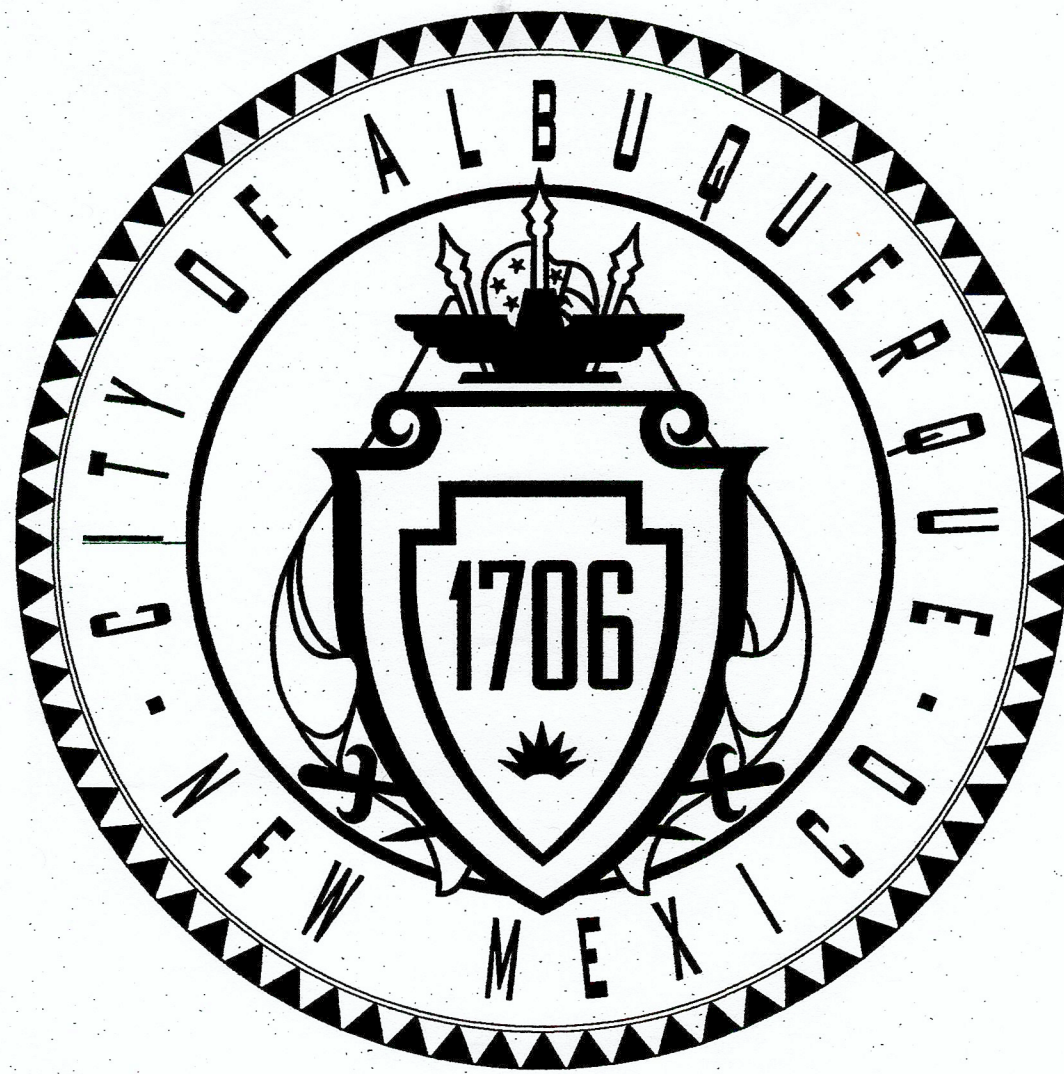


CITY OF ALBUQUERQUE NEW MEXICO

DEPARTMENT OF MUNICIPAL DEVELOPMENT CONSTRUCTION PLANS

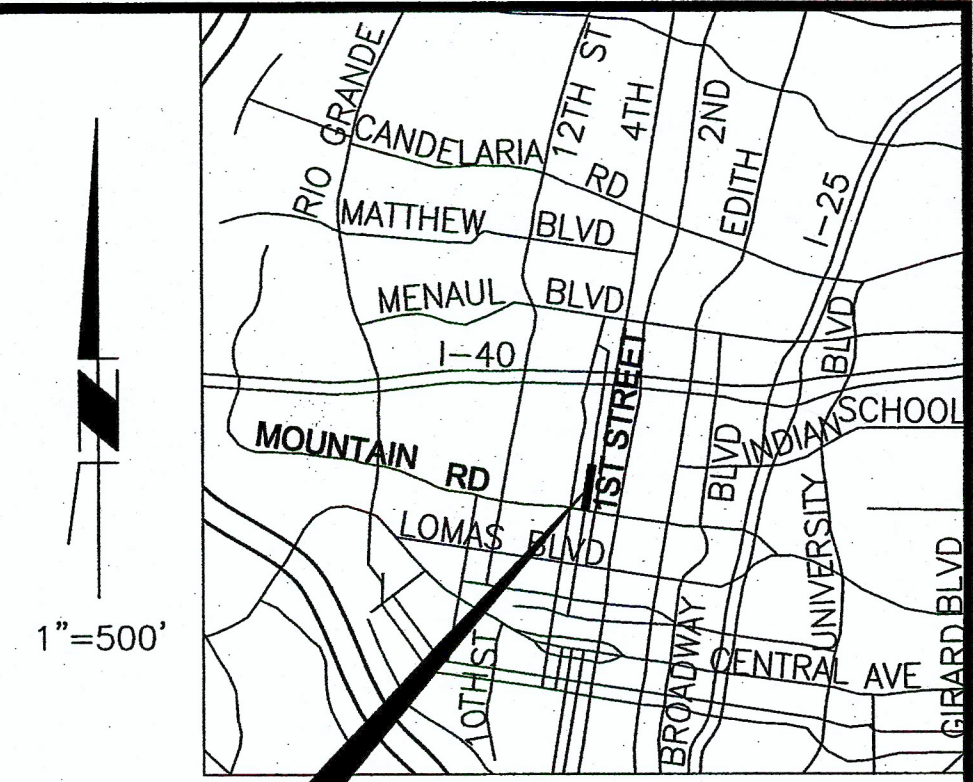
FOR



FIRST STREET BULBOUTS

FIRST STREET AND MOUNTAIN ROAD

COA PROJECT NO. 9042.08



PROJECT AREA
LENGTH OF = 0.1 MILES
PROJECT

VICINITY MAP
1"=500'
ZONE ATLAS - J14

DESCRIPTION OF WORK:
INSTALLATION OF BULBOUTS AND
SIGNING & STRIPING ON 1ST STREET
AT MOUNTAIN RD & ROSEMONT AVE

RECORD DRAWING INFO
CITY INSPECTOR: OLGA LOPEZ
CITY PROJECT MANAGER: SAVANNAH TORRES
CONTRACTOR: TLC PLUMBING AND UTILITY
SURVEYOR: RIO GRANDE SURVEYING CO.
ACCEPTANCE DATE: 06/06/17
CONSTRUCTION PROJECT MANAGER: DON MORALES

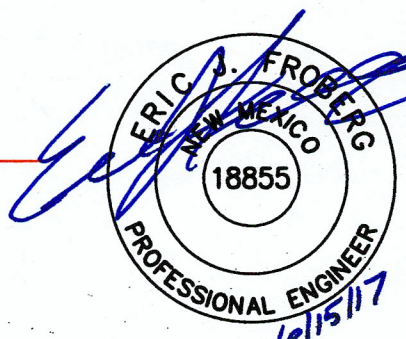
APPROVED AS RECORD DRAWINGS
DMD/CSD
CITY CONSTRUCTION ENGINEER

DATE: 6/15/17

I, THE UNDERSIGNED, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE INDICATED RECORD DRAWINGS ARE BASED UPON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR IN THE FORM OF RED-LINED CONSTRUCTION DRAWING MARKUPS TO THE ORIGINAL DESIGN DRAWINGS. THE TRANSFER OF INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. HOWEVER, I HAVE NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS. ALL INFORMATION INCLUDING VERTICAL AND HORIZONTAL DIMENSIONS SHOULD BE FIELD VERIFIED PRIOR TO USE ON FUTURE PROJECTS.

ERIC J. FROBERG, P.E.
NAME

6/15/17
DATE



UTILITY COMPANY CONTACTS:

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8440 WASHINGTON ST NE
ALBUQUERQUE, NM 87103
CONTACT: MIKE MORTUS
(505) 271-3644
(505) 269-4006

CENTURY LINK
400 TIJERAS NW, SUITE 520
ALBUQUERQUE, NM 87102
CONTACT: ROSARITO KNIFFIN
(505) 245-6374

CENTURY LINK
LONG DISTANCE TELECOM
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(520) 971-7256

MCI VERIZON
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CONTACT: MATTHEW STRUGIS
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ZAYO FIBER SOLUTIONS
3150 CARLISLE BLVD NE
ALBUQUERQUE, NM 87110
CONTACT: JIM LARKIN
(505) 835-7987

PNM ELECTRIC
4201 EDITH BLVD. NE, ES-10
ALBUQUERQUE, NM 87107
CONTACT: PAUL DUNAGAN
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LEVEL 3
3830 SINGER BLVD NE, SUITE 2000
ALBUQUERQUE, NM 87109
CONTACT: JOHN HUFNAGEL
(505) 938-7326

CITY OF ABQ
ONE CIVIC PLAZA, TRAFFIC OPS
P.O. BOX 1293
ALBUQUERQUE, NM 87103
CONTACT: MATTHEW YANNONI
(505) 238-5697

NEW MEXICO GAS
MAIL STOP GS66
4625 EDITH BLVD. NE
ALBUQUERQUE, NM 87107
CONTACT: ROBERT SMITH
(505) 697-3169

ABCWJA
ONE CIVIC PLAZA
P.O. BOX 568
ALBUQUERQUE, NM 87103
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(505) 289-3086

Two working days before you dig
CALL NEW MEXICO ONE CALL SYSTEM

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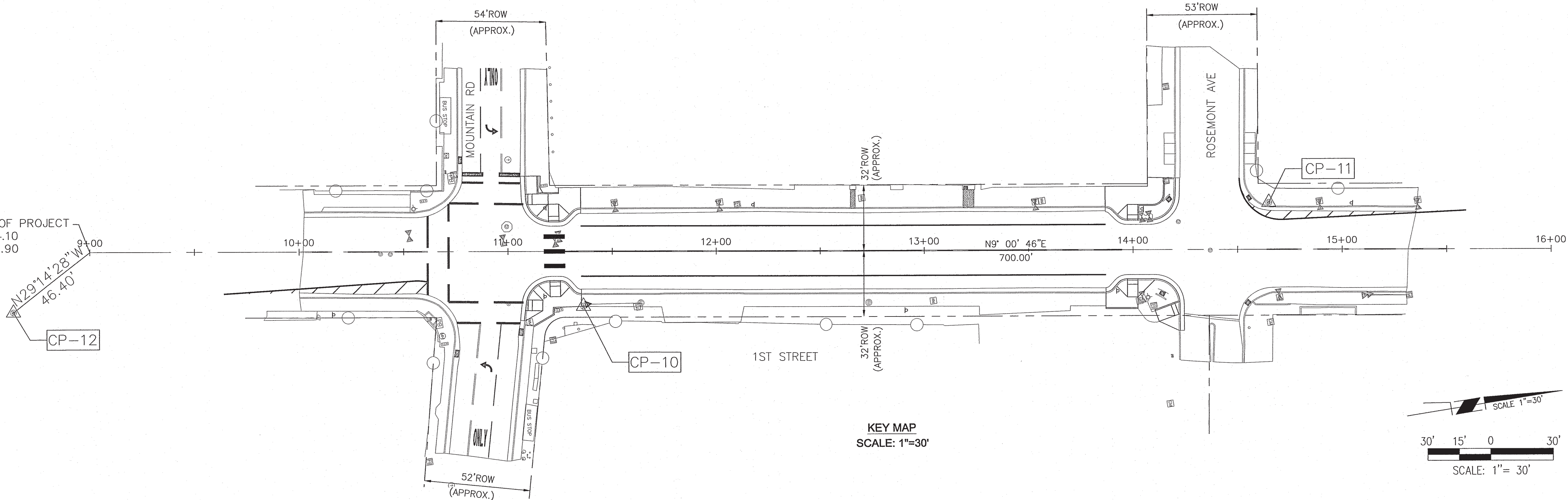
500 4th Street NW Suite 403
Bank of America Centre
Albuquerque, NM 87102

REV.	DATE	CITY ENGINEER	DATE	USER DEPARTMENT DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****	
		DCR Chairman	<i>Eric J. Froberg</i>	8/22/16	APPROVED FOR CONSTRUCTION	
		Transportation	<i>Don Morales</i>	8/22/16		
		Water/Wastewater	<i>Don Morales</i>	8/22/16		
		Hydrology	<i>Don Morales</i>	8/22/16		
		Parks	<i>Don Morales</i>	8/22/16		
08/17/2016		Constr. Mngmt.			<i>Eric J. Froberg</i> 8/23/16 City Engineer Date	
		Constr. Coord.				
		City Project No. 9042.08			Sheet 1	Of 16

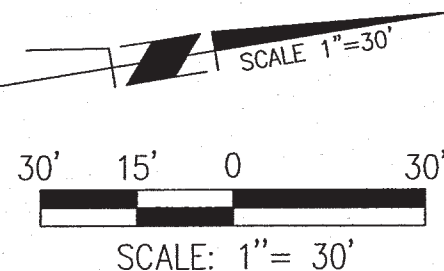
RECORD DRAWING

RECORD DRAWING

BEGINNING OF PROJECT
N: 1,490,264.10
E: 1,522,407.90



KEY MAP
SCALE: 1"=30'



PROJECT CONTROL POINTS			
NO.	NORTHING	EASTING	ELEVATION
CP-10	1,490,825.62	1,522,474.25	4957.87
CP-11	1,490,493.16	1,522,470.78	4958.16
CP-12	1,490,223.61	1,522,430.57	4967.68

- SHEET INDEX:**
- 1 COVER SHEET & VICINITY MAP
 - 2 KEY MAP
 - 3 GENERAL NOTES
 - 4 TYPICAL SECTIONS & LEGEND
 - 5 SUMMARY OF QUANTITIES
 - 6 DEMOLITION PLAN
 - 7 PLAN VIEW
 - 8 SIGNING AND STRIPING
 - 9 CURB RAMP DETAILS
 - 10 INTERSECTION DETAILS
 - 11-12 SIGNING AND STRIPING DETAILS
 - 13-15 SIDEWALK CULVERT DETAILS
 - 16 UTILITY DETAILS

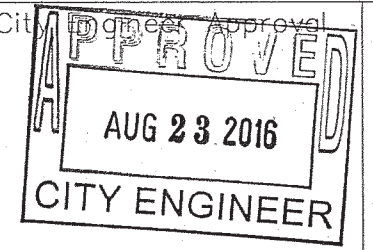
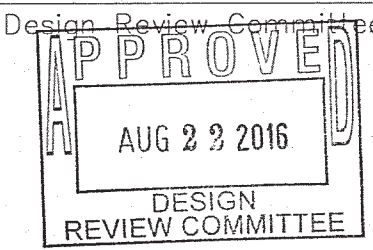
No Contractor Markups this sheet

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500 4th Street NW Suite 403
Bank of America Centre
Albuquerque, NM 87102



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **1ST STREET AND MOUNTAIN ROAD**
KEY MAP



City Project No. 9042.08 Zone Map No. J14 Sheet 2 of 16

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	08/17/2016	NO.	BY	DATE	ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM 17_J14 (3 1/4" ALUMINUM DISC)	CONTRACTOR STAMPED BY	DATE
						MICRO-FILM INFORMATION	
						RECORDED BY	
						NO.	

