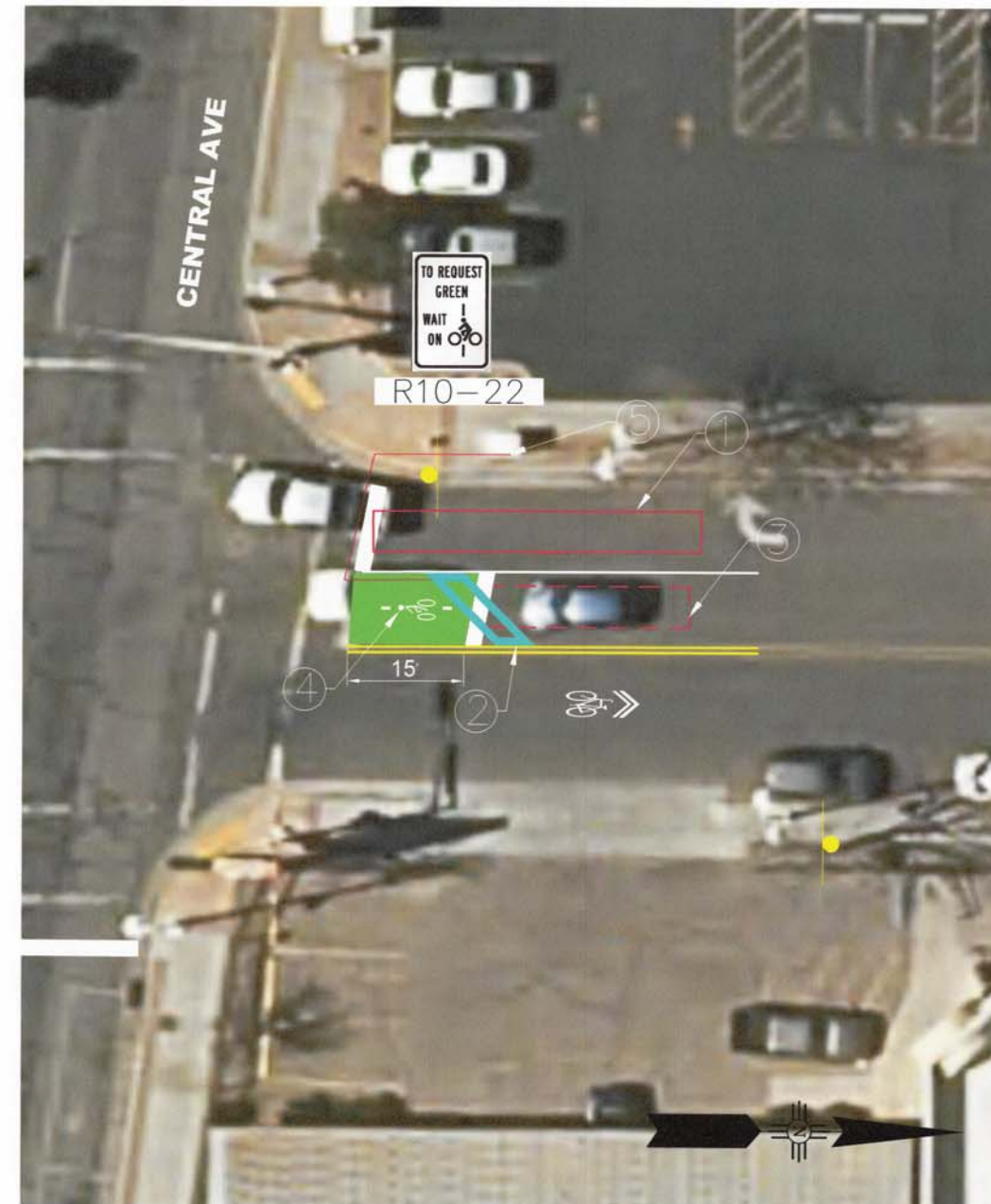
ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		A COA STATION 2" BRASS DISK STAMPED "5-KIBA" SET FLUSH WITH THE SIDEWALK LOCATED 108.9 FEET WEST OF THE EXTENSION OF THE COLUMBIA DRIVE CENTERLINE TO THE NORTH OF CENTRAL AVENUE, AND 41.3 FEET NORTH OF THE CENTRAL AVENUE CENTERLINE. DATUM NAD 83 N.M. STATE PLANE CENTRAL (GRID) N=1485016.971, E=1530495.993, ELEV.=5174.054 PROJECT COMBINED FACTOR=1.000331125		CONTRACTOR  WORK STAKED BY ACCEPTANCE BY FIELD VERIFICATION BY DRAWINGS CORRECTED BY	
		NO.	BY				
REVISIONS		NO.	DATE			DATE	
DESIGN						DATE	
DESIGNED BY	CEB	DATE		7/2017			
DRAWN BY	ZST	DATE		7/2017			
CHECKED BY	NA	DATE		7/2017			

		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION											
TITLE:		FAIR HEIGHTS BICYCLE BOULEVARD SIGNING SCHEDULE											
Design Review Committee 	City Engineer Approval 	Last Design Update	<table border="1"> <thead> <tr> <th>No. / Day / Yr.</th> <th>No. / Day / Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	No. / Day / Yr.	No. / Day / Yr.								
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City Project No.	9043.05	Zone Map No.	J18,K16,K17,K18										
Sheet	27	Of	33										





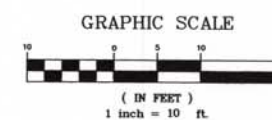
NORTHBOUND MONROE ST.  
AT CENTRAL AVE.






SOUTHBOUND MONROE ST.  
AT CENTRAL AVE.

- KEYED NOTES:
- ① EXISTING PAVEMENT DETECTOR LOOP TO REMAIN IN PLACE
  - ② NEW "ALL VEHICLE" PAVEMENT DETECTOR LOOP SEE DETAIL SHEET 30
  - ③ EXISTING PAVEMENT DETECTOR LOOP TO BE ABANDONED IN PLACE
  - ④ NEW BICYCLE DETECTOR PAVEMENT MARKING, SEE SHT. 26
  - ⑤ NEW LOOP LEAD-IN CABLE TO EXISTING PULLBOX

NOTE:  
1.) CONTRACTOR IS NOT TO CUT EXISTING TRAFFIC LOOPS, BIKE LOOPS ARE TO GO AROUND EXISTING TRAFFIC LOOPS



		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION		<div style="display: flex; justify-content: space-between;"> <span>1</span> <span>2</span> <span>3</span> <span>4</span> <span>5</span> </div>																			
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD "ALL VEHICLE" DETECTOR LOOPS-CENTRAL AVE/MONROE ST																							
Design Review Committee 		City Engineer Approval 		Last Design Update <table border="1"> <thead> <tr> <th>No.</th> <th>Day</th> <th>Yr.</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>		No.	Day	Yr.															
No.	Day	Yr.																					
City Project No. 9043.05		Zone Map No. J18,K16,K17,K18		Sheet 28 Of 33																			

