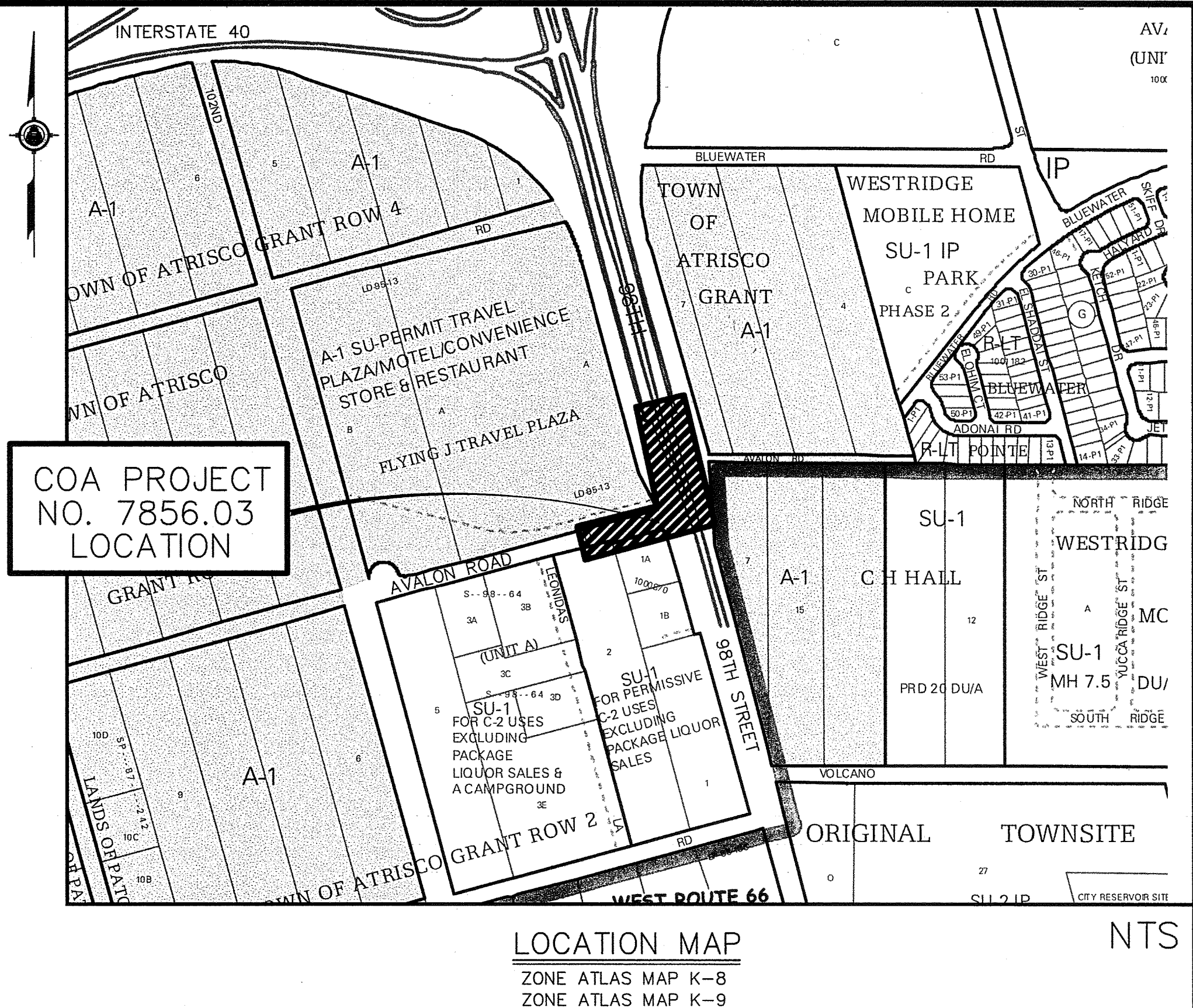
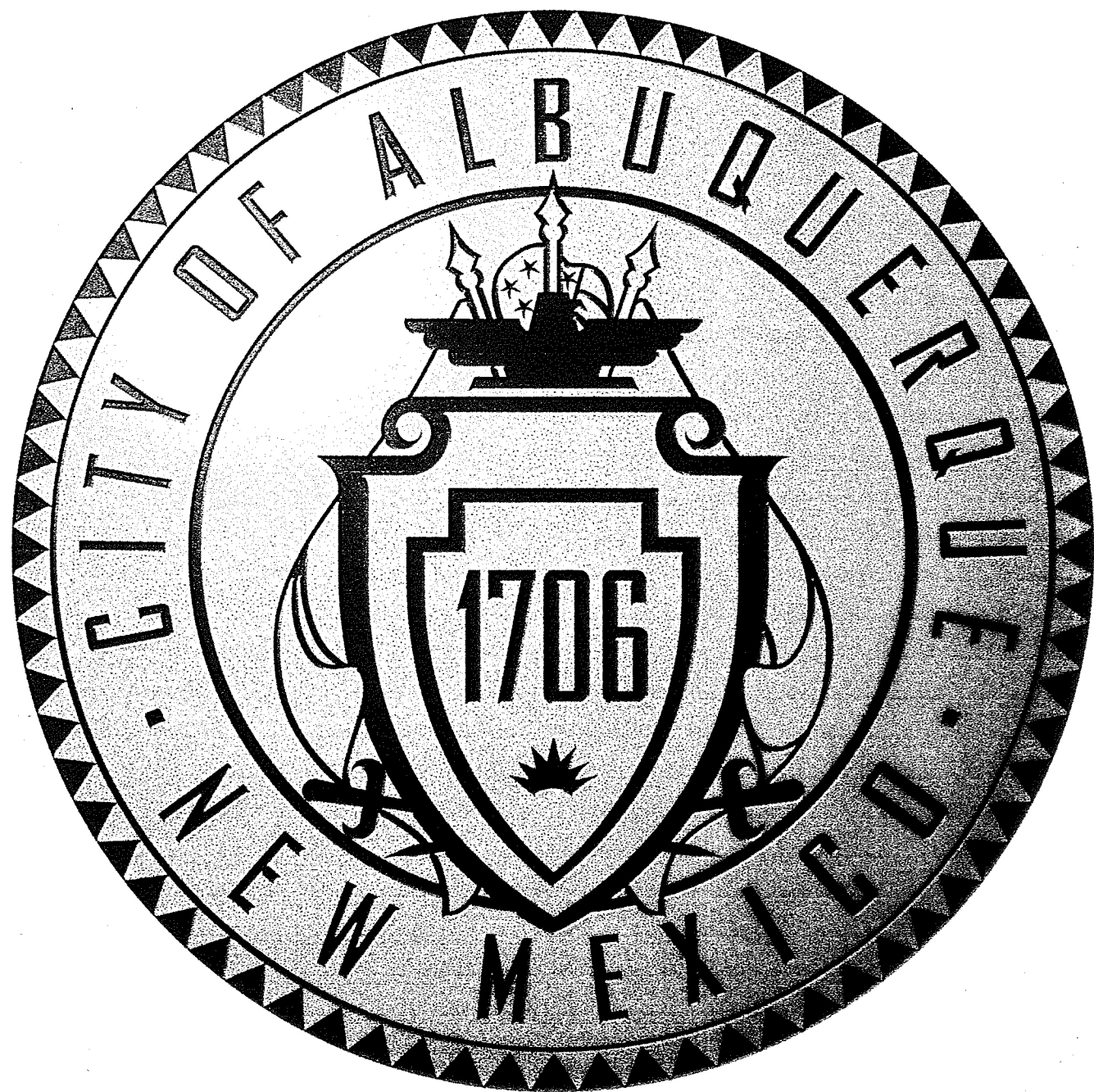


CITY OF ALBUQUERQUE NEW MEXICO



DEPARTMENT OF MUNICIPAL DEVELOPMENT CONSTRUCTION PLANS FOR 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION COA PROJECT NO. 7856.03

SHEET INDEX

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- 9 AVALON ROAD PLAN AND PROFILE
- 10 SIGNING & STRIPING GENERAL NOTES & QUANTITIES
- 11 SIGNING & STRIPING PLAN
- 12 SIGNAL GENERAL NOTES AND PLAN

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

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
		DRC Chairman		<i>McDonald</i>	5/5/15	APPROVED FOR CONSTRUCTION	
		Transportation		<i>KL</i>	3/27/15		
		Water/Wastewater		<i>W. B. B.</i>	2/4/15		
		Hydrology		<i>W. B. B.</i>	2/4/15		
		Parks					
		Constr. Mngmt.				<i>RB</i>	5/6/15
		Constr. Coord.					
		City Project No.		7856.03		Sheet	Of
						1	12

Note: Feb 05, 2015 - 4:18pm, computer, Layout, Layout
Drawing Name: C:\Users\jw\Documents\1055555555\1055555555.dwg


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

ABBREVIATIONS
C CENTERLINE
F FLOWLINE
TOC TOP OF CURB ELEVATION
BOP BEGINNING OF PROJECT
EOP END OF PROJECT
BOC BEGINNING OF CONSTRUCTION
EOC END OF CONSTRUCTION

GENERAL NOTES
1. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CONSTRUCTION PROJECT MANAGER.
2. IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEM 337.070 - "CONCRETE PAVEMENT 11" THICK, PORTLAND CEMENT CONCRETE WITH FLY ASH, CIP" AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
3. NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE.
4. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION.
5. THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF 35 TON NON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION IN PAVEMENT STRUCTURE, ROADWAY BACKFILL, EMBANKMENT, AND SUBGRADES IN URBAN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.
6. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE NO.8 AMENDMENT #1 OR AS MODIFIED BY THE PROJECT SPECIFICATIONS TITLED 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION, AS STATED IN THE SPECIAL PROVISIONS.
7. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
8. ALL NEW STREET PAVING, CURB AND GUTTER, SIDEWALKS OR DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
9. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE ACTIVITIES TO ALLOW ADDITIONAL CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.
10. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. THIS WORK SHALL BE PAID UNDER ITEM 343.03, "EXISTING PAVEMENT, ASPHALT, CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL."
11. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, TRAIL OR SIDEWALK, CONCRETE BEYOND SAWCUT, AND SIGNAGE AT BACK OF PROPOSED DRIVEPAD DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUERQUE STANDARDS AT CONTRACTOR'S OWN EXPENSE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT CONTRACTOR'S OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.
13. ALL WORK IMPACTING AN ARTERIAL ROADWAY WILL REQUIRE 24-HOUR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY.
14. CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
15. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
16. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS, AS SHOWN ON SHEETS, PRIOR TO INITIATING CONSTRUCTION. IF DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MONUMENT, THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR. THE MONUMENT SHALL ONLY BE REPLACED BY THE CITY SURVEY SECTION AT THE CONTRACTOR'S EXPENSE.
17. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN RIGHT OF WAY UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO ITEM 621.401 "MOBILIZATION, COMPL." AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
18. WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 621.401 "MOBILIZATION, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE.
19. THROUGHOUT THE LIFE OF THIS PROJECT, THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF CONSTRUCTION ACTIVITIES WHICH WILL IMPEDE OR DISRUPT THE NORMAL FLOW OF TRAFFIC.
20. 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 REVISED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT.
21. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH ITEMS.
22. THE CONTRACTOR SHALL NOT PAVE OVER EXISTING WATER VALVE COVERS OR MANHOLE LIDS. IF FINISHED GRADE VARIES FROM EXISTING IN THE VICINITY OF EXISTING VALVES OR MANHOLES, CONTRACTOR SHALL ADJUST THE MANHOLE RIM OR VALVE CAN COVER AND COLLAR TO THE NEW GRADE. SEE STANDARD DWG 2460. THIS WORK SHALL BE PAID FOR UNDER ITEM 920.42- "EXISTING MANHOLE FRAME & COVER, ADJUST TO PAVEMENT GRADE WHERE ADJUSTMENT OF CONCRETE OR BLOCK BARREL IS REQUIRED, CIP." AND 801.112 - "VALVE BOX, RING & COVER, ADJUST TO GRADE."
23. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL PERMANENT SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA.
24. 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 WELL COLLECTORS, TRANSMISSION LINES, OR 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_PROCEDURES.ASPX .
25. CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATION. LOCATIONS SHOWN ON PLANS ARE FOR INFORMATION ONLY.
26. DETECTABLE WARNING DEVICES ARE CONSIDERED INCIDENTAL TO ITEM 340.023 - "WHEELCHAIR ACCESS RAMPS, 4" PCC, STD. CURB, CIP. SD 2418" AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
27. WHEN APPEARING IN ANY PORTION OF THIS CONTRACT, THE WORDS "PLANT MIX BITUMINOUS PAVEMENT" (PMBP) AND THE WORDS "HOT MIX ASPHALT" (HMA) WILL HAVE THE SAME MEANING AS AND MAY BE USED INTERCHANGEABLY WITH THE WORDS "ASPHALT CONCRETE."
28. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 1926.650 SUBPART P.
29. SALVAGEABLE MATERIALS (SIGNS, BOLLARDS) FROM THE PROJECT SHALL BE HAULED TO THE CITY OF ALBUQUERQUE PINO YARDS. HAUL OF THE MATERIAL SHALL BE PERFORMED DURING NORMAL WORKING HOURS AS DIRECTED BY THE PROJECT MANAGER.
30. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
31. REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT.
32. SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND ANY FREE EDGE OF NEW CURB AND GUTTER, AND SIDEWALK WITHIN THE RIGHT-OF-WAY.
33. 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.
34. THE PCC CONCRETE PAVEMENT SECTION WILL FOLLOW CITY OF ALBUQUERQUE CONCRETE PAVEMENT DETAILS FOR JOINTS AND JOINT PATTERNS, REFER TO STANDARD DRAWING 2450 - PAVING CONCRETE JOINTS, STANDARD DRAWING 2451 - PAVING CONCRETE JOINTS TYPES 5 & 6 AND STANDARD DRAWING 2452 - PAVING TYPICAL CONCRETE PAVEMENT JOINT PATTERN.