DESIGNED BY: BLONG	DATE: 08/2016
DRAWN BY: BLONG	DATE: 08/2016
CHECKED BY: E. FROBERG	DATE: 08/2016

RECORD DRAWING

RECORD DRAWING

GENERAL NOTES:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, THROUGH UPDATE #9, AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
3. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.
4. THE CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR 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. THE 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. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. 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.
7. ALL STREET STRIPING, ALTERED OR DESTROYED, SHALL BE REPLACED WITH THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO DMD, CONSTRUCTION SERVICES DIVISION, A DETAILED CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL OBTAIN EXCAVATION AND BARRICADE PERMIT TWO (2) DAYS PRIOR TO CONSTRUCTION.
9. NO PAVING ACTIVITIES SHALL BE STARTED UNTIL THE LOCATION AND SERVICEABILITY OF ALL UNDERGROUND UTILITIES WITHIN THE ROADWAY ARE APPROVED BY THE UTILITY OWNER AND THE CITY.
10. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES.
11. THE CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND WATER, WASTEWATER, REUSE WATER, TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM OF EVERY FIFTEEN (15) FEET. THE CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
12. CONTRACTOR IS RESPONSIBLE FOR DRAINAGE MANAGEMENT AND EROSION CONTROL AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
13. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
14. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
15. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P AND COA STD. DWG. 2465.
16. IF A PAVEMENT DROP-OFF IS CREATED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION TO MAINTAIN A SMOOTH TRANSITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO PROJECT COMPLETION.
17. A FOG SEAL COAT SHALL BE APPLIED TO ALL NEW AND EXISTING PAVEMENTS PRIOR TO FINAL STRIPING OF THE PROJECT. LIMITS OF THE COAT SHALL BE THROUGHOUT THE ENTIRE PROJECT AND INCIDENTAL TO THE PROJECT.
18. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CITY PROJECT MANAGER OR CONSTRUCTION INSPECTOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY AND COVERED THROUGH THE ALLOWANCE ESTABLISHED FOR THIS PROJECT.
19. 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 HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
20. 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.

21. 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 INSPECTOR.
22. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE CITY 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.
23. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE, AT HIS EXPENSE, ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
24. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE M.U.T.C.D., U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
25. 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.
26. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, SIGNAGE, CURB & GUTTER, DRIVEPADS, ADA CURB RAMPS, 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.
27. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
28. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE PROJECT SITE INTO PUBLIC RIGHT-OF-WAY.
29. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
30. ANY DISTURBED OR CONSTRUCTED SLOPE EXCEEDING 3:1 SHALL BE RE-VEGETATED/SEEDED WITH CLASS "A" NATIVE SEED WITH STRAW MULCH.
31. CONTRACTOR SHALL MAKE EVERY EFFORT TO REMOVE GRAFFITI FROM ANY EXISTING OR PROPOSED SURFACE WITHIN THE PROJECT CORRIDOR WITHIN 24 HOURS. GRAFFITI REMOVAL SHALL BE INCIDENTAL TO THE COMPLETION OF THE PROJECT.
32. ALL SIDEWALKS AND CURB RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY.
33. WARPING OF SLOPES: THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION EASEMENT LIMITS, SUBJECT TO THE APPROVAL OF THE CITY PROJECT MANAGER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE THEREFORE.
34. BEFORE SCHEDULING DELIVERY OF CONCRETE, CONTRACTOR SHALL MEET WITH CITY INSPECTOR/PROJECT MANAGER TO ENSURE THE CONCRETE FORMWORK IS CONSTRUCTED TO DIMENSIONS AND GRADES SHOWN ON PLANS AND MEETS PROWAG, 2011 TECHNICAL DESIGN CRITERIA. CONTRACTOR SHALL CALIBRATE 24" ELECTRONIC DIGITAL LEVEL PRIOR TO VERIFYING MEASUREMENTS. CONTRACTOR SHALL VERIFY MEASUREMENTS MEET REQUIREMENTS OR REQUIRE CORRECTION OF ALL DISCREPANCIES BEFORE SCHEDULING OF CONCRETE TO ENSURE THE FINISHED CONCRETE WILL MEET PROWAG REQUIREMENTS. WHEN ALL MEASUREMENTS MEET REQUIREMENTS THEN THE INSPECTOR SHALL PERMIT CONCRETE POUR. CONTRACTOR SHALL REPEAT THE PROCEDURE AFTER CONCRETE POUR TO ENSURE THE CURB RAMP MEETS PROWAG COMPLIANCE. FINAL ACCEPTANCE OF A CURB RAMP DOES NOT OCCUR UNTIL THE FINAL INSPECTION OF THE PROJECT. THIS PROCEDURE SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE ADA CURB RAMPS AND THE PROJECT.
35. BASE COURSE SHALL BE REQUIRED UNDER (AND 12" BEHIND) THE PROPOSED CURB AND GUTTER PER COA DWG 2408. THE BASE COURSE UNDER/BEHIND THE CURB AND GUTTER IS INCIDENTAL TO THE CURB AND GUTTER BID ITEMS (BID ITEMS #9 & #10) AND NO ADDITIONAL PAYMENT SHALL BE MADE.
36. CONTRACTOR TO REMOVE EXISTING SIDEWALK TO NEAREST JOINT WHEN TYING IN PROPOSED CURB RAMP. SIDEWALK REPLACEMENT TO NEXT JOINT SHALL BE INCIDENTAL TO THE PROJECT.
37. CURB, GUTTER, AND SIDEWALKS SHALL MATCH ELEVATIONS OF ABUTTING EXISTING AREA AS SHOWN ON PLAN OR DIRECTED BY ENGINEER.
38. TWO (2) WEEKS PRIOR TO CONSTRUCTION, CONTRACTOR TO NOTIFY ABQ RIDE TRANSIT DEPARTMENT TO DISCUSS THE TRAFFIC CONTROL PLAN. CONTACT PERSON SHABIH RIZVI (505)724-3134(o), (505)334-0253(o), EMAIL: SRIZVI@CABQ.GOV.
39. SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. SIDEWALK AND CURB RAMP SURFACES SHALL PROVIDE CONSISTENT SLOPES WITHIN EACH SECTION.
40. ALL BROOM FINISHES SHALL BE PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.
41. A VERTICAL CHANGE OF 1/4 INCH (6mm) OR LESS IS ALLOWED. IF BETWEEN 1/4 INCH AND 1/2 INCH (6mm AND 13mm), THEN IT NEEDS TO BE BEVELED 2:1. CHANGES GREATER THAN 1/2 INCH SHALL BE RAMPED.
42. OPENINGS OR CRACKS IN SIDEWALK SURFACES SHALL NOT EXCEED 1/2 INCH (13mm). ELONGATED OPENINGS SHOULD BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR OR DIAGONAL.
43. THE LEAST POSSIBLE CURB RAMP SLOPE SHALL BE USED. CURB RAMPS RUNNING SLOPE SHALL NOT EXCEED 8.3%. WHERE EXISTING TERRAIN IS STEEP, CURB RAMPS NEED NOT EXCEED 15 FEET IN LENGTH.
44. THE CONTRACTOR SHALL TRANSPORT ALL EXISTING SIGNS TO BE REMOVED AND SALVAGED TO THE PINO YARD. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

45. PROVIDE A FLUSH TRANSITION BETWEEN CURB RAMPS, SIDEWALKS, GUTTER, AND EDGE OF PAVEMENT, FREE OF DRAINAGE LIP, ABRUPT GRADE CHANGES, DROP-OFFS, OR ANY SURFACE IRREGULARITIES. A 5% (20:1) OR FLATTER TRANSITION TAPER SHALL BE PROVIDED FROM THE STREET TO THE GUTTER FOR CURB RAMP LOCATIONS (THIS MAY REQUIRE SPECIAL TREATMENT OF THE EDGE OF O.G.F.C.) WHEN DIAGONAL (NOT IN LINE WITH CROSSWALKS) CURB RAMPS ARE NECESSARY. A 2% (50:1) TRANSITION OR "LOWER LANDING" SHALL BE PROVIDED. THE GUTTER RUNNING SLOPE (FLOW LINE) SHALL NOT EXCEED 2% MEASURED ALONG THE BOTTOM OF THE RAMP.
46. CURB RAMPS SHALL BE LOCATED TO PROVIDE THE MOST DIRECT ROUTE OF TRAVEL ACROSS THE TRAFFIC LANES.
47. TWO DIRECTIONAL (IN LINE WITH THE CROSSWALKS) CURB RAMPS PER CORNER ARE USED IN ORDER TO PROVIDE SHORT AND DIRECT CROSSINGS FOR THE USER.
48. SIGN POSTS, UTILITY POLES, FIRE HYDRANTS, TRAFFIC SIGNAL STANDARDS, LIGHT POLES, PULL BOXES, METERS, VALVES, ETC., SHALL NOT BE, TO THE EXTENT POSSIBLE, LOCATED IN THE CURB RAMP INCLUDING SIDE FLARES AND LANDINGS.
49. IN ORDER TO BETTER ACCOMMODATE CONDITIONS IN THE FIELD, THE CONTRACTOR SHALL OBTAIN FINAL APPROVAL OF CURB RAMP LOCATIONS FROM THE PROJECT MANAGER AND THE CITY CONSTRUCTION ENGINEER. WHEN NECESSITATED BY EXISTING PHYSICAL CONDITIONS. ALTERNATE CURB RAMPS MUST BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL BY THE CITY CONSTRUCTION ENGINEER.
50. LANDINGS SHALL BE A MINIMUM OF 5' X 5'. SLOPES SHALL NOT EXCEED 2% (50:1) IN ALL DIRECTIONS.
51. DETECTABLE WARNINGS (24" WIDE) ARE REQUIRED AT ALL STREET INTERSECTIONS, SIGNALIZED DRIVEWAYS, COMMERCIAL DRIVEWAYS 30' WIDE OR GREATER, AND MARKED MID-BLOCK CROSSWALKS.
52. SUBMIT SPECIFICATIONS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
53. CONTRACTOR IS TO ENSURE THE PEDESTRIAN TRAVELED PATHS CROSSING INTERSECTIONS AND DRIVEWAYS ARE COMPLIANT DURING CONSTRUCTION.
54. CONTRACTOR TO TACK WELD BOLTS AND STEEL PLATE OF SIDEWALK CULVERTS.
55. 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. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.
56. PEDESTRIAN ACCESS: 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 48" CLEAR PATH FOR PEDESTRIANS SO AS TO MEET PROWAG REQUIREMENTS. ALL TEMPORARY PEDESTRIAN FACILITIES IMPLEMENTED DURING CONSTRUCTION SHALL COMPLY WITH PROWAG STANDARDS.
57. 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 ENGINEER THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE PROJECT ENGINEER 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. AS BUILT PLANS SHALL BE INCIDENTAL TO THE CONSTRUCTION OF THE PROJECT.
58. 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.
59. THE CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 AM OR CONTINUE WORK AFTER 7:00PM WITHOUT THE APPROVAL OF THE COA CONSTRUCTION ENGINEER.
60. 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.

No Contractor Markups this sheet
GENERAL NOTES CONTINUED, NEXT PAGE.

TY LIN INTERNATIONAL engineers planners scientists 500 4th Street NW Suite 403 Bank of America Centre Albuquerque, NM 87102 CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION TITLE: 1ST STREET AND MOUNTAIN ROAD GENERAL NOTES DESIGN REVIEW COMMITTEE APPROVED AUG 23 2016 DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVED AUG 23 2016 CITY ENGINEER City Project No. 9042.08 Zone Map No. J14 Sheet 3 Of 16		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO. DATE		BY DATE		ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM		CONTRACTOR	
REVISIONS		REMARKS		FIELD NOTES		BENCH MARKS		AS BUILT INFORMATION	
DESIGNED BY: B LONG		DATE: 08/2016		NO.		17-J14 (3 1/4" ALUMINUM DISC)		CONTRACTOR	
DRAWN BY: B LONG		DATE: 08/2016		BY		NM STATE PLANE COORDINATES		DRAWN BY	
CHECKED BY: E.FROBERG		DATE: 08/2016		DATE		CENTRAL ZONE NAD 1983		CHECKED BY	
				DATE		ELEVATION=4957.484 (NAVD 1986)		DATE	
				DATE		WITHIN WEST MEDIAN AT THE INTERSECTION		DATE	
				DATE		OF LOMAS AVE. NW AND EIGHTH ST. NW		DATE	
				DATE		SET FLUSH WITH TOP OF THE CONCRETE		DATE	

RECORD DRAWING

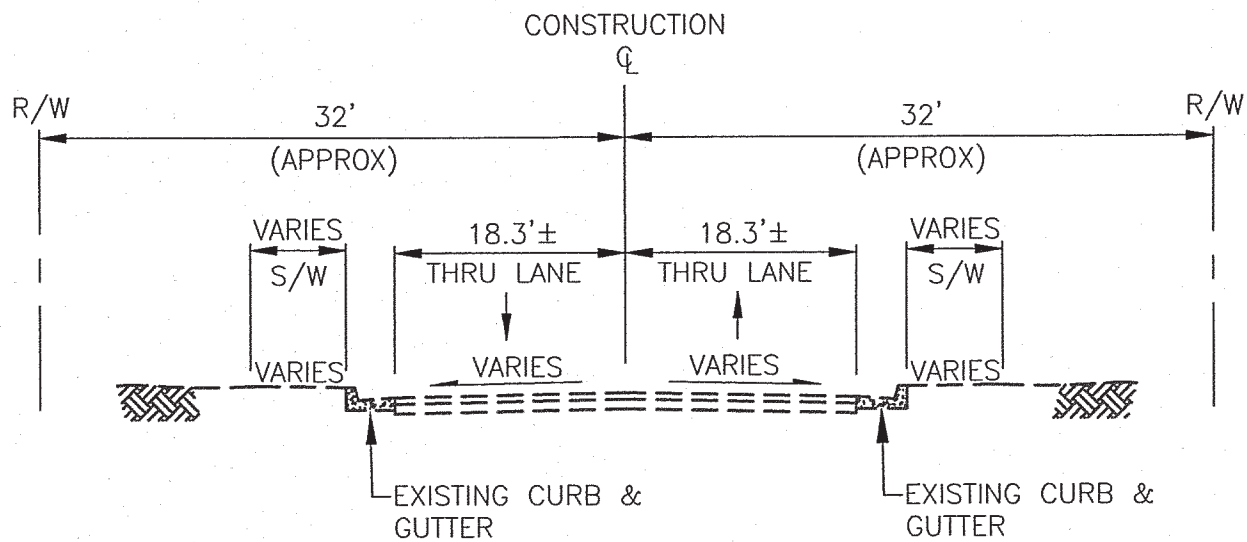
RECORD DRAWING

LEGEND

- BENCHMARK
- CONSTRUCTION CENTER LINE
- COMBINED CURB & GUTTER/MEDIAN CURB – C.O.A. DETAIL 2415A/2415B
- NEW CONCRETE SIDEWALK RAMP – C.O.A. DETAIL 2440/2441
- REMOVE AND DISPOSE EXISTING SIDEWALK
- REMOVE AND DISPOSE EXISTING PAVEMENT
- TEXTURED CONCRETE (CONCRETE MEDIAN PAVING)
- INSTALL NEW PAVEMENT
- EXISTING IRRIGATION CONTROL VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN CURB INLET
- EXISTING STORM DROP INLET
- EXISTING SEWER MANHOLE
- EXISTING ELECTRICAL METER
- EXISTING ELECTRICAL BOX/PEDESTAL
- EXISTING TELEPHONE PEDESTAL
- EXISTING TRANSFORMER
- EXISTING PEDESTRIAN SIGNAL
- EXISTING TRAFFIC SIGNAL
- EXISTING TRAFFIC SIGNAL BOX
- EXISTING STREET LIGHT BOX
- EXISTING UTILITY POLE W/LINE INDICATING WIRE DIRECTION
- EXISTING WIRE FENCE
- EXISTING GUARDRAIL
- EXISTING SINGLE AND DOUBLE POST SIGN
- EXISTING POST
- EXISTING POWER POLE DOWN GUY ANCHOR
- EXISTING LIGHT POLE
- EXISTING STREET LIGHT
- PAVEMENT CENTER LINE OR MONUMENT LINE
- EXISTING TELEPHONE LINE
- EXISTING FIBER OPTIC LINE
- EXISTING TRAFFIC SIGNAL LINE
- EXISTING GAS LINE
- EXISTING NON POTABLE WATER LINE
- EXISTING WATER LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING CABLE TELEVISION LINE