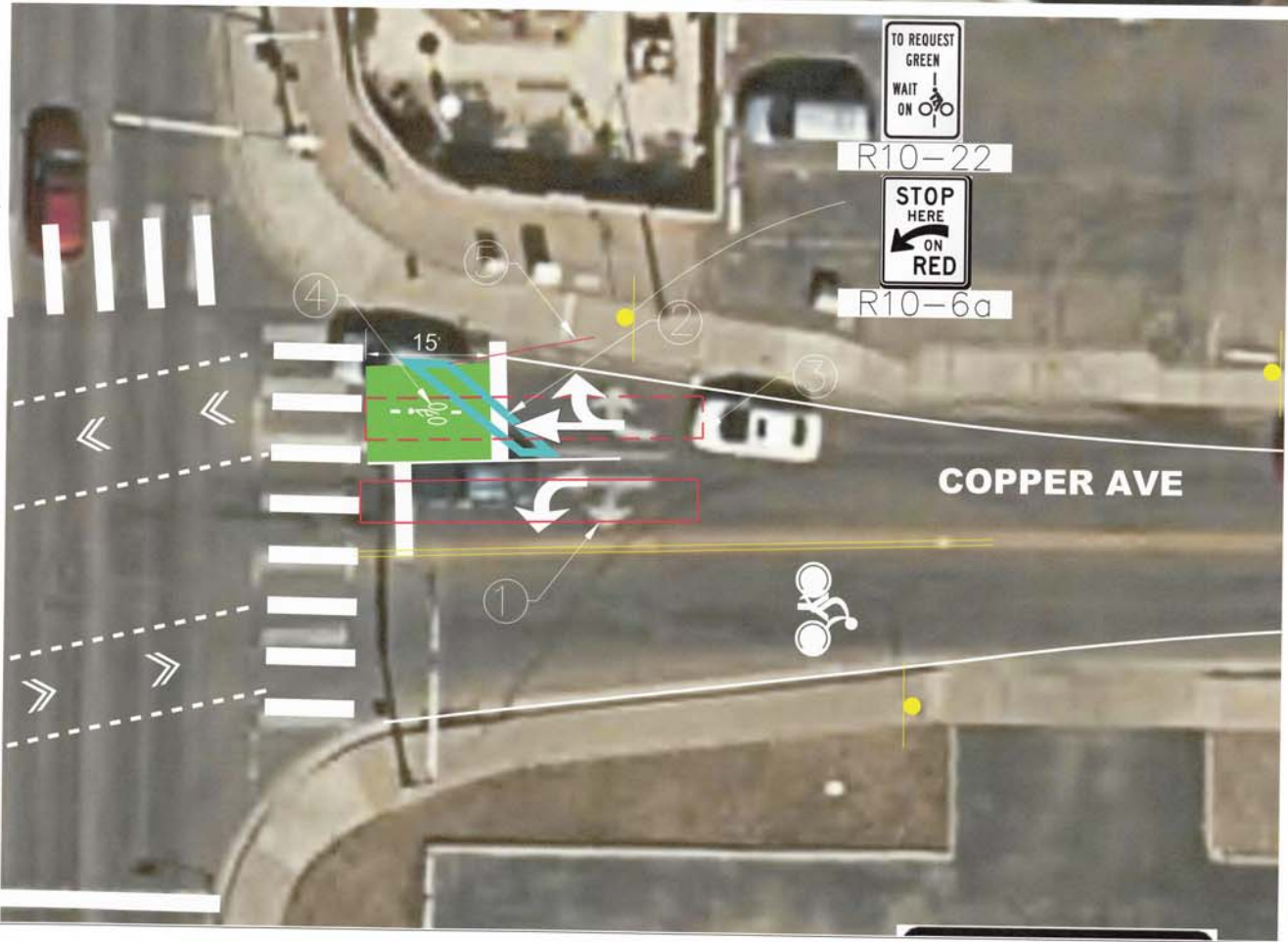
ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	REMARKS	FIELD NOTES		CONTRACTOR	INSPECTED BY	DATE
			NO.	BY			
					A COA STATION 2" BRASS DISK STAMPED "5-MIB" SET FLUSH WITH THE SIDEWALK LOCATED 108.9 FEET WEST OF THE EXTENSION OF THE COLUMBIA DRIVE CENTERLINE TO THE NORTH OF CENTRAL AVENUE, AND 41.3 FEET NORTH OF THE CENTRAL AVENUE CENTERLINE.		
DESIGNED BY	CEB	DATE	7/2017			RECORDED BY	DATE
DRAWN BY	ZST	DATE	7/2017				
CHECKED BY	NA	DATE	7/2017				



EASTBOUND COPPER AVE.  
AT SAN MATEO BLVD.



WESTBOUND COPPER AVE.  
AT SAN MATEO BLVD.

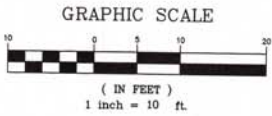


KEYED NOTES:

1. EXISTING PAVEMENT DETECTOR LOOP TO REMAIN IN PLACE
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CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD "ALL VEHICLE" DETECTOR LOOPS - SAN MATEO/COPPER	
Design Review Committee APPROVED AUG 03 2017 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 03 2017 CITY ENGINEER
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18
Sheet 29	Of 33

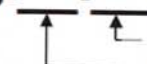
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## PLB Preformed Loop

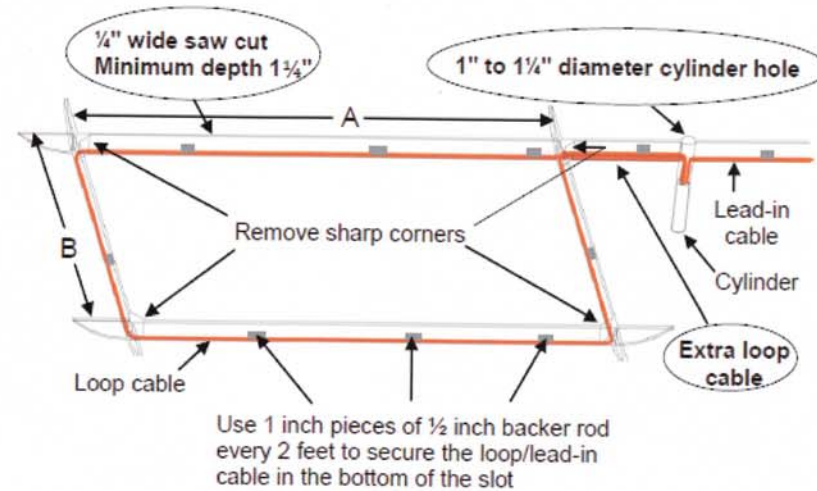
(1/4 inch wide saw cut)

### Installation Instructions:

PLB- 

Example: 8 foot x 4 foot Loop with 20 feet of Lead-in cable  
Order as: PLB-24-20

$$\text{Perimeter (P)} = 2A + 2B$$



### REQUIRED BICYCLE LOOP:

Warning: The Models C-1101-B & C-1201-B Bicycle Detectors require the parallelogram loop geometry.