UTILITY CONTACTS	AS BUILT INFORMATION
ERSTGAARD, JON OFFICE PHONE: (505)289-3028 OFFICE FAX: (505)289-3060 JERSTGAARD@ABCWUA.ORG	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY P.O. BOX 568 ALBUQUERQUE, NM 87103
GURULE, ANDREW OFFICE PHONE: (505) 280-8014 ANDREW.GURULE@PNM.COM	PNM ELECTRIC 4201 EDITH BLVD. NE ALBUQUERQUE, NM 87107
DUNLOP, JOE OFFICE PHONE: (505) 697-3156 JOE.DUNLOP@NMGCO.COM	NEW MEXICO GAS COMPANY 4625 EDITH NE ALBUQUERQUE, NM 87107
BROWN, JOHN CELL PHONE: (505) 450-2338 OFFICE FAX: (505) 314-0890 JOHN@BCGASSETS.COM	BCG ASSETS 505 MARQUETTE AVENUE NW SUITE LL-110A ALBUQUERQUE, NM 87102
CROWEL, DAVID OFFICE PHONE: (505) 842-2911 OFFICE FAX: (505) 842-2890 DCROWEL@ATT.COM	AT&T RESOURCE SUPERVISOR 111 3RD STREET NW ALBUQUERQUE, NM 87103
DARNELL, ANDY OFFICE PHONE: (505) 346-4470 OFFICE FAX: 348-8666 ANDY.DARNELL@MCI.COM	MCI WORLDCOM OPERATIONS MANAGER 6001 MIDWAY PARK NE ALBUQUERQUE, NM 87109
MORTUS, MIKE OFFICE PHONE: (505) 761-6252 OFFICE FAX: (505) 761-0599 CELL: (505) 269-4008 MIKE.MORTUS@CABLE.COMCAST.COM	COMCAST CONSTRUCTION COORDINATOR 4611 MONTBEL PLACE NE ALBUQUERQUE, NM 87107
HARRISON, ROYAL OFFICE PHONE: (505) 938-7339 OFFICE FAX: 938-7380 CELL: (505) 301-9120 ROYAL.HARRISON@TWTELECOM.COM	TIME WARNER TELECOM OF NEW MEXICO SENIOR ENGINEER 5411 JEFFERSON STREET NE, STE. 200 ALBUQUERQUE, NM 87109
KELLY, LARRY OFFICE PHONE: (505) 246-0501 OFFICE FAX: (505) 246-0479 CELL: (505) 270-3442 LARRY.KELLY@QWEST.COM	QWEST LONG DISTANCE SR. OPERATIONS TECH 400 TIJERAS NW SUITE 570 ALBUQUERQUE, NM 87102
MUELLER, RICK OFFICE PHONE: (505) 217-0039 OFFICE FAX: 217-0048 RICHARD.MUELLER@PAETEC.COM	PAETEC COMMUNICATION FIELD TECHNICIAN 505 MARQUETTE NW (COMPASS BANK) SUITE 1600 ALBUQUERQUE, NM 87102
YOUNG, BEVERLY OFFICE PHONE: (505) 245-5934 OFFICE FAX: (505) 245-6733 CELL: (505) 715-7529 BEVERLY.YOUNG@QWEST.COM	QWEST SR DESIGN NM ENGINEERING/PLANNING 400 TIJERAS NW ALBUQUERQUE, NM 87102
MUELLER, RICK OFFICE PHONE: (505) 244-3161 OFFICE FAX: 244-0094 CELL: 228-3329 RDMUELLER@MCLEODUSA.COM	MCLEOD USA SUPERVISOR OF OUTSIDE TECHS. 505 MARQUETTE NW (COMPASS BANK) SUITE 1600 ALBUQUERQUE, NM 87102
INCIDENTAL ITEMS	ENGINEER'S SEAL
<ul style="list-style-type: none">CORRECTION OF PAVEMENT DROP-OFF. SEE GENERAL NOTE 2, THIS SHEETMATCH EXISTING PAVEMENTS. SEE GENERAL NOTE 10, THIS SHEETCLEAR ZONE SHIELDING. SEE GENERAL NOTE 17, THIS SHEETOFF DUTY POLICE OFFICER. SEE GENERAL NOTE 18, THIS SHEETPROVIDE AND MAINTAIN ALL SIGNING. SEE GENERAL NOTE 23, THIS SHEETPROVIDE WATER SHUT-OFF PLAN. SEE GENERAL NOTE 24, THIS SHEETFIELD VERIFY EXISTING UTILITY LOCATIONS. GENERAL NOTE 25, THIS SHEETDETECTABLE WARNING DEVICES. SEE GENERAL NOTE 26, THIS SHEETPREPOUR INSPECTION. SEE GENERAL NOTE 33, THIS SHEET	<div>EDWARD POTHOFF NEW MEXICO 17833 PROFESSIONAL ENGINEER MAY 11 2015</div>
SURVEY INFORMATION	REVISIONS
THE STATION IS A COA SURVEY CONTROL. NO. 1/2" ALUMINUM DISK SET IN CONCRETE AND IS STAMPED "8-K9, 1999" NAD 83 NADSP COORDINATES CENTRAL ZONE NAD 1983 ELEV = 5250.166' GROUND TO GRID FACTOR = 0.999578 NORTHING = 1484984.639 EASTING = 1492463.769	NO. DATE BY REMARKS REVISIONS HDR ENGINEERING INC. DESIGNED BY: AMG DATE: 09/2014 DRAWN BY: AMG DATE: 09/2014 CHECKED BY: ELP DATE: 09/2014
<div>CALL BEFORE YOU DIG! STATEWIDE 811 ALBUQUERQUE 260-1990</div>	
<div><div>HR</div><div>2155 LOUISIANA BLVD NE SUITE 8000 ALBUQUERQUE, NM 87110 MARK (505) 830-5400 FAX (505) 830-5404</div><div><div>CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION</div><div>TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION LEGEND, GENERAL NOTES, INCIDENTALS & UTILITY OWNERS</div><div><div>Design Review Committee APPROVED MAY 05 2015 DESIGN REVIEW COMMITTEE</div><div>City Engineer Approval APPROVED MAY 06 2015 CITY ENGINEER</div><div>Last Design Update</div><div>No./Day/Yr.</div><div>No./Day/Yr.</div></div><div>City Project No. 7856.03 Zone Map No. K-8,K-9 Sheet 2 of 12</div></div></div>	

[illegible]

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
NO.	DATE	BY					
					THE STATION IS A COA SURVEY CONTROL, 3-1/2" ALUMINUM DISK SET IN CONCRETE.	CONTRACTOR	DATE
					AND IS STAMPED "B-K3 1989"	WORK INSPECTED BY	DATE
					NAD 83 NMSP COORDINATES CENTRAL ZONE	FIELD ACCEPTANCE BY	DATE
					NAVD 1988 ELEV = 5250.166'	FIELD DRAWINGS	DATE
					GROUND TO GRID FACTOR: 0.999678	CORRECTED BY	
					NORTHING = 1494994.639	RECORDED BY	DATE
					EASTING = 1492463.789	NO.	
 <p>Aug. 17, 2015</p>							
NO. DATE		REMARKS		BY			
REVISIONS							
HDR ENGINEERING INC.							
DESIGNED BY: AMG		DATE: 09/2014					
DRAWN BY: AMG		DATE: 09/2014					
CHECKED BY: ELP		DATE: 09/2014					



2155 LOUISIANA BLVD NE
SUITE 9500
ALBUQUERQUE, NM 87111
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FAX: (505) 830-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION

SUMMARY OF QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7856.03

Zone Map No.
K-8 K-

Sheet	Of
3	12

Date: Feb 03, 2015 - 11:57am - c:\pwworking\john\303956408\04_MDOT.dwg
Drawing Name: C:\pwworking\john\303956408\04_MDOT.dwg

ITEM NO. 301.02 SUBGRADE PREPARATION 12" AT 95% COMPACTION, CIP.						
STATION	OFFSET	TO	STATION	OFFSET	AREA SY	DESCRIPTION
98TH STREET ALIGNMENT						
11+54.42	0.00'	-	16+49.36	0.00'	3164.72	98TH STREET
AVALON ROAD ALIGNMENT						
51+57.02	0.00'	-	54+01.28	0.00'	1336.56	AVALON ROAD
TOTAL					4501.28	
USE					4510	

ITEM NO. 302.011 AGGREGATE BASE COURSE, CRUSHED 11" AT 95% COMPACTION, CIP. SD 2408						
STATION	OFFSET	TO	STATION	OFFSET	AREA SY	DESCRIPTION
98TH STREET ALIGNMENT						
11+54.42	0.00'	-	16+49.36	0.00'	3164.72	98TH STREET
AVALON ROAD ALIGNMENT						
51+57.02	0.00'	-	54+01.28	0.00'	1336.56	AVALON ROAD
TOTAL					4501.28	
USE					4510	

ITEM NO. 337.07 CONCRETE PAVEMENT, 11" THICK, PORTLAND CEMENT CONCRETE WITH FLY ASH, CIP. SD 2407						
STATION	OFFSET	TO	STATION	OFFSET	AREA SY	DESCRIPTION
98TH STREET ALIGNMENT						
11+54.42	0.00'	-	16+49.36	0.00'	3164.72	98TH STREET
AVALON ROAD ALIGNMENT						
51+57.02	0.00'	-	54+01.28	0.00'	1336.56	AVALON ROAD
TOTAL					4501.28	
USE					4510	

ITEM NO. 340.01 SIDEWALK, 4" THICK, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION, CIP. SD 2430						
STATION	OFFSET	TO	STATION	OFFSET	AREA SY	DESCRIPTION
98TH STREET ALIGNMENT						
11+58.39	65.82' LT	-	11+90.93	94.45' LT	34.88	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
12+93.25	63.05' LT	-	13+19.15	51.72' LT	20.35	NORTHWEST 98TH STREET/AVALON ROAD INTERSECTION
TOTAL					55.23	
USE					60	

STATIONS TAKEN AT TOP BACK OF CURB

ITEM NO. 340.023 WHEELCHAIR ACCESS RAMP, 4" PCC, STD. CURB., CIP. SD 2418						
STATION	OFFSET	TO	STATION	OFFSET	AREA SY	DESCRIPTION
98TH STREET ALIGNMENT						
11+70.55	62.95' LT	-	11+84.51	62.96' LT	11.10	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
12+75.36	63.05' LT	-	12+93.25	63.05' LT	13.88	NORTHWEST 98TH STREET/AVALON ROAD INTERSECTION
TOTAL					24.98	
USE					30	

STATIONS TAKEN AT TOP BACK OF CURB

ITEM NO. 340.05 CURB & GUTTER, STANDARD, PC CONCRETE, INCL. SUBGRADE PREP., CIP, SD 2415						
STATION	OFFSET	TO	STATION	OFFSET	LENGTH LF	DESCRIPTION
AVALON ROAD ALIGNMENT						
51+56.94	22.05' LT	-	53+99.09	94.47' LT	286.22	NORTHWEST 98TH STREET/AVALON ROAD INTERSECTION
51+61.10	23.79' RT	-	53+99.34	67.34' RT	262.82	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
TOTAL					549.04	
USE					550	

STATIONS TAKEN AT FLOWLINE OF CURB

ITEM NO. 340.11 HEADER CURB, PC CONCRETE, INCL. SUBGRADE, CIP., SD 2415						
STATION	OFFSET	TO	STATION	OFFSET	LENGTH LF	DESCRIPTION
98TH STREET ALIGNMENT						
11+70.55	62.95' LT	-	11+84.51	62.96' LT	13.95	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
11+70.46	69.94' LT	-	11+89.58	68.97' LT	20.52	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
11+73.96	55.34' LT	-	11+85.57	64.04' LT	28.88	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
11+89.39	68.69' LT	-	11+90.26	88.26' LT	25.14	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
12+67.82	69.05' LT	-	12+93.25	69.05' LT	29.42	NORTHWEST 98TH STREET/AVALON ROAD INTERSECTION
12+75.36	63.05' LT	-	12+93.25	63.05' LT	17.89	NORTHWEST 98TH STREET/AVALON ROAD INTERSECTION
TOTAL					135.80	
USE					140	

ITEM NO. 340.061 CURB & GUTTER, MOUNTABLE MEDIAN, PC CONCRETE, INCL. SUBGRADE PREP., CIP. SD 2415						
STATION	OFFSET	TO	STATION	OFFSET	LENGTH LF	DESCRIPTION
98TH STREET ALIGNMENT						
11+54.42	3.40' LT	-	11+65.22	6.06' LT	24.65	SOUTH 98TH STREET MEDIAN
12+84.73	5.04' LT	-	13+61.73	8.67' RT	80.91	NORTHEAST 98TH STREET MEDIAN
12+84.73	5.04' LT	-	16+49.36	8.67' LT	366.50	NORTHWEST 98TH STREET MEDIAN
AVALON ROAD ALIGNMENT						
52+63.59	2.36' LT	-	53+78.09	2.36' LT	233.19	AVALON ROAD MEDIAN
TOTAL					705.26	
USE					710	

STATIONS TAKEN AT FLOWLINE OF CURB

ITEM NO. 341.01 ASPHALT CONCRETE CURB, MACHINE EXTRUDED, CIP., SD 2415						
STATION	OFFSET	TO	STATION	OFFSET	AREA SY	DESCRIPTION
98TH STREET ALIGNMENT						
11+45.86	36.46' RT	-	15+58.01	50.87' RT	412.6	EAST 98TH STREET
TOTAL					412.6	
USE					415	

ITEM NO. 343.03 EXISTING PAVEMENT, ASPHALT CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL.						
STATION	OFFSET	TO	STATION	OFFSET	AREA SY	DESCRIPTION
98TH STREET ALIGNMENT						
11+54.42	0.00'	-	16+49.36	0.00'	3164.72	98TH STREET
AVALON ROAD ALIGNMENT						
51+57.02	0.00'	-	54+01.28	0.00'	1336.56	AVALON ROAD
TOTAL					4501.28	
USE					4510	

ITEM NO. 343.085 EXISTING SIDEWALK, 4" PC CONCRETE, REMOVE & DISPOSE						
STATION	OFFSET	TO	STATION	OFFSET	AREA SY	DESCRIPTION
98TH STREET ALIGNMENT						
11+58.39	65.82' LT	-	11+90.93	94.45' LT	58.26	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
12+58.81	70.63' LT	-	13+19.15	51.72' LT	41.61	NORTHWEST 98TH STREET/AVALON ROAD INTERSECTION
TOTAL					99.87	
USE					100	

STATIONS TAKEN AT TOP BACK OF CURB

ITEM NO. 343.08 EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL.						
STATION	OFFSET	TO	STATION	OFFSET	LENGTH LF	DESCRIPTION
98TH STREET ALIGNMENT						
11+54.34	50.60' LT	-	13+14.15	51.00' LT	235.54	INTERSECTION OF 98TH STREET AND AVALON ROAD
11+54.42	3.40' LT	-	11+65.22	6.06' LT	24.65	MOUNTABLE C&G SOUTH 98TH STREET MEDIAN
12+84.73	5.04' LT	-	13+61.73	8.67' RT	80.91	MOUNTABLE C&G 98TH STREET NORTH MEDIAN
12+84.73	5.04' LT	-	16+49.36	8.67' LT	366.50	MOUNTABLE C&G 98TH STREET NORTH MEDIAN
AVALON ROAD ALIGNMENT						
51+61.10	23.79' RT	-	53+99.34	67.34' RT	262.82	STANDARD C&G SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
51+56.94	22.05' LT	-	53+99.09	97.47' LT	292.49	STANDARD C&G NORTHWEST 98TH STREET/AVALON ROAD INTERSECTION
52+63.59	2.36' LT	-	53+78.09	2.36' LT	252.23	MOUNTABLE C&G AVALON ROAD MEDIAN
TOTAL					1515.15	
USE					1520	

STATIONS TAKEN AT FLOWLINE OF CURB

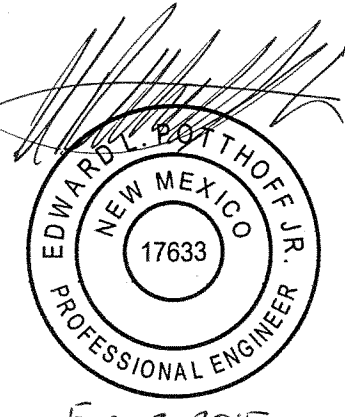
ITEM NO. 346.1 TEXTURED MEDIAN PAVEMENT, 4" THICK, COLORED PC CONCRETE, INCL. SUBGRADE COMPACTION, CIP. SD 2408						
STATION	OFFSET	TO	STATION	OFFSET	AREA SF	DESCRIPTION
98TH STREET ALIGNMENT						
11+54.42	3.40' LT	-	11+65.22	6.06' LT	35.02	98TH STREET SOUTH MEDIAN
11+78.01	58.45' LT	-	11+83.08	62.46' LT	1.19	SOUTHWEST 98TH STREET/AVALON ROAD INTERSECTION
12+77.23	62.55' LT	-	12+84.29	58.55' LT	1.64	NORTHWEST 98TH STREET/AVALON ROAD INTERSECTION
12+84.73	5.04' LT	-	13+61.73	8.67' RT	993.71	98TH STREET NORTH MEDIAN
AVALON ROAD ALIGNMENT						
52+63.59	2.36' LT	-	53+78.09	2.36' LT	224.86	AVALON ROAD MEDIAN
TOTAL					1256.42	
USE					1260	




