BERNALILLO COUNTY OF NEW MEXICO
PUBLIC WORKS DIVISION

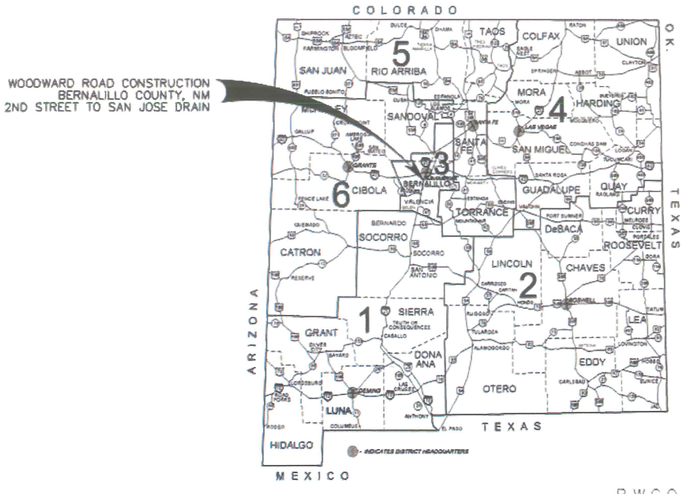
ROADWAY PLANS
FOR

WOODWARD ROAD IMPROVEMENTS PROJECT

2nd STREET TO SAN JOSE DRAIN

BERNALILLO COUNTY PUBLIC WORKS
PROJECT NO. 2018-0070

NMDOT CONTROL NO. A300161



P.W.C.O. 2018-0070

BERNALILLO COUNTY PUBLIC WORKS DIVISION — 8/11/20 DATE

24 Jul 2019

CHRISTOPHER J. ROSOL — NEW MEXICO — 17401 — PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

COA PN: 667270

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

REV.	DATE	DESCRIPTION	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
		ENGINEER'S SIGNATURE / CITY ENGINEERS APPROVAL / DRC APPROVAL	APPROVALS	ENGINEER	9/16/20	APPROVED FOR CONSTRUCTION PWCO 2018-0070	
			DRC Chairman				
			Transportation		7/30/2020		
			Water/Wastewater		7/30/20	BC PWD Engineer	Date
			Hydrology	Ernest Armijo	7/30/2020		9/22/2020
			Water Resources				
			Constr. Mngmt.				
			Constr. Coord.			CITY ENGINEER	DATE

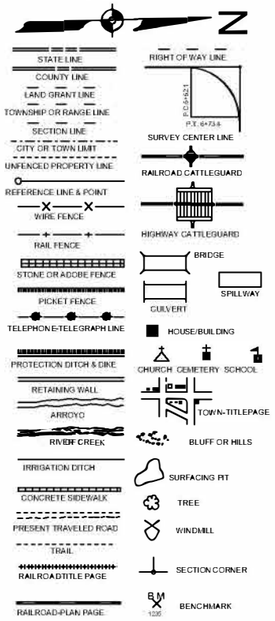
County Project No. 2018-0070

Sheet 1 Of

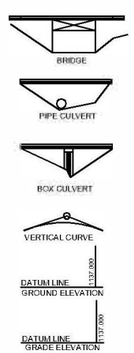
24343.1 K:\Drawing\projects\cm_ds16_ro\chris.rosol@aecom.com\0116495\A300161_1-1Cover.dwg PLOTTED: 7/25/19 - 7:49am chris.rosol

CONVENTIONAL SIGNS

ON PLAN



ON PROFILE



Length Of Project: Woodward, 0.580 Miles
2nd Street, 0.230 Miles
This Project Begins And Ends In T.10.N, R.3.E, Section 32

GOVERNING SPECIFICATION

NMDOT STANDARD SPECIFICATION FOR HIGHWAY AT BRIDGE CONSTRUCTION, 2019 EDITION SHALL CONTROL UNLESS OTHERWISE NOTED.

E.O.P. CN A300161
SECOND STREET
STA. 214+15
N=1,474,533.659
E=1,519,220.820

E.O.P. CN A300161
WOODWARD RD
STA. 126+75.00
N=1,473,811.815
E=1,521,747.153

B.O.P. CN A300161
WOODWARD RD
STA. 101+00.39
N=1,474,023.552
E=1,519,181.261

B.O.P. CN A300161
SECOND STREET
STA. 202+00.00
N=1,473,146.611
E=1,519,354.581

STA 101+00.39, WOODWARD RD
=STA. 208+99.84, SECOND ST
N=1,474,023.552
E=1,519,181.261

N

SCALE 1"=500'

VICINITY MAP

SHIPPING POINTS

Albuquerque

INTENT OF PROJECT

PROJECT WILL CONSTRUCT EARTHWORK, ASPHALT PAVING, CURB AND GUTTER, SIDEWALK, CONCRETE DRIVEPADS, DRAINAGE INLETS AND STORM DRAIN PIPE, PERMANENT SIGNING AND STRIPING, TRAFFIC SIGNALS, AND A RAILROAD/HIGHWAY GRADE CROSSING.

PROJECT CONTACTS

BERNALILLO COUNTY PROJECT MANAGER		
AECOM PROJECT MANAGER	*LEILA MOMENZADEH, PE*	*505-224-2124*
	CHRISTOPHER ROSOL, P.E.	*505-855-7473*

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
7/14/2020

Plans approved for design review only. Subject to change and approval by the City Engineer, Sept. 22, 2020.

LEGEND

THIS CONTRACT	
BITUMINOUS SURFACED	
GRAVEL SURFACED	
GRADED AND DRAINED	
UNIMPROVED	
PRIMITIVE	
CONCRETE SURFACED	

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
VICINITY MAP

BCPN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-2 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\prworking\ateam_de18_ad\chris.rosol@aecom.com\d0118495\VA300161_I--2VM.dwg PLOTTED: 7/13/20 -- 1:14pm chris.rosol

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
	1 SERIES
1-1	COVER SHEET
1-2	VICINITY MAP
1-3	INDEX OF SHEETS
1-4 TO 1-5	INDEX OF STANDARD DRAWINGS
1-6 TO 1-7A	SUMMARY OF QUANTITIES
1-8 TO 1-11	GENERAL NOTES
1-12	ENVIROMENTAL COMMITMENT
	SUBTOTAL = 13
	2 SERIES
2-1	EXISTING TYPICAL SECTIONS
2-2 TO 2-3	PROPOSED TYPICAL SECTIONS: WOODWARD RD
2-4 TO 2-5	PROPOSED TYPICAL SECTIONS: 2ND ST
2-6 TO 2-7	SURFACING SCHEDULE
2-8 TO 2-10	ESTIMATED STRUCTURE QUANTITIES
2-11 TO 2-13	MISCELLANEOUS QUANTITIES
2-14	MISCELLANEOUS DETAILS: DRIVE PAD DETAILS
2-15	MISCELLANEOUS DETAILS: PATH AT RAILROAD DETAIL & BASECOURSE PAD
2-16	MISCELLANEOUS DETAILS: TURNOUT DETAILS
2-17	INTERSECTION LAYOUT DETAILS: 2ND AND WOODWARD
2-18	INTERSECTION LAYOUT DETAILS: NMRX/WILLIAM AND WOODWARD
2-19 TO 2-20	INTERSECTION LAYOUT DETAILS: CURB RAMPS
2-21	INTERSECTION LAYOUT DETAILS: CURB RAMPS GRADING POINTS
2-21A	2ND ST POND GRADING DETAILS
2-22	STORM WATER POLLUTION PREVENTION PLAN INFORMATION
2-23	FINAL STABILIZATION T.E.S.C.P. QUANTITIES
2-24 TO 2-31	FINAL STABILIZATION T.E.S.C.P.
2-32	MODIFIED WAER QUALITY MANHOLE: TYPE E DETAILS
	SUBTOTAL = 33
	3 SERIES
3-0	SURVEY CONTROL AND HORIZONTAL LAYOUT
3-1 TO 3-5	ROADWAY PLAN AND PROFILE: WOODWARD RD
3-6 TO 3-8	ROADWAY PLAN AND PROFILE: SECOND ST
3-9 TO 3-16	DRAINAGE PLAN AND PROFILES
	SUBTOTAL = 17
	4 SERIES
4-1 TO 4-29	TURNOUT PROFILES
	SUBTOTAL = 32
	5 SERIES
5-1	GENERAL NOTES, ESTIMATED QUANTITIES, & STRUCTURE LOCATION PLAN
5-2	HEADWALL 1 & 2 PROFILE
5-3	HEADWALL 1 & 2 REINFORCING DETAILS
5-4	REINFORCED CONCRETE PIPE PROFILE & HEADWALL CROSS-SECTION
	SUBTOTAL = 4
	6 SERIES
6-1	MOT SHEET INDEX AND QUANTITIES
6-2	TEMPORARY TRAFFIC CONTROL GENERAL NOTES
6-3	TEMPORARY TRAFFIC CONTROL GENERAL NOTES
6-4	SIGN FACE DETAILS
6-5	CHANNELIZATION DEVICES FOR CONSTRUCTION
6-6	TEMPORARY TRAFFIC MARKINGS FOR CONSTRUCTION
6-7	SEQUENCE OF CONSTRUCTION
6-8 TO 6-10	MOT TYPICAL SECTIONS - NM4
6-11	OVERVIEW - DETOUR PLAN PHASE 1 STAGE 1
6-12	OVERVIEW - PHASE 1 STAGE 1
6-13	OVERVIEW - PHASE 1 STAGE 2
6-14	OVERVIEW - PHASE 2
6-15	OVERVIEW - PHASE 3
6-16	OVERVIEW - PHASE 4
6-17 TO 6-25	TRAFFIC CONTROL PLAN - PHASE 1 STAGE 1
6-26 TO 6-34	TRAFFIC CONTROL PLAN - PHASE 1 STAGE 2
6-35 TO 6-43	TRAFFIC CONTROL PLAN - PHASE 2
6-44 TO 6-52	TRAFFIC CONTROL PLAN - PHASE 3
6-53 TO 6-61	TRAFFIC CONTROL PLAN - PHASE 4
	SUBTOTAL = 61

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
	7 SERIES
7-1	PERMANENT SIGNING AND STRIPING - INDEX OF SHEETS AND QUANTITIES
7-2	PERMANENT SIGNING AND STRIPING - SIGN INSTALLATION SCHEDULE
7-3 TO 7-8	PERMANENT SIGNING AND STRIPING PLAN - WOODWARD RD
7-9 TO 7-11	PERMANENT SIGNING AND STRIPING PLAN - 2ND ST
7-12	STRIPING AND MARKING DETAILS
	SUBTOTAL = 12
	8 SERIES
8-1	LIGHTING GENERAL NOTES
8-2	LIGHTING PLAN: 2ND STREET AND WOODWARD RD
	SUBTOTAL = 2
	9 SERIES
9-1	TRAFFIC SIGNAL GENERAL NOTES
9-2	TRAFFIC SIGNAL QUANTITIES
9-3	TRAFFIC SIGNAL PLAN
9-4	TRAFFIC SIGNAL DETAILS
9-5	ITS PLANS: ITS QUANTITIES & DETAILS
9-6	ITS PLAN: FIBER OPTIC LAYOUT
	SUBTOTAL = 6
	10 SERIES
10-1 TO 10-5	DRAINAGE STRUCTURE PLACEMENT SECTIONS
	SUBTOTAL = 5
	11 SERIES
11-1 TO 11-5	UTILITY PLANS: WOODWARD RD
11-6 TO 11-8	UTILITY PLANS: SECOND ST
	SUBTOTAL = 8
	12 SERIES
	SEE NEXT SHEET FOR LISTS OF STANDARD DRAWINGS
	SUBTOTAL = 103
	13 SERIES
13-1 TO 13-26	ROADWAY CROSS SECTIONS: WOODWARD RD
13-27 TO 13-39	ROADWAY CROSS SECTIONS: 2ND ST
13-40	ROADWAY CROSS SECTIONS: WILLIAMS ST
	SUBTOTAL = 40
	16 SERIES
16-1	QUANTITY SHEET
16-2	REMOVAL PLAN
16-3	PLAN & PROFILE: STORAGE TRACK 1
16-4	PLAN & PROFILE: STORAGE TRACK 2
16-5	PLAN & PROFILE: NMRX MAIN LINE
16-6	PLAN & PROFILE: INTERMODAL RAMP
16-7	DRAINAGE PLAN
16-8	CROSS SECTION / PHASING
16-9	TRACK DETAILS
	SUBTOTAL = 9
	TOTAL SHEETS = 345

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2015

Plans approved by Design Review Committee of the City Engineer on [illegible] 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

INDEX OF SHEETS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-3 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\prowise\log\aecom_de18_ns\Jordan.Thompson3@aecom.com\d0116495\A300161_1-3SI.dwg PLOTTED: 7/25/19 - 5:19pm Jordan.Thompson11

COA STANDARD DRAWINGS INDEX

SHEET NO.	DESCRIPTION	DRAWING NO.	REV. DATE
12-75	STORM INLET TYPE "A" PLAN & SECTION A-A	COA - 2201	08/1986
12-76	STORM INLET TYPE "A" SECTIONS B-B, C-C, D-D, & E-E	COA - 2202	08/1986
12-77	STORM INLET DOUBLE "C"	COA - 2205	08/1986
12-78	STORM INLET DOUBLE "D"	COA - 2206	08/1986
12-79	STORM INLET GUTTER TRANSITION	COA - 2207	08/1986
12-80	STORM INLET CENTER SUPPORT ASSEMBLY	COA - 2215	08/1986
12-81	STORM INLET FRAME	COA - 2216	08/1986
12-82	STORM INLET ALBUQUERQUE GRATE	COA - 2220	08/1986
12-83	STEP DETAILS	COA - 2229	08/1986
12-84	SIDEWALK CULVERT WITH STEEL PLATE TOP	COA - 2236	08/1986
12-85	STATIONARY AND REMOVABLE POST DETAILS	COA - 2250	08/1986
12-86	WATER VALVE BOX	COA - 2326	01/2003
12-87	ART./COLL. ST. SECTIONS WITH MEDIAN	COA - 2408	01/2003
12-88	CURB AND GUTTER & CURB CUT DETAILS	COA - 2415A	01/2003
12-89	CURB AND GUTTER & TEMPORARY PAVING DETAILS	COA - 2415B	01/2003
12-90	CONCRETE VALLEY GUTTER	COA - 2420	08/1986
12-91	SIDEWALK DETAILS	COA - 2430	08/1986
12-92	MANHOLE & VALVE BOX REGRADING	COA - 2460	01/2011
12-93	MANHOLE/VALVE CONCRETE COLLAR DETAIL	COA - 2461	01/2011
12-94	CITYWIDE PAVEMENT CUTS FOR ALL UTILITIES	COA - 2465	01/2003
12-95	SIGNALIZED INTERSECTION	COA - 2900-101	02/2014
12-96	TURN BAY AND PAVEMENT MARKING DETAILS	COA - 2900-105	02/2014
12-97	BIKE LANE SIGN AND SYMBOL LOCATION	COA - 2900-301	02/2014
	SUBTOTAL (CITY OF ALBUQUERQUE) =		***23***

AMAFCA STANDARD DRAWINGS INDEX

SHEET NO.	DESCRIPTION	DRAWING NO.	REV. DATE
12-98	WATER QUALITY MANHOLE SECTIONS & DETAILS	301	11/26/08
12-99	WATER QUALITY MAHOLE BAFFLE DETAILS	302	11/29/04
	SUBTOTAL (AMAFCA) =		***2***

12-SERIES SUBTOTAL =	***99***

NOTE:
1. 12-SERIES SHEETS ARE NOT ATTACHED TO THIS PLAN SET. STANDARD SERIAL DRAWINGS CAN BE ACCESSED BY VISITING THE WEBSITES LISTED BELOW:

CITY OF ALBUQUERQUE:
https://www.cabq.gov/planning/documents/StandardSpecs2011Vol2062811reduced.pdf

AMAFCA:
http://amafca.org/resources/

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee and Albuquerque Bernalillo County Engineering Department

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

INDEX OF STANDARD DRAWINGS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-5 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson3@aecom.com\d0116495\A300161_1-505.dwg PLOTTED: 7/24/19 - 10:16am Jordan.Thompson11

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	REF. SHEET NO.	UNIT	ROADWAY		STRUCTURES		DETOUR		PERMANENT SIGNING		LIGHTING		SIGNALS		ITS		CONSTRUCTION SIGNING		CONSTRUCTION ENGINEERING		PROJECT TOTAL	
				ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
201000	CLEARING AND GRUBBING	2-13	L.S.	L.S.																		L.S.	
203000	UNCLASSIFIED EXCAVATION	2-10, 2-13	CU.YD.	4,580																		4,580	
203100	BORROW	2-13	CU.YD.	1,220																		1,220	
203200	UNSUITABLE MATERIAL EXCAVATION	2-13	CU.YD.	100																		100	
207000	SUBGRADE PREPARATION	2-7	SQ.YD.	23,800																		23,800	
303000	BASE COURSE	2-7	TON	8,280																		8,280	
303160	BASE COURSE 6"	2-10	SQ. YD.	700																		700	
405000	DETOUR PAVEMENT CONSTRUCTION	6-1	SQ. YD.					1825														1,825	
407000	ASPHALT MATERIAL FOR TACK COAT	2-7	TON	15																		15	
408100	PRIME COAT MATERIAL	2-7	TON	45																		45	
423282	HMA SP-III COMPLETE	2-7	TON	5,690																		5,690	
423283	HMA SP-IV COMPLETE	2-7	TON	2,950																		2,950	
502030	DRILLED SHAFT 30"	8-1	LIN. FT.									39										39	
502036	DRILLED SHAFT 36"	9-2	LF									46										46	
511000	STRUCTURAL CONCRETE, CLASS A	5-1, 8-1, 9-2	CU.YD.			6																6	
511030	STRUCTURAL CONCRETE, CLASS AA	2-11	CU.YD.	30																		30	
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	2-10	CU.YD.	1																		1	
516000	FLOWABLE FILL	2-13	CY	6																		6	
540060	REINFORCING BARS GRADE 60	5-1, 8-1, 9-2	LBS.			625						1200		2405								4,230	
570024	24" CULVERT PIPE	2-11	L.F.	24																		24	
570025	24" CULVERT PIPE END SECTION	2-11	EACH	1																		1	
570437	24" STORM DRAIN CULVERT PIPE	2-10	L.F.	2,060																		2,060	
570441	24" STORM DRAIN CULVERT PIPE END SECTION	2-10	EACH	1																		1	
570449	30" STORM DRAIN CULVERT	2-13	LF			14																14	
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	2-11	L.S.	L.S.																		L.S.	
601110	REMOVAL OF SURFACING	2-11	SQ.YD.	12,950																		12,950	
602000	CLASS A RIPRAP	2-10	CU.YD.	4																		4	
603220	CHECK DAM TYPE I	2-23	LIN. FT.																	40		40	
603250	DROP INLET PROTECTION, TYPE I	2-23	EACH																	7		7	
603262	COMPOSTED MULCH SOCKS	2-23	LIN. FT.																	835		835	
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	2-13	L.S.																	L.S.		L.S.	
606001	SINGLE FACE W-BEAM GUARDRAIL	2-11	LIN. FT.	125																		125	
606052	END TREATMENT TL-2 END TERMINAL	2-11	EACH	1																		1	
606053	END TREATMENT W-BEAM END ANCHOR	2-11	EACH	5																		5	
606532	CONCRETE WALL BARRIER 32"	2-11	LIN. FT.	325																		325	
607079	PEDESTRIAN/BICYCLE RAILING	2-11, 5-1	LIN.FT.	80		39																119	
607199	REMOVE AND REBUILD FENCE	2-12	LIN. FT.	550																		550	
608004	CONCRETE SIDEWALK 4"	2-13	SQ. YD.	1,950																		1,950	
608106	DRIVE PAD 6"	2-11	SQ. YD.	520																		520	
608404	CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)	2-12	SQ. YD.	50																		50	
609200	HEADER CURB	2-12	LIN. FT.	27																		27	
609380	CONCRETE SLOPED CURB AND GUTTER, 8"X30"	2-12	LIN. FT.	60																		60	
609462	CONCRETE VERTICAL CURB & GUT C 8" X 32"	2-13	LIN. FT.	5,500																		5,500	
609478	CONCRETE VERTICAL CURB & GUT D 6" X 18"	2-12	LIN. FT.	330																		330	
609652	CONCRETE VALLEY GUTTER 6" X 96"	2-12	LIN. FT.	90																		90	
609708	CONCRETE LAYDOWN CURB, 8"	2-13	LIN. FT.	210																		210	
613000	CLEANING CULVERTS AND DRAINAGE STRUCTURES	2-13	L.S.																	LS		L.S.	
617000	VIBRATION MONITORING	2-13	L.S.																	LS		L.S.	

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
26 Feb 2021

WOODWARD ROAD IMPROVEMENTS
SUMMARY OF QUANTITIES
1 OF 3

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-6 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_de18_ma\jshifflet.russell@aecom.com\d0116485\V\300161_I-BSD.dwg PLOTTED: 2/26/21 - 10:57am dshifflet.russell

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	REF. SHEET NO.	UNIT	ROADWAY		STRUCTURES		DETOUR		PERMANENT SIGNING		LIGHTING		SIGNALS		ITS		CONSTRUCTION SIGNING		CONSTRUCTION ENGINEERING		PROJECT TOTAL	
				ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
618000	TRAFFIC CONTROL MANAGEMENT	2-13	L.S.																	L.S.		L.S.	
618011	PUBLIC AWARENESS: PROJECT CONSTRUCTION SIGN, 2 TOTAL, (NON-PARTICIPATING)	2-13	L.S.	L.S.																		L.S.	
621000	MOBILIZATION	2-13	L.S.	L.S.																		L.S.	
623391	CURB INLET SINGLE TYPE A 4' TO 8'	2-10	EACH	14																		14	
623394	CURB INLET SINGLE TYPE C, OVER 4'	2-10	EACH	5																		5	
623201	MODIFIED MEDIAN DROP INLET	2-10	EACH	6																		6	
632000	CLASS A SEEDING	2-12	ACRE	1																		1.0	
662000	MANHOLE TYPE C-4' DIAMETER 0' TO 6' DEPTH	2-10, 2-12	EACH	2																		2	
662010	MANHOLE TYPE C-6' DIAMETER 0' TO 6' DEPTH	2-10	EACH	1																		1	
662062	MANHOLE TYPE E-4' DIAMETER OVER 6' TO 10' DEPTH	2-10	EACH	4																		4	
662072	MANHOLE TYPE E-6' DIAMETER OVER 6' TO 10' DEPTH	2-10	EACH	2																		2	
662074	MANHOLE TYPE E-4' DIAMETER OVER 10' TO 14' DEPTH	2-10	EACH	4																		4	
662100	SPECIAL MANHOLE-AMAFCA WATER QUALITY MANHOLE	2-10	EACH	1																		1	
662400	MANHOLE ADJUSTMENT	2-10, 2-12	EACH	22																		22	
662450	TIE TO EXISTING MANHOLE	2-10	EACH	10																		10	
663049	PRECONSTRUCTION UTILITY SURVEY	2-13	L.S.																	L.S.		L.S.	
663105	REMOVE AND RESET EXISTING FIRE HYDRANT	2-12	EACH	2																		2	
663550	CAST IRON OR DUCTILE IRON FITTINGS	2-13	LBS.	1200																		1,200	
663604	POLYVINYL CHLORIDE PIPE, 4"	2-13	LIN. FT.	70																		70	
663726	6" WATERLINE, 0'-6' DEPTH	2-13	LIN. FT.	120																		120	
663780	TIE TO EXISTING 10" WATERLINE	2-13	EACH	5																		5	
663855	ADJUST VALVE BOX TO GRADE	2-12	EACH	10																		10	
663865	ADJUST WATER METER TO GRADE	2-12	EACH	3																		3	
663890	VALVE BOX AND COVER	2-13	EACH	5																		5	
663896	GATE VALVE, 6"	2-13	EACH	5																		5	
667110	MAILBOX INSTALLATION-SINGLE	2-13	EACH	6																		6	
667500	BOLLARD	2-12	EACH	1																		1	
66800	DEWATERING	2-13	LF	1275																		1,275	
701000	PANEL SIGNS	7-1	SQ.FT.							170												170	
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	7-1	LIN.FT.							360												360	
702610	PORTABLE CHANGEABLE MESSAGE SIGN	6-1	EACH															2				2	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	6-1	L.S.															L.S.		L.S.		L.S.	
704099	TEMPORARY STRIPING	6-1	LIN.FT.															8550				8,550	
704204	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 4"	7-1	LIN.FT.							13,176												13,176	
704206	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 6"	7-1	LIN.FT.							7,219												7,219	
704224	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 24"	7-1	LIN.FT.							322												322	
704330	RETROREFLECTORIZED PLASTIC LEFT ARROW	7-1	EACH							4												4	
704400	RETROREFLECTORIZED PLASTIC WORD (ONLY)	7-1	EACH							2												2	
704440	RETROREFLECTORIZED PLASTIC WORD (XING)	7-1	EACH							2												2	
704520	RETROREFLECTORIZED PLASTIC BIKE SYMBOL (BIKEWAY)	7-1	EACH							10												10	
704600	RETROREFLECTORIZED PLASTIC RAILROAD CROSSING	7-1	EACH							2												2	
706100	(421.005) SERVICE RISER (SIGNAL), CIP	9-2	EACH											1								1	
706110	(421.006) SERVICE RISER (LIGHTING), CIP	8-1	EACH									1										1	
706200	(421.010) METER PEDESTAL (SIGNAL), CIP	9-2	EACH											1								1	
706350	(421.015) SERVICE CONNECTION (SIGNAL), CIP	9-2	L.S.											L.S.								L.S.	

NOTE:
(XXX.XXX) - DENOTES CITY OF ALBUQUERQUE ITEM NUMBER AND ITEM DESCRIPTION, REFERENCE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS

25 Jun 2021

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
SUMMARY OF QUANTITIES
2 OF 3

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-7 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657, C:\pwwerking\aecom_de18_ra\chris.rosol@aecom.com\d0118495\VA300161_1-792.dwg PLOTTED: 1/25/21 - 4:12pm chris.rosol

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	REF. SHEET NO.	UNIT	ROADWAY		STRUCTURES		DETOUR		PERMANENT SIGNING		LIGHTING		SIGNALS		ITS		CONSTRUCTION SIGNING		CONSTRUCTION ENGINEERING		PROJECT TOTAL	
				ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
706350	(421.016) SERVICE CONNECTION (LIGHTING), CIP	8-1	L.S.									L.S.										L.S.	
706405	(421.024) LIGHTING CONTROL CABINET-SIX CIRCUIT, UNMETERED, CIP	8-1	EACH									1										1	
707013	(422.003) TRAFFIC SIGNAL PEDISTAL POLE, 13', CIP	9-2	EACH											4								4	
707320	(422.013) TRAFFIC SIGNAL MASTARM, 20' ARM, TYPE III, TROMBONE, CIP	9-2	EACH											1								1	
707331	(422.017) TRAFFIC SIGNAL MASTARM, 30' ARM, TYPE III, TROMBONE, CIP	9-4	EACH											2								2	
707530	(422.030) STREET LIGHT STANDARD, SINGLE ARM, 30' (TYPE V, DAVIT), CIP	8-1	EACH									6										6	
709020	(424.005) ELECTRICAL CONDUIT, 2" INCLD TRENCHING, BACKFILL AND PATCHING, CIP	9-2	LIN. FT.									938										938	
709030	(424.010) ELECTRICAL CONDUIT, 3" INCLD TRENCHING, BACKFILL AND PATCHING, CIP	9-2	LIN. FT.											1015		20						1,035	
710000	(425.002) ELECTRICAL PULL BOX (STANDARD), CIP	8-1	EACH									10										10	
710010	(425.003) ELECTRICAL PULL BOX (LARGE), CIP	9-2	EACH											8								8	
711102	(426.001) SINGLE CONDUCTOR, #2, CIP	8-1	LIN. FT.									2,550		20								2,570	
711106	(426.003) SINGLE CONDUCTOR, #6, CIP	8-1	LIN. FT.									1,330		956								2,286	
711005	(426.010) MULTI-CONDUCTOR CABLE, #5, CIP	9-2	LIN. FT.											519								519	
711020	(426.014) MULTI CONDUCTOR CABLE, #20, CIP	9-2	LIN. FT.											1299								1,299	
711506	(426.020) COMMUNICATION CABLE, 6-PAIR, CIP	9-5	LIN. FT.											200								200	
712030	(427.002) 3 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP	9-2	EACH											9								9	
712050	(427.004) 5 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP	9-2	EACH											2								2	
712201	(427.023) PEDESTRIAN SIGNAL (LED), CIP	9-2	EACH											4								4	
712330	(427.031) 3 SECTION BACKPLATE, CIP	9-2	EACH											9								9	
712350	(427.033) 5 SECTION BACKPLATE, CIP	9-2	EACH											2								2	
713040	(428.022) DUCTED LOOP DETECTOR WIRE, CIP	9-2	LIN.FT.											2000								2,000	
713025	(428.010) PUSH BUTTON STATION, CIP	9-2	EACH											4								4	
713250	(428.050) LOOP LEAD-IN CABLE, CIP	9-2	LIN. FT.											339								339	
713300	(428.060) DETECTOR SAW CUT, CIP	9-2	LIN. FT.											700								700	
713430	(428.071) PHASE SELECTOR MODULE 2 CHANNEL, CIP	9-2	EACH											1								1	
713440	(428.070) PHASE SELECTOR RACK 4 CHANNEL, CIP	9-2	EACH											1								1	
713511	(428.075) OPTICAL DETECTOR, 1D/1C, CIP	9-2	EACH											382								382	
713600	(428.078) OPTICAL DETECTOR CABLE, CIP	9-2	LIN. FT.											2								2	
713807	(428.092) VIDEO COAXIAL CABLE, CIP	9-5	LIN. FT.													60						60	
714000	(429.021) TRAFFIC ACTUATED CONTROLLER, CIP	9-2	EACH											1								1	
714280	(429.021) 8 PHASE DUAL RING CONTROLLER CABINET, CIP	9-2	EACH											1								1	
716025	(432.001) ROADWAY LUMINAIRE TYPE 250S, CIP	8-1	EACH									6										6	
720050	VEHICULAR IMPACT ATTENUATOR	2-12	EACH	1																		1	
721000	REMOVAL OF PAVEMENT STRIPE	6-1	LIN.FT.															2850				2,850	
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	2-13	L.S.																	L.S.		L.S.	
802000	POST CONSTRUCTION PLANS	2-13	L.S.																	L.S.		L.S.	

NOTE:
(XXX.XXX) - DENOTES CITY OF ALBUQUERQUE ITEM NUMBER AND ITEM DESCRIPTION, REFERENCE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS

25 Jan 2021
CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
SUMMARY OF QUANTITIES
3 OF 3

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-7A OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_de18_ra\chris.rosol@aecom.com\d0118495\A300161_1-7SQ.dwg PLOTTED: 1/25/21 - 4:13pm chris.rosol

GENERAL NOTES

GOVERNING SPECIFICATIONS:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, REGULATIONS, AND RULES WHICH APPLY TO THIS PLAN SET.

2. ALL WORK DETAILED ON THIS PLAN SET TO BE PERFORMED UNDER CONTRACT SHALL BE PERFORMED IN ACCORDANCE WITH THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION.

SURVEYING

1. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING SURVEY MONUMENTATION CONTROLS. SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. NOTIFY MONUMENT OWNER 48 HOURS PRIOR TO ANY WORK AROUND EXISTING MONUMENTS.

2. CONSTRUCTION STAKING SHALL INCLUDE ALL SURVEYING AND CONTROL STAKING NECESSARY TO ESTABLISH THE PROJECT CONSTRUCTION BASELINE, TOE OF SLOPE CATCH POINTS, AND ALL OTHER INFRASTRUCTURE DESIGNATED IN THE CONSTRUCTION PLANS SET AS REQUIRED FOR CONSTRUCTION OF THE PROJECT. SUCH INFRASTRUCTURE SHALL INCLUDE BUT NOT BE LIMITED TO ALL SURFACING, STORM DRAIN LINES, SEWER LINES, WATER LINES AND SERVICE LINES.

3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO REESTABLISH ANY MISSING REFERENCE POINTS REQUIRED FOR CONSTRUCTION OF THE PROJECT INFRASTRUCTURE. ALL COSTS INCURRED IN PROVIDING SUCH CONSTRUCTION STAKING AND SURVEYING WORK SHALL BE PAID AS SHOWN IN THE BID PROPOSAL.

CONSTRUCTION LIMITS AND STORAGE LIMITS:

1. THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS, DESIGNATED CONSTRUCTION EASEMENTS ON THE PLAN SET, AND/OR RIGHT-OF-WAY LIMITS.

2. 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.

3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES SO AS TO NOT INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON-SITE.

4. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN 20 FEET FROM THE EDGE OF THE DRIVING LANE 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 ENGINEER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

AGENCY COORDINATION / NOTIFICATION:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY FOR CONSTRUCTION. CONTACT DEVELOPMENT REVIEW OR PROJECT ENGINEER (848-1500) FOR INFORMATION.

2. PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION, ATTN: COUNTY PROJECT MANAGER.

3. THE CONTRACTOR SHALL NOTIFY THE BERNALILLO COUNTY SHERIFF'S OFFICE AND THE FIRE MARSHALL'S OFFICE IN WRITING WHEN SCHEDULED WORK WILL IMPACT EMERGENCY VEHICLE ACCESS A MINIMUM OF FIVE(5) WORKING DAYS PRIOR TO ANY WORK WITHIN COUNTY OR CITY RIGHT-OF-WAY.

4. THE CONTRACTOR SHALL NOTIFY THE SOLID WASTE DEPARTMENT AND THE POST OFFICE IN WRITING A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY WORK WITH ANY COUNTY OR CITY RIGHT-OF-WAY.

5. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.

6. THE CONTRACTOR SHALL COORDINATE WITH ALBUQUERQUE PUBLIC SCHOOLS AND WITH ABQ RIDE TO ACCOMMODATE THE SCHEDULE FOR ALL DESIGNATED BUS ROUTES.

7. THE FIRE DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR, WHENEVER A FIRE HYDRANT IS TO BE REMOVED OR IS TO BE OUT OF SERVICE.

AGENCY COORDINATION / NOTIFICATION (CONT):

8. THE CONTRACTOR SHALL NOTIFY THE ABCWUA (857-8200) AT LEAST SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. EXISTING VALVES TO BE OPERATED BY ABCWUA PERSONNEL ONLY. CONTRACTOR SHALL CONTACT WATER SYSTEMS DIVISION SEVEN (7) WORKING DAYS PRIOR TO NEEDING VALVES OPENED OR CLOSED. CONTRACTOR SHALL COORDINATE SEQUENCING OF ALL PLANNED VALVE CLOSURES. REFER TO SECTION 18 OF STANDARD COA SPECIFICATIONS. CONTRACTOR SHALL SUBMIT A WATER SHUT OFF PLAN FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES IN APPLICABLE AREAS.

RAILROAD COORDINATION:

1. THE CONTRACTOR IS HEREBY ADVISED THAT THE SCOPE OF WORK OR A PORTION THEREOF REQUIRED UNDER THIS PROJECT WILL OCCUR WITHIN RAILROAD RIGHT-OF-WAY OWNED BY NEWMEXICO DEPARTMENT OF TRANSPORTATION (NMDOT). CONTRACTOR SHALL ENTER INTO A RIGHT-OF-ENTRY AGREEMENT WITH NMDOT FOR ENTRY INTO AND WORK WITHIN RAILROAD RIGHT-OF-WAY, AND SHALL FOLLOW ALL REQUIREMENTS THEREIN. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITHIN OR ADJACENT TO RAILROAD RIGHT-OF-WAY WITH NMDOT TO ENSURE SAFETY AND THAT RAILROAD ACTIVITIES ARE NOT INTERRUPTED. THE CONTRACTOR SHALL NOT COMMENCE ANY WORK WITHIN THE RAILROAD RIGHT-OF-WAY WITHOUT PRIOR WRITTEN APPROVAL FROM NMDOT. CONSULT THE "RAILROAD NOTICE TO CONTRACTOR" AND RAILROAD RIGHT-OF-WAY ENTRY AGREEMENT SAMPLE FOR FURTHER GUIDANCE AND REQUIREMENTS AND RAILROAD CONTACT INFORMATION.

PROPERTY OWNER COORDINATION AND NOTIFICATION:

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 48 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE ENGINEER.

SPECIAL NOTICES:

a. HAND DELIVER SPECIAL NOTICES TO EACH RESIDENCE OR BUSINESS ADJACENT TO THE CONSTRUCTION AREA AND TO OTHERS WHICH MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES. SPECIAL NOTICES ARE TO INFORM RESIDENTS AND BUSINESSES IN WRITING WHENEVER ACCESS, UTILITY SERVICES, OR OTHER SERVICES TO THEIR PROPERTIES MAY BE IMPAIRED.

b. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:

1. DELIVERY OF SPECIAL NOTICES NOT MORE THAN SEVEN (7) DAYS PRIOR TO PHYSICAL CONSTRUCTION THAT WILL AFFECT THE PROPERTY.

2. CORRECTED NOTICES ARE TO BE DELIVERED IF CONSTRUCTION DOES NOT START WITHIN 48 HOURS OF DATE GIVEN IN NOTICE.

3. THE WRITTEN NOTICE IS TO STATE:
   - CONTRACTOR'S NAME, ADDRESS, AND LOCAL TELEPHONE NUMBER.
   - NATURE OF WORK TO BE DONE AND TIMING OF WORK.
   - TIME AND LENGTH OF DISRUPTION TO EXPECT.
   - EXPECTED DURATION OF CONSTRUCTION.
   - CONTRACTOR'S LOCAL PHONE NUMBER TO WHICH EMERGENCY CONDITIONS CAN BE REPORTED DURING NORMAL WORK HOURS.
   - CONTRACTOR'S LOCAL PHONE NUMBER TO WHICH EMERGENCY CONDITIONS CAN BE REPORTED DURING **NON-WORKING** PERIODS.

DURING CONSTRUCTION:

1. AT LEAST SEVEN (7) CALENDAR DAYS PRIOR TO THE INSTALLATION OF EACH WATER AND SANITARY SEWER SERVICE LINE, THE CONTRACTOR SHALL DISTRIBUTE A WRITTEN NOTICE TO EACH EXISTING RESIDENCE OF BUSINESS TO BE SERVICED BY THE LINE, ADVISING THEM OF THE PLANNED SERVICE LINE LOCATION AND PROVIDING A CONTACT NAME, ADDRESS AND PHONE NUMBER FOR ANY COMMENTS REGARDING THE PLAN. THE NOTICE WILL STATE IN BOTH ENGLISH AND SPANISH:

   - THE ADDRESS TO BE SERVED.
   - SKETCH WITH VALVE PIT AND SERVICE LATERAL LOCATION.
   - CONTRACTOR CONTACT INFORMATION
   - ALL MARK-UP/RETURNED VALVE PIT SKETCHES SHALL BE FORWARDED TO -ENGINEER/INSPECTOR FOR REVIEW PRIOR TO FINAL PLACEMENT OF VALVE PIT.
   - IF RESIDENT DOES NOT RESPOND TO SKETCH, IT SHALL BE ASSUMED THAT THE VALVE PIT LOCATION AND/OR SERVICE LINE LATERAL LOCATION IS ACCEPTABLE AS SHOWN ON PLAN.

PROPERTY OWNER COORDINATION AND NOTIFICATION:

DURING CONSTRUCTION (CONT):

2. CONTRACTOR SHALL COORDINATE MAIL DELIVERY DURING CONSTRUCTION OF THE PROJECT WITH THE U.S. POSTAL SERVICE SO THAT THERE IS NO INTERRUPTION OF MAIL SERVICE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

3. CONTRACTOR SHALL COORDINATE AND INFORM PROPERTY OWNER IN WRITING WHETHER THERE IS LANDSCAPING THAT WILL BE REMOVED, PRIOR TO THE REMOVAL OF LANDSCAPING AND/OR OTHER MISCELLANEOUS IMPROVEMENTS THAT MAY BE ENCOUNTERED ALONG STREET RIGHT-OF-WAY ABUTTING PRIVATE PROPERTY TO BE REMOVED TO CONSTRUCT THE PROJECT. CONTRACTOR SHALL GIVE PROPERTY OWNER OPPORTUNITY TO REMOVE ANY LANDSCAPING THAT THE PROPERTY OWNER MAY DESIRE TO REMOVE. THE COST FOR PERFORMING THIS WORK IS INCIDENTAL TO BID ITEM NO. 201000 "CLEARING AND GRUBBING" AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

4. DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH SOLID WASTE FOR TRASH COLLECTION IN FRONT OF PROPERTIES AND MOVE TRASH BINS AS NECESSARY. THE COST FOR PERFORMING THIS WORK IS INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

NOISE AND VIBRATORY CONCERNS:

1. THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35-TON NON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION IN EMBANKMENT AND SUB GRADE IN URBAN OR OTHER AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES. RESTRICTED AREAS SHALL BE DETERMINED BY THE PROJECT MANAGER.

2. NOISE SUPPRESSION DEVICES SHALL BE KEPT IN WORKING ORDER ON ALL EQUIPMENT IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS AND CITY ORDINANCE THROUGHOUT THE COURSE OF CONSTRUCTION.

EARTHWORK:

1. ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND RECORDING ALL EXISTING AND FINAL GRADES BY CROSS-SECTIONING OR OTHER MEANS, FOR THE PURPOSE OF DETERMINING EARTHWORK QUANTITIES. ANY DISCREPANCIES IDENTIFIED BETWEEN THE PLANS AND FIELD CONDITIONS SHALL BE MADE CONVEYED IN WRITING TO THE PROJECT ENGINEER WITHIN 48 HOURS WHO WILL PROVIDE DIRECTION. THESE RECORDS WILL BE SUBJECT TO REVIEW BY THE PROJECT ENGINEER FOR VERIFICATION OF PAY QUANTITIES.

3. THE EARTHWORK QUANTITIES WILL BE BASED ON FINAL VOLUMES COMPACTED IN PLACE ON-SITE.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

GENERAL NOTES
1 OF 4

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-8 OF

CHRISTOPHER ROSOL NEW MEXICO 1740 PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by the Development Review Committee and Albuquerque City Engineer Jul 24 2020

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson30@aecom.com\d0116495\A300161_1-4Gnl.dwg PLOTTED: 7/24/19 - 10:16am Jordan.Thompson11

GENERAL NOTES (CONT)

EARTHWORK (CONT):

3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES SHALL BE CARRIED OUT IN ACCORDANCE WITH OSHA 29, CFR 1926.650, SUBPART P.

4. UNLESS OTHERWISE STATED WITHIN THIS PLAN SET, ALL SIDE SLOPES SHALL BE 3:1 (HORIZONTAL TO VERTICAL) MAXIMUM, KEEPING SLOPES FLATTER WHEREVER POSSIBLE. SLOPES SHALL TRANSITION SMOOTHLY TO EXISTING GRADES IN ALL CASES.

5. THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION EASEMENT LIMITS.

6. THE DESIGN "R" VALUES FOR THIS PROJECT ARE 66 ALONG 2ND ST AND 23 ALONG WOODWARD RD. MATERIAL THAT DOES NOT MEET THE DESIGNATED MINIMUM "R" VALUE SHALL NOT BE PLACED IN, NOR ALLOWED TO REMAIN WITHIN THE TOP TWO FEET OF FINISHED GRADE.

7. SPOIL PILES WILL BE ALLOWED ONLY AS APPROVED BY THE CITY/COUNTY ENGINEER.

8. NO MATERIAL PITS HAVE BEEN IDENTIFIED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SUITABLE MATERIAL FROM ANY ACCEPTABLE SOURCE, PROVIDED THAT IT MEETS PROJECT SPECIFICATIONS. ALL MATERIAL PIT ACTIONS SHALL BE IN COMPLIANCE WITH SECTION 205 OF THE C.O.A. SPECIFICATIONS. NO ADDITIONAL PAYMENT SHALL BE MADE FOR HAULING OF SUCH MATERIAL.

9. CONTRACTOR IS RESPONSIBLE FOR EXAMINATION OF THE SITE AND DETERMINATION OF THE CHARACTER AND QUANTITY OF MATERIALS TO BE ENCOUNTERED.

10. UNSUITABLE MATERIAL EXCAVATION SHALL ONLY BE PAID IF UNSUITED MATERIAL IS ENCOUNTERED. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY UPON DISCOVERY OF MATERIAL THAT MAY BE UNSUITABLE PRIOR TO CONSTRUCTION. ANY WORK COMPLETED WITHOUT THE VERIFICATION OF UNSUITABLE MATERIAL AND ASSOCIATED QUANTITY BY THE OWNER AND ENGINEER WILL BE AT THE SOLE RISK OF THE CONTRACTOR.

11. ANY EXCESS SOIL MATERIAL REMAINING AS A RESULT OF NEW WATER LINE, SEWERLINE, STORM DRAIN OR ANY OTHER ABCWUA INFRASTRUCTURE INSTALLATION SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 203000 "UNCLASSIFIED EXCAVATION" AND NEITHER THE COUNTY NOR CITY WILL BE RESPONSIBLE FOR ANY ADDITIONAL PAYMENT.

12. EXCESS SUITABLE SOIL MATERIAL, REMAINING AS A RESULT OF UNDERGROUND INFRASTRUCTURE INSTALLATION OR LOWERING OF ROADWAY ELEVATIONS SHALL BE USED ON-SITE AS NEEDED FOR FILL AREAS OR FOR BACKFILL. ON-SITE MATERIAL SHALL BE USED IN LIEU OF IMPORTING OFF-SITE MATERIAL. NO ADDITIONAL PAYMENT WILL BE MADE TO CONTRACTOR FOR IMPORT OF OFF-SITE MATERIAL IN LIEU OF USING ON-SITE SOIL MATERIAL NOR WILL ANY ADDITIONAL PAYMENT BE MADE FOR ON-SITE MATERIAL THAT WILL BE USED AS BACKFILL. VERIFY WITH PROJECT MANAGER PRIOR TO REMOVAL OF ANY EXCESS SOIL MATERIAL FROM JOB SITE.

13. CONTRACTOR SHALL SUPPORT ALL POWER POLES AND FENCES ALONG THE RIGHT-OF-WAY AS SHALL BE CONSIDERED NECESSARY DURING CONSTRUCTION OF ABCWUA INFRASTRUCTURE OR STORM DRAIN INFRASTRUCTURE. THIS WORK IS INCIDENTAL TO BID ITEM NO. 203000 "UNCLASSIFIED EXCAVATION" AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

DAMAGE/DISTURBANCE

1. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO EXISTING WALLS, FENCES, SIDEWALKS, TRAIL SURFACES, IRRIGATION LINES, LANDSCAPING, VALVE BOXES, MANHOLES, OR INFRASTRUCTURE NOT OTHERWISE IDENTIFIED FOR REMOVAL OR RECONSTRUCTION. DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT ITS OWN EXPENSE.

2. EXISTING CURB AND GUTTER NOT CALLED OUT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

3. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE THE PAVEMENT USING CITY OF ALBUQUERQUE STANDARD DRAWING 2465, AT HIS/HER OWN EXPENSE.

4. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY TRAFFIC SIGNS AND PAVEMENT MARKINGS THAT ARE DAMAGED OR REMOVED.

5. UPON COMPLETION OF CONSTRUCTION, ALL AREAS WITHIN PROJECT LIMITS WHICH ARE DISTURBED OR ARE TO BE RE-VEGETATED SHALL BE SEEDED IN ACCORDANCE WITH SECTION 632 "NATIVE PLANT SEEDING" OF THE COA STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

DAMAGE/DISTURBANCE (CONT)

6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A VIDEO TAPE OF THE EXISTING CONSTRUCTION PROJECT SITE PRIOR TO CONSTRUCTION AS OUTLINED IN THE CONTRACT PROJECT SPECIFICATIONS. CONTRACTOR WILL NOT BE PAID FOR MOBILIZATION UNTIL THE VIDEO TAPE IS PROVIDED. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

PAVEMENT:

1. TEMPORARY PAVEMENT SHALL BE PLACED AT ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENT IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF TEMPORARY PAVING AND STRIPING SHALL BE AT THE CONTRACTOR'S EXPENSE.

2. WHEN ABUTTING NEW PAVEMENT TO THE EXISTING INTERSECTING STREETS, THE EXISTING PAVEMENT SHALL BE SAW CUT PER CITY OF ALBUQUERQUE STANDARD DRAWING 2465 TO A STRAIGHT LINE AT RIGHT ANGLES AND ANY BROKEN OR CRACKED PAVEMENT SHALL BE REMOVED. SAW CUTTING SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 423283 "HMA SP-IV COMPLETE"; THEREFORE, NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING. ALL SAW CUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND SHALL HAVE TACK COAT APPLIED. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 407000 "ASPHALT MATERIAL FOR TACK COAT" AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

3. WHEN ABUTTING EXISTING AREAS, ALL NEW STREET PAVING, DRIVEWAYS, AND SIDEWALKS SHALL MATCH THE ELEVATION OF THOSE AREAS.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING INFRASTRUCTURE (C&G, PAVING MARKINGS, PAVING, SIDEWALKS, WHEELCHAIR RAMPS, DRIVEPADS, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS. REPAIR OR REPLACEMENT OF THE SAME SHALL BE AT THE CONTRACTOR'S OWN EXPENSE. CONTRACTOR SHALL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND CLEANING SHALL BE AT THE CONTRACTOR'S EXPENSE SHOULD SPLASHING OCCUR.

5. WHERE A PROFILE GRADE IS NOT PROVIDED IN THE PLANS, STREET CENTERLINE GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CENTERLINE GRADES. CROSS SECTION THE EXISTING ROAD PRIOR TO CONSTRUCTION AT 50' MINIMUM SPACING. MINOR ADJUSTMENTS TO THE STREET GRADES MAY BE NECESSARY AND WILL BE DIRECTED BY THE PROJECT MANAGER. MINOR ADJUSTMENTS TO STREET GRADES WILL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 423283 "HMA SP-IV COMPLETE." SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS BEING REPLACED. TRAFFIC CONTROL DEVICES, INCLUDING PAVEMENT MARKINGS MUST BE RESTORED TO THE SAME OR BETTER CONDITIONS AS BEFORE CONSTRUCTION.

6. THE FINAL SURFACE OF THE REPLACED PAVEMENT AND GUTTER SHALL CONFORM TO A GRADE LINE SET BY THE CONTRACTOR SUCH THAT THE PAVEMENT AND GUTTER WILL READILY DRAIN AND DOES NOT VARY SIGNIFICANTLY FROM ADJACENT EXISTING GRADES.

7. MATCH FLOW LINES OF CURB AND GUTTER TO EXISTING WHEN CONNECTING NEW CURB AND GUTTER TO EXISTING.

8. WHEN REMOVAL OF EXISTING CURB AND GUTTER IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE NOTED.

9. PAVEMENT DROP-OFF POLICY: IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NMDOT CURRENT DROP-OFF POLICY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 618000 "TRAFFIC CONTROL MANAGEMENT" AND NO SEPARATE PAYMENT OR MEASUREMENT WILL BE MADE THEREFOR.

10. MAXIMUM ALLOWABLE VERTICAL DROP BETWEEN CONCRETE CURB RAMPS AND ADJACENT STREET PAVEMENT IS ¼". FAILURE TO MEET THIS REQUIREMENT SHALL NECESSITATE SUFFICIENT SURFACE CORRECTION AS TO ACHIEVE THE REQUIRED TOLERANCE, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE CONTRACTING AGENCY.

11. SUB GRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUB GRADE AND SUB BASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.

12. CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, WATER VALVE, ETC. WITHOUT PRIOR APPROVAL FROM THE PROJECT ENGINEER. IF THE CONTRACTOR PAVES OVER ANY SURFACE FEATURE, THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE PAVEMENT AND RESTORING THE FEATURE TO PRIOR OR BETTER CONDITION AS BEFORE CONSTRUCTION AT THE CONTRACTORS EXPENSE.

PAVEMENT (CONT):

13. CONTRACTOR SHALL UTILIZE A TRENCH BOX AVOIDING ANY DAMAGE TO EXISTING ROADWAY PAVEMENT UNLESS OTHERWISE NOTED ON PLANS: ANY DAMAGE TO EXISTING PAVEMENT SHALL BE REPLACED BY THE CONTRACTOR PER THE EXISTING PAVEMENT SECTION AND SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE TO THE CONTRACTOR.

14. CONTRACTOR SHALL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE ENGINEER TO PROVIDE ACCESS TO LOCAL RESIDENCES, BUSINESSES, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION.

15. WHEN REMOVAL OF EXISTING SIDEWALK IS REQUIRED, REMOVE TO THE NEAREST ADA COMPLIANT JOINT UNLESS OTHERWISE NOTED.

16. ALL EXISTING STORM OR SANCTUARY MANHOLE RIMS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO FINISHED GRADE. ADJUSTMENT SHALL INCLUDE CONCRETE COLLAR PER COA 2461. CONCRETE COLLAR IS INCIDENTAL TO ITEM 662400, MANHOLE ADJUSTMENT. ALL EXISTING WATER VALUE BOXES WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO FINISHED GRADE. ADJUSTMENT SHALL INCLUDE CONCRETE COLLAR PER COA 2461. CONCRETE COLLAR IS INCIDENTAL TO ITEM 663855, ADJUST VALUE BOX TO GRADE. NEW MANHOLES WITHIN THE PROJECT LIMITS SHALL INCLUDE CONCRETE COLLAR PER COA 2461. COLLAR IS INCIDENTAL TO MANHOLE CONSTRUCTION AND SHALL BE PAID FOR AS INCIDENTAL TO THE MANHOLE'S PARTICULAR ITEM NUMBER. ITEM NUMBERS 662000, 662010, 662062, 662072, 662074, OR 662100 AS APPLICABLE.

TRAFFIC:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF ALL TRAFFIC CONTROL PROCEDURES AND FOR MAINTAINING A TRAFFIC CONTROL DIARY IN ACCORDANCE WITH SECTION 7 OF THE CONTRACT BID SPECIFICATIONS. SEE 6-SERIES FOR CONSTRUCTION TRAFFIC CONTROL.

2. THE CONTRACTOR SHALL CONTACT PROJECT ENGINEER (848-1500) BEFORE REMOVING AND/OR INSTALLING ANY TRAFFIC SIGNS OR PERMANENT STRIPING AND MARKINGS.

3. ALL TRAFFIC SIGNS AND CODING SHALL BE IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. COORDINATE NEW SIGN LOCATIONS WITH PROJECT ENGINEER PRIOR TO INSTALLATION OR AS CALLED OUT IN THE PLANS.

4. ALL DETOURS AND ROADWAYS SHALL BE PAVED AND STRIPED PRIOR TO OPENING ANY SECTION TO TRAFFIC.

5. THE CONTRACTOR SHALL COORDINATE WITH NMDOT/COA FOR CONSTRUCTION BARRICADING AND TRAFFIC CONTROL FOR ANY WORK ON NMDOT/COA RIGHT-OF-WAY.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

GENERAL NOTES
2 OF 4

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-9 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17402 PROFESSIONAL ENGINEER
24 Jul 2019

Approved by City of Albuquerque Review Services and Albuquerque Code Compliance. See Approval Letter Dated

60572657 C:\pw\working\aecom...ds16_nm\jordan.thompson3@aecom.com\d0116495\A300161_1-90N.dwg PLOTTED: 7/24/19 - 10:16am Jordan.Thompson11

GENERAL NOTES (CONT)

GENERAL UTILITY NOTES:

1. ALL UTILITIES, UTILITY SERVICE LINES, AND STORM DRAIN LINES SHALL BE INSTALLED PRIOR TO PAVING. EXISTING VALVES AND MANHOLES SHALL NOT BE BURIED OR PAVED OVER BUT RIMS SHALL BE ADJUSTED TO MATCH NEW GRADE PER COA STD DWGS 2460 AND 2461

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING UTILITIES.

3. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.

4. CONTRACTOR SHALL COORDINATE WITH THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY SEVEN (7) WORKING DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER UTILITY AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER UTILITY AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ON-LINE AT HTTP//ABCWUA.ORG/CONTENT/463/729.

5. CONTRACTOR SHALL COORDINATE WITH PERTINENT UTILITY COMPANIES OF ALL EXISTING UTILITY LINES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY WORK CREWS. THE CONTRACTOR SHALL RESCHEDULE HIS ACTIVITIES AS NECESSARY TO ALLOW UTILITY WORK CREWS TO PERFORM THE REQUIRED WORK.

6. CONTRACTOR SHALL COORDINATE ANY REQUIRED UTILITY INTERRUPTIONS WITH THE AFFECTED UTILITY COMPANY A MINIMUM OF THREE WORKING DAYS BEFORE THE INTERRUPTION.

7. POTHOLE DATA ON THESE PLANS ARE FOR INFORMATION ONLY AND ARE NOT TO RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO CONDUCT POTHOLE EXCAVATION IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL POTHOLE THE ENTIRE JOB SITE CORRIDOR WELL IN ADVANCE OF CONSTRUCTION PROVIDING THE ENGINEER AND OWNER WITH A DETAILED TABLE OF POTENTIAL INTERFERENCES LISTING AT A MINIMUM THE ELEVATIONS OF BOTH THE PROPOSED UNDERGROUND UTILITY INFRASTRUCTURE AND EXISTING INTERFERING UTILITIES SO THAT THE OWNER MAY HAVE THE OPPORTUNITY TO CHANGE THE ALIGNMENT, IF NECESSARY, OR NOTIFY EXISTING UTILITY OWNERS TO RELOCATE THEIR LINES AS NECESSARY. ALL UTILITY LOCATION EFFORTS SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR. ANY DELAYS AND ASSOCIATED COSTS FOR UTILITY CONFLICTS THAT ARE CAUSED BY INSUFFICIENT UTILITY LOCATING EFFORTS BY THE CONTRACTOR SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR AND NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR.

8. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF THE EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE; THEREFORE, THE ENGINEER ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE RESULTS OF THE INVESTIGATION. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

9. ALL UTILITY LINES SHALL BE MAINTAINED IN SERVICE. SHORING, SHEETING, AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OF LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS SHALL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MUST BE IMMEDIATELY NOTIFIED OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER

10. CONTRACTOR SHALL PROVIDE A UTILITY SUPPORT DESIGN FOR ALL LARGE AND/OR CRITICAL SERVICES (E.G. COMMUNICATIONS AND ELECTRIC DUCT BANKS, EXPOSED GRAVITY LINE JOINTS, PRESSURIZED WATERLINES, SEWER FORCE MAINS, ETC.). SUPPORT FOR THESE CRITICAL SERVICES SHALL BE DESIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED TO OWNER FOR APPROVAL. THE DESIGN AND INSTALLATION OF BOTH CRITICAL AND NON-CRITICAL SUPPORTS IS INCIDENTAL TO BID ITEM PRICES OF THE SUBJECT WORK ITEM AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.

GENERAL UTILITY NOTES (CONT)

11. FOR PIPELINE TRENCH EXCAVATION, CONTRACTOR SHALL COMPLY WITH THE OSHA REGULATIONS STANDARD NO. 1926. TRENCH SUPPORT AND TEMPORARY SHORING SHALL BE REQUIRED FOR PROTECTION OF LIFE AND LIMB DURING PIPELINE CONSTRUCTION TO SATISFY CONSTRAINTS IDENTIFIED IN THE DRAWINGS FOR LIMITS OF DISTURBANCE, PROTECTION OF EXISTING UTILITIES, TRAFFIC CONTROL, ETC. AND SHALL BE DESIGNED BY CONTRACTOR IN ACCORDANCE WITH OSHA STANDARDS.

12. DESIGN AND CONSTRUCTION OF ALL FORMS, SHORING, AND TEMPORARY BRACING SHALL COMPLY WITH 29 CFR 1926 AND THESE COSTS SHALL BE CONSIDERED INCIDENTAL TO BID ITEM PRICE OF THE SUBJECT WORK ITEM AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.

13. ANY DAMAGE TO EXISTING FACILITIES (PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION."

14. TRENCHING, ASPHALT CUTTING AND PATCHING SHALL CONFORM TO BERNALILLO COUNTY STANDARD DRAWING 2465.

15. CONTRACTOR SHALL UTILIZE FLOWABLE FILL WHEREVER BACK FILL MATERIAL CANNOT BE PLACED AND COMPACTED BETWEEN THE NEW PIPE LINE AND EXISTING UTILITIES OR IF THE VERTICAL SEPARATION BETWEEN THE NEW PIPE LINE AND EXISTING UTILITY IS LESS THAN 12-INCHES.

16. FOR TRENCH DEPTHS EXCEEDING 20 FEET, CONTRACTOR SHALL SUBMIT VERIFICATION TO ENGINEER THAT TRENCH SUPPORT IS DESIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.

17. MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND FLANGE ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.

18. UTILITY CONTACTS:

COMPANY	NAME	PHONE #
PNM ELECTRIC	VIRGIL CORIZ	(505) 241-3429
NM GAS	RYAN COSTANZA	(505) 798-3346
COMCAST	MIKE MORTUS	(505) 271-3644
CENTURY LINK	DON DAVALOS	(505) 767-7449
AT&T	SEAN KELLY	(505) 843-2838
ABCWUA	DAMIAN LUNA	(505) 289-3031

19. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND COA STD DWG 2465.

20. CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO BID ITEM NO. 203000 "UNCLASSIFIED EXCAVATION" AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

WATER SYSTEMS

1. WATER SHUTOFF'S INVOLVING TRANSMISSION, WELL COLLECTOR, OR OTHER WATER AUTHORITY DESIGNATED LINES MAY NOT BE PERMITTED FOR APRIL 1 THROUGH SEPTEMBER 30 DUE TO THE DEMAND ON THE SYSTEM. CONSTRUCTION SCHEDULES WILL NEED TO BE COORDINATED WITH THE WATER AUTHORITY, PLANT & FIELD DIVISIONS WHEN THESE TYPES OF WATERLINES ARE IMPACTED.

2. CONTRACTOR SHALL ADJUST ALL WATER VALVE BOXES, VAULT LIDS AND OTHER APPURTENANCES TO FINISH GRADE PER COA STANDARD DETAILS 2236, 2460, AND 2461.

3. CONTRACTOR SHALL MAKE ALL WATER VALVES AND VAULT LIDS ACCESSIBLE TO THE OWNER AT ALL TIMES.

4. IF A WATER SERVICE LINE IS DAMAGED, CONTRACTOR SHALL REPLACE FROM MAIN TO METER BOX WITHOUT SPLICING AT NO ADDITIONAL COST TO THE OWNER.

5. THE FIRE DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR, WHENEVER A FIRE HYDRANT IS TO BE REMOVED AND RELOCATED.THIS WORK SHALL BE INCIDENTAL TO BID ITEM NO. 663105 "REMOVE AND RESET EXISTING FIRE HYDRANT" AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

6. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE CITY OF ABQ SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9. THE CONTRACTOR SHALL INSTALL A 4"X4"X5' POST AND EMS AT THE END OF EACH SANITARY SERVICE SEWER WITH A MINIMUM DETECTABLE RANGE OF 8 FEET FROM DETECTOR TO LOCATOR. THIS COST IS CONSIDERED INCIDENTAL TO THE COST OF THE WATERLINE AND/OR SEWER LINE AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

WATER SYSTEMS (CONT)

7. CONTRACTOR SHALL INSTALL WATER MAIN CROSSING SEWER AND STORM SEWER LINES TO PROVIDE A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER LINE. THIS SEPARATION SHALL BE MAINTAINED WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER LINE. THE CROSSING SHALL BE ARRANGED SO THAT THE WATER MAIN JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER LINE.

8. CONTRACTOR SHALL DISINFECT ALL PIPING IN ACCORDANCE WITH THE COA AND AMERICAN WATER WORKS ASSOCIATION (AWWA) SPECIFICATION BEFORE WATER SYSTEMS ARE PUT IN OPERATION. CONTRACTOR SHALL SUBMIT A TESTING AND DISINFECTION PLAN FOR REVIEW AND APPROVAL PRIOR TO TESTING. A BACK FLOW PREVENTER AND ASSOCIATED VALVE SHALL BE INSTALLED TO PROTECT THE COA SYSTEM.

9. CONTRACTOR MAY PRESSURE TEST AND DISINFECT CONCURRENTLY. JOHN DUPREE WITH COA (857-8211) SHALL BE CONTACTED TO INSPECT AND APPROVE THE DISINFECTION SYSTEM.

10. BACTERIOLOGICAL TEST WILL BE REQUIRED IN ACCORDANCE WITH COA SPECIFICATIONS AND THE RESULTS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.

11. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT HTTP://ABCWUA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX

12. PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900:DR18 REQUIREMENTS (6"-12") OR DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6"-48")

13. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES, AND APPURTENANCES SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS. THE JOINT RESTRAINT REQUIREMENTS SHOULD BE DELINEATED WITHIN A JOINT RESTRAINT TABLE

SEWER SYSTEMS

1. VACUUM VALVE PIT AND BUFFER TANK LOCATIONS SHOWN ON THE PLAN AND PROFILE SHEETS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD WITH APPROVAL OF THE ENGINEER.

2. VACUUM MAIN LOCATIONS SHOWN ON THE PLAN AND PROFILE SHEETS MAY BE ADJUSTED TO ACCOMMODATE FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER.

3. PLANS MAY NOT SHOW ALL FITTINGS AND BENDS REQUIRED FOR THE INSTALLATION OF ALL SERVICE LINES. ADDITIONAL BENDS AND FITTINGS ARE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF ALL SEWER SERVICE LINES.

4. ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING EXCEPT WHEN PROFILED WITHIN A PROPOSED OR EXISTING STREET, WHERE STREET STATIONING SHALL GOVERN.

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

GENERAL NOTES
3 OF 4

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-10 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17403 PROFESSIONAL ENGINEER
24 Jul 2019

Approved by Development Review Committee and Albuquerque City Engineer, [illegible] 2019

605726S7 C:\pwworking\aecom_ds16_no\jordan.thompson3@aecom.com\d0116495\A300161_1-100N.dwg PLOTTED: 7/24/19 - 10:16am Jordan.Thompson11

GENERAL NOTES (CONT)

MIDDLE RIO GRANDE CONSERVANCY DISTRICT (MRGCD):

1. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE MRGCD PRIOR TO CONSTRUCTION. THE ASSOCIATED COST SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR

2. ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (MRGCD) RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE MRGCD ENGINEERING DEPARTMENT AND APPROPRIATE FIELD OFFICE.
   MRGCD GENERAL OFFICE
   1931 SECOND STREET SW
   ALBUQUERQUE, NM 87102
   (505) 247-0234.

3. NO WORK SHALL BE DONE ON FACILITIES OR STRUCTURES BELONGING TO, OR OPERATED BY, THE MRGCD BETWEEN MARCH 1 AND OCTOBER 31 INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE MRGCD IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF MRGCD FACILITY. ALL WORK TO BE DONE WITHIN MRGCD FACILITIES MUST BE APPROVED BY THE MRGCD ENGINEER PRIOR TO COMMENCING WORK.

4. THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE MRGCD FACILITY.

5. THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN THE MRGCD RIGHT-OF-WAY.

6. SEEDING OF DISTURBED AREAS WITHIN THE MRGCD RIGHT-OF-WAYS IS REQUIRED PER THE MRGCD SEEDING SPECIFICATION.

7. THE CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF 3' OVER ALL CULVERT CROSSING USED FOR ACCESS TO THE PROJECT SITE.

8. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND OR REPLACEMENT OF ANY STRUCTURES REMOVED AND OR DAMAGED DUE TO THE CONTRACTORS ACTIVITIES WITHIN THE MRGCD RIGHT-OF-WAY. SHOULD ANY TURNOUTS, CULVERT PIPES, AND/ OR STRUCTURES REQUIRE REPLACEMENT DUE TO LEAKAGE AND OR DAMAGE BY THE CONTRACTORS, NEW TURNOUTS, AND NEW CULVERT PIPES AND/OR NEW STRUCTURES SHALL REPLACE THE DAMAGED ITEM. REPAIRS AND OR REPLACEMENTS WITHIN THE MRGCD RIGHT-OF-WAY SHALL COMPLY WITH THE MRGCD SPECIFICATIONS.

9. ALL DAMAGED CULVERT CROSSING REMOVED AND/OR DISTURBED MUST BE RESTORED AND/OR REPLACED TO THE SATISFACTION OF THE MRGCD AND COMPLY WITH MRGCD SPECIFICATIONS.

10. ALL SALVAGEABLE CULVERTS, IRRIGATION GATES, ETC. MUST BE RETURNED TO MRGCD.

AS-BUILTS:

1. THE CONTRACTOR SHALL MAINTAIN AN UP-TO-DATE SET OF AS-BUILT PLANS FOR THE PROJECT, PROMPTLY RECORDING DATA, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS FOR ALL UTILITY LINES AND ACCESSORIES, EXISTING OR NEW, REQUIRED BY THE COUNTY FOR THE PREPARATION OF RECORD DRAWINGS BY THE ENGINEER. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED. THESE PLANS SHALL BE KEPT CURRENT AND AT THE PROJECT SITE AT ALL TIMES AND SHALL BE AVAILABLE TO THE PROJECT MANAGER AND PROJECT ENGINEER AT ANYTIME DURING CONSTRUCTION AND WILL BE CHECKED BY THE ENGINEER FOR ACCURACY AND COMPLETENESS ONCE EVERY TWO WEEKS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT

EPA GENERAL NOTES:

1. IF ANY THREATENED OR ENDANGERED SPECIES OR THEIR HABITATS ARE DISCOVERED DURING CONSTRUCTION, WORK WILL CEASE IMMEDIATELY AND THE EPA WILL BE NOTIFIED IN ORDER THAT APPROPRIATE MEASURES CAN BE TAKEN IN ACCORDANCE WITH THE ENDANGERED SPECIES ACT.

2. CONSTRUCTION MATERIAL AND WASTE PRODUCTS, INCLUDING MACHINERY LEAKAGE, MAINTENANCE MATERIAL AND SPILLS, WILL BE CONTAINED AND PROPERLY DISPOSED PRIOR TO PROJECT COMPLETION.

3. IF HUMAN REMAINS ARE ENCOUNTERED DURING CONSTRUCTION, APPROPRIATE LAW ENFORCEMENT AUTHORITIES AND THE OFFICE OF THE MEDICAL EXAMINER WILL BE CONTACTED.

4. IF CULTURAL MATERIALS ARE DISCOVERED DURING CONSTRUCTION, WORK WILL CEASE IMMEDIATELY, AND EPA AND THE NEW MEXICO STATE HISTORIC PRESERVATION OFFICER AT (505) 827-4044, WILL BE NOTIFIED OF THE DISCOVERY. EPA WILL PROCEED IN ACCORDANCE WITH THE REGULATIONS OF THE ADVISORY COUNCIL ON HISTORIC PRESERVATION PRIOR TO TAKING ANY ACTION WHICH WOULD AFFECT THE CULTURAL RESOURCES.

ASBESTOS CEMENT PIPE REMOVAL:

1. DESCRIPTION OF WORK: REMOVE, TRANSPORT, AND DISPOSE OF ALL ASBESTOS CEMENT (AC) PIPE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THE WORK SPECIFIED HEREIN SHALL BE THE REMOVAL OF ALL AC PIPE, BY COMPETENT PERSONS, IN COMPLIANCE WITHIN ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF THE ASBESTOS CEMENT PIPELINE BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE PROPER ARRANGEMENTS WITH THE AUTHORIZED AGENCY, FOR THE HANDLING, REMOVAL, TRANSPORT, AND DISPOSAL OF ALL ASBESTOS CEMENT PIPE.

2. SUBMITTALS: PROOF, SATISFACTORY TO THE ENGINEER, THAT THE REQUIRED PERMITS HAVE BEEN OBTAINED, AND THAT THE ARRANGEMENTS FOR TRANSPORT AND DISPOSAL OF ASBESTOS CONTAINING WASTE MATERIALS HAVE BEEN MADE. ALL DUMP RECEIPTS, TRIP TICKETS, TRANSPORTATION MANIFESTS, OF OTHER DOCUMENTATION OF DISPOSAL SHALL BE DELIVERED TO THE PROJECT ENGINEER FOR HIS/HER RECORDS. EMPLOY A RECORD KEEPING FORMAT THAT UTILIZES A CHAIN OF CUSTODY FORM, WHICH INCLUDES THE NAMES AND ADDRESSES OF THE GENERATOR (OWNER), CONTRACTOR PICKUP SITE AND DISPOSAL SITE, THE ESTIMATED QUANTITY OF THE ASBESTOS WASTE AND TYPE OF CONTAINER, AND THE DISPOSAL SITE OPERATOR, AS THE RESPONSIBILITY FOR THE MATERIAL CHANGES HANDS. IF A SEPARATE HAULER IS EMPLOYED, HIS NAME, ADDRESS, TELEPHONE NUMBER, AND SIGNATURE MUST ALSO APPEAR ON THE FORM. EACH COPY OF THE WASTE MANIFEST IS TO BE SIGNED BY ALL PERSONS INVOLVED IN THE CHAIN OF CUSTODY OF THE ASBESTOS WASTE.

3. MEASUREMENT AND PAYMENT: THE ASBESTOS CEMENT PIPE SHALL BE REMOVED, TRANSPORTED, AND DISPOSED OF IN COMPLIANCE WITH NM SOLID WASTE MANAGEMENT REGULATIONS. THE PAYMENT FOR THIS ITEM SHALL BE INCIDENTAL TO ITEMS 601998 (SINGLE CONDUIT) AND 601999 (BUNDLED CONDUIT).

   RELEVANT NEW MEXICO REGULATIONS ANS OFFICE:
   NEW MEXICO SOLID WASTE MANAGEMENT REGULATIONS
   TITLE 20-CHAPTER 9-PART 1
   WEB SITE ADDRESS- WWW.NMENV.STATE.NM.US

ADDITIONAL ENVIRONMENTAL NOTES:

1. DISPOSAL OF UNSUITABLE MATERIALS & DEBRIS: THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN WRITING OF THE DETAILS OF THE DISPOSAL OPERATIONS. BORROW, MATERIALS, ROCK WASTE, VEGETATION DEBRIS, ETC., SHALL NOT BE PLACED IN WETLAND AREAS OR AREAS WHICH MAY IMPACT ENDANGERED SPECIES OR ARCHAEOLOGICAL RESOURCES. AN ARCHAEOLOGICAL SURVEY AND ENVIRONMENTAL CLEARANCE SHALL BE OBTAINED BY THE CONTRACTOR BEFORE DISPOSAL SITES ARE ACCEPTED IN ACCORDANCE WITH SECTION 107.14 OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.

2. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, ASPHALT PAVING, CONCRETE PAVING, CURB & GUTTER, SIDEWALKS, DRIVEWAYS AND OTHER REMOVAL ITEMS SHALL BE LOCATED BY THE CONTRACTOR. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 203000 "UNCLASSIFIED EXCAVATION" AND NO DIRECT PAYMENT WILL BE MADE THEREFOR. THE DISPOSAL SITE SHALL BE ENVIRONMENTALLY ACCEPTABLE AND APPROVED BY THE PROJECT MANAGER. ALSO, A PERMITTED FACILITY FOR DISPOSABLE HAZARDOUS WASTE SHALL BE LOCATED AND APPROVED BY PROJECT MANAGER.

3. CONTRACTOR ACTIVITIES IN THE VICINITY OF WATERWAYS: ALL WORK IN THE VICINITY OF LIVE STREAMS, WATER IMPROVEMENTS, WETLANDS, OR IRRIGATION SUPPLIES SHALL BE AFFECTED IN SUCH A MANNER AS TO MINIMIZE VEGETATION REMOVAL, SOILS DISTURBANCES AND EROSION. EROSION, AND CROSSINGS OF LIVE STREAMS WITH HEAVY EQUIPMENT SHALL BE MINIMIZED. AS DETERMINED BY THE PROJECT MANAGER, EQUIPMENT REFUELING, MAINTENANCE, AND CEMENT DUMPING IN THE VICINITY OF WATER CROSSINGS IS STRICTLY PROHIBITED AND SHALL BE PERFORMED IN PROPER CONTAINMENT AREAS.

4. THE CONTRACTOR SHALL ENSURE THAT DAMAGE TO OR REMOVAL OF VEGETATION WILL BE KEPT TO A MINIMUM AND THAT NO EXTRANEOUS CLEARING, GRUBBING, LAND DISTURBANCE OR EXCAVATION WILL TAKE PLACE. CONSISTENT WITH THE REQUIREMENTS OF THE DEPARTMENT'S STANDARD SPECIFICATIONS SECTION 107.18 PROTECTION AND RESTORATION OF PUBLIC AND PRIVATE PROPERTY, SECTION 201, CLEARING & GRUBBING, AND SUBSECTION 603.3.2, CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL SEE TO IT THAT TREES AND SHRUBS WITHIN THE RIGHT-OF-WAY AND ALONG THE FENCE LINES ARE NOT OVERRUN OR DAMAGED BY CONSTRUCTION EQUIPMENT UNNECESSARILY. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL HAVE TEMPORARY AND PERMANENT EROSION CONTROL. MEASURES IMPLEMENTED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH THE NEW MEXICO WATER UTILITY ACT AND APPLIANCE CLEAN WATER ACT PERMITS AND REGULATIONS. THE CONTRACTOR SHALL BEAR THE FULL COST OF IMPLEMENTATION OF EROSION CONTROL. MEASURES AND VEGETATION RE-MEDIATION NECESSARY DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE DETERMINED BY THE PROJECT MANAGER AND THE ENVIRONMENTAL PROGRAM MANAGER'S REPRESENTATIVE. THIS WORK WILL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO MEASUREMENT OR PAYMENT WILL BE MADE.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPLICABLE NPDES PERMIT DURING CONSTRUCTING, FILLING OUT THE NOTICE OF INTENT (NOI) APPLICATION, NOTICE OF TERMINATION APPLICATION, AND FULFILLING ALL OTHER NECESSARY NPDES REQUIREMENTS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE SUBMITTAL OF A POLLUTION PREVENTION PLAN AND INSPECTION REPORTS. THESE ITEMS SHALL BE PAID FOR UNDER BID ITEM NO. 603281 "SWPPP PLAN PREPARATION AND MAINTENANCE" AND NO SEPARATE PAYMENT SHALL BE MADE THEREFOR.

6. THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL CLEAN ASPHALT PAVEMENT AND CONCRETE MATERIAL TO BE REMOVED ACCORDING TO THE PLANS. CLEAN ASPHALT IS CLASSIFIED AS FILL MATERIAL AND IS NOT SUBJECT TO THE SOLID WASTE MANAGEMENT REGULATIONS OF THE NEW MEXICO ENVIRONMENTAL DEPARTMENT. CLEAN IS DEFINED AS "BEING FREE OF SOLID WASTE OR CONTAMINANTS WHICH HAVE THE POTENTIAL OF MIGRATING INTO SURFACE OR GROUND WATER". THE MATERIAL SHALL BE COVERED WITH TWO FEET OF CLEAN EARTH IMMEDIATELY AFTER DISPOSAL. THE MATERIAL CANNOT BE PLACED IN A WATERCOURSE, ARROYO, OR WITHIN 10 FEET OF GROUNDWATER. IF THE ASPHALT AND CONCRETE MATERIAL IS NOT CLEAN, IT IS SUBJECT TO THE SOLID WASTE ACT AND MUST BE PLACED IN AN APPROVED LANDFILL. ALL DISPOSAL SITES ARE SUBJECT TO THE APPROVAL OF THE RESPECTIVE LANDOWNER AND THE PROJECT MANAGER.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEANUP OF SPILLS ASSOCIATED WITH PROJECT CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, ETC., WHICH MAY BE A THREAT TO PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING DISCOVERIES OF PAST SPILLS AND OF CURRENT SPILLS NOT ASSOCIATED WITH CONSTRUCTION. REPORTS SHALL BE MADE IMMEDIATELY TO THE NM ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 827-9329. NON-EMERGENCIES MAY BE REPORTED TO 428-2500.

8. CONTRACTOR SHALL CONFORM TO ALL LOCAL AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY DUST CONTROL OR EROSION CONTROL PERMITS FROM THE APPROPRIATE REGULATORY AGENCIES.

9. WATERING, AS REQUIRED FOR CONSTRUCTION DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO BID ITEM NO. 621000 "MOBILIZATION" AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL COORDINATE WITH ABCWUA FOR WATER AVAILABILITY AND USE. THE CONTRACTOR SHALL SUPPLY ALL EQUIPMENT AND MATERIALS NECESSARY FOR PROVIDING WATER.

CHRISTOPHER ROSOL
NEW MEXICO
11740
PROFESSIONAL ENGINEER
24 Jul 2019

Approved by Board of Trustee and Albuquerque Engineering Services 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

GENERAL NOTES
4 OF 4

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 1-11 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nm\jordan.thompson3@aecom.com\d0116495\A300161_1-11GN.dwg PLOTTED: 7/24/19 - 10:16am Jordan Thompson11

ENVIRONMENTAL COMMITMENTS:

THE CONTRACTOR SHALL REFER TO SECTION 107 OF THE 2019 EDITION OF THE STANDARD SPECIFICATION, MAKING SPECIAL NOTE OF SUB-SECTION 107.14-CONTRACTOR'S RESPONSIBILITY FOR ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION.

☐ NO ADDITIONAL PROJECT SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY

☒ IN ADDITION TO SECTION 107, THE FOLLOWING PROJECT SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY:

WATER RESOURCES

THE CONTRACTOR WILL FILE A NOI AS AN OPERATOR WITH THE EPA. THE NOI WILL ALLOW THE CONTRACTOR TO OBTAIN COVERAGE UNDER THE NPDES GENERAL CONSTRUCTION ACTIVITY PERMIT. AS PART OF THE NPDES PERMIT THE CONTRACTOR WILL PREPARE A SWPPP THAT IDENTIFIES BEST MANAGEMENT PRACTICES TO MINIMIZE SOIL EROSION AND TRANSPORT OF SEDIMENT AND CONTAMINANTS.

THE WOODWARD ROAD IMPROVEMENTS PROJECT IS AUTHORIZED UNDER THE CLEAN WATER ACT SECTION 404 NWP 14 AND SECTION 401 WATER QUALITY CERTIFICATION. THE CONTRACTOR WILL COMPLY WITH THE CONDITIONS OF NWP 14 AND 401 CERTIFICATION.

ALL PARTIES INVOLVED IN THE PROJECT SHALL BE AWARE OF NOTIFICATION REQUIREMENTS CONTAINED IN 20.6.2.1203 NMAC FOR ACCIDENTAL DISCHARGES. COMPLIANCE WITH THE NOTIFICATION AND RESPONSE REQUIREMENTS WILL BE MET IN THE EVENT OF ANY POTENTIAL LEAKS OR SPILLS OCCURRING DURING CONSTRUCTION FROM HEAVY EQUIPMENT.

VEGETATION

ANY DISTURBED AREAS THAT HAVE NOT BEEN IMPROVED WITH EITHER THE ROADWAY OR PLANNED LANDSCAPING WILL BE RE-VEGETATED WITH A NATIVE SEED MIX AS REQUIRED BY SECTION 632 OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2019 EDITION, AFTER FINAL CONSTRUCTION.

WILDLIFE

PRECONSTRUCTION SURVEYS WILL BE PERFORMED TO DETERMINE IF NESTING BIRDS WOULD BE AFFECTED BY CONSTRUCTION. IF NESTING BIRDS ARE AFFECTED BY THE PROJECT, APPROPRIATE PROTECTION OR MITIGATION MEASURES WILL BE DEVELOPED IN COORDINATION WITH THE NMDOT AND US FISH AND WILDLIFE SERVICE.

CULTURAL RESOURCES

IF EARTHEN SEGMENTS OF THE IRRIGATION SYSTEM ARE DAMAGED OR ALTERED DURING CONSTRUCTION, THEY WILL BE REPAIRED ON EXISTING ALIGNMENTS USING LIKE MATERIALS. DESCANSOS WILL BE AVOIDED DURING CONSTRUCTION. IF THEY CANNOT BE AVOIDED, THEY WILL BE RELOCATED TO A LOCATION NEARBY AND OUTSIDE OF THE CONSTRUCTION LIMITS. WHERE IT IS FEASIBLE, THEY WILL BE RETURNED AS NEAR TO THE ORIGINAL LOCATION AS PRACTICAL AFTER WORK IN THE AREA IS COMPLETE. IF CULTURAL MATERIALS OR HUMAN BURIALS ARE ENCOUNTERED DURING PROJECT CONSTRUCTION, WORK IN THAT AREA WILL STOP AND ADDITIONAL MITIGATION MEASURES WILL BE IMPLEMENTED IN COORDINATION WITH THE NMDOT AND SHPO.

AIR QUALITY

A FUGITIVE DUST PERMIT WILL BE OBTAINED FROM THE CITY OF ALBUQUERQUE AND A DUST CONTROL PLAN WILL BE DEVELOPED. THE DUST CONTROL PLAN WILL DETAIL PRACTICES SUCH AS WATERING OR COVERING DISTURBED SOIL SURFACES OR DEBRIS PILES. EARTHMOVING AND OTHER DUST-PRODUCING ACTIVITIES WILL BE SUSPENDED DURING PERIODS OF HIGH WINDS, CONSTRUCTION AREAS AND ADJACENT ROADS WILL BE SWEPT OR CLEARED OF MUD AND DEBRIS, AND MATERIAL TRANSPORTED ON- OR OFF-SITE BY TRUCK WILL BE COVERED.

UTILITY ADJUSTMENTS

THE CONSTRUCTION CONTRACTOR WILL NOTIFY AND COORDINATE WITH UTILITY OWNERS REGARDING THE SCHEDULE AND SEQUENCE OF CONSTRUCTION ACTIVITIES AFFECTING UTILITIES.

R Blake Rayclaw 7-26-19
NMDOT ENVIRONMENTAL PROGRAM MANAGER — DATE
NMDOT CONTROL NUMBER: A300161

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ENVIRONMENTAL COMMITMENTS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\jeworking\wecom_dc16_ne\chris.rossi@aecom.com\d0116495\A300161_1_Enviro Commits.dwg PLOTTED: 7/25/19 - 1:24pm chris.rossi

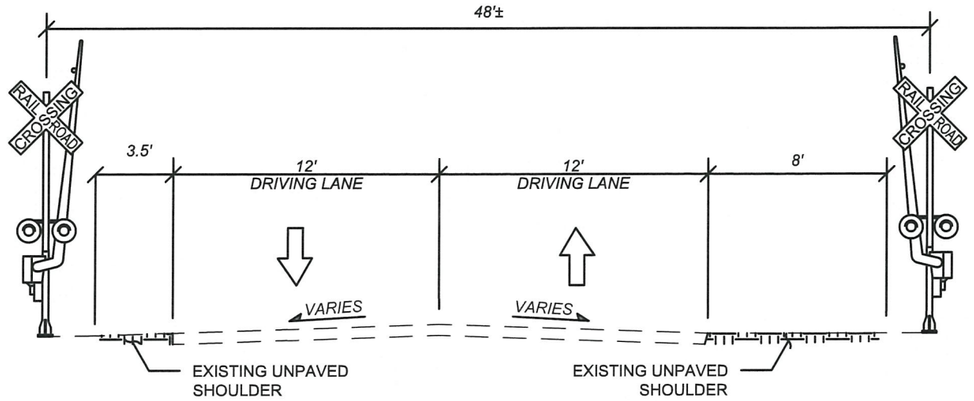
LENGTH OF PROJECT

			WOODWARD RD		2ND ST		WILLIAMS ST		
STATION	TO	STATION	LENGTH LIN.FT.	MILES	LENGTH LIN.FT.	MILES			REMARKS
101+00.39	-	126+75.00	2574.610	0.488					2ND ST TO SAN JOSE DRAIN
202+00.00	-	214+15.00			1215.000	0.230			
300+00.00	-	301+12.07					112.070	0.021	
PROJECT LENGTH - PER ROADWAY			2574.610	0.488	1215.000	0.230	112.070	0.021	
PROJECT LENGTH - TOTAL							3901.680	0.739	

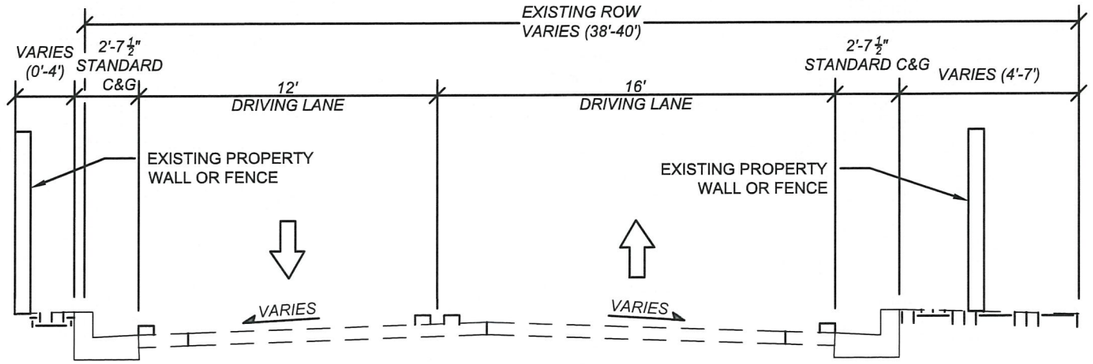
TRAFFIC VOLUME ESTIMATES

	WOODWARD RD	SECOND ST
POSTED SPEED	30 MPH	35 MPH
DESIGN SPEED	35 MPH	40 MPH
AADT (2015) ACTUAL	3,590	*5910/7820
AADT (2040) DESIGN	7,300	*7900/13800
% HEAVY VEHICLES (2015) ACTUAL	6%	
% HEAVY COMMERCIAL (2040) DESIGN	6%	
ESAL - (20 YEAR)	2.3 MILLION	8.6 MILLION

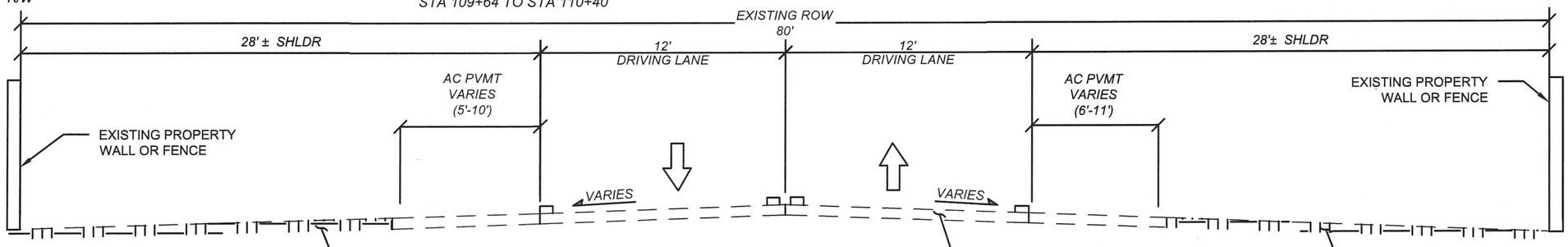
* NORTH OF WOODWARD/SOUTH OF WOODWARD



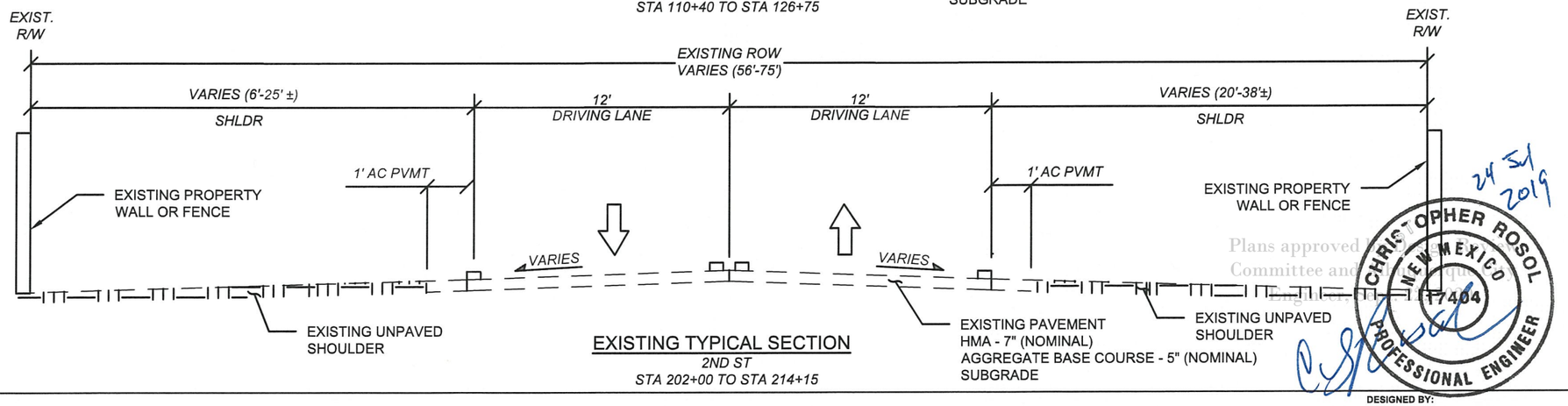
EXISTING TYPICAL SECTION
WOODWARD RD AT RAILROAD GRADE CROSSING
STA 109+64 TO STA 110+40



EXISTING TYPICAL SECTION
WILLIAMS ST
STA 300+15.95 TO STA 301+12.07



EXISTING TYPICAL SECTION
WOODWARD RD
STA 101+50 TO STA 109+64
STA 110+40 TO STA 126+75



EXISTING TYPICAL SECTION
2ND ST
STA 202+00 TO STA 214+15

CLEAR ZONE

ROADSIDE SLOPE	CLEAR ZONE* (FT)
6:1 OR FLATTER	12
5:1 TO 4:1	14
4:1 TO 3:1	16

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
EXISTING TYPICAL SECTIONS

Plans approved by the Development Review Committee and [illegible] Engineer, [illegible]

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER

24 Jul 2019

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

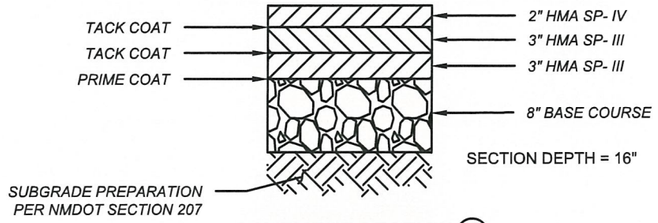
SHEET 2-1 OF

DESIGNED BY:

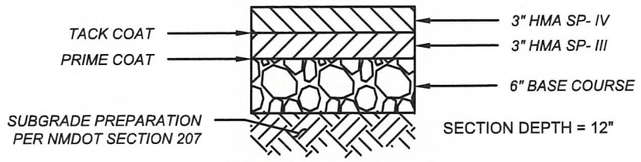
DRAWING SCALE:

NMDOT CN: A300161

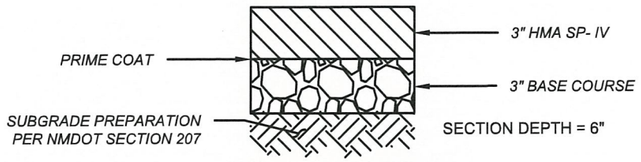
60572657 C:\prewarking\aecom_ds16_nt\jordan.thompson3@aecom.com\d0116496\A300161_2-11S.dwg PLOTTED: 7/24/19 - 10:30am Jordan Thompson11



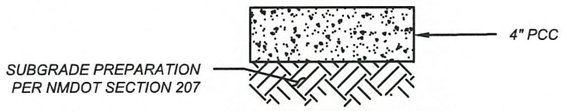
PAVEMENT SECTION (A)
(WOODWARD RD)



PAVEMENT SECTION (B)
(2ND ST / WILLIAM ST)



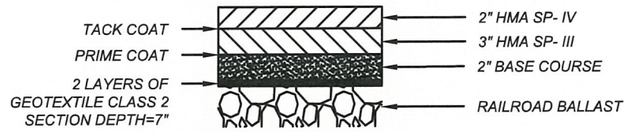
PAVEMENT SECTION (C)
(SHARED USE PATH)



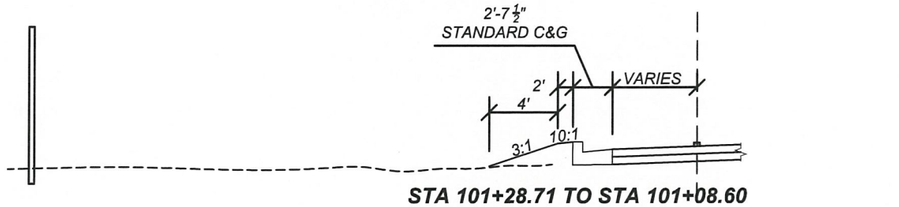
PAVEMENT SECTION (D)
(CONCRETE SIDEWALK)

CONSTRUCTION NOTES

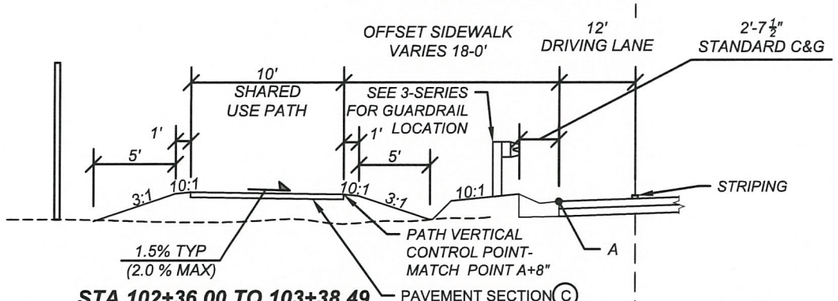
1. 2'-7½" STANDARD CURB AND GUTTER PER COA STANDARD DRAWING 2415A, PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
2. MEDIAN CURB AND GUTTER PER COA STANDARD DRAWING 2415B, PAID AS ITEM 609478, CONCRETE VERTICAL CURB & GUTTER, TYPE D 6" X 18"
3. 2'-7½" ESTATE CURB PER COA STANDARD DRAWING 2415A, PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
4. 2'-7½" SLOPED CURB AND GUTTER, TYPE 1 PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
5. SIDEWALK, PAID AS ITEM 608004 CONCRETE SIDEWALK, 4"



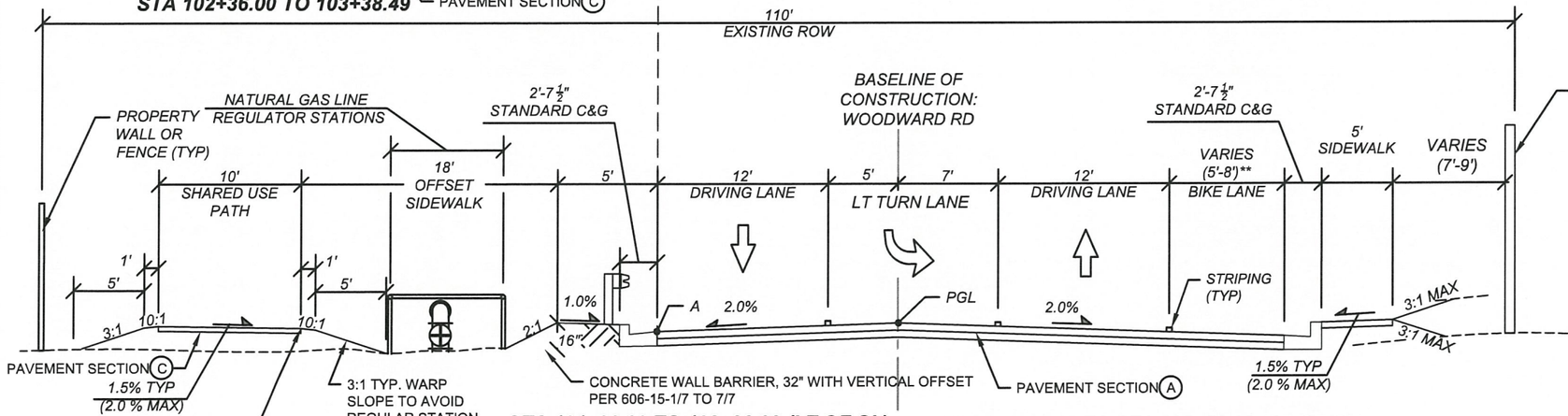
PAVEMENT SECTION (E)
(PAVEMENT BETWEEN TRACK PANELS AT RAILCROSSING)



STA 101+28.71 TO STA 101+08.60

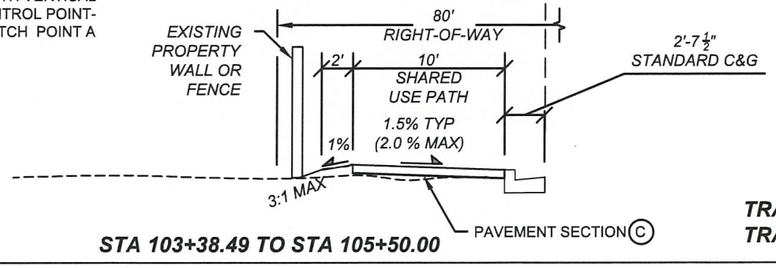


STA 102+36.00 TO 103+38.49



STA 101+86.00 TO 102+36.00 (LT OF CL)

STA 101+28.71 TO STA 105+50.00 (RT OF CL)



STA 103+38.49 TO STA 105+50.00

PAVEMENT SECTION (F)

***TRANSITION BIKE LANE WIDTH FROM 5' TO 8'
STA 103+31 TO STA 103+81**

PROPOSED TYPICAL SECTION A: WOODWARD RD
TRANSITION STA 101+00.00 TO TRANSITION STA 102+21.59
TRANSITION STA 102+89.05 TO TRANSITION STA 103+86.99

Plans approved by Design Review Committee and Albuquerque Public Works Engineer Sept 25, 2019

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
PROPOSED TYPICAL SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

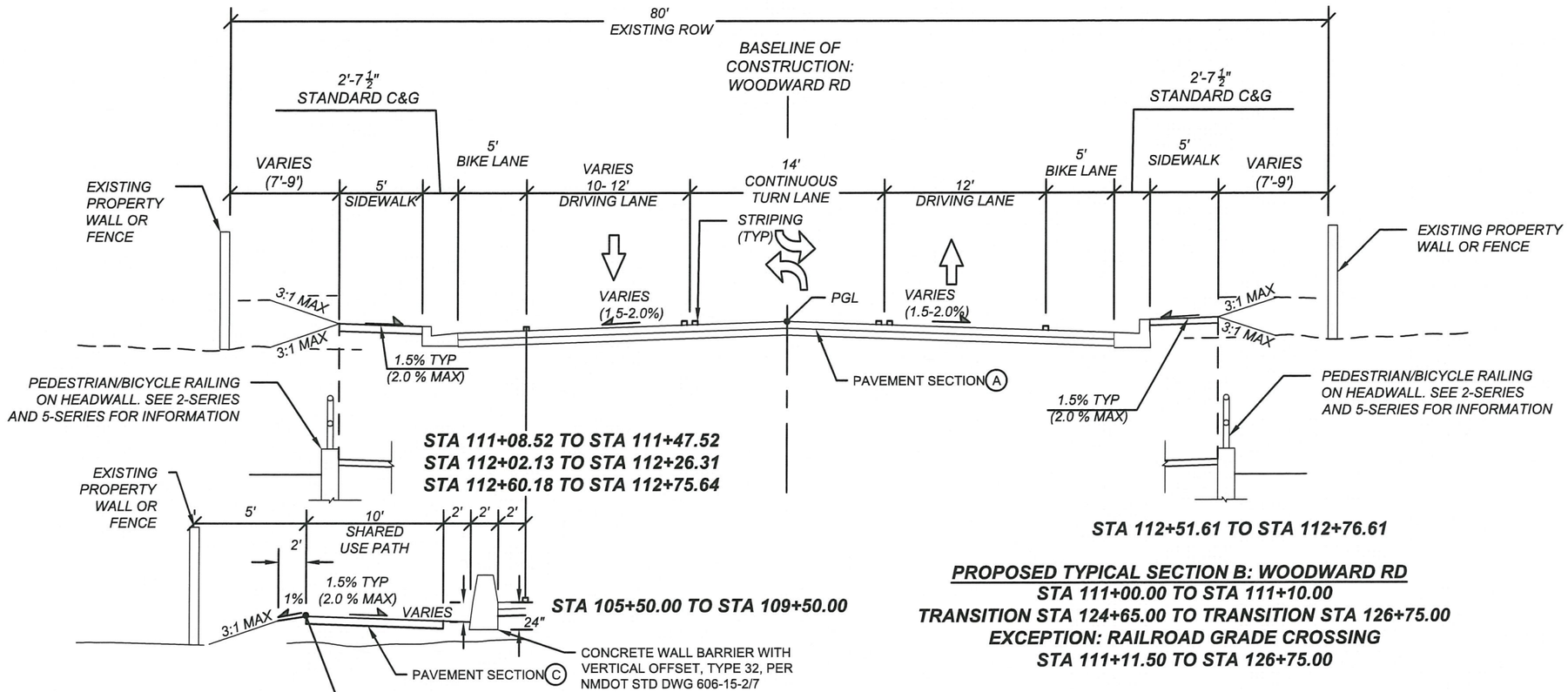
SHEET 2-2 OF

DESIGNED BY:

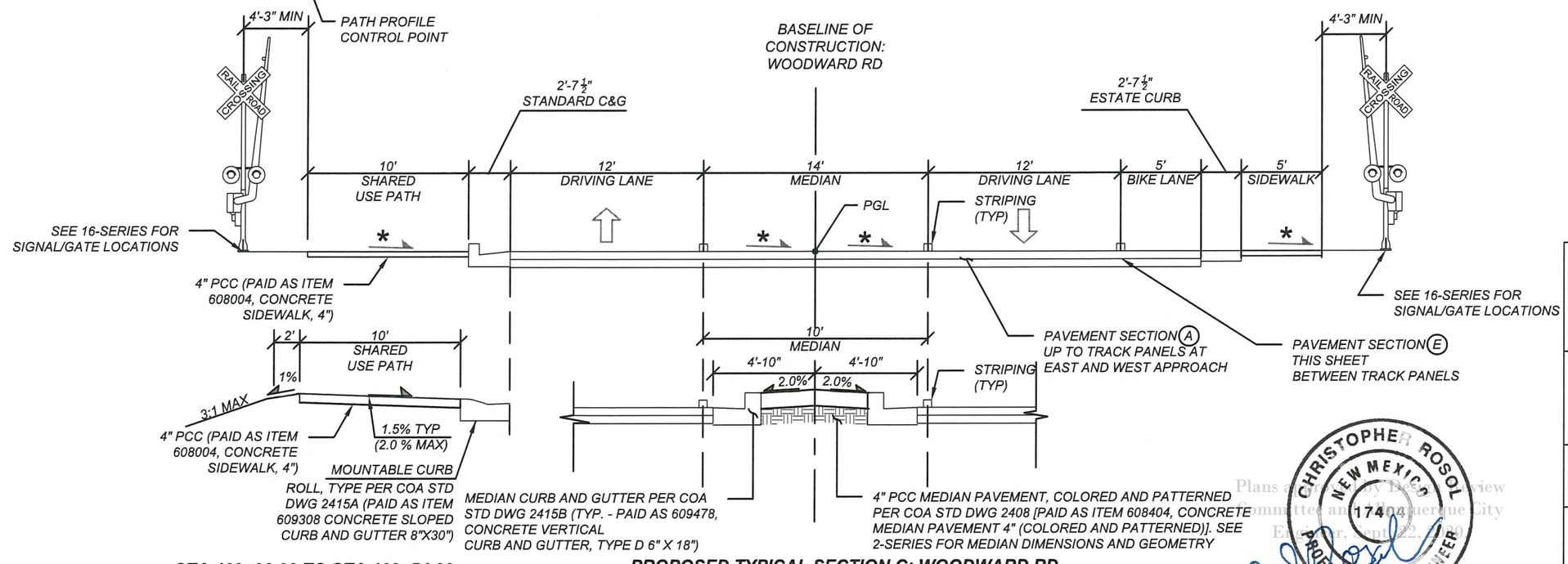
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nx\jordan.thompson3@aecom.com\d0116496\A300161_2-2TS.dwg PLOTTED: 7/24/19 - 10:31am Jordan.Thompson11



PROPOSED TYPICAL SECTION B: WOODWARD RD
STA 111+00.00 TO STA 111+10.00
TRANSITION STA 124+65.00 TO TRANSITION STA 126+75.00
EXCEPTION: RAILROAD GRADE CROSSING
STA 111+11.50 TO STA 126+75.00



STA 109+00.00 TO STA 109+54.00

PROPOSED TYPICAL SECTION C: WOODWARD RD
STA 109+24.67 TO STA 109+72.46
STA 110+34.14 TO STA 111+10.00

CONSTRUCTION NOTES

1. 2'-7 1/2" STANDARD CURB AND GUTTER PER COA STANDARD DRAWING 2415A, PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
2. MEDIAN CURB AND GUTTER PER COA STANDARD DRAWING 2415B, PAID AS ITEM 609478, CONCRETE VERTICAL CURB & GUTTER, TYPE D 6" X 18"
3. 2'-7 1/2" ESTATE CURB PER COA STANDARD DRAWING 2415A, PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
4. 2'-7 1/2" SLOPED CURB AND GUTTER, TYPE 1 PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
5. SIDEWALK, PAID AS ITEM 608004 CONCRETE SIDEWALK, 4"

* ROADWAY, SHARED USE PATH, AND SIDEWALK CROSS SLOPE TO MATCH NEW CROSSING RAIL GRADE - SEE 16-SERIES FOR RAIL CROSSING INFORMATION

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PROPOSED TYPICAL SECTIONS WOODWARD RD

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
24 Jul 2019

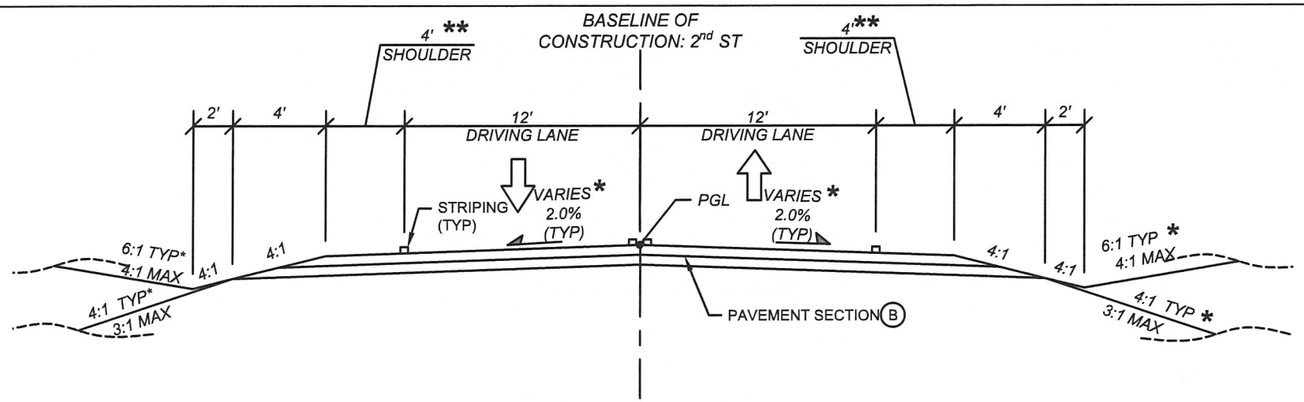
Plans approved by Design Review Committee and City of Albuquerque City Engineer, Sept 22, 2020

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-3 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\secom_ds16_nm\jordan.thompson3@aecom.com\d0116496\A300161_2-3TS_1.dwg PLOTTED: 7/24/19 - 10:31am Jordan.Thompson11



PROPOSED TYPICAL SECTION D: 2ND ST

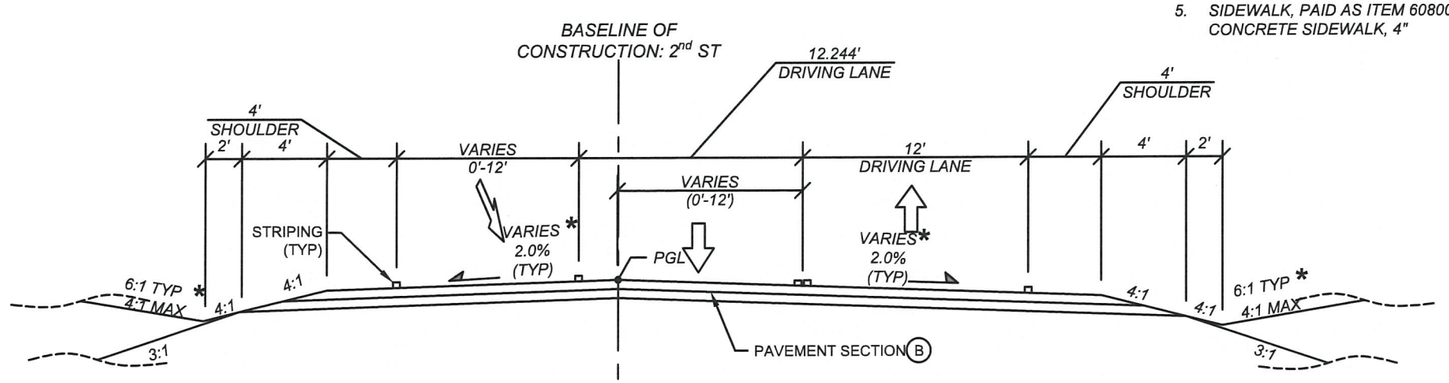
STA 202+00 TO STA 202+80

* SEE CROSS SECTIONS IN 13-SERIES FOR MORE INFORMATION

** STA 202+00 TO STA 202+25 SHOULDER WIDTH TRANSITION FROM ±1' TO 4'

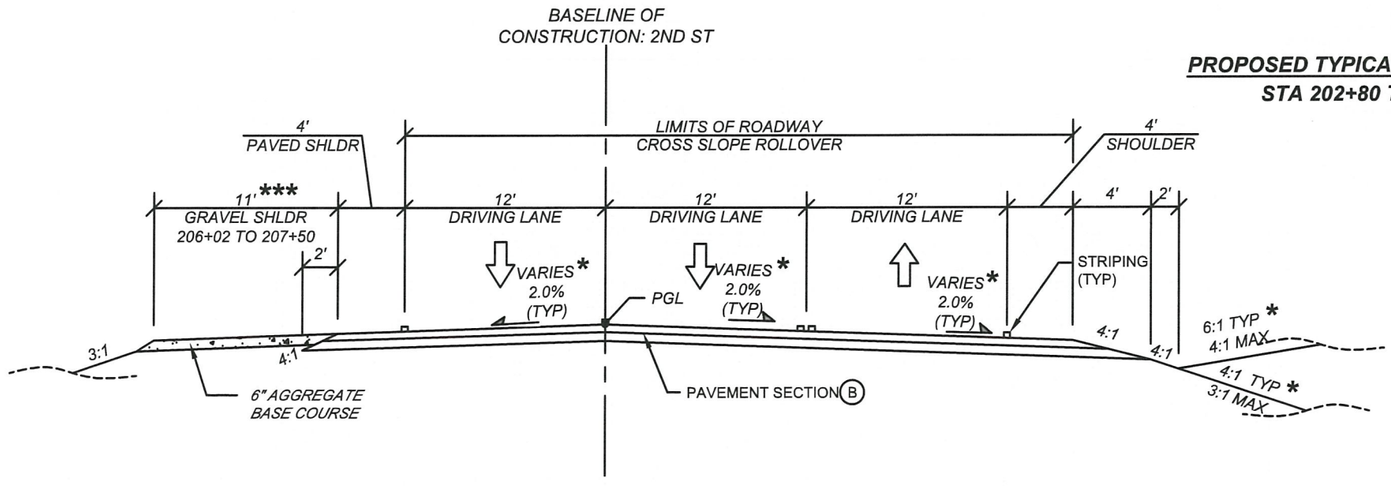
CONSTRUCTION NOTES

1. 2'-7½" STANDARD CURB AND GUTTER PER COA STANDARD DRAWING 2415A, PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
2. MEDIAN CURB AND GUTTER PER COA STANDARD DRAWING 2415B, PAID AS ITEM 609478, CONCRETE VERTICAL CURB & GUTTER, TYPE D 6" X 18"
3. 2'-7½" ESTATE CURB PER COA STANDARD DRAWING 2415A, PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
4. 2'-7½" SLOPED CURB AND GUTTER, TYPE 1 PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"
5. SIDEWALK, PAID AS ITEM 608004 CONCRETE SIDEWALK, 4"



PROPOSED TYPICAL SECTION E: 2ND ST

STA 202+80 TO STA 205+52



PROPOSED TYPICAL SECTION F: 2ND ST

STA 205+52 TO STA 207+55

*** STA 206+85 TO STA 207+50 LT GRAVEL SHOULDER WIDTH TRANSITIONS 11' - 0'

Plans approved by Engineering Review Committee and City Engineer, Sept 12, 2019

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER

24 Sep 2019

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PROPOSED TYPICAL SECTIONS

2nd ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

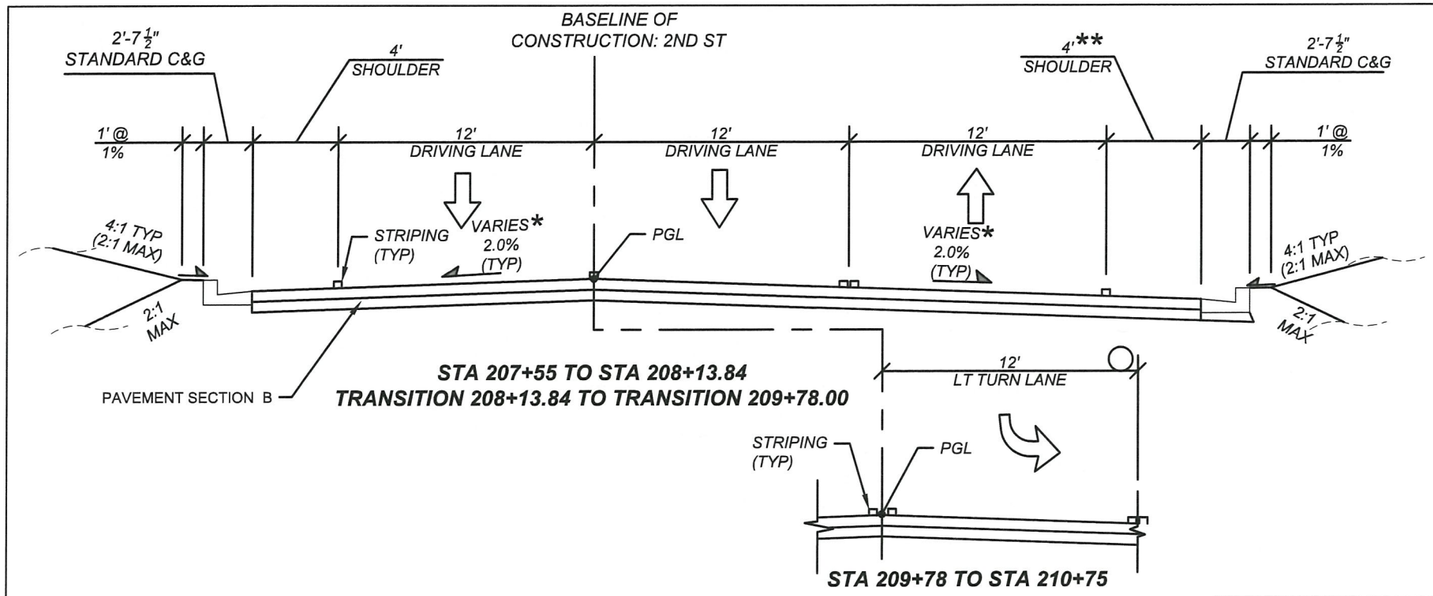
SHEET 2-4 OF

DESIGNED BY:

DRAWING SCALE:

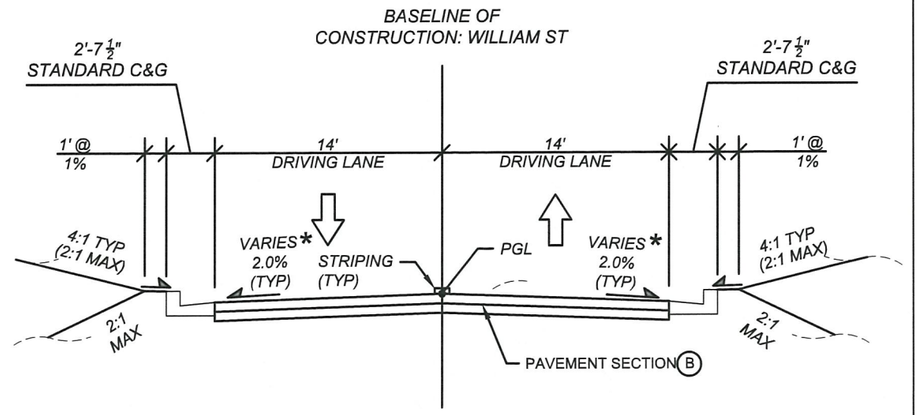
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nm\jordan.thompson3@aecom.com\d0116498\A300161_2-4TS.dwg PLOTTED: 7/24/19 - 10:31am Jordan.Thompson11



STA 207+55 TO STA 208+13.84
TRANSITION 208+13.84 TO TRANSITION 209+78.00

STA 209+78 TO STA 210+75

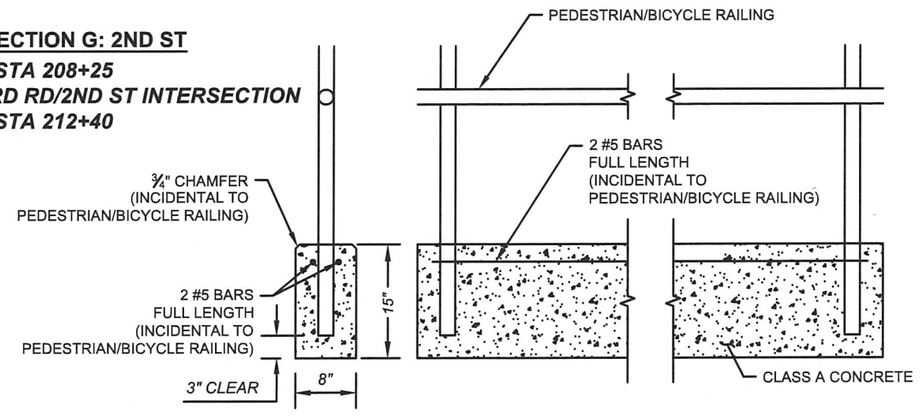


PROPOSED TYPICAL SECTION I: WILLIAM ST

TRANSITION 300+24.00 TO 300+54.40
STA 300+54.40 TO STA 301+12.00

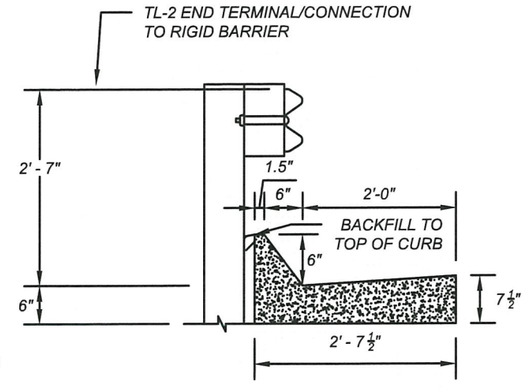
PROPOSED TYPICAL SECTION G: 2ND ST

STA 207+55 TO STA 208+25
STA 208+25 TO 209+50 WOODWARD RD/2ND ST INTERSECTION
STA 209+50 TO STA 212+40



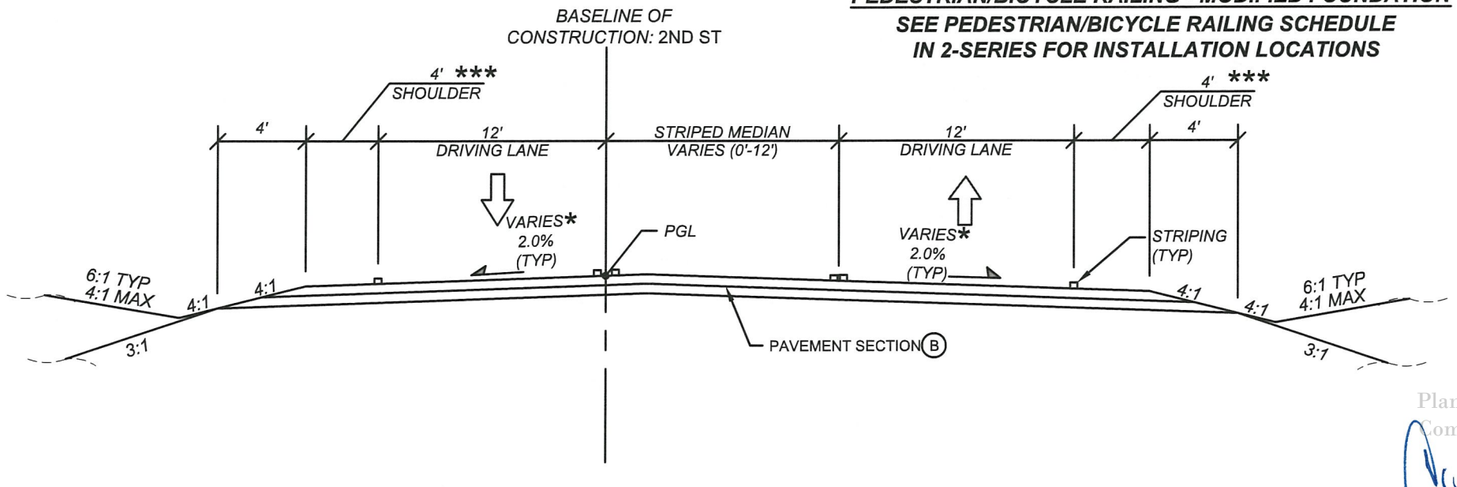
PEDESTRIAN/BICYCLE RAILING - MODIFIED FOUNDATION

SEE PEDESTRIAN/BICYCLE RAILING SCHEDULE IN 2-SERIES FOR INSTALLATION LOCATIONS



CONCRETE SLOPED CURB AND GUTTER, TYPE I

STA 102+35.88 TO STA 102+90.00
NOT TO SCALE



PROPOSED TYPICAL SECTION H: 2ND ST

STA 210+75 TO STA 213+20

* *SEE 13-SERIES, ROADWAY CROSS-SECTIONS FOR MORE INFORMATION*

** *STA 209+60 TO 210+60 SHOULDER WIDTH VARIES 11'-8" TO 4'-0"*

*** *STA 213+90 TO STA 214+15 SHOULDER WIDTH VARIES 4'-0" TO ± 1'-0" (MATCH EXISTING)*

CONSTRUCTION NOTES

1. *2'-7½" STANDARD CURB AND GUTTER PER COA STANDARD DRAWING 2415A, PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"*
2. *MEDIAN CURB AND GUTTER PER COA STANDARD DRAWING 2415B, PAID AS ITEM 609478, CONCRETE VERTICAL CURB & GUTTER, TYPE D 6" X 18"*
3. *2'-7½" ESTATE CURB PER COA STANDARD DRAWING 2415A, PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"*
4. *2'-7½" SLOPED CURB AND GUTTER, TYPE 1 PAID AS ITEM 609462 CONCRETE VERTICAL CURB & GUTTER, TYPE C, 8" X 32"*
5. *SIDEWALK, PAID AS ITEM 608004 CONCRETE SIDEWALK, 4"*

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PROPOSED TYPICAL SECTIONS
2nd ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-5 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

Plans approved for review
Commission of Albuquerque City
Engineer, Sept. 24, 2019

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
24 Jul 2019

60572657 C:\pwworking\aecom_da16_no\jordan.thompson39@aecom.com\d0116496\A300161_2-STS.dwg PLOTTED: 7/24/19 - 10:31am Jordan Thompson11

SURFACING SCHEDULE

	STATION TO STATION		OFFSET SIDE LT/RT	DESCRIPTION	LENGTH (FT)	207000 SUBGRADE PREPARATION		303000 BASE COURSE				423282 HMA SP III						423283 HMA SP IV						407000 ASPHALT MATERIAL FOR TACK COAT		408100 PRIME COAT MATERIAL	
						AVG. WIDTH (FT)	AREA (SY)	AVG. WIDTH (FT)	DEPTH (IN)	VOLUME (CY)	TONS (T)	AVG. WIDTH (FT)	DEPTH (IN)	VOLUME (CY)	TONS* (T)	BITUM. MAT.* (T)	HYDR. LIME* (T)	AVG. WIDTH (FT)	DEPTH (IN)	VOLUME (CY)	TONS* (T)	BITUM. MAT.* (T)	HYDR. LIME* (T)	AVG. WIDTH (FT)	TONS (T)	AVG. WIDTH (FT)	TONS (T)
WOODWARD RD																											
	101+28.71	105+50.00	LT	TYPICAL SECTION A	421.29	19.00	889.39	19.00	8.00	197.64	368.21	19.00	6.00	148.23	296.46	16.01	2.96	19.00	2.00	49.41	98.82	4.94	0.99	38.00	0.59	19.00	1.67
	101+28.71	103+31.00	RT	TYPICAL SECTION A	202.29	27.00	606.87	27.00	8.00	134.86	251.24	27.00	6.00	101.15	202.29	10.92	2.02	27.00	2.00	33.72	67.43	3.37	0.67	54.00	0.40	27.00	1.14
	101+28.71	101+85.88	LT	INTERSECTION - NORTH QUADRANT	57.17	16.00	101.64	16.00	8.00	22.59	42.08	16.00	6.00	16.94	33.88	1.83	0.34	16.00	2.00	5.65	11.29	0.56	0.11	32.00	0.07	16.00	0.19
	101+28.71	102+21.59	RT	INTERSECTION - SOUTH QUADRANT	92.88	27.00	278.64	27.00	8.00	61.92	115.36	27.00	6.00	46.44	92.88	5.02	0.93	27.00	2.00	15.48	30.96	1.55	0.31	54.00	0.19	27.00	0.52
	103+31.00	103+81.00	RT	TYP SECTION A-BIKE LANE TRANSITION	50.00	25.50	141.67	25.50	8.00	31.48	58.65	25.50	6.00	23.61	47.22	2.55	0.47	25.50	2.00	7.87	15.74	0.79	0.16	51.00	0.09	25.50	0.27
	103+81.00	105+50.00	RT	TYPICAL SECTION A	169.00	24.00	450.67	24.00	8.00	100.15	186.58	24.00	6.00	75.11	150.22	8.11	1.50	24.00	2.00	25.04	50.07	2.50	0.50	48.00	0.30	24.00	0.85
	105+50.00	109+24.67	LT	TYPICAL SECTION B	374.67	19.00	790.97	19.00	8.00	175.77	327.46	19.00	6.00	131.83	263.66	14.24	2.64	19.00	2.00	43.94	87.89	4.39	0.88	38.00	0.53	19.00	1.48
	105+50.00	109+24.67	RT	TYPICAL SECION B	374.67	24.00	999.12	24.00	8.00	222.03	413.64	24.00	6.00	166.52	333.04	17.98	3.33	24.00	2.00	55.51	111.01	5.55	1.11	48.00	0.67	24.00	1.87
	109+24.67	109+72.70	LT	TYPICAL SECION C	48.03	14.17	75.62	14.17	8.00	16.80	31.31	14.17	6.00	12.60	25.21	1.36	0.25	14.17	2.00	4.20	8.40	0.42	0.08	28.34	0.05	14.17	0.14
	109+24.67	109+72.70	RT	TYPICAL SECTION C	48.03	19.17	102.30	19.17	8.00	22.73	42.35	19.17	6.00	17.05	34.10	1.84	0.34	19.17	2.00	5.68	11.37	0.57	0.11	38.34	0.07	19.17	0.19
	109+72.70	110+34.14	LT/RT	BETWEEN RAILROAD TRACK PANELS	61.44	15.11	103.15	15.11	8.00	22.92	42.70	15.11	6.00	17.19	34.38	1.86	0.34	15.11	2.00	5.73	11.46	0.57	0.11	30.22	0.07	15.11	0.19
	110+34.14	111+11.50	LT/RT	TYPICAL SECTION C	77.36	37.86	325.43	37.86	8.00	72.32	134.73	37.86	6.00	54.24	108.48	5.86	1.08	37.86	2.00	18.08	36.16	1.81	0.36	75.72	0.22	37.86	0.61
	111+11.50	126+75.00	LT/RT	TYPICAL SECTION B	1563.50	48.00	8338.67	48.00	8.00	1,853.04	3452.21	48.00	6.00	1,389.78	2779.56	150.10	27.80	48.00	2.00	463.26	926.52	46.33	9.27	96.00	5.56	48.00	15.64
2ND ST																											
	202+00.00	202+80.00	LT/RT	TYPICAL SECTION D	80.00	31.10	276.44	31.10	6.00	46.07	85.84	31.10	3.00	23.04	46.07	2.49	0.46	31.10	3.00	23.04	46.07	2.30	0.46	31.10	0.09	31.10	0.52
	202+00.00	202+80.00	LT	TAPER (4:1)	80.00	4.35	38.67	3.26	6.00	4.83	9.00	1.63	3.00	1.21	2.42	0.13	0.02	0.54	3.00	0.40	0.81	0.04	0.01	1.63	0.00	1.63	0.04
	202+00.00	202+80.00	RT	TAPER (4:1)	80.00	4.35	38.67	3.26	6.00	4.83	9.00	1.63	3.00	1.21	2.42	0.13	0.02	0.54	3.00	0.40	0.81	0.04	0.01	1.63	0.00	1.63	0.04
	202+80.00	205+52.00	LT/RT	TYPICAL SECTION E	272.00	38.65	1168.09	38.65	6.00	194.68	362.69	38.65	3.00	97.34	194.68	10.51	1.95	38.65	3.00	97.34	194.68	9.73	1.95	38.65	0.39	38.65	2.19
	202+80.00	205+52.00	LT	TAPER (4:1)	272.00	4.35	131.47	3.26	6.00	16.43	30.61	1.63	3.00	4.11	8.22	0.44	0.08	0.54	3.00	1.37	2.74	0.14	0.03	1.63	0.01	1.63	0.12
	202+80.00	205+52.00	RT	TAPER (4:1)	272.00	4.35	131.47	3.26	6.00	16.43	30.61	1.63	3.00	4.11	8.22	0.44	0.08	0.54	3.00	1.37	2.74	0.14	0.03	1.63	0.01	1.63	0.12
	205+52.00	207+55.00	LT/RT	TYPICAL SECTION F	203.00	43.63	984.10	43.63	6.00	164.02	305.56	43.63	3.00	82.01	164.02	8.86	1.64	43.63	3.00	82.01	164.02	8.20	1.64	43.63	0.33	43.63	1.85
	205+93.01	207+50.00	LT	GRAVEL TURN LANE	156.99	8.58	149.66	8.58	6.00	24.94	46.47																
	205+52.00	207+55.00	LT	TAPER (4:1)	203.00	4.35	98.12	3.26	6.00	12.26	22.85	1.63	3.00	3.07	6.13	0.33	0.06	0.54	3.00	1.02	2.05	0.10	0.02	1.63	0.01	1.63	0.09
	205+52.00	207+55.00	RT	TAPER (4:1)	203.00	4.35	98.12	3.26	6.00	12.26	22.85	1.63	3.00	3.07	6.13	0.33	0.06	0.54	3.00	1.02	2.05	0.10	0.02	1.63	0.01	1.63	0.09
	207+55.00	208+25.00	LT/RT	TYPICAL SECTION G	70.00	44.09	342.92	44.09	6.00	57.15	106.48	44.09	3.00	28.58	57.15	3.09	0.57	44.09	3.00	28.58	57.15	2.86	0.57	44.09	0.11	44.09	0.64
	208+25.00	209+50.00	LT/RT	WOODWARD INTERSECTION	125.00	53.63	744.86	53.63	6.00	124.14	231.28	53.63	3.00	62.07	124.14	6.70	1.24	53.63	3.00	62.07	124.14	6.21	1.24	53.63	0.25	53.63	1.40
	209+50.00	212+40.00	LT/RT	TYPICAL SECTION G	290.00	42.91	1382.66	42.91	6.00	230.44	429.31	42.91	3.00	115.22	230.44	12.44	2.30	42.91	3.00	115.22	230.44	11.52	2.30	42.91	0.46	42.91	2.59
	212+40.00	214+15.00	LT/RT	TYPICAL SECTION H	175.00	32.34	628.83	32.34	6.00	104.81	195.25	32.34	3.00	52.40	104.81	5.66	1.05	32.34	3.00	52.40	104.81	5.24	1.05	32.34	0.21	32.34	1.18
	212+40.00	214+15.00	LT	TAPER (4:1)	175.00	4.35	84.58	3.26	6.00	10.57	19.69	1.63	3.00	2.64	5.29	0.29	0.05	0.54	3.00	0.88	1.76	0.09	0.02	1.63	0.01	1.63	0.08
	212+40.00	214+15.00	RT	TAPER (4:1)	175.00	4.35	84.58	3.26	6.00	10.57	19.69	1.63	3.00	2.64	5.29	0.29	0.05	0.54	3.00	0.88	1.76	0.09	0.02	1.63	0.01	1.63	0.08
WILLIAM ST																											
	300+24.00	301+12.07	LT/RT	TYPICAL SECTION I	88.07	28.00	274.00	28.00	6.00	45.67	85.08	28.00	3.00	22.83	45.67	2.47	0.46	28.00	3.00	22.83	45.67	2.28	0.46	28.00	0.09	28.00	0.51
	300+24.00	300+40.83	LT	INTERSECTION - WEST QUADRANT	16.83	3.75	7.01	3.75	6.00	1.17	2.18	3.75	3.00	0.58	1.17	0.06	0.01	3.75	3.00	0.58	1.17	0.06	0.01	3.75	0.00	3.75	0.01
	300+24.00	300+54.40	RT	INTERSECTION - EAST QUADRANT	30.40	5.92	20.00	5.92	6.00	3.33	6.21	5.92	3.00	1.67	3.33	0.18	0.03	5.92	3.00	1.67	3.33	0.17	0.03	5.92	0.01	5.92	0.04
SHARED USE PATH																											
	101+58.16	109+46.00	LT	SHARED USE PATH	787.84	10.00	875.38	10.00	3.00	72.95	135.90	0.00	0.00	0.00	0.00	0.00	0.00	10.00	3.00	72.95	145.90	7.29	1.46	0.00	0.03	0.00	0.36

*** FOR INFORMATION ONLY**

ESTIMATED SURFACING FACTORS

ITEM	BITUMINOUS MATERIAL: PG 70-22 % BY WT. OF TOTAL MIX	PG 70-28+ % BY WT. OF TOTAL MIX	SEC. 407 GAL. PER SQ. YD.	SEC. 408 GAL. PER SQ. YD.	HYDRATED LIME % BY WT. OF TOTAL MIX	GALLONS PER TON	UNIT WEIGHT LBS PER CU. YD.
HMA SP-III	5.4% **				1.0% **		4000 **
HMA SP-IV	5.0% **				1.0% **		4000 **
BITUMINOUS MATERIAL FOR TACK COAT			0.08 *			240.00	
PRIME COAT MATERIAL				0.45 *		240.00	
BASE COURSE							3726 ***

*** FOR ESTIMATING PURPOSES ONLY, APPLICATION RATE WILL BE DETERMINED IN THE FIELD BY THE PROJECT MANAGER.**
**** FOR ESTIMATING PURPOSES ONLY, ACTUAL WEIGHTS OR PERCENT SHALL BE DETERMINED BY APPROVED MIX DESIGN.**
***** FOR ESTIMATING PURPOSES ONLY, WEIGHTS OR PERCENT WILL BE DETERMINED BY THE APPROVED MIX DESIGN**

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER

24 Jul 2019

Plans approved by Albuquerque Bernalillo County Engineering Review Committee and Albuquerque Bernalillo County Engineering Review Committee. Sept. 27, 2019.

DESIGNED BY:

DRAWING SCALE:

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
SURFACING SCHEDULE
1 OF 2

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-6 OF

NMDOT CN: A300161

60572657 C:\ieworking\ecom_ds16_na\jordan.thompson3@aecom.com\d0116496\A300161_2-6_TSS.dwg PLOTTED: 7/24/19 - 10:31am Jordan.Thompson11

SURFACING SCHEDULE

	STATION TO STATION		OFFSET SIDE LT/RT	DESCRIPTION	LENGTH (FT)	207000 SUBGRADE PREPARATION		303000 BASE COURSE				423282 HMA SP III						423283 HMA SP IV						407000 ASPHALT MATERIAL FOR TACK COAT		408100 PRIME COAT MATERIAL	
						AVG. WIDTH (FT)	AREA (SY)	AVG. WIDTH (FT)	DEPTH (IN)	VOLUME (CY)	TONS (T)	AVG. WIDTH (FT)	DEPTH (IN)	VOLUME (CY)	TONS* (T)	BITUM. MAT.* (T)	HYDR. LIME* (T)	AVG. WIDTH (FT)	DEPTH (IN)	VOLUME (CY)	TONS* (T)	BITUM. MAT.* (T)	HYDR. LIME* (T)	AVG. WIDTH (FT)	TONS (T)	AVG. WIDTH (FT)	TONS (T)
TURNOUTS																											
TO-10270RT	102+54.59	103+14.59	RT	BEHIND DRIVEPAD	60.00	14.37	95.80	14.37	4.00	10.64	19.83							14.37	3.00	7.98	15.97	0.80	0.16			14.37	0.18
TO-10390LT	103+72.05	104+00.05	LT	BEHIND DRIVEPAD	28.00	16.48	51.27	16.48	4.00	5.70	10.61							16.48	3.00	4.27	8.55	0.43	0.09			16.48	0.10
TO-10450LT	104+27.83	104+72.83	LT	BEHIND DRIVEPAD	45.00	8.37	41.85	8.37	4.00	4.65	8.66							8.37	3.00	3.49	6.98	0.35	0.07			8.37	0.08
TO-10730RT	107+25.62	107+39.62	RT	BEHIND DRIVEPAD	14.00	19.07	29.66	19.07	4.00	3.30	6.14							19.07	3.00	2.47	4.94	0.25	0.05			19.07	0.06
TO-10910LT	109+07.50	109+21.50	LT	BEHIND DRIVEPAD	14.00	23.80	37.02	23.80	4.00	4.11	7.66							23.80	3.00	3.09	6.17	0.31	0.06			23.80	0.07
TO-11160LT	111+58.21	111+68.21	LT	BEHIND DRIVEPAD	10.00	13.94	15.49	13.94	4.00	1.72	3.21							13.94	3.00	1.29	2.58	0.13	0.03			13.94	0.03
TO-11190LT	111+86.99	111+96.99	LT	BEHIND DRIVEPAD	10.00	11.44	12.71	11.44	4.00	1.41	2.63							11.44	3.00	1.06	2.12	0.11	0.02			11.44	0.02
TO-11210RT	111+92.76	112+31.76	RT	FULL DEPTH RECONSTRUCTION	39.00	41.11	178.14	41.11	4.00	19.79	36.88							41.11	3.00	14.85	29.69	1.48	0.30			41.11	0.33
TO-11240LT	112+31.20	112+47.52	LT	BEHIND DRIVEPAD	16.32	9.45	17.14	9.45	4.00	1.90	3.55							9.45	3.00	1.43	2.86	0.14	0.03			9.45	0.03
TO-11250LT	112+47.52	112+58.59	LT	BEHIND DRIVEPAD	11.07	4.55	5.60	4.55	4.00	0.62	1.16							4.55	3.00	0.47	0.93	0.05	0.01			4.55	0.01
TO-11280LT	112+78.00	112+90.00	LT	BEHIND DRIVEPAD	12.00	6.06	8.08	6.06	4.00	0.90	1.67							6.06	3.00	0.67	1.35	0.07	0.01			6.06	0.02
TO-11340RT	113+20.12	113+60.12	RT	BEHIND DRIVEPAD	40.00	8.38	37.24	8.38	4.00	4.14	7.71							8.38	3.00	3.10	6.21	0.31	0.06			8.38	0.07
TO-11390RT	113+76.12	114+26.12	RT	BEHIND DRIVEPAD	50.00	7.38	41.00	7.38	4.00	4.56	8.49							7.38	3.00	3.42	6.83	0.34	0.07			7.38	0.08
TO-11510RT	114+79.73	115+25.73	RT	BEHIND DRIVEPAD	46.00	5.38	27.50	5.38	4.00	3.06	5.69							5.38	3.00	2.29	4.58	0.23	0.05			5.38	0.05
TO-11560RT	115+41.73	115+67.73	RT	BEHIND DRIVEPAD	26.00	5.38	15.54	5.38	4.00	1.73	3.22							5.38	3.00	1.30	2.59	0.13	0.03			5.38	0.03
TO-11630RT	115+97.36	116+53.36	RT	BEHIND DRIVEPAD	56.00	5.38	33.48	5.38	4.00	3.72	6.93							5.38	3.00	2.79	5.58	0.28	0.06			5.38	0.06
TO-11740LT	117+28.53	117+60.53	LT	BEHIND DRIVEPAD	32.00	15.98	56.82	15.98	4.00	6.31	11.76							15.98	3.00	4.73	9.47	0.47	0.09			15.98	0.11
TO-11790RT	117+73.00	117+97.00	RT	BEHIND DRIVEPAD	24.00	6.18	16.48	6.18	4.00	1.83	3.41							6.18	3.00	1.37	2.75	0.14	0.03			6.18	0.03
TO-11910LT	118+83.50	119+28.50	LT	BEHIND DRIVEPAD	45.00	7.38	36.90	7.38	4.00	4.10	7.64							7.38	3.00	3.08	6.15	0.31	0.06			7.38	0.07
TO-11920RT	119+07.00	119+27.00	RT	BEHIND DRIVEPAD	20.00	5.40	12.00	5.40	4.00	1.33	2.48							5.40	3.00	1.00	2.00	0.10	0.02			5.40	0.02
TO-12370RT	123+61.32	123+81.32	RT	BEHIND DRIVEPAD	20.00	5.60	12.44	5.60	4.00	1.38	2.58							5.60	3.00	1.04	2.07	0.10	0.02			5.60	0.02
TO-12430LT	124+17.52	124+45.10	LT	BEHIND DRIVEPAD	27.58	5.58	17.10	5.58	4.00	1.90	3.54							5.58	3.00	1.42	2.85	0.14	0.03			5.58	0.03
TO-12460RT	124+45.10	124+64.81	LT	BEHIND DRIVEPAD	19.71	7.26	15.90	7.26	4.00	1.77	3.29							7.26	3.00	1.32	2.65	0.13	0.03			7.26	0.03
TO-12550LT	125+39.34	125+55.34	LT	BEHIND DRIVEPAD	16.00	5.81	10.33	5.81	4.00	1.15	2.14							5.81	3.00	0.86	1.72	0.09	0.02			5.81	0.02
TO-12640RT	126+36.50	126+52.50	RT	BEHIND DRIVEPAD	16.00	7.38	13.12	7.38	4.00	1.46	2.72							7.38	3.00	1.09	2.19	0.11	0.02			7.38	0.02
TO-12660LT	126+48.87	126+64.87	LT	BEHIND DRIVEPAD	16.00	5.00	8.89	5.00	4.00	0.99	1.84							5.00	3.00	0.74	1.48	0.07	0.01			5.00	0.02
TO-20320RT	203+02.56	203+46.77	RT	FULL DEPTH RECONSTRUCTION	44.21	9.50	46.67	9.50	4.00	5.19	9.66							9.50	3.00	3.89	7.78	0.39	0.08			9.50	0.09
TO-20440RT	204+14.73	204+62.18	RT	FULL DEPTH RECONSTRUCTION	47.45	12.75	67.22	12.75	4.00	7.47	13.91							12.75	3.00	5.60	11.20	0.56	0.11			12.75	0.13
TO-20570LT	205+36.37	206+07.58	LT	FULL DEPTH RECONSTRUCTION	71.21	14.76	116.78	14.76	4.00	12.98	24.17							14.76	3.00	9.73	19.46	0.97	0.19			14.76	0.22
TO-21270LT	212+43.37	213+06.05	LT	FULL DEPTH RECONSTRUCTION	62.68	15.35	106.90	15.35	4.00	11.88	22.13							15.35	3.00	8.91	17.82	0.89	0.18			15.35	0.20
TO-21350RT	213+23.98	213+61.20	RT	FULL DEPTH RECONSTRUCTION	37.22	10.59	43.80	10.59	4.00	4.87	9.07							10.59	3.00	3.65	7.30	0.36	0.07			10.59	0.08
				PROJECT TOTAL			21992.62				7877.44			5416.96	292.52	54.17				2804.03	140.20	28.04		10.84		39.01
				PROJECT USE			***23100.00***				***8280.00***			***5690.00***	***310.00***	***60.00***				***2950.00***	***150.00***	***30.00***		***15.00***		***45.00***

* **FOR INFORMATION ONLY**

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
SURFACING SCHEDULE
2 OF 2

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-7 OF

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee and Albuquerque City Engineer

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson30\aecom.com\d0116496\A300161_2-6_7SS.dwg PLOTTED: 7/24/19 - 10:31am Jordan.Thompson11

ESTIMATED STRUCTURE QUANTITIES (1/3)

ID	STATION	OFF. (FT.)		STRUCTURE NOTES	203000 UNCLASSIFIED EXCAVATION C.Y.	207000 SUBGRADE PREPARATION S.Y.	303160 BASE COURSE 6" S.Y.	515000 REINF.CONCRETE FOR MINOR STRUCTURES C.Y.	570437 24" STORM DRAIN CULVERT PIPE L.F.	570441 24" STORM DRAIN CULVERT PIPE END SECTION EACH	602000 RIPRAP CLASS A C.Y.	623201 MODIFIED MEDIAN DROP INLET, TYPE I EACH	623391 CURB INLET SINGLE TYPE A 4' TO 8' EACH	623394 CURB INLET SINGLE TYPE C, OVER 4' EACH	662000 MANHOLE TYPE C-4' DIAMETER 0' TO 6' DEPTH EACH	662010 MANHOLE TYPE C-6' DIAMETER 0' TO 6' DEPTH EACH	662062 MANHOLE TYPE E-4' DIAMETER OVER 6' TO 10' DEPTH EACH	662072 MANHOLE TYPE E-6' DIAMETER OVER 6' TO 10' DEPTH EACH	662074 MANHOLE TYPE E-6' DIAMETER OVER 10' TO 14' DEPTH EACH	662100 SPECIAL MANHOLE EACH	662450 TIE TO EXISTING MANHOLE EACH
DI-10	101+90.28	21.00	LT.	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.96' CONNECT TO MH-10 W/ 1 - 24" X 10.00' RCP CL. III @ 0.5%					10				1									
DI-11	101+93.61	31.63	RT.	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.69' CONNECT TO MH-10 W/ 1 - 24" X 42.76' RCP CL. III @ 0.5%					44				1									
MH-10	101+90.28	11.00	LT.	BUILD 1 - 6' DIA. MANHOLE TYPE C, H=5.60' CONNECT TO MH-4 W/ 1 - 24" X 91.81' RCP CL. III @ 0.4%					92							1						
DI-12	103+50.00	21.00	LT.	BUILD 1 - COA TYPE SINGLE C INLET, H=5.05' CONNECT TO MH-11 W/ 1 - 24" X 10.00' RCP CL. III @ 0.5%					10					1								
MH-11	103+50.00	11.00	LT.	BUILD 1 - 4' DIA. MANHOLE TYPE C, H=5.70' CONNECT TO MH-10 W/ 1 - 24" X 159.72' RCP CL. III @ 0.4%					160						1							
DI-13 **	106+09.86	25.00	LT.	BUILD 1 - COA TYPE DOUBLE D INLET, H=4.53' CONNECT TO DI-14 W/ 1 - 24" X 5.83' RCP CL. III @ 0.5%					6			1										
DI-14 **	106+09.86	19.17	LT.	BUILD 1 - COA TYPE SINGLE D INLET, H=5.87' CONNECT TO MH-12 W/ 1 - 24" X 8.17' RCP CL. III @ 0.5%					10			1										
DI-15	106+09.86	26.00	RT.	BUILD 1 - COA TYPE SINGLE A INLET, H=5.63' CONNECT TO MH-12 W/ 1 - 24" X 37.00' RCP CL. III @ 0.5%					38				1									
MH-12	106+09.86	11.00	LT.	BUILD 1 - 4' DIA. MANHOLE TYPE E, H=6.11' CONNECT TO MH-11 W/ 1 - 24" X 259.86' RCP CL. III @ 0.4%					260									1				
EX MH-1 *	110+48.66	16.01	RT.	EXISTING 4' DIA. MANHOLE- IN PLACE ADJUST RIM TO GRADE																		
DI-18 ***	111+30.96	26.00	LT.	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=10.63' CONNECT TO MH-19 W/ 1 - 24" X 41.64' RCP CL. III @ 0.5%					42				1									
DI-19	111+30.96	26.00	RT.	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.75' CONNECT TO MH-19 W/ 1 - 24" X 10.36' RCP CL. III @ 0.5%					12				1									
MH-19	111+30.96	15.64	RT.	BUILD 1 - 6' DIA. MANHOLE TYPE E, H=11.81' CONNECT TO EX. 1 - 36" RCP EAST AND WEST																1		2
EX MH-2 *	114+23.00	14.34	RT.	EXISTING 4' DIA. MANHOLE - IN PLACE ADJUST RIM TO GRADE																		
DI-20***	114+66.73	26.00	LT.	BUILD 1 - COA TYPE SINGLE A INLET, H=8.63' CONNECT TO MH-20 W/ 1 - 24" X 40.33' RCP CL. III @ 0.5%					42				1									
DI-21	114+66.73	26.00	RT.	BUILD 1 - COA TYPE SINGLE A INLET, H=5.23' CONNECT TO MH-20 W/ 1 - 24" X 11.67' RCP CL. III @ 0.5%					12				1									
MH-20	114+66.73	14.33	RT.	BUILD 1 - 6' DIA. MANHOLE TYPE E, H=11.32' CONNECT TO EX. 1 - 36" RCP EAST AND WEST																1		2
				SUBTOTAL	0	0	0	0	738	0	0	2	7	1	1	1	1	0	2	0	4	

*REFER TO MISCELLANEOUS QUANTITIES SHEETS FOR MANHOLE ADJUSTMENT QUANTITIES.

**CITY OF ALBUQUERQUE TYPE D INLETS SHALL BE PAID FOR AS ITEM NO. 623201 MODIFIED MEDIAN DROP INLET, TYPE I.

***CITY OF ALBUQUERQUE SINGLE TYPE A INLET WITH HEIGHT GREATER THAN 8' SHALL BE PAID FOR AS ITEM NO. 623391 CURB INLET SINGLE TYPE A 4' TO 8'

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER

Plans approved by Design Review Committee of the Albuquerque City Engineer 7-24-19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ESTIMATED STRUCTURE QUANTITIES

1 OF 3

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-8 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657. C:\Users\USA5671341\appdata\local\temp\AcPublish_5344\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 4:02pm USA5671341

ESTIMATED STRUCTURE QUANTITIES (2/3)

ID	STATION	OFF. (FT.)		STRUCTURE NOTES	203000 UNCLASSIFIED EXCAVATION C.Y.	207000 SUBGRADE PREPARATION S.Y.	303160 BASE COURSE 6" S.Y.	515000 REINF.CONCRETE FOR MINOR STRUCTURES C.Y.	570437 24" STORM DRAIN CULVERT PIPE L.F.	570441 24" STORM DRAIN CULVERT PIPE END SECTION EACH	602000 RIPRAP CLASS A C.Y.	623201 MODIFIED MEDIAN DROP INLET, TYPE I EACH	623391 CURB INLET SINGLE TYPE A 4' TO 8' EACH	623394 CURB INLET SINGLE TYPE C, OVER 4' EACH	662000 MANHOLE TYPE C-4' DIAMETER 0' TO 6' DEPTH EACH	662010 MANHOLE TYPE C-6' DIAMETER 0' TO 6' DEPTH EACH	662062 MANHOLE TYPE E-4' DIAMETER OVER 6' TO 10' DEPTH EACH	662072 MANHOLE TYPE E-6' DIAMETER OVER 6' TO 10' DEPTH EACH	662074 MANHOLE TYPE E-6' DIAMETER OVER 10' TO 14' DEPTH EACH	662100 SPECIAL MANHOLE EACH	662450 TIE TO EXISTING MANHOLE EACH
EX MH-3 *	117+77.94	14.25	RT.	EXISTING 4' DIA. MANHOLE - IN PLACE ADJUST RIM TO GRADE																	
SLOTTED DRAIN	117+83.78	25.88	LT.	REMOVE EXISTING SLOTTED DRAIN AND 12" HDPE PIPE TO ROW CAP EXISTING 12" HDPE PIPE AT ROW WITH C.I.P. PLUG.				0.5													
DI-22	118+63.29	26.00	RT.	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.72' CONNECT TO MH-21 W/ 1 - 24" X 11.35' RCP CL. III @ 0.5%					12				1								
DI-28 **	118+63.29	37.15	LT.	BUILD 1 - COA TYPE SINGLE D INLET, H=3.37' CONNECT TO DI-23 W/ 1 - 24" X 11.15' RCP CL. III @ 0.5%					12			1									
DI-23 ***	118+63.29	26.00	LT.	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=8.51' CONNECT TO MH-21 W/ 1 - 24" X 40.65' RCP CL. III @ 0.5%					42				1								
MH-21	118+63.30	14.65	RT.	BUILD 1 - 6' DIA. MANHOLE TYPE E, H=9.99' CONNECT TO EX. 1 - 36" RCP EAST AND WEST															1		2
EX MH-4	121+60.45	15.54	RT.	EXISTING 4' DIA. MANHOLE - IN PLACE ADJUST RIM TO GRADE REMOVE EXISTING DROP INLET AND EXISTING 1 - 18" X 33.75' RCP LT. C.I.P. PLUG PIPE 2' FROM MANHOLE				0.5													
DI-24	122+81.01	26.00	LT.	BUILD 1 - COA TYPE SINGLE C INLET, H=7.55' CONNECT TO MH-22 W/ 1 - 24" X 40.90' RCP CL. III @ 0.5%					42					1							
DI-25	122+81.01	26.00	RT.	BUILD 1 - COA TYPE SINGLE C INLET, H=4.72' CONNECT TO MH-22 W/ 1 - 24" X 11.10' RCP CL. III @ 0.5%					12					1							
MH-22	122+81.01	14.90	RT.	BUILD 1 - 6' DIA. MANHOLE TYPE E, H=10.23' CONNECT TO EX. 1 - 36" RCP EAST AND WEST																1	2
DI-29 **	125+04.63	34.99	LT.	BUILD 1 - COA TYPE SINGLE D INLET, H=3.64' CONNECT TO DI-26 W/ 1 - 24" X 13.79' RCP CL. III @ 0.5%					14			1									
DI-26	125+15.00	26.00	LT.	BUILD 1 - COA TYPE SINGLE C INLET, H=8.70' CONNECT TO MH-23 W/ 1 - 24" X 51.25' RCP CL. III @ 0.5%					52					1							
DI-27	125+34.02	26.00	RT.	BUILD 1 - COA TYPE SINGLE C INLET, H=4.78' CONNECT TO MH-23 W/ 1 - 24" X 18.25' RCP CL. III @ 0.5%					20					1							
MH-23	125+47.12	13.51	RT.	REMOVE EXISTING MANHOLE REMOVE EXISTING DROP INLET AND EXISTING 1 - 18" X 89.21' RCP LT. BUILD 1 - 6' DIA. MODIFIED WATER QUALITY MANHOLE TYPE E, H=13.68', SEE SHEET 2-32 FOR DETAILS CONNECT TO EX. 1 - 36" RCP WEST AND SOUTHEAST																1	2
2ND ST POND	202+75.16	73.48	LT.	BUILD POND - SEE SHEET 2-21A	3,003	695	695														
				SUBTOTAL	3,003	695	695	1	206	0	0	2	2	4	0	0	0	1	1	1	6

*REFER TO MISCELLANEOUS QUANTITIES SHEETS FOR MANHOLE ADJUSTMENT QUANTITIES.

**CITY OF ALBUQUERQUE TYPE D INLETS SHALL BE PAID FOR AS ITEM NO. 623201 MODIFIED MEDIAN DROP INLET, TYPE I.

***CITY OF ALBUQUERQUE SINGLE TYPE A INLET WITH HEIGHT GREATER THAN 8' SHALL BE PAID FOR AS ITEM NO. 623391 CURB INLET SINGLE TYPE A 4' TO 8'

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER

Plans approved by Design Review Committee - Albuquerque, NM
Engineer: 7-24-19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ESTIMATED STRUCTURE QUANTITIES
2 OF 3

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-9 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\secom_ds16_no\.sd12259\.d0116493\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 4:19pm USASB71341

ESTIMATED STRUCTURE QUANTITIES (3/3)

ID	STATION	OFF. (FT.)		STRUCTURE NOTES	203000 UNCLASSIFIED EXCAVATION C.Y.	207000 SUBGRADE PREPARATION S.Y.	303160 BASE COURSE 6" S.Y.	515000 REINF.CONCRETE FOR MINOR STRUCTURES C.Y.	570437 24" STORM DRAIN CULVERT PIPE L.F.	570441 24" STORM DRAIN CULVERT PIPE END SECTION EACH	602000 RIPRAP CLASS A C.Y.	623201 MODIFIED MEDIAN DROP INLET, TYPE I EACH	623391 CURB INLET SINGLE TYPE A 4' TO 8' EACH	623394 CURB INLET SINGLE TYPE C, OVER 4' EACH	662000 MANHOLE TYPE C-4' DIAMETER 0' TO 6' DEPTH EACH	662010 MANHOLE TYPE C-6' DIAMETER 0' TO 6' DEPTH EACH	662062 MANHOLE TYPE E-4' DIAMETER OVER 6' TO 10' DEPTH EACH	662072 MANHOLE TYPE E-6' DIAMETER OVER 6' TO 10' DEPTH EACH	662074 MANHOLE TYPE E-6' DIAMETER OVER 10' TO 14' DEPTH EACH	662100 SPECIAL MANHOLE EACH	662450 TIE TO EXISTING MANHOLE EACH
MH-1	202+88.47	6.50	LT.	BUILD 1 - 4' DIA. MANHOLE TYPE E, H=9.51' CONNECT TO 2ND ST POND W/ 1 - 24" X 69.34' RCP CL. III @ 0.2% BUILD 24" RCP END SECTION AT OUTLET LT. BUILD 9'W X 12'L RIPRAP EROSION CONTROL PAD AT OUTLET LT.					70	1	4.0						1				
DI-2 **	204+67.29	23.57	RT.	BUILD 1 - COA TYPE SINGLE D INLET, H=3.75' CONNECT TO MH-2 W/ 1 - 24" X 24.13' RCP CL. III @ 0.5%					26			1									
MH-2	204+69.29	0.50	LT.	BUILD 1 - 4' DIA. MANHOLE TYPE E, H=8.44' CONNECT TO MH-1 W/ 1 - 24" X 181.25' RCP CL. III @ 0.2%					182									1			
DI-3	208+01.29	18.00	LT.	BUILD 1 - COA TYPE SINGLE A INLET, H=7.09' CONNECT TO MH-3 W/ 1 - 24" X 22.83' RCP CL. III @ 0.5%					24				1								
DI-4	208+01.29	30.00	RT.	BUILD 1 - COA TYPE SINGLE A INLET, H=4.71' CONNECT TO MH-3 W/ 1 - 24" X 24.00' RCP CL. III @ 0.5%					24				1								
MH-3	208+01.29	6.00	RT.	BUILD 1 - 4' DIA. MANHOLE TYPE E, H=7.88' CONNECT TO MH-2 W/ 1 - 24" X 331.82' RCP CL. III @ 0.2%					332									1			
DI-8	208+61.35	18.00	LT.	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=6.76' CONNECT TO MH-4 W/ 1 - 24" X 24.00' RCP CL. III @ 0.5%					24				1								
MH-4	208+61.35	6.00	RT.	BUILD 1 - 6' DIA. MANHOLE TYPE E, H=7.66' CONNECT TO MH-3 W/ 1 - 24" X 60.06' RCP CL. III @ 0.2%					62										1		
DI-5	209+79.26	30.00	RT.	BUILD 1 - COA TYPE SINGLE A INLET, H=5.28' CONNECT TO MH-5 W/ 1 - 24" X 24.00' RCP CL. III @ 0.5%					24				1								
DI-6 **	209+79.26	42.31	RT.	BUILD 1 - COA TYPE SINGLE D INLET, H=3.00' CONNECT TO DI-5 W/ 1 - 24" X 12.31' RCP CL. III @ 0.5%					14			1									
MH-5	209+79.26	6.00	RT.	BUILD 1 - 6' DIA. MANHOLE TYPE E, H=7.17' CONNECT TO MH-4 W/ 1 - 24" X 117.90' RCP CL. III @ 0.6%					118										1		
DI-7	211+77.32	25.90	RT.	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.50' CONNECT TO MH-6 W/ 1 - 24" X 19.95' RCP CL. III @ 0.5%					20				1								
MH-6	211+75.88	6.00	RT.	BUILD 1 - 4' DIA. MANHOLE TYPE C, H=5.52' CONNECT TO MH-5 W/ 1 - 24" X 195.37' RCP CL. III @ 0.7%					196						1						
				SUBTOTAL	0	0	0	0	1,116	1	4	2	5	0	1	0	3	2	0	0	0
				PROJECT TOTAL	3,003	695	695	1	2,060	1	4	6	14	5	2	1	4	3	3	1	10
				PROJECT USE	***3,100 ****	***700 ****	***700***	***1***	***2,060***	***1***	***4***	***6***	***14***	***5***	***2***	***1***	***4***	***3***	***3***	***1***	***10***

*REFER TO MISCELLANEOUS QUANTITIES SHEETS FOR ADDITIONAL PROJECT QUANTITIES.