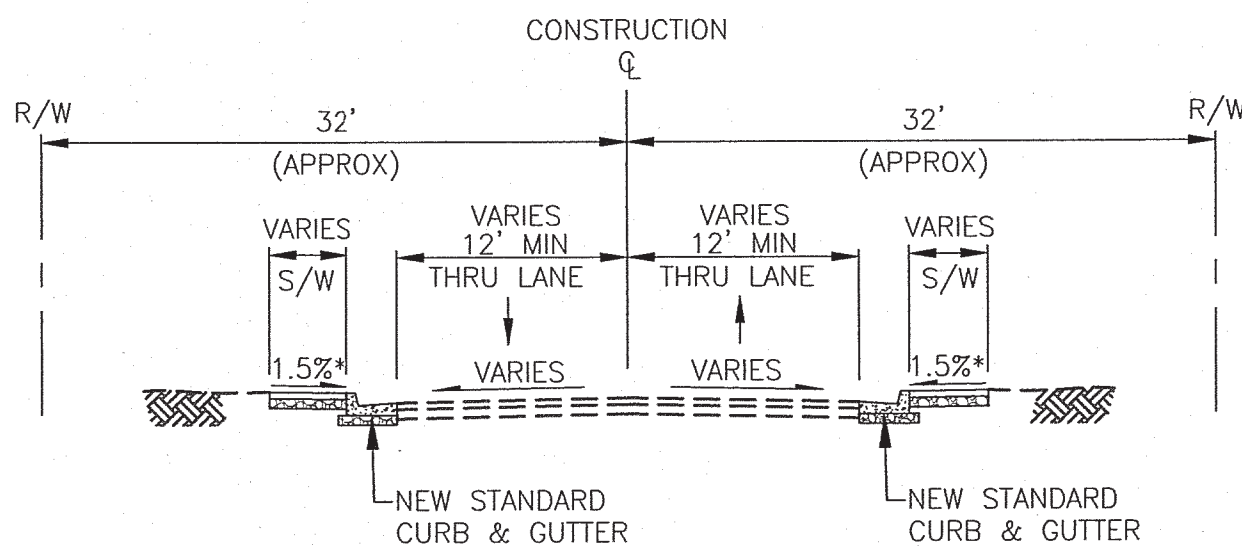
ABBREVIATIONS DEFINITIONS

- ABCWUA ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
- COA CITY OF ALBUQUERQUE
- TC TOP OF CURB
- BC BACK OF CURB
- P PAVEMENT/CONCRETE ELEVATION (APPROXIMATE)
- ROW (APPROX.) RIGHT OF WAY
- TOP TOP OF PLATE



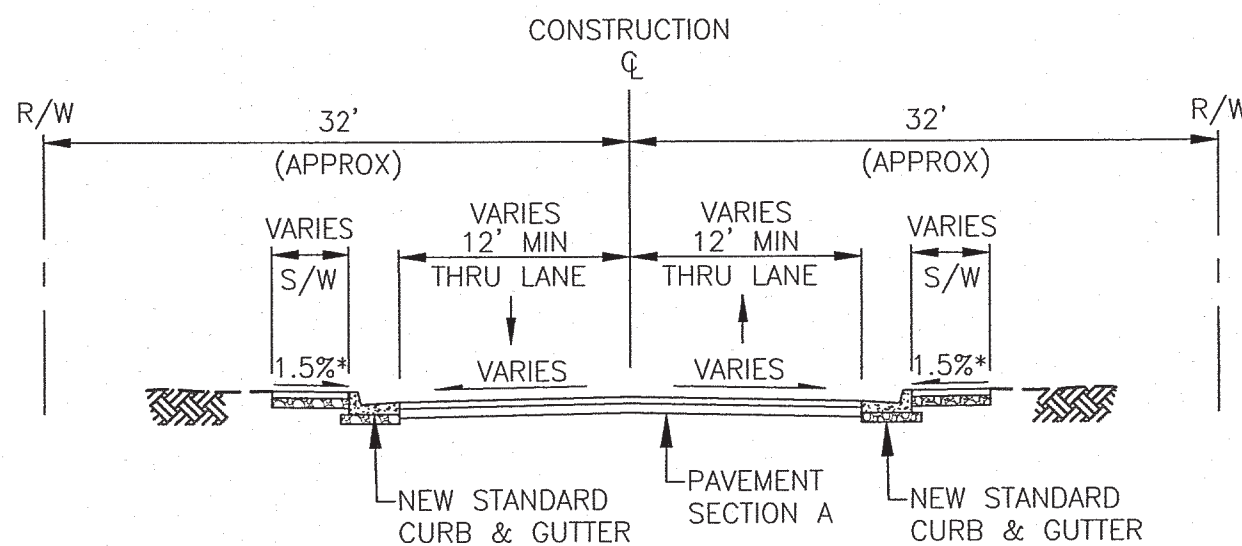
1ST STREET (LOOKING NORTH) - EXISTING

STA 9+34.12 TO STA 10+75.53
STA 11+08.55 TO STA 14+21.89
STA 14+53.26 TO STA 15+60.22



1ST STREET (LOOKING NORTH) - PROPOSED BULBOUT

STA 11+08.72 TO STA 11+35.15



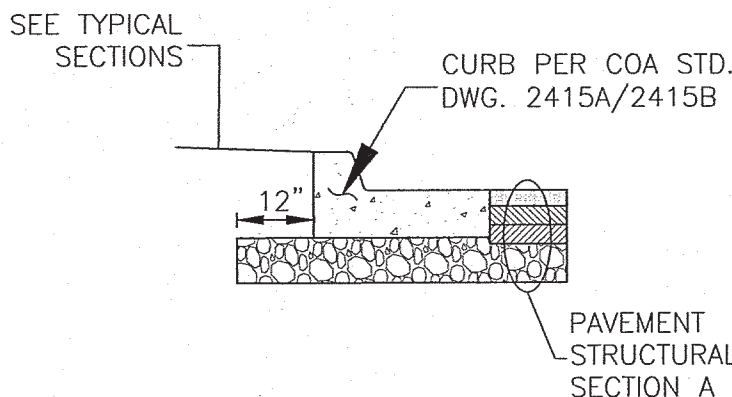
1ST STREET (LOOKING NORTH) - PROPOSED BULBOUT

STA 13+86.89 TO STA 14+27.42

- 2" AC (ARTERIAL ASPHALT SP-III)
- TACK COAT
- 2" AC (ARTERIAL ASPHALT SP-III)
- 12" ABC (95% COMPACTION)
- 12" SUBGRADE PREPARATION (95% COMPACTION)
- R-VALUE ≥ 50
- TOTAL THICKNESS = 16 INCHES

PAVEMENT STRUCTURAL SECTION A

1ST STREET STA 13+86.89 TO 14+29.44



STANDARD CURB DETAIL

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DRAWN BY: B LONG		CHECKED BY: E.FROBERG	
CONTRACTOR	DATE	ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM	DATE	FIELD NOTES	DATE	[Seal]		NO.	DATE	DESIGNED BY: B LONG	DATE: 08/2016	DESIGNED BY: B LONG	DATE: 08/2016	CHECKED BY: E.FROBERG	DATE: 08/2016
INSPECTOR'S	DATE	17 J14 (3 1/4" ALUMINUM DISC)	DATE	BY	BY					DRAWN BY: B LONG	DATE: 08/2016				
ACCEPTANCE BY	DATE	NM STATE PLANE COORDINATES	DATE			[Seal]				REVISIONS					
VERIFICATION BY	DATE	CENTRAL ZONE NAD 1983	DATE							DESIGN					
DRAWINGS	DATE	ELEVATION=4957.484 (NAVD 1986)	DATE			[Seal]									
CORRECTED BY	DATE	WITHIN WEST MEDIAN AT THE INTERSECTION	DATE												
MACRO-FILM INFORMATION	DATE	OF LOMAS AVE. NW AND EIGHTH ST. NW	DATE			[Seal]									
	DATE	SET FLUSH WITH TOP OF THE CONCRETE	DATE												

GENERAL NOTES CONTINUED:

- MEDIAN PAVING SHALL BE DAVIS 'SAN DIEGO BUFF OR EQUAL, 1.5 LBS PER 94 LB SACK OF CEMENT. CONCRETE MIX SHALL BE IN ACCORDANCE WITH COA STANDARD MIX DESIGN AND SHALL BE CERTIFIED BY THE CITY OF ALBUQUERQUE PRIOR TO USE. MEDIAN PAVING FINISH SHALL BE 4'X4' SCORE PATTERN WITH MEDIUM BRUSH FINISH AND 6" WIDE TROWEL EDGE AT JOINTS AND PERIMETER. DIRECTION OF BRUSH FINISH SHALL ALTERNATE ON ADJACENT STONES.
- DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND SUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION INSPECTOR. IDENTIFICATION OF A SITE AND VERIFICATION OF SITE SUITABILITY IS CONSIDERED INCIDENTAL TO THE PROJECT.
- CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE CITY PROJECT MANAGER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.

No Contractor Markups this sheet

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Bank of America Centre
Albuquerque, NM 87102

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **1ST STREET AND MOUNTAIN ROAD**
TYPICAL SECTIONS & LEGEND

APPROVED AUG 22 2016 DESIGN REVIEW COMMITTEE
APPROVED AUG 23 2016 CITY ENGINEER

City Project No. 9042.08 Zone Map No. J14 Sheet 4 of 16

RECORD DRAWING

RECORD DRAWING

BID ITEM	ITEM ID No.	ITEM DESCRIPTION	UNIT	TOTAL
1	116.02b	Placement Arterial Asphalt Concrete 2" Thick, with Machine Laydown, for Quantities Greater than 200 SY., cip	SY	322
2	301.020	Subgrade Prep. 12" at 95% compaction, cip	SY	161
3	302.010	Aggregate Base Course, Crushed, 12" at 95% Compaction, cip. SD 2408	SY	161
4	336.022	Arterial Asphalt Concrete, SP III, 2" thick	SY	322
5	336.120	Tack Coat, cationic emulsified asphalt, cip.	SY	161
6	340.010	Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430	SY	85
7	340.025	Curb Ramp, 4" PCC, Std. Curb., cip. SD 2418	SY	55
8	340.023 1a	Detectable Warning Surface	SF	71
9	340.050	Curb & Gutter, Standard & Header, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415A	LF	193
10	340.110	Header Curb, Portland Cement Concrete, incl. subgrade, cip., SD 2415B	LF	98
11	340.21	24" Sidewalk Drain (Modified), cip., SD 2236	SF	49
12	343.02	Existing Pavement, PC Concrete, more than 4" Thick, Sawcut, Remove & Dispose, compl.	SY	242
13	343.080	Existing Curb & Gutter, PC Concrete, Remove & Dispose, compl.	LF	201
14	343.09	Existing Sidewalk, 4" PC Concrete, Remove & Dispose	SY	71
15	343.08X	Existing Curb Ramp, Remove & Dispose, Compl.	SY	22
16	346.1	Textured Pavement, 4" thick Colored Portland Cement Concrete, Incl. Subgrade Compaction, cip.	SF	262
17	440.002	Paint Curb Yellow	LF	189
18	441.001	Reflectorized Plastic Pavement Markings, 4" Width Double Yellow Stripe, cip.	LF	268
19	441.001	Reflectorized Plastic Pavement Markings, 4" Width Solid White Stripe, cip.	LF	73
20	441.002	Reflectorized Plastic Pavement Markings, 6" Width Solid White Stripe, cip.	LF	721
21	441.005	Reflectorized Plastic Pavement Markings, 24" Width Pedestrian White Solid Marking, cip.	LF	30
22	443.101	Removal of Pavement Stripe, Any Width, Painted or Plastic, Compl	LF	353
23	450.001	Aluminum Panel Sign, cip	SF	66
24	450.01	Square Tube Steel Posts & Base Posts for Aluminum Panel Sign, cip	LF	123
25	450.101	Sign, Posts & Base Post, Remove & Salvage, Compl.	EA	3

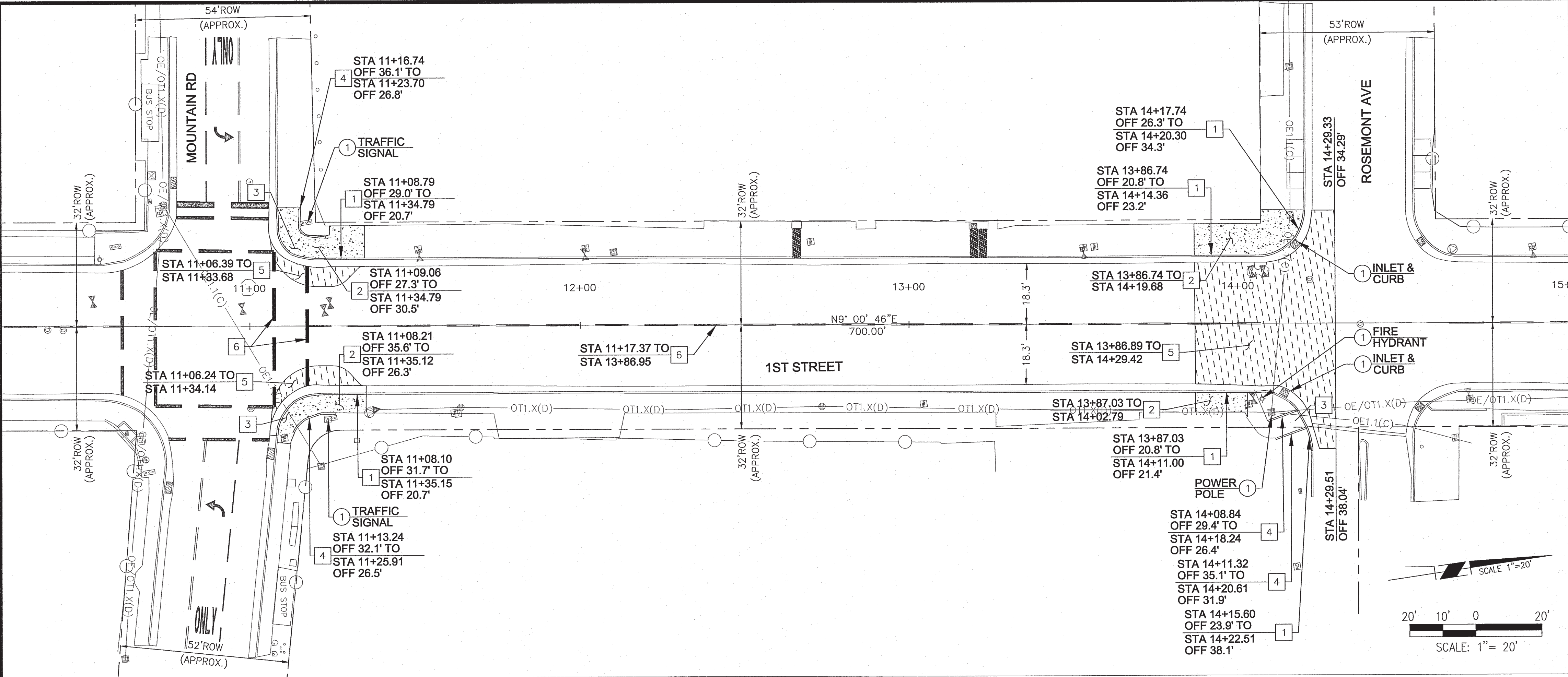
ABCWUA BID ITEMS				
26	801.111	Water Valve Box, Adjust to Grade, cip.	EA	2
27	802.4	Water Meter Box , Adjust to grade, compl.	EA	1
28	920.410	Existing Manhole Frame & Cover, Adjust to pavement grade where adjustment of concrete or block barrel is required, cip	EA	1