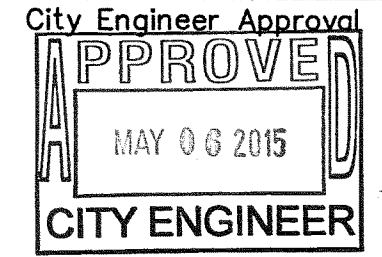
STATIONS TAKEN AT FLOWLINE OF CURB

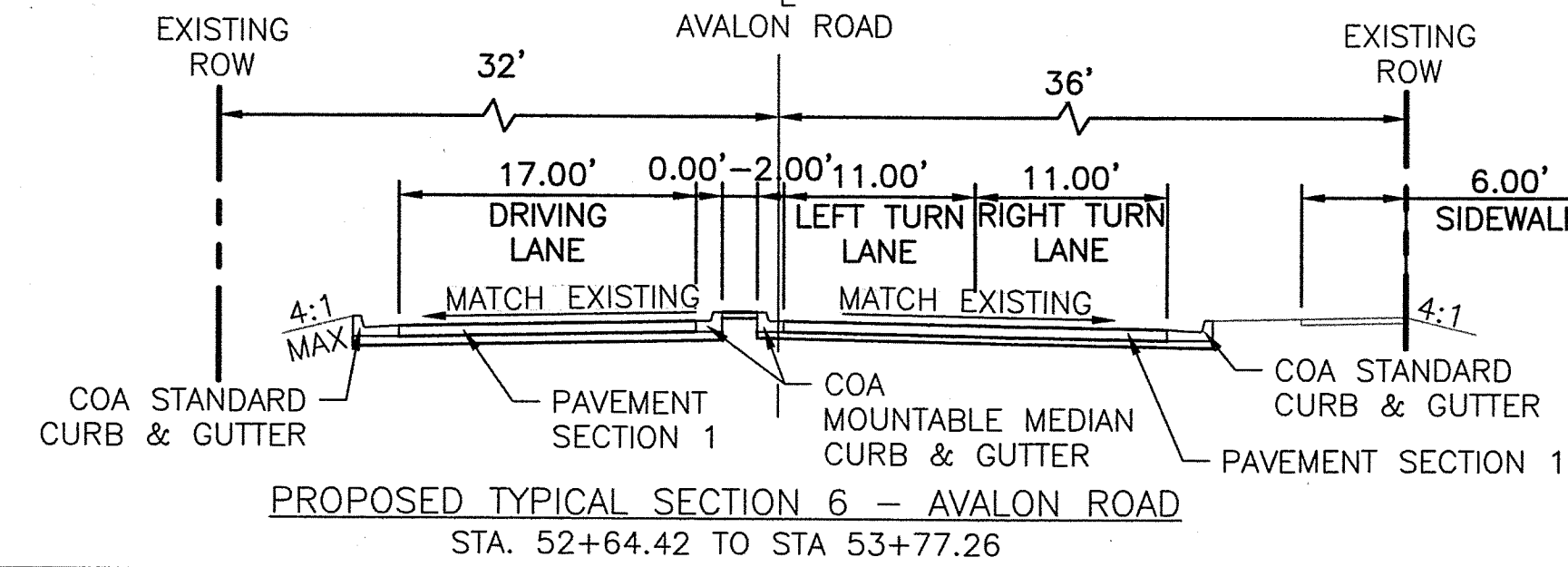
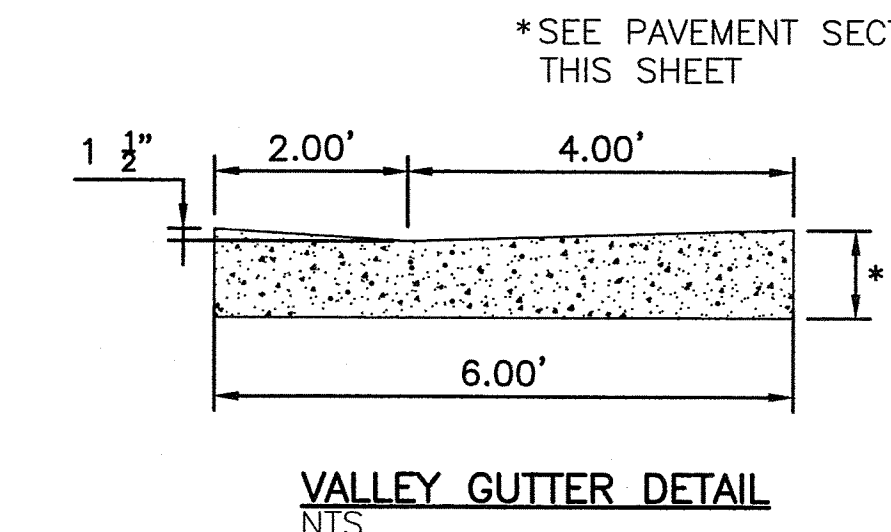
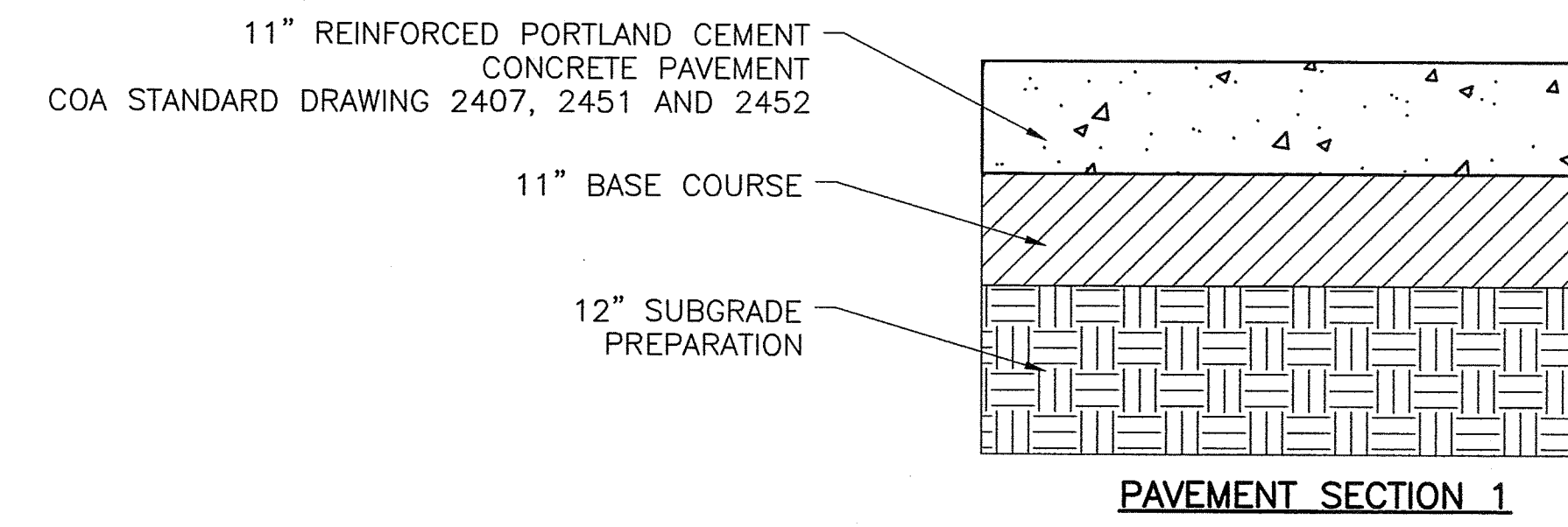
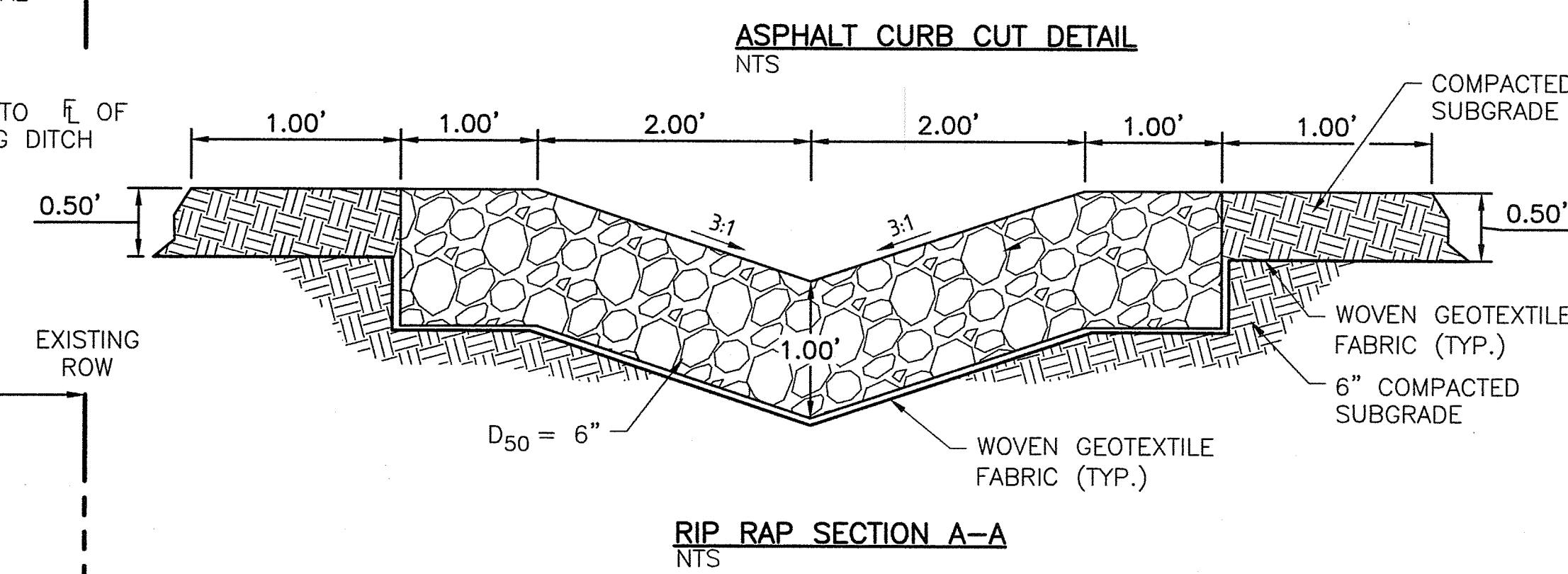
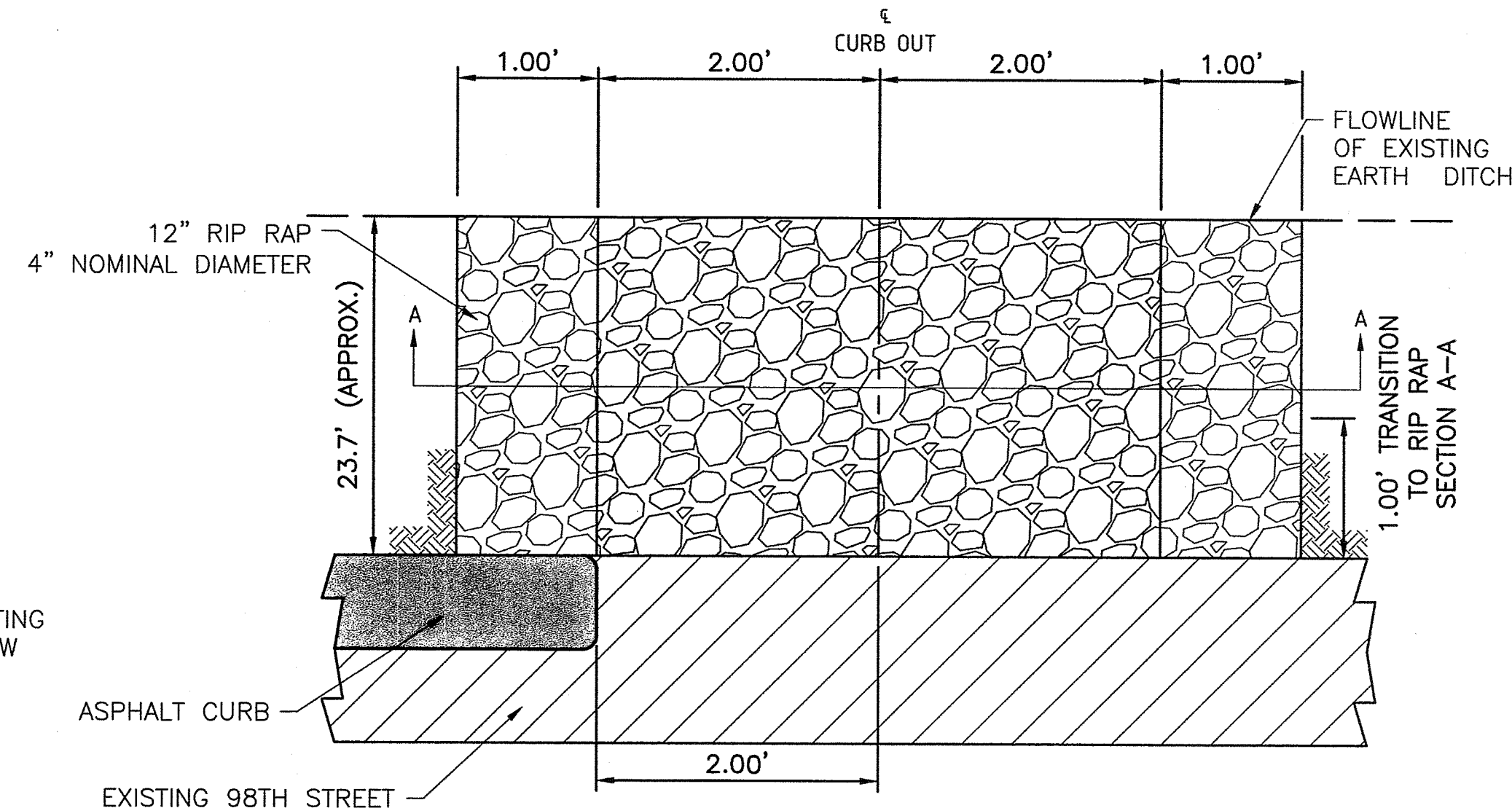
ITEM NO. 603.032 INSTALL NEW RIP-RAP LINED DITCHES, COMPLETE, INCLUDING GEOTEXTILE						
STATION	OFFSET	TO	STATION	OFFSET	AREA SF	DESCRIPTION
98TH STREET ALIGNMENT						
11+44.78	60.35' RT	-	11+44.86	36.63' RT	94.33	98TH STREET
TOTAL					94.33	
USE					95	