**CITY OF ALBUQUERQUE TYPE D INLETS SHALL BE PAID FOR AS ITEM NO. 623201 MODIFIED MEDIAN DROP INLET, TYPE I.

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER
7.24.19

Plans approved by Design Review Committee of Albuquerque, NM
Engineer, [illegible] 7.23.19

REVISIONS			
6			
5			
4			
3			
2			
1			
NO	DATE	DESCRIPTION	

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ESTIMATED STRUCTURE QUANTITIES

3 OF 3

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-10 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

605725657 C:\Users\USA5671341\appdata\local\temp\AcPublish_5344\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 4:02pm USA5671341

REMOVAL OF STRUCTURES AND OBSTRUCTIONS - ITEM NO. 601000

	STATION	TO	STATION	LOCATION	QTY		REMARKS
WOODWARD							
	101+41			LT	1	EACH	PANEL SIGN
	101+70		102+30	LT	60	LIN. FT.	CONCRETE WALL BARRIER
	109+53			RT	1	EACH	PANEL SIGN
	102+56			RT	2	EACH	BOLLARD
	109+63			RT	1	EACH	RR X-ING GATE ASSEMBLY AND FOUNDATION*
	109+73		110+35	LT/RT	1292	SQ. FT.	RR X-ING PANELS*
	109+73		110+35	LT/RT	800	LIN. FT.	RR TRACKS*
	110+38			LT	1	EACH	RR X-ING GATE ASSEMBLY AND FOUNDATION*
	110+45			LT	2	EACH	PANEL SIGN
	110+45			LT	1	EACH	RR X-ING FLASHER SIGNAL AND FOUNDATION*
	110+86			LT	1	EACH	PANEL SIGN
	111+55			LT	1	EACH	WOODEN POLE
	112+58			LT	1	EACH	PANEL SIGN
	114+60			LT/RT	150	LIN. FT.	RR TRACKS
	117+22			LT	2	EACH	BOLLARD
	117+61		118+82	LT	121	LIN. FT.	CONCRETE CURB
	117+84		118+65	LT	1	EACH	SLOTTED DRAIN
	121+61			LT	1	EACH	DROP INLET
	124+00			LT	37	LIN. FT.	RAILING
	124+49			LT	1	EACH	PANEL SIGN
	125+47			RT	1	EACH	STORM DRAIN MANHOLE
	125+60		126+32	RT	75	LIN. FT.	METAL BARRIER GUARDRAIL
	125+70		126+38	LT	70	LIN. FT.	METAL BARRIER GUARDRAIL
2ND ST							
	208+44			LT	1	EACH	BOLLARD

CONCRETE WALL BARRIER 32" - ITEM NO. 606532

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
WB32-10500LT	105+50.00		108+75.00	LT	24	325.00	TOTAL INCL'DS 40' TRANSITION
					PROJECT TOTAL	325.00	
					PROJECT USE	***325.00***	

PEDESTRIAN/BICYCLE RAILING - ITEM NO.607079

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
PBR-11130LT	111+08.52		111+47.52	LT	31.94	39.00	
PBR-11175LT	111+70.50		111+84.68	LT	32.29	15.50	
PBR-11220LT	112+02.13		112+26.31	LT	32.96	25.50	
					PROJECT TOTAL	80.00	
					PROJECT USE	***80.00***	

STRUCTURAL CONCRETE, CLASS AA - ITEM NO. 511030

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	CY. YD.	REMARKS
	BOP		EOP	LT/RT	VARIES	17.60	CONCRETE COLLARS FOR ADJUSTED MANHOLES
	BOP		EOP	LT/RT	VARIES	4.50	CONCRETE COLLARS FOR NEW OR ADJUSTED WATER VALVES
					PROJECT TOTAL	22.10	
					PROJECT USE	***30.00***	

24" CULVERT PIPE - ITEM NO. 570024

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
CMP-21190RT	211+91.89		211+93.43	RT	20	14.00	IRRIGATION CHANNEL EXTENSION
CMP-21200RT	211+93.43		212+03.63	RT	33	10.00	IRRIGATION CHANNEL EXTENSION
					PROJECT TOTAL	24.00	
					PROJECT USE	***24.00***	

REMOVALS SUMMARY-ITEM NO. 601000

DESCRIPTION	PROJECT TOTAL	
PANEL SIGN	7	EACH
CONCRETE WALL BARRIER	60	LIN. FT.
BOLLARD	5	EACH
RR X-ING GATES, FOUNDATIONS, SIGNALS*	3	EACH
RR X-ING PANELS*	1292	SQ. FT.
RR TRACKS*	950	LIN. FT.
WOODEN POLES	1	EACH
CONCRETE CURB	121	LIN. FT.
RAILING	37	LIN. FT.
METAL BARRIER GUARDRAIL	145	LIN. FT.
DRAINS AND INLETS	2	EACH
MANHOLES	1	EACH

** REMOVALS ASSOCIATED WITH NMRX LINES SHALL BE PERFORMED BY OTHERS AND ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR.*

24" CULVERT PIPE END SECTION - ITEM NO. 570025

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
ES-21200RT	212+03.63	RT	34	1.00	IRRIGATION CHANNEL EXTENSION
			PROJECT TOTAL	1.00	
			PROJECT USE	***1.00***	

REMOVAL OF SURFACING - ITEM NO. 601110

STATION	TO	STATION	DESCRIPTION	LENGTH (FT)	AVERAGE WIDTH (FT)	SQ. YD.
101+40.00		109+75.00	WOODWARD RD WEST OF RR X-ING	835.00	40.00	3711
110+30.00		126+75.00	WOODWARD RD EAST OF RR X-ING	1645.00	28.00	5118
202+00.00		214+15.00	2ND STREET	1215.00	28.00	3780
300+15.00		301+12.00	WILLIAM ST	97.00	28.00	302
					PROJECT TOTAL	12911
					PROJECT USE	***12950***

GUARDRAIL SCHEDULE

ID	STATION	TO	STATION	LOC.	OFFSET (FT)	606001 SINGLE FACE W-BEAM GUARDRAIL LIN.FT.	606052 END TREATMENT TL-2 END TERMINAL EACH	606053 END TREATMENW-BEAM END ANCHOR EACH	606062 TRANSITION METAL BARRIER TO RIGID BARRIER EACH	REMARKS
GR-10230LT	101+96.00		103+07.88	LT	21.96	37.50	1	1	0	GAS LINE REGULATOR STATION PROTECTION
GR-12570 RT	125+65.00		126+20.00	RT	59.00	60.00		2		SAN JOSE DRAIN SOUTH SIDE
GR-12570LT	125+75.10		126+37.21		VARIES	25.00		2		SAN JOSE DRAIN NORTH SIDE
					PROJECT TOTAL	123	1	5	0	
					PROJECT USE	***122.5***	***1***	***5***	***0***	

DRIVE PAD 6" - ITEM NO. 608106

ID	STATION	LOCATION	OFFSET (FT)	SQ. YD.	REMARKS
TO-10270RT	102+72.09	RT	26	40.00	
TO-10390LT	103+86.05	LT	24	39.00	
TO-10450LT	104+48.70	LT	24	63.00	
TO-10730RT	107+32.62	RT	24	10.31	
TO-10910LT	109+14.50	LT	24	10.31	
TO-11160LT	111+63.18	LT	24	7.36	
TO-11190LT	111+91.99	LT	24	7.36	
TO-11240LT	112+36.45	LT	24	10.89	
TO-11250LT	112+54.59	LT	24	7.39	
TO-11280LT	112+84.00	LT	24	7.39	
TO-11340RT	113+40.12	RT	24	26.67	
TO-11390RT	114+01.12	RT	24	33.33	
TO-11510RT	115+02.73	RT	24	30.67	
TO-11560RT	115+54.73	RT	24	17.33	
TO-11630RT	116+25.54	RT	24	37.33	
TO-11740LT	117+44.50	LT	24	23.56	
TO-11790RT	117+85.00	RT	24	17.67	
TO-11910LT	119+06.00	LT	24	33.13	
TO-11920RT	119+17.00	RT	24	14.72	
TO-12370RT	123+71.36	RT	24	13.33	
TO-12430LT	124+29.52	LT	24	18.39	
TO-12460LT	124+56.06	LT	24	13.23	
TO-12550LT	125+46.98	LT	24	8.89	
TO-12640RT	126+44.50	RT	24	10.67	
TO-12660LT	126+56.87	LT	24	10.67	
			PROJECT TOTAL	512.60	
			PROJECT USE	***520.00***	

Accepted by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
7/14/2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

MISCELLANEOUS QUANTITIES
1 OF 3

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-11 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Inmerbing\aecom_de18_ne\jordan.thompson39@aecom.com\d0116496\A300161_2-11MD.dwg PLOTTED: 1/31/20 - 4:20pm Jordan.Thompson11

CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED) - ITEM NO. 608404

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	SQ. YD.	REMARKS
MDP-10950LT	109+26.17		109+71.42	LT/RT	0-3.33	29.80	MEDIAN WEST OF RR XING
MDP-11050RT	110+35.22		110+63.15	LT/RT	0-4.50	17.10	MEDIAN EAST OF RR XING
					PROJECT TOTAL	46.90	
					PROJECT USE	***50.00***	

MANHOLE TYPE C-4' DIAMETER 0' TO 6' DEPTH - ITEM NO. 662000

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
MHC-21190RT	211+93.43	RT	32.40	1	IRRIGATION CHANNEL EXTENSION
			PROJECT TOTAL	1.00	
			PROJECT USE	***1.00***	

HEADER CURB - ITEM NO. 609200

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
HC-12530LT	125+27.84		125+39.34	LT	32.62-40.46	20	DUMPSTER PAD
HC-10875LT	108+75.00		109+00.00	LT		27	ATTENUATOR UNIT PAD
					PROJECT TOTAL	47.00	
					PROJECT USE	***50.00***	

ADJUST VALVE BOX TO GRADE - ITEM NO. 663855

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
	109+55.72	LT	25.33	1	
	110+78.94	LT	40.54	1	
	110+82.96	LT	18.32	1	
	114+68.89	LT	16.61	1	
	117+30.91	LT	20.58	1	
	117+38.31	LT	18.60	1	
	118+43.86	LT	15.95	1	
	119+25.82	RT	29.69	1	
	119+84.34	LT	18.43	1	
	124+62.19	LT	32.99	1	
			PROJECT TOTAL	10.00	
			PROJECT USE	***10.00***	

ADJUST WATER METER TO GRADE - ITEM NO. 663865

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
	102+77.97	RT	30.17	1	
	119+46.65	RT	28.53	1	
	121+76.66	RT	25.36	1	
			PROJECT TOTAL	3.00	
			PROJECT USE	***3.00***	

VEHICULAR IMPACT ATTENUATOR - ITEM NO. 720050

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
IA-109LT	108+75	LT	21	1.00	
			PROJECT TOTAL	1.00	
			PROJECT USE	***1.00***	

BOLLARD - ITEM NO. 667500

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
BOL-20845LT	208+45.07	LT	32.06	1	AT NEW TRAIL CONNECTION
			PROJECT TOTAL	1.00	
			PROJECT USE	***1.00***	

CONCRETE LAYDOWN CURB, 8" - ITEM NO. 609708

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
	109+54.00		109+76.32	LT	19	22.32	
	109+86.38		109+90.32	LT	19	3.94	
	110+00.34		110+07.60	LT	19	7.26	
	110+29.44		110+48.91	LT	19' TO 33.6'	19.47	
	109+56.32		109+73.05	RT	24	16.73	
	109+82.96		109+86.95	RT	24	3.99	
	109+96.91		110+04.32	RT	24	7.41	
	109+19.21		110+25.75	RT	24	106.54	
	110+35.89		110+50.23	RT	24	14.34	
					PROJECT TOTAL	202.00	
					PROJECT USE	***210.00***	

REMOVE AND REBUILD FENCE - ITEM NO. 607199

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
	101+73.76		103+25.00	LT	26.63-66.14	190.00	NORTH SIDE WOODWARD
	209+52.64		212+04.82	RT	26.63-32.63	250.00	EAST SIDE 2ND ST
	103+47.18		104+32.00	RT	26.63-32.63	80.00	SOUTH SIDE WOODWARD
					PROJECT TOTAL	520.00	
					PROJECT USE	***550.00***	

CLASS A SEEDING - ITEM NO. 632000

ID	STATION	TO	STATION	LOCATION	ACRE	REMARKS
	BOP		EOP	LT/RT	0.72	WOODWARD AND 2ND ST DISTURBED AREAS BEYOND IMPROVEMENTS NOT OTHERWISE TREATED
				PROJECT TOTAL	0.72	
				PROJECT USE	***1.00***	

CONCRETE VERTICAL CURB AND GUTTER TYPE D 6" X 18" - ITEM NO. 609478

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
CGD-10950LT	109+24.67		109+72.92	LT/RT	0.00-4.83	108.00	MEDIAN WEST OF RR X-ING
CGD-11050RT	110+33.72		111+11.49	LT/RT	0.00-6.00	215.00	MEDIAN EAST OF RR X-ING
					PROJECT TOTAL	323.00	
					PROJECT USE	***330.00***	

MANHOLE ADJUSTMENT - ITEM NO. 662400

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
	100+90.14	RT	0.33	1	SANITARY SEWER
	100+98.49	LT	0.20	1	SANITARY SEWER
	104+89.72	RT	0.33	1	SANITARY SEWER
	108+87.69	RT	0.18	1	SANITARY SEWER
	110+48.66	RT	16.01	1	STORM DRAIN
	110+60.31	RT	0.46	1	SANITARY SEWER
	113+90.55	RT	0.68	1	SANITARY SEWER
	114+23.00	RT	14.34	1	STORM DRAIN
	116+89.01	RT	0.53	1	SANITARY SEWER
	117+77.94	RT	14.25	1	STORM DRAIN
	119+64.96	RT	1.22	1	SANITARY SEWER
	121+45.41	RT	1.54	1	SANITARY SEWER
	121+60.45	RT	15.54	1	STORM DRAIN
	121+69.62	RT	25.59	1	UNKNOWN UTILITY
	123+37.41	RT	1.01	1	SANITARY SEWER
	125+49.48	RT	1.23	1	SANITARY SEWER
	126+58.61	RT	0.92	1	SANITARY SEWER
	202+41.34	LT	5.36	1	SANITARY SEWER
	206+01.30	LT	4.51	1	SANITARY SEWER
	210+44.12	LT	1.06	1	SANITARY SEWER
	211+78.82	LT	5.94	1	SANITARY SEWER
	213+90.15	LT	0.42	1	SANITARY SEWER
			PROJECT TOTAL	22.00	
			PROJECT USE	***22.00***	

CONCRETE VALLEY GUTTER 6" X 96" - ITEM NO. 609652

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
CVG-11210RT	111+68.76		112+56.76	RT	24-60	88.00	TO-11210RT
					PROJECT TOTAL	88.00	
					PROJECT USE	***90.00***	

REMOVE AND RESET EXISTING FIRE HYDRANT - ITEM NO. 663105

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
FH-10735LT	107+35.15	LT	32.63	1	TO BE RELOCATED TO 105+47, 21.63' LT
FH-11095LT	110+95.31	LT	33.12	1	
			PROJECT TOTAL	2.00	
			PROJECT USE	***2.00***	

MOUNTABLE CURB ROLL TYPE- ITEM NO. 609380

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
MCG-10900LT	109+00.00		109+54.00	LT	19	54	INCLUDES CURB HEIGHT TRANSITION AT RAMP
					PROJECT TOTAL	54.00	
					PROJECT USE	***60.00***	

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
7/14/2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

This approved by Design Review
Committee of Albuquerque City
Date: Sept. 22, 2020.

WOODWARD ROAD IMPROVEMENTS

MISCELLANEOUS QUANTITIES
2 OF 3

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-12 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\prworking\aecom_de18_nt\chris.rosol@aecom.com\d0118496\A300161_2-12MD.dwg PLOTTED: 7/14/20 - 1:18pm chris.rosol

EARTHWORK SCHEDULE

		203000		203100	203200
	LOCATION	UNCLASSIFIED EXCAVATION CU. YD.	EMBANKMENT CU. YD.	BORROW CU. YD.	UNSUITABLE MATERIAL EXCAVATION CU. YD.
	WOODWARD RD	510	2900		70
	SECOND ST	960	1600		30
	WILLIAM ST	5	190		
	POND	3003	0		
	DRIVEWAY CONSTRUCTION	0	1000		
	PROJECT TOTAL	4478	5690	1212	100
	PROJECT USE	***4480***	***5690***	***1220***	***100***

NOTES:

1) CONTRACTOR STOCKPILE AREAS AND ANY NON-DESIGNATED HAUL ROADS OR DISTURBED AREAS OUTSIDE THE DESIGNATED LIMITS OF CONSTRUCTION SHALL BE TREATED WITH CLASS "A" SEEDING AND NO MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

2) EARTHWORK QUANTITIES ARE BASED ON THE FINAL COMPACTED IN-PLACE VOLUME

CONSTRUCTION ENGINEERING AND LUMP SUM ITEMS

ITEM NUMBER	DESCRIPTION	UNITS	PROJECT TOTAL	REMARKS
201000	CLEARING AND GRUBBING	L.S.	L.S.	
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	L.S.	
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	L.S.	L.S.	
613000	CLEANING CULVERTS AND DRAINAGE STRUCTURES	L.S.	L.S.	
617000	VIBRATION MONITORING	L.S.	L.S.	
618000	TRAFFIC CONTROL MANAGEMENT	L.S.	L.S.	
621000	MOBILIZATION	L.S.	L.S.	
663049	PRECONSTRUCTION UTILITY SURVEY	L.S.	L.S.	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	L.S.	L.S.	
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	L.S.	L.S.	
802000	POST CONSTRUCTION PLANS	L.S.	L.S.	

CONSTRUCTION ENGINEERING AND LUMP SUM ITEMS, NON-PARTICIPATING

ITEM NUMBER	DESCRIPTION	UNITS	PROJECT TOTAL	REMARKS
618011	PUBLIC AWARENESS PROJECT CONSTRUCTION SIGNS 2 TOTAL	L.S.	L.S.	

CONCRETE SIDEWALK 4" - ITEM NO. 608004

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	SQ. YD.	REMARKS
	101+43.54		111+83.55	RT	26.63-66.14	509.20	2ND ST TO TO-11210RT
	110+89.69		126+75.00	LT	26.63-32.63	774.78	WILLIAM ST TO EOP
	112+40.96		126+75.00	RT	26.63-32.63	638.89	TO-11210RT TO EOP
	208+36.35		208+50.35	LT	18.00-37.01	22.12	2ND ST TRAIL CONNECTION
					PROJECT TOTAL	1944.99	
					PROJECT USE	***1950.00***	

POLYVINYL CHLORIDE PIPE, 4" ITEM NO. 663604

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
SLV-105-RT	105+67.44		106+09.44	RT	35.63	42.00	
SLV-107-RT	107+19.62		107+45.62	RT	34.84	26.00	
					PROJECT TOTAL	68.00	
					PROJECT USE	***70.00***	

MAILBOX INSTALLATION SINGLE - ITEM NO. 667110

ID	STATION	LOCATION	OFFSET (FT)	EACH	REMARKS
	107+42.97	RT	29.10	1	
	111+56.48	LT	23.38	1	
	112+32.05	LT	25.94	1	
			PROJECT TOTAL	3.00	
			PROJECT USE	***3.00***	

CONCRETE VERTICAL CURB AND GUTTER TYPE C 8" X 32" - ITEM NO. 609462

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
CGC-10130LT	101+28.71		102+35.00	LT	VARIES	117	INCLUDES TRANSITION TO SLOPED CURB
CGC-10200RT	101+65.87		109+73.03	RT	24.00-37.58	808	WOODWARD BETWEEN 2ND AND NMRX
SCG-10230LT	102+35.00		103+20.00	LT	19	85	SLOPED CURB AND GUTTER, TYPE I
CGC-10320LT	103+20.00		105+50.00	LT	19	230	INCLUDES TRANSITION TO SLOPED CURB
CGC-11030LT	110+29.66		110+52.94	LT	24.00-112.93	102	WOODWARD AND WILLIAM
CGC-11040RT	110+35.89		111+68.76	RT	24	133	WOODWARD, BETWEEN NMRX AND TO-11210RT
CGC-11080LT	110+77.29		126+75.00	LT	24.00-110.96	1673	WOODWARD, BETWEEN WILLIAM AND EOP
CGC-11260RT	112+56.76		126+75.00	RT	24	1419	WOODWARD, BETWEEN TO-11210RT AND EOP
CGC-20755LT	207+55.00		212+40.00	LT	16	489	2ND ST
CGC-20755RT	207+55.00		208+52.84	RT	28-59.10	110	2ND ST, SOUTH OF WOODWARD
CGC-20925RT	209+23.53		212+40.00	RT	19.94-56.14	316	2ND ST, NORTH OF WOODWARD
					PROJECT TOTAL	5482.00	
					PROJECT USE	***5500.00***	

GATE VALVE, 6" - ITEM NO. 663896

ID	STATION	LOCATION	EA	REMARKS
IRG-103-LT	*103+00*	*LT*	*1*	*IRRIGATION STUB-OUT*
IRG-106-RT	*106+75*	*RT*	*1*	*IRRIGATION STUB-OUT*
IRG-115-LT	*115+00*	*LT*	*1*	*IRRIGATION STUB-OUT*
FH-1075LT	*105+47*	*LT*	*1*	*FIRE HYDRANT RELOC*
FH-1095LT	*110+95*	*LT*	*1*	*FIRE HYDRANT RELOC*
		PROJECT TOTAL	5.00	
		PROJECT USE	***5.00***	

CAST IRON OR DUCTILE IRON FITTINGS - ITEM NO. 663550

ID	STATION	10"x10"x6" TEE	CAP	WEIGHT (LBS)	REMARKS
IRG-103-LT	*103+00*	*1*	*1*	*240*	*IRRIGATION STUB-OUT*
IRG-106-RT	*106+75*	*1*	*1*	*240*	*IRRIGATION STUB-OUT*
IRG-115-LT	*115+00*	*1*	*1*	*240*	*IRRIGATION STUB-OUT*
FH-1075LT	*105+47*	*1*	*0*	*215*	*FIRE HYDRANT RELOC*
FH 1095LT	*110+95*	*1*	*0*	*215*	*FIRE HYDRANT RELOC*
			PROJECT TOTAL	1150.00	
			PROJECT USE	***1200.00***	

TIE TO EXISTING 10" WATERLINE - ITEM NO. 66378

ID	STATION	LOCATION	EA	REMARKS
IRG-103-LT	*103+00*	*LT*	*1*	*IRRIGATION STUB-OUT*
IRG-106-RT	*106+75*	*RT*	*1*	*IRRIGATION STUB-OUT*
IRG-115-LT	*115+00*	*LT*	*1*	*IRRIGATION STUB-OUT*
FH-1075LT	*105+47*	*LT*	*1*	*FIRE HYDRANT RELOC*
FH-1095LT	*110+95*	*LT*	*1*	*FIRE HYDRANT RELOC*
		PROJECT TOTAL	5.00	
		PROJECT USE	***5.00***	

VALVE BOX WITH COVER - ITEM NO. 663890

ID	STATION	LOCATION	EA	REMARKS
IRG-103-LT	*103+00*	*LT*	*1*	*IRRIGATION STUB-OUT*
IRG-106-RT	*106+75*	*RT*	*1*	*IRRIGATION STUB-OUT*
IRG-115-LT	*115+00*	*LT*	*1*	*IRRIGATION STUB-OUT*
FH-1075LT	*105+47*	*LT*	*1*	*FIRE HYDRANT RELOC*
FH-1095LT	*110+95*	*LT*	*1*	*FIRE HYDRANT RELOC*
		PROJECT TOTAL	5.00	
		PROJECT USE	***5.00***	

30" STORM DRAIN CULVERT PIPE - ITEM NO. 570449

ID	STATION	TO	STATION	LOCATION	OFFSET (FT)	LIN. FT.	REMARKS
CUL-12260RT	112+60.00		112+60.00	RT	20	14.00	IRRIGATION CHANNEL EXTENSION
					PROJECT TOTAL	14.00	
					PROJECT USE	***14.00***	

6" WATERLINE, 0'-6' DEPTH ITEM NO. 663726

ID	STATION	LOCATION	OFFSET (FT)	LF	REMARKS
IRG-103-LT	*103+00*	*LT*	*46*	*27*	*IRRIGATION STUB-OUT*
IRG-106-RT	*106+75*	*RT*	*37*	*45*	*IRRIGATION STUB-OUT*
IRG-115-LT	*115+00*	*LT*	*36*	*19*	*IRRIGATION STUB-OUT*
FH-1075LT	*105+47*	*LT*	*22'*	*6*	*FIRE HYDRANT RELOC*
FH-1095LT	*110+95*	*LT*	*33*	*14*	*FIRE HYDRANT RELOC*
			PROJECT TOTAL	111.00	
			PROJECT USE	***120.00***	

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
26 Feb 2021

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

MISCELLANEOUS QUANTITIES
3 OF 3

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-13 OF

DESIGNED BY

DRAWING SCALE

NMDOT CN: A300161

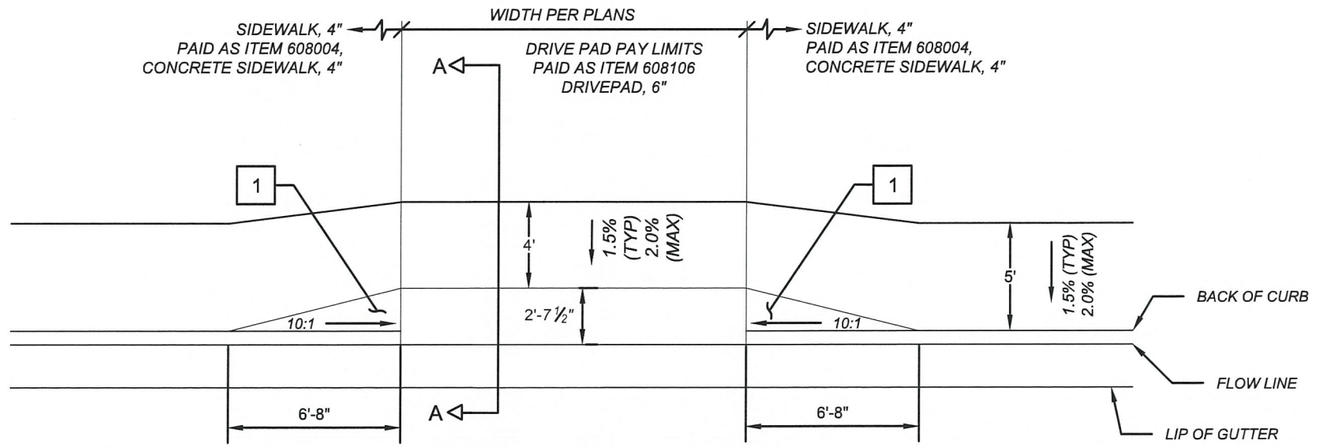
60572657 C:\projects\project_dir\$_no\photo.rosol@aecom.com\p0118466\A300161_3-13x30.dwg PLOTTED: 2/24/21 - 10:51am chris.rosol

CONSTRUCTION NOTES

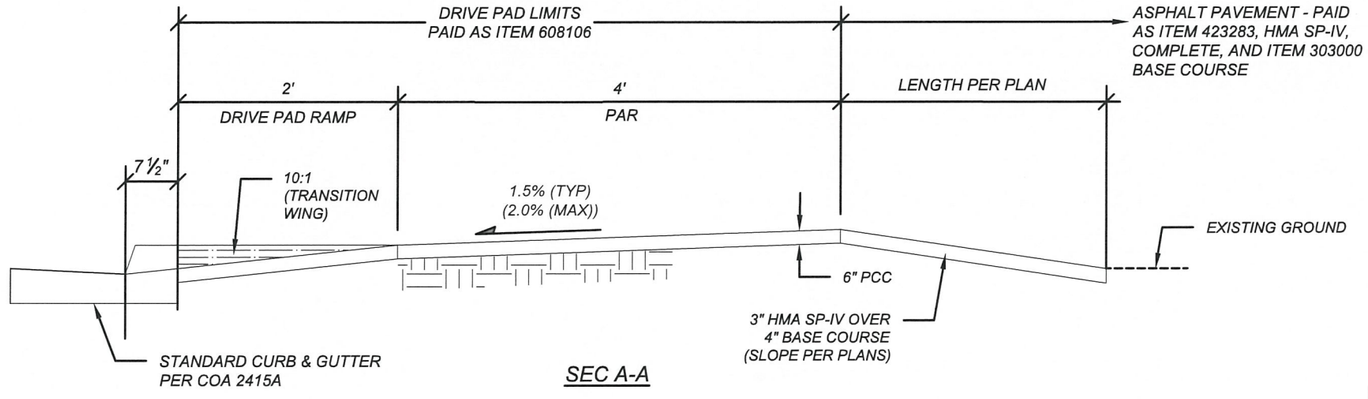
1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION
3. PAR: PEDESTRIAN ACCESS ROUTE
4. TYPE 2C DRIVEWAY APRON SHOWN. TYPE 2B APRON SIMILAR.

KEYED NOTES

[1] DRIVEPAD TRANSITION WING- 4" PAID AS ITEM 608004, CONCRETE SIDEWALK, 4"



DRIVEWAY APRON, TYPE 2C WITH 4' PEDESTRIAN ACCESS ROUTE (PAR)



SEC A-A

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

MISCELLANEOUS DETAILS: DRIVE PAD DETAILS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-14 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Albuquerque City Engineer pursuant to DPM.

24 Jul 2019

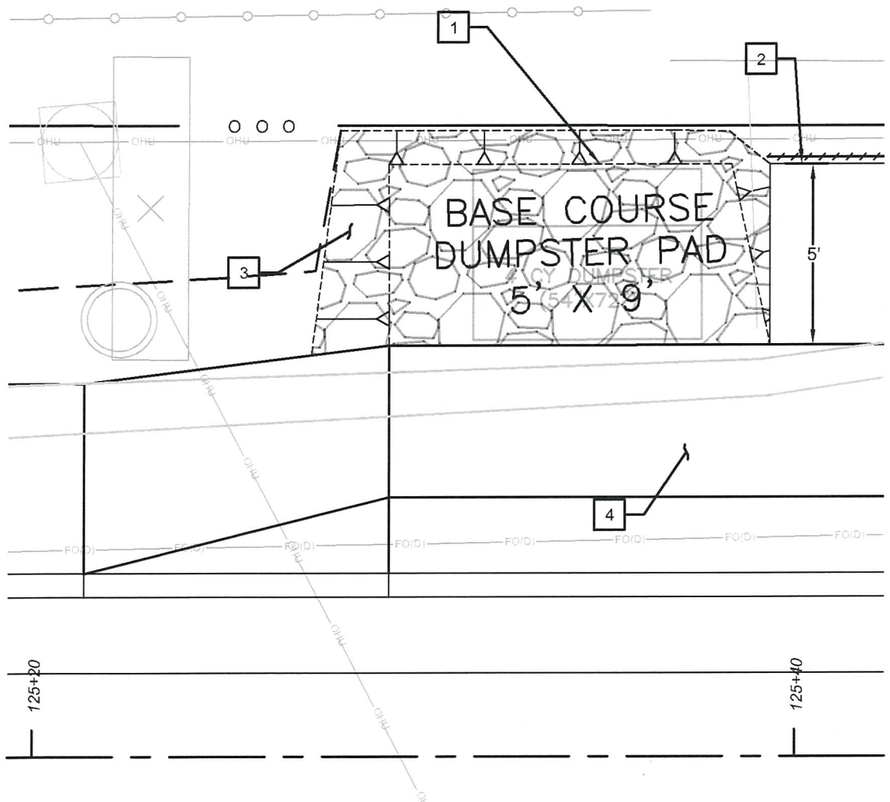
60572657 C:\pwworking\aecom...ds16...no\jordan.thompson3@aecom.com\d0116498\LA300161_2-14MD.dwg PLOTTED: 7/24/19 - 10:31am Jordan.Thompson11

CONSTRUCTION NOTES:

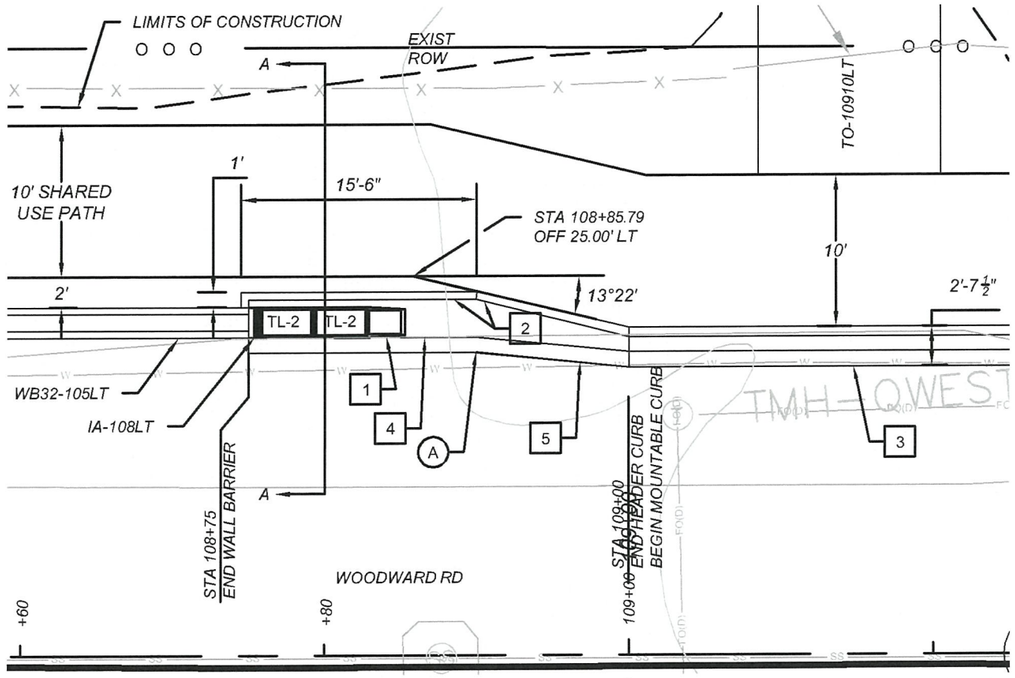
1. PROOF ROLL BASE COURSE TO PROVIDE STABLE FLAT SURFACE LEVEL WITH BACK OF SIDEWALK

KEYED NOTES

1. ROLLED BASECOURSE DUMPSTER PAD AT BACK OF SIDEWALK
2. TURNOUT TO-12550LT. SEE 4-SERES FOR INFORMATION
3. TRANSITION TO MATCH EXISTING GRADE
4. DRIVEPAD, 6". SEE 2-SERIES FOR INFORMATION

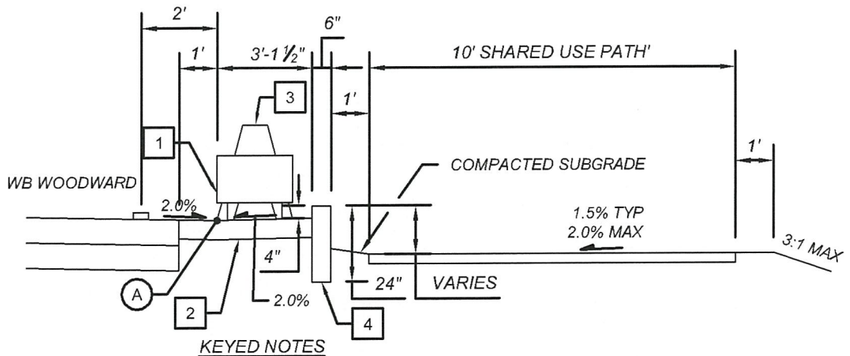


ROLLED BASECOURSE
PAD AT BACK OF SIDEWALK



KEYED NOTES

1. PERMANENT VEHICULAR IMPACT ATTENUATOR UNIT ON PCC FOUNDATION
2. BUILD HEADER CURB, 6"X24"
3. COA MOUNTABLE ROLL TYPE CURB
4. ATTENUATOR FOUNDATION PER ATTENUATOR MANUFACTURER'S RECOMMENDATIONS
5. TRANSITION FROM ATTENUATOR FOUNDATION TO MOUNTABLE ROLL CURB. SHAPE TO FORM CONTINUOUS FLOWLINE (POINT Ⓐ) BETWEEN WALL BARRIER AND CURB AND GUTTER



KEYED NOTES

1. IMPACT ATTENUATOR, W = 24'
2. PCCP FOUNDATION PER ATTENUATOR MANUFACTURER RECOMMENDATIONS (INCIDENTAL TO ITEM 720050)
3. CONCRETE WALL BARRIER, 32"
4. PCC HEADER CURB

SECTION A-A

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Development Review Committee and Albuquerque Bernalillo County Environmental Planning Commission

0 4 8 FEET

0 10 20 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
MISCELLANEOUS DETAILS
PATH AT RAILROAD DETAIL AND BASE COURSE PAD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

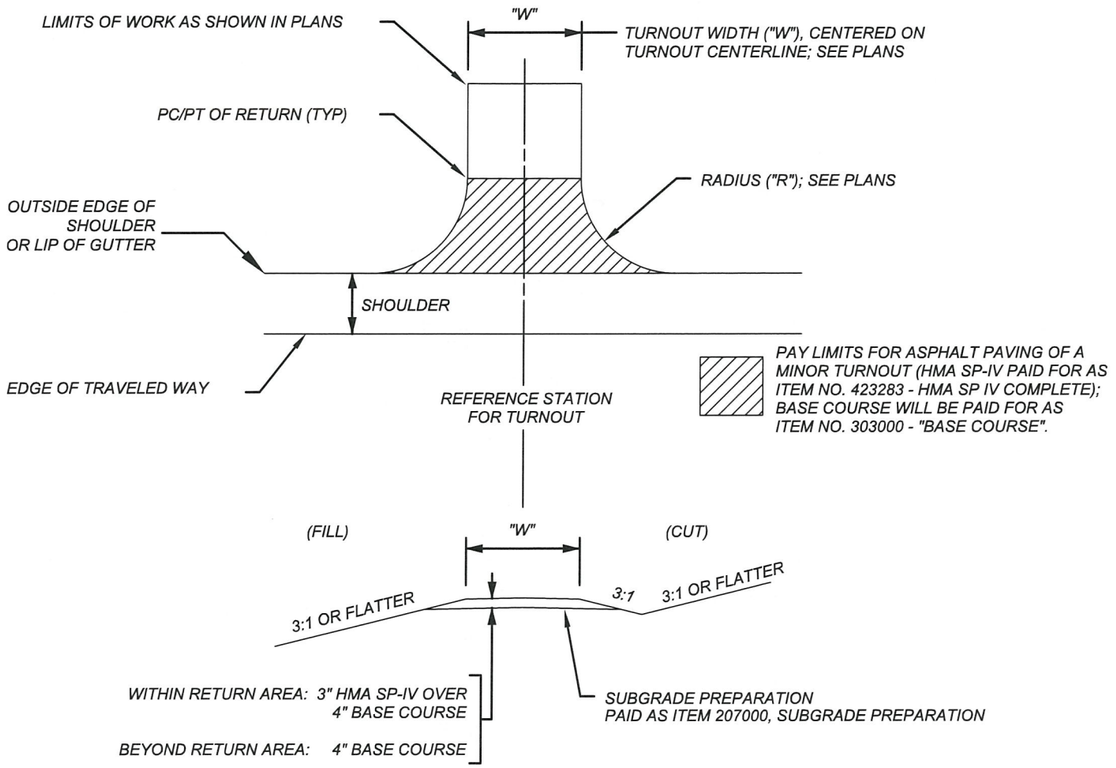
SHEET 2-15 OF

DESIGNED BY:

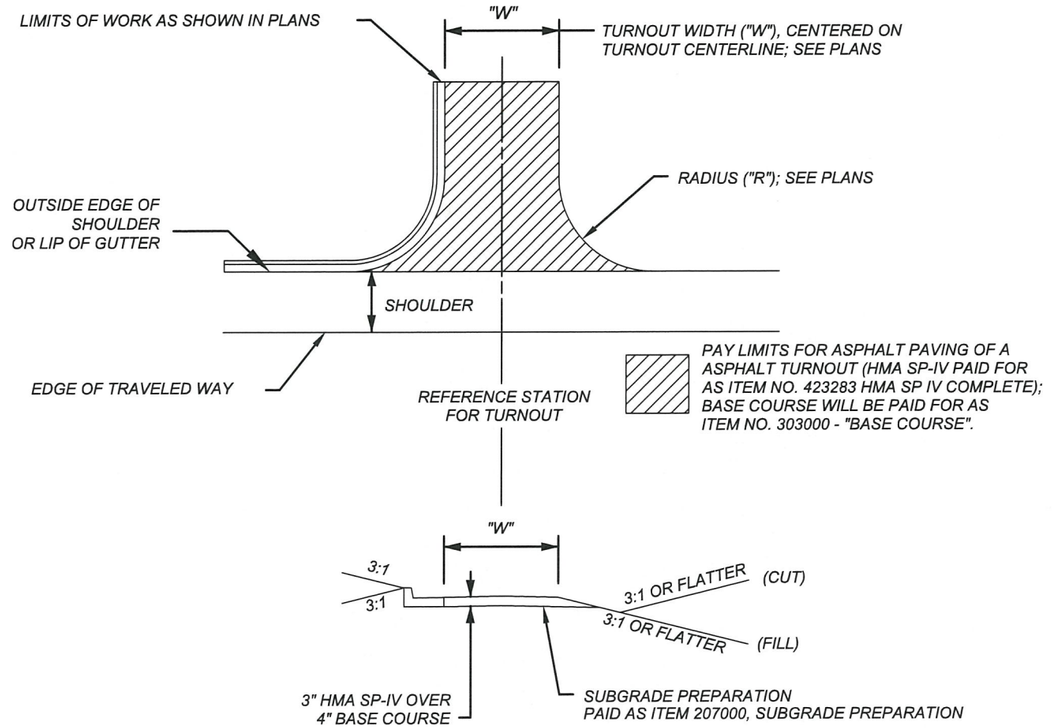
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\prawerksbg\aecom...de18_na\jordan.thompson.39@aecom.com\d0116469\A300161_2-16M001.dwg PLOTTED: 7/26/19 - 3:55pm Jordan.Thompson11



PLAN DETAIL AND TYPICAL SECTION
FOR MINOR TURNOUT



PLAN DETAIL AND TYPICAL SECTION
FOR ASPHALT TURNOUT AND
CURBED TURNOUT

Plan Approved for Design Review Comments Only. City of Albuquerque City Engineer Date: 7/24/2019.

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER
24 Jul 2019

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

MISCELLANEOUS DETAILS: TURNOUT DETAILS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-16 OF

NMDOT CN: A300161

60572657 C:\pw\working\aecom_ds16_nx\jordan.thompson30@aecom.com\d0116498\A300161_2-16MD.dwg PLOTTED: 7/24/19 - 10:32am Jordan Thompson11

C-3
R=75.00'
L= 106.50'
T=64.46'
Δ= 81° 21' 23"
PI:209+14.80,28.0' RT 2ND ST
PC: 101+90.28, 19.0' LT WOODWARD = 209+05.11, 91.73' 2ND ST
MID:101+41.39,37.21' LT WOODWARD = 209+30.37, 46.12' RT 2ND ST
PT: 209+79.26, 28' RT 2ND ST

C-1
R=40.00'
L= 53.85'
T=31.90'
Δ= 77° 08' 22"
PI:208+45.74,28.0' RT
PC: 208+13.84, 28.0' RT
MID:208+45.74,28.0' RT
PCC: 208+52.84. 59.10' RT 2nd=
101+65.87, 37.58, RT WOODWARD

C-2
R=152.00'
L= 57.05'
T=28.86'
Δ= 21° 03'15"
PI:101+92.73, 27.0' RT
PCC:101+65.87, 37.58, RT WOODWARD=
208+52.84. 59.10' RT 2nd
MID: 101+93.24,29.67' RT
PT: 102+21.59, 27.0, RT

STA 101+63.32, 26.16' LT WOODWARD
W = 10'-6"

STA 101+96 TO 103+06, 21.63' RT
GR-10230LT

STA 101+43.73, 60.00' LT
Δ=80° 41' 32"

STA 102+52.68, 60.0' LT
Δ=11° 15' 25"

STA 103+25.00, 45.61' LT
Δ=101° 15' 25"

STA 103+25.00, 38.51' LT
END FENCE
TIE TO EXISTING FENCE

STA 103+18 TO
103+28, 19' LT

STA 102+35 TO
103+18, 19' LT

STA 101+00.39 WOODWARD RD =
STA 208+99.84 2ND ST
N=1,474,023.55
E=1,519,181.26

PC Sta 210+15.39

SW-1:
PC: 102+35.88, 42.00' LT
MID: 102+41.34, 41.70' LT
PT: 102+46.74, 40.81' LT

SW-2:
PC: 103+14.15, 25.82' LT
MID: 103+19.54, 24.92' LT
PT: 103+25.00, 24.63' LT (MATCH TBC)

TO-10270-RT
SEE 4-SERIES

EXISTING TRAIL

2nd STREET

WOODWARD RD

PROPERTY LINE

EXIST. R/W LINE

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT OTHERWISE INDICATED.
2. SEE CURB RAMP DETAILS, 2-SERIES, FOR MORE INFORMATION.

KEYED NOTES

1	BUILD STANDARD CURB & GUTTER PER COA 2415A
2	BUILD CONCRETE SIDEWALK, 4"
4	EXISTING FENCE
5	BUILD TRANSITION METAL BARRIER TO RIGID BARRIER PER 606-GR31-17/20. BUILD END TREATMENT. TL-2 END TERMINAL PER 606-GR31-8/20
7	BUILD CONCRETE SLOPED CURB & GUTTER, TYPE I. SEE DETAIL SHEET 2-2
8	LIMITS OF CONSTRUCTION
9	EXISTING RIGHT-OF-WAY
10	RELOCATE EXISTING POST AND PANEL FENCE ON CONCRETE FOUNDATION. SALVAGE EXISTING STEEL PANELS AND INSTALL ON NEW STEEL POST FRAMEWORK PAID AS 607199, REMOVE AND REBUILD FENCE.
11	BUILD 10' CURB TRANSITION
12	BUILD CURB RAMP - SEE [2-19] FOR INFORMATION
13	BUILD 10' SHARED USE PATH
14	EXISTING CUSTOM WELDED FENCE TO BE REMOVED AND RESET - PAID AS 607199

0 30 60 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
INTERSECTION LAYOUT DETAILS: 2ND AND WOODWARD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-17 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER

Plans Approved for Review Comment Only. Approval by the City Engineer not required. Sept. 22, 2020.

24 51 2019

60572657 C:\pwworking\aecom_ds16_nt\jordan.thompson30@aecom.com\d0116496\A300161_2-17MD.dwg PLOTTED: 7/24/19 - 10:32am Jordan.Thompson11

C-1
R= 10.00'
L= 15.65'
T= 9.95'
Δ= 89° 41' 07"
PC: 110+38.89, 19.00' LT
MID: 110+45.94, 21.91' LT
PT: 110+48.89, 28.95' LT

C-2
R= 515.00'
L= 33.33'
T= 16.67'
Δ= 03° 42' 30"
PC: 300+40.83, 14.00' LT
MID: 300+57.04, 14.00' LT
PT: 300+73.25, 14.00' LT

C-3
R= 487.00'
L= 18.32'
T= 9.16'
Δ= 02° 09' 21"
PCC: 300+54.40, 14.00' RT
MID: 300+63.83, 14.00' RT
PT: 300+73.25, 14.00' RT

C-4
R= 29.00'
L= 46.50'
T= 29.96'
Δ= 91° 52' 01"
PI: 110+76.23, 24.00' LT
PCC: 110+77.20, 53.94' LT
MID: 110+85.35, 32.83' LT
PT: 111+06.19, 24.00' LT

C-5
R= 2.83'
L= 7.62'
T= 12.30'
Δ= 155° 26' 09"
PCC: 109+24.57, 2.76' RT
MID: 109+22.37, 0.00' LT
PCC: 109+24.57, 2.76' LT

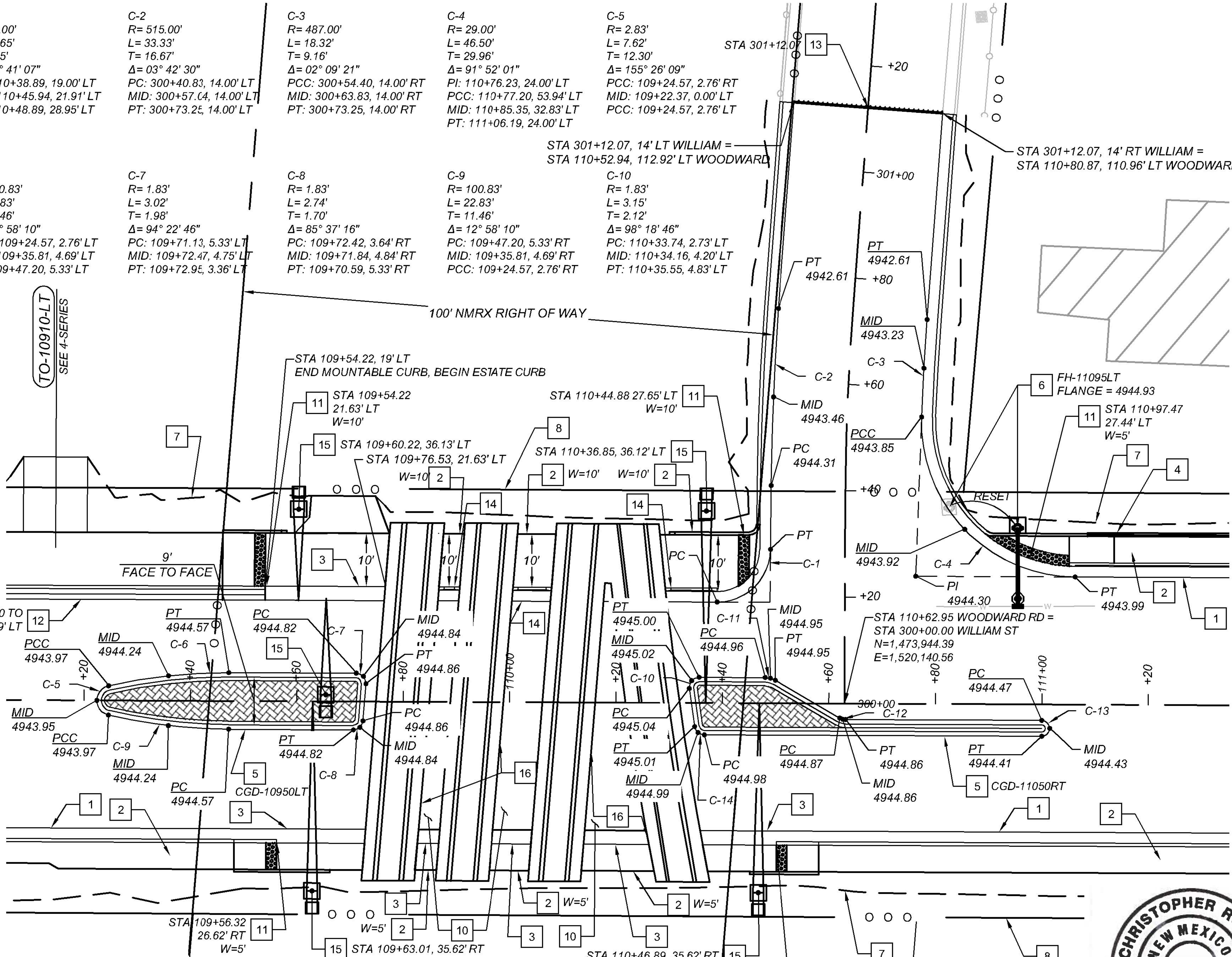
C-6
R= 100.83'
L= 22.83'
T= 11.46'
Δ= 12° 58' 10"
PCC: 109+24.57, 2.76' LT
MID: 109+35.81, 4.69' LT
PT: 109+47.20, 5.33' LT

C-7
R= 1.83'
L= 3.02'
T= 1.98'
Δ= 94° 22' 46"
PC: 109+71.13, 5.33' LT
MID: 109+72.47, 4.75' LT
PT: 109+72.95, 3.36' LT

C-8
R= 1.83'
L= 2.74'
T= 1.70'
Δ= 85° 37' 16"
PC: 109+72.42, 3.64' RT
MID: 109+71.84, 4.84' RT
PT: 109+70.59, 5.33' RT

C-9
R= 100.83'
L= 22.83'
T= 11.46'
Δ= 12° 58' 10"
PC: 109+47.20, 5.33' RT
MID: 109+35.81, 4.69' RT
PCC: 109+24.57, 2.76' RT

C-10
R= 1.83'
L= 3.15'
T= 2.12'
Δ= 98° 18' 46"
PC: 110+33.74, 2.73' LT
MID: 110+34.16, 4.20' LT
PT: 110+35.55, 4.83' LT



Plans appro
Committee
Engine

C-11
R= 3.83'
L= 2.01'
T= 1.03'
Δ= 30° 00' 00"
PC: 110+47.98, 4.83' LT
MID: 110+48.97, 4.70' LT
PT: 110+49.89, 4.32' LT

C-12
R= 2.17'
L= 1.13'
T= 0.58'
Δ= 30° 00' 00"
PC: 110+62.07, 2.71' RT
MID: 110+62.59, 2.93' RT
PT: 110+63.15, 3.00' RT

C-13
R= 1.50'
L= 4.71'
T= N/A
Δ= 180° 00' 00"
PC: 111+00.00, 3.00' RT
MID: 111+01.50, 4.50' RT
PT: 111+10.00, 6.00' RT

C-14
R= 1.83'
L= 2.61'
T= 1.58'
Δ= 81° 41' 14"
PC: 110+36.60, 6.00' RT
MID: 110+35.40, 5.55' RT
PT: 110+34.78, 4.43' RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT OTHERWISE INDICATED.
2. SEE CURB RAMP DETAILS, 2-SERIES, FOR MORE INFORMATION
3. SEE 16-SERIES FOR RAILROAD INFORMATION

KEYED NOTES

1	BUILD STANDARD CURB & GUTTER PER COA 2415A
2	BUILD CONCRETE SIDEWALK, 4"
3	BUILD ESTATE CURB PER COA 2415A, PAID AS ITEM 609708, CONCRETE LAYDOWN CURB, 8"
4	BUILD PEDESTRIAN/BICYCLE RAIL. SEE 2-SERIES FOR INFORMATION
5	BUILD MEDIAN CURB AND GUTTER PER COA 2415B
6	REMOVE AND RESET EXISTING FIRE HYDRANT. BUILD: 1 - 8"x8"x6" TEE, 1 - 6" GATE VALVE WITH VALVE CAN AND COLLAR, 14 LF 6" WATERLINE
7	LIMITS OF CONSTRUCTION
8	EXISTING RIGHT-OF-WAY
9	BUILD MOUNTABLE CURB ROLL TYPE PER COA 2415A - PAID AS ITEM 609380, CONCRETE SLOPED CURB AND GUTTER 8"x30"
10	PAVE AREA BETWEEN TRACK PANELS PER SECTION E ON 2-2
11	BUILD RAMP, SEE SHEET 2-20 FOR INFORMATION
12	BUILD MOUNTABLE ROLL TYPE CURB PER COA 2415B, PAID AS ITEM 609308, CONCRETE SLOPED CURB AND GUTTER 8"X30"
13	SAWCUT REMOVE AND DISPOSE OF EXISTING PAVEMENT, LIMITS OF PAVEMENT REMOVAL
14	BUILD STANDARD CURB AND GUTTER PER COA 2415A - TAPER CURB HEIGHT OVER 1FT AT EACH END
15	RAIL CROSSING GATES SHOWN FOR INFORMATION ONLY. GATES TO BE INSTALLED BY OTHERS
16	RAILROAD CROSSING PANELS, RAIL AND TIE WORK TO BE DONE BY OTHERS

N

0 20 40 FEET

REVISIONS NO	DATE	DESCRIPTION
6		
5		
4		
3		
2		
1		

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER

7/14/2020

AECOM

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
INTERSECTION LAYOUT DETAILS: NMRX/WILLIAM AND WOODWARD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

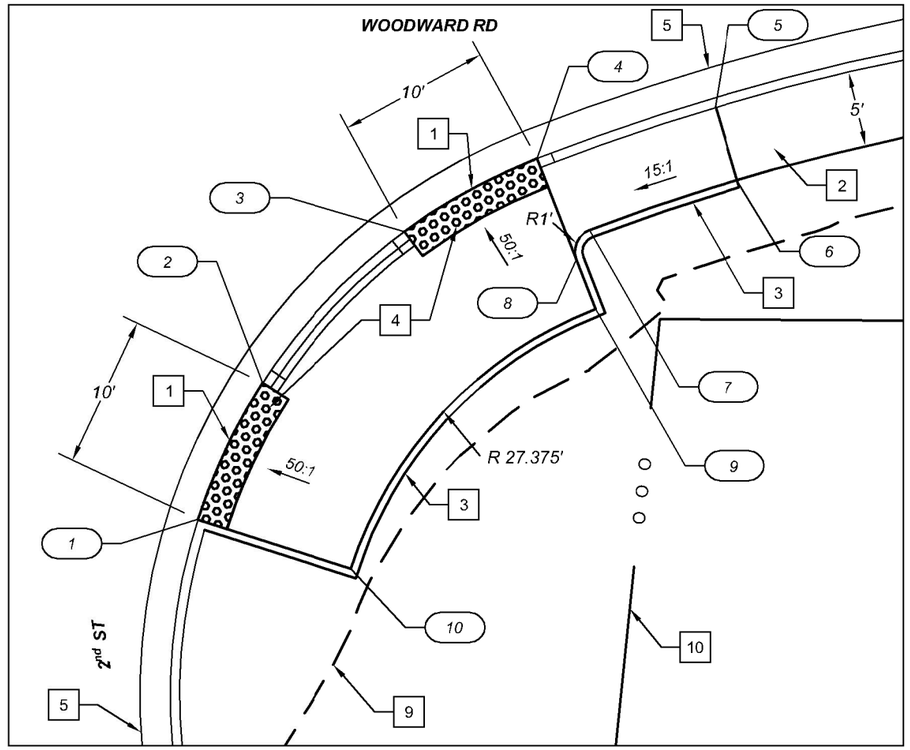
SHEET 2-18 OF

DESIGNED BY:

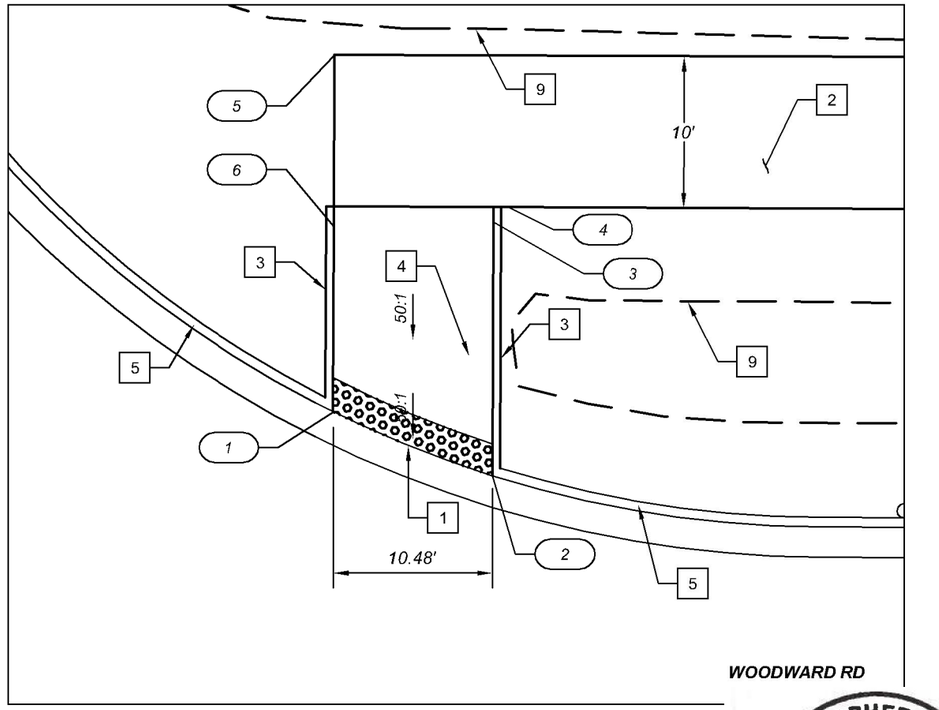
DRAWING SCALE:

NMDOT CN: A300161

60572657.C:\pwworking\aecom_de18_nd\chris.rosol@aecom.com\d0116496\A300161_2-18MID.dwg PLOTTED: 7/14/20 - 2:04pm chris.rosol



CURB RAMP DETAIL
STA 101+50 RT



CURB RAMP DETAIL
STA 101+70 LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO FLOWLINE OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 2-SERIES AND 3- SERIES FOR ADDITIONAL INFORMATION
3. SEE CURB RAMPS GRADING POINTS SHEET FOR ADDITIONAL INFORMATION

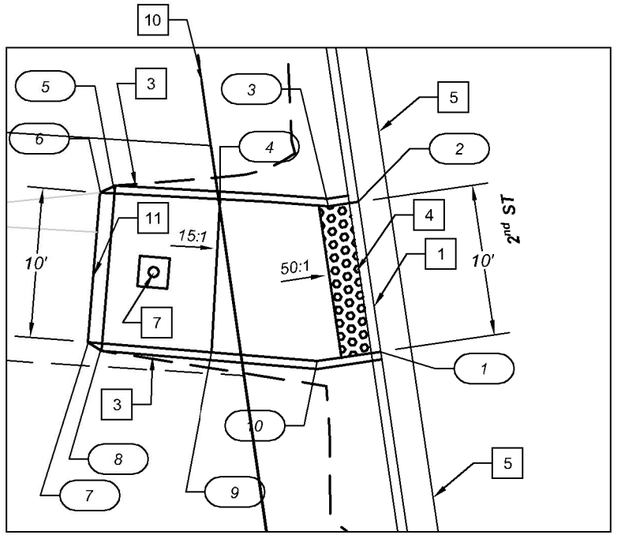
KEYED NOTES

1	BUILD CURB RAMP
2	BUILD SHARED USE PATH, PAVEMENT SECTION C
3	BUILD HEADER CURB PER COA 2415B
4	DETECTABLE WARNING SURFACE (DWS)
5	BUILD STANDARD CURB & GUTTER PER COA 2415A
6	PEDESTRIAN/BICYCLE RAIL. SEE 2-SERIES FOR INFORMATION
7	BUILD STATIONARY POST PER COA 2250 (PAID AS 667500 - BOLLARD)
8	RELOCATE FIRE HYDRANT. SEE 3-SERIES FOR INFORMATION
9	LIMITS OF CONSTRUCTION
10	EXISTING RIGHT OF WAY
11	CONNECT TO EXISTING TRAIL. MATCH EXISTING PAVEMENT AND CROSS SLOPE

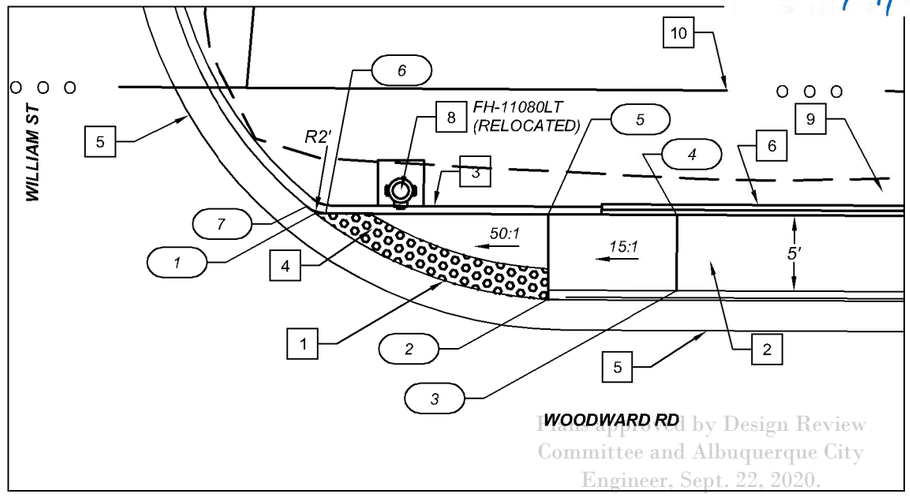
LEGEND

XX SEE SHEET 2-21 FOR ELEVATION DATA

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
7/14/2020



CURB RAMP DETAIL
STA 208+40 LT



CURB RAMP DETAIL
STA 111+00 LT

Reviewed by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

0 10 20 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

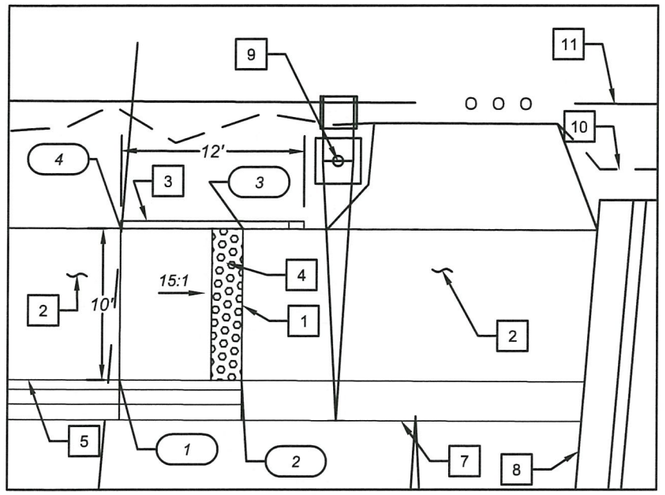
WOODWARD ROAD IMPROVEMENTS
INTERSECTION LAYOUT DETAILS: CURB RAMPS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

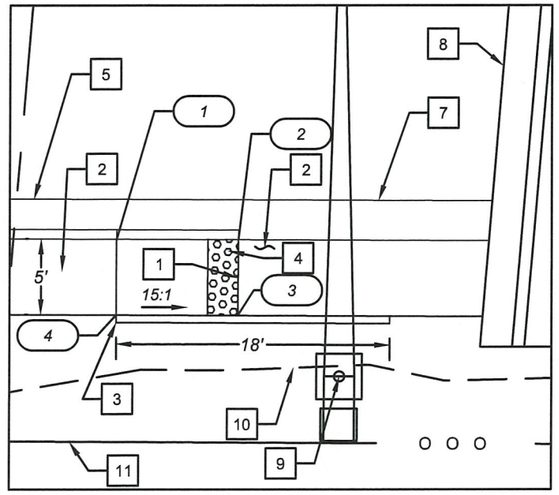
SHEET 2-19 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

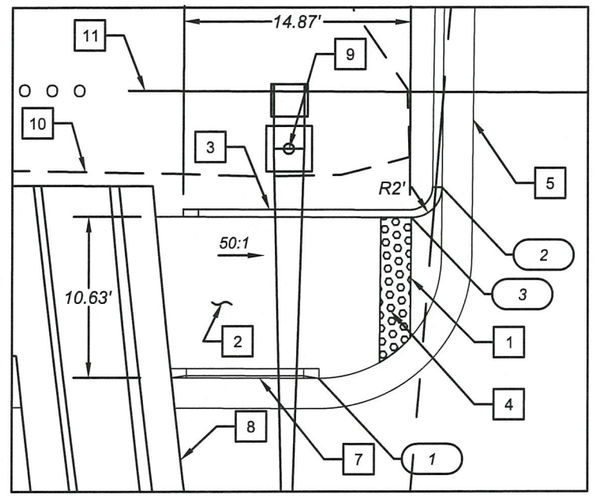
60572657 C:\pwrevit\tmp\vacom_da18_ex\chris.rosol@aecom.com\d0118496\A300161_2-19M0.dwg PLOTTED: 7/13/20 – 3:48pm chris.rosol



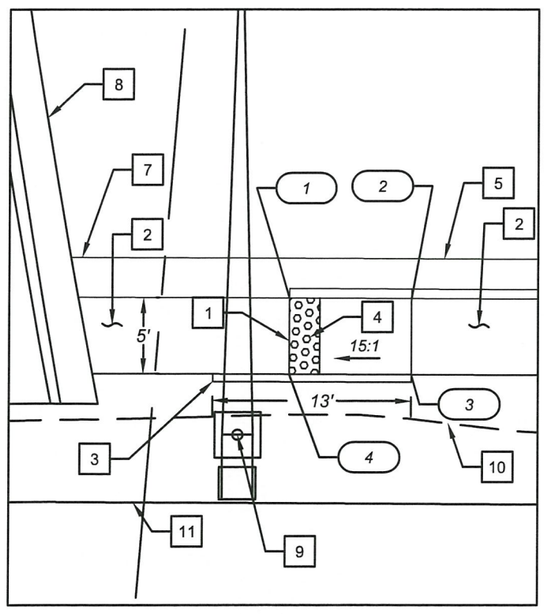
CURB RAMP DETAIL
STA 109+50 LT



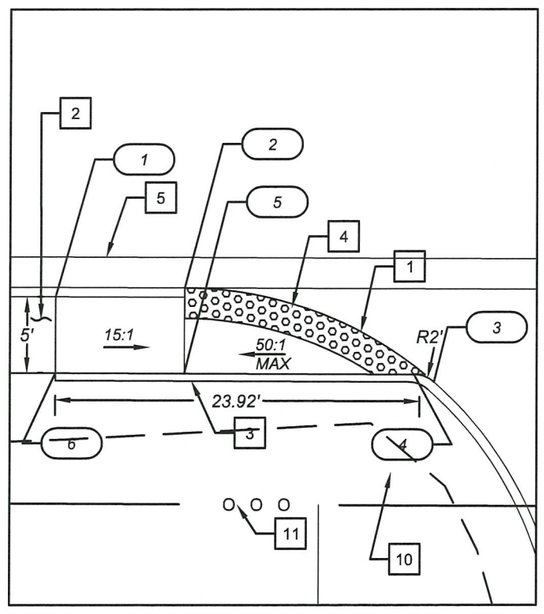
CURB RAMP DETAIL
STA 109+50 RT



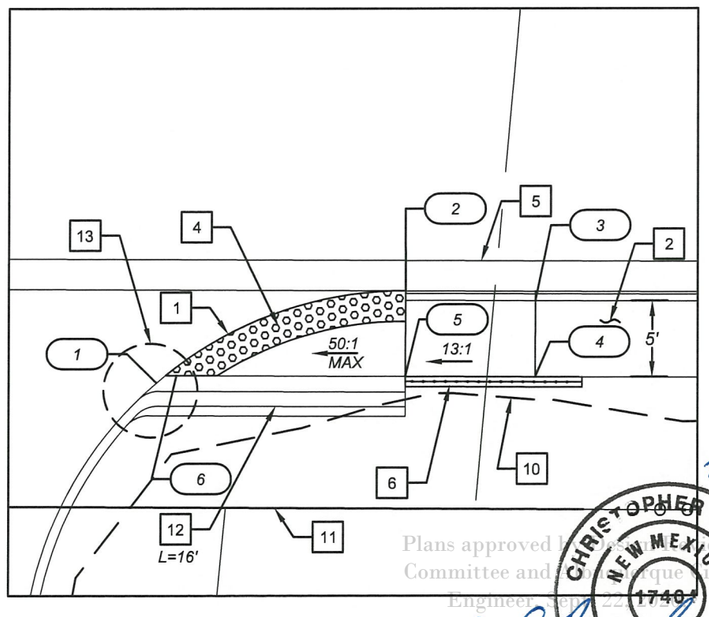
CURB RAMP DETAIL
STA 110+40 LT



CURB RAMP DETAIL
STA 110+55 RT



CURB RAMP DETAIL
STA 111+75 RT



CURB RAMP DETAIL
STA 112+50 RT

Plans approved by the
Committee and the Albuquerque
Engineer, as of 2019

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER
24 Sep 2019

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO FLOWLINE OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 2-SERIES AND 3- SERIES FOR ADDITIONAL INFORMATION
3. SEE CURB RAMPS GRADING POINTS SHEET FOR ADDITIONAL INFORMATION

KEYED NOTES

1	BUILD CURB RAMP
2	BUILD CONCRETE SIDEWALK, 4" PER COA 2430
3	BUILD HEADER CURB PER COA 2415B
4	DETECTABLE WARNING SURFACE (DWS)
5	BUILD STANDARD CURB & GUTTER PER COA 2415A
6	PEDESTRIAN/BICYCLE RAIL. USE FOUNDATION SCHEME #2 PER 607-20-1/4 THROUGH 4/4
7	BUILD ESTATE CURB PER COA 2415A
8	RAILROAD PANELS. SEE 16-SERIES FOR INFORMATION
9	RAILROAD CROSSING GATES SHOWN FOR INFORMATION ONLY. FINAL INSTALLED LOCATION TO BE DETERMINED BY RAILROAD CONTRACTOR BEFORE CONSTRUCTION STARTS
10	LIMITS OF CONSTRUCTION
11	EXISTING RIGHT OF WAY
12	BUILD MOUNTABLE CURB ROLL TYPE PER COA 2415A
13	TRANSITION FROM VERTICAL VALLEY GUTTER CURB TO MOUNTABLE ROLL CURB

LEGEND

(XX) SEE SHEET 2-21 FOR ELEVATION DATA

N

0 10 20 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
INTERSECTION LAYOUT DETAILS: CURB RAMPS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-20 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson30@aecom.com\d0116496\A300161_2-20MD.dwg PLOTTED: 7/24/19 - 10:33am Jordan.Thompson11

CURB RAMP STA 208+40 LT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	208+40.35	18.00' LT	4939.81	FLOWLINE
2	208+50.35	18.00' LT	4939.80	FLOWLINE
3	208+50.35	20.00' LT	4939.84	RAMP
4	208+51.85	27.00' LT	4939.98	RAMP
5	208+53.25	33.86' LT	4938.94	RAMP
6	208+53.43	34.78' LT	4938.91	MATCH EXISTING
7	208+43.80	37.02' LT	4939.35	MATCH EXISTING
8	20843.58	36.11' LT	4939.39	RAMP
9	208+41.93	29.02' LT	4939.94	RAMP
10	208+40.35	22.22' LT	4939.89	RAMP

CURB RAMP STA 101+50 RT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	101+44.31	63.33' RT	4938.63	FLOWLINE
2	101+48.54	54.30' RT	4938.87	FLOWLINE
3	101+57.89	44.28' RT	4939.17	FLOWLINE
4	101+66.61	39.44' RT	4938.65	FLOWLINE
5	101+78.37	36.01' RT	4939.82	BACK OF CURB
6	101+79.82	40.80' RT	4939.89	BACK OF SIDEWALK
7	101+70.08	44.13' RT	4938.90	BACK OF SIDEWALK
8	101+69.22	46.08' RT	4938.79	BACK OF SIDEWALK
9	101+70.50	49.33' RT	4938.86	BACK OF SIDEWALK
10	101+54.44	66.53' RT	4938.84	BACK OF SIDEWALK

CURB RAMP STA 101+70 LT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	101+58.16	28.45' LT	4938.86	FLOWLINE
2	101+68.66	24.28' LT	4938.88	FLOWLINE
3	101+68.66	41.00' LT	4939.21	RAMP
4	101+69.66	42.00' LT	4939.23	SIDEWALK
5	101+58.16	52.00' LT	4939.55	SIDEWALK
6	101+58.16	41.00' LT	4939.1	RAMP

CURB RAMP STA 109+50 LT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	109+46.00	21.63' LT	4942.90	BACK OF CURB
2	109+54.00	21.63' LT	4942.36	RAMP
3	109+54.00	31.63' LT	4942.43	RAMP
4	109+46.00	31.63' LT	4942.97	BACK OF SIDEWALK

CURB RAMP STA 109+50 RT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	109+48.32	26.62' RT	4944.79	BACK OF CURB
2	109+56.32	26.62' RT	4944.26	RAMP
3	109+56.32	31.62' RT	4944.86	RAMP
4	109+48.32	31.62' RT	4944.33	BACK OF SIDEWALK

CURB RAMP STA 110+40 LT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	110+38.89	21.00' LT	4944.67	BACK OF CURB
2	110+46.91	33.61' LT	4944.80	FLOWLINE
3	110+44.90	31.61' LT	4944.82	RAMP

CURB RAMP STA 110+55 RT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	110+50.23	26.62' RT	4944.58	RAMP
2	110+58.23	26.62' RT	4945.12	RAMP
3	110+58.23	31.62' RT	4945.19	BACK OF CURB
4	110+50.23	31.62' RT	4944.65	SIDEWALK

CURB RAMP STA 111+00 LT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	110+89.13	32.07' LT	4953.64	FLOWLINE
2	111+05.02	26.03' LT	4943.88	FLOWLINE
3	111+13.52	26.63' LT	4944.48	BACK OF SIDEWALK
4	111+13.52	31.62' LT	4944.55	BACK OF SIDEWALK
5	111+05.02	31.62' LT	4953.95	RAMP
6	110+90.39	31.62' LT	4953.66	RAMP

CURB RAMP STA 111+75 RT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	111+59.26	26.62' RT	4944.60	BACK OF CURB
2	111+67.76	26.00' RT	4943.94	FLOWLINE
3	111+84.14	32.11' RT	4943.70	FLOWLINE
4	111+82.83	31.62' RT	4943.72	RAMP
5	111+67.76	31.62' RT	4944.02	RAMP
6	111+59.26	31.62' RT	4944.68	BACK OF SIDEWALK

CURB RAMP STA 112+50 RT

ID	STATION	OFFSET	ELEVATION	DESCRIPTION
1	112+40.37	32.11' RT	4944.08	FLOWLINE
2	112+56.76	26.00' RT	4944.33	FLOWLINE
3	112+65.26	26.62' RT	4944.99	RAMP
4	112+65.26	31.62' RT	4945.06	BACK OF CURB
5	112+56.76	31.62' RT	4944.40	SIDEWALK
6	112+41.68	31.62' RT	4944.10	SIDEWALK

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO FLOWLINE OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 2-SERIES AND 3- SERIES FOR ADDITIONAL INFORMATION

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee and Albuquerque City Engineer

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

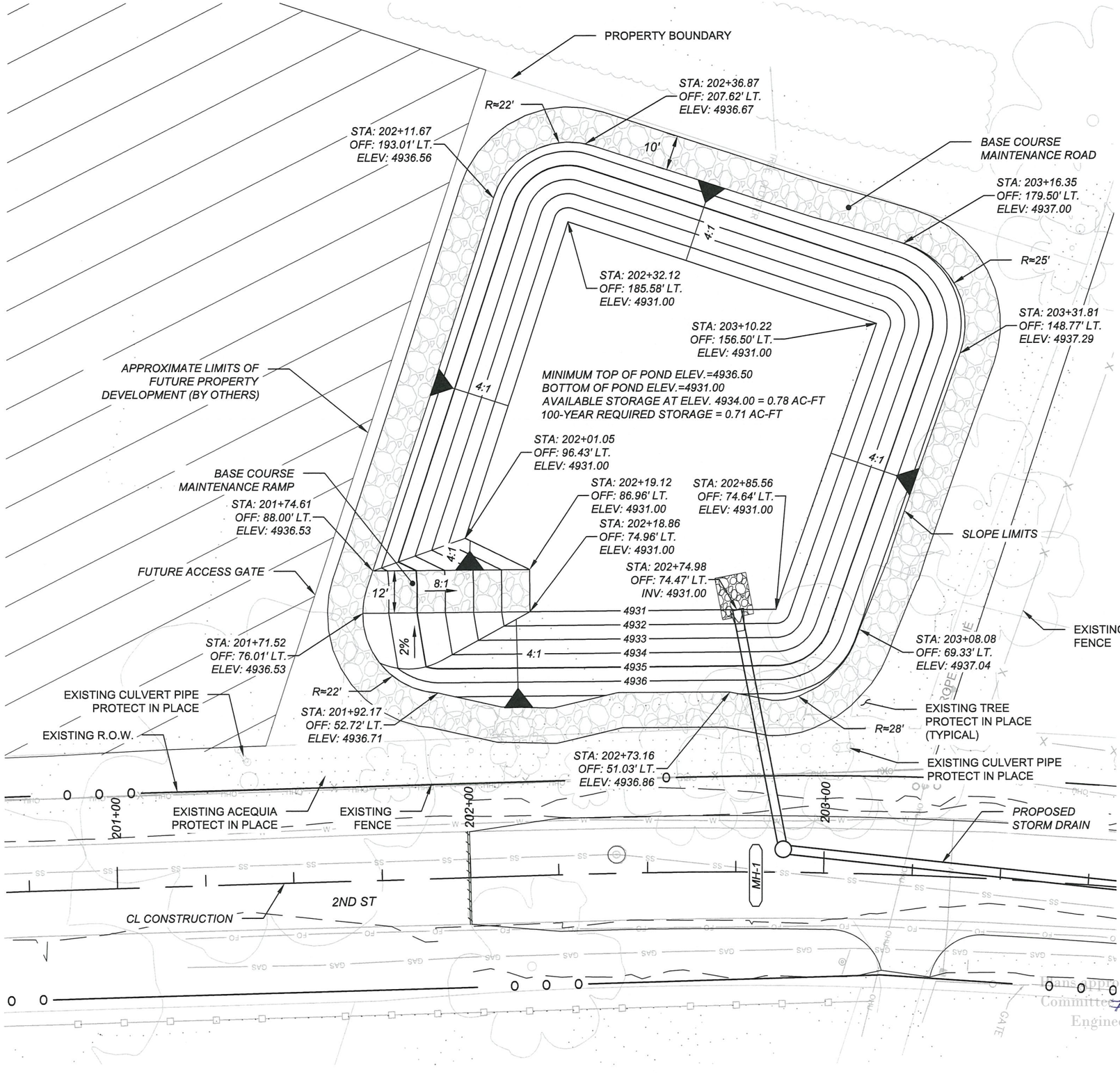
WOODWARD ROAD IMPROVEMENTS
INTERSECTION LAYOUT DETAILS:
CURB RAMPS GRADING POINTS

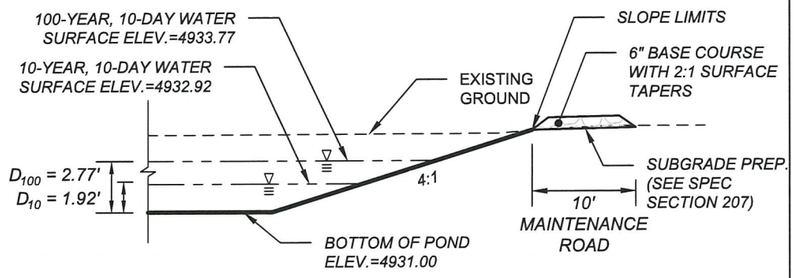
BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 2-21 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pw\working\vecom_ds16_su\jordan.thompson3@aecom.com\d0116496\A300161_2-21MD.dwg PLOTTED: 7/24/19 - 10:33am Jordan Thompson11





2ND ST POND TYPICAL SECTION
N.T.S.

0 30 60
FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

2ND ST POND GRADING DETAILS

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7.24.19

Transportation Project Advisory Board
Committee Approval
Engineer

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET OF
2-21A

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

605728S7 C:\pwworking\wsp\wsp_ds16_no1.std12259\d01164965\A300161_M002.dwg PLOTTED: 7/24/19 - 3:24pm USA5671341

STORM WATER POLLUTION PREVENTION PLAN INFORMATION

NOI INPUTS

NMDOT PROJECTS REQUIRE ELECTRONIC NOI SUBMISSION- PAPER SUBMISSION REQUIRES PRIOR APPROVAL.	
PERMIT NUMBER: NMR100000 STATE OF NEW MEXICO, EXCEPT INDIAN COUNTRY NMR101000 INDIAN COUNTRY WITHIN THE STATE OF NEW MEXICO, EXCEPT NAVAJO RESERVATION LANDS THAT ARE COVERED UNDER ARIZONA PERMIT AZ100001 AND UTE MOUNTAIN RESERVATION LANDS THAT ARE COVERED UNDER COLORADO PERMIT COR100001.	
OPERATOR NAME: BERNALILLO COUNTY PUBLIC WORKS	
POINT OF CONTACT: BERNALILLO COUNTY PUBLIC WORKS	
NOI PREPARED BY: BERNALILLO COUNTY PUBLIC WORKS	
PROJECT / SITE NAME: BERNALILLO COUNTY PROJECT NUMBER: TS.2015.WOODWD	
PROJECT / SITE ADDRESS: WOODWARD ROAD	
LATITUDE:	35.0487° N
LONGITUDE:	106.6500° W
ESTIMATED PROJECT START DATE:	TO BE DETERMINED BY PROJECT MANAGER
ESTIMATED PROJECT COMPLETION DATE:	TO BE DETERMINED BY PROJECT MANAGER
ESTIMATED AREA TO BE DISTURBED (NEAREST 1/4 ACRE):	6.75 ACRES
TYPE OF CONSTRUCTION	HIGHWAY OR ROAD
DEMOLITION OF ANY STRUCTURES, 10,0000 SQUARE FEET OR GREATER BUILT OR RENOVATED BEFORE JANUARY 1, 1980? (YES/NO)	NO
WAS THE PREDEVELOPMENT LAND USE FOR AGRICULTURE? (YES/NO)	YES
COMMENCED EARTH-DISTURBING ACTIVITIES?:	NO
PREVIOUS NPDES PERMIT? IF YES, PERMIT NO:	NO
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4): (NAME)	YES; MIDDLE RIO GRANDE
SURFACE WATERS WITHIN 50 FT? (YES\NO)	YES
RECEIVING WATER:	RIO GRANDE (TIJERAS ARROYO TO ALAMEDA BRG.)
IMPAIRED WATERS:	YES
IMPAIRED WATERS METHOD: ONLINE CONSULTATION OF NEW MEXICO ENVIRONMENT DEPARTMENT LISTING OF STATEWIDE 303D AND TMDL IMPAIRMENTS.	
TIER 2, TIER 2.5, TIER 3 WATERS - (CONSULT 2017 CGP APPENDIX "F")	
CHEMICAL TREATMENT INFORMATION - TYPICAL NMDOT PROJECT WILL NOT UTILIZE THESE CHEMICALS.	
SWPPP CONTACT INFORMATION - DISTRICT PROJECT MANAGER	
ENDANGERED SPECIES CRITERIA - (A, B, C, D, E, OR F): B	
HISTORIC PRESERVATION - HISTORIC PROPERTIES WILL NOT BE IMPACTED. THE ENVIRONMENTAL COMMITMENTS WILL INDICATE EXISTENCE OF HISTORIC PROPERTIES. IF HISTORIC PROPERTIES EXIST, THE TESCP SHEETS CAN SHOW NO EFFECT ON HISTORIC PROPERTIES. ALL STORMWATER CONTROLS REQUIRE SUBSURFACE DISTURBANCE.	
CERTIFICATION:NOI MUST BE CERTIFIED BY "A PRINCIPAL EXECUTIVE OFFICER OR RANKING ELECTED OFFICIAL".	

MS4 RETENTION

PRE-PROJECT IMPERVIOUS AREA	2.71 ACRES
POST-PROJECT IMPERVIOUS AREA	5.05 ACRES
NET INCREASE IN IMPERVIOUS AREA	2.34 ACRES
REQUIRED RETAINED RAINFALL DEPTH (A)	0.48 INCHES
REQUIRED RETENTION VOLUME	4,077 CUBIC FEET

(A) SEE EPA PUBLICATION 832-R-15-009

1. THE 2012 EDITION OF NMDOT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MANUAL AND SECTION 603 - TEMPORARY EROSION AND SEDIMENT CONTROL OF THE 2019 NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION - SHALL BE USED AS MINIMUM REQUIREMENTS TO DEVELOP OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. THE NPDES PERMIT NUMBER FOR THE PROJECT OR A COPY OF THE NOTICE OF INTENT (NOI), IF A PERMIT NUMBER HAS NOT YET BEEN ASSIGNED, SHALL BE POSTED AT THE PROJECT SITE OR THE FIELD OFFICE AT ALL TIMES DURING CONSTRUCTION.
3. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL MAINTENANCE AND INSPECTION REPORTS SHALL BE SIGNED BY A QUALIFIED INSPECTOR ASSIGNED BY THE CONTRACTOR. THE SWPPP AND THE INSPECTION REPORTS SHALL BE AVAILABLE TO EPA REPRESENTATIVES AT ALL TIMES DURING CONSTRUCTION.
4. ALL DRAINAGE INFORMATION NEEDED TO COMPLETE THE NOTICE OF INTENT (NOI) IS PROVIDED IN THIS PLAN.
5. THE CONTRACTOR SHALL SPECIFICALLY DEFINE ALL REQUIRED CONTROL MEASURES FOR EACH CONSTRUCTION PHASE, AND SHALL COMPLY WITH THE PROVISIONS OF THE NPDES MANUAL AND THE 2017 CONSTRUCTION GENERAL PERMIT.
6. THE FINAL SEEDING AND REVEGETATION PLAN, ALONG WITH THE MEASURES SHOWN ON THE FINAL STABILIZATION TESCP SHEETS (IF INCLUDED) SERVE AS THE FINAL SOIL STABILIZATION MANAGEMENT PRACTICE.
7. BMPS, WHICH INCLUDE FINAL STABILIZATION SEEDING, SHOWN IN THESE PLANS ARE DETERMINED USING THE RUSLE2 SOFTWARE IN ACCORDANCE WITH THE DEPARTMENTS DRAINAGE MANUALS LATEST EDITIONS. BMPS CONTROL SEDIMENT SO THAT NO ADDITIONAL SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES DISCHARGE TO THE WATERWAYS.

New Mexico DEPARTMENT OF TRANSPORTATION
MOBILITY FOR EVERYONE

RUSLE2 Worksheet Erosion Calculation Record

Info: RUSLE2 version 2.6,10.3, November, 2017

Inputs:

Project Name	*Location*	--
Woodward	USA\New Mexico\Bernalillo County\NM_Bernalillo_R9	

Soil Segments:

Segment	*Seg length (horiz), ft*	*Soil*
1	38.0	Bernalillo County and Parts of Sandoval and Valencia Counties, NM600\Gm Glendale clay loam, 0 to 1 percent slopes MLRA 42.1\Glendale Clay loam 85%

Slope Segments:

Segment	*Seg length (horiz), ft*	*Steepness, xH:1V*
1	25.0	50.0
2	2.0	10.0
3	4.0	3.0
4	7.0	50.0

Outputs:

SUMMARY OF ALTERNATIVE RUNS ON THE SITE:

Base management	*Soil loss erod. portion, t/ac/yr*	*Soil detachment, t/ac/yr*	*Sed. delivery, t/ac/yr*
NMDOT Zone 5\-Existing Undisturbed Vegetative Cover\bare ground	0.43	0.63	0.43
NMDOT Zone 5\Class A slopes 3:1and flatter, drilled seeding with mulch \ Fall Drilled seeding, 4000 lbs crimped straw mulch, low condition	0.42	0.65	0.42
NMDOT Zone 5\Class A slopes 3:1and flatter, drilled seeding with mulch \ Spring Drilled seeding, 4000 lbs crimped straw mulch, low condition	0.14	0.65	0.14
NMDOT Zone 5\Class A slopes 3:1and flatter, drilled seeding with mulch \ Summer Drilled seeding, 4000 lbs crimped straw mulch, low condition	0.19	0.65	0.19
NMDOT Zone 5\Class A slopes 3:1and flatter, drilled seeding with mulch \ Winter Drilled seeding, 4000 lbs crimped straw mulch, low condition	0.14	0.65	0.14

RUSLE2 Disclaimer

The accuracy of the RUSLE2 model input variables will impact the accuracy of the model output (sediment delivery) values. The model 's input variables are based on the Best Professional Judgment of the Subject Matter Experts that have direct experience with the data used in the model. According to the Natural Resources Conservation Service Official RUSLE2 Program Website (accessed on June 6, 2014), confidence in model results are best (+/- 25%) when the resultant sediment delivery is between 4 and 30 tons/acre/year and the least (> +/- 100%) when resultant sediment delivery is less than 1 ton/acre/year. Results that range between 1 and 4 tons /acre/year and 30 to 50 tons/acre/year have a moderate confidence level (+/- 50%). When resultant sediment delivery is greater than 50 tons/acre/year, confidence levels are lower (> +/- 50%).
For purposes of pre-construction, during construction, and post-construction comparisons: if model output results in sediment delivery less than 1 ton/acre/year, conditions will be considered equal since the level of accuracy suggests that sediment delivery from the site would remain constant. To most appropriately reflect model output accuracy, results will be reported as whole numbers.

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7.24.19

Plans approved by Development Review Committee of the Albuquerque City Engineer 7.22.2019

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
STORM WATER POLLUTION PREVENTION PLAN INFORMATION

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-22 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

605726857.C:\jmmorbly\secom_dist6_nx\wt1225R\dt116466\A300161_2-TP00.dwg PLOTTED: 7/24/19 - 8:55am USA5871341

FINAL STABILIZATION T.E.S.C.P. QUANTITIES		603220		603250		603262	
		CHECK DAM TYPE I		DROP INLET PROTECTION TYPE I		COMPOSTED MULCH SOCKS	
		L.F.		EACH		L.F.	
STATION TO STATION		LT.	RT.	LT.	RT.	LT.	RT.
WOODWARD RD. CL OF CONSTRUCTION							
106+10				1			
112+36	112+75						55
112+60	112+85					25	
118+63				1			
125+05				1			
125+60	126+25						65
125+70	126+25					55	
2ND ST. CL OF CONSTRUCTION							
202+00	203+63		10			170	
203+74			10				
204+67					1		
204+75	207+45						270
208+01				1 *	1 *		
209+56			10				
209+79					1		
210+90			10				
212+00	213+35						135
213+55	214+15						60
	SUBTOTALS	0	40	4	3	250	585
	PROJECT TOTAL		40		7		835
	PROJECT USE		***40***		***7***		***835***

* TYPE II DROP INLET PROTECTION SHALL BE USED AT THIS LOCATION AND PAID FOR AS ITEM NO. 603250 DROP INLET PROTECTION TYPE I.

Plans approved by Design Review Committee of Albuquerque (City) Engineer

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7.24.19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

FINAL STABILIZATION T.E.S.C.P. QUANTITIES

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-23 OF

DESIGNED BY:

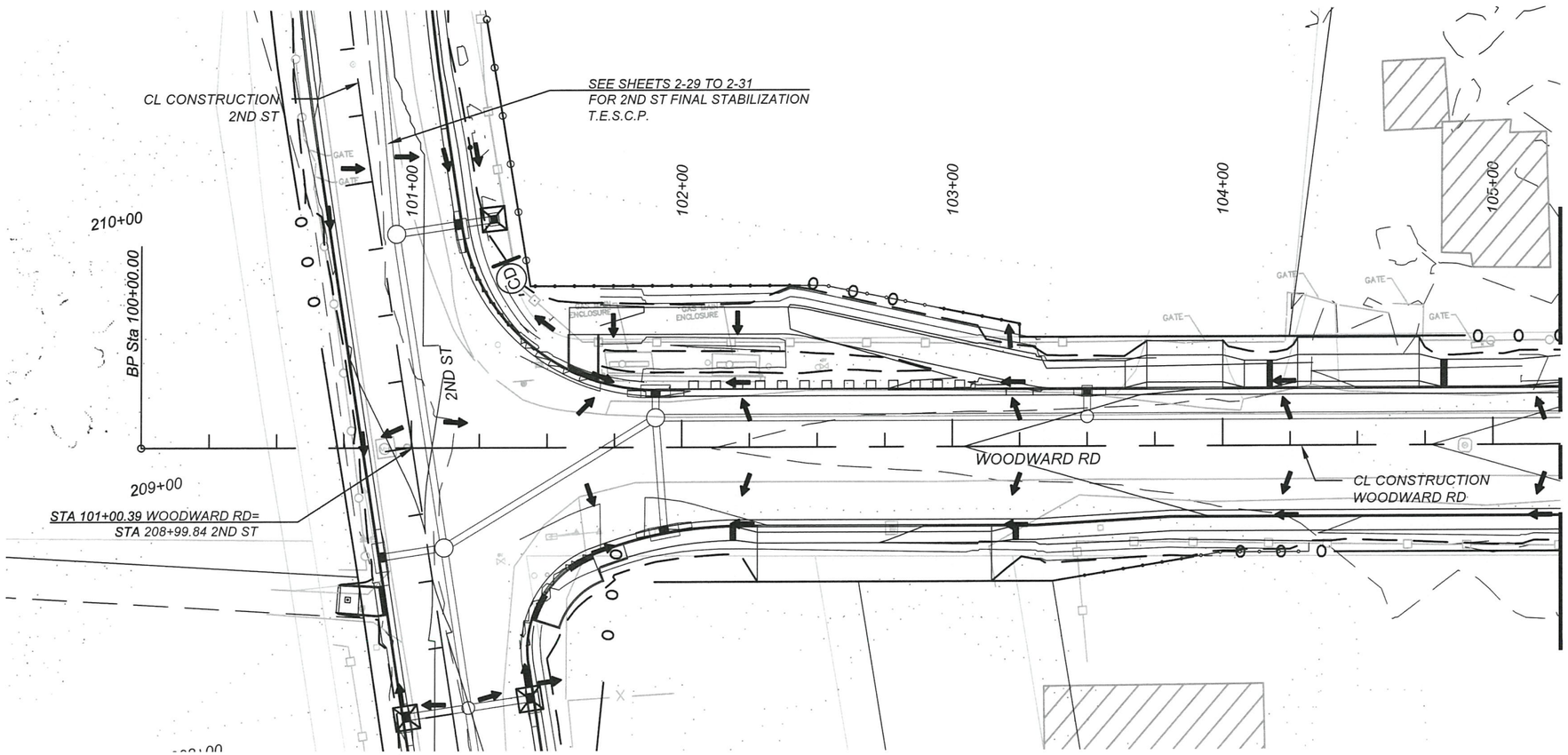
DRAWING SCALE:

NMDOT CN: A300161

605726S7 C:\pwworking\aecom_ds16_no\ust12259\d0116496\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 4:12pm USA5671341

NOTES

1. *SLOPE LIMITS DEFINE AREA OF DISTURBANCE.*
2. *THIS PLAN SHOWS TEMPORARY BMP'S IN THEIR LOCATIONS AFTER ALL FINAL GRADING IS COMPLETE. ANY PLACEMENT OF TEMPORARY EROSION CONTROL BMP'S DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS AND PHASING AND TO ELIMINATE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE "CONSTRUCTION GENERAL PERMIT". BMP QUANTITIES ARE BASED ON THESE TESCP PLAN SHEETS.*



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW
- FLOW DIRECTION
- DISCHARGE POINT
- MS — COMPOSTED MULCH SOCK
- TYPE I DROP INLET PROTECTION (STRAW WADDLE)
- CD — TYPE I CHECK DAM
- SLOPE LIMITS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER

Plans approved by Design Review Committee of Albuquerque, NM
Engineer: 7.24.19

WOODWARD ROAD IMPROVEMENTS
FINAL STABILIZATION T.E.S.C.P.
STA 100+00 TO STA 105+25

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-24 OF

DESIGNED BY:

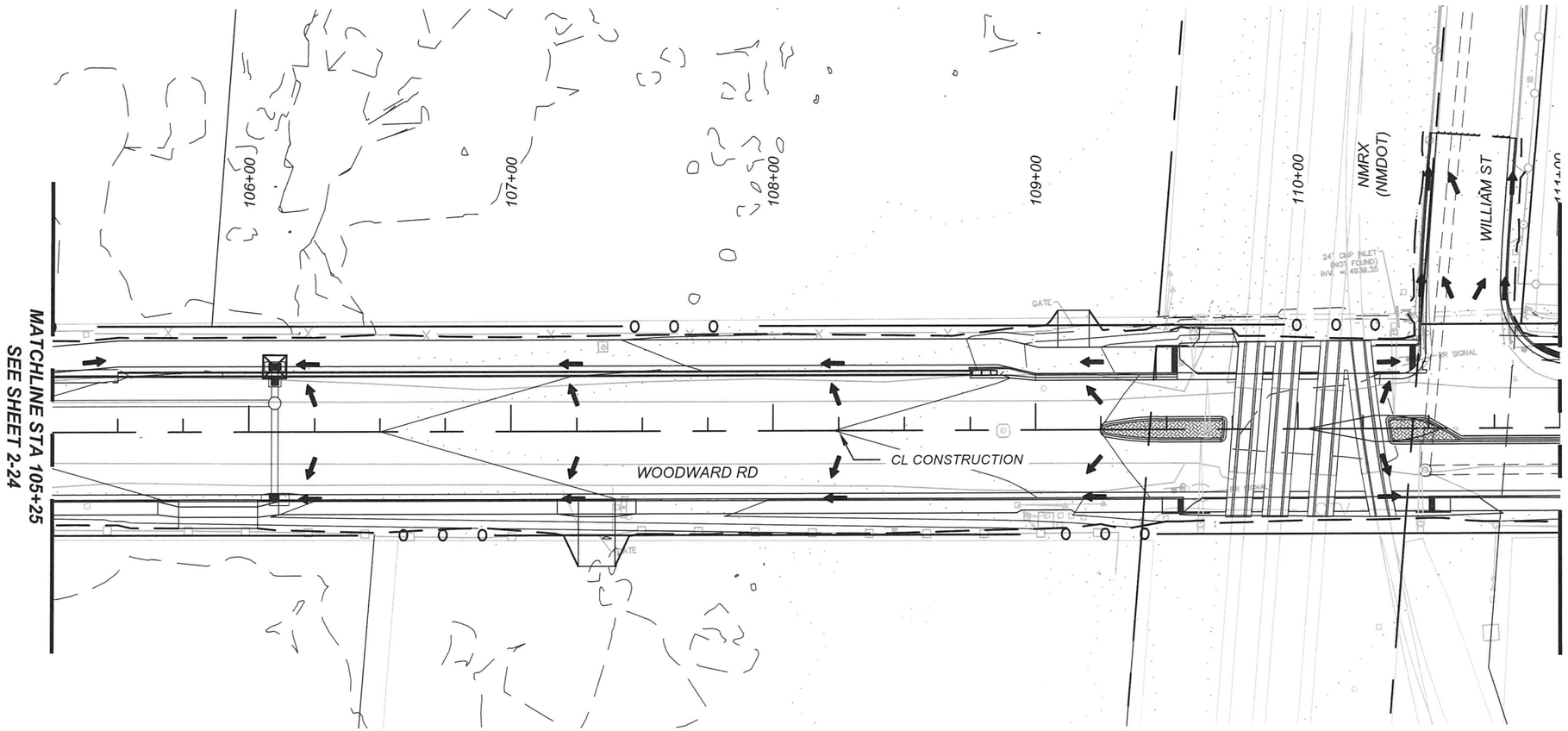
DRAWING SCALE:

NMDOT CN: A300161

605726S7 C:\Users\USAS671341\appdata\local\temp\AcPublish_5344\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 3:17pm USAS671341

NOTES

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE.
2. THIS PLAN SHOWS TEMPORARY BMP'S IN THEIR LOCATIONS AFTER ALL FINAL GRADING IS COMPLETE. ANY PLACEMENT OF TEMPORARY EROSION CONTROL BMP'S DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS AND PHASING AND TO ELIMINATE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE "CONSTRUCTION GENERAL PERMIT". BMP QUANTITIES ARE BASED ON THESE TESCP PLAN SHEETS.



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW
- FLOW DIRECTION
- DISCHARGE POINT
- MS — COMPOSTED MULCH SOCK
- TYPE I DROP INLET PROTECTION (STRAW WADDLE)
- CD — TYPE I CHECK DAM
- SLOPE LIMITS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER

Plans approved by Design Review Committee
Engineer 7-24-19

WOODWARD ROAD IMPROVEMENTS
FINAL STABILIZATION T.E.S.C.P.
STA 105+25 TO STA 111+00

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-25 OF

DESIGNED BY:

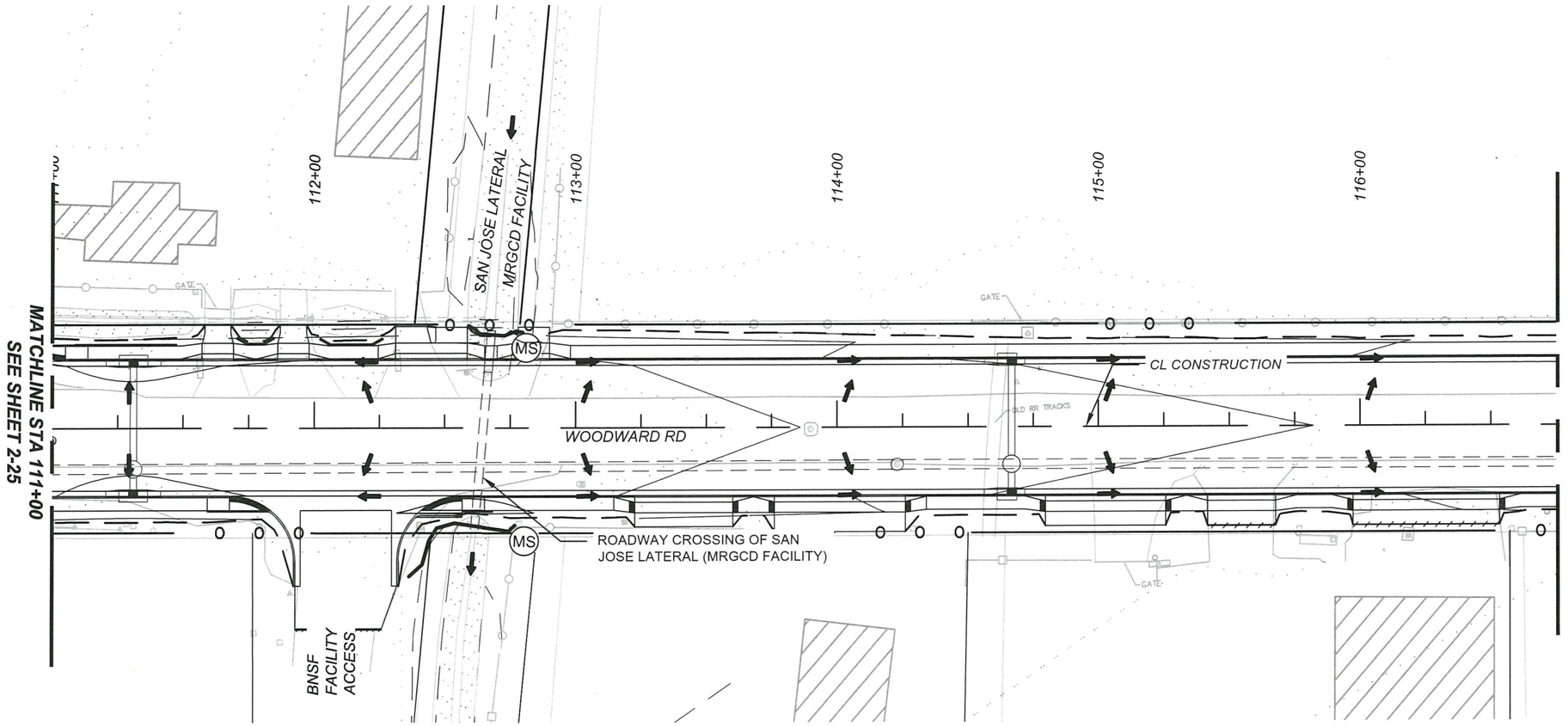
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\USA5671341\appdata\local\temp\AcPublish_5344\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 3:17pm USA5671341

NOTES

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE.
2. THIS PLAN SHOWS TEMPORARY BMP'S IN THEIR LOCATIONS AFTER ALL FINAL GRADING IS COMPLETE. ANY PLACEMENT OF TEMPORARY EROSION CONTROL BMP'S DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS AND PHASING AND TO ELIMINATE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE "CONSTRUCTION GENERAL PERMIT". BMP QUANTITIES ARE BASED ON THESE TESCP PLAN SHEETS.



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW
- FLOW DIRECTION
- DISCHARGE POINT
- MS — COMPOSTED MULCH SOCK
- TYPE I DROP INLET PROTECTION (STRAW WADDLE)
- CD — TYPE I CHECK DAM
- SLOPE LIMITS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7/24/19

Plans approved by Design Review Committee
Engineer, [illegible] 7/24/19

WOODWARD ROAD IMPROVEMENTS
FINAL STABILIZATION T.E.S.C.P.
STA 111+00 TO STA 116+75

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-26 OF

DESIGNED BY:

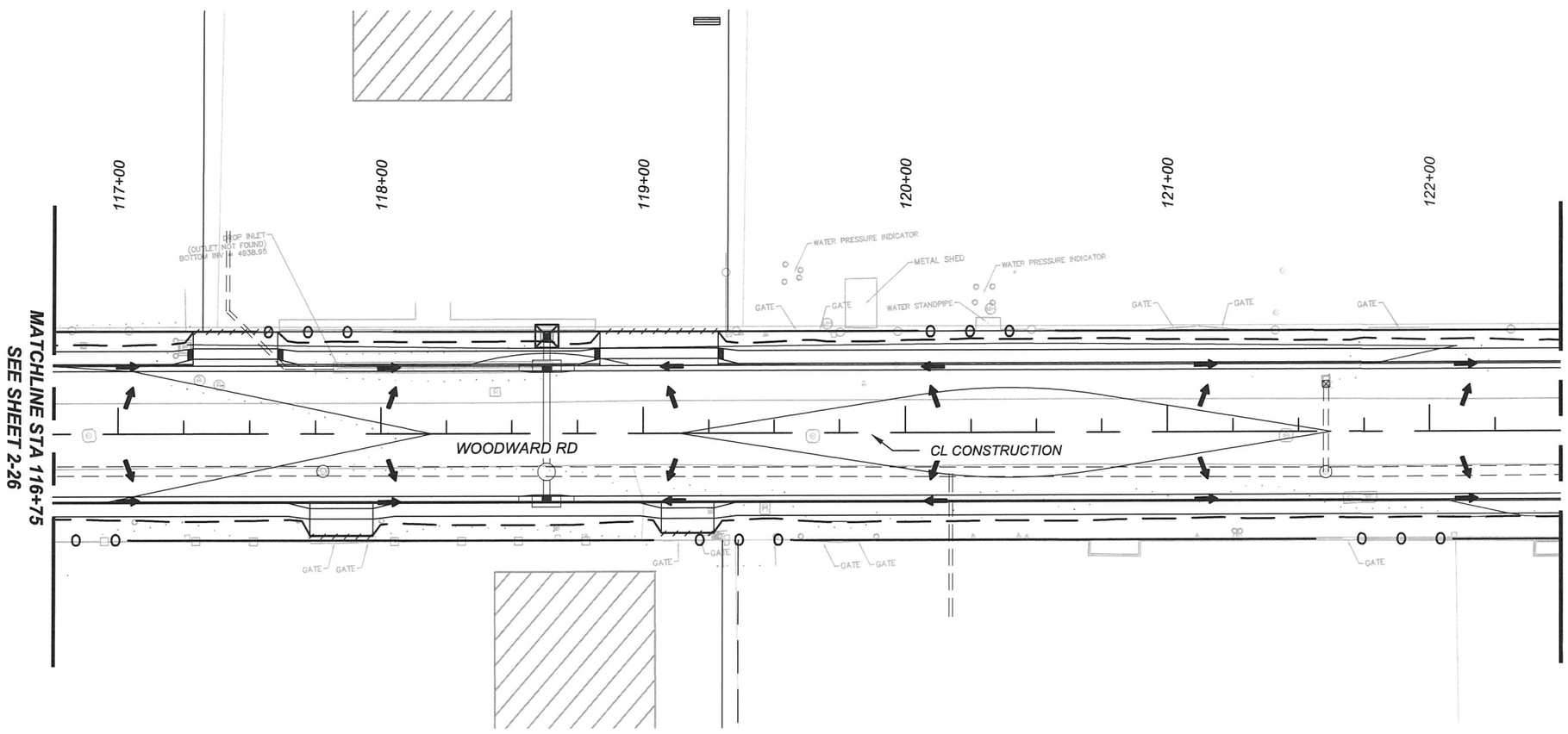
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\USA5671341\appdata\local\temp\AcePublish_5344\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 3:17pm USA5671341

NOTES

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE.
2. THIS PLAN SHOWS TEMPORARY BMP'S IN THEIR LOCATIONS AFTER ALL FINAL GRADING IS COMPLETE. ANY PLACEMENT OF TEMPORARY EROSION CONTROL BMP'S DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS AND PHASING AND TO ELIMINATE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE "CONSTRUCTION GENERAL PERMIT". BMP QUANTITIES ARE BASED ON THESE TESCP PLAN SHEETS.



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW
- FLOW DIRECTION
- DISCHARGE POINT
- MS — COMPOSTED MULCH SOCK
- TYPE I DROP INLET PROTECTION (STRAW WADDLE)
- CD — TYPE I CHECK DAM
- SLOPE LIMITS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7.24.19

Plans approved by Design Review Committee of Albuquerque Area Engineers

WOODWARD ROAD IMPROVEMENTS
FINAL STABILIZATION T.E.S.C.P.
STA 116+75 TO STA 122+50

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-27 OF

DESIGNED BY:

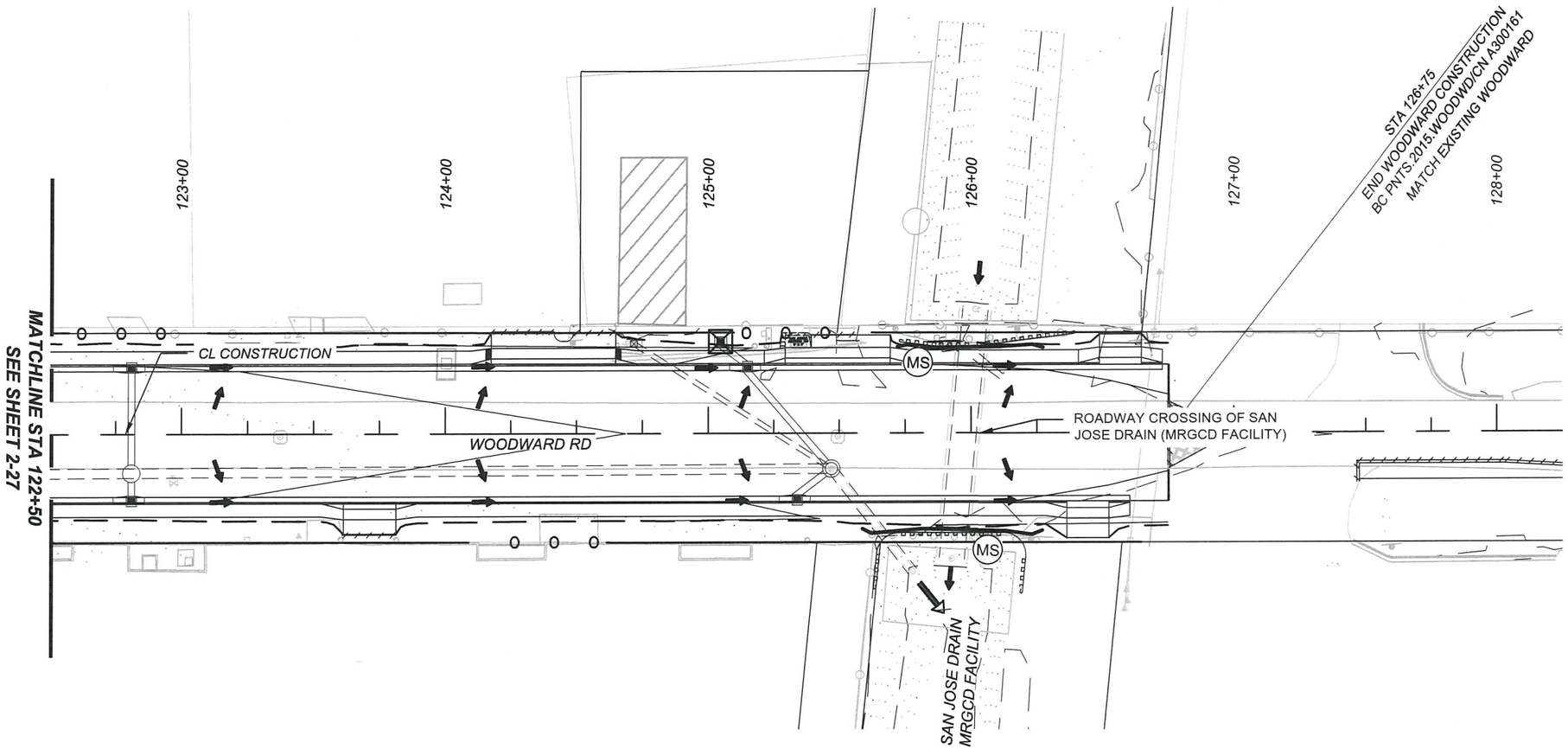
DRAWING SCALE:

NMDOT CN: A300161

605726S7.C:\Users\USA5671341\appdata\local\temp\AcPublish_5344\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 3:17pm USA5671341

NOTES

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE.
2. THIS PLAN SHOWS TEMPORARY BMP'S IN THEIR LOCATIONS AFTER ALL FINAL GRADING IS COMPLETE. ANY PLACEMENT OF TEMPORARY EROSION CONTROL BMP'S DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS AND PHASING AND TO ELIMINATE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE "CONSTRUCTION GENERAL PERMIT". BMP QUANTITIES ARE BASED ON THESE TESCP PLAN SHEETS.



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW
- FLOW DIRECTION
- DISCHARGE POINT
- MS — COMPOSTED MULCH SOCK
- TYPE I DROP INLET PROTECTION (STRAW WADDLE)
- CD — TYPE I CHECK DAM
- SLOPE LIMITS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7.24.19

Plans approved by Design Review Committee for Albuquerque-Bernalillo County Engineering

WOODWARD ROAD IMPROVEMENTS
FINAL STABILIZATION T.E.S.C.P.
STA 122+50 TO STA 128+75

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-28 OF

DESIGNED BY:

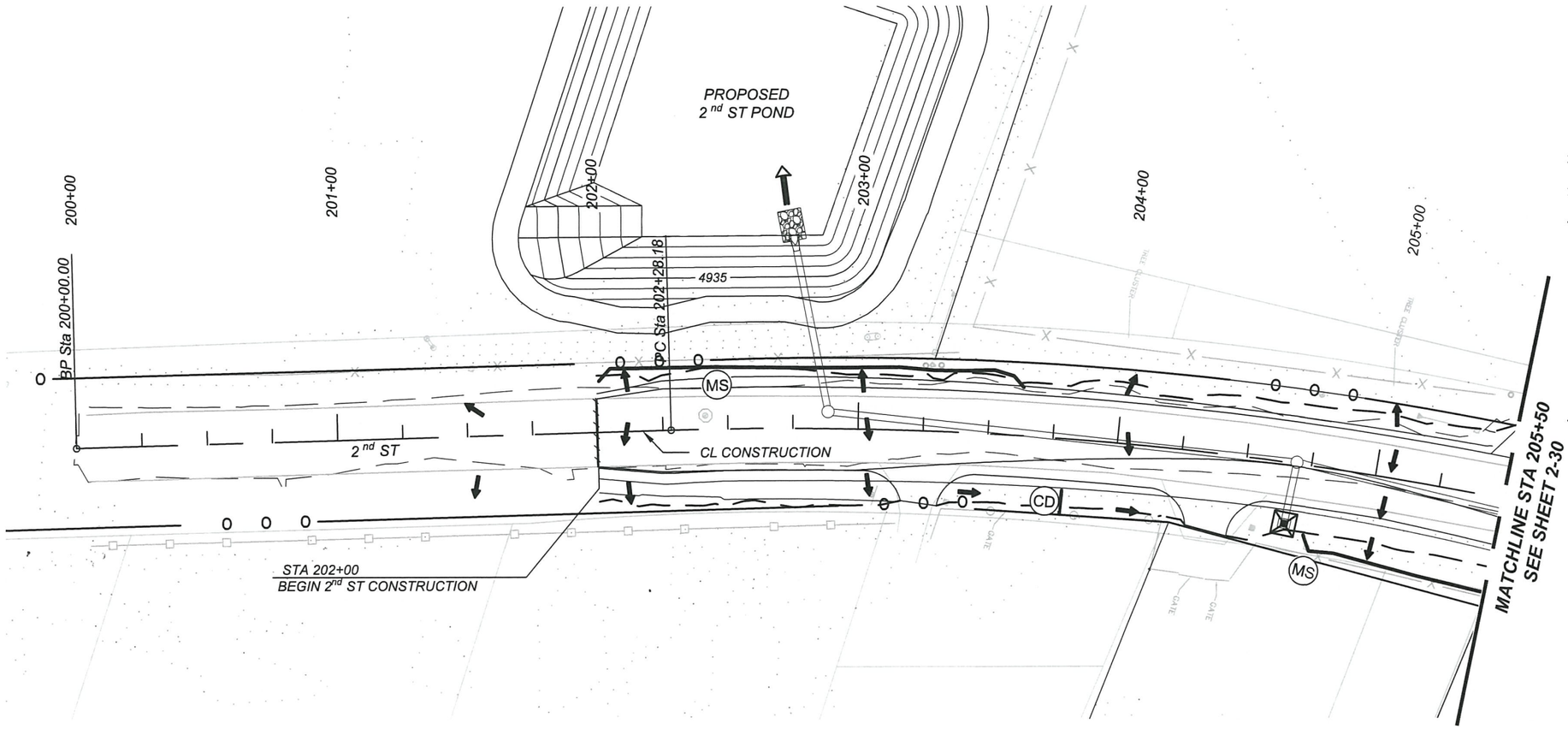
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\USA5671341\appdata\local\temp\AcPublish_5344\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 3:17pm USA5671341

NOTES

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE.
2. THIS PLAN SHOWS TEMPORARY BMP'S IN THEIR LOCATIONS AFTER ALL FINAL GRADING IS COMPLETE. ANY PLACEMENT OF TEMPORARY EROSION CONTROL BMP'S DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS AND PHASING AND TO ELIMINATE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE "CONSTRUCTION GENERAL PERMIT". BMP QUANTITIES ARE BASED ON THESE TESCP PLAN SHEETS.



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW
- FLOW DIRECTION
- DISCHARGE POINT
- MS — COMPOSTED MULCH SOCK
- TYPE I DROP INLET PROTECTION (STRAW WADDLE)
- CD — TYPE I CHECK DAM
- SLOPE LIMITS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357
WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7.24.19

Plans approved by Development Review Committee
Engineer, Date

2ND ST IMPROVEMENTS
FINAL STABILIZATION T.E.S.C.P.
STA 200+00 TO STA 205+50

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-29 OF

DESIGNED BY:

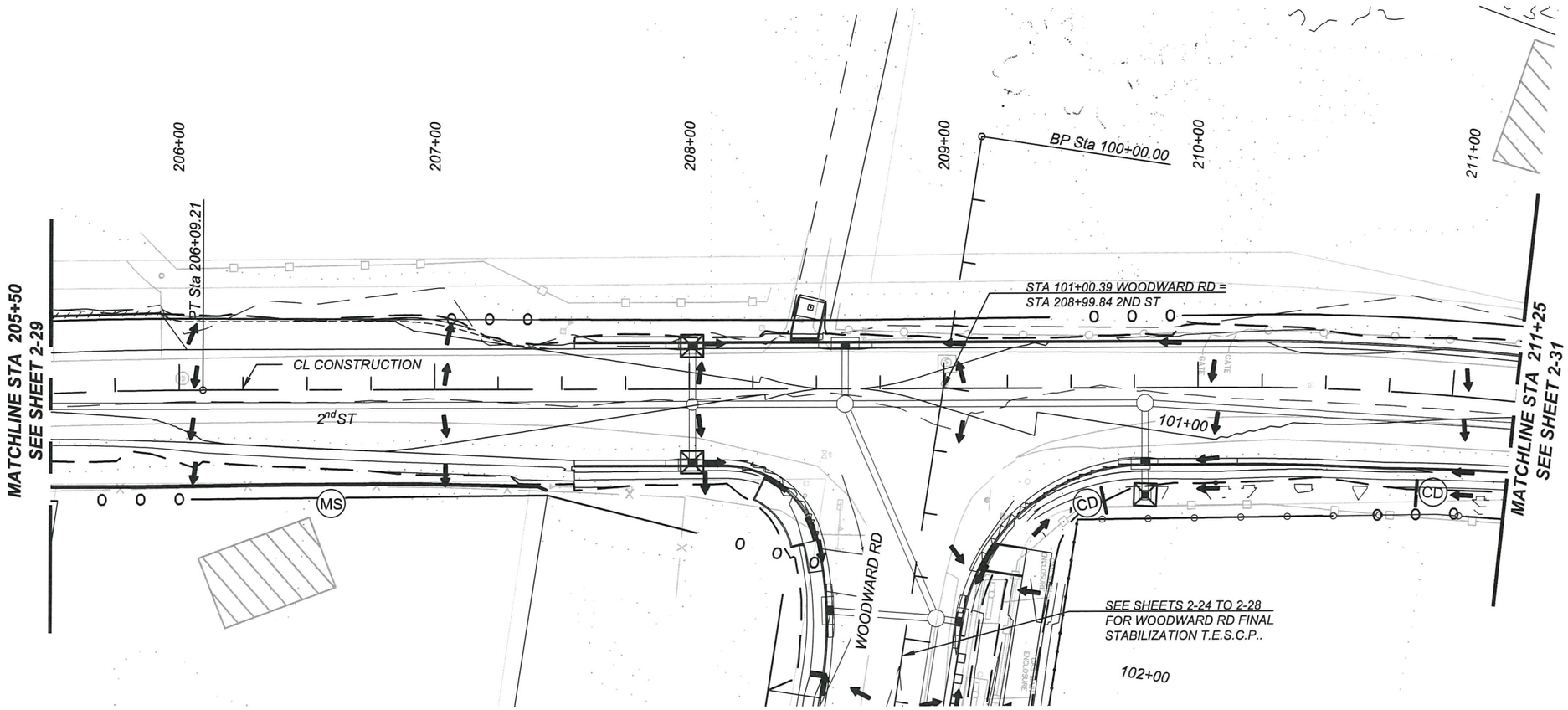
DRAWING SCALE:

NMDOT CN: A300161

605728S7 C:\Users\USAS671341\ppdata\local\temp\AcPublish_5344\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 3:17pm USAS671341

NOTES

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE.
2. THIS PLAN SHOWS TEMPORARY BMP'S IN THEIR LOCATIONS AFTER ALL FINAL GRADING IS COMPLETE. ANY PLACEMENT OF TEMPORARY EROSION CONTROL BMP'S DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS AND PHASING AND TO ELIMINATE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE "CONSTRUCTION GENERAL PERMIT". BMP QUANTITIES ARE BASED ON THESE TESCP PLAN SHEETS.



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW
- FLOW DIRECTION
- DISCHARGE POINT
- (MS) COMPOSTED MULCH SOCK
- TYPE I DROP INLET PROTECTION (STRAW WADDLE)
- (CD) TYPE I CHECK DAM
- SLOPE LIMITS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER

Plans approved by Design Review Committee
Engineer: 7.24.19

2ND ST IMPROVEMENTS
FINAL STABILIZATION T.E.S.C.P.
STA 205+50 TO STA 211+25

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

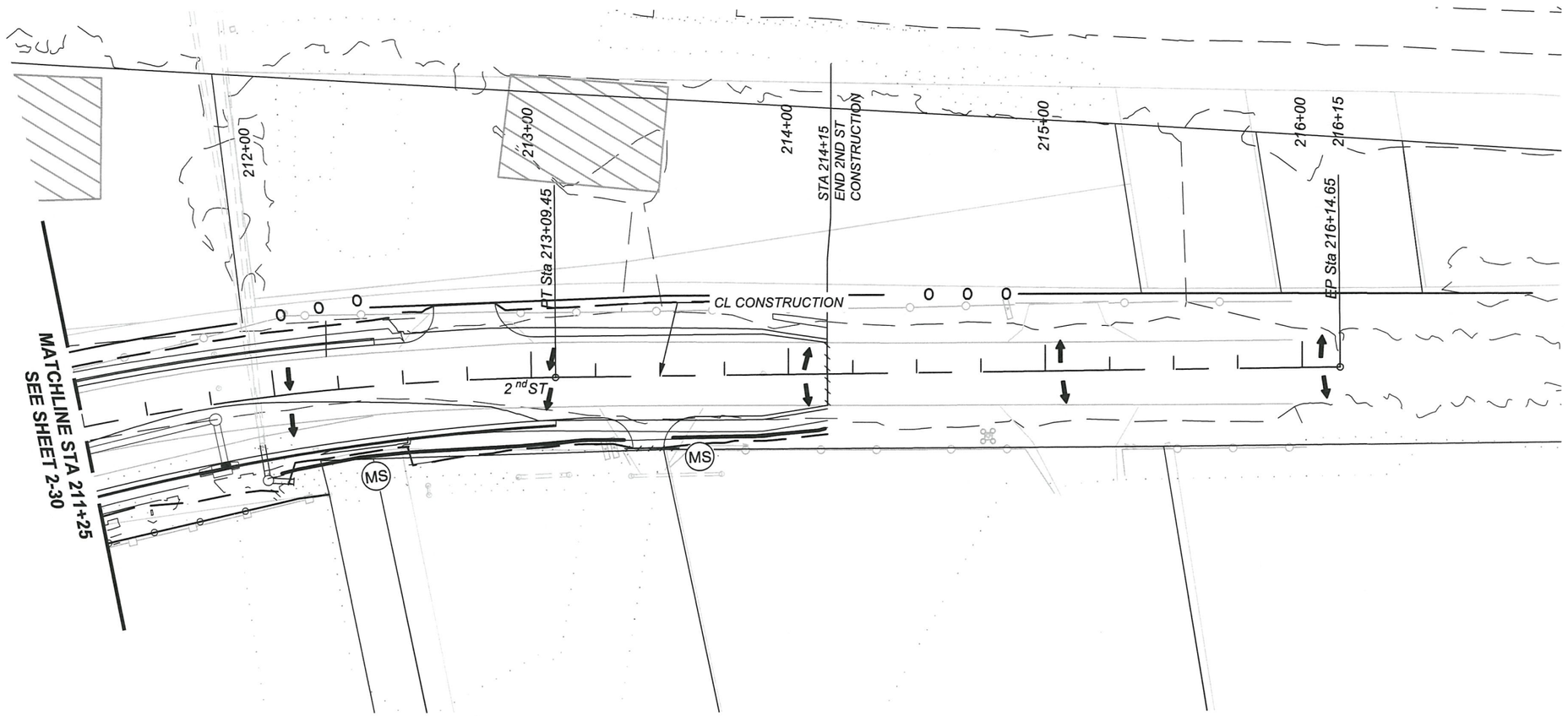
SHEET 2-30 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

605726S7 C:\Users\USA5671341\appdata\local\temp\AcPublish_5344\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 3:17pm USA5671341



NOTES

1. *SLOPE LIMITS DEFINE AREA OF DISTURBANCE.*
2. *THIS PLAN SHOWS TEMPORARY BMP'S IN THEIR LOCATIONS AFTER ALL FINAL GRADING IS COMPLETE. ANY PLACEMENT OF TEMPORARY EROSION CONTROL BMP'S DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS AND PHASING AND TO ELIMINATE SEDIMENT FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE "CONSTRUCTION GENERAL PERMIT". BMP QUANTITIES ARE BASED ON THESE TESCP PLAN SHEETS.*

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW
- FLOW DIRECTION
- DISCHARGE POINT
- (MS) COMPOSTED MULCH SOCK
- TYPE I DROP INLET PROTECTION (STRAW WADDLE)
- (CD) TYPE I CHECK DAM
- SLOPE LIMITS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7/24/19

Plans approved by Design Review Committee
Engineer

2ND ST IMPROVEMENTS
FINAL STABILIZATION T.E.S.C.P.
STA 211+25 TO STA 216+15

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

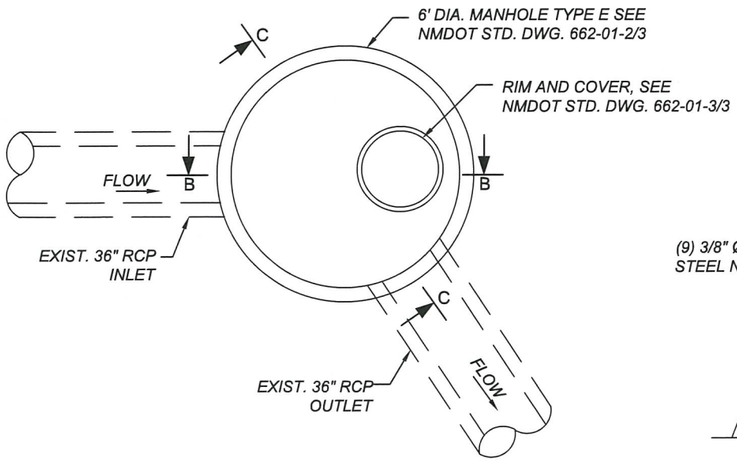
SHEET 2-31 OF

DESIGNED BY:

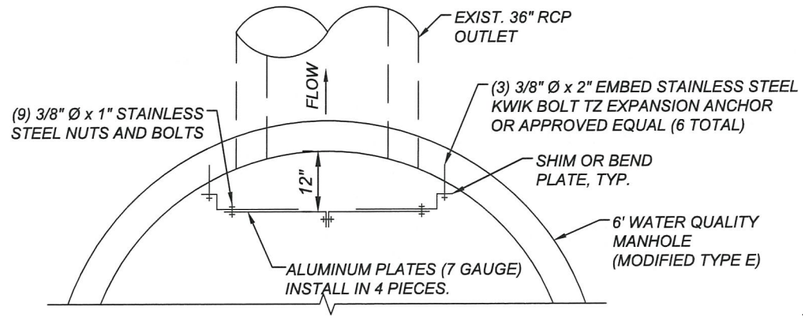
DRAWING SCALE:

NMDOT CN: A300161

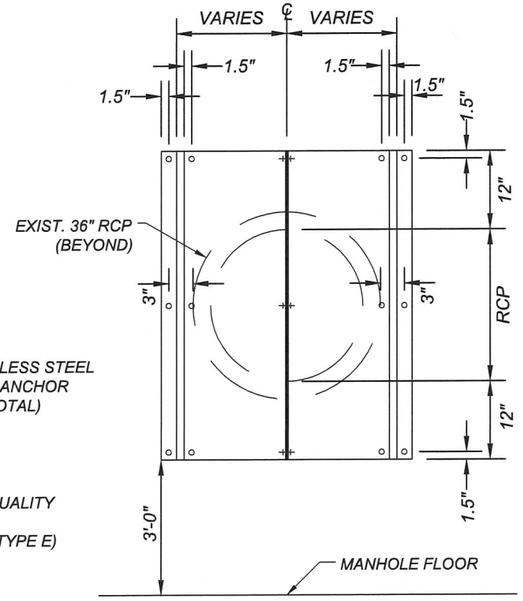
60572657 C:\Users\USA5671341\appdata\local\temp\AcPublish_5344\A300161_2-TP01.dwg PLOTTED: 7/24/19 - 3:17pm USA5671341



WATER QUALITY MANHOLE PLAN
N.T.S.



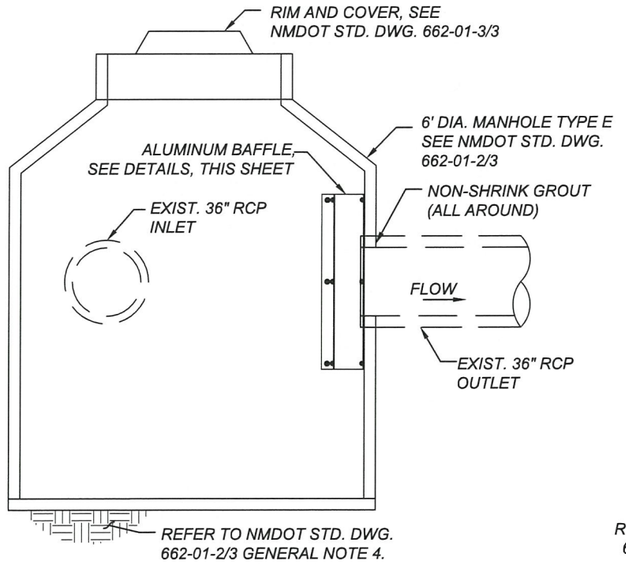
ALUMINUM BAFFLE PLAN
N.T.S.



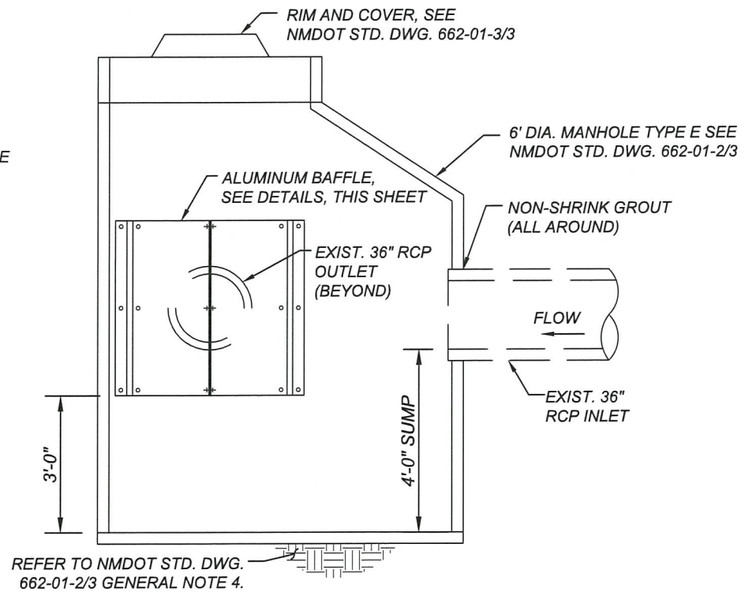
ALUMINUM BAFFLE ELEVATION
N.T.S.

NOTES

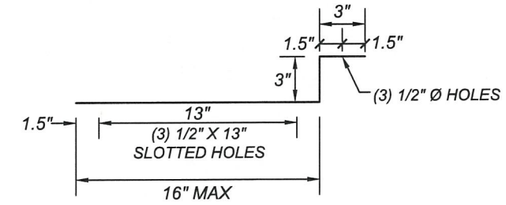
1. REFER TO NMDOT STD. DWGS. 662-01-2/3 AND 662-01-3/3 FOR ADDITIONAL DETAILS.
2. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NMDOT'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION CURRENT EDITION, SUPPLEMENTAL SPECIFICATIONS, AND PROVISIONS.
3. THE MODIFIED WATER QUALITY MANHOLE TYPE E AS SHOWN ON THIS DETAIL SHEET SHALL BE PAID FOR AS ITEM NO. 662100, SPECIAL MANHOLE.

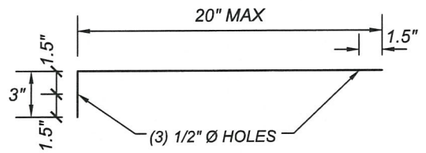


SECTION C-C
N.T.S.



SECTION B-B
N.T.S.





ALUMINUM PLATE BEND DIAGRAM
N.T.S.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357
WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

MODIFIED WATER QUALITY MANHOLE TYPE E DETAILS

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 2-32 OF

DESIGNED BY:

DRAWING SCALE:

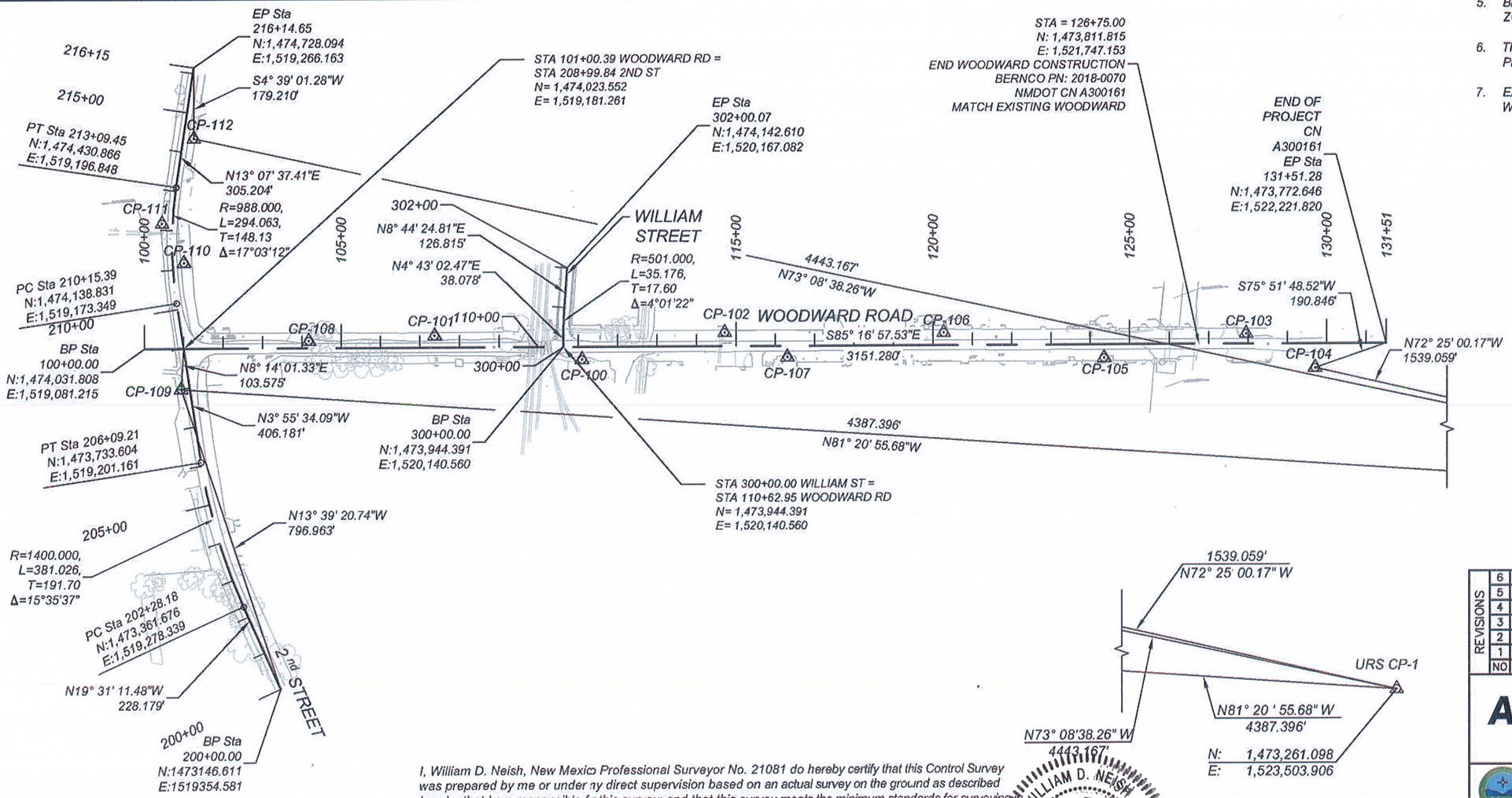
NMDOT CN: A300161

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER 7-24-19

Plans approved by District Design Committee
Engineer, [illegible]

60572657 C:\pwworking\secom_ds16_nc\jat12259\d0116496\A300161_MD03.dwg PLOTTED: 7/24/19 - 9:51am USA5671341

CP-	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	1,473,908.259	1,520,184.514	4,943.610	60D NAIL
101	1,474,000.938	1,519,818.666	4,940.772	60D NAIL
102	1,473,944.967	1,520,550.090	4,942.994	60D NAIL
103	1,473,827.014	1,521,868.818	4,939.867	60D NAIL
104	1,473,726.035	1,522,036.754	4,938.942	60D NAIL
105	1,473,797.283	1,521,505.620	4,940.953	MAG NAIL W/ WSHR
106	1,473,896.531	1,521,103.858	4,941.256	MAG NAIL W/ WSHR
107	1,473,869.437	1,520,703.924	4,942.985	MAG NAIL W/ WSHR
108	1,474,015.129	1,519,498.741	4,940.238	MAG NAIL W/ WSHR
109	1,473,921.045	1,519,166.428	4,940.153	60D NAIL
110	1,474,238.860	1,519,200.175	4,938.074	60D NAIL
111	1,474,342.944	1,519,153.405	4,940.193	60D NAIL
112	1,474,549.474	1,519,251.637	4,939.780	60D NAIL



SURVEY NOTES:

SURVEY PROJECT CONTROL BASED UPON THE SURVEY CONTROL PLAN FOR BERNALILLO COUNTY PUBLIC WORKS DIVISION PROJECT "SUNPORT BOULEVARD EXTENSION" DATED DECEMBER 2, 2010.

1. *UNITS ARE EXPRESSED IN US SURVEY FEET.*
2. *HORIZONTAL DATUM AND VERTICAL DATUMS ARE NAD 83(2011) NAVD 88, RESPECTIVELY.*
3. *GEOID 12B WAS USED TO MODEL THE VERTICAL PLANE.*
4. *COORDINATES ARE GROUND MODIFIED BASED ON THE NEW MEXICO STATE PLANE CENTRAL ZONE PROJECTION MODIFIED ABOUT 0.00' NORTH 0.00' EAST USING A PROJECT COMBINED GRID TO GROUND SCALE FACTOR OF 1.00038407.*
5. *BEARINGS ARE NEW MEXICO STATE PLANE CENTRAL ZONE NAD 83 GRID BEARING.*
6. *THE CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF THIS SURVEY CONTROL.*
7. *EXISTING CONTROL WAS VERIFIED AND NEW CONTROL WAS SET DURING JUNE/MAY 2018.*

I, William D. Neish, New Mexico Professional Surveyor No. 21081 do hereby certify that this Control Survey was prepared by me or under my direct supervision based on an actual survey on the ground as described herein; that I am responsible for this survey; and that this survey meets the minimum standards for surveying in New Mexico.

William D. Neish *N.M.P.S. 21081* *8/13/2019* *Date*

NEW MEXICO 21081 WILLIAM D. NEISH LICENSED PROFESSIONAL SURVEYOR 8/13/19

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
6			
5			
4			
3			
2			
1			
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

SURVEY CONTROL AND HORIZONTAL LAYOUT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

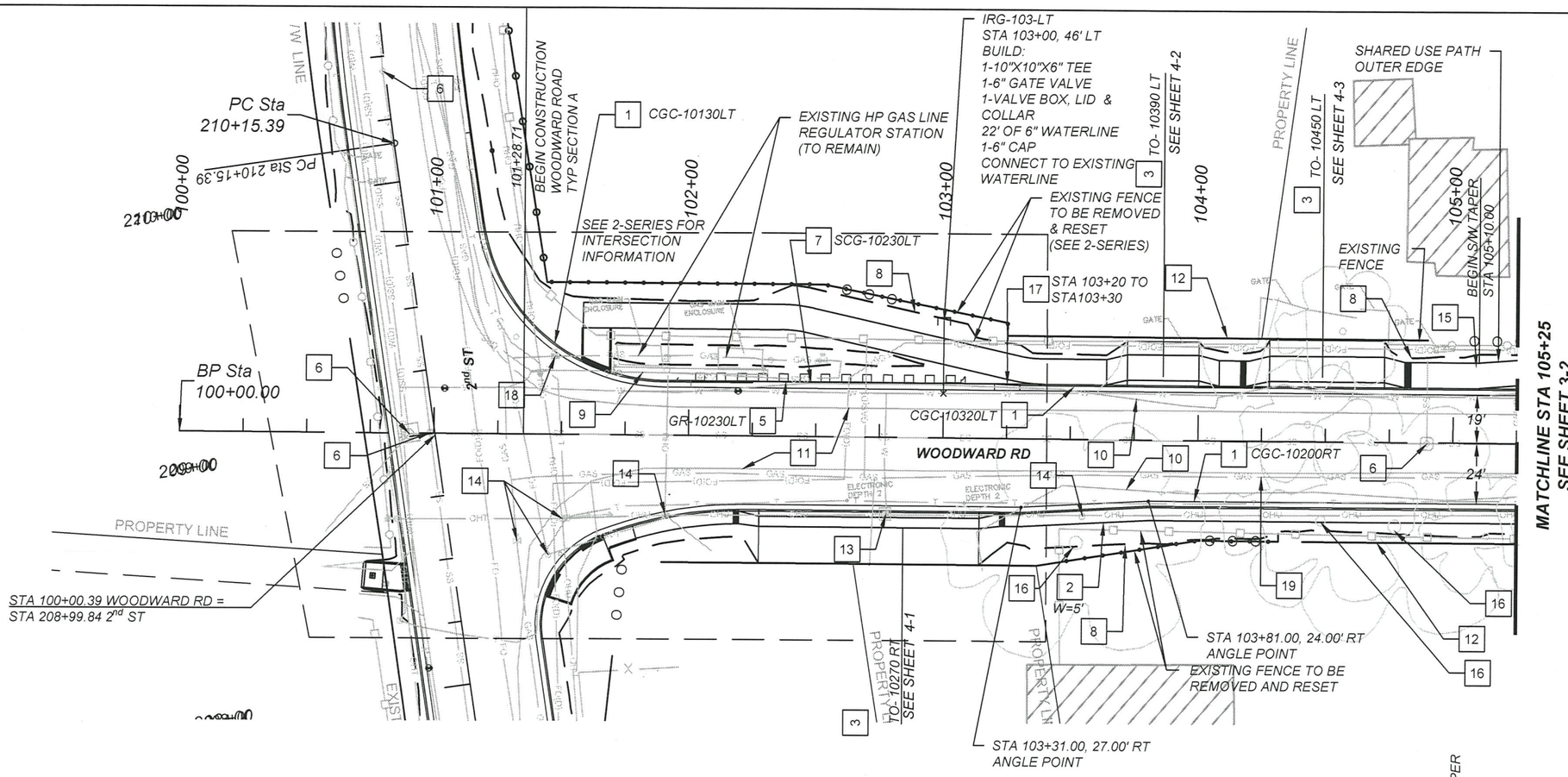
SHEET 3-0 OF

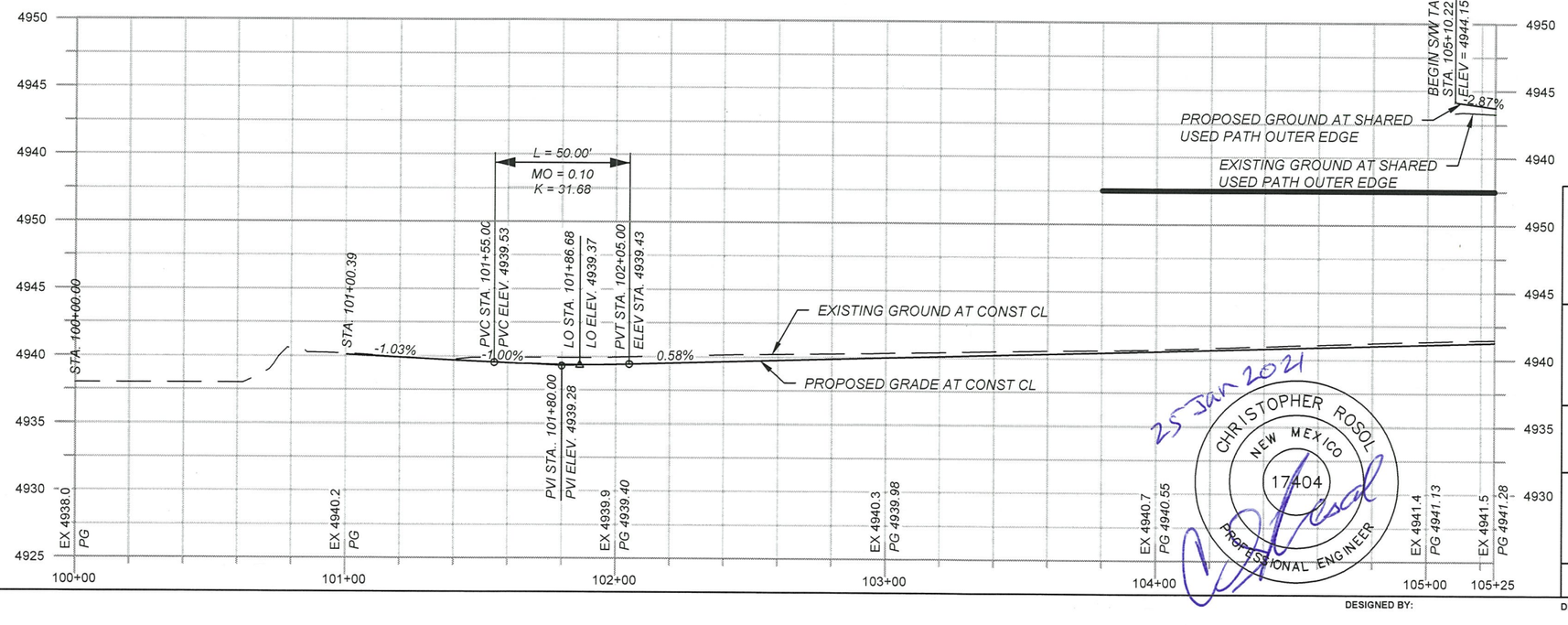
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\prewriting\aecom_de18_mt\jobs\mastRecom.com\j60118630\A300161_3-0SCH.dwg PLOTTED: 8/13/19 - 3:13pm chrla.ravel





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER, FACE OF BARRIER, OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION

KEYED NOTES

1	BUILD STANDARD CURB & GUTTER PER COA 2415A
2	BUILD CONCRETE SIDEWALK, 4" PER COA 2430
3	BUILD DRIVEPAD, 6".
4	BUILD CONCRETE WALL BARRIER, 32" PER 606-15-½ THROUGH 7½ SEE INTERSECTION LAYOUT DETAILS FOR INFORMATION
5	BUILD W-BEAM END ANCHOR. BUILD SINGLE FACED W-BEAM GUARDRAIL. BUILD END TREATMENT. TL-2 END TERMINAL PER 606-GR31-8/20 SEE INTERSECTION LAYOUT DETAILS FOR INFORMATION
6	EXISTING MANHOLE- ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
7	BUILD CONCRETE SLOPED CURB & GUTTER, TYPE I. SEE INTERSECTION LAYOUT DETAILS FOR INFORMATION
8	LIMITS OF CONSTRUCTION
9	REMOVE AND DISPOSE OF EXISTING WALL BARRIER AT GAS LINE FACILITY
10	EDGE OF PAVEMENT
11	REMOVE AND DISPOSE OF EXISTING PAVEMENT
12	RIGHT-OF-WAY
13	EXISTING WATER METER - ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2361
14	EXISTING UTILITY POLE TO BE ADJUSTED/RELOCATED BY OTHERS
15	BUILD 10' SHARED USED PATH
16	REMOVE AND DISPOSE OF EXISTING TREE PAID AS ITEM 201000, CLEARING AND GRUBBING
17	TRANSITION FROM STANDARD CURB AND GUTTER TO CONCRETE SLOPED CURB AND GUTTER
18	EXISTING VALVE/VALVE BOX - TO BE ADJUSTED GRADE
19	EXISTING UTILITY TO BE RELOCATED BY OTHERS

0 50 100 FEET

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

25 JAN 2021
CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER

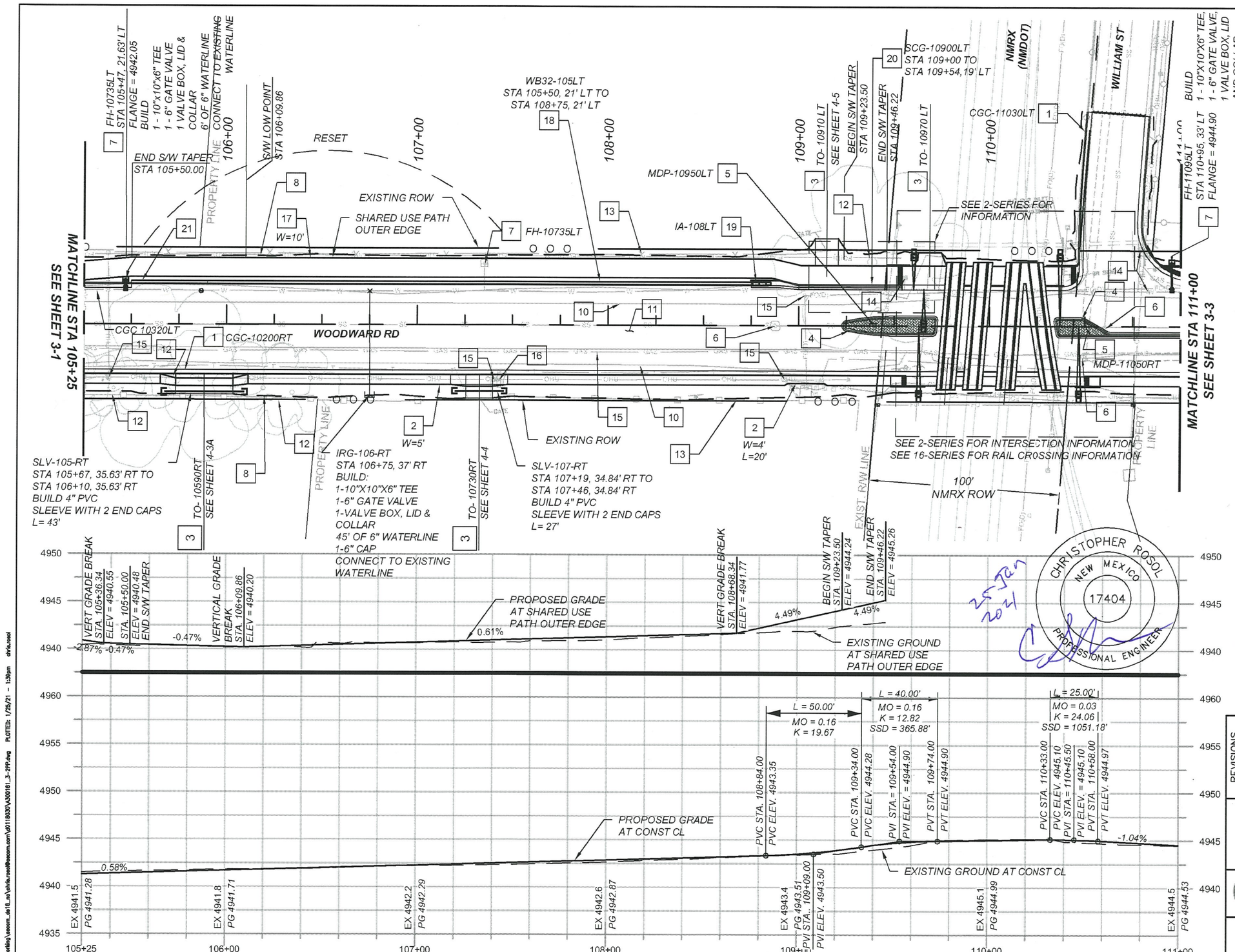
WOODWARD ROAD IMPROVEMENTS
PLAN AND PROFILE
STA 100+00 TO STA 105+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 3-1 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

605726527 C:\Users\chris.rosol\appdata\local\temp\AcPublish_58\924\A300161_3-1PP A.dwg PLOTTED: 1/25/21 - 1:37pm chris.rosol



CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER, FACE OF BARRIER, OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION

KEYED NOTES

1	BUILD STANDARD CURB & GUTTER PER COA 2415A
2	BUILD CONCRETE SIDEWALK, 4" PER COA 2430
3	BUILD DRIVEPAD, 6"
4	MEDIAN CURB AND GUTTER PER COA 2415B. SEE INTERSECTION LAYOUT DETAILS
5	CONCRETE MEDIAN PAVEMENT, 4", COLORED AND PATTERNED. SEE INTERSECTION LAYOUT DETAILS
6	EXISTING MANHOLE ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
7	REMOVE AND RESET EXISTING FIRE HYDRANT.
8	LIMITS OF CONSTRUCTION
10	EXISTING EDGE OF PAVEMENT
11	REMOVE AND DISPOSE OF EXISTING PAVEMENT
12	REMOVE AND DISPOSE EXISTING TREE PAID AS ITEM 201000 CLEARING AND GRUBBING.
13	EXISTING FENCE TO REMAIN. PROTECT DURING CONSTRUCTION
14	EXISTING WATER VALVE - ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
15	EXISTING UTILITY TO BE ADJUSTED/RELOCATED BY OTHERS
16	REMOVE AND RELOCATE EXISTING MAILBOX AND POST
17	BUILD 10' SHARED USE PATH
18	BUILD CONCRETE WALL BARRIER, 32" FOR VERTICAL ROADWAY OFFSETS PER 606-15-½ THROUGH 7½
19	BUILD PERMANENT VEHICULAR ATTENUATOR IMPACT UNIT; TL-2 SEE 2-SERIES FOR CONCRETE PAD DETAILS
20	BUILD MOUNTABLE CURB ROLL TYPE PER COA 2415A
21	CONCRETE WALL BARRIER TYPE 32 TRANSITIONS PER 606-15-5/7. PAID AS 605532, CONCRETE WALL BARRIER, 32"

0 50 100 FEET

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
25 Jan 2021

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
PLAN AND PROFILE
STA 105+25 TO STA 111+00

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

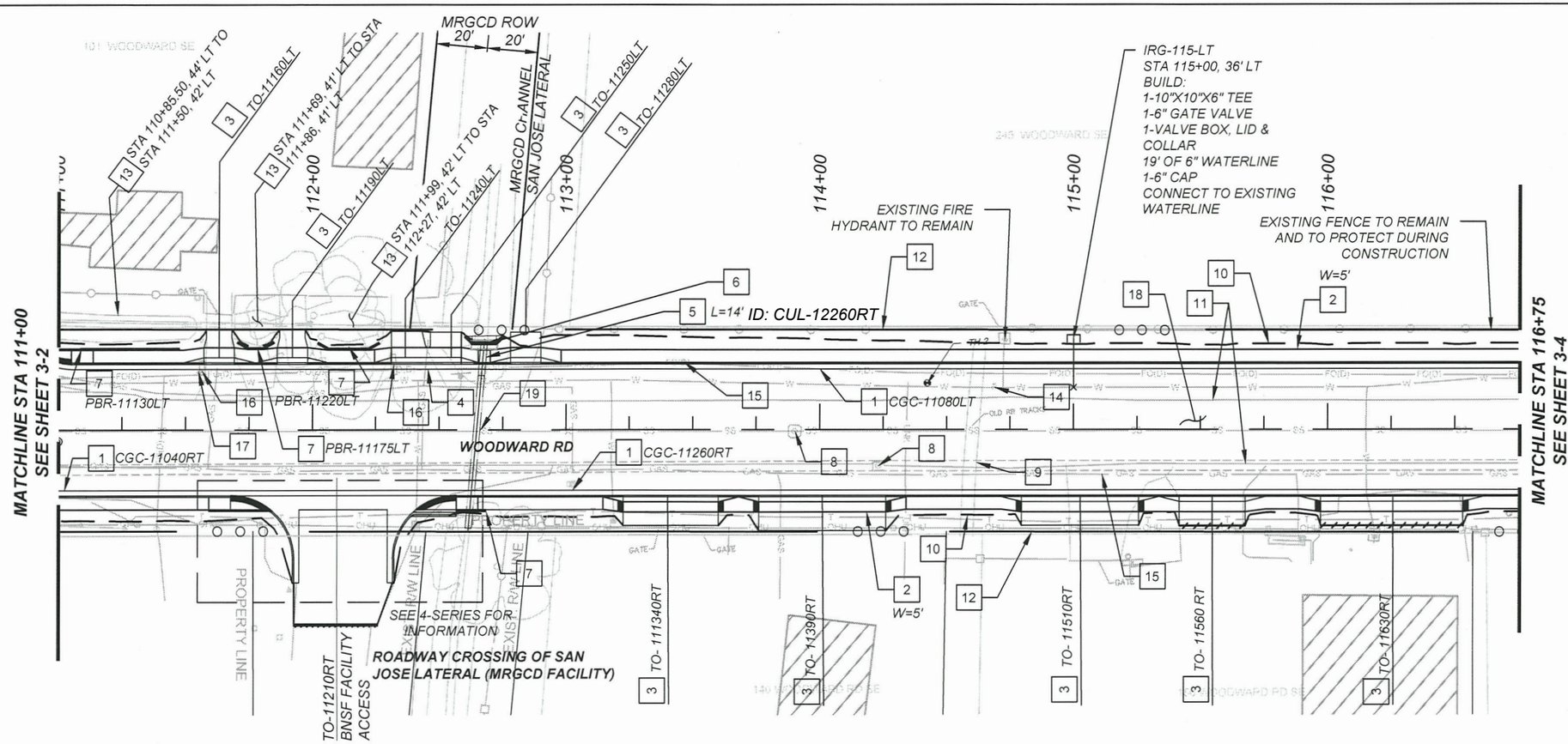
SHEET 3-2 OF

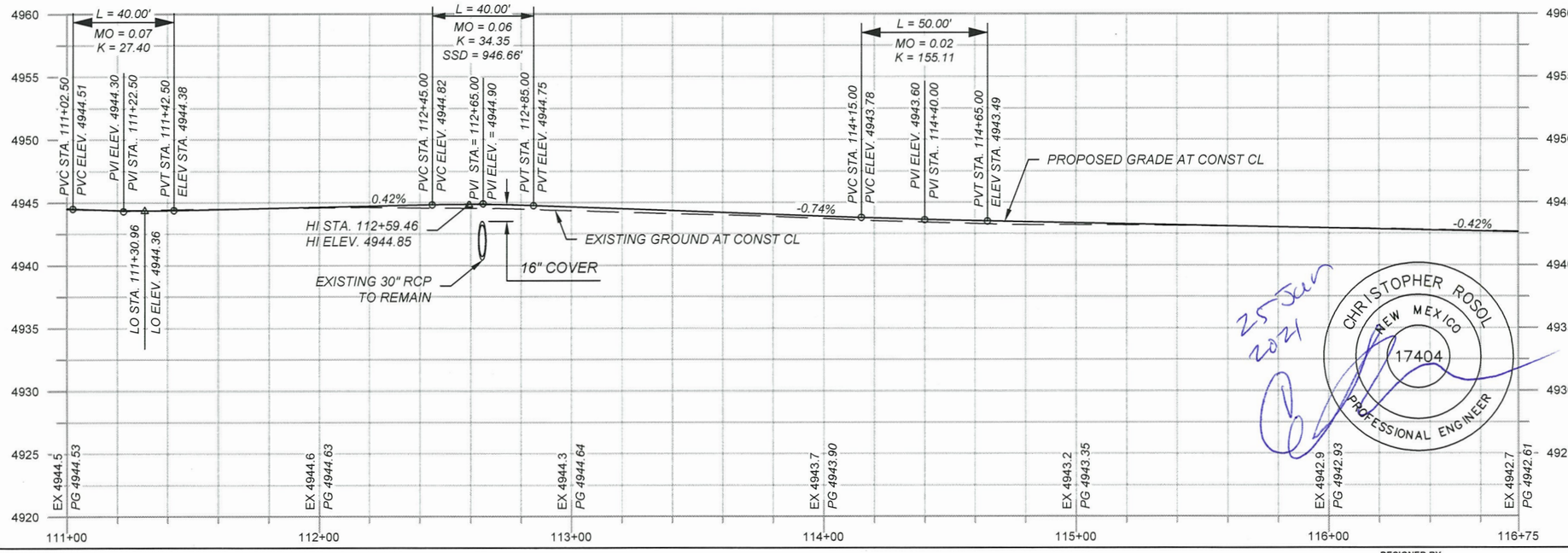
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

605726857 C:\powerbldg\acom_de18_na\phillip.rosol@aecom.com\v0111803f\VA300161_3-2PP.dwg PLOTTED: 1/26/21 - 1:39pm drw.rosol





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER, FACE OF BARRIER, OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION

KEYED NOTES

1	BUILD STANDARD CURB & GUTTER PER COA 2415A.
2	BUILD CONCRETE SIDEWALK, 4" PER COA 2430
3	BUILD DRIVEPAD, 6".
4	BUILD COMBINED TURNOUT DRIVEPAD, 6"
5	BUILD RCP PIPE- SEE 5-SERIES FOR INFORMATION
6	BUILD HEADWALL WITH PEDESTRIAN/BICYCLE RAIL PER 607-20-1/4 THROUGH 4/4. SEE 5-SERIES FOR INFORMATION
7	BUILD PEDESTRIAN/ BICYCLE RAIL PER 607-20-1/4 THROUGH 4/4, SEE 2-5 FOR MODIFIED FOUNDATION
8	EXISTING MANHOLE- ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
9	REMOVE AND DISPOSE OF EXISTING RAILROAD SPUR GRADE CROSSING WITHIN RIGHT OF WAY
10	LIMITS OF CONSTRUCTION
11	EXISTING EDGE OF PAVEMENT
12	EXISTING RIGHT-OF-WAY
13	EXISTING ACEQUIA - PROTECT DURING CONSTRUCTION
14	EXISTING WATER VALVE - ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
15	EXISTING UTILITY TO BE ADJUSTED/RELOCATED BY OTHERS
16	REMOVE AND RELOCATE EXISTING MAILBOX AND POST
17	REMOVE AND DISPOSE OF EXISTING WOOD POLE
18	REMOVE AND DISPOSE OF EXISTING PAVEMENT
19	EXISTING CULVERT TO REMAIN. PROTECT DURING CONSTRUCTION

50 100 FEET

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

25 Jan 2021

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER

WOODWARD ROAD IMPROVEMENTS
PLAN AND PROFILE
STA 111+00 TO STA 116+75

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

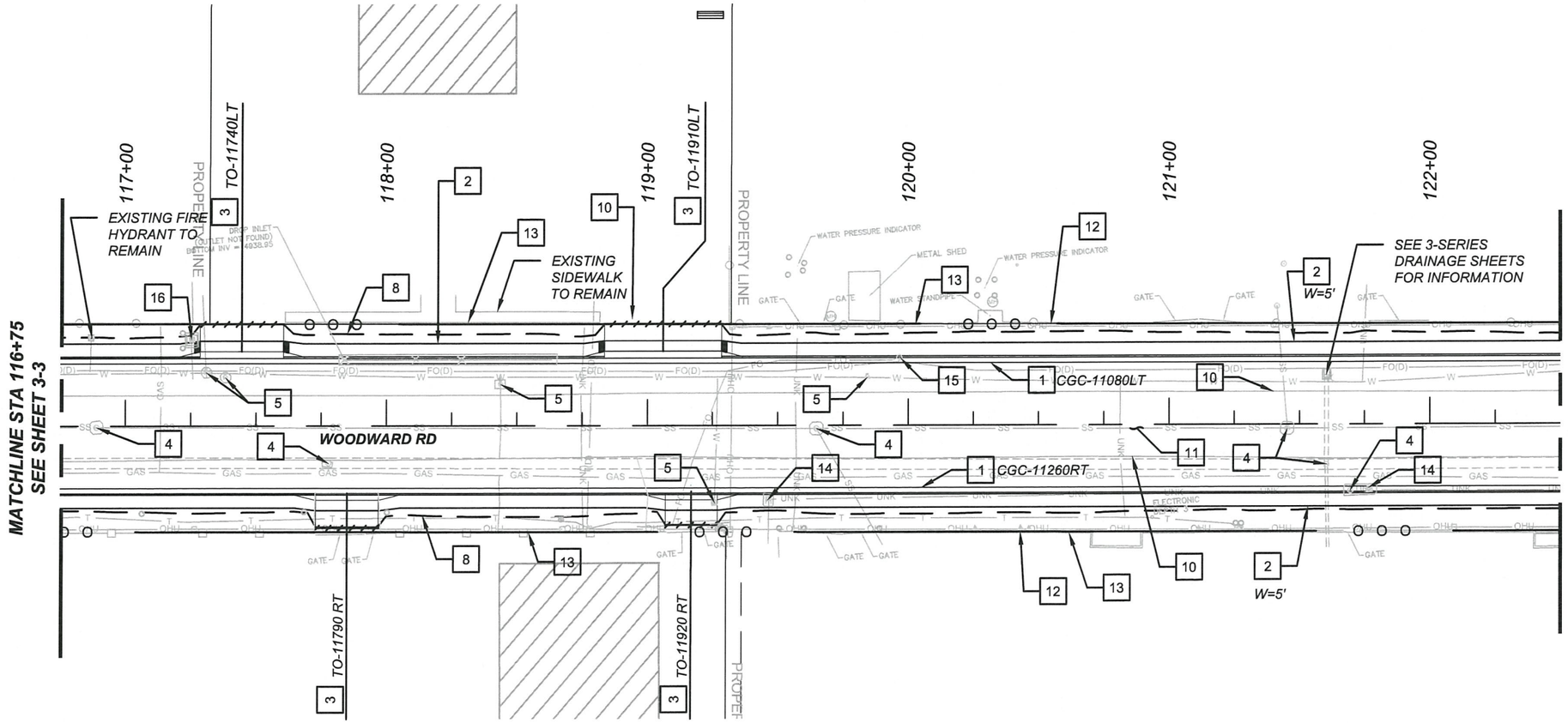
SHEET 3-3 OF

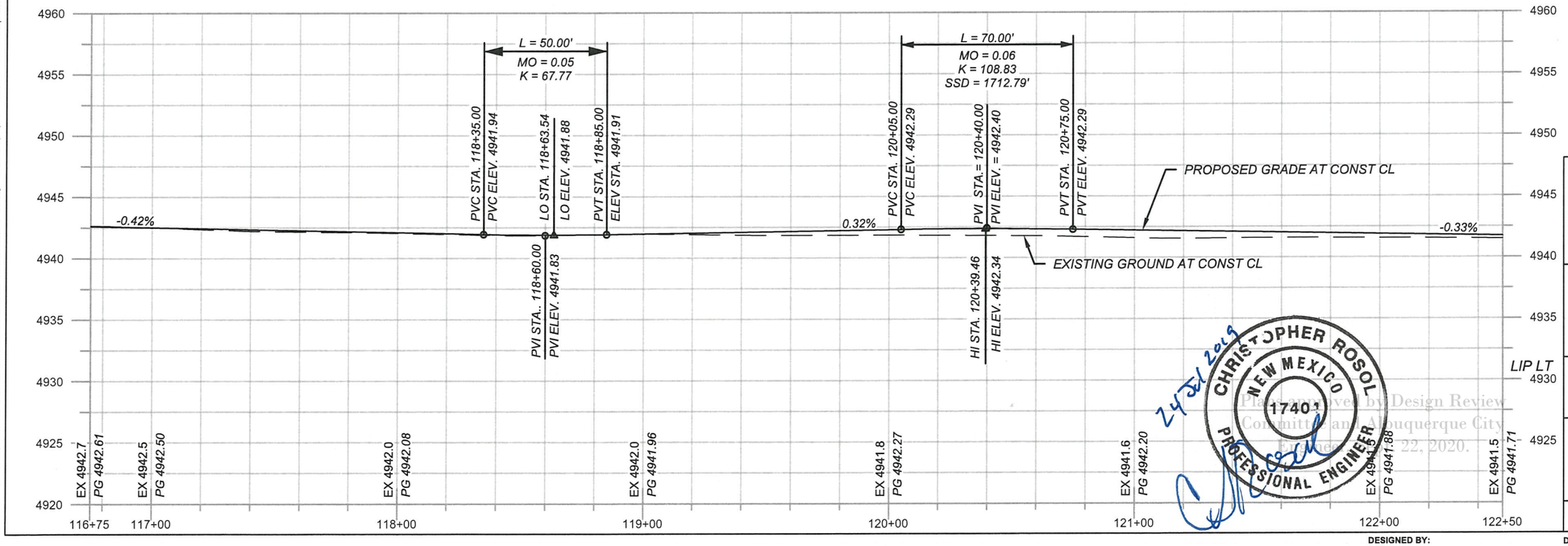
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657: C:\Users\chris.rosol\appdata\local\temp\AcPublish_58\924\A300161_3-3PP.dwg PLOTTED: 1/25/21 - 1:38pm chris.rosol





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER, FACE OF BARRIER, OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION

KEYED NOTES

1	BUILD STANDARD CURB & GUTTER PER COA 2415A.
2	BUILD CONCRETE SIDEWALK, 4' PER COA 2430
3	BUILD DRIVEPAD, 6".
4	EXISTING MANHOLE- ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
5	EXISTING WATER VALVES- ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
8	LIMITS OF CONSTRUCTION
10	EXISTING EDGE OF PAVEMENT
11	REMOVE AND DISPOSE OF EXISTING PAVEMENT
12	EXISTING RIGHT-OF-WAY
13	EXISTING FENCE/WALL TO REMAIN. PROTECT DURING CONSTRUCTION
14	EXISTING WATER METER - ADJUST TO GRADE
15	EXISTING UTILITY TO BE ADJUSTED/RELOCATED BY OTHERS
16	EXISTING WATER METER VAULT TO BE RELOCATED BY OTHERS

0 50 100 FEET

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PLAN AND PROFILE
STA 116+75 TO STA 122+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 3-4 OF

DESIGNED BY:

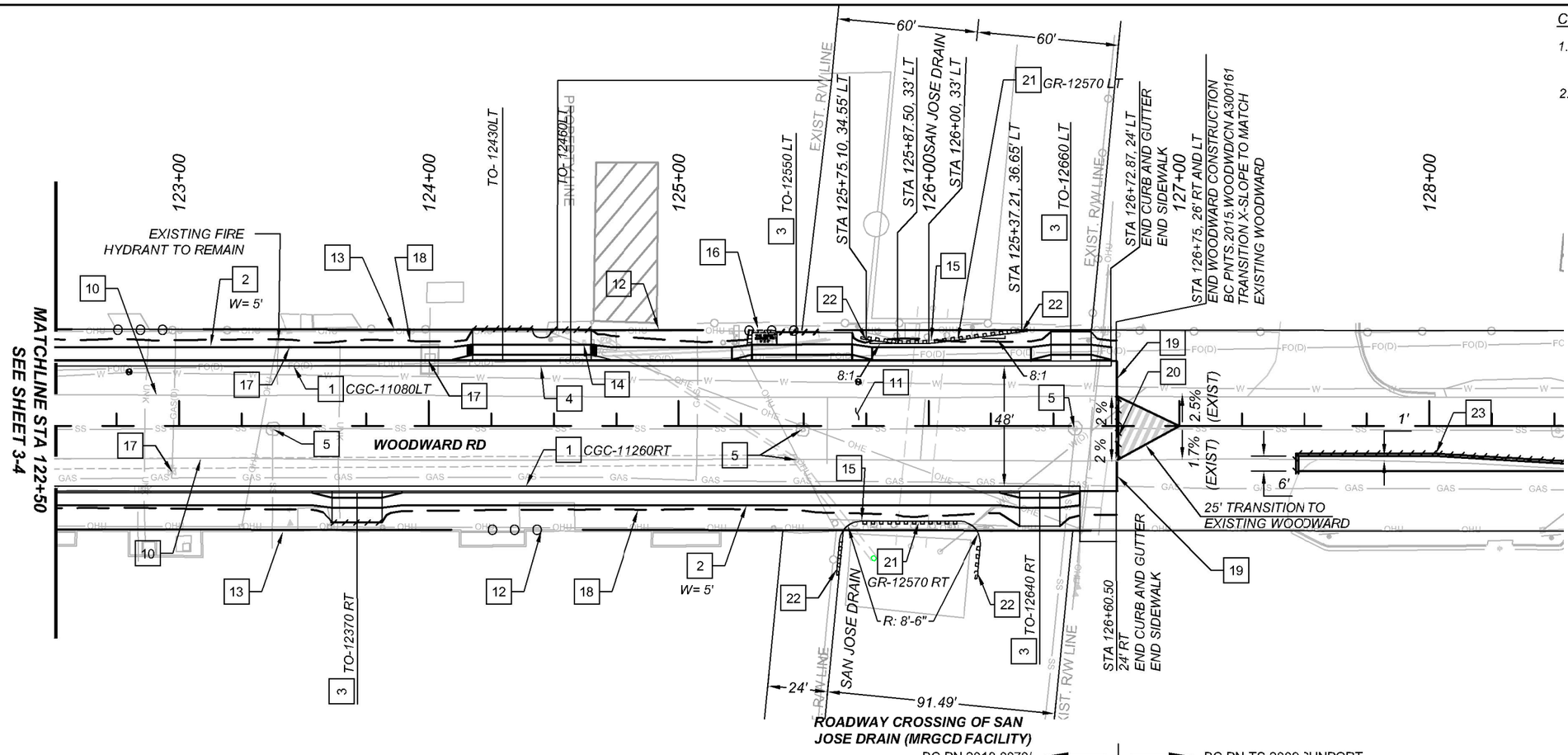
DRAWING SCALE:

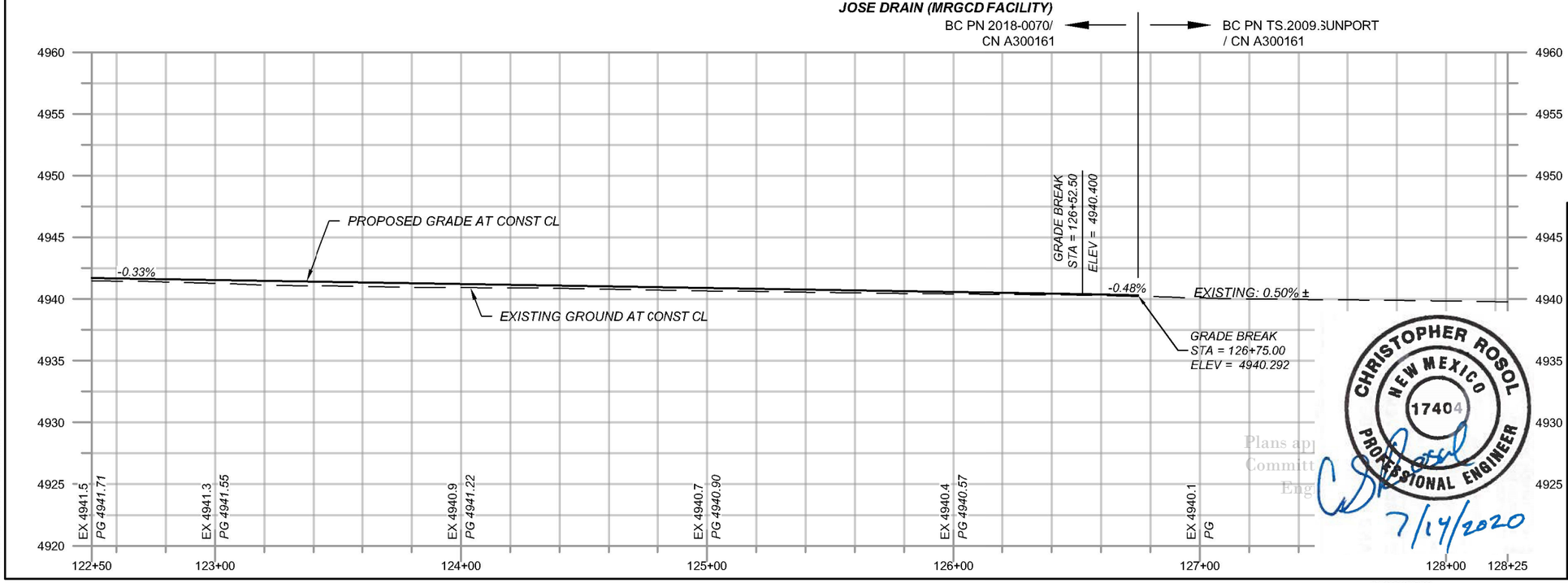
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER
7/25/2019

Plan Approved by Design Review Committee of Albuquerque City Engineer on July 22, 2020.