The recommended parallelogram loop is a Reno A&E performed loop (PLB or PLH). The preformed loop is installed across the entire lane width as shown in Figure 1. The 42 inch sides of the parallelogram loop should be on the lane lines.

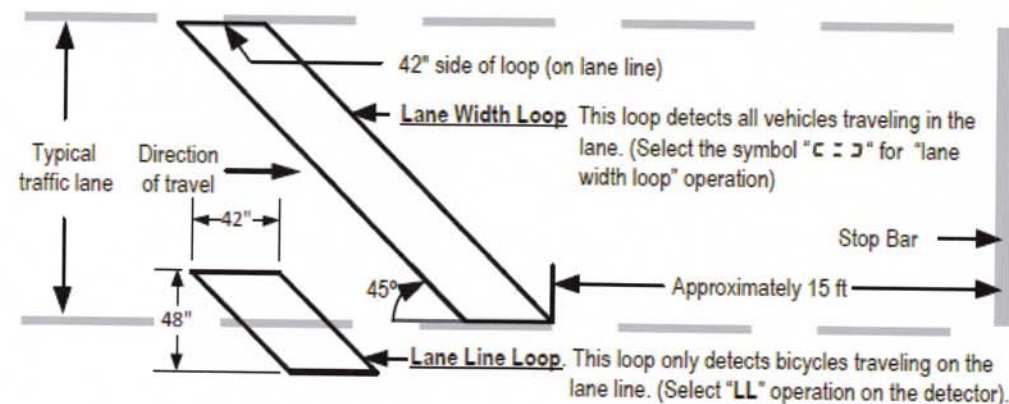
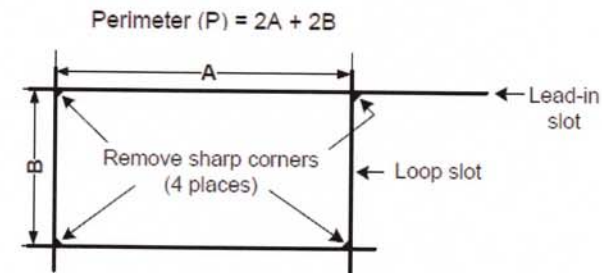
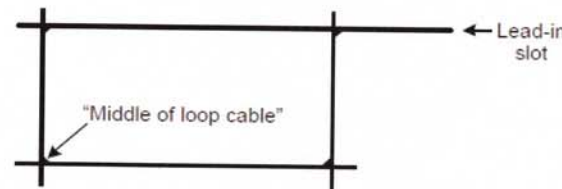


Figure 1

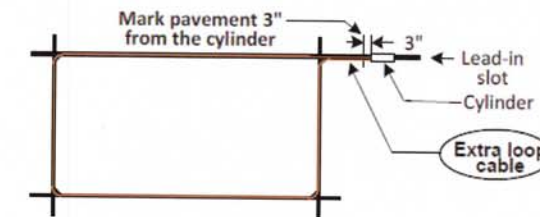
1. Mark the loop and lead-in layout on the pavement.



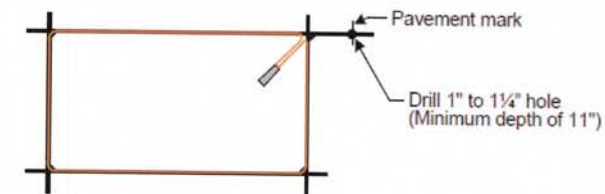
2. Using a 1/4 inch saw blade cut the loop and lead-in slots to a minimum depth of 1 1/4 inch.
3. Remove sharp inside corners.
4. Thoroughly clean the entire length of the slot using compressed air, vacuum, etc. Verify the bottom of the slot is smooth and clean.
5. Hold the loop cable together and find the "middle of loop cable".
6. Install the "middle of loop cable" into the corner opposite the lead-in location.



7. Install the loop cable in the slot. Use a wood stick or roller to press the loop to the bottom of the slot. Do not use sharp objects. Use 1 inch pieces of 1/2 inch backer rod, as necessary, to hold the cable in the bottom of the slot.
8. Insert the extra loop cable in the lead-in slot.
9. Mark pavement 3 inches from the cable end of the cylinder.



10. Pull the cylinder and cable back. Drill a 1 to 1 1/4 inch hole through the pavement into the soil (prevents water accumulation in the hole).



11. Insert the cylinder in the 1" to 1 1/4" hole.
12. Install lead-in cable in lead-in slot using pieces of backer rod and a wood stick or roller.
13. Using a proper loop sealant completely fill the entire length of the slot with loop sealant.

AS BUILT INFORMATION			
CONTRACTOR	DATE	CONTRACTOR	DATE
WORK STARTED BY	DATE	WORK STARTED BY	DATE
INSPECTION BY	DATE	INSPECTION BY	DATE
FIELD ACCEPTANCE BY	DATE	FIELD ACCEPTANCE BY	DATE
REVISIONS	DATE	REVISIONS	DATE
DESIGNED BY	DATE	DESIGNED BY	DATE
DRAWN BY	DATE	DRAWN BY	DATE
CHECKED BY	DATE	CHECKED BY	DATE
MICRO-FILM INFORMATION			
DATE	DATE	DATE	DATE
NO.	NO.	NO.	NO.
PROJECT COMBINED FACTOR=1.000331125			

BENCH MARKS	
A COA STATION 2" BRASS DISK STAMPED	DATE
"5-KID" SET FLUSH WITH THE SIDEWALK	DATE
LOCATED 108.9 FEET WEST OF THE EXTENSION	DATE
OF THE COLUMBIA DRIVE CENTERLINE TO THE	DATE
NORTH OF CENTRAL AVENUE, AND 41.3	DATE
FEET NORTH OF THE CENTRAL AVENUE CENTERLINE.	DATE
DATUM NAD 83 N.M. STATE PLANE CENTRAL (GRID)	DATE
N=1485016.971, E=1530495.993, ELEV.=5174.054	DATE
PROJECT COMBINED FACTOR=1.000331125	