ITEM NO. 920.42 EXISTING MANHOLE FRAME & COVER, ADJUST TO PAVEMENT GRADE WHERE ADJUSTMENT OF CONCRETE OR BLOCK BARREL IS REQUIRED, CIP.			
STATION	OFFSET	EACH	DESCRIPTION
12+23.59	3.30' LT	1	SANITARY SEWER MANHOLE
12+41.79	49.50' LT	1	STORM DRAIN MANHOLE
12+64.07	67.25' LT	1	STORM DRAIN MANHOLE
TOTAL		3	
USE		3	

ITEM NO. 801.112 VALVE BOX, RING & COVER, ADJUST TO GRADE, CIP. SD 2328			
STATION	OFFSET	EACH	DESCRIPTION
52+21.94	14.90' LT	1	WATER VALVE
52+25.34	14.36' LT	1	WATER VALVE
TOTAL		2	
USE		2	

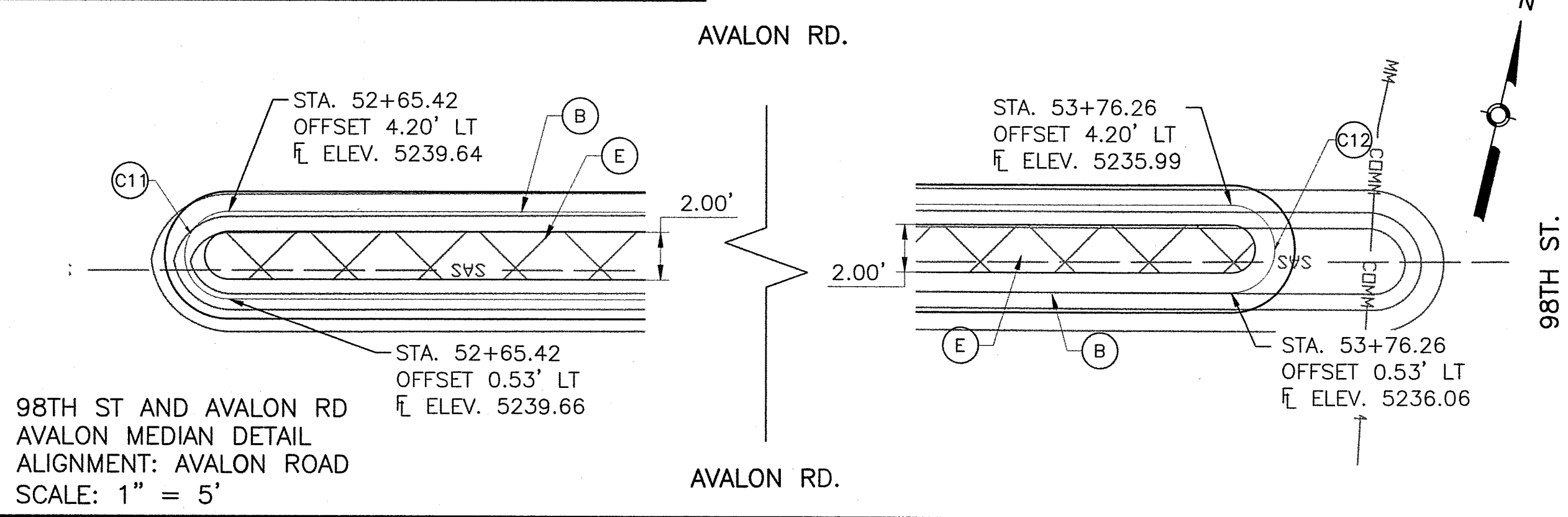
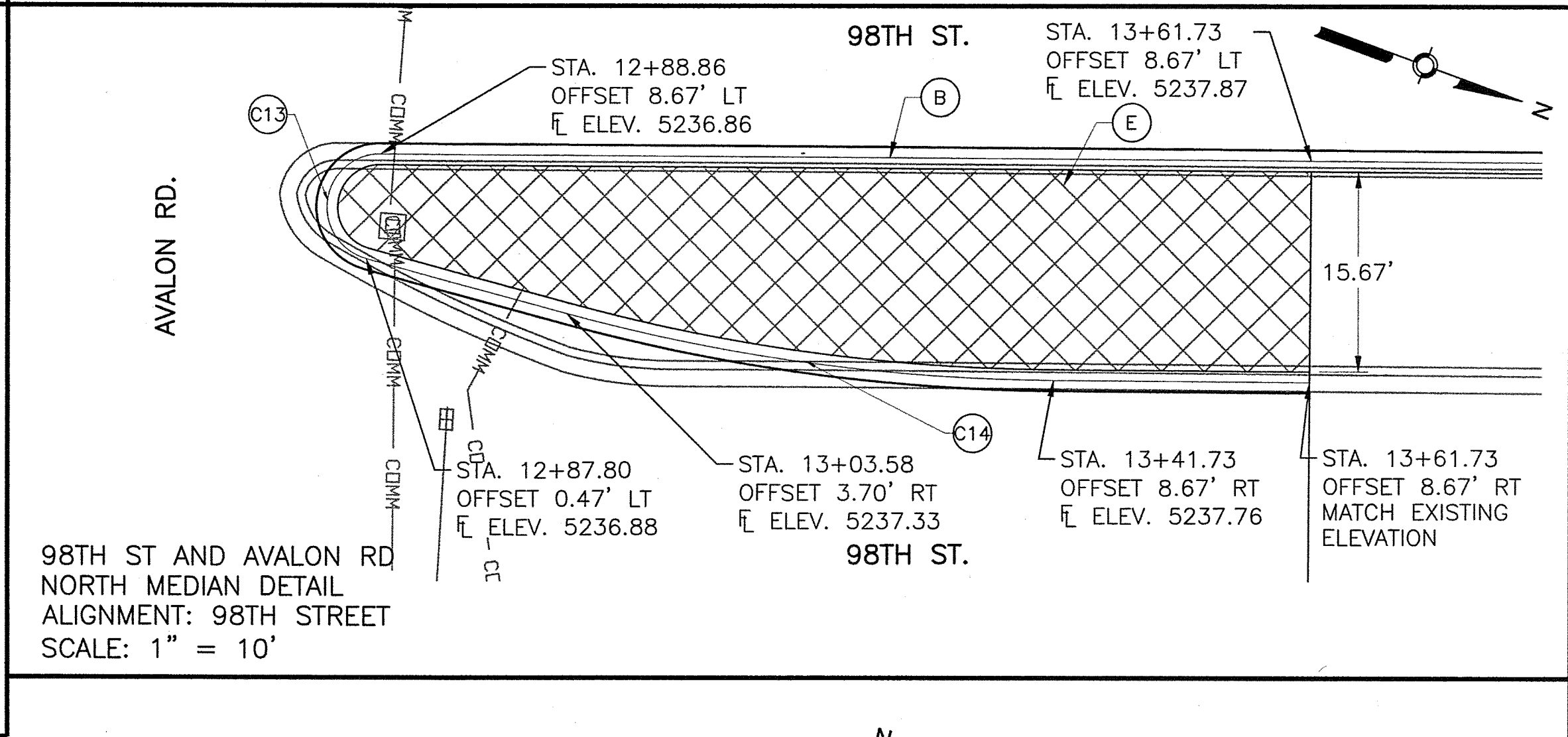
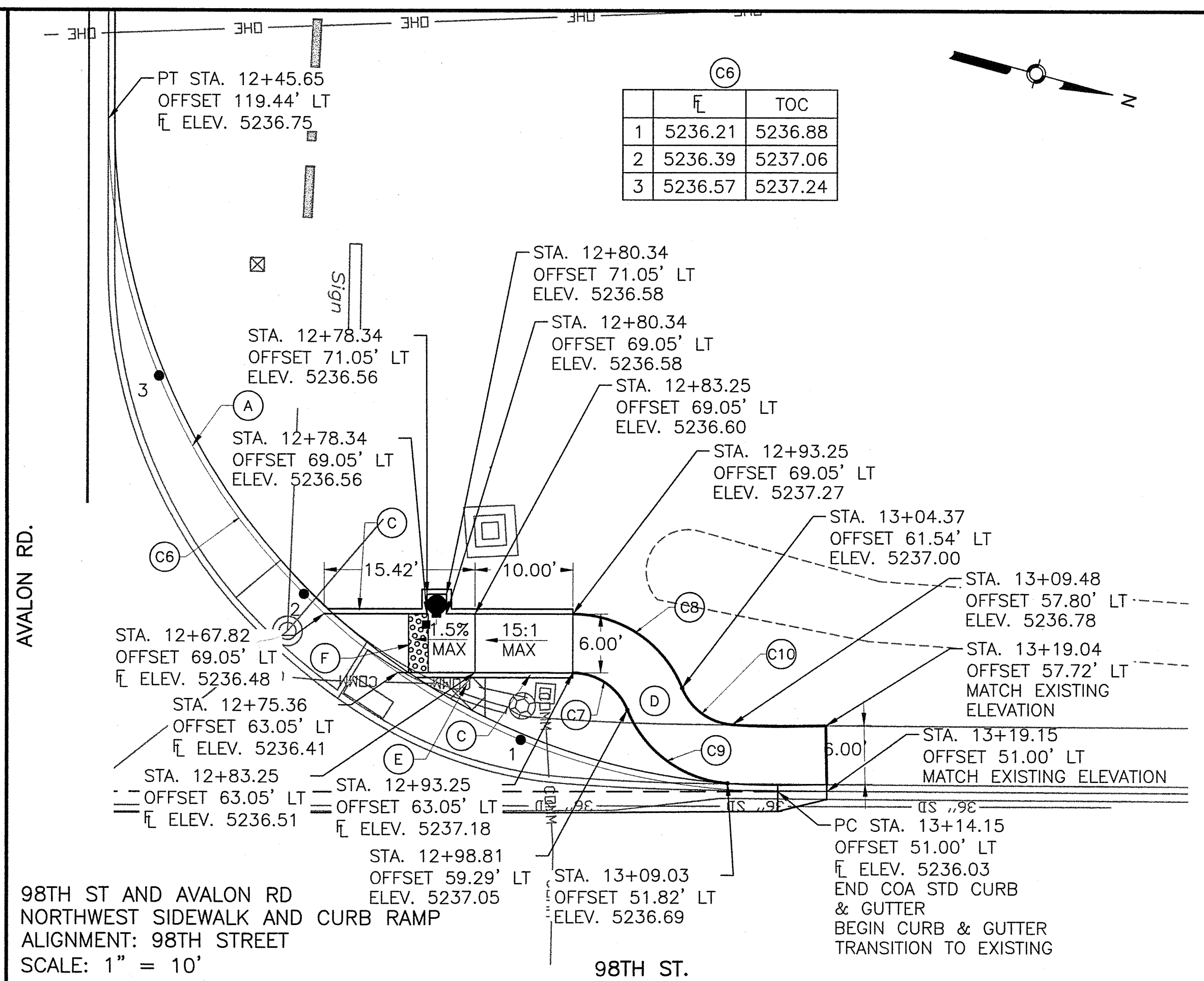
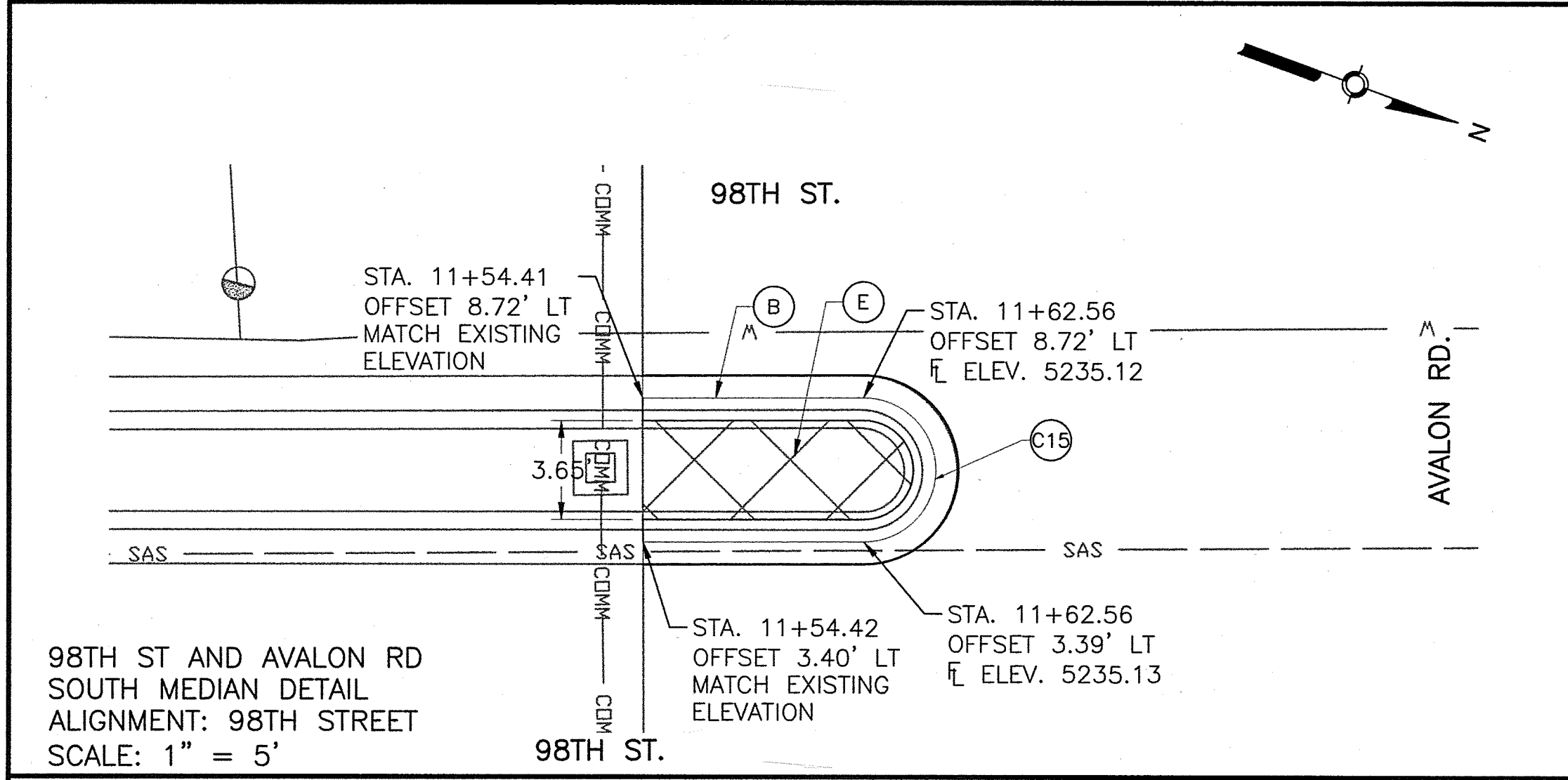
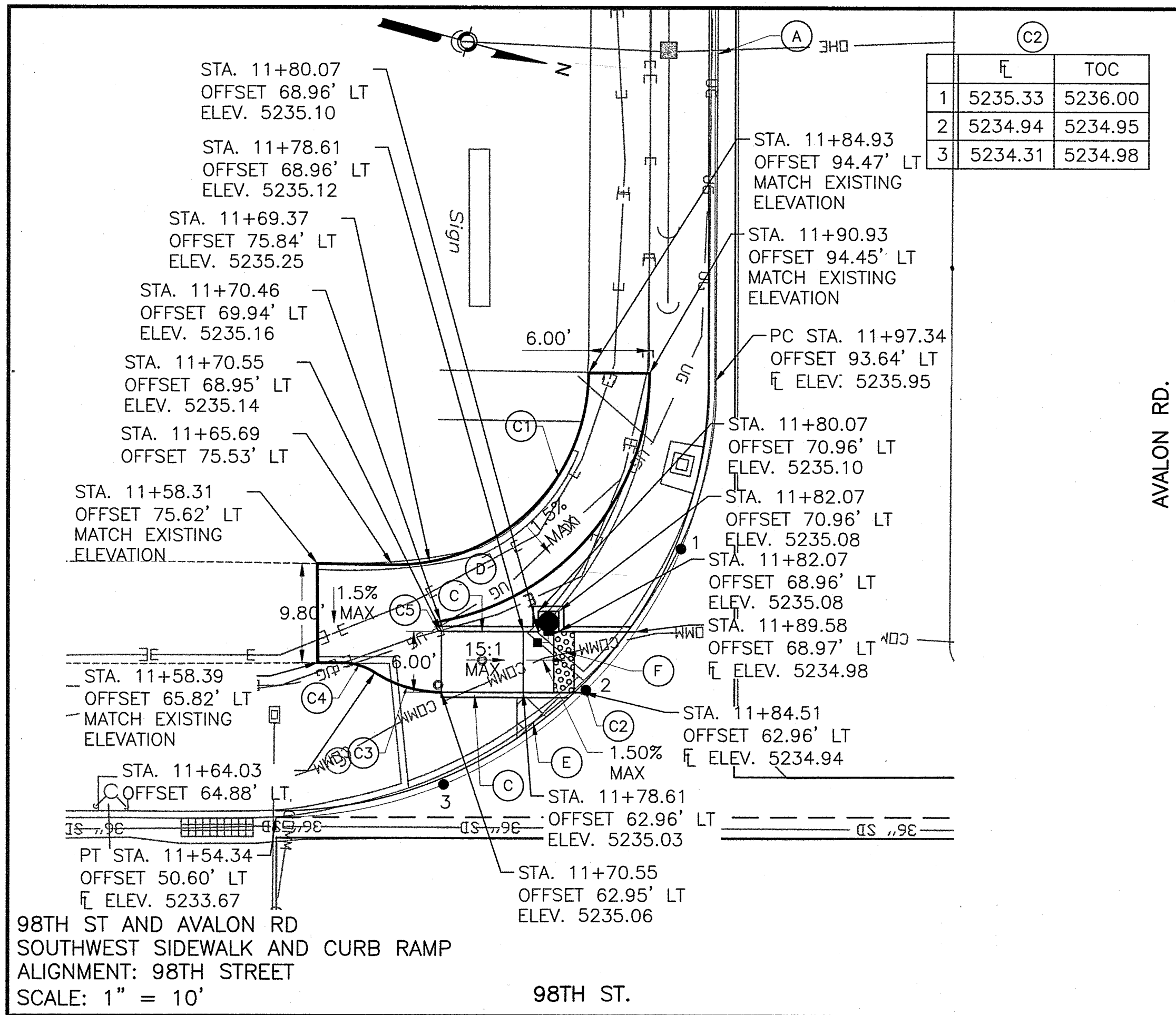
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		CONTRACTOR		DATE	
		NO.		WORK		DATE	
REVISIONS		BY		ACCEPTANCE BY		DATE	
		NO.		DATE		DATE	
DESIGNED BY: AMG		DATE: 09/2014		DATE		DATE	
		DRAWN BY: AMG		DATE: 09/2014		DATE	
CHECKED BY: ELP		DATE: 09/2014		DATE		DATE	
		DATE: 09/2014		DATE		DATE	