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0118030\A300161_3-4PP.dwg PLOTTED: 7/24/19 - 10:56am Jordan.Thompson11





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER, FACE OF BARRIER, OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION

KEYED NOTES

1	BUILD STANDARD CURB & GUTTER PER COA 2415A.
2	BUILD CONCRETE SIDEWALK, 4" PER COA 2430
3	BUILD DRIVEPAD, 6".
4	BUILD COMBINED TURNOUT DRIVEPAD, 6"
5	EXISTING MANHOLE- ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
10	EXISTING EDGE OF PAVEMENT
11	EXISTING WOODWARD ROAD
12	EXISTING ROW
13	EXISTING WALL/FENCE TO REMAIN. PROTECT DURING CONSTRUCTION
14	EXISTING WATER VALVE - ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
15	REMOVE AND DISPOSE OF EXISTING METAL BARRIER GUARDRAIL
16	BUILD 6X11' ROLLED BASE COURSE DUMPSTER PAD BEHIND DRIVE PAD.
17	EXISTING UTILITY TO BE ADJUSTED/RELOCATED BY OTHERS
18	LIMITS OF CONSTRUCTION
19	BUILD CUTOFF WALL PER 2415B, 8X24' PAID AS ITEM 511030 STRUCTURED CONCRETE CLASS AA
20	SAWCUT, REMOVE AND DISPOSE OF EXISTING PAVEMENT - LIMITS OF PAVEMENT REMOVED
21	BUILD SINGLE FACE W-BEAM GUARDRAIL
22	BUILD END TREATMENT W-BEAM END ANCHOR
23	SAWCUT, REMOVE AND DISPOSE OF EXISTING PAVEMENT, 1' INSIDE OF SHOULDER STRIPE AND PAVE 6' WIDE SHOULDER BETWEEN DRIVEWAYS. PAVING SECTION (F) SEE 2-2 FOR INFORMATION

0 50 100 FEET

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PLAN AND PROFILE
STA 122+50 TO STA 128+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

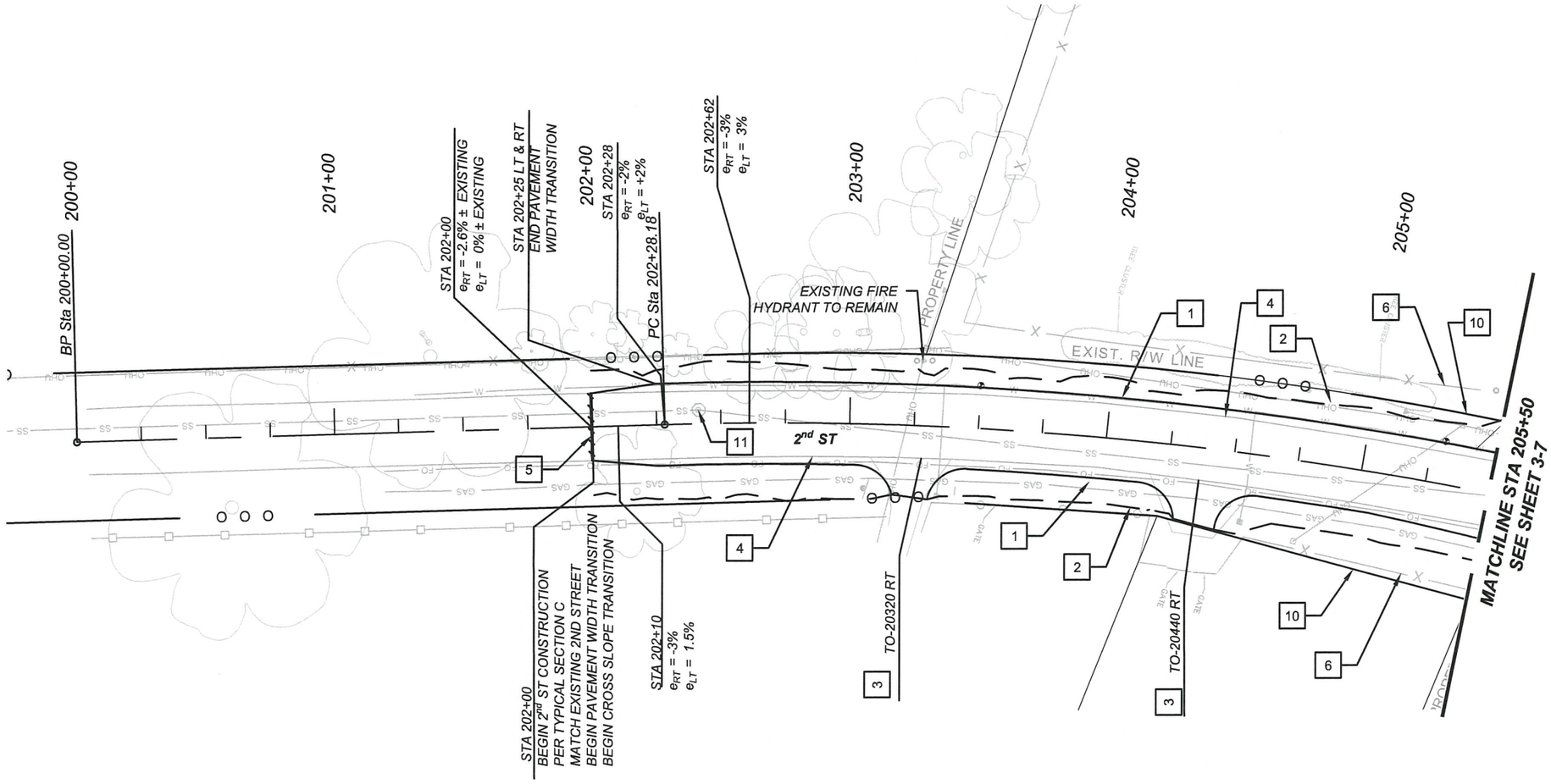
SHEET 3-5 OF

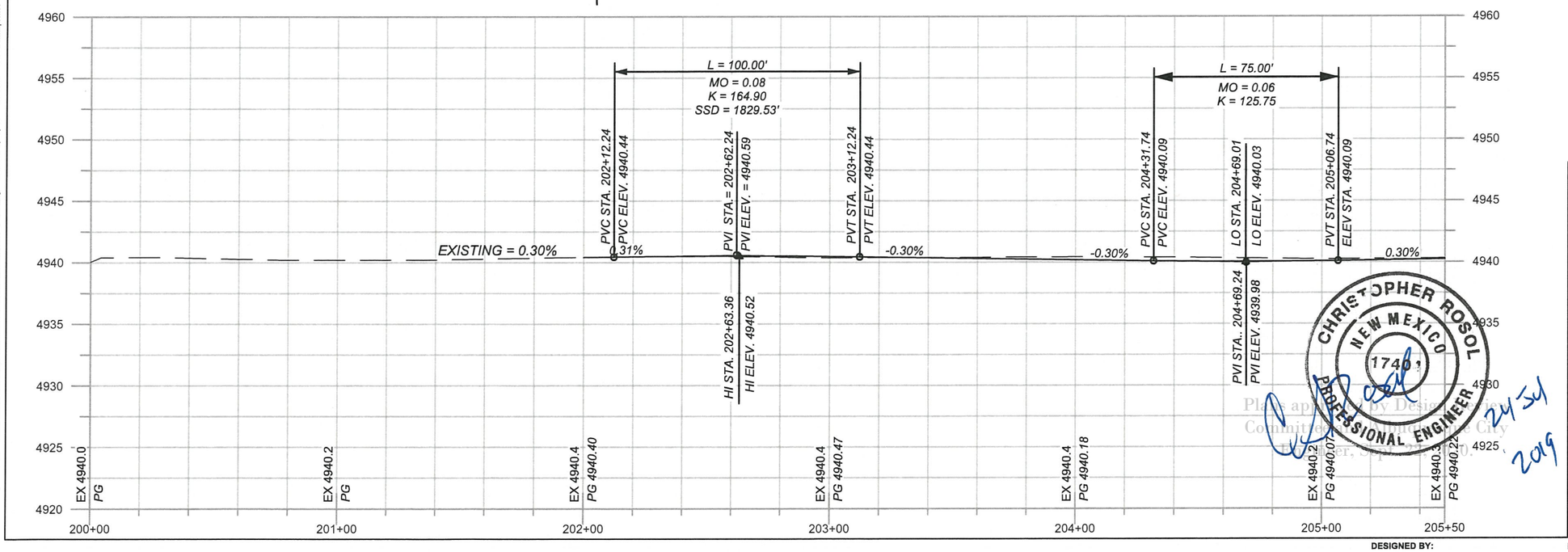
CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
7/14/2020

Plans app
Committ
Eng

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\prworking\aecom_de18_ne\chris.rosol@aecom.com\d0118030\A300161_3-5PP.dwg PLOTTED: 7/14/20 - 2:11pm chris.rosol





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER, FACE OF BARRIER, OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION

KEYED NOTES

1	EDGE OF PAVEMENT
2	LIMITS OF CONSTRUCTION
3	BUILD MINOR TURNOUT
4	EXISTING EDGE OF PAVEMENT
5	SAWCUT AND REMOVE EXISTING PAVEMENT - LIMITS OF PAVEMENT REMOVAL
6	EXISTING FENCE TO REMAIN. PROTECT DURING CONSTRUCTION
10	EXISTING RIGHT-OF-WAY
11	EXISTING MANHOLE - ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461

0 50 100 FEET

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

REVISIONS		
6		
5		
4		
3		
2		
1		
NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17461
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee for compliance with City Ordinance, Sept. 21, 2010.

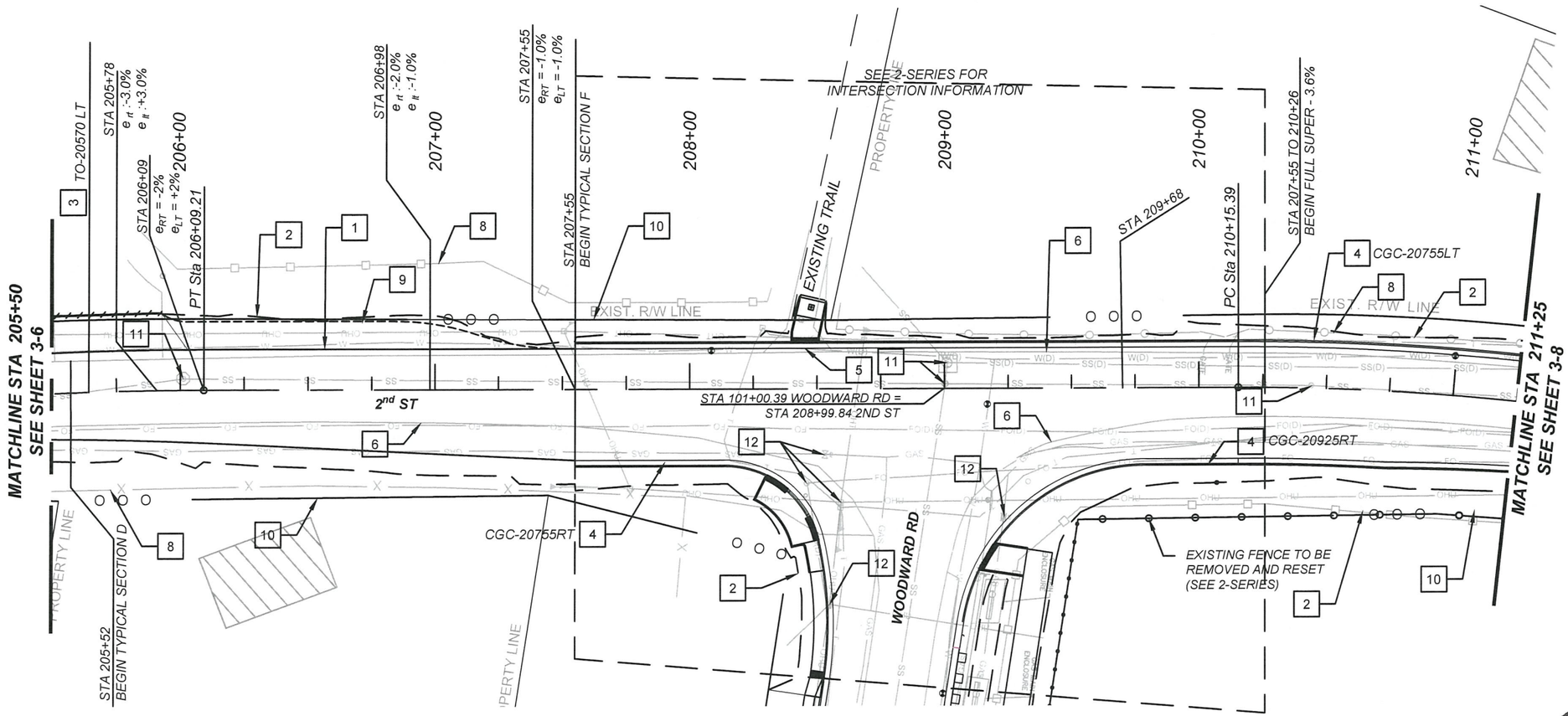
2ND ST IMPROVEMENTS
PLAN AND PROFILE
STA 200+00 TO STA 205+50

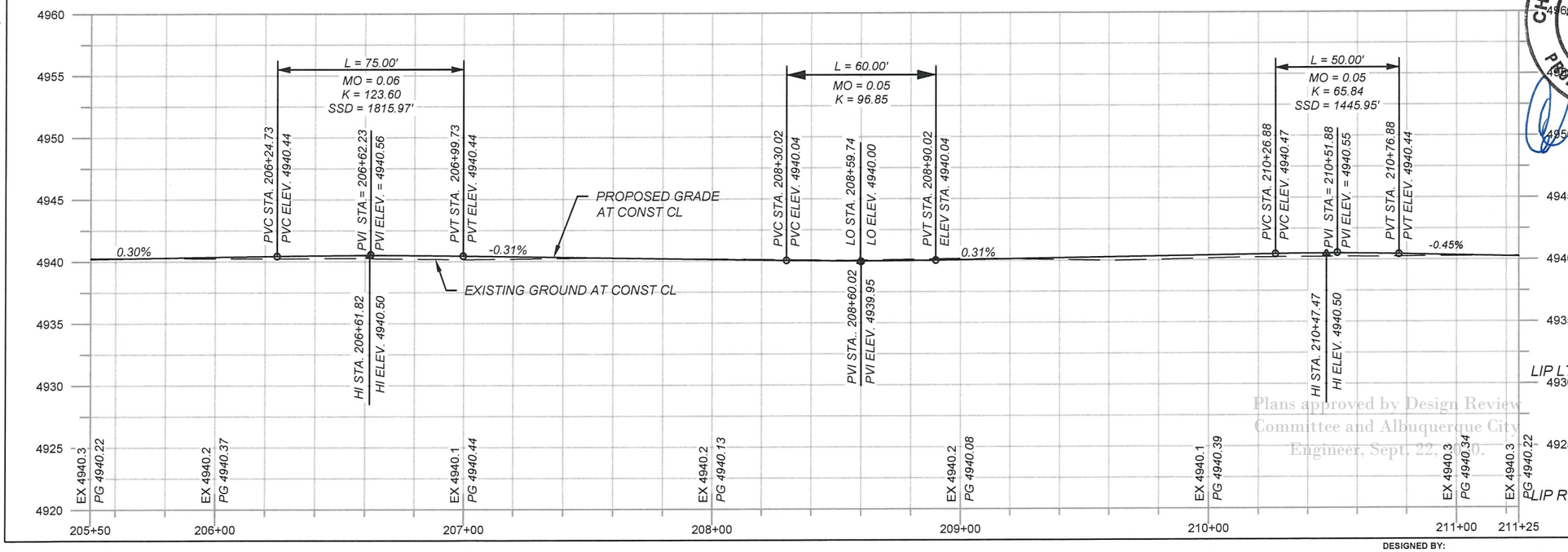
BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 3-6 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657. C:\pwworking\aecom_ds16_na\jordan.thompson39\aecom.com\d0118030\A300161_3-6PP.dwg PLOTTED: 7/24/19 - 10:56am Jordan.Thompson11





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER, FACE OF BARRIER, OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION

KEYED NOTES

1	EDGE OF PAVEMENT
2	LIMITS OF CONSTRUCTION
3	BUILD MINOR TURNOUT
4	BUILD STANDARD CURB & GUTTER PER COA 2415A
5	BUILD CURB RAMP CONNECTION TO EXISTING TRAIL. SEE 2-SERIES FOR INFORMATION
6	EXISTING EDGE OF PAVEMENT
8	EXISTING FENCE TO REMAIN. PROTECT DURING CONSTRUCTION
9	BUILD BASE COURSE SHOULDER
10	EXISTING RIGHT-OF-WAY
11	EXISTING MANHOLE - ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
12	EXISTING UTILITY TO BE ADJUSTED/RELOCATED BY OTHERS

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER
24 JUL 2019

0 50 100 FEET

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

REVISIONS		
NO	DATE	DESCRIPTION
6		
5		
4		
3		
2		
1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

2ND ST IMPROVEMENTS

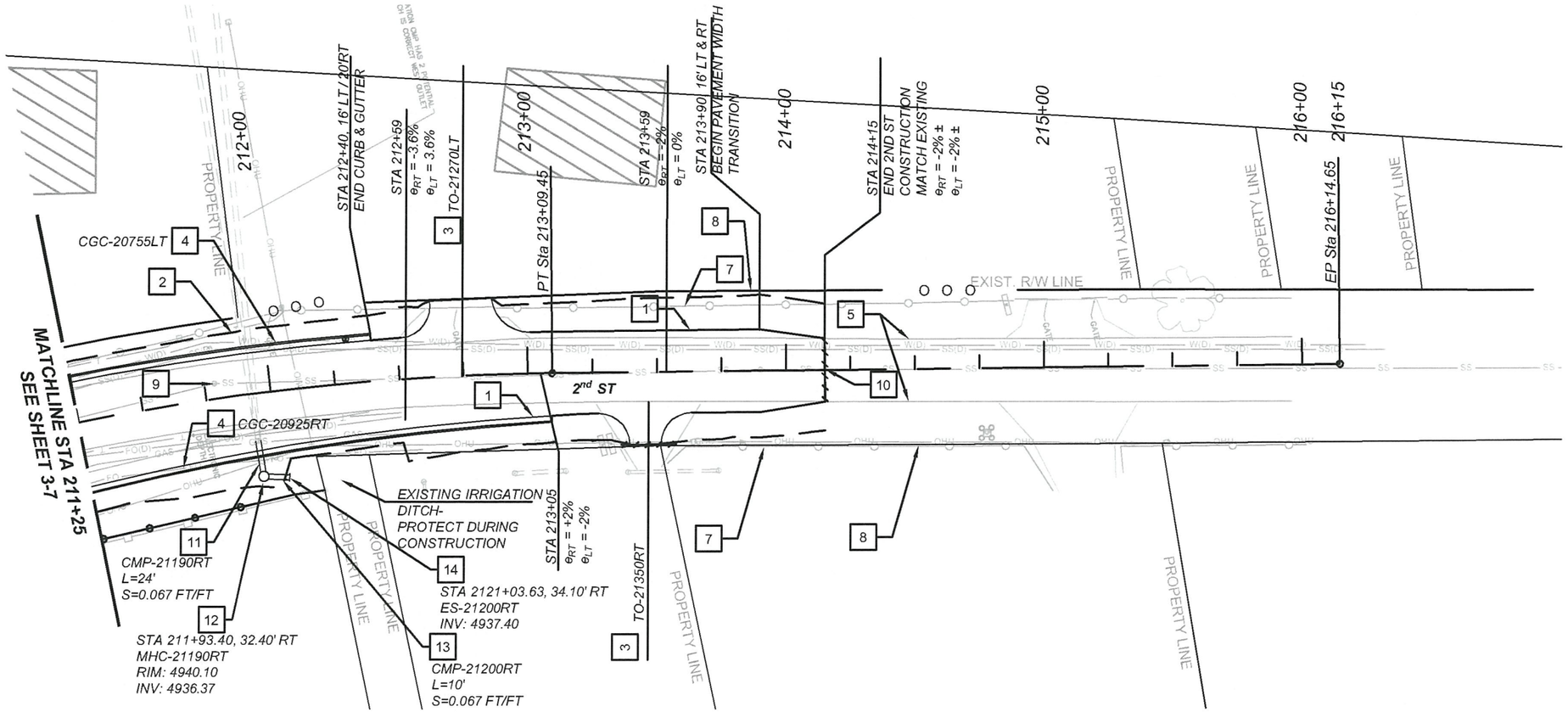
PLAN AND PROFILE
STA 205+50 TO STA 211+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 3-7 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_dfr1fc_nt\jordan.thompson3@aecom.com\d0118030\A300161_3-7PP.dwg PLOTTED: 7/24/19 - 10:56am Jordan.Thompson11

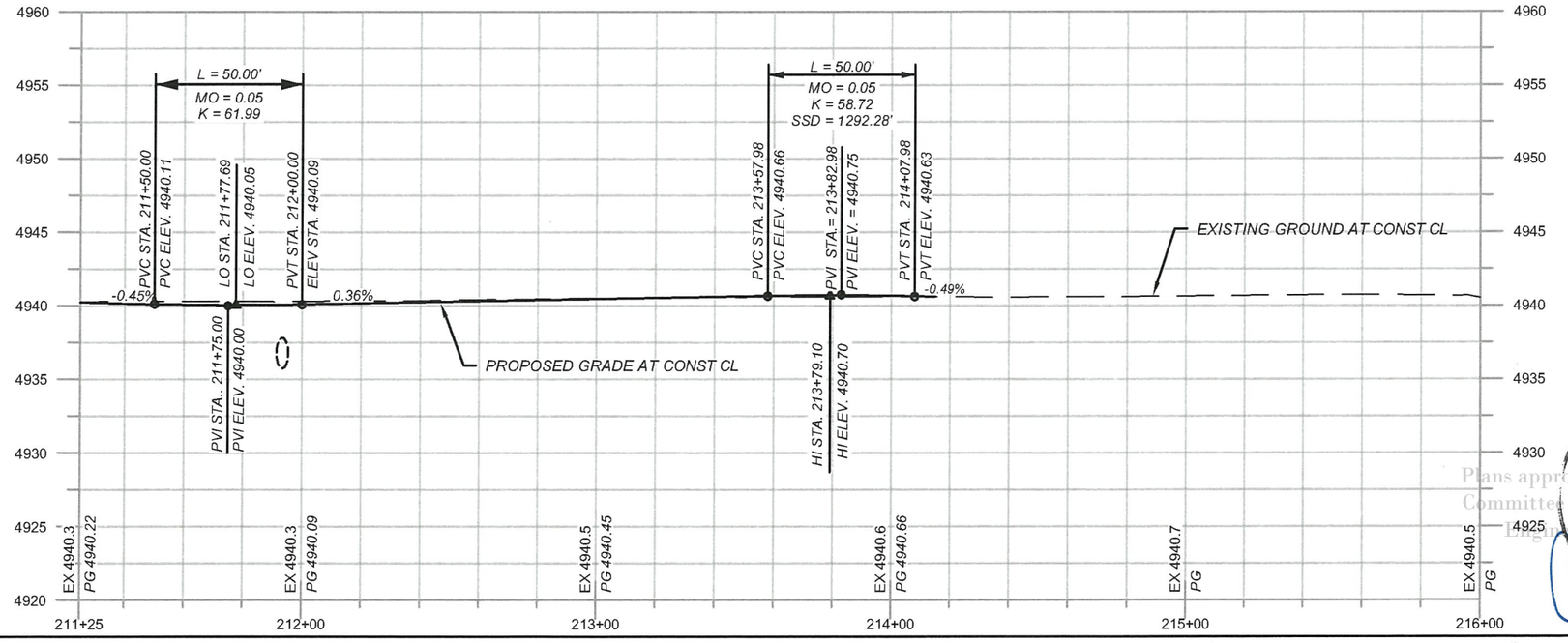


CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER, FACE OF BARRIER, OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. SEE 4-SERIES FOR TURNOUT/ DRIVEWAY INFORMATION

KEYED NOTES

1	EDGE OF PAVEMENT
2	LIMITS OF CONSTRUCTION
3	BUILD MINOR TURNOUT. SEE 2-SERIES FOR INFORMATION
4	BUILD STANDARD CURB & GUTTER PER COA 2415A
5	EXISTING EDGE OF PAVEMENT
7	EXISTING FENCE TO REMAIN. PROTECT DURING CONSTRUCTION
8	EXISTING RIGHT-OF-WAY
9	EXISTING MANHOLE - ADJUST TO GRADE. BUILD CONCRETE COLLAR PER COA 2461
10	SAWCUT, REMOVE AND DISPOSE OF EXISTING PAVEMENT. LIMITS OF PAVEMENT REMOVAL
11	BUILD IRRIGATION PIPE: 24 LF 24" CULVERT PIPE (CMP), CONNECT TO EXISTING PIPE
12	BUILD 4' DIA MANHOLE, TYPE C,
13	BUILD IRRIGATION PIPE: 10 LF 24" CULVERT PIPE (CMP), CONNECT TO EXISTING PIPE
14	BUILD 24" CMP END SECTION



0 50 100 FEET

SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

2ND ST IMPROVEMENTS

PLAN AND PROFILE
STA 211+25 TO STA 215+96.58

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 3-8 OF

DESIGNED BY:

DRAWING SCALE:

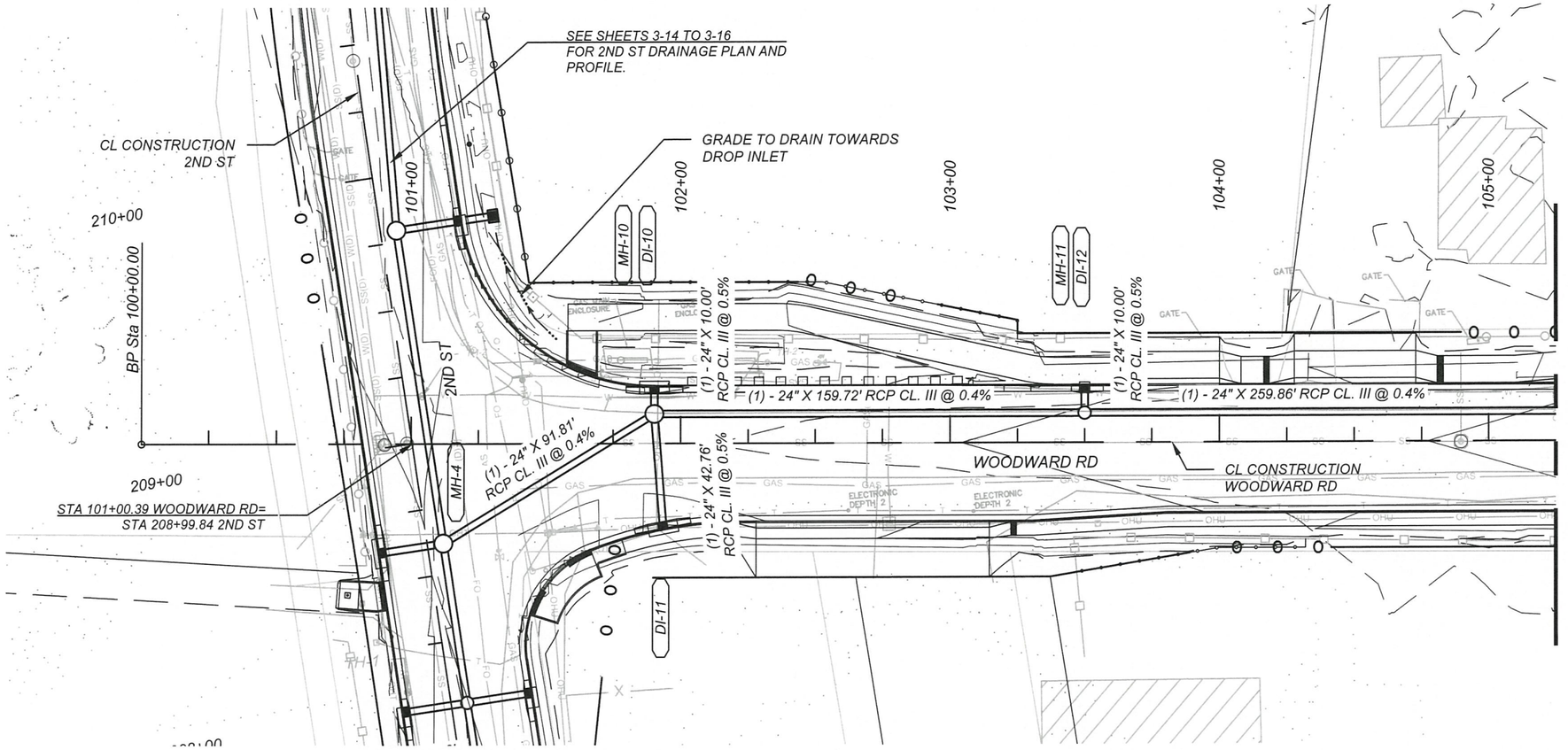
NMDOT CN: A300161

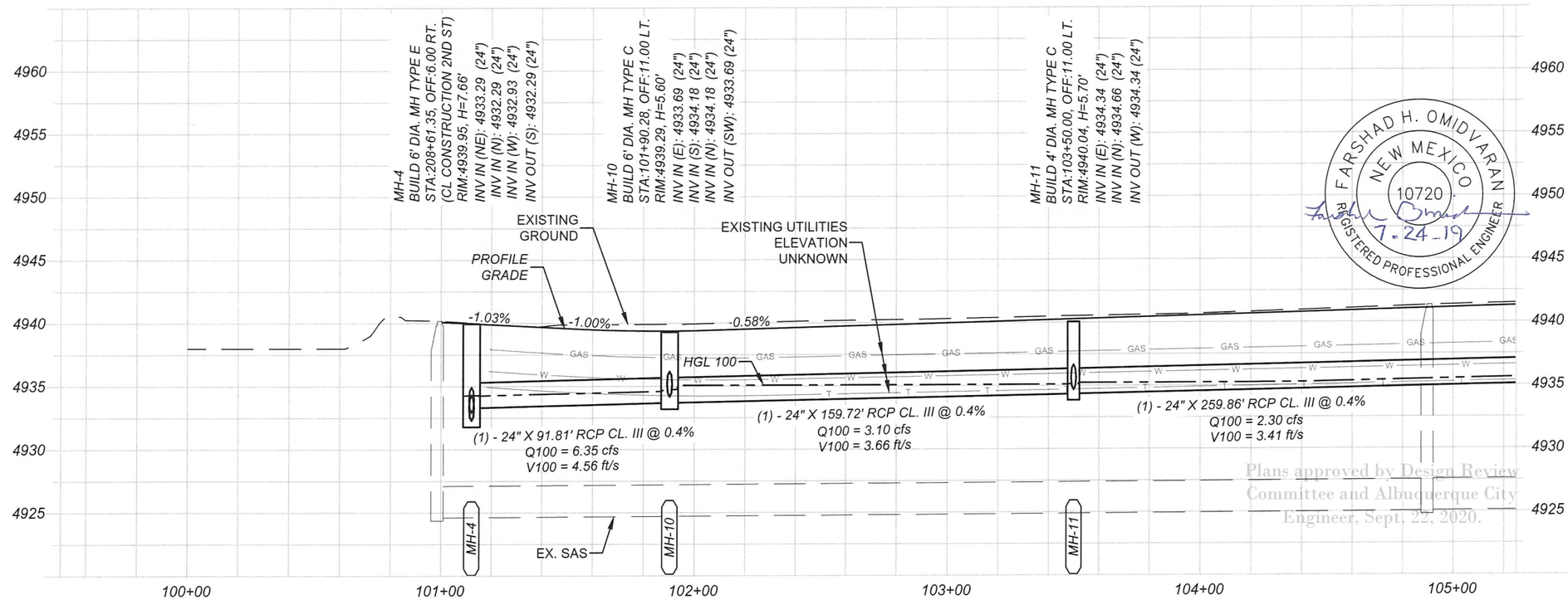
CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Administrative City Engineer, Apr. 2020

24 Jul 2019

60572657: C:\prowork\ag\aecom...de18...ja\jordan.thompson3@aecom.com\d0118030\A300161_3-8JPF.dwg PLOTTED: 7/24/19 - 11:07am Jordan.Thompson11





FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7-24-19

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

NOTES

1. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
2. STATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS AND OFFSETS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
3. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
4. ALL PROPOSED RCP CLASS III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP).
5. WHEN CONNECTING MANHOLES TO EXISTING STORM DRAINS, REMOVE EXISTING PIPE AS REQUIRED (PAID FOR AS ITEM NO. 662450 TIE TO EXISTING MANHOLE).

LEGEND

- MH-XX — PROPOSED MANHOLE REF. NO.
- DI-XX — PROPOSED DRAINAGE INLET REF. NO.
- EX.MH-X — EXISTING MANHOLE REF. NO.
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW

UTILITY LEGEND

- T — EXISTING TELEPHONE LINE
- FO — EXISTING FIBER OPTIC LINE
- TV — EXISTING CATV
- SS — EXISTING SANITARY SEWER / FORCE MAIN
- W — EXISTING WATER LINE
- GAS — EXISTING UNDERGROUND GAS
- UGE — EXISTING UNDERGROUND ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- SD — EXISTING STORM DRAIN

N

0 50 100 FEET

PROFILE VERTICAL SCALE: 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
DRAINAGE PLAN AND PROFILE
STA 100+00 TO STA 105+25

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

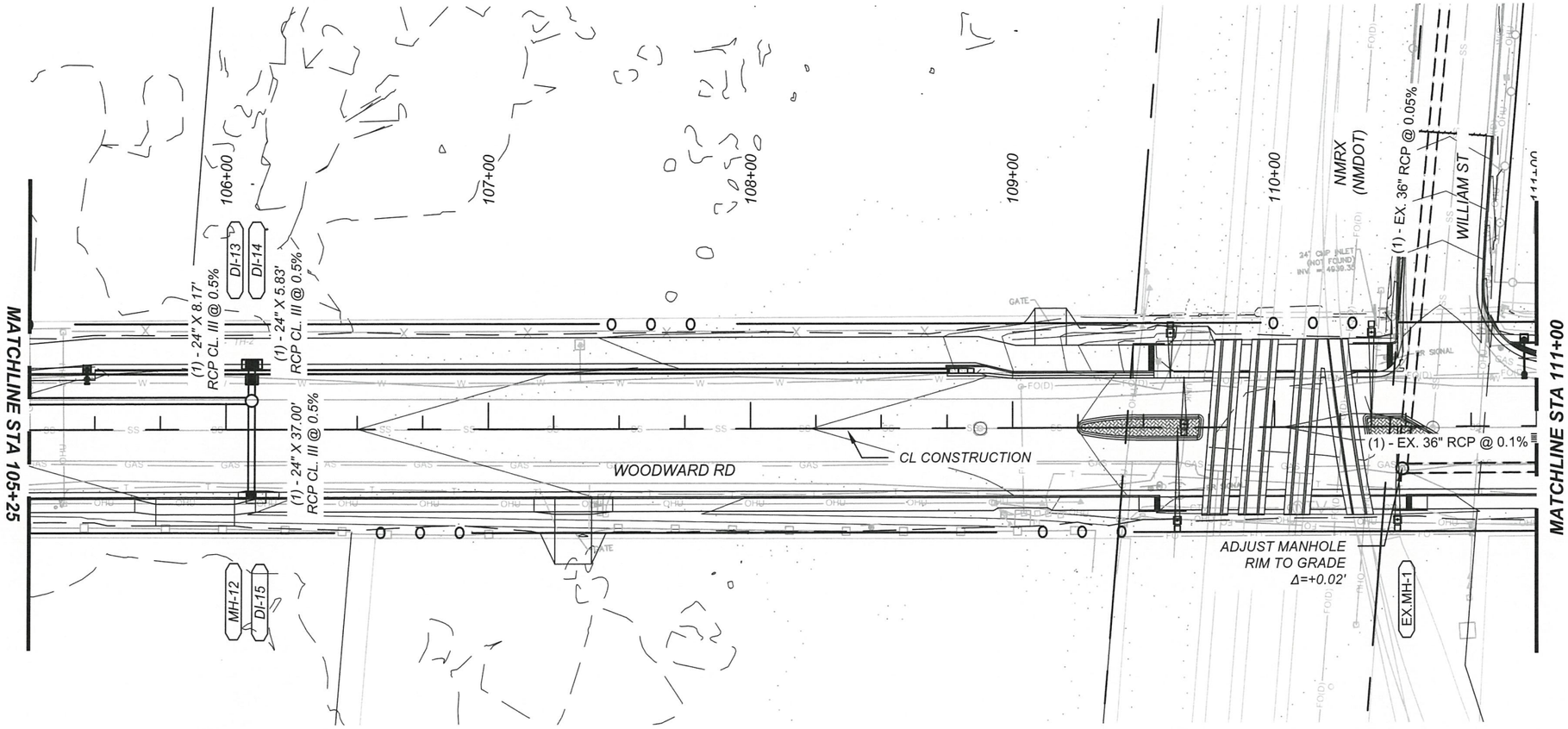
SHEET 3-9 OF

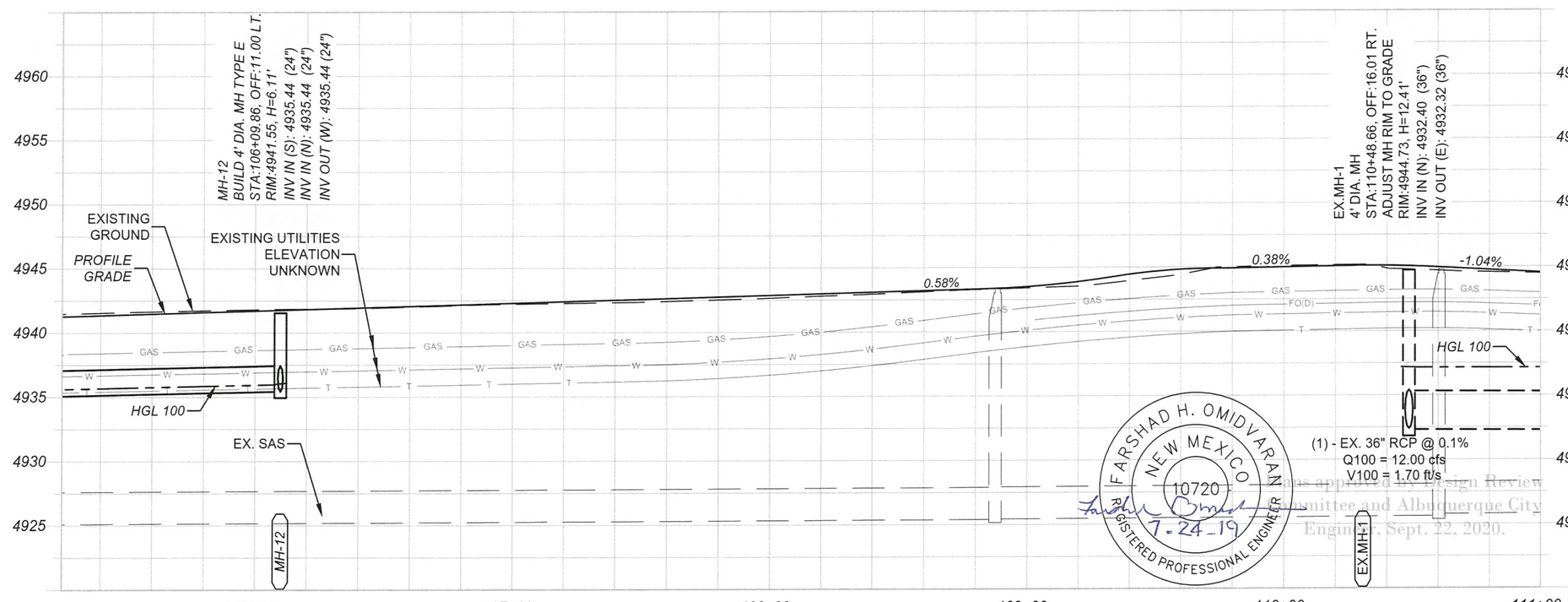
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\USA56671341\ppgdata\local\temp\AcPublish_5344\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 2:53pm USA56671341





NOTES

1. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
2. STATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS AND OFFSETS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
3. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
4. ALL PROPOSED RCP CLASS III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP).
5. WHEN CONNECTING MANHOLES TO EXISTING STORM DRAINS, REMOVE EXISTING PIPE AS REQUIRED (PAID FOR AS ITEM NO. 662450 TIE TO EXISTING MANHOLE).

LEGEND

- MH-XX — PROPOSED MANHOLE REF. NO.
- DI-XX — PROPOSED DRAINAGE INLET REF. NO.
- EX.MH-X — EXISTING MANHOLE REF. NO.
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW

UTILITY LEGEND

- T — EXISTING TELEPHONE LINE
- FO — EXISTING FIBER OPTIC LINE
- TV — EXISTING CATV
- SS — EXISTING SANITARY SEWER / FORCE MAIN
- W — EXISTING WATER LINE
- GAS — EXISTING UNDERGROUND GAS
- UGE — EXISTING UNDERGROUND ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- SD — EXISTING STORM DRAIN

N

0 50 100 FEET

PROFILE VERTICAL SCALE: 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7-24-19

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

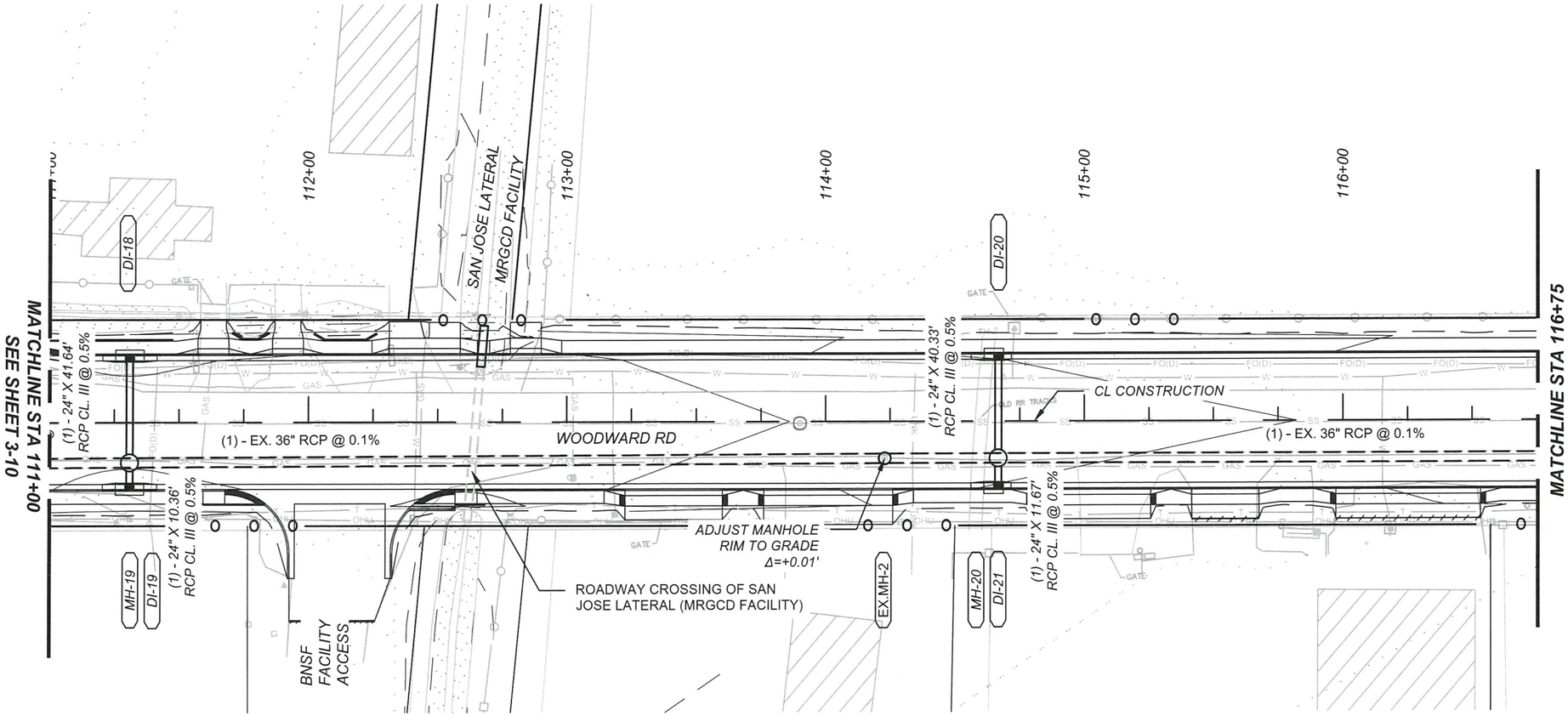
WOODWARD ROAD IMPROVEMENTS
DRAINAGE PLAN AND PROFILE
STA 105+25 TO STA 111+00

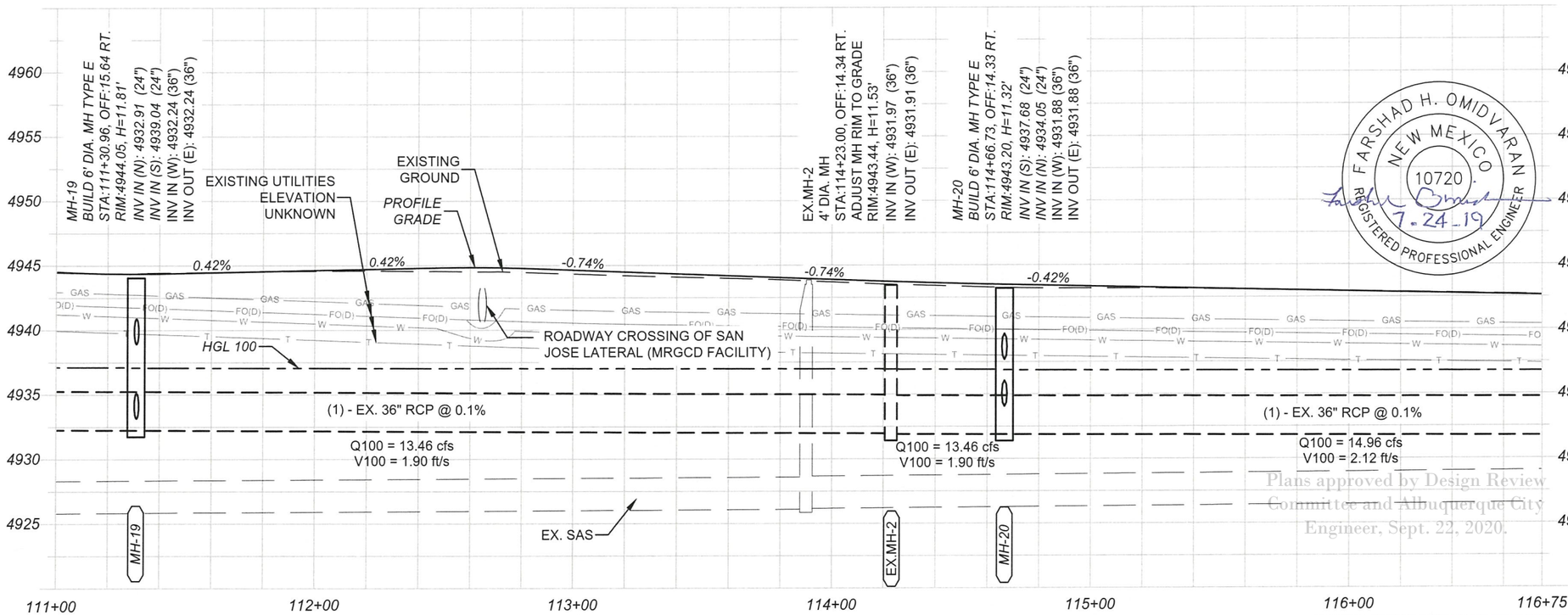
BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 3-10 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\Users\USA56713411\ppdata\local\temp\AcPublish_5344\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 2:53pm USA56713411





NOTES

1. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
2. STATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS AND OFFSETS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
3. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
4. ALL PROPOSED RCP CLASS III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP).
5. WHEN CONNECTING MANHOLES TO EXISTING STORM DRAINS, REMOVE EXISTING PIPE AS REQUIRED (PAID FOR AS ITEM NO. 662450 TIE TO EXISTING MANHOLE).

LEGEND

- MH-XX — PROPOSED MANHOLE REF. NO.
- DI-XX — PROPOSED DRAINAGE INLET REF. NO.
- EX.MH-X — EXISTING MANHOLE REF. NO.
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW

UTILITY LEGEND

- T — EXISTING TELEPHONE LINE
- FO — EXISTING FIBER OPTIC LINE
- TV — EXISTING CATV
- SS — EXISTING SANITARY SEWER / FORCE MAIN
- W — EXISTING WATER LINE
- GAS — EXISTING UNDERGROUND GAS
- UGE — EXISTING UNDERGROUND ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- SD — EXISTING STORM DRAIN

N

0 50 100 FEET

PROFILE VERTICAL SCALE: 1"=10'

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7-24-19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

WOODWARD ROAD IMPROVEMENTS
DRAINAGE PLAN AND PROFILE
STA 111+00 TO STA 116+75

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 3-11 OF

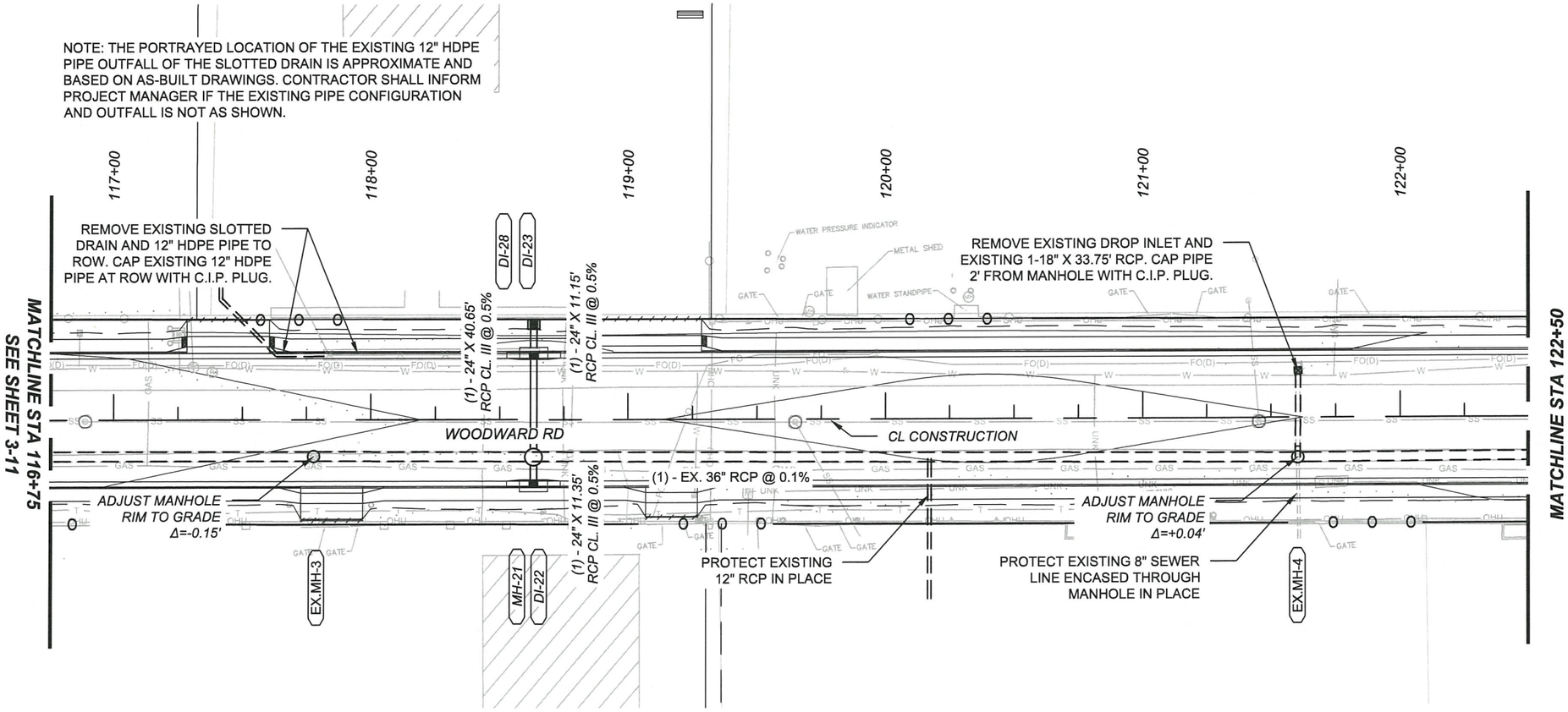
DESIGNED BY:

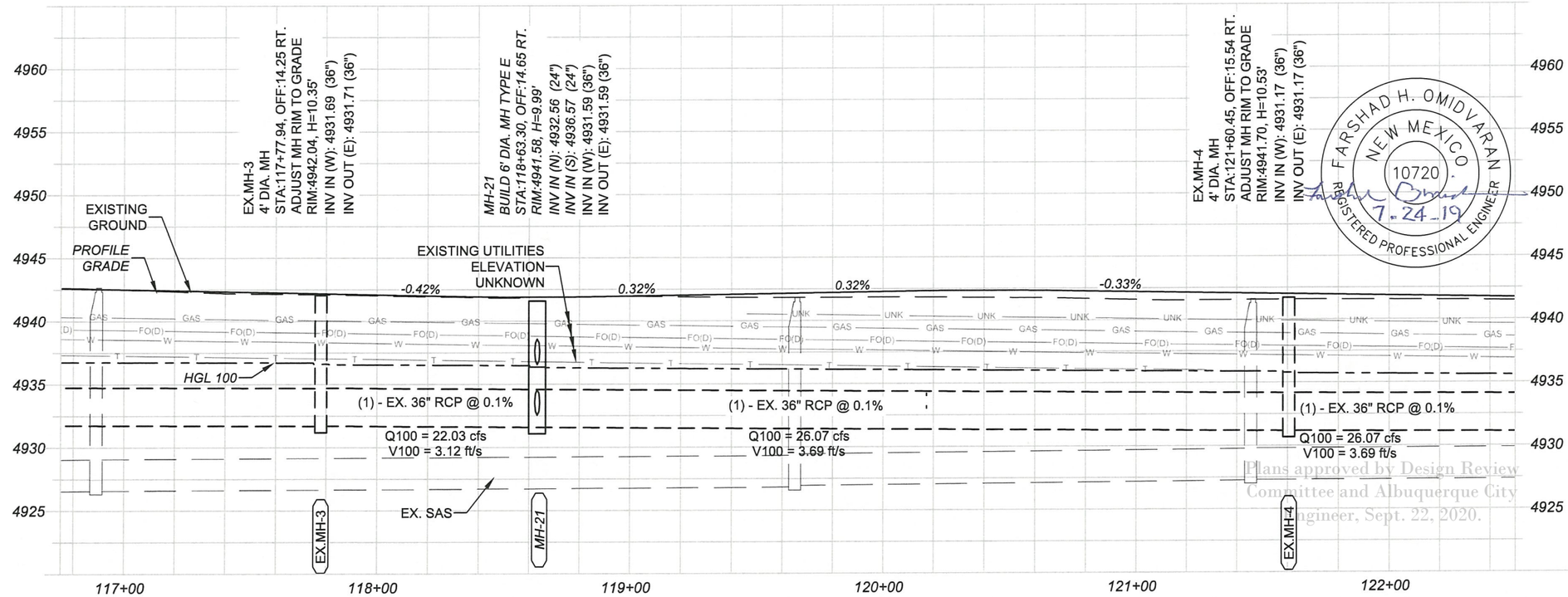
DRAWING SCALE:

NMDOT CN: A300161

605726S7.C:\Users\USA5671341\ppdata\local\temp\AcPublish_5344\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 2:53pm USA5671341

NOTE: THE PORTRAYED LOCATION OF THE EXISTING 12" HDPE PIPE OUTFALL OF THE SLOTTED DRAIN IS APPROXIMATE AND BASED ON AS-BUILT DRAWINGS. CONTRACTOR SHALL INFORM PROJECT MANAGER IF THE EXISTING PIPE CONFIGURATION AND OUTFALL IS NOT AS SHOWN.





FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7-24-19

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

NOTES

1. *STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.*
2. *STATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS AND OFFSETS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.*
3. *PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.*
4. *ALL PROPOSED RCP CLASS III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP).*
5. *WHEN CONNECTING MANHOLES TO EXISTING STORM DRAINS, REMOVE EXISTING PIPE AS REQUIRED (PAID FOR AS ITEM NO. 662450 TIE TO EXISTING MANHOLE).*

LEGEND

- MH-XX — PROPOSED MANHOLE REF. NO.
- DI-XX — PROPOSED DRAINAGE INLET REF. NO.
- EX.MH-X — EXISTING MANHOLE REF. NO.
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW

UTILITY LEGEND

- T — EXISTING TELEPHONE LINE
- FO — EXISTING FIBER OPTIC LINE
- TV — EXISTING CATV
- SS — EXISTING SANITARY SEWER / FORCE MAIN
- W — EXISTING WATER LINE
- GAS — EXISTING UNDERGROUND GAS
- UGE — EXISTING UNDERGROUND ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- SD — EXISTING STORM DRAIN

N

0 50 100 FEET

PROFILE VERTICAL SCALE: 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

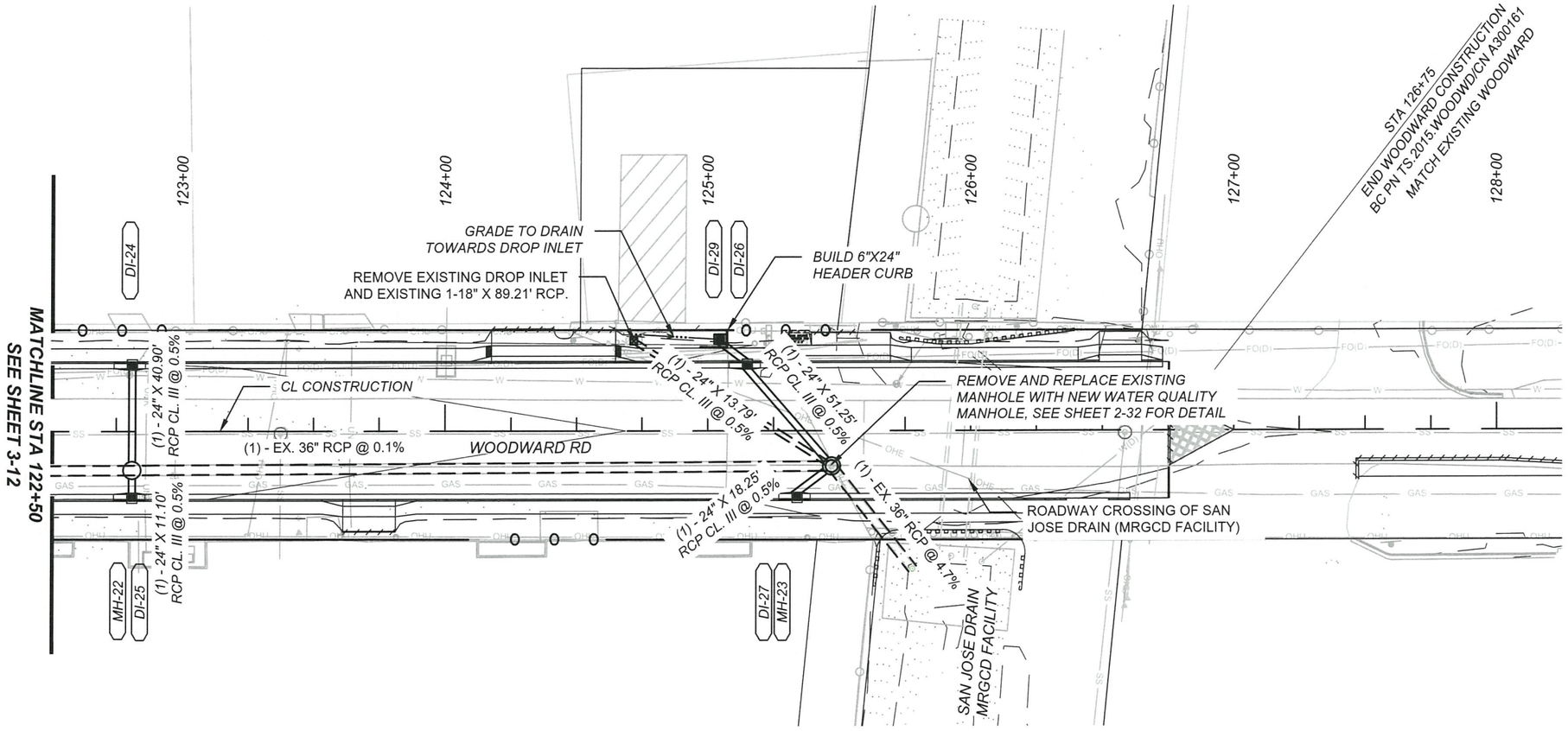
WOODWARD ROAD IMPROVEMENTS
DRAINAGE PLAN AND PROFILE
STA 116+75 TO STA 122+50

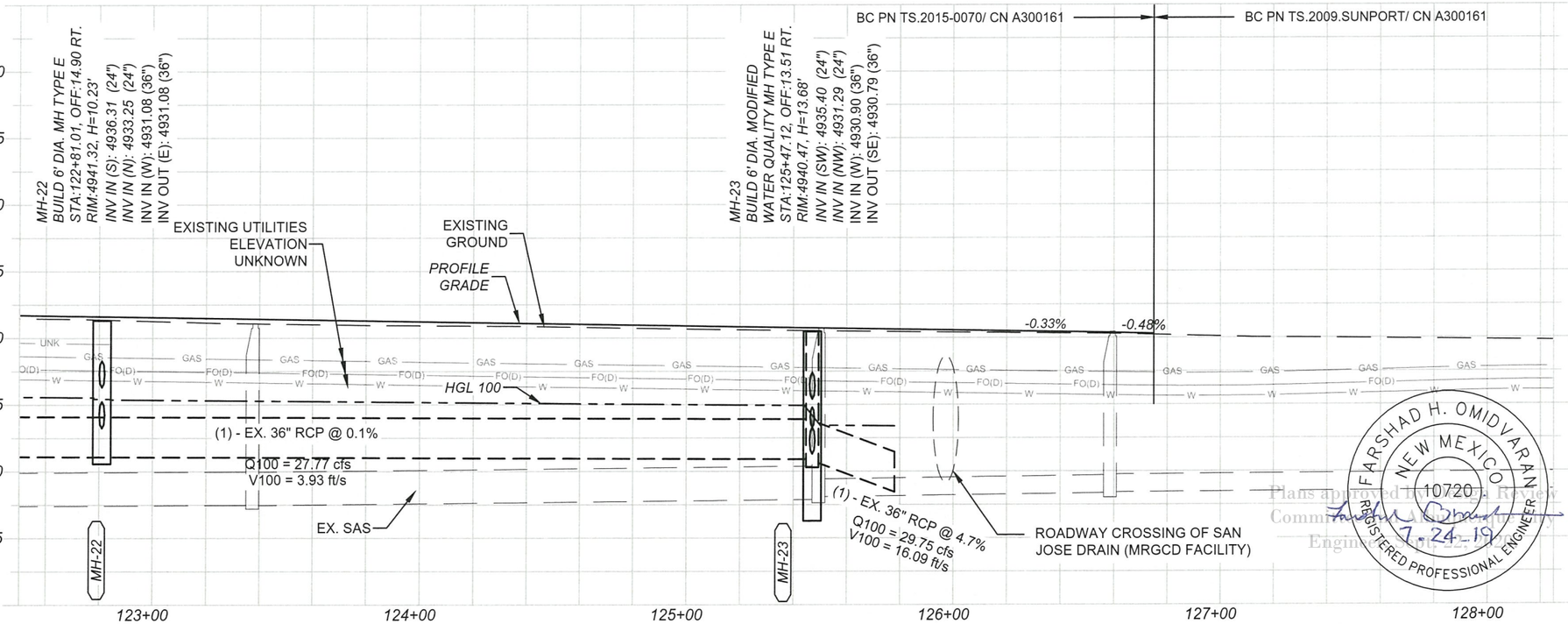
BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 3-12 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\secom_db1b_ou\sat12259\d0116493\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 4:18pm USA5671341





NOTES

1. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
2. STATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS AND OFFSETS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
3. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
4. ALL PROPOSED RCP CLASS III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP).
5. WHEN CONNECTING MANHOLES TO EXISTING STORM DRAINS, REMOVE EXISTING PIPE AS REQUIRED (PAID FOR AS ITEM NO. 662450 TIE TO EXISTING MANHOLE).

LEGEND

- MH-XX — PROPOSED MANHOLE REF. NO.
- DI-XX — PROPOSED DRAINAGE INLET REF. NO.
- EX.MH-X — EXISTING MANHOLE REF. NO.
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW

UTILITY LEGEND

- T — EXISTING TELEPHONE LINE
- FO — EXISTING FIBER OPTIC LINE
- TV — EXISTING CATV
- SS — EXISTING SANITARY SEWER / FORCE MAIN
- W — EXISTING WATER LINE
- GAS — EXISTING UNDERGROUND GAS
- UGE — EXISTING UNDERGROUND ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- SD — EXISTING STORM DRAIN

N

0 50 100 FEET

PROFILE VERTICAL SCALE: 1"=10'

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357
WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7-24-19

Plans approved by Review Committee for Engineering Accuracy

WOODWARD ROAD IMPROVEMENTS
DRAINAGE PLAN AND PROFILE
STA 122+50 TO STA 128+75

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

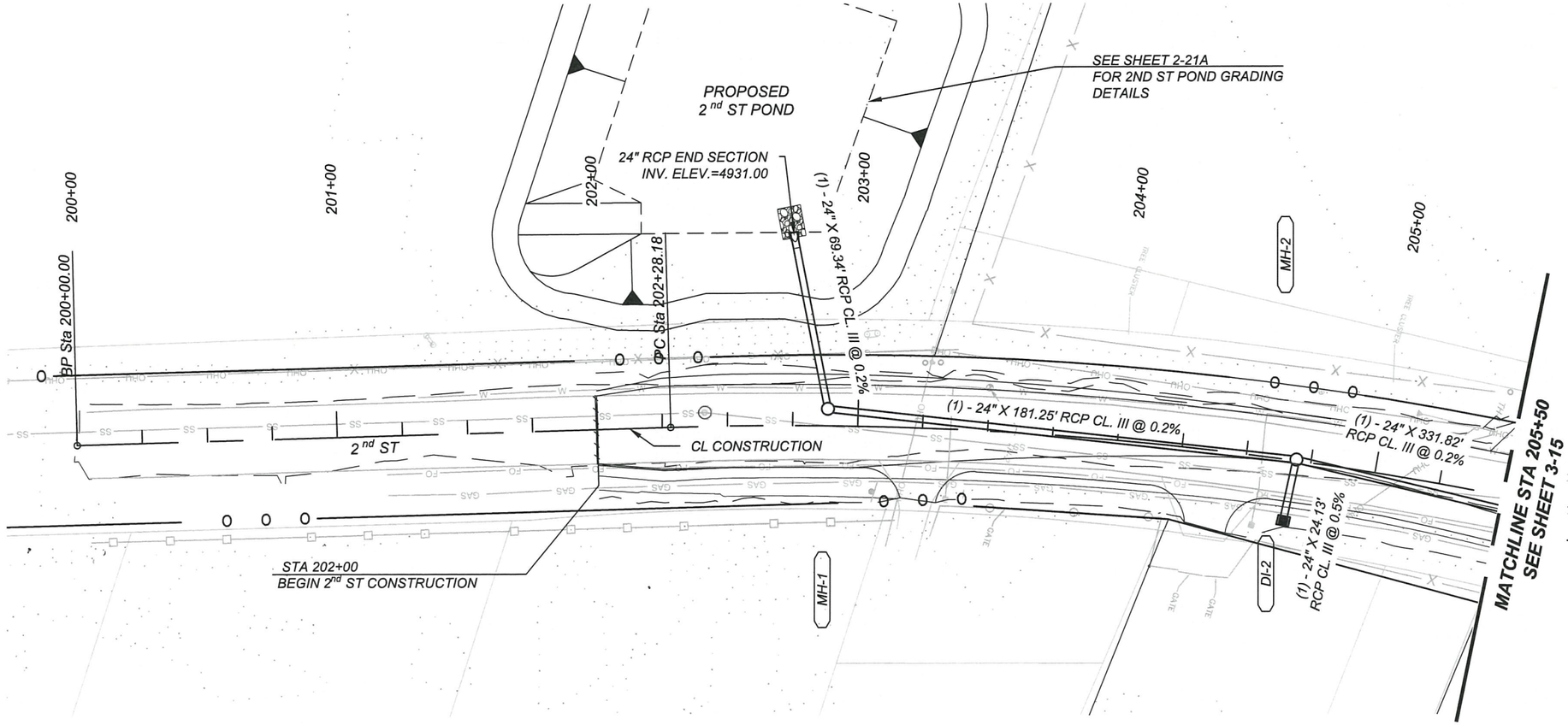
SHEET 3-13 OF

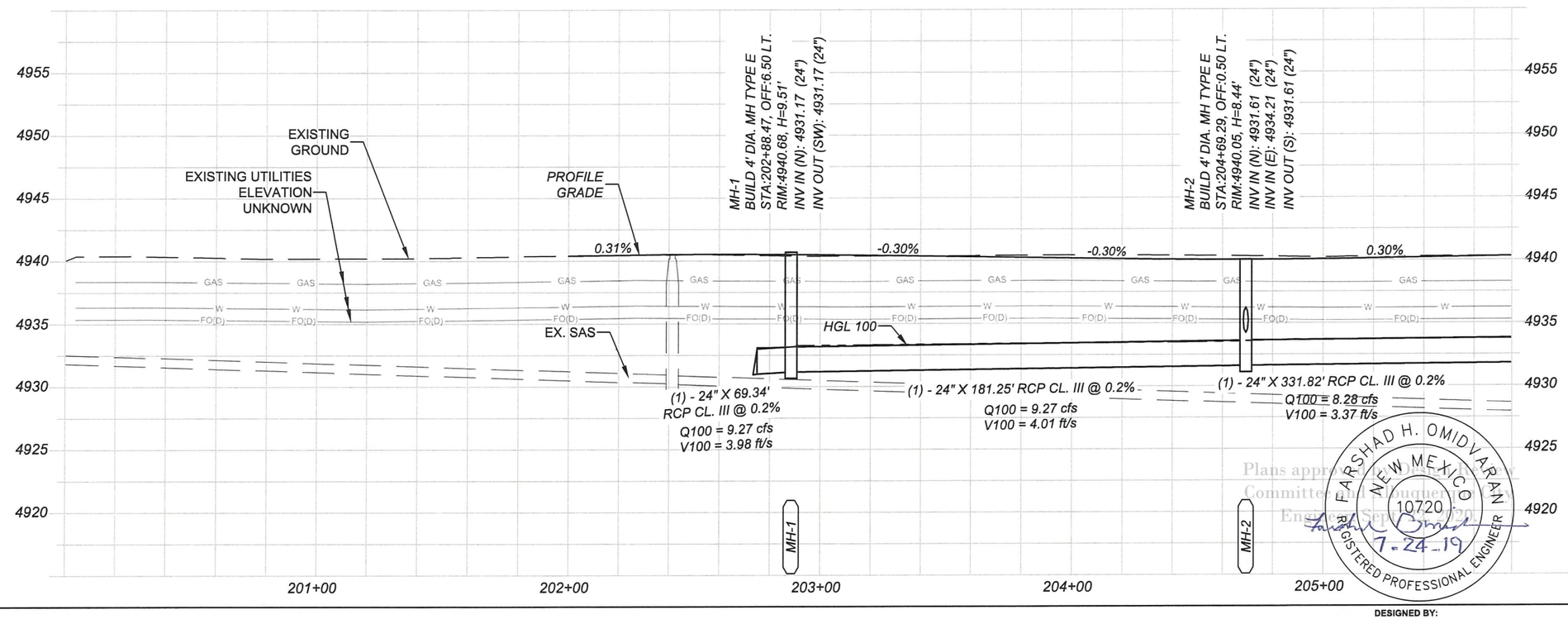
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\USA56711341\ppdata\local\temp\AcPublish_5344\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 2:53pm USA56711341





NOTES

1. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
2. STATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS AND OFFSETS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
3. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
4. ALL PROPOSED RCP CLASS III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP).
5. WHEN CONNECTING MANHOLES TO EXISTING STORM DRAINS, REMOVE AND REPLACE 4 FEET OF EXISTING PIPE (PAID FOR AS ITEM NO. 662450 TIE TO EXISTING MANHOLE).

LEGEND

- MH-XX — PROPOSED MANHOLE REF. NO.
- DI-XX — PROPOSED DRAINAGE INLET REF. NO.
- EX.MH-X — EXISTING MANHOLE REF. NO.
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW

UTILITY LEGEND

- T — EXISTING TELEPHONE LINE
- FO — EXISTING FIBER OPTIC LINE
- TV — EXISTING CATV
- SS — EXISTING SANITARY SEWER / FORCE MAIN
- W — EXISTING WATER LINE
- GAS — EXISTING UNDERGROUND GAS
- UGE — EXISTING UNDERGROUND ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- SD — EXISTING STORM DRAIN

0 50 100 FEET

PROFILE VERTICAL SCALE: 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

2ND ST IMPROVEMENTS
DRAINAGE PLAN AND PROFILE
STA 200+00 TO STA 205+50

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 3-14 OF

DESIGNED BY:

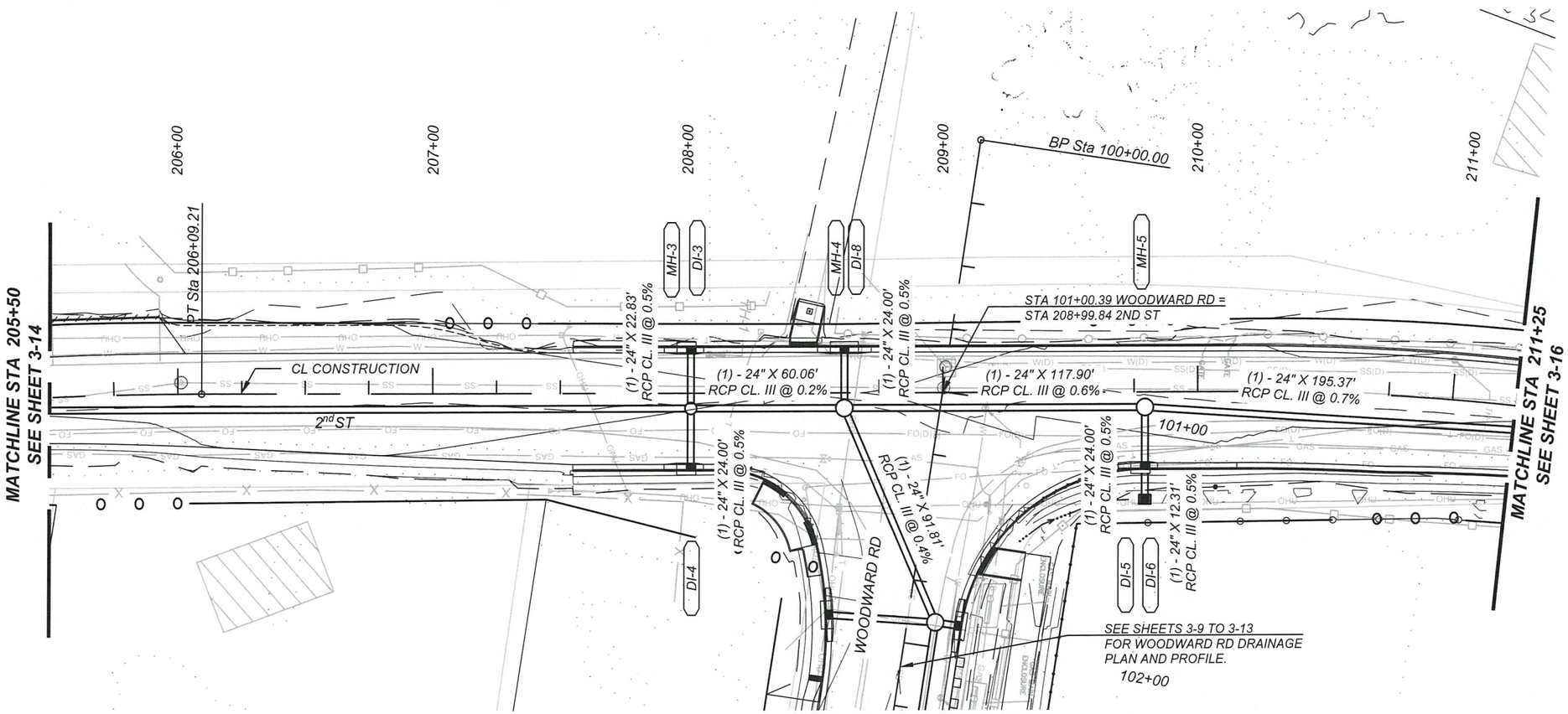
DRAWING SCALE:

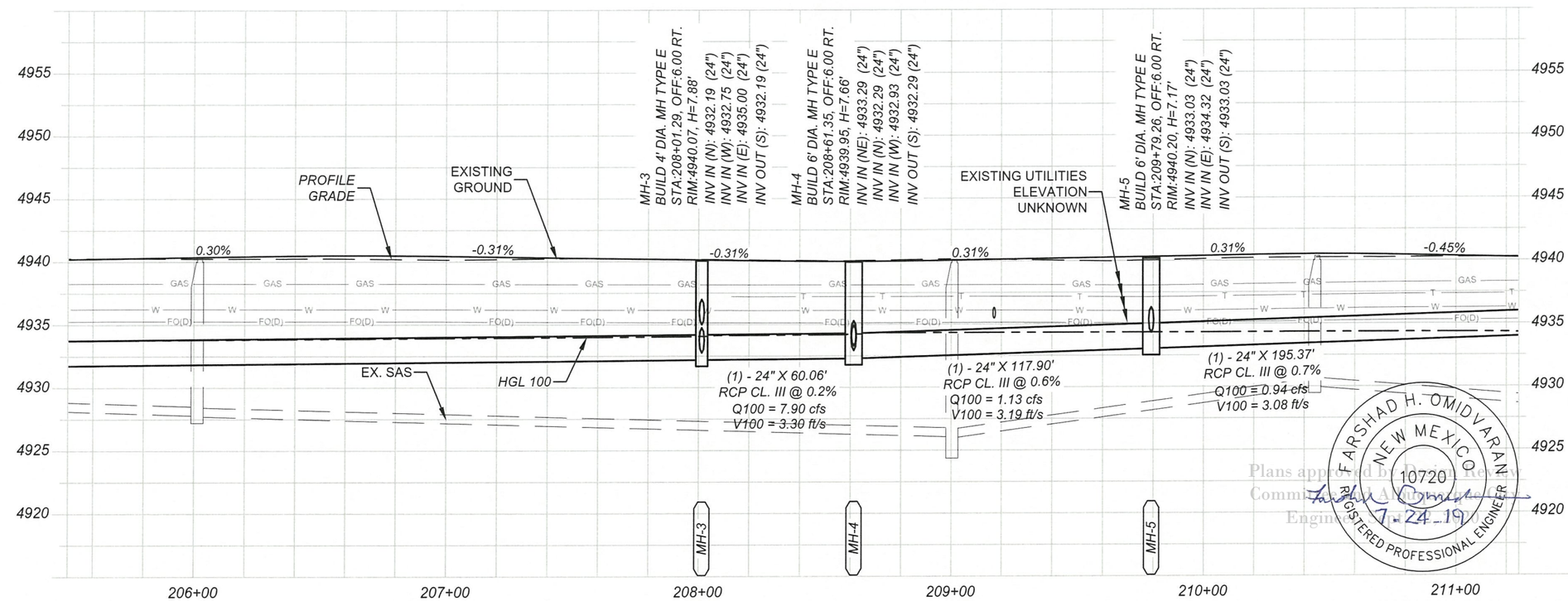
NMDOT CN: A300161

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER 7-24-19

Plans approved by the Development Review Committee for Bernalillo County Engineering Services Division

60572657 C:\pwworking\cescm_ds16_nx\nat12259\d0116493\A300161_DrnstPP01.dwg PLOTTED: 7/24/19 - 2:58pm USA5671341





NOTES

1. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
2. STATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS AND OFFSETS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
3. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
4. ALL PROPOSED RCP CLASS III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP).
5. WHEN CONNECTING MANHOLES TO EXISTING STORM DRAINS, REMOVE EXISTING PIPE AS REQUIRED (PAID FOR AS ITEM NO. 662450 TIE TO EXISTING MANHOLE).

LEGEND

- MH-XX — PROPOSED MANHOLE REF. NO.
- DI-XX — PROPOSED DRAINAGE INLET REF. NO.
- EX.MH-X — EXISTING MANHOLE REF. NO.
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW

UTILITY LEGEND

- T — EXISTING TELEPHONE LINE
- FO — EXISTING FIBER OPTIC LINE
- TV — EXISTING CATV
- SS — EXISTING SANITARY SEWER / FORCE MAIN
- W — EXISTING WATER LINE
- GAS — EXISTING UNDERGROUND GAS
- UGE — EXISTING UNDERGROUND ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- SD — EXISTING STORM DRAIN

N

0 50 100 FEET

PROFILE VERTICAL SCALE: 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

2ND ST IMPROVEMENTS
DRAINAGE PLAN AND PROFILE
STA 205+50 TO STA 211+25

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7-24-19

Plans approved by Design Review Committee and Administrative Engineer

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

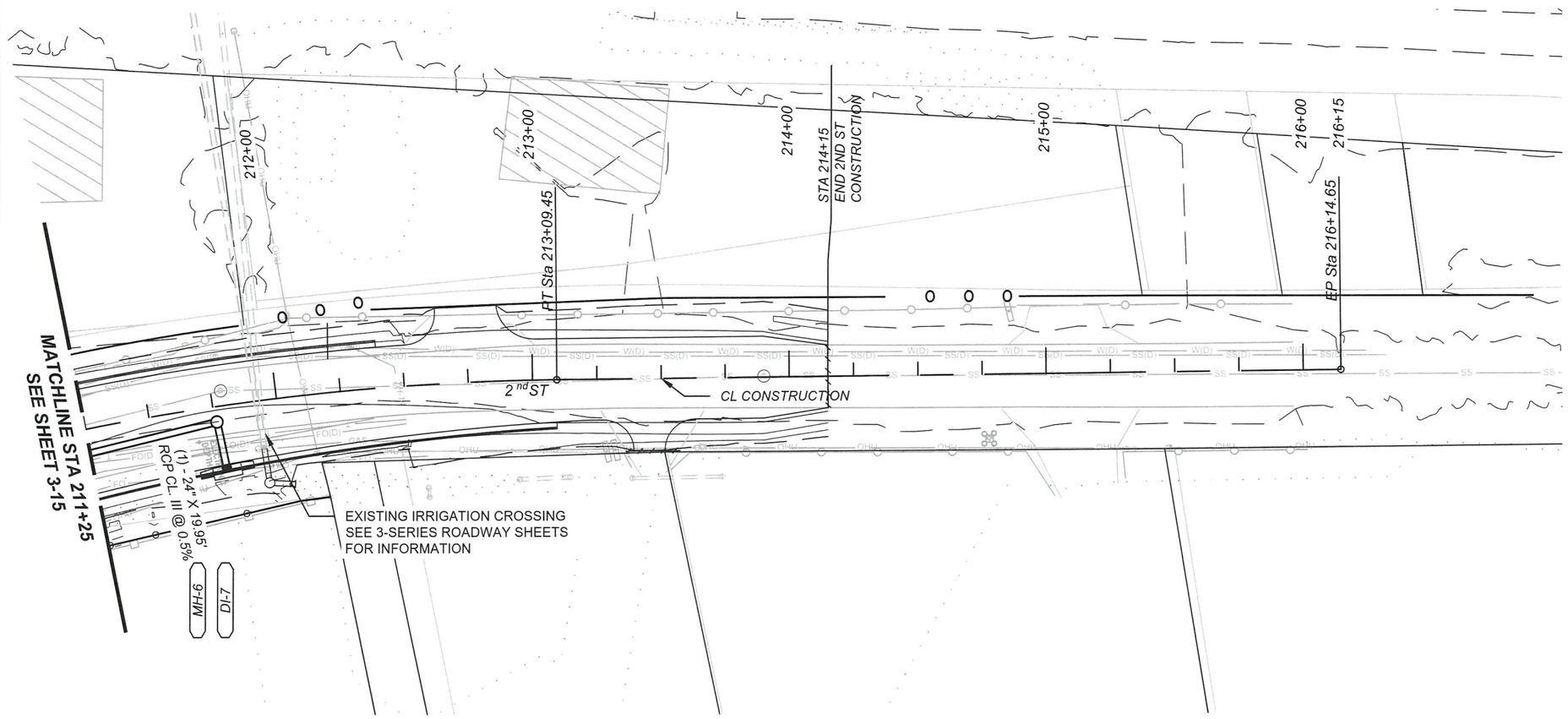
SHEET 3-15 OF

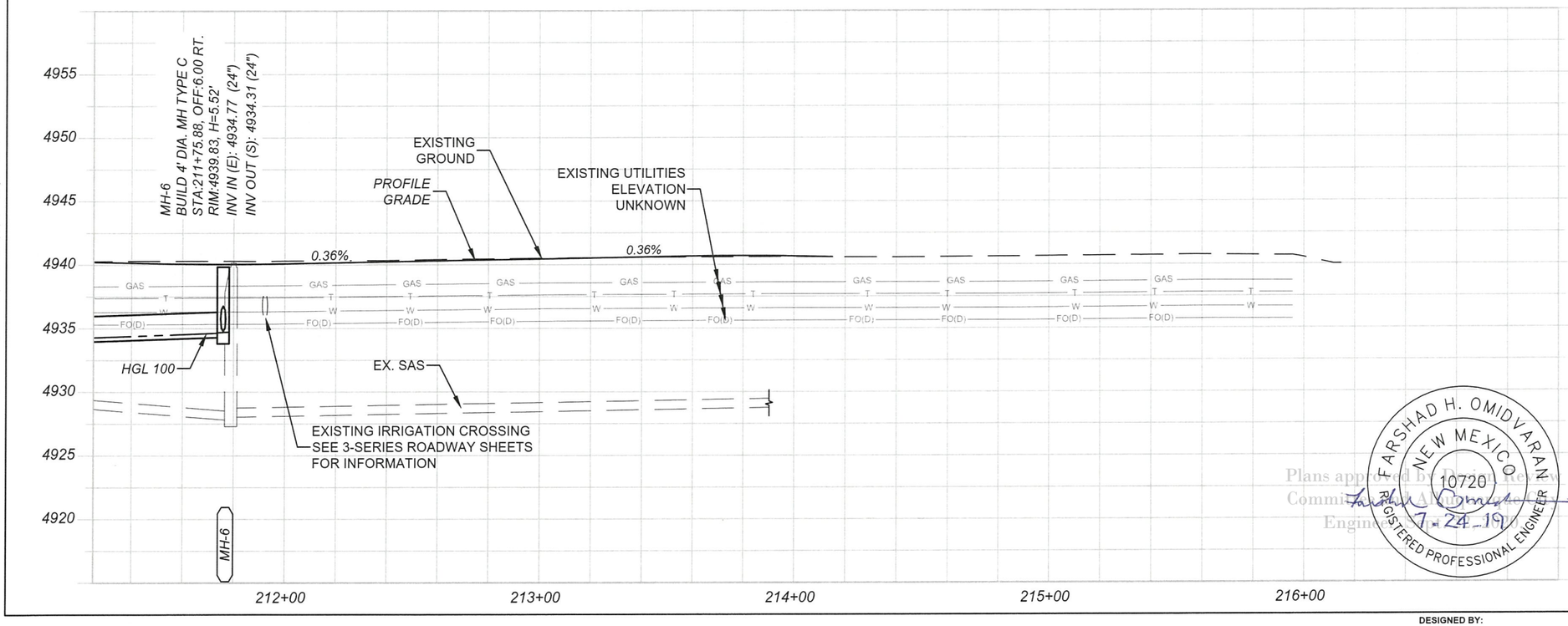
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\USA56713411\ppdata\local\temp\AcPublish_5344\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 2:54pm USA56713411





NOTES

1. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
2. STATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS AND OFFSETS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
3. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
4. ALL PROPOSED RCP CLASS III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP).
5. WHEN CONNECTING MANHOLES TO EXISTING STORM DRAINS, REMOVE EXISTING PIPE AS REQUIRED (PAID FOR AS ITEM NO. 662450 TIE TO EXISTING MANHOLE).

LEGEND

- MH-XX — PROPOSED MANHOLE REF. NO.
- DI-XX — PROPOSED DRAINAGE INLET REF. NO.
- EX.MH-X — EXISTING MANHOLE REF. NO.
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING ROW

UTILITY LEGEND

- T — EXISTING TELEPHONE LINE
- FO — EXISTING FIBER OPTIC LINE
- TV — EXISTING CATV
- SS — EXISTING SANITARY SEWER / FORCE MAIN
- W — EXISTING WATER LINE
- GAS — EXISTING UNDERGROUND GAS
- UGE — EXISTING UNDERGROUND ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- SD — EXISTING STORM DRAIN

N

0 50 100 FEET

PROFILE VERTICAL SCALE: 1"=10'

REVISIONS		
6		
5		
4		
3		
2		
1		
NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7-24-19

Plans approved by Design Review
Committee for Albuquerque
Engineering

2ND ST IMPROVEMENTS
DRAINAGE PLAN AND PROFILE
STA 211+25 TO STA 216+15

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

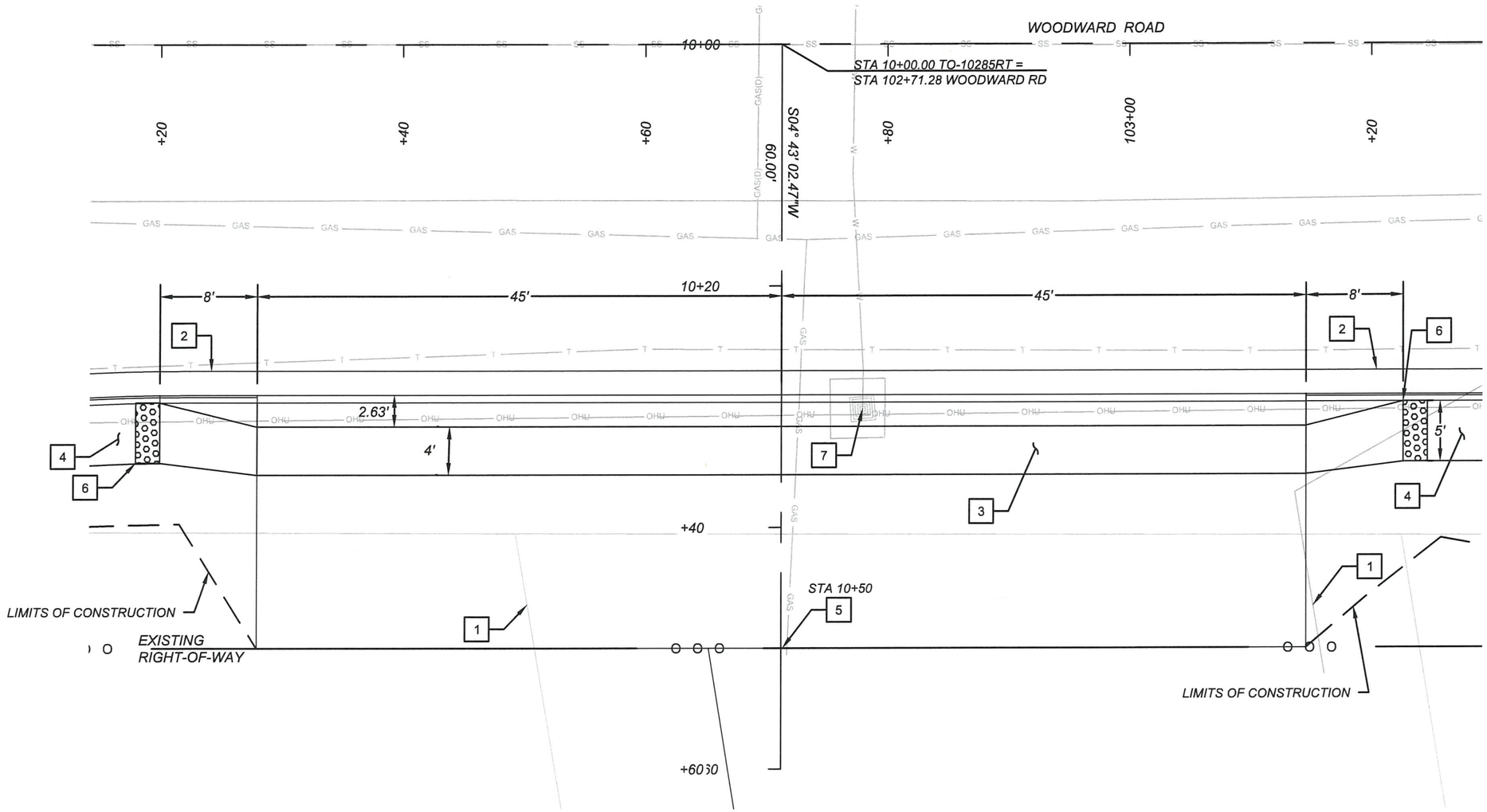
SHEET 3-16 OF

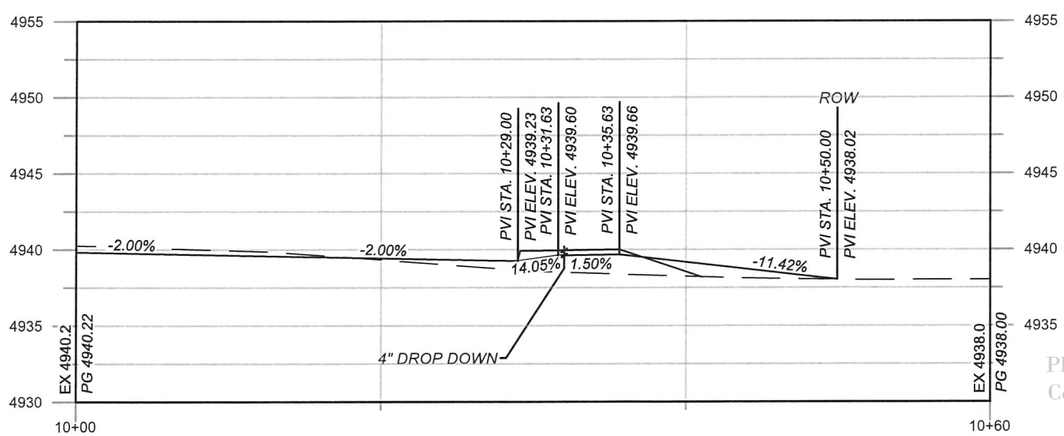
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\USA56711341\ppdata\local\temp\AcPublish_5344\A300161_DrainPP01.dwg PLOTTED: 7/24/19 - 2:54pm USA56711341





TO-10285RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.
4. SEE SHEET 2-14 FOR ADDITIONAL DRIVEPAD INFORMATION.

KEYED NOTES

1	EDGE OF PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2B WITH 4" DROP DOWN , PER NMDOT 608-008-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	INSTALL DETECTABLE WARNING STRIP
7	EXISTING WATER METER TO BE RELOCATED (BY OTHERS)

N

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-10285RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-1 OF

DESIGNED BY:

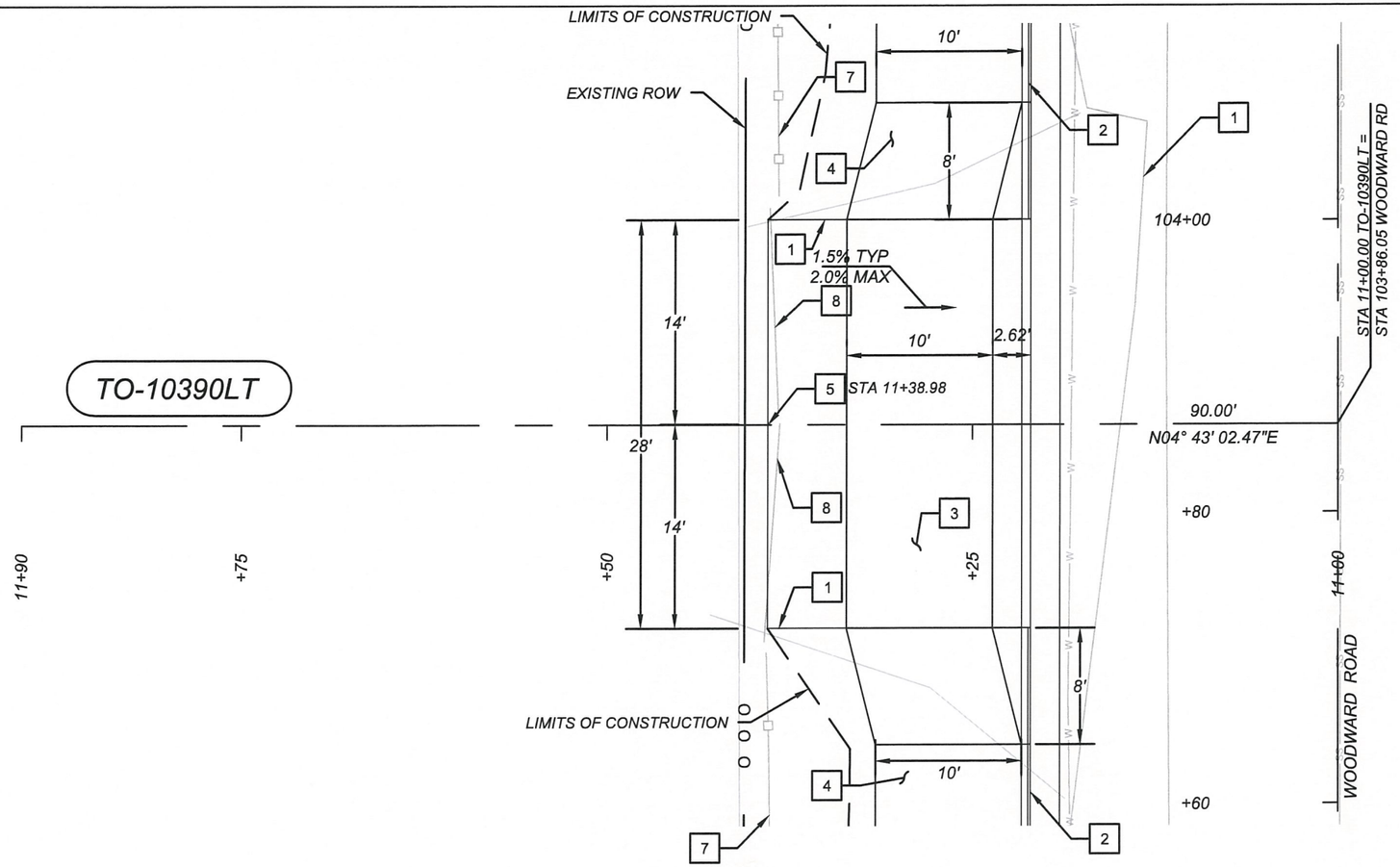
DRAWING SCALE:

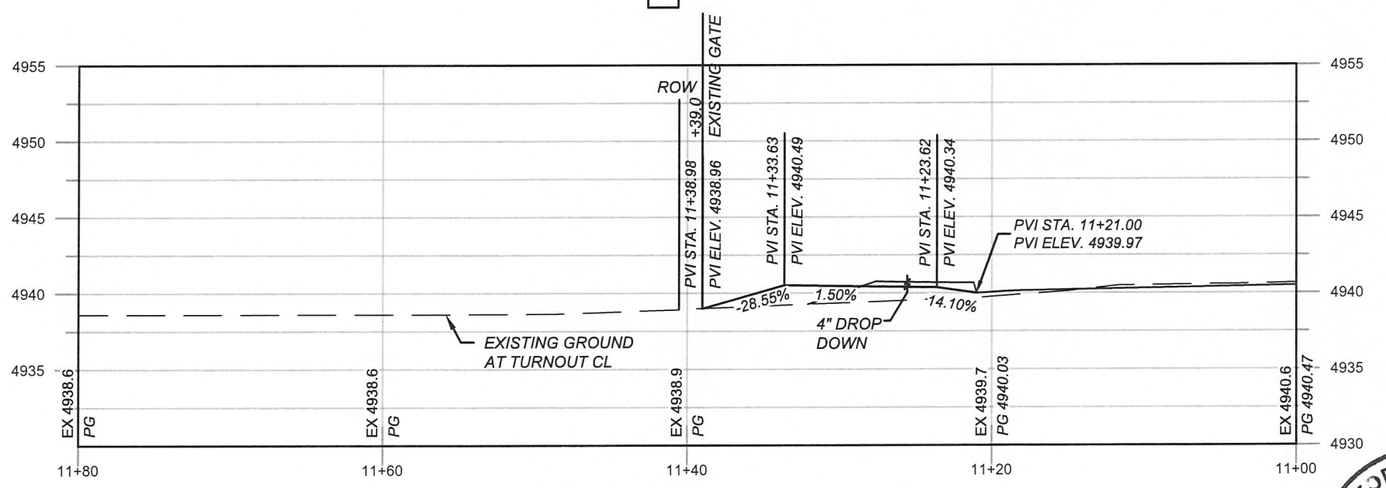
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by the Review Committee of the Albuquerque Engineering Commission

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson3@aecom.com\d0118031\A300161_4-01C.dwg PLOTTED: 7/24/19 - 11:18am Jordan.Thompson11





TO-10390LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2B, WITH 4" DROP DOWN, PER NMDOT 608-001-9.
4	SHARED USE PATH, SEE 3 SERIES
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING FENCE TO REMAIN
8	ADJUST EXISTING CHAINLINK GATE VERTICALLY ON EXISTING POST. (APPROX. 8")

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-10390LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-2 OF

DESIGNED BY:

DRAWING SCALE:

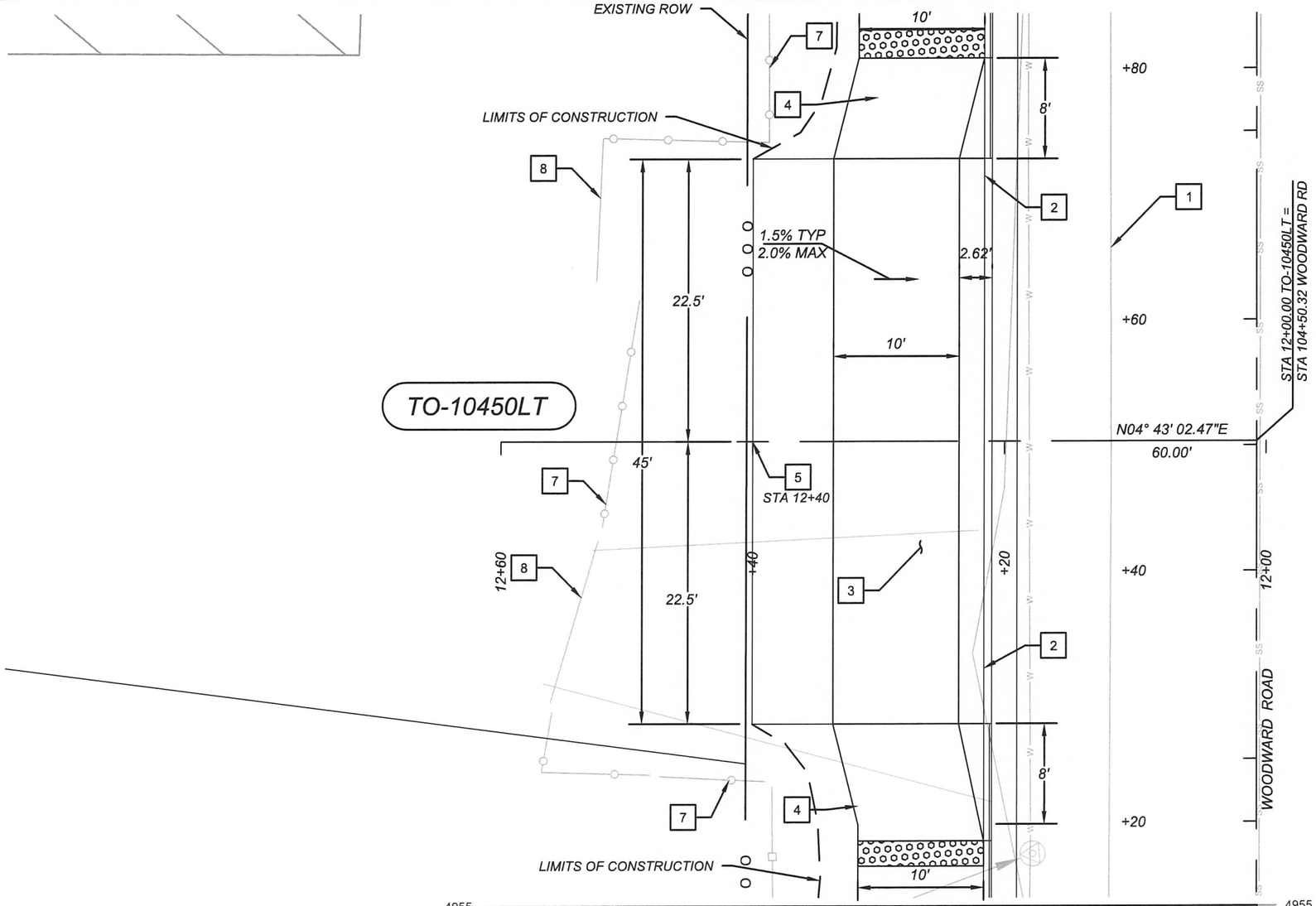
NMDOT CN: A300161

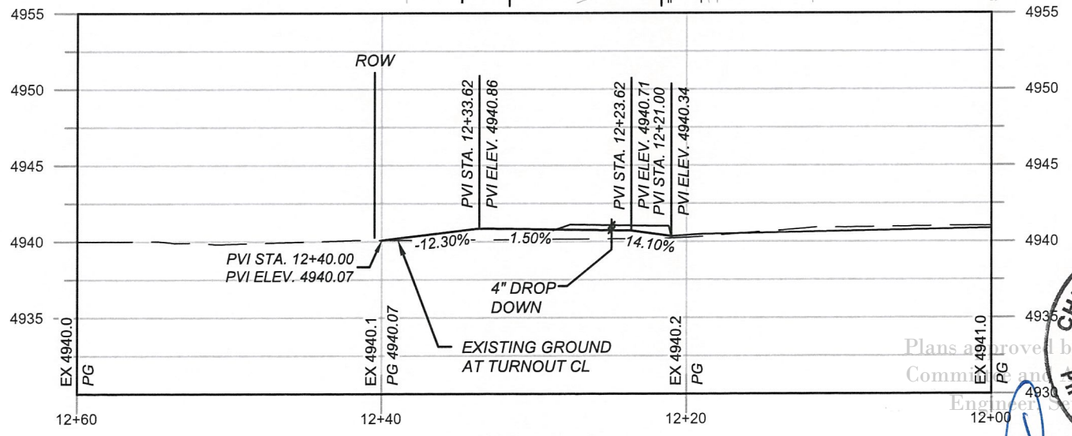
CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

Plans approved by Development Review Committee and Albuquerque Water Utility Engineering Staff.

24 Jul 2019

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0118031\A300161_4-024.dwg PLOTTED: 7/24/19 - 11:19am Jordan.Thompson11





TO-10450LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6" WITH 4" DROP DOWN. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING FENCE TO REMAIN
8	EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-10450LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-3 OF

DESIGNED BY:

DRAWING SCALE:

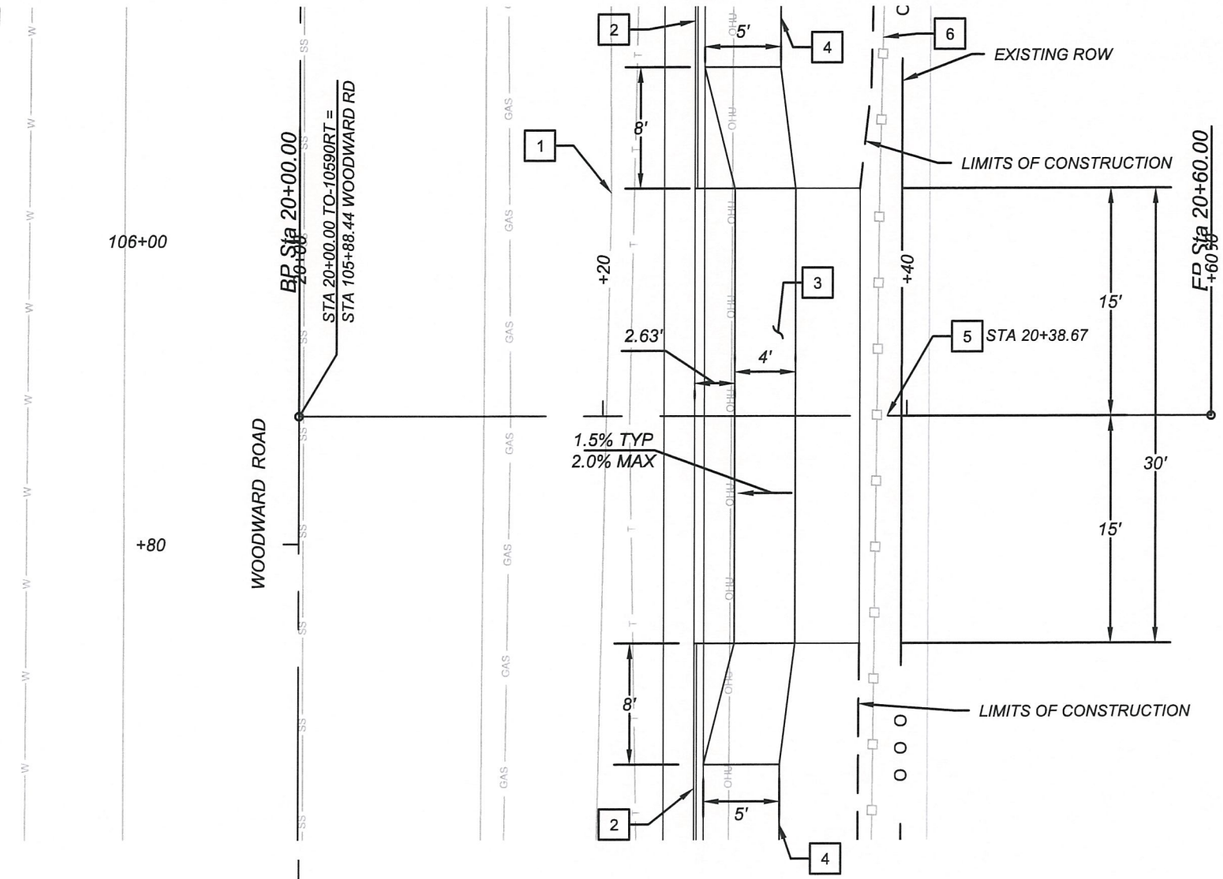
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

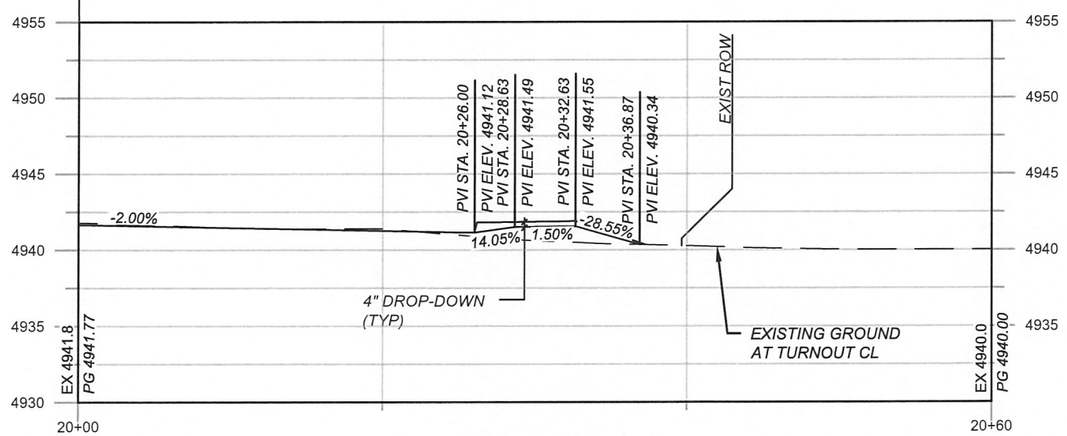
24 Jul 2019

Plans approved by Development Commission and Engineer's Office

60572657 C:\pwworking\aecom_ds16_ns\jordan.thompson3@aecom.com\d0118031\A300161_4-03.dwg PLOTTED: 7/24/19 - 11:19am Jordan.Thompson11



TO-10590RT



TO-10590RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2B, WITH 4" DROP DOWN, PER NMDOT 608-001-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	EXISTING FENCE TO REMAIN

N

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-10590RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-3A OF

DESIGNED BY:

DRAWING SCALE:

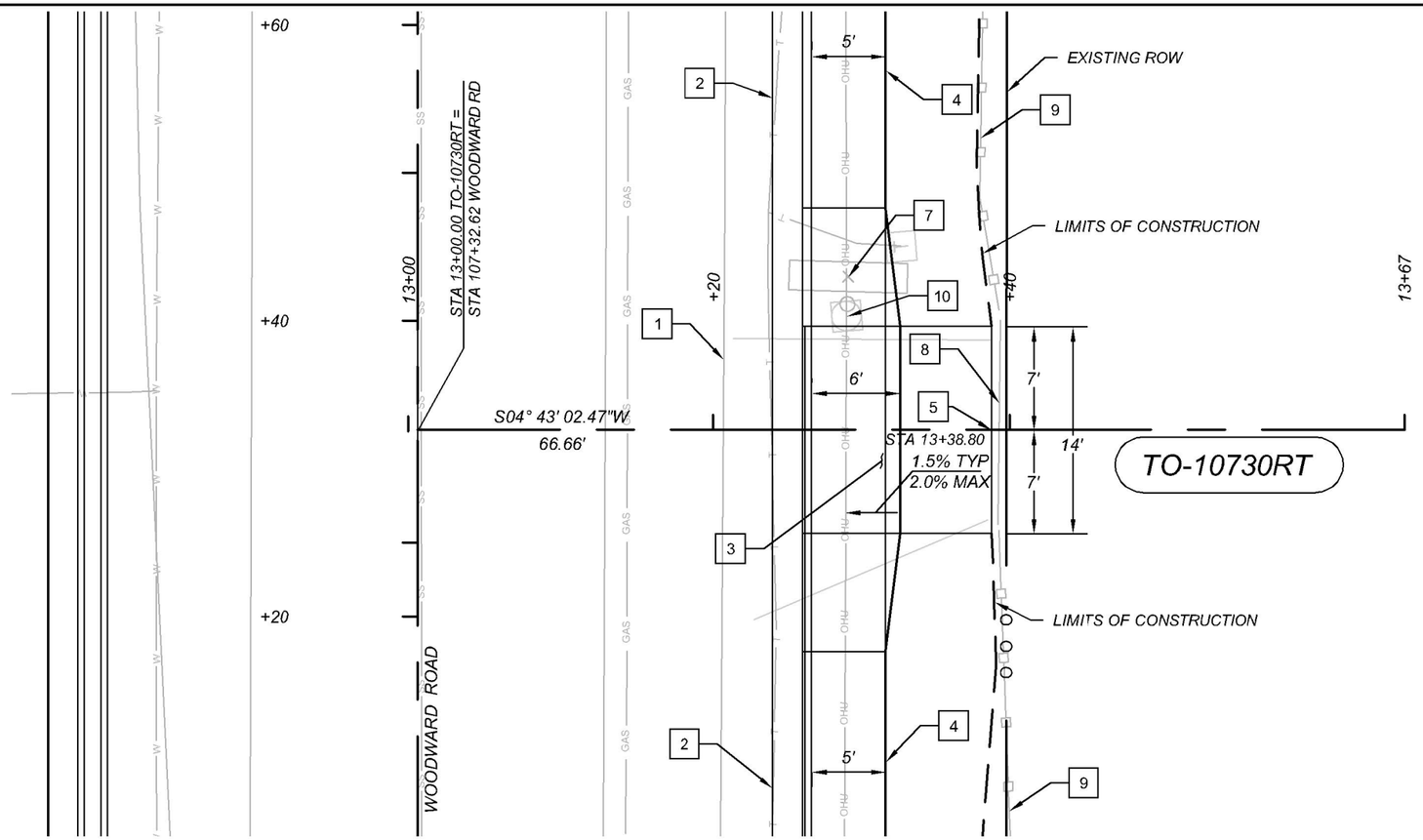
NMDOT CN: A300161

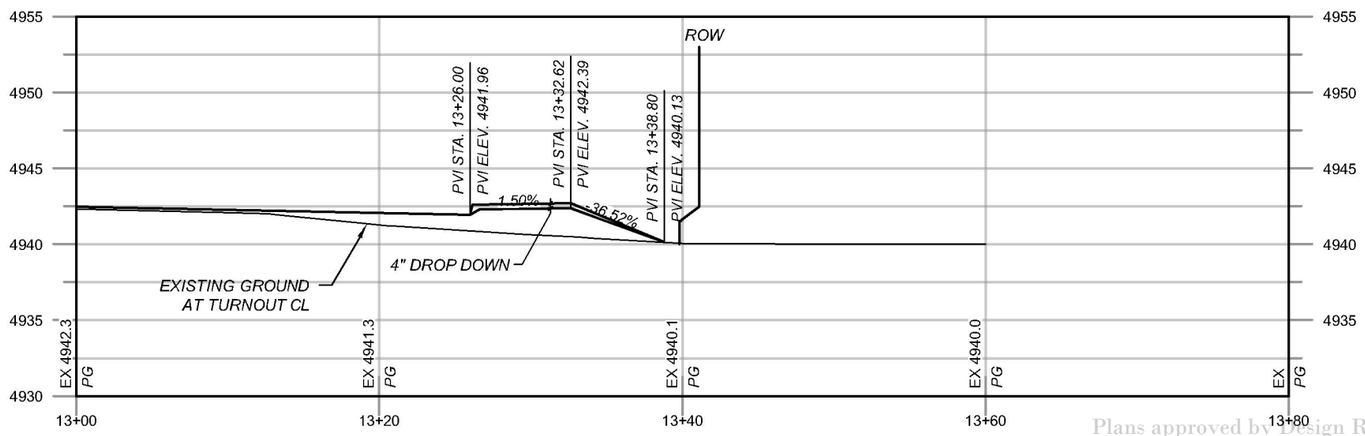
CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

24 Sep 2019

Plans approved by City Review Committee and All required Engineering Dept. Dir. Signatures

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson30@aecom.com\d0118031\A300161_4-03A.dwg PLOTTED: 7/24/19 - 11:19am Jordan.Thompson11





TO-10730RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2B WITH 4" DROP DOWN , PER NMDOT 608-008-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	RELOCATE EXISTING MAILBOX AND POST TO BACK OF SIDEWALK PER NMDOT STD DWG 667-01-1/2 AND -2/2
8	EXISTING CHAIN LINK GATE : PROTECT DURING CONSTRUCTION
9	EXISTING FENCE TO REMAIN
10	EXISTING POLE - TO BE RELOCATED (BY OTHERS)

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
7/14/2020

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-10730RT

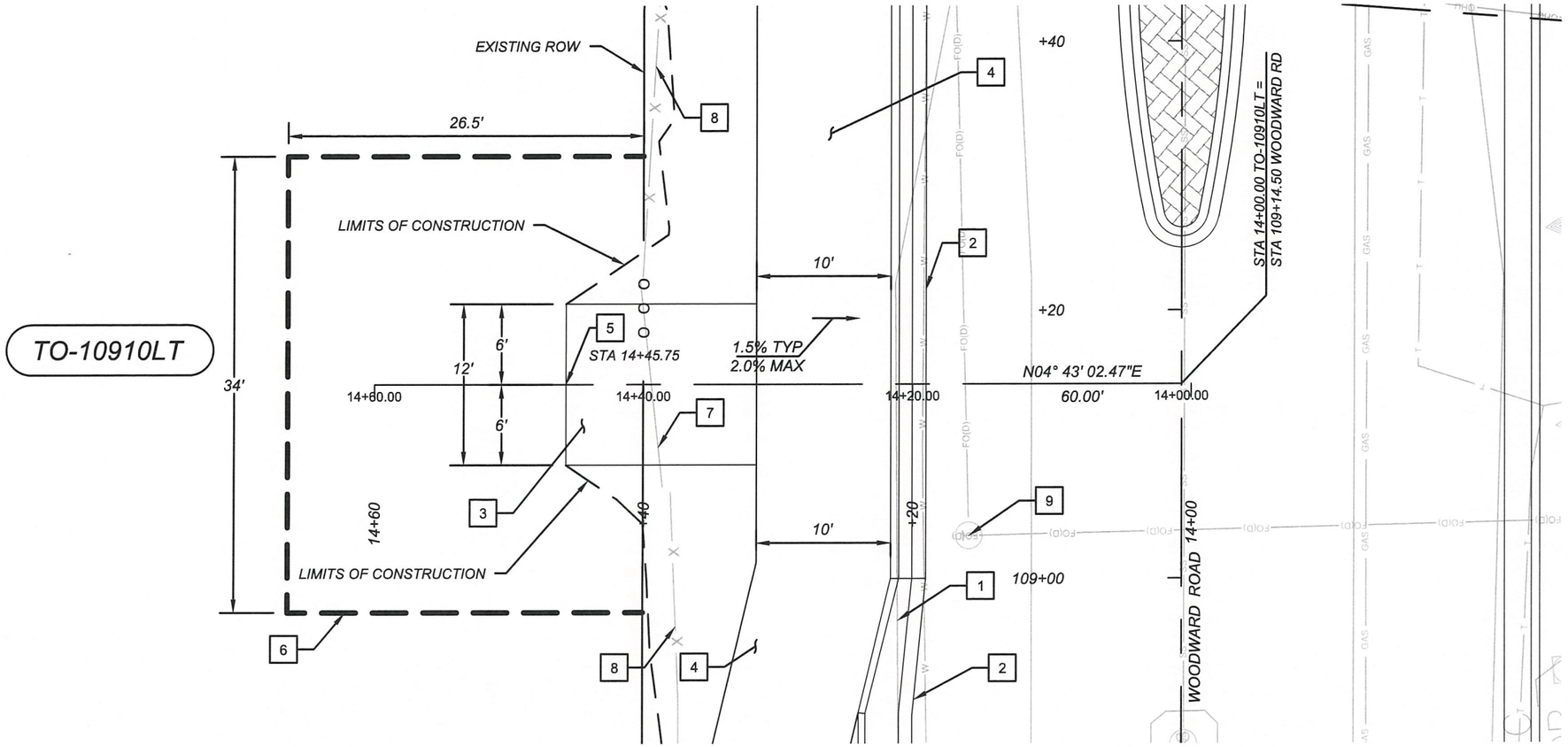
BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

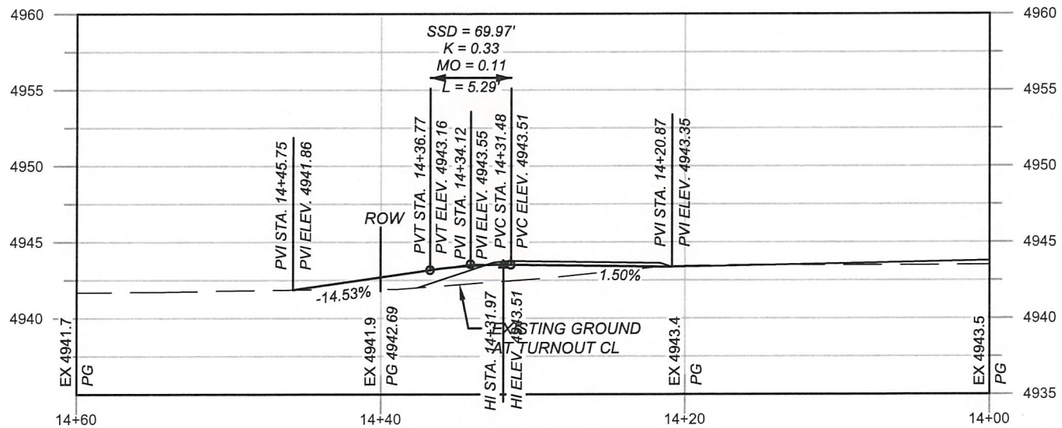
SHEET 4-4 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

60572657 C:\pwworking\aecom_de18_nt\chrisrosol@aecom.com\d0118031\A300161_4-04.dwg PLOTTED: 7/13/20 - 12:52pm chrisrosol





TO-10910LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD MOUNTABLE CURB ROLL TYPE PER COA 2415A
3	BUILD DRIVEPAD, 6". SEE 2-SERIES FOR INFORMATION.
4	10' PCC SHARED USE PATH
5	END TURNOUT, MATCH EXISTING
6	TEMPORARY CONSTRUCTION PERMIT (TCP) LIMITS
7	ADJUST EXISTING CHAIN LINK FENCE GATE
8	EXISTING FENCE TO REMAIN
9	EXISTING FIBER OPTIC MANHOLE, ADJUST TO GRADE

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-10910LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-5 OF

DESIGNED BY:

DRAWING SCALE:

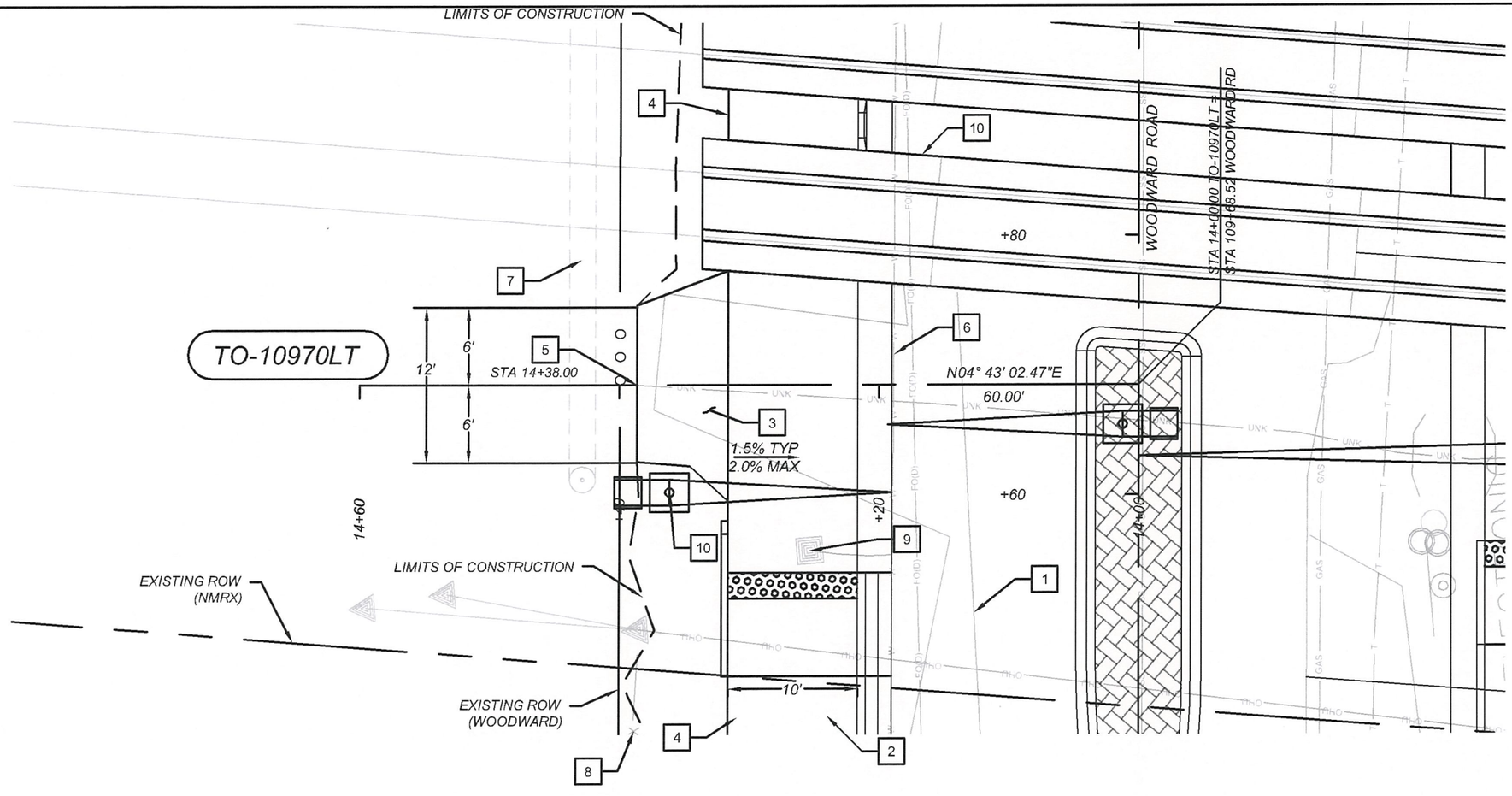
NMDOT CN: A300161

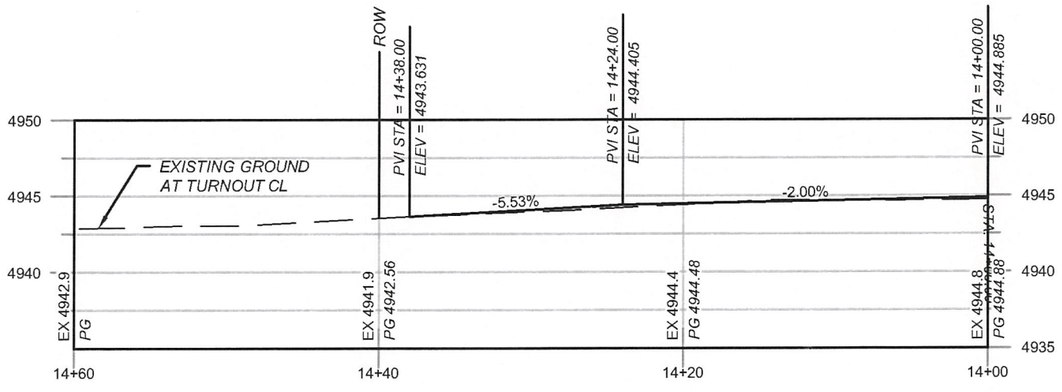
CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and the Albuquerque City Engr. on Sept. 24, 2020.

