



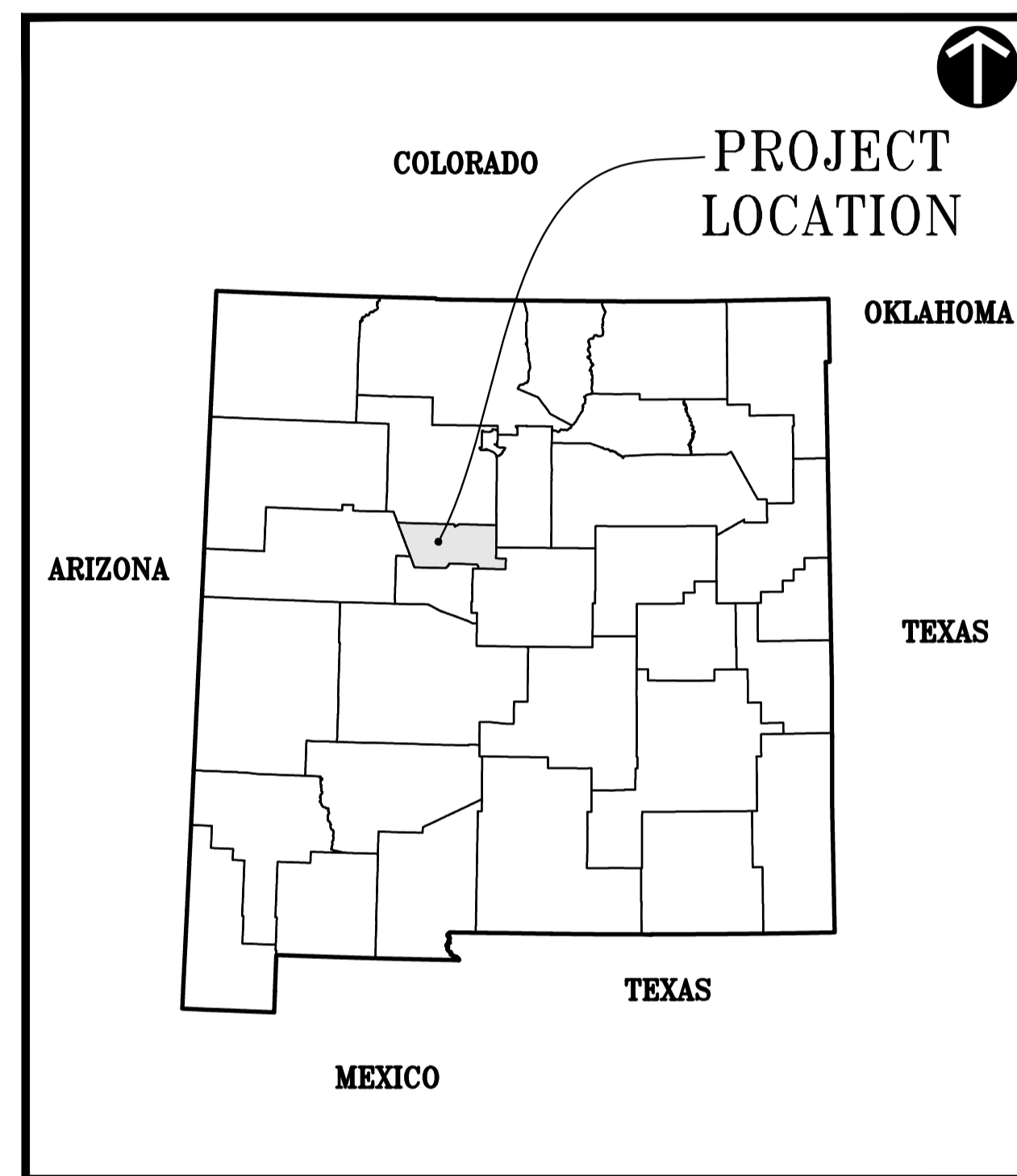
DEPARTMENT OF VETERANS AFFAIRS

ALBUQUERQUE NATIONAL CEMETERY

BERNALILLO COUNTY, NEW MEXICO ROAD IMPROVEMENT PLANS

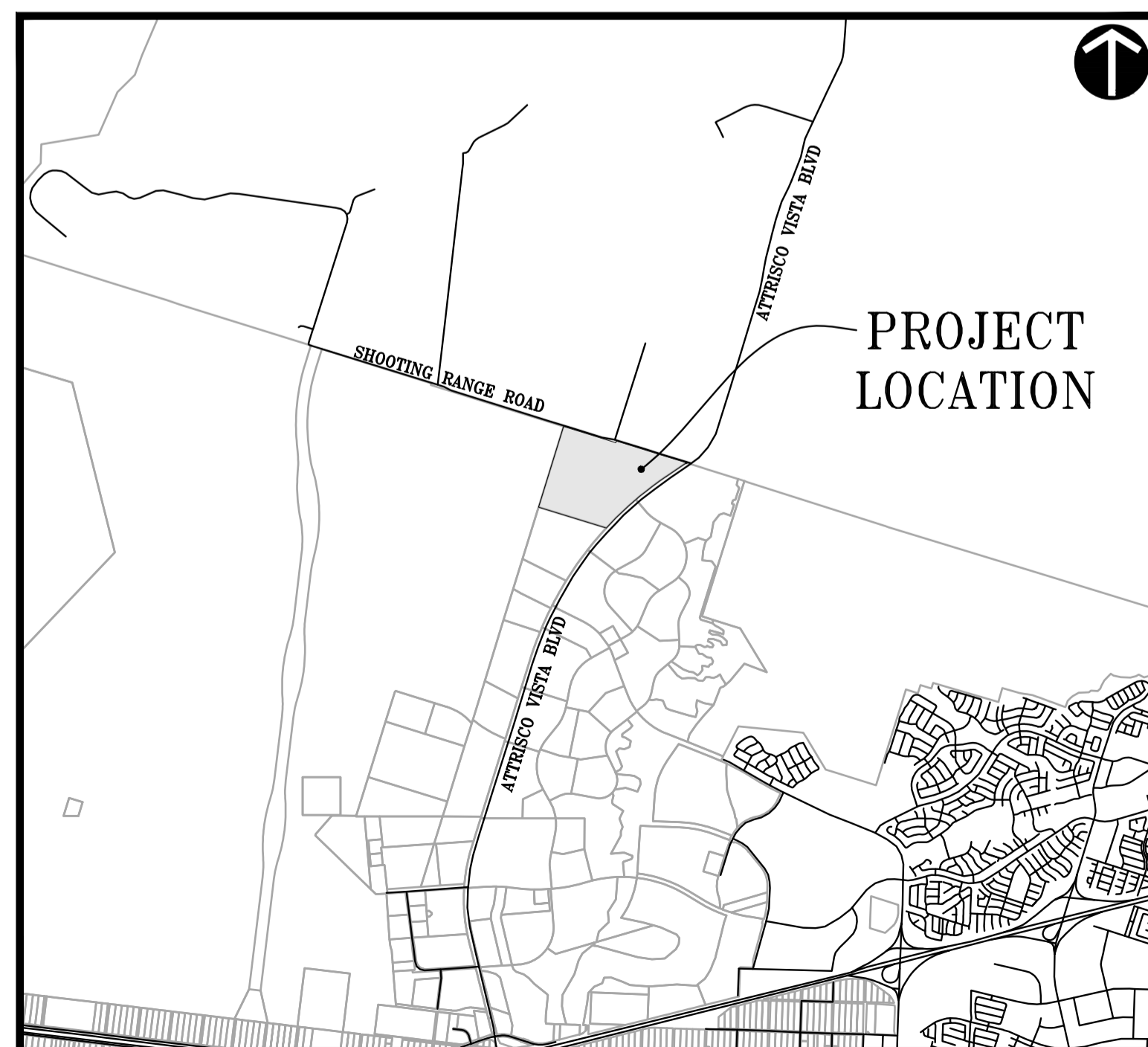
VICINITY MAP

NTS



LOCATION MAP

SCALE: 1"=5,000'