		2155 LOUISIANA BLVD NE, SUITE 6000 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454			
					
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION					
TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION					
MISCELLANEOUS QUANTITIES					
Design Review Committee		City Engineer Approval			
					
City Project No. 7856.03		Zone Map No. K-8,K-9			
Sheet 4		Of 12			

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Date: Feb 03, 2015 - 5:42pm, angular, Layout: Layout1
Drawing Name: C:\working\eha\0358408\06_A001.dwg



- KEYED NOTES**
- (A) BUILD STANDARD CURB & GUTTER. SEE COA STANDARD DRAWING 2415A.
 - (B) BUILD MOUNTABLE MEDIAN CURB & GUTTER. SEE COA STANDARD DRAWING 2415B.
 - (C) BUILD HEADER CURB. SEE COA STANDARD DRAWING 2415B.
 - (D) BUILD 4" CONCRETE SIDEWALK. SEE COA STANDARD DRAWING 2430.
 - (E) BUILD 4" CONCRETE TEXTURED MEDIAN PAVEMENT. SEE COA STANDARD DRAWING 2408.
 - (F) INSTALL DETECTABLE WARNING SURFACE. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE X LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

CURVE DATA

CURVE NO.	DELTA	RADIUS	LENGTH	TANGENT
C1	90°33'08"	19.00'	30.03'	19.18'
C2	90°03'00"	43.00'	67.58'	43.04'
C3	32°58'48"	12.00'	6.91'	3.55'
C4	33°21'41"	6.00'	3.49'	1.80'
C5	169°37'28"	0.50'	1.48'	5.51'
C6	89°48'59"	68.58'	107.51'	68.36'
C7	68°01'03"	6.00'	7.12'	4.05'
C8	68°01'03"	12.00'	14.25'	8.10'
C9	63°41'21"	12.00'	13.34'	7.45'
C10	63°41'21"	6.00'	6.67'	3.73'
C11	180°00'00"	1.83'	5.79'	N/A
C12	180°00'00"	1.83'	5.76'	N/A
C13	165°10'46"	4.17'	12.01'	32.04'
C14	14°49'14"	149.17'	38.58'	19.40'
C15	180°00'00"	2.66'	8.36'	N/A

ENGINEER'S SEAL

EDWARD L. POTTS, JR.
NEW MEXICO
17633
FEB. 3, 2015

REVISIONS

NO.	DATE	REMARKS	BY
1	03/2014		
2	03/2014		
3	03/2014		
4	03/2014		
5	03/2014		

DESIGNED BY: AMG
DRAWN BY: AMG
CHECKED BY: ELP

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION

MISCELLANEOUS DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 9 5 2015 DESIGN REVIEW COMMITTEE	APPROVED MAY 9 6 2015 CITY ENGINEER		

City Project No. 7856.03
Zone Map No. K-8,K-9
Sheet 6 of 12

DISPOSE EXISTING CURB AND THE NEAREST JOINT

STING AND DISPOSE CONCRETE TO THE NEAREST JOINT

DISPOSE EXISTING MEDIAN

AL SAWCUT AND REMOVE AND STING PAVEMENT

N MANHOLE TO REMAIN AND GRADE

OWER MANHOLE TO REMAIN AND GRADE

E TO REMAIN AND ADJUST TO

BE REMOVED AND DISPOSED

LARD AND DISPOSE

D LEAVE IN PLACE

DISPOSE EXISTING VALLEY

APPENDIX

GROUND COMMUNICATIONS LINE

GROUND ELECTRIC LINE

HEAD ELECTRIC LINE

ARY SEWER LINE

STORM DRAIN

M DRAIN

GROUND GAS LINE

GROUND WATER LINE

0 10' 20'

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

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT
STREET AND AVALON ROAD INTERSECTION

REMOVALS AND ADJUSTMENTS

City Engineer Approval

APPROVED

MAY 08 2015

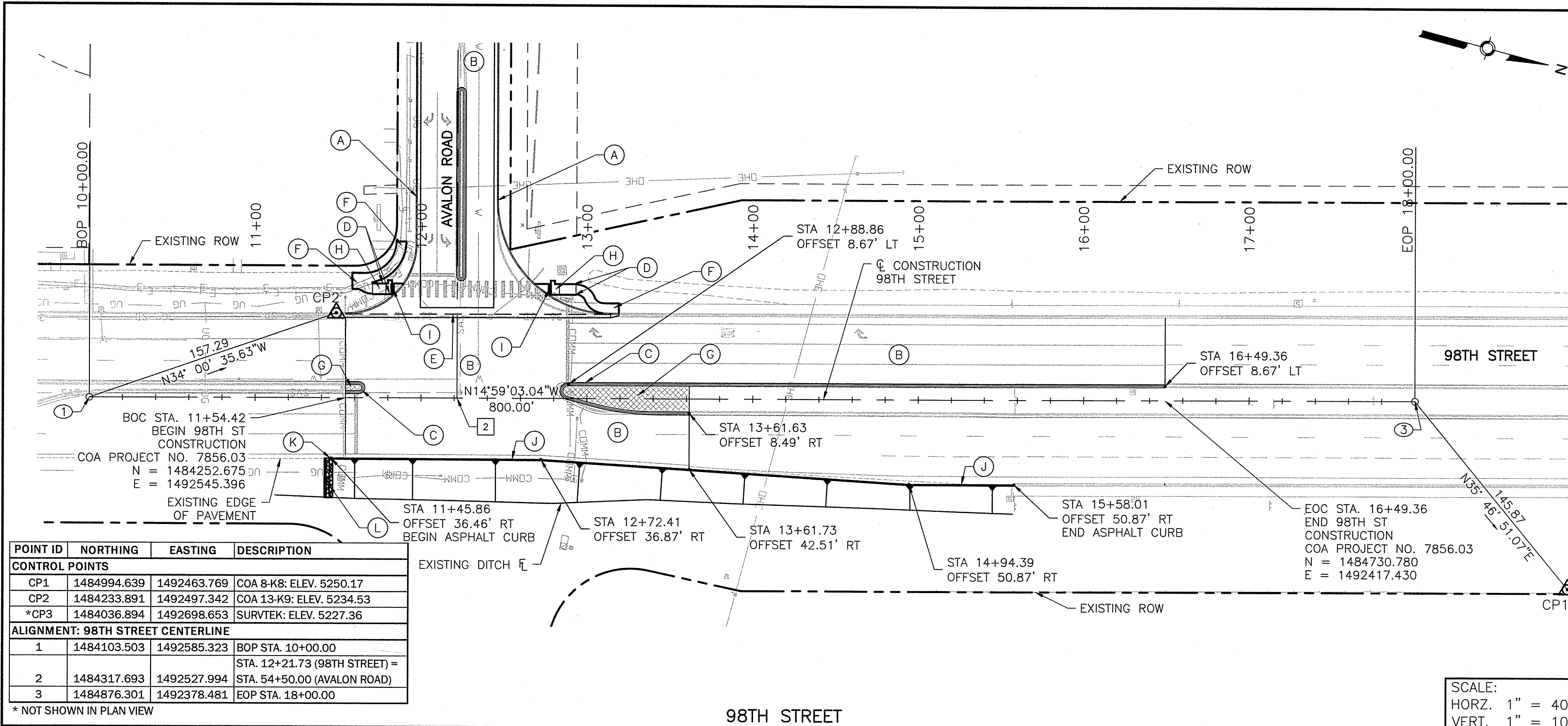
CITY ENGINEER

Zone Map N

K-8,K-9

DATE		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES		THE STATION IS A COA SURVEY CONTROL.		CONTRACTOR	DATE
				NO.	BY	DATE	3-1/2" ALUMINUM DISK SET IN CONCRETE	INSPECTOR'S	DATE
							AND IS STAMPED "9-K9, 1993"	STAMPED BY	DATE
NO.	DATE	REMARKS	BY				NAD 83 NADSP COORDINATES CENTRAL ZONE	VERIFICATION BY	DATE
		REVISIONS					NAVD 1988 ELEV = 5250.166'	CORRECTED BY	DATE
		HDR ENGINEERING INC.					GROUND TO GRID FACTOR: 0.999678	MICRO-FILM INFORMATION	
		DESIGNED BY: AMG	DATE: 09/2014				NORTHING = 1484994.639	RECORDED BY	DATE
		DRAWN BY: AMG	DATE: 09/2014				EASTING = 1492463.769	NO.	
		CHECKED BY: ELP	DATE: 09/2014						

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- KEYED NOTES
- (A) BUILD STANDARD CURB & GUTTER. SEE COA STANDARD DRAWING 2415A.
 - (B) BUILD 11" REINFORCED CONCRETE PAVEMENT. SEE TYPICAL SECTION FOR PAVEMENT SECTION 1.
 - (C) BUILD MOUNTABLE MEDIAN CURB & GUTTER. SEE COA STANDARD DRAWING 2415B.
 - (D) BUILD HEADER CURB. SEE COA STANDARD DRAWING 2415B.
 - (E) BUILD 11" REINFORCED CONCRETE PAVEMENT AS VALLEY GUTTER. SEE TYPICAL SECTION FOR DETAIL.
 - (F) BUILD 4" CONCRETE SIDEWALK. SEE COA STANDARD DRAWING 2430.
 - (G) BUILD 4" CONCRETE TEXTURED MEDIAN PAVEMENT. SEE COA STANDARD DRAWING 2408.
 - (H) BUILD CURB RAMP PER DETAIL. SEE MISCELLANEOUS DETAIL SHEET 6.
 - (I) INSTALL DETECTABLE WARNING SURFACE. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE X LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - (J) BUILD TEMPORARY ASPHALT CURB TYPE C RESIDENTIAL. SEE COA STANDARD DRAWING 2415B.
 - (K) BUILD ASPHALT CURB CUT PER DETAIL, SEE SHEET 5.
 - (L) BUILD RIP RAP RUNDOWN PER DETAIL, SEE SHEET 5.