 TY LIN INTERNATIONAL engineers planners scientists 500 4th Street NW Suite 403 Bank of America Centre Albuquerque, NM 87102		 CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION		 08/17/2016	
TITLE: 1st STREET AND MOUNTAIN ROAD SUMMARY OF QUANTITIES		ENGINEER'S SEAL		SURVEY INFORMATION	
APPROVED AUG 23 2016 DESIGN REVIEW COMMITTEE		APPROVED AUG 23 2016 CITY ENGINEER		BENCH MARKS	
APPROVED AUG 23 2016 DESIGN REVIEW COMMITTEE		APPROVED AUG 23 2016 CITY ENGINEER		AS BUILT INFORMATION	
APPROVED AUG 23 2016 DESIGN REVIEW COMMITTEE		APPROVED AUG 23 2016 CITY ENGINEER		AS BUILT INFORMATION	
APPROVED AUG 23 2016 DESIGN REVIEW COMMITTEE		APPROVED AUG 23 2016 CITY ENGINEER		AS BUILT INFORMATION	
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APPROVED AUG 23 2016 DESIGN REVIEW COMMITTEE		APPROVED AUG 23 2016 CITY ENGINE			

No Contractor Markups this sheet

RECORD DRAWING

RECORD DRAWING



- REMOVALS**
- 1 REMOVE EXISTING CURB AND GUTTER
 - 2 REMOVE EXISTING SIDEWALK TO NEAREST EXISTING JOINT
 - 3 REMOVE EXISTING CURB RAMP
 - 4 REMOVE EXISTING HEADER CURB
 - 5 SAWCUT AND REMOVE EXISTING PAVEMENT
 - 6 REMOVE EXISTING PAINT STRIPE
 - 1 PROTECT IN PLACE

GENERAL NOTES:

- 1. PROTECT EXISTING STORM INLET, DRAIN, AND INFRASTRUCTURE IN PLACE.
- 2. ALL RIGHT OF WAY DIMENSIONS ARE APPROXIMATE.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM	FIELD NOTES	NO.	BY	DATE	DATE
WORKED BY	DATE	17 J14 (3 1/4" ALUMINUM DISC)					
INSPECTOR'S	DATE	NM STATE PLANE COORDINATES					
ACCEPTANCE BY	DATE	CENTRAL ZONE NAD 1983					
VERIFICATION BY	DATE	ELEVATION=4957.484 (NAVD 1983)					
DRAWINGS	DATE	WITHIN WEST MEDIAN AT THE INTERSECTION					
CORRECTED BY	DATE	OF LOMAS AVE. NW AND EIGHTH ST. NW					
MICRO-FILM INFORMATION	DATE	SET FLUSH WITH TOP OF THE CONCRETE					
RECORDED BY	DATE						
NO.							

ERIC J. FROBERG
NEW MEXICO
18855
PROFESSIONAL ENGINEER
08/17/2016

Two working days before you dig
CALL NOW MEXICO ONE CALL SYSTEM
260-1990

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Albuquerque, NM 87102

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

**TITLE: 1ST STREET AND MOUNTAIN ROAD
DEMOLITION PLAN
STA 11+00 TO 15+00**

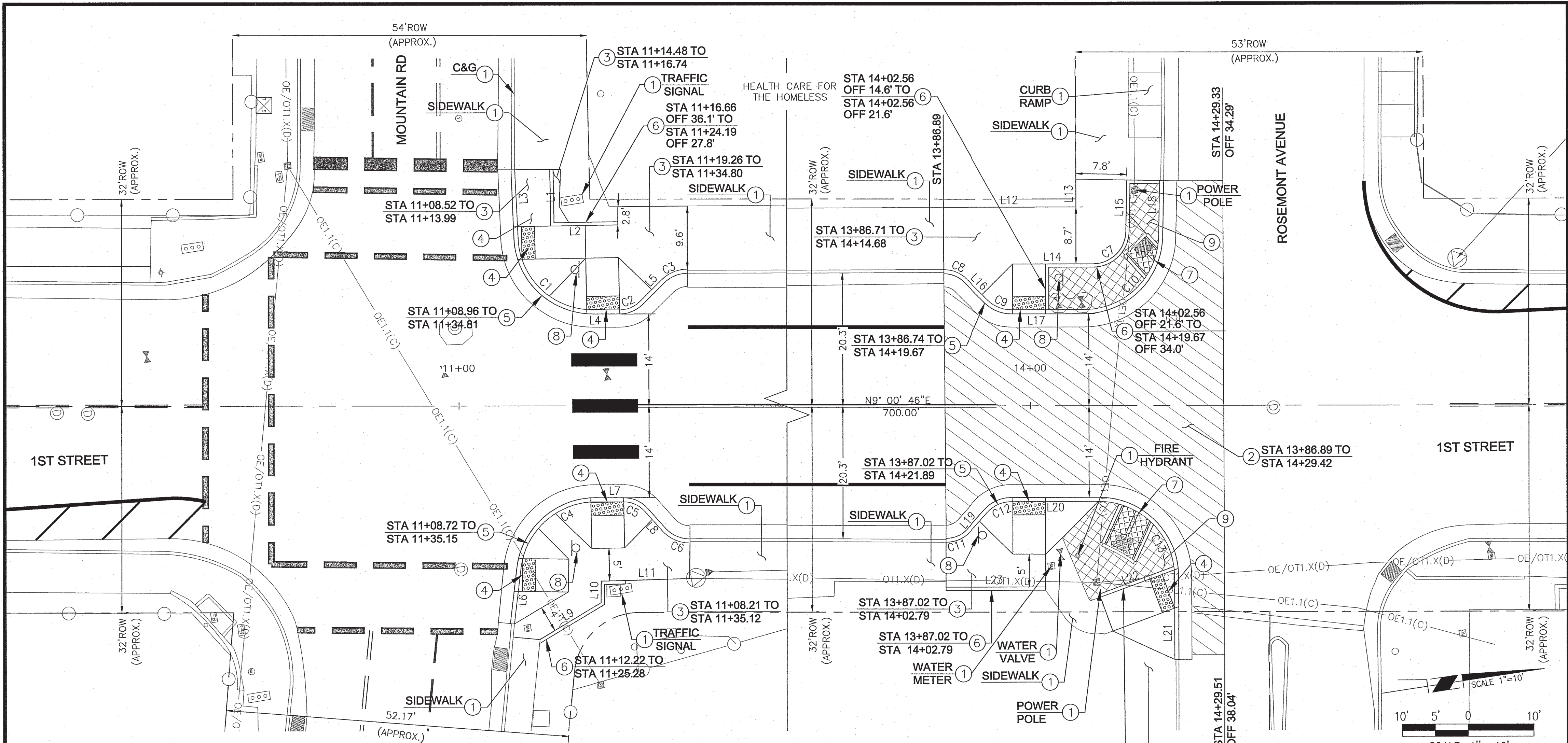
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED AUG 23 2016 DESIGN REVIEW COMMITTEE	APPROVED AUG 23 2016 CITY ENGINEER		
Last Design Update			

City Project No. 9042.08 Zone Map No. J14 Sheet 6 of 16

No Contractor Markups this sheet

RECORD DRAWING

RECORD DRAWING



BACK OF CURB, SIDEWALK OR HEADER CURB LINE TABLE		
LINE #	LENGTH	BEARING
L1	8.63'	S81°53'58"E
L2	10.21'	N8°06'02"E
L3	10.23'	S83°45'21"E
L4	4.07'	N9°00'46"E
L5	4.65'	N35°59'14"W
L6	8.38'	N74°17'01"W
L7	4.34'	N9°00'46"E
L8	3.99'	N56°50'49"E
L9	10.85'	N21°59'49"W
L10	3.33'	N80°13'53"W
L11	13.48'	N72°1'30"E
L12	20.25'	N8°55'46"E
L13	4.26'	N81°13'28"W
L14	12.25'	N9°00'46"E
L15	7.88'	N79°55'54"W
L16	4.56'	N54°00'46"E
L17	11.10'	N9°00'46"E
L18	8.53'	N79°55'54"W
L19	3.88'	N38°49'16"W
L20	13.42'	N9°00'46"E
L21	12.77'	S81°07'43"E
L22	12.10'	S11°11'28"E
L23	15.27'	N9°00'46"E

BACK OF CURB OR SIDEWALK CURVE TABLE (BC)				
CURVE #	RADIUS	ARC LENGTH	TANGENT LENGTH	DELTA
C1	11.38'	17.69'	15.96'	89°05'15"
C2	4.37'	3.44'	3.35'	45°00'00"
C3	5.63'	4.40'	4.29'	44°52'06"
C4	11.38'	16.77'	15.30'	84°29'37"
C5	4.38'	3.65'	3.55'	47°50'03"
C6	5.62'	4.70'	4.57'	47°55'22"
C7	5.00'	7.76'	7.01'	88°56'41"
C8	5.00'	3.94'	3.84'	45°09'30"
C9	5.00'	3.93'	3.83'	45°00'00"
C10	11.37'	17.66'	15.94'	88°56'41"
C11	5.43'	4.18'	4.08'	44°11'12"
C12	5.00'	4.17'	4.05'	47°50'03"
C13	11.38'	17.84'	16.07'	89°51'31"

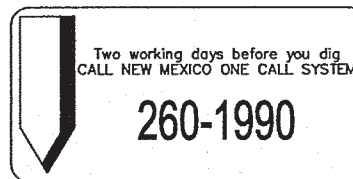
SEE SHEET 8 FOR
SIGNING AND
STRIPING DETAILS

GENERAL CONSTRUCTION NOTES

- PROTECT IN PLACE
- CONSTRUCT NEW PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 4
- CONSTRUCT 4" SIDEWALK PER COA STD DWG 2430 INCLUDING SUBGRADE, SEE PLAN FOR WIDTH
- CONSTRUCT CURB RAMP PER DETAILS ON SHEET 9
- CONSTRUCT COA STANDARD CURB PER STD DWG 2415A, INCLUDING SUBGRADE PREP
- CONSTRUCT COA HEADER CURB PER STD DWG 2415B, INCLUDING SUBGRADE PREP
- CONSTRUCT MODIFIED SIDEWALK CULVERT, SEE DETAILS ON SHEETS 13-15
- INSTALL NEW SIGN W/ NEW SIGN POST PER DETAILS ON SHEETS 11-12
- CONCRETE TEXTURED PAVEMENT (CONCRETE MEDIAN PAVING) PER COA DWG 2408 & 2502. SEE GENERAL NOTE 61 ON SHEET 4 FOR ADDITIONAL INFORMATION.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	DATE	ALBUQUERQUE GEODETIC REFERENCE SYSTEM	FIELD NOTES	NO.	BY
WORKED BY	DATE	17_J14 (3 1/4" ALUMINUM DISC)	DATE		
INSPECTED BY	DATE	NM STATE PLANE COORDINATES			
ACCEPTANCE BY	DATE	CENTRAL ZONE NAD 1983			
VERIFICATION BY	DATE	ELEVATION=4957.484 (NAD 1983)			
DRAWINGS	DATE	WITHIN WEST MEDIAN AT THE INTERSECTION			
CORRECTED BY	DATE	OF LOMAS AVE. NW AND EIGHTH ST. NW			
MICRO-FILM INFORMATION	DATE	SET FLUSH WITH TOP OF THE CONCRETE			
RECORDED BY	DATE				

ENGINEER'S SEAL
ERIC J. FROBERG
NEW MEXICO
18855
PROFESSIONAL ENGINEER
08/17/2016



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **1ST STREET AND MOUNTAIN ROAD**
PLAN VIEW
STA 10+00 TO 15+00

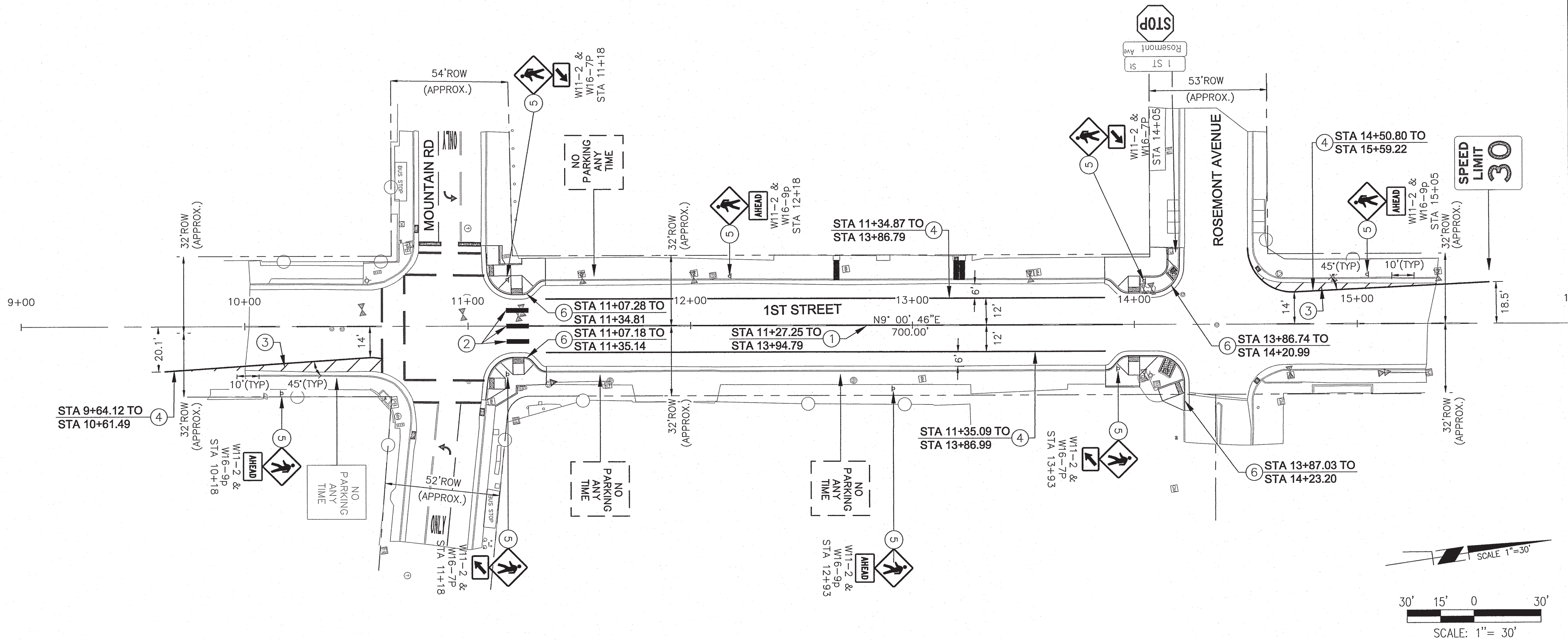
Design Review Committee APPROVED AUG 22 2016 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 23 2016 CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.
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City Project No. 9042.08 Zone Map No. J14 Sheet 7 of 16