24 Sept 2019

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson39@aecom.com\d0118031\A300161_4-05.dwg PLOTTED: 7/24/19 - 11:20am Jordan.Thompson11





TO-10970LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD MOUNTABLE CURB ROLL TYPE PER COA 2415A
3	BUILD ASPHALT TURNOUT
4	10' PCC SHARED USE PATH
5	END TURNOUT, MATCH EXISTING
6	BUILD ESTATE CURB PER COA 2415A
7	EXISTING CULVERT PIPE TO REMAIN - PROTECT IN PLACE DURING CONSTRUCTION
8	EXISTING FENCE TO REMAIN
9	EXISTING WATER VALVE, ADJUST TO GRADE
10	SEE 16-SERIES FOR RAILROAD INFORMATION

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-10970LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-5B OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

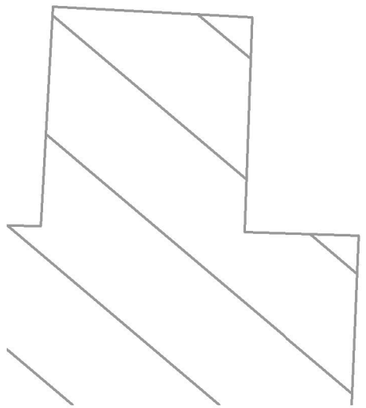
CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

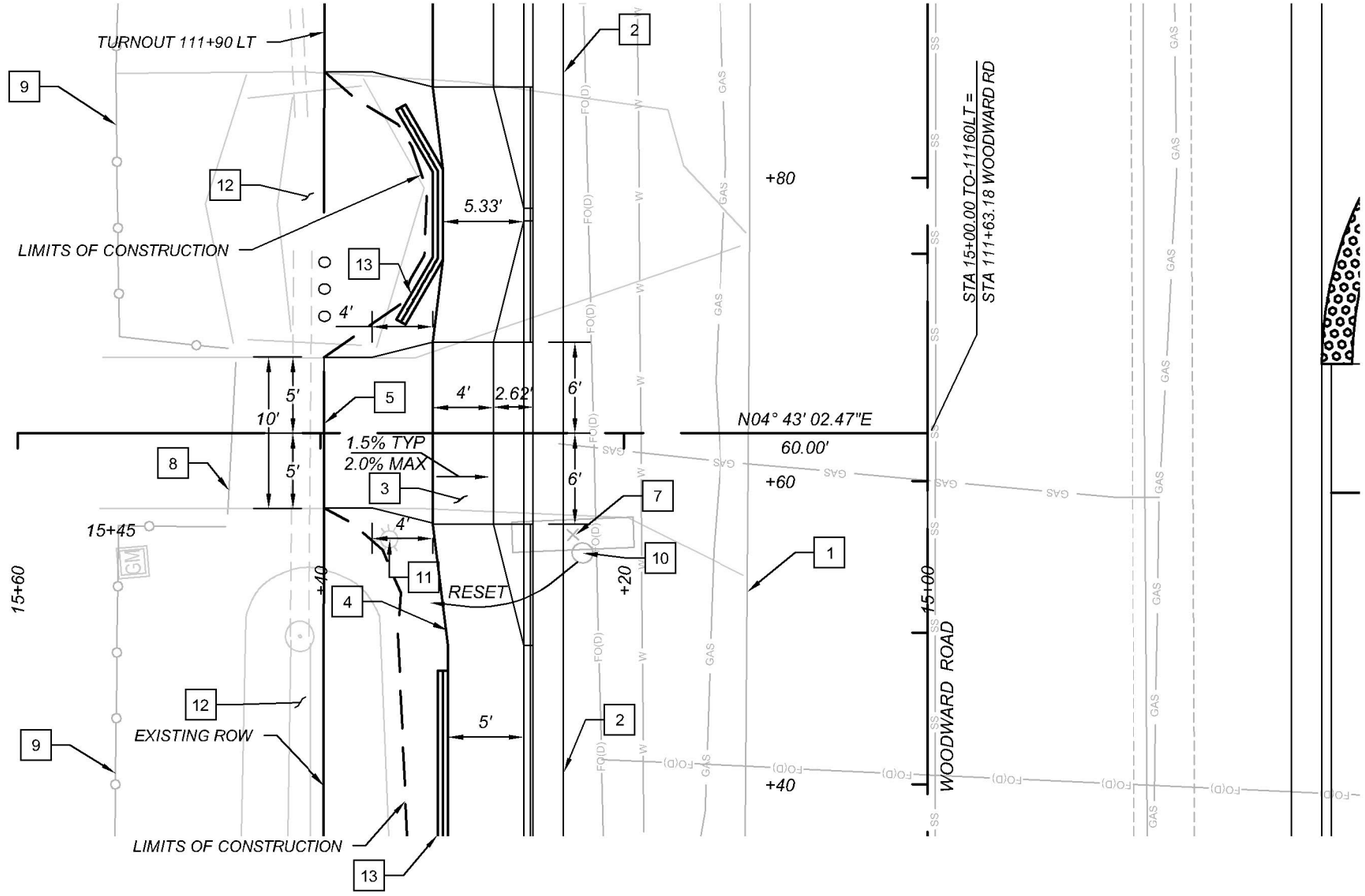
Plans approved by Development Review Committee and Albuquerque City Engineer for Public Improvements

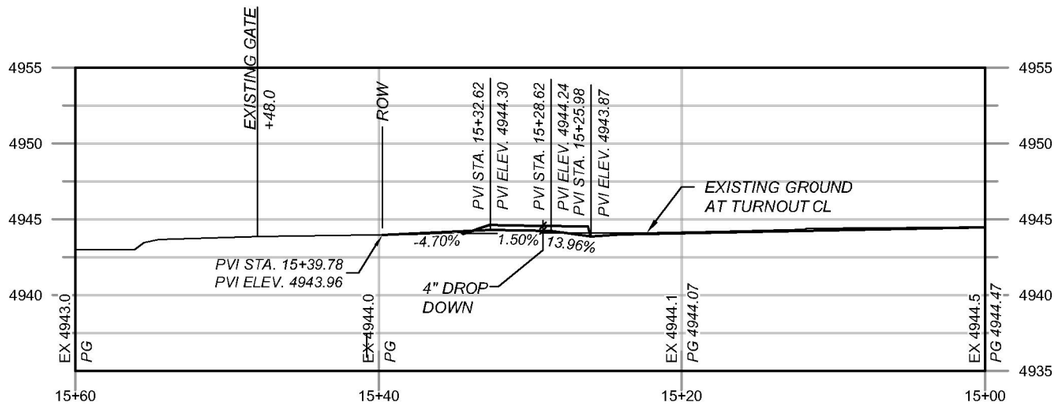
24 Jul 2019

60572657.C:\prowork\g\aecom...de18...ma\jordon.thompson3@aecom.com\d0180311\A300161_4-05b.dwg PLOTTED: 7/24/19 - 12:25pm Jordon.Thompson11

TO-11160LT







TO-11160LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6". SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	RELOCATE EXISTING MAILBOX AND POST TO BEHIND SIDEWALK PER NMDOT STD DWG 667-01-1/2 AND -2/2
8	EXISTING GATE -TO REMAIN
9	EXISTING FENCE TO REMAIN
10	REMOVE AND DISPOSE OF EXISTING POLE
11	EXISTING YARD LIGHT ON POLE TO REMAIN
12	EXISTING IRRIGATION DITCH - PROTECT DURING CONSTRUCTION.
13	BUILD PEDESTRIAN/BICYCLE RAIL. SEE 2-SERIES AND 5-SERIES FOR INFORMATION

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
7/14/2020

Plans appr
Committ
Engi

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11160LT

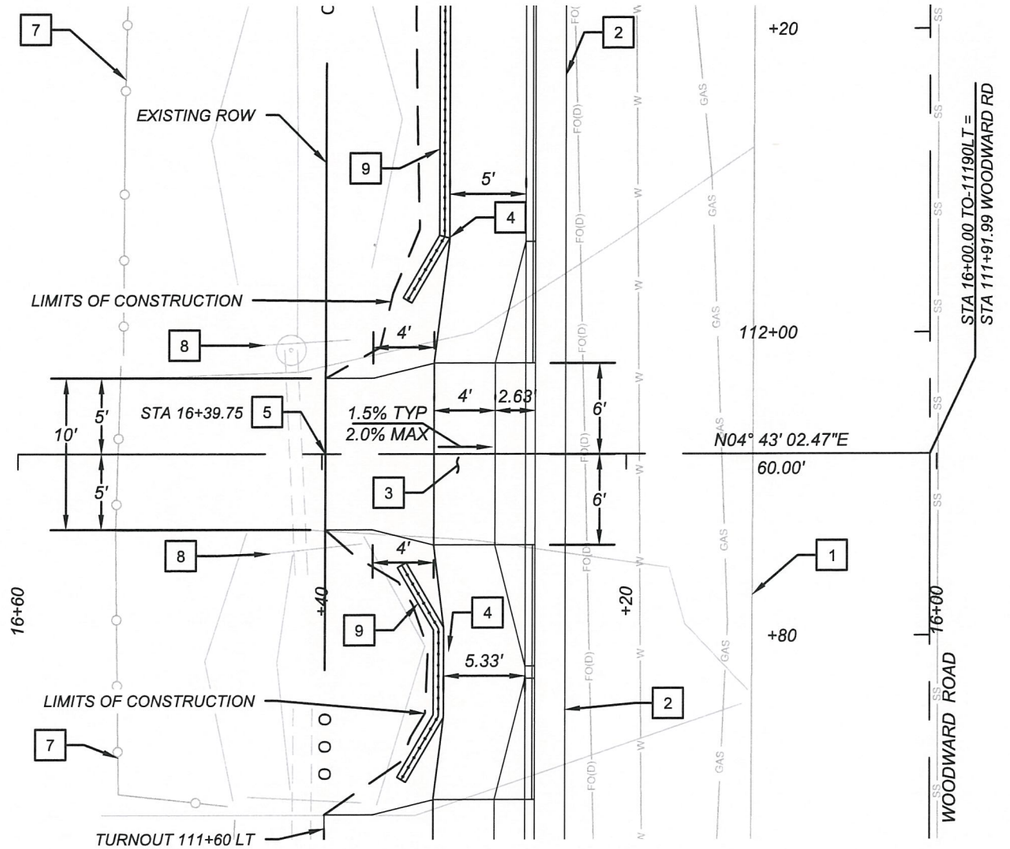
BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

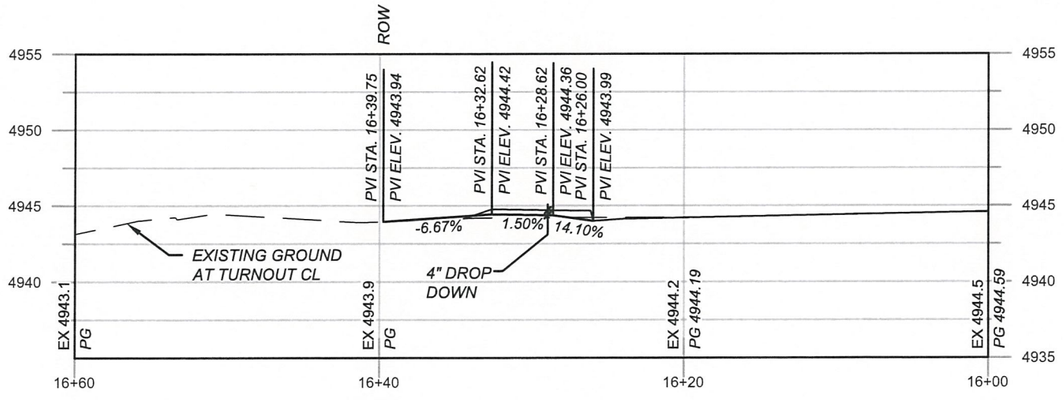
SHEET 4-6 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657, C:\prerelog\aecom_de16_m\chris.rosol@aecom.com\d0118031\A300161_4-06.dwg PLOTTED: 7/13/20 - 4:15pm chris.rosol

TO-11190LT





TO-11190LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6" TYPE 2C PER NMDOT 608-009-9. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING FENCE TO REMAIN
8	EXISTING TIMBER RETAINING WALL AND CMP TO REMAIN.
9	BUILD PEDESTRIAN/BICYCLE RAIL. SEE 2-SERIES AND 5-SERIES FOR INFORMATION

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11190LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-7 OF

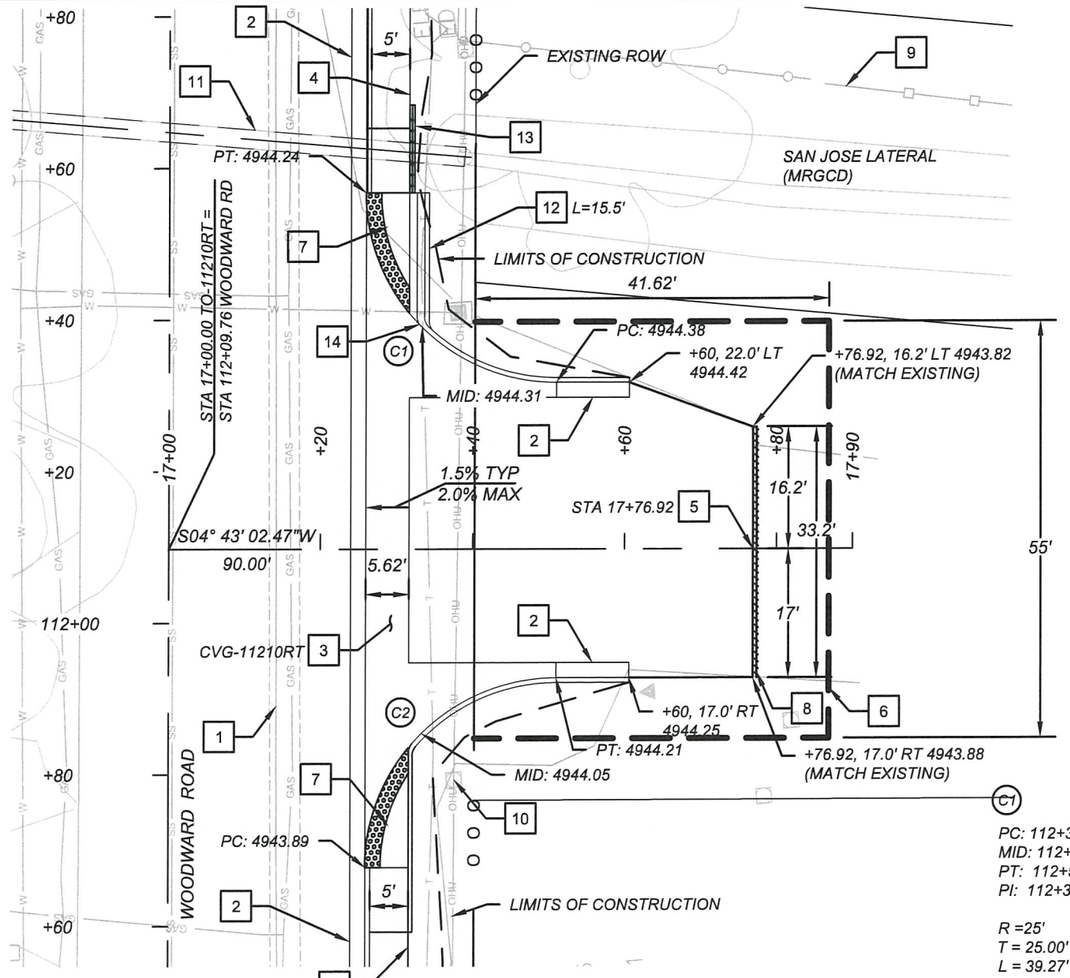
DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

Plans approved by Design Review Committee for Administrative Engineer

24 Jul 2019

60572657 C:\pwworking\aecom_ds16_ne\jordan.thompson3@aecom.com\d0118031\A300161_4-07.dwg PLOTTED: 7/24/19 - 11:21 am Jordan.Thompson11



C1

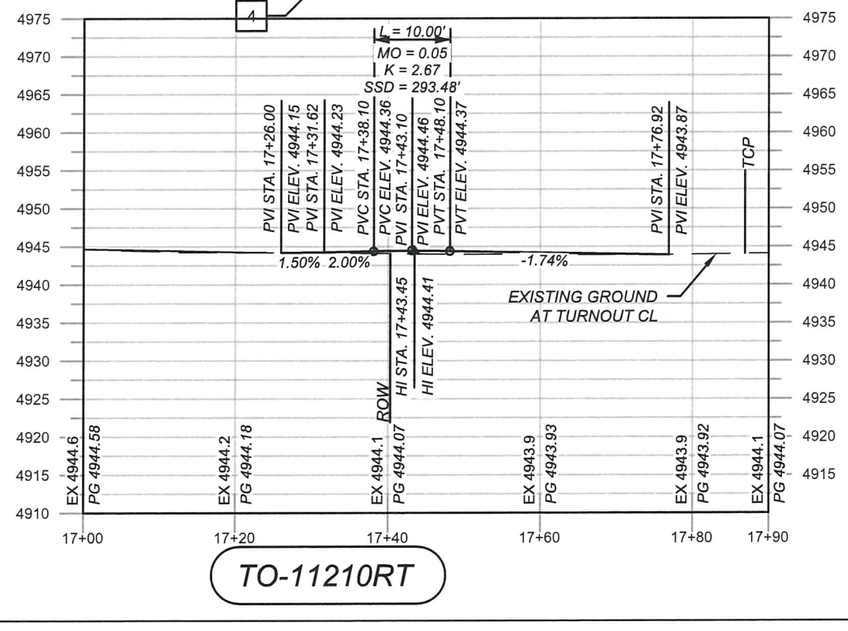
PC: 112+31.76, 51.00' RT
MID: 112+39.08, 33.32' RT
PT: 112+56.76, 26.00' RT
PI: 112+31.76, 26.00' RT

R =25'
T = 25.00'
L = 39.27'
Δ = 90° 00' 00"

C2

PC: 111+67.76, 26.00' RT
MID: 111+85.43, 33.32' RT
PT: 111+92.76, 51.00' RT
PI: 111+92.76, 26.00' RT

R =25'
T = 25.00'
L = 39.27'
Δ = 90° 00' 00"



TO-11210RT

TO-11210RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	CONCRETE VALLEY GUTTER. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	TEMPORARY CONSTRUCTION PERMIT (TCP) LIMITS
7	DETECTABLE WARNING SURFACE
8	SAWCUT - LIMITS OF PAVEMENT REMOVED
9	EXISTING FENCE TO REMAIN
10	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION
11	BUILD RCP PIPE- SEE 5-SERIES FOR INFORMATION
12	BUILD MOUNTABLE CURB AND GUTTER AT BACK OF SIDEWALK PER COA 2415A
13	BUILD PEDESTRIAN/ BICYCLE RAIL. SEE 5-SERIES FOR INFORMATION
14	TRANSITION FROM CONCRETE VALLEY GUTTER TO MOUNTABLE CURB AND GUTTER

N

0 20 40 FEET

SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=20'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
NO	DATE	DESCRIPTION	

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER

Plans Approved by Development Review
Committee of the City of Albuquerque
Engineer [illegible] 2019

24 Jul 2019

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11210RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

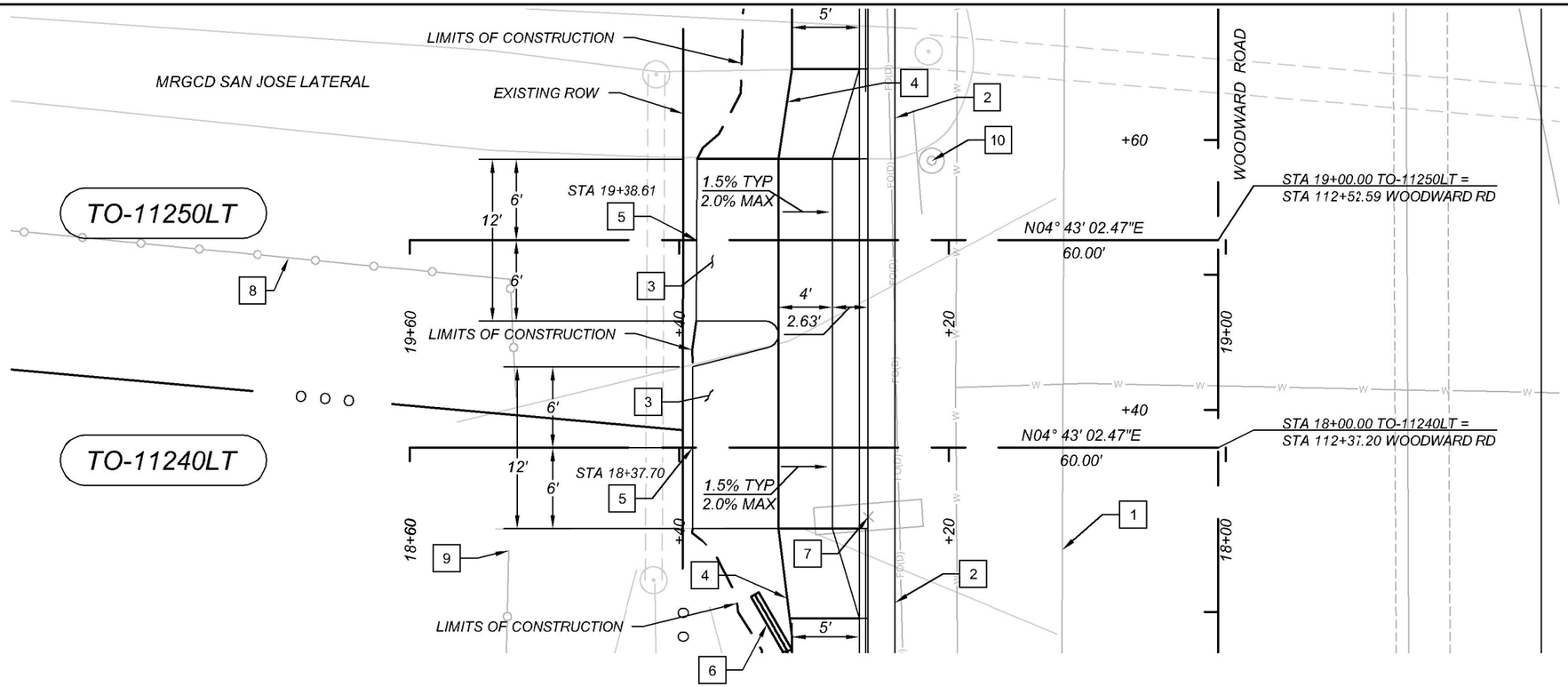
SHEET 4-8 OF

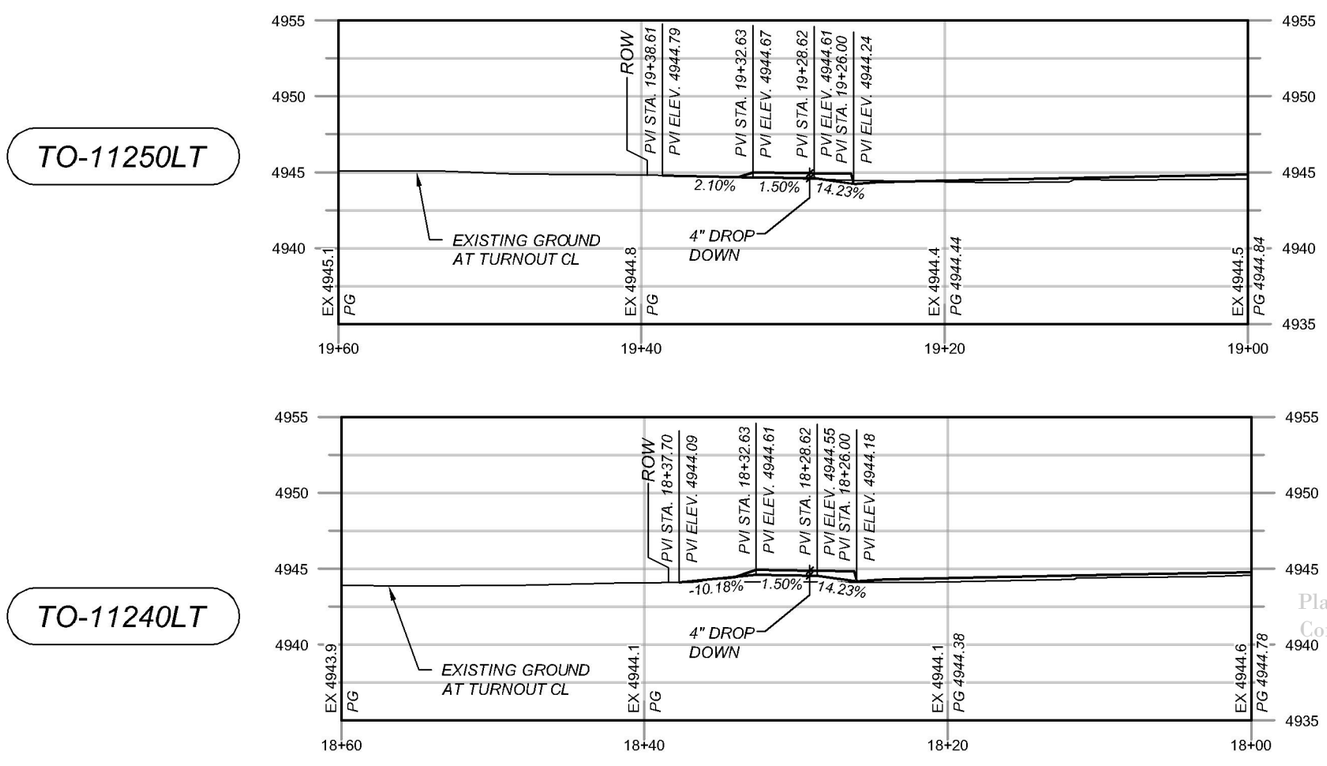
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nn\jordan.thompson3@aecom.com\d0118031\A300161_4-08.dwg PLOTTED: 7/24/19 - 11:22am Jordan.Thompson11





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6". TYPE 2C PER NMDOT 608-001-09. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	PEDESTRIAN HANDRAIL ON CUTOFF WALL, SEE 3-SERIES FOR INFORMATION.
7	RELOCATE EXISTING MAILBOX AND POST TO BACK OF SIDEWALK PER NMDOT STD DWG 667-01-1/2 AND -2/2
8	EXISTING FENCE TO REMAIN
9	EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
10	REMOVE AND SALVAGE EXISTING SIGN

N

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
7/14/2020

Plans appr
Committe
Engi

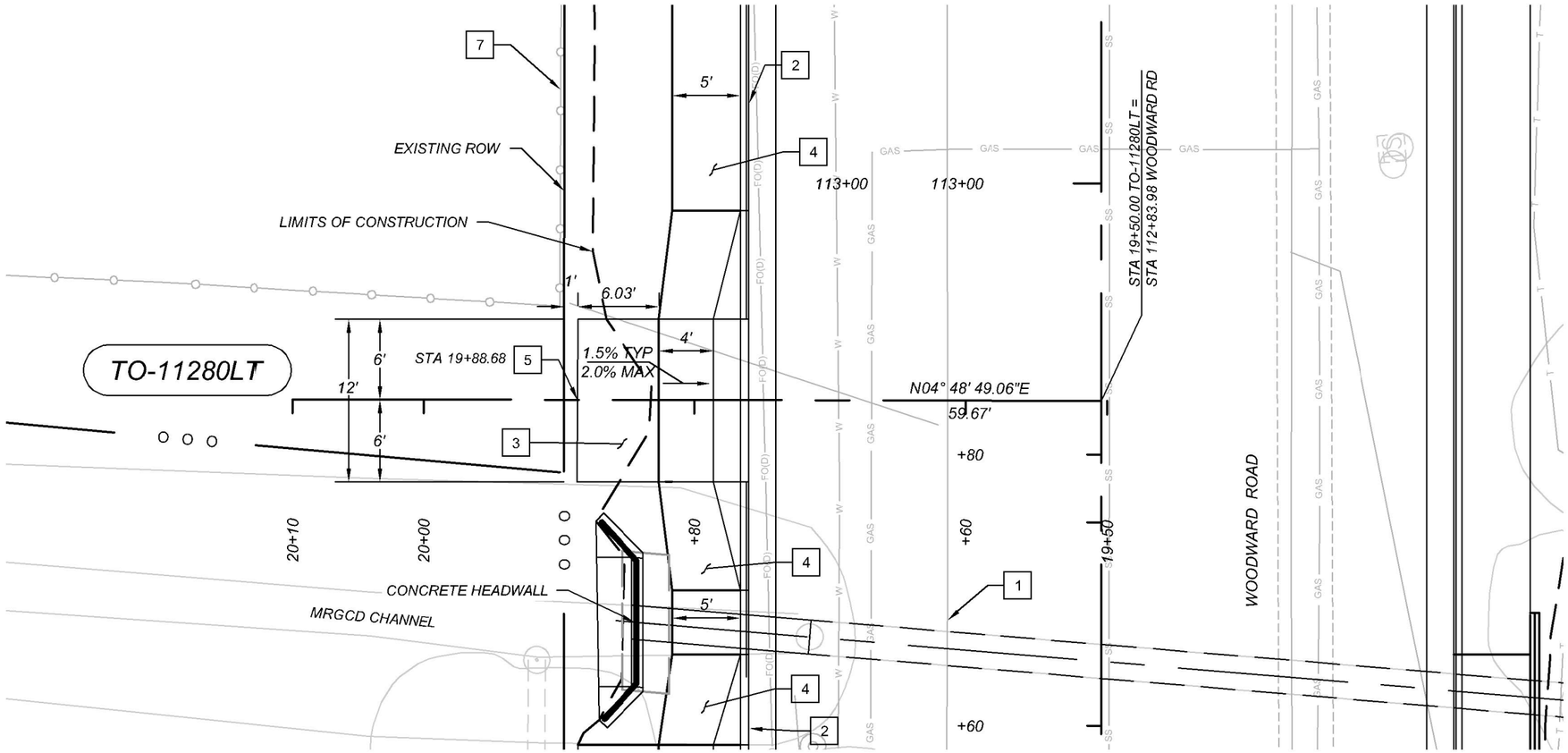
WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11240LT
TO-11250LT

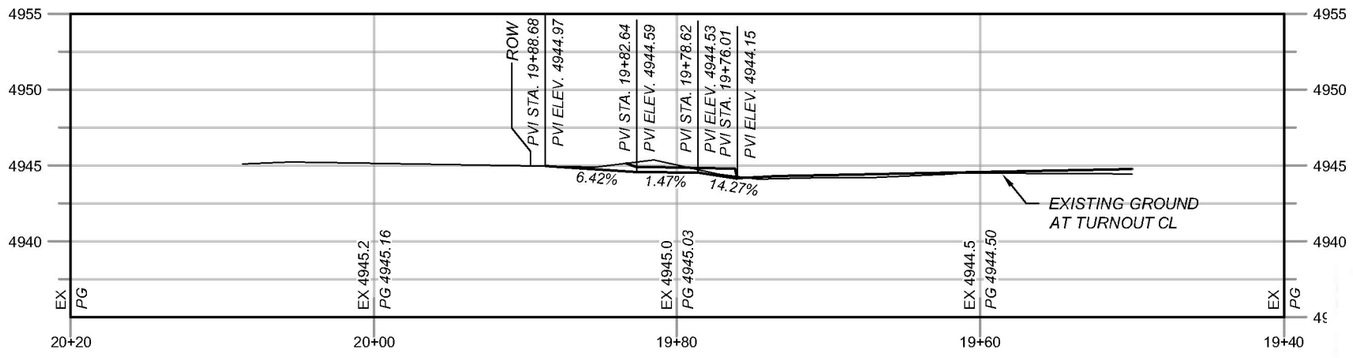
BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-9 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\prnwriting\aecom_de16_m1\chris.rosol@aecom.com\d5118831\A300161_4-09.dwg PLOTTED: 7/14/20 - 11:00am chris.rosol





TO-11280LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6". SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
7	EXISTING FENCE TO REMAIN

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11280LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

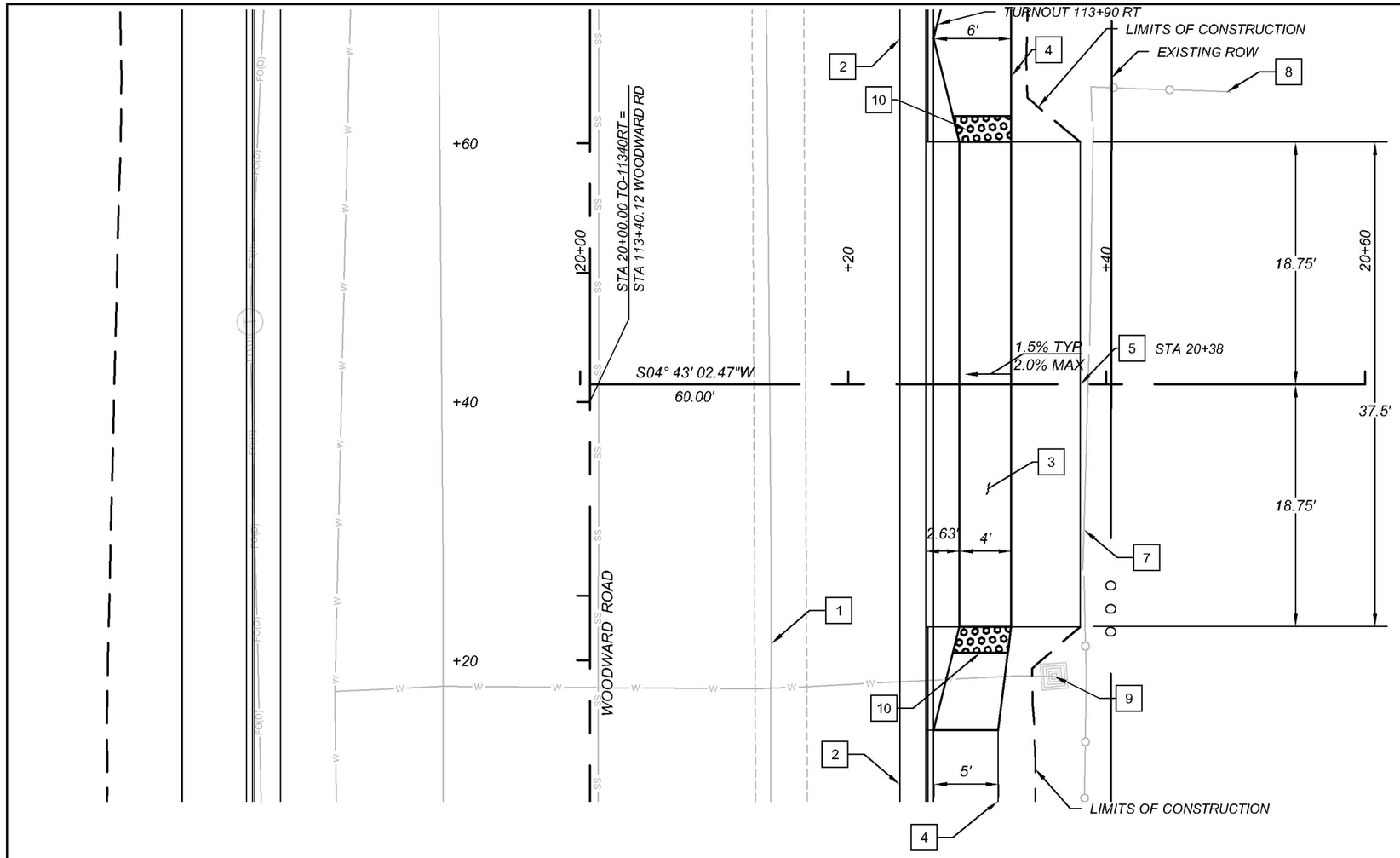
SHEET 4-9a OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
7/14/2020

Plans approv
Committee a
Engineer

60572657; C:\prerelog\aecom_de16_nt\chris.rosol@aecom.com\d0118031\A300161_4-09a.dwg PLOTTED: 7/14/20 - 11:02am chris.rosol



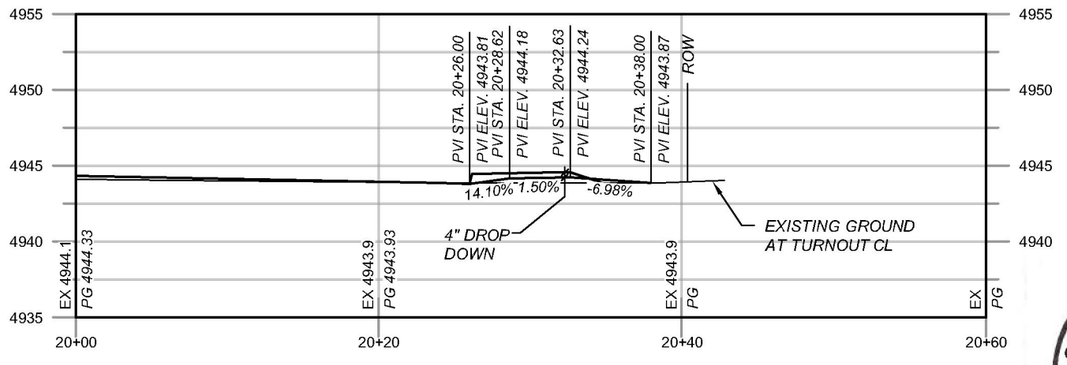
TO-11340RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6". TYPE 2C PER NMDOT 608-001-9. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
8	EXISTING FENCE TO REMAIN
9	EXISTING WATER METER - PROTECT IN PLACE DURING CONSTRUCTION
10	BUILD DETECTABLE WARNING SURFACE PER NMDOT 608-00-8



TO-11340RT

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11340RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-10 OF

DESIGNED BY:

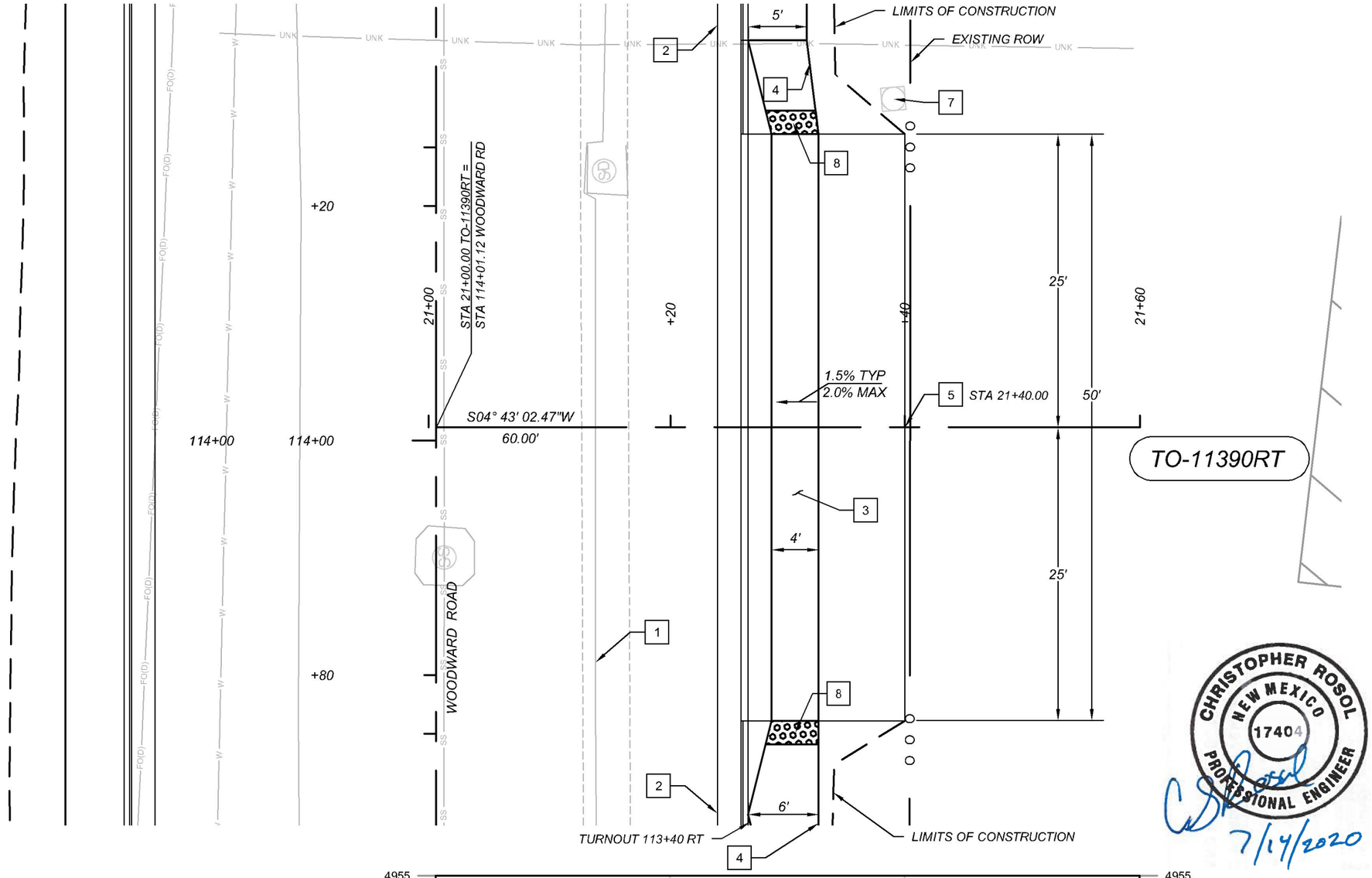
DRAWING SCALE:

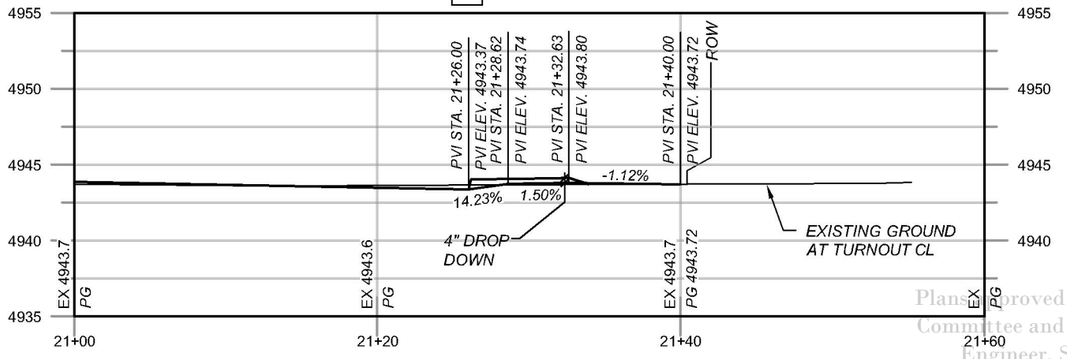
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
7/14/2020

Plans appr
Committe
Engi

60572657.C:\prevwriting\aecom_de18_mr\chris.rosol@aecom.com\d0118031\V300181_4-10.dwg PLOTTED: 7/14/20 - 11:05am chris.rosol





TO-11390RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6". TYPE 2C PER NMDOT 608-001-9. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION
8	BUILD DETECTABLE WARNING SURFACE PER NMDOT 608-001-8

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
7/14/2020

0 10 20 FEET
SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

Plans Approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

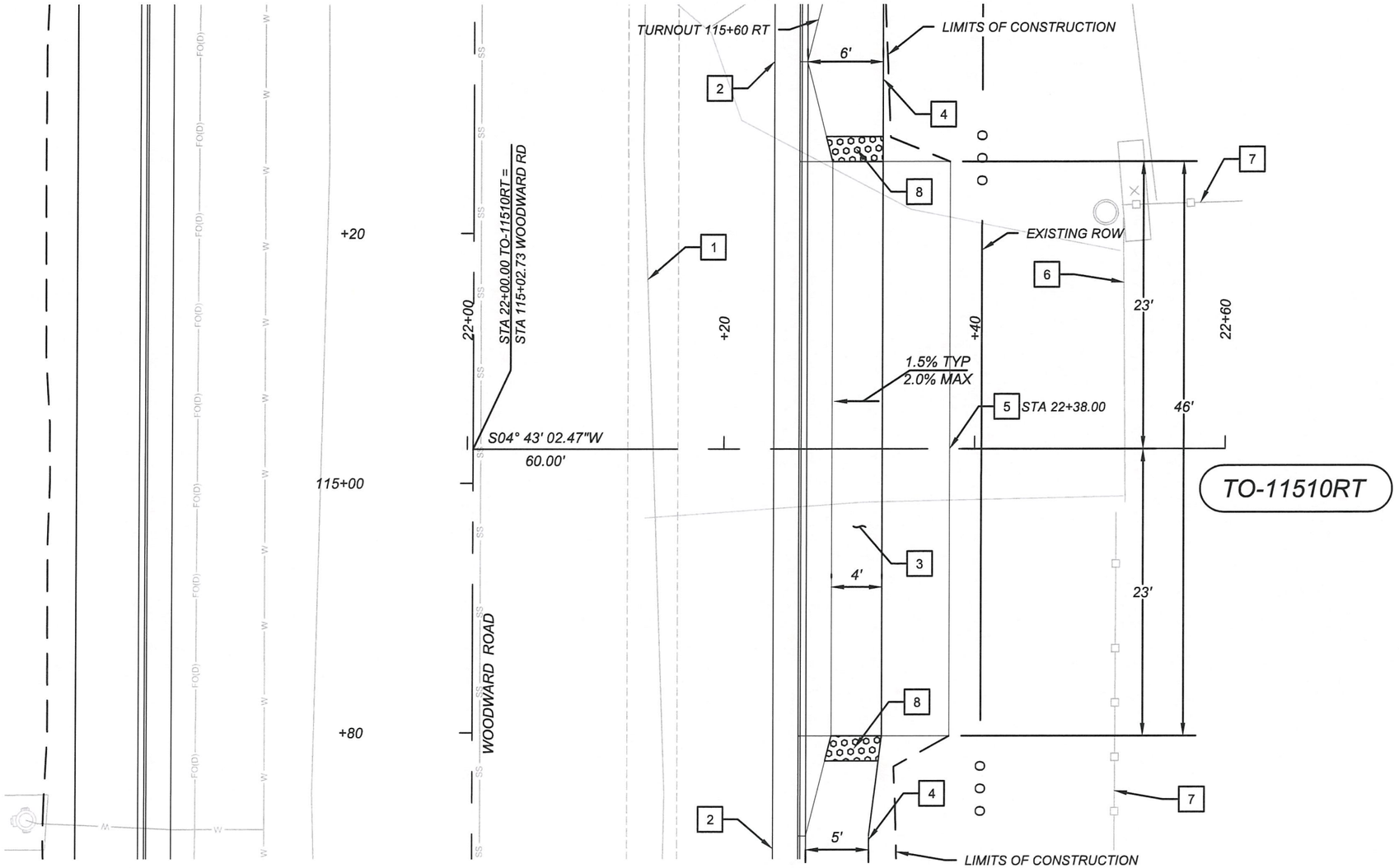
WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11390RT

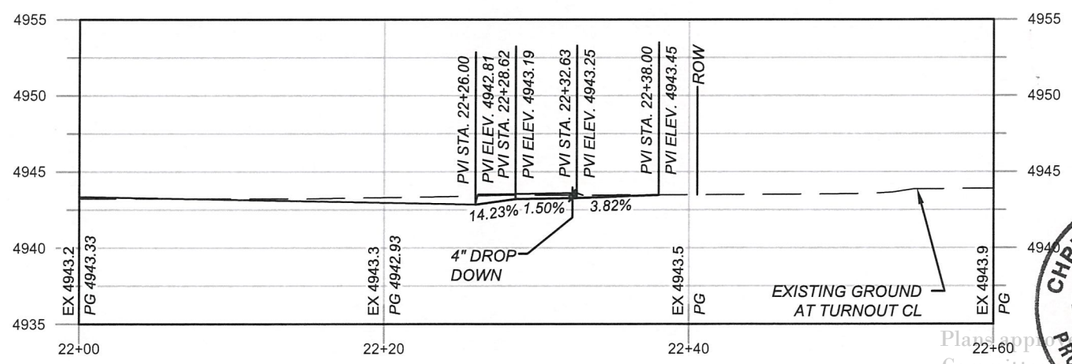
BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-11 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

605726857 C:\pwrevit\tmp\acom_da18_rvt\chris.rosol@aecom.com\d0118031\A300161_4-11.dwg PLOTTED: 7/14/20 - 2:26pm chris.rosol





TO-11510RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9. SEE 2-SERIES FOR INFORMATION
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
7	EXISTING FENCE TO REMAIN
8	BUILD DETECTABLE WARNING SURFACE PER NMDOT 608-001-8

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS		
6		
5		
4		
3		
2		
1		
NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11510RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-12 OF

DESIGNED BY:

DRAWING SCALE:

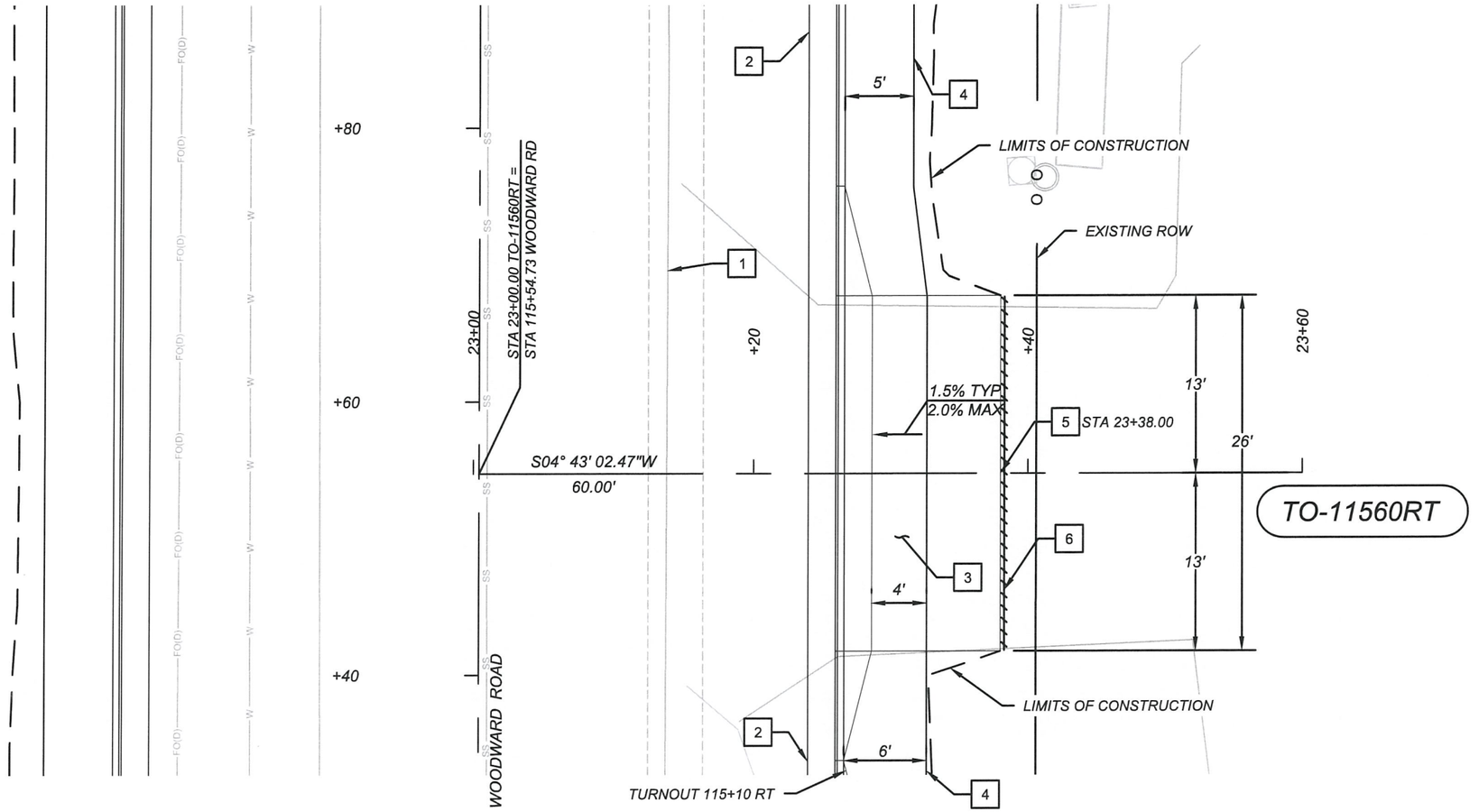
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

24 Jul 2019

Plans approved by Design Review Committee of the Albuquerque/Bernalillo County Engineer's Office

60572657 C:\pwworking\aecom_ds16_nt\jordan.thompson30@aecom.com\d0118031\A300161_4-12.dwg PLOTTED: 7/24/19 - 11:23am Jordan.Thompson11

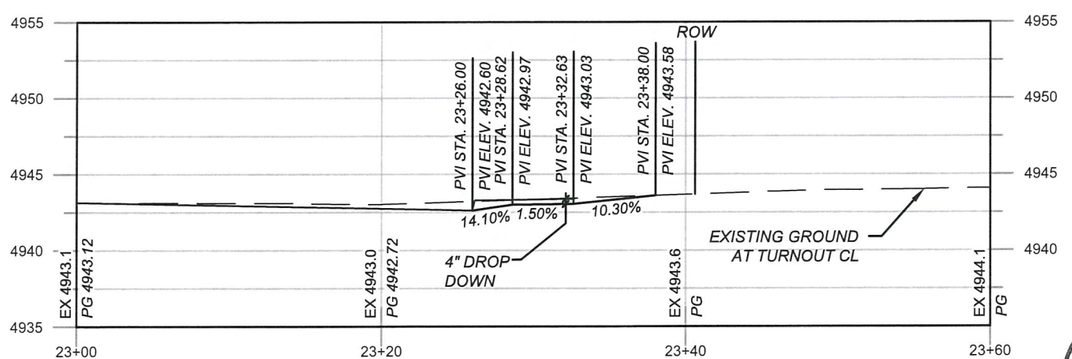


CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9. SEE 2-SERIES FOR INFORMATION
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	SAWCUT, REMOVE & DISPOSE OF EXISTING PAVEMENT. LIMITS OF PAVEMENT REMOVAL.
7	EXISTING FENCE TO REMAIN



TO-11560RT

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11560RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-13 OF

DESIGNED BY:

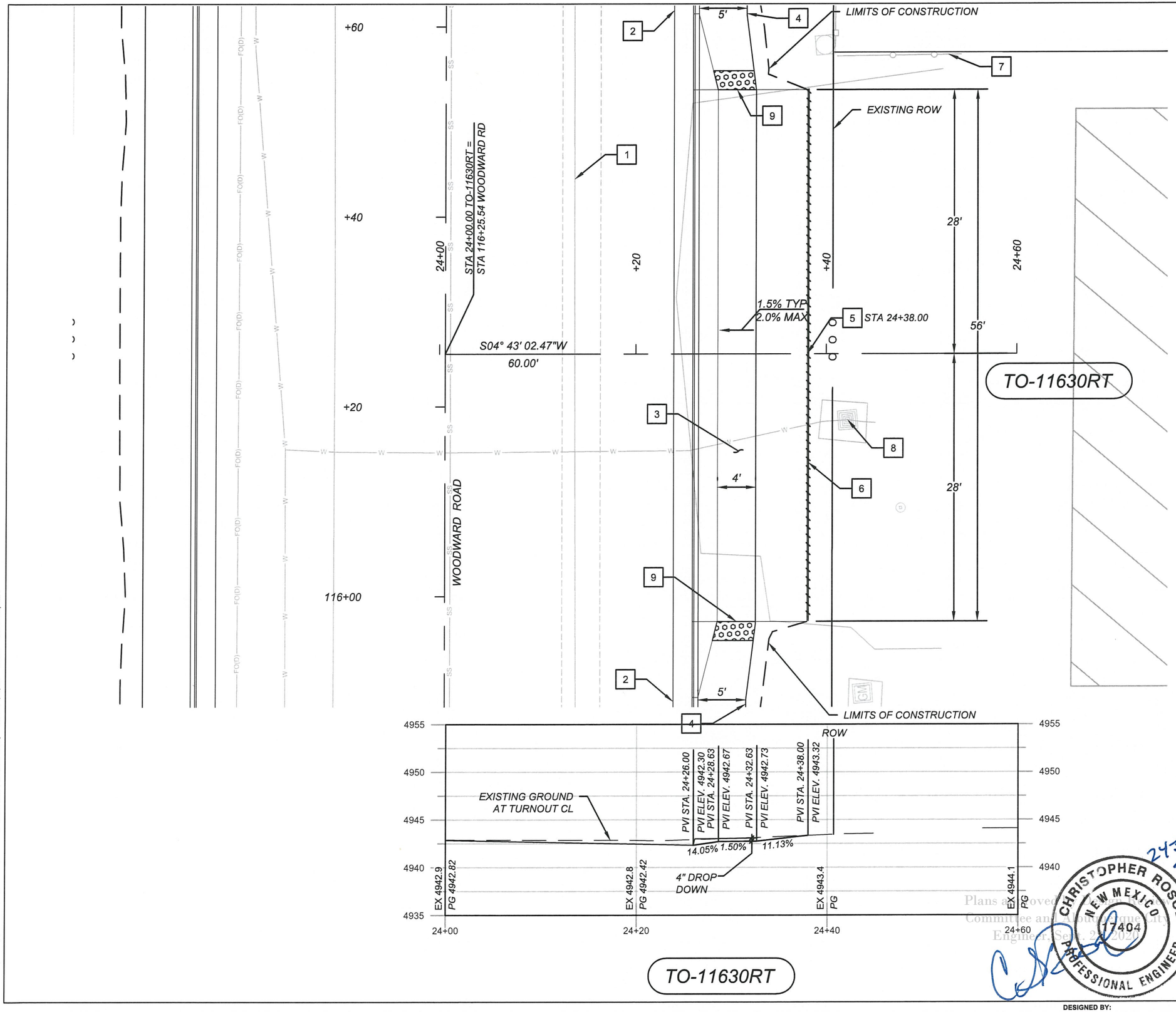
DRAWING SCALE:

NMDOT CN: A300161

Plans approved by Design Review Committee and the Albuquerque Development Engineer

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

60572657 C:\pw\working\aecom_ds16_na\jordan.thompson3@aecom.com\d0118031\A300161_4-13.dwg PLOTTED: 7/24/19 - 11:24am Jordan.Thompson11



CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9. SEE 2-SERIES FOR INFORMATION
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	SAWCUT, REMOVE & DISPOSE OF EXISTING PAVEMENT. LIMITS OF PAVEMENT REMOVAL.
7	EXISTING FENCE TO REMAIN
8	EXISTING WATER METER - PROTECT IN PLACE DURING CONSTRUCTION
9	BUILD DETECTABLE WARNING SURFACE PER NMDOT 608-001-08. INCIDENTAL TO ITEM 608004, CONCRETE SIDEWALK, 4".

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11630RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET OF
4-14

NMDOT CN: A300161

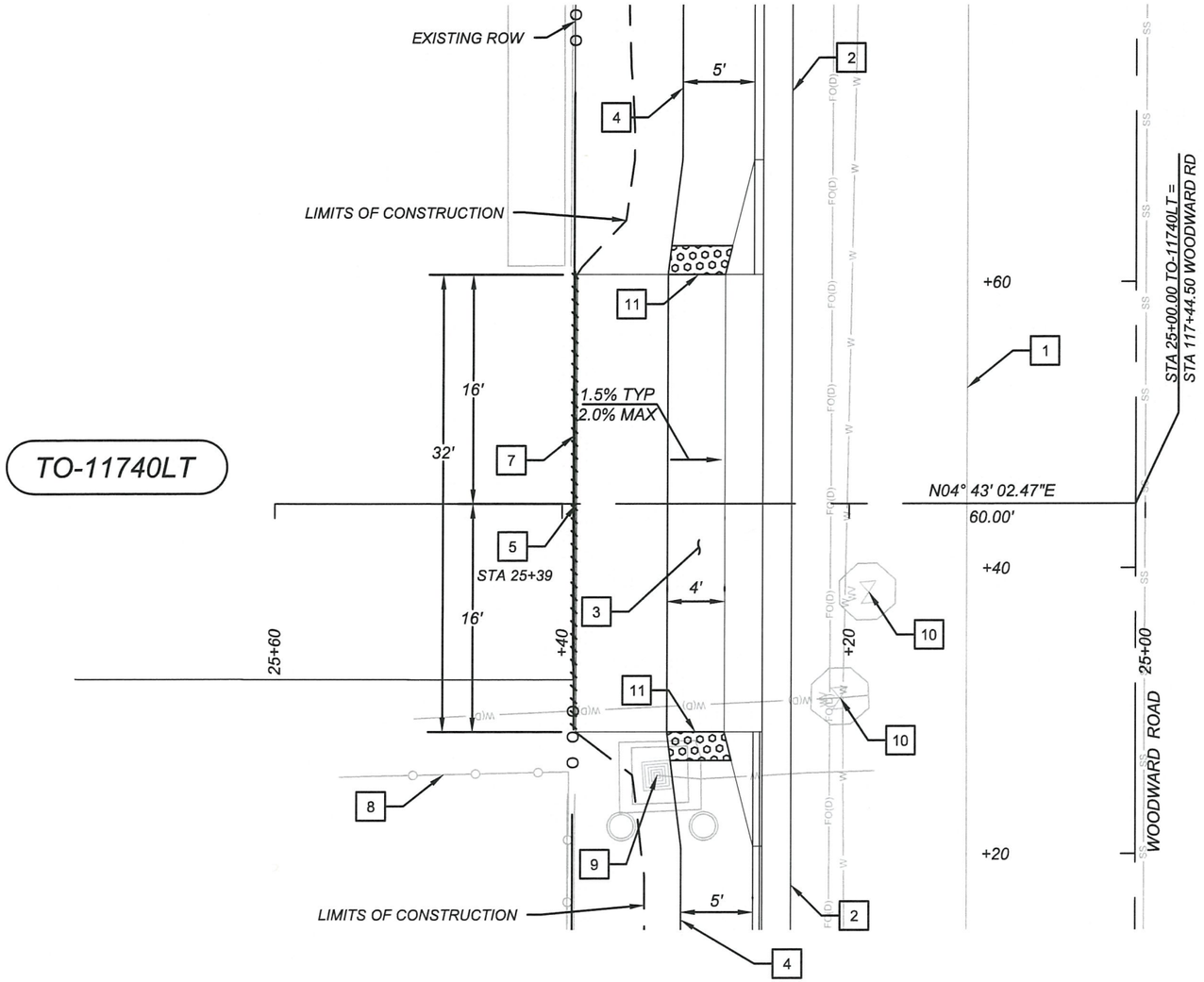
DESIGNED BY:

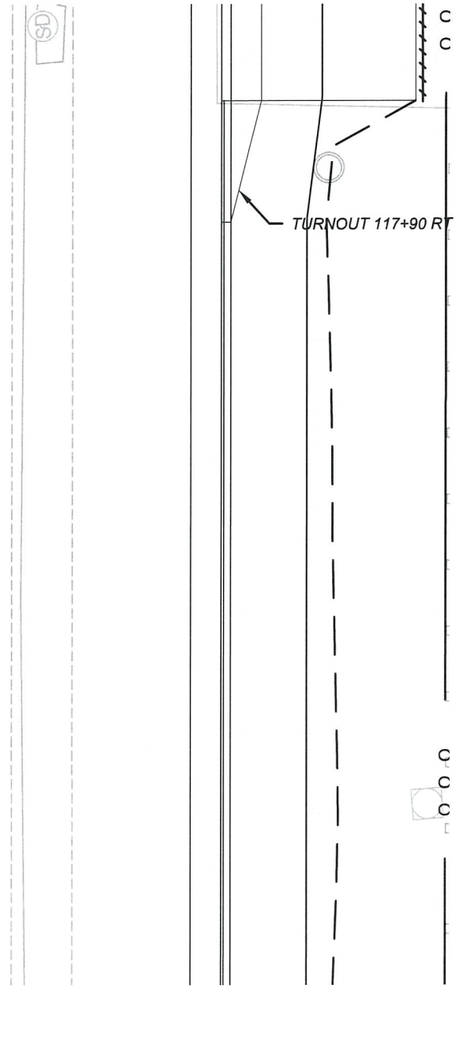
DRAWING SCALE:

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by the Committee and Board of Trustees City Engineer, Sept. 24, 2020

60572657: C:\pwworking\aecom_ds16_nm\jordan.thompson3@aecom.com\d0118031\v\A300161_4-14.dwg PLOTTED: 7/24/19 - 11:24am Jordan.Thompson11





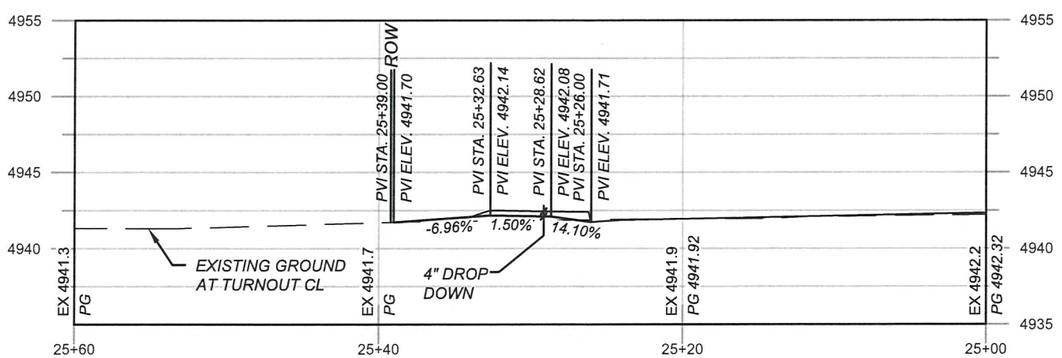
CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	SAWCUT - LIMITS OF PAVEMENT REMOVED
8	EXISTING FENCE TO REMAIN
9	EXISTING WATER METER - TO BE ADJUSTED TO GRADE
10	EXISTING WATER VALVE
11	BUILD DETECTABLE WARNING SURFACE PER NMDOT 608-001-8. INCIDENTAL TO ITEM 608004, CONCRETE SIDEWALK, 4"

TO-11740LT



TO-11740LT

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 34 2019

Plans approved by Design Review Committee and Albuquerque City Engineer [illegible] 2020.

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11740LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

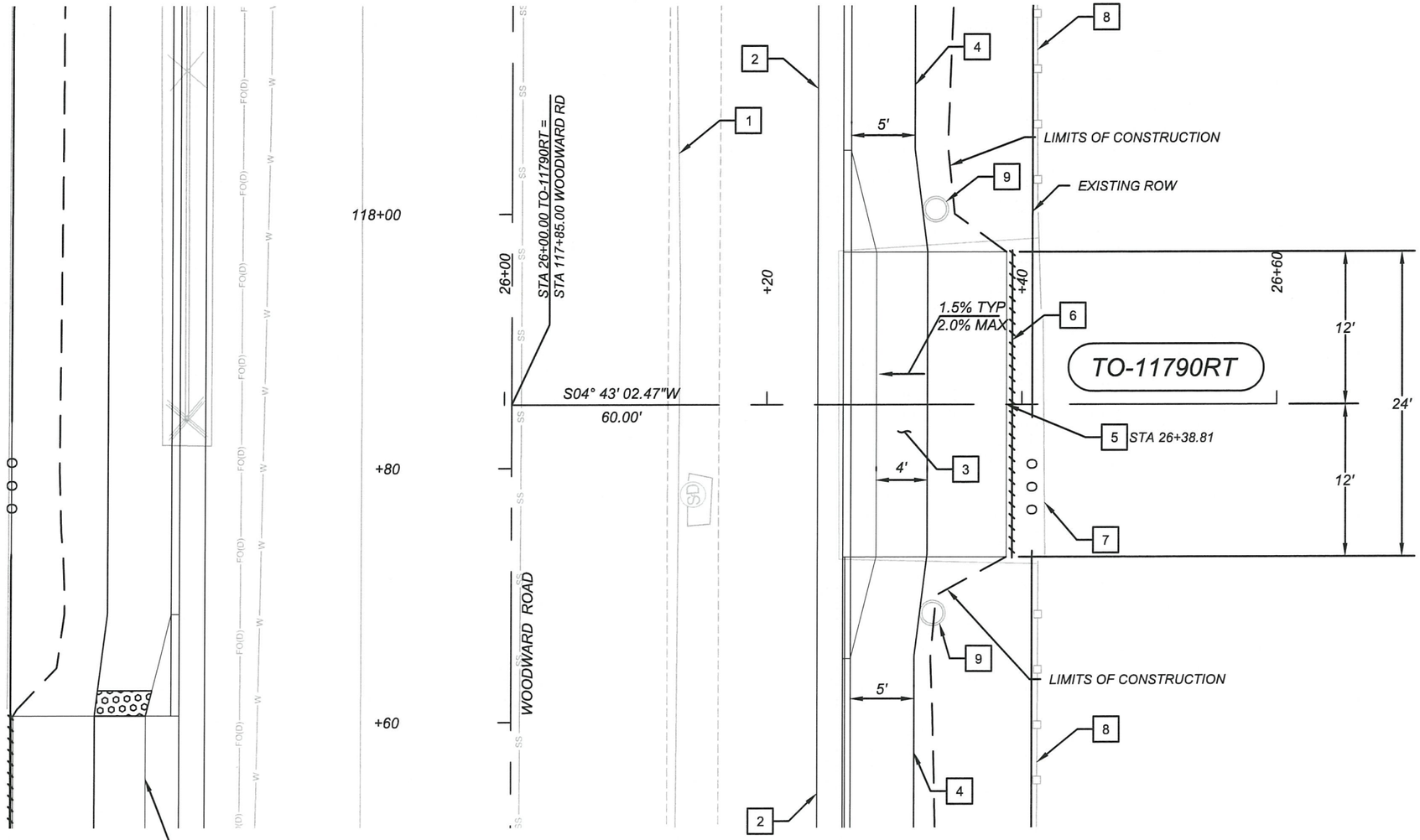
SHEET 4-15 OF

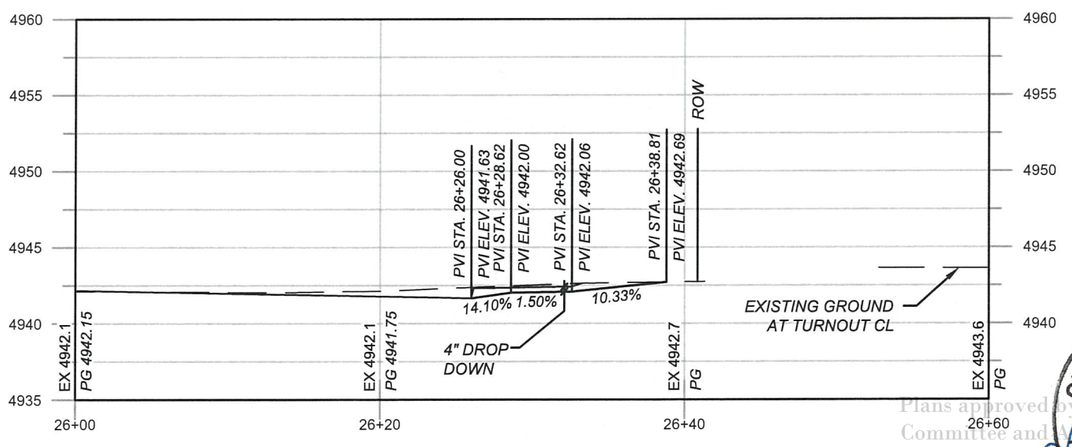
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson3@aecom.com\d0118031\A300161_4-15.dwg PLOTTED: 7/24/19 - 11:24am Jordan.Thompson11





TO-11790RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1. EDGE OF EXISTING PAVEMENT
2. BUILD STANDARD CURB & GUTTER PER COA 2415A
3. BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9.
4. BUILD CONCRETE SIDEWALK, 4"
5. END TURNOUT, MATCH EXISTING
6. SAWCUT, REMOVE & DISPOSE OF EXISTING PAVEMENT. LIMITS OF PAVEMENT REMOVAL.
7. EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
8. EXISTING FENCE TO REMAIN
9. EXISTING BOLLARD

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11790RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-16 OF

DESIGNED BY:

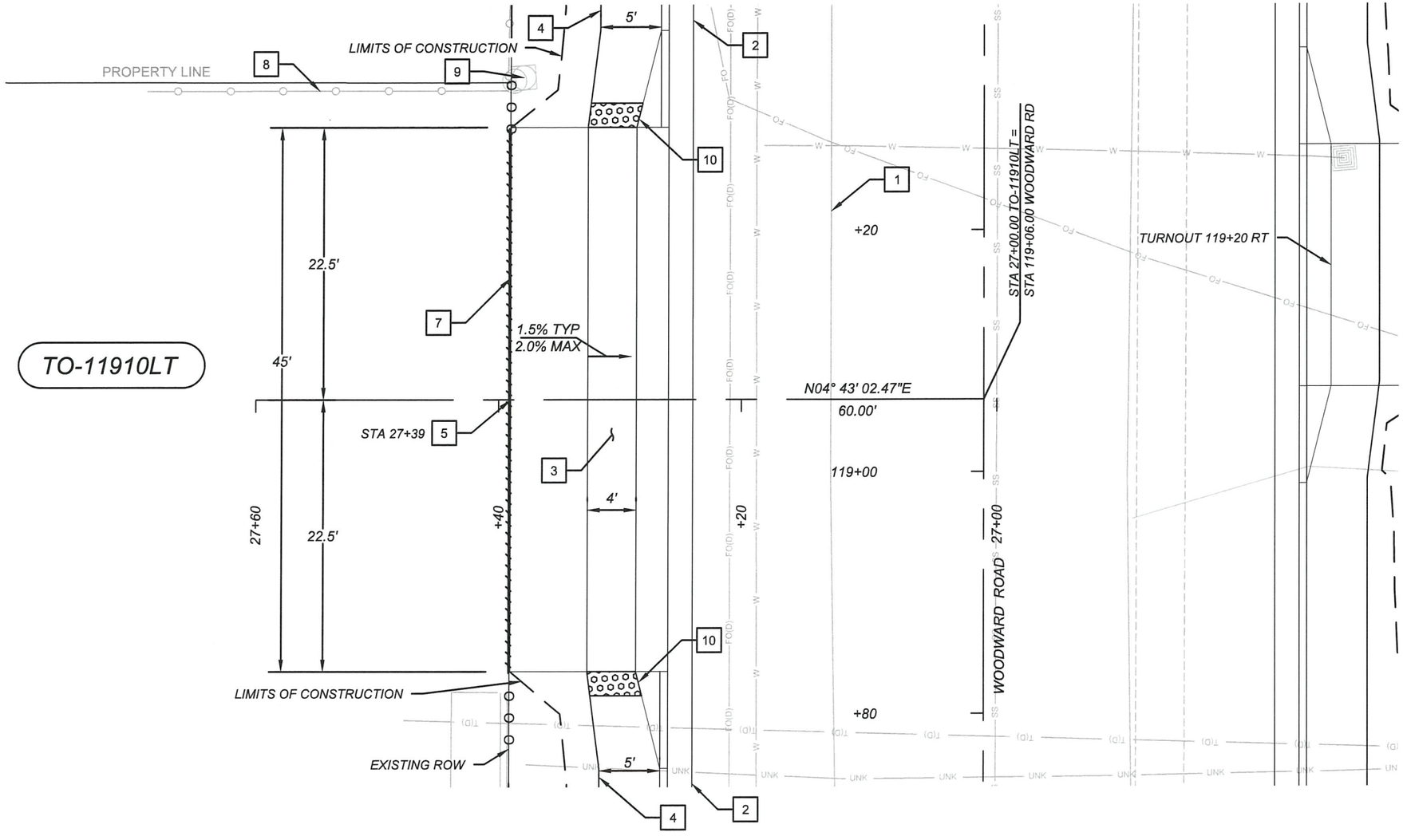
DRAWING SCALE:

NMDOT CN: A300161

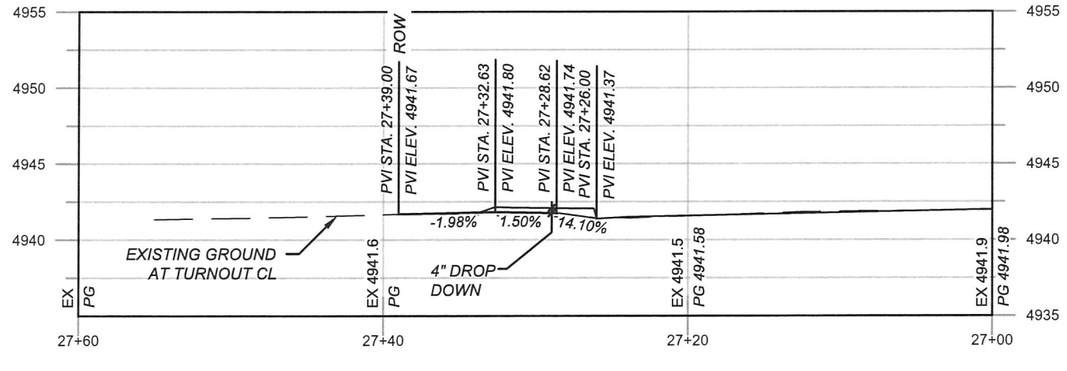
CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
2434 2019

Plans approved by Design Review Committee and Authorized City Engineer Signature

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson30@aecom.com\d0118031\A300161_4-16.dwg PLOTTED: 7/24/19 - 11:25am Jordan.Thompson11



TO-11910LT



TO-11910LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	SAWCUT - LIMITS OF PAVEMENT REMOVED
8	EXISTING FENCE TO REMAIN
9	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION
10	BUILD DETECTABLE WARNING SURFACE PER NMDOT 608-001-8. INCIDENTAL TO ITEM 608004, CONCRETE SIDEWALK, 4".

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11910LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

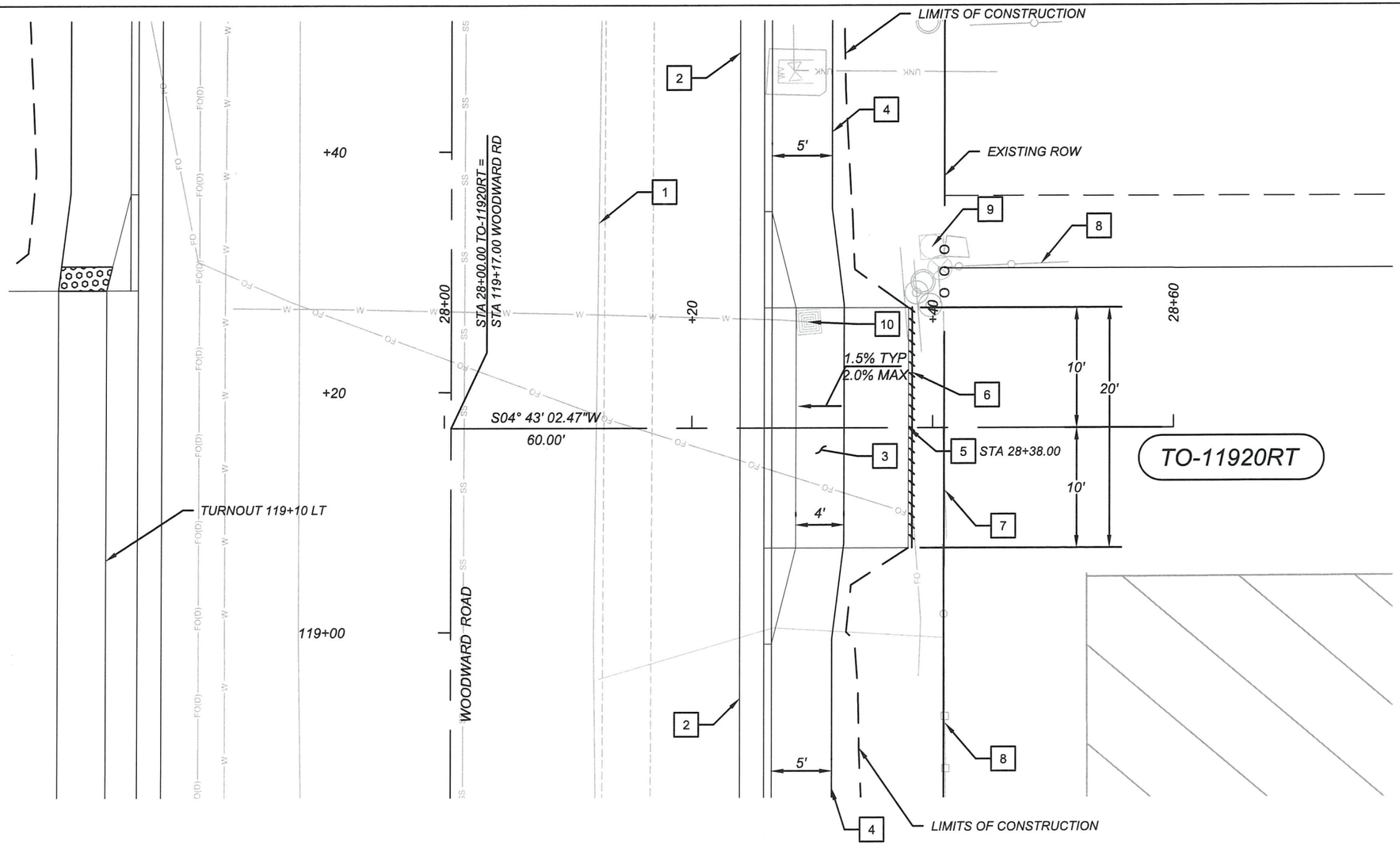
SHEET 4-17 OF

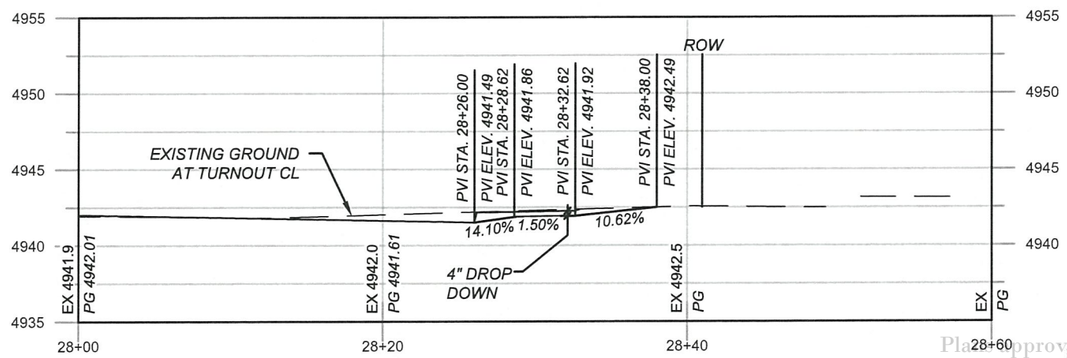
DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Development Review Committee and [illegible] Engineer, [illegible]

60572657 C:\pwworking\aecom_db16_no\jordan.thompson39@aecom.com\d0118031\A300161_4-17.dwg PLOTTED: 7/24/19 - 11:25am Jordan.Thompson11





TO-11920RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	SAWCUT, REMOVE & DISPOSE OF EXISTING PAVEMENT. LIMITS OF PAVEMENT REMOVAL.
7	EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
8	EXISTING FENCE TO REMAIN
9	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION
10	ADJUST TO FINISHED GRADE

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-11920RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

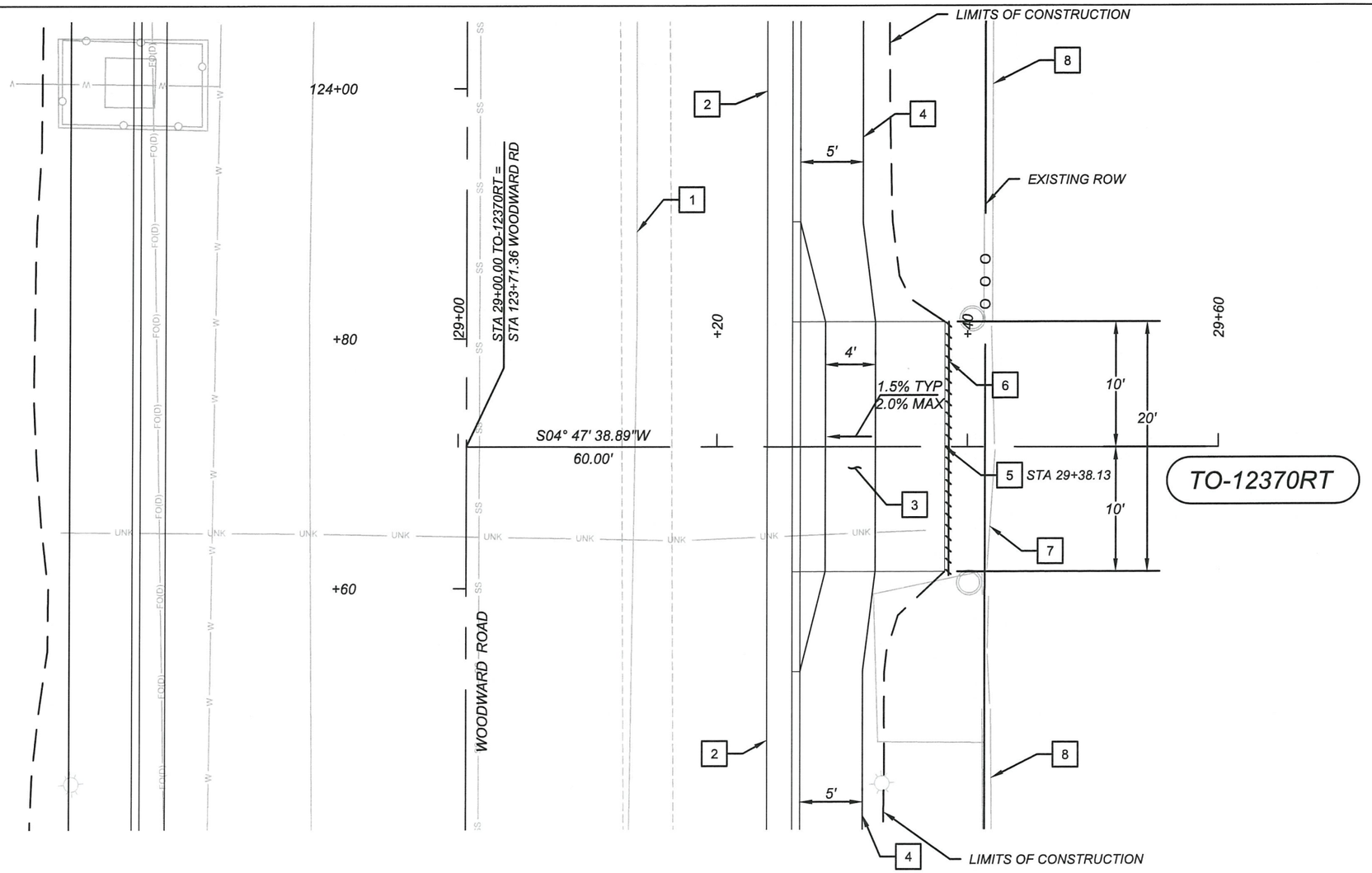
SHEET 4-18 OF

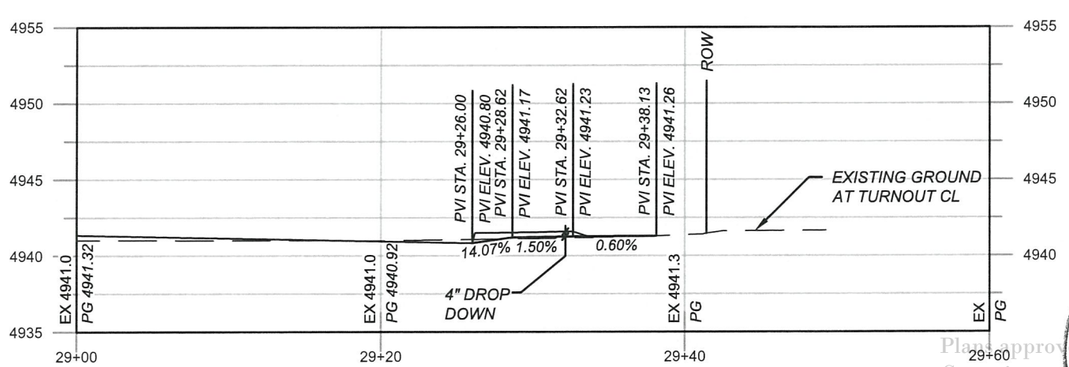
DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee and all Emergency Services Engineer, [illegible] 2019

60572857 C:\pwworking\aecom_ds16_na\jordan.thompson3@aecom.com\d0118031\A300161_4-18.dwg PLOTTED: 7/24/19 - 11:25am Jordan.Thompson11





TO-12370RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1. EDGE OF EXISTING PAVEMENT
2. BUILD STANDARD CURB & GUTTER PER COA 2415A
3. BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9.
4. BUILD CONCRETE SIDEWALK, 4"
5. END TURNOUT, MATCH EXISTING
6. SAWCUT, REMOVE & DISPOSE OF EXISTING PAVEMENT. LIMITS OF PAVEMENT REMOVAL.
7. EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
8. EXISTING FENCE TO REMAIN

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

Plans approved by Drainage Review Committee and Subdivision Group Chair Engineer [illegible] 2019

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

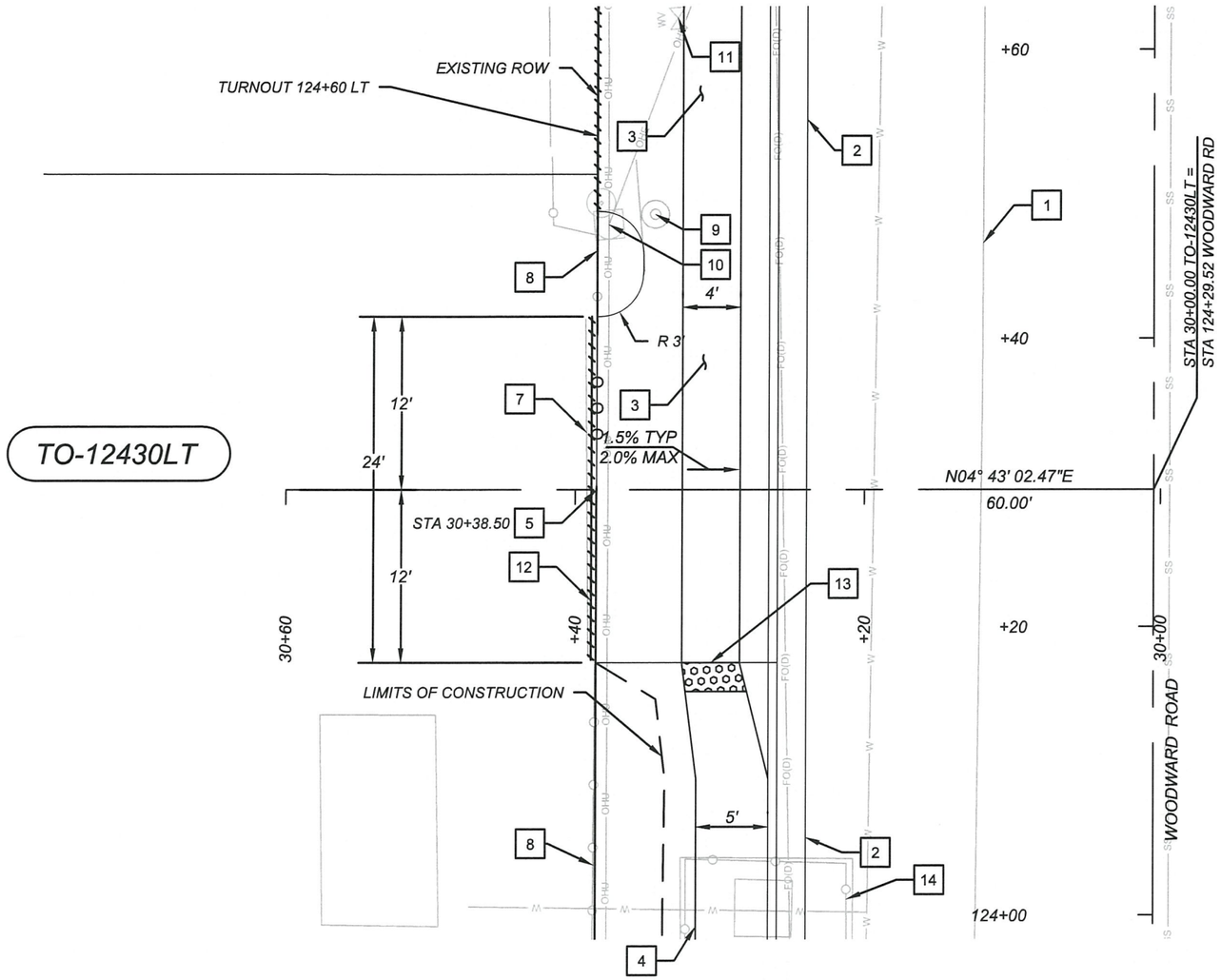
WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-12370RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-19 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_ma\jordan.thompson30\aecom.com\d0118031\A300161_4-19.dwg PLOTTED: 7/24/19 - 11:26am Jordan.Thompson11



TO-12430LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
8	EXISTING FENCE TO REMAIN
9	REMOVE AND SALVAGE EXISTING SIGN
10	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION
11	EXISTING WATER VALVE - ADJUST TO FINISHED GRADE
12	SAWCUT, REMOVE & DISPOSE OF EXISTING PAVEMENT. LIMITS OF PAVEMENT REMOVAL
13	BUILD DETECTABLE WARNING SURFACE PER NMDOT 608-001-8. INCIDENTAL TO ITEM 608004, CONCRETE SIDEWALK, 4"
14	EXISTING WATER VAULT TO BE RELOCATED - BY OTHERS

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-12430LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-20 OF

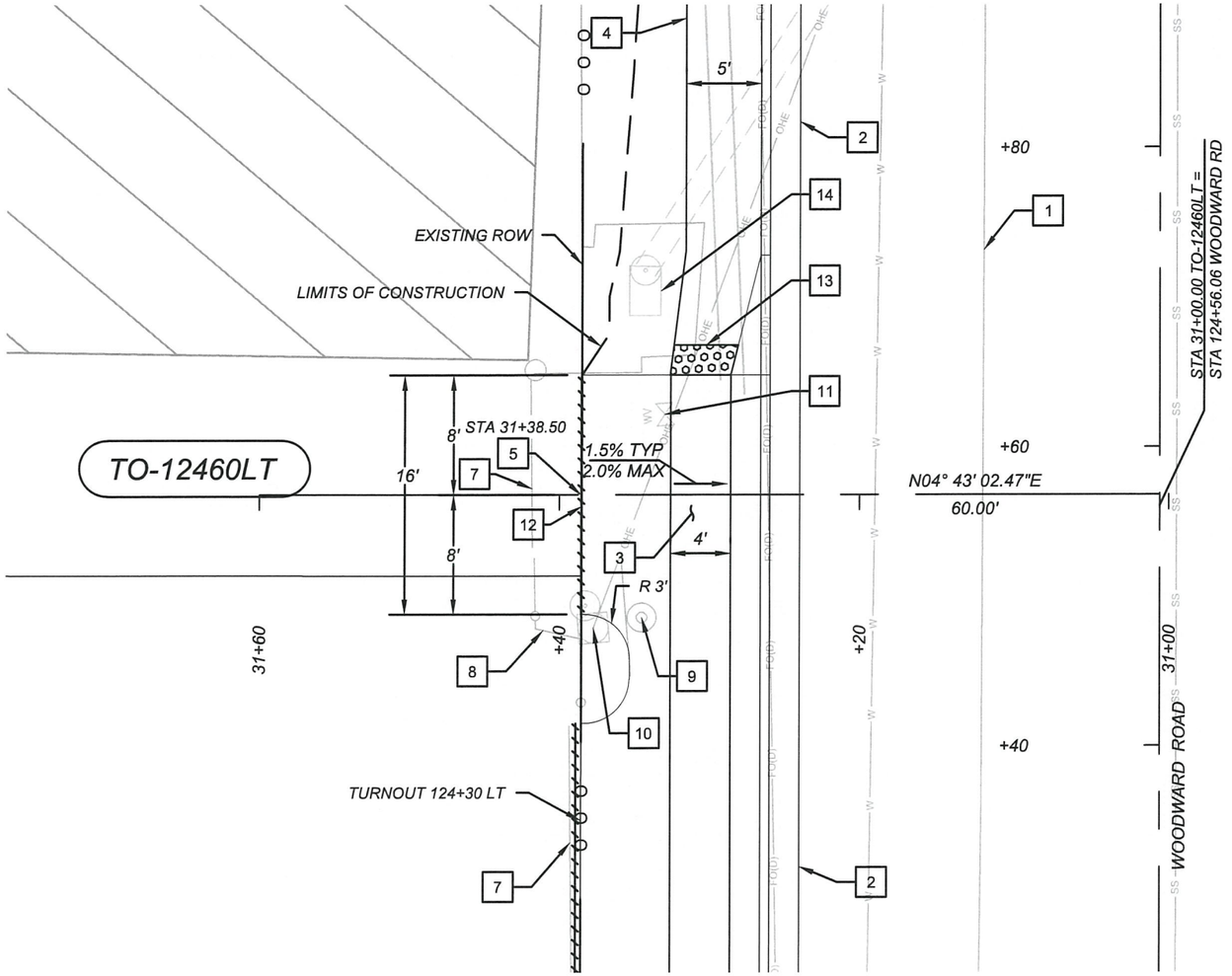
CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER
24 Jul 2019

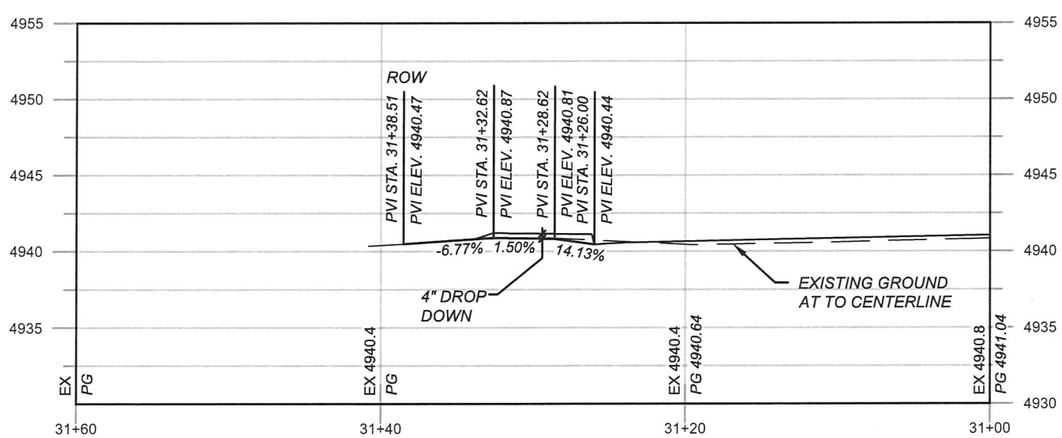
Plans approved by Development Review Committee and Albuquerque City Engineer, [illegible]

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nx\jordan.thompson10@aecom.com\d0118031\A300161_4-20.dwg PLOTTED: 7/24/19 - 11:26am Jordan.Thompson11

TO-12430LT





TO-12460LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C, PER NMDOT 608-008-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
8	EXISTING FENCE TO REMAIN
9	REMOVE AND SALVAGE EXISTING SIGN
10	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION
11	EXISTING WATER VALVE - ADJUST TO FINISHED GRADE
12	SAWCUT, REMOVE & DISPOSE EXISTING ASPHALT. LIMITS OF PAVEMENT REMOVED.
13	BUILD DETECTABLE WARNING SURFACE PER NMDOT 608001-8. INCIDENTAL TO ITEM 608004, CONCRETE SIDEWALK, 4"
14	EXISTING DROP INLET INLET TO BE REMOVED

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-12460LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-21 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

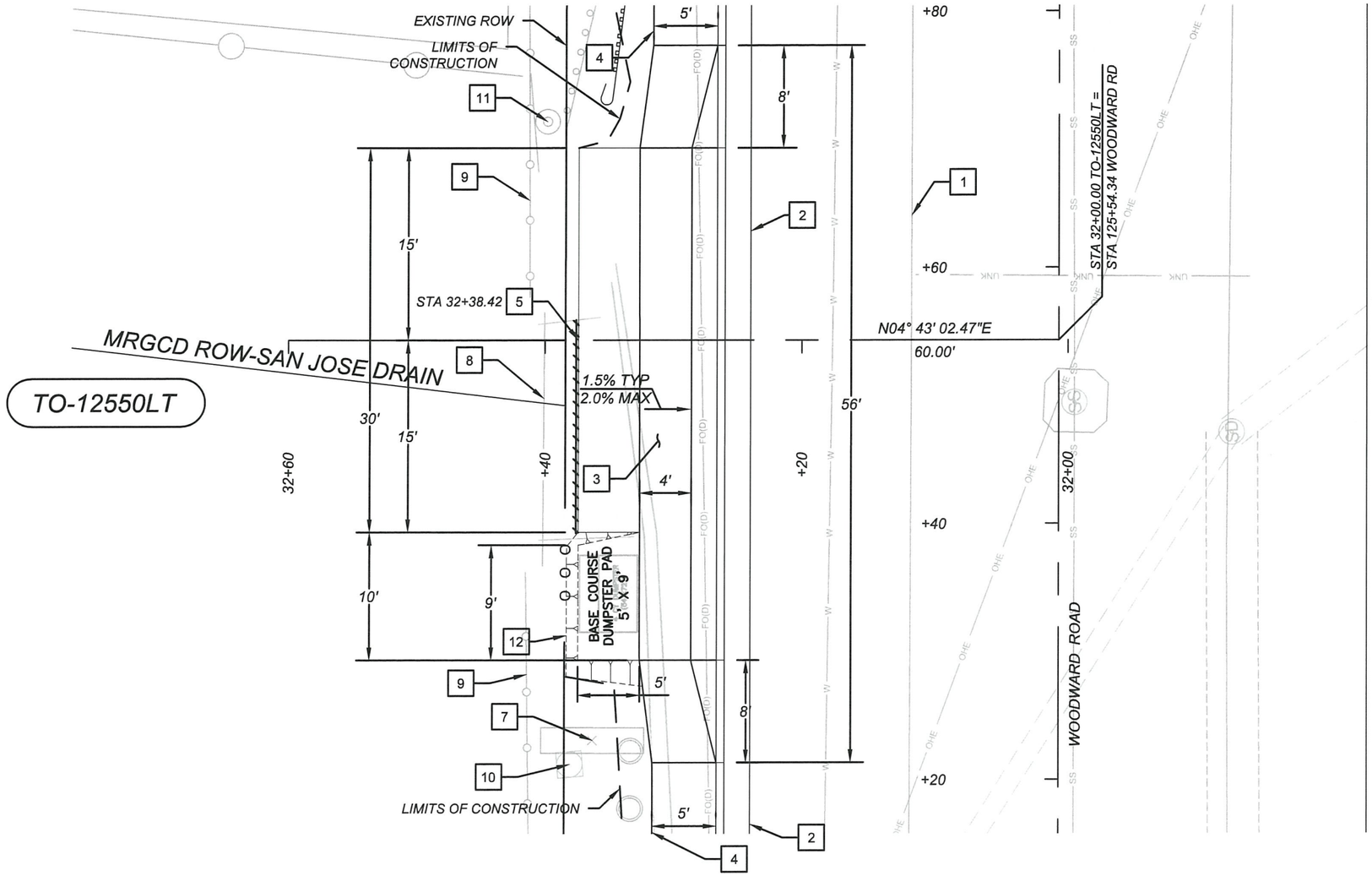
CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER

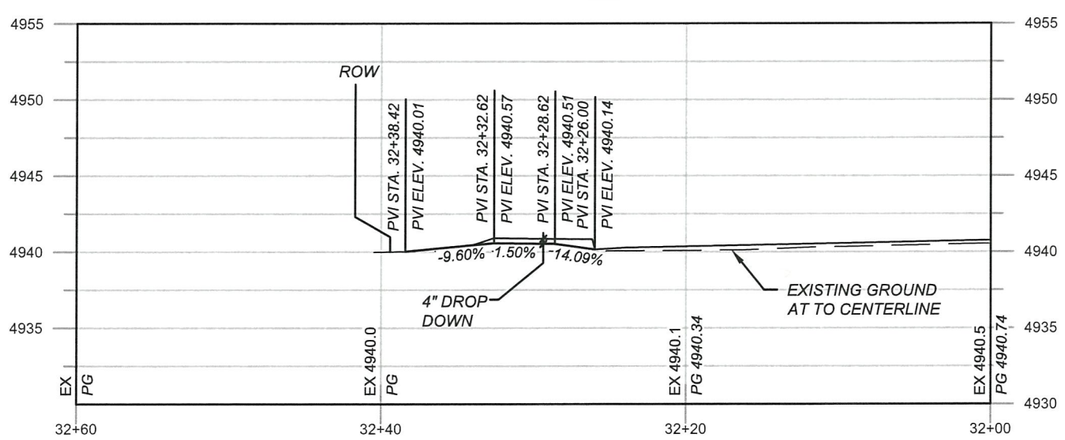
Plans approved by Design Review Committee and Development Review Engineer

24 Jul 2019

60572657 C:\pwworking\aecom_da16_no\jordan.thompson39@aecom.com\d0118031\A300161_4-21.dwg PLOTTED: 7/24/19 - 11:26am Jordan.Thompson11

TO-12460LT





TO-12550LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2B WITH 4" DROP DOWN , PER NMDOT 608-008-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING MAILBOX TO REMAIN - PROTECT DURING CONSTRUCTION
8	EXISTING GATE TO REMAIN - PROTECT IN PLACE DURING CONSTRUCTION
9	EXISTING FENCE TO REMAIN
10	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION
11	REMOVE AND SALVAGE EXISTING SIGN
12	BUILD ROLLED BASE COURSE DUMPSTER PAD 6'X9' AT BACK OF SIDEWALK, GRADE SIDES TO MATCH EXISTING

TEMPORARY DUMPSTER RELOCATION:
DUMPSTER TO BE RELOCATED DURING DRIVEPAD CONSTRUCTION. MAINTAIN ACCESS TO DUMPSTER FOR SERVICING. COORDINATE RELOCATION WITH PROPERTY OWNER

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-12550LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-22 OF

DESIGNED BY:

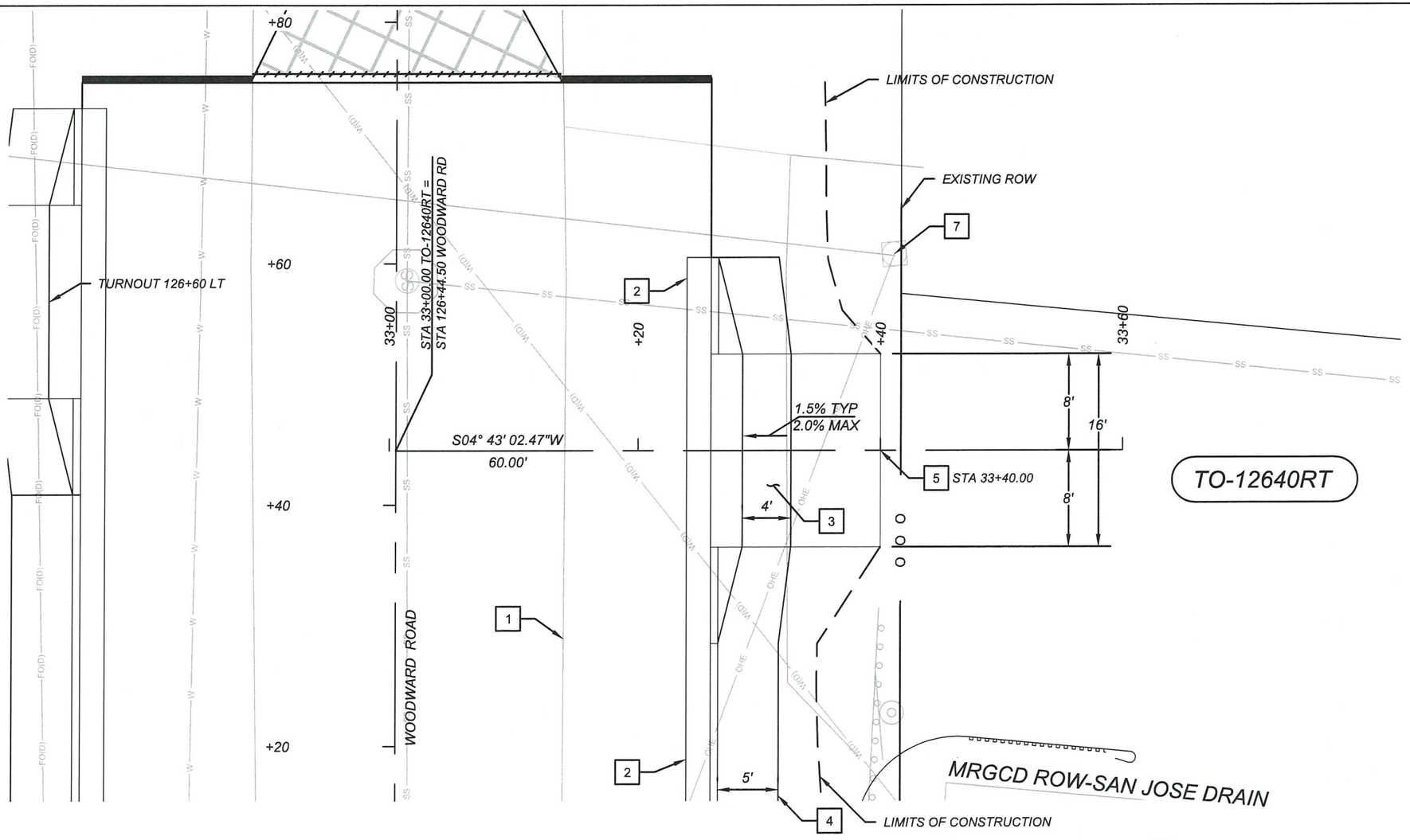
DRAWING SCALE:

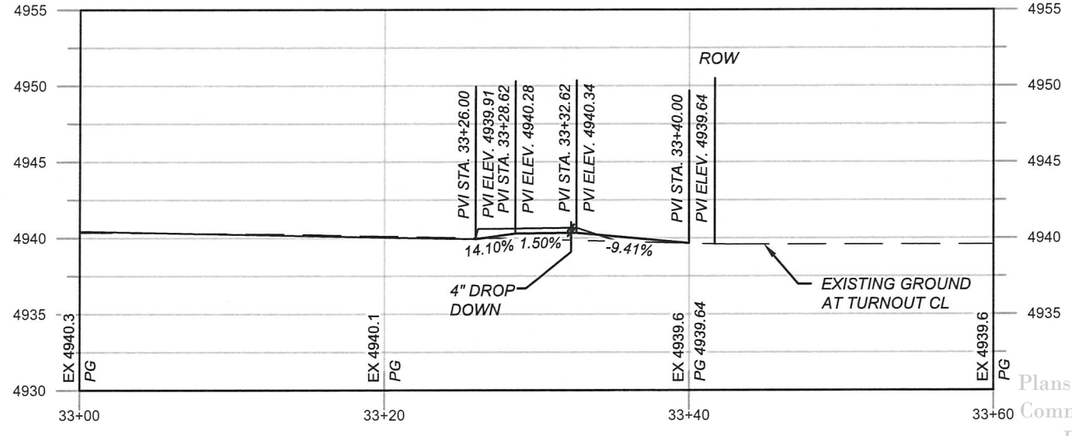
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER 7/31/2019

Plans approved for Review Comments Only by the City of Albuquerque City Engineer on Aug. 7, 2020

60572657: C:\pw\working\\decom_ds16_no\jordan.thompson3@aecom.com\d0118031\A300161_4-22.dwg PLOTTED: 7/24/19 - 11:27cm Jordan.Thompson11





TO-12640RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee and City of Albuquerque Public Works Engineering 22 Jul 2019

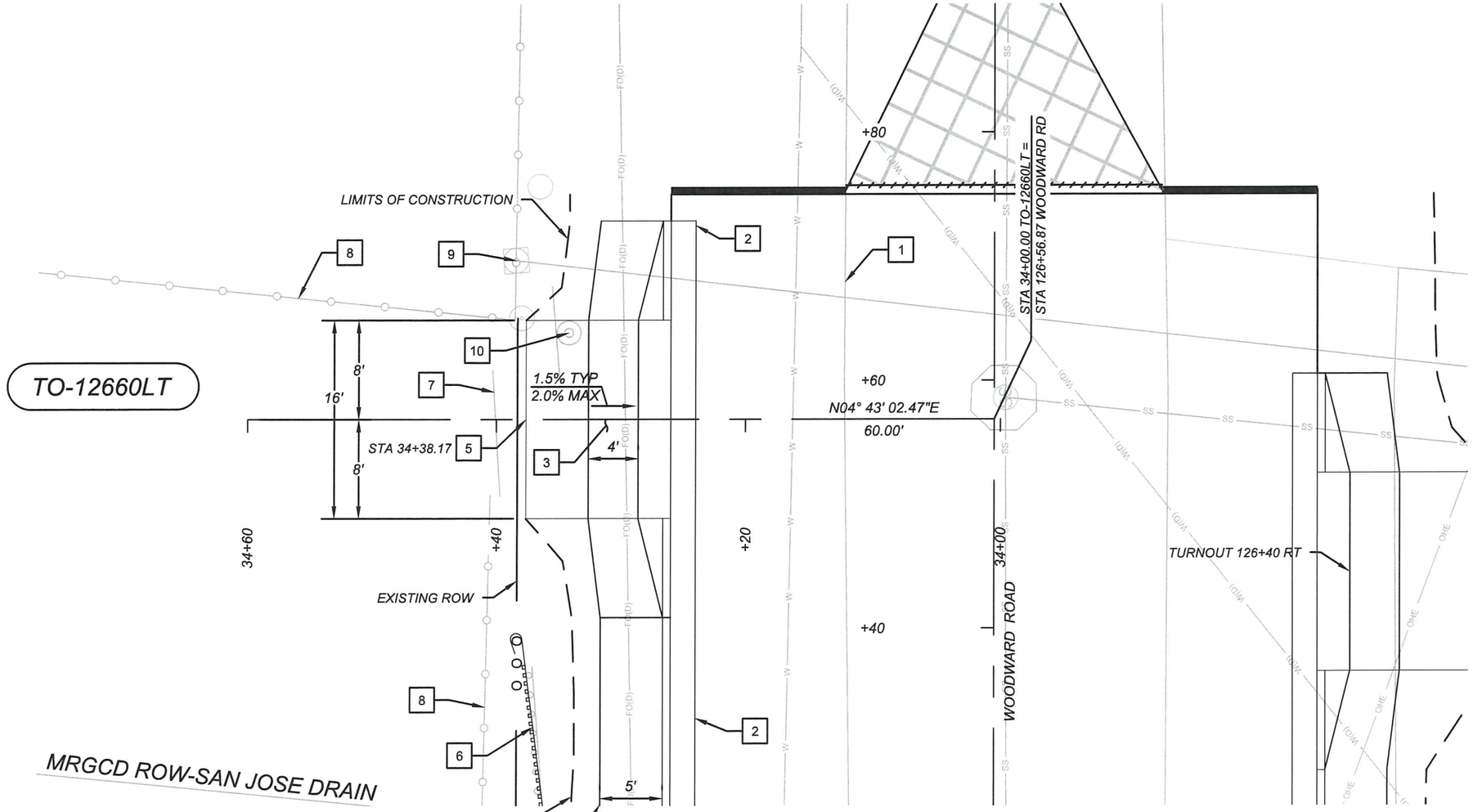
WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-12640RT

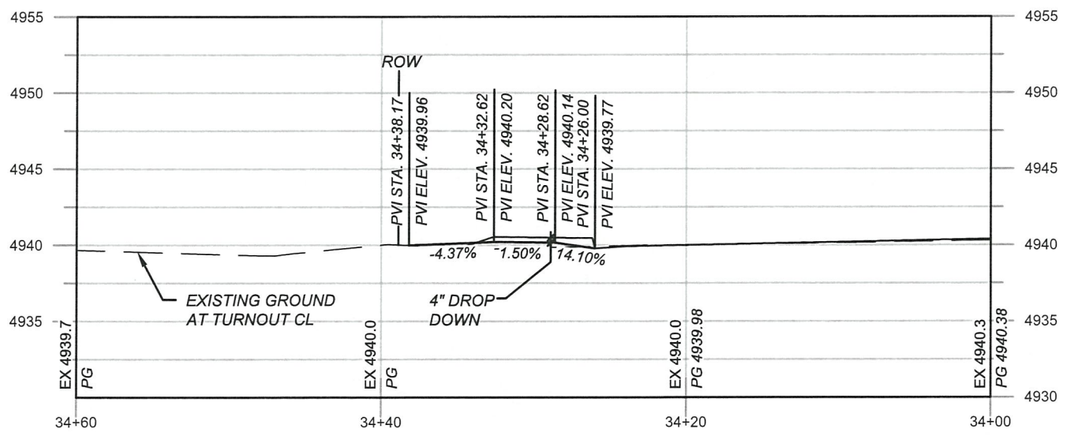
BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-23 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_db16_nt\jordan.thompson3@aecom.com\d0118031\A300161_4-23.dwg PLOTTED: 7/24/19 - 11:27am Jordan.Thompson11





TO-12660LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	BUILD STANDARD CURB & GUTTER PER COA 2415A
3	BUILD DRIVEPAD, 6", TYPE 2C PER NMDOT 608-001-9. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	INSTALL NEW GUARDRAIL, SEE 3-SERIES FOR INFORMATION.
7	EXISTING GATE - PROTECT IN PLACE DURING CONSTRUCTION
8	EXISTING FENCE TO REMAIN
9	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION
10	REMOVE AND SALVAGE EXISTING SIGN

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-12660LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

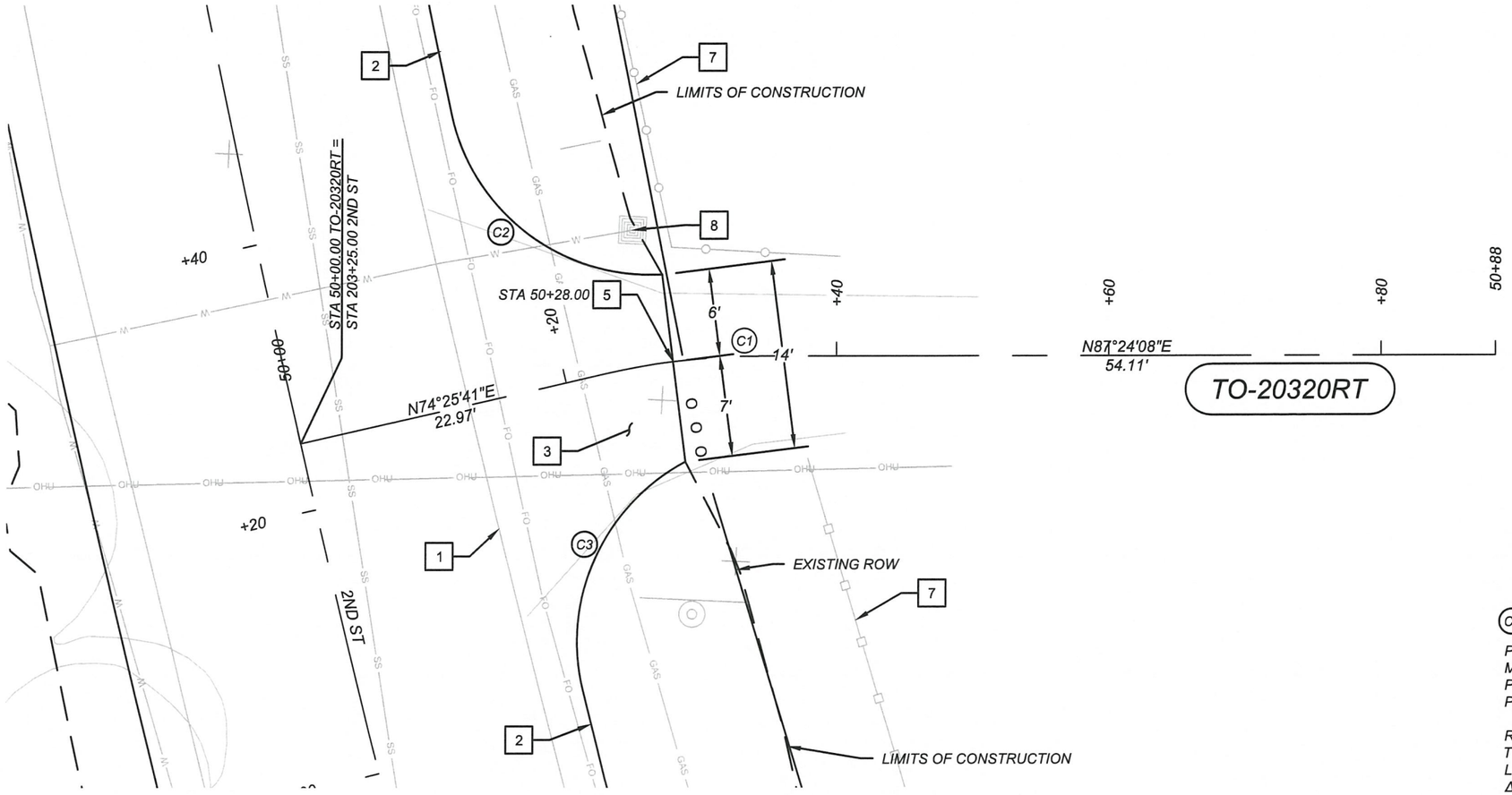
SHEET 4-24 OF

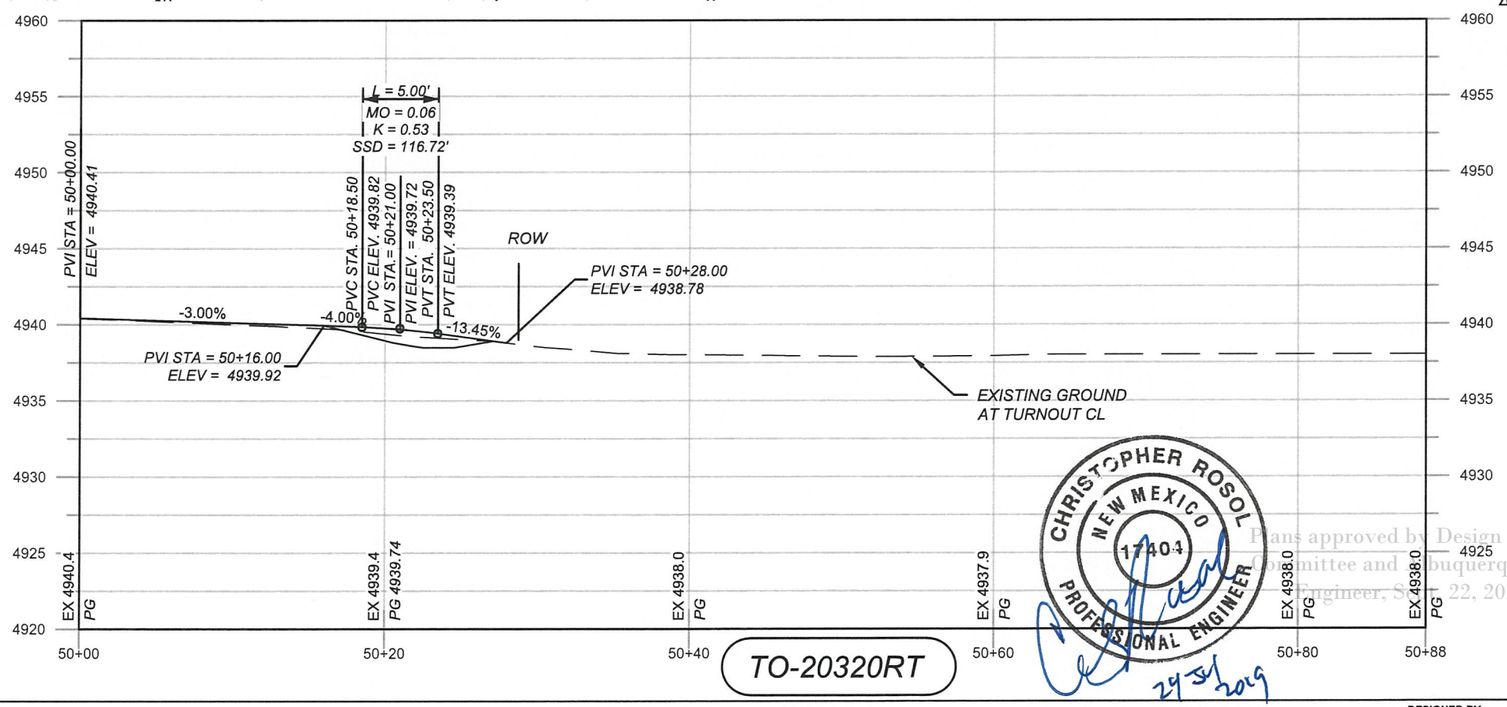
DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee and Albuquerque Civ Engi[illegible] Sept. 12, 20[illegible]

60572657 C:\pwworking\ocom_ds16_nm\jordan.thompson30@aecom.com\d0118031\A300161_4-24.dwg PLOTTED: 7/24/19 - 11:27am Jordan.Thompson11





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	NEW EDGE OF ASPHALT
3	BUILD ASPHALT TURNOUT. SEE 2-SERIES FOR INFORMATION.
4	NOT USED
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING FENCE TO REMAIN
8	EXISTING WATER METER - PROTECT IN PLACE DURING CONSTRUCTION

C1

PC: 50+22.97
MID: 50+28.63
PT: 50+34.29
PI: 50+28.65

R = 50'
T = 5.69'
L = 11.32'
Δ = 12°58'27"

C2

PC: 203+31.47, 27.86' RT
MID: 203+37.00, 19.28' RT
PT: 203+46.77, 16.08' RT
PI: 203+34.21, 15.84' RT

R = 15'
T = 12.13'
L = 20.40'
Δ = 77° 55' 06"

C3

PC: 203+02.56, 15.52' RT
MID: 203+14.51, 21.24' RT
PT: 203+17.42, 34.04' RT
PI: 203+21.80, 15.67' RT

R = 15'
T = 11.66'
L = 19.83'
Δ = 75° 43' 28"

N

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
29 SEP 2019

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-20320RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

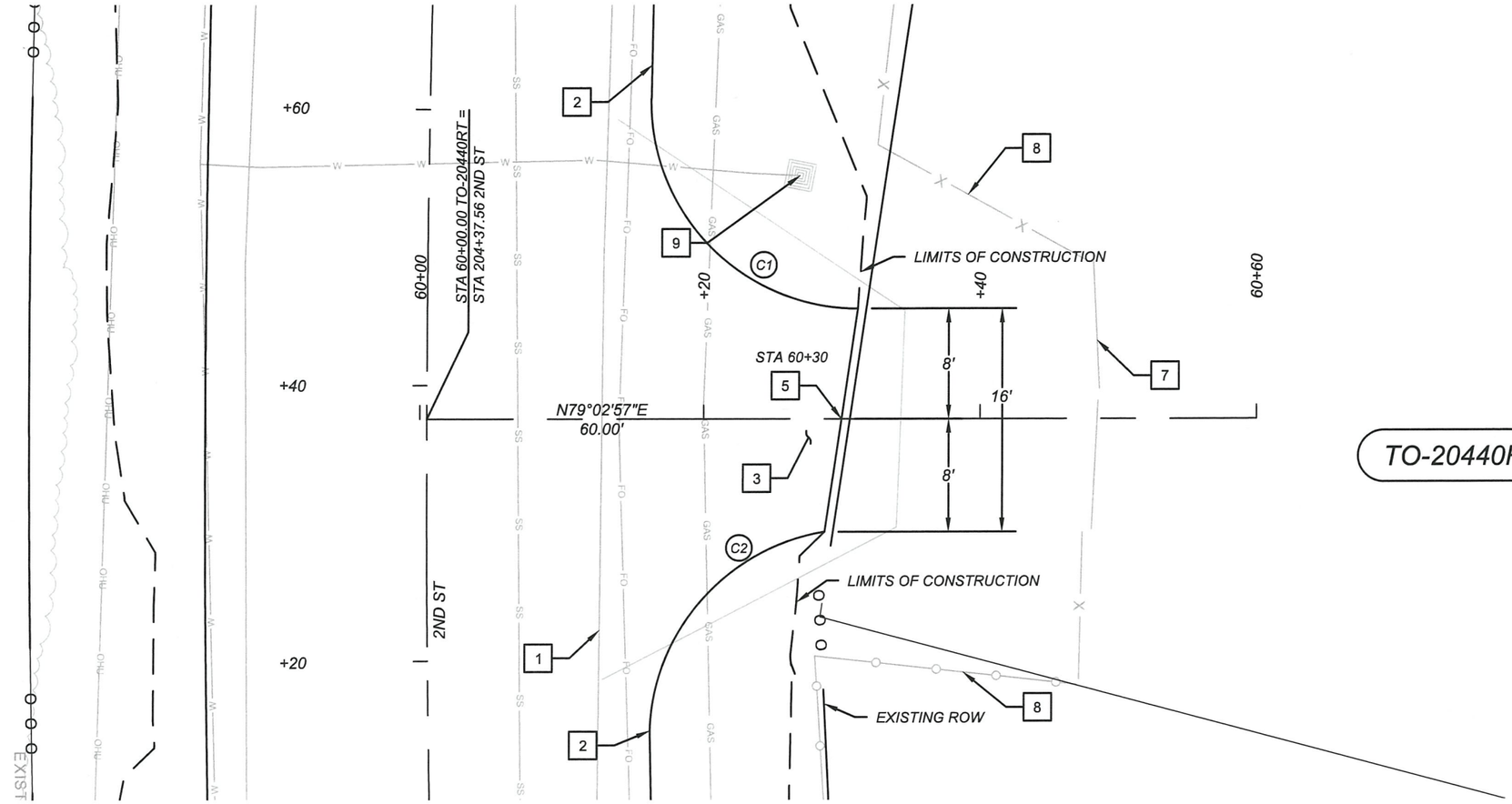
SHEET 4-25 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nt\jordan.thompson39@aecom.com\d0118031\A300161_4-25.dwg PLOTTED: 7/24/19 - 11:28am Jordan.Thompson11



TO-20440RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	NEW EDGE OF ASPHALT
3	BUILD ASPHALT TURNOUT. SEE 2-SERIES FOR INFORMATION.
4	NOT USED
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	EXISTING GATE TO REMAIN
8	EXISTING FENCE TO REMAIN
9	EXISTING WATER METER - ADJUST TO GRADE

C1

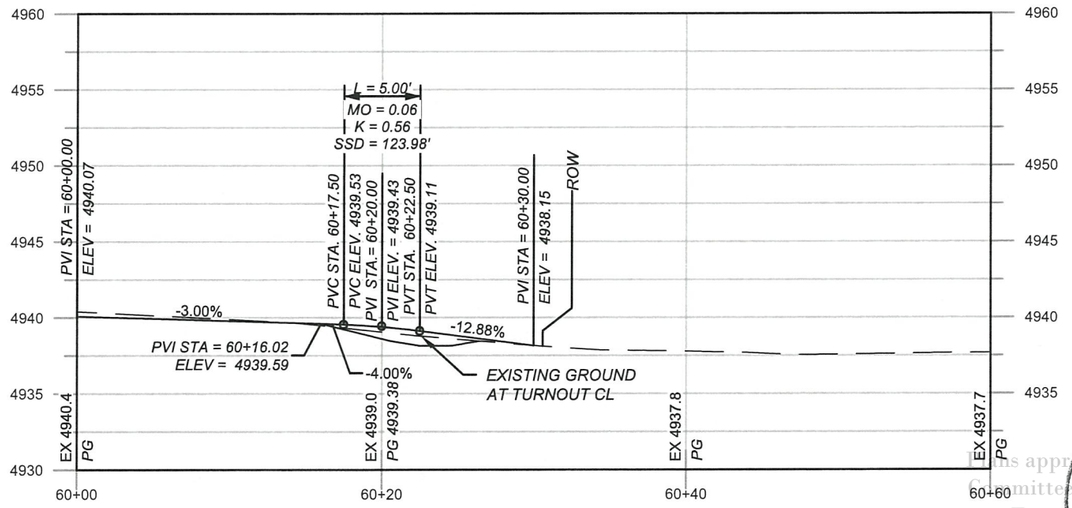
PC: 204+45.74, 31.16' RT
MID: 204+50.23, 20.44' RT
PT: 204+62.18, 21.08' RT
PI: 204+46.18, 20.08' RT

R = 15'
T = 15.25'
L = 23.81'
Δ = 89° 04' 21"

C2

PC: 204+14.73, 18.40' RT
MID: 204+23.99, 19.62' RT
PT: 204+21.19, 28.76' RT
PI: 204+29.45, 19.14' RT

R = 15'
T = 12.98'
L = 21.40'
Δ = 81° 43' 57"



TO-20440RT

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-20440RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-26 OF

DESIGNED BY:

DRAWING SCALE:

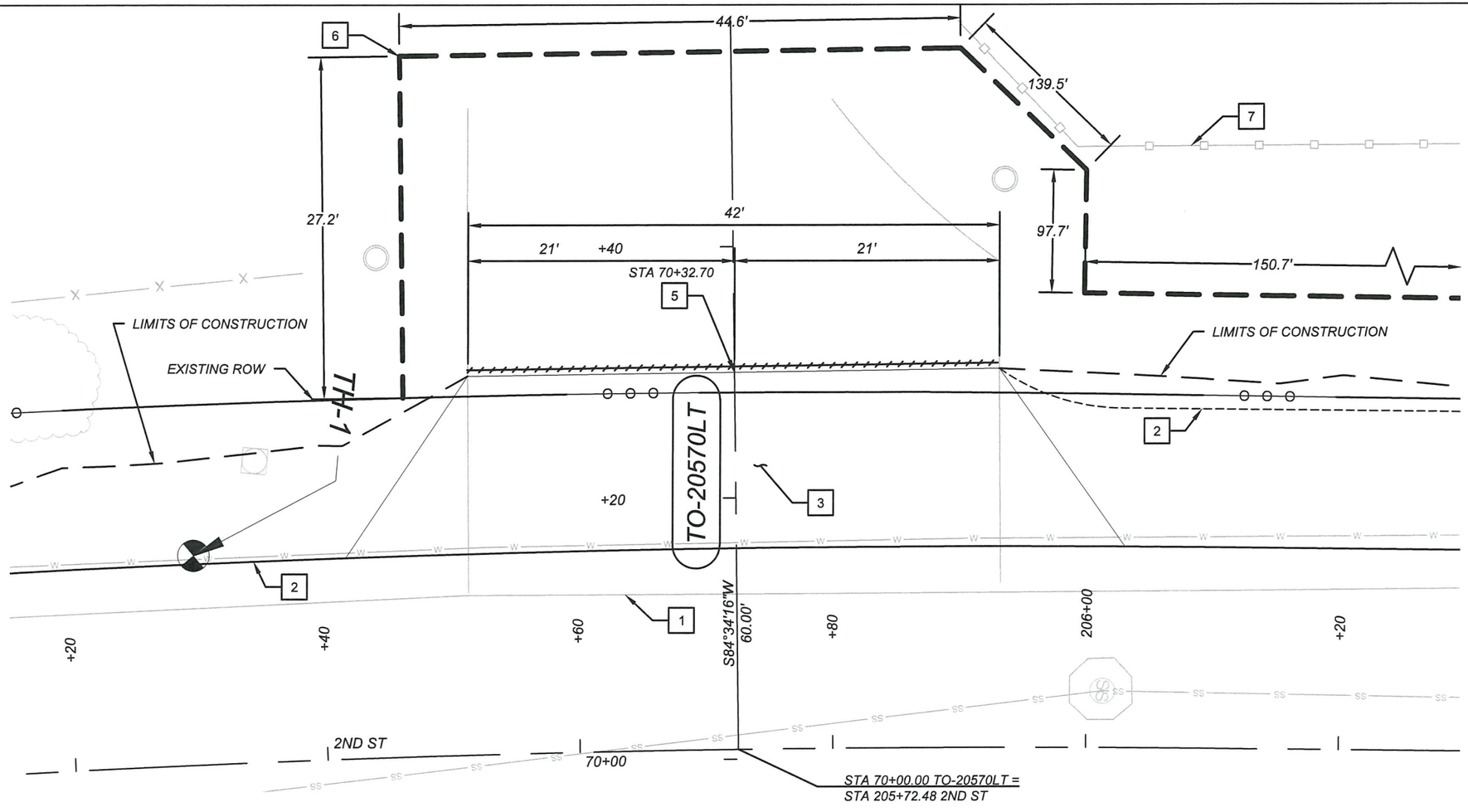
NMDOT CN: A300161

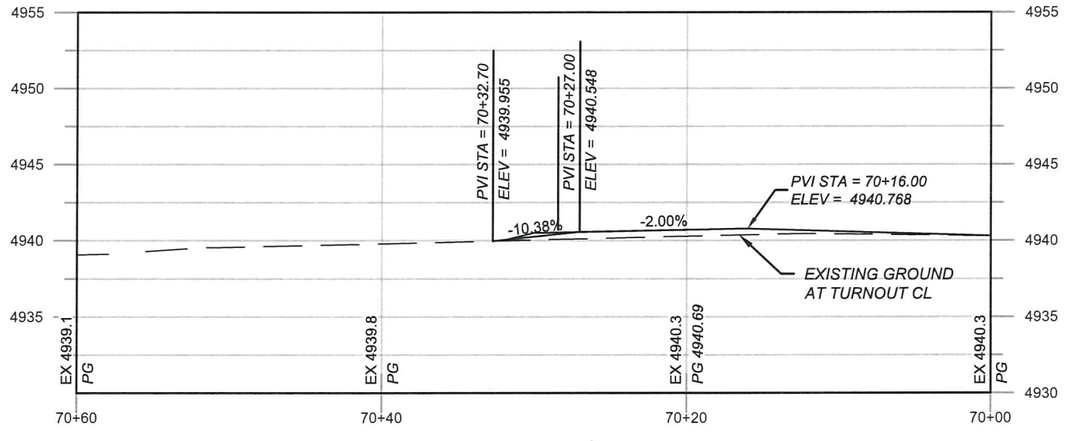
CHRISTOPHER ROSOL NEW MEXICO 17404 PROFESSIONAL ENGINEER

This approved by the Committee and Albuquerque City Engineer Sept. 22, 2020

24 Jul 2019

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson3@aecom.com\d0118031\A300161_4-26.dwg PLOTTED: 7/24/19 - 11:28am Jordan.Thompson11





TO-20570LT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	NEW EDGE OF ASPHALT
3	BUILD ASPHALT TURNOUT. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	TEMPORARY CONSTRUCTION PERMIT (TCP) LIMITS
7	EXISTING FENCE TO REMAIN

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-20570LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

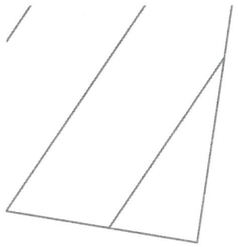
SHEET 4-27 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

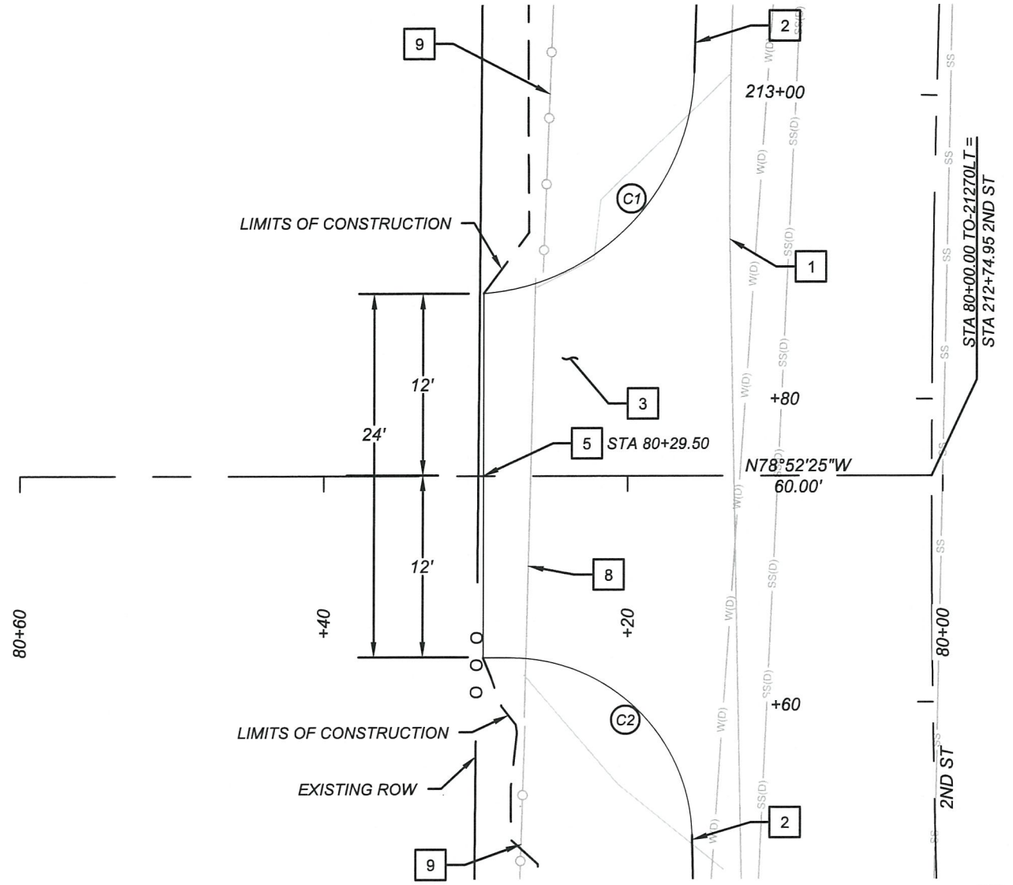
CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

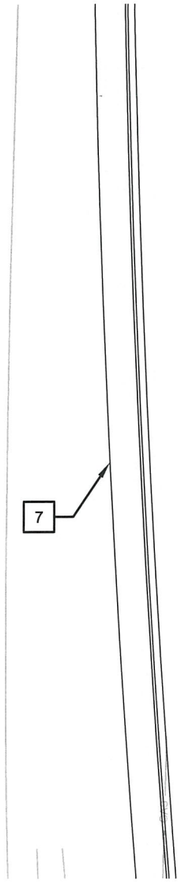
Plans approved by Design Review Committee and Albuquerque City Engineer 7.22.2019

60572657 C:\pw\working\aecom_ds16_nm\jordan.thompson3@aecom.com\d0118031\V\300161_4-27.dwg PLOTTED: 7/24/19 - 11:28am Jordan.Thompson11



TO-21270LT





CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	NEW EDGE OF ASPHALT
3	BUILD ASPHALT TURNOUT. SEE 2-SERIES FOR INFORMATION.
4	BUILD CONCRETE SIDEWALK, 4"
5	END TURNOUT, MATCH EXISTING
6	NOT USED
7	BUILD STANDARD CURB & GUTTER PER COA 2415A
8	EXISTING GATE TO BE ADJUSTED
9	EXISTING FENCE TO REMAIN

C1

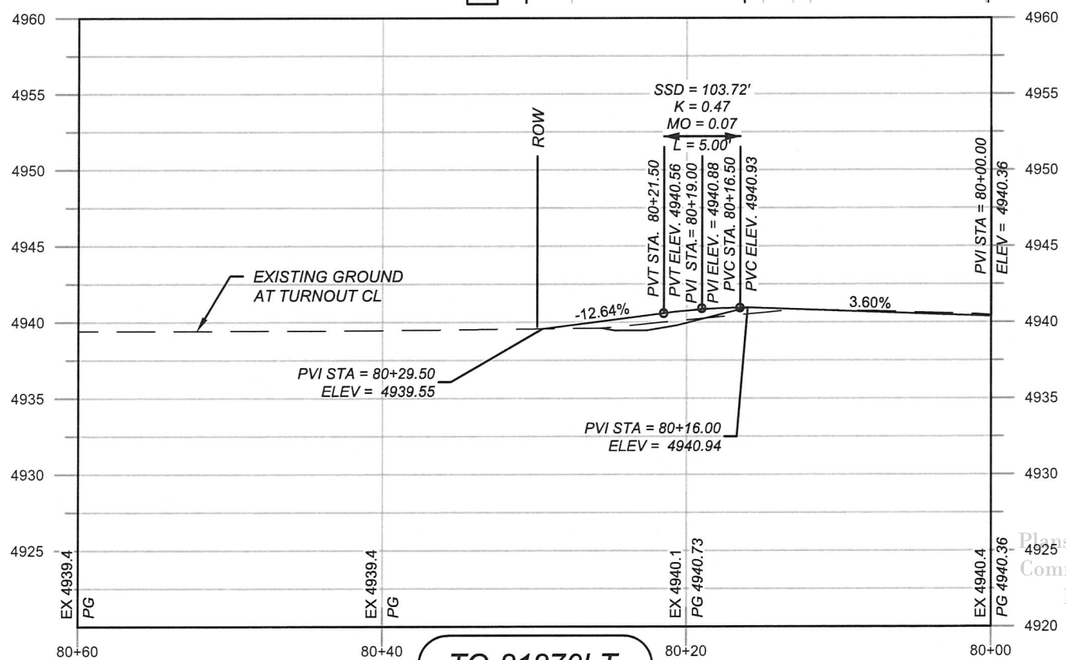
PC: 212+86.63, 26.11' LT
MID: 212+95.13, 16.68' LT
PT: 213+06.06, 16.00' LT
PI: 212+86.75, 16.00' LT

R = 25'
T = 12.53"
L = 23.07'
Δ = 52° 52' 21"

C2

PC: 212+43.37, 16.00' LT
MID: 212+54.67, 18.87' LT
PT: 212+63.23, 26.74' LT
PI: 212+63.14, 16.00' LT

R = 25'
T = 13.07'
L = 23.92'
Δ = 54° 49' 14"



TO-21270LT

0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-21270LT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-28 OF

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER
24 Jul 2019

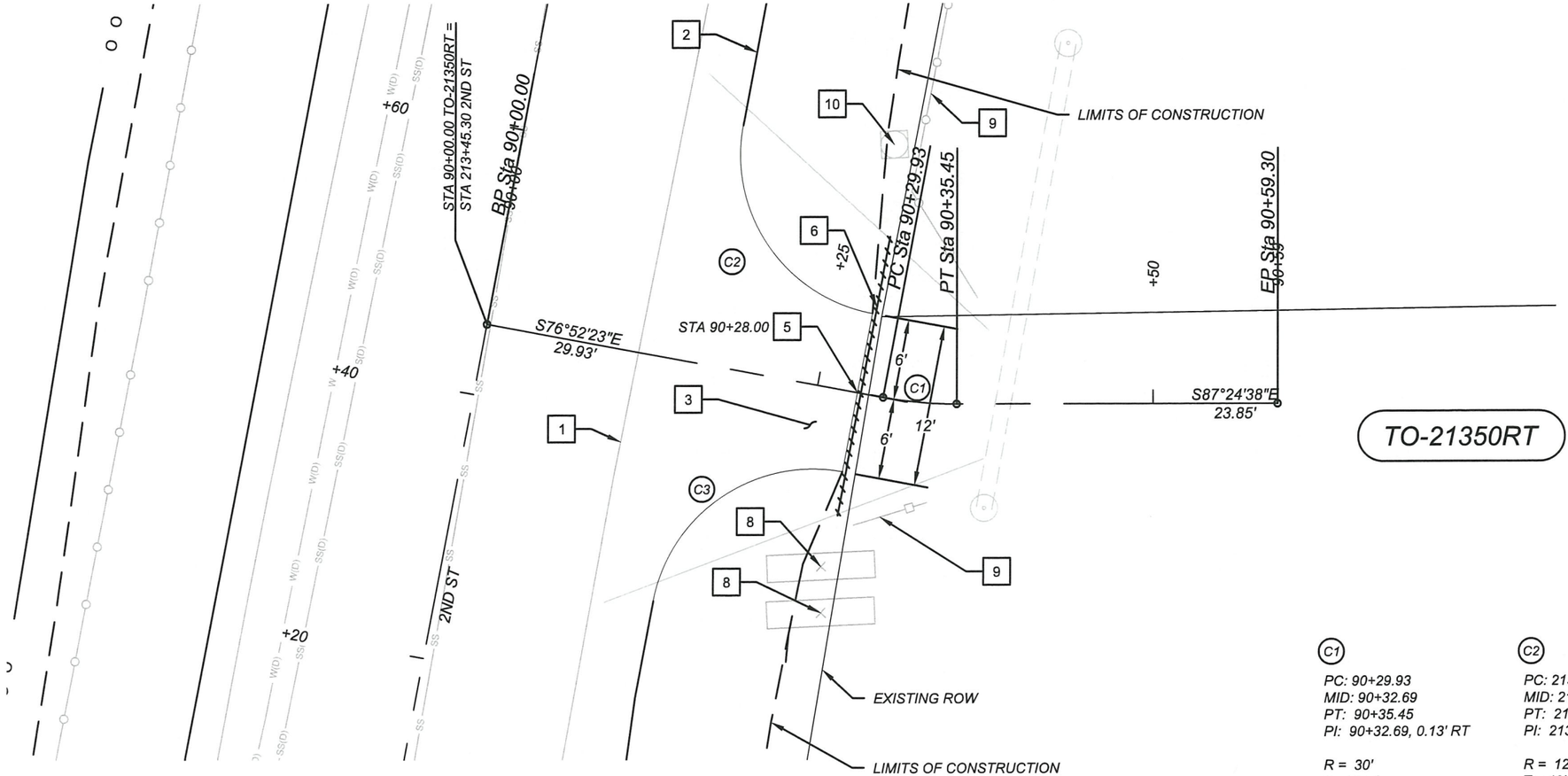
Plans approved by Design Review Committee for bidding purposes only. Engineer's signature not required.

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson3@aecom.com\d0118031\A300161_4-28.dwg PLOTTED: 7/24/19 - 11:28am Jordan.Thompson11



TO-21350RT

CONSTRUCTION NOTES

1. DIMENSIONS ARE TO LIP OF GUTTER OR LIMITS OF FULL DEPTH PAVEMENT UNLESS OTHERWISE INDICATED.
2. DRIVEWAYS SHALL BE PAVED PER ASPHALT TURNOUT DETAIL. SEE 2-SERIES FOR INFORMATION.
3. COORDINATE OPENING AND CLOSING OF EXISTING GATES WITH RESIDENT TO AVOID ACCIDENTAL RELEASE OF LIVESTOCK OR DOMESTIC PETS.

KEYED NOTES

1	EDGE OF EXISTING PAVEMENT
2	NEW EDGE OF ASPHALT
3	BUILD ASPHALT TURNOUT. SEE 2-SERIES FOR INFORMATION.
4	NOT USED
5	END TURNOUT, MATCH EXISTING
6	SAWCUT REMOVE AND DISPOSE OF EXISTING PAVEMENT - LIMITS OF PAVEMENT REMOVED
7	NOT USED
8	EXISTING MAILBOXES TO REMAIN - PROTECT IN PLACE
9	EXISTING FENCE TO REMAIN
10	EXISTING POLE - PROTECT IN PLACE DURING CONSTRUCTION

C1

PC: 90+29.93
MID: 90+32.69
PT: 90+35.45
PI: 90+32.69, 0.13' RT

R = 30'
T = 2.77'
L = 5.52'
Δ = 10° 32' 15"

C2

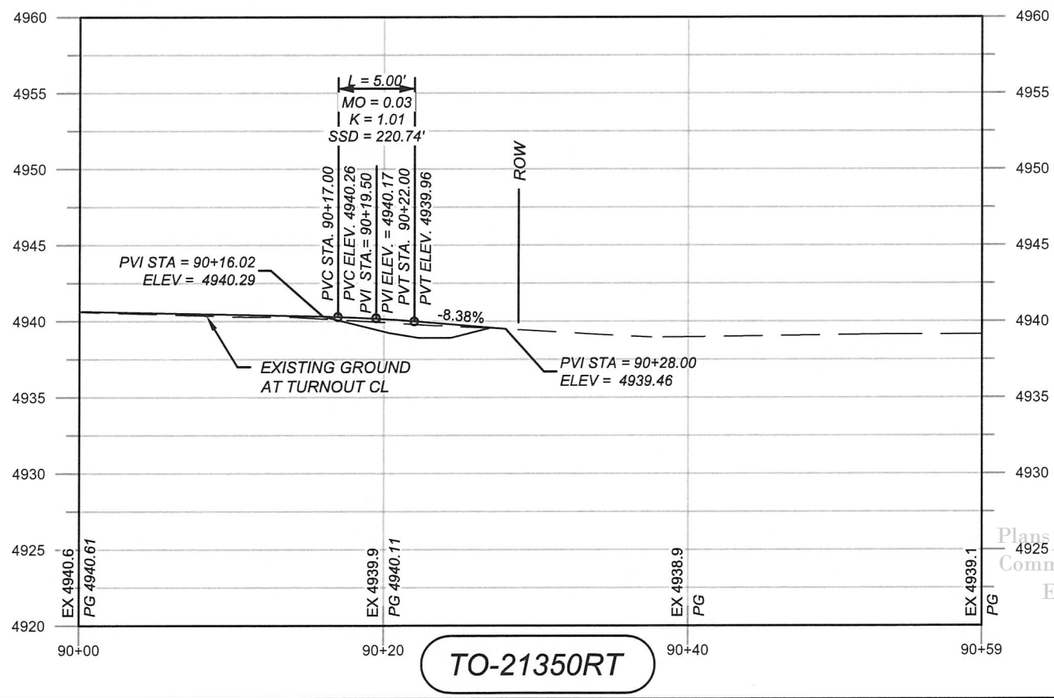
PC: 213+51.30, 16.00' RT
MID: 213+54.82, 19.51' RT
PT: 213+63.60, 16.00' RT
PI: 213+51.30, 16.00' RT

R = 12'
T = 12'
L = 18.85'
Δ = 90° 00' 00"

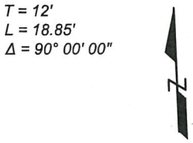
C3

PC: 213+27.30, 16.00' RT
MID: 213+35.79, 19.51' RT
PT: 213+39.30, 28.00' RT
PI: 213+39.30, 16.00' RT

R = 12'
T = 12'
L = 18.85'
Δ = 90° 00' 00"



TO-21350RT



0 10 20 FEET

SCALE: HORIZONTAL 1"=10'
VERTICAL 1"=10'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER

Plans approved by Design Review Committee [illegible] Albuquerque - Bernalillo County Engineering [illegible]

24 Jul 2019

WOODWARD ROAD IMPROVEMENTS
TURNOUT PROFILES
TO-21350RT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 4-29 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_ad\jordan.thompson30@aecom.com\d0118031\A300161_4-29.dwg PLOTTED: 7/24/19 - 11:29am Jordan.Thompson11

GENERAL NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION 2019 EDITION, AND APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.

2. REINFORCEMENT BARS SHALL BE GRADE 60. DIMENSIONS SHOWN REFER TO CENTERLINES OF BARS UNLESS NOTED OTHERWISE.

3. EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY IN THE FIELD THE LOCATIONS OF ALL EXISTING UTILITIES, CABLES, PIPES OR CONDUITS WHICH MUST BE RELOCATED OR PROTECTED FROM DAMAGE BEFORE PROCEEDING WITH THE WORK. THE LOCATING OF EXISTING UTILITIES WILL BE PAID FOR IN ACCORDANCE WITH THE GENERAL NOTES IN 1 SERIES.

4. PROTECTION AND SAFETY. THE CONTRACTOR SHALL PERFORM ALL REMOVAL AND CONSTRUCTION ACTIVITIES IN A MANNER THAT WILL PROTECT TRAFFIC AND PEDESTRIANS FROM HARM.

5. ALL DEBRIS AND MATERIAL REMOVED IN THE COURSE OF COMPLETING THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. NO WASTE MATERIALS SHALL BE ALLOWED TO FALL INTO CHANNEL UNDER ANY CIRCUMSTANCES.

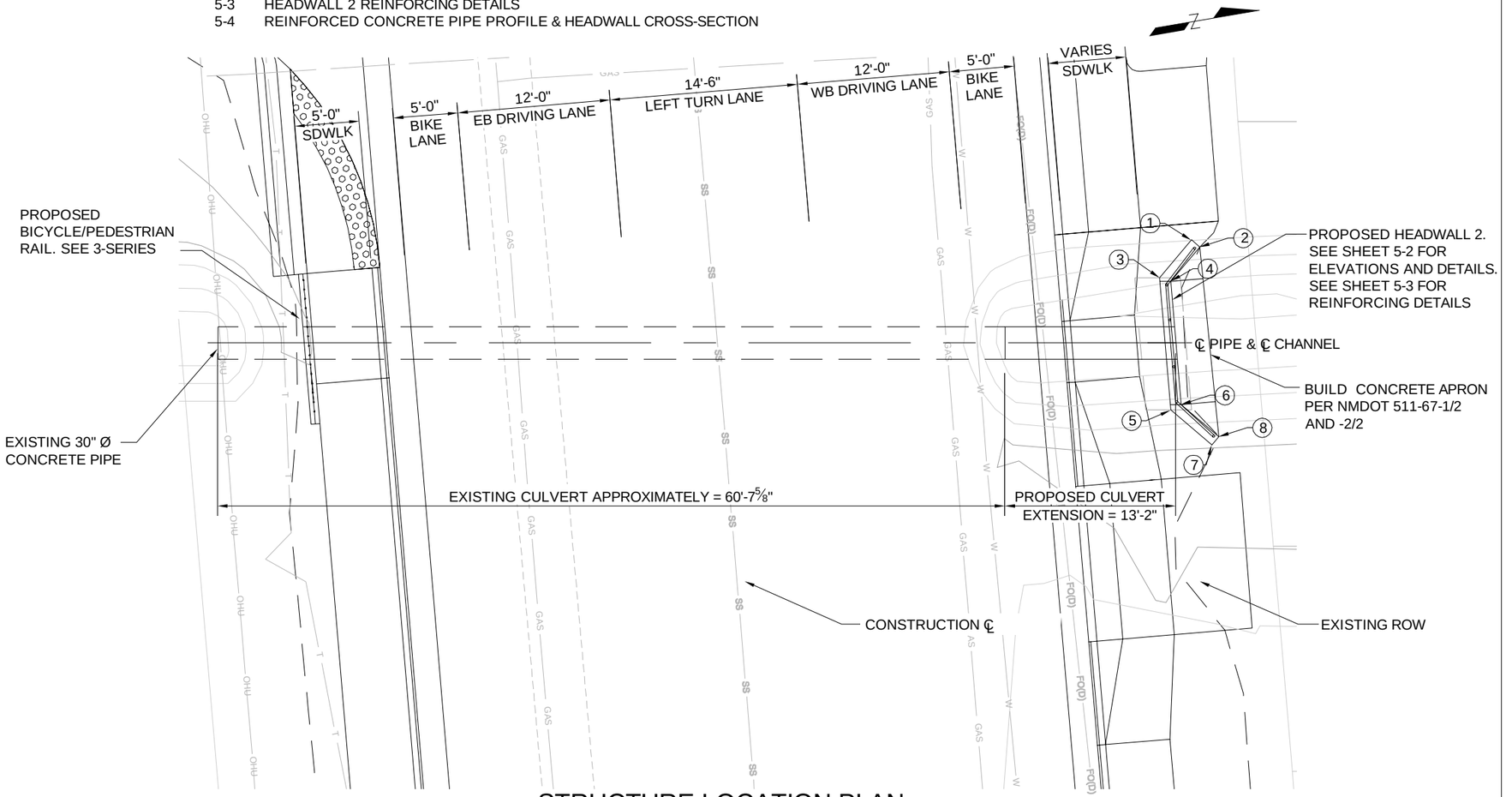
6. PENETRATING WATER REPELLENT TREATMENT SHALL BE APPLIED TO NEW CONCRETE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

7. HEADWALL DESIGN IS BASED ON NMDOT STANDARD DRAWING SERIES 511-03.

8. BACKFILL SOIL AND ALL EARTH WORK SHALL CONFORM TO SECTIONS 206 AND 210 OF THE NMDOT STANDARD SPECIFICATIONS. COHESIVE SOILS OF SILTS AND CLAYS SHALL NOT BE USED FOR BACKFILL SOIL. BACKFILL MATERIAL SHALL BE FREE DRAINING.

INDEX OF SHEETS

5-1 GENERAL NOTES, ESTIMATED QUANTITIES, & STRUCTURE LOCATION PLAN
5-2 HEADWALL 2 PROFILE
5-3 HEADWALL 2 REINFORCING DETAILS
5-4 REINFORCED CONCRETE PIPE PROFILE & HEADWALL CROSS-SECTION



STRUCTURE LOCATION PLAN

SCALE: 1" = 10'

HEADWALL POINT ELEVATION TABLE

LOCATION	HEADWALL 2 CONSTRUCTION ℄ STA. OFFSET
①	112+59.85 36.479'
②	112+60.44 37.068'
③	112+62.54 33.792'
④	112+62.88 34.625'
⑤	112+72.76 33.792'
⑥	112+72.42 34.625'
⑦	112+75.70 36.730'
⑧	112+75.11 37.319'

ESTIMATED QUANTITIES

ITEM	DESCRIPTION OF ITEM	UNIT	HEADWALLS	TOTALS
511000	STRUCTURAL CONCRETE, CLASS A	CU. YD.	6	6
540060	REINFORCING BARS GRADE 60	LBS.	625	625
607079	PEDESTRIAN/BICYCLE RAILING	LIN. FT.	39	39

ROXANNE B. BLATZ
NEW MEXICO
16311
REGISTERED PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 07/25/2019

REVISIONS	NO	DATE	DESCRIPTION
	6	–	–
	5	–	–
	4	–	–
	3	–	–
	2	–	–
	1	–	–

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60438609

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
GENERAL NOTES, ESTIMATED QUANTITIES & STRUCTURE LOCATION PLAN

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

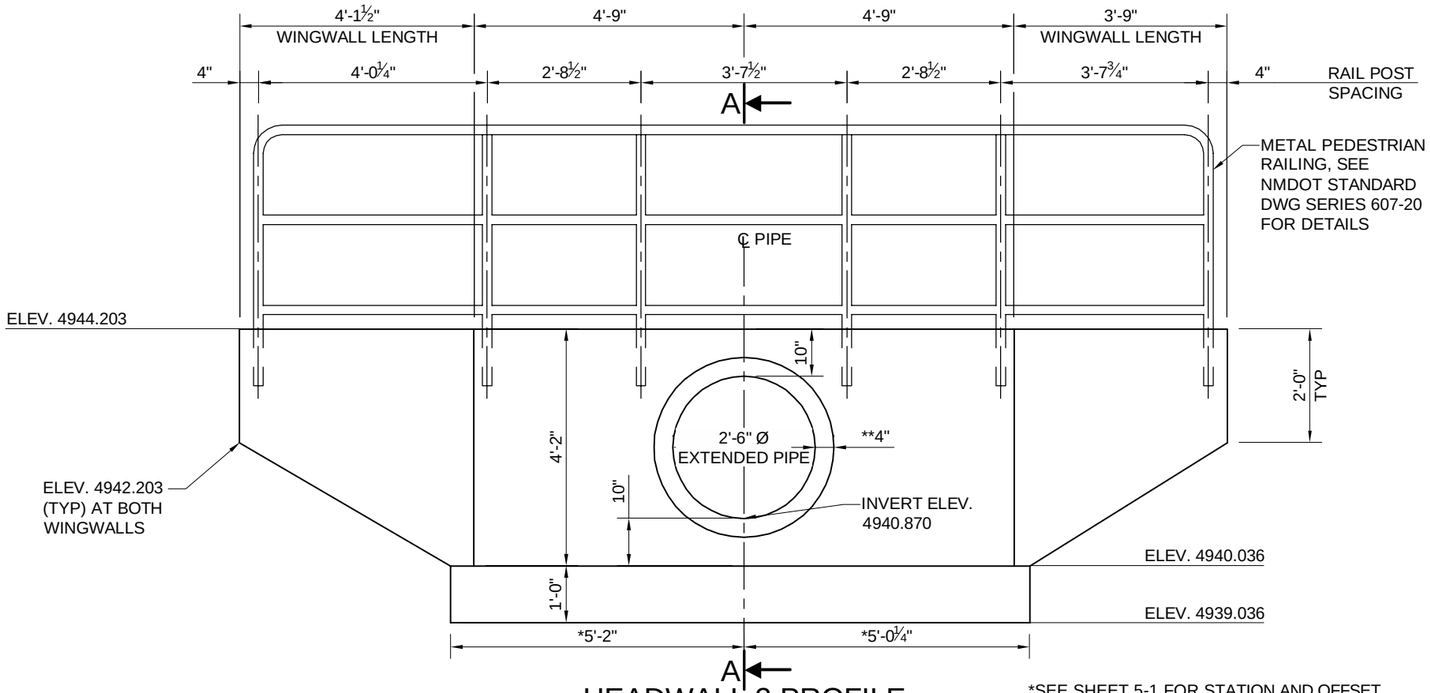
SHEET 5-1 OF

NMDOT CN: A300161

60572657.C:\Users\working\aecom_ds16_no\chris.road@aecom.com\d0118032\S-1 CULVERT STRUCTURE PLAN.dwg PLOTTED: 7/25/19 - 4:47pm chris.road

NOTES:

1. FOR SECTION A-A SEE SHEET 5-4 REINFORCED CONCRETE PIPE PROFILE.
2. WINGWALLS SHALL BE 10" THICK.



HEADWALL 2 PROFILE

SCALE: ⅜" = 1'-0"
(LOOKING AT FRONT FACE OF WALL)

*SEE SHEET 5-1 FOR STATION AND OFFSET OF CORNERS OF HEADWALL AND WINGWALLS
**FIELD VERIFY

REVISIONS	NO	DATE	DESCRIPTION
	6	–	–
	5	–	–
	4	–	–
	3	–	–
	2	–	–
	1	–	–

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60438609

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

ROXANNE B. BLATZ NEW MEXICO 16311 REGISTERED PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Public Works Engineer, Sept. [illegible]

07/25/2019

WOODWARD ROAD IMPROVEMENTS

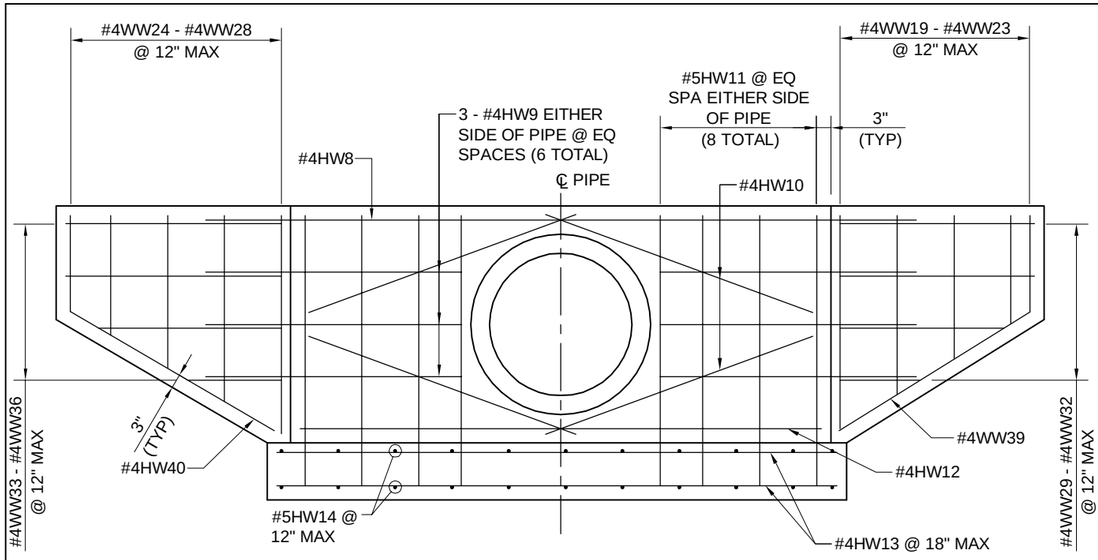
HEADWALL 2 PROFILE

BC PN: TS.2015.WOODWD
ZONE ATLAS: M–14, M–15

SHEET 5-2 OF

NMDOT CN: A300161

605726857: C:\prewriting\aecom_ds16_nm\chris.road@aecom.com\d0116032\5–2 HEADWALL 1 & 2 PROFILE.dwg PLOTTED: 7/25/19 – 4:29pm chris.road



HEADWALL 2 REINFORCING DETAILS

SCALE: $\frac{3}{8}$" = 1'-0"
(LOOKING AT FRONT FACE OF WALL)

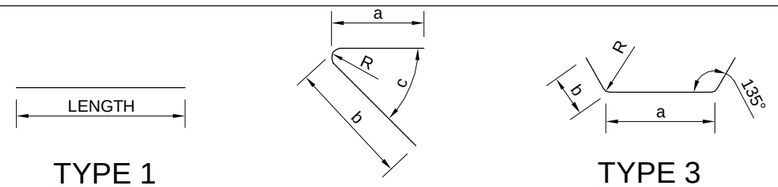
*METAL RAILING OMITTED FOR CLARITY

REINFORCING BARS

HEADWALL 2

MARK	SIZE	TYPE	LENGTH	NO. REQ.	REMARKS
#4HW8	#4	3	12'-6"	1	a = 9'-6", b = 1'-6", R = $1\frac{3}{4}$"
#4HW9	#4	2	4'-6"	6	a = 3'-0", b = 1'-6", c = 45°, R = $1\frac{3}{4}$"
#4HW10	#4	1	5'-0"	4	
#5HW11	#5	1	5'-9"	8	a = 4'-9", b = 1'-0", c = 90°, R = $2\frac{1}{4}$"
#4HW12	#4	2	9'-2"	1	
#4HW13	#4	1	9'-$10\frac{1}{4}$"	6	
#5HW14	#5	1	3'-0"	22	
#4WW19	#4	1	1'-$8\frac{3}{4}$"	1	
THRU	#4	1	5 TOTAL		DECREMENT = 0'-$6\frac{1}{16}$"
#4WW23	#4	1	3'-9"	1	
#4WW24	#4	1	1'-$8\frac{3}{4}$"	1	
THRU	#4	1	5 TOTAL		DECREMENT = 0'-$6\frac{1}{16}$"
#4WW28	#4	1	3'-9"	1	
#4WW29	#4	1	3'-5"	1	
THRU	#4	1	4 TOTAL		DECREMENT = 0'-8"
#4WW32	#4	1	1'-5"	1	
#4WW33	#4	1	3'-$9\frac{1}{2}$"	1	
THRU	#4	1	4 TOTAL		DECREMENT = 0'-$8\frac{1}{2}$"
#4WW36	#4	1	1'-8"	1	
#4WW39	#4	1	4'-0"	1	
#4WW40	#4	1	4'-2"	1	

BAR BENDING DIAGRAM



NOTES:

1. ALL DIMENSIONS ARE MEASURED TO CENTERLINE OF BARS.
2. ALL REBAR SHALL BE REINFORCING BARS GRADE 60.
3. EXCEPT WHERE NOTED, ALL CLEAR DISTANCES SHALL BE 2"
4. SPLICE WINGWALL REINFORCEMENT WITH HEADWALL REINFORCEMENT AS SHOWN. REINFORCEMENT FOR WINGWALL SHALL HAVE 3" MIN CLEAR FROM BACK FACE OF THE WINGWALL FACE.

ROXANNE B. BLATZ
NEW MEXICO
16311
REGISTERED PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and City of Albuquerque Engineer, Signature Baker

07/25/2019

REVISIONS			
	6	–	–
	5	–	–
	4	–	–
	3	–	–
	2	–	–
	1	–	–
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60438609

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

HEADWALL 2 REINFORCING DETAILS

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

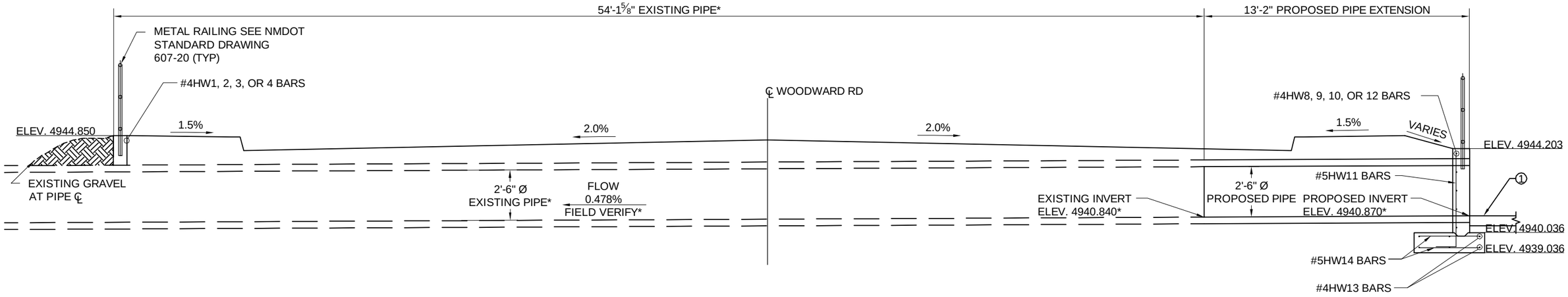
SHEET 5-3 OF

NMDOT CN: A300161

60572657 C:\prworking\aecom_dei16_ra\chris.rossi@aecom.com\d0118032\5-3 HEADWALL 1 & 2 REINFORCING DETAILS.dwg PLOTTED: 7/25/19 - 4:59pm chris.rossi

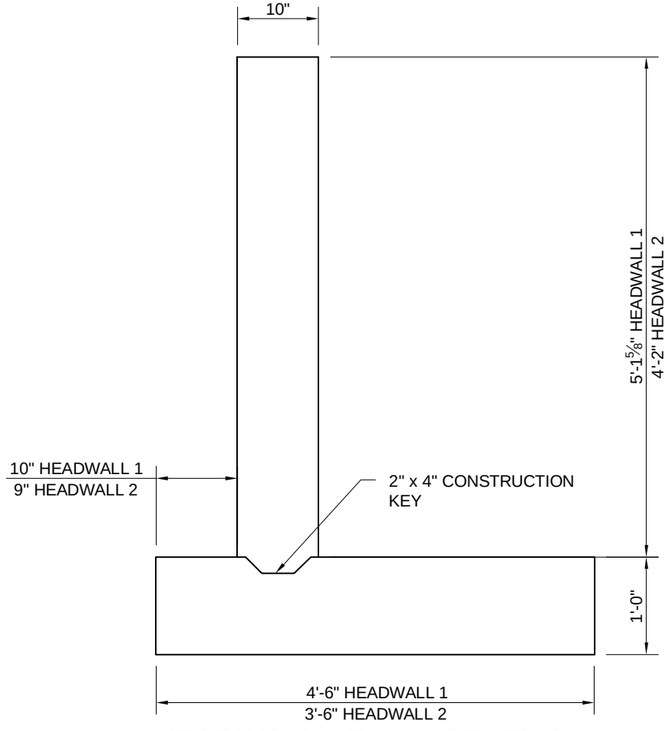
KEYED NOTES

1. CONCRETE APRON PER NMDOT 511-67-1/2, -2/2



SECTION A-A

SCALE: NTS



HEADWALL CROSS-SECTION

SCALE: NTS

NOTES:

1. FOR LOCATION OF SECTION A-A SEE SHEET 5-2 HEADWALL 1 & 2 PROFILE.
2. VERIFY EXISTING DIMENSIONS IN FIELD PRIOR TO FABRICATION AND CONSTRUCTION.
3. FIELD VERIFY EXISTING PIPE DIMENSIONS, INVERT ELEVATIONS, AND CONNECTION DETAILS OF EXISTING PIPE TO NEW PIPE PRIOR TO FABRICATION AND CONSTRUCTION. COORDINATE SLOPE AND ELEVATIONS WITH MRGCD PRIOR TO FABRICATION AND CONSTRUCTION.

ROXANNE B. BLATZ
NEW MEXICO
16311
REGISTERED PROFESSIONAL ENGINEER

Plans approved by Development Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

07/25/2019

REVISIONS	NO	DATE	DESCRIPTION
	6	–	–
	5	–	–
	4	–	–
	3	–	–
	2	–	–
	1	–	–

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60438609

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

REINFORCED CONCRETE PIPE PROFILE & HEADWALL CROSS-SECTION

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 5-4 OF

NMDOT CN: A300161

605726S7.C:\pwworking\aecom_dc18_nm\chris.rossi@aecom.com\d0118032\5-4 REINFORCED CONCRETE PIPE PROFILE.dwg PLOTTED: 7/25/19 - 5:09pm chris.rossi

MOT SHEET INDEX

SHEET NO.	DESCRIPTION	# OF SHEETS	REV. DATE
6-1	MOT SHEET INDEX AND QUANTITIES	1	
6-2	TEMPORARY TRAFFIC CONTROL GENERAL NOTES	1	
6-3	TEMPORARY TRAFFIC CONTROL GENERAL NOTES	1	
6-4	SIGN FACE DETAILS	1	
6-5	CHANNELIZATION DEVICES FOR CONSTRUCTION	1	
6-6	TEMPORARY TRAFFIC MARKINGS FOR CONSTRUCTION	1	
6-7	SEQUENCE OF CONSTRUCTION	1	
6-8 TO 6-10	MOT TYPICAL SECTIONS - NM4	3	
6-11	OVERVIEW - PHASE 1 STAGE 1 DETOUR	1	
6-12	OVERVIEW - PHASE 1 STAGE 1	1	
6-13	OVERVIEW - PHASE 1 STAGE 2	1	
6-14	OVERVIEW - PHASE 2	1	
6-15	OVERVIEW - PHASE 3	1	
6-16	OVERVIEW - PHASE 4	1	
6-17 TO 6-25	MOT PLANS - PHASE 1 STAGE 1	9	
6-26 TO 6-34	MOT PLANS - PHASE 1 STAGE 2	9	
6-35 TO 6-43	MOT PLANS - PHASE 2	9	
6-44 TO 6-52	MOT PLANS - PHASE 3	9	
6-53 TO 6-61	MOT PLANS - PHASE 4	9	
	TOTAL SHEETS	61	

MOT SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QTY.	PHASE 1 STAGE 1	PHASE 1 STAGE 2	PHASE 2	PHASE 3	PHASE 4
702610	PORTABLE CHANGEABLE MESSAGE SIGNS	EACH	2	2	2	-	-	-
704099	TEMPORARY STRIPING	L.F.	8,550	-	2,850	2,850	2,850	-
721000	REMOVAL OF PAVEMENT STRIPE	L.F.	2,850	2,850	-	-	-	-

702810-TRAFFIC CONTROL DEVICES FOR CONSTRUCTION (LUMP SUM)

MOT SUMMARY OF QUANTITIES

ITEM DESCRIPTION	UNIT	PROJECT QTY.	PHASE 1 STAGE 1	PHASE 1 STAGE 2	PHASE 2	PHASE 3	PHASE 4
CONSTRUCTION SIGNING	S.F.	354	339	214	133	133	75
STEEL POSTS AND BASE SUPPORTS FOR CONSTRUCTION SIGNING	L.F.	406	380	315	195	195	117
BARRICADE, TYPE III-8'	EACH	10	10	6	4	4	-
CHANNELIZATION DEVICES TYPE VERTICAL PANEL	EACH	70	20	65	70	65	55
CHANNELIZATION DEVICES TYPE DRUM	EACH	50	45	45	-	-	-

FLAGGERS - FOR CONTRACTORS INFORMATION ONLY			
PHASE 1 STAGE 1	PHASE 1 STAGE 2	PHASE 3	PHASE 4
SIGNS TO BE USED DURING CONSTRUCTION PHASE			
8	8	2	2

SIGN, POST AND DEVICE SCHEDULE - FOR CONTRACTORS INFORMATION ONLY

SIGN CODE	MESSAGE	SIZE (IN.)		SIGN AREA (SQ. FT.)	NO. OF SIGNS	TOTAL SIGN AREA	POST LENGTHS (L.F.)			POST TOTAL (L.F.)	PHASE 1 STAGE 1	PHASE 1 STAGE 2	PHASE 2	PHASE 3	PHASE 4
		L	W				LEFT	CENTER	RIGHT		SIGNS TO BE USED DURING CONSTRUCTION PHASE				
W3-4	BE PREPARED TO STOP	36	36	9	3	27		13		39	X	X			
W20-1-36	ROAD WORK AHEAD	36	36	9	5	45		13		65	X	X	X	X	X
W20-3	ROAD CLOSED AHEAD	36	36	9	2	18		13		26	X				
W20-3-500	ROAD CLOSED 500 FT	36	36	9	1	9		13		13	X				
W20-3-1000	ROAD CLOSED 1000 FT	36	36	9	1	9		13		13	X				
W20-4-36	ONE LANE ROAD AHEAD	36	36	9	2	18		13		26	X	X			
W21-5	SHOULDER WORK	36	36	9	1	9		13		13	X		X	X	
W20-7-48	FLAGGER AHEAD	36	36	9	3	27		14		42	X	X			
G20-2-48	END ROAD WORK	48	24	8	3	24		13		39	X	X	X	X	
W3-5-48-25	SPEED LIMIT 25 AHEAD	36	36	9	2	18		13		26	X	X			
R2-1-36-25	SPEED LIMIT 25	30	36	7.5	2	15		13		26	X	X	X	X	X
R4-7	KEEP RIGHT	30	36	7.5	2	15		13		26					X
R11-4-48	ROAD CLOSED	30	48	10	6	60					X				
R11-2-49	ROAD CLOSED TO THRU TRAFFIC	30	48	10	2	20					X				
R11-NM-2-48	LANE CLOSED	30	48	10	4	40		13		52	X	X	X	X	
PROJECT TOTAL					39	354				406					

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

MOT SHEET INDEX AND QUANTITIES

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-1 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pw\working\aecom...ds16...no\jordan.thompson3@aecom.com\d0118036\A300161CS_01.dwg PLOTTED: 7/25/19 - 11:31am Jordan.Thompson11

TRAFFIC CONTROL GENERAL NOTES:

1. **TRAFFIC CONTROL:** All Temporary Traffic Control (TTC) devices shall be placed in accordance with the NMDOT Standard Specifications for Highway and Bridge Construction (latest edition) and the Manual on Uniform Traffic Control Devices (latest edition) and current revisions with the following constraints:
   a. No substitutions will be allowed for channelization devices type drum unless otherwise noted in the plans.
   b. Temporary portable sign stands are an unnecessary hazard when not in use. Unused temporary sign stands shall be removed from the roadway. If temporary sign stands are staged for future use (approved by the project manager) they shall be folded up and stored away from the paved shoulder.
   c. Use of Type I or II barricades on roadways with speed limit greater than 40 mph is strictly prohibited.
   d. The work zone shall comply with, but not limited to, NCHRP 476 Guidelines for Design and Operation of Nighttime Traffic Control.