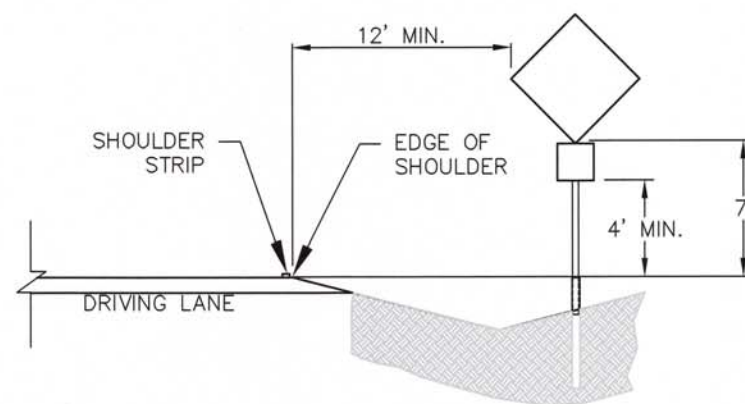
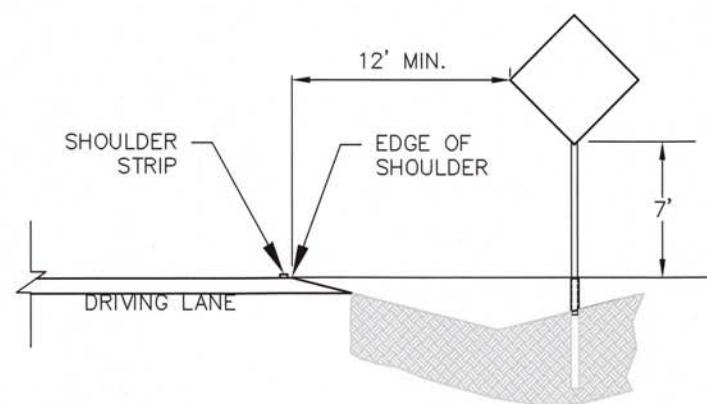
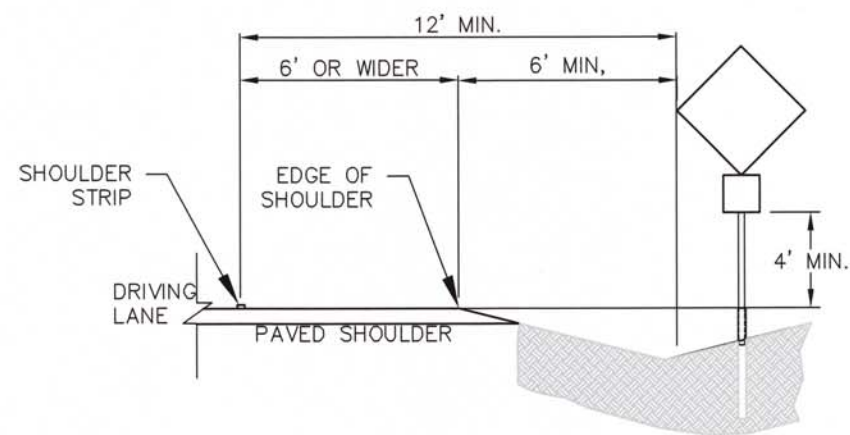
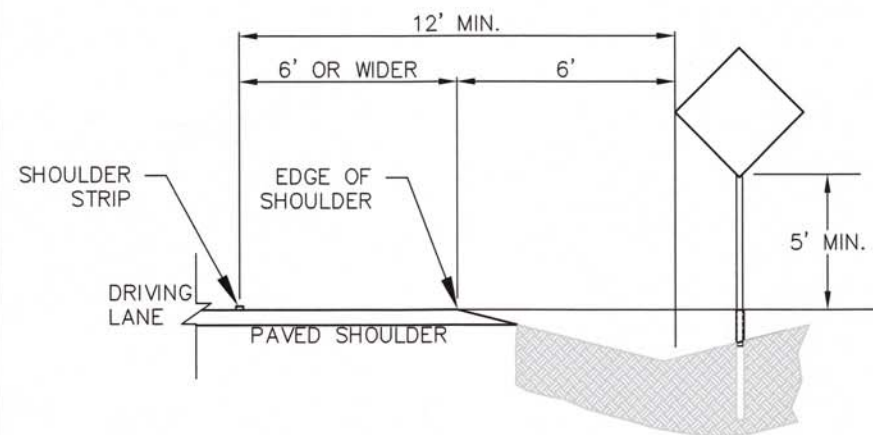


SURVEY INFORMATION	
FIELD NOTES	DATE
BY	DATE
NO.	DATE
ENGINEERS SEAL	
DATE	DATE
BY	DATE
REMARKS	DATE
NO.	DATE
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

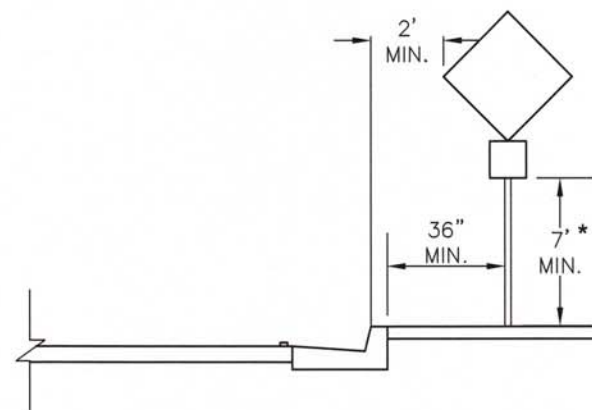
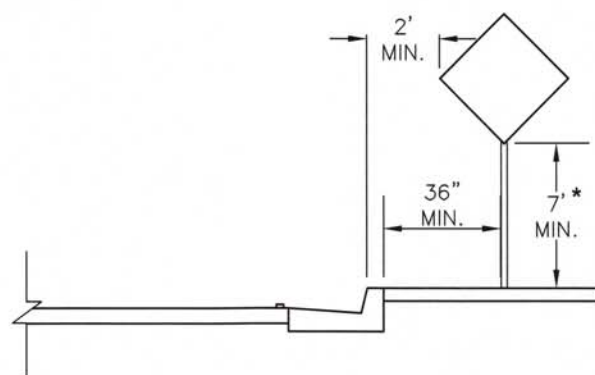
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: FAIR HEIGHTS BICYCLE BOULEVARD "ALL VEHICLE" PAVEMENT DETECTOR LOOPS - DETAILS	
Design Review Committee AUG 03 2017 DESIGN REVIEW COMMITTEE	City Engineer Approval AUG 03 2017 CITY ENGINEER
City Project No. 9043.05	Zone Map No. J18,K16,K17,K18
Sheet 30	Of 33



M:\TRN\11-100-216-00\CADD\SHEETS\Sign Installation details two.dwg, 8/9/2012 9:09:06 AM, PDF995