No Contractor Markups this sheet

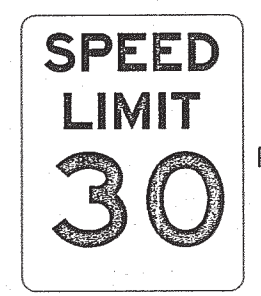
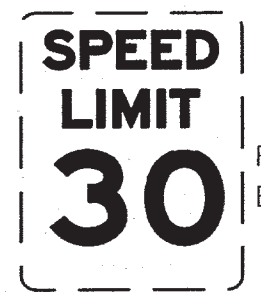
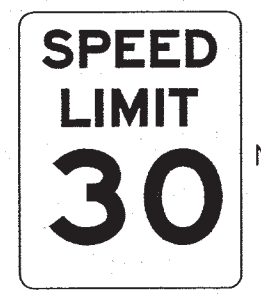
RECORD DRAWING

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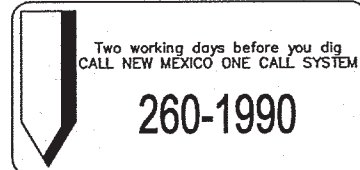


- GENERAL CONSTRUCTION NOTES
1. INSTALL 4" SOLID DOUBLE YELLOW STRIPE
 2. INSTALL 24" PEDESTRIAN WHITE SOLID MARKINGS PER DETAIL ON SHEET 11
 3. INSTALL 4" SOLID WHITE STRIPE
 4. INSTALL 6" SOLID WHITE STRIPE
 5. INSTALL NEW SIGN W/ NEW SIGN POST PER DETAILS ON SHEETS 11-12
 6. PAINT CURB YELLOW

SIGNING LEGEND:



TOTAL NEW SIGN: 66 SF
TOTAL NEW SIGN POST: 123 LF



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Albuquerque, NM 87102

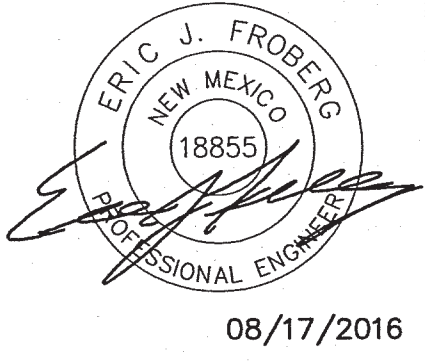
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **1ST STREET AND MOUNTAIN ROAD**
SIGNING AND STRIPING
STA 9+00 TO 16+00

DESIGNED BY: BLONG	DATE: 08/2016
DRAWN BY: BLONG	DATE: 08/2016
CHECKED BY: E. FROBERG	DATE: 08/2016

City Project No. 9042.08 Zone Map No. J14 Sheet 8 of 16

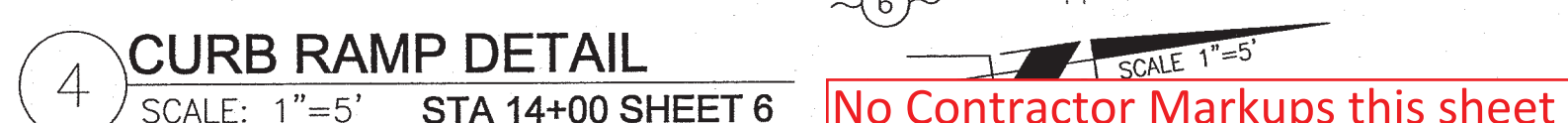
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM	FIELD NOTES	NO.	BY	DATE	NO.
		17-J14 (3 1/4" ALUMINUM DISC)					
		NM STATE PLANE COORDINATES					
		CENTRAL ZONE NAD 1983					
		ELEVATION=4957.484 (NAVD 1988)					
		WITHIN WEST MEDIAN AT THE INTERSECTION					
		OF LOMAS AVE. NW AND EIGHTH ST. NW					
		SET FLUSH WITH TOP OF THE CONCRETE					



RECORD DRAWING

No Contractor Markups this sheet

RECORD DRAWING



- GENERAL NOTES:
1. ALL RAMP CROSS SLOPES TO BE 1.5% TYPICAL AND 2.0% MAX.
 2. ALL RAMP LONGITUDINAL SLOPES TO BE AS SHOWN ON PLANS AND 8.3% MAX.



08/17/2016

[illegible]

SEE SHEET 10 FOR
ADDITIONAL RAMP &
INTERSECTION INFORMATION

5' 2.5' 0 2.5' 5'

SCALE: 1" = 5'

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL AFFAIRS
ENGINEERING DIVISION

TITLE: 1 ST STREET AND MOL
CURB RAMP DETAIL

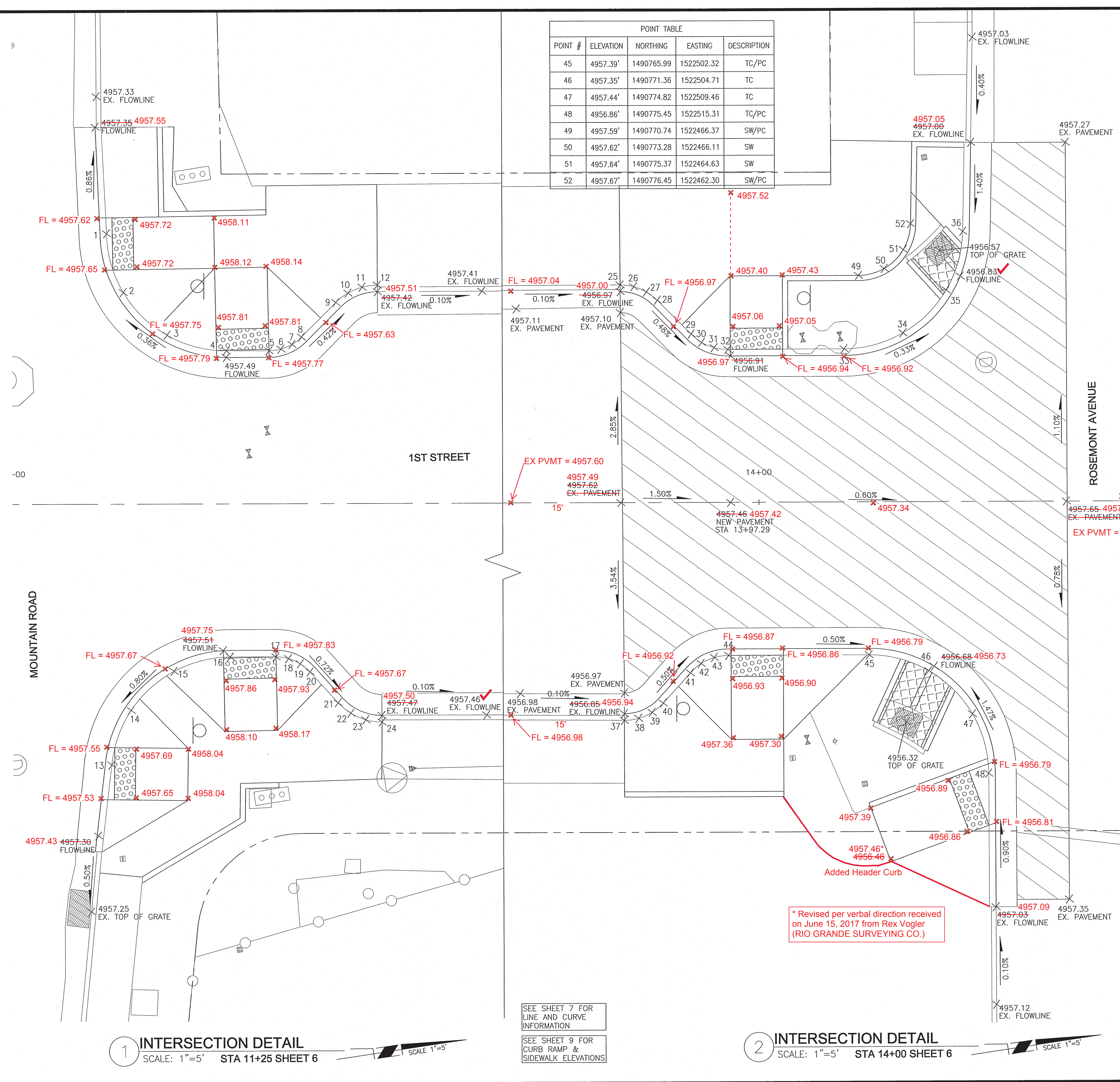
Design Review Committee APPROVED AUG 22 2016 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 23 2016 CITY ENGINEER	Last Design Update
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City Project No.	9042.08	Zone Map No.	J14
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CHECK

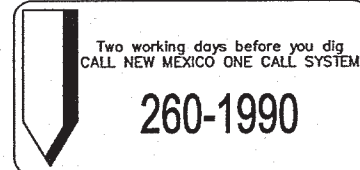
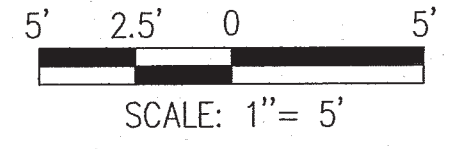
RECORD DRAWING

RECORD DRAWING



POINT TABLE				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
45	4957.39'	1490765.99	1522502.32	TC/PC
46	4957.35'	1490771.36	1522504.71	TC
47	4957.44'	1490774.82	1522509.46	TC
48	4956.86'	1490775.45	1522515.31	TC/PC
49	4957.59'	1490770.74	1522466.37	SW/PC
50	4957.62'	1490773.28	1522466.11	SW
51	4957.64'	1490775.37	1522464.63	SW
52	4957.67'	1490776.45	1522462.30	SW/PC

POINT TABLE				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
1	4957.46'	1490474.58	1522415.15	TC/PC
2	4957.71'	1490475.27	1522420.94	TC
3	4958.06'	1490478.73	1522425.63	TC
4	4957.49'	1490484.06	1522427.99	TC/PC
5	4957.47'	1490488.08	1522428.62	TC/PC
6	4957.58'	1490489.23	1522428.65	TC
7	4957.70'	1490490.34	1522428.39	TC
8	4957.81'	1490491.34	1522427.84	TC/PC
9	4958.11'	1490495.11	1522425.11	TC/PC
10	4958.10'	1490496.39	1522424.41	TC
11	4958.10'	1490497.82	1522424.07	TC
12	4958.09±	1490499.28	1522424.10	TC/PC
13	4957.36'	1490467.00	1522465.31	TC/PC
14	4957.91'	1490469.65	1522460.45	TC
15	4958.04'	1490474.28	1522457.41	TC
16	4957.51'	1490479.79	1522456.92	TC/PC
17	4957.50'	1490484.08	1522457.60	TC/PC
18	4957.65'	1490485.24	1522457.96	TC
19	4957.80'	1490486.26	1522458.62	TC
20	4957.96'	1490487.06	1522459.53	TC/PC
21	4958.15'	1490489.24	1522462.88	TC/PC
22	4958.15'	1490490.27	1522464.05	TC
23	4958.14'	1490491.58	1522464.90	TC
24	4958.14±	1490493.08	1522465.36	TC/PC
25	4957.64±	1490748.09	1522463.63	TC/PC
26	4957.64'	1490749.34	1522464.00	TC
27	4957.63'	1490750.46	1522464.68	TC
28	4957.62'	1490751.36	1522465.63	TC/PC
29	4957.34'	1490754.04	1522469.33	TC/PC
30	4957.21'	1490754.94	1522470.27	TC
31	4957.08'	1490756.06	1522470.95	TC
32	4956.95'	1490757.31	1522471.33	TC/PC
33	4957.55'	1490768.27	1522473.07	TC/PC
34	4957.54'	1490774.06	1522472.48	TC
35	4957.52'	1490778.80	1522469.10	TC
36	4957.56'	1490781.25	1522463.82	TC/PC
37	4957.52±	1490741.85	1522504.73	TC/PC
38	4957.51'	1490743.25	1522504.76	TC
39	4957.50'	1490744.60	1522504.41	TC
40	4957.50'	1490745.80	1522503.69	TC/PC
41	4957.30'	1490748.82	1522501.26	TC/PC
42	4957.15'	1490750.02	1522500.55	TC
43	4957.00'	1490751.36	1522500.19	TC
44	4956.84'	1490752.74	1522500.22	TC/PC



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Albuquerque, NM 87102

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **1ST STREET AND MOUNTAIN ROAD INTERSECTION DETAILS**

Design Review Committee APPROVED AUG 23 2016 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 23 2016 CITY ENGINEER	Mo./Day/Yr. Last Design Update	Mo./Day/Yr.
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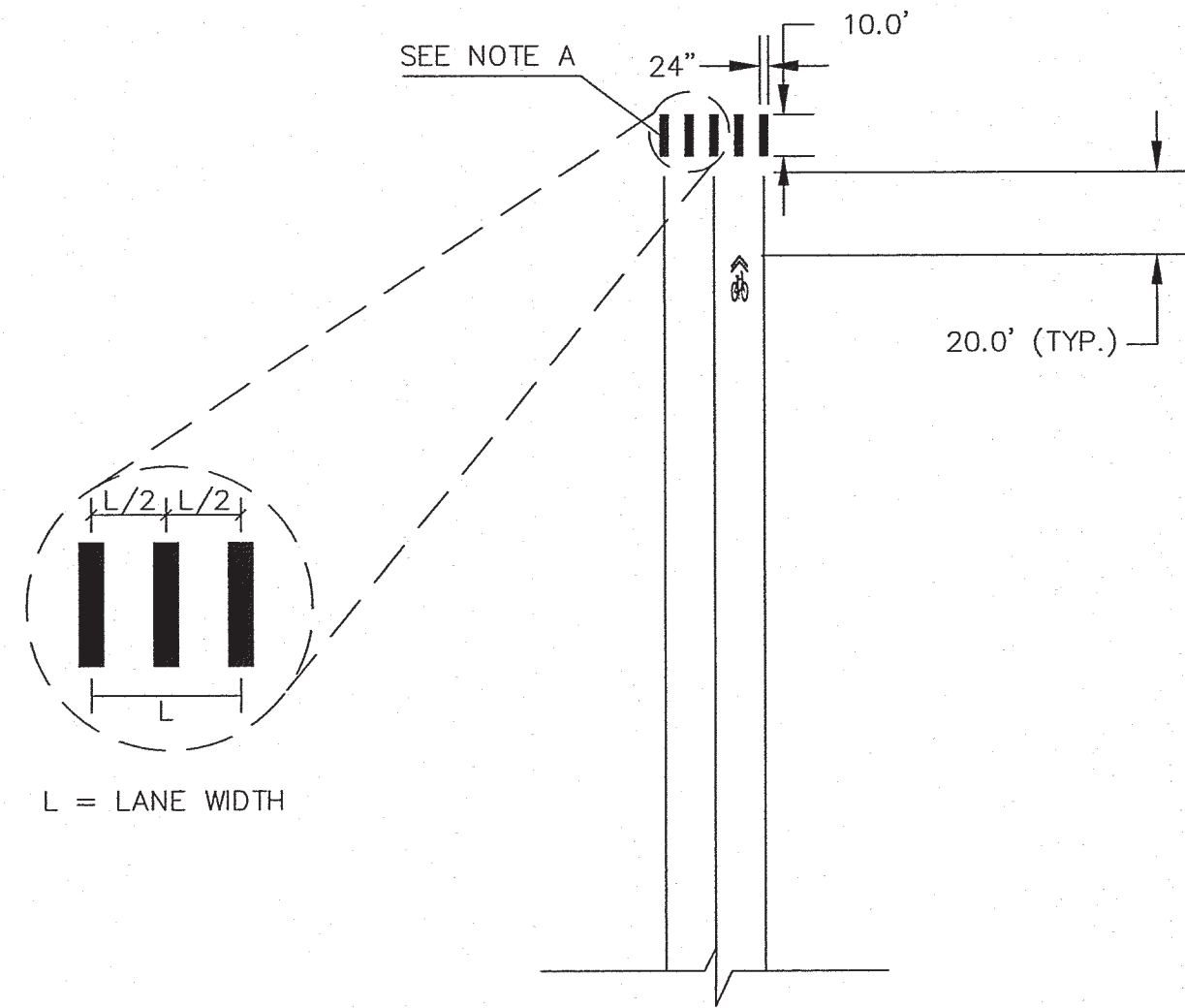
City Project No. 9042.08 Zone Map No. J14 Sheet 10 of 16