2. **BOP AND EOP SIGNING:** BOP and EOP signing in accordance with Standard Drawing 702-03-1/1 and/or 702-04-1/1 shall be placed at the project limits prior to construction operations commencing and shall remain in place throughout the duration of the project or as directed by the Project Manager. Advance warning signs shall be placed at all side streets.

3. **FLAGGING:** Flagging shall be provided for safety per the plan or as directed by the project manager and shall conform to the MUTCD latest edition. The flaggers, applicable signs and other related items shall be considered incidental to the completion of the project and no separate measurement or payment will be made.
   a. All flaggers shall be certified and shall have their certification available for review at all times when on duty.
   b. Flagging operations shall adhere to NCHRP 476 Guidelines for Design and Operation of Nighttime Traffic Control; Flaggers shall wear high-visibility safety apparel that meets Performance Class 2 or 3.

4. **INGRESS AND EGRESS:** The Contractor shall provide ingress and egress to local residences and businesses for the duration of the project. If access closure is required, the contractor shall request the closure through the Project Manager. Upon approval, the Contractor shall coordinate such closure with the property owners and the Project Manager at least 48 hours in advance. All work associated with this shall be considered incidental to the completion of the project and no separate payment or measurement will be made.

5. **PORTABLE CHANGEABLE MESSAGE SIGNS:** The Contractor shall supply Portable Changeable Message Signs (PCMS), which will be retained by the contractor. The message PCMS shall be utilized to convey messages, expected delays, and detours to motorists as required. Messages should be determined by the Contractor and approved by the Project Manager. Two (2) Weeks prior to start of construction: name locations, and number of PCMS to be placed.

6. **TRAFFIC CONTROL PLANS:** This traffic control plan (TCP) represents a suggested method for traffic control during construction. Adjustments to the details of this TCP and requirements within the plan may be necessary due to construction activities, or as directed by the Project Manager. If the contractor elects to make any changes to the TCP or sequence of construction, the Contractor shall submit four (4) 11" X 17" copies of the proposed TCP to the Project Manager at least two (2) weeks prior to implementation. The TCP shall conform to the current editions of the MUTCD, NMDOT Standard Specifications and AASHTO Roadside Design Guide. The TCP shall be in computer drafted format and shall be designed, stamped, and revised as necessary by a current New Mexico Licensed professional engineer and submitted to the Project Manager for approval. All costs associated with developing the TCP and any additional devices associated with the TCP shall be incidental to Item No. 618000, "Traffic Control Management," and no separate measurement or payment will be made, unless otherwise noted in the contract.

7. **PUBLIC INFORMATION:** The Contractor / TCP firm shall contact the Project Manager or District Public Information Officer, as preferred by the district through the district office, to confirm the actual start dates of the construction and the contractor's schedule a minimum of 48 hours before any work listed in the TCP is performed.

8. **REMOVAL OF CONSTRUCTION SIGNING:** All temporary traffic control signs, sign posts and post bases installed with the construction project shall be **REMOVED** by the Contractor at the completion of the project. **Removal shall consist of complete extraction of the bases from the ground.** This work shall be incidental to the completion of the project and no separate measurement or payment will be made.

9. **CONFLICTING SIGNS:** All conflicting signs within or in advance of the work zone shall be covered completely with an opaque non-light transmitting material so as not to damage the sign. The Contractor is to use an approved method of covering existing signs so as not to damage/distort the sign sheeting or markings. The Contractor shall not place tape directly on the face of the sign. Failure to adhere to this requirement will result in the Contractor replacing the sign at no cost to the NMDOT.

10. **TEMPORARY STRIPING:** The use of black paint to cover existing lane lines or symbols is strictly prohibited. All temporary striping shall be placed before opening any work zone or portion of a work zone in accordance with the MUTCD and the approved traffic control plan. This work shall be included in Item No. 704100, "Removable Marking Tape" and no separate measurement or payment will be made, unless otherwise noted in the contract.

11. **CONSTRUCTION SIGNING:** All construction signing shall meet retroreflectivity requirements listed in section 702.2.1 "Construction Signing" of the NMDOT Standard Specifications.
   a. All construction signing on the interstate and on high speed (greater or equal to 45 MPH) multilane divided facilities shall be double indicated (left and right shoulders).
   b. All signs that are part of work zone that are in place for more than 3 days shall be placed on breakaway posts. If there are physical restrictions at the site that prohibit the sign from being placed on posts, the Contractor shall notify the District Traffic Engineer and obtain a waiver.
   c. All warning and regulatory signs shall meet the following size requirements:

Interstate:	Warning sign 48"x48"	Regulatory 48"x60"
Non-Interstate:	Warning sign 36"x36"	Regulatory 36"x42"

   d. The following reflectivity material shall be used on all construction signing placed on NMDOT roadways.

SIGN	SIGN CODE	COLOR	LETTER SHEETING	BACKGROUND SHEETING
APPROACH SIGNS	W20-XX	BLK/FLUORESCENT ORANGE	———	TYPE VIII, IX, XI
CHEVRONS	W1-8	BLK/FLUORESCENT ORANGE	———	TYPE VIII, IX, XI
CURVES	W1-2	BLK/FLUORESCENT ORANGE	———	TYPE VIII, IX, XI
REVERSE CURVE	W1-4	BLK/FLUORESCENT ORANGE	———	TYPE VIII, IX, XI
MERGE	W4-1	BLK/FLUORESCENT ORANGE	———	TYPE VIII, IX, XI
NO PASSING ZONE	W14-3	BLK/FLUORESCENT ORANGE	———	TYPE VIII, IX, XI
FLAGGER PADDLE	———	BLK/FLUORESCENT ORANGE on Side 1with RED on Side 2	———	TYPE VIII, IX, XI Type IV White
ALL DRUMS	———	WHITE/ FLUORESCENT ORANGE	———	TYPE VIII, IX, XI Type IV white
All Other Const. Signs	———	BLK/FLUORESCENT ORANGE	———	TYPE VIII, IX, XI

12. **REMOVAL OF TEMPORARY STRIPING:** All relevant temporary striping shall be removed upon completion of each phase of construction. The only approved method of stripe removal is water blasting. The contractor is to ensure that there is no conflicting striping through the work zone or through detours. This work shall be included in Item No. 618000, "Traffic Control Management," and no separate measurement or payment will be made, unless otherwise noted in the contract.

13. **SATISFACTORY WORKING CONDITION:** All traffic control devices used on this project shall be in satisfactory working condition and shall function equivalently to new equipment in accordance with the MUTCD (latest edition). Traffic Control work zone shall comply with requirements of FHWA 23CFR 630 Subpart K for traffic control devices. At the beginning of the project 100% of signs/devices shall be in acceptable condition (new or like new). After 2 weeks at no time shall less than 75% of devices be in acceptable condition. All traffic devices shall be kept clean throughout the duration of the project. Any sign that is tagged by graffiti shall be cleaned (as long as it does not affect the reflective sheeting) within 24 hours or removed and replaced.

14. **TRAFFIC CONTROL FIELD ADJUSTMENTS:** Location of device spacing shall be field verified to account for existing roadway features which may obstruct placement and/or view of devices. Any changes to the traffic control plan should be approved by the District Traffic Engineer or his/her designee. All field adjustments of signs should be approved by the District Traffic Engineer. This work shall be considered incidental to Item No. 618000 "Traffic Control Management" and no additional measurement or payment will be made, unless noted in the contract.

15. **PEDESTRIANS:** Routes/paths shall not be closed without providing a detour. ADA requirements shall be adhered to; ADA compliant devices shall be used for channelization.

16. **BICYCLES:** Shall be accommodated or rerouted per MUTCD recommendations.

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

NO.	DATE	REV. BY	DESCRIPTION
2	3/2/2017	DRB	REVISE NOTE 2
1	3/2/2017	DRB	REVISE NOTE 7

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

TEMPORARY TRAFFIC CONTROL
GENERAL NOTES

APPROVED: Afshin (DESIGN ENGINEER) DATE: 3/2/17

DESIGNED BY: DRAWN BY: CHECKED BY:

702-01-1/5 SHEET 6-2 OF

DESIGNED BY: DRAWING SCALE: NMDOT CN: A300161

60572657 C:\prworking\wecom_da16_nt\jordan.thompson30wecom.com\d0118036\A300161CS_02.dwg PLOTTED: 7/25/19 - 11:31am Jordan.Thompson11

TRAFFIC CONTROL GENERAL NOTES (CONTINUED):

17. **TEMPORARY CONCRETE WALL BARRIER (CWB):** When flaring the leading end of a Temporary Wall Barrier (CWB) within a construction work zone, the flare rate shall be done in accordance with the rates shown in the table below: (NMDOT Standard Drawing 606-20-5/5)

Roadway Speed Limit	Minimum Taper/ Flare Rate	Desirable Taper/ Flare Rate
Less than 45 MPH	8:1	18:1
Between 45 MPH and 55 MPH	10:1	24:1
Greater than 55 MPH	15:1	30:1

a. When temporary wall barrier is placed in a construction work zone, a 5' clear area is required between the CWB and the work zone to accommodate barrier deflection. When a 5' clear area is not attainable, CWB shall be anchored to the pavement surface.

b Temporary CWB shall be provided with reflective barrier delineators as indicated in NMDOT standard drawing 606-21-1/1.

18. **CRASH ATTENUATORS:** The crash cushion attenuators shall be designed as per the District Traffic Engineer's recommendations. The District may elect to either utilize the pre-construction posted speed, or the 85% speed in the layout of the crash cushion attenuators within the work zone.

19. **DROP OFF POLICY:** In the areas of pavement operations or other activities within the traveled way and adjacent to the existing traveled lane, the contractor shall assure that no pavement drop-offs are left exposed during non-working hours. The contractor shall initiate corrective means as per "the New Mexico Department of Transportation Pavement Drop-off Guideline" to achieve a minimum 6:1 slope between traveled lanes and a minimum 3:1 slope adjacent to the existing traveled lane with two 11foot driving lanes as shown in the detail below. (AD241)

20. **Lane Closures:** The Contractor/TCP firm shall not place a lane closure taper along a horizontal curve. The taper shall be placed in advance of the horizontal curve so that it is visible to all oncoming traffic. On crest vertical curves, the Contractor/TCP firm shall place lane closures in advance of, or at the beginning of the curve to enhance visibility of the lane closure to oncoming traffic.

21. **Sequential Arrow Display:** Placement of the sequential arrow shall be at or near the beginning of the lane closure taper. In areas of insufficient pavement width, the sequential arrow may be placed within the taper, but not to exceed ½ the taper length. In all cases, the sequential arrow shall be placed behind the channelization devices. The shoulder shall be closed in advance of the merging taper to direct vehicular traffic to remain within the traveled way. (MUTCD 6F.61)

22. **ADDITIONAL SIGNS:** "BUMP", "LOOSE GRAVEL", "LANE DROP-OFF SIGN" sign placement: The contractor shall place W8-1 sign ("BUMP" - B/FO), W8-7 sign ("LOOSE GRAVEL" - B/FO) and/or W8-17 signs ("SHOULDER DROP-OFF" - B/FO) in advance of bridge approaches or other locations during cold milling and overlay operations as needed or as directed by the project manager.

23. **CLEAR ZONE:** All stationary objects within clear zone shall be properly shielded and outlined with drums mounted with Type "A" warning lights. Use of vertically mounted retro-reflective material in lieu of a Type A warning light is strictly prohibited.

a. Equipment, materials, or vehicles stored within Right -of-way (ROW) shall be outside of clear zone (based on existing posted speed).

b. Equipment, material or vehicles stored within clear zone shall be properly shielded.

c. Materials, work activities, equipment, and vehicles shall not be stored within the established buffer space of the project work zone.

d All construction equipment, vehicles and materials shall remain behind traffic control devices.

24. **TRAFFIC CONTROL MANAGEMENT:** The contractor or the traffic Control Subcontractor shall provide a Traffic Control Supervisor on site during working hours for response within 1 hour to traffic control issues/concerns.

25. **INCIDENT MANAGEMENT:** Contractor is required to comply with requirements of FHWA CFR 630 Subpart J for Work Zone Safety and Mobility which shall include an Incident Management Plan to be utilized for the entire duration of the project. The Incident Management Plan shall contain a method to address traffic flow through the work zone during incidents. The Incident Management Plan must be reviewed and approved by the District Traffic Engineer. The plan shall contain the following as a minimum:

a. Contacts for the contractor, local enforcement, safety agencies, municipal agencies, public information officer and NMDOT

b. Steps to be followed during incidents

c. Method of recording and reporting incidents

26. **LIST OF INCIDENTALS - No Additional Payment Associated**

LIST OF INCIDENTALS for Temporary Traffic ControlA MAINTENANCE OF TEMPORARY PAVEMENT MARKINGS FOR PROJECT DURATION

	LIST OF INCIDENTALS for Temporary Traffic Control
A.	MAINTENANCE OF TEMPORARY PAVEMENT MARKINGS FOR PROJECT DURATION

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

NO.	DATE	REV BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

TEMPORARY TRAFFIC CONTROL
GENERAL NOTES

APPROVED: Afshin Shahdad DESIGN ENGINEER DATE 12/10/15

DESIGNED BY: DRAWN BY: CHECKED BY:

702-01-2/5 SHEET 6-3 OF

DESIGNED BY: DRAWING SCALE: NMDOT CN: A300161

60572657 C:\pw\working\ecom_dr16_ca\jordan.thompson39\ecom.com\d0118036\A300161CS_03.dwg PLOTTED: 7/25/19 – 11:31am Jordan.Thompson11

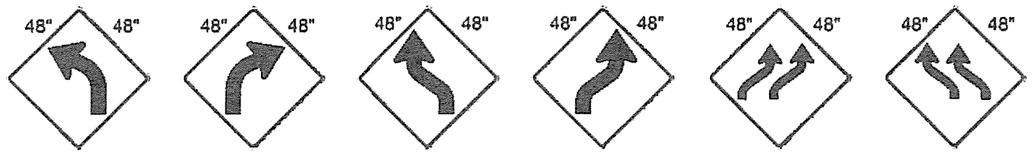
SIGN FACE DETAILS

FOR CONSTRUCTION / MAINTENANCE

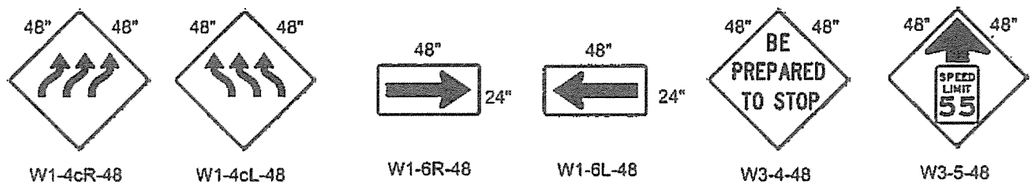
1. SIGNS SHALL MEET SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL AND CURRENT EDITION OF THE MUTCD.
2. SEE CURRENT EDITION OF MUTCD FOR ADDITIONAL SIGNS.
3. ALL SIGNS SHALL COMPLY WITH SHEETING REQUIREMENTS AS SPECIFIED IN STANDARD DRAWING 702-01-3/3.
4. SIGN SIZES MAY BE ADJUSTED PER MUTCD RECOMMENDATIONS.

WARNING SIGNS:

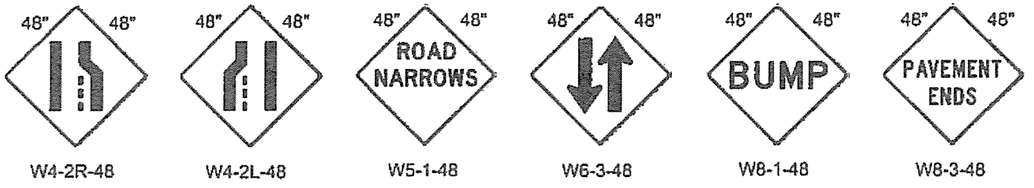
ALL WARNING SIGNS ARE BLACK/FLUORESCENT ORANGE UNLESS OTHERWISE SPECIFIED.



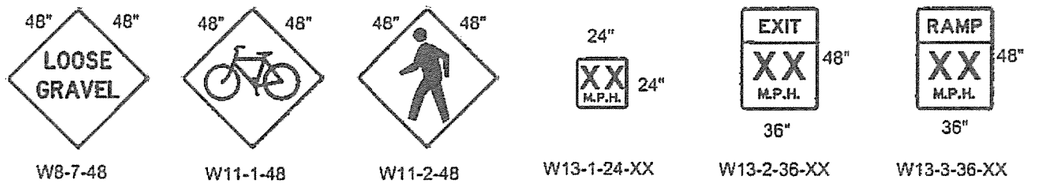
W1-2L-48 | W1-2R-48 | W1-4L-48 | W1-4R-48 | W1-4bR-48 | W1-4bL-48



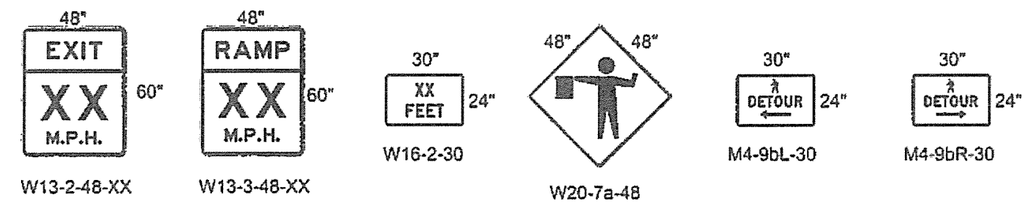
W1-4cR-48 | W1-4cL-48 | W1-6R-48 | W1-6L-48 | W3-4-48 | W3-5-48



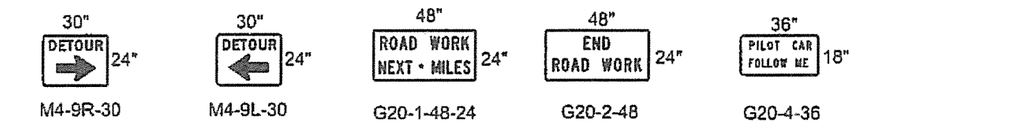
W4-2R-48 | W4-2L-48 | W5-1-48 | W6-3-48 | W8-1-48 | W8-3-48



W8-7-48 | W11-1-48 | W11-2-48 | W13-1-24-XX | W13-2-36-XX | W13-3-36-XX

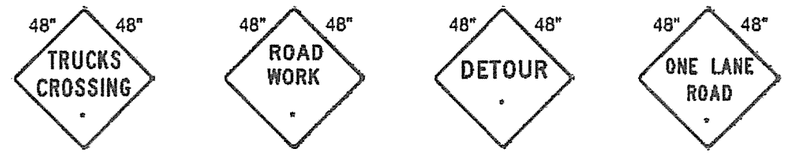


W13-2-48-XX | W13-3-48-XX | W16-2-30 | W20-7a-48 | M4-9bL-30 | M4-9bR-30

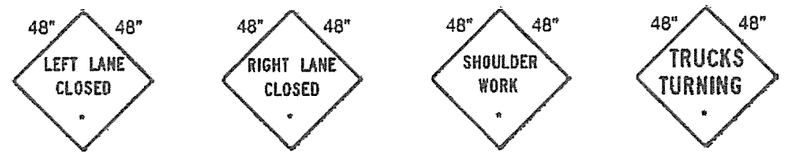


M4-9R-30 | M4-9L-30 | G20-1-48-24 | G20-2-48 | G20-4-36

* THESE SIGNS REQUIRE APPROPRIATE DISTANCE INDICATION
(½ MILE, 1 MILE, 1500 FT., 750 FT., 500 FT., 350 FT.)

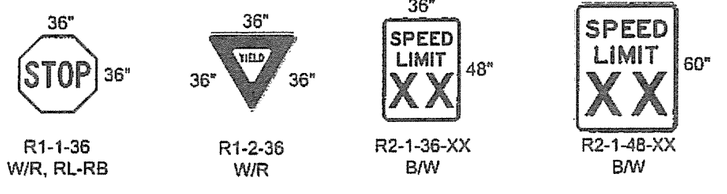


W8-6-48-XX | W20-1-48-XX | W20-2-48-XX | W20-4-48-XX

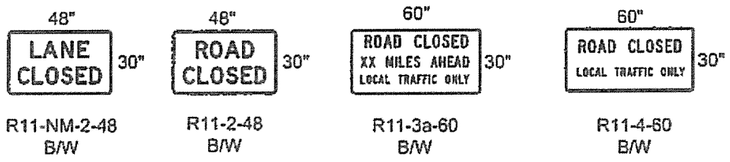


W20-5L-48-XX | W20-5R-48-XX | W21-5d-48-XX | W24-NM-17-48-XX

REGULATORY SIGNS:

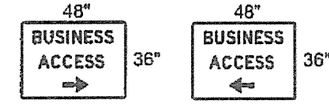


R1-1-36 W/R, RL-RB | R1-2-36 W/R | R2-1-36-XX B/W | R2-1-48-XX B/W



R11-NM-2-48 B/W | R11-2-48 B/W | R11-3a-60 B/W | R11-4-60 B/W

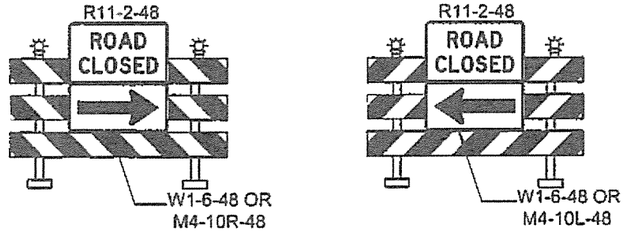
SPECIAL SIGNS:

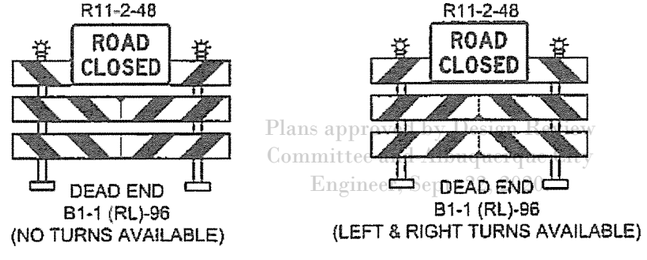


SP-10R-48 W/B, RB/RL | SP-10L-48 W/B, RB/RL

8 FT. TYPE III BARRICADES

BARRICADE SYMBOL





NO.	DATE	REV BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

CONSTRUCTION & MAINTENANCE
SIGN FACE DETAILS

APPROVED: Ashin D... DESIGN ENGINEER 12/10/15 DATE

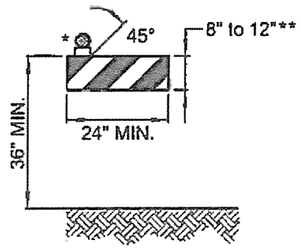
DESIGNED BY: DRAWN BY: CHECKED BY:

702-01-3/5 | SHEET 6-4 OF

DESIGNED BY: DRAWING SCALE: NMDOT CN: A300161

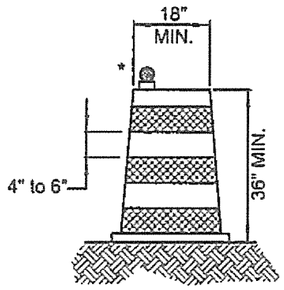
Plans approved by Design Review Committee
Engineer Secretary

60572657 C:\pwworking\secom_ds16_nt\jordan.thompson30\secom.com\d0118035\A300161CS_04.dwg PLOTTED: 7/25/19 - 11:31am Jordan.Thompson11

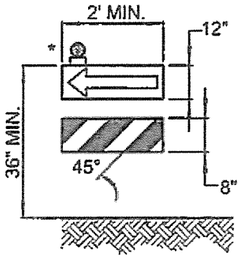


TYPE I BARRICADE *,**

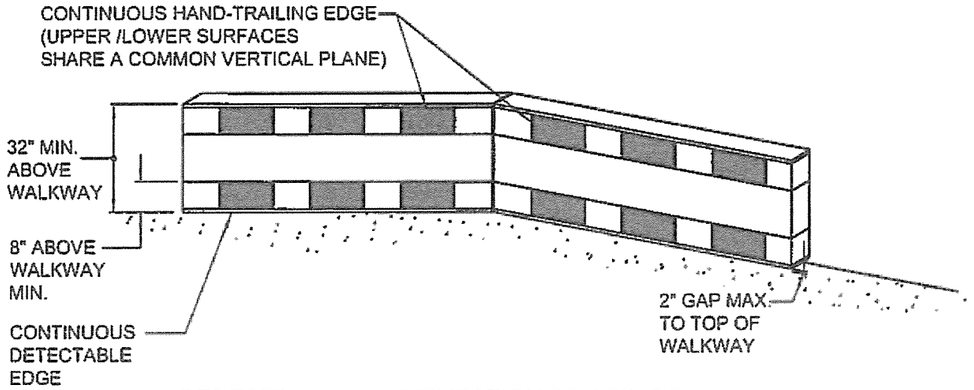
LOW SPEED ROADWAY (≤ 40 MPH)



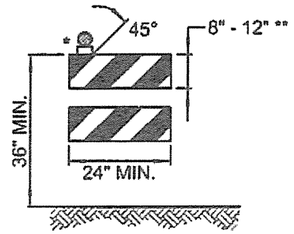
DRUM*



DIRECTION INDICATOR BARRICADE *,**

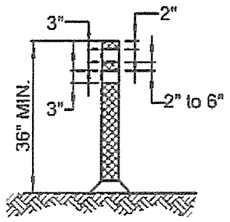


PEDESTRIAN CHANNELIZATION DEVICE (PCD)

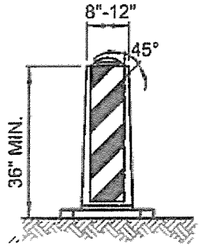


TYPE II BARRICADE ***

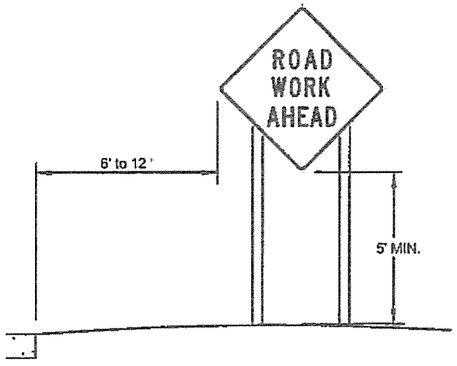
LOW SPEED ROADWAY (≤ 40 MPH)



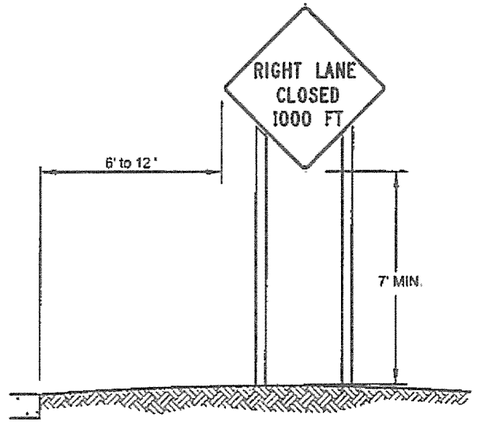
TUBULAR MARKERS



VERTICAL PANEL ***

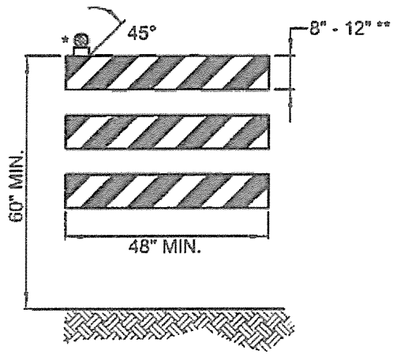


RURAL AREA

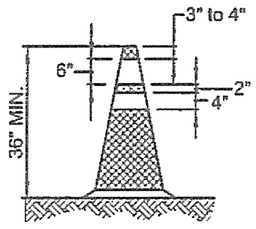


BUSINESS, COMMERCIAL, OR RESIDENTIAL AREA
(WITHOUT CURB)

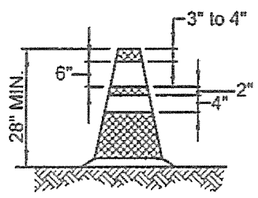
HEIGHT AND LATERAL LOCATIONS OF SIGNS - TYPICAL INSTALLATIONS



TYPE III BARRICADE *,**



NIGHT AND/OR FREEWAY
HIGH SPEED ROADWAY
(≥ 45 MPH)



DAY AND LOW
SPEED ROADWAY
(≤ 40 MPH)

CONES

NOTE:
ALL DEVICES USED ON NMDOT ROADWAYS SHALL BE ON THE APPROVED PRODUCTS LIST.

* WARNING LIGHT (OPTIONAL)

** NOMINAL LUMBER DIMENSIONS ARE SATISFACTORY FOR BARRICADE RAIL WIDTH DIMENSIONS.

*** RAIL STRIPE WIDTHS SHALL BE 6 INCHES. EXCEPTION: WHERE RAIL LENGTHS ARE LESS THAN 36 INCHES. THEN 4 INCH WIDE STRIPES MAY BE USED.

THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES. VERTICAL PANELS AND BARRICADES USED ON HIGH-SPEED ROADWAYS, EXPRESSWAYS, AND FREEWAYS SHALL HAVE A MINIMUM OF 270 SQUARE INCHES OF RETROREFLECTIVE AREA FACING TRAFFIC.

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

CHANNELIZATION DEVICES FOR CONSTRUCTION, MAINTENANCE, UTILITY & INCIDENT MANAGEMENT OPERATIONS

APPROVED: DESIGN ENGINEER — DATE: 11/3/15

DESIGNED BY: DRAWN BY: CHECKED BY:

702-01-4/5

SHEET 6-5 OF

DESIGNED BY: DRAWING SCALE: NMDOT CN: A300161

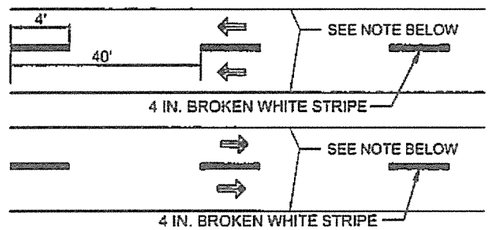
605726S7 C:\pwworking\secom_ds16_nc\jordan.thompson39\secom.com\d0118036\A300161CS_05.dwg PLOTTED: 7/25/19 - 11:31am Jordan.Thompson11

FIGURE 1

SHORT TERM WORK ZONE INTERIM MARKINGS (IN PLACE FOR LESS THAN 14 CALENDAR DAYS) (MINIMUM OF 2 COATS OR AS DIRECTED BY THE PROJECT MANAGER)

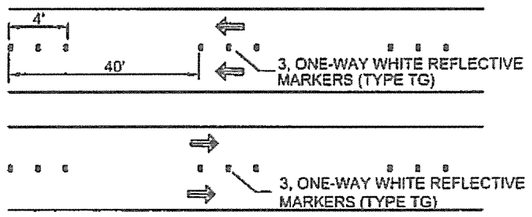
4 LANE DIVIDED ROADWAY

PAINTED MARKINGS OR MARKING TAPE



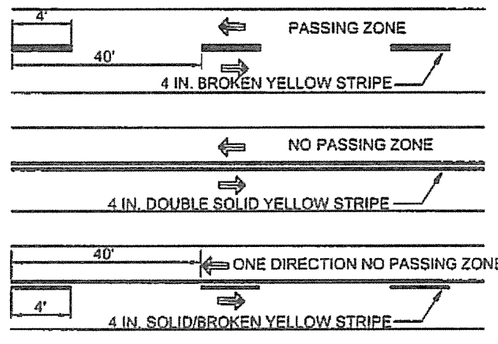
NOTE: EDGE LINES SHALL BE ADDED AS SHOWN IN THE CONSTRUCTION SIGNING PLANS.

TEMPORARY REFLECTIVE RAISED PAVEMENT MARKERS



2 LANE TWO-WAY ROADWAY

PAINTED MARKINGS OR MARKING TAPE



TEMPORARY REFLECTIVE RAISED PAVEMENT MARKERS

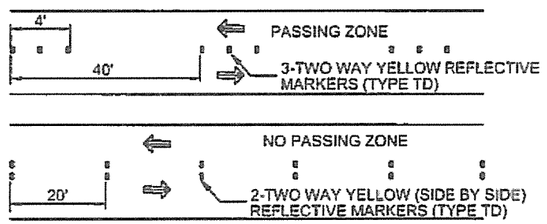
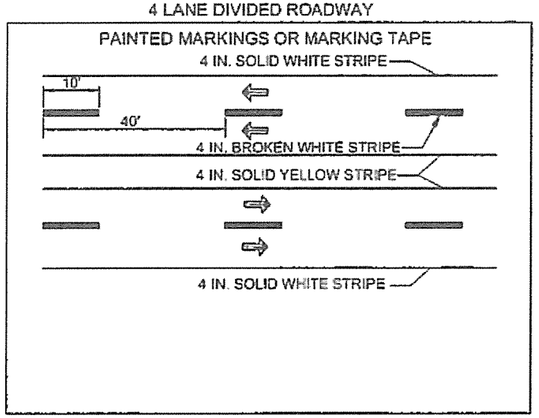


FIGURE 1A

STANDARD WORK ZONE INTERIM MARKINGS (IN PLACE FOR 14 CALENDAR DAYS OR MORE) (MINIMUM OF 2 COATS OR AS DIRECTED BY THE PROJECT MANAGER)

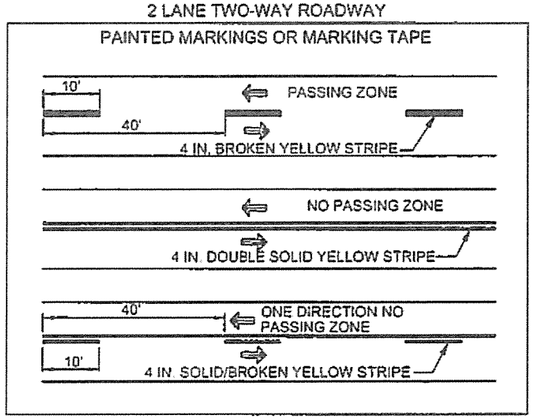
4 LANE DIVIDED ROADWAY

PAINTED MARKINGS OR MARKING TAPE



2 LANE TWO-WAY ROADWAY

PAINTED MARKINGS OR MARKING TAPE



GENERAL NOTES

WORK ZONE INTERIM MARKINGS:

1. The contractor shall place reflectorized painted markings on each lane line on each intermediate lift of surfacing or milled surface at the end of the daily surfacing or milling operation. These markings shall be placed in accordance with Figure 1 or Figure 1 A on this sheet, or as directed by the Project Manager.

2. In the event the painted markings cannot be placed as described above, the contractor shall, with the approval of the project manager, place marking tape or temporary reflective raised pavement markers. The contractor will be responsible for maintaining the temporary raised pavement markers when requested by the project manager, District Traffic Engineer or their designees. maintenance of the tabs will be considered incidental to the completion of the project.

3. The contractor shall place removable marking tape or temporary reflective raised pavement markers after placement of the final lift of surfacing if permanent markings are not placed during the same working day. These markings shall be placed in accordance with Figure 1 or Figure 1 A on this sheet, or as directed by the project manager.

4. On roadways with sever curvature, broken-line interim markings with half-cycle lengths and a minimum of two foot (2') stripes or a group of two temporary reflective pavement markings spaced 2 feet apart may be used were passing is allowed. Interim edge lines or channelization lines for delineation may be used as needed or as directed by the project manager. Passing/ no passing zone signing to supplement interim markings for delineation may be used as needed or as directed by the project manager. All interim markings shall be placed in accordance with the current edition of the MUTCD.

5. Shoulder and gore area delineation will be required on each intermediate lift of surfacing or milled surface at the end of the day's pavement operation. Payment for marking tape or temporary pavement markings will be paid for under the unit priced of reflectorized painted markings, unless otherwise specified within the contract or Traffic Control Notes. Contractor may substitute edge line pavement marking with traffic control devices such as drums or vertical panels for a maximum 13 day period.

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

TEMPORARY TRAFFIC MARKINGS FOR CONSTRUCTION

APPROVED _____ DESIGN ENGINEER _____ DATE 10/3/15

DESIGNED BY ___ DRAWN BY ___ CHECKED BY ___

702-01-5/5

SHEET 6-6 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\ecom_ds16_ne\jordan.thompson39\ecom.com\d0118035\A300161GS_06.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11

SEQUENCE OF CONSTRUCTION:

NOTE:THE CONSTRUCTION SEQUENCE DESCRIBED BELOW IS BASED ON THE CURRENT PROJECT SCHEDULING WHICH HAS BERNALILLO COUNTY PROJECT, 2018-0070, WOODWARD ROAD IMPROVEMENTS STARTING CONSTRUCT PRIOR TO THE START OF BERNALILLO COUNTY PROJECT TS.2009.SUNPORT, SUNPORT BOULEVARD IMPROVEMENTS. THE CONTRACTOR SHALL CONFIRM THIS PROJECT SCHEDULING AND COORDINATE CONSTRUCTION SEQUENCING AND TRAFFIC CONTROL BETWEEN THE TWO PROJECTS AS APPROPRIATE.

PHASE 1 STAGE 1 (2ND STREET RECONSTRUCTION, WOODWARD RR WORK)

PRIOR TO BEGINNING CONSTRUCTION, INSTALL ALL ADVANCE PROJECT SIGNS. PLACE B.O.P /E.O.P SIGNS AS SHOWN ON STD. DWG 702-03-1/1.

PLACE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TWO WEEKS PRIOR TO WORK BEGINNING OR AS DIRECTED BY THE PROJECT MANAGER TO INFORM THE TRAVELING PUBLIC OF UPCOMING CONSTRUCTION ACTIVITIES AND EXPECTED DELAYS. SEE PLAN SHEETS FOR LOCATIONS OF PCMS AND RECOMMENDED MESSAGES.

* CLOSE WOODWARD ROAD AT RAILROAD CROSSING BY ALLOWING LOCAL TRAFFIC ONLY ON WOODWARD ROAD.

* CONSTRUCT RAILROAD RELATED WORK PER 16-SERIES.

* CONSTRUCT RAILROAD GRADE CROSSING SIGNALS AND ASSOCIATED EQUIPMENT.

IMPLEMENT DETOUR PLAN FOR TRAFFIC ON WOODWARD ROAD PER DETOUR PLAN SHEET 6-11.

CONSTRUCT PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET BY IMPLEMENTING ONE LANE, TWO WAY TRAFFIC. TRAFFIC WILL BE CONTROLLED BY FLAGGERS 24-HOURS PER DAY, 7 DAYS PER WEEK.

SHIFT TRAFFIC ONTO EXISTING NORTHBOUND LANE BY UTILIZING ONE-LANE/TWO-WAY FLAGMAN OPERATIONS. SEE PHASE 1A TYPICAL SECTION ON SHEET 6-12 FOR LANE WIDTHS AND SHOULDERS

PHASE 1 STAGE 2 (2ND STREET RECONSTRUCTION, DETOUR PAVING ON WOODWARD RD)

RETAIN ADVANCE PROJECT SIGNS; BOP AND EOP SIGNS FROM PHASE 1 STAGE 1.

PLACE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TWO WEEKS PRIOR TO WORK BEGINNING OR AS DIRECTED BY THE PROJECT MANAGER TO INFORM THE TRAVELING PUBLIC OF UPCOMING CONSTRUCTION ACTIVITIES AND EXPECTED DELAYS. SEE PLAN SHEETS FOR LOCATIONS OF PCMS AND RECOMMENDED MESSAGES.

CONSTRUCT PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET BY IMPLEMENTING ONE LANE, TWO WAY TRAFFIC. TRAFFIC WILL BE CONTROLLED BY FLAGGERS 24-HOURS PER DAY, 7 DAYS PER WEEK.

CONSTRUCT 3” MINIMUM DEPTH DETOUR PAVING ON THE NORTH SIDE OF EXISTING WOODWARD RD. TRAFFIC ON WOODWARD ROAD WILL CONTINUE ON EXISTING PAVEMENT

PHASE 2 (WOODWARD RECONSTRUCTION)

RETAIN ADVANCE PROJECT SIGNS, BOP AND EOP SIGNS FROM PHASE 1B.

PLACE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TWO WEEKS PRIOR TO WORK BEGINNING OR AS DIRECTED BY THE PROJECT MANAGER TO INFORM THE TRAVELING PUBLIC OF UPCOMING CONSTRUCTION ACTIVITIES, TRAFFIC SHIFT AND EXPECTED DELAYS. SEE PLAN SHEETS FOR LOCATIONS OF PCMS AND RECOMMENDED MESSAGES.

SHIFT TRAFFIC ONTO NORTH SIDE OF WOODWARD RD BY UTILIZING DETOUR PAVEMENT CONSTRUCTED IN PHASE 1 STAGE 2. SEE PHASE 2 TYPICAL SECTION ON SHEET 6-9 FOR LANE WIDTHS AND SHOULDERS.

CONSTRUCT ROADWAY RECONSTRUCTION ON SOUTHSIDE OF WOODWARD RD

PHASE 3 (WOODWARD RECONSTRUCTION, WILLIAMS ST. CLOSURE)

RETAIN ADVANCE PROJECT SIGNS, BOP AND EOP SIGNS FROM PHASE 2.

PLACE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TWO WEEKS PRIOR TO WORK BEGINNING OR AS DIRECTED BY THE PROJECT MANAGER TO INFORM THE TRAVELING PUBLIC OF UPCOMING CONSTRUCTION ACTIVITIES, TRAFFIC SHIFT AND EXPECTED DELAYS. SEE PLAN SHEETS FOR LOCATIONS OF PCMS AND RECOMMENDED MESSAGES.

SHIFT TRAFFIC ONTO SOUTH SIDE OF WOODWARD RD BY UTILIZING NEWLY BUILT ROADWAY SECTION IN PHASE 2. SEE PHASE 2 TYPICAL SECTION ON SHEET 6-10 FOR LANE WIDTHS AND SHOULDERS.

CLOSE WILLIAMS ST FOR TRAFFIC EXITING WILLIAM ST ON TO WOODWARD RD.

CONSTRUCT ROADWAY RECONSTRUCTION ON NORTHSIDE OF WOODWARD RD INCLUDING WORK ON WILLIAM ST

PHASE 4 (MISCELLANEOUS WORK ON WOODWARD RD)

RETAIN ADVANCE PROJECT SIGNS, BOP AND EOP SIGNS FROM PHASE 2.

PLACE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TWO WEEKS PRIOR TO WORK BEGINNING OR AS DIRECTED BY THE PROJECT MANAGER TO INFORM THE TRAVELING PUBLIC OF UPCOMING CONSTRUCTION ACTIVITIES, TRAFFIC SHIFT AND EXPECTED DELAYS. SEE PLAN SHEETS FOR LOCATIONS OF PCMS AND RECOMMENDED MESSAGES.

PROVIDE TRAFFIC ON WOODWARD RD BY UTILIZING NEWLY BUILT ROADWAY SECTIONS FROM PREVIOUS PHASES. SEE PLAN SHEETS FOR LANE CONFIGURATIONS.

CONSTRUCT MEDIANS WHERE NEEDED ON WOODWARD RD. SEE ROADWAY PLAN SHEETS FOR LOCATIONS.

PLACE PAVEMENT MARKINGS, STRIPING AND SIGNING PER 7-SERIES SHEETS PRIOR TO REMOVING B.O.P /E.O.P AND ADVANCE PROJECT SIGNING

* THE CONTRACTOR TO COORDINATE WITH PROJECT MANAGER REGARDING THE SCHEDULE FOR RAILROAD WORK TO AVOID CONFLICTS WITH SEASONAL RAILROAD TRAFFIC. PLANS SHOW THAT THE RAILROAD WORK OCCURS DURING PHASE 1 STAGE 1, HOWEVER, SUCH WORK MAY HAPPEN AT A LATER PHASE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TRAFFIC CONTROL THAT MEETS CURRENT NMDOT STANDARDS AND SPECIFICATION TO FACILITATE RAILROAD WORK. MAINTAIN LOCAL TRAFFIC ON WOODWARD ROAD AT ALL TIMES

SURESH PARVATOJA NEW MEXICO 17910 REGISTERED PROFESSIONAL ENGINEER

8/11/20

Plans approved by Development Review Committee and Albuquerque City Engineer, [illegible] 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
SEQUENCE OF CONSTRUCTION

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

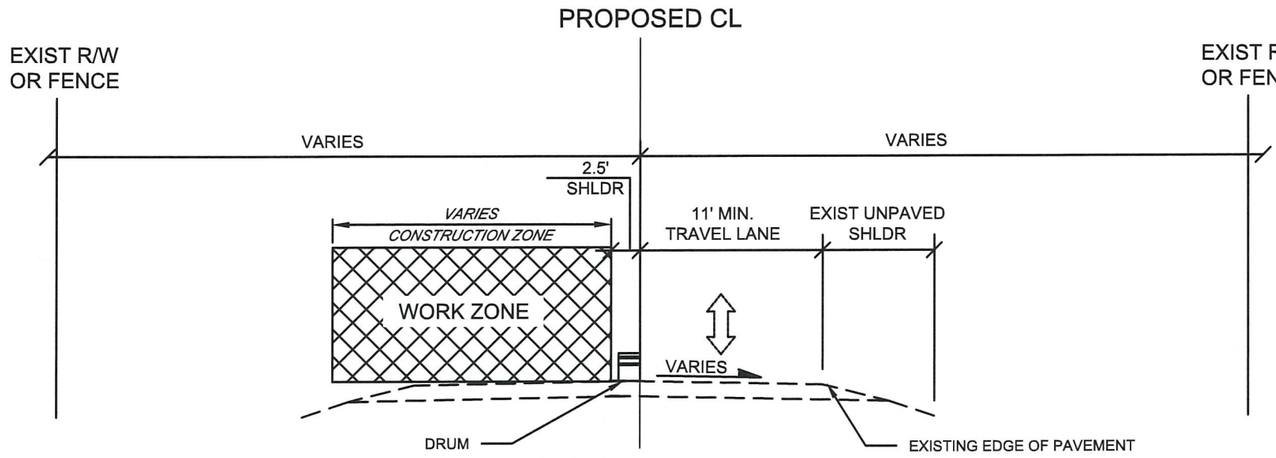
SHEET **6-7** OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657; C:\pwworking\aecom_da16_nd\chris.rosol@aecom.com\d0118036\A300161CS_07.dwg PLOTTED: 8/11/20 – 11:45am chris.rosol

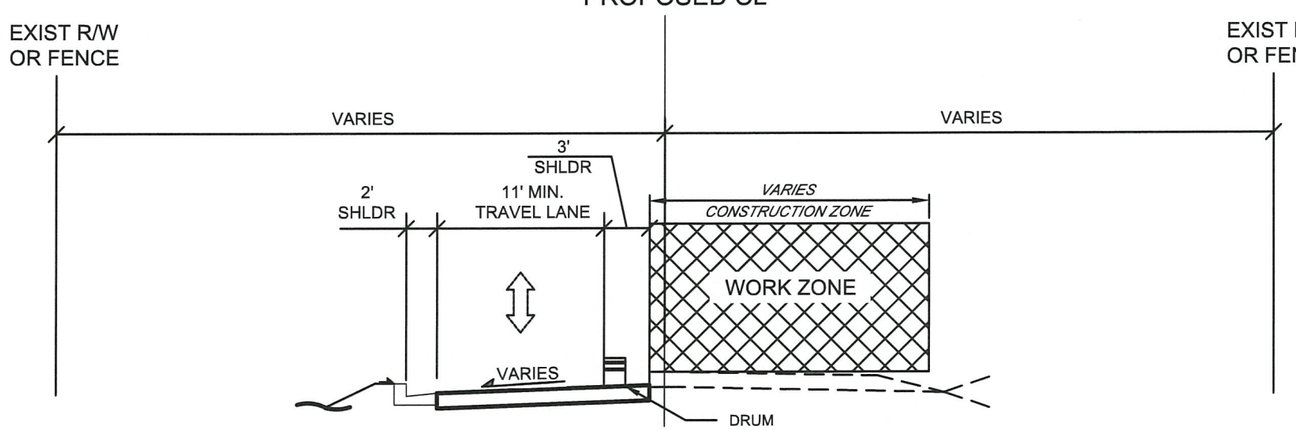


PHASE 1 STAGE 1
MOT TYPICAL SECTION - 2ND STREET
STA 202+00 TO STA 214+15 (PROPOSED ALIGNMENT)

DESCRIPTION OF PHASE 1 STAGE 1 MOT
STA 202+00 TO STA 214+15

ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS.

CHANNELIZATION DEVICES WILL BE PLACED PER PLANS.



PHASE 1 STAGE 2
MOT TYPICAL SECTION - 2ND STREET
STA 202+00 TO STA 214+15 (PROPOSED ALIGNMENT)

DESCRIPTION OF PHASE 1 STAGE 2 MOT
STA 202+00 TO STA 214+15

ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS.

CHANNELIZATION DEVICES WILL BE PLACED PER PLANS.

NOTES:

1. SEE PLAN SHEETS FOR WORK ZONE LIMITS.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee [illegible] Engineer [illegible]

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
MOT TYPICAL SECTIONS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

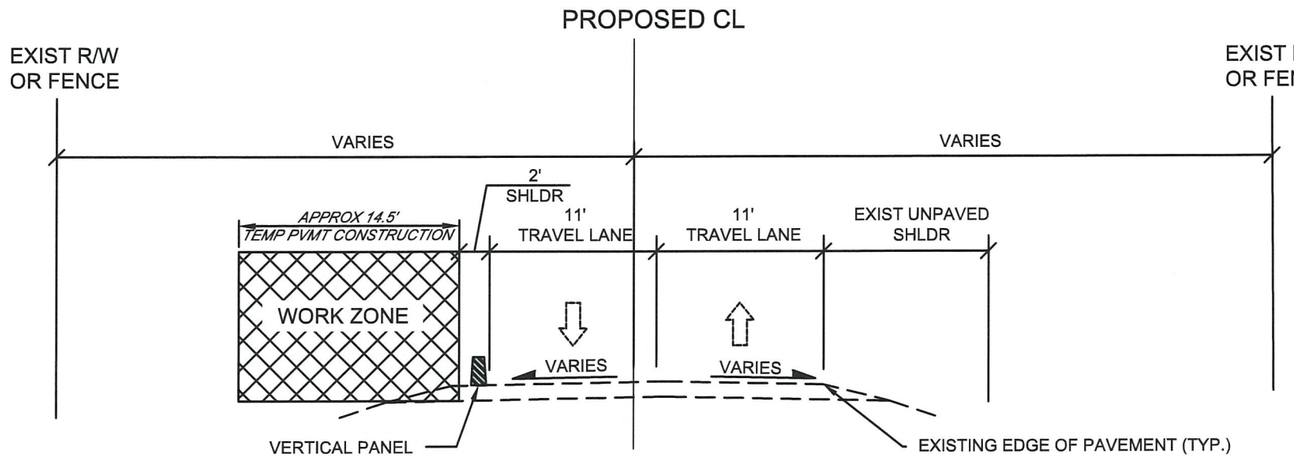
SHEET 6-8 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson3@aecom.com\d0118035\A300161CS_08.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11

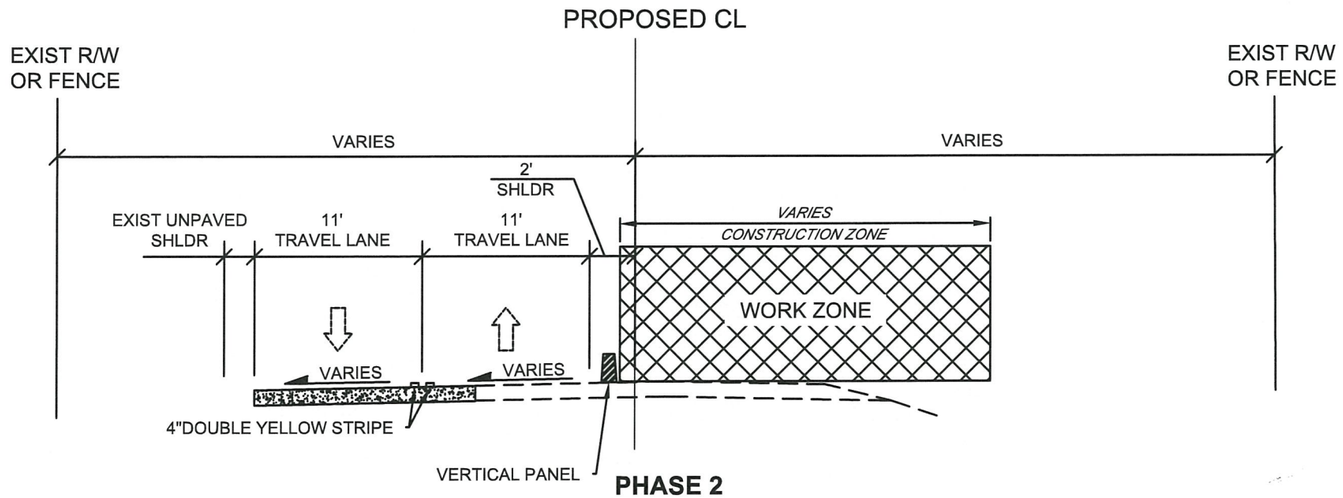


PHASE 1 STAGE 2
MOT TYPICAL SECTION - WOODWARD ROAD
STA 101+04.91 TO STA 126+75 (PROPOSED ALIGNMENT)

DESCRIPTION OF PHASE 1 STAGE 2 MOT
STA 101+04.91 TO STA 126+75

PROVIDE 11' TRAVEL LANES AND SHOULDERS AS SHOWN ON TYPICAL SECTIONS. BUILD 3" MINIMUM DEPTH TEMPORARY PAVEMENT ON THE NORTH SIDE OF EXISTING WOODWARD RD.

CHANNELIZATION DEVICES WILL BE PLACED PER PLANS.



PHASE 2
MOT TYPICAL SECTION - WOODWARD ROAD
STA 101+26.79 TO STA 126+75 (PROPOSED ALIGNMENT)

DESCRIPTION OF PHASE 2 MOT
STA 101+26.79 TO STA 126+75

UTILIZE TEMPORARY PAVEMENT THAT WAS CONSTRUCTED PER PHASE 1 STAGE 2 AND PROVIDE 11' TRAVEL LANES ON THE NORTH SIDE OF PROPOSED ALIGNMENT. ROADWAY WORK WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD AS SHOWN ON TYPICAL SECTION.

CHANNELIZATION DEVICES WILL BE PLACED PER PLANS.

NOTES:

1. SEE PLAN SHEETS FOR WORK ZONE LIMITS.

TEMPORARY PAVEMENT (3" MINIMUM THICKNESS)

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee of the Albuquerque City Engineer on August 22, 2019

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

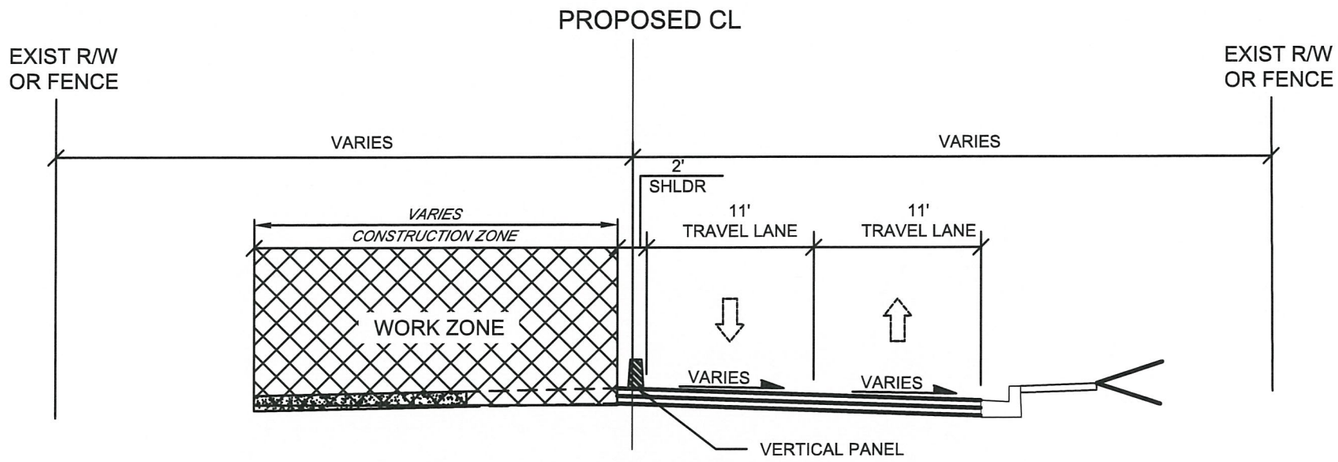
WOODWARD ROAD IMPROVEMENTS
MOT TYPICAL SECTIONS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-9 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nm\jordan.thompson3@aecom.com\d0118036\A300161CS_09.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11

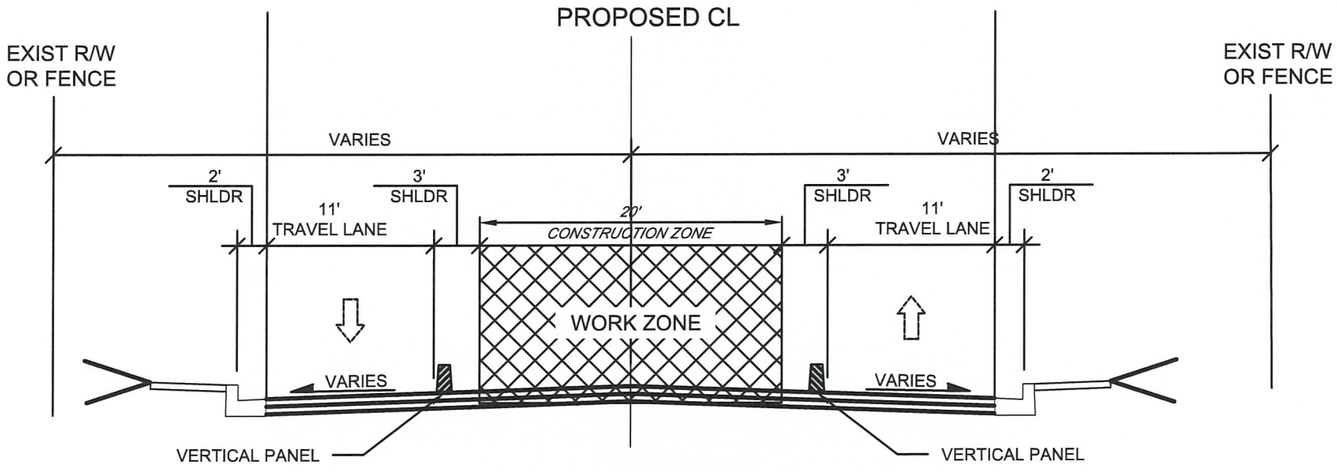


PHASE 3
MOT TYPICAL SECTION - WOODWARD ROAD
STA 101+26.79 TO STA 126+75 (PROPOSED ALIGNMENT)

DESCRIPTION OF PHASE 3 MOT
STA 101+26.79 TO STA 126+75

PROVIDE 11' TRAFFIC LANES ON NEWLY BUILT ROADWAY PER PHASE 2. ROADWAY WORK WILL BE DONE ON THE NORTH SIDE OF WOODWARD RD.

CHANNELIZATION DEVICES WILL BE PLACED PER PLANS.



PHASE 4
MOT TYPICAL SECTION - WOODWARD ROAD
STA 108+00 TO STA 112+00 (PROPOSED ALIGNMENT)

DESCRIPTION OF PHASE 4 MOT
STA 105+50 TO STA 115+50

PROVIDE 11' TRAFFIC LANES ON NEWLY BUILT ROADWAY PER PHASE 2. ROADWAY WORK WILL BE DONE ALONG THE CENTER OF WOODWARD RD.

CHANNELIZATION DEVICES WILL BE PLACED PER PLANS.

NOTES:

1. SEE PLAN SHEETS FOR WORK ZONE LIMITS.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee for Albuquerque, NM
Engineer: July 22, 2021

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

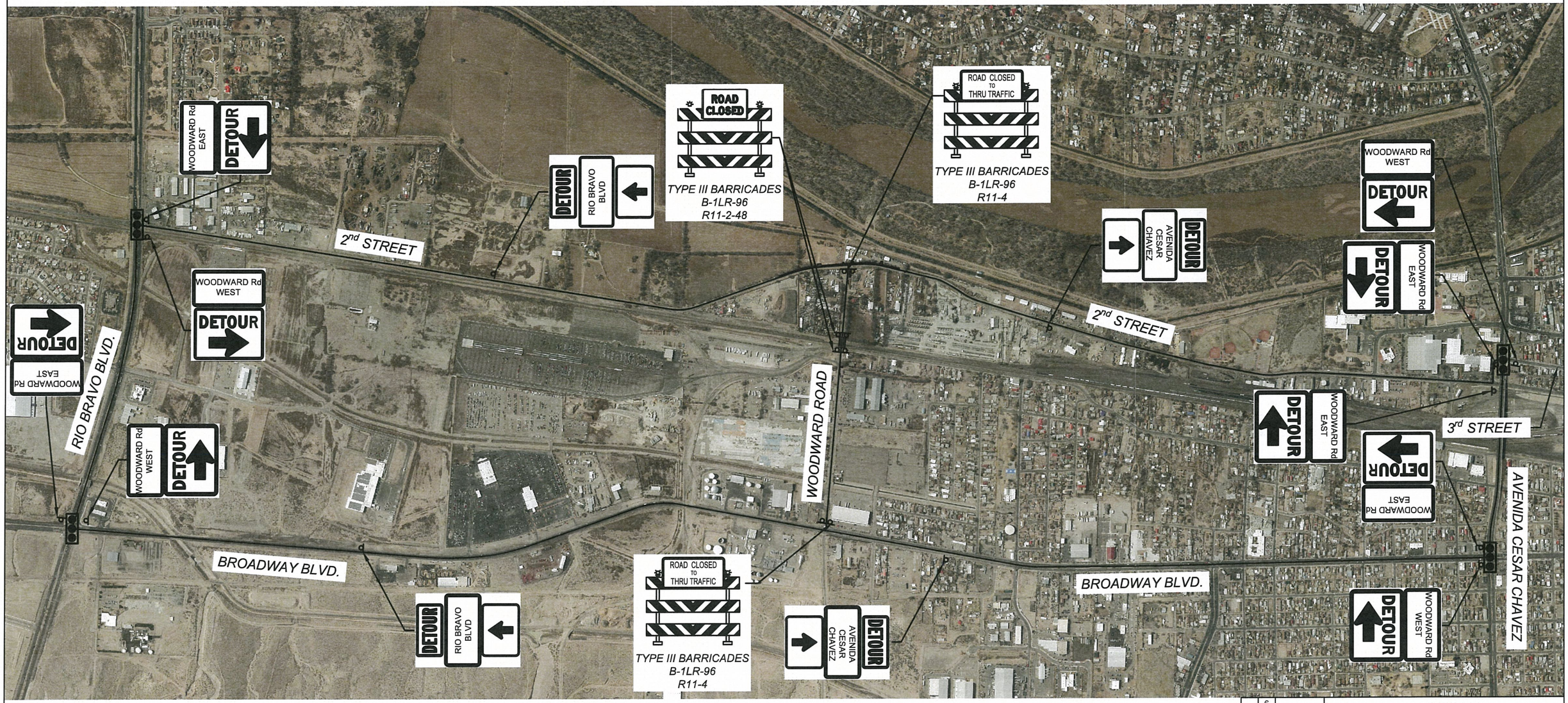
WOODWARD ROAD IMPROVEMENTS
MOT TYPICAL SECTIONS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-10 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_ea\jordan.thompson3@aecom.com\d0118036\A300161CS_10.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11



KEYED NOTES

CONSTRUCTION ZONE

0 500 1000 FEET

NOTES:

1. *SEE NMDOT SERIAL 701-15-1/2 & 702-01-3/5 FOR SIGN LEGEND.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Public Works Engineer Apr. 22, 2020

REVISIONS		
6		
5		
4		
3		
2		
1		
NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
OVERVIEW - DETOUR PLAN
PHASE 1 STAGE 1

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

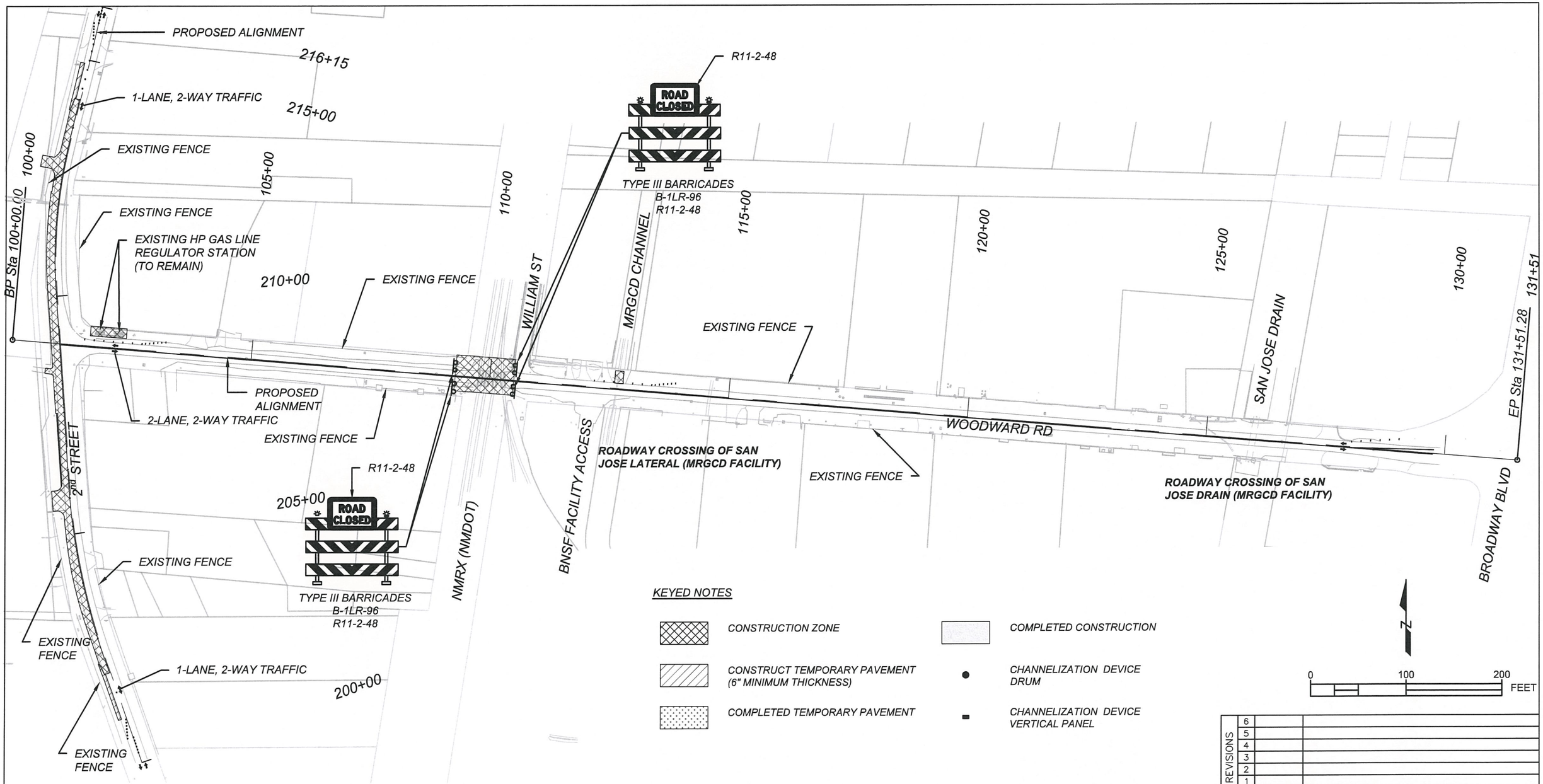
SHEET 6-11 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pw working\aecom_ds16_za\jordan.thompson3@aecom.com\d0118035\A300161CS_11.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11



PHASE 1 STAGE 1: WOODWARD AT RAILROAD CONSTRUCTION AND WEST SIDE OF 2nd STREET CONSTRUCTION

NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO PROVIDE AN OVERVIEW OF CONSTRUCTION AND TRAFFIC PATTERNS BY PHASE.
2. REFER TO INDIVIDUAL TRAFFIC CONTROL PLANS (6-SERIES SHEETS) FOR LIMITS OF CONSTRUCTION, MOT SIGNING AND OTHER DETAILS FOR EACH PHASE.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Albuquerque City Engineer on Aug. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
OVERVIEW - PHASE 1 STAGE 1

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

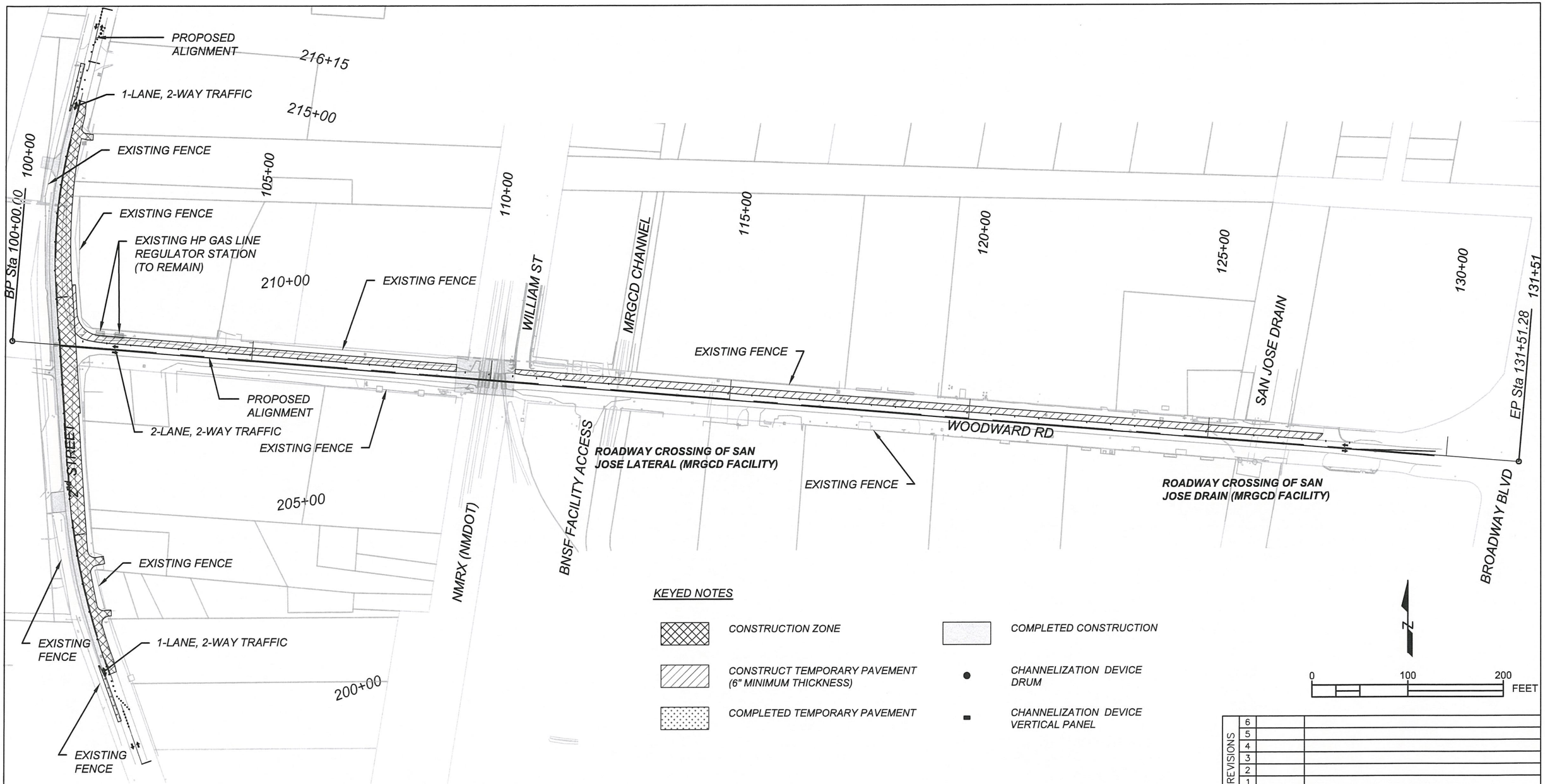
SHEET 6-12 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657: C:\pwworking\jordan_ds16_na\jordan.thompson3@aecom.com\d0118036\A300161CS_12.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11



KEYED NOTES

- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL

N

0 100 200 FEET

PHASE 1 STAGE 2: EAST SIDE OF 2nd STREET CONSTRUCTION, TEMPORARY PAVEMENT ON NORTH SIDE OF WOODWARD RD

NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO PROVIDE AN OVERVIEW OF CONSTRUCTION AND TRAFFIC PATTERNS BY PHASE.
2. REFER TO INDIVIDUAL TRAFFIC CONTROL PLANS (6-SERIES SHEETS) FOR LIMITS OF CONSTRUCTION, MOT SIGNING AND OTHER DETAILS FOR EACH PHASE.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque City Engineer July 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
OVERVIEW - PHASE 1 STAGE 2

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

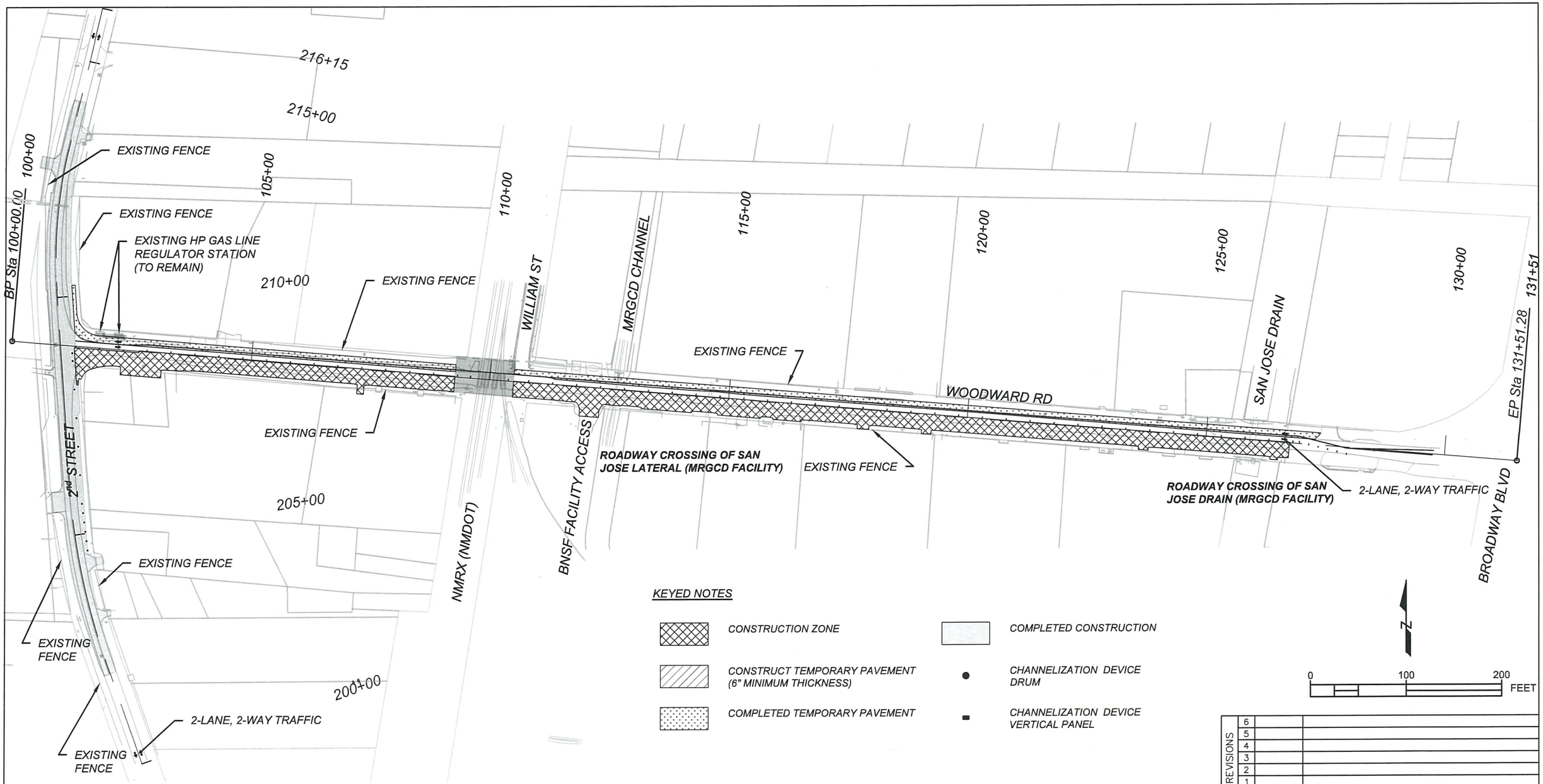
SHEET 6-13 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nt\jordan.thompson3@aecom.com\d0118036\A300161CS_13.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11



KEYED NOTES

	CONSTRUCTION ZONE		COMPLETED CONSTRUCTION
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)	●	CHANNELIZATION DEVICE DRUM
	COMPLETED TEMPORARY PAVEMENT	▬	CHANNELIZATION DEVICE VERTICAL PANEL

N

0 100 200 FEET

PHASE 2: SOUTH SIDE OF WOODWARD RD CONSTRUCTION

NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO PROVIDE AN OVERVIEW OF CONSTRUCTION AND TRAFFIC PATTERNS BY PHASE.
2. REFER TO INDIVIDUAL TRAFFIC CONTROL PLANS (6-SERIES SHEETS) FOR LIMITS OF CONSTRUCTION, MOT SIGNING AND OTHER DETAILS FOR EACH PHASE.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Engineering Review Committee and Albuquerque Engineer 7-29-2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
OVERVIEW - PHASE 2

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

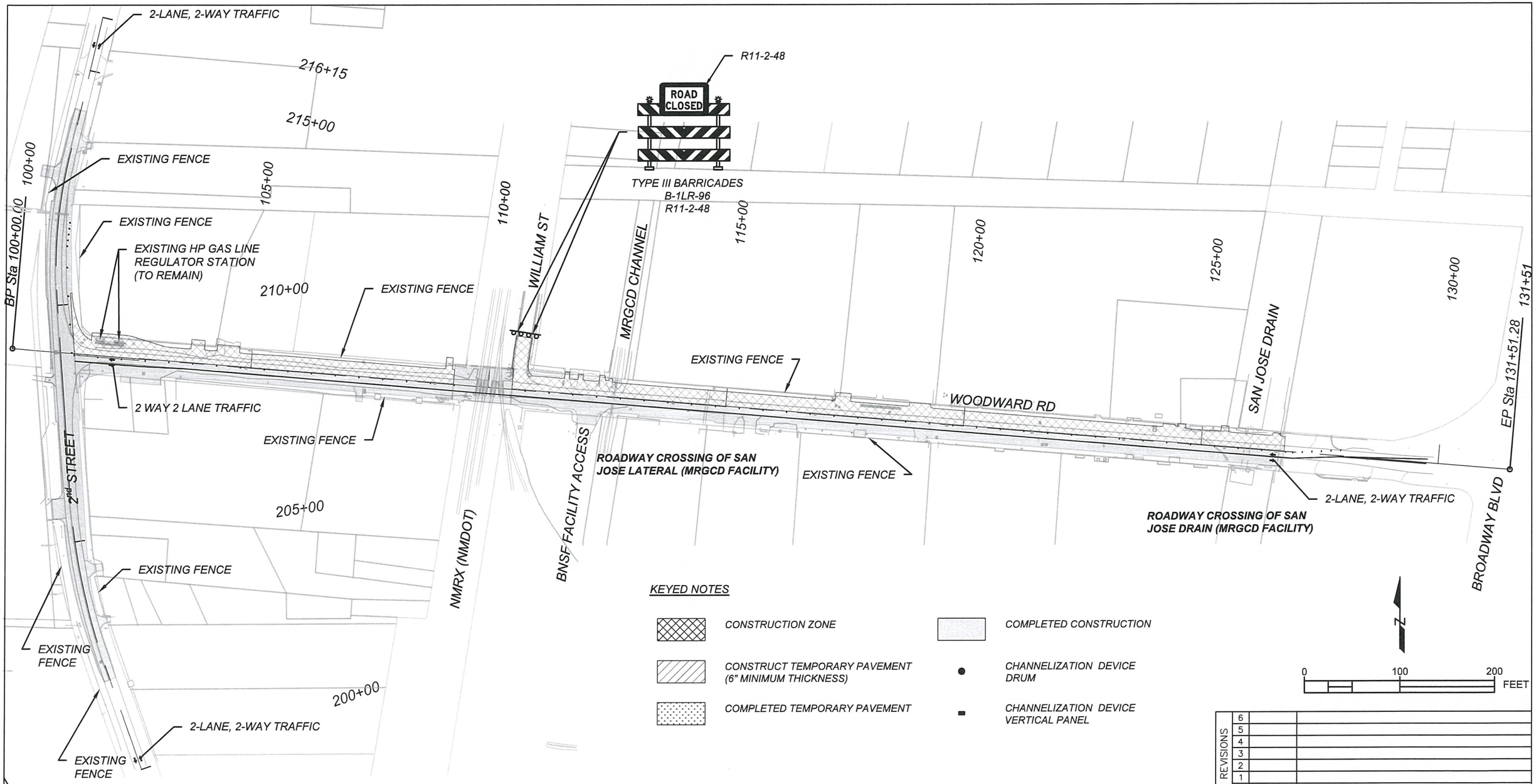
SHEET 6-14 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nm\jordan.thompson3@aecom.com\d0118036\A300161CS_14.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11



KEYED NOTES

CONSTRUCTION ZONE	COMPLETED CONSTRUCTION
CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)	CHANNELIZATION DEVICE DRUM
COMPLETED TEMPORARY PAVEMENT	CHANNELIZATION DEVICE VERTICAL PANEL

N

0 100 200 FEET

PHASE 3: NORTH SIDE OF WOODWARD RD CONSTRUCTION

NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO PROVIDE AN OVERVIEW OF CONSTRUCTION AND TRAFFIC PATTERNS BY PHASE.
2. REFER TO INDIVIDUAL TRAFFIC CONTROL PLANS (6-SERIES SHEETS) FOR LIMITS OF CONSTRUCTION, MOT SIGNING AND OTHER DETAILS FOR EACH PHASE.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by Design Review Committee and Albuquerque City Engineer on [illegible], 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
OVERVIEW - PHASE 3

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

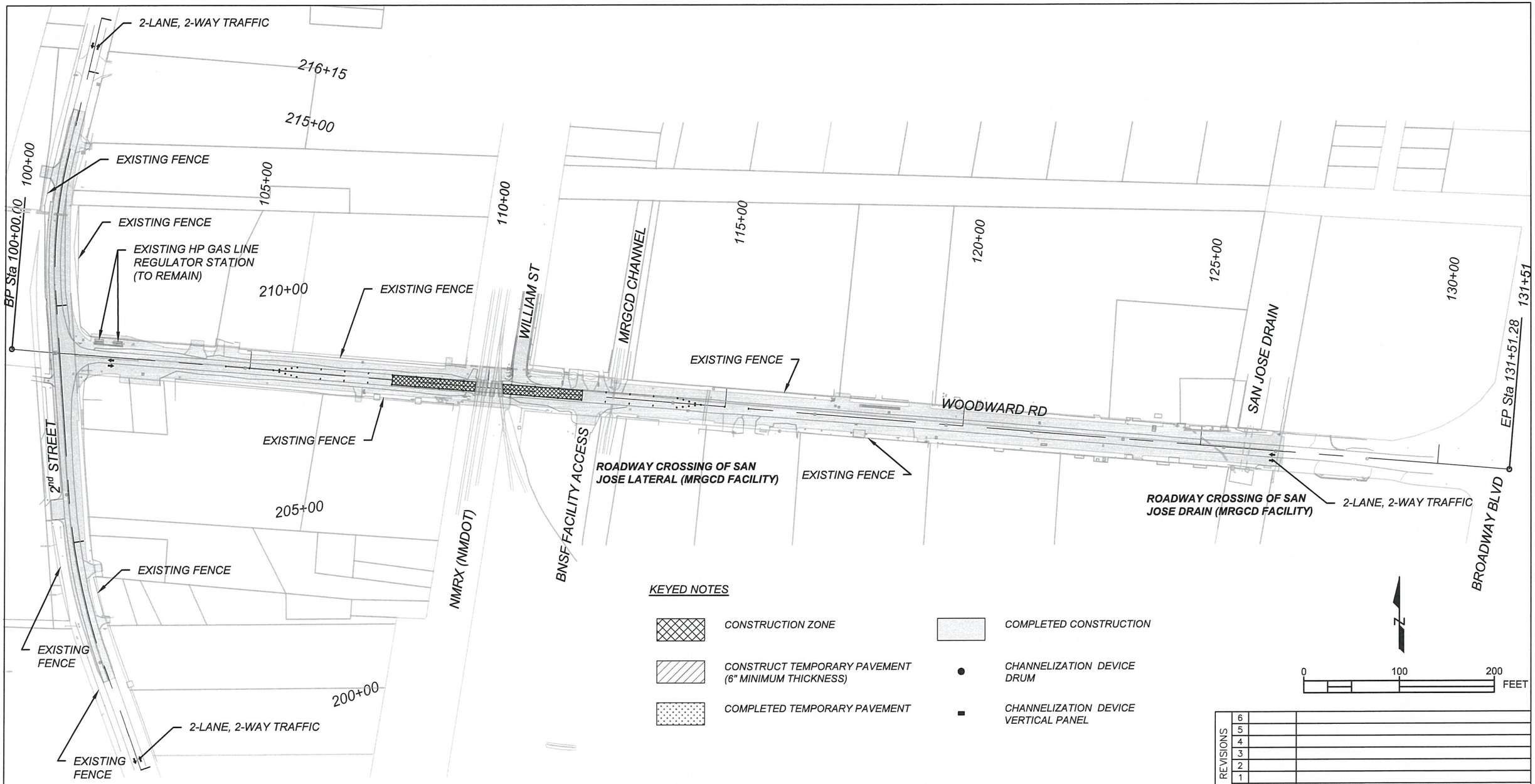
SHEET 6-15 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_ma\jordan.thompson3@aecom.com\d0118036\A300161CS_15.dwg PLOTTED: 7/25/19 - 11:32am Jordan.Thompson11



KEYED NOTES

CONSTRUCTION ZONE	COMPLETED CONSTRUCTION
CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)	CHANNELIZATION DEVICE DRUM
COMPLETED TEMPORARY PAVEMENT	CHANNELIZATION DEVICE VERTICAL PANEL

N

0 100 200 FEET

PHASE 4: WOODWARD RD MEDIAN CONSTRUCTION

NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO PROVIDE AN OVERVIEW OF CONSTRUCTION AND TRAFFIC PATTERNS BY PHASE.
2. REFER TO INDIVIDUAL TRAFFIC CONTROL PLANS (6-SERIES SHEETS) FOR LIMITS OF CONSTRUCTION, MOT SIGNING AND OTHER DETAILS FOR EACH PHASE.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by Design Review Committee and Albuquerque City Engineer Sept 2, 2020.

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
OVERVIEW - PHASE 4

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

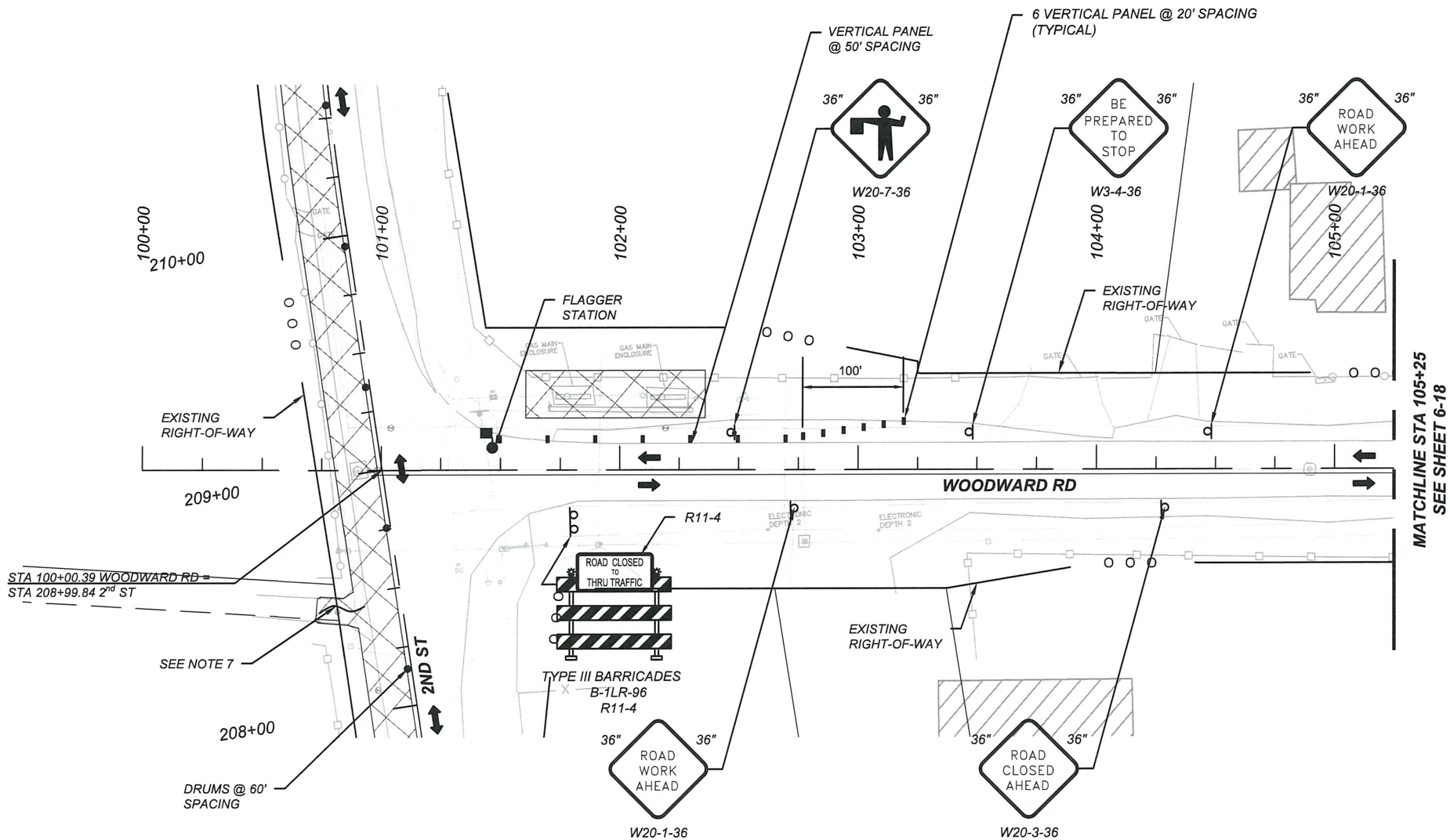
SHEET 6-16 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pw\working\aecom_ds16_na\jordan.thompson3@aecom.com\d0118035\A300161CS_16.dwg PLOTTED: 7/25/19 - 11:32am Jordan Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.
3. SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.
6. THE CONTRACTOR TO PROVIDE FLAGGER FOR EXITING TRAFFIC ON WOODWARD ROAD TO TURN ON TO 2ND STREET.
7. CONSTRUCT TRAIL IN HALVES TO PROVIDE ACCESS FOR PEDESTRIANS AT ALL TIMES DURING CONSTRUCTION.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

SURESH V. PARVATOJA — NEW MEXICO — 17910 — PROFESSIONAL ENGINEER
7/25/19

Plans approved by the Review Committee and Albuquerque City Engineer Sept. 22, 2020

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
STA 100+00 TO STA 105+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

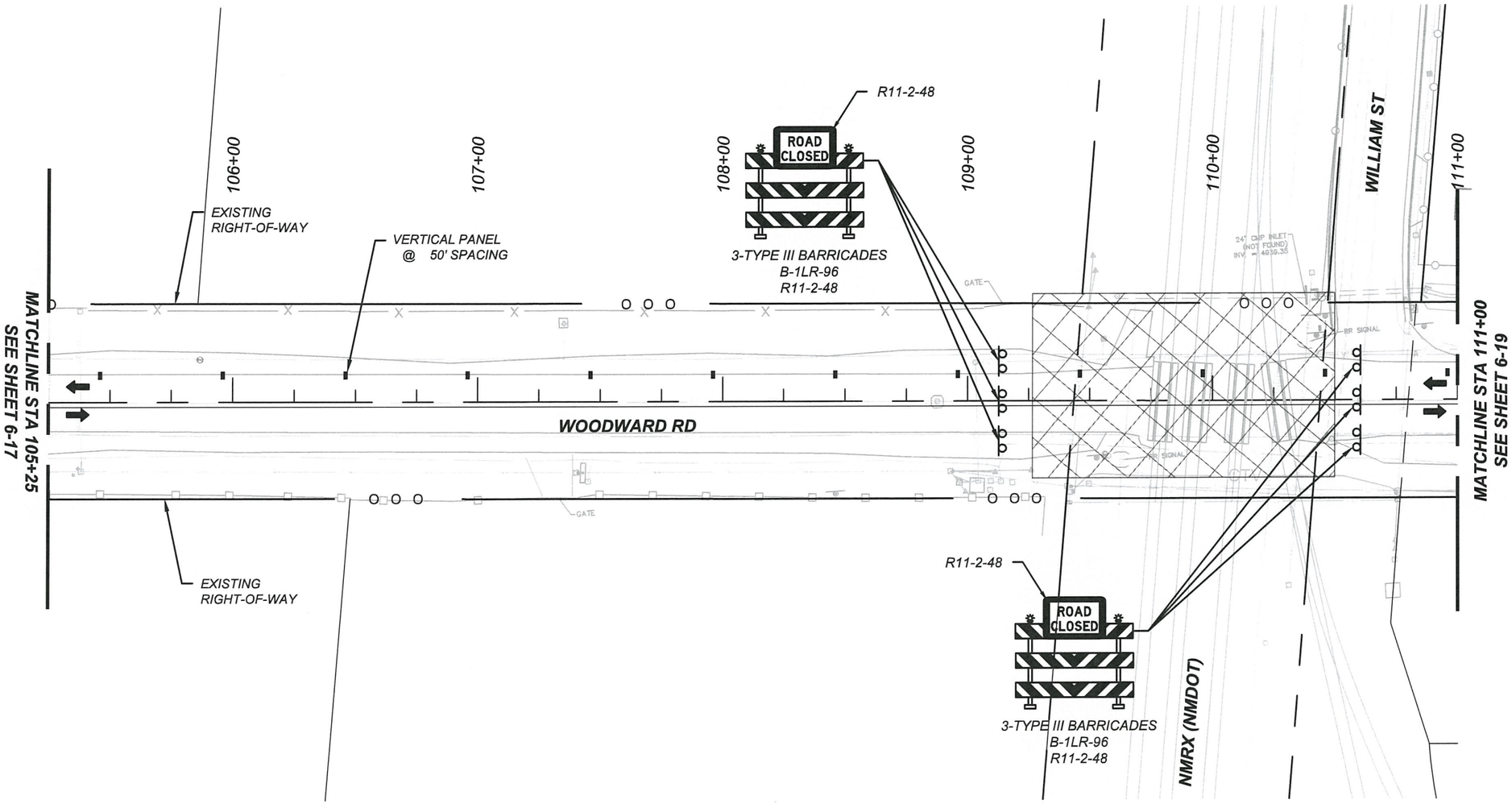
SHEET 6-17 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordon.thompson3@aecom.com\d0118035\A300161CS_17.dwg PLOTTED: 7/25/19 - 11:33am Jordon.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*
3. *SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
⊲	*CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.*
2. *MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.*
3. *ROAD CLOSED AT RAIL CROSSING.*
4. *MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
5. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee of Albuquerque - City Engineer - Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
STA 105+25 TO STA 111+00

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

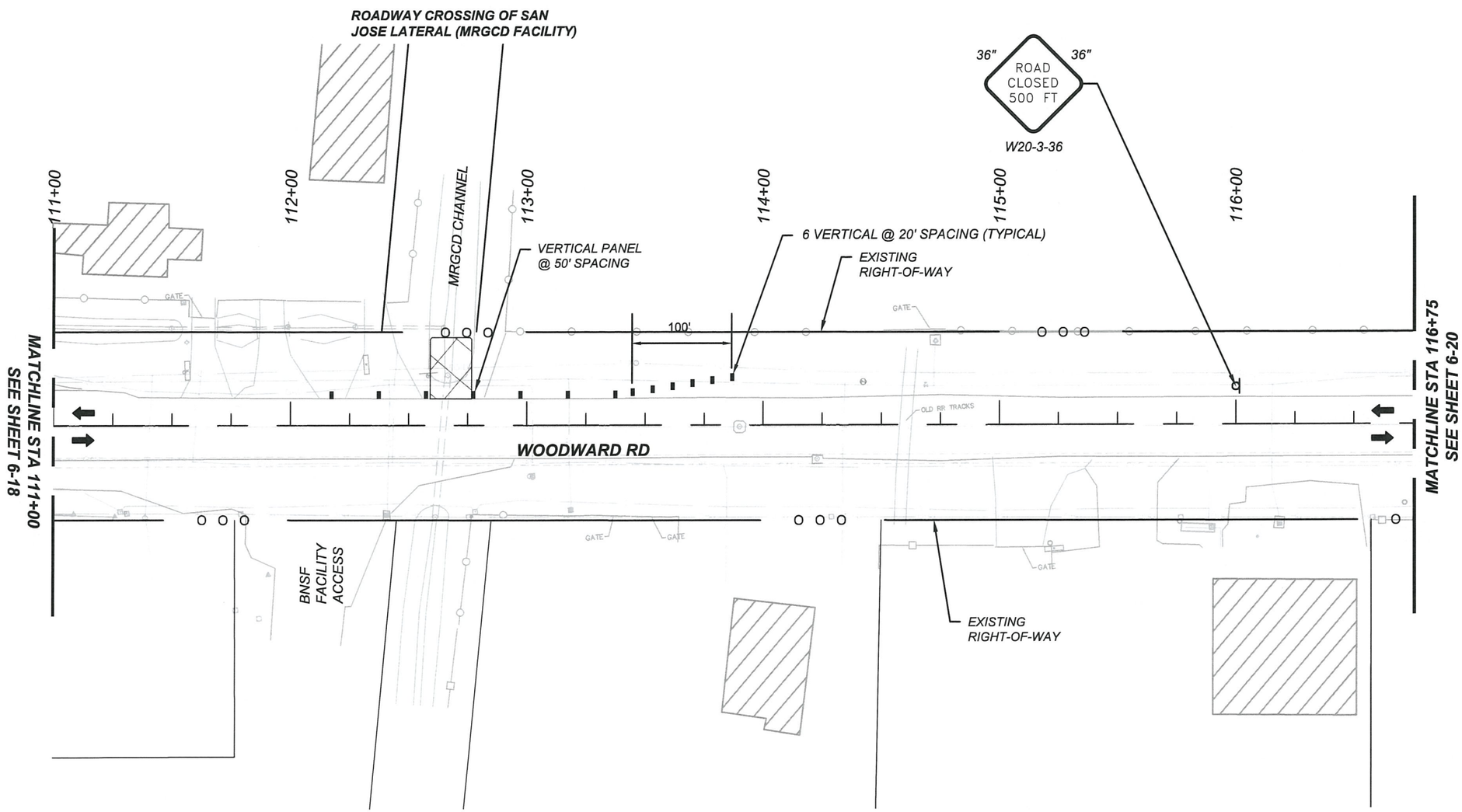
SHEET 6-18 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson3@aecom.com\d0118036\A300161CS_18.dwg PLOTTED: 7/25/19 - 11:33am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*
3. *SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.*

KEYED NOTES

- PCMS — *PORTABLE CHANGEABLE MESSAGE SIGN*
- *CONSTRUCTION ZONE*
- *CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)*
- *COMPLETED TEMPORARY PAVEMENT*
- *COMPLETED CONSTRUCTION*
- *CHANNELIZATION DEVICE DRUM*
- *CHANNELIZATION DEVICE VERTICAL PANEL*
- d — *CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.*
2. *MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.*
3. *ROAD CLOSED AT RAIL CROSSING.*
4. *MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
5. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATAM NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by [illegible] Review Committee and Albuquerque City Engineer Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
STA 111+00 TO STA 116+75

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

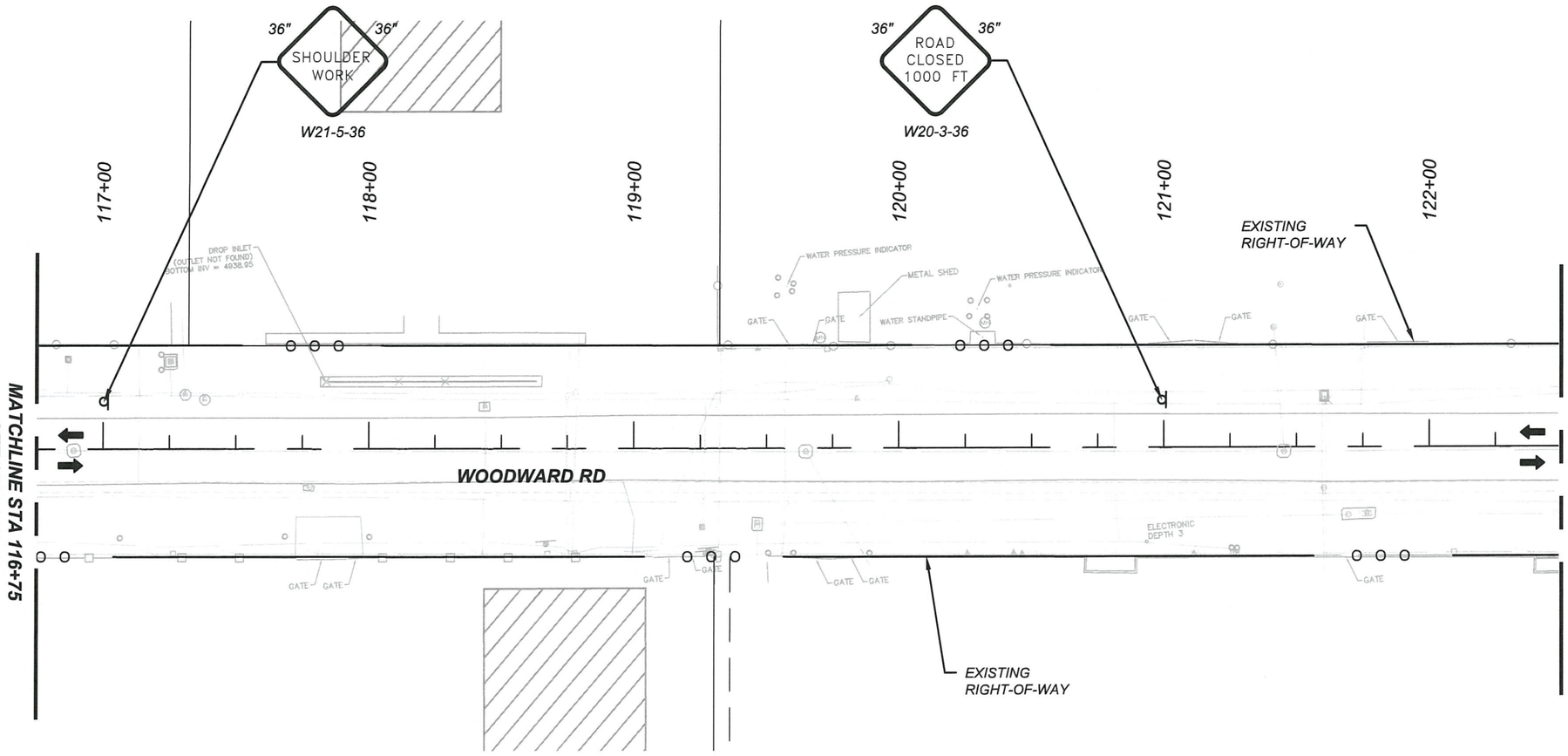
SHEET 6-19 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nt\jordan.thompson3@aecom.com\d0118036\A300161CS_19.dwg PLOTTED: 7/25/19 - 11:33am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.
3. SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▪	CHANNELIZATION DEVICE VERTICAL PANEL
d	CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by Design Review Committee and Albuquerque City Engineer on April 2020.

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
STA 116+75 TO STA 122+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

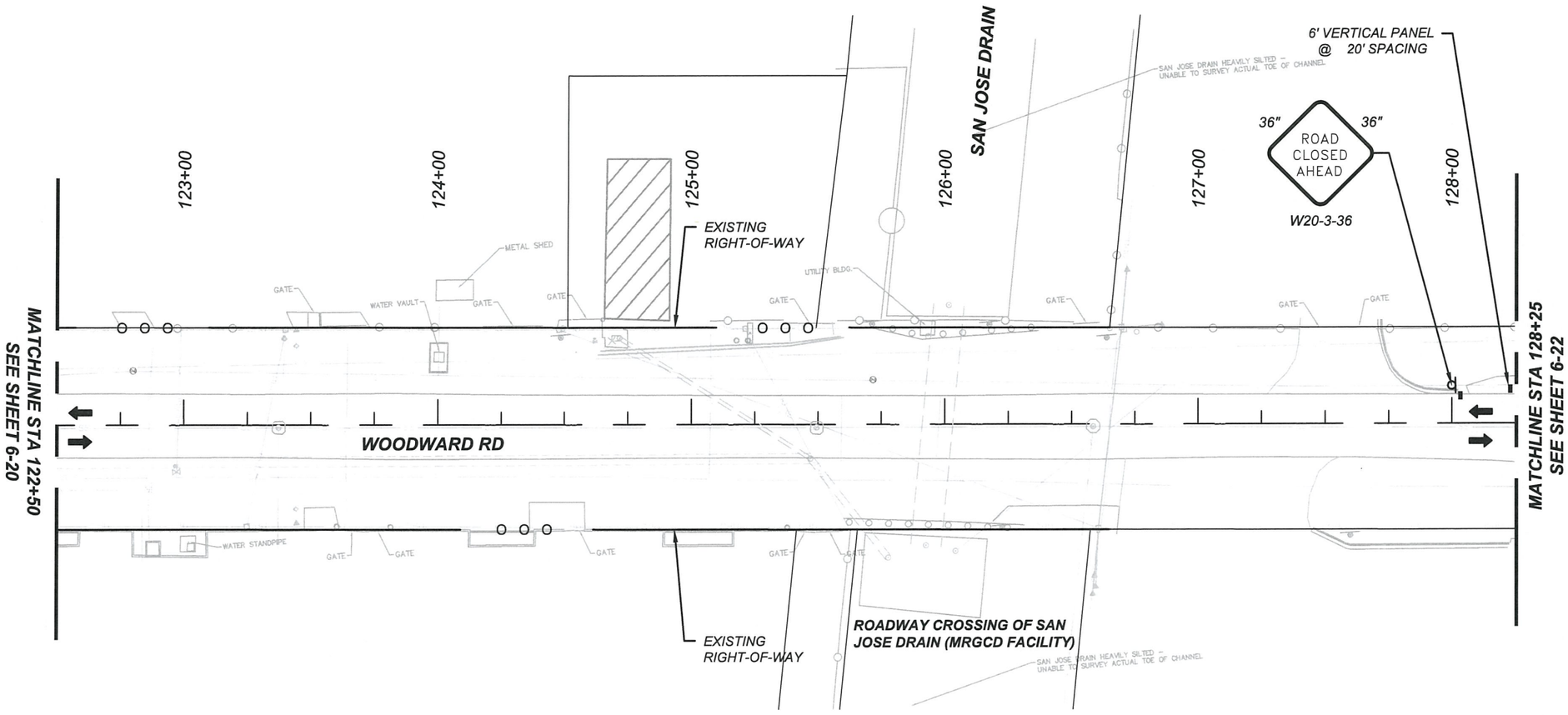
SHEET 6-20 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordon.thompson3@aecom.com\d0118036\A300161CS_20.dwg PLOTTED: 7/25/19 - 11:33am Jordon.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.
3. SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Albuquerque City Engineer on April 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
STA 122+50 TO STA 128+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

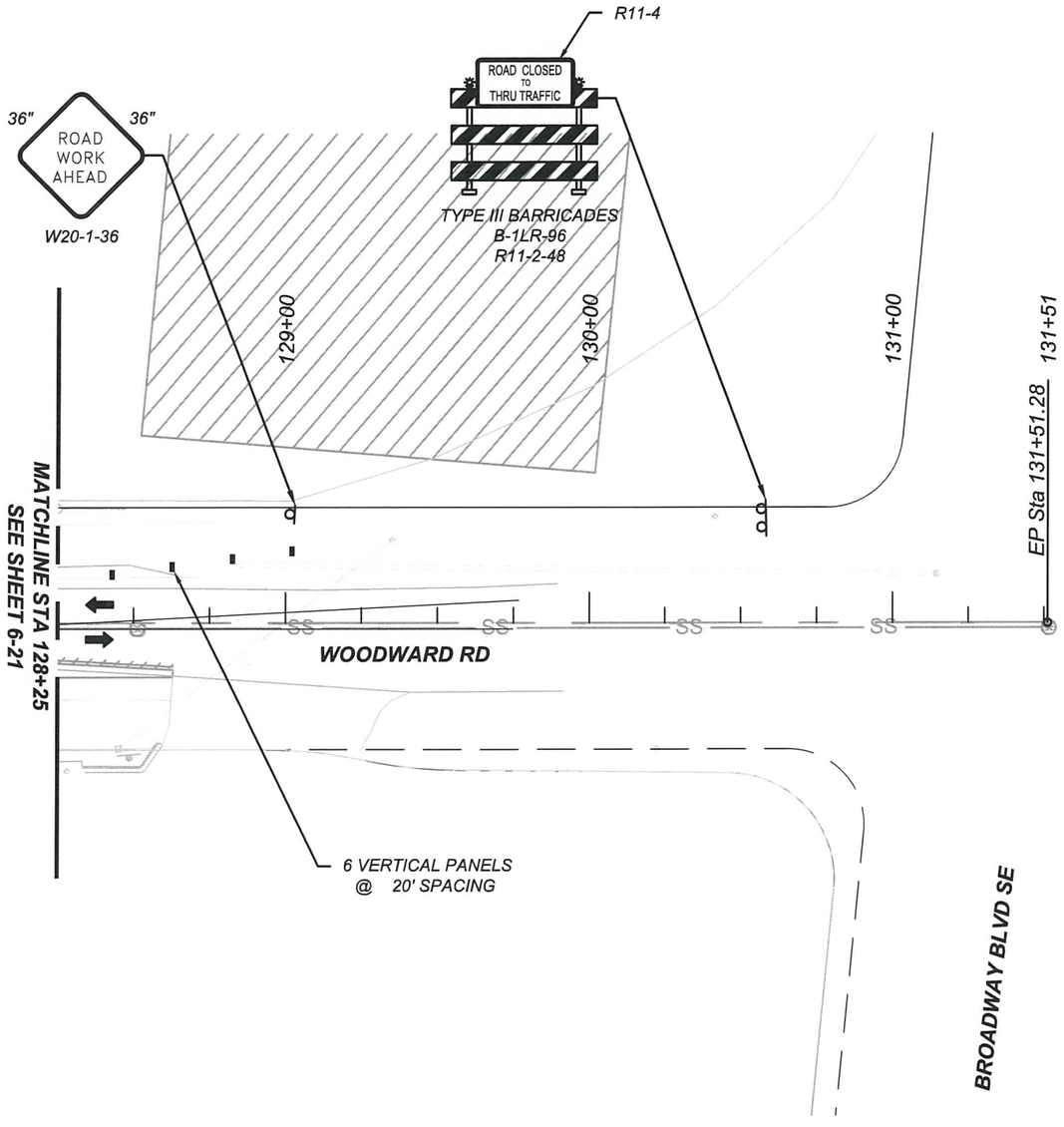
SHEET 6-21 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pw\working\secom_ds16_nm\jordan.thompson3@aecom.com\d0118035\A300161CS_21.dwg PLOTTED: 7/25/19 - 11:33am Jordan.Thompson11



CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.
3. SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
ɖ	CONSTRUCTION SIGNING

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Albuquerque Engineer on July 22, 2020.

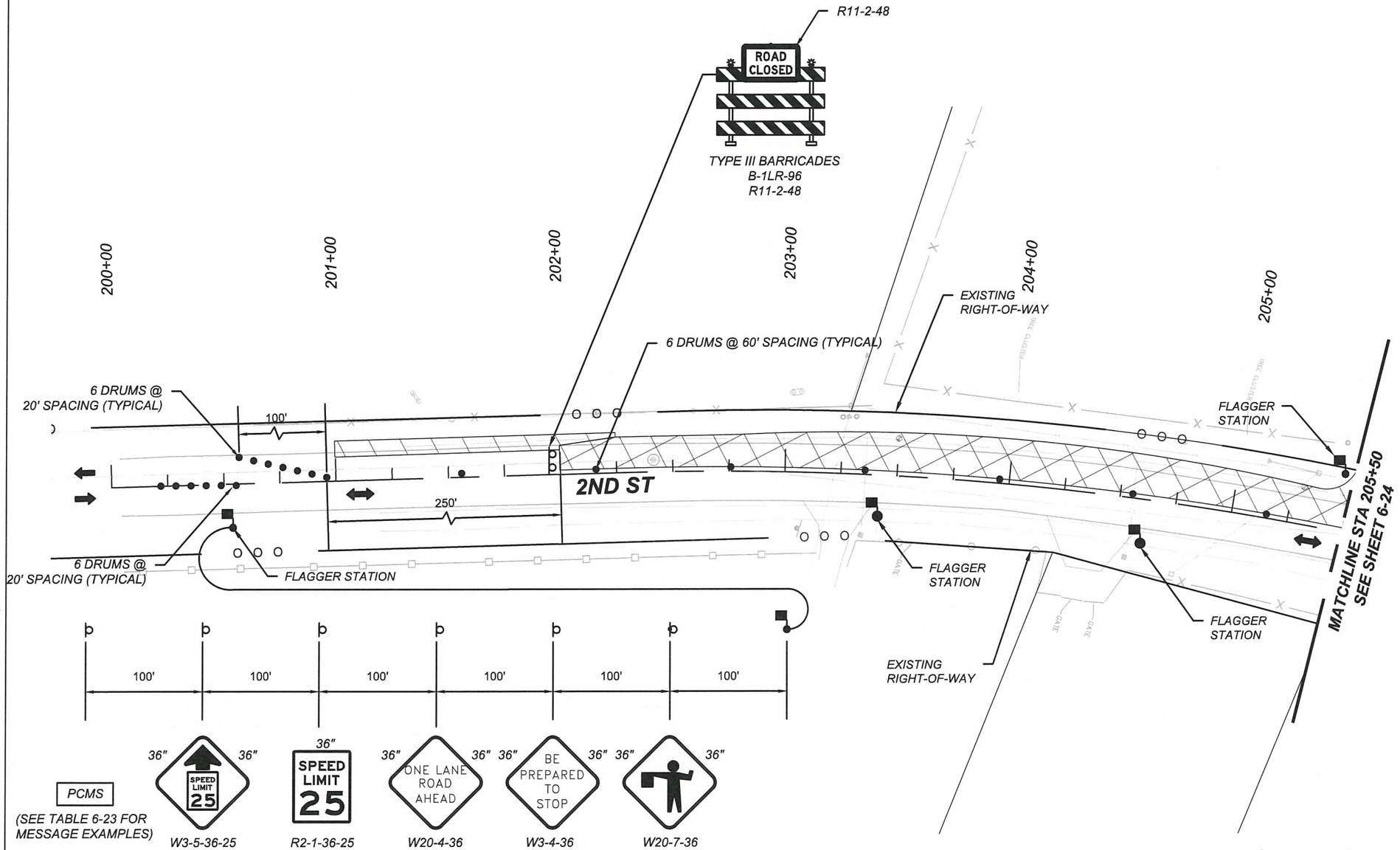
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
STA 128+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-22 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0118035\A300161CS_22.dwg PLOTTED: 7/25/19 - 11:34am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.
3. SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. FLAGGERS MAY BE NEEDED AT DRIVEWAYS WHERE ONE LANE, TWO WAY TRAFFIC IS MAINTAINED.
6. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

NOTIFICATION MESSAGE	ACTION MESSAGE
FLAGGER AHEAD (OR) ONE LANE AHEAD	BE PREPARED TO STOP

TABLE 6-23

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
BOP TO STA 205+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-23 OF

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
9/25/19

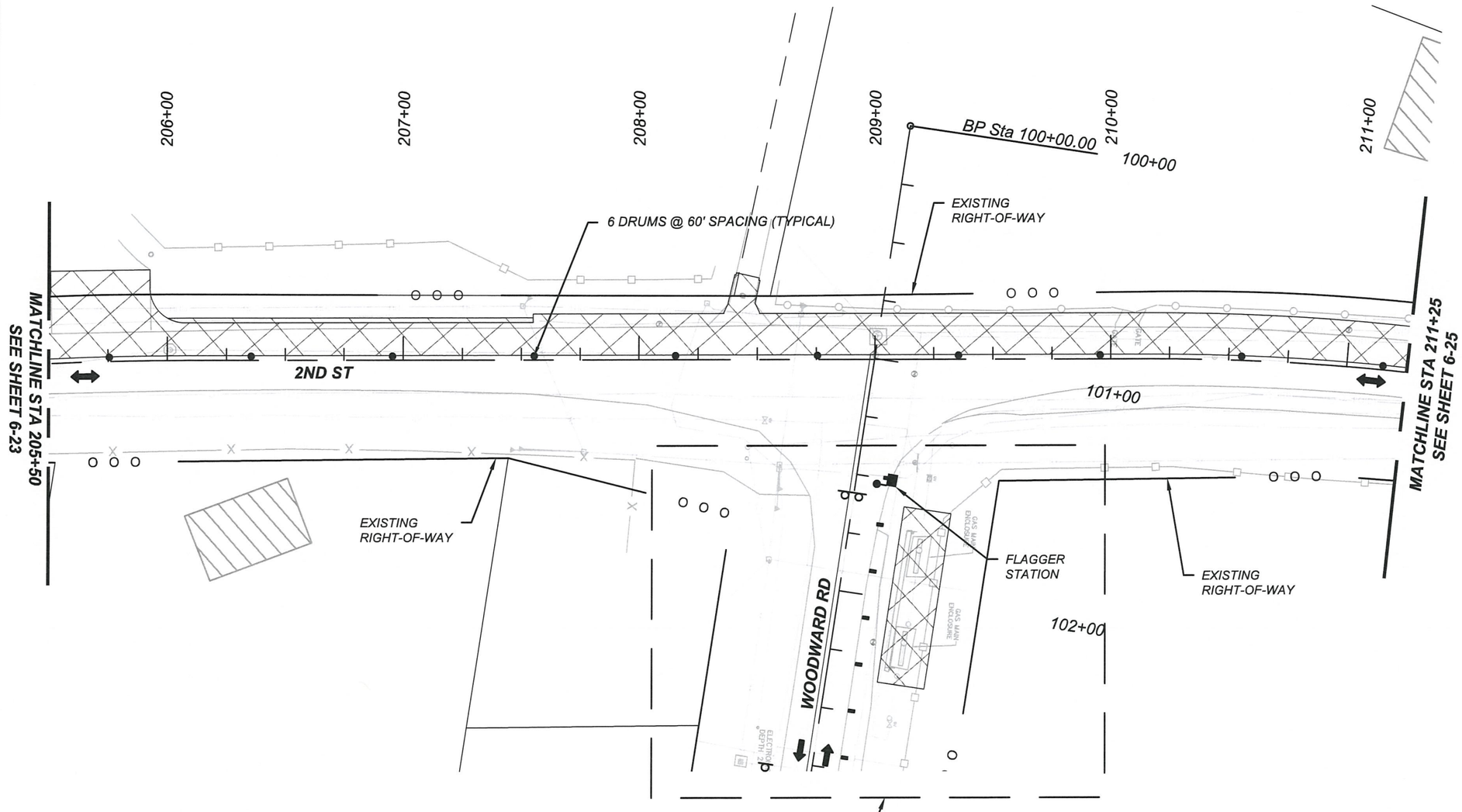
Plans approved by the Development Review Committee and Albuquerque Public Works Engineering on Sept 25, 2020.

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson30@aecom.com\d0118036\A300161CS_23.dwg PLOTTED: 7/25/19 - 11:34am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.
3. SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
d	CONSTRUCTION SIGNING

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. FLAGGERS MAY BE NEEDED AT DRIVEWAYS WHERE ONE LANE, TWO WAY TRAFFIC IS MAINTAINED.
6. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

0 50 100 FEET

REVISIONS			
6			
5			
4			
3			
2			
1			
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
9/25/19

Plans approved by Traffic Review Committee and Albuquerque City Engineer Sept. 25, 2020.

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
STA 205+50 TO STA 211+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

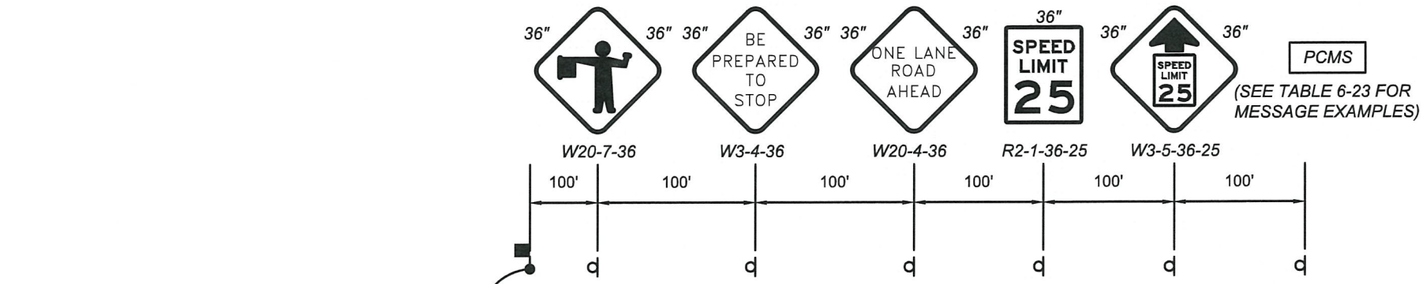
SHEET 6-24 OF

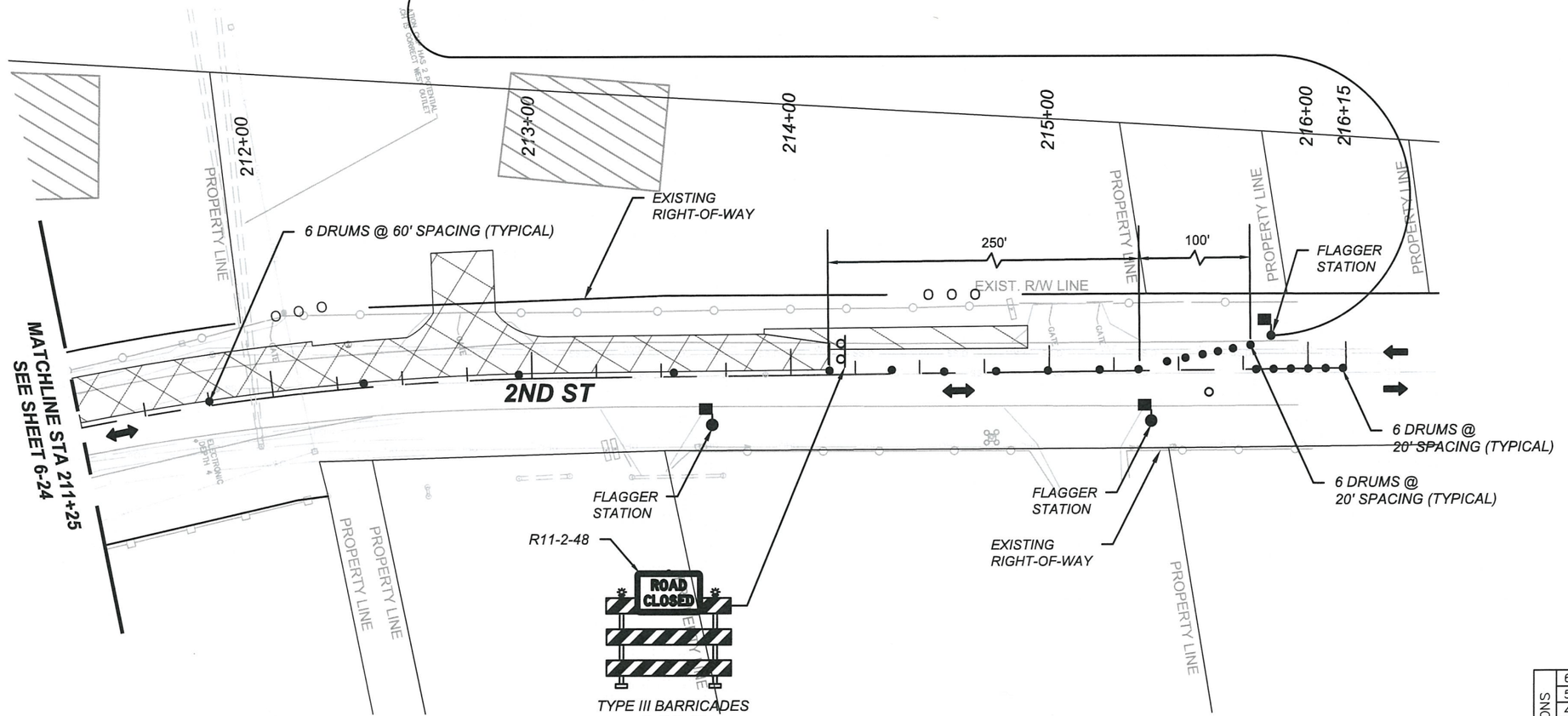
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_db16_nx\jordan.thompson3@aecom.com\d0118036\A300161CS_24.dwg PLOTTED: 7/25/19 - 11:34am Jordan.Thompson11





SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.
3. SEE DETOUR PLAN SHEET 6-11 FOR WOODWARD ROAD CLOSURE AT NM RX (NMDOT) DURING RAIL WORK.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. FLAGGERS MAY BE NEEDED AT DRIVEWAYS WHERE ONE LANE, TWO WAY TRAFFIC IS MAINTAINED.
6. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

NOTIFICATION MESSAGE	ACTION MESSAGE
FLAGGER AHEAD (OR) ONE LANE AHEAD	BE PREPARED TO STOP

TABLE 6-23

Plans approved by Traffic Review Committee and Albuquerque Engineer on: 7/25/2020

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 1
STA 211+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

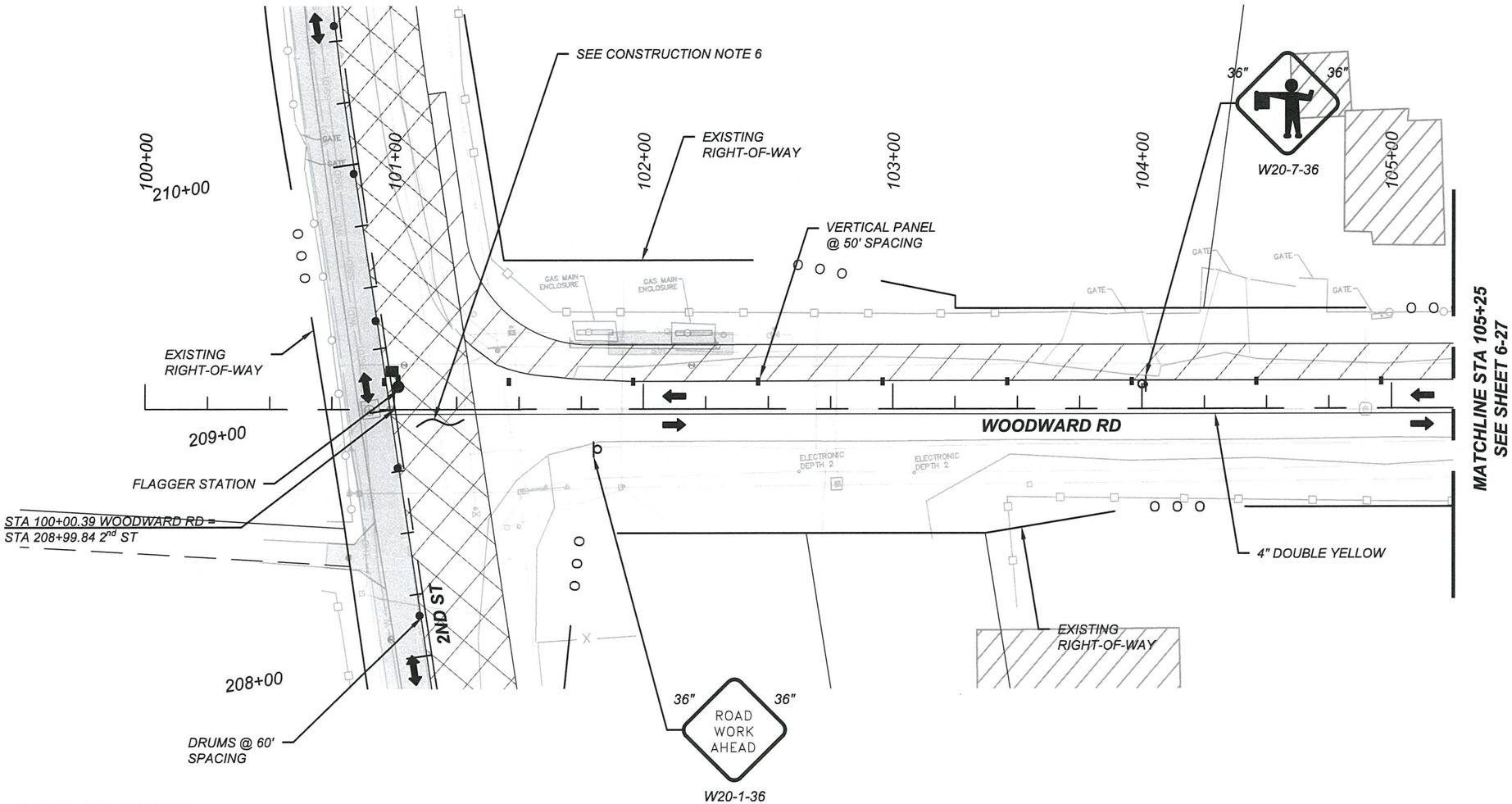
SHEET 6-25 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson3@aecom.com\d0118036\A300161CS_25.dwg PLOTTED: 7/25/19 - 11:34am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

- PCMS — *PORTABLE CHANGEABLE MESSAGE SIGN*
- *CONSTRUCTION ZONE*
- *CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)*
- *COMPLETED TEMPORARY PAVEMENT*
- *COMPLETED CONSTRUCTION*
- *CHANNELIZATION DEVICE DRUM*
- *CHANNELIZATION DEVICE VERTICAL PANEL*
- d — *CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.*
2. *MAINTAIN TWO WAY TRAFFIC FOR CONSTRUCTION OF TEMPORARY PAVEMENT ALONG THE NORTHSIDE OF WOODARD ROAD.*
3. *MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
4. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*
5. *THE CONTRACTOR TO PROVIDE FLAGGER FOR EXITING TRAFFIC ON WOODWARD ROAD TO TURN ON TO 2ND STREET.*
6. *CONSTRUCT INTERSECTION IN HALVES TO PROVIDE ACCESS TO WOODWARD ROAD AT ALL TIMES DURING CONSTRUCTION.*

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
STA 100+00 TO STA 105+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-26 OF

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

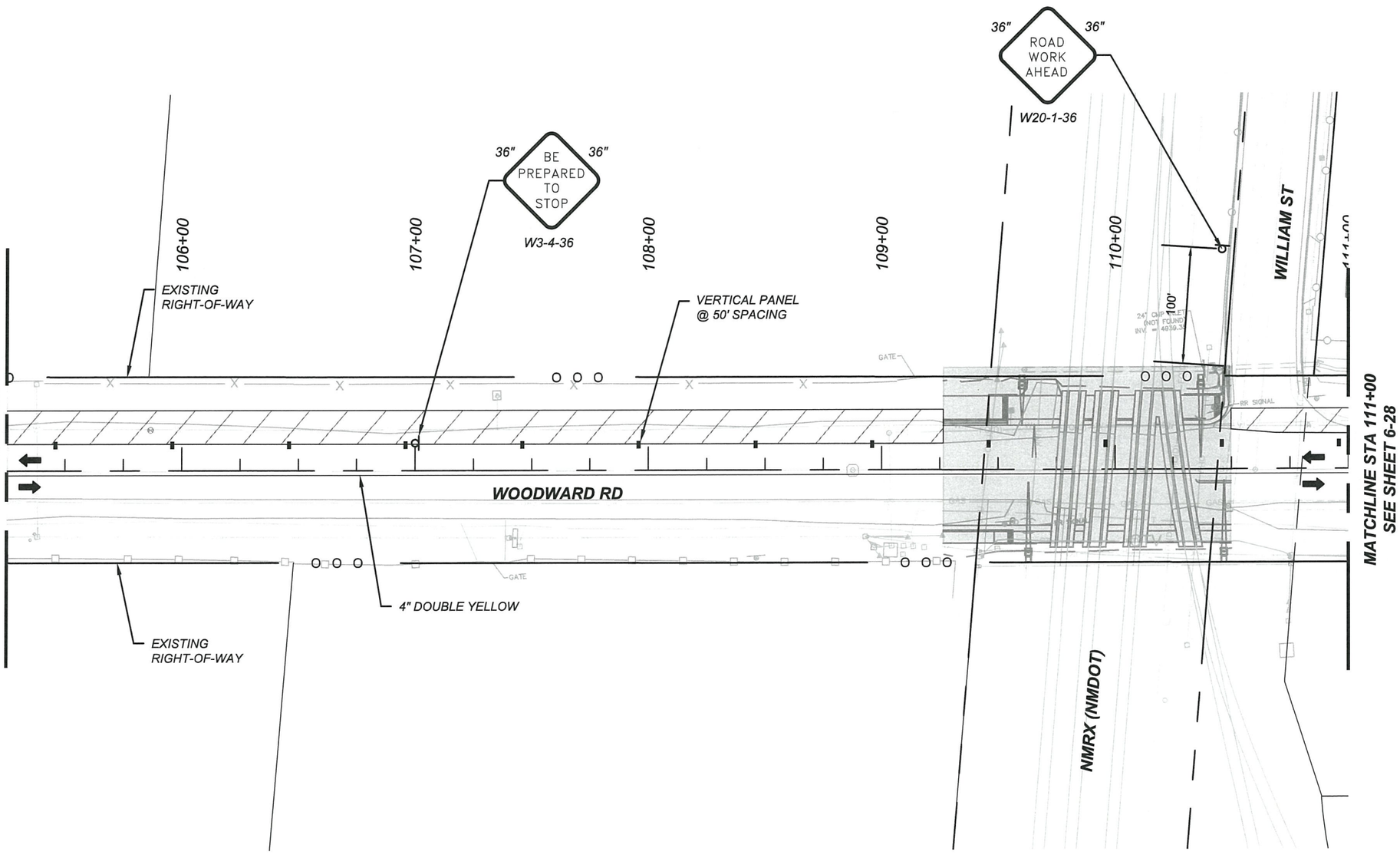
Plans approved by Design Review Committee and Albuquerque Public Works Engineer on July 31, 2020

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nx\jordan.thompson30\aecom.com\d0118036\A300161CS_28.dwg PLOTTED: 7/25/19 - 11:34am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR CONSTRUCTION OF TEMPORARY PAVEMENT ALONG THE NORTHSIDE OF WOODARD ROAD.
3. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by the Development Review Committee of the City of Albuquerque City Engineer Oct. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
STA 105+25 TO STA 111+00

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

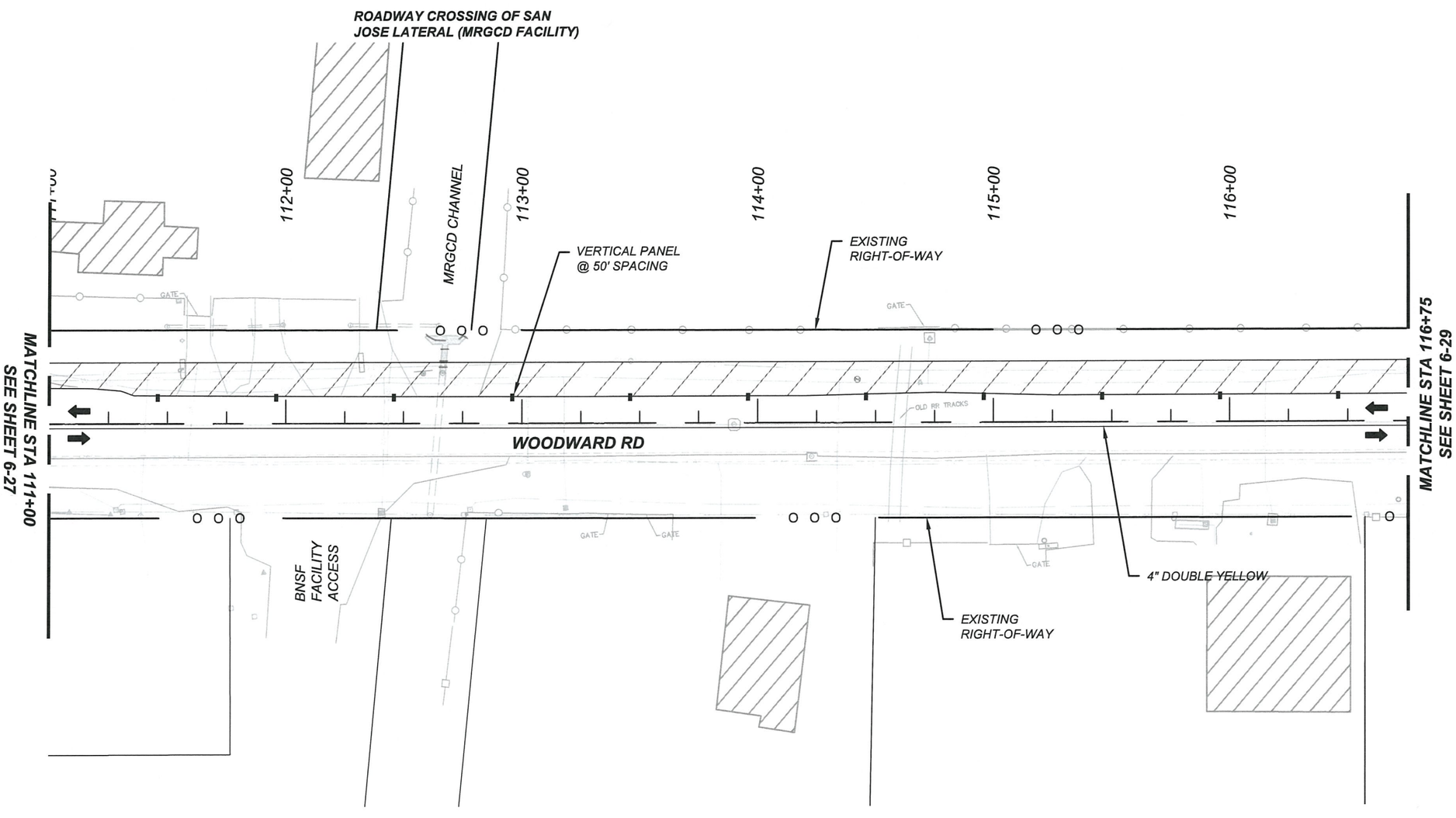
SHEET 6-27 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson30@aecom.com\d0118036\A300161CS_27.dwg PLOTTED: 7/25/19 - 11:34am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
d	CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR CONSTRUCTION OF TEMPORARY PAVEMENT ALONG THE NORTHSIDE OF WOODARD ROAD.
3. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee of the Albuquerque/Bernalillo County Engineer on: JUL 27, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
STA 111+00 TO STA 116+75

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

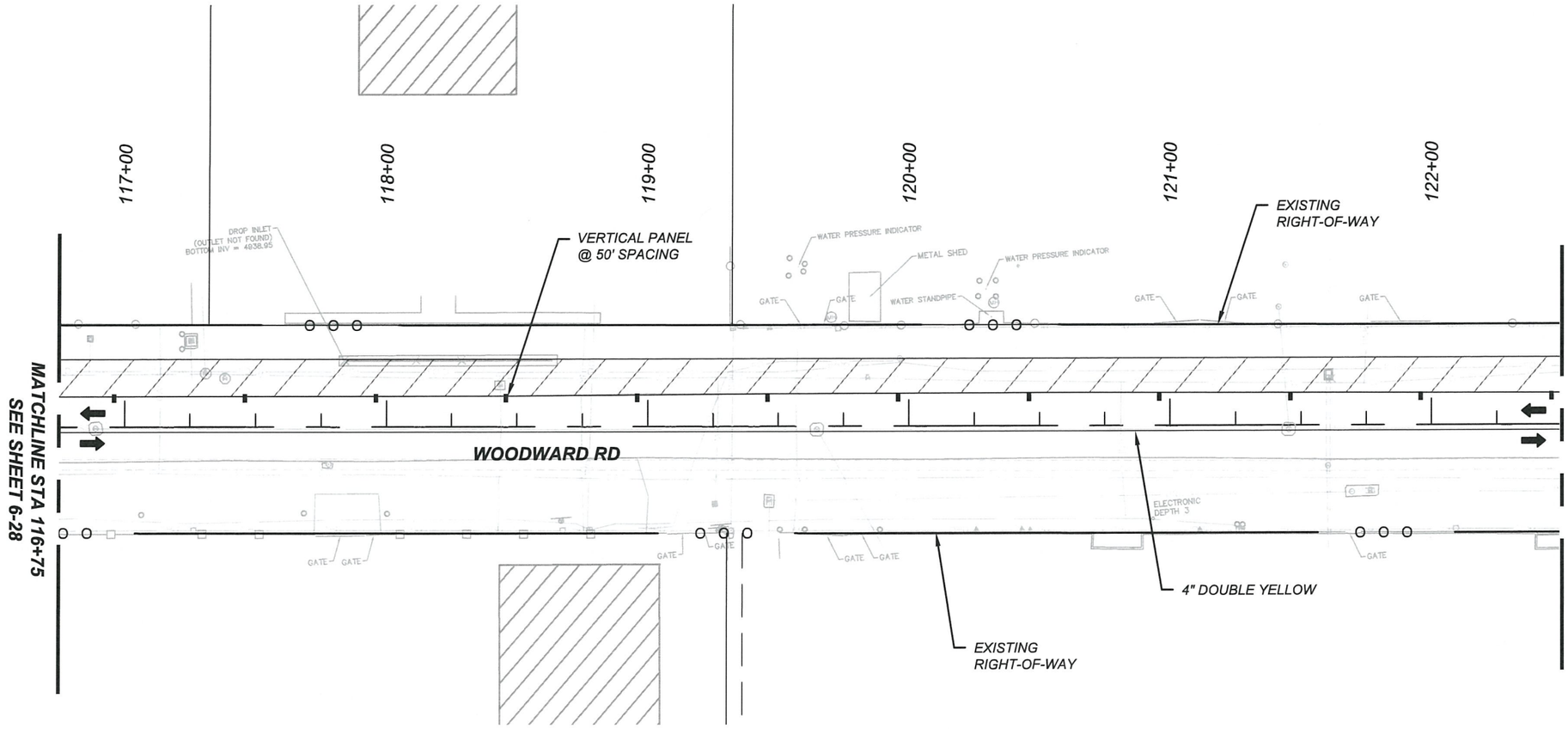
SHEET 6-28 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0118035\A300161CS_28.dwg PLOTTED: 7/25/19 - 11:35am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
ɖ	*CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.*
2. *MAINTAIN TWO WAY TRAFFIC FOR CONSTRUCTION OF TEMPORARY PAVEMENT ALONG THE NORTHSIDE OF WOODARD ROAD.*
3. *MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
4. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by Design Review Committee and Albuquerque Public Works Engineer on April 2, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
STA 116+75 TO STA 122+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

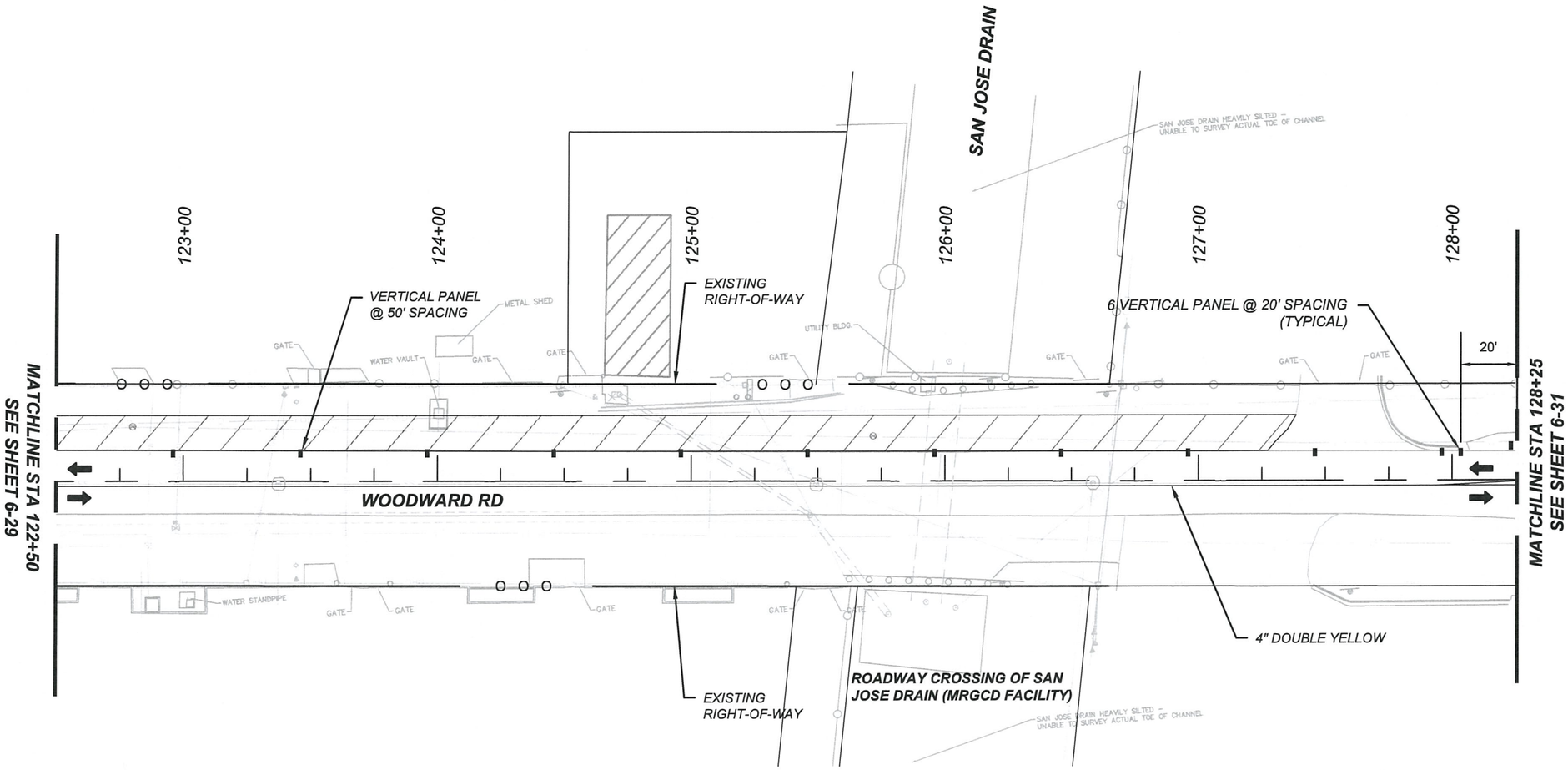
SHEET 6-29 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0118035\A300161CS_29.dwg PLOTTED: 7/25/19 - 11:35am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR CONSTRUCTION OF TEMPORARY PAVEMENT ALONG THE NORTHSIDE OF WOODARD ROAD.
3. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER

Plans approved by the Development Review Committee and Albuquerque Public Works Engineering. P.E. 2020

7/25/19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

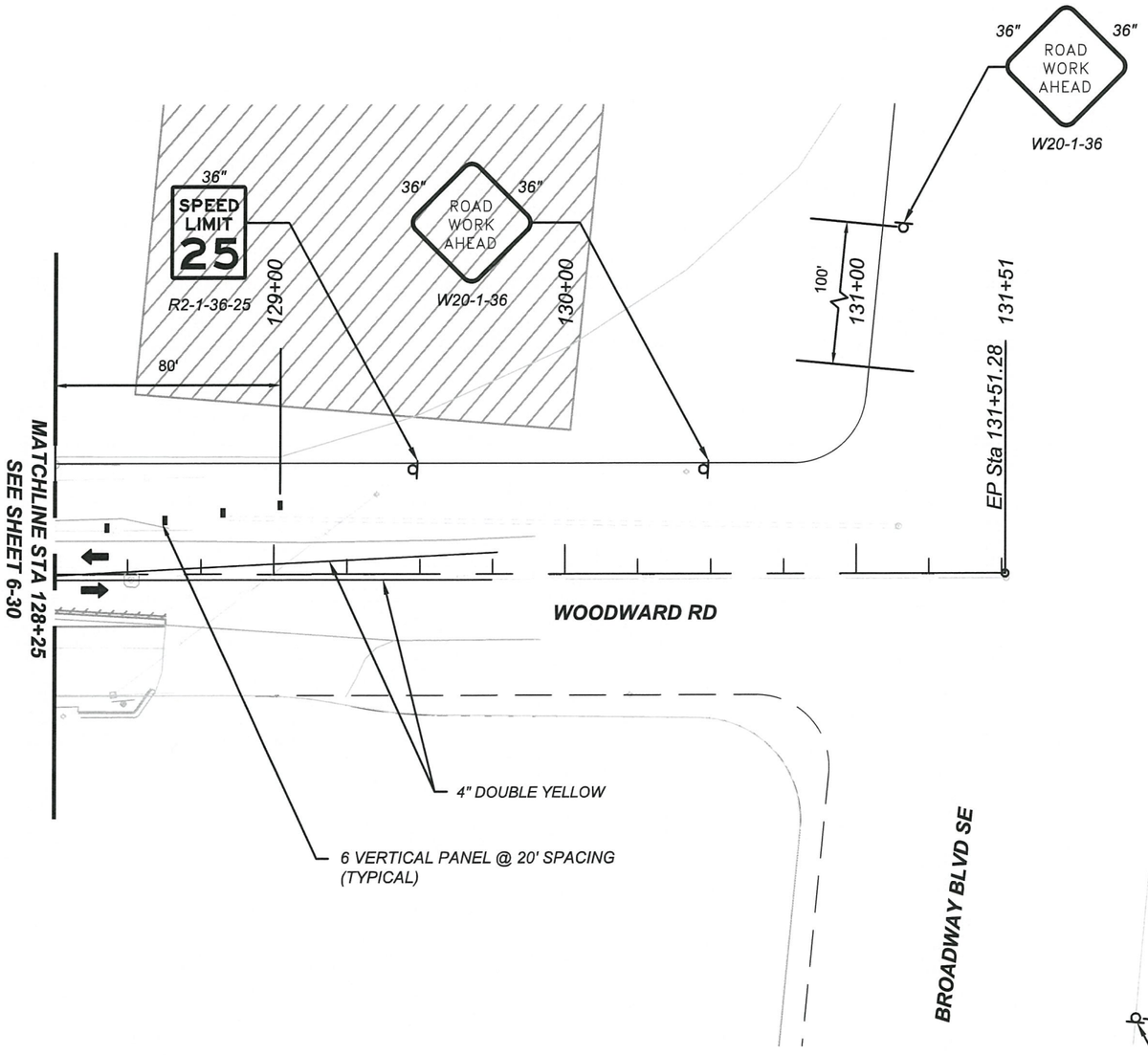
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
STA 122+50 TO STA 128+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-30 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson3@aecom.com\d0118036\A300161CS_30.dwg PLOTTED: 7/25/19 - 11:35am Jordan.Thompson11



CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR CONSTRUCTION OF TEMPORARY PAVEMENT ALONG THE NORTHSIDE OF WOODARD ROAD.
3. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

REVISIONS			
6			
5			
4			
3			
2			
1			
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
STA 128+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-31 OF

DESIGNED BY:

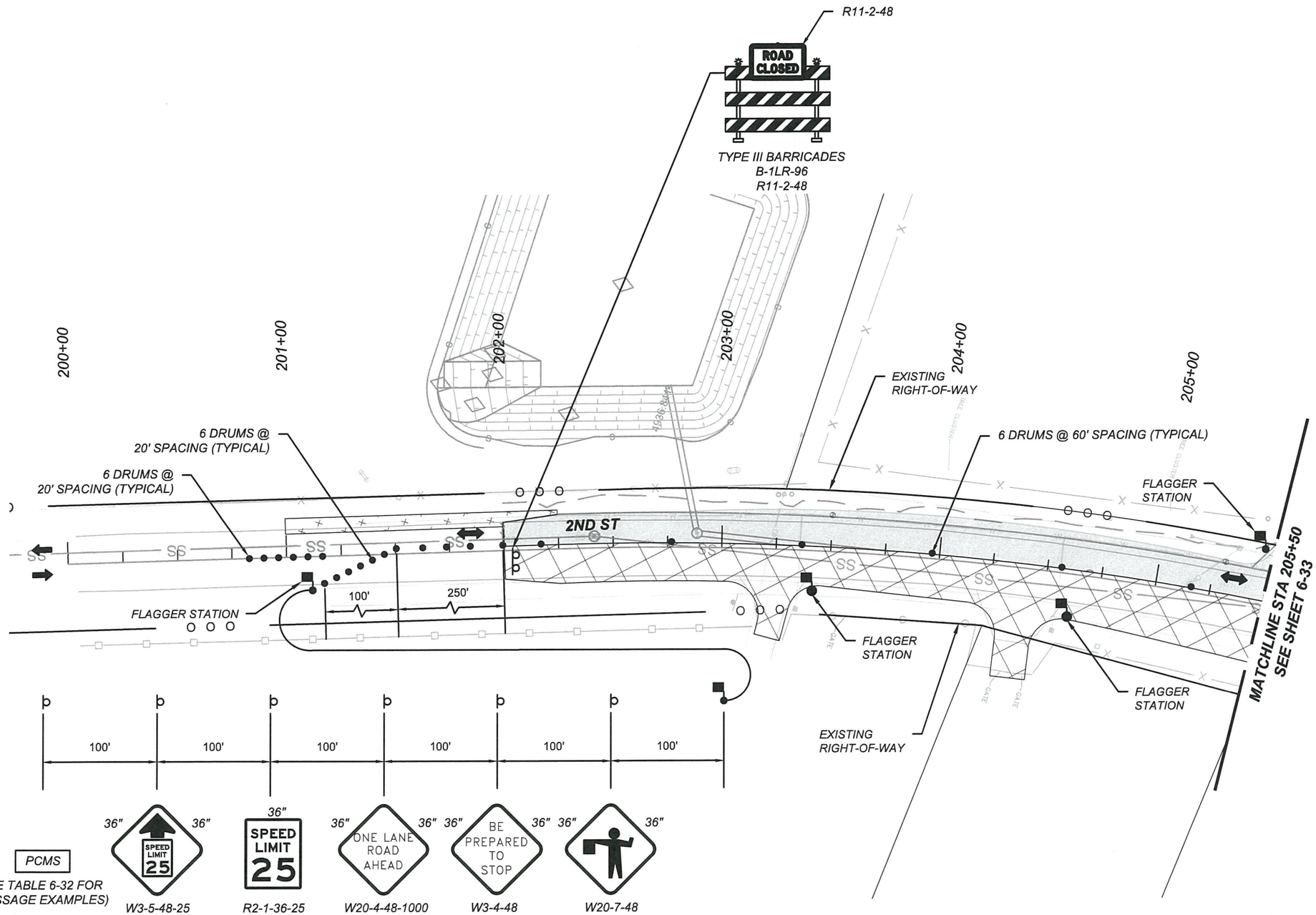
DRAWING SCALE:

NMDOT CN: A300161

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque City Engineer on Aug 12, 2020

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0118036\A300161CS_31.dwg PLOTTED: 7/25/19 - 11:35am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
⊲	CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. FLAGGERS MAY BE NEEDED AT DRIVEWAYS WHERE ONE LANE, TWO WAY TRAFFIC IS MAINTAINED.
6. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

NOTIFICATION MESSAGE	ACTION MESSAGE
ROAD WORK AHEAD	BE PREPARED TO STOP

TABLE 6-32

Plans approved by Development Review Committee and Albuquerque City Engineer Aug 22, 2020

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
BOP TO STA 205+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

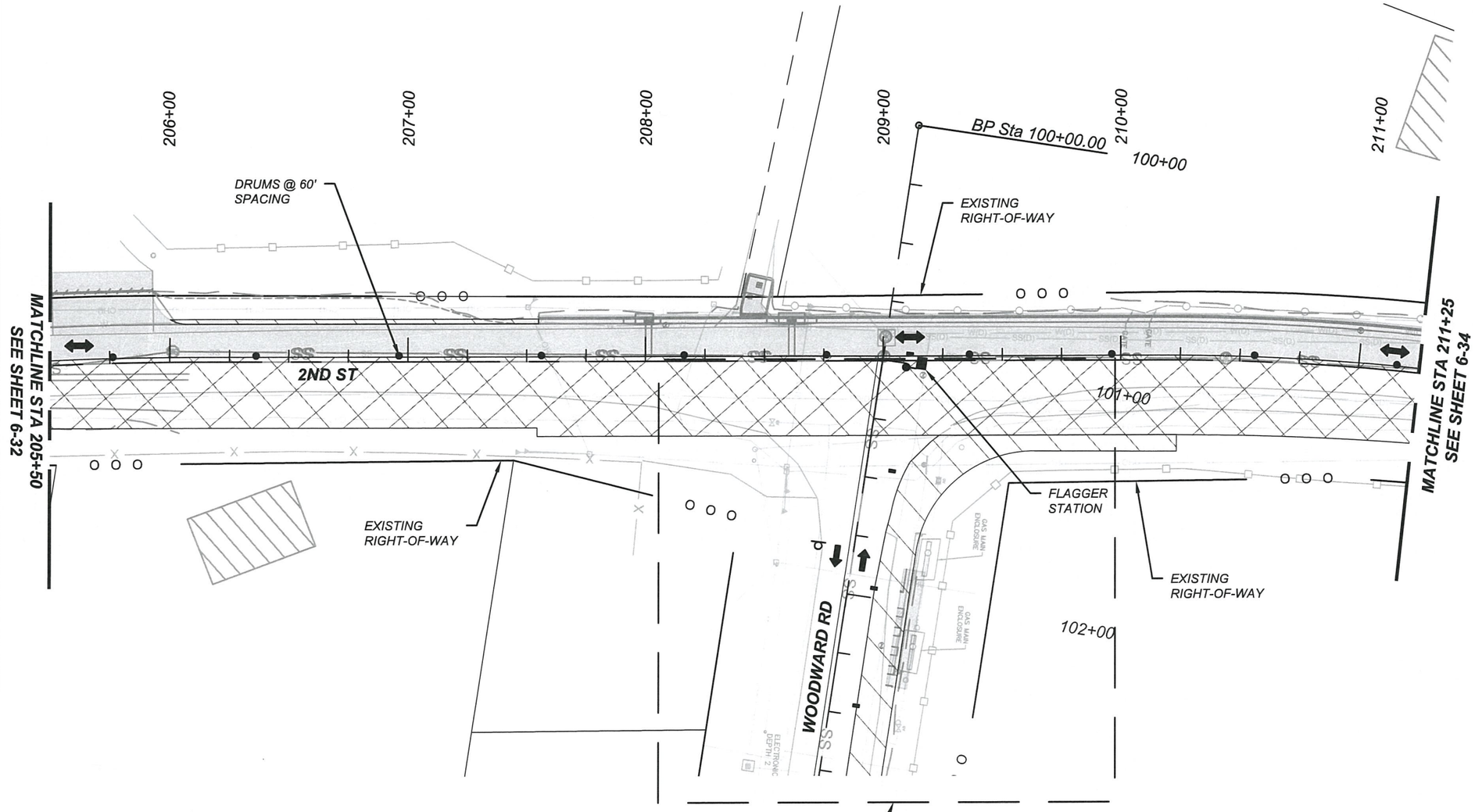
SHEET 6-32 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson39@aecom.com\d0118036\A300161CS_32.dwg PLOTTED: 7/25/19 - 11:35am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. FLAGGERS MAY BE NEEDED AT DRIVEWAYS WHERE ONE LANE, TWO WAY TRAFFIC IS MAINTAINED.
6. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Albuquerque City Engineer on [illegible] 2020.