SHEET NUMBER		SHEET TITLE
1	CT001	ROAD IMPROVEMENT PLANS COVER SHEET
2	CT002	ROAD IMPROVEMENT PLANS GENERAL NOTES
3	CT100	ROAD IMPROVEMENTS OVERALL SITE KEY MAP
4	CS138	FUTURE ATRISCO VISTA BOULEVARD ROAD IMPROVEMENT PLANS
5	CS139	FUTURE ATRISCO VISTA BOULEVARD ROAD IMPROVEMENT PLANS
6	CS140	FUTURE ATRISCO VISTA BOULEVARD ROAD IMPROVEMENT PLANS
7	CS141	FUTURE ATRISCO VISTA BOULEVARD ROAD IMPROVEMENT PLANS
8	CS142	FUTURE ATRISCO VISTA BOULEVARD ROAD IMPROVEMENT PLANS
9	CS143	SHOOTING RANGE ROAD ENTRANCE PLANS
10	CG138	FUTURE ATRISCO VISTA BOULEVARD ROAD GRADING PLANS
11	CG139	FUTURE ATRISCO VISTA BOULEVARD ROAD GRADING PLANS
12	CG140	FUTURE ATRISCO VISTA BOULEVARD ROAD GRADING PLANS
13	CG141	FUTURE ATRISCO VISTA BOULEVARD ROAD GRADING PLANS
14	CG142	FUTURE ATRISCO VISTA BOULEVARD ROAD GRADING PLANS
15	CG143	SHOOTING RANGE ROAD GRADING PLANS
16	CU271	FUTURE ATRISCO VISTA BLVD CULVERT PROFILE AND COMPS
17	CU272	FUTURE ATRISCO VISTA BLVD CULVERT PROFILE AND COMPS
18	CU273	SHOOTING RANGE RD CULVERT PROFILES AND COMPUTATIONS
19	CT152	ROAD IMPROVEMENTS TEMPORARY TRAFFIC CONTROL
20	CT501	ROAD IMPROVEMENT AND ENTRANCE PLAN DETAILS
21	CT502	ROAD IMPROVEMENT AND ENTRANCE PLAN DETAILS
22	CT503	ROAD IMPROVEMENT AND ENTRANCE PLAN DETAILS
23	CT504	ROAD IMPROVEMENT AND ENTRANCE PLAN DETAILS
ATTACHMENTS		
ATRISCO VISTA AND I-40 WESTBOUND TRAFFIC CONTROL PLAN		
ATRISCO VISTA AND I-40 WESTBOUND TRAFFIC SIGNAL DETECTION PLANS		
TOPOGRAPHIC SURVEY		
PLAT OF UPPER PETROGLYPHS II TRACTS 1 THRU 47		

BERNALILLO COUNTY PUBLIC WORKS PWCO2024-0051:
APPROVED FOR CONSTRUCTION

SIGNATURE

DATE

CITY OF ALBUQUERQUE NOTE:
GRADING OUTSIDE OF THE THE RIGHT OF WAY IS NOT PART OF THE CITY OF ALBUQUERQUE'S WORK ORDER.



CALL NM ONE-CALL SYSTEM SEVEN (7) DAYS PRIOR TO ANY EXCAVATION

ENGINEER STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****	
	DRC CHAIRPERSON			APPROVED FOR CONSTRUCTION	
	TRANSPORTATION				
	WATER/WASTEWATER				
	HYDROLOGY				
	PARKS				
	CONST. MGMT.				
CONST. COORD.				CITY ENGINEER	DATE
CITY PROJECT NO.	657499				

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RYAN P. PERKS
NEW MEXICO
29815
9/15/25
PROFESSIONAL ENGINEER

SEAL:

REVISIONS
1. 10/11/2024 - CITY COMMENTS
2. 11/13/2024 - CITY COMMENTS
3. 01/01/2025 - CITY AND COUNTY COMMENTS
4. 02/27/2025 - CITY COMMENTS
5. 03/07/2025 - CITY COMMENTS
6. 08/29/2025 - CITY COMMENTS

ROAD IMPROVEMENT PLANS COVER SHEET

ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

SCALE:	HORIZ: N/A
	VERT: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CT001.DWG
NCS:	CT001
SHEET:	01 OF 23

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2020 EDITION, AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER (OR PROJECT MANAGER) NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4.
- EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL THEN EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND/OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. CONTRACTOR SHALL THEN COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED. ANY DAMAGE CAUSED BY FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY EXISTING UTILITIES IS THE FULL RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS BUILT" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- CONTRACTOR SHALL ASSUME FINANCIAL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, SIGNAGE, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED ON THE PLANS, AND SHALL REPAIR OR REPLACE, PER THE STANDARD SPECIFICATIONS, ANY SUCH DAMAGE.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY AND OTHER JURISDICTIONAL AUTHORITIES WHERE APPLICABLE.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS SHOWN. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ANY SUCH COSTS INCURRED.
- REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER & SEWER

- CONTRACTOR SHALL COMPLY WITH NEW MEXICO ONE-CALL LAW. IF AN UNDERGROUND FACILITY IS DAMAGED DURING CONSTRUCTION, STOP CONSTRUCTION, CALL 911 (IF APPROPRIATE), NOTIFY THE UNDERGROUND FACILITY OPERATOR (UFO) IMMEDIATELY, AND CALL 811 TO REPORT THE DAMAGE. DAMAGE MAY INCLUDE NICKS, DENTS, GOUGES, CUTS, SCRAPES OR SCRATCHES TO THE COATING, INSULATING JACKET, OR TRACER WIRE. FOR ABCWUA WATER AND SANITARY SEWER INFRASTRUCTURE, ALL EMERGENCY RESPONSES ARE INITIATED BY A CALL TO DISPATCH AT 842-9287. NOTE THAT THERE ARE SPECIFIC RESPONSE AND DOCUMENTATION REQUIREMENTS SHOULD A SANITARY SEWER FACILITY BE DAMAGED THAT RESULTS IN A SANITARY SEWER OVERFLOW (SSO).