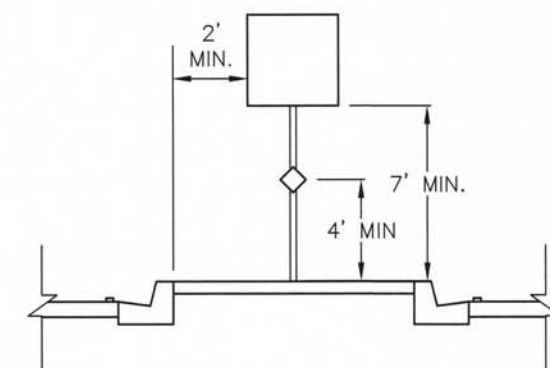


### ROADSIDE SIGN IN RURAL AREAS

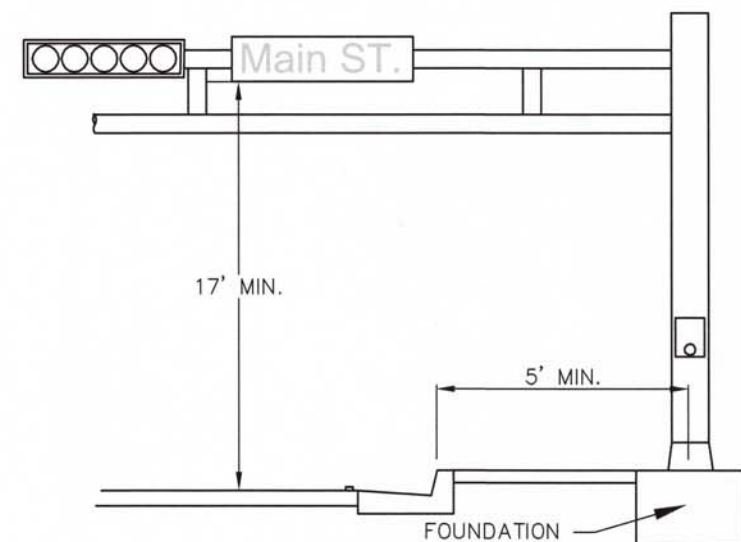


\* WHERE PARKING OR PEDESTRIAN  
MOVEMENTS ARE LIKELY TO OCCUR.

### ROADSIDE SIGN IN URBAN AREAS



### SIGN ON MEDIAN NOSE



### MASTARM SIGN

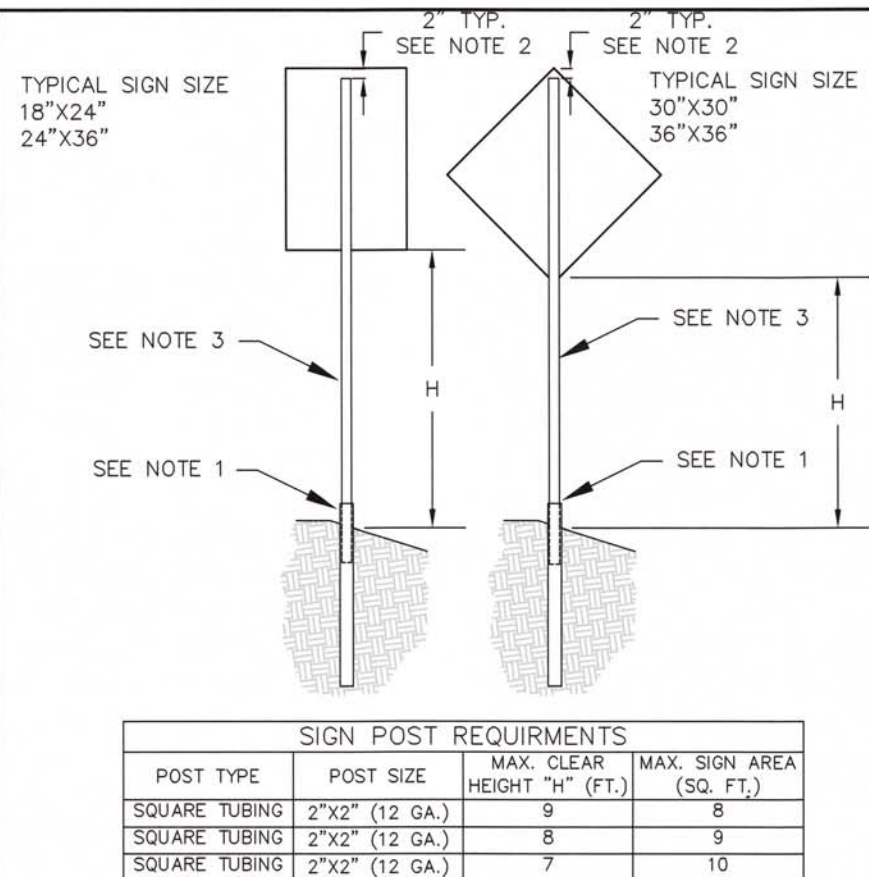
#### GENERAL NOTES:

1. HORIZONTAL CLEARANCES APPLY TO INSTALLATIONS LEFT AND RIGHT SIDE OF ROADWAY.
2. SUPPLEMENTAL SIGNS SHALL NOT BE ATTACHED DIRECTLY TO PRIMARY PANEL INSTALLATIONS.
3. SPACING BETWEEN SUPPLEMENTAL PANELS AND PRIMARY PANELS SHALL NOT EXCEED 6".
4. SIGN PANELS PLACED PARALLEL TO TRAFFIC SHALL BE MOUNTED ON A MULTI-DIRECTIONAL BREAKAWAY SYSTEM. SEE MULTI-DIRECTIONAL SLIP BASE POST DETAIL.

SCALE:  
1" = 5'