P.V. Parvatoja 7/25/19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
STA 205+50 TO STA 211+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

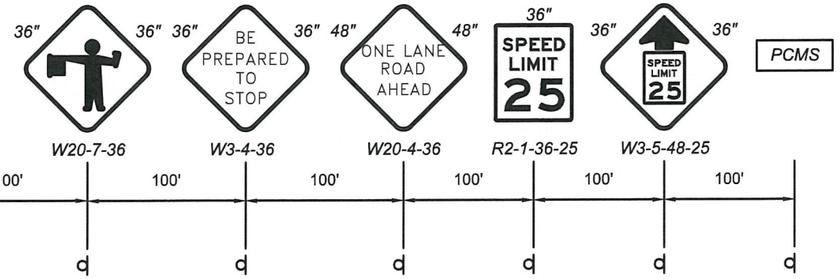
SHEET 6-33 OF

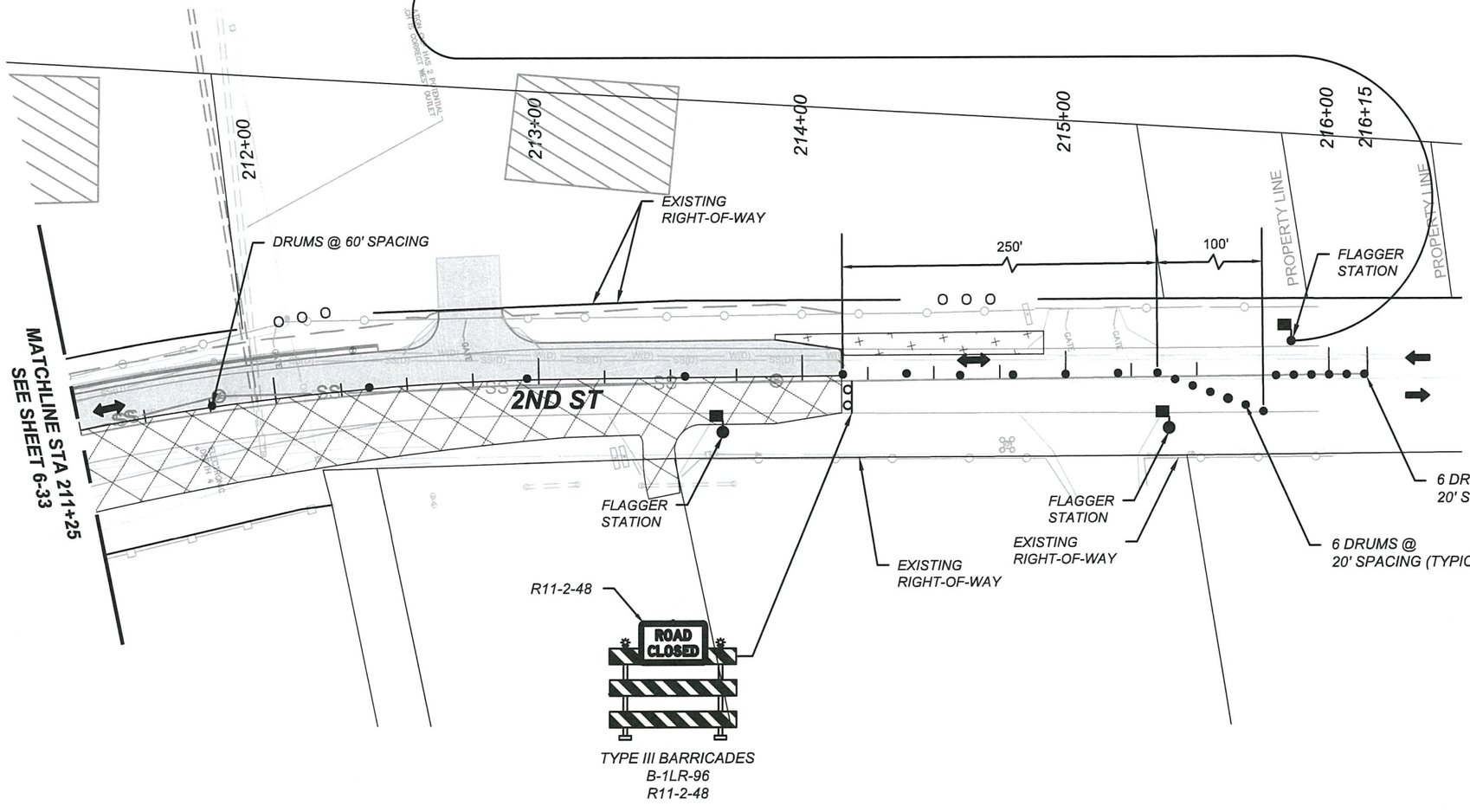
DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson3@aecom.com\d0118036\A300161CS_33.dwg PLOTTED: 7/25/19 - 11:36am Jordan.Thompson11





SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
⊓	CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE WEST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS 24 HOURS PER DAY, 7 DAYS PER WEEK.
2. MAINTAIN TWO WAY TRAFFIC FOR SHOULDER WORK ALONG THE NORTHSIDE OF WOODARD ROAD.
3. ROAD CLOSED AT RAIL CROSSING.
4. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
5. FLAGGERS MAY BE NEEDED AT DRIVEWAYS WHERE ONE LANE, TWO WAY TRAFFIC IS MAINTAINED.
6. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATAJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by Development Review Committee and Albuquerque City Engineer 7/29/2020

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

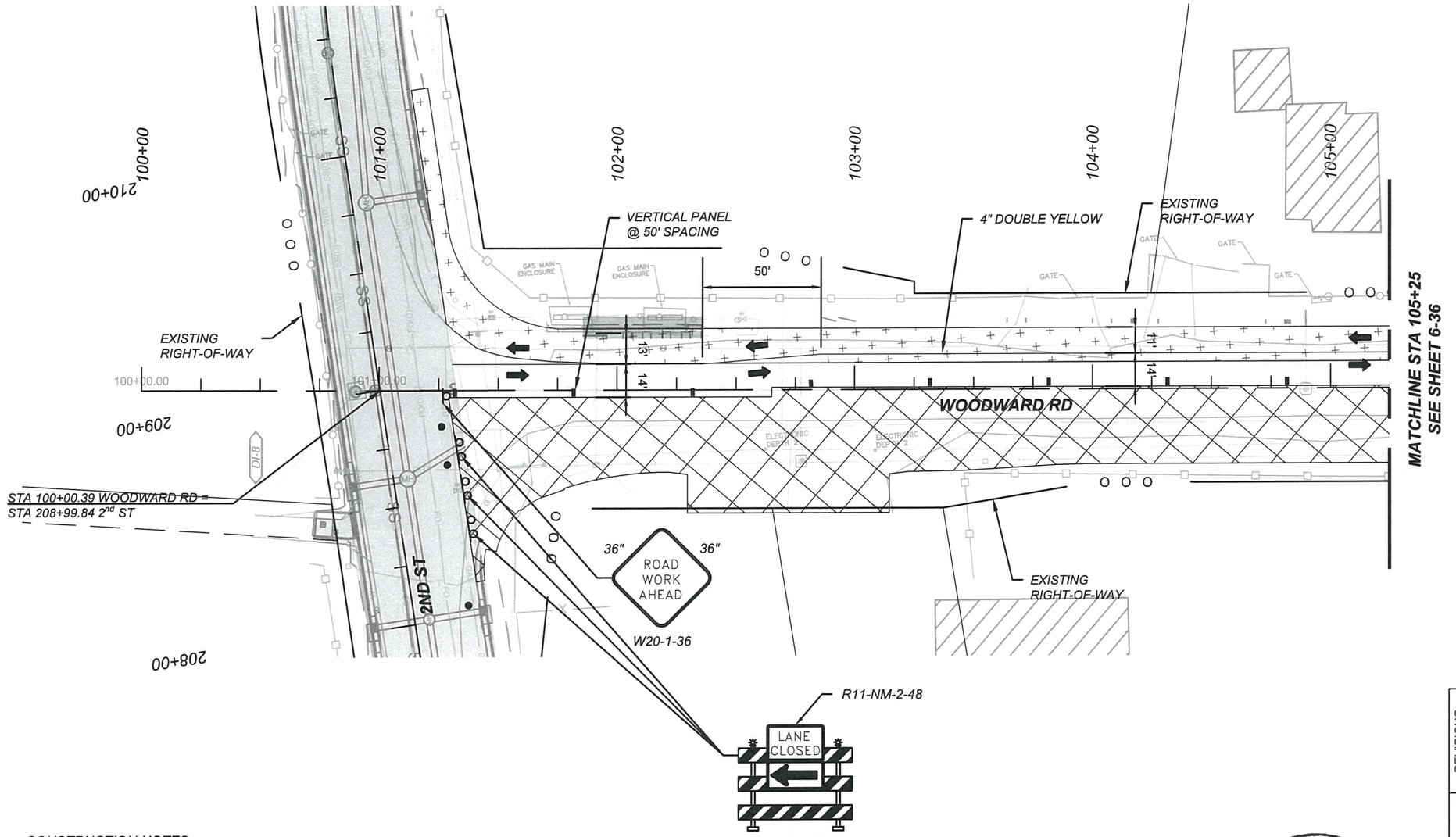
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 1 STAGE 2
STA 211+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-34 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_ad\jordan.thompson3@aecom.com\d0118036\A300161CS_34.dwg PLOTTED: 7/25/19 - 11:36am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.
2. ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .
3. MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee of the Albuquerque Bernalillo County Engineer on July 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
STA 100+00 TO STA 105+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

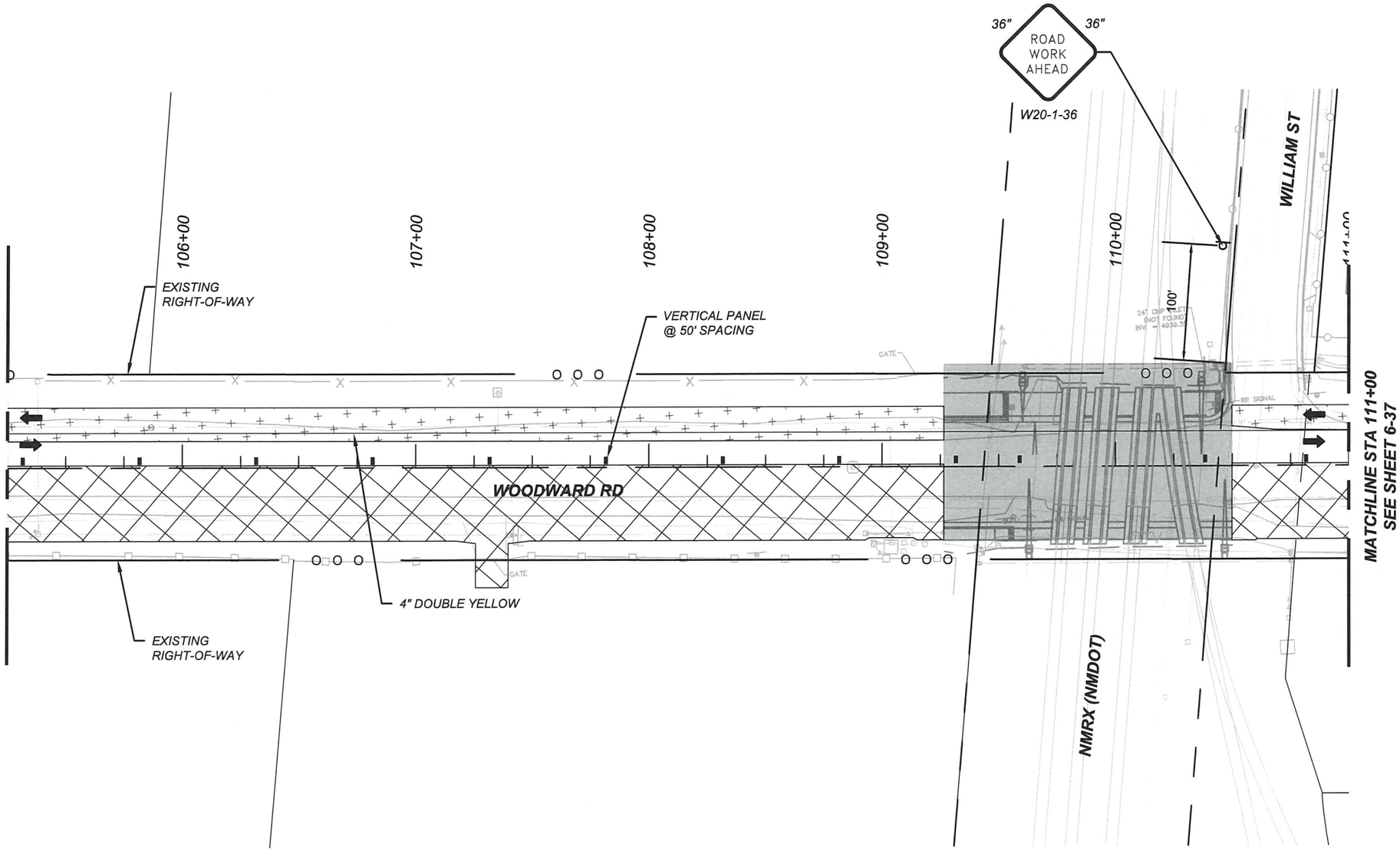
SHEET 6-35 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pw\working\aecom_ds16_na\jordan.thompson3@aecom.com\d0118036\A300161CS_35.dwg PLOTTED: 7/25/19 - 11:36am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. ONE LANE, TWO WAY TRAFFIC TAPER IS USED FOR PAVEMENT RECONSTRUCTION WORK ALONG THE EAST SIDE OF 2ND STREET. TRAFFIC IS CONTROLLED BY FLAGGERS.
2. MAINTAIN TWO WAY TRAFFIC FOR CONSTRUCTION OF TEMPORARY PAVEMENT ALONG THE NORTHSIDE OF WOODARD ROAD.
3. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA — NEW MEXICO — 17910 — PROFESSIONAL ENGINEER

7/25/19

Plans approved by Development Review Committee and Design Review Committee of the City Engineer on Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
STA 105+25 TO STA 111+00

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

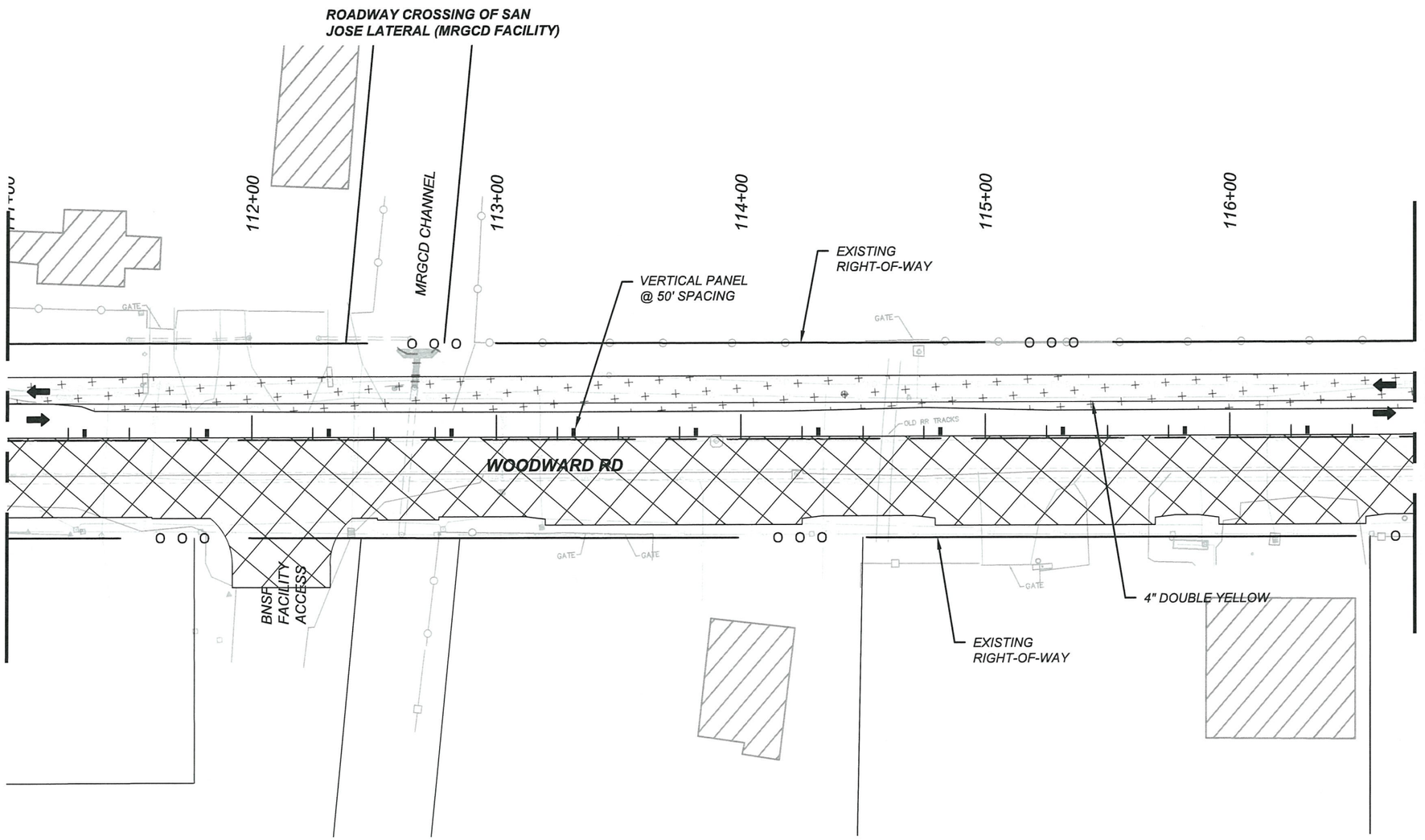
SHEET 6-36 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_ea\jordan.thompson3@aecom.com\d0118036\A300161CS_36.dwg PLOTTED: 7/25/19 - 11:37am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
d	*CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.*
2. *ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .*
3. *MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
4. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by Development Review Committee and Albuquerque City Engineer Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
STA 111+00 TO STA 116+75

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

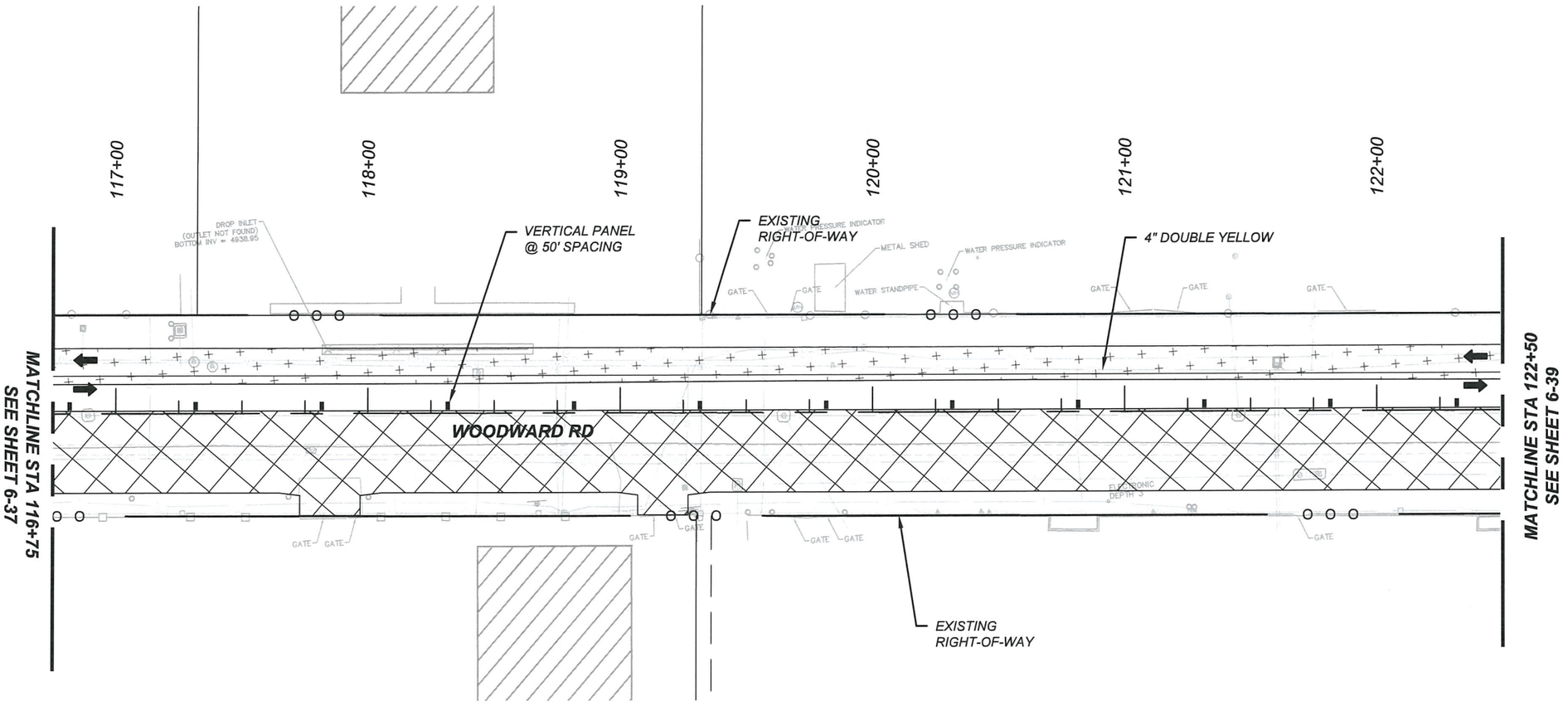
SHEET 6-37 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pw working\aecom_ds16_ca\jordan.thompson3@aecom.com\d0118036\A300161CS_37.dwg PLOTTED: 7/25/19 - 11:37am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
d	*CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.*
2. *ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .*
3. *MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
4. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Administrative Authority Engineer Sept. 22, 2020

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

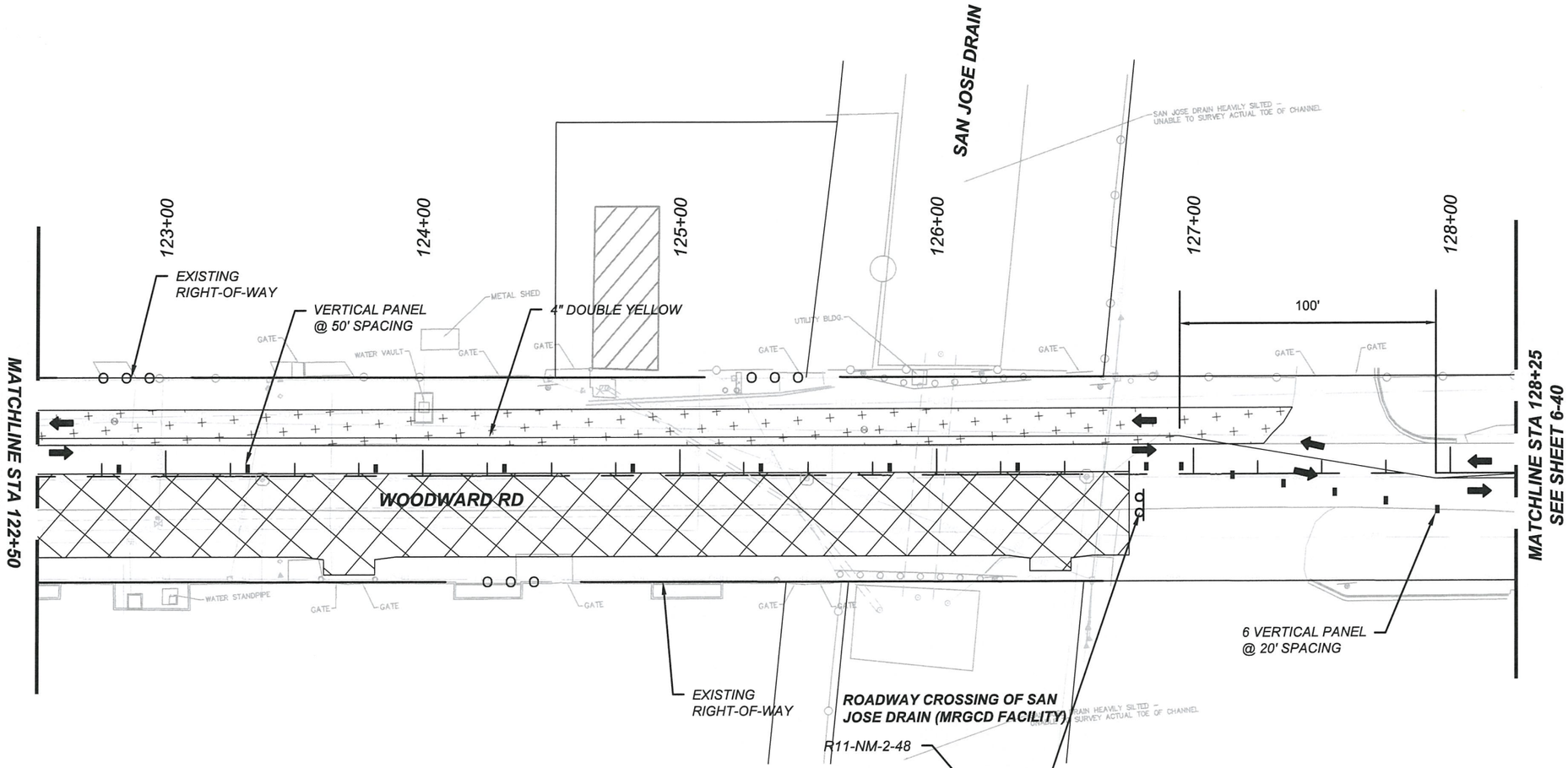
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
STA 116+75 TO STA 122+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-38 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_dts16_no\jordan.thompson3@aecom.com\d0118036\A300161CS_38.dwg PLOTTED: 7/25/19 - 11:37am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
d	CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.
2. ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .
3. MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Albuquerque Engineering Aug 22 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

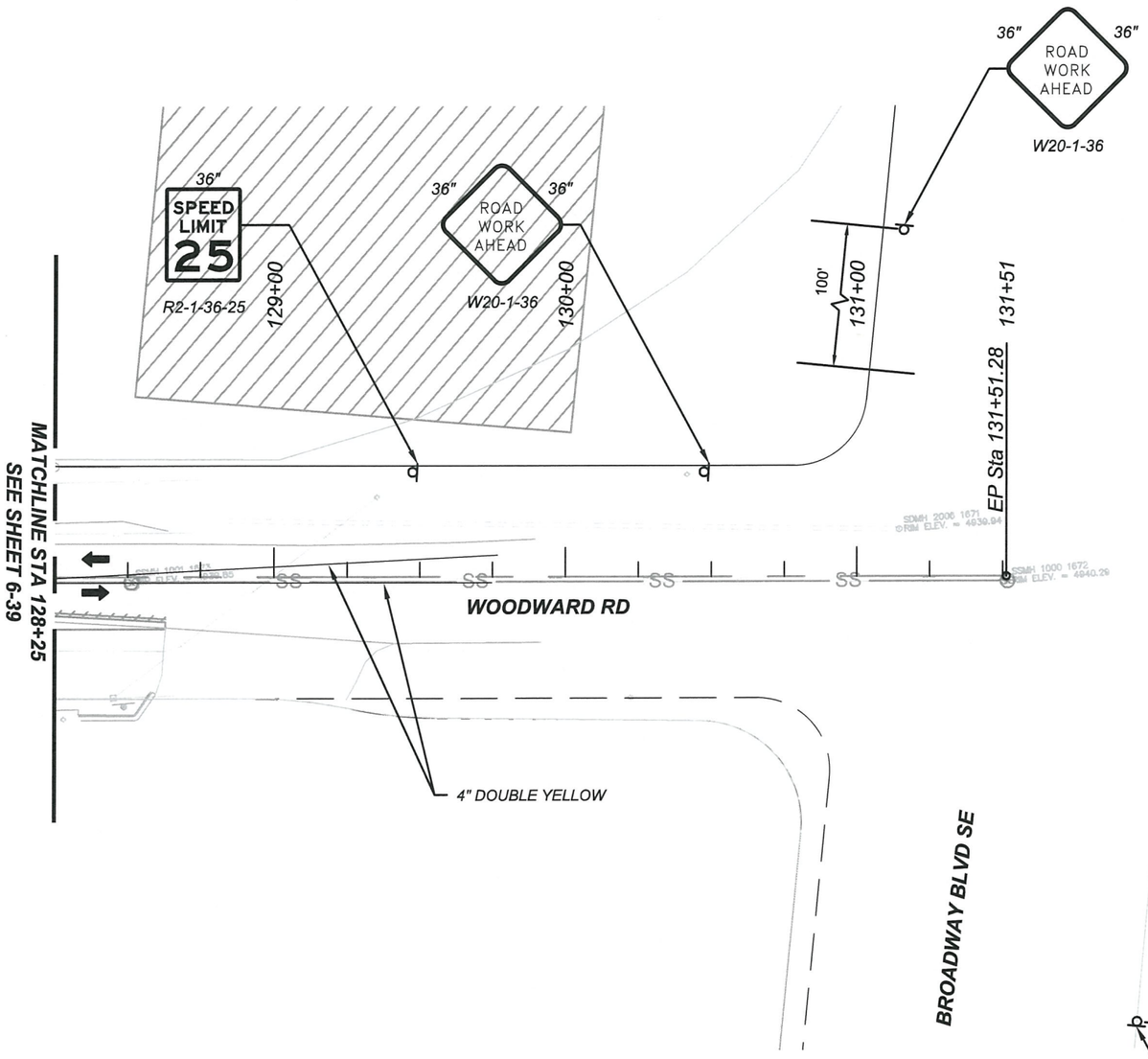
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
STA 122+50 TO STA 128+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-39 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pw\working\aecom_ds16_na\jordan.thompson39@aecom.com\d0118036\A300161CS_39.dwg PLOTTED: 7/25/19 – 11:37am Jordan.Thompson11

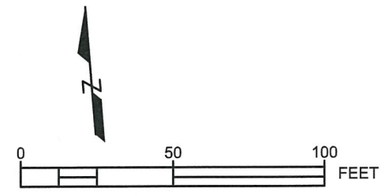


SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
⊲	*CONSTRUCTION SIGNING*



CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.*
2. *ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .*
3. *MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
4. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Traffic Review Committee and Public Works Engineer Sept. 22, 2020

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
STA 128+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-40 OF

DESIGNED BY:

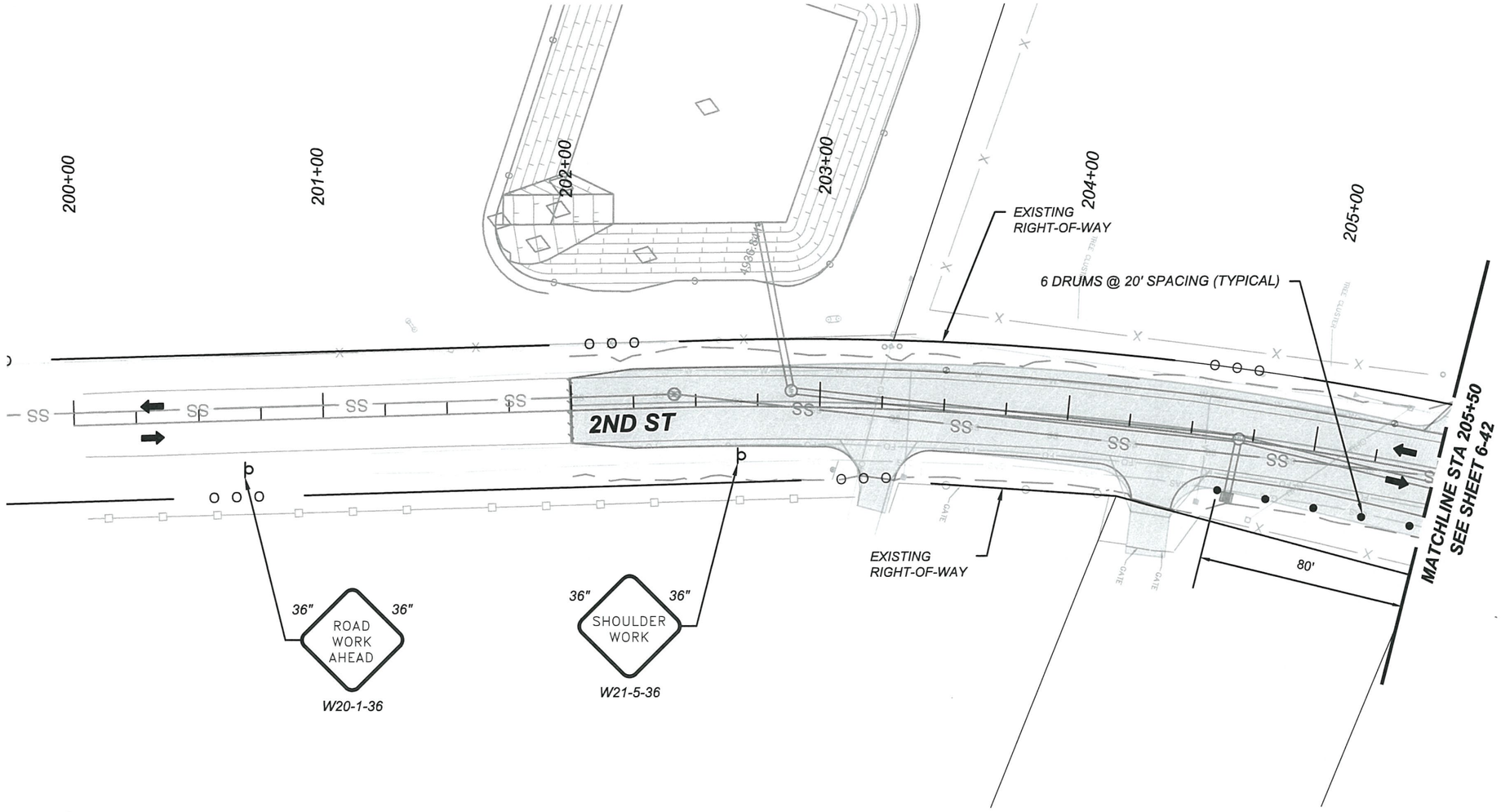
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_db16_no\jordan.thompson3@aecom.com\d0118036\A300161CS_40.dwg PLOTTED: 7/25/19 - 11:37am jordan.Thompson11

SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.



KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
	CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.
2. ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .
3. MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by Development Review Committee and Public Works Director Engineer Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
BOP TO STA 205+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

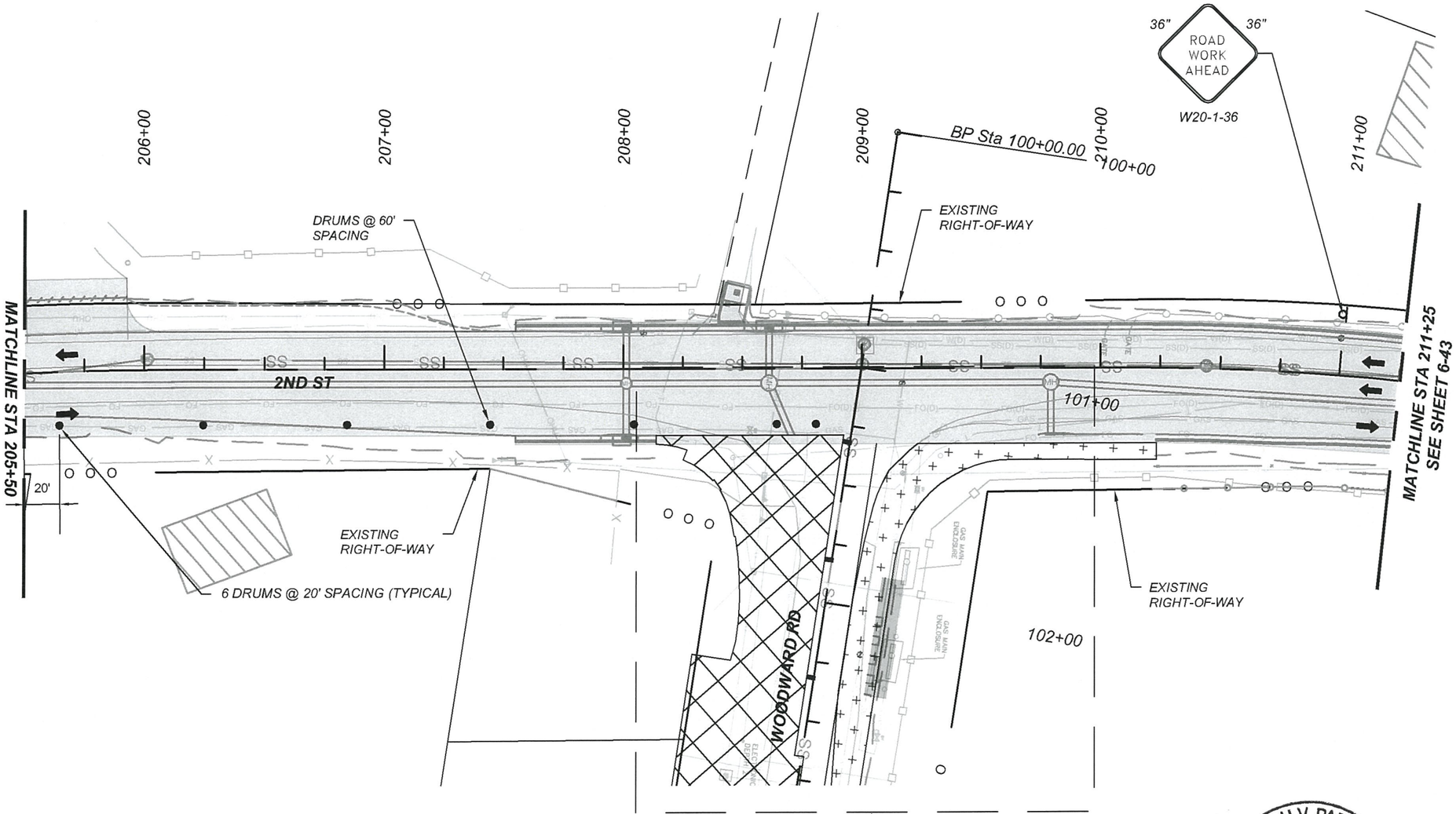
SHEET 6-41 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\jordan.thompson39@aecom.com\d0118036\A300161CS_41.dwg PLOTTED: 7/25/19 - 11:38am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.
2. ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .
3. MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee, Albuquerque City Engineer, Sept. 22, 2020.

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

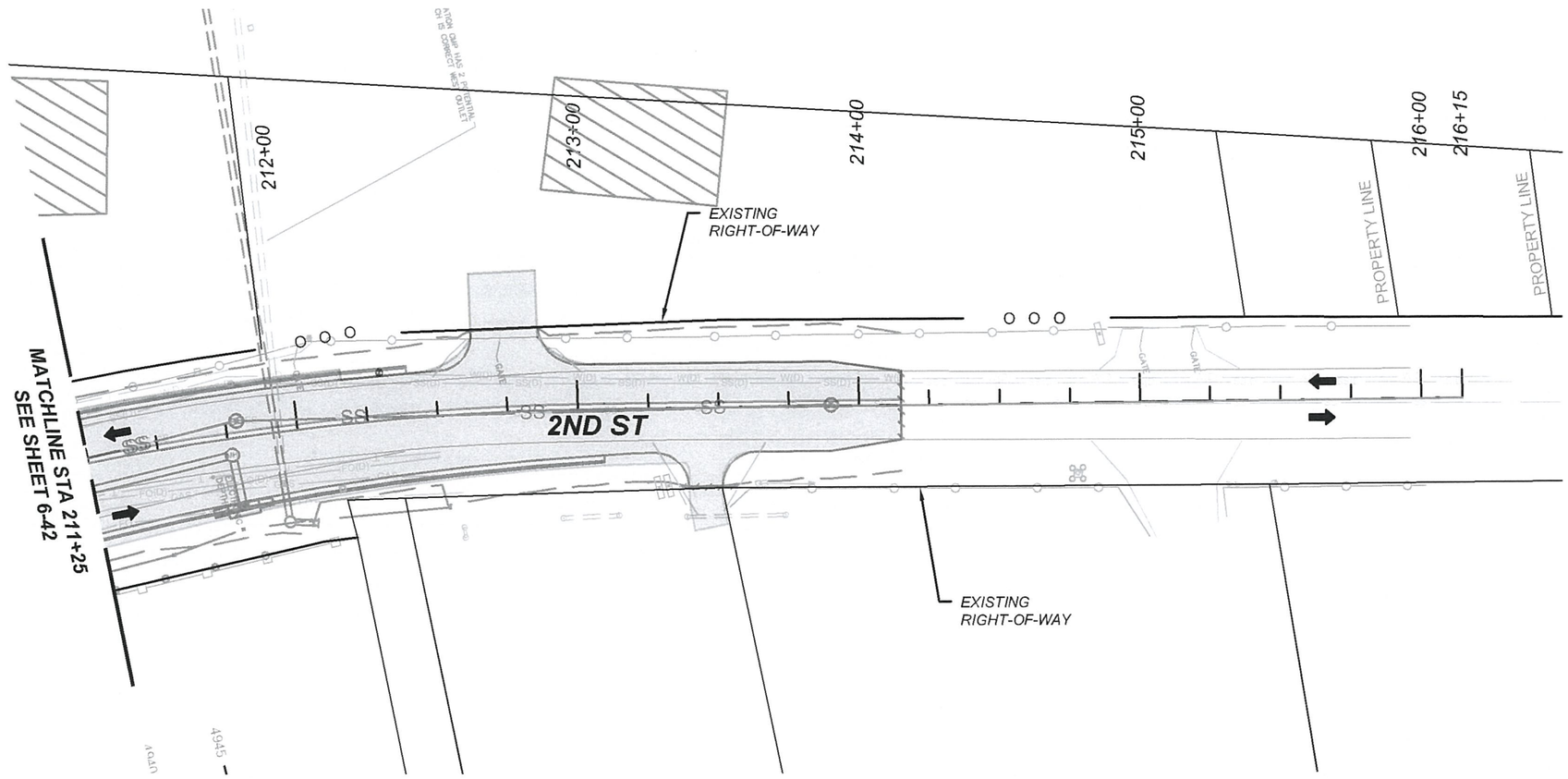
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
STA 205+50 TO STA 211+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-42 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657; C:\prewriting\\aecom_ae18_nt\armando.acevedo@aecom.com\d0118038\A300161CS_42.dwg PLOTTED: 7/25/19 - 12:47pm armando.acevedo



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
	CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.*
2. *ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .*
3. *MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
4. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Planning Authority Engineer on April 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 2
STA 211+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

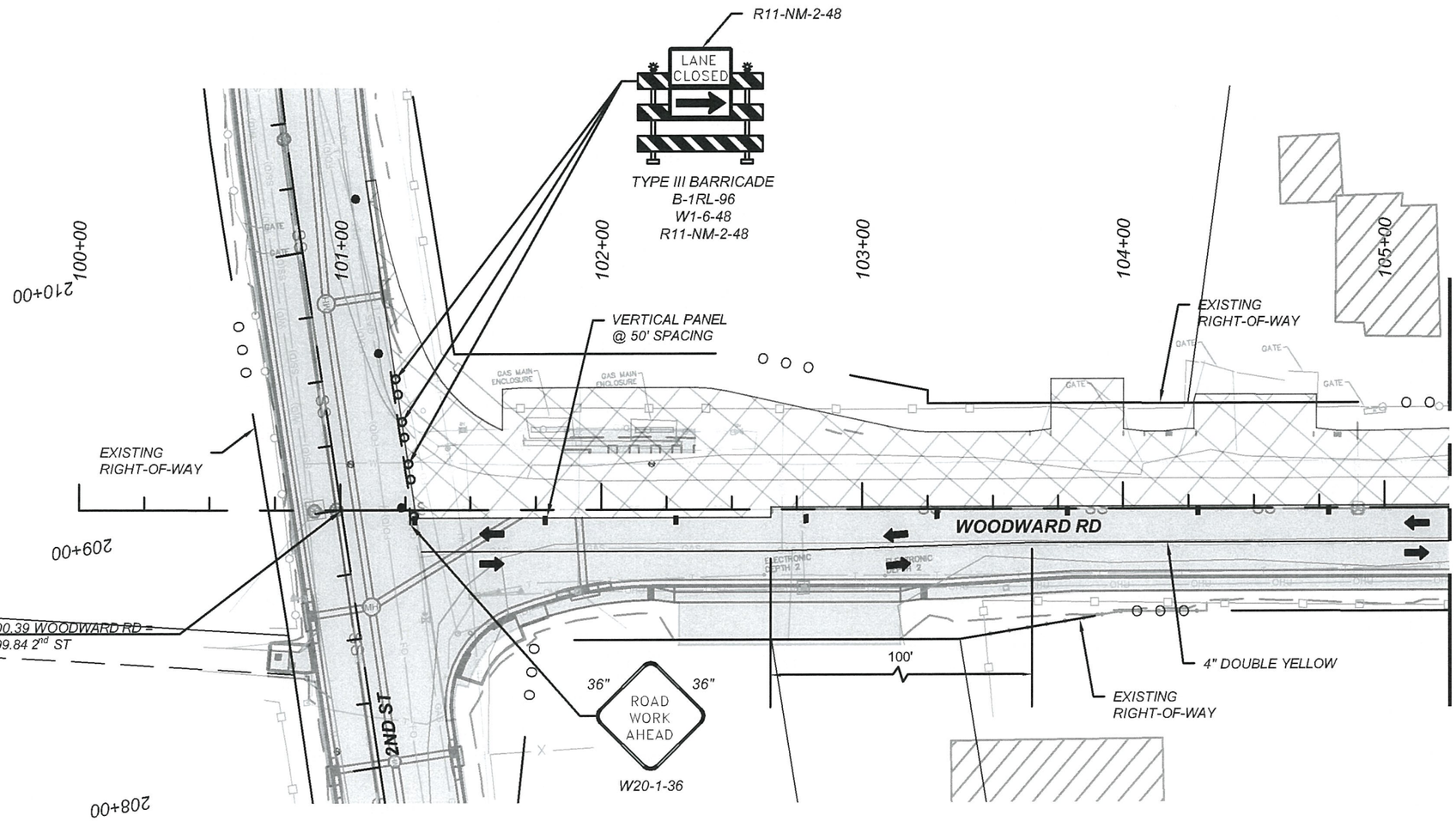
SHEET 6-43 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657: C:\prewarking\aecom...de18_nt\jordan.thompson3@aecom.com\d0118030\VA300161SL_A3.dwg PLOTTED: 7/25/19 - 11:14am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
d	*CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 2 ROADWAY CONSTRUCTION WILL BE DONE ON THE NORTH SIDE OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Albuquerque City Engineer Sept 22, 2020

7/25/18

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
STA 100+00 TO STA 105+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

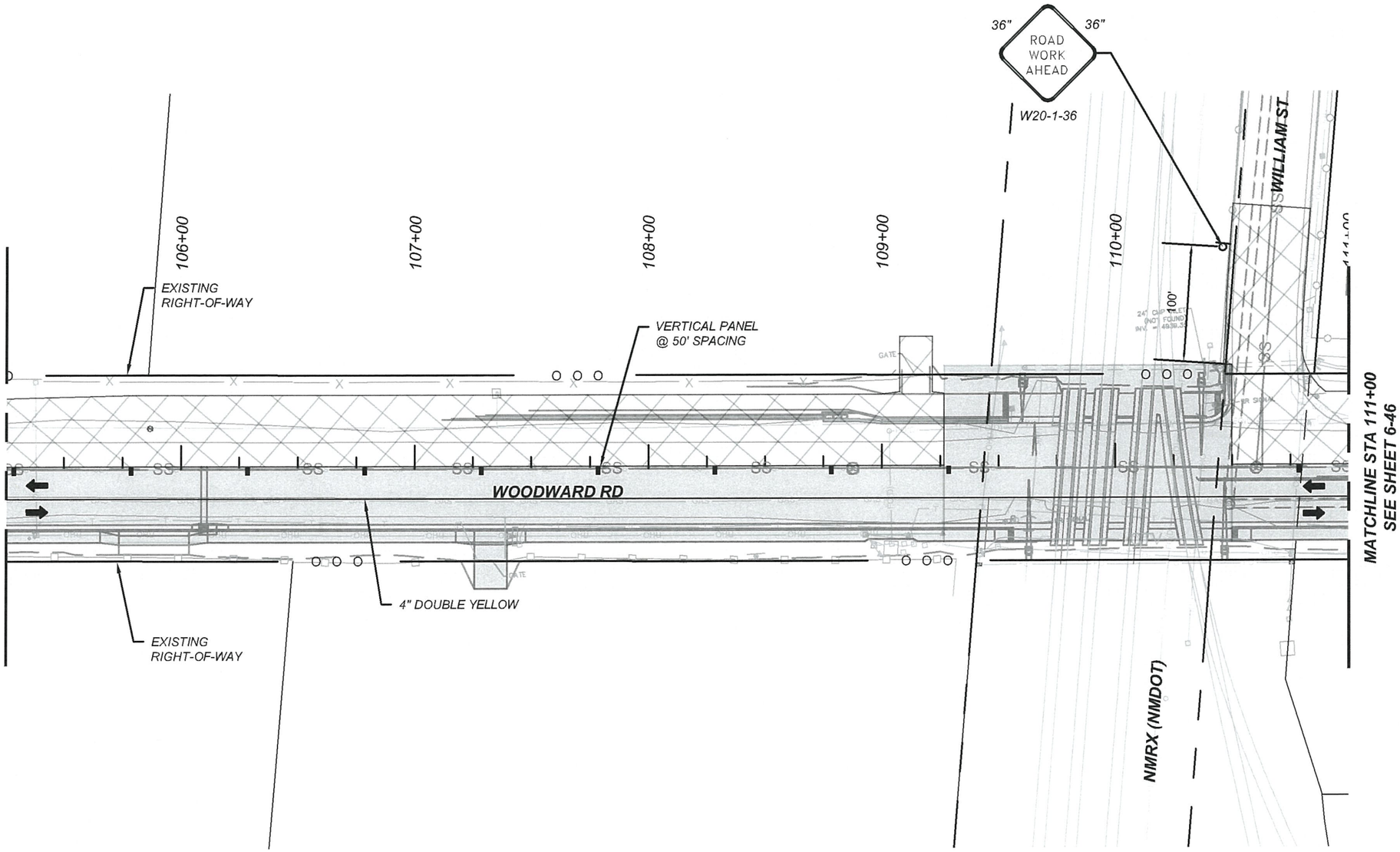
SHEET 6-44 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657: C:\prworking\aecom_de18_ma\jordan.thompson3@aecom.com\d0118038\A300161DS_44.dwg PLOTTED: 7/25/18 - 11:14am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
	CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 2 ROADWAY CONSTRUCTION WILL BE DONE ON THE NORTH SIDE OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATAM
NEW MEXICO
17910
PROFESSIONAL ENGINEER

Plans approved by DPW Review Committee and Albuquerque City Engineer on 12-22-2020.

7/25/19

REVISIONS		
6		
5		
4		
3		
2		
1		
NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
STA 105+25 TO STA 111+00

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

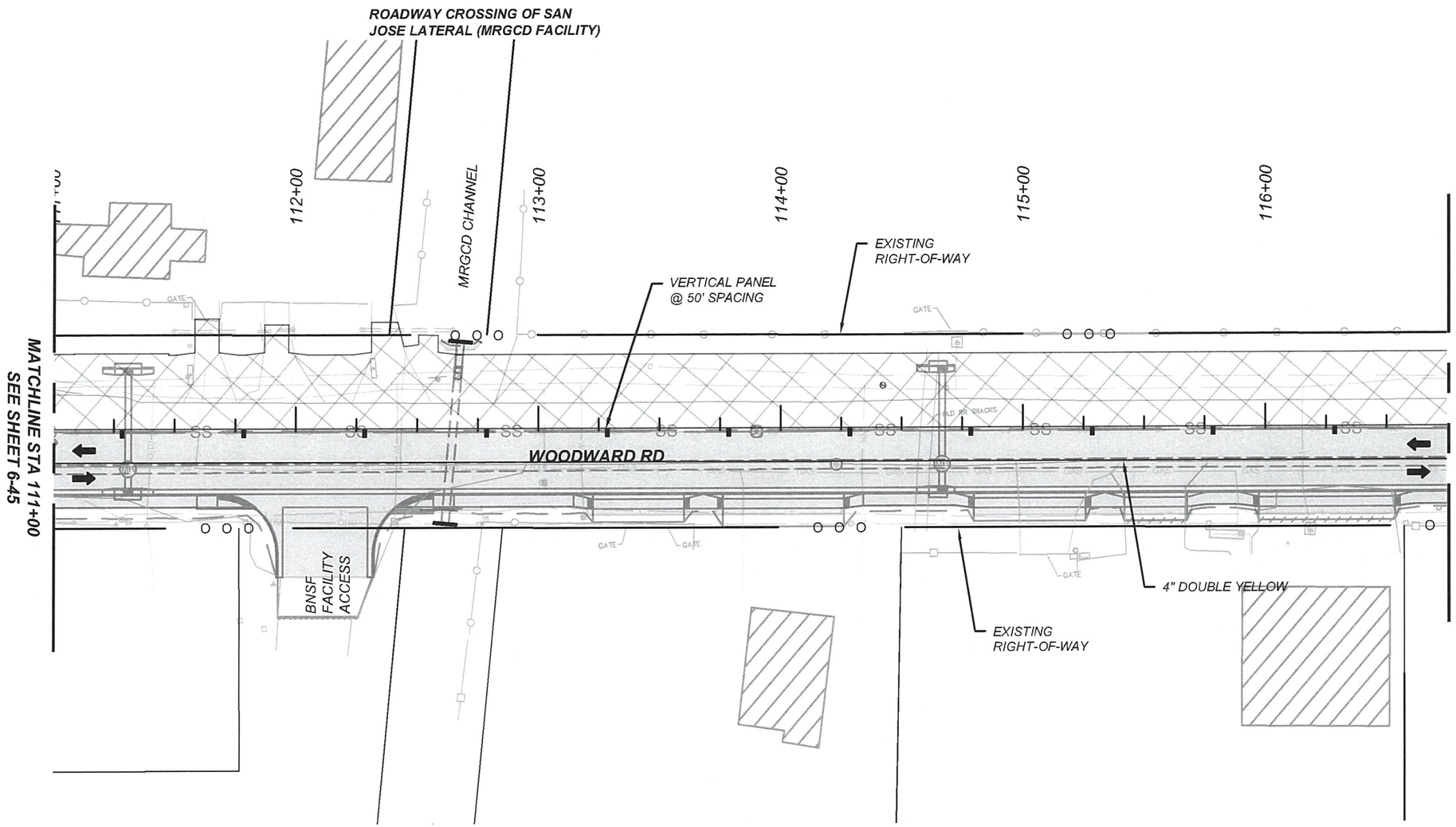
SHEET 6-45 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_de18_ea\jordan.thompson2@aecom.com\d0118035\A300161SS_45.dwg PLOTTED: 7/25/19 - 11:15am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

- PCMS — *PORTABLE CHANGEABLE MESSAGE SIGN*
- *CONSTRUCTION ZONE*
- *CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)*
- *COMPLETED TEMPORARY PAVEMENT*
- *COMPLETED CONSTRUCTION*
- *CHANNELIZATION DEVICE DRUM*
- *CHANNELIZATION DEVICE VERTICAL PANEL*
- *CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC UTILIZING TEMPORARY PAVEMENT PER PHASE 1 STAGE 2.*
2. *ROADWAY RECONSTRUCTION WILL BE DONE ON THE SOUTH SIDE OF WOODWARD ROAD .*
3. *MAINTAIN TWO WAY TRAFFIC ALONG 2ND STREET AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
4. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATAM — NEW MEXICO — 17910 — PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Acting County Engineer Sept. 22, 2021

7/25/19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
STA 111+00 TO STA 116+75

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

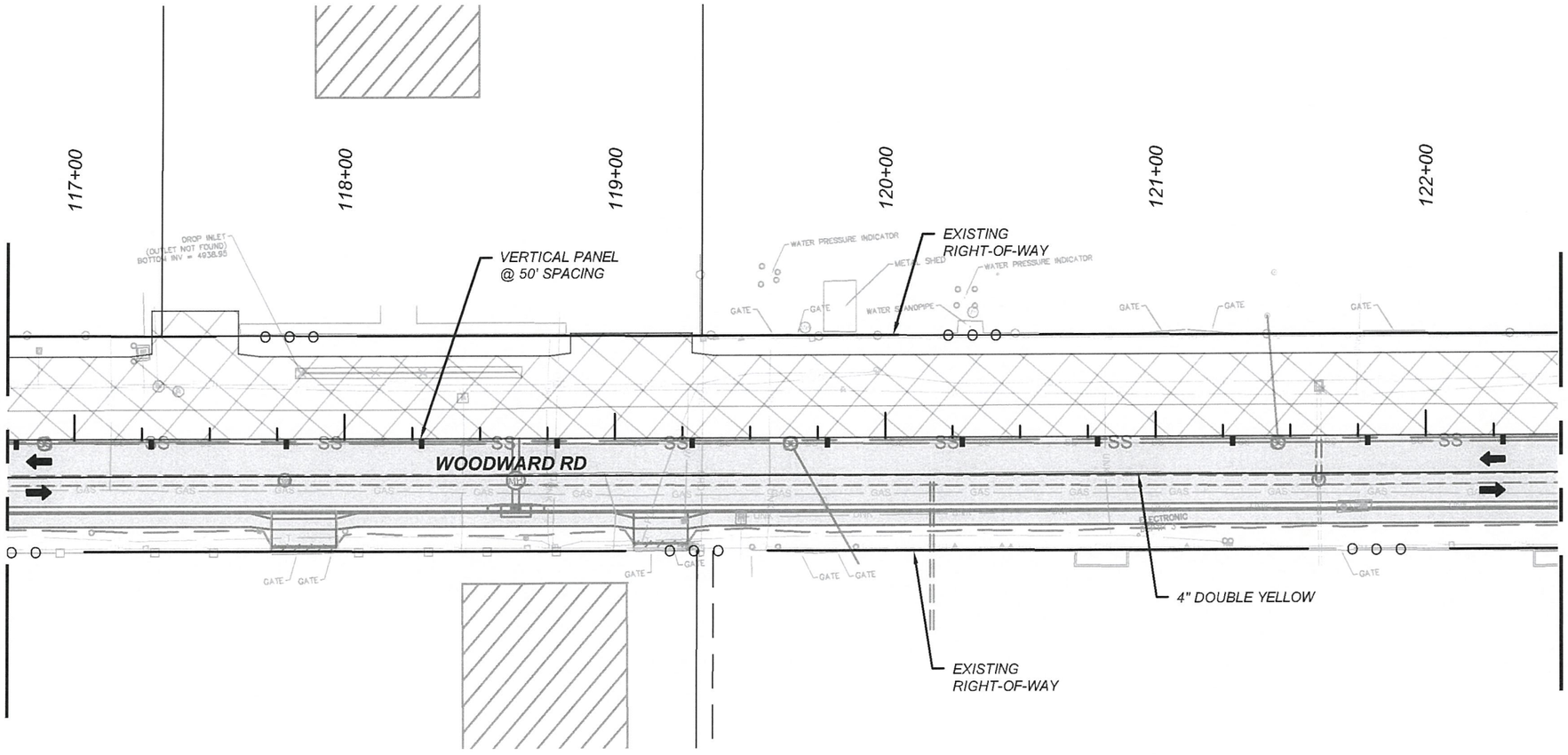
SHEET 6-46 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\prewelling\aecom_dot8_nt\jordon.thompson3@aecom.com\d0118038\A300161GS_48.dwg PLOTTED: 7/25/19 - 11:15am Jordon.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
	CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 2 ROADWAY CONSTRUCTION WILL BE DONE ON THE NORTH SIDE OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Drainage Control Engineer Sept. 22, 2020

REVISIONS			
6			
5			
4			
3			
2			
1			
NO	DATE	DESCRIPTION	

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
STA 116+75 TO STA 122+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

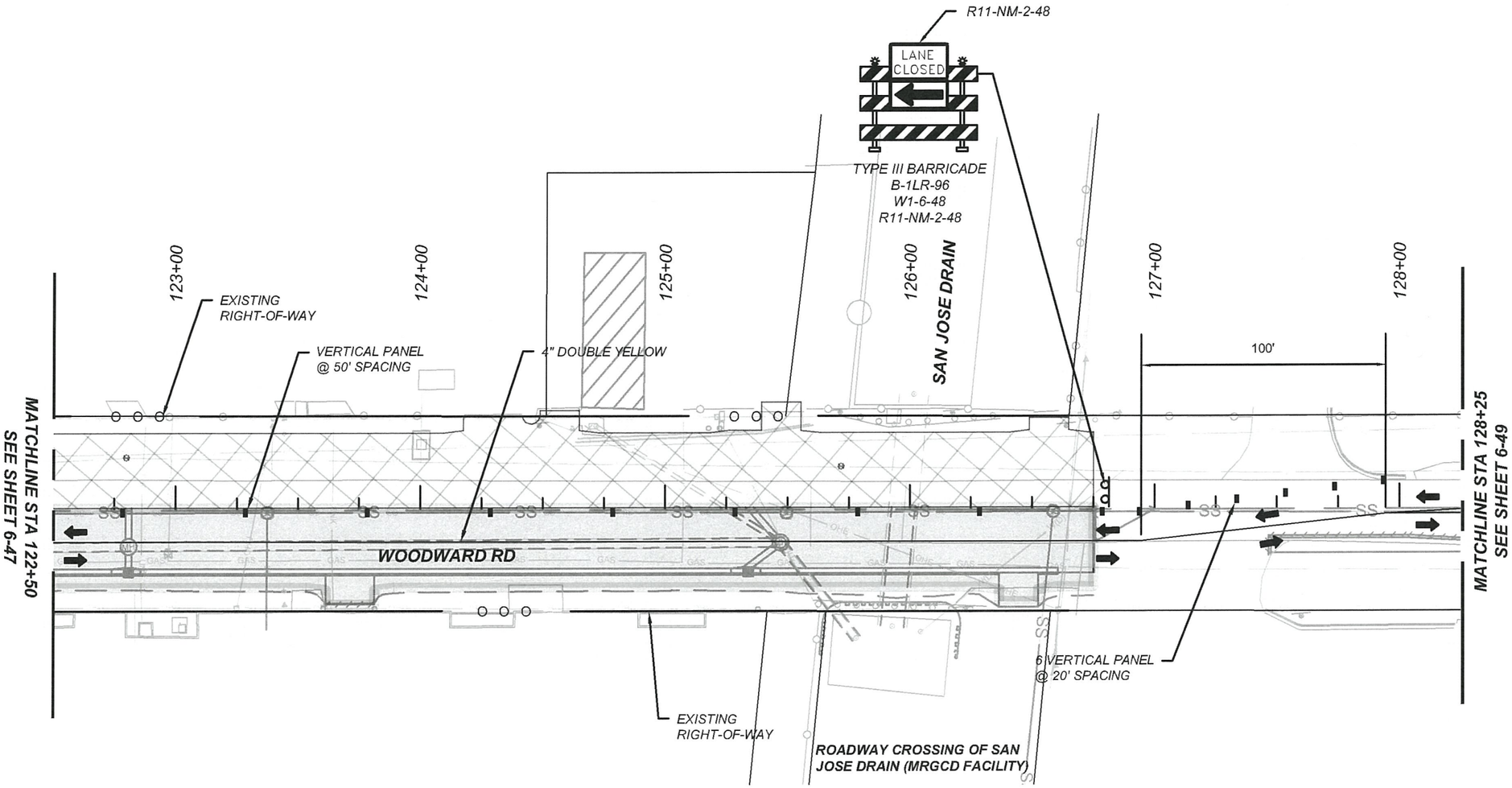
SHEET 6-47 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\prewelding\aecom_de18_ca\jordon.thompson3@aecom.com\d0118038\A300161SS_47.dwg PLOTTED: 7/25/19 - 11:15am Jordon.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 2 ROADWAY CONSTRUCTION WILL BE DONE ON THE NORTH SIDE OF WOODWARD ROAD .
2. MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
3. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque Code Engineer on Jul. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
STA 122+50 TO STA 128+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

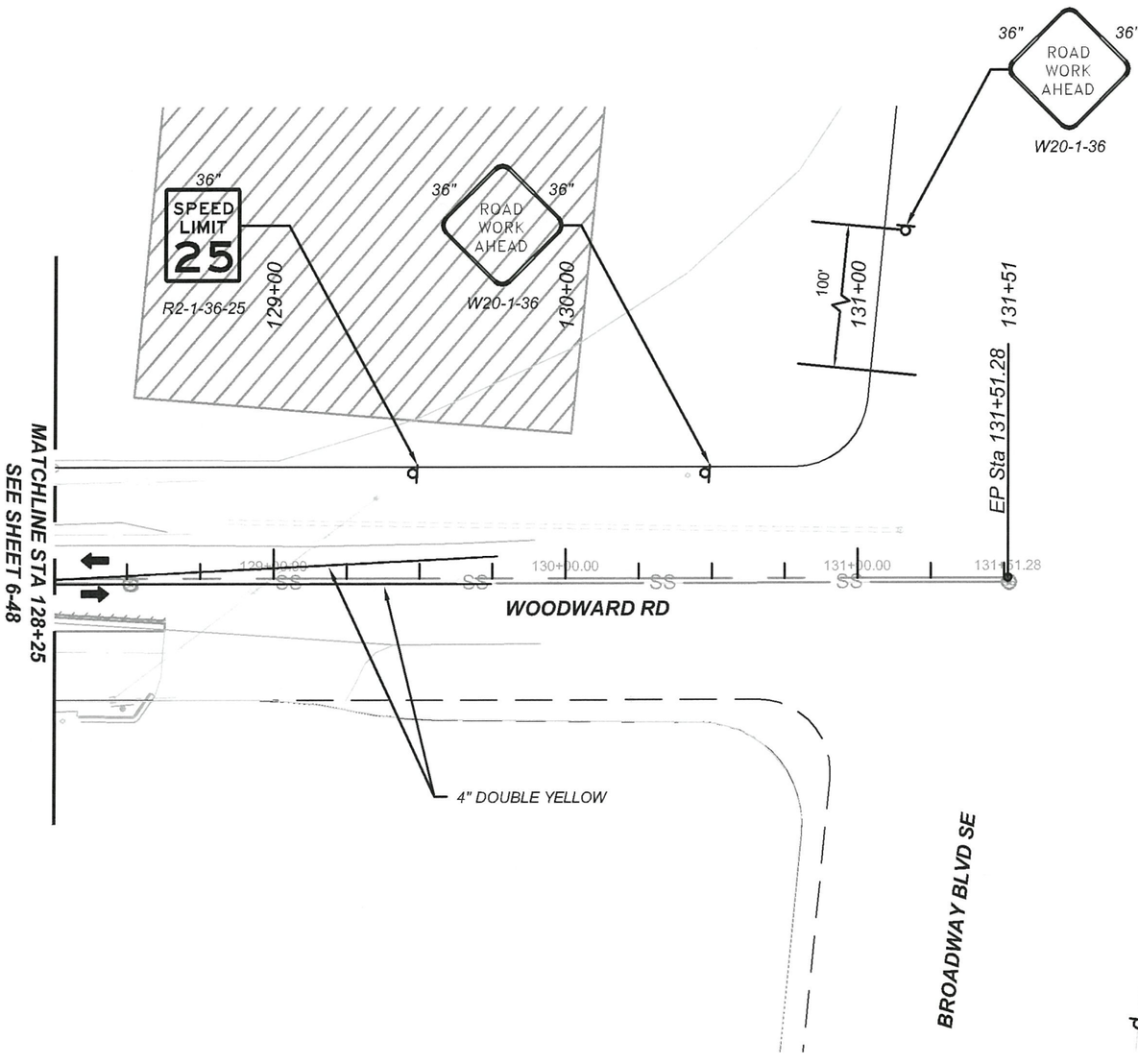
SHEET 6-48 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\jacom_de18_ma\jordan.thompson3@aecom.com\d0118035\A300161SS_48.dwg PLOTTED: 7/25/19 - 11:16am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 2 ROADWAY CONSTRUCTION WILL BE DONE ON THE NORTH SIDE OF WOODWARD ROAD .
2. MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
3. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
STA 128+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

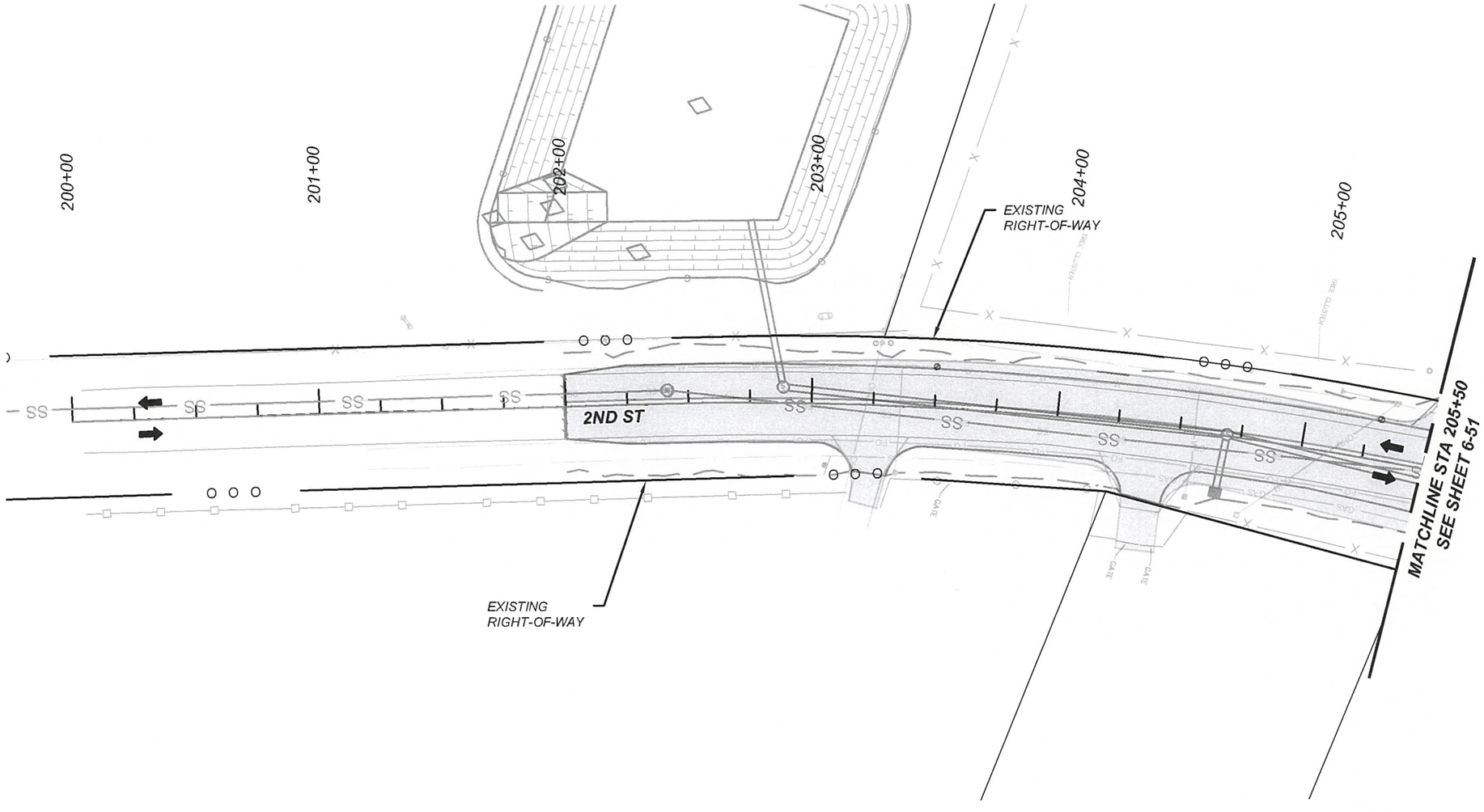
SHEET 6-49 OF

SURESH V. PARVATHA — NEW MEXICO — 17910 — PROFESSIONAL ENGINEER
7/25/19

Plans approved by the Development Review Committee and Albuquerque Development Engineering on Sept. 22, 2020

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657, C:\preweting\aecom_de18_nm\jordon.thompson3@aecom.com\p0118035\A300161DS_49.dwg PLOTTED: 7/25/19 - 11:16am jordon.thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 2 ROADWAY CONSTRUCTION WILL BE DONE ON THE NORTH SIDE OF WOODWARD ROAD .
2. MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
3. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque Public Works Engineer on July 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
BOP TO STA 205+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-50 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwwerking\\aecom...de18_ne\\jordon.thompson3@aecom.com\d0118038\A300161CS_50.dwg PLOTTED: 7/25/19 - 11:18am Jordon.Thompson11

206+00
207+00
208+00
209+00
BP Sta 100+00.00
210+00
100+00
211+00
EXISTING RIGHT-OF-WAY
DRUMS @ 60' SPACING
MATCHLINE STA 205+50 SEE SHEET 6-50
2ND ST
101+00
MATCHLINE STA 211+25 SEE SHEET 6-52
EXISTING RIGHT-OF-WAY
36"
36"
ROAD WORK AHEAD
W20-1-36
WOODWARD RD
102+00
EXISTING RIGHT-OF-WAY
(SEE SHEET 6-44 FOR TRAFFIC CONTROL PLAN DETAILS)

SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CONSTRUCTION ZONE
- CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
- COMPLETED TEMPORARY PAVEMENT
- COMPLETED CONSTRUCTION
- CHANNELIZATION DEVICE DRUM
- CHANNELIZATION DEVICE VERTICAL PANEL
- CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 2 ROADWAY CONSTRUCTION WILL BE DONE ON THE NORTH SIDE OF WOODWARD ROAD .
2. MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
3. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER

Plans approved by the Development Review Committee and Albuquerque City Engineer, Sept. 25, 2020.

9/25/20

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

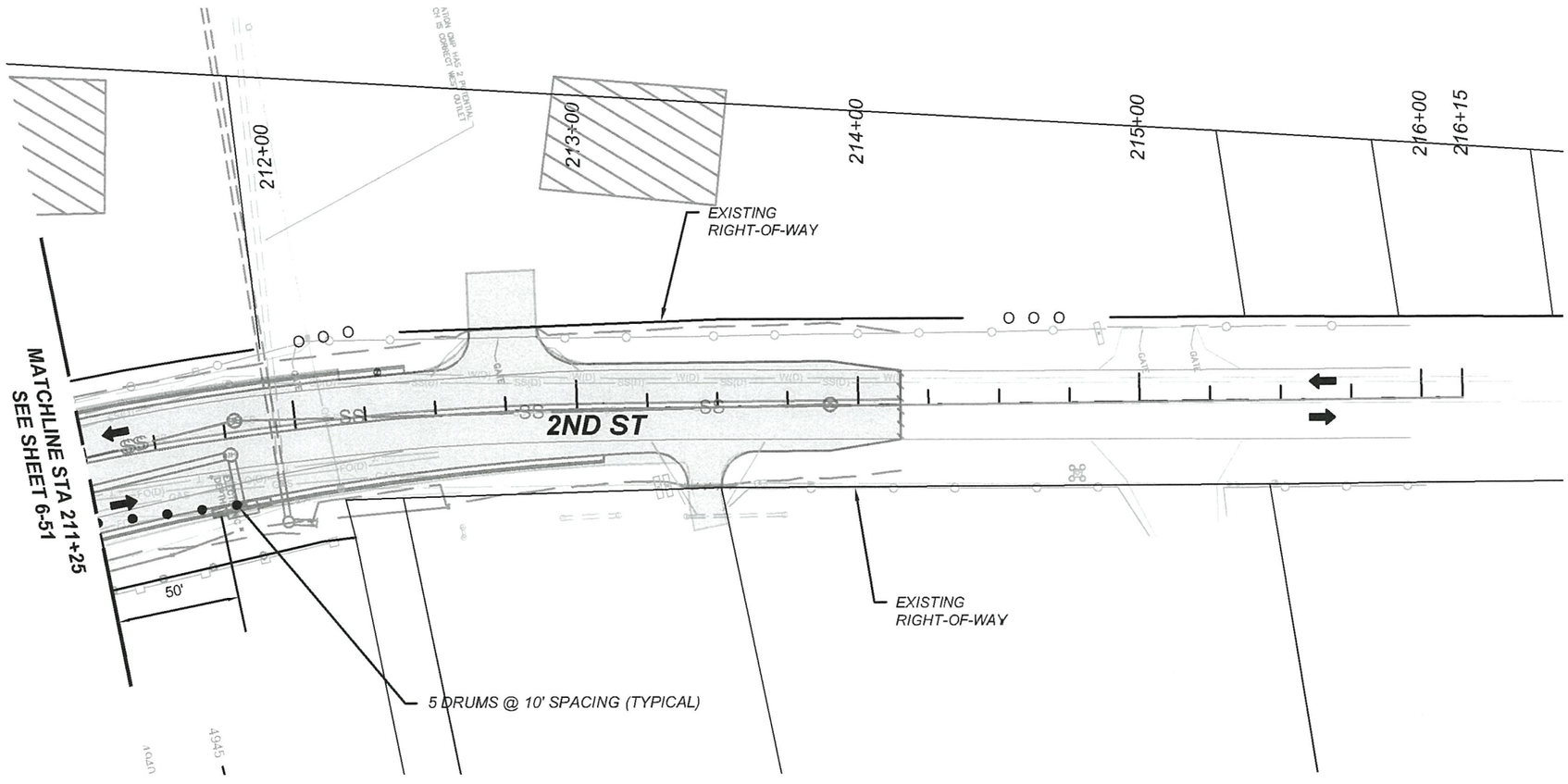
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
STA 205+50 TO STA 211+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-51 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwrwise\ejwcom_dst1_nt\armando.acuoste@aecom.com\d0118039\A300161CS_51.dwg PLOTTED: 7/25/10 - 12:26pm armando.acuoste



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
	CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 2 ROADWAY CONSTRUCTION WILL BE DONE ON THE NORTH SIDE OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOM
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Administrative Engineer on 4.22.2020

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

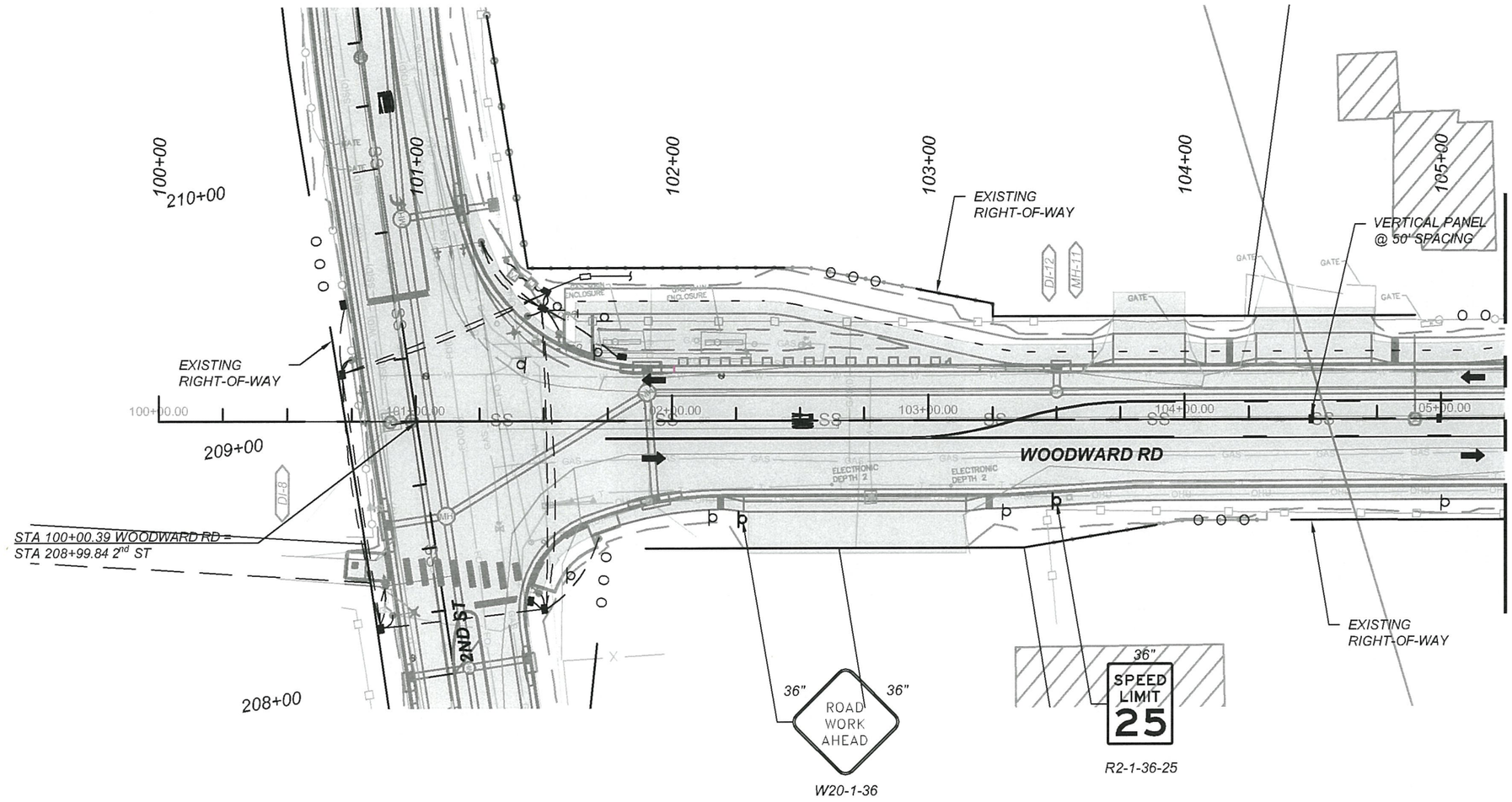
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 3
STA 211+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-52 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_de18_nt\jordon.thompson3@aecom.com\d0118036\A300161CS_S2.dwg PLOTTED: 7/26/19 - 11:17am Jordon.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
d	*CONSTRUCTION SIGNING*

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
P.V. Suresh
7/29/19

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 2, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
STA 100+00 TO STA 105+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

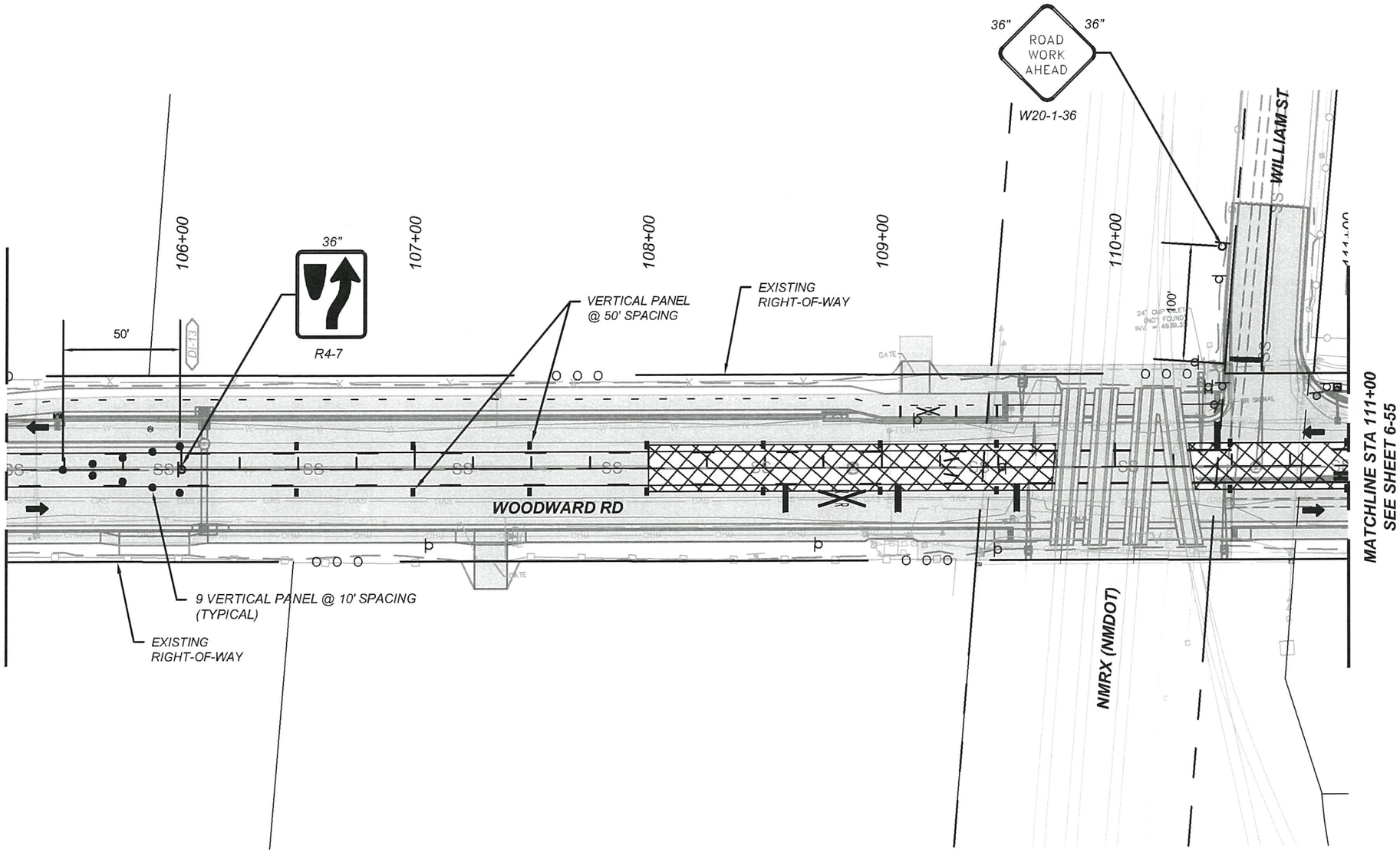
SHEET 6-53 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657: C:\prewriting\\aecom_ae18_ne\\ormando.acuscelo@aecom.com\\d0118038\\A300161CS_S3.dwg PLOTTED: 7/26/19 - 12:36pm ormando.acuscelo



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
d	*CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee of Albuquerque Engineering, July 22, 2019

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
STA 105+25 TO STA 111+00

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

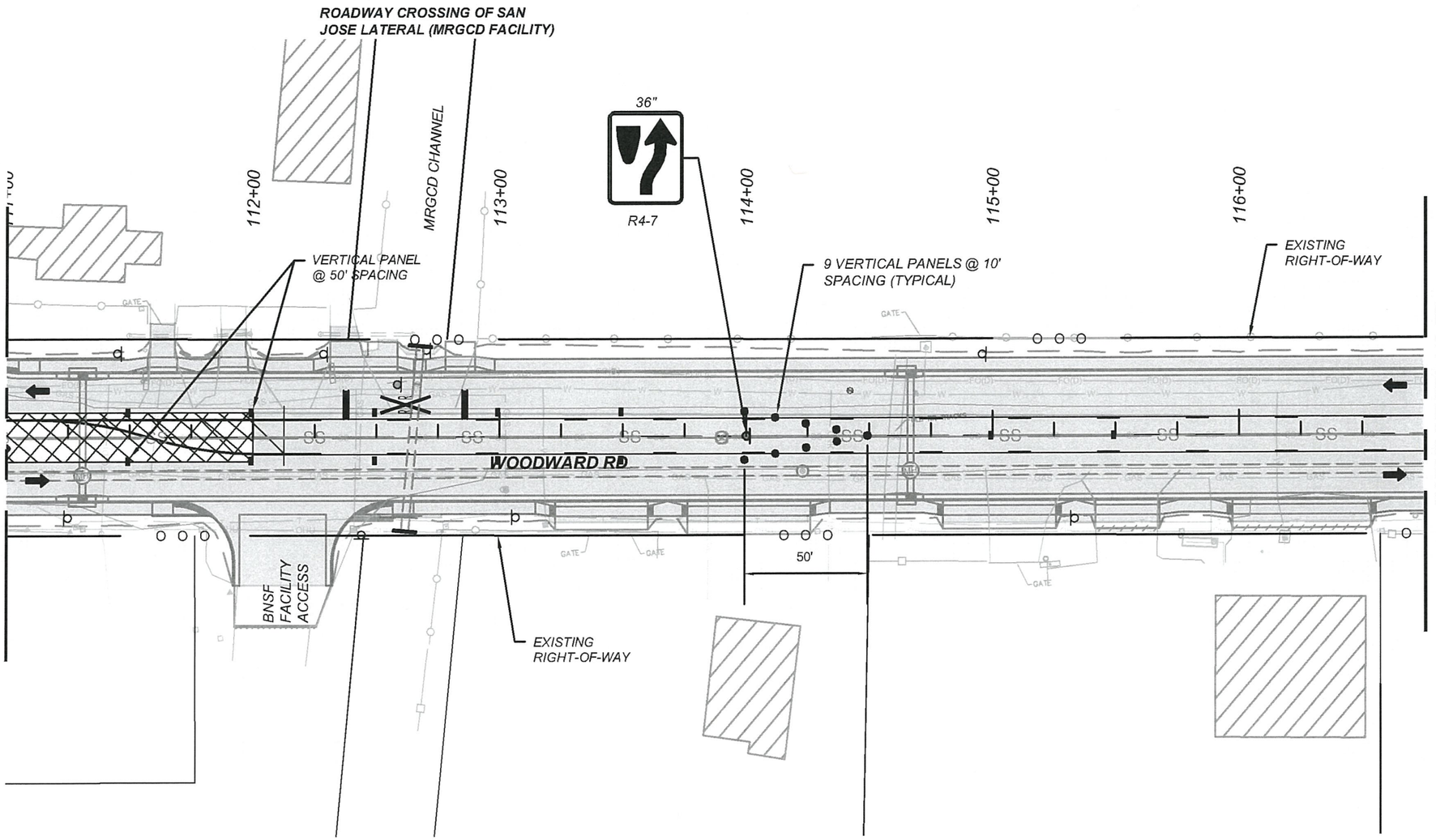
SHEET 6-54 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_de18_ca\Jordon.Thompson3@aecom.com\d0118038\A300161CS_54.dwg PLOTTED: 7/25/19 - 11:18am Jordon.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

- PCMS — *PORTABLE CHANGEABLE MESSAGE SIGN*
- *CONSTRUCTION ZONE*
- *CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)*
- *COMPLETED TEMPORARY PAVEMENT*
- *COMPLETED CONSTRUCTION*
- *CHANNELIZATION DEVICE DRUM*
- *CHANNELIZATION DEVICE VERTICAL PANEL*
- d — *CONSTRUCTION SIGNING*

N

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque City Engineer Sept. 22, 20

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
STA 111+00 TO STA 116+75

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

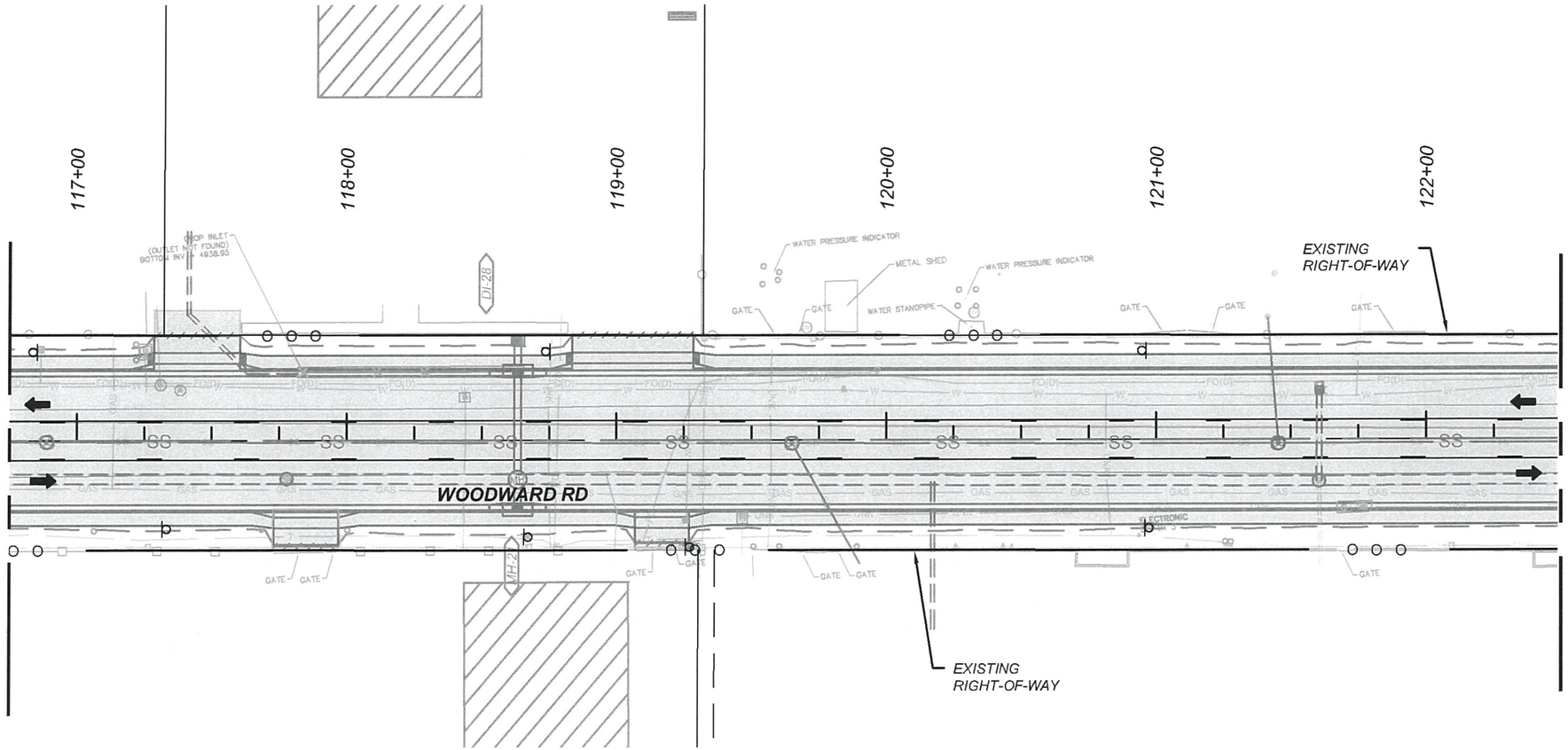
SHEET 6-55 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657.C:\pwwerking\aecom_dst1l_nt\Jordan.Thompson3@aecom.com\d0118036\A300181CS_55.dwg PLOTTED: 7/25/19 - 11:18am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
⊲	CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .
2. MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
3. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Traffic Review Committee and Planning Dept. Chief Engineer, Sept. 22, 2021

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
STA 116+75 TO STA 122+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

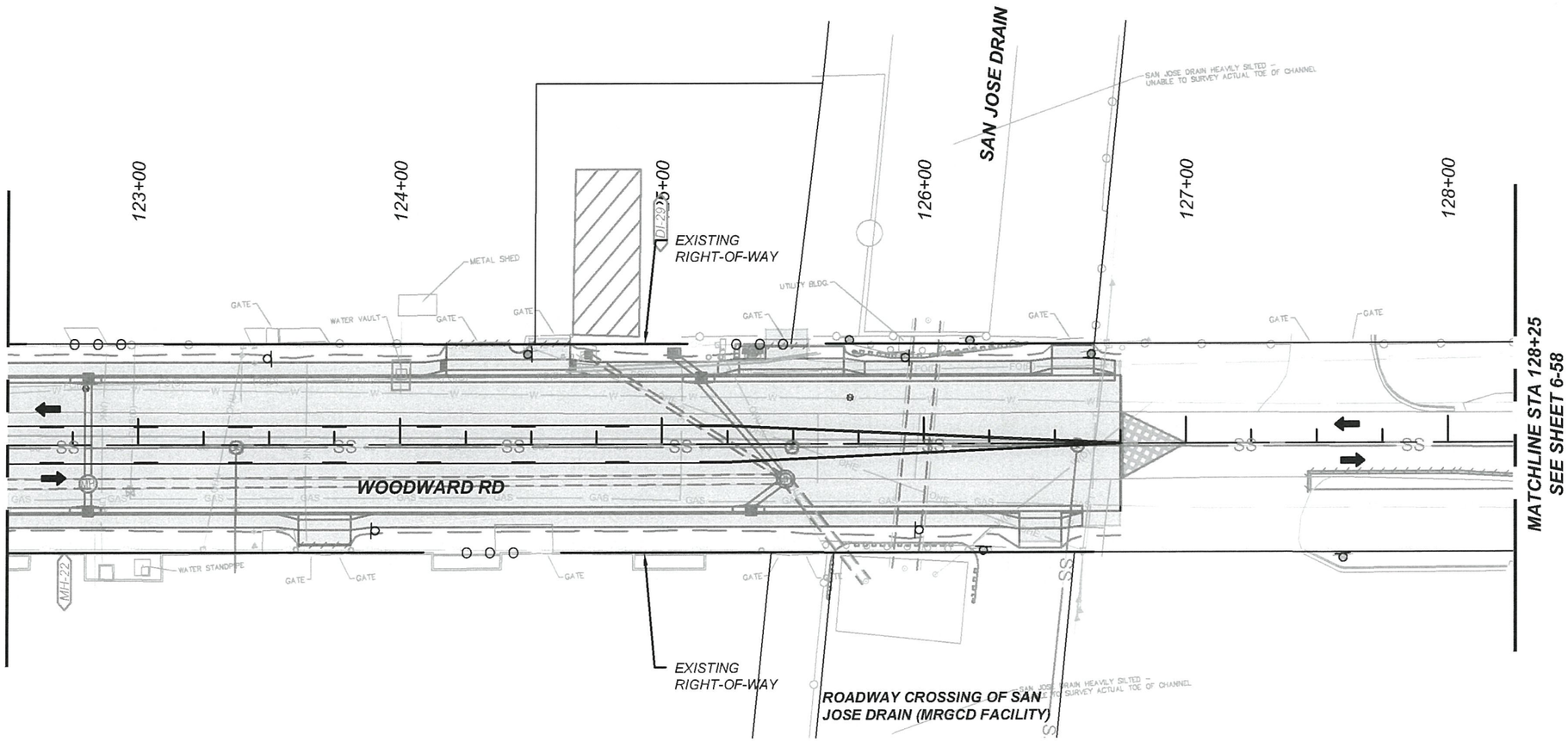
SHEET 6-56 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

605726S7.C:\prevwting\aecom_de18_nt\Jordon.thompson3@aecom.com\p0119038\VA300161CS_54.dwg PLOTTED: 7/25/19 - 11:18am Jordon.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
d	CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .
2. MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
3. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Albuquerque Public Works Engineer on Aug. 22, 2019

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

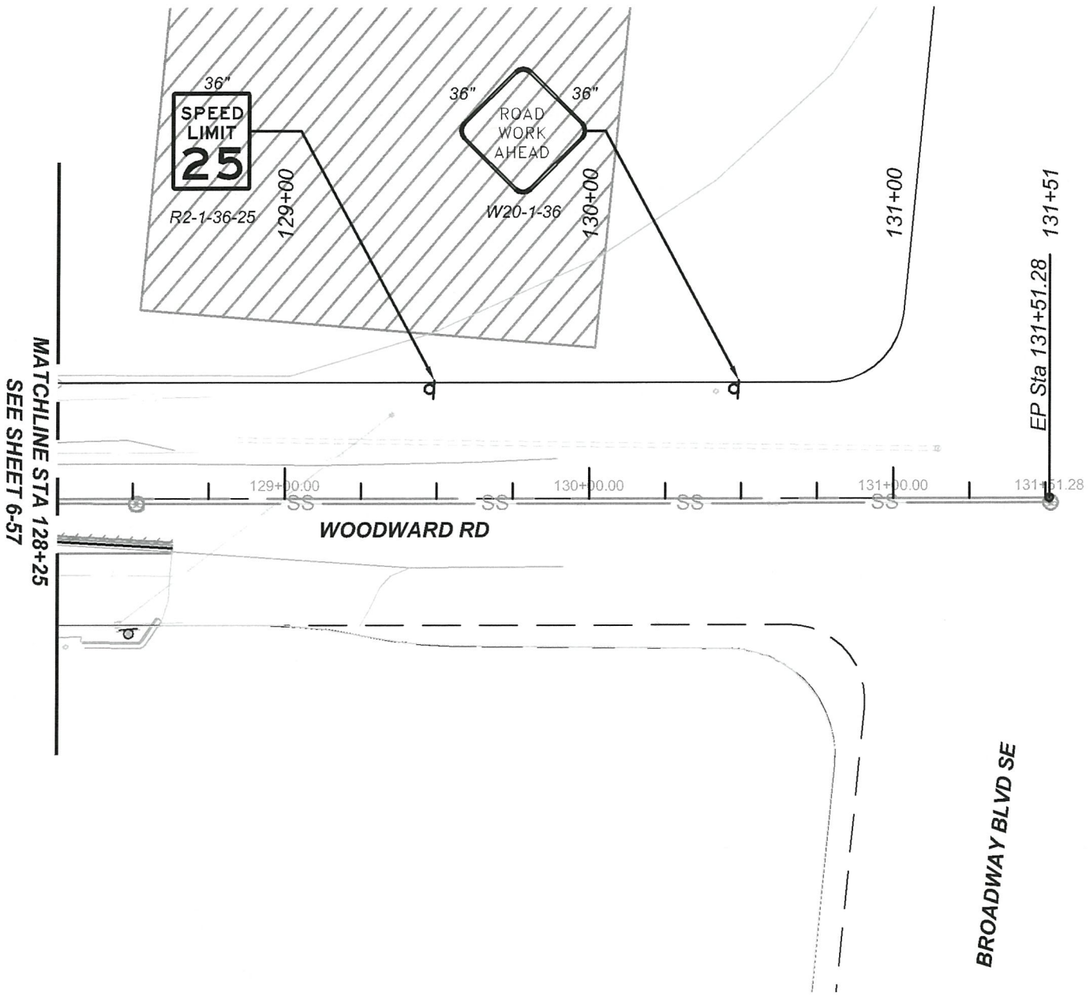
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
STA 122+50 TO STA 128+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-57 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\prerelease\vaecom_de18_ne\Jordan.Thompson3@aecom.com\d0118038\V\A300161CS_57.dwg PLOTTED: 7/25/19 - 11:18am Jordan.Thompson11



SIGNING NOTES:

1. SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.
2. SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.

KEYED NOTES

PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	CHANNELIZATION DEVICE DRUM
▬	CHANNELIZATION DEVICE VERTICAL PANEL
⊲	CONSTRUCTION SIGNING

N

0 50 100 FEET

CONSTRUCTION NOTES

1. MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .
2. MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
3. MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee for Albuquerque, City Engineer, April 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

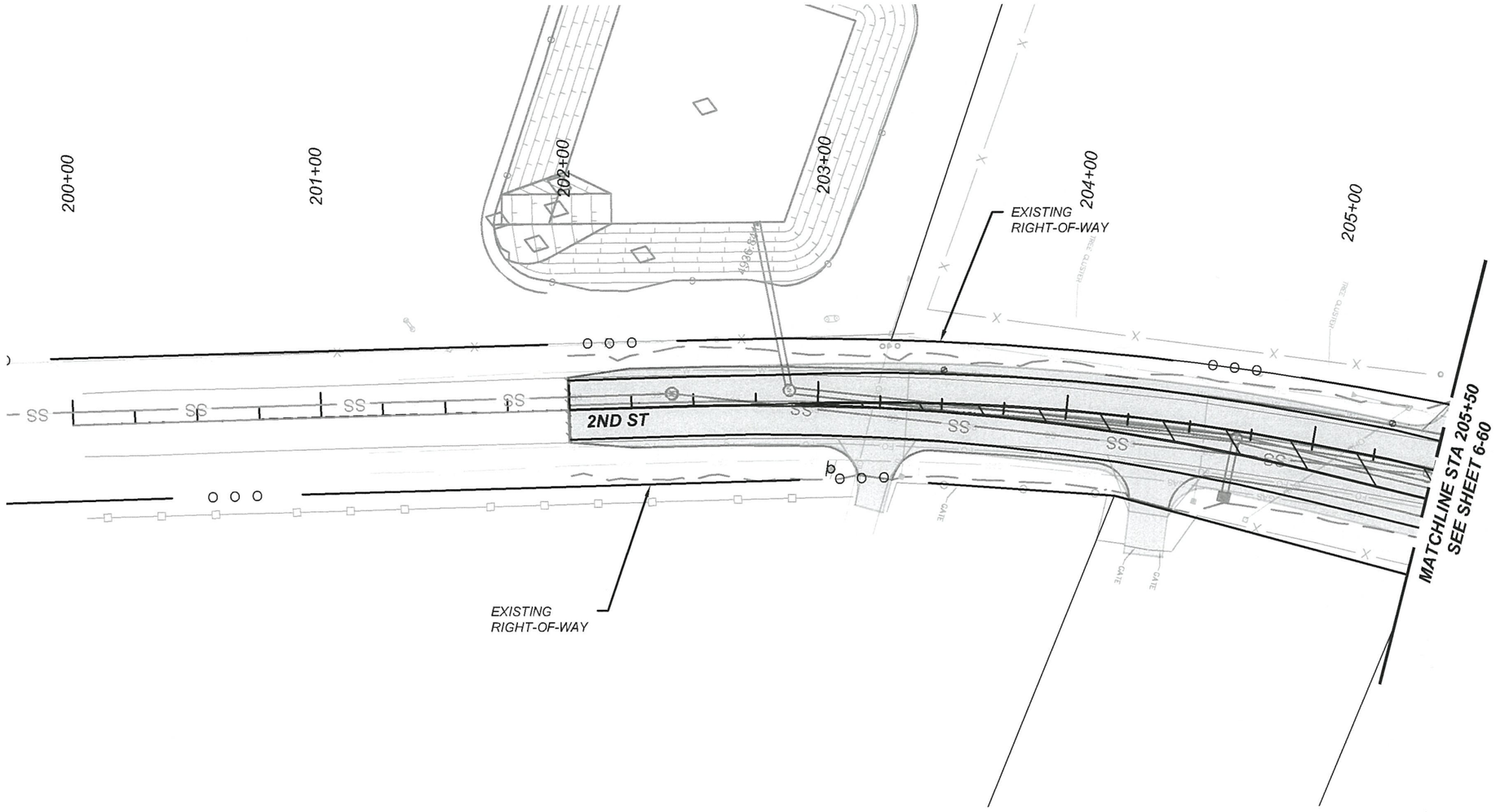
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
STA 128+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-58 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\prewelling\\aecom...de18_nt\jordon.thompson3@aecom.com\d0118935\A300161SS_58.dwg PLOTTED: 7/25/19 - 11:18am Jordon.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
	CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by the Development Review Committee of the City of Albuquerque Public Works Engineering Dept. Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

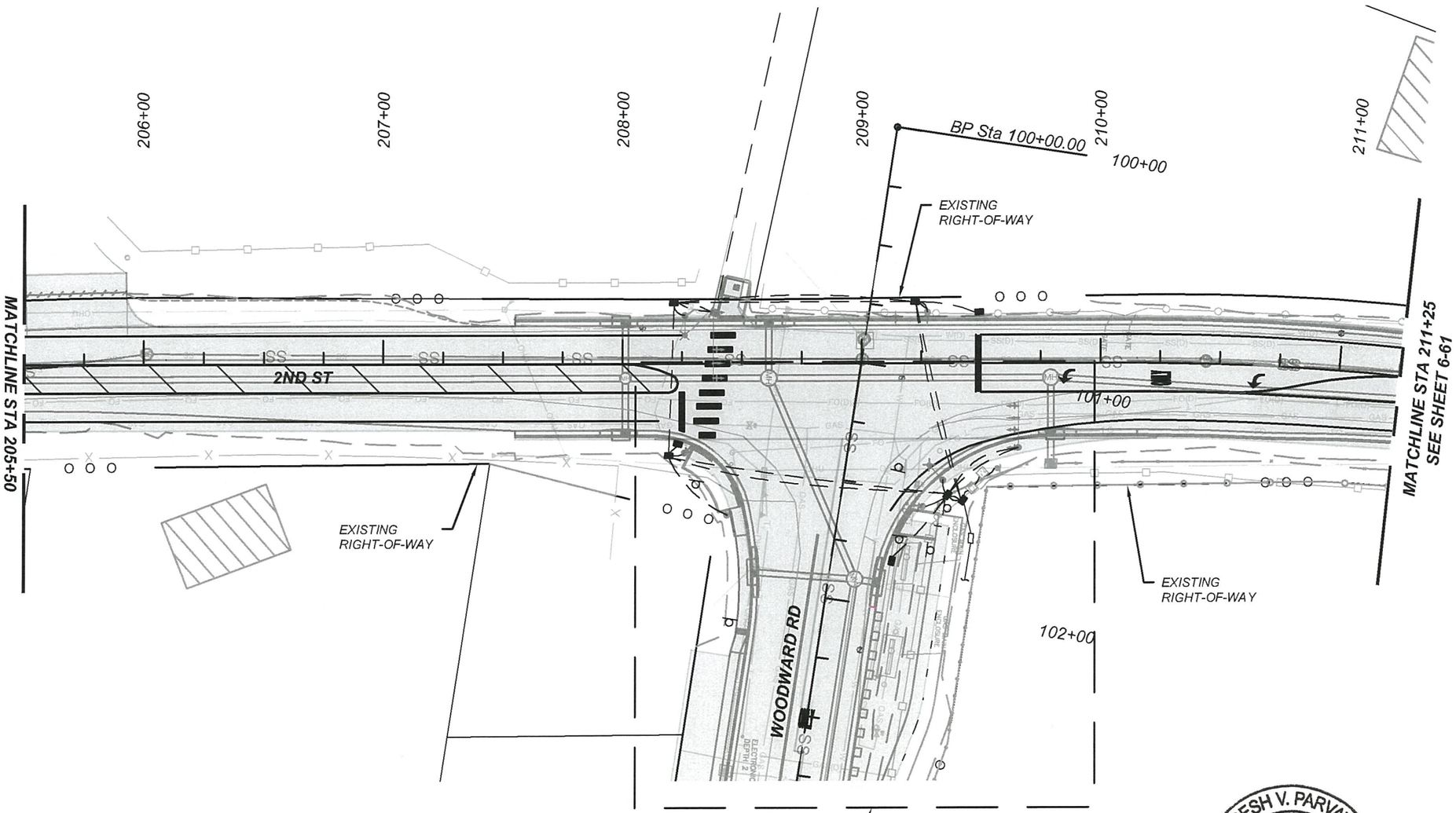
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
BOP TO STA 205+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-59 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657, C:\prewriting\aecom_de18_ne\Jordan.Thompson3@aecom.com\g0118038\jVA300161CS_59.dwg PLOTTED: 7/25/19 - 11:18am Jordan.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
d	*CONSTRUCTION SIGNING*

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER

Plans approved by Development Review Committee of the Albuquerque City Engineer, Sept. 21, 2020.

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

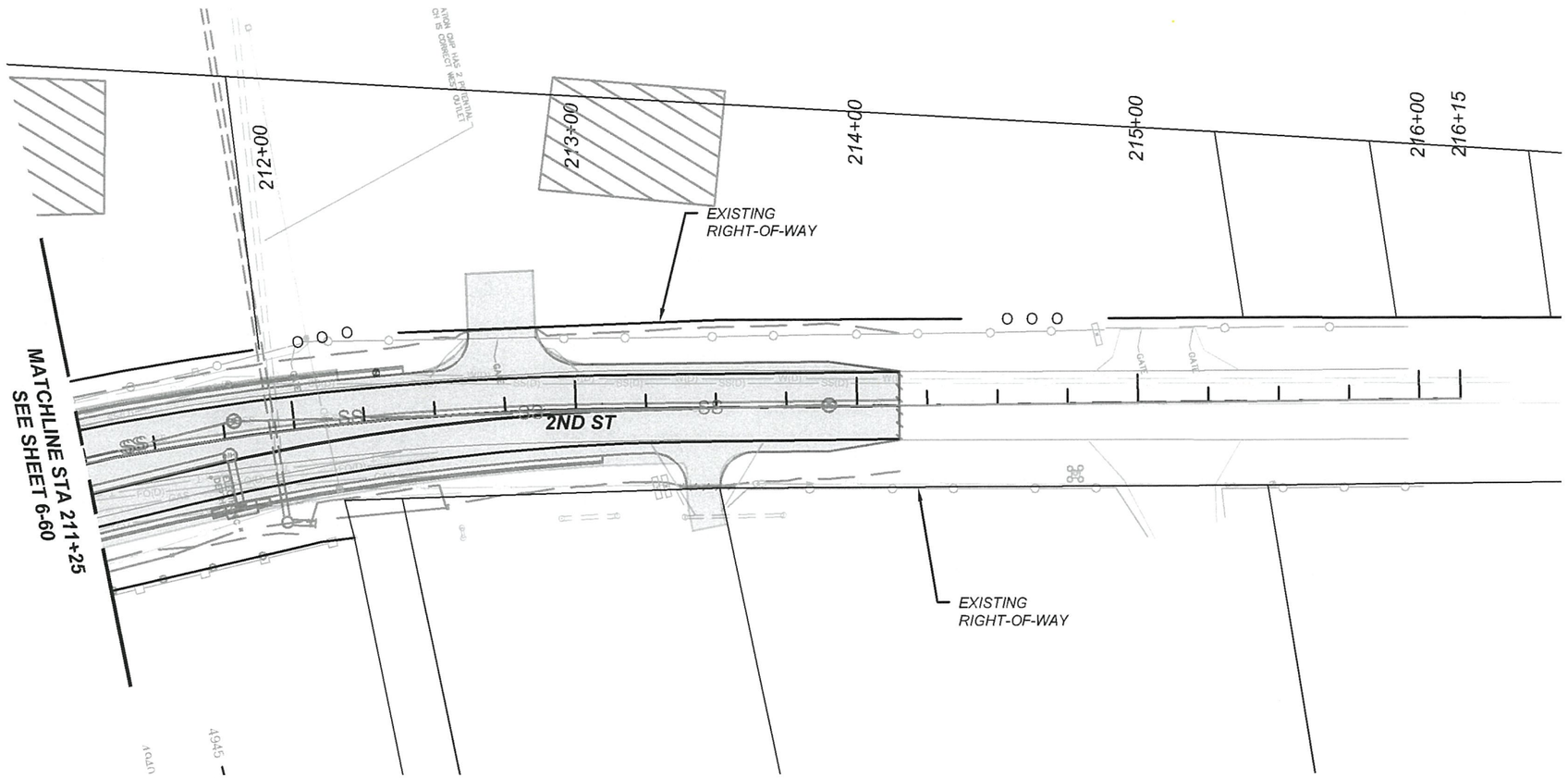
WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
STA 205+50 TO STA 211+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-60 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwrwrkng\\wecom_de18_ns\jordon.thompson3@aecom.com\d0118030\A300161CS_60.dwg PLOTTED: 7/25/19 - 12:30pm Jordon.Thompson11



SIGNING NOTES:

1. *SIGNS G20-1-60, G20-2-48, R2-1-36-35, SP-1, AND SP-2 SHALL BE PLACED IN ADVANCE OF THE PROJECT LIMITS AND SHALL REMAIN IN PLACE THROUGH THE DURATION OF THE PROJECT OR AS DIRECTED BY THE PROJECT MANAGER. THESE SIGNS SHALL BE MOUNTED ON A STEEL POST AND BASE POST BREAKAWAY SYSTEM, SEE SERIAL 701-02-1/3, 701-02-2/3, & 701-02-3/3.*
2. *SEE SERIAL 702-01-1/3, FOR SIGN FACE DETAILS.*

KEYED NOTES

PCMS	*PORTABLE CHANGEABLE MESSAGE SIGN*
	CONSTRUCTION ZONE
	CONSTRUCT TEMPORARY PAVEMENT (6" MINIMUM THICKNESS)
	COMPLETED TEMPORARY PAVEMENT
	COMPLETED CONSTRUCTION
●	*CHANNELIZATION DEVICE DRUM*
▬	*CHANNELIZATION DEVICE VERTICAL PANEL*
	CONSTRUCTION SIGNING

0 50 100 FEET

CONSTRUCTION NOTES

1. *MAINTAIN TWO WAY TRAFFIC ON NEWLY BUILT ROADWAY PER PHASE 3 ROADWAY CONSTRUCTION WILL BE DONE IN THE MEDIAN OF WOODWARD ROAD .*
2. *MAINTAIN TWO WAY TRAFFIC ALONG WOODWARD ROAD AND MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.*
3. *MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN PROJECT LIMITS UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.*

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by the Development Review Committee of the City of Albuquerque Engineer's Dept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC CONTROL PLAN
PHASE 4
STA 211+25 TO EOP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 6-61 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

605726S7 C:\pwworking\jvecom_de18_nt\Jordon.Thompson3@aecom.com\d0118038\A300161GS_61.dwg PLOTTED: 7/25/19 - 11:20am Jordon.Thompson11

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
7-1	PERMANENT SIGNING AND STRIPING – INDEX OF SHEETS AND QUANTITIES
7-2	PERMANENT SIGNING AND STRIPING – SIGN INSTALLATION SCHEDULE
7-3	PERMANENT SIGNING AND STRIPING PLAN – STA 100+00 TO STA 105+25
7-4	PERMANENT SIGNING AND STRIPING PLAN – STA 105+25 TO STA 111+00
7-5	PERMANENT SIGNING AND STRIPING PLAN – STA 111+00 TO STA 116+75
7-6	PERMANENT SIGNING AND STRIPING PLAN – STA 116+75 TO STA 122+50
7-7	PERMANENT SIGNING AND STRIPING PLAN – STA 122+50 TO STA 128+25
7-8	PERMANENT SIGNING AND STRIPING PLAN – STA 128+25 TO STA 131+51.28
7-9	PERMANENT SIGNING AND STRIPING PLAN – STA 200+00 TO STA 205+50
7-10	PERMANENT SIGNING AND STRIPING PLAN – STA 205+50 TO STA 211+25
7-11	PERMANENT SIGNING AND STRIPING PLAN – STA 211+25 TO STA 215+96.58

PERMANENT SIGNING QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
701000	PANEL SIGNS	SF	170
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LF	360

PERMANENT STRIPING & MARKING QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
704224	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 24"	LF	322
704204	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 4"	LF	13,176
SEE NOTE 1	REFLECTORIZED PAINT FOR MEDIAN NOSE, CIP	EACH	2
704206	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 6"	LF	7,219
704330	RETROREFLECTORIZED PLASTIC LEFT ARROW	EACH	4
704400	RETROREFLECTORIZED PLASTIC WORD (ONLY)	EACH	2
704520	RETROREFLECTORIZED PLASTIC BIKE SYMBOL (BIKEWAY)	EACH	10
704600	RETROREFLECTORIZED PLASTIC RAILROAD CROSSING)	EACH	2

1) REFLECTORIZED PAINT FOR MEDIAN NOSE IS INCIDENTAL TO ITEM 609478, CONCRETE VERTICAL CURB AND GUTTER TYPE D, 6"X18"

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by the Development Review Committee and Albuquerque City Engineer Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PERMANENT SIGNING AND STRIPING INDEX OF SHEETS & QUANTITIES

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 7-1 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_na\armando.saucedo@aecom.com\d0118039\A300161_7-1150.dwg PLOTTED: 7/25/19 - 11:05am armando.saucedo

PERMANENT SIGN INSTALLATION SCHEDULE

PLAN SHEET	SIGN NO.	ALIGNMENT	STATION	OFFSET	FACING DIRECTION OF TRAFFIC	SIGN CODE	COLOR		ALUMINUM PANEL							SIGN POST QUANTITIES							INSTALLATION NOTES
									PLAN	SIGN DIMENSIONS				AREA	AREA	SIGN POST LENGTHS				BASE POSTS		TOTAL	
							LEGEND	BACKGND.	QTY. EACH	WIDTH (IN)	HEIGHT (IN)	ROUND (IN)	DIAMOND (IN)	EACH (SF)	TOTAL (SF)	LEFT (LF)	CENTER (LF)	RIGHT (LF)	TOTAL (LF)	QTY. EACH	LENGTH (LF)	LENGTH (LF)	
7-3	001	WOODWARD RD	102+16	40.00' RT	FEBT	R3-17	BLACK	WHITE	1	24	18			3.00	3.00		10.3		10.3	1	3.0	13.3	
7-3	002	WOODWARD RD	103+30	36.00' RT	FEBT	R2-1-24-35	BLACK	WHITE	1	18	24			3.00	3.00		10.8		10.8	1	3.0	13.8	
7-3	003	WOODWARD RD	101+61	60.00' RT	FEBT	D1-1	WHITE	GREEN	1	24	18			3.00	3.00		10.3		10.3	1	3.0	13.3	
7-3	004	WOODWARD RD	105+02	33.00' RT	FEBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-3	005	WOODWARD RD	101+55	45.00' LT	FNBT	D1-1	WHITE	GREEN	1	24	24			4.00	4.00		10.8		10.8	1	3.0	13.8	
7-3	006	WOODWARD RD	101+73	40.00' LT	FNBT	R5-3	BLACK	WHITE	1	24	24			4.00	4.00		10.8		10.8	1	3.0	13.8	
7-4	007	WOODWARD RD	107+06	33.00' RT	FEBT	R3-17	BLACK	WHITE	1	24	18			3.00	3.00		10.3		10.3	1	3.0	13.3	
7-4	008	WOODWARD RD	108+73	33.00' RT	FEBT	R15	BLACK	YELLOW	1	96	54			36.00	36.00		8.8		8.8	1	3.0	11.8	
7-4	009	WOODWARD RD	108+94	33.00' LT	FWBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-4	010	WOODWARD RD	109+17	16.00' LT	FEBT	W10-1	BLACK	YELLOW	1			24		3.00	3.00		10.8		10.8	1	3.0	13.8	
7-4	011	WOODWARD RD	110+34	45.00' LT	FWBT	R5-3	BLACK	WHITE	1	24	24			4.00	4.00		10.8		10.8	1	3.0	13.8	
7-4	012	WOODWARD RD	110+45	80.00' LT	FNBT	W10-4	BLACK	YELLOW	1	36	36			9.00	9.00		11.8		11.8	1	3.0	14.8	
7-4	013	WOODWARD RD	109+35	0.10' RT	FEBT	R3-4	RED/BLACK	WHITE	1	24	24			4.00	4.00		10.8		10.8	1	3.0	13.8	
7-4	014	WOODWARD RD	109+62	25.00' RT	FEBT	R8-8	BLACK	WHITE	2	24	30			5.00	10.00		11.3		11.3	2	3.0	28.6	
7-5	015	WOODWARD RD	111+07	33.00' RT	FEBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-5	016	WOODWARD RD	111+45	34.00' LT	FWBT	W10-1	BLACK	YELLOW	1			36		7.00	7.00		11.8		11.8	1	3.0	14.8	
7-5	017	WOODWARD RD	112+44	40.00' RT	FNBT	R1-1	WHITE	RED	1	30	30			6.25	6.25		9.3		9.3	1	3.0	12.3	
7-5	018	WOODWARD RD	113+07	33.00' RT	FEBT	R3-17	BLACK	WHITE	1	24	18			3.00	3.00		10.3		10.3	1	3.0	13.3	
7-5	019	WOODWARD RD	113+26	33.00' LT	FWBT	R3	BLACK	WHITE	1	64	45			20.00	20.00		12.6		12.6	1	3.0	15.6	
7-5	020	WOODWARD RD	114+96	33.00' LT	FWBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-5	021	WOODWARD RD	115+33	34.00' RT	FEBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-6	022	WOODWARD RD	116+84	33.00' LT	FWBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-6	023	WOODWARD RD	117+33	33.00' RT	FEBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-6	024	WOODWARD RD	118+74	33.00' LT	FWBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-6	025	WOODWARD RD	120+97	33.00' RT	FEBT	R3-17	BLACK	WHITE	1	24	18			3.00	3.00		10.3		10.3	1	3.0	13.3	
7-6	026	WOODWARD RD	120+95	33.00' LT	FWBT	R3-17	BLACK	WHITE	1	24	18			3.00	3.00		10.3		10.3	1	3.0	13.3	
7-7	027	WOODWARD RD	123+49	33.00' LT	FWBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-7	028	WOODWARD RD	123+91	33.00' RT	FEBT	R7-9	RED	WHITE	1	12	18			1.50	1.50		10.3		10.3	1	3.0	13.3	
7-7	029	WOODWARD RD	125+93	33.00' LT	FWBT	R3-17	BLACK	WHITE	1	24	18			3.00	3.00		10.3		10.3	1	3.0	13.3	
7-7	030	WOODWARD RD	125+98	33.00' RT	FEBT	R3-17	BLACK	WHITE	1	24	18			3.00	3.00		10.3		10.3	1	3.0	13.3	
TOTALS									701000 PANEL SIGNS (SF)						150	701100 STEEL POST AND BASE POST (LF)						430	

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee of the City of Albuquerque Engineer on April 22, 2021

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PERMANENT SIGNING AND STRIPING
SIGN INSTALLATION SCHEDULE

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

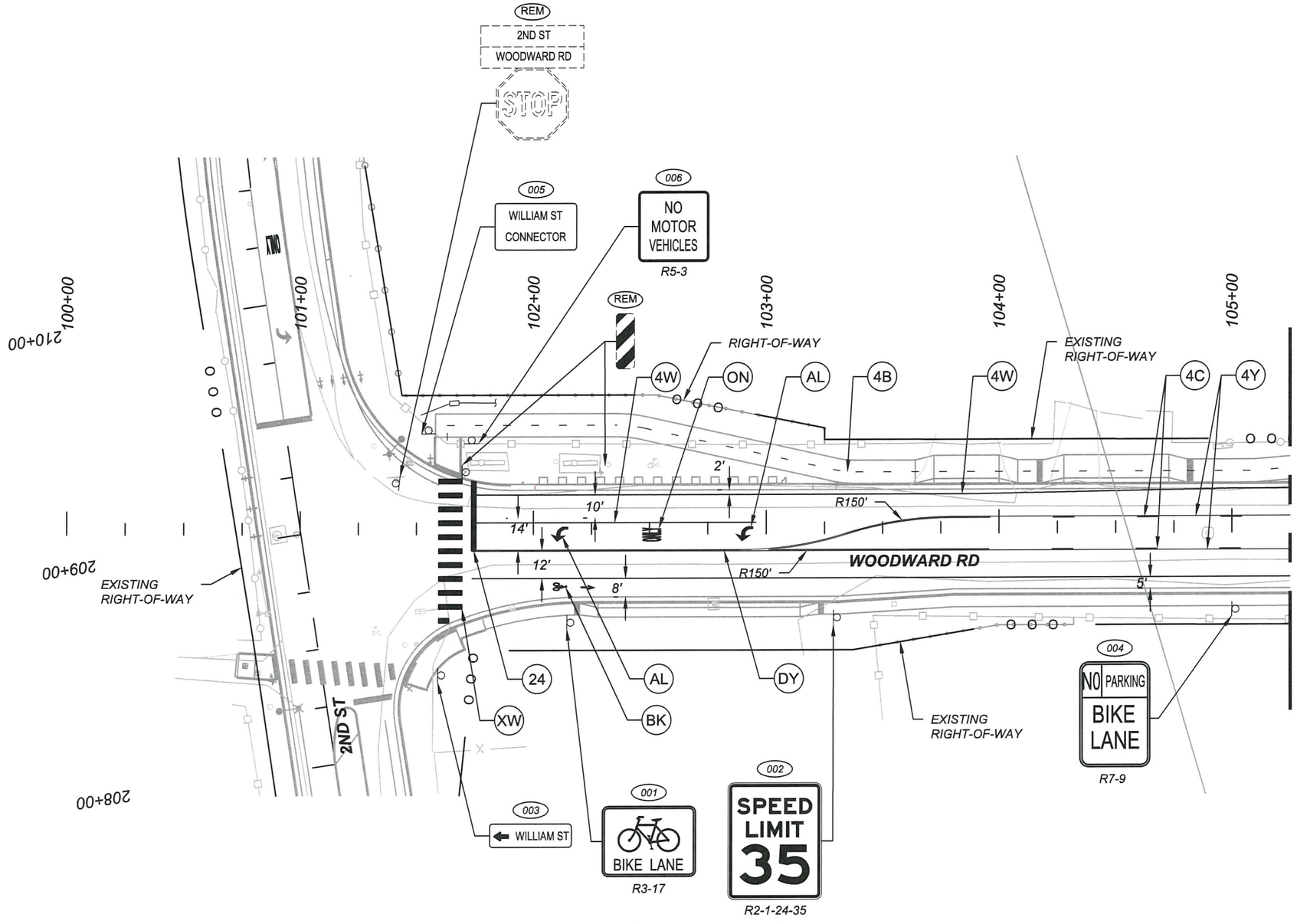
SHEET 7-2 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pw\working\aecom_ds16_ru\armando.sourcedo@aecom.com\d0118030\A300161_7-25CH.dwg PLOTTED: 7/25/19 - 11:05am armando.sourcedo



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD. DWG 704 - 02 - ½
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL "D" ON SHEET 7-12

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

NOTES

1. SEE SHEETS 7-9 THROUGH 7-11 FOR SIGNING AND STRIPING ON 2ND STREET.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Albuquerque City Engineer Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PERMANENT SIGNING AND STRIPING PLAN

STA 100+00 TO STA 105+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

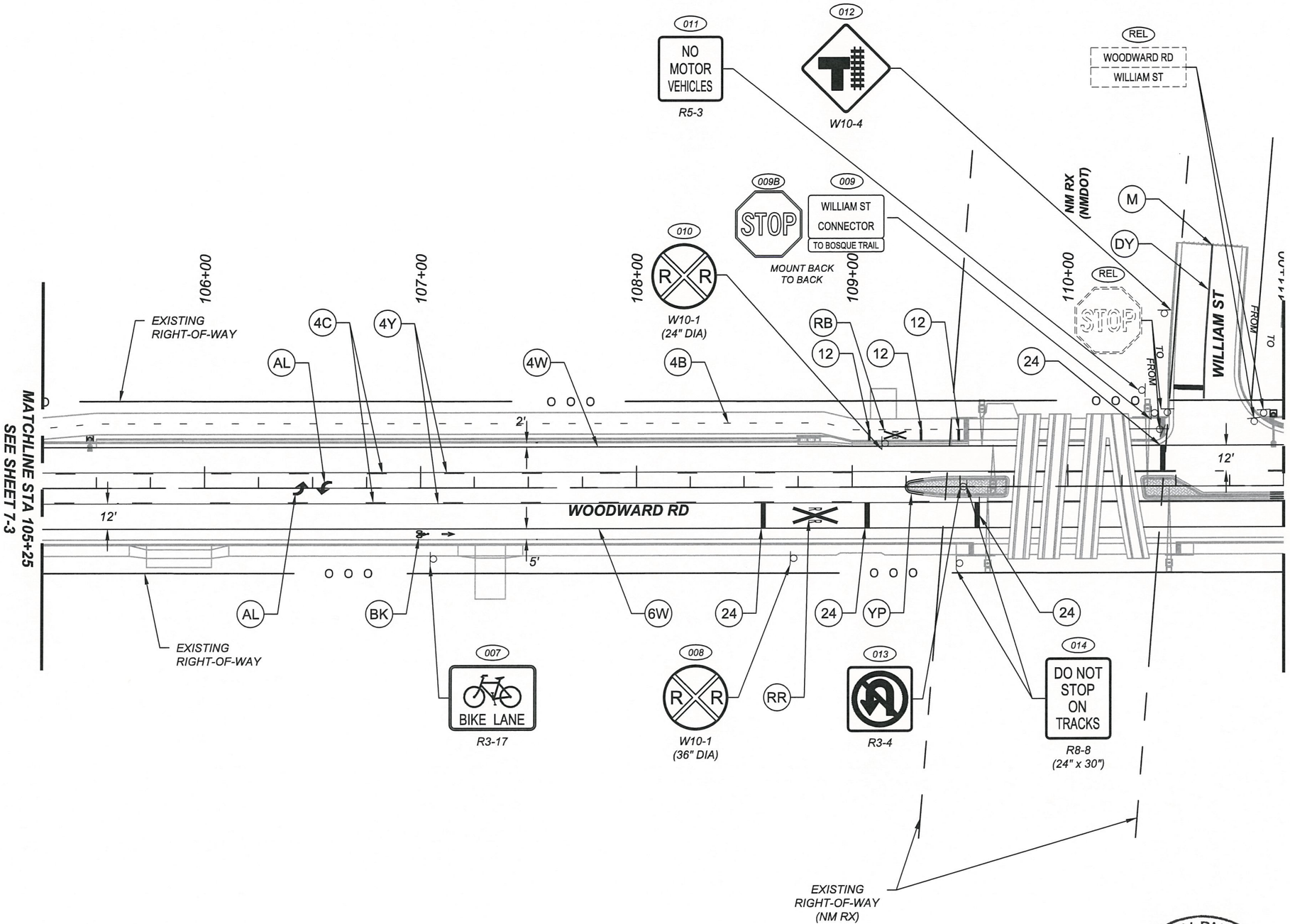
SHEET 7-3 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\armando.saucedo@aecom.com\d0118039\A300161_7-3PS.dwg PLOTTED: 7/25/19 - 11:05am armando.saucedo



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (12) 12" SOLID WHITE STOP BAR
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD. DWG 704 - 02 - ½
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL" D" ON SHEET 7-12

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee, Albuquerque
Engineer, Sept. 22, 2019

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
PERMANENT SIGNING AND STRIPING PLAN
STA 105+25 TO STA 111+00

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

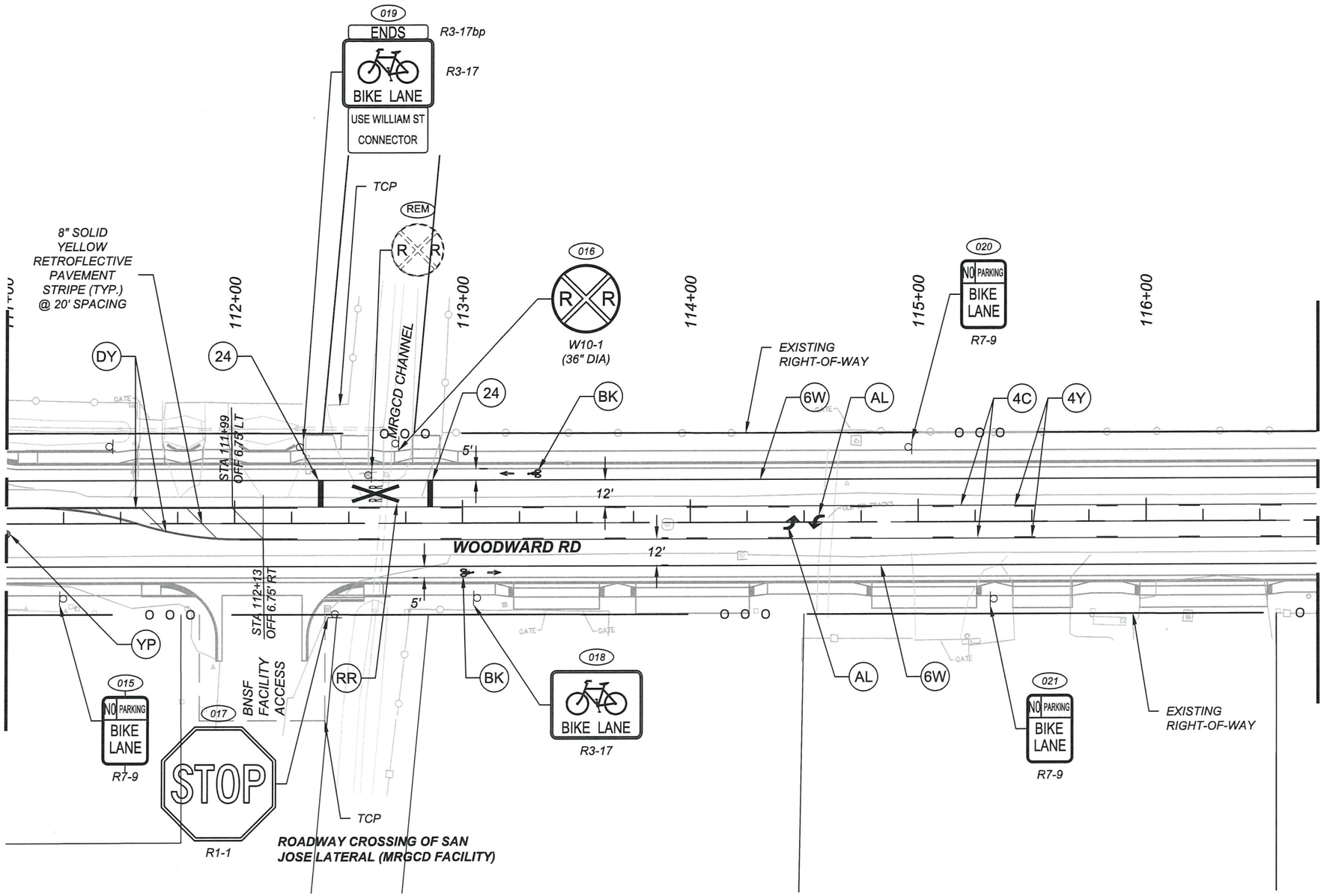
SHEET 7-4 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pw\working\secom_ds16_nc\armando.sauceda@aecom.com\d0118030\A300161_7-4PS.dwg PLOTTED: 7/25/19 - 11:05am armando.sauceda



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD. DWG 704 - 02 - ½
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL "D" ON SHEET 7-12

N

0 50 100 FEET

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Albuquerque City Engineer Oct. 22, 2019

7/25/19

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
PERMANENT SIGNING AND STRIPING PLAN
STA 111+00 TO STA 116+75

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

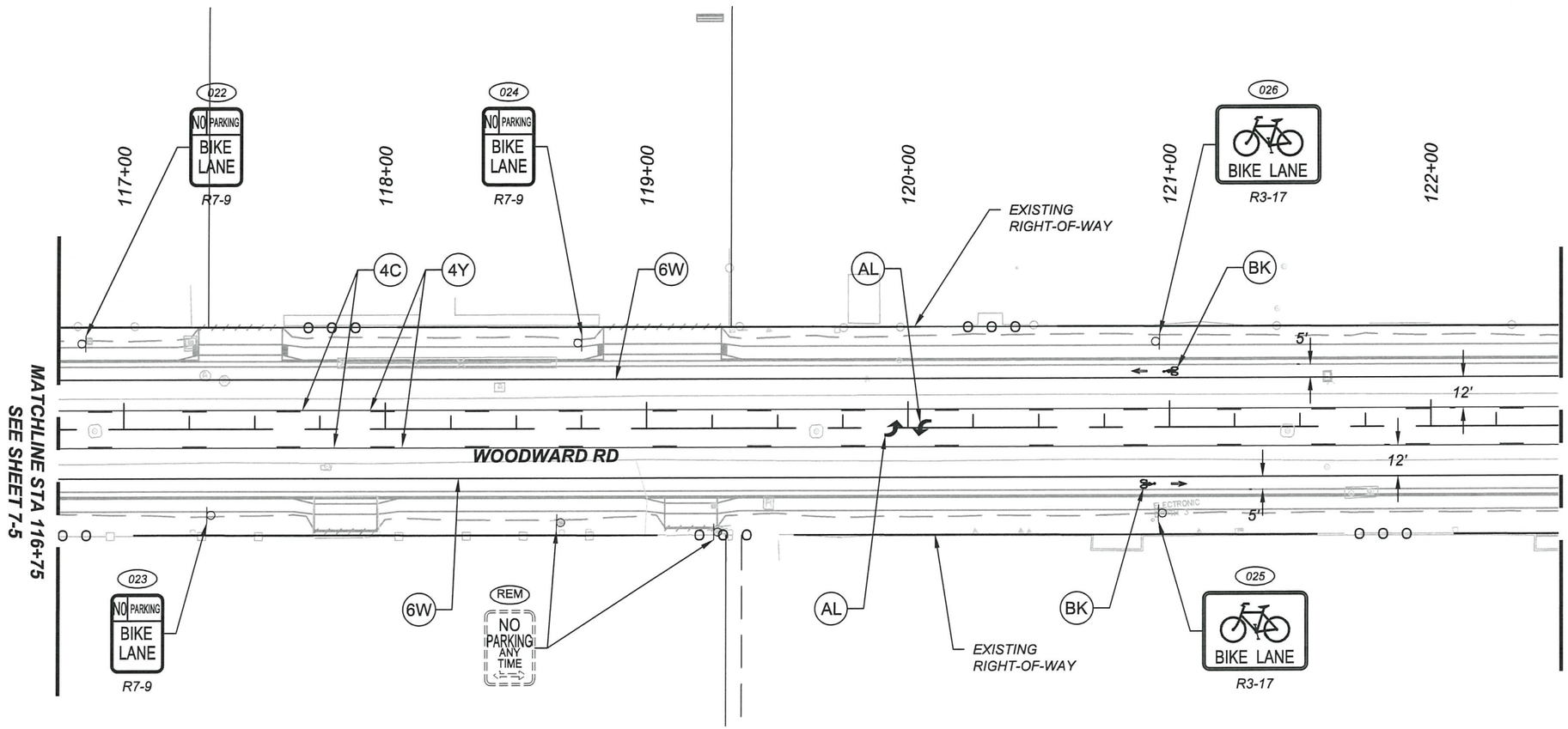
SHEET 7-5 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\armando.sauceda@aecom.com\d0118039\A300161_7-5PS.dwg PLOTTED: 7/25/19 - 11:05am armando.sauceda



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD. DWG 704 - 02 - ½
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL "D" ON SHEET 7-12

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

N

0 50 100 FEET

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque City Engineer
Date: Jul 25, 2020

WOODWARD ROAD IMPROVEMENTS

PERMANENT SIGNING AND STRIPING PLAN

STA 116+75 TO STA 122+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

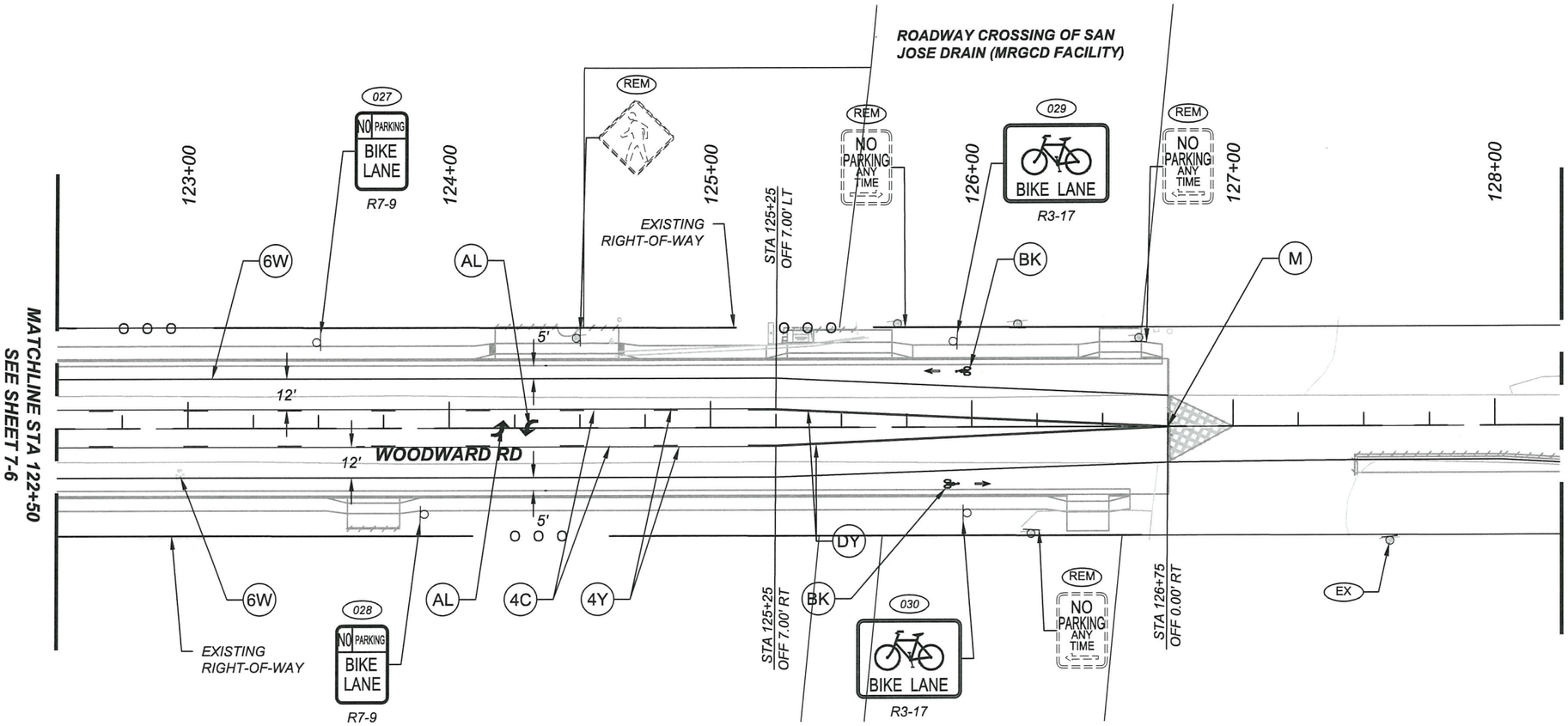
SHEET 7-6 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_no\armando.saucedo@aecom.com\d0118039\A300161_7-6PS.dwg PLOTTED: 7/25/19 - 11:06am armando.saucedo



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD. DWG 704-02-1/1
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL "D" ON SHEET 7-12

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque Bernalillo County Engineer, Sept. 23, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PERMANENT SIGNING AND STRIPING PLAN

STA 122+50 TO STA 128+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

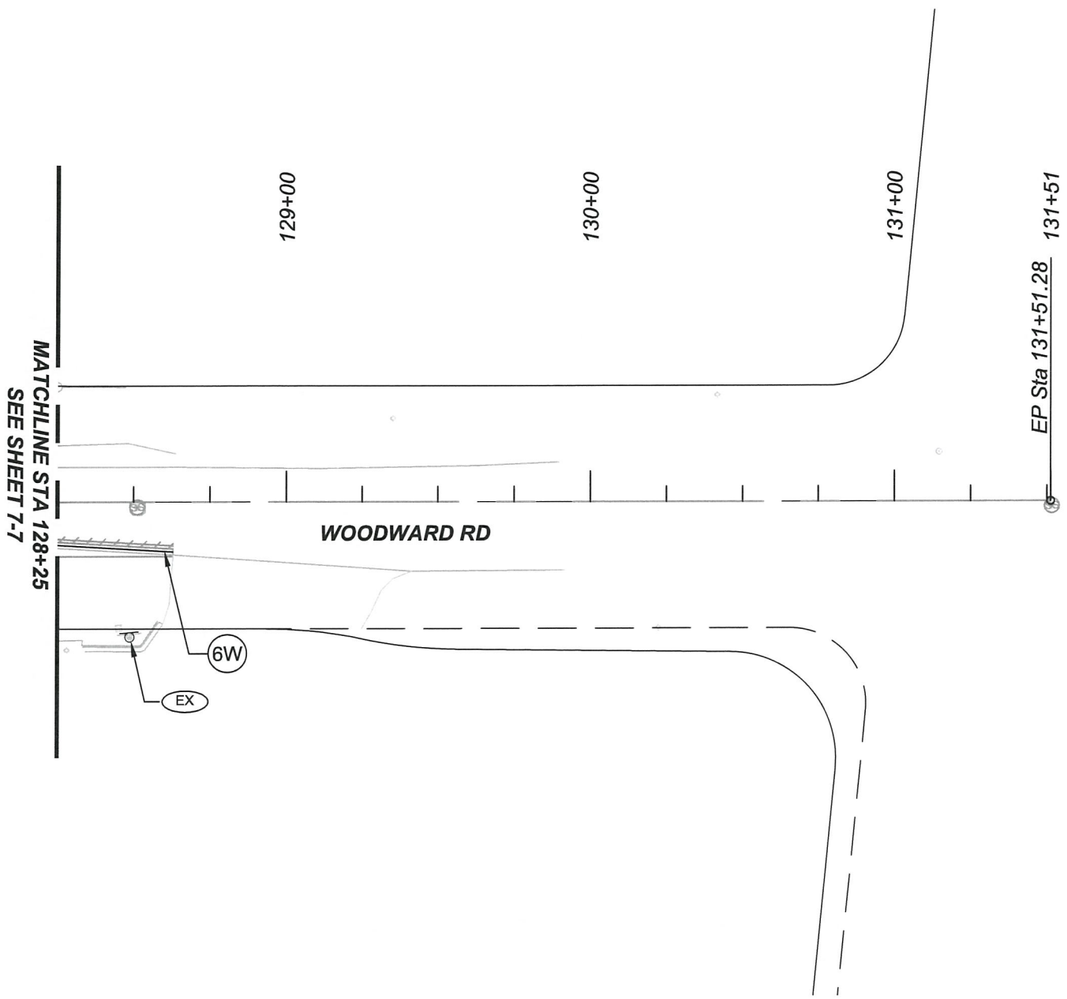
SHEET 7-7 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657: C:\pw working\aecom_ds16_no\armando.saucedo@aecom.com\d0118039\A300161_7-7PS.dwg PLOTTED: 7/25/19 - 11:06am armando.saucedo



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD. DWG 704 -02-1/1
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL "D" ON SHEET 7-12

N

0 50 100 FEET

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

SURESH V. PARVATOJA NEW MEXICO 17910 PROFESSIONAL ENGINEER 7/25/19

Plans approved by the Development Review Committee and Albuquerque Bernalillo County Engineer, Sept. 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PERMANENT SIGNING AND STRIPING PLAN

STA 128+25 TO STA 131+51.28

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

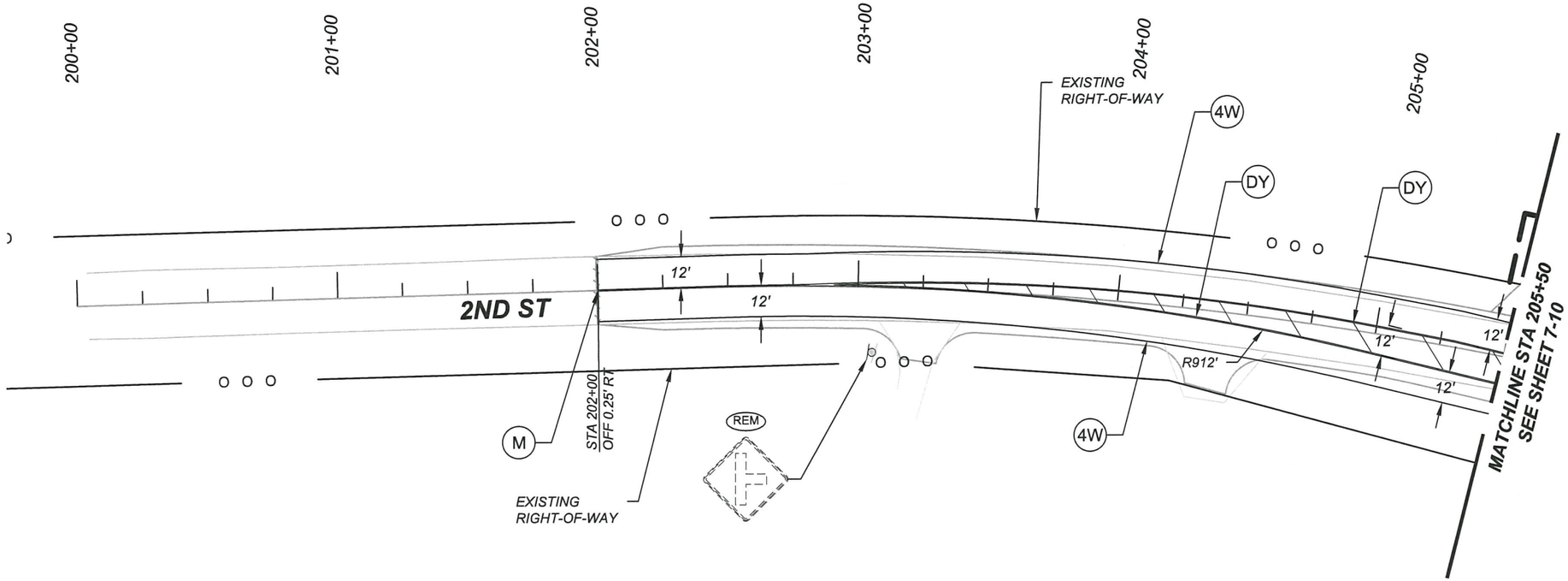
SHEET 7-8 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\armando.saucedo@aecom.com\d0118039\A300161_7-8PS.dwg PLOTTED: 7/25/19 - 11:06am armando.saucedo



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD. DWG 704 - 02 - ½
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL "D" ON SHEET 7-12

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review Committee and Albuquerque City Engineer [illegible] 2019

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PERMANENT SIGNING AND STRIPING PLAN

STA 200+00 TO STA 205+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

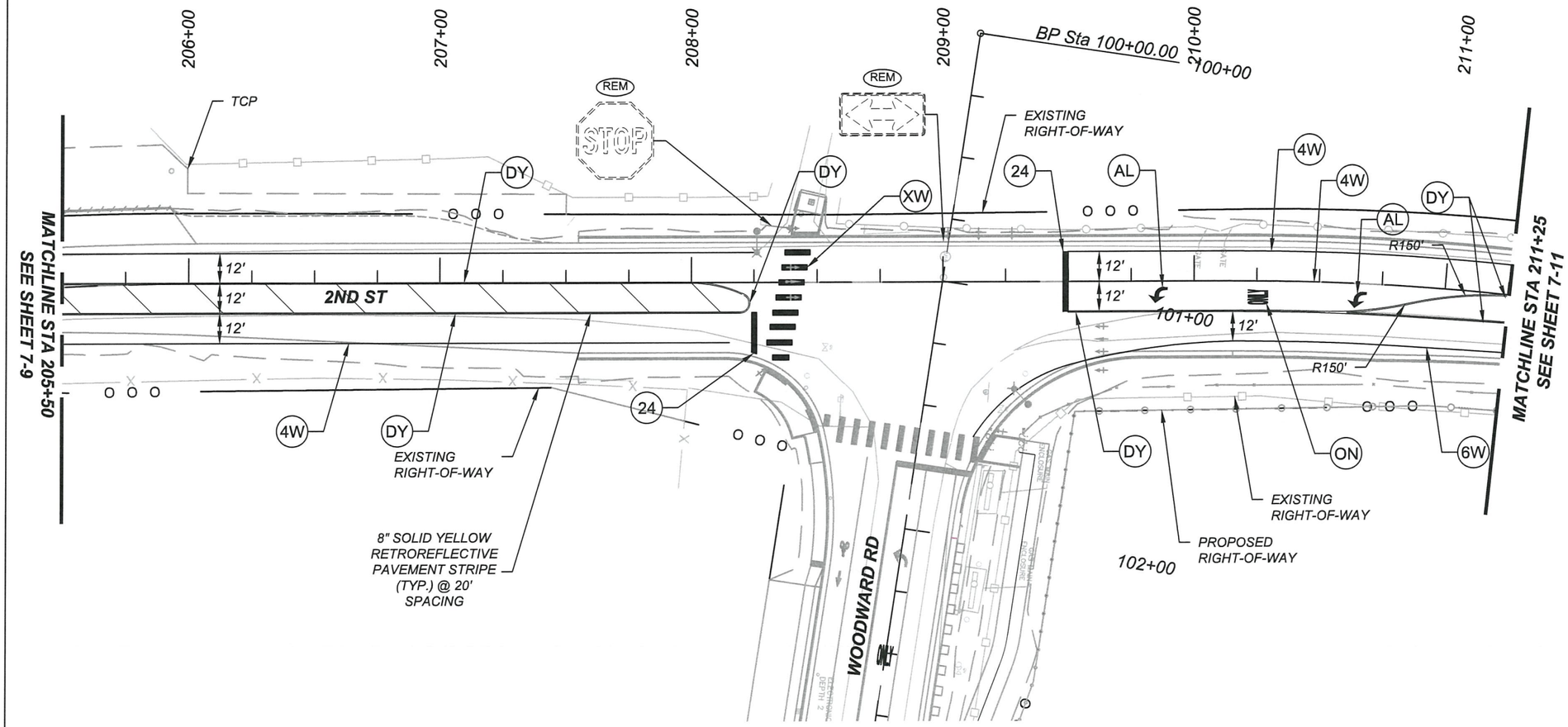
SHEET 7-9 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nn\armando.saucedo@aecom.com\d0118039\A300161_7-9PS.dwg PLOTTED: 7/25/19 - 11:06am armando.saucedo



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD DWG. 704 - 02 - ½
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL "D" ON SHEET 7-12

0 50 100 FEET

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

NOTES

1. SEE SHEETS 7-3 THROUGH 7-8 FOR SIGNING AND STRIPING ON WOODWARD.

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque Bernalillo County Engineering Staff 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

PERMANENT SIGNING AND STRIPING PLAN

STA 205+50 TO STA 211+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

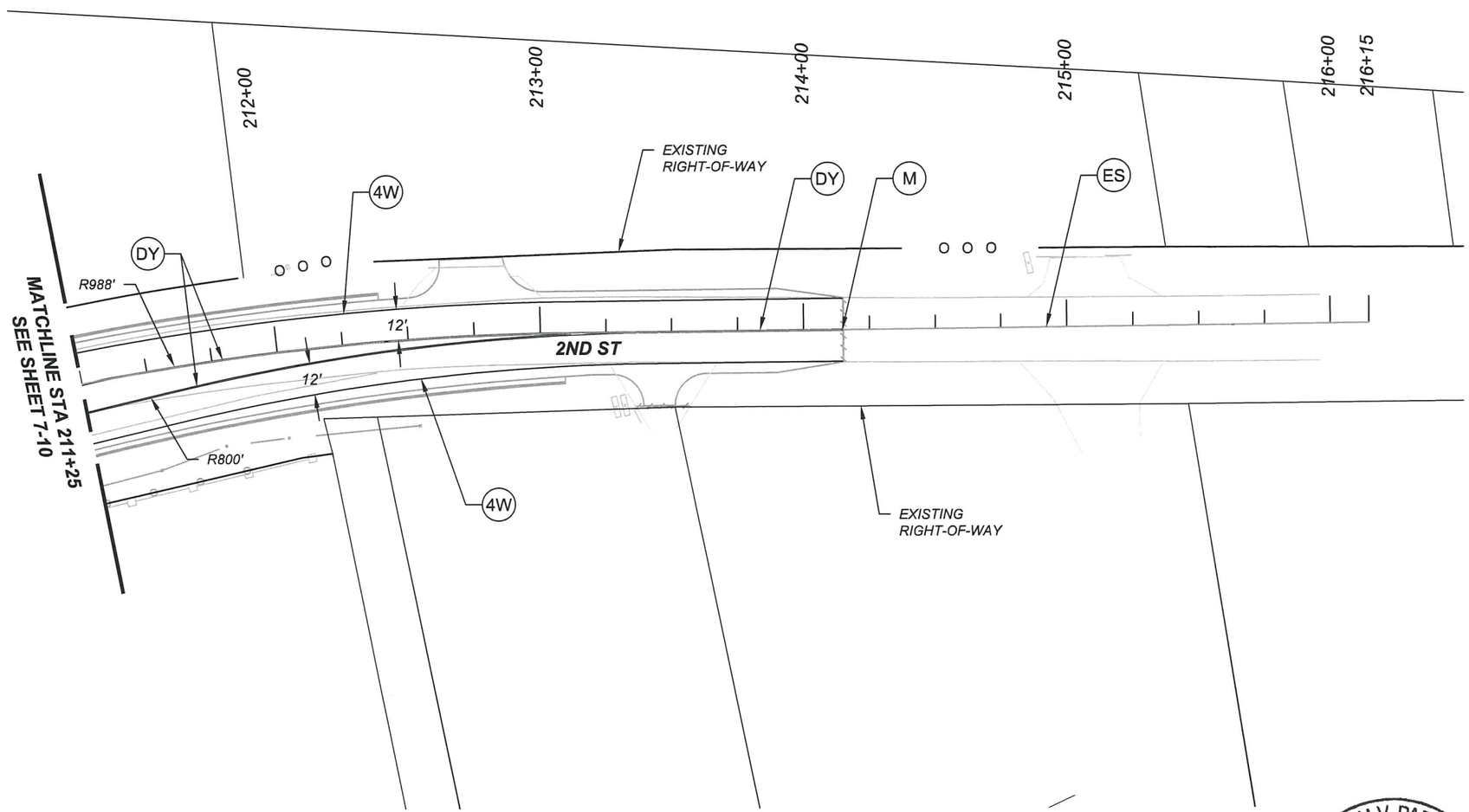
SHEET 7-10 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nm\armando.saucedo@aecom.com\d0118039\A300161_7-10PS.dwg PLOTTED: 7/25/19 - 11:04am armando.saucedo



KEYED NOTES

- (4W) 4" SOLID WHITE
- (6W) 6" SOLID WHITE
- (24) 24" SOLID WHITE STOP BAR
- (DY) 4" SOLID DOUBLE YELLOW
- (4Y) 4" SOLID YELLOW
- (4C) 4" DASHED YELLOW (10' STRIPE, 30' GAP)
- (YP) PAINT CURB FACE OR MEDIAN NOSE YELLOW (INCIDENTAL) SEE DETAIL SHEET
- (AL) ARROW - LEFT TURN PER DETAIL "B" ON SHEET 7-12
- (ON) WORD MARKING "ONLY" PER DETAIL "B" ON SHEET 7-12
- (BK) BIKE SYMBOL AND ARROW PER DETAIL "A" ON SHEET 7-12
- (XW) WHITE CROSSWALK - SEE DETAIL "C" ON SHEET 7-12
- (XG) WORD MARKING "XING"
- (R) REMOVE PAVEMENT MARKINGS
- (M) MATCH EXISTING STRIPING
- (ES) EXISTING STRIPING TO REMAIN
- (4B) 4" SKIP YELLOW BIKE (3' STRIPE, 9' GAP)
- (RR) RAILROAD PAVEMENT MARKING SYMBOL PER NMDOT STD. DWG 704 - 02 - ½
- (RB) RAILROAD PAVEMENT MARKING SYMBOL (BIKEWAY) PER DETAIL "D" ON SHEET 7-12

SIGNING LEGEND

- (000) CONSTRUCT NEW SIGN, SEE SIGN INSTALLATION TABLE
- (EX) EXISTING SIGN TO REMAIN — PROTECT IN PLACE
- (REM) REMOVE EXISTING SIGN AND POST
- (REL) REMOVE EXISTING SIGN PANEL AND RELOCATE TO NEW POSTS AT NEW LOCATION INDICATED
- (RES) REMOVE AND RESET EXISTING SIGN PANEL ON NEW POSTS AT SAME STATION, NEW OFFSET

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque City Engineer Sept. 22, 2020

WOODWARD ROAD IMPROVEMENTS
PERMANENT SIGNING AND STRIPING PLAN
STA 211+25 TO STA 215+96.58

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

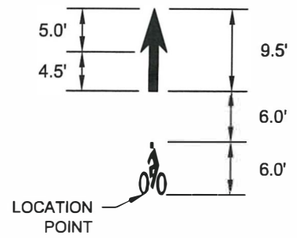
SHEET 7-11 OF

DESIGNED BY:

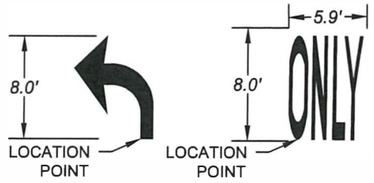
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_ao\armando.saucedo@aecom.com\d0118039\A300161_7-11PS.dwg PLOTTED: 7/25/19 - 11:04am armando.saucedo

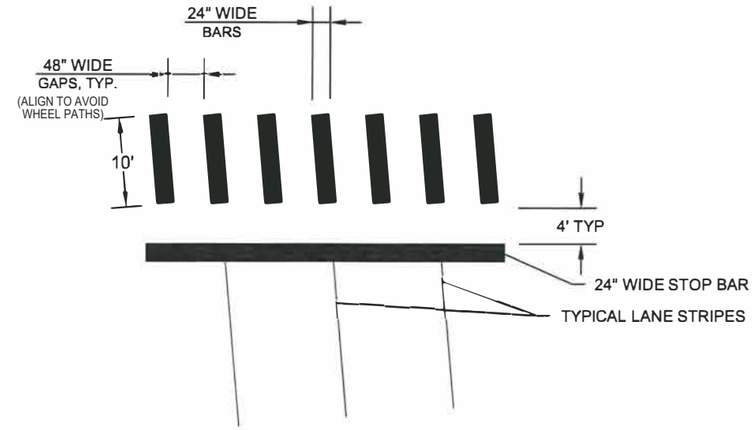


A. BIKE LANE SYMBOL DETAIL

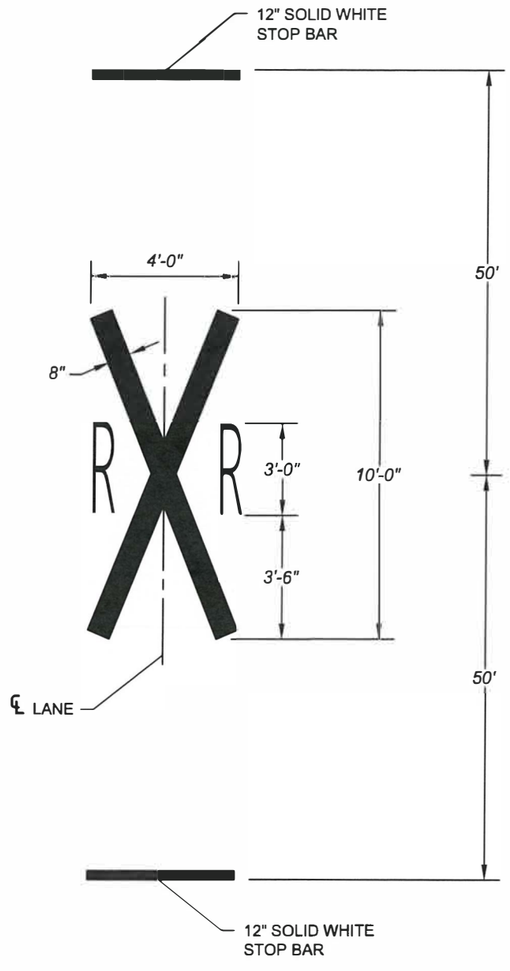


STATIONS INDICATED FOR ALL PAVEMENT MARKINGS REFER TO THE BASE OF THE ARROW STEM OR BASE OF LETTERS OF WORD.

B. PAVEMENT MARKING LOCATION DETAIL



C. TYPICAL CROSS WALK AND STOP BAR DETAILS



D. PAVEMENT MARKING SYMBOL (BIKEWAY) DETAIL

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Development Review Committee and Albuquerque City Engineer Sep 22, 2020

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

STRIPING AND MARKING DETAILS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 7-12 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\secom...da16_ara\armando.saucedo@aecom.com\d0118039\A300161_7-12DT.dwg PLOTTED: 7/25/19 -- 11:07am armando.saucedo

LIGHTING NOTES:

1. LOCATIONS OF CONDUIT, FOUNDATIONS PULL BOXES, AND CONTROL CABINETS 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 (ADA). 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.
2. THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK TO ENSURE THAT THE EQUIPMENT ONCE PLACED WILL NOT VIOLATE ADA REQUIREMENTS.
3. ROADWAY LIGHTING ON THIS PROJECT SHALL CONSIST OF 240 VOLTS FOR CONVENTIONAL ROADWAY LIGHTING SYSTEMS.
4. EACH CIRCUIT FOR ROADWAY LIGHTING SHALL BE INSTALLED IN SEPARATE CONDUITS UNLESS APPROVED OTHERWISE.
5. EACH TIME A ROADWAY LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH THE FOLLOWING REPRESENTATIVES:
   - A. PUBLIC SERVICE COMPANY OF NEW MEXICO - ANTHONY KOZLOWSKI 505-241-3637
   - B. BERNALILLO COUNTY - BOBBY BAKER 505-848-1575/505-848-1504
   - C. CITY OF ALBUQUERQUE
6. ALL LIGHTING CONTROL CABINETS SHALL INCLUDE PHOTO ELECTRIC CELLS.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL TYPE V POLES, 190 WATT LED BUG RATING B3-V0-G3 AND TYPE III DISTRIBUTION FULL CUTOFF FLAT GLASS LUMINARIES TO CONFORM WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT.
8. THE CONTRACTOR SHALL ARRANGE A NIGHT INSPECTION OF THE LIGHTING SYSTEM WITH THE PROJECT MANAGER AND THE CITY OF ALBUQUERQUE TO ENSURE COMPLIANCE WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT AND PROPER LEVELING OF LUMINAIRE HEADS.
9. CONVENTIONAL ROADWAY LIGHTING (240 V) IS TO BE SERVED BY A METER PEDESTAL IN COMBINATION WITH THE TRAFFIC SIGNALS.
10. LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN VERTICAL CLEARANCE AND HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. THE LOCAL POWER COMPANY WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.

INCIDENTAL ITEMS:

1. ANCHOR BOLTS AND GROUND RODS TO FOUNDATIONS.
2. UNIVERSAL SUPPORT BRACKETS FOR SERVICE RISERS.
3. CONCRETE FOUNDATION FOR LIGHTING CONTROL CABINETS INCLUDING EXCAVATION, BACKFILL, CONCRETE, GROUND RODS, AND ANCHOR BOLTS.
4. REWIRING OF ANY EXISTING LUMINAIRES TO REMAIN OR BE RESET.
5. TRAINING FOR AND ADJUSTMENTS OF HIGH MAST LIGHTING SYSTEMS.
6. ALL MATERIAL (CONDUIT AND WIRING) TO CONNECT THE NEW SERVICE DROPS TO THE METER CABINET
7. BREAKAWAYS SYSTEMS FOR LIGHTING STANDARDS.