TRANSPORTATION

- ANY STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH THERMO-PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
- 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.
- CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE LINE AND GRADE OF ABUTTING EXISTING AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
- THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
- CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
- AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-CUT EDGES SHALL BE STRAIGHT AND CLEAN, AND LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN WHEEL PATHS. PATCHES SHALL BE REGULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLOVER OF ASPHALT OR TACK COAT. CARE MUST BE TAKEN TO AVOID DAMAGING THE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENTS; IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.
- CONTRACTOR WILL ENSURE THE ASPHALT HAS A SMOOTH, UNIFORM EDGE WHEN REMOVING AND REPLACING CURB AND GUTTER. IF THE ASPHALT EDGE IS NOT SMOOTH AND UNIFORM, CONTRACTOR WILL SAW CUT AND REPLACE A ONE-FOOT STRIP OF ASPHALT ALONG THE FULL SECTION BEING REPLACED; REFER TO C.O.A. STANDARD DRAWING # 2465 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.

HYDROLOGY

- ALL STORM DRAINS SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED ON THE PLANS.
- RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATION. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AND WITH CITY APPROVAL.

OTHER COMMON NOTES

- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- WHEN DISTURBING MORE THAN ¼ ACRES, CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- IN ADVANCE OF CONSTRUCTION, CONTRACTOR SHALL DETERMINE IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.

- PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.
- CONTRACTOR IS TO SUPPORT, PROTECT, AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM SPACING OF FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS TO PREVENT ANY EXCAVATED MATERIAL BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- CONTRACTOR SHALL CONDUCT ALL WORK IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE ARRANGED BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR COSTS ASSOCIATED WITH OBTAINING A DISPOSAL SITE AND HAUL THERETO.
- IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER SHALL NOTIFY THE COUNTY OFFICE OF THE MEDICAL EXAMINER AT (505) 272-3053. IF THE MEDICAL EXAMINER DETERMINES THAT HUMAN REMAINS ARE NOT PRESENT, THE CONSTRUCTION ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT 827-6320.
- IF DISTURBING PCC PAVEMENT FOR ART LANES: CONTRACTOR SHALL CONTACT ABQ TRANSIT DEPARTMENT AT LEAST TWO WEEKS PRIOR TO DISTURBING THE PCC PAVEMENT ASSOCIATED WITH THE ART LANES. CONTACT INFO: ROLANDO SUAREZ, PH. 505.205.3444 (RSUAREZ@CABQ.GOV) OR SHAUN GIBSON, PH. 505.250.5269 (SGIBSON@CABQ.GOV).

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SEAL:

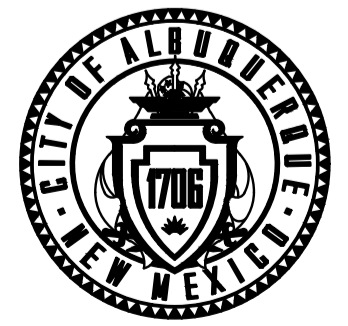
REVISIONS	
1. 10/11/2024 - CITY COMMENTS	
2. 11/13/2024 - CITY COMMENTS	
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4. 02/27/2025 - CITY COMMENTS	
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ROAD IMPROVEMENT PLANS GENERAL NOTES

ALBUQUERQUE NATIONAL CEMETERY

ALBUQUERQUE, NEW MEXICO

CITY OF ALBUQUERQUE NOTE:
GRADING OUTSIDE OF THE THE RIGHT OF WAY IS NOT PART OF THE CITY OF ALBUQUERQUE'S WORK ORDER.

	CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
	DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
		ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

SCALE:	HORIZ: N/A VERT: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CT001.DWG
NCS:	CT002
SHEET:	02 OF 23

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SHOOTING RANGE ROAD ENTRANCES
SEE SHEETS CS143 & CG143

TRACT S1A
(05/13/2008; 2008C-103)

TRACT S2
(12/21/2004; 2004C-396)

BENCHMARK 3_G6
3-1/4" ALUMINUM CAP
ELEV.=5788.91
N:1501289.83
E:1479828.41

SHOOTING RANGE ROAD (60' R/W)
N89°48'09"W (1909.89')
N89°47'58"W 1909.86'
N89°48'23"W (1494.44')
(869°47'55"E)
N89°47'56"W (1494.24')
N89°47'56"E (1042.78')
(1042.73')

SWM INFILTRATION BASIN
WATER QUALITY (INFILTRATION) WSE = 5793.00
10-YR. WSE = 5794.68
100-YR. WSE = 5796.78

S38°44'20"W
538.65'
PER PLAT OF UPPER PETROGLYPHS II
TRACTS 1 THRU 47
(DATED DECEMBER 2019)

FUTURE ATRISCO VISTA BOULEVARD
ROAD IMPROVEMENTS AND
ENTRANCE
SEE SHEETS CS138-CS142 & CG138-CG142

15' PUBLIC ACCESS EASEMENT PER PLAT OF
UPPER PETROGLYPHS II TRACTS 1 THRU 47
(DATED DECEMBER 2019) (D.B. 2020C, PG.16)

C2
PER PLAT OF UPPER PETROGLYPHS II
TRACTS 1 THRU 47
(DATED DECEMBER 2019)

53°41'16"1/4"W
BASIS OF
BEARINGS
N57°33'29"W
544.46'
PER PLAT OF UPPER PETROGLYPHS II
TRACTS 1 THRU 47
(DATED DECEMBER 2019)

CURVE TABLE						
CURVE #	RADIUS	ARC LENGTH	DELTA	CHORD LENGTH	CHORD BEARING	TANGENT
C2	12078.00	1322.01	661.666	1321.35	S35°36'12"W	661.67

- NOTES:**
- TOPOGRAPHIC INFORMATION IS BASED ON A TOPOGRAPHIC SURVEY BY COMMUNITY SCIENCES CORPORATION DATED NOVEMBER 8TH, 2023. THE HORIZONTAL DATUM IS REFERENCED TO NAD83 NEW MEXICO STATE PLANE CENTRAL ZONE. THE VERTICAL DATUM IS REFERENCED TO NAVD88.
 - BASIS OF BEARINGS IS THE LINE BETWEEN AGRS 2 G6 AND AGRS 3 G6 OF AS MEASURED WITH THE "TRIMBLE VRS NOW" GNSS VIRTUAL REFERENCE SYSTEM. BEARINGS ARE NEW MEXICO STATE PLANE BEARINGS, CENTRAL ZONE NAD 83. DISTANCES ARE GROUND DISTANCES. ELEVATION DATUM IS NAVD 88.
 - PROJECT BENCHMARK 2_G6
AGRS STATION '2_G6 1993'
FND 3-1/4" ALUMINUM CAP
(PROJECT CENTROID FOR SCALING GRID TO GROUND)
NM STATE PLANE COORDINATED NAD83 NMSP CENTRAL ZONE 3002:
N = 1498313.243 US FT
E = 1477800.218 US FT
ORTHO ELEVATION = 5804.888 US FT (NAVD 88)
COMBINED FACTOR = 0.999656626
(GROUND TO GRID)
PROJECT COORDINATES:
N = 1498313.293 US FT
E = 1477800.218 US FT
ELEVATION = 5804.91 US FT (NAVD 88)
 - PROJECT BENCHMARK 3_G6
AGRS STATION '3_G6 1993'
FND 3-1/4" ALUMINUM CAP
(PROJECT CENTROID FOR SCALING GRID TO GROUND)
NM STATE PLANE COORDINATED NAD83 NMSP CENTRAL ZONE 3002:
N = 1501288.844 US FT
E = 1479827.753 US FT
ORTHO ELEVATION = 5788.92 US FT (NAVD 88)
COMBINED FACTOR = 0.999656638
(GROUND TO GRID)
PROJECT COORDINATES:
N = 1501289.83 US FT
E = 1479828.41 US FT
ELEVATION = 5788.91 US FT (NAVD 88)

TRACT A-1-A-1 AND A-3-A-1 NORTHWEST TRACT WHICH HAS
YET TO BE FINALIZED AND RECORDED

TRACT A-1-A-4
(230.5098 AC.)