- UTILITY LEGEND
- COMM— UNDERGROUND COMMUNICATIONS LINE
 - E— UNDERGROUND ELECTRIC LINE
 - OHE— OVERHEAD ELECTRIC LINE
 - SAS— SANITARY SEWER LINE
 - SD 36"— 36" STORM DRAIN
 - SD— STORM DRAIN
 - UG— UNDERGROUND GAS LINE
 - W— UNDERGROUND WATER LINE

- LEGEND
- △ CONTROL POINTS
 - ⊠ ROADWAY INTERSECTION POINT
 - ⊗ ALIGNMENT PI
 - ⊗ ALIGNMENT PC/PT



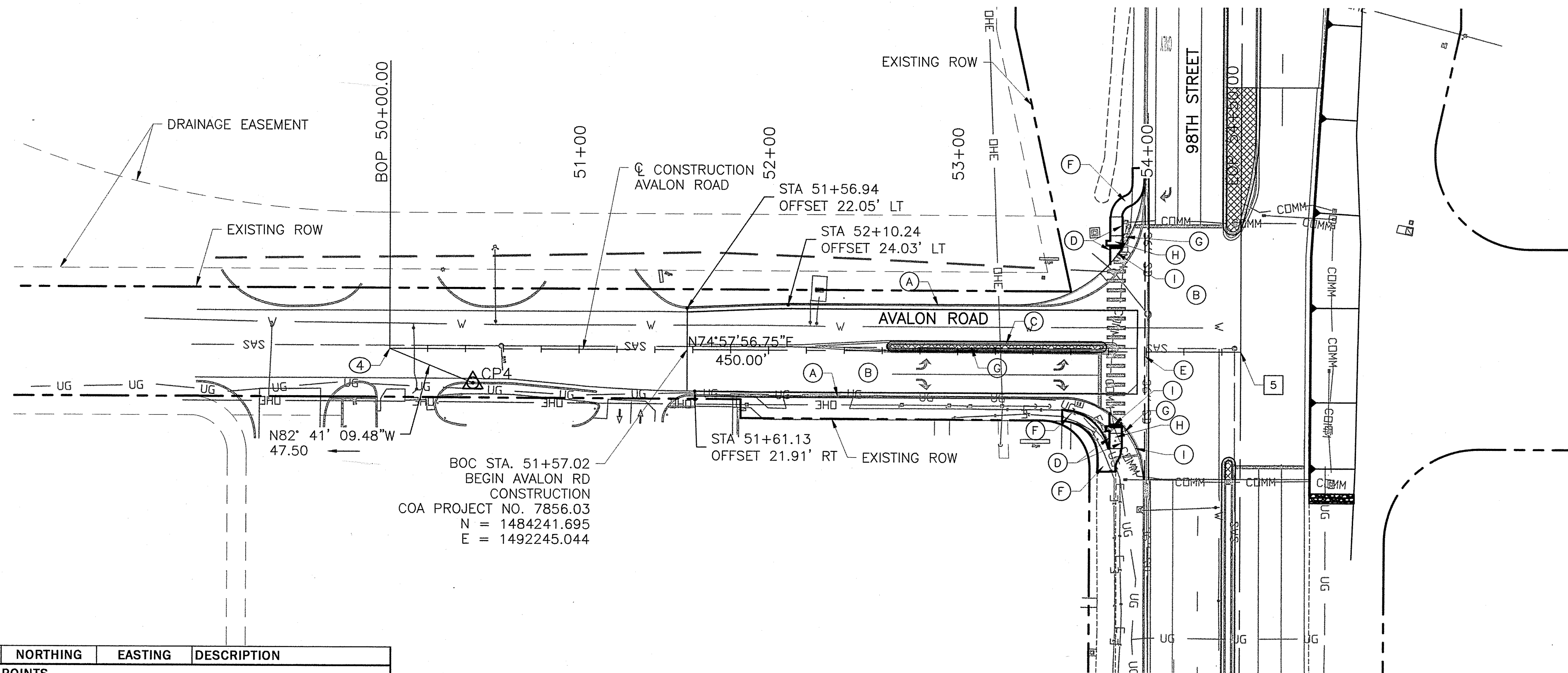
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION

98TH STREET PLAN AND PROFILE

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 05 2015 DESIGN REVIEW COMMITTEE	APPROVED MAY 05 2015 CITY ENGINEER		

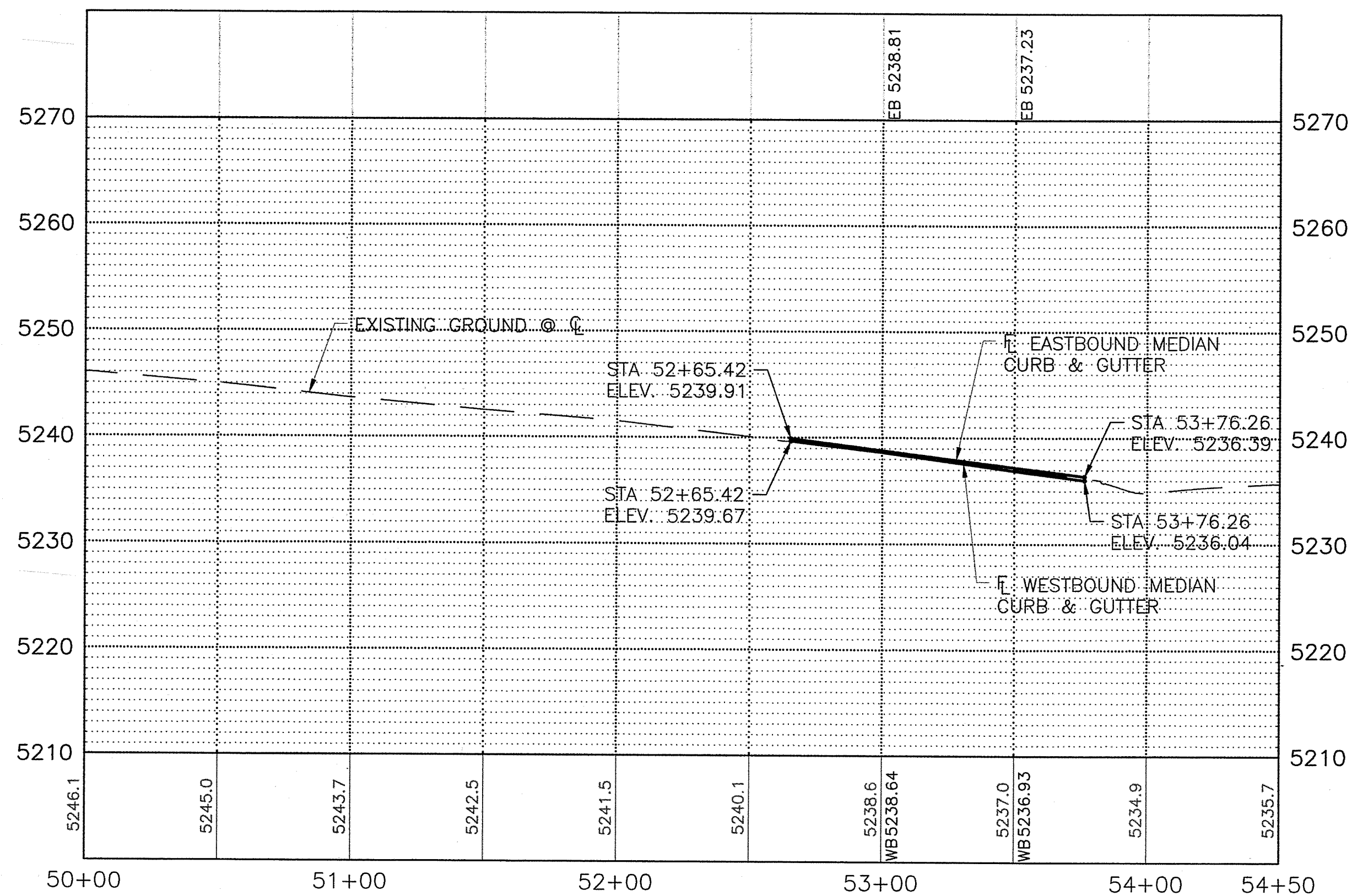
City Project No. 7856.03 Zone Map No. K-8,K-9 Sheet 8 of 12



POINT ID	NORTHING	EASTING	DESCRIPTION
CONTROL POINTS			
CP4	1484194.917	1492140.514	SURVTEK: ELEV. 5245.54
ALIGNMENT: 98TH STREET CENTERLINE			
4	1484200.965	1492093.397	BOP STA. 50+00.00
5	1484317.693	1492527.994	STA. 54+50.00 (AVALON ROAD) = STA. 12+21.73 (98TH STREET)

AVALON ROAD

SCALE:
HORZ. 1" = 40'
VERT. 1" = 10'



KEYED NOTES

- BUILD STANDARD CURB & GUTTER. SEE COA STANDARD DRAWING 2415A.
- BUILD 11" REINFORCED CONCRETE PAVEMENT. SEE TYPICAL SECTION FOR PAVEMENT SECTION 1.
- BUILD MOUNTABLE MEDIAN CURB & GUTTER. SEE COA STANDARD DRAWING 2415B.
- BUILD HEADER CURB. SEE COA STANDARD DRAWING 2415B.
- BUILD 11" REINFORCED CONCRETE PAVEMENT AS VALLEY GUTTER. SEE TYPICAL SECTION FOR DETAIL.
- BUILD 4" CONCRETE SIDEWALK. SEE COA STANDARD DRAWING 2430.
- BUILD 4" CONCRETE TEXTURED MEDIAN PAVEMENT. SEE COA STANDARD DRAWING 2408.
- BUILD CURB RAMP PER DETAIL. SEE MISCELLANEOUS DETAIL SHEET 6.
- INSTALL DETECTABLE WARNING SURFACE. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE X LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- BUILD TEMPORARY ASPHALT CURB TYPE C RESIDENTIAL. SEE COA STANDARD DRAWING 2415B.
- BUILD ASPHALT CURB CUT PER DETAIL, SEE SHEET 5.
- BUILD RIP RAP RUNDOWN PER DETAIL, SEE SHEET 5.

UTILITY LEGEND

- COMM— UNDERGROUND COMMUNICATIONS LINE
- E— UNDERGROUND ELECTRIC LINE
- OHE— OVERHEAD ELECTRIC LINE
- SAS— SANITARY SEWER LINE
- SD 36"— 36" STORM DRAIN
- SD— STORM DRAIN
- UG— UNDERGROUND GAS LINE
- W— UNDERGROUND WATER LINE

LEGEND

- △ CONTROL POINTS
- ⊠ ROADWAY INTERSECTION POINT
- ⊗ ALIGNMENT PI
- ⊙ ALIGNMENT PC/PT



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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION

AVALON ROAD PLAN AND PROFILE

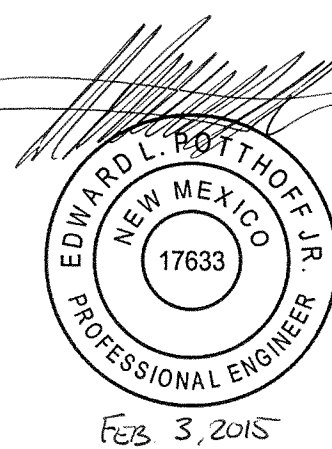
Design Review Committee APPROVE MAY 06 2015 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE MAY 06 2015 CITY ENGINEER
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City Project No. 7856.03

Zone Map No. K-8,K-9

Sheet 9 of 12

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE STATION IS A COA SURVEY CONTROL.	DATE	NO.	BY	REMARKS	BY
WORK INSPECTED BY	DATE	3-1/2" ALUMINUM DISK SET IN CONCRETE	DATE				
ACCEPTANCE BY	DATE	AND IS STAMPED "8-K9, 1989"	DATE				
DRAWINGS	DATE	NAD 83 NAD 83 COORDINATES CENTRAL ZONE	DATE				
CONTRACTOR	DATE	NAD 1988 ELEV = 5250.166'	DATE				
GROUND TO GRID FACTOR: 0.999678	DATE	NORTHING = 1484394.639	DATE				
EASTING = 1492463.769	DATE		DATE				



DESIGNED BY: AMG
DATE: 09/2014
DRAWN BY: AMG
DATE: 09/2014
CHECKED BY: ELP
DATE: 09/2014

Date: Mar 12, 2015 - 11:00am Computer: Layout: Layout1
Drawing Name: C:\working\yha\10336408\10_F301.dwg

GENERAL NOTES FOR PAVEMENT MARKINGS

- ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARDS AND SPECIFICATIONS OR THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION (2014).
- THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE PROJECT MANAGER.
- THE CONTRACTOR MAY BE REQUIRED BY THE PROJECT MANAGER TO PREPARE AS-BUILT DRAWINGS OF THE EXISTING STRIPING AND PAVEMENT MARKINGS PRIOR TO CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN ITEM 441.001, "REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH."
- THE DESIGN SPEED FOR THE ROAD IS: 50 MPH. THE DESIGN VEHICLE IS: WB-67. THE POSTED SPEED LIMIT IS: 45 MPH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS ON FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED. THE LAYOUT OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO THE APPLICATION OF MATERIALS.
- ALL LANE DIMENSIONS ARE FROM CENTER OF LANE STRIPE, CENTER OF DOUBLE LANE STRIPE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- THE FINAL LONGITUDINAL STRIPING SHALL BE PLASTIC REFLECTORIZED 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 NOTED OTHERWISE.
- ALL FINAL TRANSVERSE MARKINGS SHALL BE REFLECTORIZED PLASTIC STRIPING. ALL PAVEMENT ARROWS AND LEGENDS SHALL BE A REFLECTORIZED PREFORMED PLASTIC PAVEMENT MARKING.
- 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.
- 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.
- THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS AND STANDARDS WHEN INSTALLING PAVEMENT, STRIPING, MARKINGS AND MARKERS.

98TH STREET AND AVALON ROAD - PERMANENT SIGNING & STRIPING QUANTITIES (ESTIMATED)

ITEM NUMBER	DESCRIPTION	UNIT	SUBTOTAL	USE
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH	LF	2075.92	2080
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH	LF	275.05	280
441.01	REFLECTORIZED PLASTIC ARROW, RIGHT	EACH	2	2
441.011	REFLECTORIZED PLASTIC ARROW, LEFT	EACH	2	2

98TH STREET AND AVALON ROAD - PAVEMENT MARKINGS SUMMARY

STATION	ITEM NO. 441.01 REFLECTORIZED PLASTIC ARROW, RIGHT (EACH)	ITEM NO. 441.011 REFLECTORIZED PLASTIC ARROW, LEFT (EACH)	REMARKS
AVALON ROAD ALIGNMENT			
52+83.52	1		RIGHT TURN ARROW
52+83.52		1	LEFT TURN ARROW
53+56.50	1		RIGHT TURN ARROW
53+56.50		1	LEFT TURN ARROW
SUBTOTAL	2	2	
USE	2	2	

98TH STREET AND AVALON ROAD - PAVEMENT STRIPING SUMMARY

			REFLECTORIZED PLASTIC PAVEMENT MARKINGS						REMARKS
			ITEM 441.001			ITEM 441.005			
			4" LF			24" LF			
STATION	TO	STATION	SOLID WHITE	DASHED WHITE	SOLID YELLOW	DOUBLE YELLOW	SOLID WHITE		
98TH STREET ALIGNMENT									
11+60.96	-	11+60.96					36.62	STOP BAR	
11+54.48	-	13+61.73	207.43					SOLID WHITE SHOULDER STRIPE	
12+88.36	-	12+88.36					46.87	STOP BAR	
12+88.86	-	16+49.36			360.00			SOLID YELLOW STRIPE	
12+88.86	-	14+88.86	200.00					SOLID WHITE STRIPE	
12+88.86	-	14+88.86	200.00					SOLID WHITE STRIPE	
12+88.86	-	16+49.36	360.00					SOLID WHITE STRIPE	
13+41.73	-	13+61.73			20.00			SOLID YELLOW STRIPE	
13+41.73	-	13+61.73		5.00				DASHED WHITE STRIPE	
14+88.86	-	16+49.36		40.12				DASHED WHITE LANE STRIPE	
14+88.86	-	16+49.36		40.12				DASHED WHITE LANE STRIPE	
AVALON ROAD ALIGNMENT									
51+57.02	-	52+15.52				116.99		SOLID DOUBLE YELLOW	
52+15.29	-	52+62.75				95.06		SOLID DOUBLE YELLOW	
52+15.52	-	52+62.75				94.60		SOLID DOUBLE YELLOW	
52+62.75	-	53+76.26			113.50			SOLID YELLOW AROUND MEDIAN	
52+62.75	-	53+76.26			113.50			SOLID YELLOW AROUND MEDIAN	
52+65.42	-	53+75.01	109.59					SOLID WHITE STRIPE	
53+75.51	-	53+75.51					28.76	STOP BAR	
53+85.79	-	53+85.82					162.80	CROSSWALK	
SUBTOTAL			1077.02	85.25	607.00	306.65	275.05		
TOTAL WHITE			1162.27				275.05		
TOTAL YELLOW					913.66				
TOTAL STRIPING					2075.92		275.05		
USE					2080		280		

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES		CONTRACTOR		WORK	
		NO.	BY	DATE	DATE	DATE	DATE
REMARKS		NO.		DATE		DATE	
REVISIONS		NO.		DATE		DATE	
HDR ENGINEERING INC.		NO.		DATE		DATE	
DESIGNED BY: AMG		NO.		DATE		DATE	
DRAWN BY: AMG		NO.		DATE		DATE	
CHECKED BY: ELP		NO.		DATE		DATE	