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		CHECKED BY: E. FROBERG	
CONTRACTOR	DATE	ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM	DATE	FIELD NOTES	DATE	ENGINEER'S SEAL	DATE	NO.	DATE	BY	DATE	DESIGNED BY: BLONG	DATE: 08/2016
INSPECTED BY	DATE	17 J14 (3 1/4" ALUMINUM DISC)	DATE	BY	DATE		DATE				DATE	DRAWN BY: BLONG	DATE: 08/2016
ACCEPTANCE BY	DATE	NM STATE PLANE COORDINATES	DATE								DATE	CHECKED BY: E. FROBERG	DATE: 08/2016
VERIFICATION BY	DATE	CENTRAL ZONE NAD 1983	DATE								DATE		
DRAWINGS	DATE	ELEVATION=4957.484 (NAVD 1986)	DATE								DATE		
CORRECTED BY	DATE	WITHIN WEST MEDIAN AT THE INTERSECTION	DATE								DATE		
RECORDED BY	DATE	OF LOMAS AVE. NW AND EIGHTH ST. NW	DATE								DATE		
NO.		SET FLUSH WITH TOP OF THE CONCRETE											

RECORD DRAWING

RECORD DRAWING

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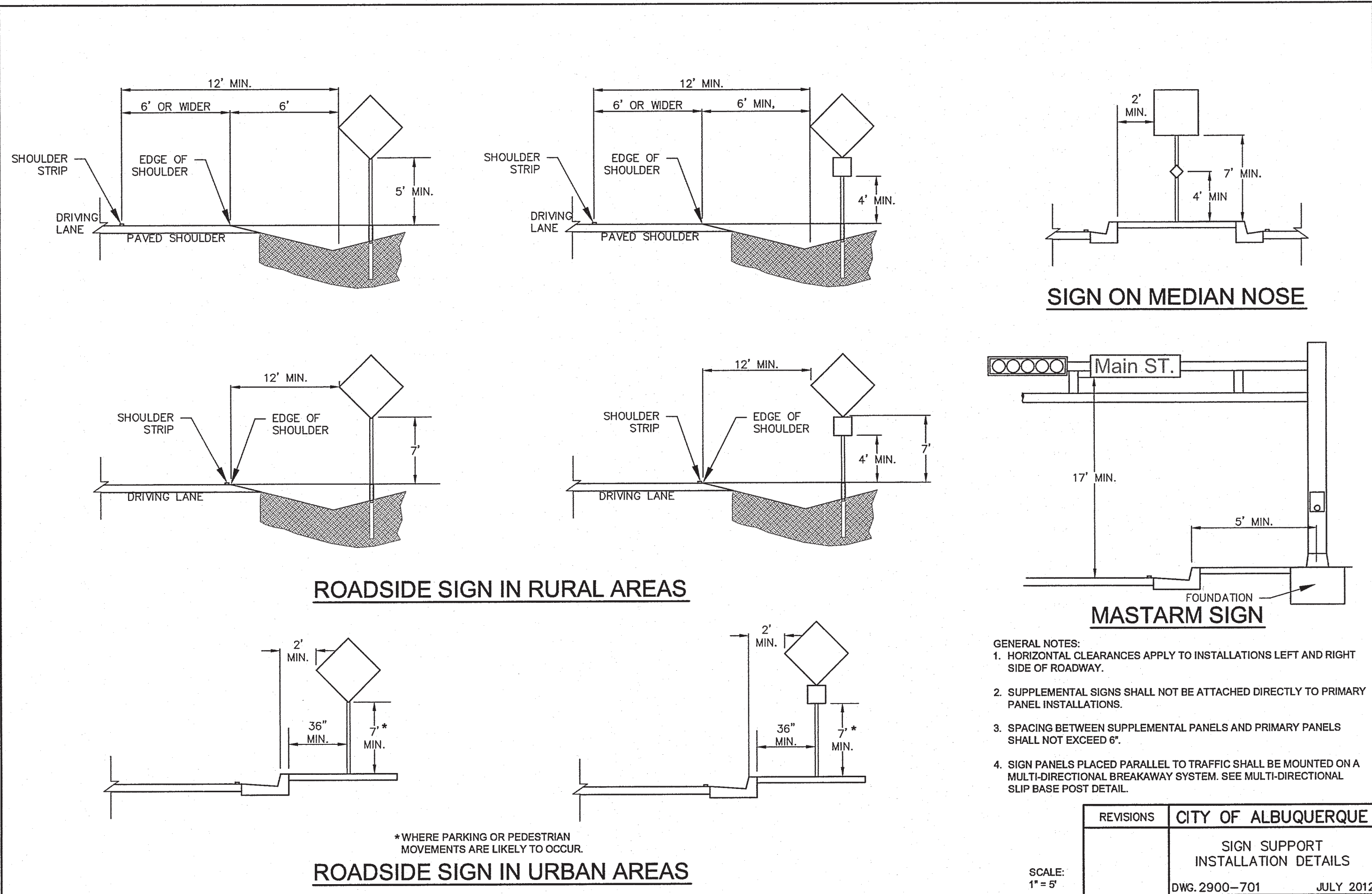


PAVEMENT MARKING DETAILS – CROSSWALK AND APPROACH

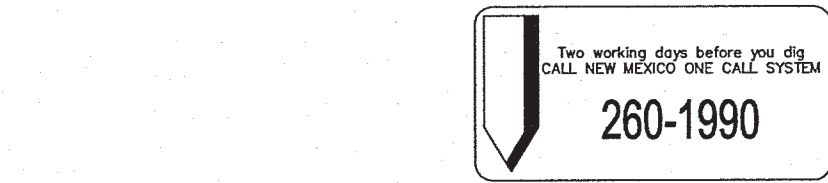
NOTE A. 24" X 10' LONGITUDINAL CROSSWALK MARKINGS SHALL BE INSTALLED CENTERED AT EACH DRIVING LANE AS SHOWN ABOVE TO AVOID THE WHEEL PATHS. LAYOUT AT EACH INTERSECTION SHALL REQUIRE APPROVAL BY THE CITY PROJECT MANAGER PRIOR TO INSTALLATION.

SIGNING AND PAVEMENT MARKING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, AND THESE PLANS.
2. ALL SIGNS SHALL BE PER COA STD SPEC 450 AND MADE OF TYPE IV PRISMATIC SHEETING WITH SHEETING TYPE ASTM D4956-04 AS PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
3. AT ALL INTERSECTIONS, SIGNALIZED AND NON-SIGNALIZED, STRIPING SHALL BE REFRESHED 25' BEYOND THE PROPOSED 1ST STREET INTERSECTION STRIPING. ON STREETS WHERE THE EXISTING STRIPING IS LESS THAN 25', THE STRIPING SHALL BE REFRESHED TO THE EXISTING LENGTH.
4. CONTRACTOR SHALL MAKE EVERY EFFORT TO REMOVE GRAFFITI FROM ANY EXISTING OR RELOCATED SIGNS WITHIN THE PROJECT CORRIDOR. GRAFFITI REMOVAL SHALL BE INCIDENTAL TO THE COMPLETION OF THE PROJECT.
5. ALL PAVEMENT MARKING INSTALLATION SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED WITHIN THE PLAN SET. ALL PAVEMENT MARKINGS SHALL BE PER COA STD SPEC 440, 441, AND 442.
6. PAVEMENT MARKING REMOVAL SHALL BE PERFORMED PER COA STD SPEC 443. METHOD SHALL BE WATER BLASTING.
7. ALL SIGN POST INSTALLATION PER COA STANDARD DRAWINGS 2900-701 TO 703, SEE DETAILS THIS SHEET AND SHEET 12.



No Contractor Markups this sheet



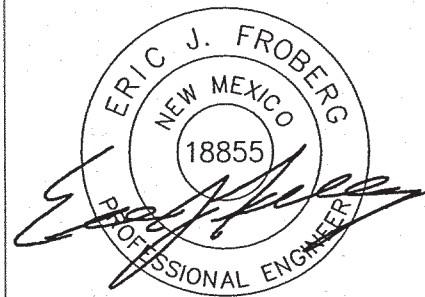
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: 1ST STREET AND MOUNTAIN ROAD
SIGNING & STRIPING
DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED AUG 22 2016 DESIGN REVIEW COMMITTEE	APPROVED AUG 23 2016 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet	Of
9042.08	J14	11	16

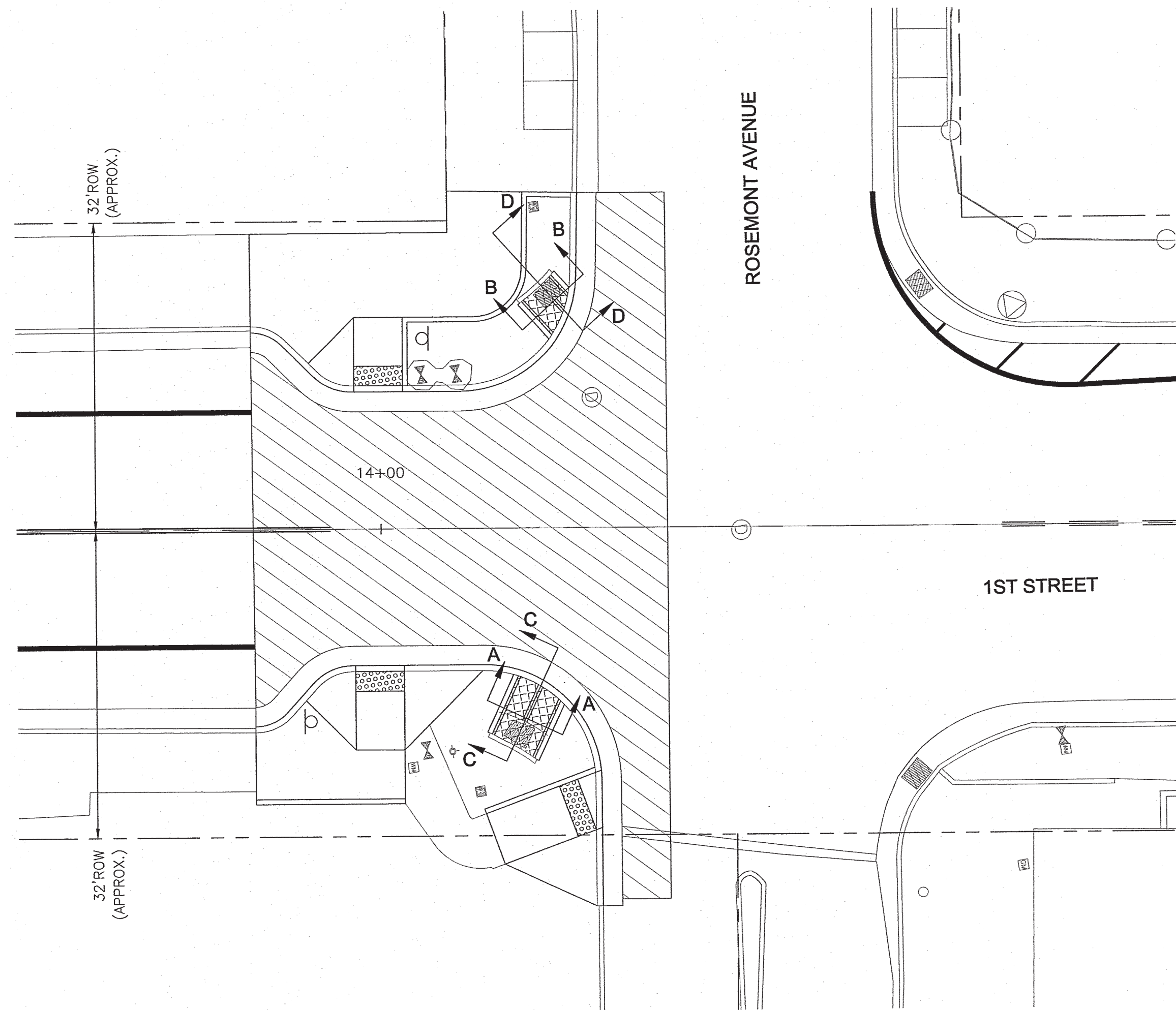
RECORD DRAWING



08/17/2016

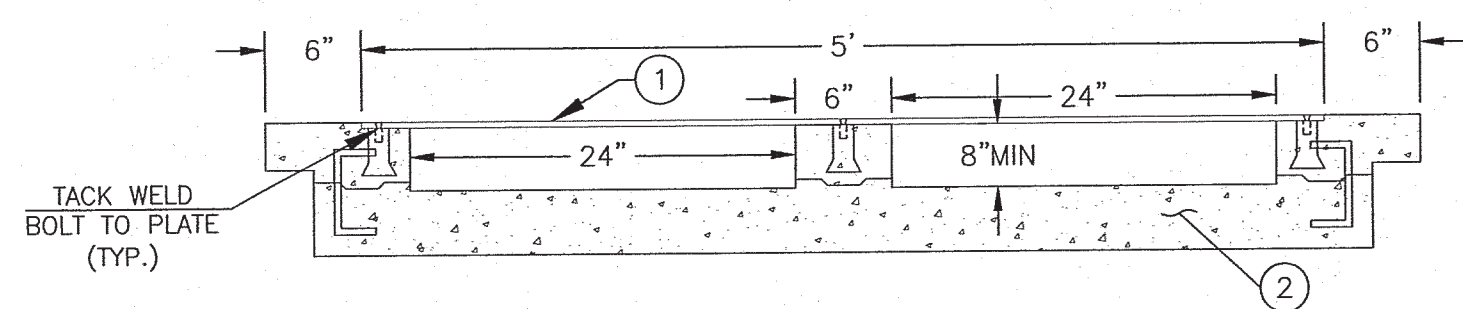
NO.	DATE	REVISIONS	BY
		DESIGN	
DESIGNED BY: BLONG	DATE: 08/2016		
DRAWN BY: BLONG	DATE: 08/2016		
CHECKED BY: E.FROBERG	DATE: 08/2016		