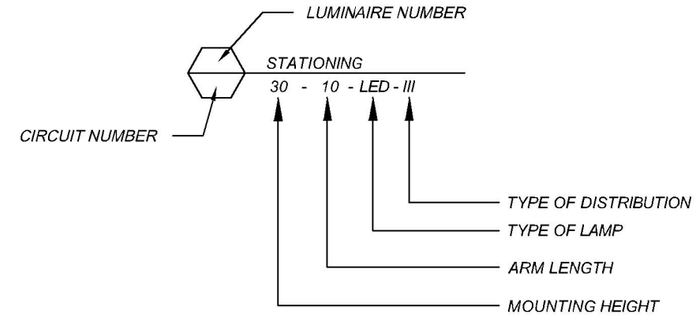
LIGHTING CONDUIT AND CONDUCTOR REQUIREMENTS

CONDUIT SIZE, LENGTH & TYPE					
RUN	LOCATION	3" REC	SCC 2	SCC 6	SCC 10
S1	POLE TO METER	15	2 @ 55	2 @ 55	
S2	METER TO CONTROLLER	10	2 @ 10	1 @ 10	
101	CONTROLLER TO SPB1	30	2 @ 35	1 @ 35	
102	SPB1 TO LPB1	185	2 @ 190	1 @ 190	
103	LPB1 TO SPB2	70	2 @ 75	1 @ 75	
104	SPB2 TO LPB2	140	2 @ 145	1 @ 145	
105	LPB2 TO LPB3	140	2 @ 145	1 @ 145	
106	LPB2 TO SPB3	55	2 @ 60	1 @ 60	
107	SPB3 TO LPB4	135	2 @ 140	1 @ 140	
108	SPB3 TO LPB5	205	2 @ 210	1 @ 210	
109	LPB5 TO SPB4	145	2 @ 150	1 @ 150	
110	SPB4 TO LPB6	55	2 @ 60	1 @ 60	
	TOTAL (ft)	1,185	2550	1330	0

Notes:
1. Typically set meter/transformers within 100' power source (PNM)
2. Typically provide 60 days notice for work orders (PNM)
3. Power Company WO Complete when Circuit is Energized

LIGHTING LEGEND

NEW	ITEM
	LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
	CONDUIT RUN
	PULL BOX
	SERVICE POLE WITH SERVICE RISER
LC	LIGHTING CONTROL CABINET
M	METER PEDESTAL



WOODWARD LIGHTING QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	USE
502030	DRILLED SHAFT 30"	LF	39	39
706110	SERVICE RISER (LIGHTING)	EACH	1	1
706350	POWER SERVICE INSTALLATION	L.S.	L.S.	L.S.
706405	LIGHTING CONTROL CABINET-SIX CIRCUIT	EACH	1	1
707530	TYPE V STANDARD, 30'	EACH	6	6
707810	REMOVE & RESET LIGHTING STANDARD & LUMINAIRE	EACH	-	-
709020	RIGID ELECTRICAL CONDUIT 2" (DIA.)	LF	937.41	938
710000	ELECTRICAL PULL BOX (STANDARD)	EACH	10	10
711102	SINGLE CONDUCTOR 2	LF	2,550.00	2,550
711106	SINGLE CONDUCTOR 6	LF	1,330.00	1,330
716025	ROADWAY LUMINAIRE TYPE 250 S	EACH	6	6
540060	REINFORCING BARS GRADE 60	LBS	1,200	1,200

*QUANTITY FOR SIGNAL MAST ARM-MOUNTED LUMINAIRES IS INCLUDED IN TRAFFIC SIGNAL QUANTITIES (9 SERIES)

SURESH PARVATOJA NEW MEXICO 17910 REGISTERED PROFESSIONAL ENGINEER

1/22/21

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

LIGHTING GENERAL NOTES

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

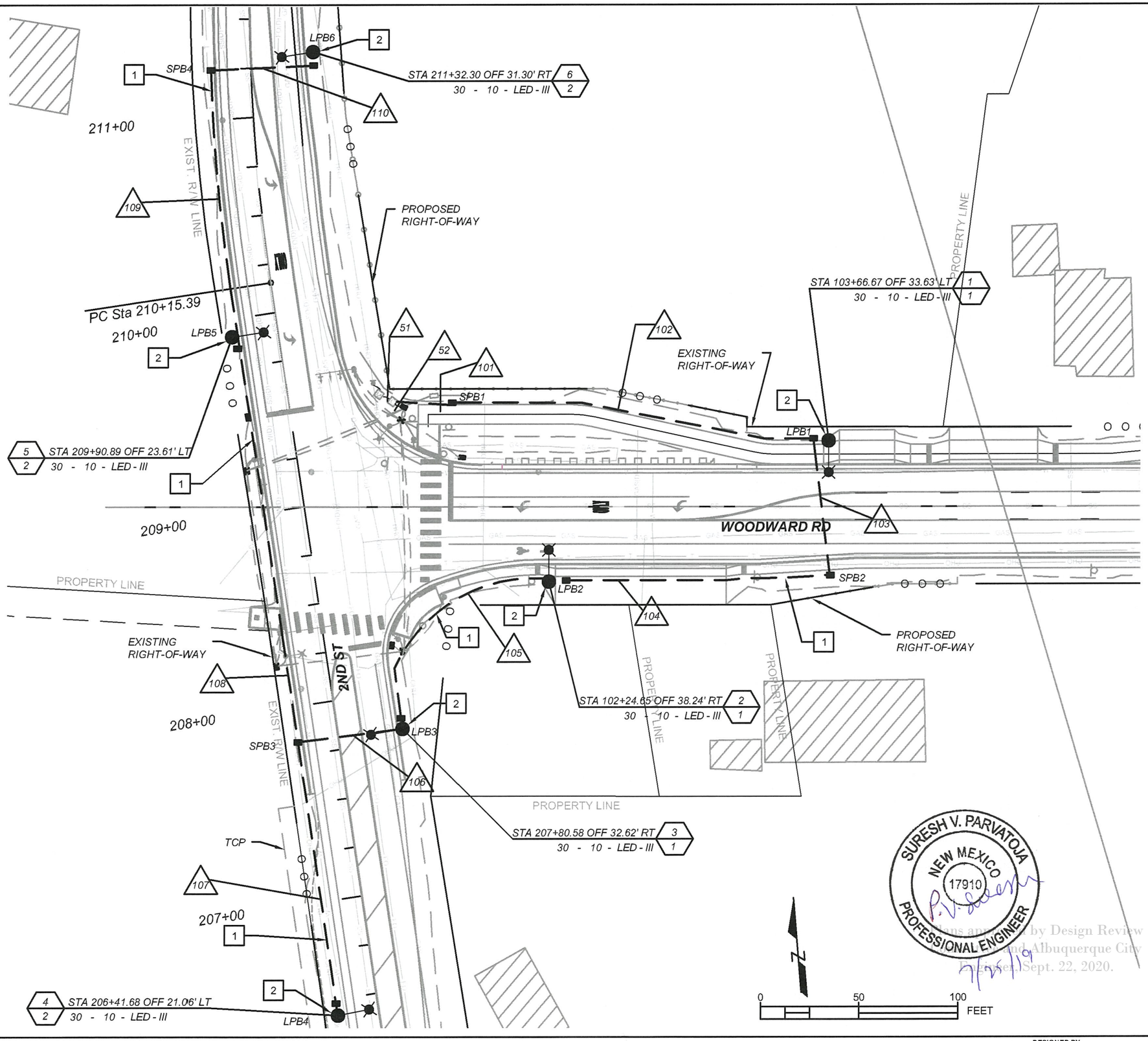
SHEET 8-1 OF

DESIGNED BY:

DRAWING SCALE:

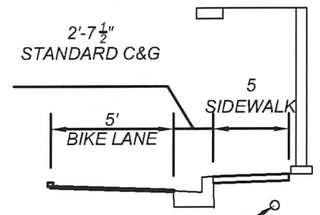
NMDOT CN: A300161

605726857: C:\prworking\aecom_cat1b_ne\chris.rose@aecom.com\d0118048\A300161_8-1_GenNotes.dwg PLOTTED: 1/25/21 - 2:01pm chris.rose



KEYED NOTES

1. INSTALL NEW 2" RIGID ELECTRICAL CONDUIT WITH 2-#2 AWG CONDUCTORS
2. INSTALL NEW TYPE V, 30 FT SINGLE ARM POLE, LUMINAIRE AND NEW FOUNDATION
3. INSTALL NEW 240V LIGHTING CONTROL CABINET (6 CIRCUIT METERED)
4. INSTALL NEW PULL BOX (STANDARD SIZE)
5. UTILIZE POWER DROP, SERVICE AND COMBINATION METER FROM THE SIGNAL
6. INSTALL 5' STUB-OUT WITH CAP
7. REMOVE AND RESET EXISTING LIGHT POLE AND LUMINAIRE ON NEW DRILLED SHAFT FOUNDATION
8. REMOVE EXISTING FOUNDATION, WIRING AND CONDUIT
9. INTERCEPT EXISTING CONDUIT AND WIRING
10. EXISTING WIRING, CONDUIT AND PULL BOXES TO REMAIN



LIGHTING AND CONDUIT TYPICAL SECTION

ABBREVIATIONS

SPB#, LPB#	ELECTRICAL PULL BOX (STANDARD)
#	CONDUIT RUN

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

SURESH V. PARVATOJA
NEW MEXICO
17910
PROFESSIONAL ENGINEER
7/25/19

Plans approved by Design Review and Albuquerque City Engineer, Sept. 22, 2020.

WOODWARD ROAD IMPROVEMENTS
LIGHTING PLAN
2ND STREET AND WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 8-2 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwwise\ag\vaecom_ale18_ne\jordon.thompson38\acom.com\d0118045\A300181_8-2P.dwg PLOTTED: 7/25/19 - 1:20pm Jordon.Thompson11

TRAFFIC SIGNAL NOTES

1. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS 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 (ADA). 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.
2. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
3. MASTARMS SHALL BE PLACED 90° TO THE CENTERLINE UNLESS OTHERWISE NOTED.
4. ALL DETECTION DEVICE CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH CABLE. ALL OPTICAL DETECTOR CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH BY DIRECTION AND LOCATION.
5. EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULL BOXES ARE INSTALLED OR REPLACED. THIS WORK IS INCLUDED IN THE PULL BOX AND WIRING BID ITEMS.
6. THE CONTRACTOR SHALL FURNISH FOUNDATION ELEVATIONS TO THE PROJECT MANAGER 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 INCLUDED IN THE DRILLED SHAFT BID ITEMS. ALL FOUNDATIONS LOCATED WITHIN SIDEWALKS OR ADA CURB RAMPS SHALL BE CONSTRUCTED TO MATCH FINISHED GRADE OF SIDEWALKS OR RAMPS.
7. SIGNALS NEAR EXISTING OVERHEAD POWER LINES MUST MAINTAIN A VERTICAL CLEARANCE AND/OR A HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. PNM WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.

INCIDENTAL ITEMS

1. CABLE TESTING AND DIAGRAMS INCLUDED IN THE WIRING ITEMS (ITEM # 711005,711007, 711020)
2. BORING, DRILLING, PUSHING, AND TRENCHING, INCLUDING REMOVAL AND REPLACEMENT OF PAVEMENT, SIDEWALKS, DRIVE PADS, VALLEY GUTTERS, WHEELCHAIR RAMPS, CURB & GUTTER, AND LANDSCAPING (INCLUDING SPRINKLERS), FOR INSTALLATION OF PULL BOXES, CONDUITS, AND SIGNAL FOUNDATIONS, EXCEPT AS NOTED ON THE PLANS. THIS IS INCLUDED IN RIGID ELECTRICAL CONDUIT X"(DIA) (ITEM # 709020, 709030)
3. LOCATIONS OF UTILITY LINES INCLUDING EXPLORATORY TRENCHING AND EXPOSING OF GAS LINES WHEN A POTENTIAL CONFLICT IS IDENTIFIED PRIOR TO BORING. THIS WORK IS INCLUDED IN RIGID ELECTRICAL CONDUIT X"(DIA) (ITEM # 709020, 709030)
4. DESIGN, MATERIALS, INSTALLATION AND REMOVAL OF SAFETY BARRIER FOR SHIELDING EQUIPMENT OR MATERIAL. THIS IS INCLUDED IN RIGID ELECTRICAL CONDUIT X"(DIA) (ITEM # 709020, 709030)
5. PULL BOX ADJUSTMENT TO GRADE. IF NEEDED, INCLUDED IN PULL BOXES (ITEM # 71000, 710010)
6. OFF-DUTY POLICE OFFICER FOR TRAFFIC CONTROL. INCLUDED 618000 TRAFFIC CONTROL MANAGEMENT
7. EQUIPMENT MANUFACTURER'S ASSISTANCE TO INSTALL, SET UP, PROGRAM, TURN ON, FIELD TEST, AND PROVIDE TRAINING FOR TRAFFIC SIGNAL EQUIPMENT INCLUDING THE (DETECTION EQUIPMENT, AND EMERGENCY VEHICLE PREEMPTION EQUIPMENT). INCLUDED IN ITEM 714000 TRAFFIC ACTUATED CONTROLLER
8. ANCHOR BOLTS FOR FOUNDATIONS IS INCLUDED IN THE REBAR (ITEM # 502048 & 540060)
9. PULL STRINGS FOR EMPTY CONDUITS. THIS IS INCLUDED IN RIGID ELECTRICAL CONDUIT X"(DIA) (ITEM # 709020, 709030)

TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
■	□	PULL BOX
●	○	SERVICE POLE
M	M	METER PEDESTAL
C	C	CONTROLLER CABINET
———	———	CONDUIT RUN (INTERCONNECT)
– – – –	– – – –	CONDUIT RUN (SIGNALS)
– – – –	– – – –	CONDUIT RUN (LIGHTING)
X	X	CONDUIT RUN NUMBER (SIGNAL)
SX	SX	CONDUIT RUN NUMBER (POWER SERVICE)
		TRAFFIC SIGNAL PEDESTAL POLE
		TYPE II STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, AND OPTICAL DETECTOR
		TYPE III STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, OPTICAL DETECTOR, AND VIDEO CAMERA
		PEDESTRIAN PUSH BUTTON (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		PEDESTRIAN SIGNALS (MOUNTED TO SIDE OF POLE WHERE INDICATED)

SYMBOL KEY

- C — CONTROL CABINET
- M — METER PEDESTAL W/ UPS
- X — CONDUIT RUN ID (SIGNAL)
- SX — CONDUIT RUN ID (POWER SERVICE)

ABBREVIATIONS

MA1	MAST ARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
PDP1	PEDESTRIAN DETECTOR POST NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
1M1,1,1A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
OPT DET	OPTICAL EMERGENCY DETECTOR
CAM1	VIDEO CAMERA NUMBER
MH01	TRAFFIC MANHOLE NUMBER
VID	VIDEO PRESENCE DETECTOR
RADA	RADAR ADVANCE DETECTOR
RAD	RADAR PRESENCE DETECTOR

SURESH PARVATOJA — NEW MEXICO — 17910 — REGISTERED PROFESSIONAL ENGINEER

1/22/21

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

TRAFFIC SIGNAL GENERAL NOTES

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET **9-1** OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657: C:\Users\chris.rosol\appdata\local\temp\AcPublish_52816\A300161_9-1_GenNotes.dwg PLOTTED: 1/25/21 - 9:36am chris.rosol

SUMMARY OF TRAFFIC SIGNAL QUANTITIES

	ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
*	502036	DRILLED SHAFT FOUNDATION 36" DIAMETER	LF	48
**	540060	REINFORCING BARS GRADE 60	LBS	2,405
	706100	SERVICE RISER (SIGNAL)	EACH	1
	706200	METER PEDESTAL (SIGNAL)	EACH	1
	706350	POWER SERVICE INSTALLATION	L.S.	L.S.
	707013	TYPE I STANDARD, 13'	EACH	4
	707320	TYPE III STANDARD, 20' ARM	EACH	1
	707231	TYPE III ALBUQUERQUE STANDARD, 30' ARM	EACH	2
	709030	RIGID ELECTRICAL CONDUIT 3" (DIA.)	LF	1,000
	710010	ELECTRICAL PULL BOX (LARGE)	EACH	8
	711102	SINGLE CONDUCTOR 2	LF	20
	711106	SINGLE CONDUCTOR 6	LF	956
	711005	MULTI CONDUCTOR 5	LF	519
	711020	MULTI CONDUCTOR 20	LF	1,257
	712030	3 SECTION TRAFFIC SIGNAL ASSEMBLY	EACH	9
	712050	5 SECTION TRAFFIC SIGNAL ASSEMBLY	EACH	2
	712201	PEDESTRIAN SIGNAL (LED)	EACH	4
	712330	3 SECTION BACKPLATE	EACH	9
	712350	5 SECTION BACKPLATE	EACH	2
	713010	LOOP VEHICLE DETECTOR	EACH	5
	713020	PUSH BUTTON STATION	EACH	4
	713040	DUCTED LOOP DETECTOR WIRE	LF	2,000
	713250	LOOP LEAD-IN CABLE	LF	339
	713300	DETECTOR SAW CUT	LF	700
	713430	PHASE SELECTOR MODULE	EACH	1
	713440	PHASE SELECTOR RACK, 4 CHANNEL	EACH	1
	713511	OPITICAL DETECTOR, 1 DIRECTION, 1 CHANNEL	EACH	2
	713600	OPTICAL DETECTOR CABLE	LF	382
	714000	TRAFFIC ACTUATED CONTROLLER	EACH	1
	714280	8 PHASE DOUBLE RING CONTROLLER CABINET	EACH	1

*NOTE: REFERENCE IS MADE TO ITEM NO. 502036 - DRILLED SHAFT FOUNDATION 36" DIAMETER. THE PAYMENT FOR CLASS G CONCRETE, ANCHOR BOLTS AND ASSOCIATED HARDWARE SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM (PER NMDOT SERIAL 708S-02-2/2).

**NOTE: REFERENCE IS MADE TO ITEM NO. 540060 - REINFORCING BARS GRADE 60. QUANTITY FOR MAST ARM BARS TAKEN FROM NMDOT STANDARD DRAWING 708S-02-2/2, TABLE - TRAFFIC SIGNAL: NON-COHESIVE SOIL.

SURESH PARVATOJA
NEW MEXICO
17910
REGISTERED PROFESSIONAL ENGINEER

1/22/21

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRAFFIC SIGNAL QUANTITIES

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

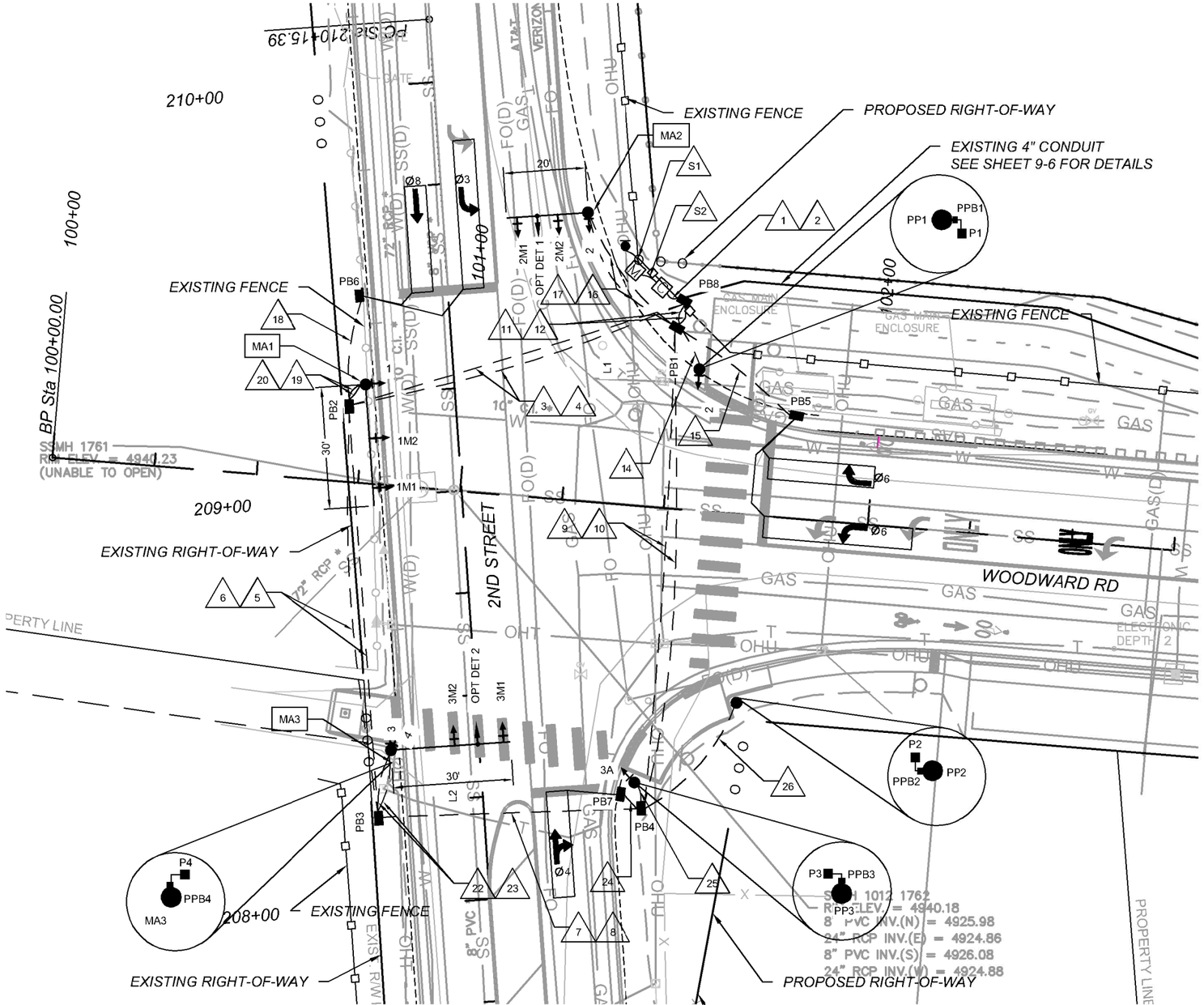
SHEET 9-2 OF

DESIGNED BY:

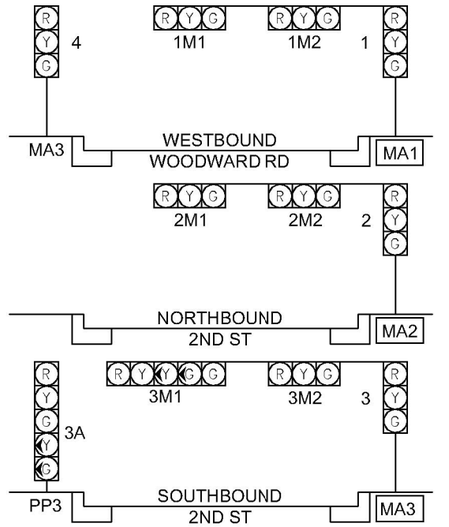
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\chris.rosel_de18_ss\Documents\60572657_WOODWARD ROAD IMPROVEMENTS_chris.rosel@aecom.com\60572657_WOODWARD ROAD IMPROVEMENTS_A300161_S-2502.dwg PLOTTED: 1/25/21 - 2:08pm chris.rosel



TRAFFIC SIGNAL CONFIGURATION BY APPROACH



	Φ1	Φ3	Φ4	Φ8
Minimum Initial	10	5	10	10
Vehicle Extension	3	3	3	3
Maximum 1	30	10	35	15
Maximum 2	35	15	40	20
Yellow Clear	3.5	3	4	4
All Red	2	0	1.5	1.5
Walk	4	0	4	0
Pedestrian Clear	12	0	15	0
Operation	Off	Off	Off	Off

SIGN TYPE	SIGN	SIZE	POLE NO.	REMARKS
D3-3-1	2ND ST	18 X	MA1	ALUMINUM PANEL SIGN
D3-3-1	WOODWARD RD	18 X	MA2,MA3	ALUMINUM PANEL SIGN

0 30 60 FEET

SYMBOL KEY

- CONTROL CABINET
- METER PEDESTAL W/ UPS
- CONDUIT RUN ID (SIGNAL)
- CONDUIT RUN ID (POWER SERVICE)

NOTES

1. ALL SIGNAL PULL BOXES ARE LARGE SIZE.
2. ALL LIGHTING PULL BOXES ARE STANDARD SIZE.

ABBREVIATIONS

MA1	MAST ARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
PDP1	PEDESTRIAN DETECTOR POST NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
1M1,1,1A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
OPT DET	OPTICAL EMERGENCY DETECTOR
CAM1	VIDEO CAMERA NUMBER
MH01	TRAFFIC MANHOLE NUMBER

SURESH PARVATOJA NEW MEXICO 17910 REGISTERED PROFESSIONAL ENGINEER

1/22/21

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

TRAFFIC SIGNAL PLAN

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 9-3 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_de18_nr\chris.rose@aecom.com\d0118051\A300161_9-3.dwg PLOTTED: 1/25/21 - 1:56pm chris.rose

CONDUCTOR REQUIREMENTS - TABLE 1

		CONDUCTOR SIZE , LENGTH & TYPE							
RUN	LOCATION	3 in	3 in	MCC 5 (# @ ft)	MCC 20 (# @ ft)	SCC 2 (# @ ft)	SCC 6 (# @ ft)	OPT DET (# @ ft)	LLIC (# @ ft)
S1	POLE TO METER					2 @ 5			
S2	METER TO CONTROLLER					2 @ 5			
1	CONTROLLER TO PB8		5	1 @ 11	2 @ 11		2 @ 11		
2	CONTROLLER TO PB8	5						2 @ 11	3 @ 11
3	PB8 TO PB2		85	1 @ 91	2 @ 91		2 @ 91		
4	PB8 TO PB2	85						1 @ 91	1 @ 91
5	PB2 TO PB3		100	1 @ 106	2 @ 106		2 @ 106		
6	PB2 TO PB3	100						1 @ 106	
7	PB3 TO PB4		65	1 @ 71	2 @ 71		2 @ 71		
8	PB3 TO PB4	65							
9	PB4 TO PB1	115		1 @ 121	2 @ 121		2 @ 121		
10	PB4 TO PB1		115						1 @ 121
11	PB8 TO PB1		5	1 @ 11	2 @ 11				
12	PB8 TO PB1	5						1 @ 11	1 @ 11
14	PB1 TO PP1		15	1 @ 21	1 @ 21				
15	PB1 TO PB5		40						1 @ 46
16	PB1 TO MA2	35			1 @ 41		2 @ 41		
17	PB1 TO MA2		35					1 @ 41	
18	PB2 TO PB6		25						1 @ 26
19	PB2 TO MA1	10			1 @ 16		2 @ 16		
20	PB2 TO MA1		10						
22	PB3 TO MA3	15			1 @ 21		2 @ 21		
23	PB3 TO MA3		15					1 @ 21	
24	PB4 TO PB7		5						1 @ 11
25	PB4 TO PP3		5	1 @ 11	1 @ 11				
26	PB4 TO PP2		40	1 @ 46					
	INTERSECTION TOTAL (ft)	435	565	489	932	20	956	292	339

Broken out as 1 green wire and 1 white wire

Notes:

1. Include 6' For Conduit Bend
2. Nylon Pull Rope Incidental

FUNCTION CHART - 24 VOLT CIRCUIT

CONDUCTOR		MULTI CONDUCTOR CABLE 5	
NUMBER	BASE COLOR	FUNCTION	FUNCTION CONNECTION
1	BLACK	PHASE 2	PPB3, PPB4
2	WHITE	COMMON	-
3	RED	PHASE 4	PPB1, PPB1
4	GREEN	PHASE 6	-
5	ORANGE	PHASE 8	-

SIGNAL POLES AND MAST ARMS

ID #	TYPE	STATION	OFFSET
MA1	MAST ARM - 30' TYPE II	100+74.82	24.19' LT
MA2	MAST ARM - 20' TYPE III	209+65.71	40.08' RT
MA3	MAST ARM - 30' TYPE II	208+34.85	21.64' LT
PP1	PEDESTAL POLE - 13' TYPE I	101+60.80	34.30' LT
PP2	PEDESTAL POLE - 13' TYPE I	101+71.56	44.76' RT
PP3	PEDESTAL POLE - 13' TYPE I	208+29.40	40.58' RT
PP4	PEDESTAL POLE - 13' TYPE I	208+30.40	40.58' RT

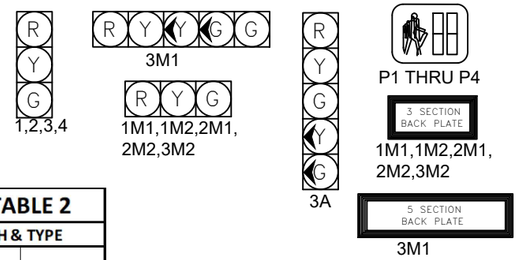
CONDUIT AND CONDUCTOR REQUIREMENTS - TABLE 2

CONDUIT SIZE, LENGTH & TYPE		CONDUCTOR SIZE , LENGTH & TYPE			
RUN	LOCATION	MCC 5 (# @ ft)	MCC 20 (# @ ft)	SCC 6 (# @ ft)	OPT DET (# @ ft)
MA1	BASE TO 1M1		1 @ 50		
MA1	BASE TO 1M2		1 @ 35		
MA1	BASE TO 1		1 @ 20		
MA2	BASE TO 2M1		1 @ 40		
MA2	BASE TO 2M2		1 @ 30		
MA2	BASE TO 1		1 @ 20		
MA2	BASE TO OPT DET 1				1 @ 40
MA3	BASE TO 3M1		1 @ 50		
MA3	BASE TO 3M2		1 @ 40		
MA3	BASE TO 3		1 @ 20		
MA3	BASE TO OPT DET 1				1 @ 50
PP1	BASE TO PPB2	1 @ 10			
PP2	BASE TO PPB3	1 @ 10			
PP3	BASE TO PPB3	1 @ 10	1 @ 20		
TOTAL		30	325	0	90

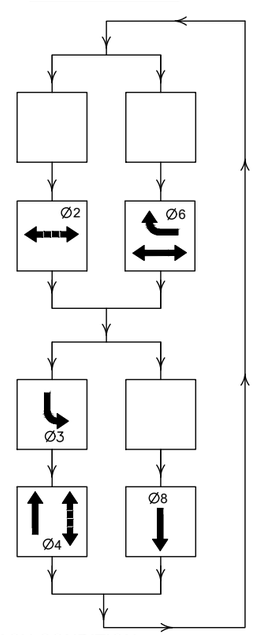
FUNCTION CHART - 115 VOLT CIRCUIT

CONDUCTOR			RING 1 - MULTI CONDUCTOR CABLE 20		RING 2 - MULTI CONDUCTOR CABLE 20	
NUMBER	BASE COLOR	TRACER	FUNCTION	FUNCTION CONNECTION	FUNCTION	FIELD CONNECTION
1	BLACK	-	SPARE	SPARE	SPARE	SPARE
2	WHITE	-	SPARE	SPARE	SPARE	SPARE
3	RED	-	PHASE 3 RED	3M1 - CIR GREEN; 3A - CIR GREEN	SPARE	SPARE
4	GREEN	-	PHASE 3 GREEN	3M1 - ARROW GREEN; 3A - CIR GREEN	SPARE	SPARE
5	ORANGE	-	PHASE 3 YELLOW	3M1 - ARROW YELLOW; 3A - CIR YELLOW	SPARE	SPARE
6	BLUE	-	SPARE	SPARE	SPARE	SPARE
7	WHITE	BLACK	SPARE	SPARE	SPARE	SPARE
8	RED	BLACK	PHASE 4 RED	2M1, 2M2, 2 - CIR RED	PHASE 8 RED	3M1, 3M2, 3 - CIR RED
9	GREEN	BLACK	PHASE 4 GREEN	2M1, 2M2, 2 - CIR GREEN	PHASE 8 GREEN	3M1, 3M2, 3 - CIR GREEN
10	ORANGE	BLACK	PHASE 4 YELLOW	2M1, 2M2, 2 - CIR YELLOW	PHASE 8 YELLOW	3M1, 3M2, 3 - CIR YELLOW
11	BLUE	BLACK	PHASE 3 WALK	P3, P4 - PED WALK	PHASE 8 WALK	P1, P2 - PED WALK
12	BLACK	WHITE	PHASE 3 DON'T WALK	P1, P2 - PED DON'T WALK	PHASE 8 DON'T WALK	P1, P2 - PED DON'T WALK
13	RED	WHITE	PHASE 1 RED	1M1, 1M2, 1, 4 - CIR RED	PHASE 7 RED	SPARE
14	GREEN	WHITE	PHASE 1 GREEN	1M1, 1M2, 1, 4 -CIR GREEN	PHASE 7 GREEN	SPARE
15	BLUE	WHITE	PHASE 1 YELLOW	1M1, 1M2, 1, 4 - CIR YELLOW	PHASE 7 YELLOW	SPARE
16	BLACK	RED	PHASE 4 RED	SPARE	PHASE 6 RED	SPARE
17	WHITE	RED	PHASE 4 GREEN	SPARE	PHASE 6 GREEN	SPARE
18	ORANGE	RED	PHASE 4 YELLOW	SPARE	PHASE 6 YELLOW	SPARE
19	BLUE	BLACK	SPARE	SPARE	PHASE 6 WALK	SPARE
20	BLACK	WHITE	SPARE	SPARE	PHASE 6 DON'T WALK	SPARE

TYPICAL SIGNAL FACE LENS ARRANGEMENTS



SIGNAL PHASING



FLASH CONDITION

RED BALL ALL INDICATIONS

RED BALL

INITIALIZATION

ALL RED, THEN PHASE 1 GREEN

ABBREVIATIONS

MA1	MAST ARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
PDP1	PEDESTRIAN DETECTOR POST NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
1M1,1,1A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
OPT DET	OPTICAL EMERGENCY DETECTOR
CAM1	VIDEO CAMERA NUMBER
MH01	TRAFFIC MANHOLE NUMBER

SURESH PARVATOJA NEW MEXICO 17910 REGISTERED PROFESSIONAL ENGINEER

1/22/21

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

TRAFFIC SIGNAL DETAILS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 9-4 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657: C:\Users\chris.rosel\appdata\local\temp\AcPublish_52\8136\A300161_9-4-4025.dwg PLOTTED: 1/25/21 - 9:36am chris.rosel

750000 - INTELLIGENT TRANSPORTATION SYSTEM (LUMP SUM)

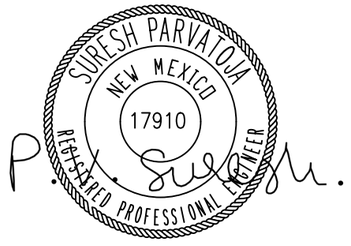
ITS SUMMARY OF QUANTITIES (FOR INFORMATION ONLY)			
ITEM NO.	**ITEM DESCRIPTION**	**UNIT**	**QUANTITY**
	RIGID ELECTRICAL CONDUIT 3" (DIA.)	LIN. FT	180
	VIDEO CABLE	LIN. FT	60
425.021	ITS SPLICE VAULT, CIP	LIN. FT	1
425.61X	FIBER SPLICES	EACH	1
435.006	SINGLE MODE FIBER OPTIC CABLE (6)	LIN. FT	200

THE FOLLOWING NOTES IDENTIFY TYPICAL INSTALLATION INFORMATION FOR ITS EQUIPMENT AROUND THE INTERSECTION TO CONFORM TO THE CITY OF ALBUQUERQUE STANDARDS.

ALL INFRASTRUCTURE SHALL BE INSTALLED WITHIN PUBLIC ROW AND AS SHOWN ON THE PLANS.

UNLESS OTHERWISE NOTED, ALL SIGNAL EQUIPMENT INCLUDING WIRING, CONDUCTORS, AND POLES ARE TO BE INSTALL PER THIS PLAN SET.

1. *SPLICE ITS PULLBOX (COA ITS SPILCE VAULT, CIP)*
   - *A. CABINET SHALL BE INSTALLED WITHIN THE RIGHT OF WAY AND WITHIN CLOSE PROXIMITY TO THE INTERSECTION.*
   - *B. CONTRACTOR SHALL PROVIDE 50 FT OF CABLE SLACK FOR EACH CABLE ENTERING THE ITS PULLBOX.*
   - *C. SEE SPLICE DIAGRAMS FOR FIBER OPTIC CABLE CONNECTIONS.*
2. *CONDUIT AND FIBER CABLE*
   - *A. WHERE POSSIBLE THE TRUCK FIBER OPTIC CABLE (96 SMFO) SHOULD NOT BE MIXED WITH THE TRAFFIC SIGNAL CONDUIT OR CONDUCTORS*
   - *B. IN THE EVENT THAT THE FIBER OPTIC CABLE AND THE SIGNAL CONDUCTORS EXIST IN THE SAME CONDUIT THE FIBER OPTIC CABLE SHALL BE CLEARLY LABELED AND IDENTIFIED IN EACH PULL BOX.*
   - *C. FIBER TRUCK CABLES MAY BE MIXED WITH OTHER ITS EQUIPMENT CABLE (CCTV) AS SHOWN IN THE DESIGN.*
3. *CONDUIT AND BRANCH FIBER CABLE*
   - *A. WHERE POSSIBLE THE 6 SMFO CABLE SHALL BE CONTAINED WITHIN ITS OWN CONDUIT, SEPARATE FROM THE TRAFFIC SIGNAL CONDUCTORS.*
   - *B. LOCATIONS WHERE THIS IS NOT POSSIBLE MAY INCLUDE CONNECTIONS FROM THE HOMERUN TRAFFIC SIGNAL PULL BOX TO THE CONTROLLER CABINET.*
   - *C. IN THE EVENT THAT THE FIBER OPTIC CABLE AND THE TRAFFIC SIGNAL CONDUCTORS EXIST IN THE SAME CONDUIT, THE FIBER OPTIC CABLE SHALL BE CLEARLY LABELED AND IDENTIFIED.*
4. *TRAFFIC SIGNAL POLES*
   - *A. FIBER OPTIC CABLES SHALL NOT RUN THROUGH THE BASES OF TRAFFIC SIGNAL POLES UNDER ANY CIRCUMSTANCES.*
   - *B. IF IT IS FOUND THAT EXISTING COMMUNICATION CABLE IS ROUTED THROUGH THE TRAFFIC SIGNAL POLE, A DESIGN CHANGE WILL NEED TO BE MADE.*
   - *C. CCTV CAMERA OR WIRELESS COMMUNICATION DEVICES MAY BE MOUNTED TO THE TRAFFIC SIGNAL POLES, CABLES ASSOCIATED WITH THESE DEVICES CAN BE RUN THROUGH THE SIGNAL CONDUIT TO THE CONTROLLER CABINET.*



1/22/21

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ITS PLANS
ITS QUANTITIES & DETAILS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET **9-5** OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

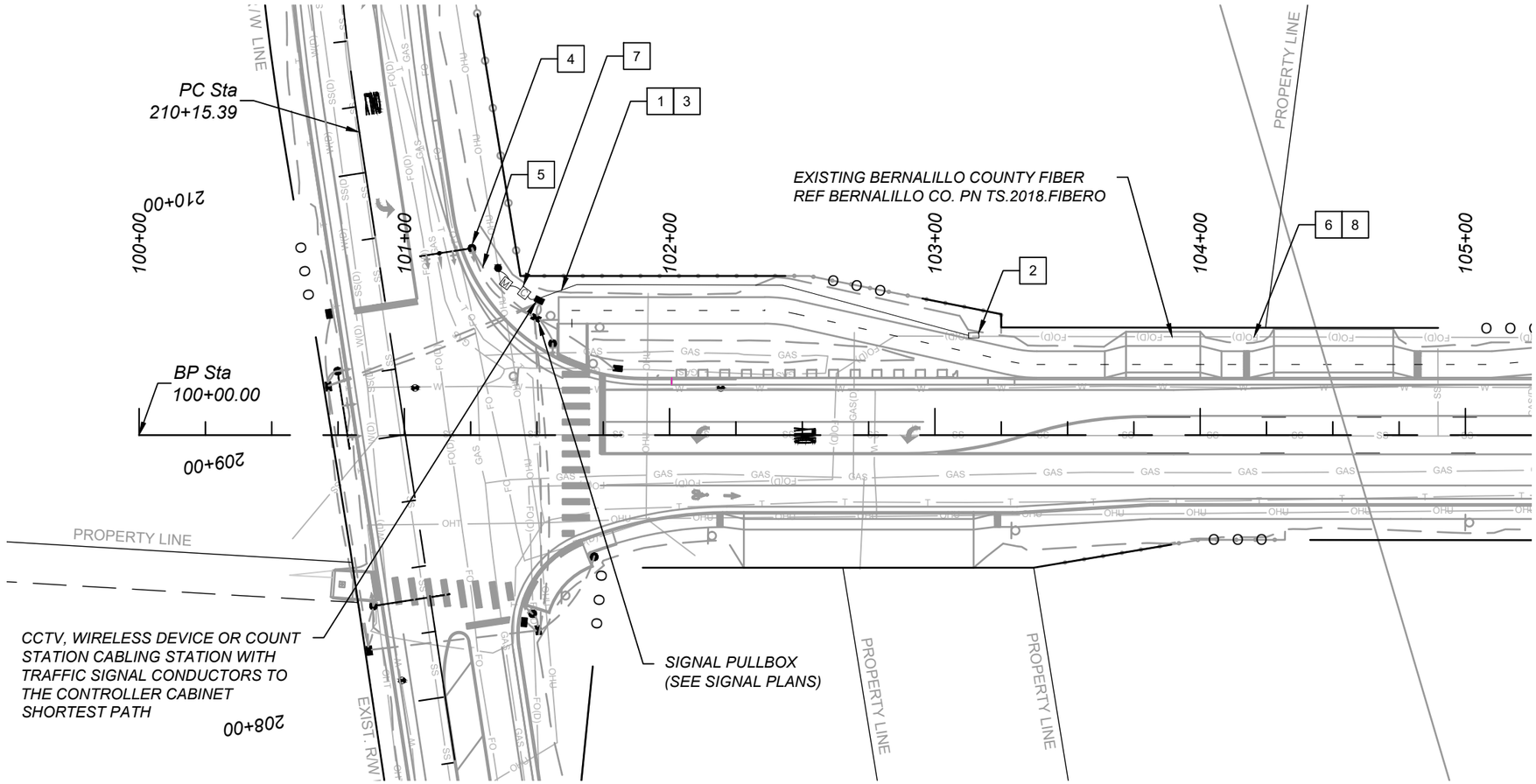
60572657 C:\Users\chris.rosol\ppdata\local\temp\AcPublish_5281\60572657_A300161_9-5PS.dwg PLOTTED: 1/25/21 - 9:36am chris.rosol

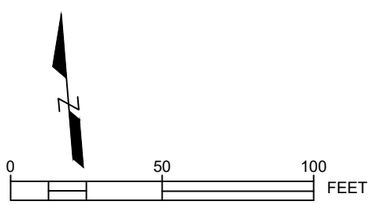
CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH BERNALILLO COUNTY ITS SECTION PRIOR TO MAKING THE SPLICE CONNECTION TO THE BERNALILLO COUNTY FIBER NETWORK.

KEYED NOTES

1	INSTALL NEW 3" SINGLE-DUCT CONDUIT
2	INSTALL ITS PULLBOX (COA ITS SPLICE VAULT, CIP)
3	INSTALL 6 SMFO CABLE WITH TRACER WIRE
4	INSTALL CCTV CAMERA
5	INSTALL CCTV CABLING
6	EXIST 96 SMFO CABLE WITH TRACER WIRE IN EXISTING INTERCONNECT CONDUIT TO REMAIN
7	PROPOSED TRAFFIC SIGNAL CABINET (SEE TRAFFIC SIGNAL PLANS)
8	INTERCEPT EXISTING INTERCONNECT PULL BOX/MANHOLE "BERNALILLO COUNTY ANIMAL CARE FACILITY FIBER OPTIC INSTALLATION PROJECT" BERNALILLO COUNTY PROJECT NO. TS.2018.FIBERO CITY OF ALBUQUERQUE PROJECT NO. 425982





1/22/21

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ITS PLAN

FIBER OPTIC LAYOUT

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

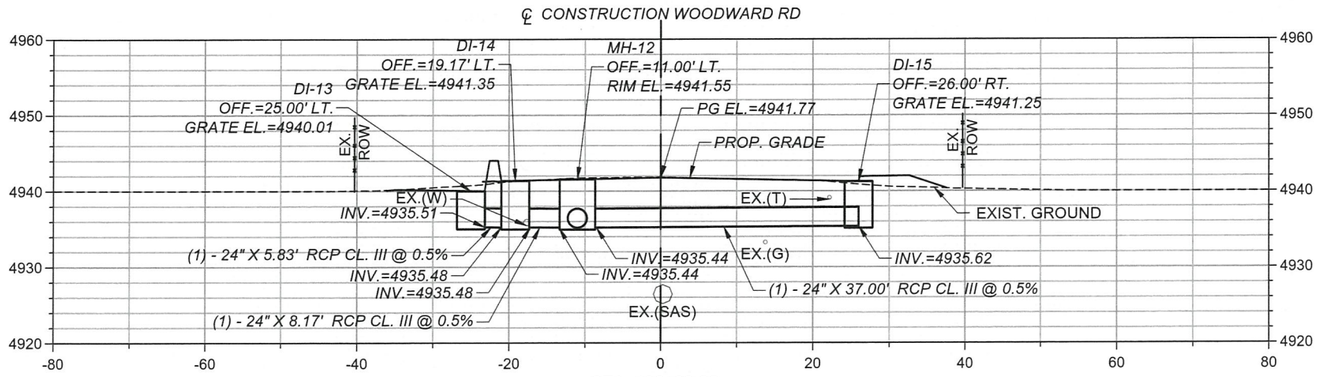
SHEET **9-6** OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\Users\chris.rosol\appdata\local\temp\AcPublish_52816\A300161_9-6FOL.dwg PLOTTED: 1/25/21 - 9:37am chris.rosol



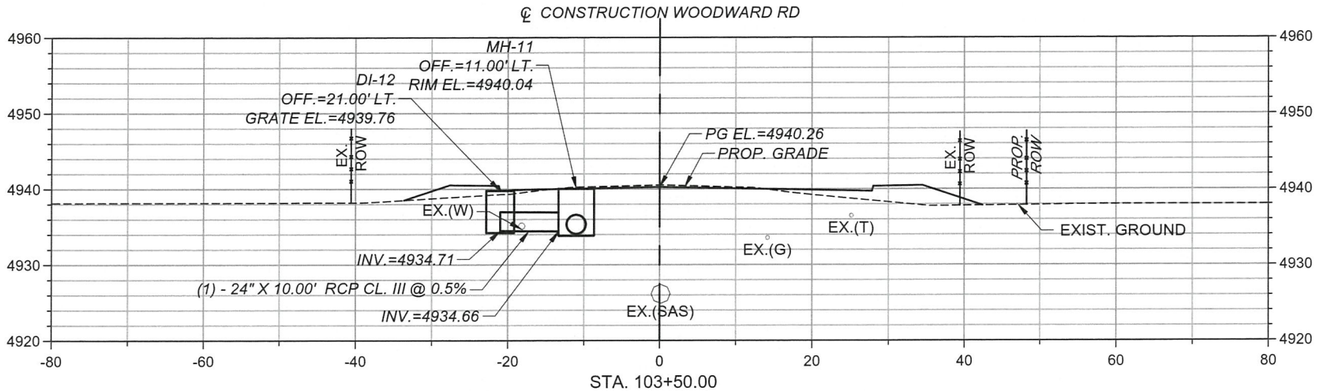
STA. 106+09.86

DI-13 BUILD 1 - COA TYPE DOUBLE D INLET, H=4.53', CONNECT TO DI-14 W/ 1-24" X 5.83' RCP CL. III @ 0.5%

DI-14 BUILD 1 - COA TYPE SINGLE D INLET, H=5.87', CONNECT TO MH-12 W/ 1-24" X 8.17' RCP CL. III @ 0.5%

DI-15 BUILD 1 - COA TYPE SINGLE A INLET, H=5.63', CONNECT TO MH-12 W/ 1-24" X 37.00' RCP CL. III @ 0.5%

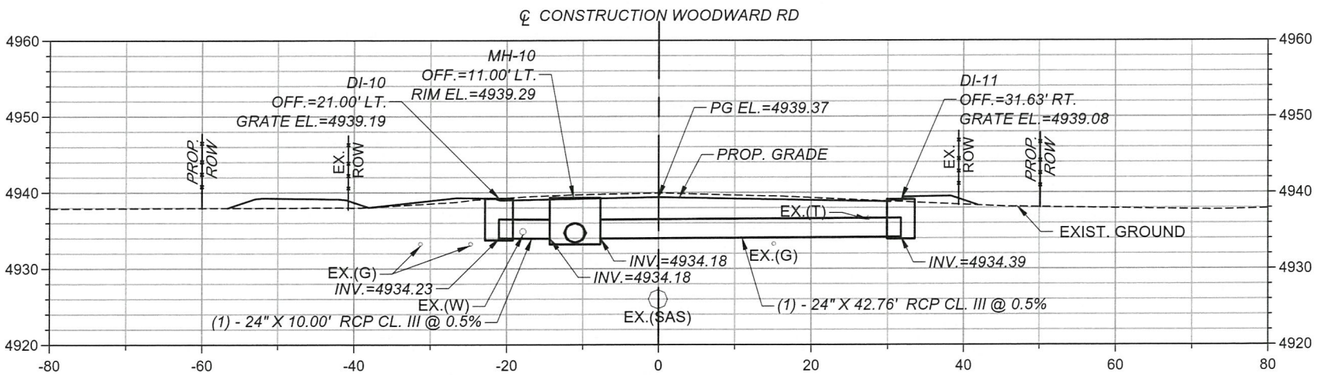
MH-12 BUILD 1 - 4' DIA. MANHOLE TYPE E, H=6.11'



STA. 103+50.00

DI-12 BUILD 1 - COA TYPE SINGLE C INLET, H=5.05', CONNECT TO MH-11 W/ 1-24" X 10.00' RCP CL. III @ 0.5%

MH-11 BUILD 1 - 4' DIA. MANHOLE TYPE C, H=5.70'



STA. 101+90.28

DI-10 BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.96', CONNECT TO MH-10 W/ 1-24" X 10.00' RCP CL. III @ 0.5%

DI-11 BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.69', CONNECT TO MH-10 W/ 1-24" X 42.76' RCP CL. III @ 0.5%

MH-10 BUILD 1 - 6' DIA. MANHOLE TYPE C, H=5.60'

NOTES

1. STRUCTURE PLACEMENT SECTIONS ARE SHOWN ALONG THE CENTERLINE OF THE STORM DRAIN CULVERT PIPE.
2. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS, OFFSETS, AND ELEVATIONS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
4. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
5. WHEN CONNECTING TO EXISTING STORM DRAINS, REMOVE AND REPLACE 4 FEET OF EXISTING PIPE (INCIDENTAL TO THE CONSTRUCTION OF RCP CL. III).
6. ELEVATIONS OF UTILITIES ARE UNKNOWN, WITH THE EXCEPTION OF SAS.
7. USE TYPE C MANHOLES FOR HEIGHTS LESS THAN 6'. USE TYPE C OR E MANHOLES FOR HEIGHTS GREATER THAN 6'.
8. SDCP = STORM DRAIN CULVERT PIPE
   RCP = REINFORCED CONCRETE PIPE
9. REFER TO SHEETS 3-9 TO 3-16 FOR STORM DRAIN TRUNK LINE PLAN AND PROFILE.
10. RCP CL. III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP), REFER TO NMDOT STD. DWGS. 206-01-1/1, 206-02-1/1, 203-03-1/1, 206-04-1/3, 206-05-1/1, 206-06-1/1, 206-07-1/1, AND 206-10-1/1.
11. FOR MANHOLE DETAILS, REFER TO NMDOT STD. DWGS. 662-01-1/3, 2/3, AND 3/3.
12. FOR DROP INLET DETAILS, REFER TO COA STD. DWGS. 2201, 2202, 2205, 2206, 2207, 2215, 2216, 2220, AND 2236.

0 20 40 FEET

SECTION VERTICAL SCALE: 1"=20'

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357
WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

STRUCTURE PLACEMENT SECTIONS

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 10-1 OF

DESIGNED BY:

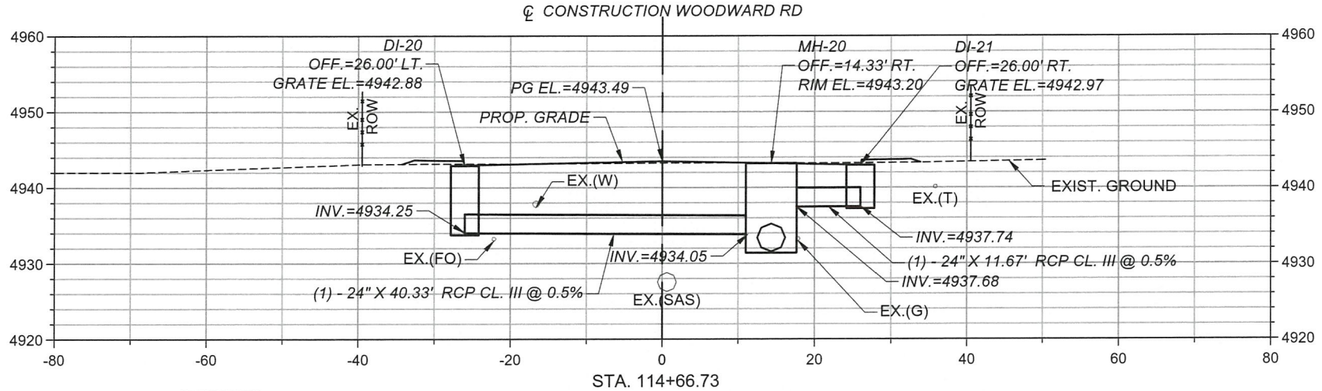
DRAWING SCALE:

NMDOT CN: A300161

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER 7.24.19

Plans approved by Development Review Committee subject to conditions noted by Engineer. 7.24.19

60572657.C:\Users\USA567134\1\appdata\local\temp\AcPublish_5344\A300161_SP01.dwg PLOTTED: 7/24/19 - 10:16am USA567134

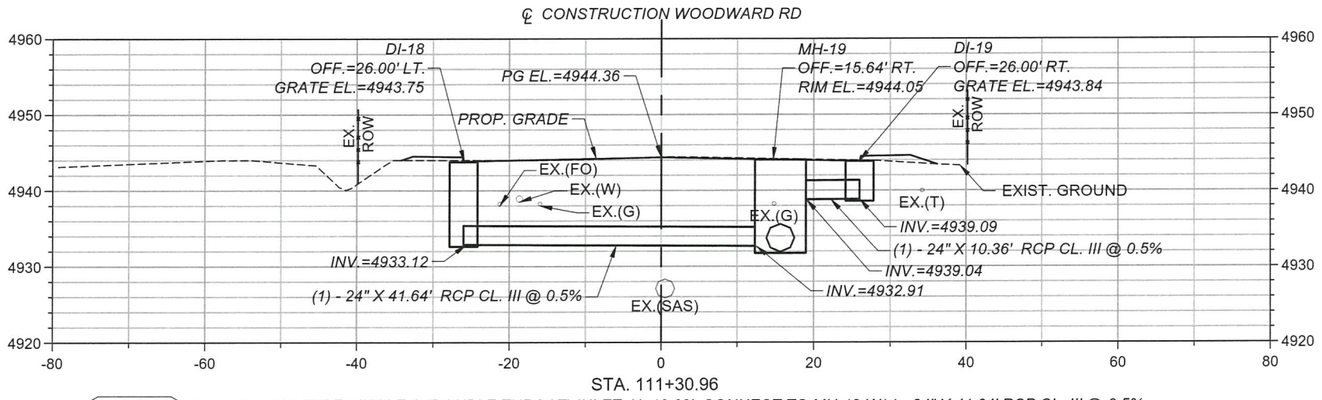


STA. 114+66.73

DI-20 BUILD 1 - COA TYPE SINGLE A INLET, H=8.63', CONNECT TO MH-20 W/ 1-24" X 40.33' RCP CL. III @ 0.5%

DI-21 BUILD 1 - COA TYPE SINGLE A INLET, H=5.23', CONNECT TO MH-20 W/ 1-24" X 11.67' RCP CL. III @ 0.5%

MH-20 BUILD 1 - 6' DIA. MANHOLE TYPE E, H=11.32'



STA. 111+30.96

DI-18 BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=10.63'; CONNECT TO MH-19 W/ 1 - 24" X 41.64' RCP CL. III @ 0.5%

DI-19 BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.75'; CONNECT TO MH-19 W/ 1 - 24" X 10.36' RCP CL. III @ 0.5%

MH-19 BUILD 1 - 6' DIA. MANHOLE TYPE E, H=11.81'

NOTES

1. STRUCTURE PLACEMENT SECTIONS ARE SHOWN ALONG THE CENTERLINE OF THE STORM DRAIN CULVERT PIPE.
2. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS, OFFSETS, AND ELEVATIONS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
4. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
5. WHEN CONNECTING TO EXISTING STORM DRAINS, REMOVE AND REPLACE 4 FEET OF EXISTING PIPE (INCIDENTAL TO THE CONSTRUCTION OF RCP CL. III).
6. ELEVATIONS OF UTILITIES ARE UNKNOWN, WITH THE EXCEPTION OF SAS.
7. USE TYPE C MANHOLES FOR HEIGHTS LESS THAN 6'. USE TYPE C OR E MANHOLES FOR HEIGHTS GREATER THAN 6'.
8. SDCP = STORM DRAIN CULVERT PIPE
   RCP = REINFORCED CONCRETE PIPE
9. REFER TO SHEETS 3-9 TO 3-16 FOR STORM DRAIN TRUNK LINE PLAN AND PROFILE.
10. RCP CL. III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP), REFER TO NMDOT STD. DWGS. 206-01-1/1, 206-02-1/1, 203-03-1/1, 206-04-1/3, 206-05-1/1, 206-06-1/1, 206-07-1/1, AND 206-10-1/1.
11. FOR MANHOLE DETAILS, REFER TO NMDOT STD. DWGS. 662-01-1/3, 2/3, AND 3/3.
12. FOR DROP INLET DETAILS, REFER TO COA STD. DWGS. 2201, 2202, 2205, 2206, 2207, 2215, 2216, 2220, AND 2236.

0 20 40 FEET

SECTION VERTICAL SCALE: 1"=20'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

STRUCTURE PLACEMENT SECTIONS

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER

Plans approved by Development Review Committee
Engineer, 7-24-19

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

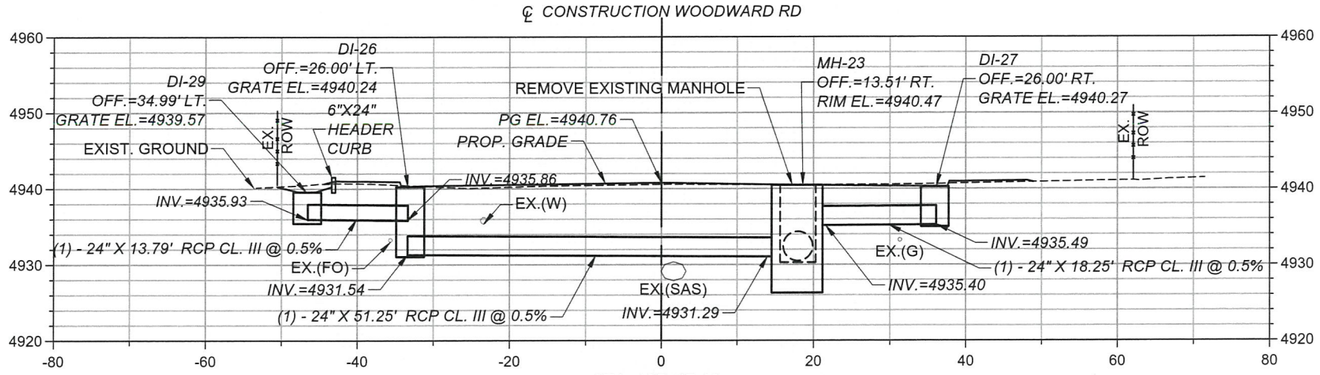
SHEET 10-2 OF

DESIGNED BY:

DRAWING SCALE:

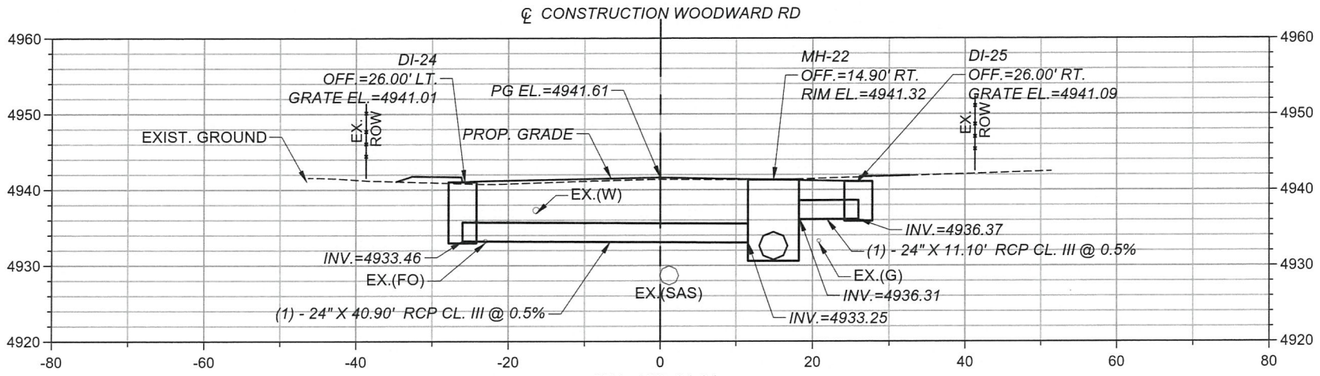
NMDOT CN: A300161

60572657. C:\Users\USA5671341\appdata\local\temp\VeePublish_5344\A300161_SP01.dwg PLOTTED: 7/24/19 - 10:16am USA5671341



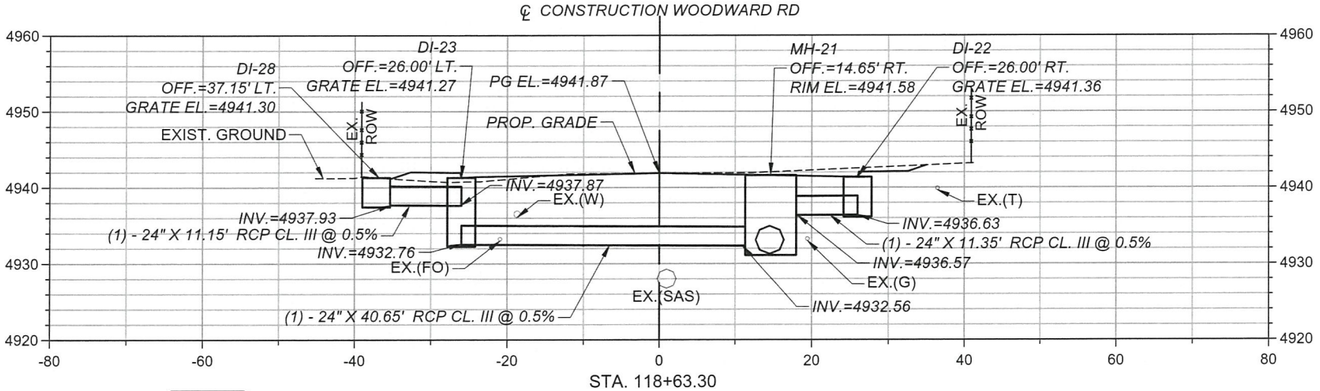
STA. 125+47.12

DI-29	BUILD 1 - COA TYPE SINGLE D INLET, H=3.64', CONNECT TO DI-26 W/ 1-24" X 13.79' RCP CL. III @ 0.5%
DI-26	BUILD 1 - COA TYPE SINGLE C INLET, H=8.70', CONNECT TO MH-23 W/ 1-24" X 51.25' RCP CL. III @ 0.5%
DI-27	BUILD 1 - COA TYPE SINGLE C INLET, H=4.78', CONNECT TO MH-23 W/ 1-24" X 18.25' RCP CL. III @ 0.5%
MH-23	BUILD 1 - 6' DIA. MODIFIED WATER QUALITY MANHOLE TYPE E, H=13.68', SEE SHEET 2-32 FOR DETAILS CONNECT TO EXISTING 1- 36" RCP WEST (INV.=4930.90) AND SOUTHEAST (INV.=4930.79)



STA. 122+81.01

DI-24	BUILD 1 - COA TYPE SINGLE C INLET, H=7.55', CONNECT TO MH-22 W/ 1-24" X 40.90' RCP CL. III @ 0.5%
DI-25	BUILD 1 - COA TYPE SINGLE C INLET, H=4.72', CONNECT TO MH-22 W/ 1-24" X 11.10' RCP CL. III @ 0.5%
MH-22	BUILD 1 - 6' DIA. MANHOLE TYPE E, H=10.23'



STA. 118+63.30

DI-28	BUILD 1 - COA TYPE SINGLE D INLET, H=3.37', CONNECT TO DI-23 W/ 1 - 24" X 11.15' RCP CL. III @ 0.5%
DI-23	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=8.51', CONNECT TO MH-21 W/ 1-24" X 40.65' RCP CL. III @ 0.5%
DI-22	BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.72', CONNECT TO MH-21 W/ 1-24" X 11.35' RCP CL. III @ 0.5%
MH-21	BUILD 1 - 6' DIA. MANHOLE TYPE E, H=9.99'

NOTES

1. STRUCTURE PLACEMENT SECTIONS ARE SHOWN ALONG THE CENTERLINE OF THE STORM DRAIN CULVERT PIPE.
2. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS, OFFSETS, AND ELEVATIONS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
4. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
5. WHEN CONNECTING TO EXISTING STORM DRAINS, REMOVE AND REPLACE 4 FEET OF EXISTING PIPE (INCIDENTAL TO THE CONSTRUCTION OF RCP CL. III).
6. ELEVATIONS OF UTILITIES ARE UNKNOWN, WITH THE EXCEPTION OF SAS.
7. USE TYPE C MANHOLES FOR HEIGHTS LESS THAN 6'. USE TYPE C OR E MANHOLES FOR HEIGHTS GREATER THAN 6'.
8. SDCP = STORM DRAIN CULVERT PIPE
   RCP = REINFORCED CONCRETE PIPE
9. REFER TO SHEETS 3-9 TO 3-16 FOR STORM DRAIN TRUNK LINE PLAN AND PROFILE.
10. RCP CL. III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP), REFER TO NMDOT STD. DWGS. 206-01-1/1, 206-02-1/1, 203-03-1/1, 206-04-1/3, 206-05-1/1, 206-06-1/1, 206-07-1/1, AND 206-10-1/1.
11. FOR MANHOLE DETAILS, REFER TO NMDOT STD. DWGS. 662-01-1/3, 2/3, AND 3/3.
12. FOR DROP INLET DETAILS, REFER TO COA STD. DWGS. 2201, 2202, 2205, 2206, 2207, 2215, 2216, 2220, AND 2236.

0 20 40 FEET

SECTION VERTICAL SCALE: 1"=20'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357
WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

STRUCTURE PLACEMENT SECTIONS

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7-24-19

Plans approved by Design Review Committee subject to comments
Engineer, [illegible] 7/24/2019

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

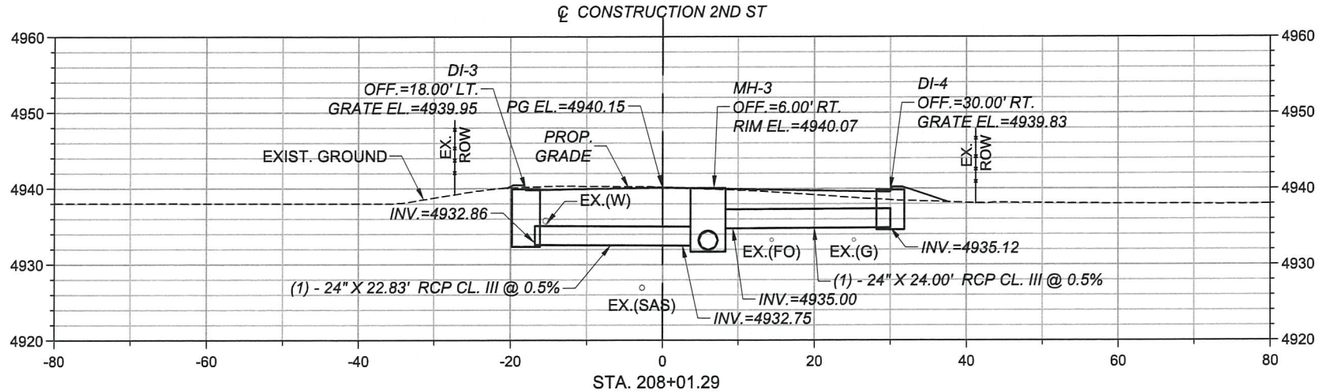
SHEET 10-3 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657.C:\Users\USA567134\1\appdata\local\temp\AcPublish_5344\A300161_SP01.dwg PLOTTED: 7/24/19 - 10:16am USA567134

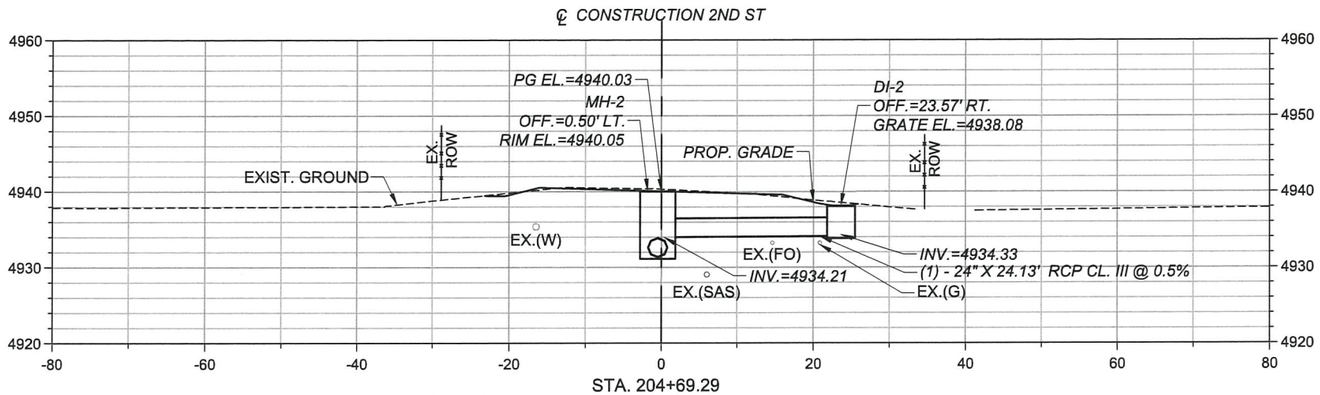


STA. 208+01.29

DI-3 BUILD 1 - COA TYPE SINGLE A INLET, H=7.09', CONNECT TO MH-3 W/ 1-24" X 22.83' RCP CL. III @ 0.5%

DI-4 BUILD 1 - COA TYPE SINGLE A INLET, H=4.71', CONNECT TO MH-3 W/ 1-24" X 24.00' RCP CL. III @ 0.5%

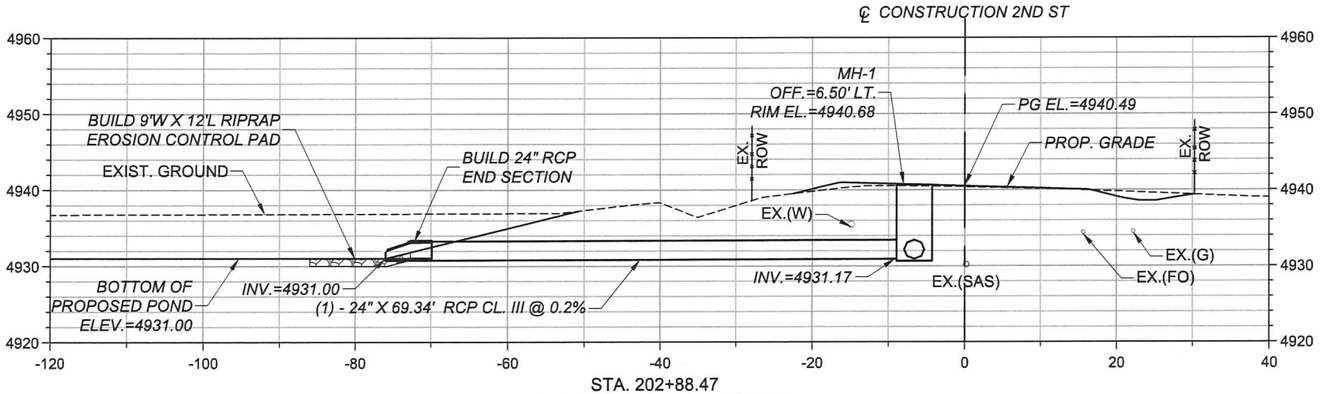
MH-3 BUILD 1 - 4' DIA. MANHOLE TYPE E, H=7.88'



STA. 204+69.29

DI-2 BUILD 1 - COA TYPE SINGLE D INLET, H=3.75', CONNECT TO MH-2 W/ 1-24" X 24.13' RCP CL. III @ 0.5%

MH-2 BUILD 1 - 4' DIA. MANHOLE TYPE E, H=8.44'



STA. 202+88.47

BUILD PROPOSED 2ND ST POND

MH-1 BUILD 1 - 4' DIA. MANHOLE TYPE E, H=9.51', CONNECT TO 2ND ST POND W/ 1-24" X 69.34' RCP CL. III @ 0.2%

BUILD 24" RCP END SECTION AT OUTLET LT.

BUILD 9'W X 12'L RIPRAP EROSION CONTROL PAD AT OUTLET LT. (NMDOT STD. DWG. 602-02-1/1)

NOTES

1. STRUCTURE PLACEMENT SECTIONS ARE SHOWN ALONG THE CENTERLINE OF THE STORM DRAIN CULVERT PIPE.
2. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS, OFFSETS, AND ELEVATIONS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
4. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
5. WHEN CONNECTING TO EXISTING STORM DRAINS, REMOVE AND REPLACE 4 FEET OF EXISTING PIPE (INCIDENTAL TO THE CONSTRUCTION OF RCP CL. III).
6. ELEVATIONS OF UTILITIES ARE UNKNOWN, WITH THE EXCEPTION OF SAS.
7. USE TYPE C MANHOLES FOR HEIGHTS LESS THAN 6'. USE TYPE C OR E MANHOLES FOR HEIGHTS GREATER THAN 6'.
8. SDCP = STORM DRAIN CULVERT PIPE
   RCP = REINFORCED CONCRETE PIPE
9. REFER TO SHEETS 3-9 TO 3-16 FOR STORM DRAIN TRUNK LINE PLAN AND PROFILE.
10. RCP CL. III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP), REFER TO NMDOT STD. DWGS. 206-01-1/1, 206-02-1/1, 203-03-1/1, 206-04-1/3, 206-05-1/1, 206-06-1/1, 206-07-1/1, AND 206-10-1/1.
11. FOR MANHOLE DETAILS, REFER TO NMDOT STD. DWGS. 662-01-1/3, 2/3, AND 3/3.
12. FOR DROP INLET DETAILS, REFER TO COA STD. DWGS. 2201, 2202, 2205, 2206, 2207, 2215, 2216, 2220, AND 2236.

0 20 40 FEET

SECTION VERTICAL SCALE: 1"=20'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

FARSHAD H. OMIDVARAN
NEW MEXICO
10720
REGISTERED PROFESSIONAL ENGINEER
7.24.19

Plans approved by Design Review Committee, Albuquerque, City Engineer, [illegible] 7/24/19

2ND ST IMPROVEMENTS

STRUCTURE PLACEMENT SECTIONS

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

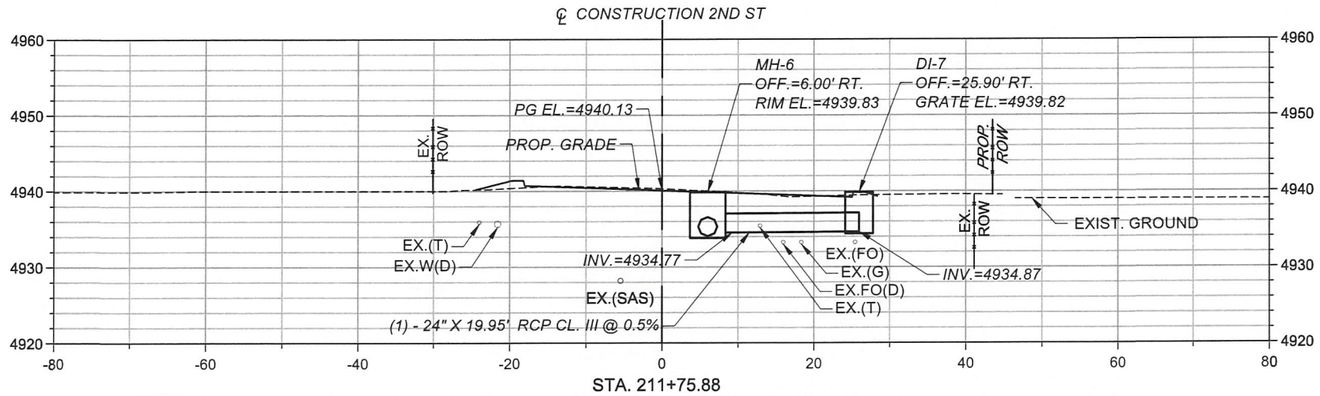
SHEET 10-4 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

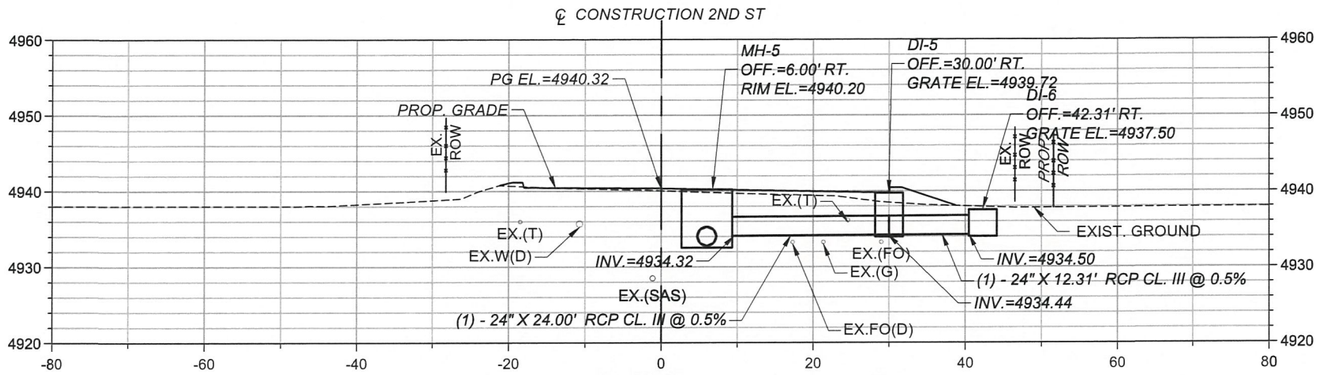
60572657 C:\pwworking\secom_ds16_nt\nt12259\d011649\A300161_SP01.dwg PLOTTED: 7/24/19 - 3:57pm USA5671341



STA. 211+75.88

DI-7 BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=4.50', CONNECT TO MH-6 W/ 1-24" X 19.95' RCP CL. III @ 0.5%

MH-6 BUILD 1 - 4' DIA. MANHOLE TYPE C, H=5.52'

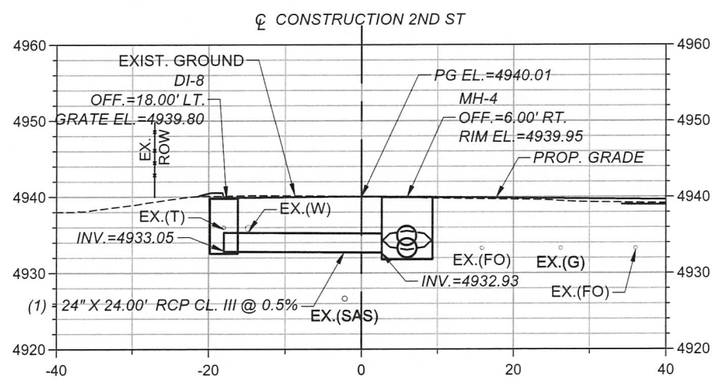


STA. 209+79.26

DI-5 BUILD 1 - COA TYPE SINGLE A INLET, H=5.28', CONNECT TO MH-5 W/ 1-24" X 24.00' RCP CL. III @ 0.5%

DI-6 BUILD 1 - COA TYPE SINGLE D INLET, H=3.00', CONNECT TO DI-5 W/ 1-24" X 12.31' RCP CL. III @ 0.5%

MH-5 BUILD 1 - 6' DIA. MANHOLE TYPE E, H=7.17'



STA. 208+61.35

DI-8 BUILD 1 - COA TYPE SINGLE A (DOUBLE THROAT) INLET, H=6.76'; CONNECT TO MH-4 W/ 1 - 24" X 24.00' RCP CL. III @ 0.5%

MH-4 BUILD 1 - 6' DIA. MANHOLE TYPE E, H=7.66'

NOTES

1. STRUCTURE PLACEMENT SECTIONS ARE SHOWN ALONG THE CENTERLINE OF THE STORM DRAIN CULVERT PIPE.
2. STATIONS AND OFFSETS PROVIDED REFER TO WOODWARD RD CL CONSTRUCTION OR 2ND ST CL CONSTRUCTION.
3. STATIONS, OFFSETS, AND ELEVATIONS FOR CURB INLETS ARE GIVEN TO THE NORMAL FLOW LINE OF GUTTER UNLESS OTHERWISE NOTED. STATIONS, OFFSETS, AND ELEVATIONS FOR TYPE D INLETS ARE GIVEN TO CENTER OF GRATE.
4. PIPE LENGTH, SLOPE, AND INLET AND MANHOLE H (HEIGHT) ARE COMPUTED TO CENTERLINE OF STRUCTURE.
5. WHEN CONNECTING TO EXISTING STORM DRAINS, REMOVE AND REPLACE 4 FEET OF EXISTING PIPE (INCIDENTAL TO THE CONSTRUCTION OF RCP CL. III).
6. ELEVATIONS OF UTILITIES ARE UNKNOWN, WITH THE EXCEPTION OF SAS.
7. USE TYPE C MANHOLES FOR HEIGHTS LESS THAN 6'. USE TYPE C OR E MANHOLES FOR HEIGHTS GREATER THAN 6'.
8. SDCP = STORM DRAIN CULVERT PIPE
   RCP = REINFORCED CONCRETE PIPE
9. REFER TO SHEETS 3-9 TO 3-16 FOR STORM DRAIN TRUNK LINE PLAN AND PROFILE.
10. RCP CL. III SHALL BE PAID FOR AS STORM DRAIN CULVERT PIPE (SDCP), REFER TO NMDOT STD. DWGS. 206-01-1/1, 206-02-1/1, 203-03-1/1, 206-04-1/3, 206-05-1/1, 206-06-1/1, 206-07-1/1, AND 206-10-1/1.
11. FOR MANHOLE DETAILS, REFER TO NMDOT STD. DWGS. 662-01-1/3, 2/3, AND 3/3.
12. FOR DROP INLET DETAILS, REFER TO COA STD. DWGS. 2201, 2202, 2205, 2206, 2207, 2215, 2216, 2220, AND 2236.

0 20 40 FEET

SECTION VERTICAL SCALE: 1"=20'

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

WSP USA
6100 UPTOWN BLVD. NE
ALBUQUERQUE, NM 87110
(505) 881-5357

WSP PROJECT NO.: 33707-3

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

2ND ST IMPROVEMENTS

STRUCTURE PLACEMENT SECTIONS

BC PN: TS.2015.WOODWD
ZONE ATLAS: M-14, M-15

SHEET 10-5 OF

DESIGNED BY:

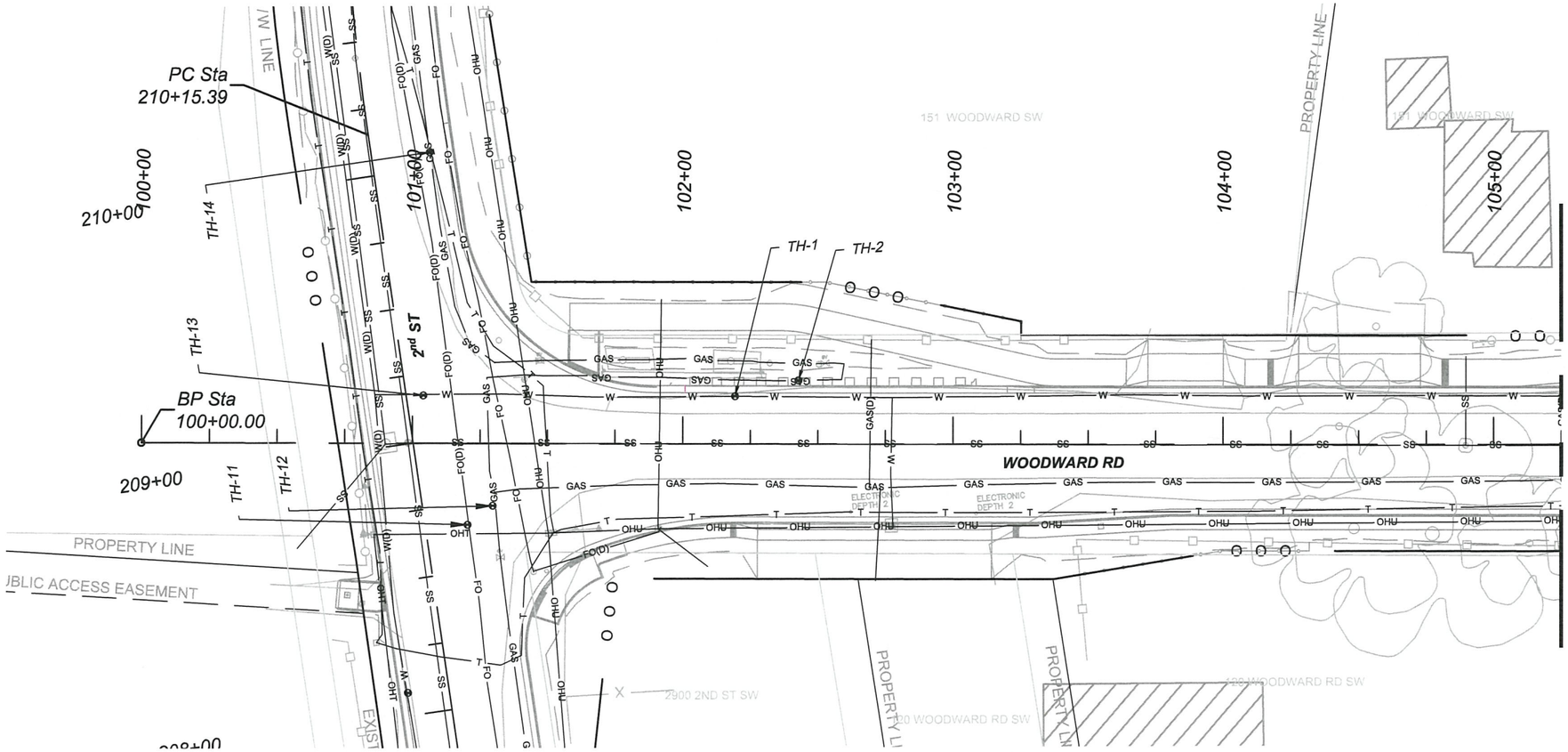
DRAWING SCALE:

NMDOT CN: A300161

FARSHAD H. OMIDVARAN NEW MEXICO 10720 REGISTERED PROFESSIONAL ENGINEER 7-24-19

Plans approved by Development Review Committee
Engineer, [illegible]

60572857 C:\Users\USA5671341\appdata\local\temp\Acl-Publish_5344\A300161_SP01.dwg PLOTTED: 7/24/19 - 10:16am USA5671341



UTILITY NOTES

1. *SEE GENERAL NOTES FOR UTILITY COORDINATION, UTILITY DISCLAIMER AND CONTRACTOR RESPONSIBILITY INFORMATION.*
2. *UTILITY PLANS PREPARED WITH SUBSURFACE UTILITY ENGINEERING INFORMATION PROVIDED BY COBB-FENDLY & ASSOCIATES, INC. 505-0508-0786*
3. *QUALITY LEVEL DESIGNATION AS DEFINED BY CI/ASCE 38-02 STANDARD GUIDELINES FOR COLLECTION AND DEPICTION EXISTING SUBSURFACE UTILITY DATA.*

LINETYPES

Quality Level B	Quality Level C/D	Utility:
	OHT	OVERHEAD TELEPHONE - Century Link
T	T(D)	TELEPHONE - Century Link
CTV	CTV(D)	CABLE TV - Comcast
	OHE	OVERHEAD ELECTRIC - PNM
E	E(D)	ELECTRIC - PNM / NMDOT / COA TRAFFIC
	OHU	OVERHEAD UTILITY - PNM / Century Link / Comcast / LEVEL 3 / ZAYO / MCI - VERIZON
FO	FO(D)	FIBER OPTIC - MCI - Verizon / Century Link / Zayo / Level 3
GAS	GAS(D)	NATURAL GAS - New Mexico Gas
UNK		UNKNOWN UTILITY - Unknown
W	W(D)	WATER - ABCWUA
SS	SS(D)	SANITARY SEWER - ABCWUA
SFM	SFM(D)	FORCE MAIN - ABCWUA
	SD(D)	STORM SEWER - ABCWUA / NMDOT

NOTE - PIPE SIZES WITH ASTERISK (*) BASED UPON ABCWUA RECORD DRAWINGS

TH-	STA/OFF	UTILITY	DEPTH
1	102+19.30, 17.71' LT	10" WATER	4.2'
2	102+42.77, 23.57' LT	0.5' STEEL GAS	5.17'

**SEE SHEET 11-7 FOR 2nd STREET LOCATIONS*

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee and Albuquerque City Engineer Sept 25 2019

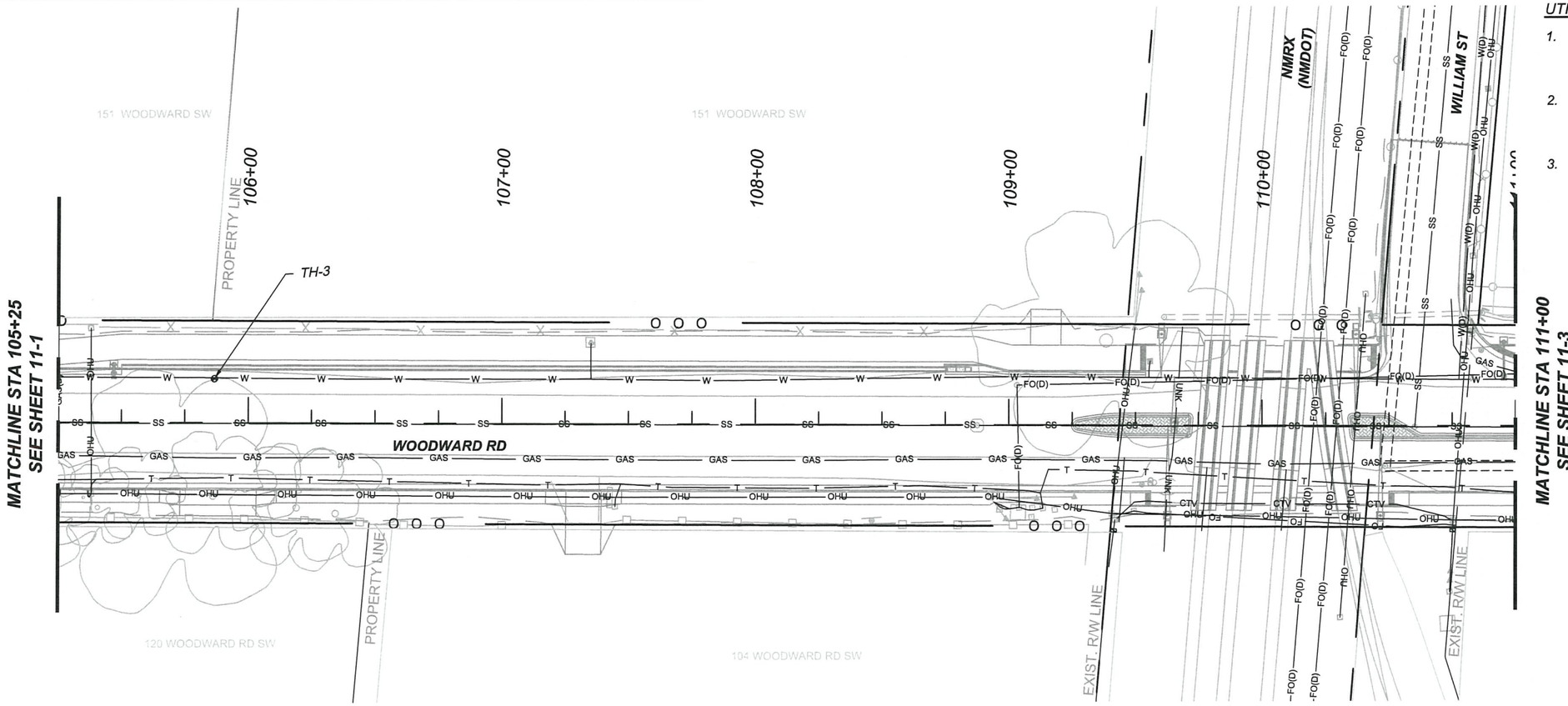
WOODWARD ROAD IMPROVEMENTS
UTILITY PLANS
STA 100+00 TO STA 105+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 11-1 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_ns\jordan.thompson30\aecom.com\d0118057\A300161_11-1 Plan.dwg PLOTTED: 7/24/19 - 3:08pm Jordan.Thompson11



UTILITY NOTES

1. *SEE GENERAL NOTES FOR UTILITY COORDINATION, UTILITY DISCLAIMER AND CONTRACTOR RESPONSIBILITY INFORMATION.*
2. *UTILITY PLANS PREPARED WITH SUBSURFACE UTILITY ENGINEERING INFORMATION PROVIDED BY COBB-FENDLY & ASSOCIATES, INC. 505-0508-0786*
3. *QUALITY LEVEL DESIGNATION AS DEFINED BY CI/ASCE 38-02 STANDARD GUIDELINES FOR COLLECTION AND DEPICTION EXISTING SUBSURFACE UTILITY DATA.*

LINETYPES

Quality Level B	Quality Level C/D	Utility:
	OHT	OVERHEAD TELEPHONE - Century Link
T	T(D)	TELEPHONE - Century Link
CTV	CTV(D)	CABLE TV - Comcast
	OHE	OVERHEAD ELECTRIC - PNM
E	E(D)	ELECTRIC - PNM / NMDOT / COA TRAFFIC
	OHU	OVERHEAD UTILITY - PNM / Century Link / Comcast / LEVEL 3 / ZAYO / MCI - VERIZON
FO	FO(D)	FIBER OPTIC - MCI - Verizon / Century Link / Zayo / Level 3
GAS	GAS(D)	NATURAL GAS - New Mexico Gas
UNK		UNKNOWN UTILITY - Unknown
W	W(D)	WATER - ABCWUA
SS	SS(D)	SANITARY SEWER - ABCWUA
SFM	SFM(D)	FORCE MAIN - ABCWUA
	SD(D)	STORM SEWER - ABCWUA / NMDOT

NOTE - PIPE SIZES WITH ASTERISK (*) BASED UPON ABCWUA RECORD DRAWINGS

TH-	STA/OFF	UTILITY	DEPTH
3	105+86.61, 17.45' LT	10" WATER	4.94'

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER

24 Jul 2019

Plans approved by Design Review Committee and Albuquerque City Engineer

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
UTILITY PLANS
STA 105+25 TO STA 111+00

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

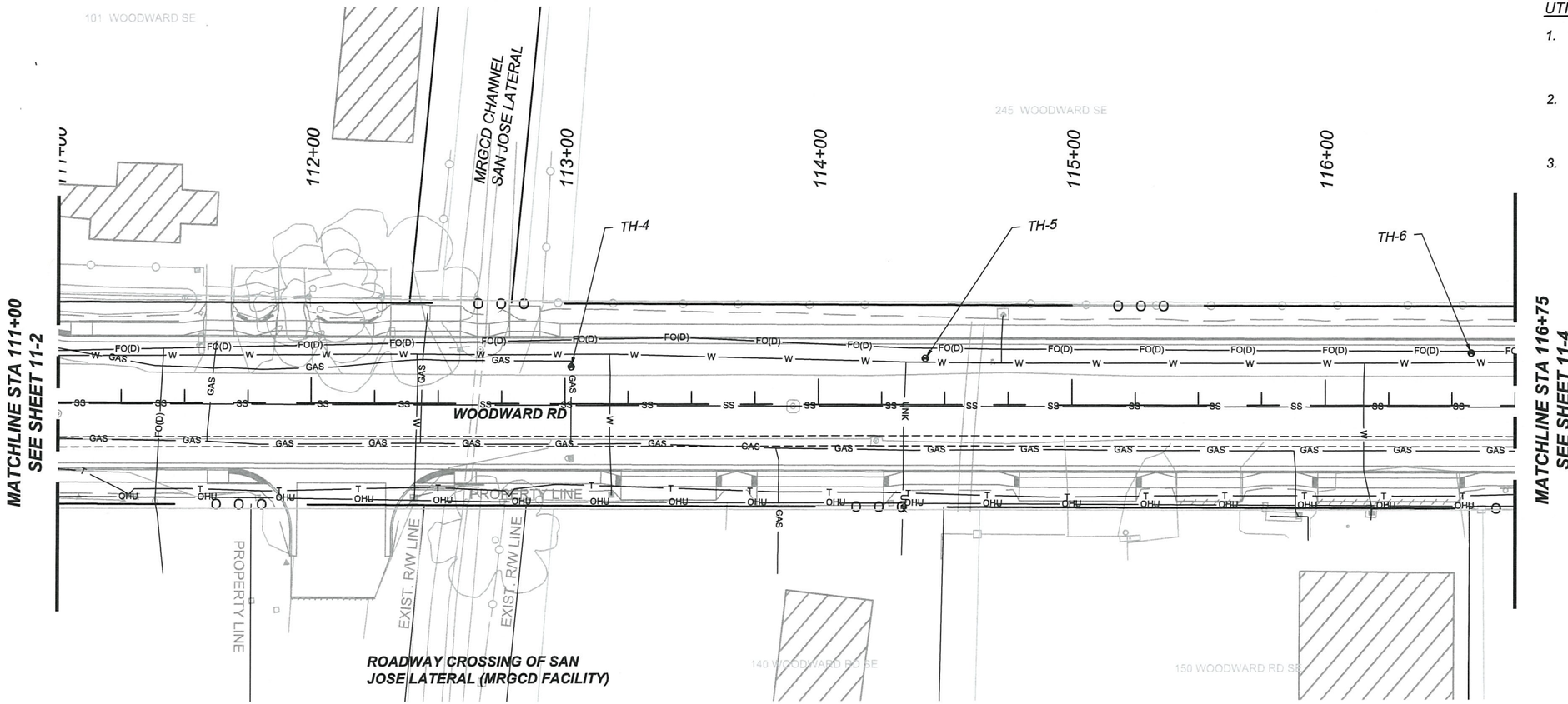
SHEET 11-2 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson3@aecom.com\d0118057\A300161_11-2 Plan.dwg PLOTTED: 7/24/19 - 3:08pm Jordan.Thompson11



UTILITY NOTES

1. *SEE GENERAL NOTES FOR UTILITY COORDINATION, UTILITY DISCLAIMER AND CONTRACTOR RESPONSIBILITY INFORMATION.*
2. *UTILITY PLANS PREPARED WITH SUBSURFACE UTILITY ENGINEERING INFORMATION PROVIDED BY COBB-FENDLY & ASSOCIATES, INC. 505-0508-0786*
3. *QUALITY LEVEL DESIGNATION AS DEFINED BY CI/ASCE 38-02 STANDARD GUIDELINES FOR COLLECTION AND DEPICTION EXISTING SUBSURFACE UTILITY DATA.*

LINETYPES

Quality Level B	Quality Level C/D	Utility:
	OHT	OVERHEAD TELEPHONE - Century Link
T	T(D)	TELEPHONE - Century Link
CTV	CTV(D)	CABLE TV - Comcast
	OHE	OVERHEAD ELECTRIC - PNM
E	E(D)	ELECTRIC - PNM / NMDOT / COA TRAFFIC
	OHU	OVERHEAD UTILITY - PNM / Century Link / Comcast / LEVEL 3 / ZAYO / MCI - VERIZON
FO	FO(D)	FIBER OPTIC - MCI - Verizon / Century Link / Zayo / Level 3
GAS	GAS(D)	NATURAL GAS - New Mexico Gas
UNK		UNKNOWN UTILITY - Unknown
W	W(D)	WATER - ABCWUA
SS	SS(D)	SANITARY SEWER - ABCWUA
SFM	SFM(D)	FORCE MAIN - ABCWUA
	SD(D)	STORM SEWER - ABCWUA / NMDOT

NOTE - PIPE SIZES WITH ASTERISK (*) BASED UPON ABCWUA RECORD DRAWINGS

TH-	STA/OFF	UTILITY	DEPTH
4	113+02.47, 14.67' LT	0.2' POLY GAS	2.63'
5	114+42.28, 18.38' LT	10" WATER	4.75'
6	116+57.65, 20.86' LT	10" WATER	4.25'

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Design Review Committee and Albuquerque City Engineer on Jul 24, 2020.

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

UTILITY PLANS

STA 111+00 TO STA 116+75

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

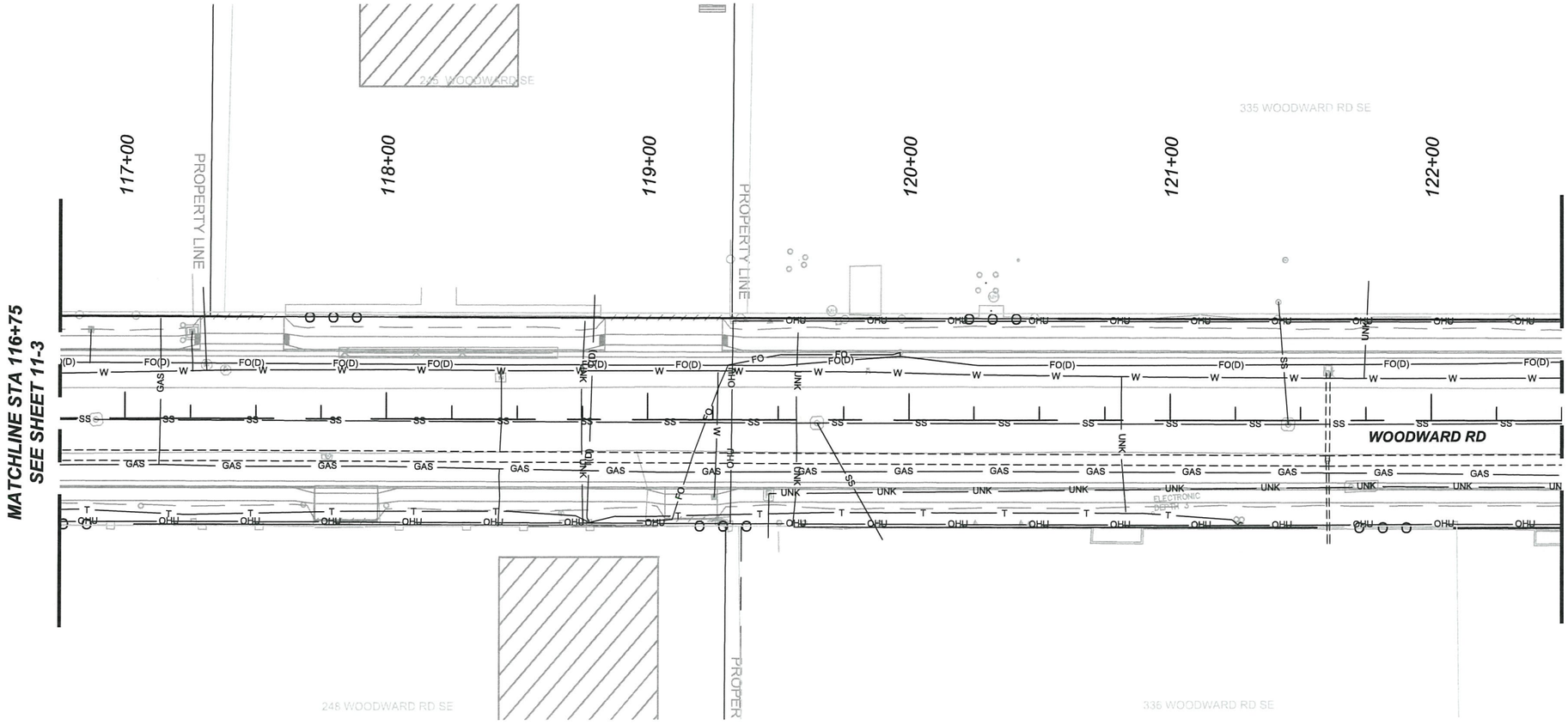
SHEET 11-3 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\ieworking\\aecom_ds16_ma\jordan.thompson3@aecom.com\d0118057\A300161_11-3 Plan.dwg PLOTTED: 7/24/19 - 3:08pm Jordan.Thompson11



UTILITY NOTES

1. SEE GENERAL NOTES FOR UTILITY COORDINATION, UTILITY DISCLAIMER AND CONTRACTOR RESPONSIBILITY INFORMATION.
2. UTILITY PLANS PREPARED WITH SUBSURFACE UTILITY ENGINEERING INFORMATION PROVIDED BY COBB-FENDLY & ASSOCIATES, INC. 505-0508-0786
3. QUALITY LEVEL DESIGNATION AS DEFINED BY CI/ASCE 38-02 STANDARD GUIDELINES FOR COLLECTION AND DEPICTION EXISTING SUBSURFACE UTILITY DATA.

LINETYPES

Quality Level B	Quality Level C/D	Utility:
	OHT	OVERHEAD TELEPHONE - Century Link
T	T(D)	TELEPHONE - Century Link
CTV	CTV(D)	CABLE TV - Comcast
	OHE	OVERHEAD ELECTRIC - PNM
E	E(D)	ELECTRIC - PNM / NMDOT / COA TRAFFIC
	OHU	OVERHEAD UTILITY - PNM / Century Link / Comcast / LEVEL 3 / ZAYO / MCI - VERIZON
FO	FO(D)	FIBER OPTIC - MCI - Verizon / Century Link / Zayo / Level 3
GAS	GAS(D)	NATURAL GAS - New Mexico Gas
UNK		UNKNOWN UTILITY - Unknown
W	W(D)	WATER - ABCWUA
SS	SS(D)	SANITARY SEWER - ABCWUA
SFM	SFM(D)	FORCE MAIN - ABCWUA
	SD(D)	STORM SEWER - ABCWUA / NMDOT

NOTE - PIPE SIZES WITH ASTERISK (*) BASED UPON ABCWUA RECORD DRAWINGS

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

CHRISTOPHER ROSOL
NEW MEXICO
17404
PROFESSIONAL ENGINEER
24 Jul 2019

Plans approved by Technical Review Committee and are due to expire one year from Jul. 24 2020.

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

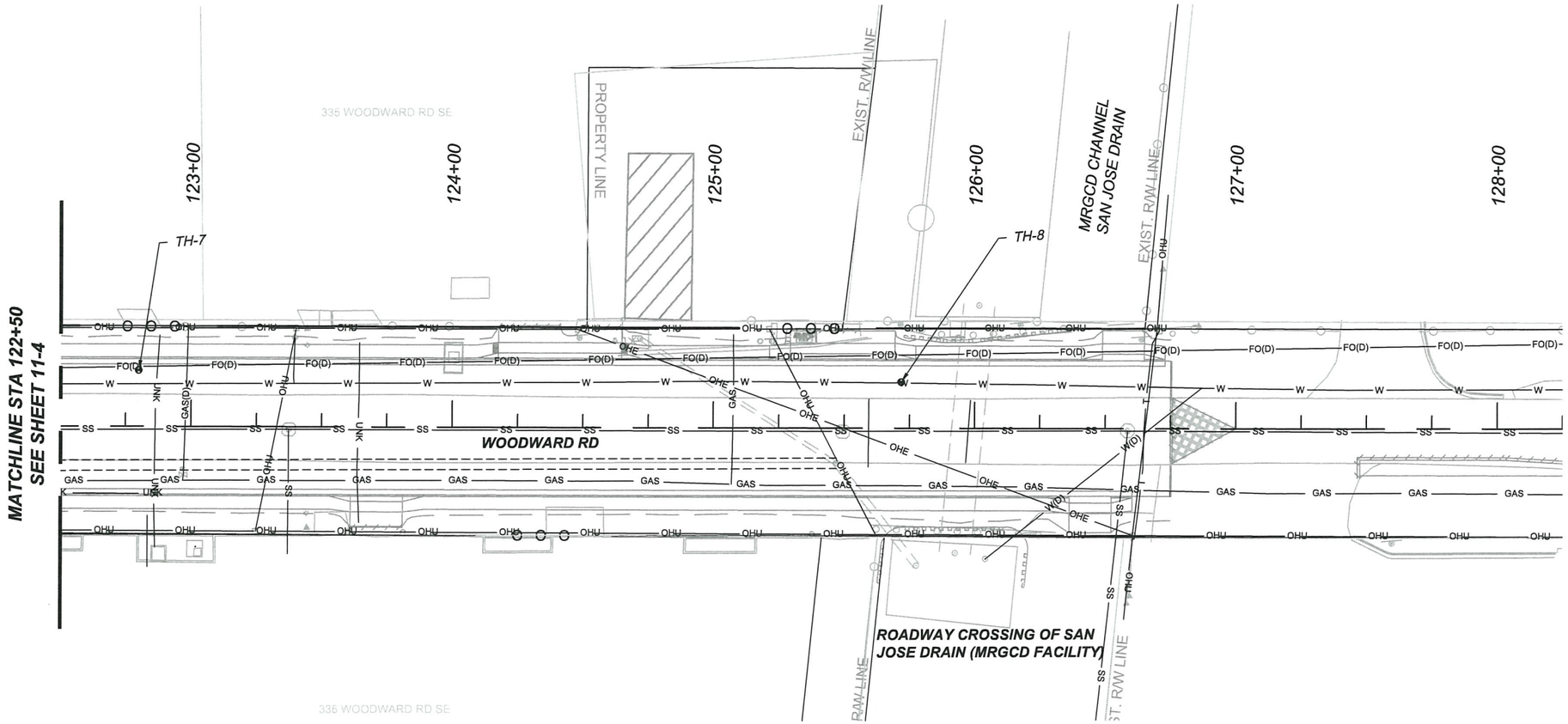
WOODWARD ROAD IMPROVEMENTS
UTILITY PLANS
STA 116+75 TO STA 122+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 11-4 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nm\jordan.thompson3@aecom.com\d0118057\A300161_11-4 Plan.dwg PLOTTED: 7/24/19 - 3:08pm Jordan.Thompson11



UTILITY NOTES

1. *SEE GENERAL NOTES FOR UTILITY COORDINATION, UTILITY DISCLAIMER AND CONTRACTOR RESPONSIBILITY INFORMATION.*
2. *UTILITY PLANS PREPARED WITH SUBSURFACE UTILITY ENGINEERING INFORMATION PROVIDED BY COBB-FENDLY & ASSOCIATES, INC. 505-0508-0786*
3. *QUALITY LEVEL DESIGNATION AS DEFINED BY CI/ASCE 38-02 STANDARD GUIDELINES FOR COLLECTION AND DEPICTION EXISTING SUBSURFACE UTILITY DATA.*

LINETYPES

Quality Level B	Quality Level C/D	Utility:
	OHT	OVERHEAD TELEPHONE - Century Link
T	T(D)	TELEPHONE - Century Link
CTV	CTV(D)	CABLE TV - Comcast
	OHE	OVERHEAD ELECTRIC - PNM
E	E(D)	ELECTRIC - PNM / NMDOT / COA TRAFFIC
	OHU	OVERHEAD UTILITY - PNM / Century Link / Comcast / LEVEL 3 / ZAYO / MCI - VERIZON
FO	FO(D)	FIBER OPTIC - MCI - Verizon / Century Link / Zayo / Level 3
GAS	GAS(D)	NATURAL GAS - New Mexico Gas
UNK		UNKNOWN UTILITY - Unknown
W	W(D)	WATER - ABCWUA
SS	SS(D)	SANITARY SEWER - ABCWUA
SFM	SFM(D)	FORCE MAIN - ABCWUA
	SD(D)	STORM SEWER - ABCWUA / NMDOT

NOTE - PIPE SIZES WITH ASTERISK (*) BASED UPON ABCWUA RECORD DRAWINGS

TH-	STA/OFF	UTILITY	DEPTH
7	122+79.99, 21.64' LT	10" WATER	3.21'
8	125+71.72, 17.77' LT	10" WATER	4.03'

N

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

CHRISTOPHER ROSOL
NEW MEXICO
17401
PROFESSIONAL ENGINEER

Plans approved by Design Review Committee and Albuquerque City Engineer on [illegible] 2020.

24 Jul 2019

AECOM
AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
UTILITY PLANS
STA 122+50 TO STA 128+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

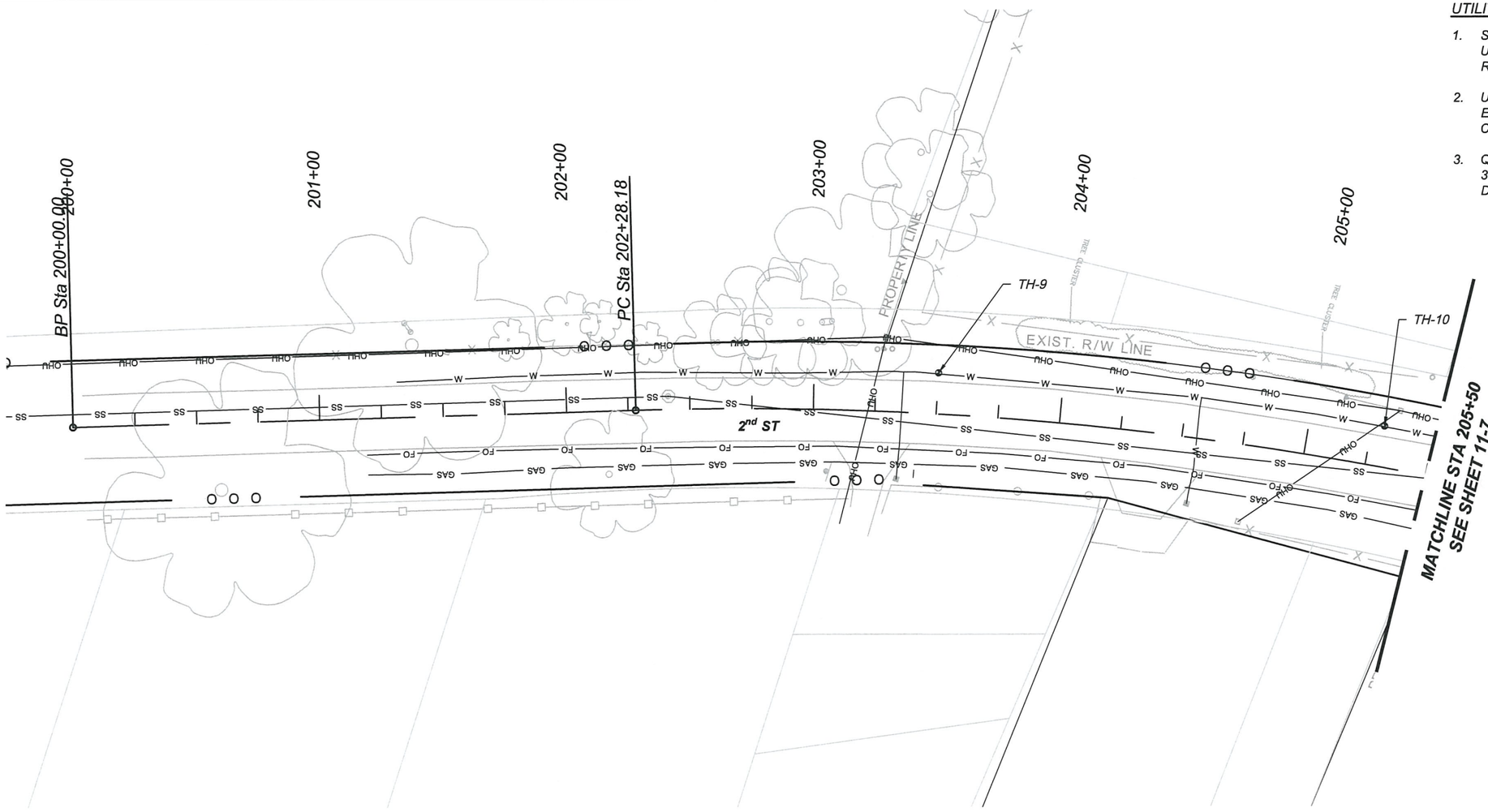
SHEET 11-5 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson3@aecom.com\d0118057\A300161_11-5 Plan.dwg PLOTTED: 7/24/19 - 3:08pm Jordan.Thompson11



UTILITY NOTES

1. SEE GENERAL NOTES FOR UTILITY COORDINATION, UTILITY DISCLAIMER AND CONTRACTOR RESPONSIBILITY INFORMATION.
2. UTILITY PLANS PREPARED WITH SUBSURFACE UTILITY ENGINEERING INFORMATION PROVIDED BY COBB-FENDLY & ASSOCIATES, INC. 505-0508-0786
3. QUALITY LEVEL DESIGNATION AS DEFINED BY CI/ASCE 38-02 STANDARD GUIDELINES FOR COLLECTION AND DEPICTION EXISTING SUBSURFACE UTILITY DATA.

LINETYPES

Quality Level B	Quality Level C/D	Utility:
	OHT	OVERHEAD TELEPHONE - Century Link
T	T(D)	TELEPHONE - Century Link
CTV	CTV(D)	CABLE TV - Comcast
	OHE	OVERHEAD ELECTRIC - PNM
E	E(D)	ELECTRIC - PNM / NMDOT / COA TRAFFIC
	OHU	OVERHEAD UTILITY - PNM / Century Link / Comcast / LEVEL 3 / ZAYO / MCI - VERIZON
FO	FO(D)	FIBER OPTIC - MCI - Verizon / Century Link / Zayo / Level 3
GAS	GAS(D)	NATURAL GAS - New Mexico Gas
UNK		UNKNOWN UTILITY - Unknown
W	W(D)	WATER - ABCWUA
SS	SS(D)	SANITARY SEWER - ABCWUA
SFM	SFM(D)	FORCE MAIN - ABCWUA
	SD(D)	STORM SEWER - ABCWUA / NMDOT

NOTE - PIPE SIZES WITH ASTERISK (*) BASED UPON ABCWUA RECORD DRAWINGS

TH-	STA/OFF	UTILITY	DEPTH
9	203+50.05, 16.76' LT	12" WATER	4.22'
10	205+29.97, 16.67' LT	1.2' WATER	4.45'

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

Plans Approved by Development Review Committee Albuquerque City Engineer Sept. 22, 2020.

24 Jul 2019

0 50 100 FEET

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
UTILITY PLANS
STA 200+00 TO STA 205+50

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

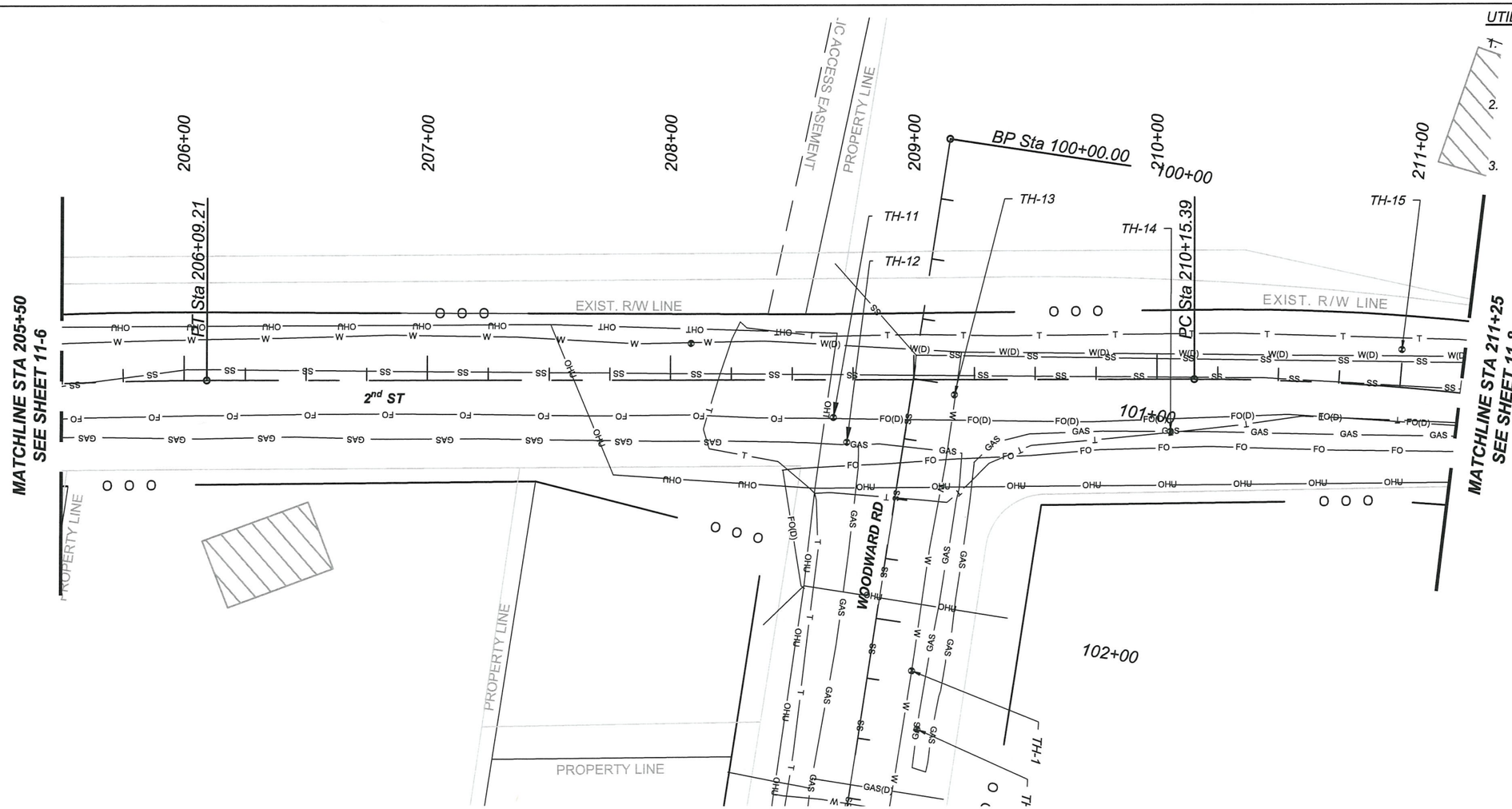
SHEET 11-6 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_ou\jordan.thompson39@aecom.com\d0118057\A300161_11-6 Plan.dwg PLOTTED: 7/24/19 - 3:09pm Jordan.Thompson11

UTILITY NOTES

1. SEE GENERAL NOTES FOR UTILITY COORDINATION, UTILITY DISCLAIMER AND CONTRACTOR RESPONSIBILITY INFORMATION.
2. UTILITY PLANS PREPARED WITH SUBSURFACE UTILITY ENGINEERING INFORMATION PROVIDED BY COBB-FENDLY & ASSOCIATES, INC. 505-0508-0786
3. QUALITY LEVEL DESIGNATION AS DEFINED BY CI/ASCE 38-02 STANDARD GUIDELINES FOR COLLECTION AND DEPICTION EXISTING SUBSURFACE UTILITY DATA.



LINETYPES

Quality Level B	Quality Level C/D	Utility:
	OHT	OVERHEAD TELEPHONE - Century Link
T	T(D)	TELEPHONE - Century Link
CTV	CTV(D)	CABLE TV - Comcast
	OHE	OVERHEAD ELECTRIC - PNM
E	E(D)	ELECTRIC - PNM / NMDOT / COA TRAFFIC
	OHU	OVERHEAD UTILITY - PNM / Century Link / Comcast / LEVEL 3 / ZAYO / MCI - VERIZON
FO	FO(D)	FIBER OPTIC - MCI - Verizon / Century Link / Zayo / Level 3
GAS	GAS(D)	NATURAL GAS - New Mexico Gas
UNK		UNKNOWN UTILITY - Unknown
W	W(D)	WATER - ABCWUA
SS	SS(D)	SANITARY SEWER - ABCWUA
SFM	SFM(D)	FORCE MAIN - ABCWUA
	SD(D)	STORM SEWER - ABCWUA / NMDOT

NOTE - PIPE SIZES WITH ASTERISK (*) BASED UPON ABCWUA RECORD DRAWINGS

TH-	STA/OFF	UTILITY	DEPTH
11	208+67.00, 15.53' RT	1.50' CONCRETE INCASED CONDUIT FIBER OPTIC	3.55'
12	208+72.58, 25.76' RT	0.67' STEEL GAS	3.24'
13	209+16.87, 6.27' RT	10" WATER	3.85'
14	210+05.62, 21.56' RT	0.67' STEEL GAS	4.67'
15	210+99.58, 15.65' LT	10" WATER	4.30'

*SEE SHEET 11-1 FOR WOODWARD ROAD LOCATIONS

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
UTILITY PLANS
STA 205+50 TO STA 211+25

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 11-7 OF

DESIGNED BY:

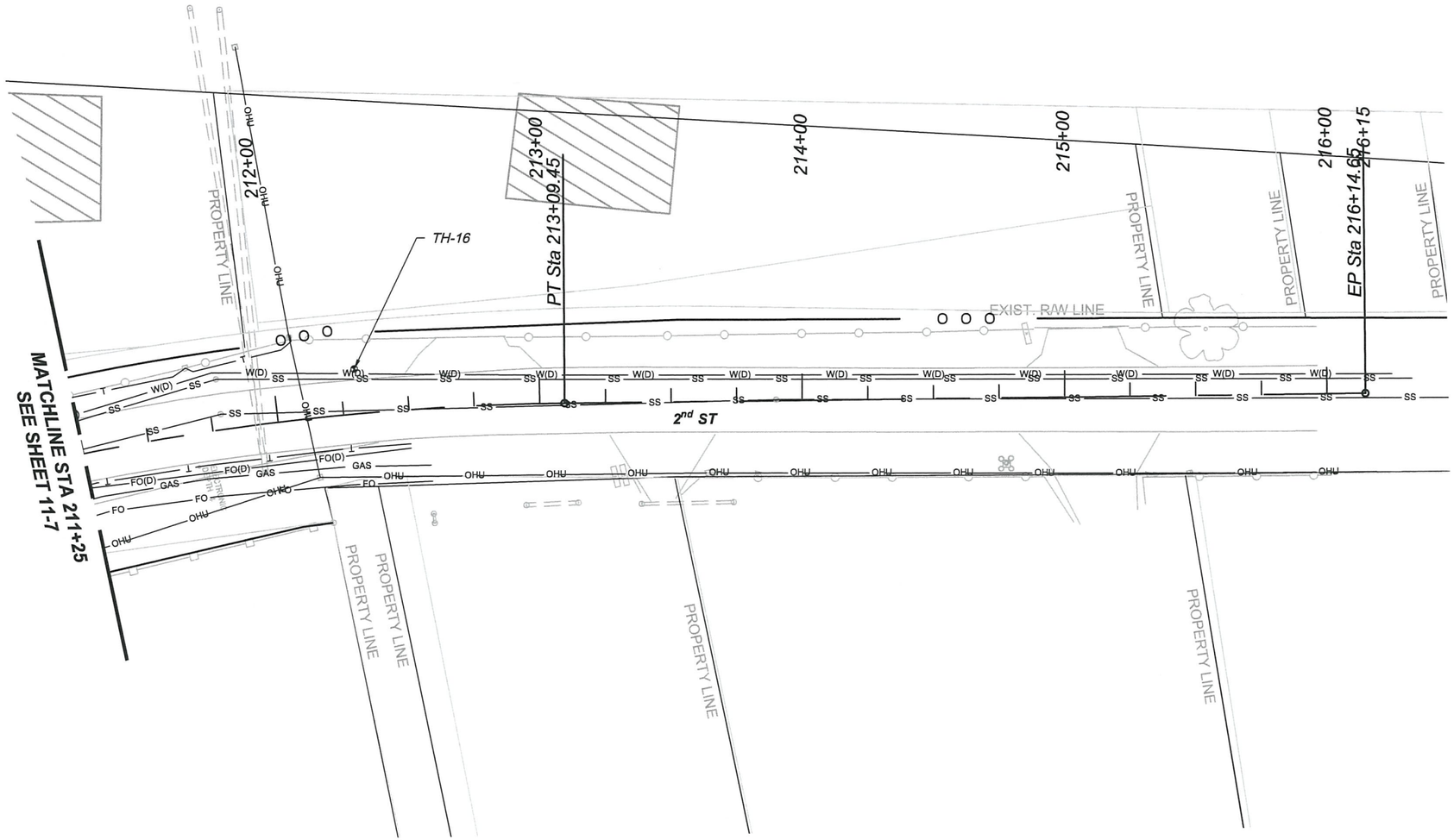
DRAWING SCALE:

NMDOT CN: A300161

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER 24 Sep 2019

Plans Approved by Design Review Committee of Albuquerque City Engineer on Sept. 24, 2019

60572657 C:\pwworking\aecom_ds16_na\jordan.thompson30@aecom.com\d0118057\A300161_11-7 Plan.dwg PLOTTED: 7/24/19 - 3:09pm Jordan.Thompson11



UTILITY NOTES

1. SEE GENERAL NOTES FOR UTILITY COORDINATION, UTILITY DISCLAIMER AND CONTRACTOR RESPONSIBILITY INFORMATION.
2. UTILITY PLANS PREPARED WITH SUBSURFACE UTILITY ENGINEERING INFORMATION PROVIDED BY COBB-FENDLY & ASSOCIATES, INC. 505-0508-0786
3. QUALITY LEVEL DESIGNATION AS DEFINED BY CI/ASCE 38-02 STANDARD GUIDELINES FOR COLLECTION AND DEPICTION EXISTING SUBSURFACE UTILITY DATA.

LINETYPES

Quality Level B	Quality Level C/D	Utility:
	OHT	OVERHEAD TELEPHONE - Century Link
T	T(D)	TELEPHONE - Century Link
CTV	CTV(D)	CABLE TV - Comcast
	OHE	OVERHEAD ELECTRIC - PNM
E	E(D)	ELECTRIC - PNM / NMDOT / COA TRAFFIC
	OHU	OVERHEAD UTILITY - PNM / Century Link / Comcast / LEVEL 3 / ZAYO / MCI - VERIZON
FO	FO(D)	FIBER OPTIC - MCI - Verizon / Century Link / Zayo / Level 3
GAS	GAS(D)	NATURAL GAS - New Mexico Gas
UNK		UNKNOWN UTILITY - Unknown
W	W(D)	WATER - ABCWUA
SS	SS(D)	SANITARY SEWER - ABCWUA
SFM	SFM(D)	FORCE MAIN - ABCWUA
	SD(D)	STORM SEWER - ABCWUA / NMDOT

NOTE - PIPE SIZES WITH ASTERISK (*) BASED UPON ABCWUA RECORD DRAWINGS

TH-	STA/OFF	UTILITY	DEPTH
16	212+30.53, 17.19' LT	10" WATER	4.37'

0 50 100 FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

CHRISTOPHER ROSOL NEW MEXICO 17401 PROFESSIONAL ENGINEER

Plans approved by Design Review Committee of the Albuquerque Engineering Commission

24 Jul 2019

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

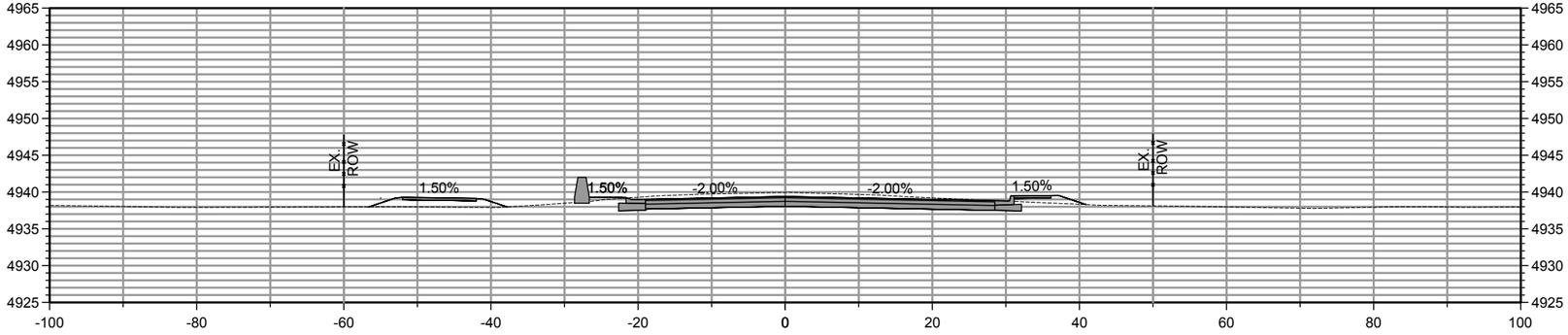
WOODWARD ROAD IMPROVEMENTS
UTILITY PLANS
STA 211+25 TO STA 216+14.65

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

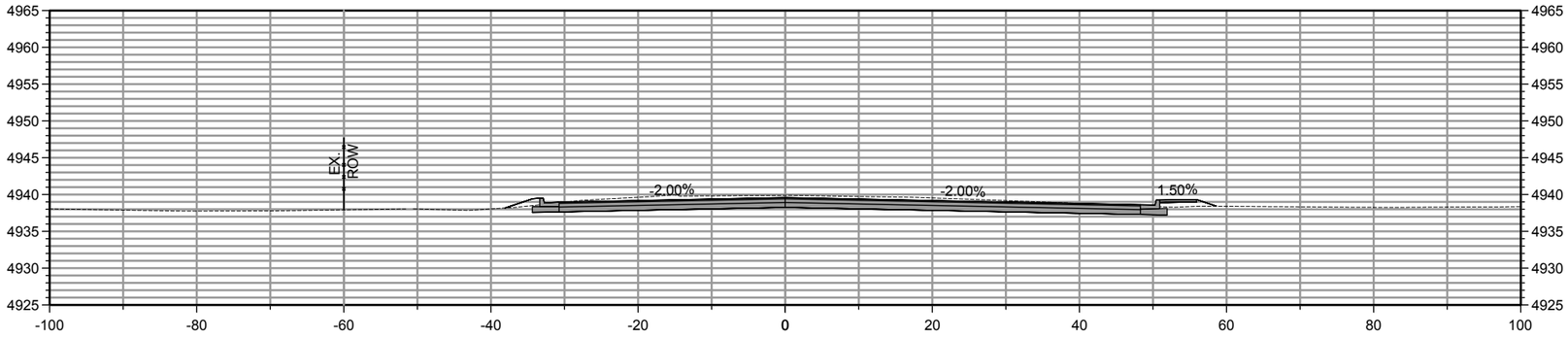
SHEET 11-8 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

60572657 C:\pwworking\aecom_ds16_nt\jordan.thompson39@aecom.com\d0118057\A300161_11-8 Plan.dwg PLOTTED: 7/24/19 - 3:09pm Jordan.Thompson11



STA. 102+00



STA. 101+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

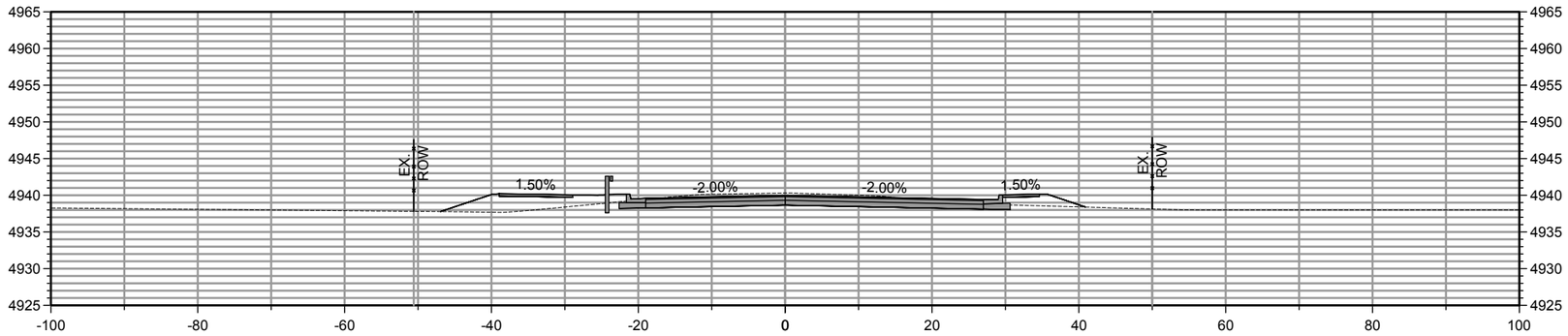
SHEET 13-1 OF

DESIGNED BY:

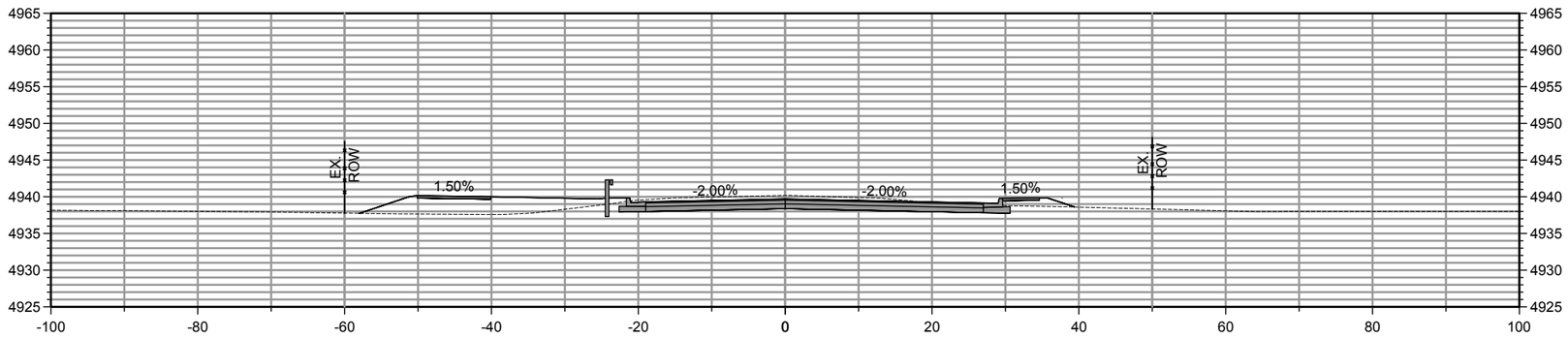
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:44pm Jordan.Thompson11



STA. 103+00



STA. 102+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

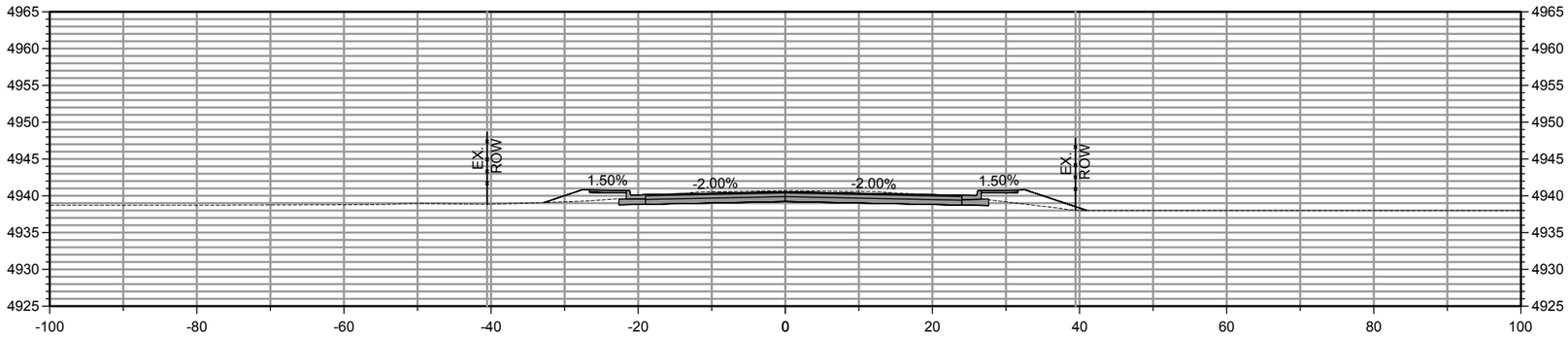
SHEET **13-2** OF

DESIGNED BY:

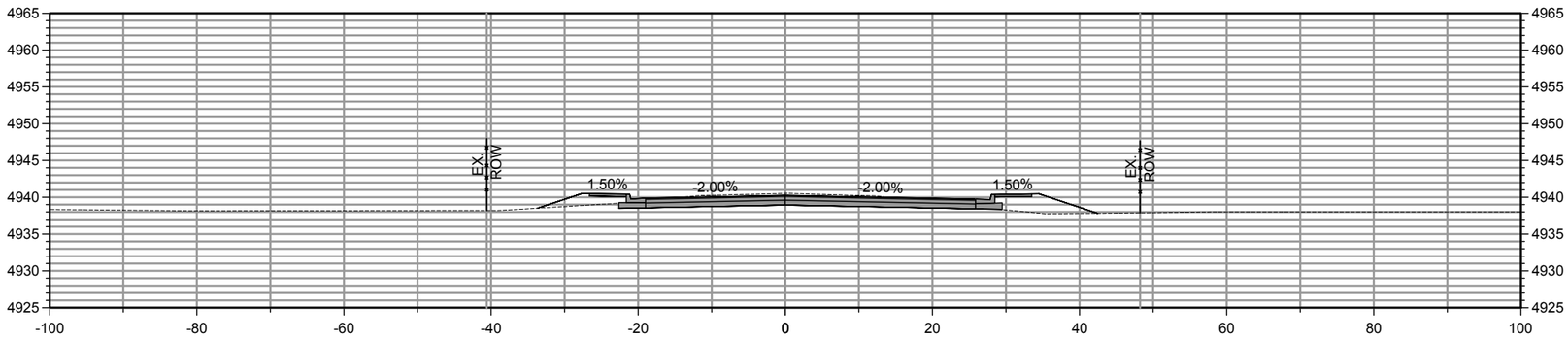
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:44pm Jordan.Thompson11



STA. 104+00



STA. 103+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

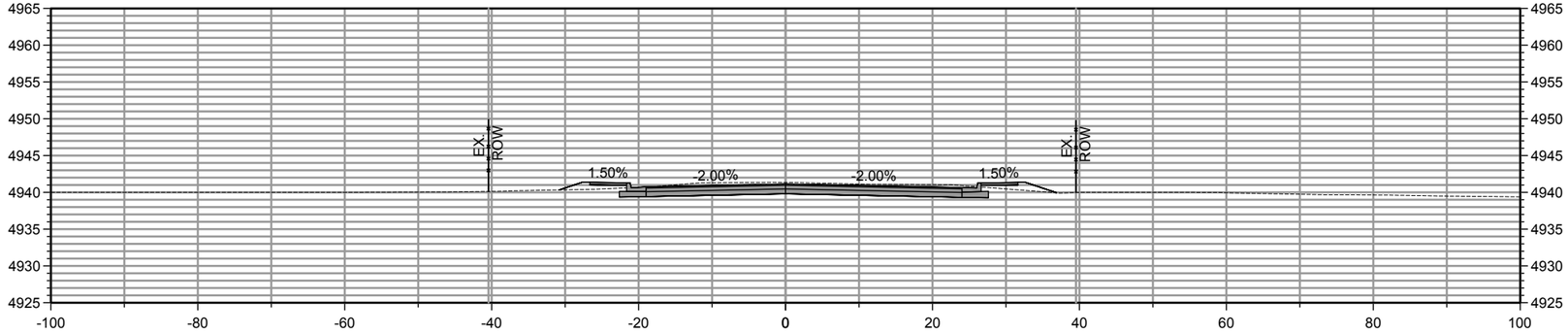
SHEET **13-3** OF

DESIGNED BY:

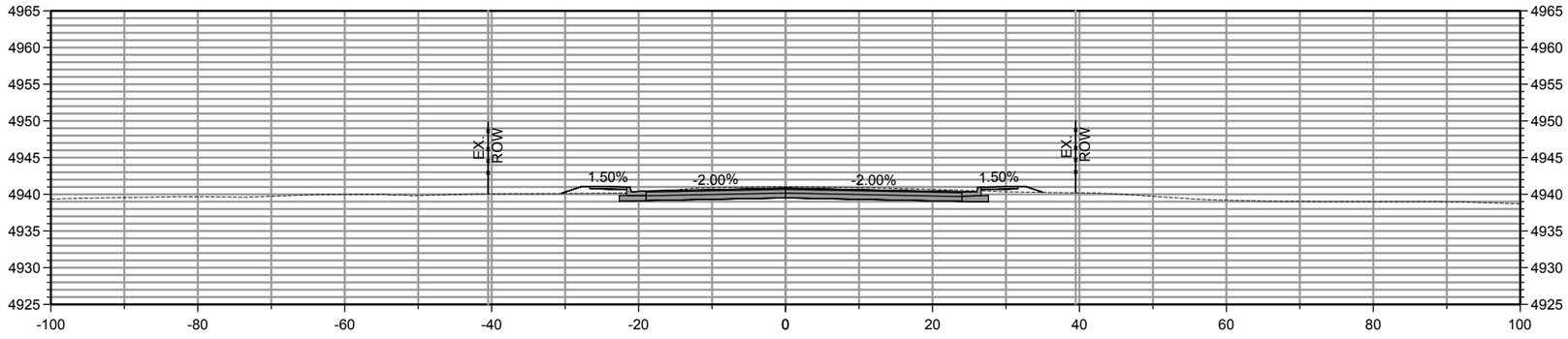
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:45pm Jordan.Thompson11



STA. 105+00



STA. 104+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

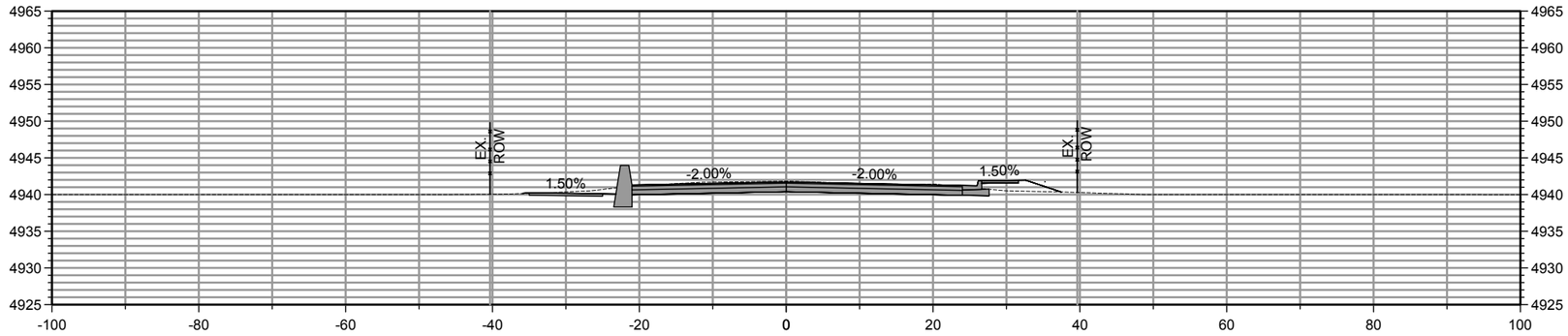
SHEET 13-4 OF

DESIGNED BY:

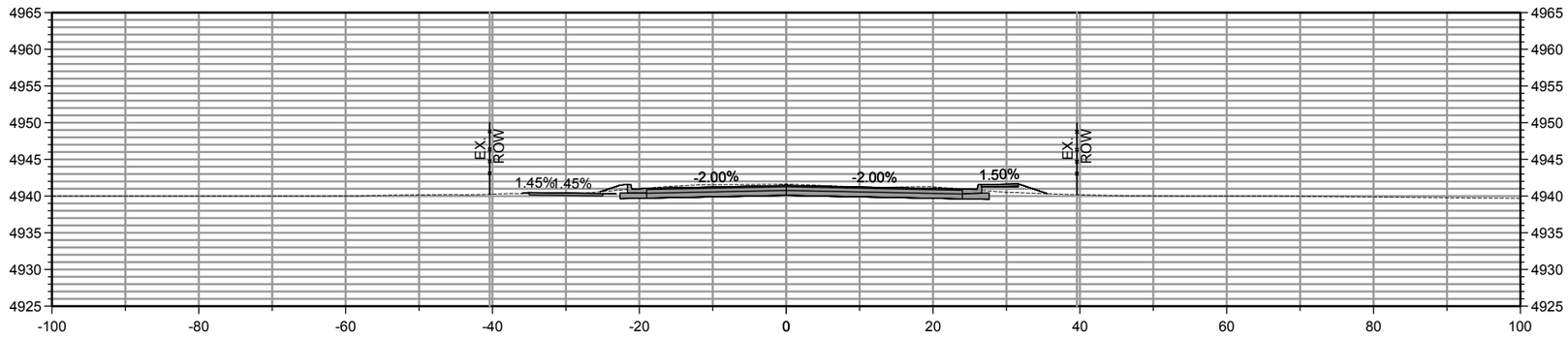
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:45pm Jordan.Thompson11



STA. 106+00



STA. 105+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

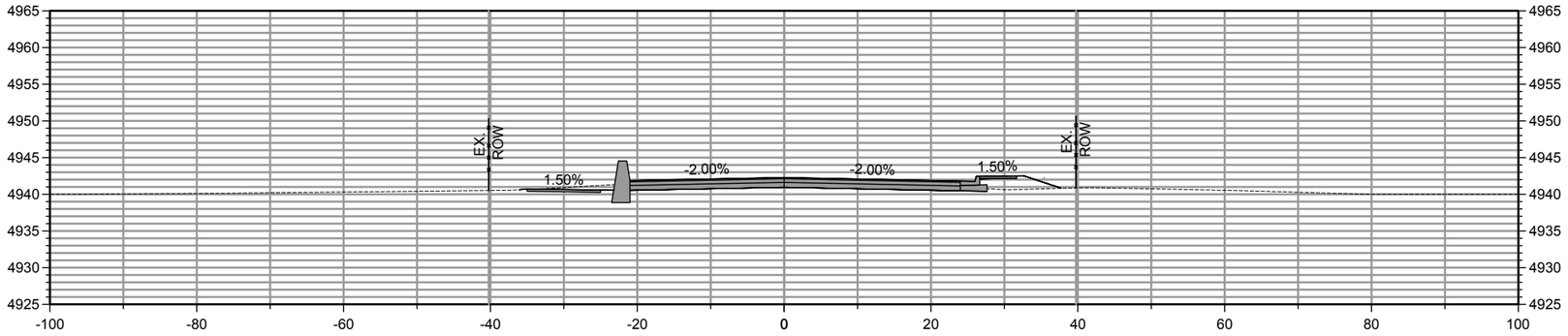
SHEET 13-5 OF

DESIGNED BY:

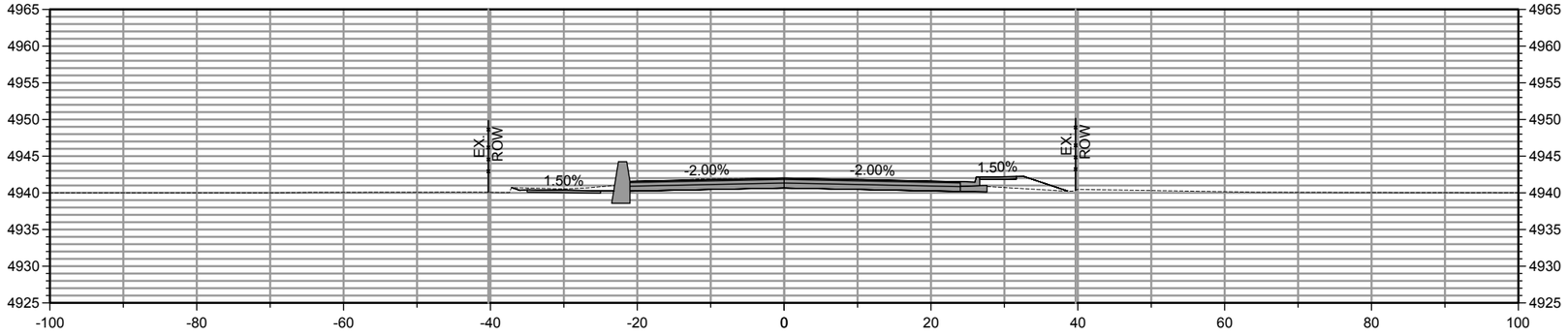
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:45pm Jordan.Thompson11



STA. 107+00



STA. 106+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

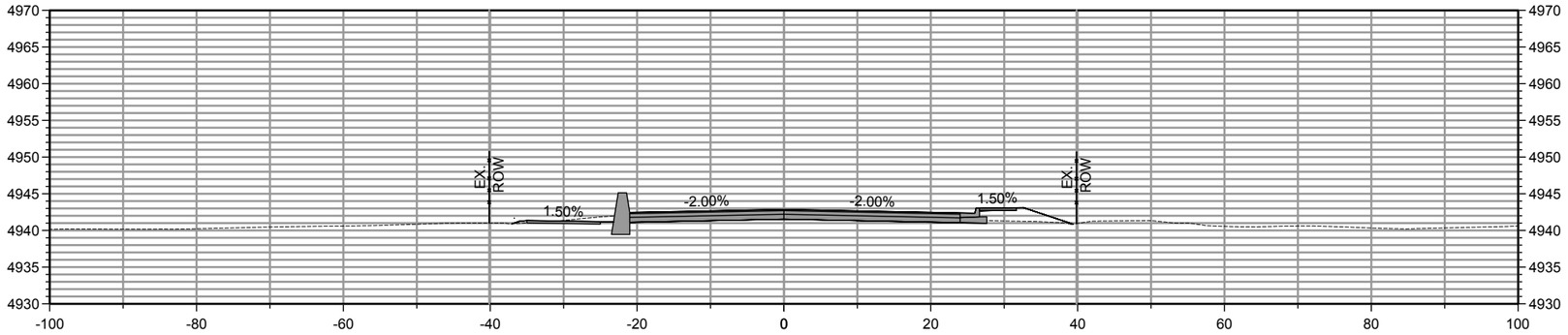
SHEET 13-6 OF

DESIGNED BY:

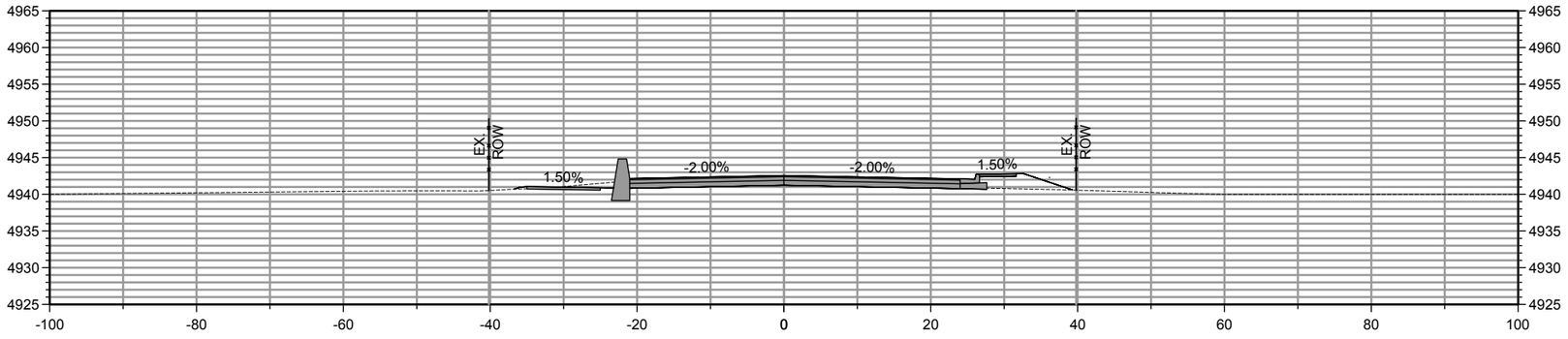
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:45pm Jordan.Thompson11



STA. 108+00



STA. 107+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

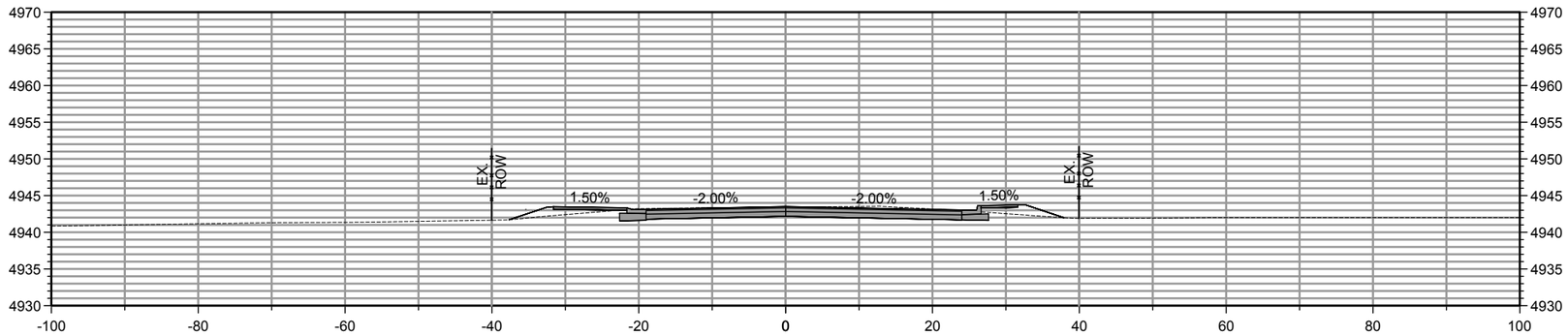
SHEET **13-7** OF

DESIGNED BY:

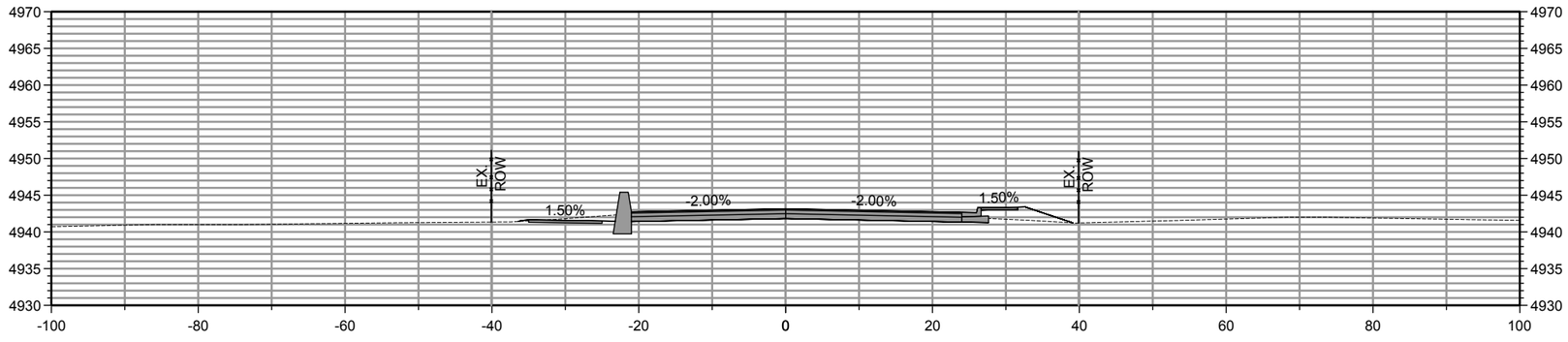
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:45pm Jordan.Thompson11



STA. 109+00



STA. 108+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

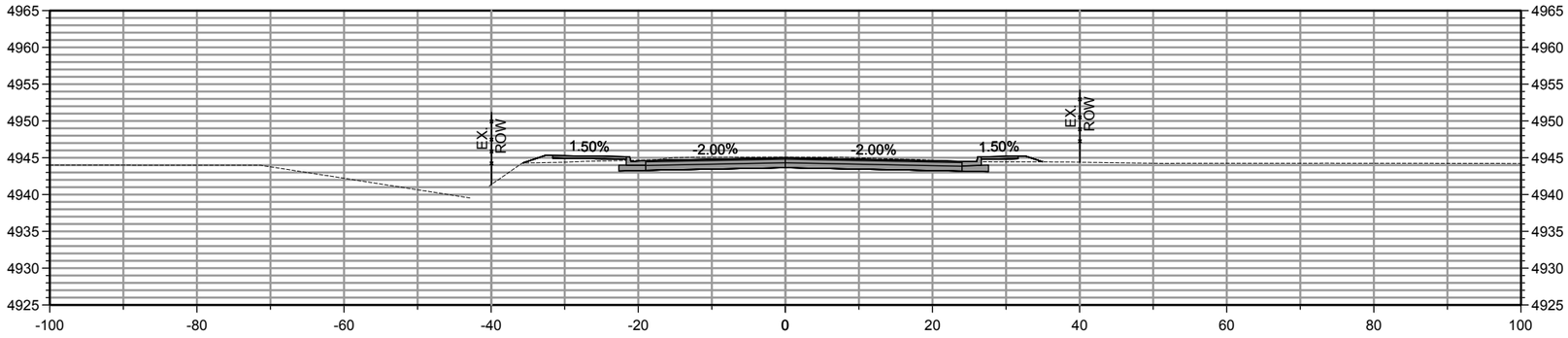
SHEET 13-8 OF

DESIGNED BY:

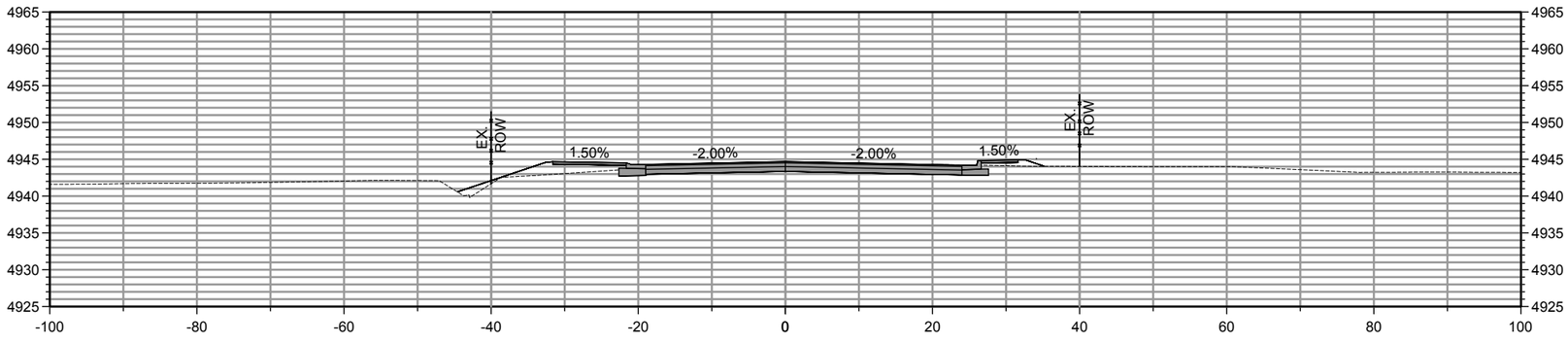
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:45pm Jordan.Thompson11



STA. 110+00



STA. 109+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

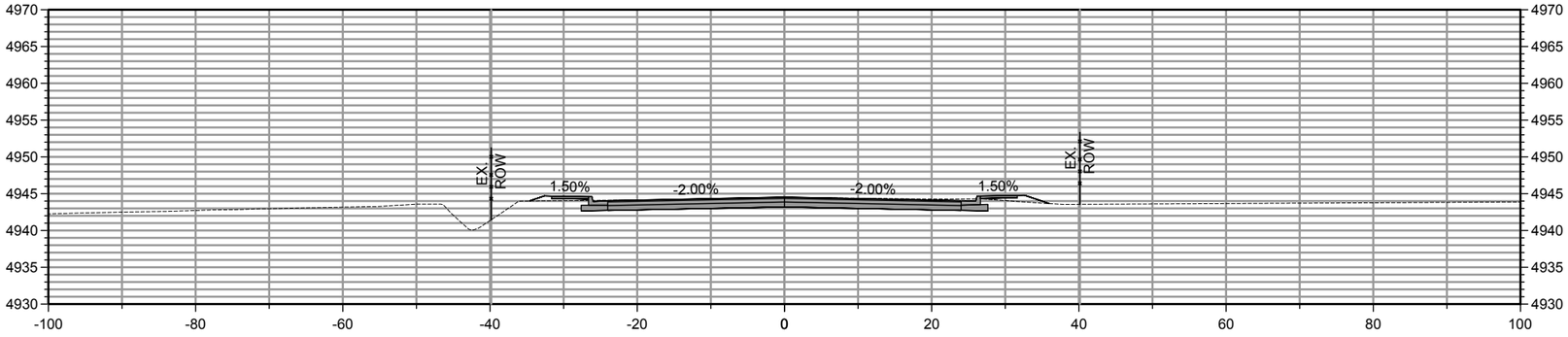
SHEET **13-9** OF

DESIGNED BY:

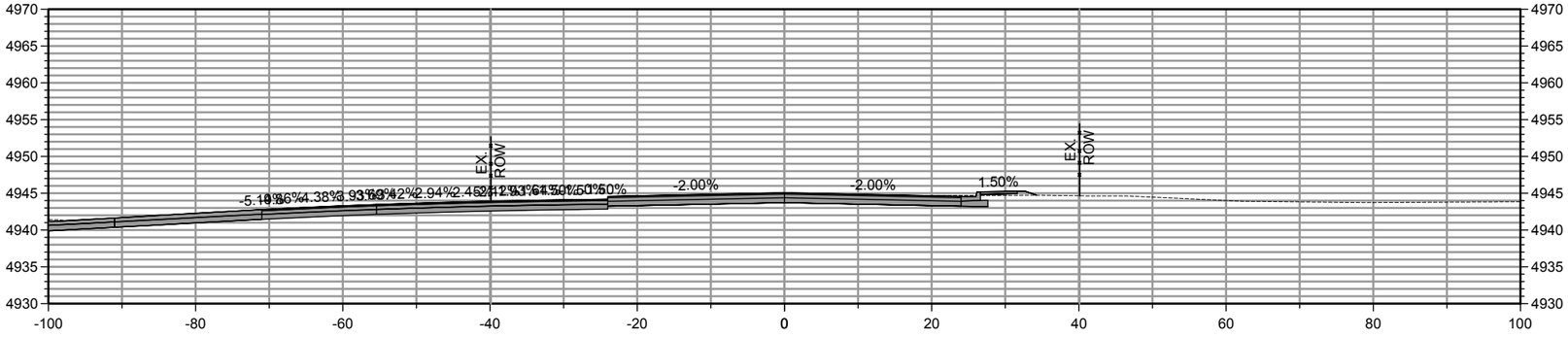
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:46pm Jordan.Thompson11