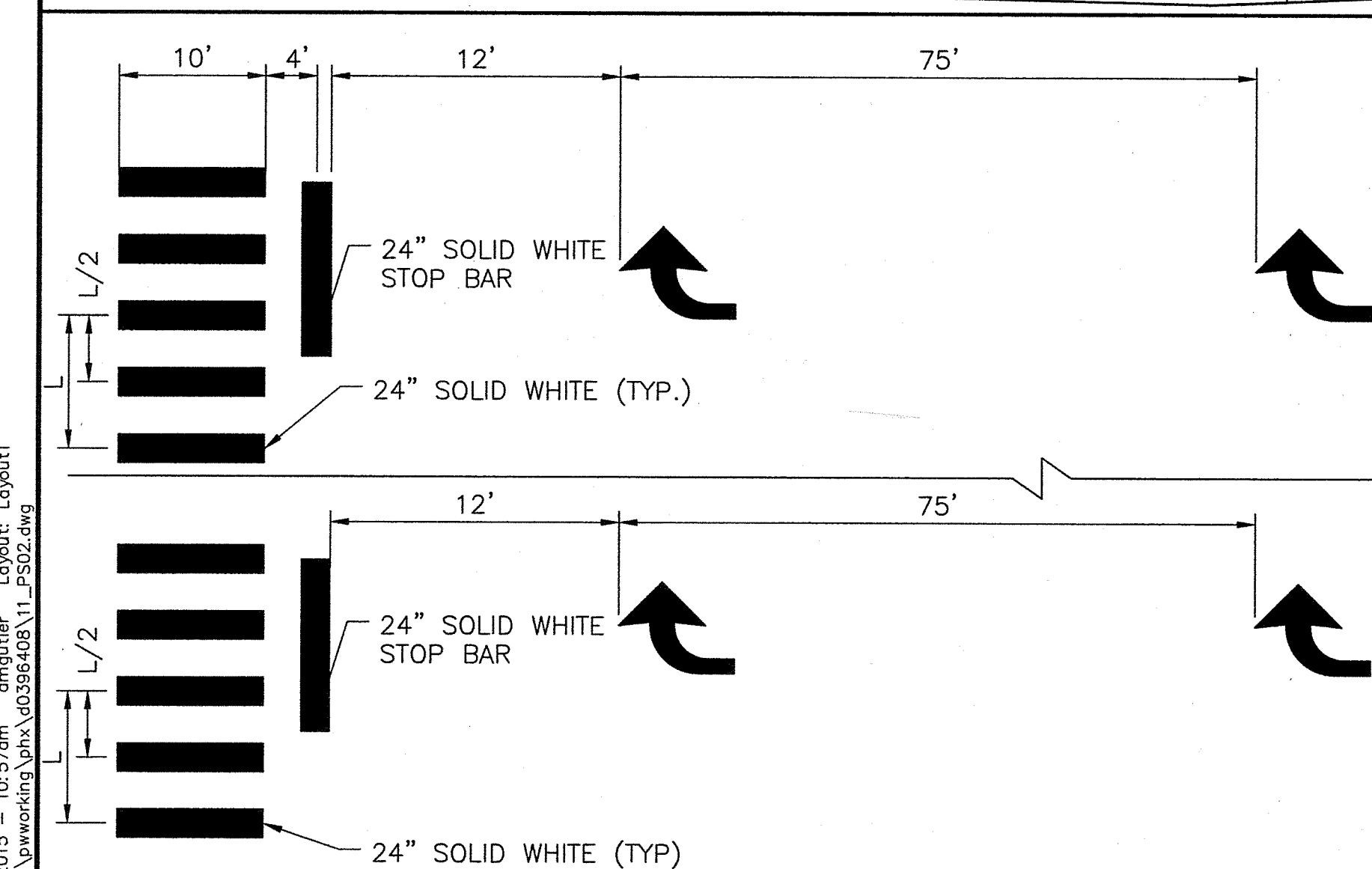
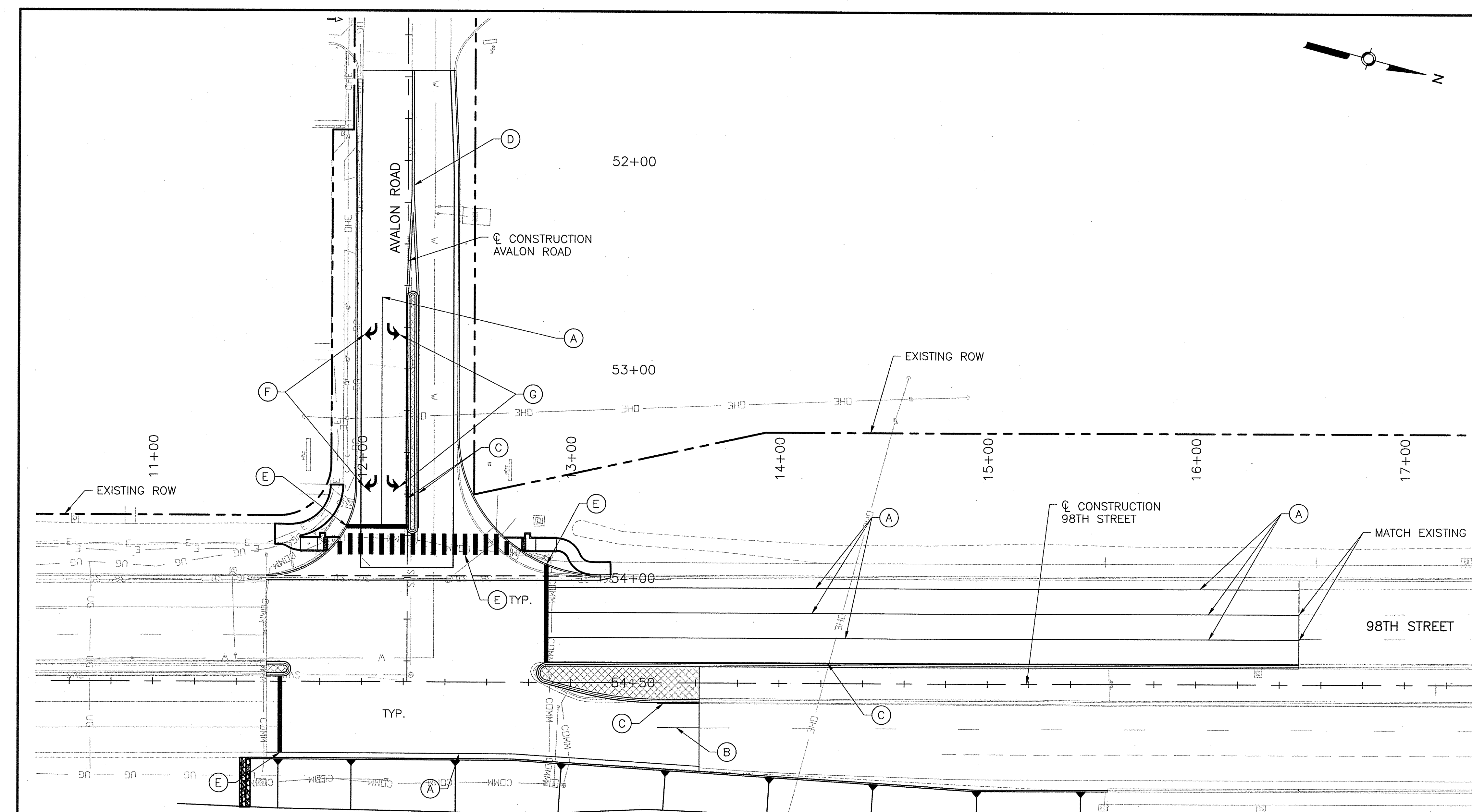
2155 LOUISIANA BLVD NE,
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN (505) 835-5400
FAX (505) 835-5454

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

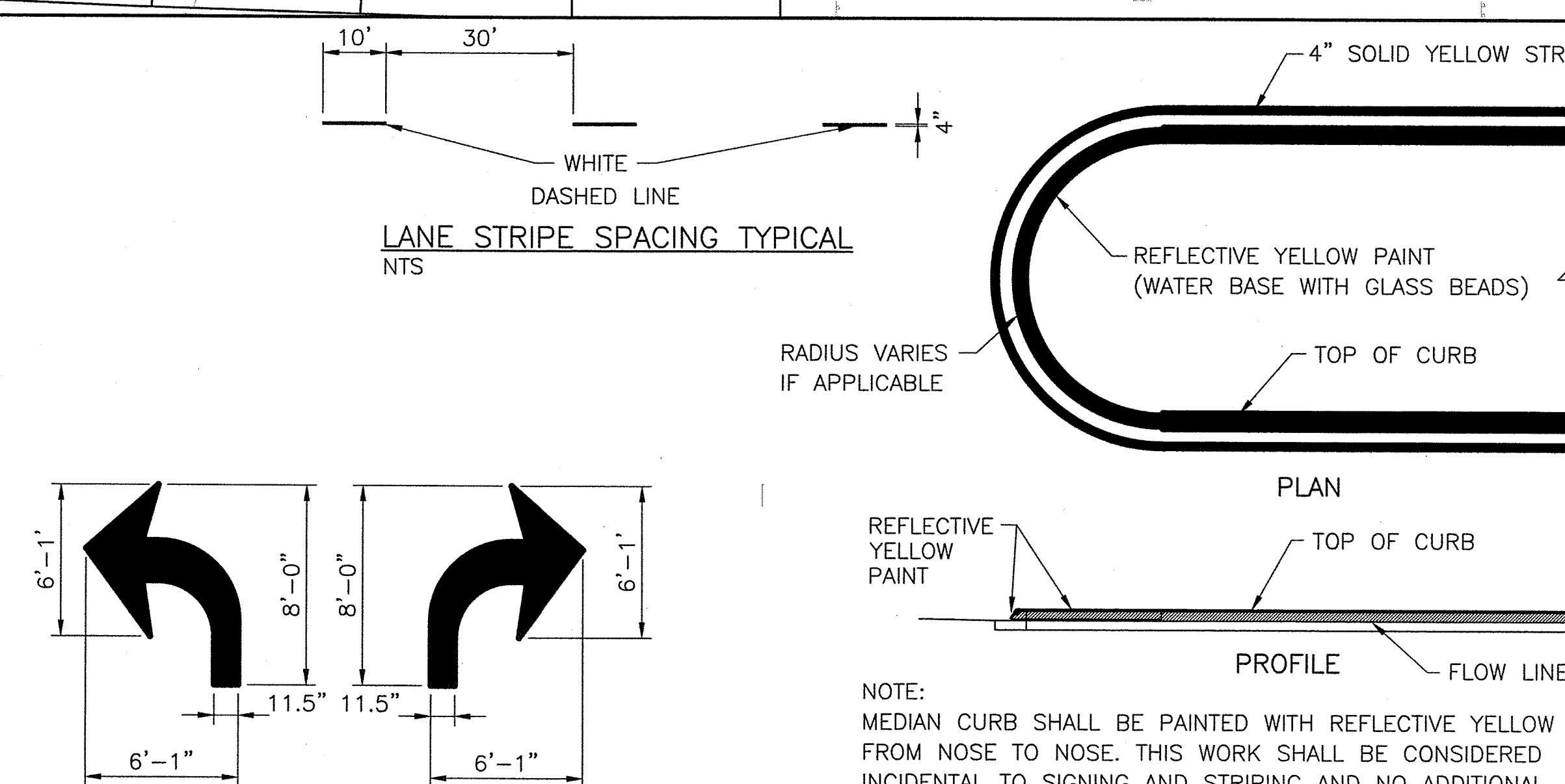
TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION

SIGNING & STRIPING GENERAL NOTES & QUANTITIES

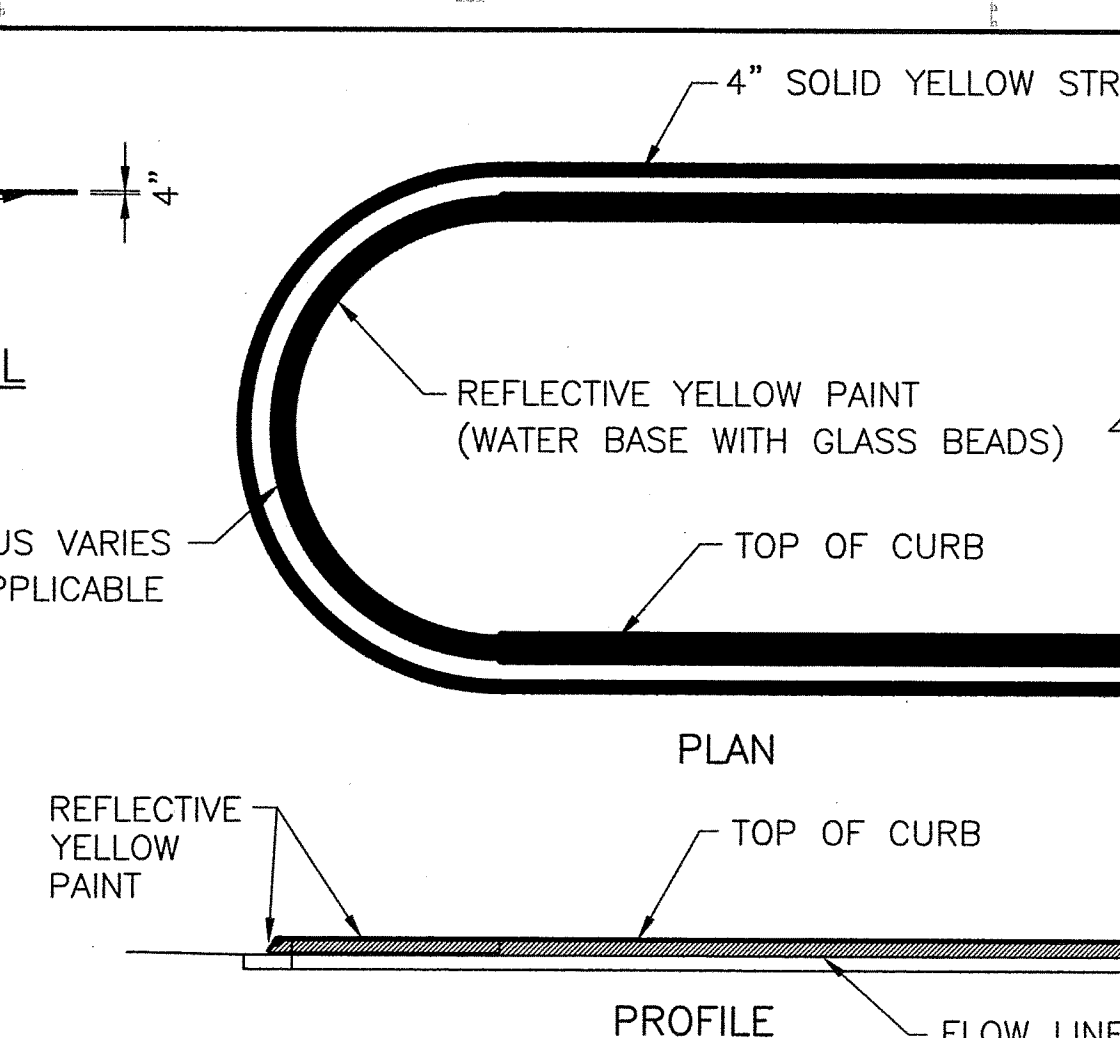
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
7856.03	K-8,K-9	10	12



TURN LANE TYPICAL
NTS



TYPICAL ROADWAY MESSAGE AND ARROW
LAYOUT
NTS



MEDIAN NOSE MARKING TYPICAL DETAIL
NTS

NOTE:
MEDIAN CURB SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT
FROM NOSE TO NOSE. THIS WORK SHALL BE CONSIDERED
INCIDENTAL TO SIGNING AND STRIPING AND NO ADDITIONAL
PAYMENT SHALL BE MADE THEREFOR.