TRACT A-1-A-3
PLAT OF TRACTS A-1-A-1 THRU A-1-A-4 AND A-3-A-1 (12/20/2017;
2017C-151)

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SEAL:

NO.	DATE	REVISIONS
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ROAD IMPROVEMENTS OVERALL SITE KEY MAP
ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE: [] CITY ENGINEER APPROVAL: [] ZONE MAP NO. G-6
CITY PROJECT NO. 657499



CITY OF ALBUQUERQUE NOTE:
GRADING OUTSIDE OF THE THE RIGHT OF WAY IS NOT PART OF THE CITY OF
ALBUQUERQUE'S WORK ORDER.

SCALE: HORIZ.: 1" = 200'
VERT.: N/A

DATE: MAY 2024

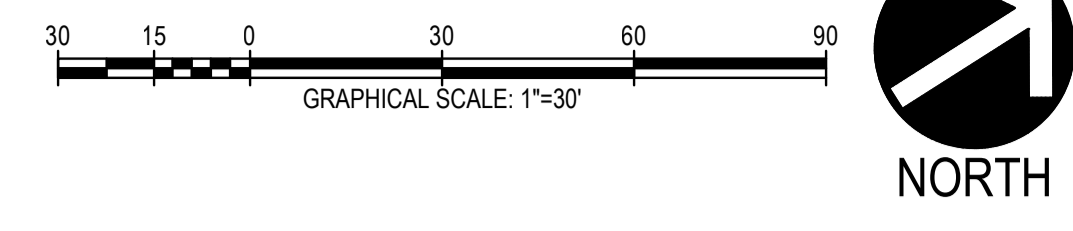
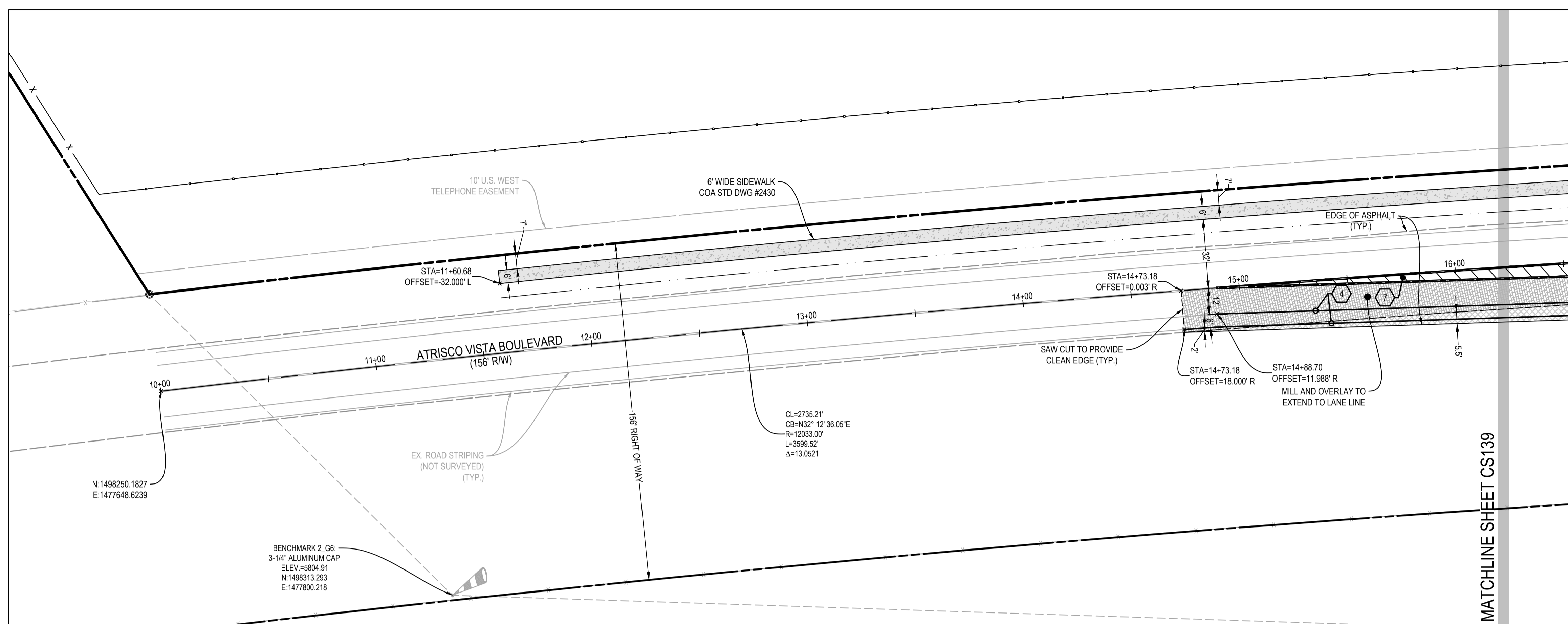
JOB: 5041-0101

DRAWN: CTW CHECK: BJS

CADD: CT100.DWG

NCS: CT100

SHEET: 03 OF 23



GRAPHIC LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION	DETAIL
	ATRISCO VISTA BLVD AND SHOOTING RANGE ROAD ASPHALT PAVEMENT	4 CT501
	MILLOVERLAY ASPHALT PAVEMENT	3 CT501
	CONCRETE SIDEWALK W/ ADA RAMP	9 CT501
	CURB AND GUTTER	5 CT501
	ROAD SIGN (TYP.)	6-8 CT501

STRIPING LEGEND: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
1	RETROREFLECTIVE PAVEMENT MARKINGS (TYP.)	2,3 CT502
2	4" SOLID WHITE RETROREFLECTIVE PAVEMENT STRIPING	
3	4" DASHED WHITE RETROREFLECTIVE PAVEMENT STRIPING (10' STRIPE, 30' GAP)	
4	6" SOLID WHITE RETROREFLECTIVE PAVEMENT STRIPING	
5	6" DASHED WHITE RETROREFLECTIVE PAVEMENT STRIPING (2' STRIPE, 4' GAP)	
6	4" SOLID DOUBLE YELLOW RETROREFLECTIVE PAVEMENT STRIPING	
7	CHEVRON STRIPE A	1 CT502
8	24" SOLID WHITE RETROREFLECTIVE STOP BAR	

SIGN LEGEND: NOT TO SCALE

KEY	SIGN FACE	DESCRIPTION
A		STOP SIGN (30"x30") R1-1
B		BIKE LANE (24"x18") R3-17
C		BEGIN RIGHT TURN LANE/YIELD TO BIKES (36"x30") R4-4
D		RIGHT LANE MUST TURN RIGHT (36"x36") R3-7R

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6.	08/29/2025 - CITY COMMENTS