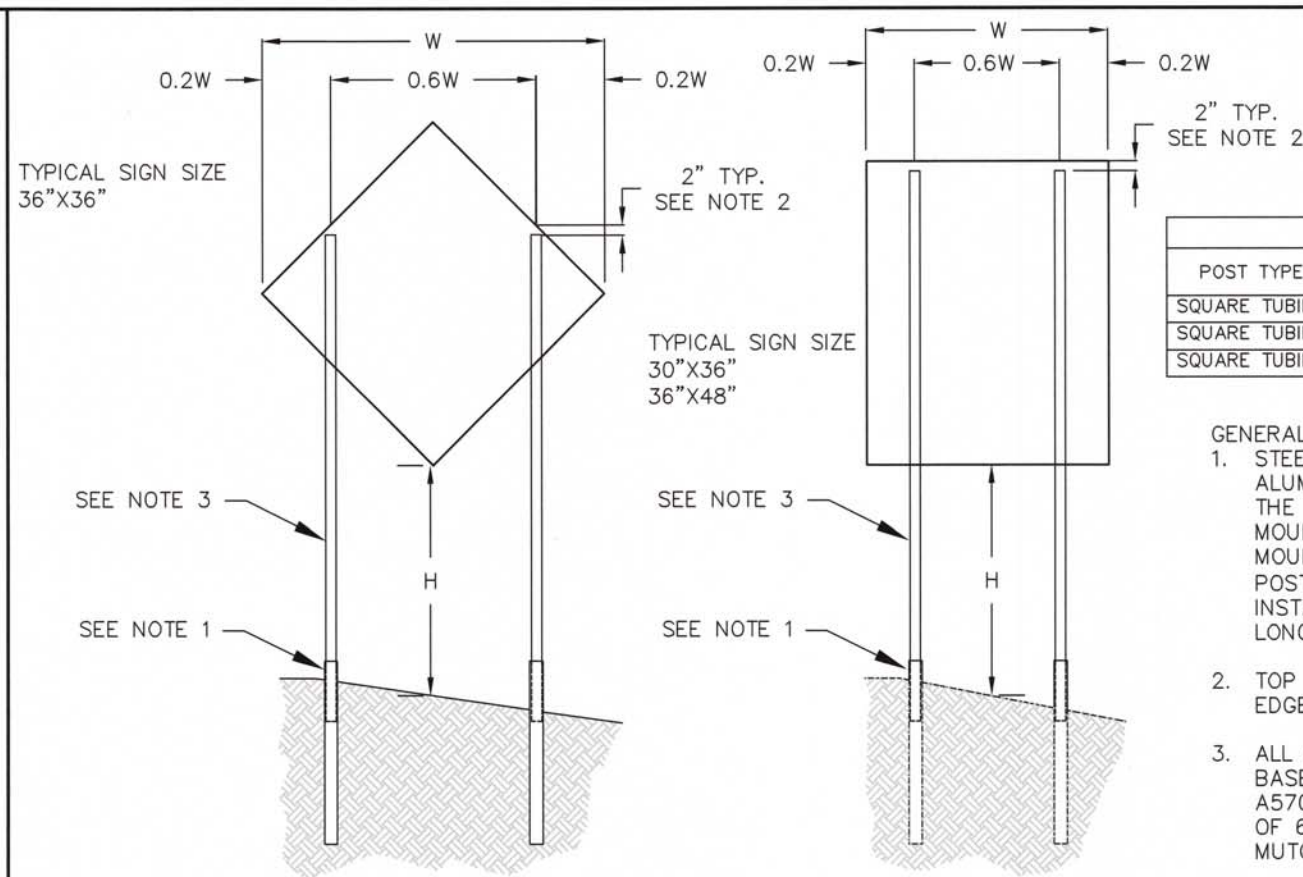
REVISIONS	CITY OF ALBUQUERQUE
	SIGN SUPPORT INSTALLATION DETAILS
	DWG. 2900-701
	JULY 2012





## SINGLE POST INSTALLATION

(TOTAL SIGN AREA NOT TO EXCEED 10 SQ. FT.)



## DOUBLE POST INSTALLATION

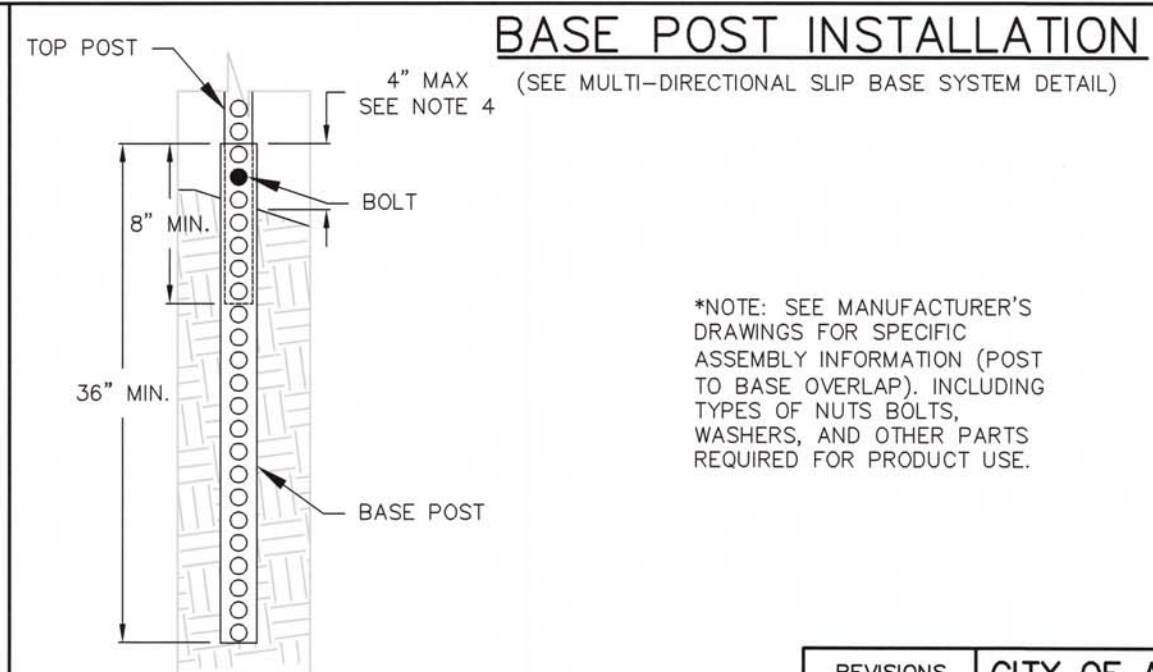
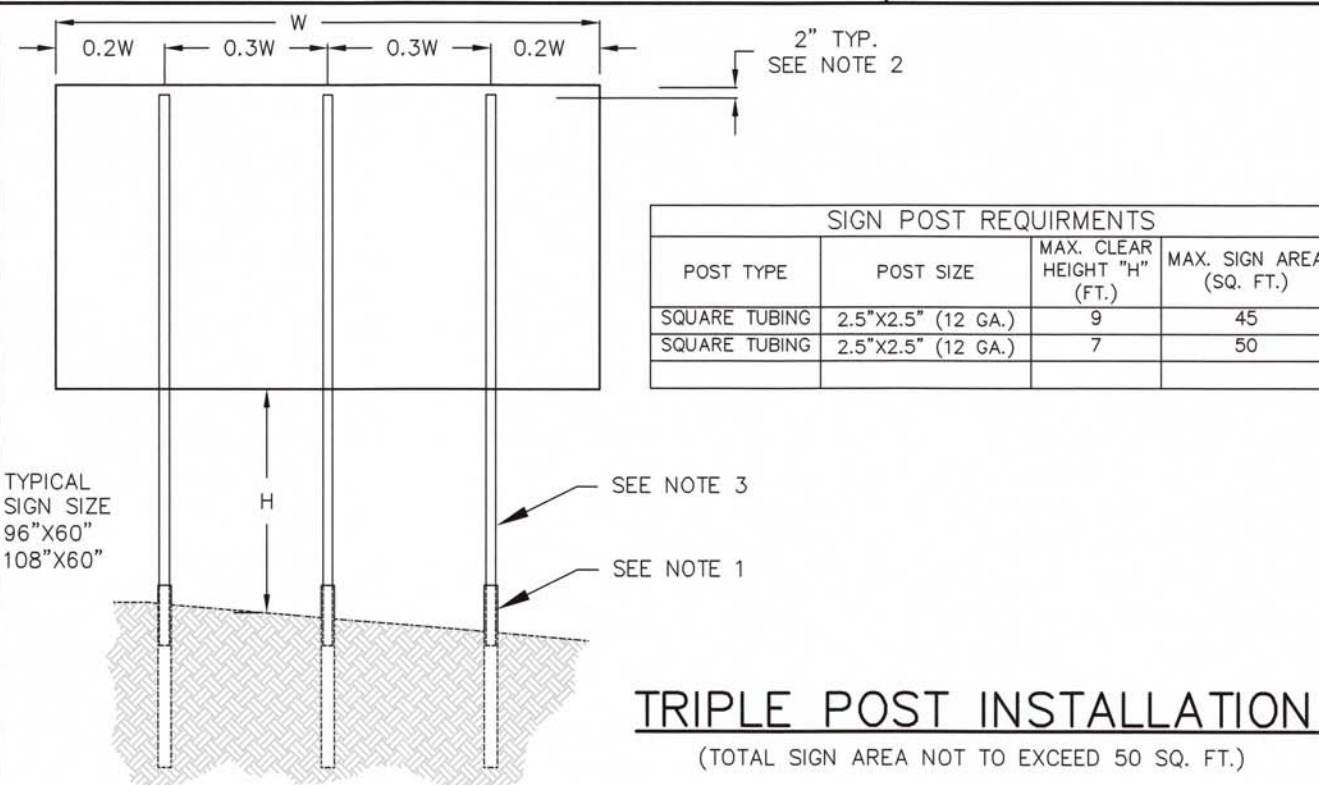
(TOTAL SIGN AREA NOT TO EXCEED 16 SQ. FT.)