KEYED NOTES

- (A) INSTALL 4" SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
- (B) INSTALL 4" DASHED WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
- (C) INSTALL 4" SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKING
- (D) INSTALL 4" DOUBLE YELLOW REFLECTORIZED PLASTIC PAVEMENT MARK
- (E) INSTALL 24" SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
- (F) INSTALL REFLECTORIZED PLASTIC ARROW, RIGHT
- (G) INSTALL REFLECTORIZED PLASTIC ARROW, LEFT

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
NO.	BY	DATE	BY	DATE	CONTRACTOR	DATE	DATE
					WORK STAGED BY		DATE
					FIELD ACCEPTANCE BY		DATE
					FIELD DRAWINGS		DATE
					CORRECTED BY		DATE
DESIGNED BY: AMG				MICRO-FILM INFORMATION			
DATE: 09/2014							
DRAWN BY: AMG				RECORDED BY			
DATE: 09/2014				NO.			



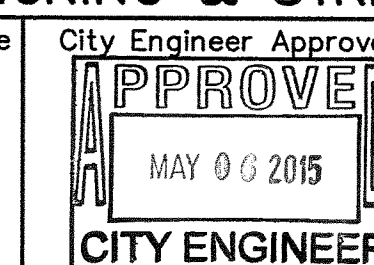
2155 LOUISIANA BLVD NE
SUITE 9500
ALBUQUERQUE, NM 87112
MAIN: (505) 830-5400
FAX: (505) 830-5454



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION

SIGNING & STRIPING PLAN



City Project No. 7856.03

Zone Map No.
K-8, K-9

eet	Of
11	12

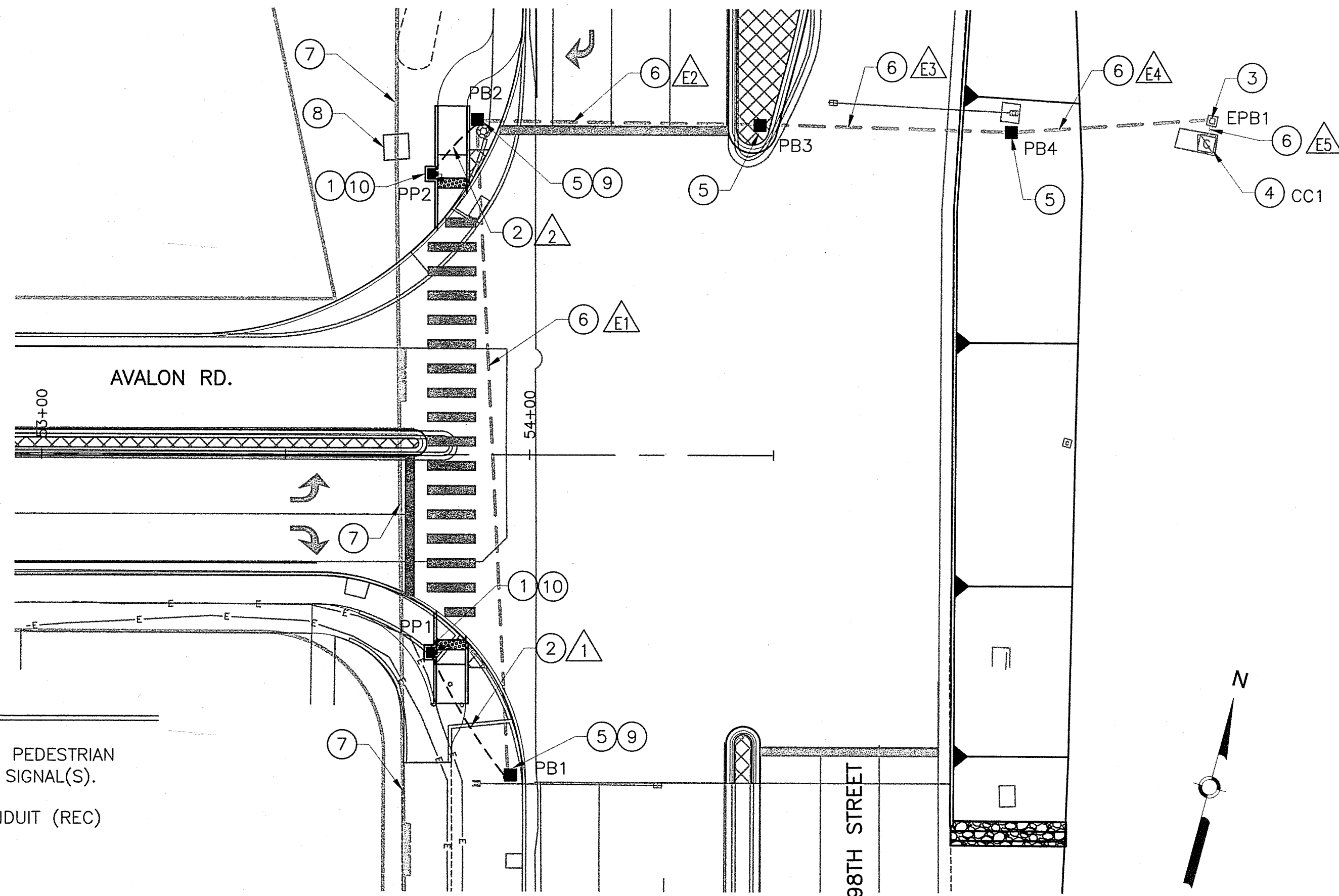
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KEYED NOTES

1. INSTALL 10' PEDESTAL POLE WITH PEDESTRIAN PUSHBUTTON(S) AND PEDESTRIAN SIGNAL(S).
2. INSTALL 3" RIGID ELECTRICAL CONDUIT (REC)
3. EXISTING PULL BOX
4. EXISTING CONTROLLER CABINET
5. REPLACE EXISTING PULL BOX WITH NEW LARGE SIZE PULL BOX
6. EXISTING TRAFFIC SIGNAL CONDUIT
7. EXISTING ITS CONDUIT (LOCATION APPROXIMATE)
8. EXISTING ITS PULL BOX
9. SPLICE NEW MCC #20 FROM PEDESTAL POLE INTO EXISTING MCC #20 (RING 2)
10. COMPLETE POTHOLING FOR PP1 AND PP2 LOCATIONS

PP2 DETAIL
PPB6A
P6A

PP1 DETAIL
P6B
PPB6B



ID #	TYPE OF POLE	STATION	OFFSET
PP1	PEDESTAL POLE TYPE I	53+79.94	40.64' RT
PP2	PEDESTAL POLE TYPE I	53+79.86	57.67' LT

NOTE: STATIONS AND OFFSETS ARE ON AVALON RD. ALIGNMENT AND ARE FOR CONTRACTORS INFORMATION ONLY. STATIONS AND OFFSETS SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION. ALSO, PP1 SHALL BE INSTALLED PARALLEL TO BACK OF SIDEWALK.

TRAFFIC SIGNAL QUANTITIES - 98th ST AT AVALON RD (ESTIMATED)

ITEM NUMBER	ITEM	UNIT	TOTAL	USE
422.002	TRAFFIC SIGNAL PEDESTAL POLE, 10', CIP	EACH	2	2
424.011	ELECTRICAL CONDUIT 3", INCLUDING TRENCHING, BACKFILL, PATCHING, PUSHING, BORING AND JACKING, CIP	LIN FT	54	60
425.003	ELECTRICAL PULL BOX (LARGE), CIP	EACH	4	4
425.101	ELECTRICAL PULL BOX, ANY TYPE, REMOVE & DISPOSE, CCPL.	LIN FT	4	4
426.010	MULTI-CONDUCTOR CABLE #5, CIP	LIN FT	432	440
426.014	MULTI-CONDUCTOR CABLE #20, CIP	LIN FT	68	70
427.021	PEDESTRIAN COUNTDOWN SIGNAL (LED), CIP	EACH	2	2
427.042	PEDESTRIAN SOUND UNIT, CIP	EACH	2	2
428.210	PUSH BUTTON STATION, CIP	EACH	2	2
510.110	STRUCTURAL, REINFORCED PC CONCRETE, 4000 PSI, INCL. FORMWORK, CIP	C.Y.	1.04	2
520.010	STRUCTURAL STEEL, FABRICATED, INCLUDING WELDING, CUTTING, DRILLING, ETC., CIP	LBS	34	40
710.075	POT HOLE, 0'-10' DEEP. VACUUM EXPLORATORY EXCAVATION, INCL. PAVEMENT REMOVAL, DISPOSAL & REPLACEMENT, VERTICAL & HORIZONTAL UTILITY LOCATION DATA, COMPL.	EACH	2	2

CONDUIT AND CONDUCTOR REQUIREMENTS 98TH ST AT AVALON RD. (ESTIMATED)					
CONDUIT LENGTH, SIZE AND TYPE			CONDUIT FILL		
RUN ID	CONDUIT 3"	TYPE	REMARKS	MCC #5 LIN. FT.	MCC #20 LIN. FT.
1	36	REC	PP1 TO PB1	1 @ 44	1 @ 44
2	18	REC	PP1 TO PB2	1 @ 24	1 @ 24
E1			PB1 TO PB2	1 @ 143	
E2			PB2 TO PB3	1 @ 67	
E3			PB3 TO PB4	1 @ 60	
E4			PB4 TO EPB1	1 @ 51	
E5			EPB1 TO CC1	1 @ 11	
PP1			BASE TO P6B	1 @ 10	
PP1			BASE TO PPB6B	1 @ 6	
PP2			BASE TO P6A	1 @ 10	
PP2			BASE TO PPB6A	1 @ 6	
TOTAL	54			432	68
USE	60			440	70

TRAFFIC SIGNAL NOTES

1. CONTRACTOR SHALL CONTACT THE CITY OF ALBUQUERQUE FOR APPROVED PRODUCTS LISTING FOR TRAFFIC SIGNAL COMPONENTS.
2. LOCATIONS OF CONDUITS, FOUNDATIONS, POLES AND PULL BOXES SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES AND TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
3. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
4. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE SIGNAL LAB THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES. TRAFFIC ENGINEERING PERSONNEL MUST BE PRESENT WHEN SIGNALS ARE SHUT OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE EACH TIME A TRAFFIC SIGNAL CONTROL DOOR IS OPENED. CONTRACTOR SHALL NOTIFY THE COA SIGNAL LAB TWO WEEKS PRIOR TO TURNING ON NEW SIGNALS.
5. THE CONTRACTOR SHALL NOTIFY PNM ELECTRIC THIRTY (30) DAYS IN ADVANCE OF CONSTRUCTION TO ENSURE THAT EXISTING FACILITIES ARE NOT DISRUPTED.
6. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED.
7. EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULL BOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.
8. THE CONTRACTOR SHALL FURNISH FOUNDATION ELEVATIONS TO CONSTRUCTION SERVICES FOR APPROVAL BEFORE INSTALLATION. THE CONTRACTOR SHALL GRADE AROUND THE FOUNDATIONS TO PROVIDE TRAVERSABLE SLOPES AS DIRECTED BY THE PROJECT MANAGER. THE CONTRACTOR SHALL SUBMIT CROSS-SECTIONS FOR APPROVAL BASED ON ACTUAL FIELD ELEVATIONS. ALL EXCAVATION AND/OR EMBANKMENT REQUIRED WILL BE CONSIDERED INCIDENTAL TO ITEM 510.110-STRUCTURAL REINFORCED PC CONCRETE.
9. ALL CONDUIT INSTALLED IN A TRENCH SHALL BE FLAGGED WITH CAUTION TAPE ONE FOOT ABOVE CONDUIT.
10. EXISTING INTERCONNECT AND ITS FACILITIES SHALL NOT BE AFFECTED DURING CONSTRUCTION. IF EXISTING ITS CONDUIT, 96 SINGLE MODE FIBER OPTIC CABLE AND/OR 6 SMFO IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL FROM EXISTING FULL SPLICE TO EXISTING FULL SPLICE.

TRAFFIC SIGNAL EQUIPMENT REQUIREMENTS

1. ALL SIGNAL ASSEMBLIES, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, CABINETS, AND FITTINGS SHALL COMPLY WITH THE CITY OF ALBUQUERQUE TYPE AND COLOR REQUIREMENTS.
2. "ALL OR NONE" BIDS BY SIGNAL EQUIPMENT MANUFACTURERS WILL NOT BE ALLOWED. MANUFACTURERS (AS A MINIMUM) SHALL PREPARE BIDS FOR EQUIPMENT AS FOLLOWS:
 - A. SIGNAL HARDWARE EQUIPMENT SUCH AS SIGNAL HEADS, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, BACK PLATES AND ASSOCIATED FITTINGS.
3. THE EXISTING FIBER OPTIC COMMUNICATION SYSTEM SHALL BE PROTECTED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
4. ALL SIGNAL POLES SHALL BE STEEL TYPE STRUCTURES FOR ALL SIGNALIZED LOCATIONS. THE PROPOSED POLES SHOULD BE SIMILAR IN STYLE TO THE EXISTING SIGNAL POLES THAT ARE CALLED FOR REPLACEMENT.

TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
■	□	PULL BOX (SYMBOL)
PB1	EPB1	PULL BOX (NUMBERING)
□	□	CONTROLLER CABINET
—	—	CONDUIT RUN (SIGNALS)
■	■	TRAFFIC SIGNAL PEDESTAL POLE WITH PEDESTRIAN PUSH BUTTONS AND INDICATIONS
△	△	CONDUIT RUN NUMBER (SIGNAL)

HR 2155 LOUISIANA BLVD NE, SUITE 5500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION	
TITLE: 98TH STREET AND AVALON ROAD INTERSECTION RECONSTRUCTION			
SIGNAL GENERAL NOTES AND PLAN			
Design Review Committee APPROVED MAY 05 2015 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED MAY 06 2015 CITY ENGINEER	Mo./Day/Yr. Mo./Day/Yr.	Mo./Day/Yr. Mo./Day/Yr.
City Project No. 7856.03		Zone Map No. K-8,K-9	Sheet 12 of 12

BENCH MARKS		AS BUILT INFORMATION	
CONTRACTOR	DATE	WORK	DATE
THE STATION IS A COA SURVEY CONTROL		5-1/2" ALUMINUM DISK SET IN CONCRETE	
AND IS STAMPED "8-K9, 1989"		AND IS STAMPED "8-K9, 1989"	
INSPECTED BY	DATE	ACCEPTANCE BY	DATE
DRAWN BY	DATE	CHECKED BY	DATE
NO.	DATE	NO.	DATE
REMARKS		MICRO-FILM INFORMATION	
NO. DATE		NO. DATE	
REVISIONS		REVISIONS	
HDR ENGINEERING INC.		HDR ENGINEERING INC.	
DESIGNED BY: RC	DATE: 11/2014	DRAWN BY: RC	DATE: 11/2014
CHECKED BY: MG	DATE: 11/2014	CHECKED BY: MG	DATE: 11/2014