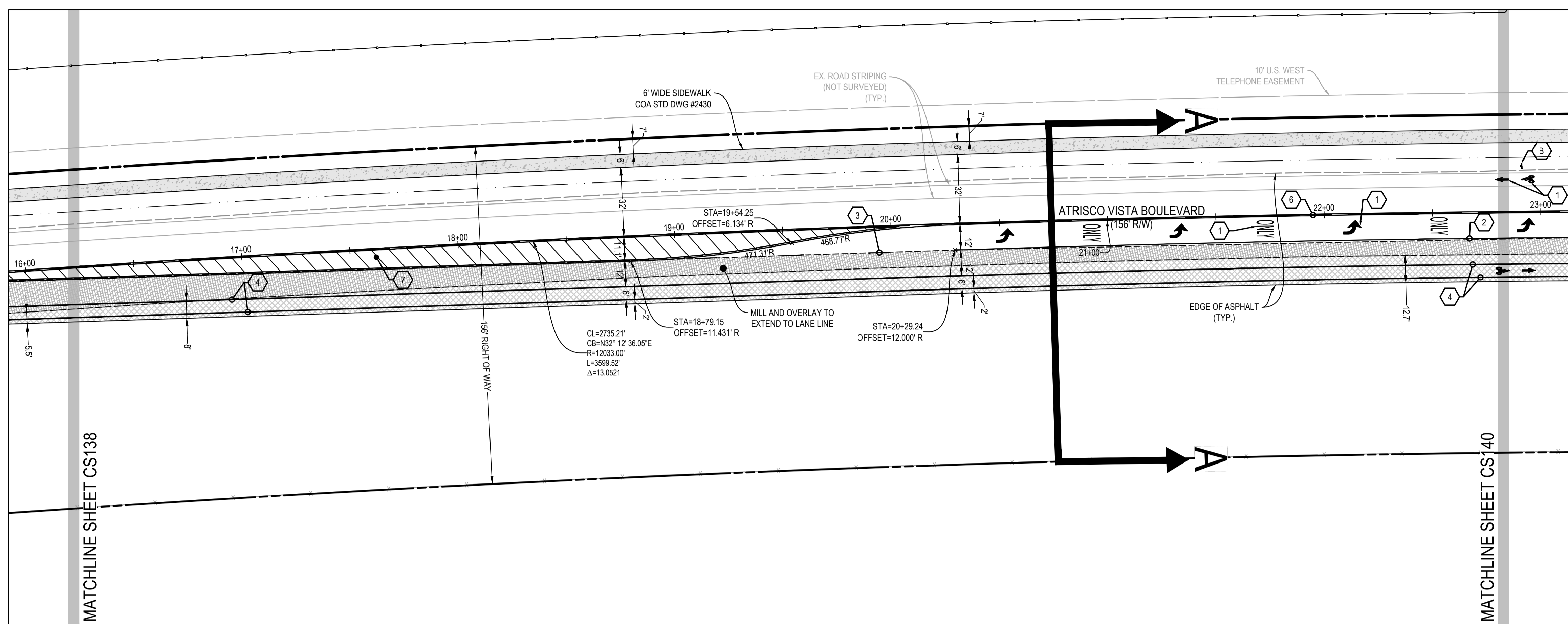
ATRISCO VISTA BOULEVARD ROAD IMPROVEMENT PLANS

ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

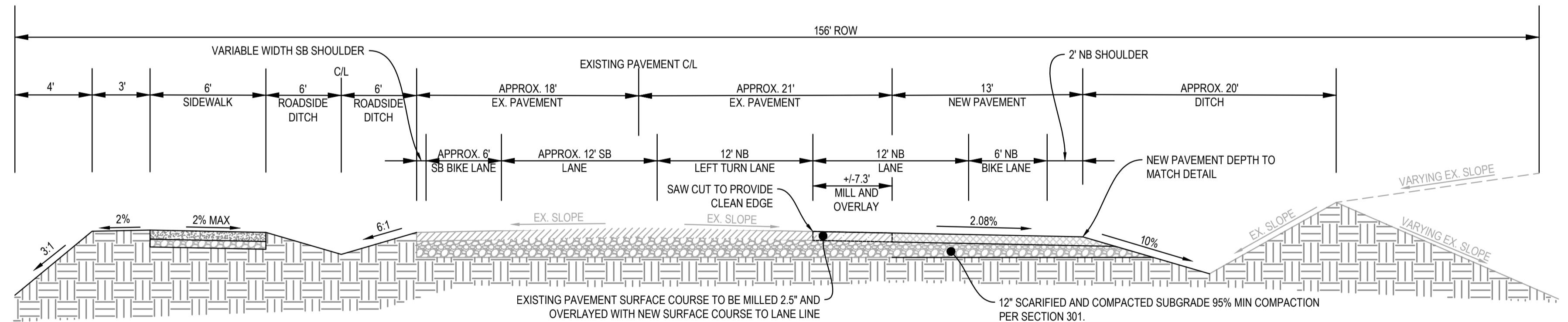
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

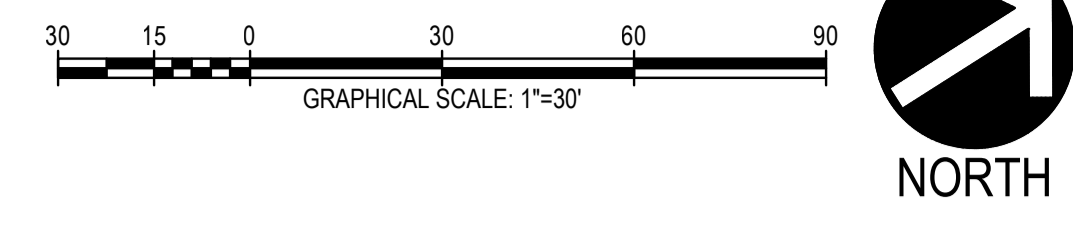
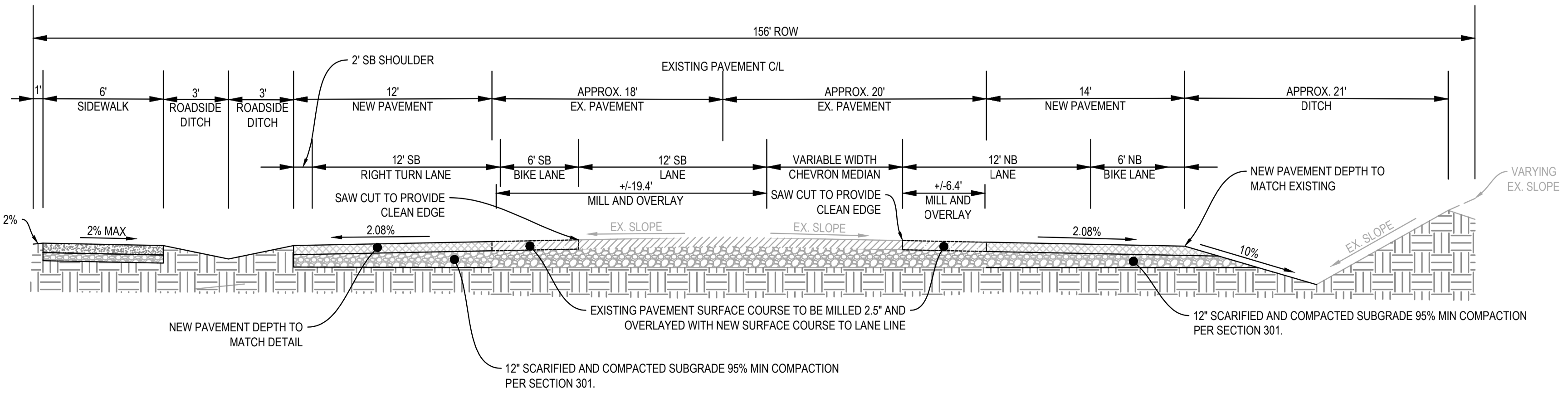
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	VERT.: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CT201.DWG
NCS:	CS138
SHEET:	04 OF 23