RECORD DRAWING



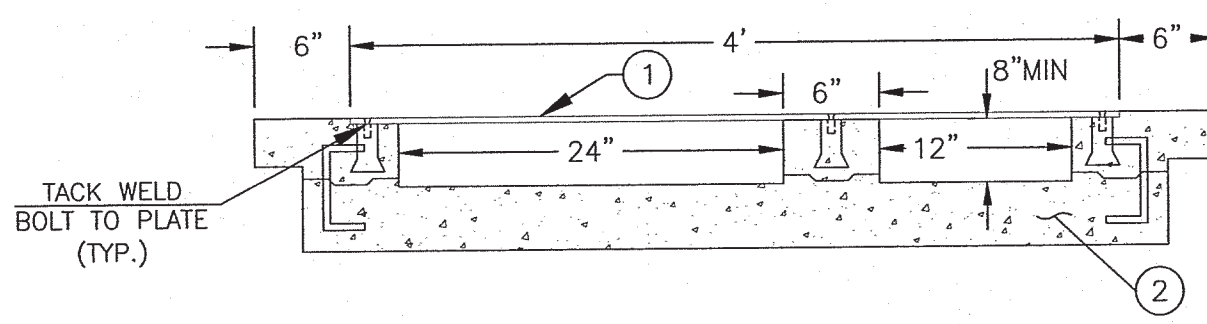
1 SIDEWALK CULVERT DETAIL
 SCALE: 1"=10' STA 14+14.00 RT & 14+17.00 LT SHEET 7

SCALE: 1"=10'



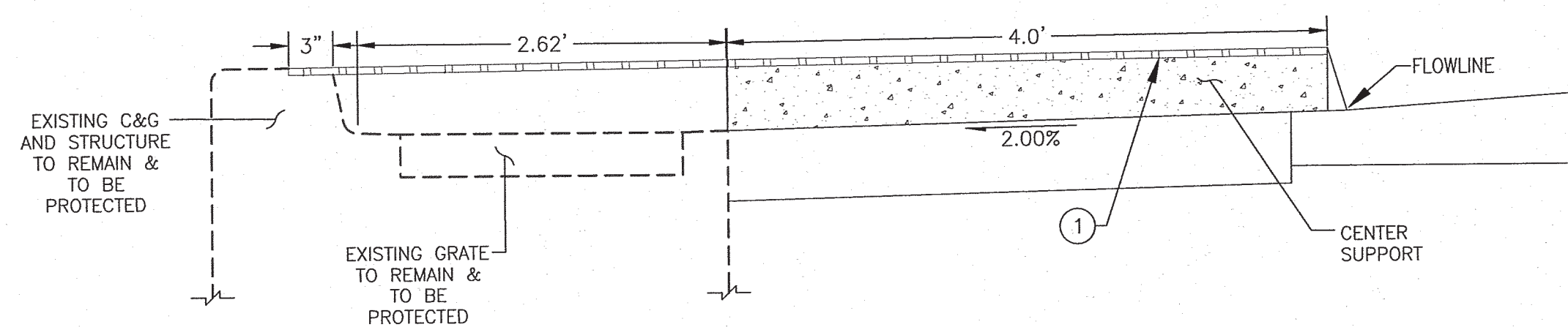
SEE SHEET 14 FOR ADDITIONAL INFORMATION

SECTION A-A
 SCALE: NTS

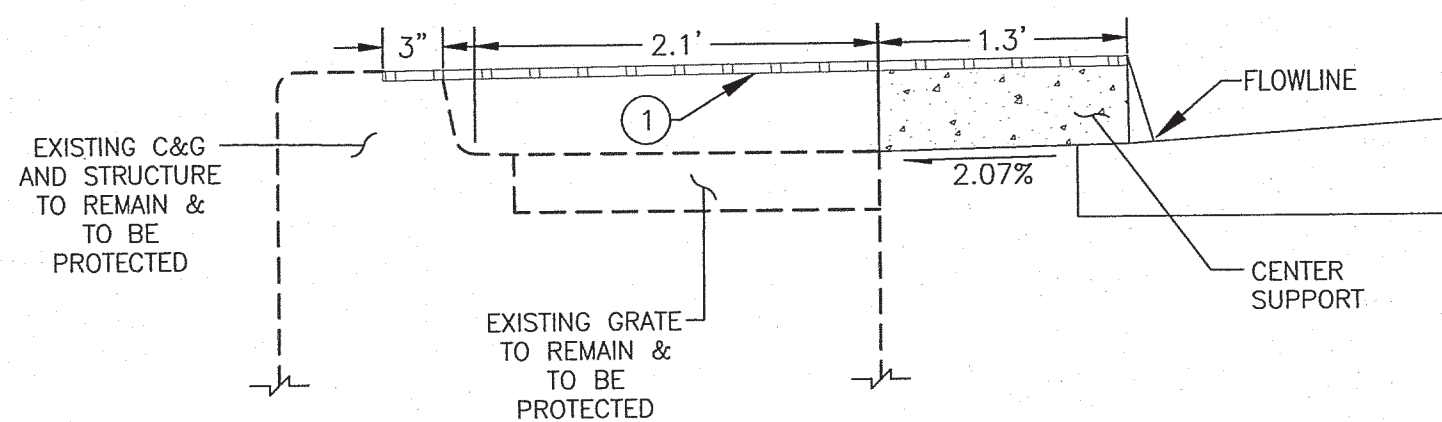


SEE SHEET 15 FOR ADDITIONAL INFORMATION

SECTION B-B
 SCALE: NTS



SECTION C-C
 SCALE: NTS



SECTION D-D
 SCALE: NTS

No Contractor Markups this sheet

CONSTRUCTION NOTES

- INSTALL STEEL PLATE, BOLT TO EXISTING CONCRETE STRUCTURE AND NEW SIDEWALK CULVERT STRUCTURE
- INSTALL MODIFIED SIDEWALK CULVERT PER DETAILS ON THIS SHEET AND COA STD DWG 2236

AS BUILT INFORMATION

CONTRACTOR	DATE

SURVEY INFORMATION

NO.	BY	DATE

BENCH MARKS

ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM	DATE
17-J14 (3 1/4" ALUMINUM DISC)	

ENGINEER'S SEAL



08/17/2016

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	DATE
B. LONG	08/2016

DRAWN BY	DATE
B. LONG	08/2016

CHECKED BY	DATE
E. FROBERG	08/2016

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CITY OF ALBUQUERQUE
 DEPARTMENT OF MUNICIPAL DEVELOPMENT
 ENGINEERING DIVISION

TITLE: 1 ST STREET AND MOUNTAIN ROAD SIDEWALK CULVERT DETAILS

Design Review Committee

APPROVED

AUG 22 2016

DESIGN REVIEW COMMITTEE

City Engineer Approval

APPROVED

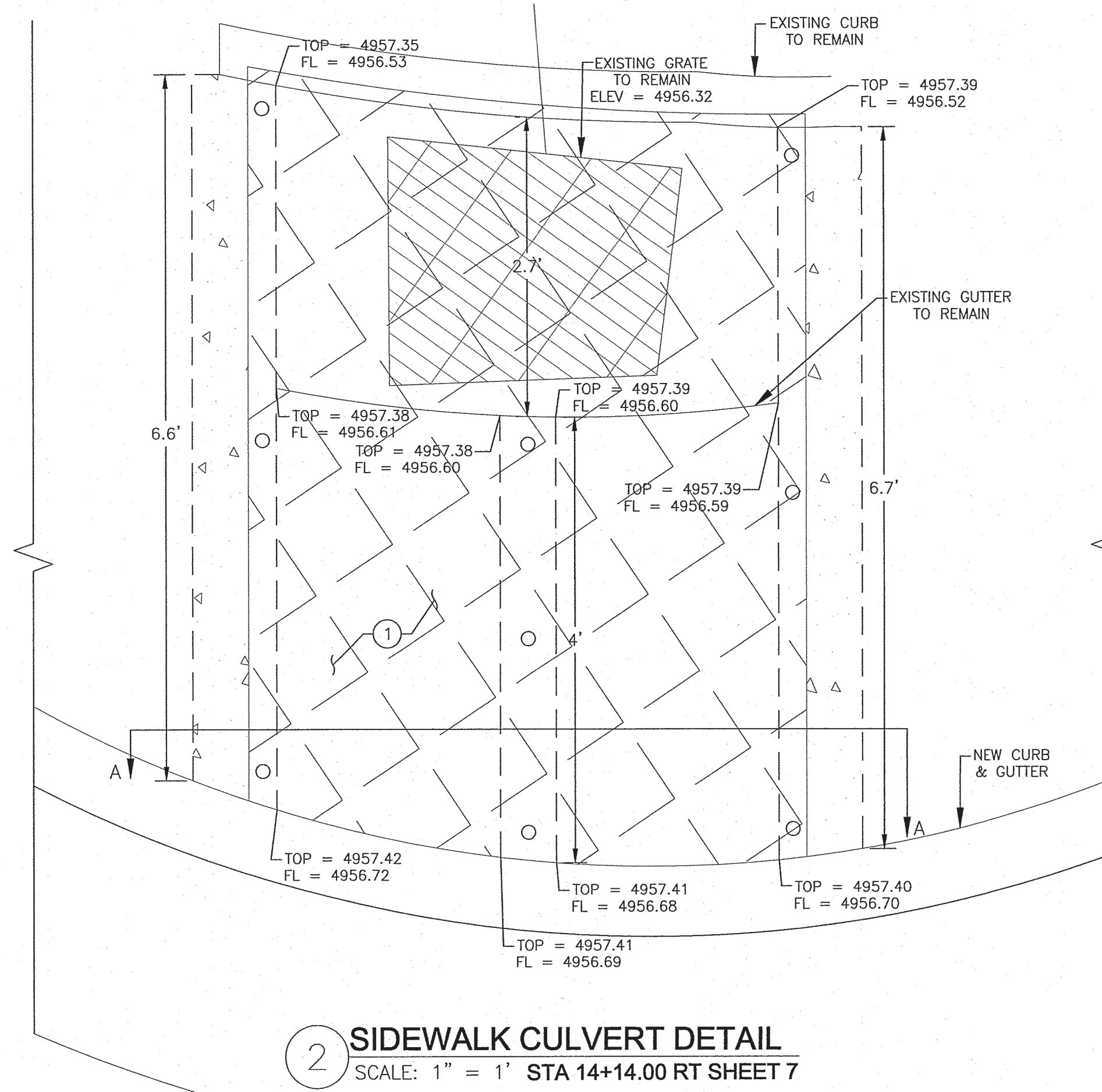
AUG 23 2016

CITY ENGINEER

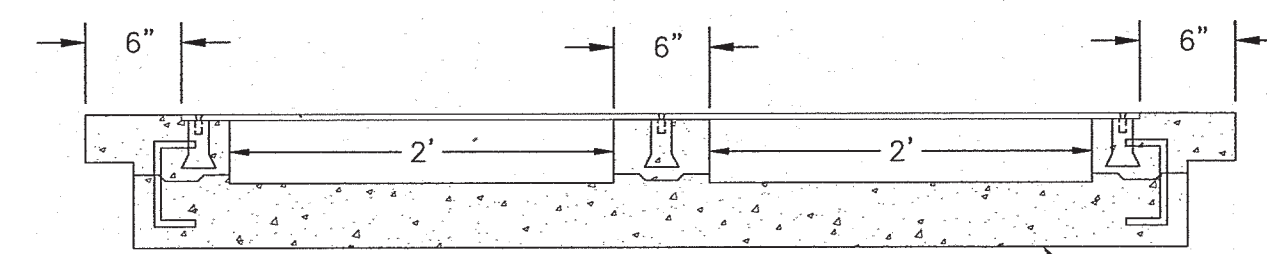
City Project No. 9042.08 Zone Map No. J14 Sheet 13 of 16

RECORD DRAWING

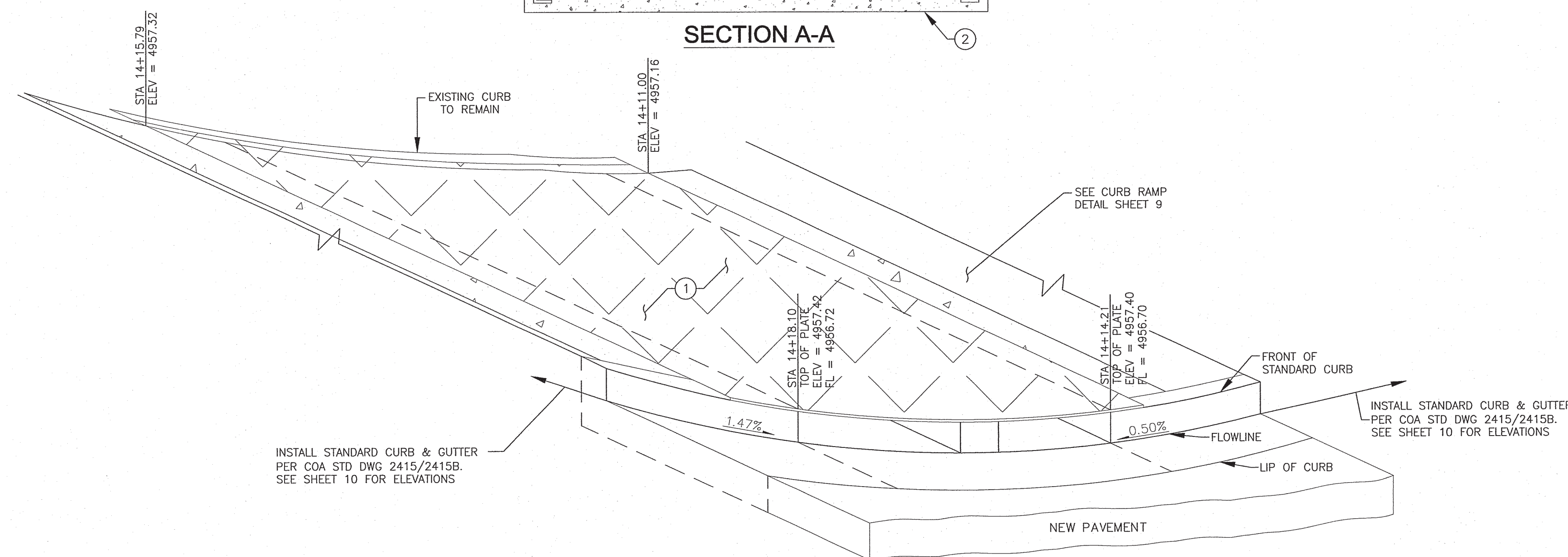
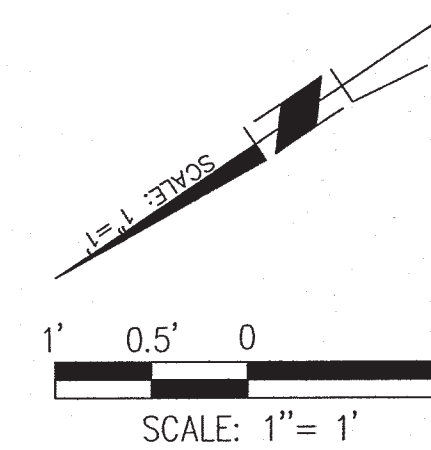
RECORD DRAWING