\*NOTE  
ALL CITY OF ALBUQUERQUE SIGN POSTS SHALL BE 2"x2" SQUARE TUBING. WHILE REPLACING SIGN POSTS, U-CHANNEL POSTS SHALL BE REPLACED WITH SQUARE TUBING. U-CHANNEL POSTS SHALL ONLY BE USED FOR OBJECT MARKERS AND DELINEATORS.

SIGN POST REQUIREMENTS			
POST TYPE	POST SIZE	MAX. CLEAR HEIGHT "H" (FT.)	MAX. SIGN AREA (SQ. FT.)
SQUARE TUBING	2"x2" (12 GA.)	11	13
SQUARE TUBING	2"x2" (12 GA.)	9	15
SQUARE TUBING	2"x2" (12 GA.)	8	16

### GENERAL NOTES:

- STEEL POSTS, BASE POSTS, AND SLIP BASES FOR ALUMINUM PANEL SIGNS SHALL BE SELECTED FROM THE NMDOTS APPROVED PRODUCT LIST. ALL SIGNS MOUNTED WITHIN THE CLEAR ZONE SHALL BE MOUNTED ON A NCHRP REPORT 350 APPROVED SIGN POST/BASE POST BREAKAWAY SYSTEM UNLESS INSTALLATION IS LOCATED BEHIND A NON-GATING LONGITUDINAL BARRIER.
- TOP EDGE OF POSTS SHALL NOT EXTEND PAST TOP EDGE OF SIGN.
- ALL SQUARE TUBING SIGN POST REQUIREMENTS ARE BASED ON A 10 OR 12 GAUGE THICKNESS. ASTM A570 GRADE 50 STEEL. A MINIMUM YIELD STRENGTH OF 60,000 PSI AND 70 MPH WIND LOAD. SEE THE MUTCD FOR FURTHER GUIDANCE.
- BASE POST SHALL NOT EXTEND MORE THAN 4" ABOVE GROUND LEVEL AND SHALL BE OF THE SAME WEIGHT/GAUGE AND TYPE AS THE SIGN POST.



\*NOTE: SEE MANUFACTURER'S DRAWINGS FOR SPECIFIC ASSEMBLY INFORMATION (POST TO BASE OVERLAP). INCLUDING TYPES OF NUTS BOLTS, WASHERS, AND OTHER PARTS REQUIRED FOR PRODUCT USE.

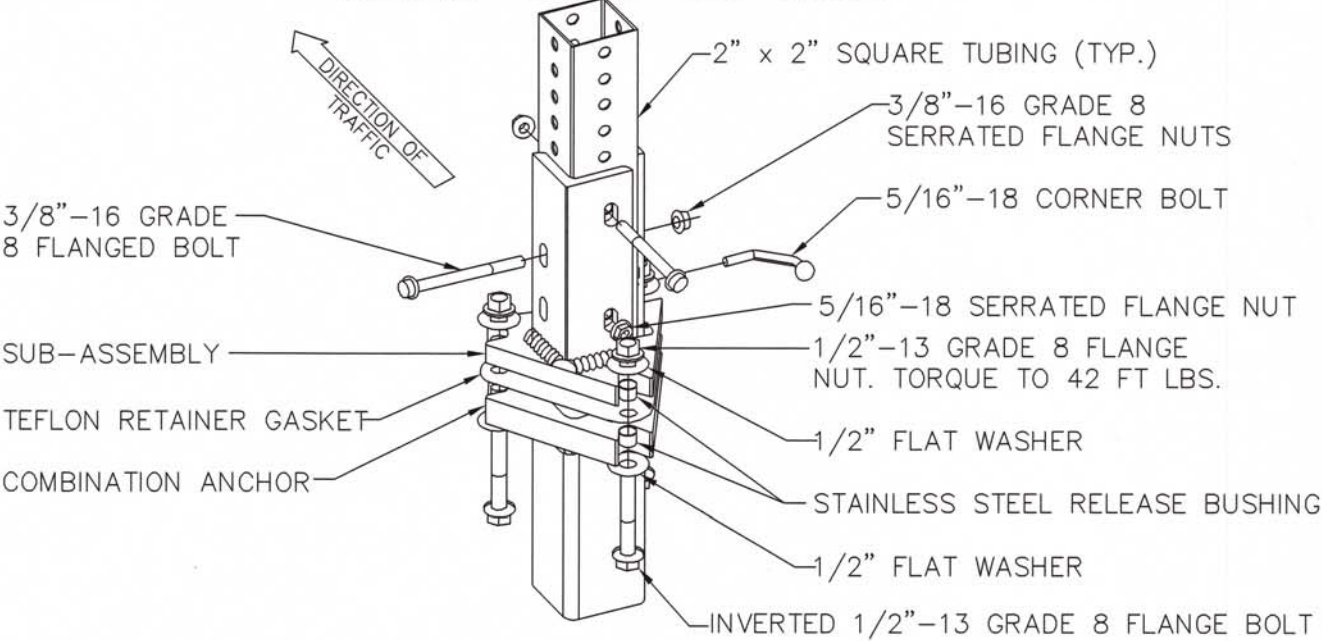
\*SQUARE TUBING  
(SLEEVE BASE)