ATRISCO VISTA BOULEVARD
SECTION A-A
NOT TO SCALE



ATRISCO VISTA BOULEVARD
SECTION B-B (SEE SHEET CS140)
NOT TO SCALE



GRAPHIC LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION	DETAIL
[Pattern]	ATRISCO VISTA BLVD AND SHOOTING RANGE ROAD ASPHALT PAVEMENT	4 CT501
[Pattern]	MILLOVERLAY ASPHALT PAVEMENT	3 CT501
[Pattern]	CONCRETE SIDEWALK W/ ADA RAMP	9 CT501
[Pattern]	CURB AND GUTTER	5 CT501
[Symbol]	ROAD SIGN (TYP.)	6-8 CT501

STRIPING LEGEND: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
1	RETROREFLECTIVE PAVEMENT MARKINGS (TYP.)	2.3 CT502
2	4" SOLID WHITE RETROREFLECTIVE PAVEMENT STRIPING	
3	4" DASHED WHITE RETROREFLECTIVE PAVEMENT STRIPING (10' STRIPE, 30' GAP)	
4	6" SOLID WHITE RETROREFLECTIVE PAVEMENT STRIPING	
5	6" DASHED WHITE RETROREFLECTIVE PAVEMENT STRIPING (2' STRIPE, 4' GAP)	
6	4" SOLID DOUBLE YELLOW RETROREFLECTIVE PAVEMENT STRIPING	
7	CHEVRON STRIPE A	1 CT502
8	24" SOLID WHITE RETROREFLECTIVE STOP BAR	

SIGN LEGEND: NOT TO SCALE

KEY	SIGN FACE	DESCRIPTION
A		STOP SIGN (30"x30") R1-1
B		BIKE LANE (24"x18") R3-17
C		BEGIN RIGHT TURN LANE/YIELD TO BIKES (36"x30") R4-4
D		RIGHT LANE MUST TURN RIGHT (36"x36") R3-7R

CITY OF ALBUQUERQUE NOTE:
GRADING OUTSIDE OF THE THE RIGHT OF WAY IS NOT PART OF THE CITY OF ALBUQUERQUE'S WORK ORDER.

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1.	10/11/2024 - CITY COMMENTS
2.	11/13/2024 - CITY COMMENTS
3.	01/01/2025 - CITY AND COUNTY COMMENTS
4.	02/27/2025 - CITY COMMENTS
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6.	08/29/2025 - CITY COMMENTS

ATRISCO VISTA BOULEVARD ROAD IMPROVEMENT PLANS

ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

ZONE MAP NO.
G-6

CITY PROJECT NO.
657499

SCALE: HORIZ.: 1" = 30'
VERT.: N/A

DATE: MAY 2024

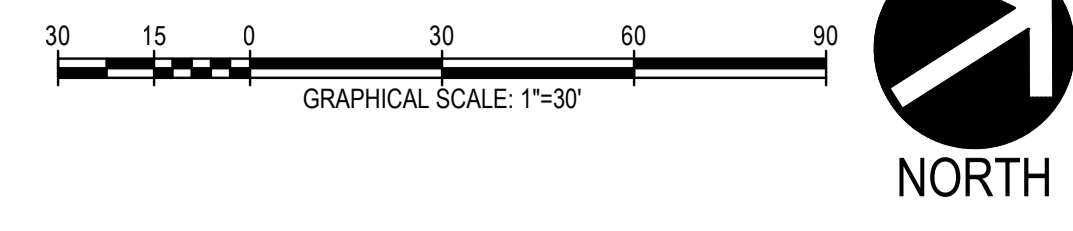
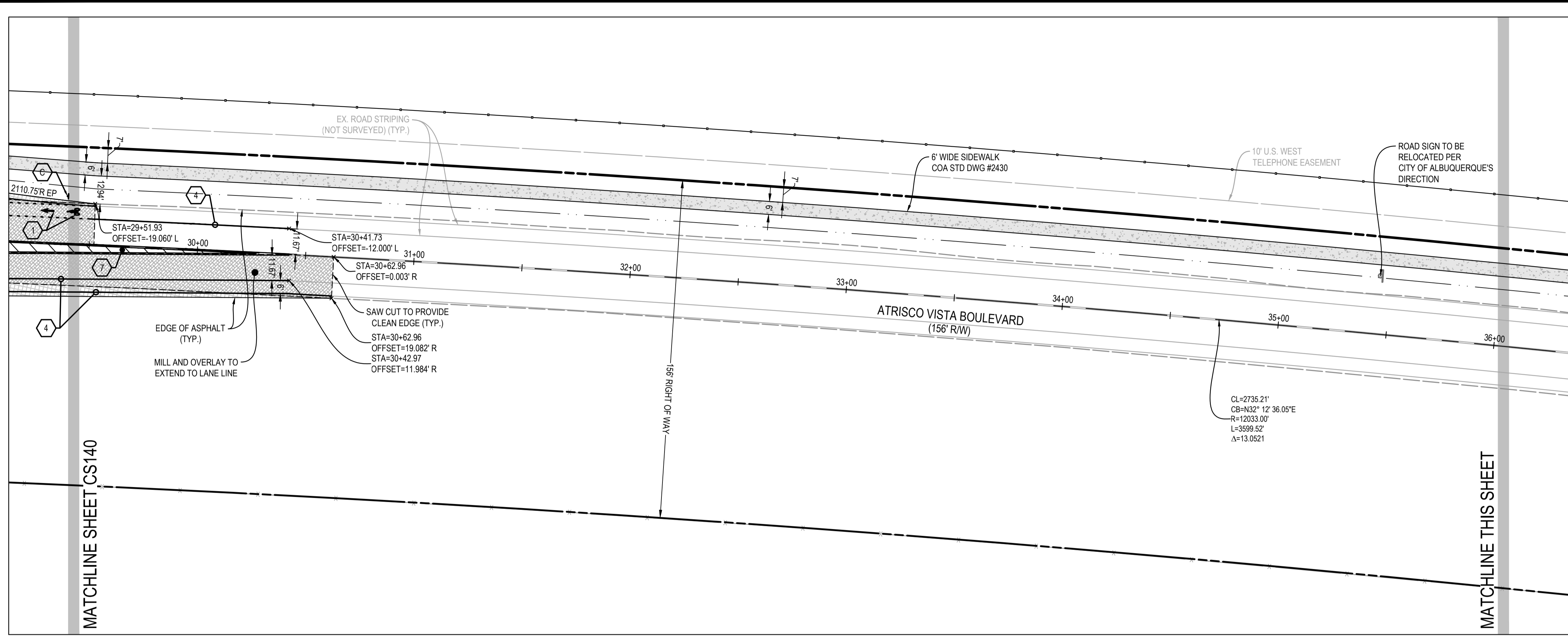
JOB: 5041-0101