2 SIDEWALK CULVERT DETAIL
SCALE: 1" = 1' STA 14+14.00 RT SHEET 7

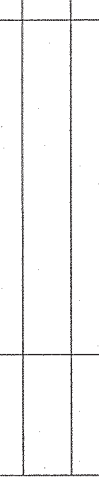


SECTION A-A



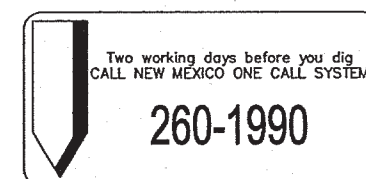
3 SIDEWALK & GUTTER DETAIL
SCALE: NTS STA 14+14.00 RT SHEET 7

- CONSTRUCTION NOTES
1. INSTALL STEEL PLATE, BOLT TO EXISTING CONCRETE STRUCTURE AND NEW SIDEWALK CULVERT STRUCTURE
 2. INSTALL MODIFIED SIDEWALK CULVERT PER DETAILS ON THIS SHEET AND COA STD DWG 2236

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
 08/17/2016		FIELD NOTES		ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM		CONTRACTOR	
		NO.	BY	DATE	17_J14 (3 1/4" ALUMINUM DISC)	WORK STAKED BY	DATE
					NM STATE PLANE COORDINATES	INSPECTOR'S	DATE
					CENTRAL ZONE NAD 1983	ACCEPTANCE BY	DATE
					ELEVATION=4957.484 (NAVD 1988)	FIELD VERIFICATION BY	DATE
					WITHIN WEST MEDIAN AT THE INTERSECTION	CORRECTED BY	DATE
					OF LOMAS AVE. NW AND EIGHTH ST. NW	MICRO—FILM INFORMATION	
					SET FLUSH WITH TOP OF THE CONCRETE	RECORDED BY	DATE
						NO.	
				</			



08/17/2016



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **1ST STREET AND MOUNTAIN ROAD
SIDEWALK CULVERT DETAILS**

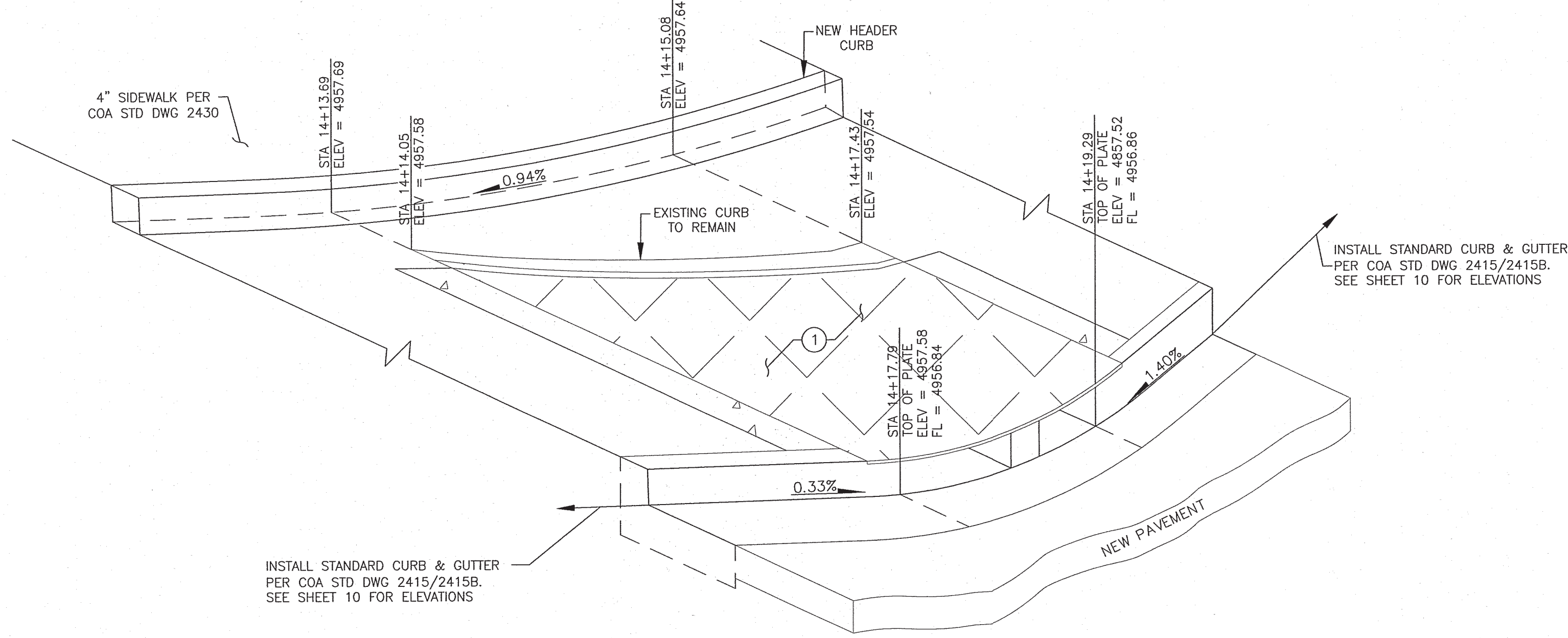
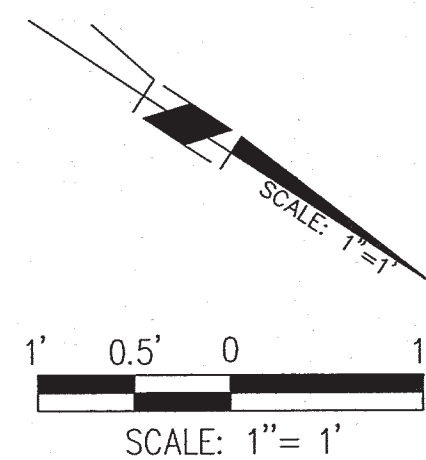
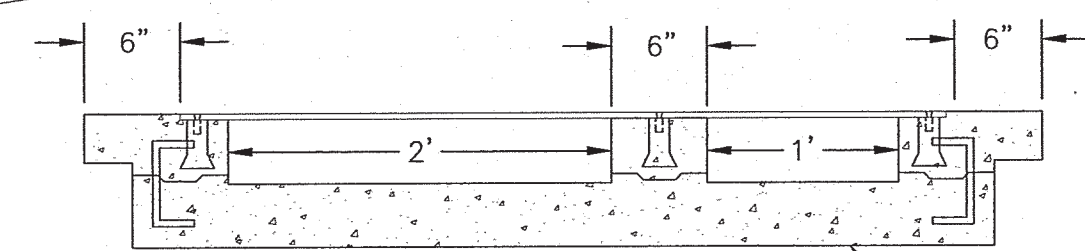
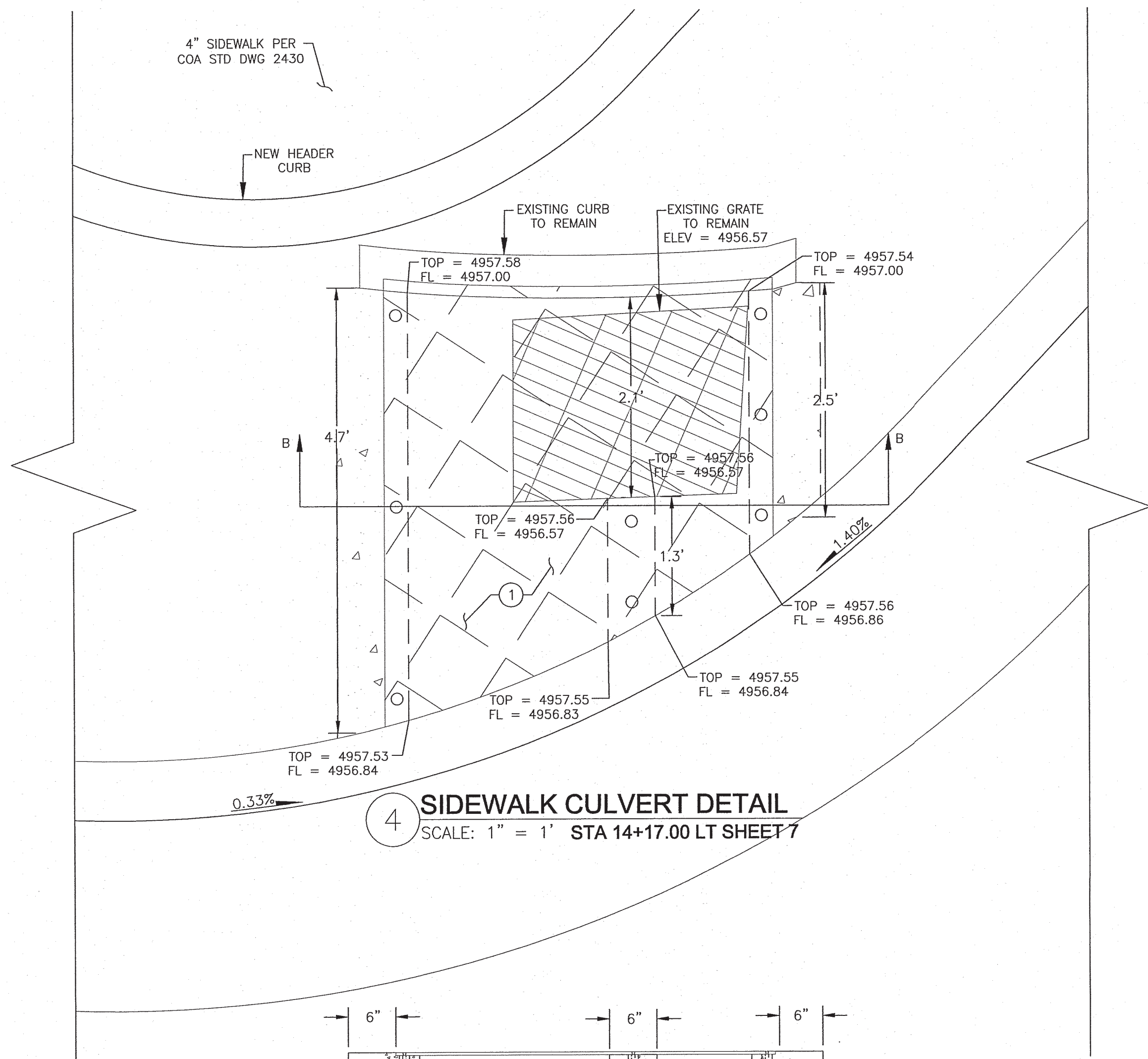
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED AUG 22 2016 DESIGN REVIEW COMMITTEE	APPROVED AUG 23 2016 CITY ENGINEER		
Last Design Update			

City Project No.	Zone Map No.	Sheet	Of
9042.08	J14	14	16

No Contractor Markups this sheet

RECORD DRAWING

RECORD DRAWING

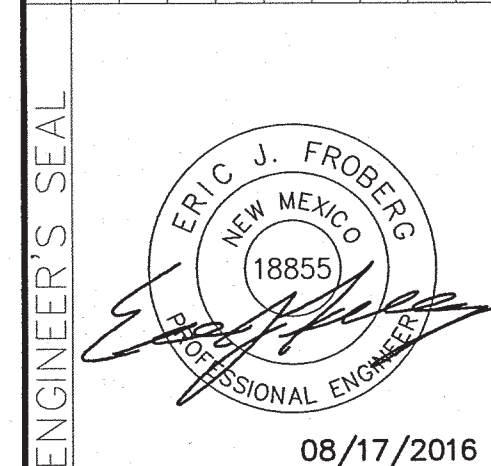


5 SIDEWALK & GUTTER DETAIL
SCALE: NTS STA 14+17 LT SHEET 7

- CONSTRUCTION NOTES
- 1 INSTALL STEEL PLATE, BOLT TO EXISTING CONCRETE STRUCTURE AND NEW SIDEWALK CULVERT STRUCTURE
 - 2 INSTALL MODIFIED SIDEWALK CULVERT PER DETAILS ON THIS SHEET AND COA STD DWG 2236

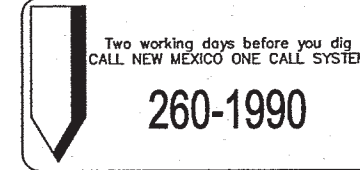
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CONTRACTOR	DATE
INSPECTOR'S	DATE
ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
DRAWINGS	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM	
17_J14 (3 1/4" ALUMINUM DISC)	
NM STATE PLANE COORDINATES	
CENTRAL ZONE NAD 1983	
ELEVATION=4957.484 (NAVD 1983)	
WITHIN WEST MEDIAN AT THE INTERSECTION	
OF LOMAS AVE. NW AND EIGHTH ST. NW	
SET FLUSH WITH TOP OF THE CONCRETE	



08/17/2016

SURVEY INFORMATION	
FIELD NOTES	DATE
BY	
NO.	
ENGINEER'S SEAL	
REVISIONS	BY
DESIGN	
DESIGNED BY: B.LONG	DATE: 08/2016
DRAWN BY: B.LONG	DATE: 08/2016
CHECKED BY: E.FROBERG	DATE: 08/2016

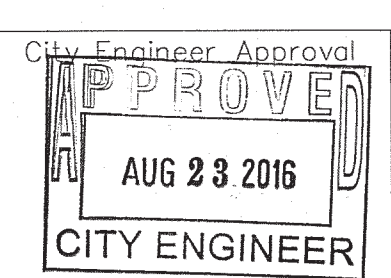
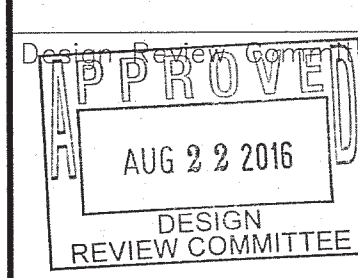


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Bank of America Centre
Albuquerque, NM 87102



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **1ST STREET AND MOUNTAIN ROAD
SIDEWALK CULVERT DETAILS**



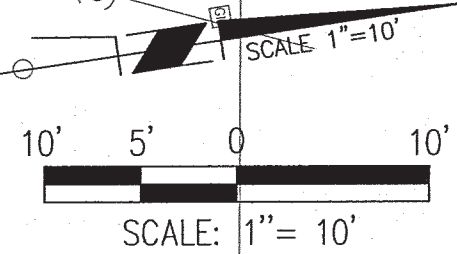
Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	of
9042.08	J14	15	16

No Contractor Markups this sheet

RECORD DRAWING

RECORD DRAWING



AS BUILT INFORMATION	
CONTRACTOR	DATE
STARTED BY	DATE
INSPECTOR'S	DATE
ACCEPTANCE BY	DATE
FIELD CATION BY	DATE
DRAWINGS	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS
ALBUQUERQUE GEOGRAPHIC REFERENCE SYSTEM
17-J14 (3 1/4" ALUMINUM DISC)
NM STATE PLANE COORDINATES
CENTRAL ZONE NAD 1983
ELEVATION=4957.484 (NAD 1988)
WITHIN WEST MEDIAN AT THE INTERSECTION
OF LOMAS AVE. NW AND EIGHTH ST. NW
SET FLUSH WITH TOP OF THE CONCRETE

[illegible]

ENGINEER'S SEAL

ERIC J. FROBERG
NEW MEXICO
18855
PROFESSIONAL ENGINEER

08/17/2016

08/17/2016

[illegible]

NO.	DATE
DESIGNED BY: B.LONG	
DRAWN BY: B.LONG	
CHECKED BY: E.FROBERG	



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **1ST STREET AND MOUNTAIN ROAD
UTILITY DETAILS
STA 10+00 TO 15+00**

DESIGN REVIEW COMMITTEE

APPROVED

AUG 22 2016

DESIGN
REVIEW COMMITTEE

City Engineer Approval
APPROVED
AUG 23 2016
CITY ENGINEER

City Project No.	9042.08	Zone Map No.	J14	Sheet	16	Of	16
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No Contractor Markups this sheet

RECORD DRAWING

RECORD DRAWING