STA. 111+00



STA. 110+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

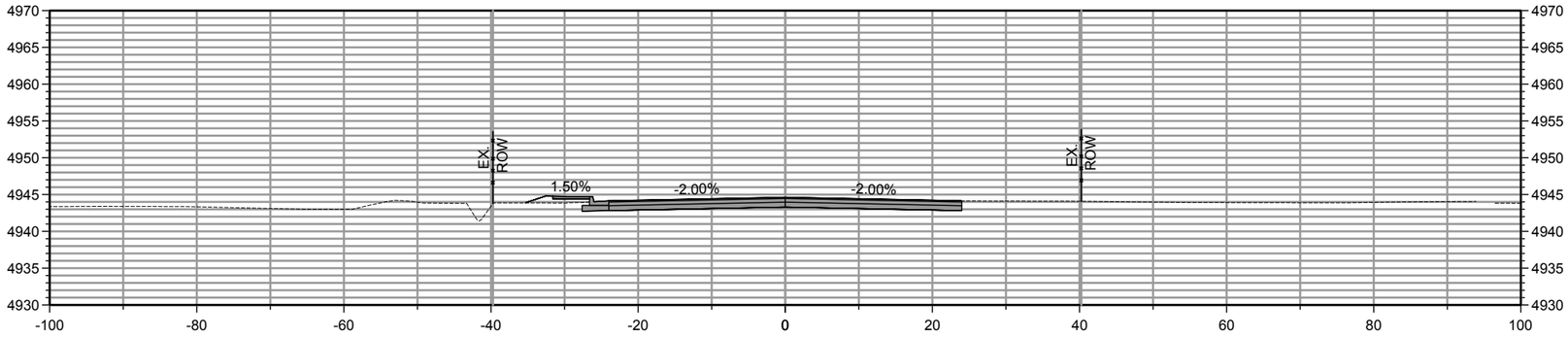
SHEET **13-10** OF

DESIGNED BY:

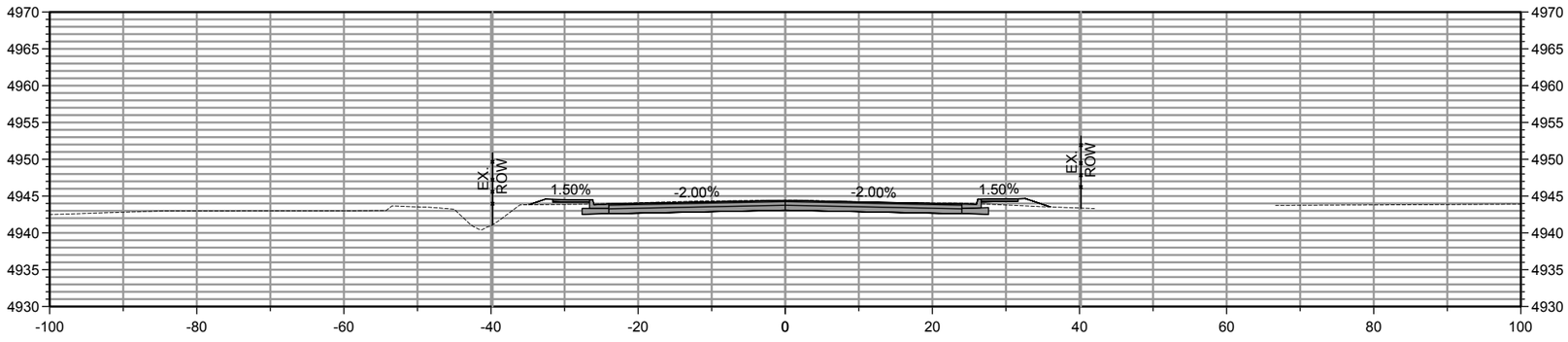
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:46pm Jordan.Thompson11



STA. 112+00



STA. 111+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

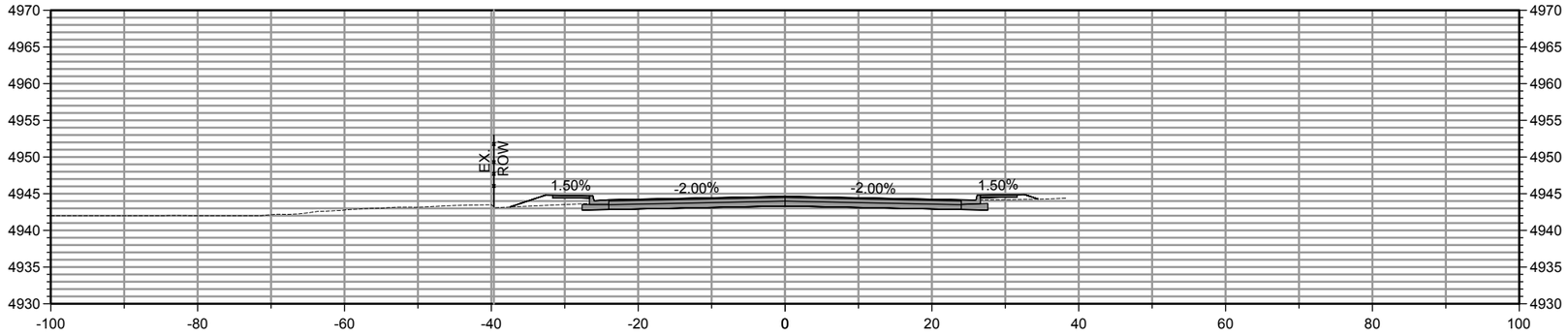
SHEET **13-11** OF

DESIGNED BY:

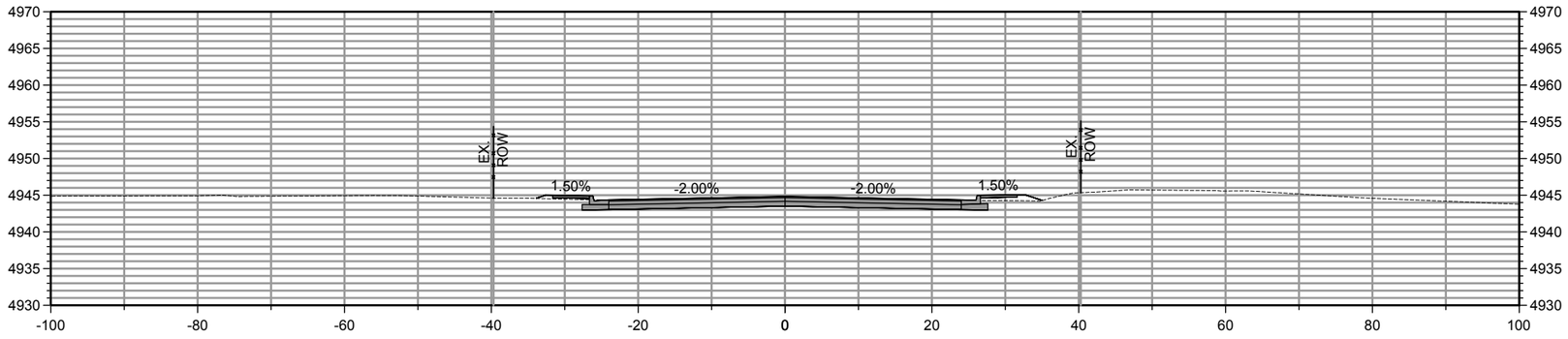
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:46pm Jordan.Thompson11



STA. 113+00



STA. 112+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

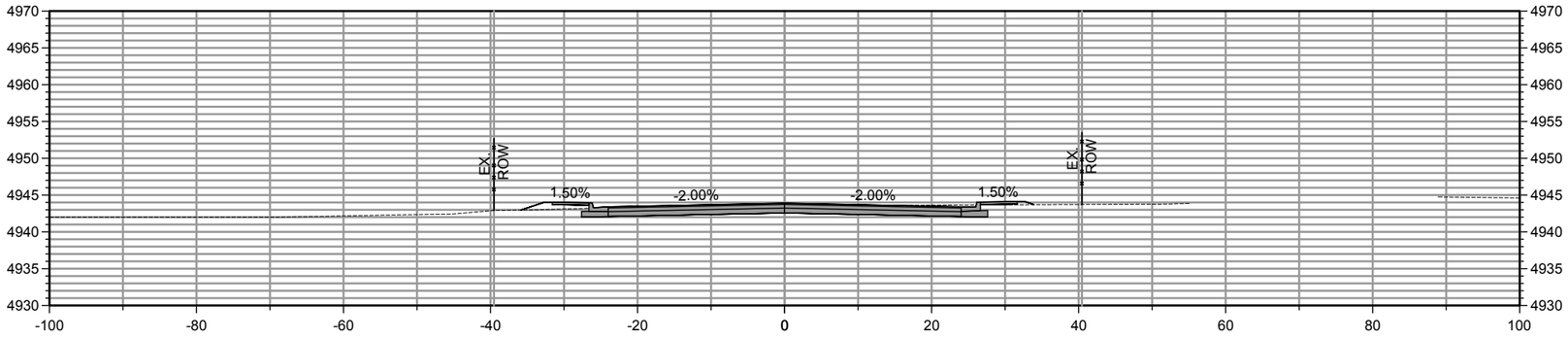
SHEET **13-12** OF

DESIGNED BY:

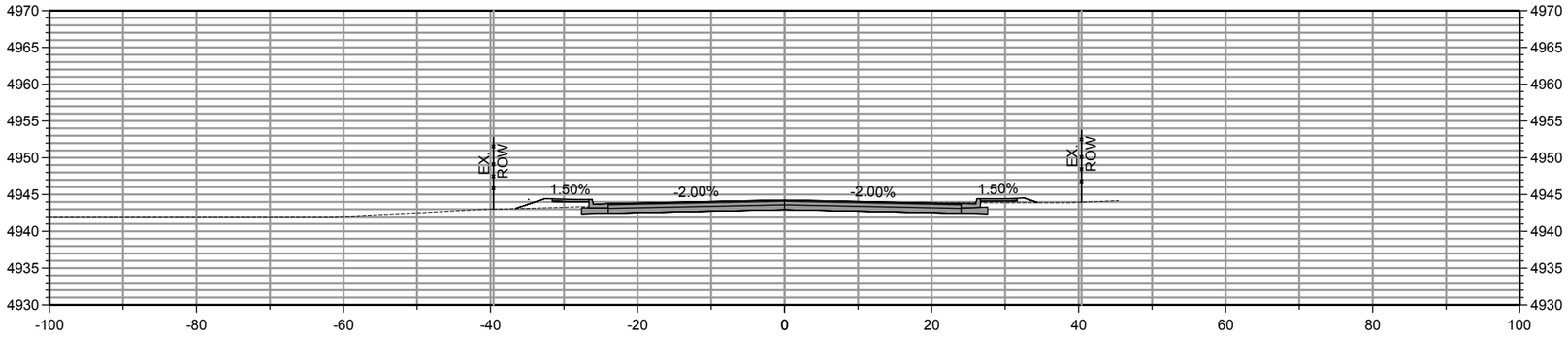
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:46pm Jordan.Thompson11



STA. 114+00



STA. 113+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

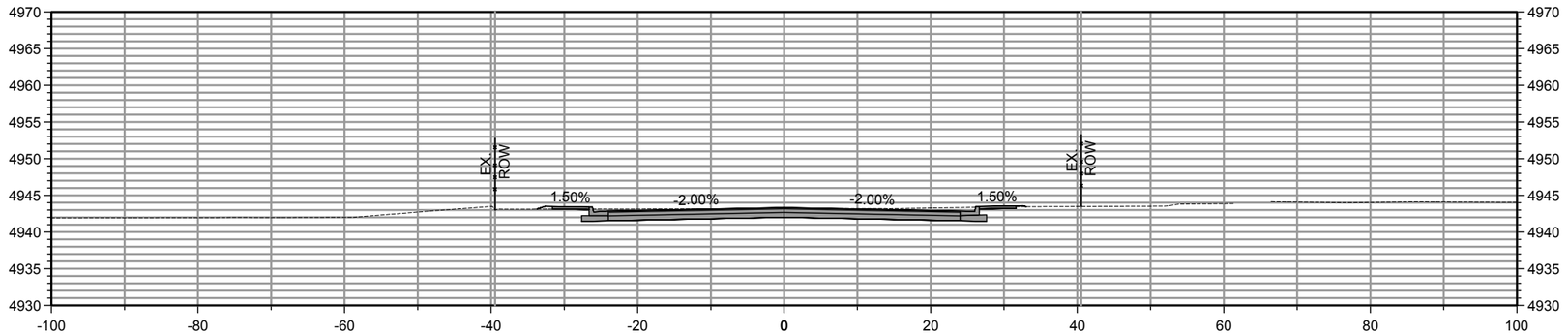
SHEET 13-13 OF

DESIGNED BY:

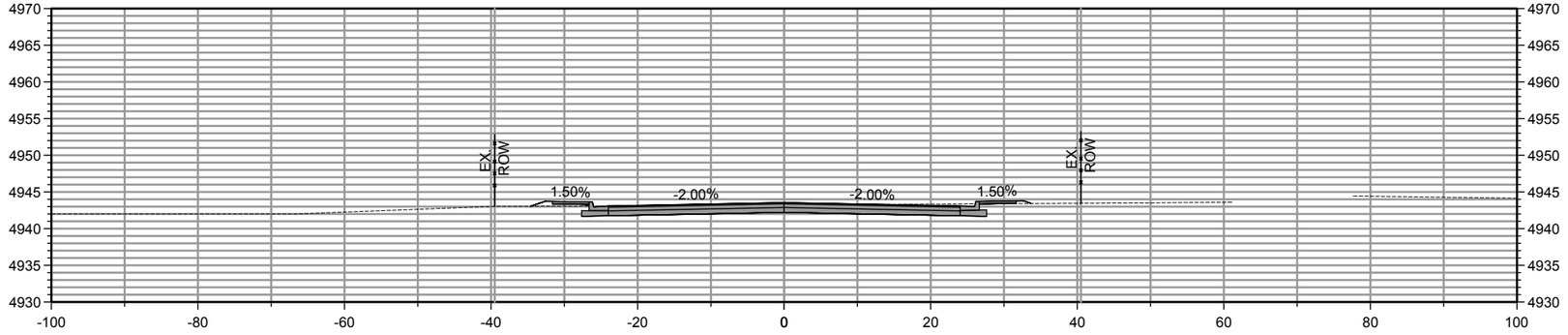
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_ro\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:46pm Jordan.Thompson11



STA. 115+00



STA. 114+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

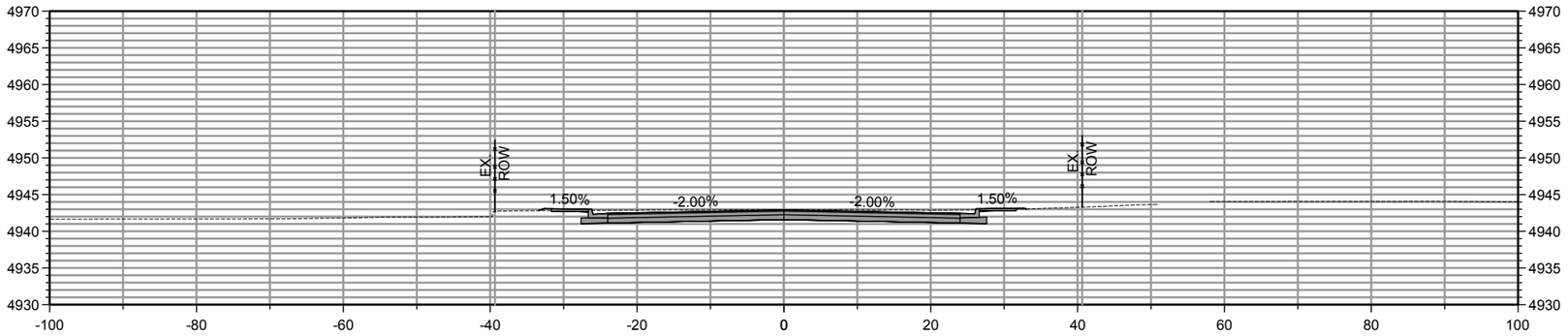
SHEET **13-14** OF

DESIGNED BY:

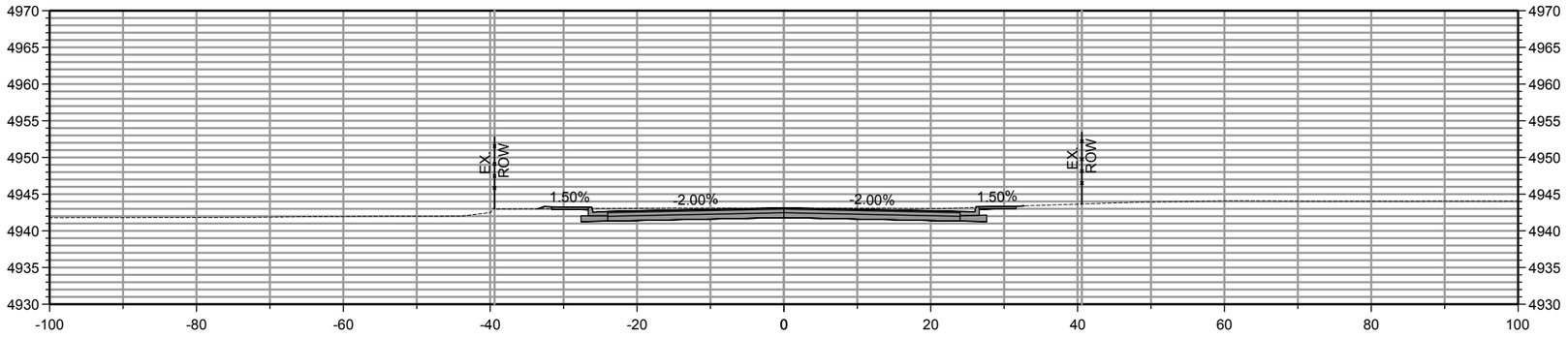
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:46pm Jordan.Thompson11



STA. 116+00



STA. 115+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

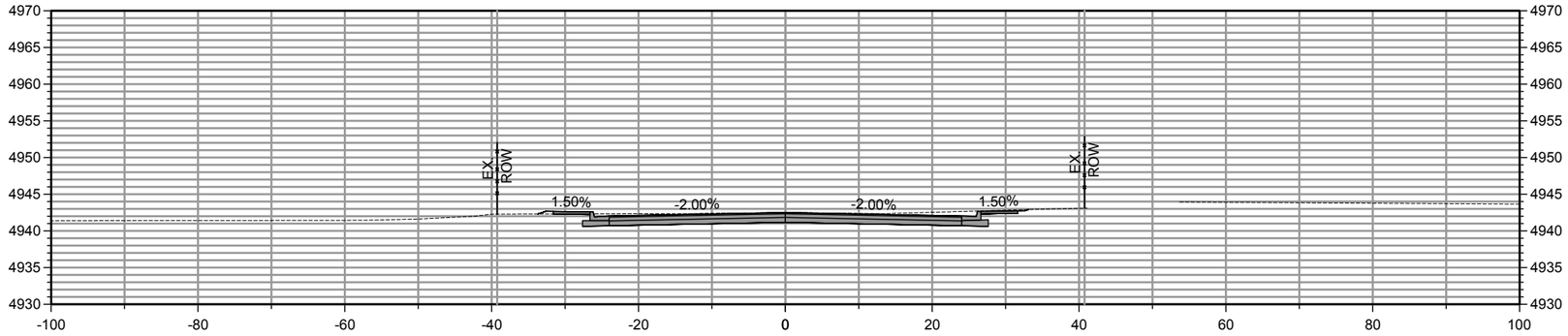
SHEET **13-15** OF

DESIGNED BY:

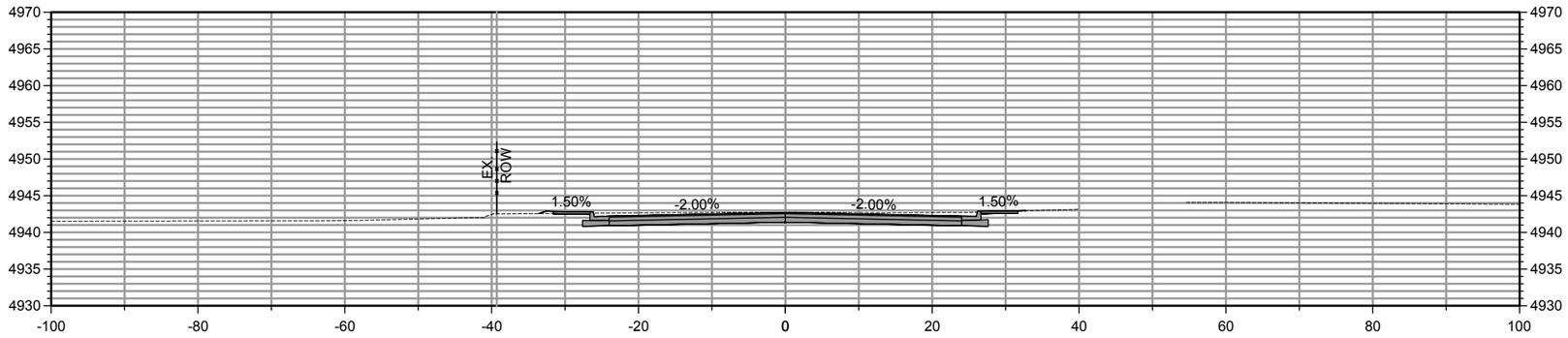
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:46pm Jordan.Thompson11



STA. 117+00



STA. 116+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

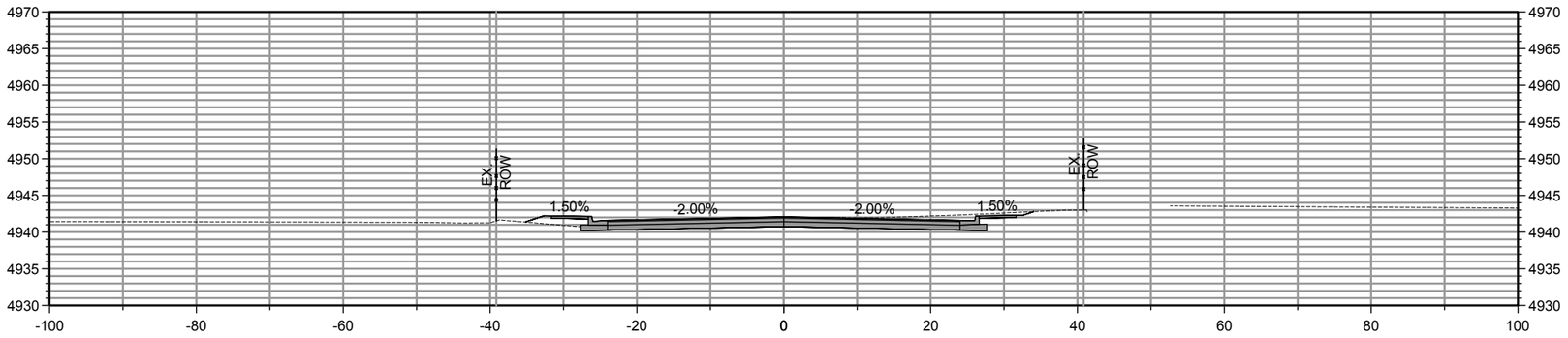
SHEET 13-16 OF

DESIGNED BY:

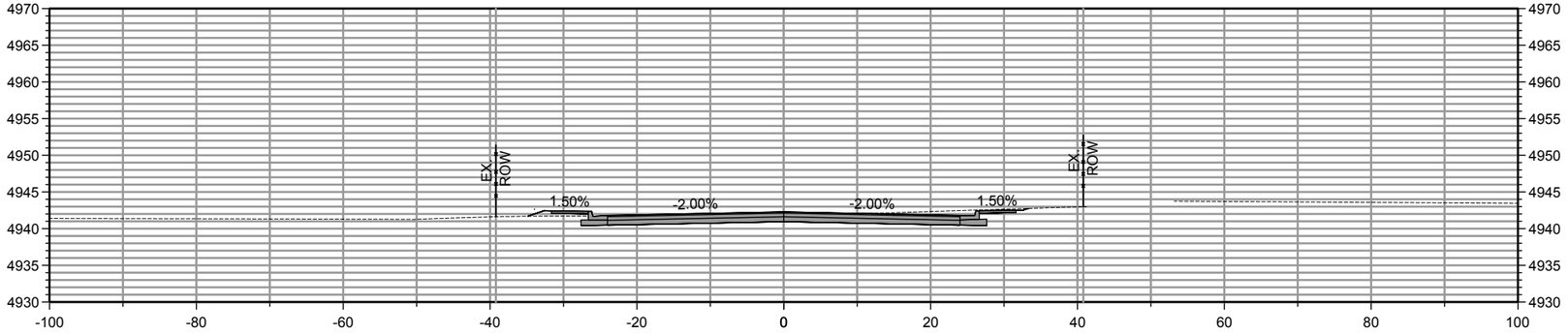
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:47pm Jordan.Thompson11



STA. 118+00



STA. 117+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

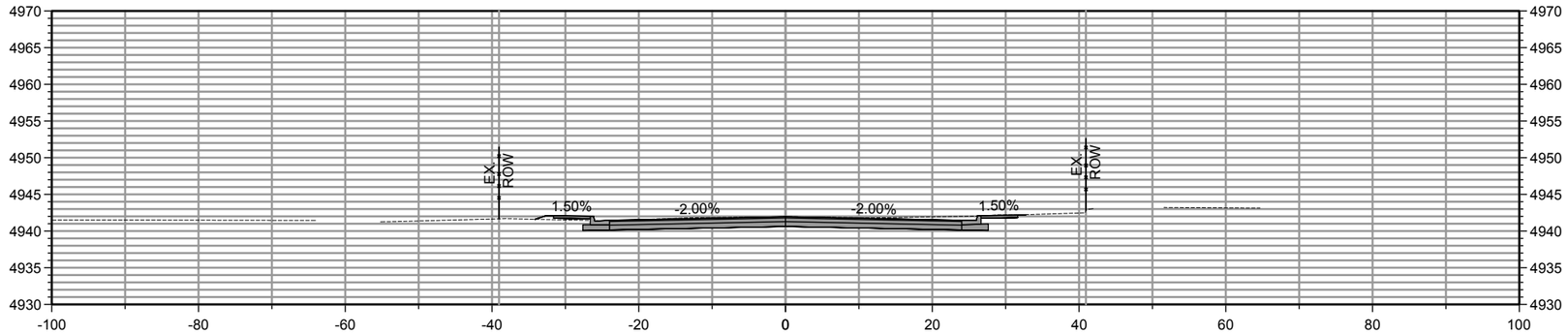
SHEET **13-17** OF

DESIGNED BY:

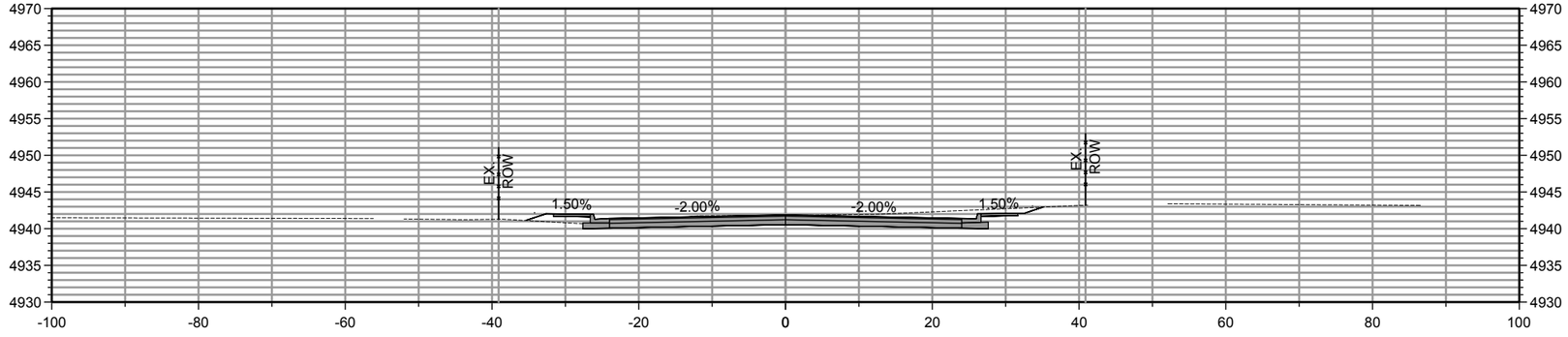
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:47pm Jordan.Thompson11



STA. 119+00



STA. 118+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

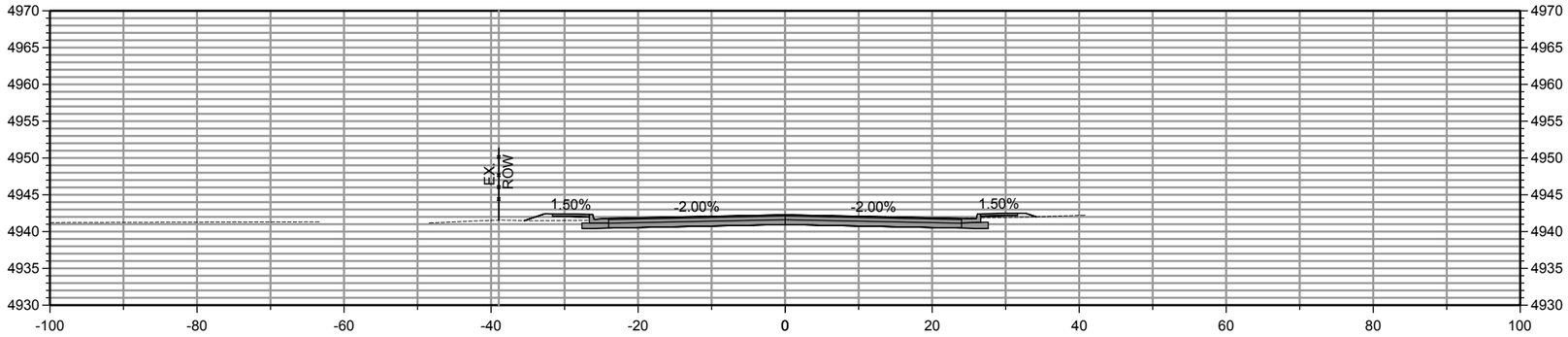
SHEET 13-18 OF

DESIGNED BY:

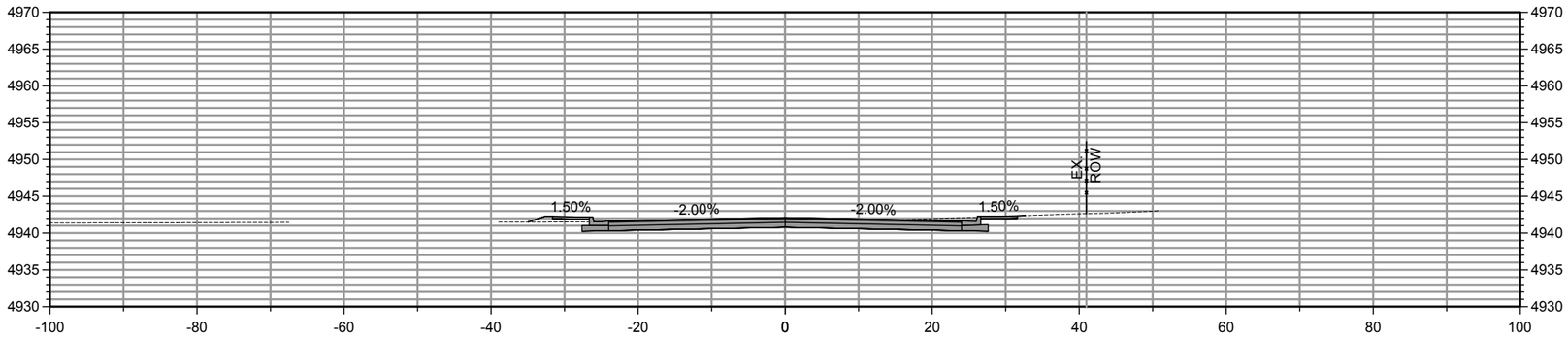
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:47pm Jordan.Thompson11



STA. 120+00



STA. 119+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

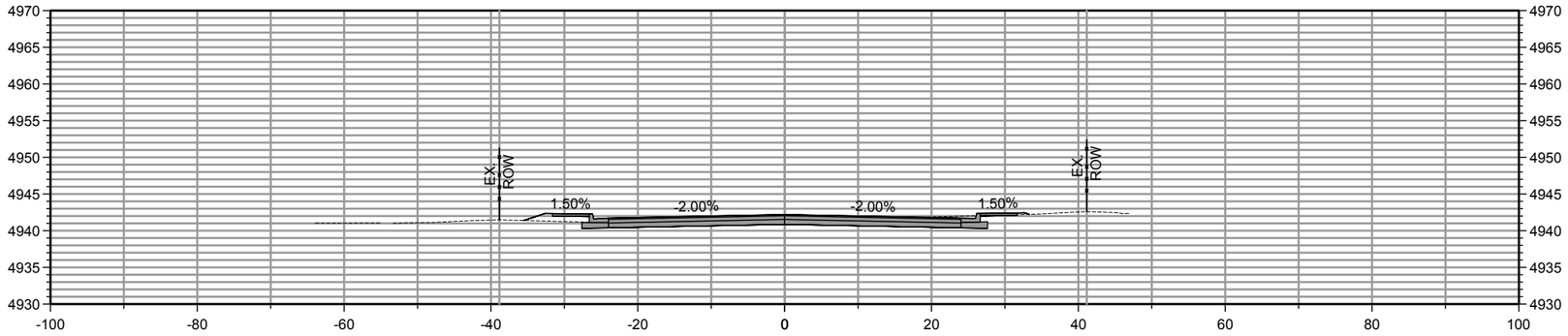
SHEET 13-19 OF

DESIGNED BY:

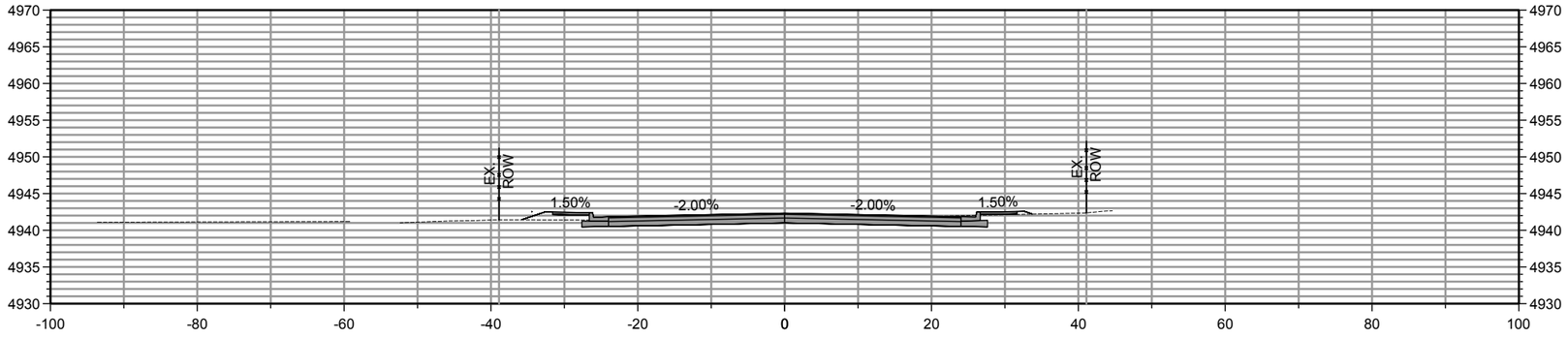
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:47pm Jordan.Thompson11



STA. 121+00



STA. 120+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

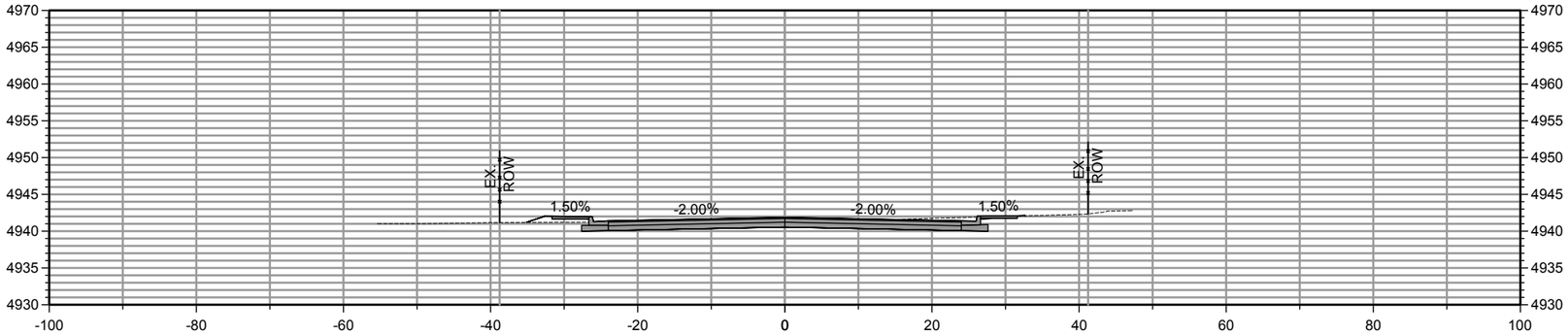
SHEET 13-20 OF

DESIGNED BY:

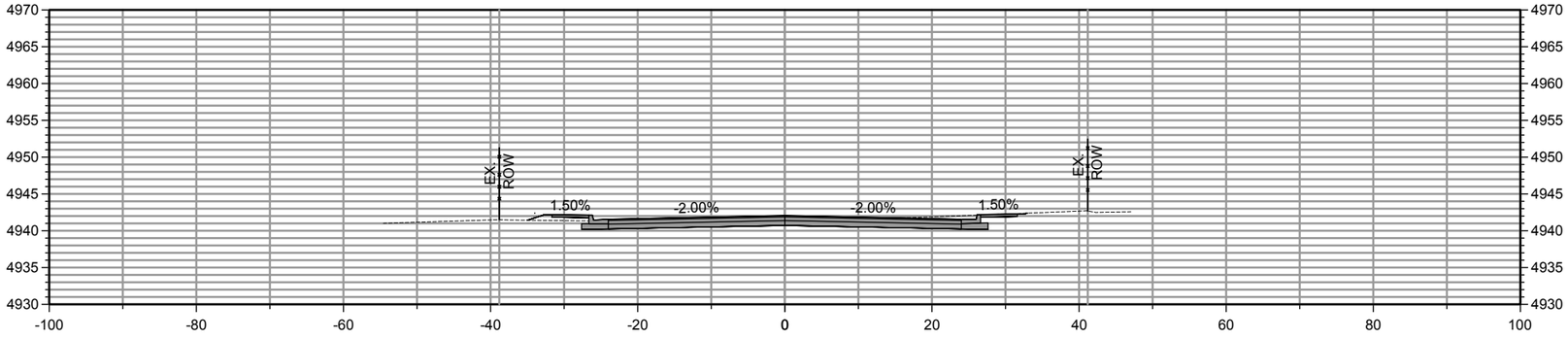
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:47pm Jordan.Thompson11



STA. 122+00



STA. 121+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

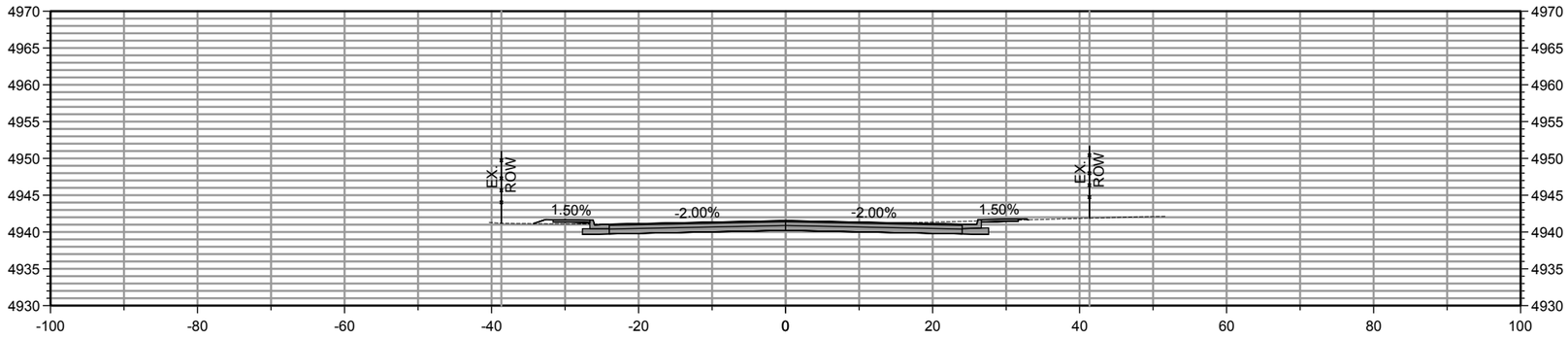
SHEET 13-21 OF

DESIGNED BY:

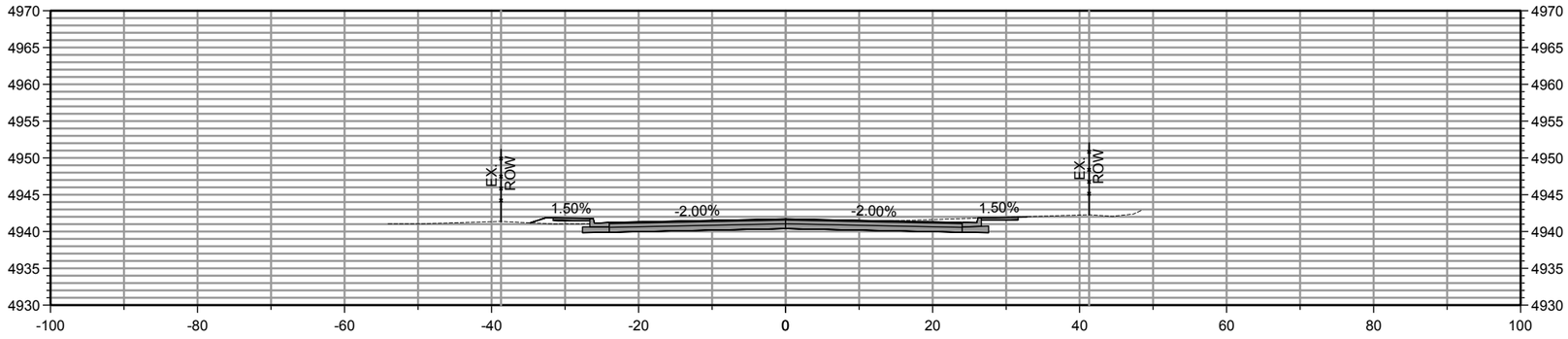
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:47pm Jordan.Thompson11



STA. 123+00



STA. 122+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

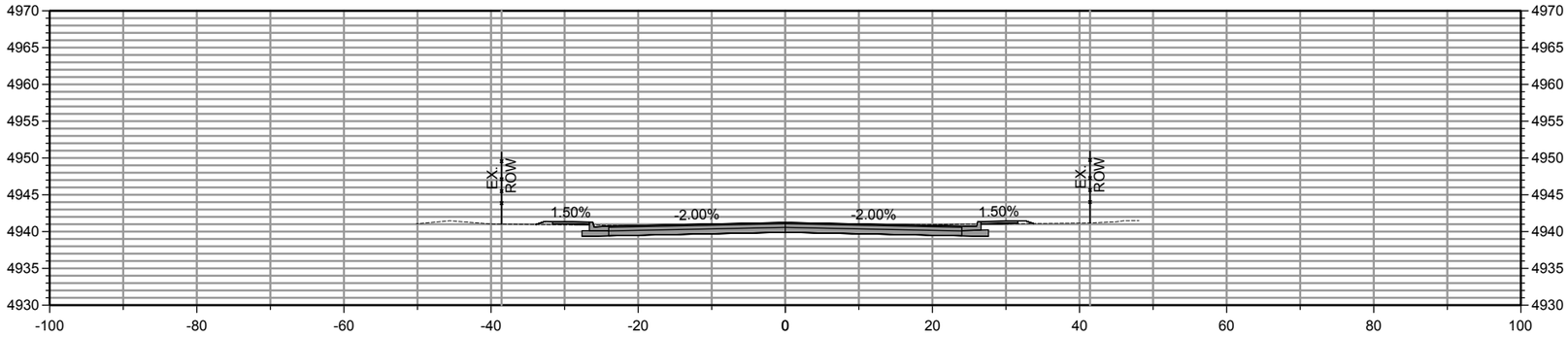
SHEET 13-22 OF

DESIGNED BY:

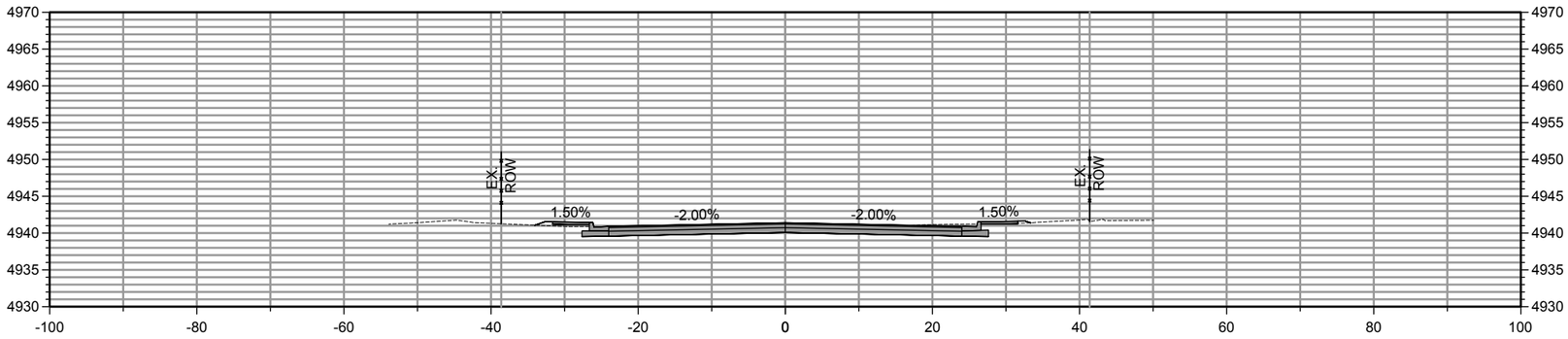
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:47pm Jordan.Thompson11



STA. 124+00



STA. 123+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

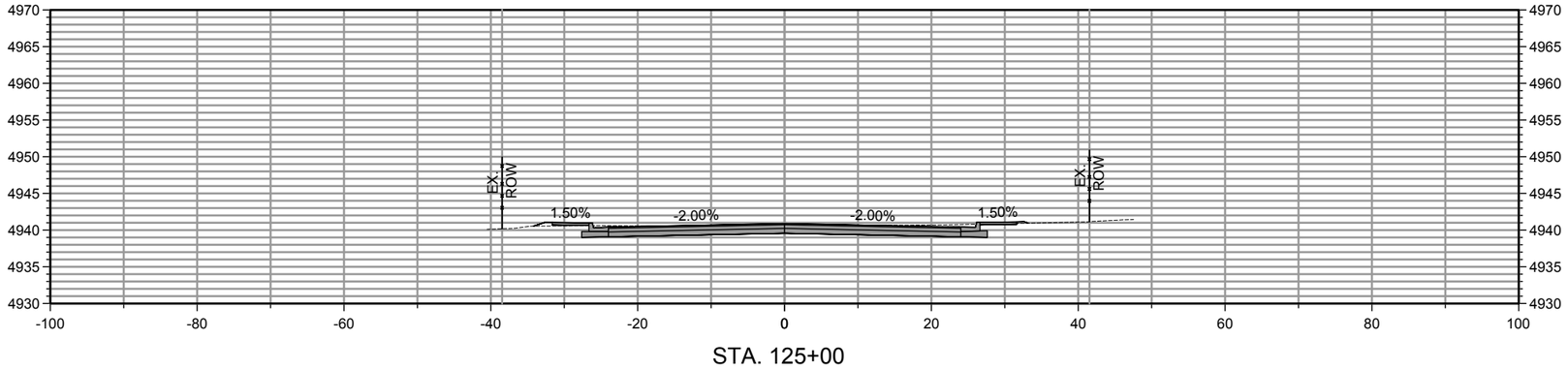
SHEET 13-23 OF

DESIGNED BY:

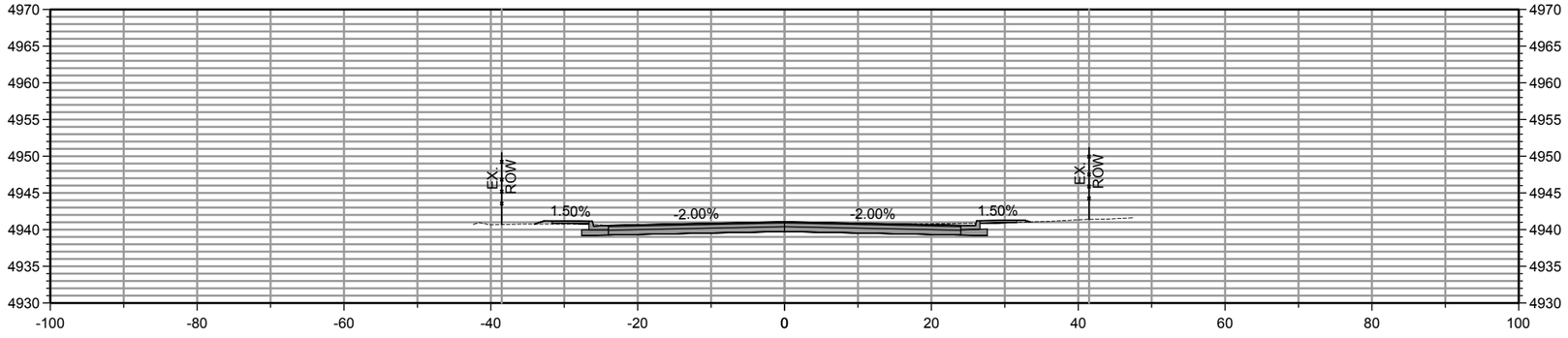
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:48pm Jordan.Thompson11



STA. 125+00



STA. 124+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS

ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

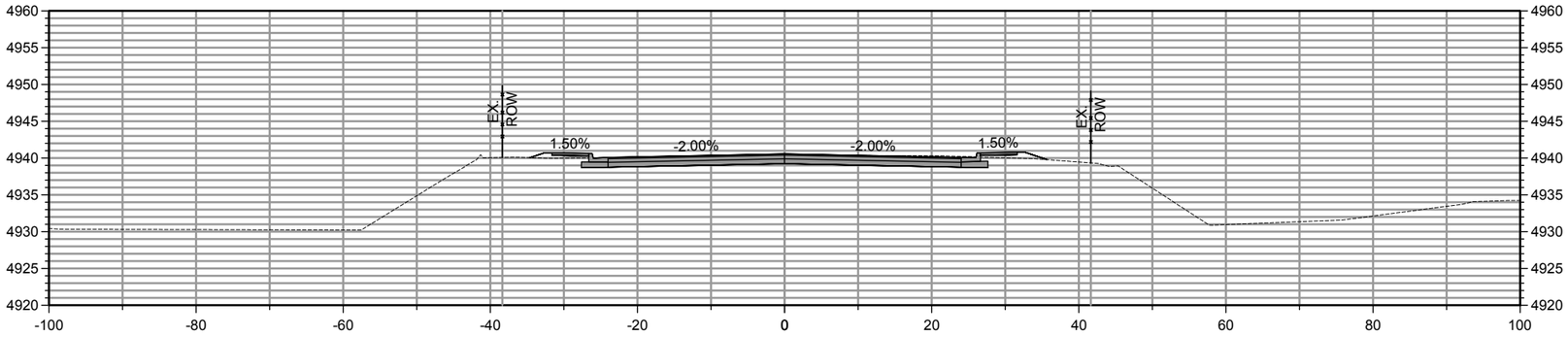
SHEET **13-24** OF

DESIGNED BY:

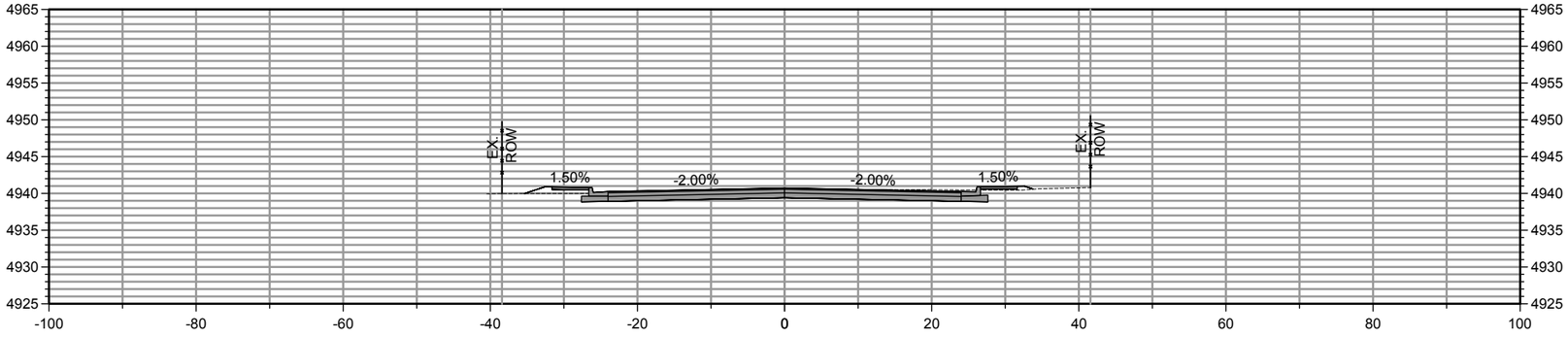
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:48pm Jordan.Thompson11



STA. 126+00



STA. 125+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

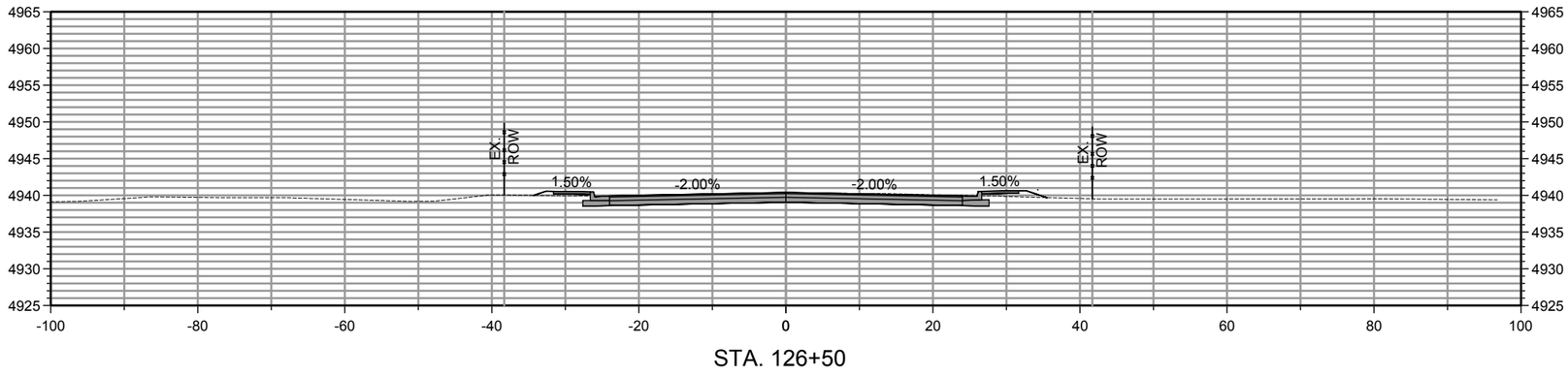
SHEET **13-25** OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:48pm Jordan.Thompson11



STA. 126+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WOODWARD RD

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

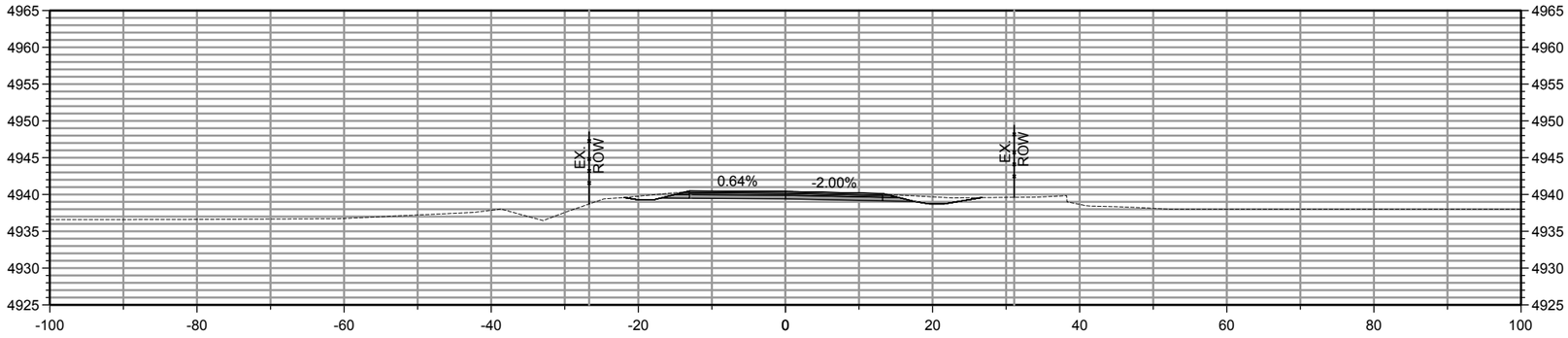
SHEET 13-26 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:48pm Jordan.Thompson11



STA. 202+00

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

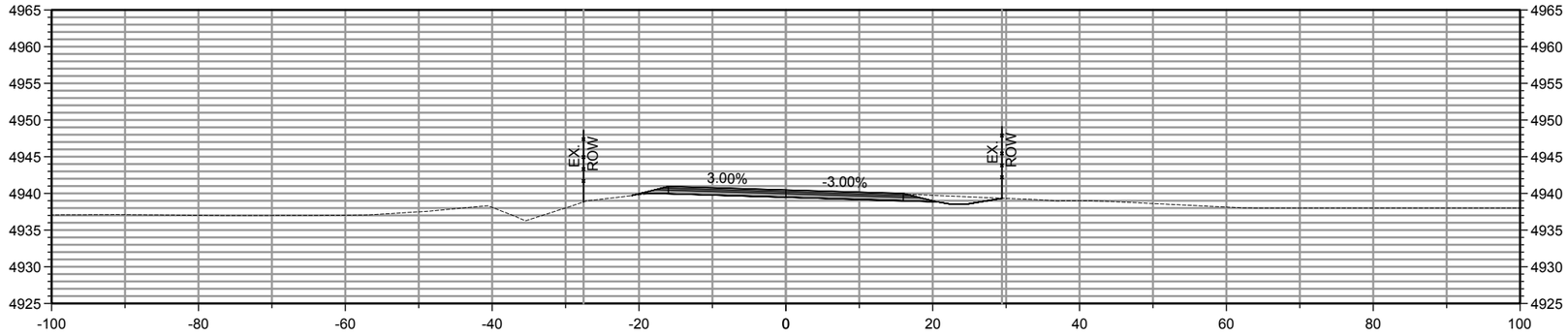
SHEET 13-27 OF

DESIGNED BY:

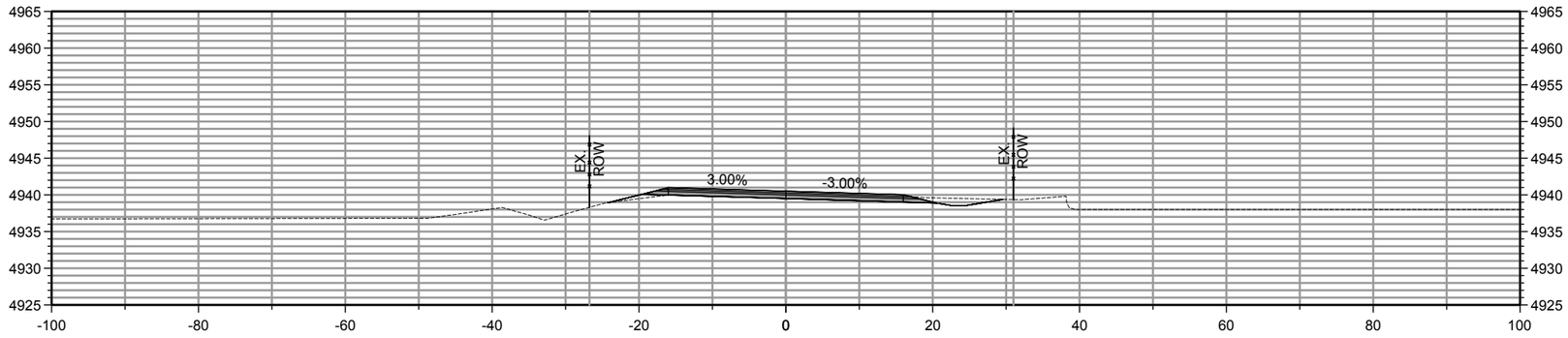
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:48pm Jordan.Thompson11



STA. 203+00



STA. 202+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

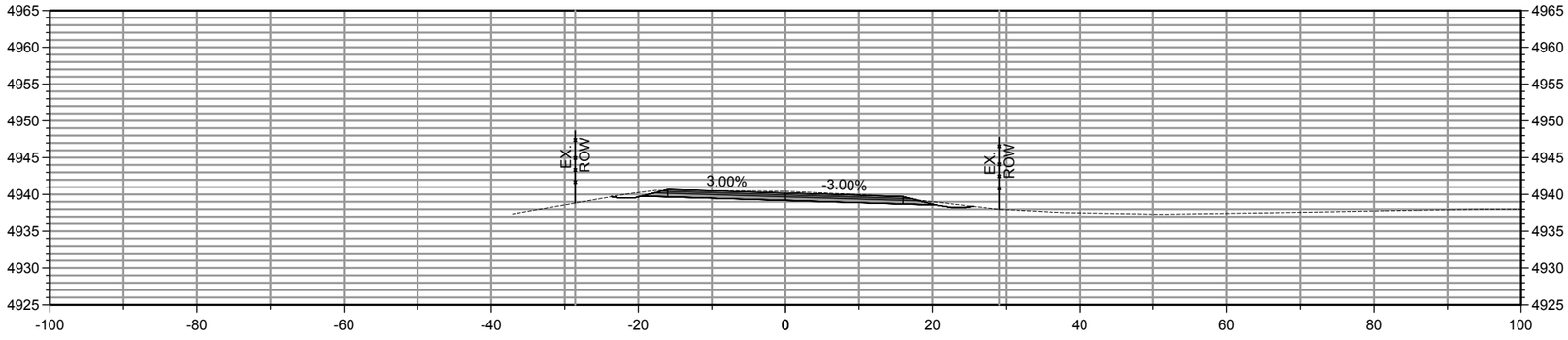
SHEET **13-28** OF

DESIGNED BY:

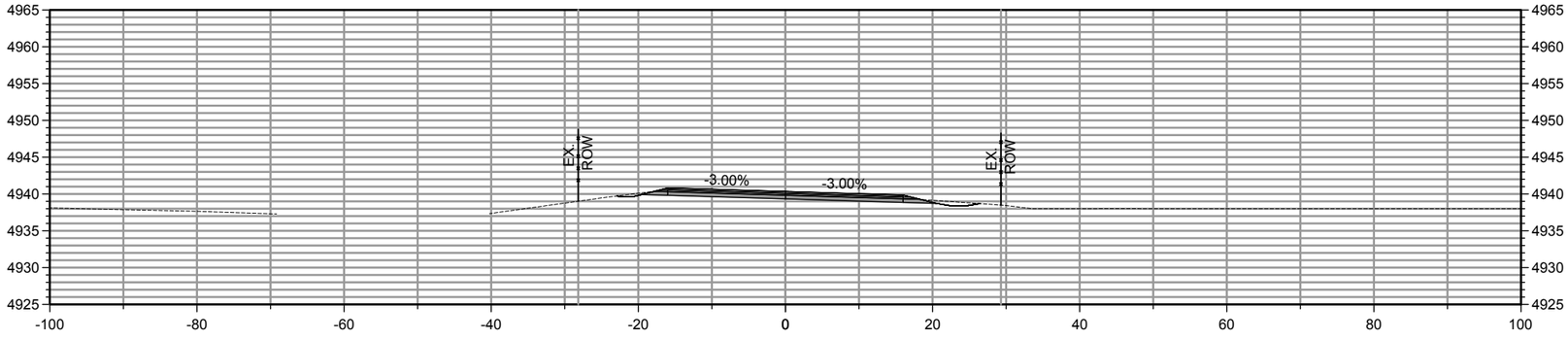
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_ra\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:48pm Jordan.Thompson11



STA. 204+00



STA. 203+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

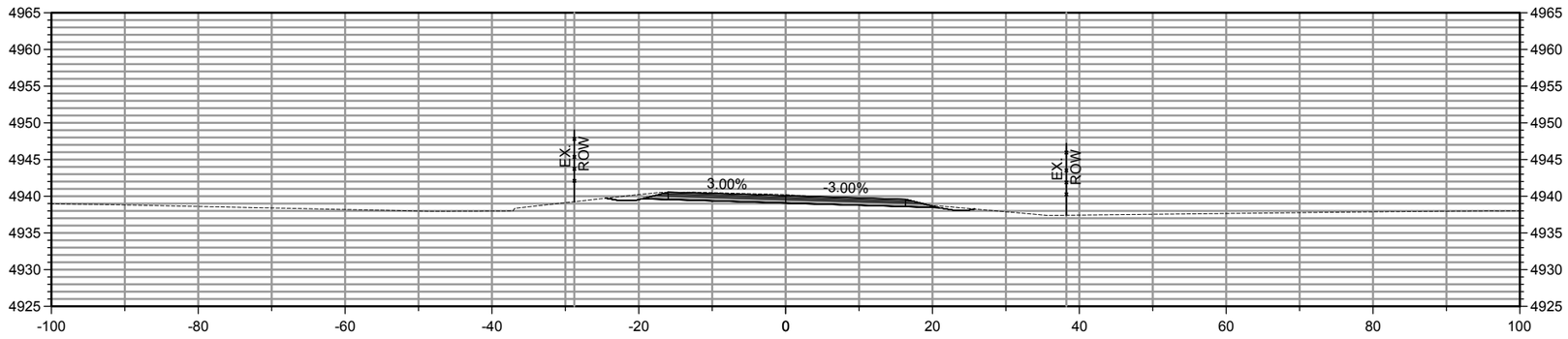
SHEET 13-29 OF

DESIGNED BY:

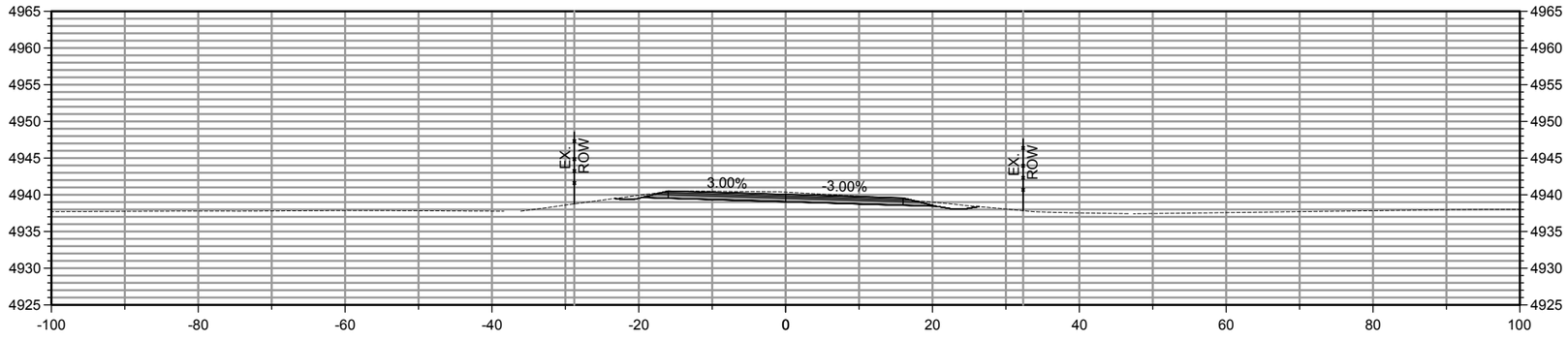
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:49pm Jordan.Thompson11



STA. 205+00



STA. 204+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

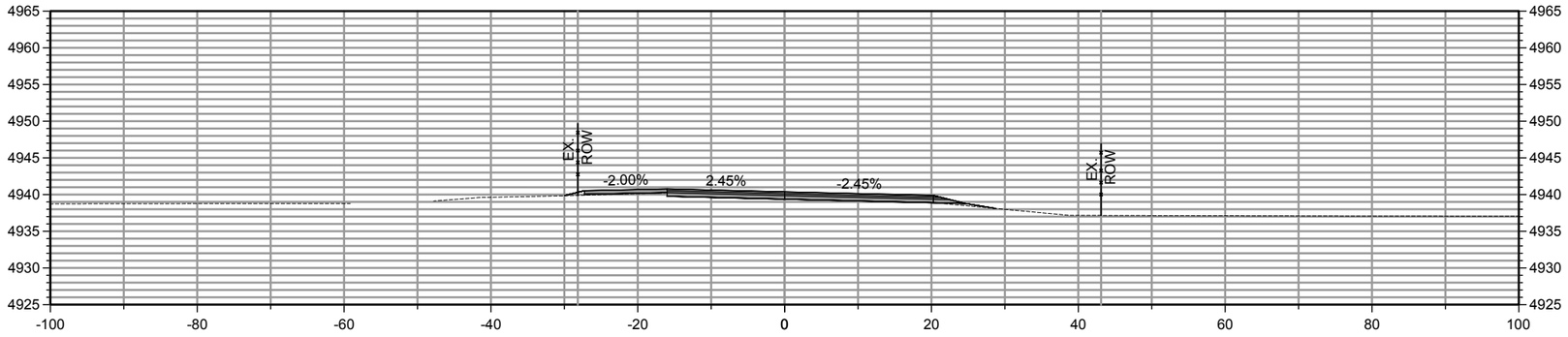
SHEET 13-30 OF

DESIGNED BY:

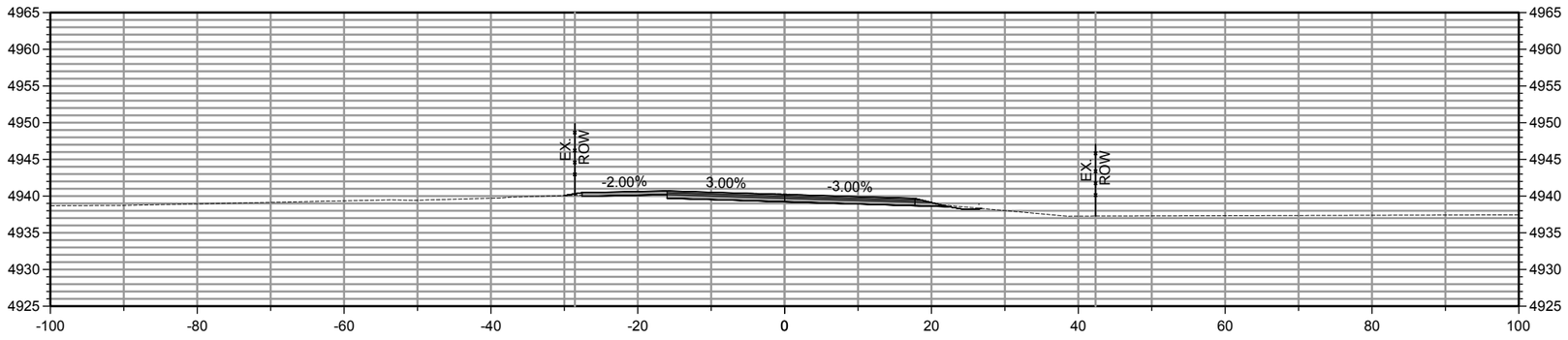
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:49pm Jordan.Thompson11



STA. 206+00



STA. 205+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

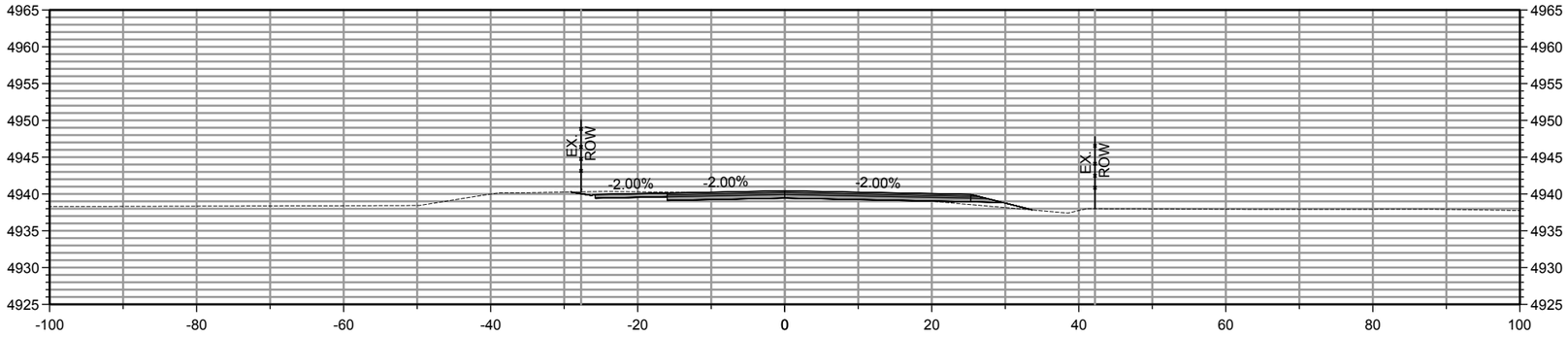
SHEET **13-31** OF

DESIGNED BY:

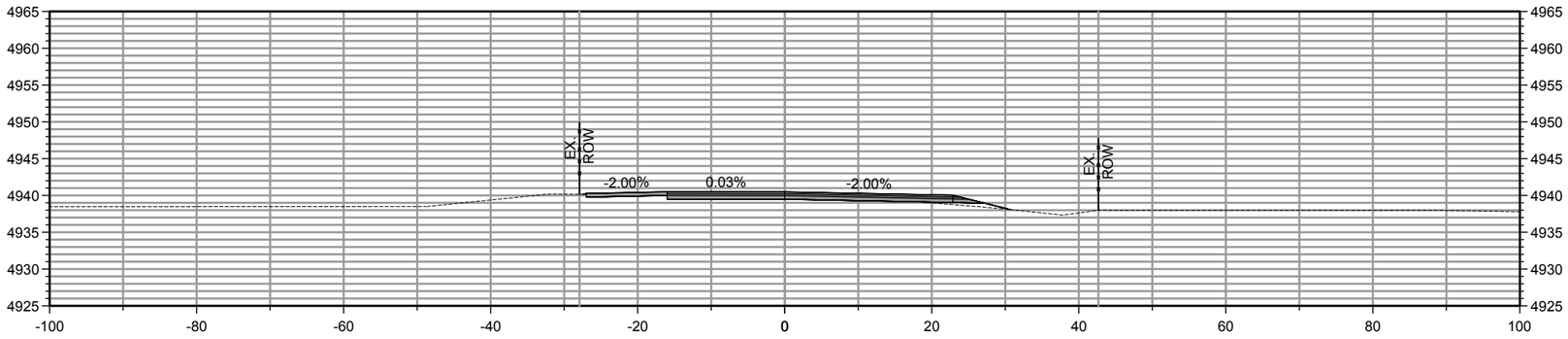
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:49pm Jordan.Thompson11



STA. 207+00



STA. 206+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

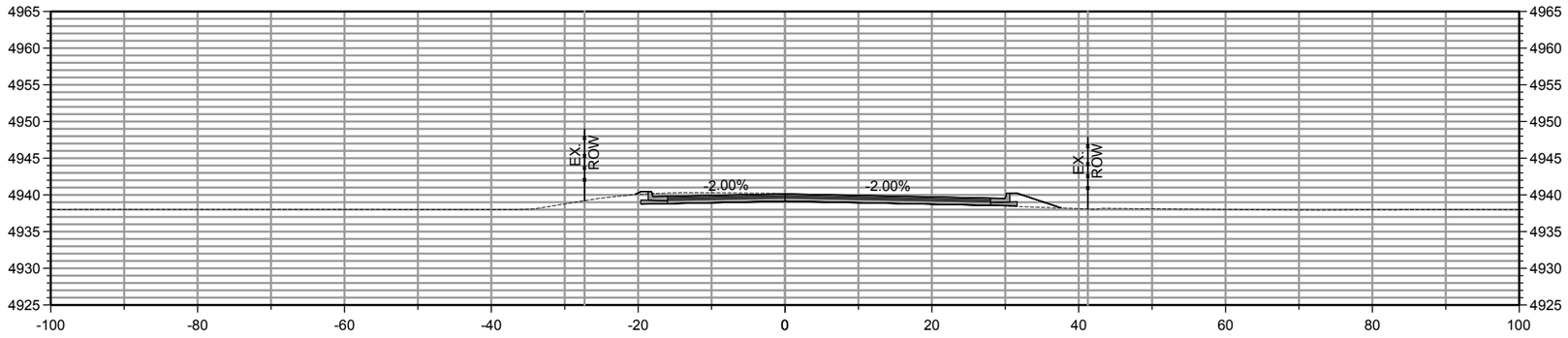
SHEET **13-32** OF

DESIGNED BY:

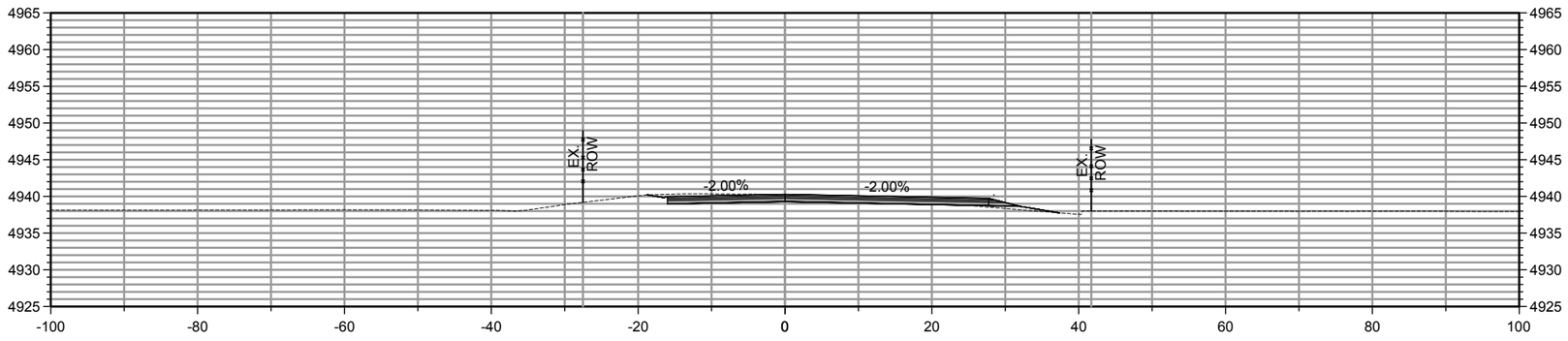
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:49pm Jordan.Thompson11



STA. 208+00



STA. 207+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

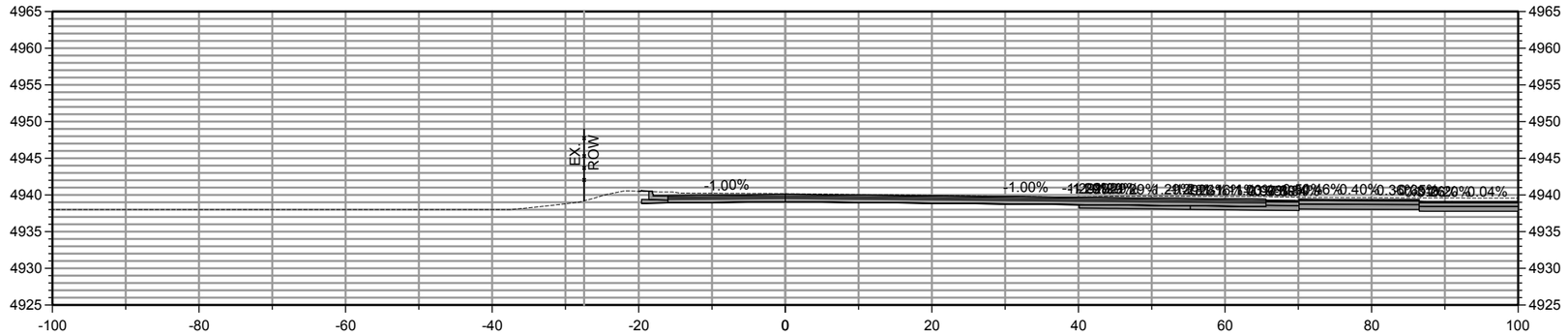
SHEET 13-33 OF

DESIGNED BY:

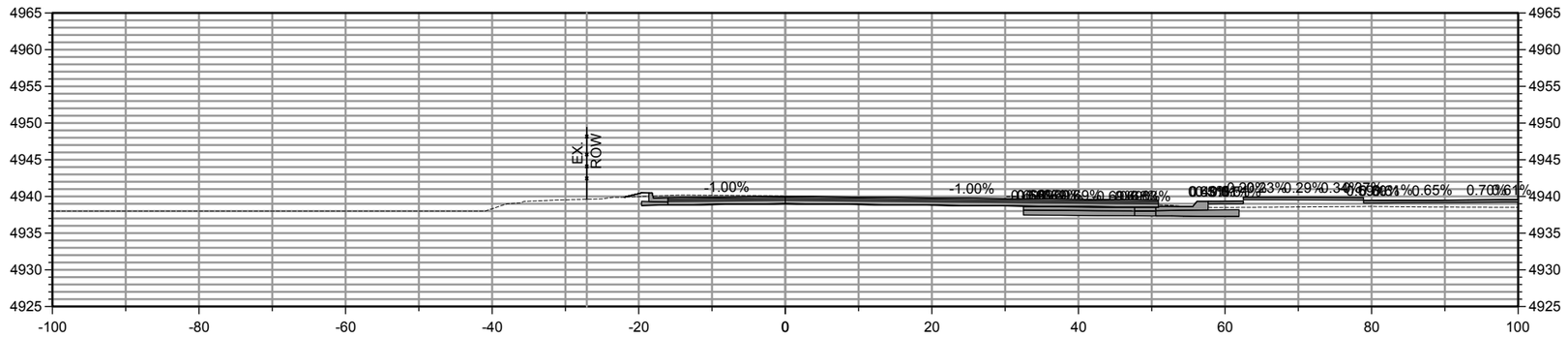
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:49pm Jordan.Thompson11



STA. 209+00



STA. 208+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

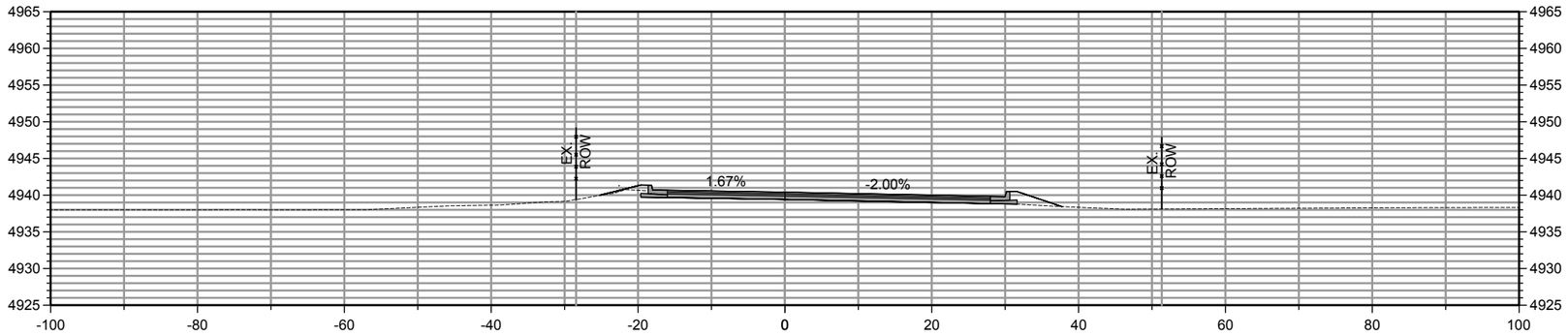
SHEET 13-34 OF

DESIGNED BY:

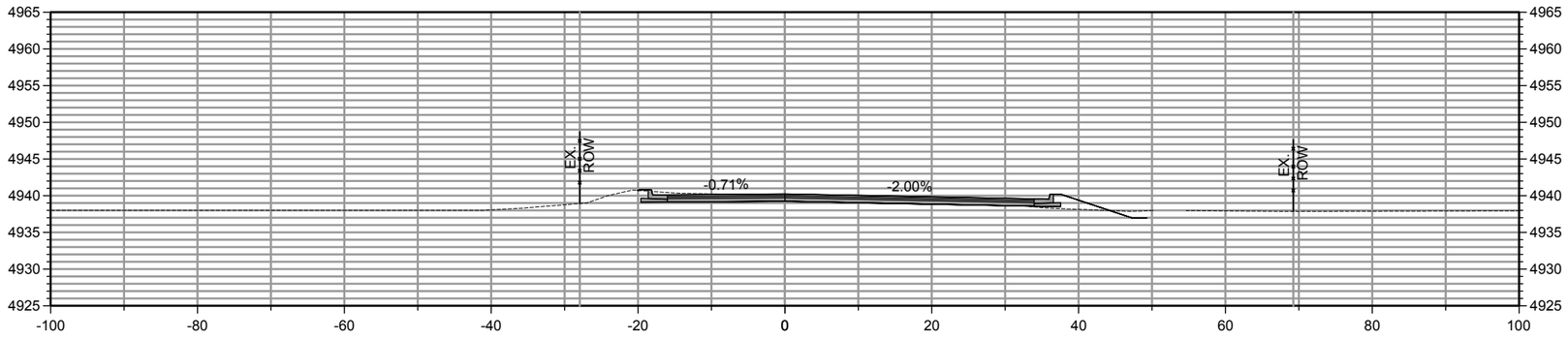
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:49pm Jordan.Thompson11



STA. 210+00



STA. 209+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

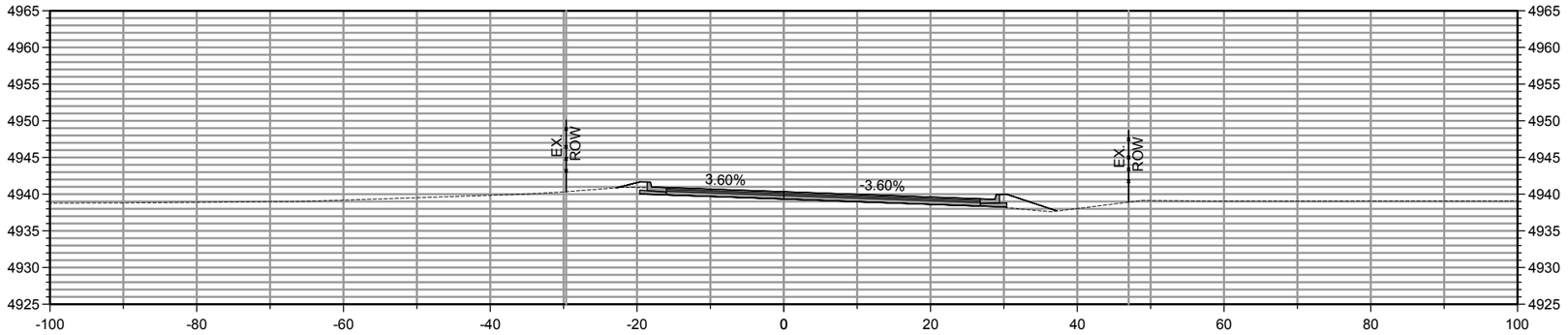
SHEET 13-35 OF

DESIGNED BY:

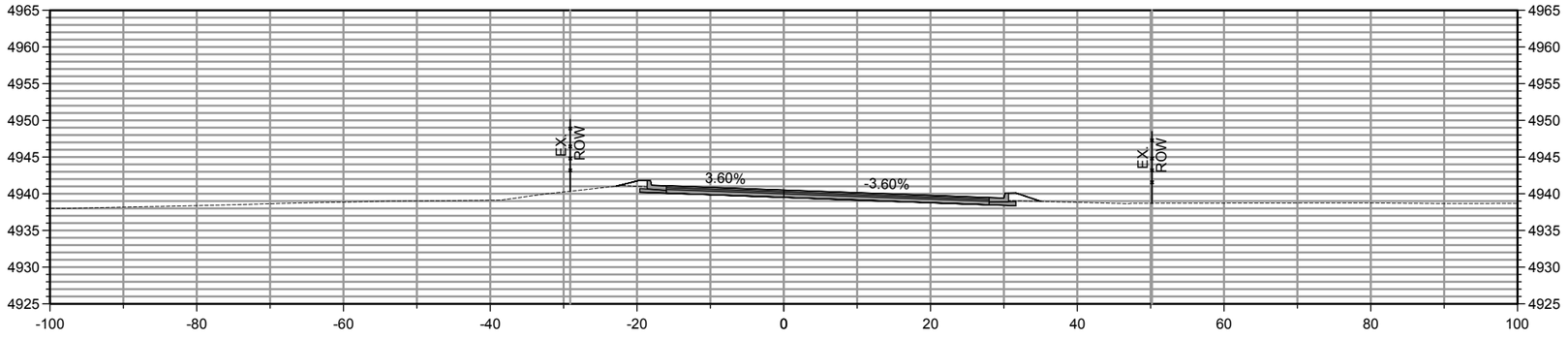
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:49pm Jordan.Thompson11



STA. 211+00



STA. 210+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

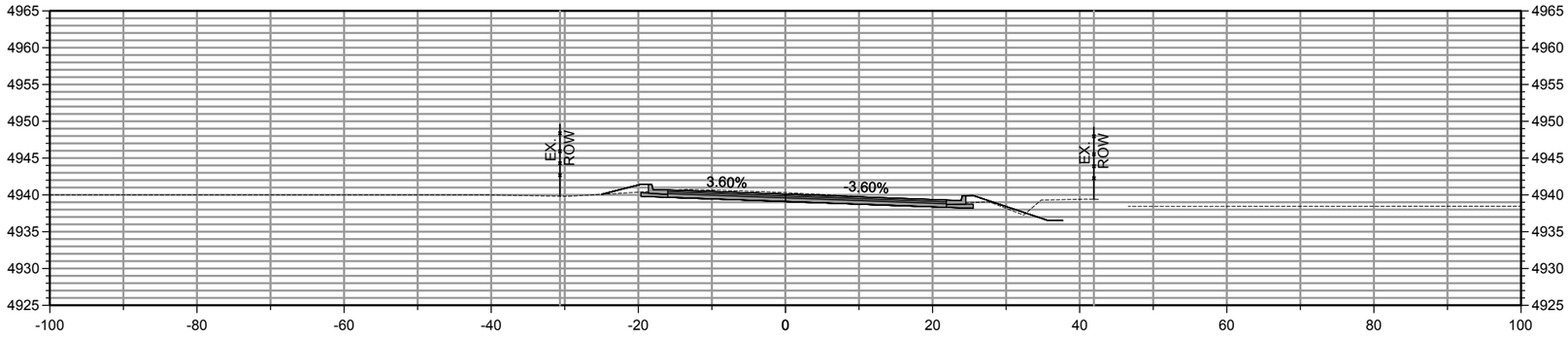
SHEET 13-36 OF

DESIGNED BY:

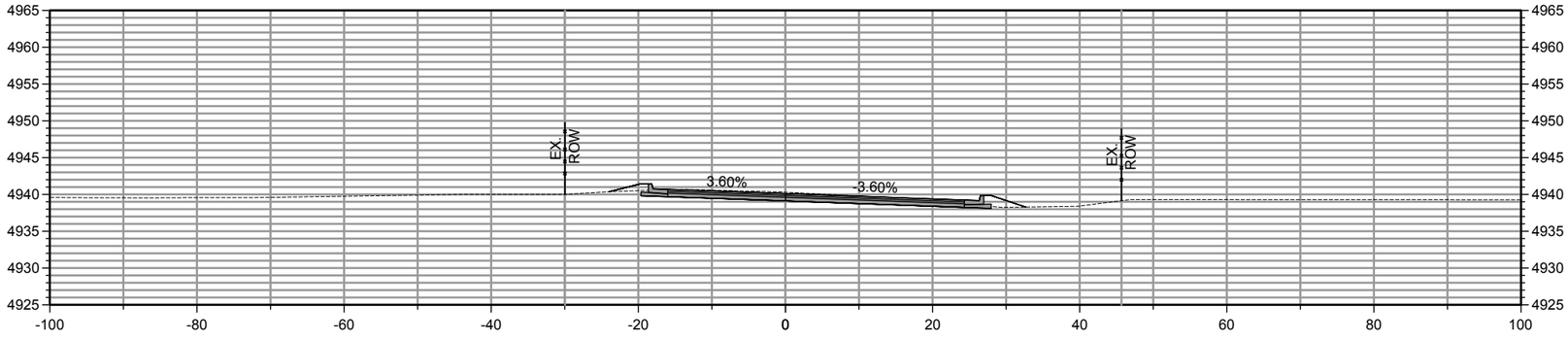
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:50pm Jordan.Thompson11



STA. 212+00



STA. 211+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

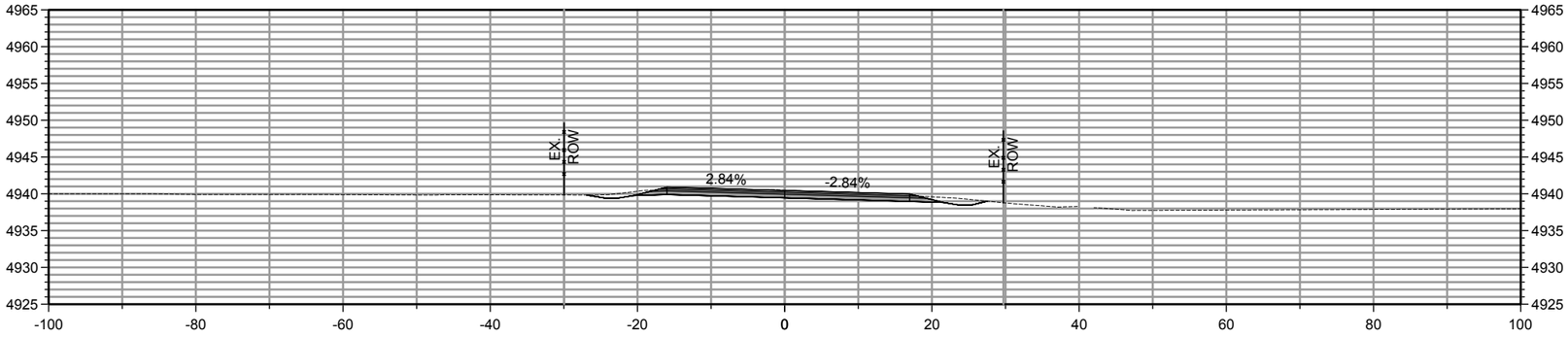
SHEET **13-37** OF

DESIGNED BY:

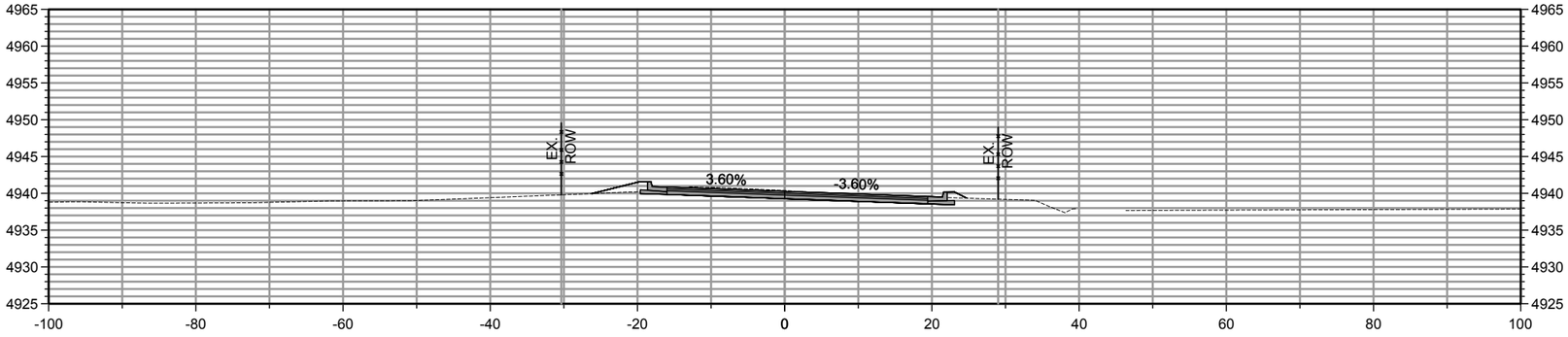
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:50pm Jordan.Thompson11



STA. 213+00



STA. 212+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

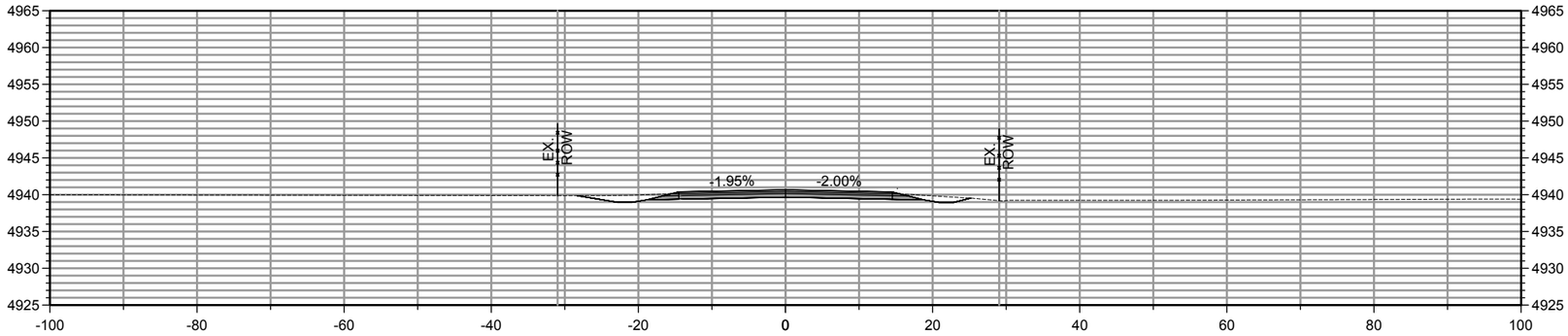
SHEET 13-38 OF

DESIGNED BY:

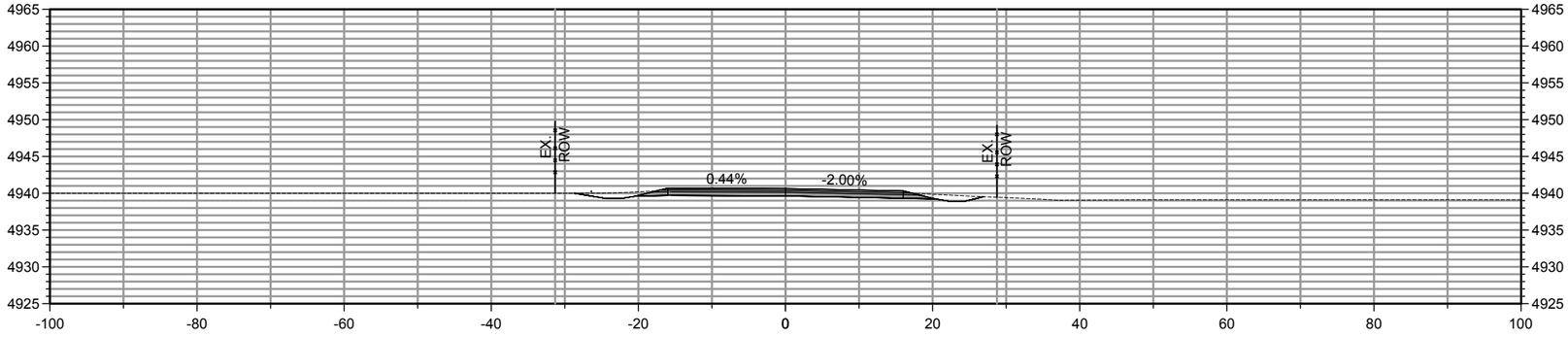
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:50pm Jordan.Thompson11



STA. 214+00



STA. 213+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
2ND ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

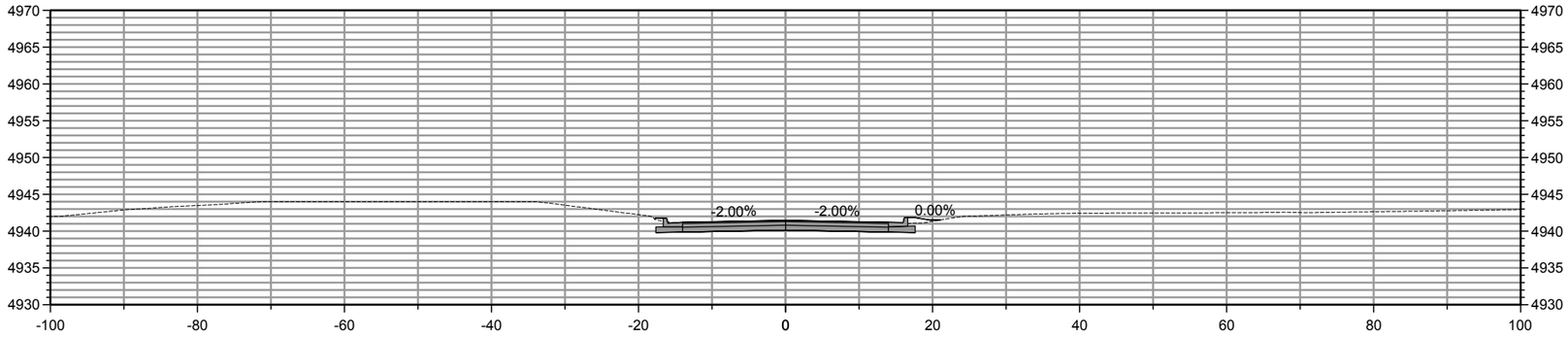
SHEET **13-39** OF

DESIGNED BY:

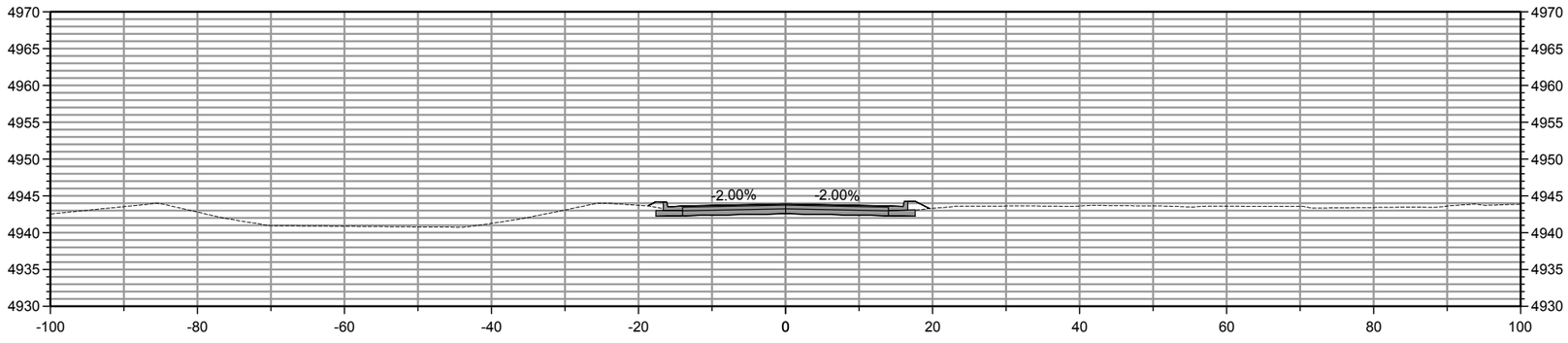
DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_na\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:50pm Jordan.Thompson11



STA. 301+00



STA. 300+50

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
ROADWAY CROSS SECTIONS
WILLIAM ST

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 13-40 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

60572657 C:\pwworking\aecom_da16_no\jordan.thompson3@aecom.com\d0116072\Woodward XS.dwg PLOTTED: 7/24/19 - 4:54pm Jordan.Thompson11

BID ITEMS RELATED TO 16 SERIES

TRACK CONSTRUCTION (CONTRACTOR)				
BID ITEM NO.	SPEC.	DESCRIPTION	UNIT	QTY
690000	-	HIGHWAY/RAILWAY INTERSECTION	LS	1
690001	-	RAILWAY FLAGGING	ALLOW	1

SUMMARY OF QUANTITIES FOR BID ITEM 690000

TRACK CONSTRUCTION (CONTRACTOR)				
BID ITEM NO.	SPEC.	DESCRIPTION	UNIT	QTY
TR.001		MOBILIZATION / DEMOBILIZATION	LS	1
TR.002		REMOVE CROSSING PANELS	TF	132
TR.003		REMOVE TRACK	TF	457
TR.004		EXCAVATION	CY	597
TR.005		REMOVE ASPHALT	SF	567
TR.006		BALLAST	TON	490
TR.007		SUBBALLAST	CY	100
TR.008		6" PERFORATED DRAIN PIPE	LF	234
TR.009		6" PVC PIPE	LF	76
TR.010		CONSTRUCT 136 LB CWR TRACK. WOOD TIES (INCLUDES RAIL, TIES, & OTM)	TF	457
TR.011		PRECAST CONCRETE CROSSING PANELS (WITH F.W. FILLER)	TF	240
TR.012		PRECAST CONCRETE CROSSING PANELS (7° 30' CURVE)	TF	74
TR.013		METAL END RAMPS	EA	8
TR.014		FIELD WELDS	EA	32
TR.015		SURFACE AND LINE TRACK	TF	75
TR.016		ASPHALT - ROADWAY	SF	1,150
TR.017		ASPHALT - UNDERLAYMENT	CY	133
TR.018		CLEAN CRUSHED ROCK 1" MINUS	CY	25
TR.019		FILTER FABRIC	SY	215
TR.020		TRANSITION RAIL 136 - 110	EA	8

NOTE: ALL THE WORK FOR TRACK SIGNAL AND GATE REPLACEMENT IS SHOWN IN ANOTHER PLAN SET DONE BY THE CONTRACTOR OF NMRX.

RAILROAD CROSSING GENERAL NOTES

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION.
2. DISCREPANCIES FOUND IN ELEVATIONS, COORDINATES AND DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
3. THE CONTRACTOR SHALL NOTE THAT IN CASE OF DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE DRAWINGS, THE FIGURED DIMENSION SHALL GOVERN.
4. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK THAT WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO PERFORM SUCH WORK.
5. THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE AWAY FROM EXCAVATIONS AT ALL TIMES DURING THE WORK. THE CONTRACTOR SHALL MAINTAIN A CLEAN AND SAFE WORK SITE DURING THE PERFORMANCE OF THE WORK.
6. ALL WORK REQUIREMENTS SHOWN ON THESE DRAWINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. CONTRACTOR WILL CONDUCT THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPARTMENT OF LABOR PART 1926 AND SHALL COMPLY WITH FEDERAL RAILROAD ADMINISTRATION REGULATIONS AND ALL RAILROAD SAFETY REQUIREMENTS WHEN OCCUPYING OR WORKING WITHIN THE RAILROAD'S RIGHT-OF-WAY.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES AND PROTECT THEM FROM DAMAGE. THE LOCATION OF ALL AERIAL AND UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND SOME ITEMS MAY NOT BE INDICATED IN THE PLANS. UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT, WILL BE LOCATED AND FLAGGED BY THE UTILITIES AT THE REQUEST OF THE CONTRACTOR. THE CONTRACTOR SHALL NOT BEGIN EXCAVATION IN THE AREA OF UNDERGROUND UTILITIES UNTIL ALL SUCH UTILITIES HAVE BEEN LOCATED AND IDENTIFIED AND THEN ONLY WITH EXTREME CARE TO AVOID ANY POSSIBILITY OF DAMAGE TO THE UTILITY FACILITY. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF SAID UTILITIES DAMAGED BY OPERATION IN CONNECTION WITH EXECUTION OF THE WORK. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION EFFORTS WITH ALL OTHER LOCAL UTILITY COMPANIES PERTINENT TO EXECUTION OF THE WORK.
8. THE CONTRACTOR SHALL SUBMIT A PROPOSED CONSTRUCTION SCHEDULE TO THE OWNER FOR REVIEW. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH THE RAILROAD AND ALL APPROPRIATE AGENCIES WHO HAVE JURISDICTION. THIS SCHEDULE IS SUBJECT TO APPROVAL BY THE RAILROAD AND NO WORK SHALL BE STARTED UNTIL SAID APPROVAL IS GIVEN. ALL CONSTRUCTION ACTIVITY DURING THE COURSE OF THE CONTRACT IS SUBJECT TO CHANGE IF THE WORK CONFLICTS WITH THE RAILROAD OR OWNER OPERATIONS.
9. AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY AND AT THE EXPENSE OF THE CONTRACTOR TO A CONDITION EQUAL OR BETTER THAN EXISTING, AS APPROVED BY THE OWNER AUTHORIZED REPRESENTATIVE.
10. THE CONTRACTOR SHALL SUBMIT A PLAN FOR STORAGE, PARKING AND SERVICE AREA(S) TO THE OWNER FOR REVIEW AND APPROVAL. THE PLAN MUST BE SUBMITTED AND APPROVED PRIOR TO COMMENCING WORK.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE AGENCIES WHO HAVE JURISDICTION OVER THE AFFECTED ROUTE. THE HAUL ROUTE FOR EARTHWORK OPERATIONS SHALL BE LOCATED TO PREVENT INTERFERENCE WITH THE OWNER AND LOCAL COMMERCIAL OPERATIONS. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THE ORIGINAL CONDITIONS UPON COMPLETION OF BEING USED AS A HAUL ROUTE AT THE CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL NECESSARY PERMITS AND LICENSES AND SHALL COMPLY WITH ANY AND ALL FEDERAL, STATE AND LOCAL ORDINANCES, LAWS OR REGULATIONS APPLICABLE TO PERFORM THE WORK AND SHALL PROVIDE A COPY OF ALL PERMITS TO THE OWNER.
13. IN THE EVENT IT BECOMES NECESSARY, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY SHORING, BRACING AND/OR FALSEWORK REQUIRED TO SUPPORT AND PROTECT ALL ITEMS AFFECTED BY THE WORK. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER DETAILS, DESIGN AND PROCEDURE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE WORK IS BEING PERFORMED FOR ALL TEMPORARY SHORING, BRACING AND/OR FALSEWORK. SAFETY RAILING SHALL BE PROVIDED AT THE TOP OF THE TEMPORARY SHORING, AS REQUIRED BY OSHA. WHEN THE CONTRACTOR IS NOT WORKING IN THE EXCAVATED AREA, THE AREA SHALL BE ADEQUATELY BARRICADED BY THE CONTRACTOR.
14. ALL BARRICADES, WARNING SIGNS, LIGHTS, DEVICES, ETC. FOR THE GUIDANCE AND PROTECTION OF TRAFFIC AND PEDESTRIANS MUST CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE OWNER ACCEPTED PRACTICES.
15. ANY MATERIALS TO BE REMOVED FROM THE SITE FOR DISPOSAL SHALL BE HAULED OFF THE SITE AND DISPOSED OF PROPERLY.
16. ALL QUANTITIES SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL NOT RELY SOLELY ON THESE ESTIMATES AND SHALL USE HIS OWN ESTIMATES OF MATERIAL QUANTITIES FOR BIDDING.
17. PRIOR TO PLACING CURBS, PAVEMENTS, BASE, SUBBASE, TRACK, ETC., ALL UNDERGROUND UTILITIES SHALL BE INSTALLED, BACKFILL COMPACTED, AND THE ENGINEER NOTIFIED BY EACH OF THE UTILITY COMPANIES HAVING FACILITIES WITHIN THE WORK AREA, THAT THE INSTALLATION HAS SATISFACTORILY PASSED ACCEPTANCE TESTS.
18. REMOVED CROSSING PANELS ARE PROPERTY OF CONTRACTOR.
19. STATION SHOWN FOR THE TRANSITION RAIL IS THE CENTER OF THE TRANSITION RAIL. EXISTING RAIL AND OTHER TRACK MATERIAL REMOVAL REQUIRED FOR TRANSITION RAIL INSTALLATION IS CONSIDERED INCIDENTAL TO THE TRANSITION RAIL INSTALLATION.
20. FLAGGING IS REQUIRED FOR ALL WORK ON THE TRACKS. A QUALIFIED FLAGMAN IS REQUIRED TO BE ON SITE FOR ALL WORK WITHIN 25' OF EXISTING TRACKS. CONTRACTOR SHALL NOTIFY PROJECT MANAGER AT LEAST 5 DAYS PRIOR TO INITIATING ANY TRACK WORK AND FLAGGER MUST BE SCHEDULED AND AVAILABLE.

RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.

LEGEND

- PROPOSED ℄ OF TRACK
- EXISTING ℄ OF TRACK
- SURFACE & LINE TRACK
- GRADING LIMITS
- ℄ OF PROPOSED ROAD
- NMRX RIGHT OF WAY
- RIGHT OF WAY
- SANITARY SEWER
- GAS
- TELEPHONE LINE
- FIBER OPTIC
- CABLE TV LINE
- SEWER
- OVERHEAD POWER
- UTILITY LINE
- PERFORATED PIPE
- EXISTING ASPHALT
- TRANSITION RAIL (XXX - XXX)

JAMES A. KOLLBAUM NEW MEXICO 14492 REGISTERED PROFESSIONAL ENGINEER 7-25-19

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

James Kollbaum

FINAL DESIGN PLANS

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
QUANTITY SHEET

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

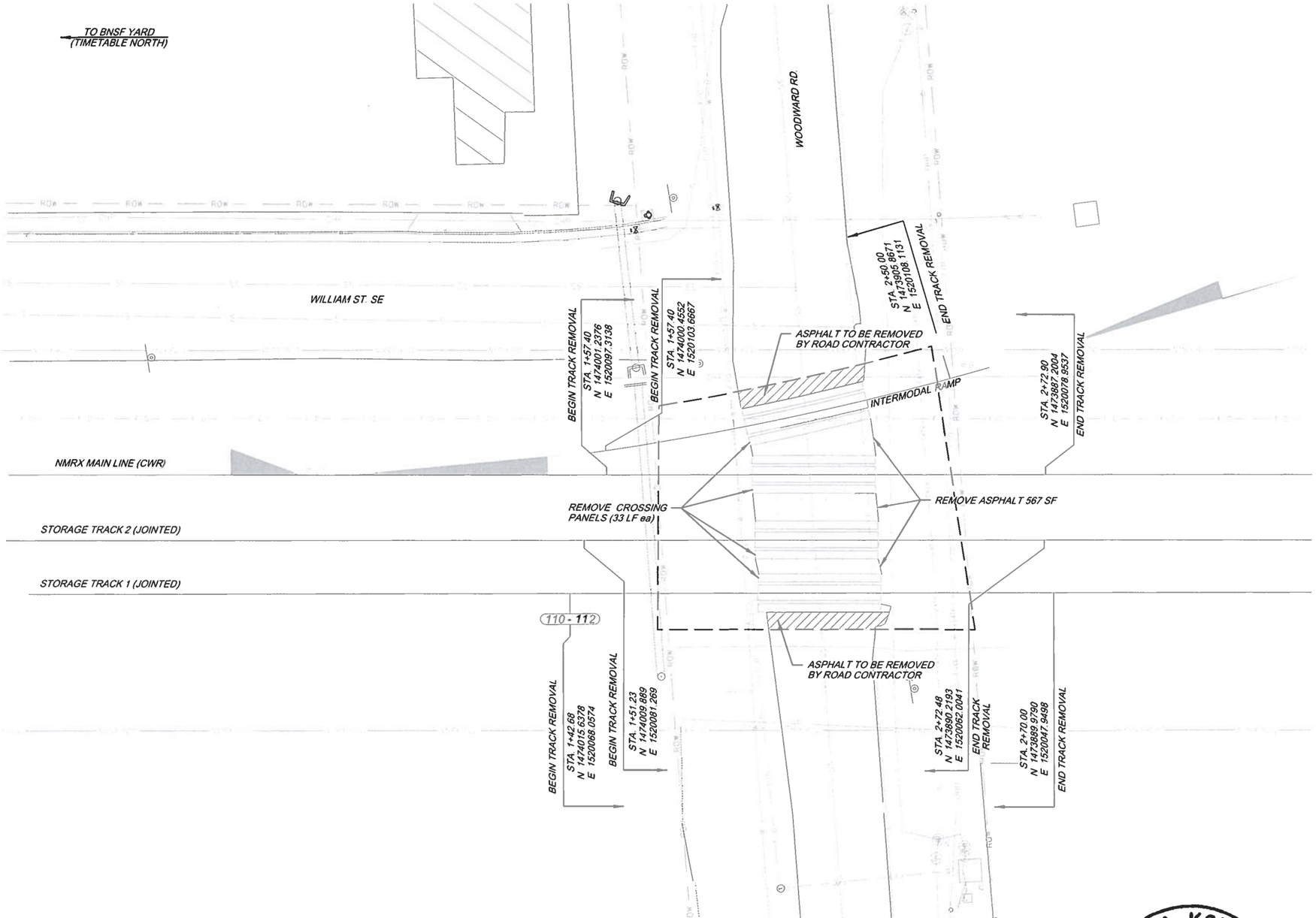
SHEET 16-1 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

Color table: \PLOT_TABLE\60572657.ctb
Pen table: \PLOT_TABLE\AECOM_DS15_NA\Documents 60572657-Woodward Design 300-CAD 2015\0_CAD\20_SHEETS\G_Series\A300161_G-1.dgn
File: pw: oecom-ne-pw.bentley.com:AECOM_DS15_NA\Documents 60572657-Woodward Design 300-CAD 2015\0_CAD\20_SHEETS\G_Series\A300161_G-1.dgn
Model: Model
Plot Driver: PDF Full
Plotted: 7/25/20 1:59:47 PM By: heather.vazquez



RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.

NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UNDERGROUND UTILITIES DURING REMOVAL OF TRACK AND EXCAVATION ACTIVITIES.

TRACK REMOVAL QUANTITIES	
TRACK	QUANTITY
STORAGE TRACK 1	127.70 T.F.
STORAGE TRACK 2	121.20 T.F.
NMRX MAIN LINE	115.50 T.F.
INTERMODAL RAMP	92.60 T.F.

TOTAL: 457.00 T.F.

JAMES A. KOLLBAUM
NEW MEXICO
14492
REGISTERED PROFESSIONAL ENGINEER
7-25-19

Plans approved by Development Review Committee and Albuquerque City Engineer on Sept 21, 2020.

FINAL DESIGN PLANS

REVISIONS			
NO	DATE	DESCRIPTION	
1			
2			
3			
4			
5			
6			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
REMOVAL PLAN

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 16-2 OF

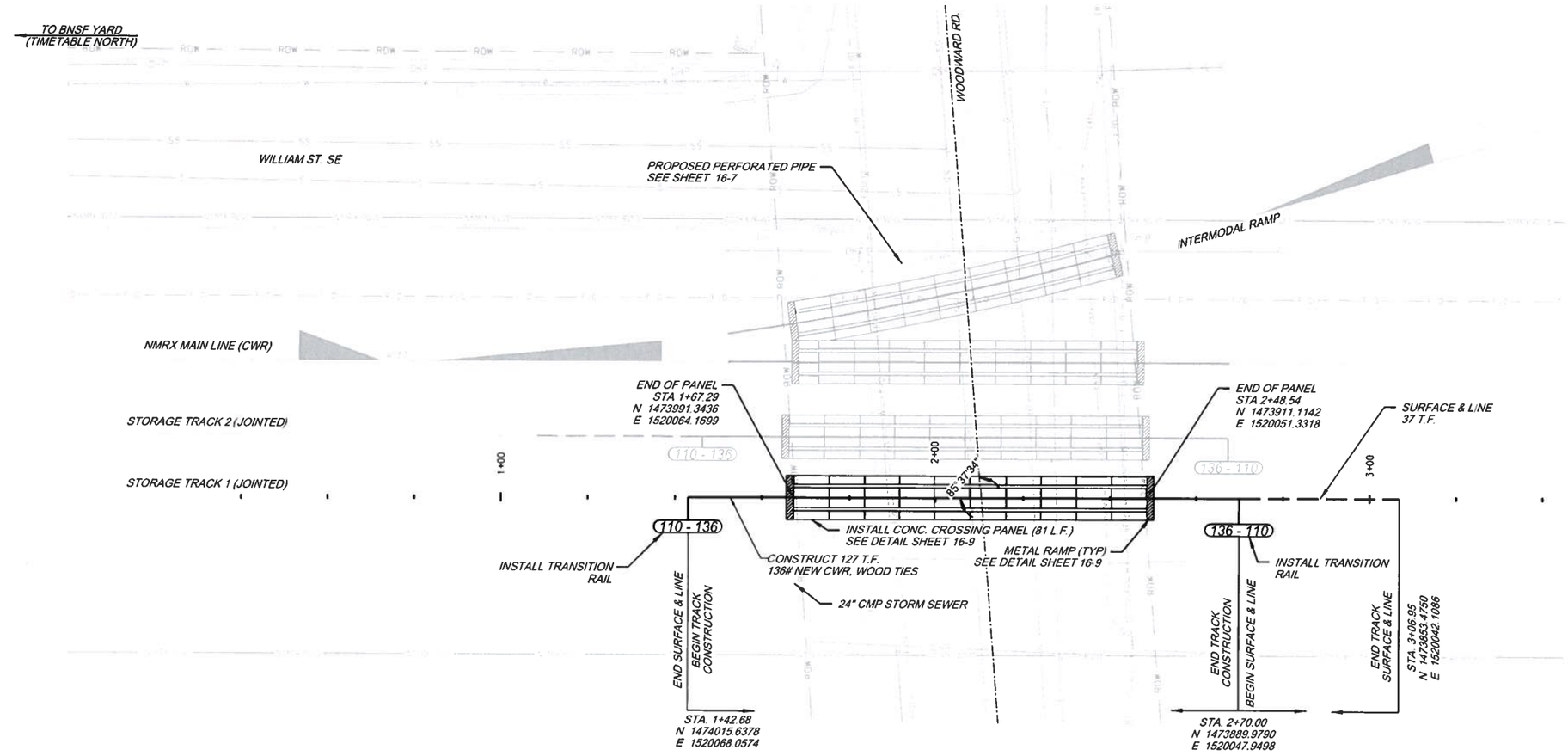
DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

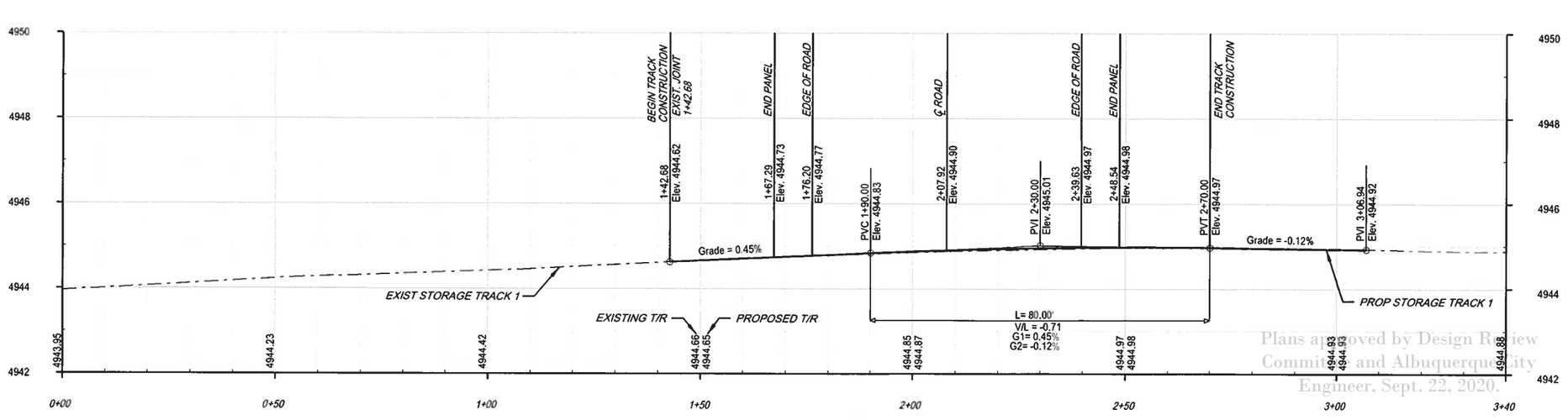
Color Table:
Plan Table: ...\PLOT_TABLE\60572657.tbl
File: P:\...\aecom-no-ow.tbl#s:\aecom\AECOM_GIS\6_WA\Documents\60572657-Woodward Design 903-CAD 3D\0_CAD\20 SHEETS\6_Sheets\A300161_16-2.dgn
Model: Model
Plot Time Centered: 7/25 2019 11:59:55 AM By: Heidi.racanelli

TO BNSF YARD
(TIMETABLE NORTH)

TO KIRTLAND AFB
(TIMETABLE SOUTH)

RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.





STORAGE TRACK 1 PROFILE

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

FINAL DESIGN PLANS

JAMES A. KOLLBAUM
NEW MEXICO
14492
7-25-19
REGISTERED PROFESSIONAL ENGINEER

James Kollbaum

15 0 15 30
SCALE IN FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
PLAN & PROFILE
STORAGE TRACK 1

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 16-3 OF

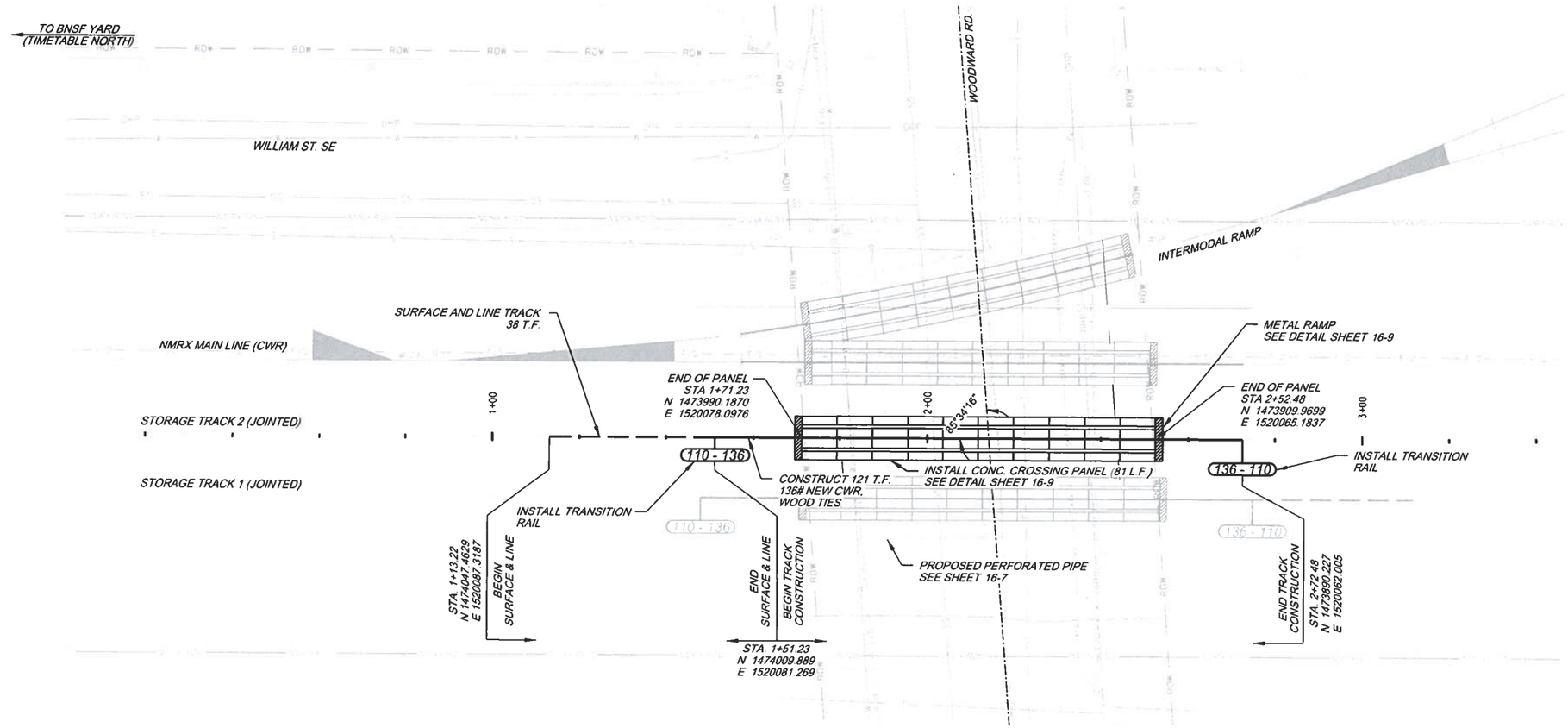
DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

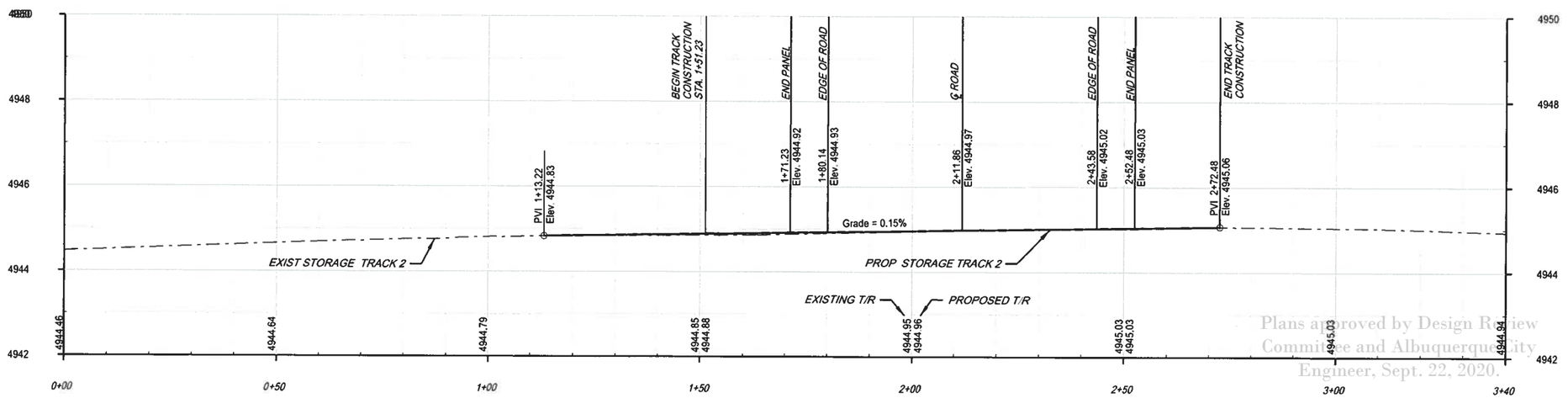
Color table:
Pen table: ...\PLOT_TABLE\C0572657.tbl
File: pw: \\aecom-nas-pw.ben\AECOM_Data_NA\Documents\C0572657-Woodward Design 303-CAD JS\16-2_CAD\25_3-HEETS\16_3-Strs 1420161_16-333.dgn
Model: Model Plot driver: PDF Mgr By: Hector.castano
Plot: 16 Centered, 7/25 2019 12:00:00 PM

TO BNSF YARD
(TIMETABLE NORTH)

TO KIRTLAND AFB
(TIMETABLE SOUTH)

RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.





STORAGE TRACK 2 PROFILE

FINAL DESIGN PLANS

15 0 15 30
SCALE IN FEET

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

WOODWARD ROAD IMPROVEMENTS
PLAN & PROFILE
STORAGE TRACK 2

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

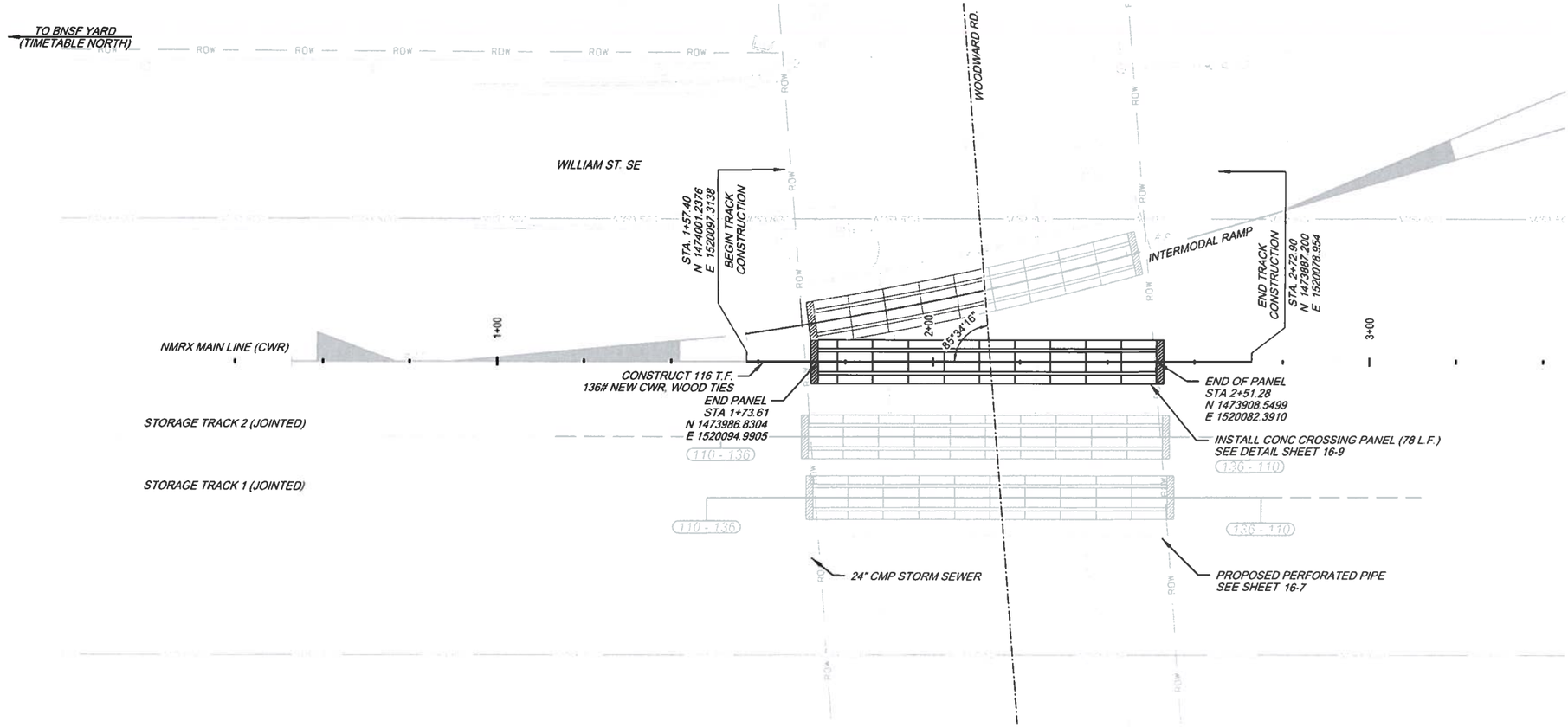
SHEET 16-4 OF

DESIGNED BY:

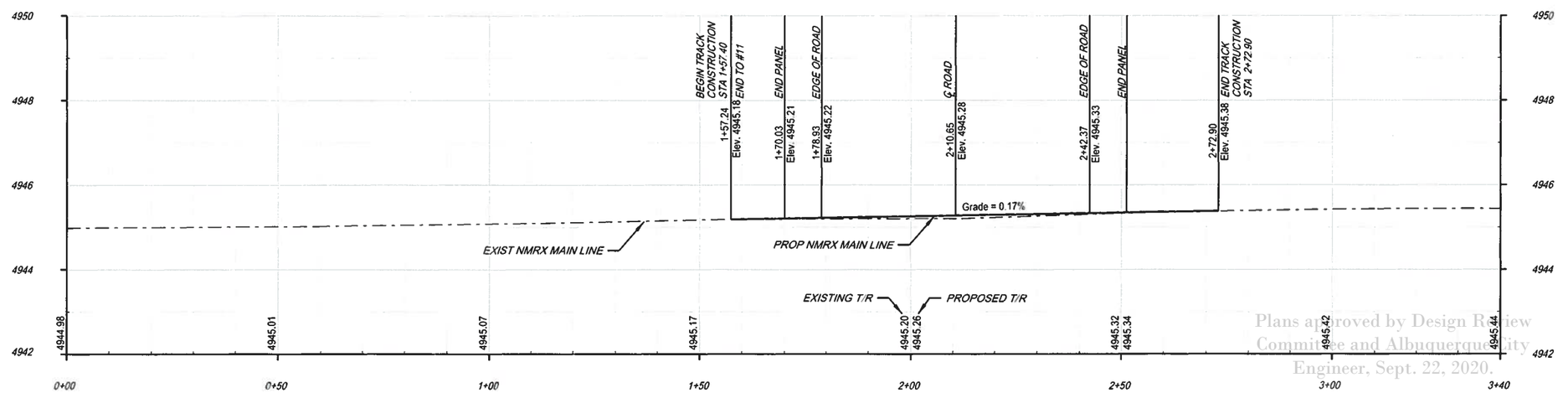
DRAWING SCALE:

NMDOT CN: A300161

Color Table: ...\PLOT_Table\60572657.tbl
Page Setup: ...\Autodesk\Vault Basic\Projects\ECOW_60572657_NM\Documents\Woodward Design\C60-CAD SHEETS\A300161_16-Series A300161_16-PLAN.dgn
File: D=\Vaecom-no-password\projects\ECOW_60572657_NM\Documents\Woodward Design\C60-CAD SHEETS\A300161_16-Series A300161_16-PLAN.dgn
Model: Model
Plot Time Cenerated: 7/25/2019 12:06:21 PM By: Heather Pascuzzo



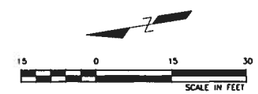
RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.



NMRX MAIN LINE PROFILE

FINAL DESIGN PLANS

JAMES A. KOLLBAUM
NEW MEXICO
14492
7-25-19
REGISTERED PROFESSIONAL ENGINEER



REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

WOODWARD ROAD IMPROVEMENTS
PLAN & PROFILE
NMRX MAIN LINE

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 16-5 OF

DESIGNED BY:

DRAWING SCALE:

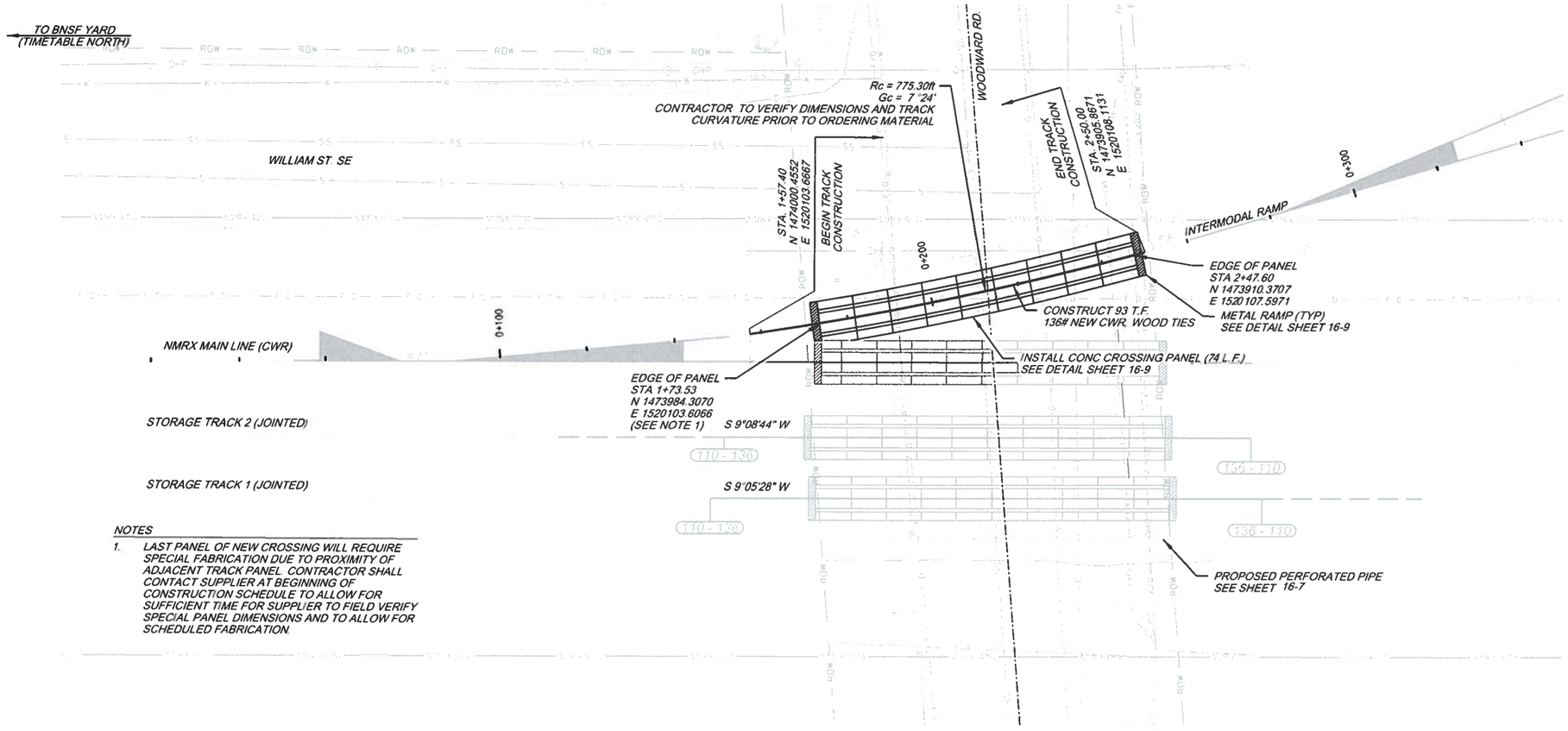
NMDOT CN: A300161

Color table: ...\PLOT_TABLE\60572657.tbl
Pen table: ...\PLOT_TABLE\60572657_NA.tbl
File: pw: aecom-nc-pw.bentley.com:ECOM_NSIF_NA\Documents\60572657\Woodward Design\200-CAD GIS 916_CAD 20_S-EEIS\16_Sheets\A300161_16-5NP.dgn
Model: Model Plot driver: PDF II.pltd
Plot file generated: 7/25/2019 12:00:52 PM By: hector.vazquez

TO BNSF YARD
(TIMETABLE NORTH)

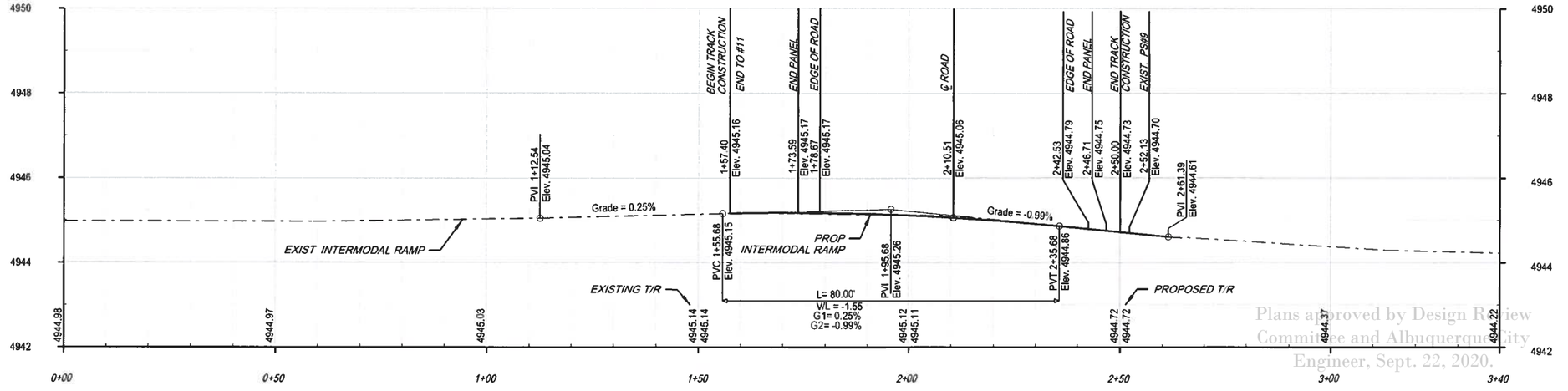
TO KIRTLAND AFB
(TIMETABLE SOUTH)

RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.



NOTES

1. LAST PANEL OF NEW CROSSING WILL REQUIRE SPECIAL FABRICATION DUE TO PROXIMITY OF ADJACENT TRACK PANEL. CONTRACTOR SHALL CONTACT SUPPLIER AT BEGINNING OF CONSTRUCTION SCHEDULE TO ALLOW FOR SUFFICIENT TIME FOR SUPPLIER TO FIELD VERIFY SPECIAL PANEL DIMENSIONS AND TO ALLOW FOR SCHEDULED FABRICATION.



INTERMODAL RAMP PROFILE

Plans approved by Design Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

FINAL DESIGN PLANS

JAMES A. KOLLBAUM
NEW MEXICO
14492
7-25-19
REGISTERED PROFESSIONAL ENGINEER

15 0 15 30
SCALE IN FEET

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com
AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
PLAN & PROFILE
INTERMODAL RAMP

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

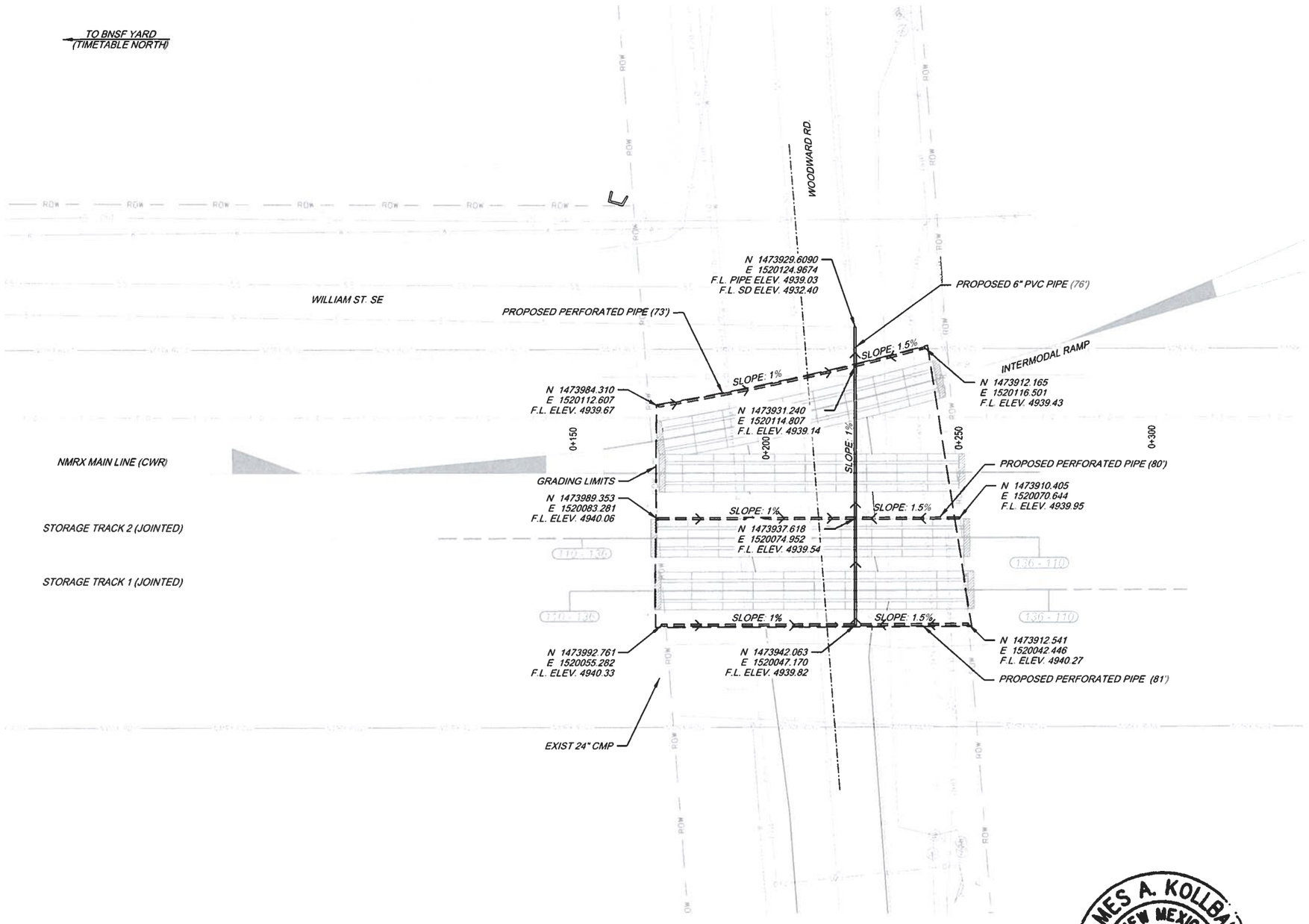
SHEET 16-6 OF

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

Color table:
Pen table: ...\PLOT_TABLE\V0572657.tbl
File: pw: \\aecom-no-ow.henkel.com\AECOM_0515_NA\Documents\V0572657-Proposed Design 90%-CAD DATA\90_CAD\20_SHEETS\6_Civil\1236(1)_16-ref.dgn
Model: Model
Plot style: PDF.tbl
Plot file Generated: 7/25 2019 12:00:45 PM
By: Henry.Casaus



RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.

15 0 15 30
SCALE IN FEET

JAMES A. KOLLBAUM
NEW MEXICO
14492
REGISTERED PROFESSIONAL ENGINEER
7-25-19

Plans approved by Development Review Committee and Albuquerque City Engineer, Sept. 22, 2020.

FINAL DESIGN PLANS

PEVISIONS	NO	DATE	DESCRIPTION
	6		
	5		
	4		
	3		
	2		
	1		

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
DRAINAGE PLAN

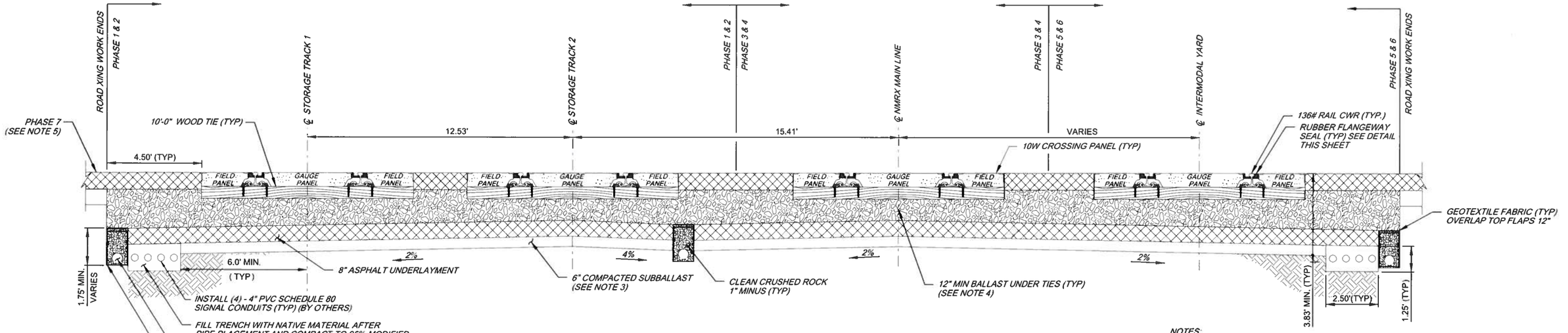
BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET 16-7 OF

DESIGNED BY:
DRAWING SCALE:
NMDOT CN: A300161

Color-table:
Pen-table: \PLOT_TABLE\V0572657.tbl
File: per: \\ecsinn-nas-bernlib.com\AECOM_DS15_NA\Documents\V0572657-Woodward Design 90%-CAD 30%\90_CAD\20 SHEETS\10_Series\A300161_IC-TEP.dgn
Model: * Model
Plot-Area: PDF Multi
Plot-Date: 7/25 2019 12:00:58 PM By: Heather.Hasenauer

RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.

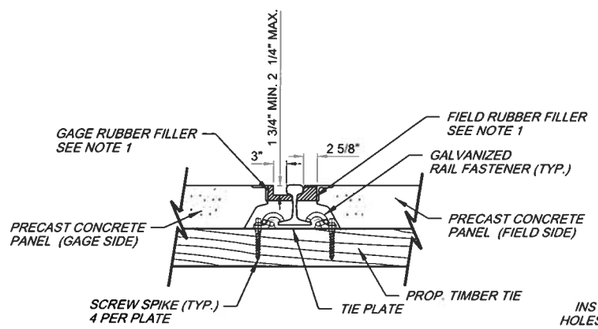


SECTION VIEW (CROSSING TYPE 4B) PREFABRICATED PANEL ON TIMBER TIES

LOOKING NORTH NOT TO SCALE

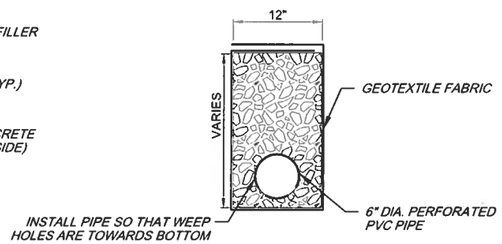
PHASING PLAN

PHASE	DESCRIPTION
1	REMOVE STORAGE TRACKS 1 AND 2
2	BUILD STORAGE TRACKS 1 AND 2
3	REMOVE NMRX MAIN LINE
4	INSTALL MAIN LINE
5	REMOVE INTERMODAL
6	BUILD INTERMODAL
7	LAY ROADWAY ASPHALT (NOT INCLUDED IN TRACK WORK)



RUBBER FLANGWAY DETAIL

NOT TO SCALE



PERF. PIPE DETAIL

NOT TO SCALE

NOTES:

1. RUBBER FLANGEWAY FILLER TO COME PRE-ATTACHED TO PRECAST CONCRETE CROSSING PANELS AND ADA COMPLIANT.
2. EXISTING CROSSING SHALL BE SCARIFIED AND RE-COMPACTED AND CROSSING DRAINAGE SYSTEM INSTALLED USING COMPACTED, WELL GRADED GRANULAR FILL; SUBBALLAST, GEOTEXTILE AND PERFORATED DRAINAGE PIPE INSTALLED PER DETAILS OF THIS DRAWING.
3. SUBBALLAST GRADATION SHALL BE SUFFICIENT TO PREVENT PENETRATION OF THE SUBBALLAST INTO THE SUBGRADE AND SHALL CONFORM TO AREMA MANUAL CHAPTER 1, SECTION 2.11.2.5.
4. BALLAST MATERIAL SHALL CONFORM TO THE AREMA STANDARD 4 GRADATION.
5. APPROACH ASPHALT ROADWAY PAVING IS TO BE INSTALLED BY THE ROAD CONTRACTOR USING STATE DOT HIGHWAY SPECIFICATIONS AND INSTALLED ACCORDINGLY. RECOMMEND ASPHALT BE INSTALLED WITH PAVER, MAXIMUM 3" LIFTS, AND LAID PARALLEL TO CROSSING TO MINIMIZE APPROACH SETTLEMENTS. ASPHALT SHALL BE 1/8" HIGHER THAN CROSSING PANELS. SEE ROADWAY SHEETS FOR DEPTH AND TRANSITION DETAILS.
6. FILTER FABRIC SHALL BE NONWOVEN GEOTEXTILE MEETING AASHTO M288-17 CLASS I SPECIFICATIONS. WEIGHT: 7.4OZ/SY, TENSILE STRENGTH: 180LBS.

REVISIONS			
	6		
	5		
	4		
	3		
	2		
	1		
	NO	DATE	DESCRIPTION

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO.: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TYPICAL CROSS SECTION / PHASING

JAMES A. KOLLBAUM NEW MEXICO 14492 REGISTERED PROFESSIONAL ENGINEER 7-25-19

Plans approved by Development Committee and Public Works Engineer, Sep...

FINAL DESIGN PLANS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

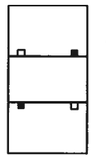
SHEET OF 16-8

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

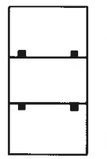
Color table: \PLOT_T48.CTB
Pen table: aecom-no-ole.tbl
File: per... aecom-no-ole.tbl
Model: Model Plot Time: 7/25 2019 12:01:02 By: Peter Jaquez
Plot By: Peter Jaquez



■ - DENOTES SPIKE FILLED HOLE

PLATE SPIKING PATTERN (TANGENT TRACK)

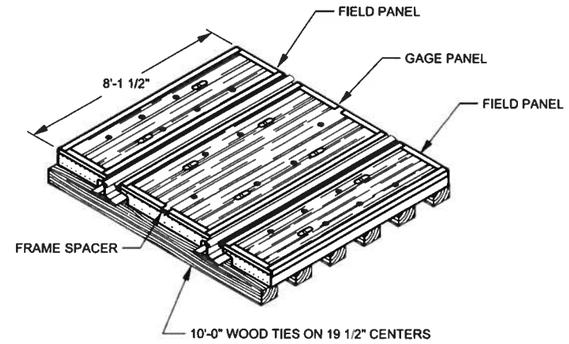
NOT TO SCALE



■ - DENOTES SPIKE FILLED HOLE

PLATE SPIKING PATTERN (CURVED TRACK RADIUS BTW 4° & 8°)

NOT TO SCALE



RAIL SIZE	PANEL HEIGHT	GAGE PANEL WEIGHT	FIELD PANEL WEIGHT
136	7 1/8"	2850 LBS.	1550 LBS.

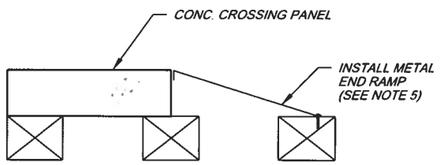
TYPICAL 10W CONCRETE CROSSING PANEL LAYOUT

NOT TO SCALE

RAILROAD GRADE CROSSING INSTALLATION NOTES

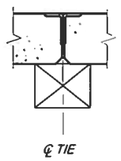
NOTES:

1. CROSSING PANEL SUPPORT THROUGH THE CROSSING MUST BE UNIFORM. CONCRETE TIE SPACING IS TO BE A MAXIMUM OF 24" CENTER TO CENTER. WOOD TIE SPACING TO BE MAXIMUM OF 19 1/2" CENTER TO CENTER. TIE SPACING MUST BE ADJUSTED TO SUPPORT THE ENDS OF THE PANELS
2. CROSSING SITE IS TO BE INSPECTED PRIOR TO START OF INSTALLATION TO DETERMINE THAT PROPER DRAINAGE AND SURFACE SUPPORT IS PROVIDED, TRACK GRADE IS UNIFORM AND EXISTING TIES ARE AT LEAST 10' LONG.
3. IF CONDITIONS WARRANT, SITE IS TO BE OVER-EXCAVATED AND CROSSING DRAINAGE SYSTEM INSTALLED USING COMPACTED, WELL GRADED GRANULAR FILL; SUBBALLAST, GEOTEXTILE AND PERFORATED DRAINAGE PIPE (IF REQUIRED) INSTALLED PER DETAILS OF THIS DRAWING.
4. ADDITIONAL SITE DRAINAGE INCLUDING PROPER DRAINAGE AT EACH QUADRANT OF CROSSING SHALL BE COMPLETED TO ENSURE CROSSING DRAINAGE.
5. PRECAST PANELS ARE TO BE HANDLED AND SUPPORTED AT SPECIFIED LIFTING INSERT LOCATIONS ONLY. LIFTING EQUIPMENT AND CONNECTION INSERTS ARE TO BE PROPERLY SIZED TO HANDLE THE LENGTH OF PANELS BEING INSTALLED. RING LIFTING DEVICES ARE AVAILABLE FROM COMPANY WAREHOUSE.
6. APPROACH ASPHALT ROADWAY PAVING IS TO MEET STATE DOT HIGHWAY SPECIFICATIONS AND INSTALLED ACCORDINGLY. ASPHALT IS TO BE INSTALLED WITH PAVER WITH MAXIMUM 3" LIFTS AND LAID PARALLEL TO CROSSING TO MINIMIZE APPROACH SETTLEMENTS.
7. GEOTEXTILE AND PIPE TO BE INSTALLED ONLY AT LOCATIONS WHERE REQUIRED BY STATE OR LOCAL AGENCIES OR WHERE DESIGNATED BY CHIEF ENGINEER.
8. GALVANIZED ELASTIC FASTENERS ARE TO BE USED WITHIN THE CROSSING AREA. PANDROL E-CLIPS TO BE USED ON WOOD TIE CROSSINGS AND SAFELOK CLIPS ON CONCRETE TIE CROSSINGS.
9. ALL RAIL JOINTS IN CROSSING AREA TO BE WELDED, DO NOT INSTALL BOLTED JOINT BARS.



PANEL END DETAIL

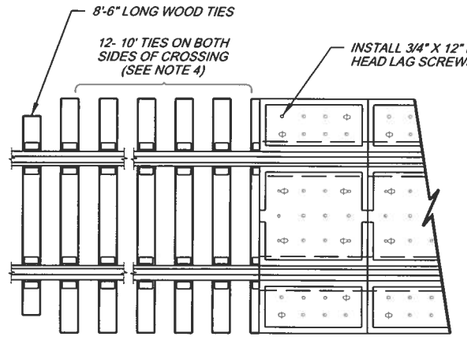
NOT TO SCALE



INTERIOR JOINTS BETWEEN PANELS MUST REST ON CENTER LINE OF TIE AS SHOWN.

PANEL JOINT DETAIL

NOT TO SCALE



PLAN VIEW OF PANEL ON TIMBER TIES

NOT TO SCALE

GENERAL NOTES:

1. ANCHORS SHALL BE APPROPRIATE FOR RAIL WEIGHT (136 LB/YD)
2. INSTALLATION OF ANCHORS SHALL FOLLOW MANUFACTURER'S INSTRUCTION AND ADHERE TO RECOMMENDED PRACTICES DESCRIBED IN AREMA CHAPTER 5 SECTION 7.2.
3. RAIL ANCHORS SHALL NOT BE PLACED:
   A. AT TIES WHICH SUPPORT RAIL JOINTS
   B. WHERE THEY WILL INTERFERE WITH BOND WIRE, BOOT LEGS, INSULATED JOINTS, OR OTHER SIGNAL OR TRACK APPLIANCES.
   C. WITHIN A MINIMUM OF 2" FROM THE EDGE OF ANY FIELD WELD TO PREVENT NICKS OR GOUGES WITHIN THE HEAT AFFECTED ZONE OF WELDS.
4. TRANSITION TIES SHALL NOT BE INSTALLED AT NMRX MAINLINE NORTH END OF CROSSING AND BOTH ENDS OF INTERMODAL RAMP CROSSING DUE TO EXISTING TURNOUT.
5. INSTALL FREE STANDING CROSSING END DEFLECTOR PLATE THAT MEETS BNSF GAUGE THICKNESS REQUIREMENTS

RAIL CROSSING RECONSTRUCTION SHOWN FOR INFORMATION ONLY. RAIL CROSSING WORK DONE BY OTHERS.

REVISIONS			
NO	DATE	DESCRIPTION	
6			
5			
4			
3			
2			
1			

AECOM TECHNICAL SERVICES, INC
6501 AMERICAS PKWY NE STE 900
ALBUQUERQUE, NM 87110
(505) 855-7500 www.aecom.com

AECOM PROJECT NO: 60572657

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

WOODWARD ROAD IMPROVEMENTS
TRACK DETAILS

JAMES A. KOLLBAUM
NEW MEXICO
14492
REGISTERED PROFESSIONAL ENGINEER
7-25-19

Plans approved by Development Review Committee and subject to Site Engineer, Signature Dated

FINAL DESIGN PLANS

BC PN: 2018-0070
ZONE ATLAS: M-14, M-15

SHEET OF
16-9

DESIGNED BY:

DRAWING SCALE:

NMDOT CN: A300161

Color Table:
Pen Table: ...\PLOT_TABLES\60572657.ctb
File: pw://aecom-nc-nas.bentley.com:AECOM_DS15_NA\Documents\60572657-Wayseeds Design 30%-CAD 2015\9_C4D\2_SHEETS\16_Series\A300161_16-09.dgn
Model: Model
Plot Style: PDF Full.ctb
Plot Date/Time Generated: 7/25 2019 12:01:14 PM By: taylor.rosser