DRAWN: CTW CHECK: BJS

CADD: CT201.DWG

NCS: CS139

SHEET: 05 OF 23



GRAPHIC LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION	DETAIL
	ATRISCO VISTA BLVD AND SHOOTING RANGE ROAD ASPHALT PAVEMENT	4 CT501
	MILL/OVERLAY ASPHALT PAVEMENT	3 CT501
	CONCRETE SIDEWALK W/ ADA RAMP	9 CT501
	CURB AND GUTTER	5 CT501
	ROAD SIGN (TYP.)	6-8 CT501

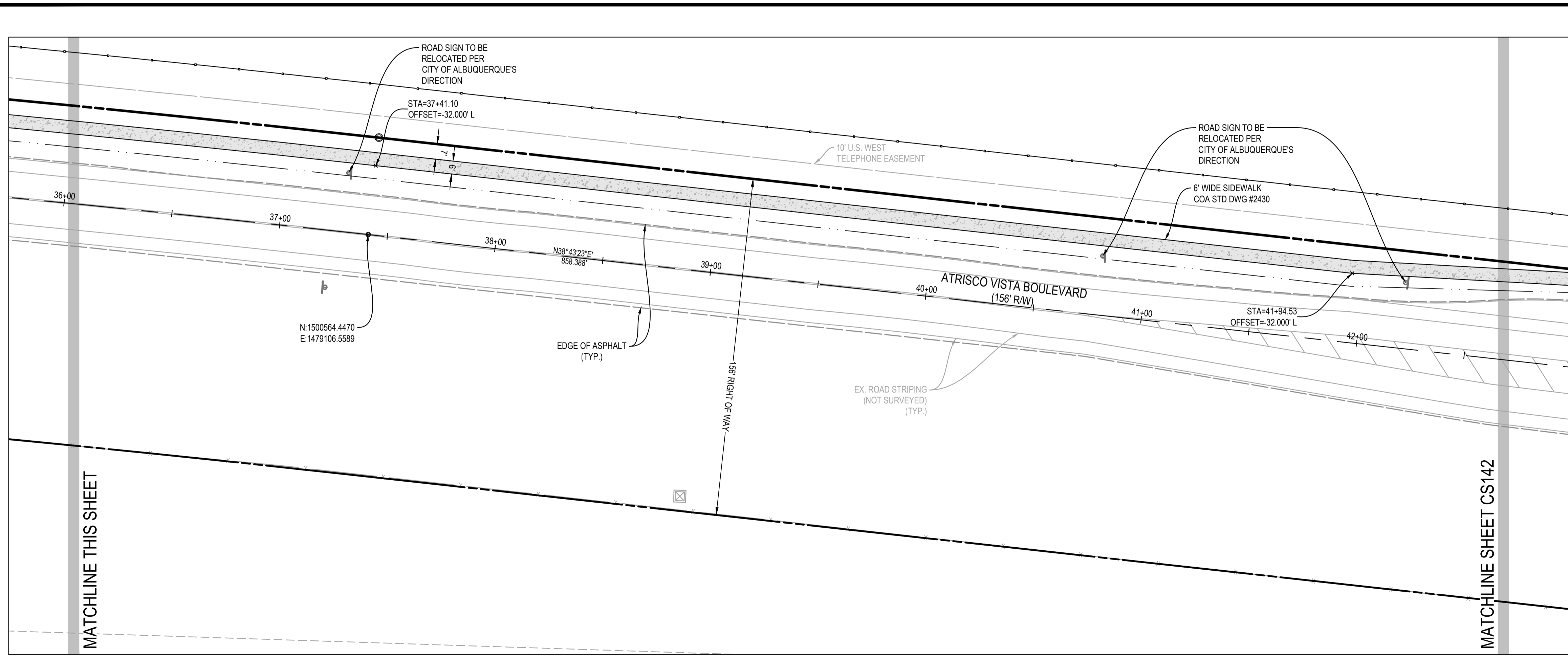
STRIPING LEGEND: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
1	RETROREFLECTIVE PAVEMENT MARKINGS (TYP.)	2,3 CT502
2	4" SOLID WHITE RETROREFLECTIVE PAVEMENT STRIPING	
3	4" DASHED WHITE RETROREFLECTIVE PAVEMENT STRIPING (10' STRIPE, 30' GAP)	
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5	6" DASHED WHITE RETROREFLECTIVE PAVEMENT STRIPING (2' STRIPE, 4' GAP)	
6	4" SOLID DOUBLE YELLOW RETROREFLECTIVE PAVEMENT STRIPING	
7	CHEVRON STRIPE A	1 CT502
8	24" SOLID WHITE RETROREFLECTIVE STOP BAR	

SIGN LEGEND: NOT TO SCALE

KEY	SIGN FACE	DESCRIPTION
A		STOP SIGN (30"x30") R1-1
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D		RIGHT LANE MUST TURN RIGHT (36"x36") R3-7R

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE: [] CITY ENGINEER APPROVAL: [] ZONE MAP NO. G-6
CITY PROJECT NO. 657499

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6.	08/29/2025 - CITY COMMENTS