REVISIONS	CITY OF ALBUQUERQUE
	SIGN SUPPORT INSTALLATION DETAILS
	DWG. 2900-702 JULY 2012

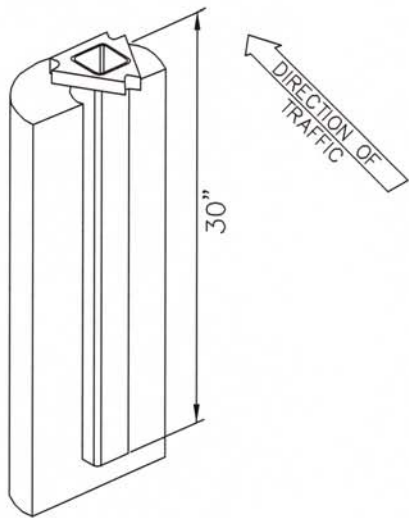


MULTI-DIRECTIONAL  
SLIP BASE DETAILS

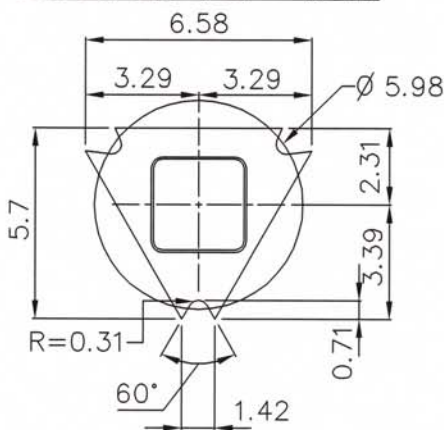
SQUARE TUBING SLIP BASE



DETAIL "A"—CONCRETE ANCHOR  
(NOT TO EXCEED 4" ABOVE GROUND LEVEL)

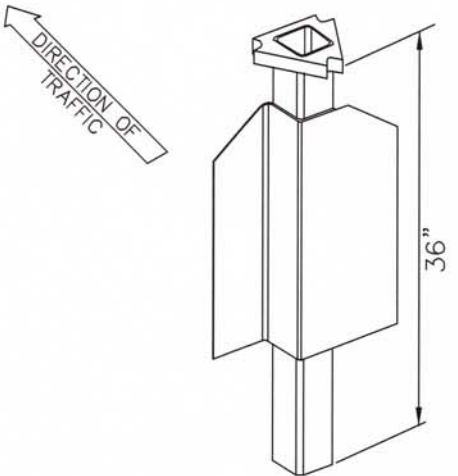


ANCHOR TOP VIEW



- NOTES:
1. CONCRETE SHOULD BE A MINIMUM OF 12" DIA. AND 30" DEEP.
  2. CLASS "A" CONCRETE SHALL BE USED. THE COST SHALL BE INCIDENTAL TO THE PRICE OF STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGNS.

DETAIL "B"—SOIL ANCHOR  
(NOT TO EXCEED 4" ABOVE GROUND LEVEL)



REVISIONS	CITY OF ALBUQUERQUE
	MULTI-DIRECTIONAL SLIP BASE POST DETAILS
	DWG. 2900-703 JULY 2012



## Bergstrasser, Adam C.

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**From:** Varoz, Andrew  
**Sent:** Friday, September 22, 2017 3:16 PM  
**To:** Bergstrasser, Adam C.  
**Cc:** Romero, Ron  
**Subject:** RE: Fair Heights Bike Blvd Proposal (COA 904305)

Adam,

Please use the Activity numbers in the following order. Let me know if you need anything else.

1. 7357470 - \$29,462
2. 7532470 - \$27,805
3. 7100260 - \$8,757
4. 7506380 - \$12,888
5. 7545310 - \$82,000
6. 7532540 - \$116,266

*Andrew G. Varoz*

*Project Manager  
City of Albuquerque  
DMD - Engineering  
(505) 768-3679*

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**From:** Bergstrasser, Adam C.  
**Sent:** Friday, September 22, 2017 2:06 PM  
**To:** Varoz, Andrew  
**Cc:** Romero, Ron  
**Subject:** RE: Fair Heights Bike Blvd Proposal (COA 904305)

Hi Andrew,

As we discussed yesterday, can you please tell me what order to use these activity numbers in?

And of course a bi-weekly construction meeting is a good idea, you got it!

Thanks,

**Adam**

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**From:** Varoz, Andrew  
**Sent:** Tuesday, September 19, 2017 11:50 AM  
**To:** Bergstrasser, Adam C.  
**Cc:** Romero, Ron; Wolfe, Bryan K.  
**Subject:** RE: Fair Heights Bike Blvd Proposal (COA 904305)

Adam,



This looks good to me. I've attached an email that has the listed activity numbers for this project. Once this work is schedule can you please let me know. I would also like to have a bi-weekly construction meeting with Franklin's and our team through the course of the project. Please let me know if you have any questions.

Thanks,

**Andrew G. Varoz**

*Project Manager  
City of Albuquerque  
DMD - Engineering  
(505) 768-3679*

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**From:** Bergstrasser, Adam C.  
**Sent:** Monday, September 18, 2017 3:25 PM  
**To:** Varoz, Andrew  
**Cc:** Romero, Ron; Wolfe, Bryan K.  
**Subject:** FW: Fair Heights Bike Blvd Proposal (COA 904305)

Hi Andrew,

Franklin's proposal and our fees are attached for your review and approval.

Thanks,

**Adam**

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**From:** Romero, Ron  
**Sent:** Monday, September 18, 2017 3:22 PM  
**To:** Bergstrasser, Adam C.  
**Subject:** RE: Fair Heights Bike Blvd Proposal (COA 904305)

Adam,

Looks good. Go ahead and send this to Andrew.

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**From:** Bergstrasser, Adam C.  
**Sent:** Monday, September 18, 2017 2:24 PM  
**To:** Romero, Ron  
**Subject:** FW: Fair Heights Bike Blvd Proposal (COA 904305)

Hi Ron,

I've reviewed this proposal and it looks reasonable to me.

Thanks,

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



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**From:** Jonathan Smith [<mailto:Jons@franklinsearthmoving.com>]  
**Sent:** Monday, September 18, 2017 12:39 PM  
**To:** Bergstrasser, Adam C.  
**Cc:** Gus Harbaugh; Pat Bowen; Sanjay Khurana; Jeff Armstrong  
**Subject:** Fair Heights Bike Blvd Proposal

Good afternoon Adam,

Please see the attached proposal for Fair Heights Bike Blvd. Please remind your user group that all detector work will not be performed until after the completion of A.R.T. If you have any questions please let me know.

Thanks,

*Jon Smith*  
**Franklin's Earthmoving, Inc.**  
**700 Industrial Ave NE**  
**Albuquerque, NM 87107**  
**Cell: 505-377-4836**  
**Fax: 505-883-2604**