ATRISCO VISTA BOULEVARD ROAD IMPROVEMENT PLANS
ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

SCALE: HORIZ: 1" = 30'
VERT: N/A

DATE: MAY 2024

JOB: 5041-0101

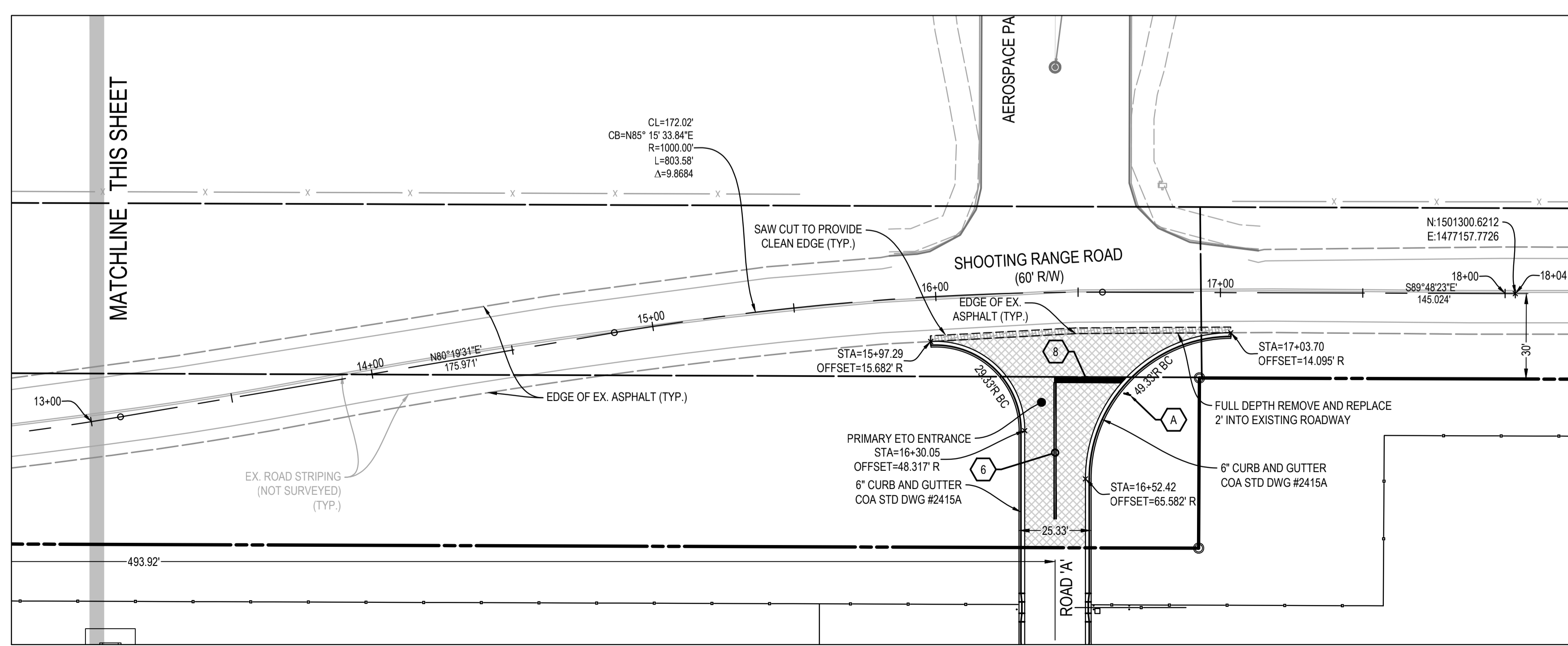
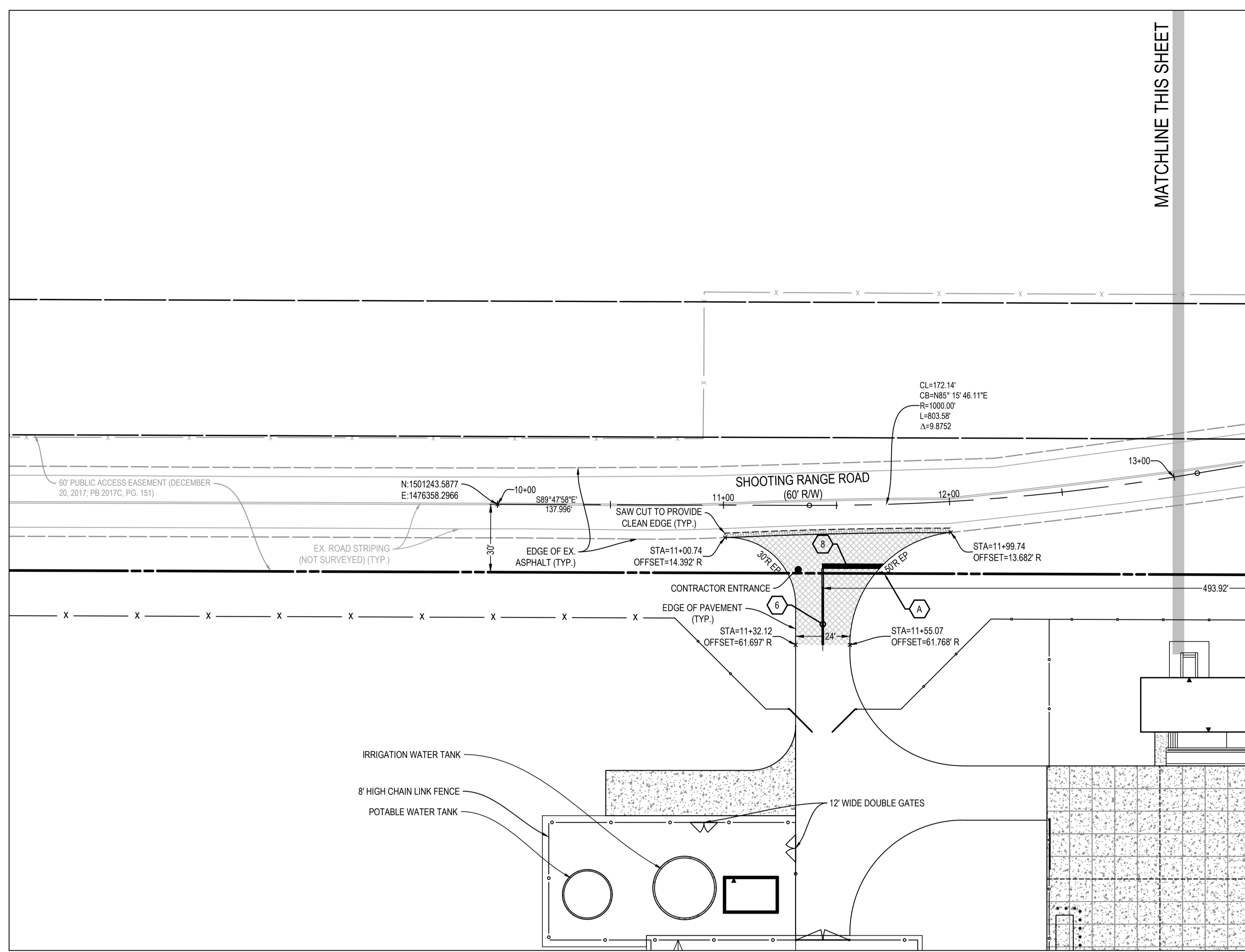
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CADD: CT201.DWG

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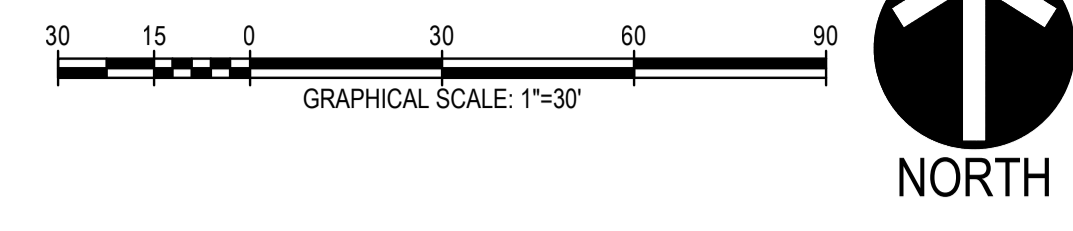
SHEET: 07 OF 23

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MATCHLINE THIS SHEET

MATCHLINE THIS SHEET



GRAPHIC LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION	DETAIL
	ATRISCO VISTA BLVD AND SHOOTING RANGE ROAD ASPHALT PAVEMENT	4 CT501
	MILLOVERLAY ASPHALT PAVEMENT	3 CT501
	CONCRETE SIDEWALK W/ ADA RAMP	9 CT501
	CURB AND GUTTER	5 CT501
	ROAD SIGN (TYP.)	6-8 CT501

STRIPING LEGEND: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
1	RETROREFLECTIVE PAVEMENT MARKINGS (TYP.)	2,3 CT502
2	4" SOLID WHITE RETROREFLECTIVE PAVEMENT STRIPING	
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7	CHEVRON STRIPE A	1 CT502
8	24" SOLID WHITE RETROREFLECTIVE STOP BAR	

SIGN LEGEND: NOT TO SCALE

KEY	SIGN FACE	DESCRIPTION
A		STOP SIGN (30"x30") R1-1
B		BIKE LANE (24"x18") R3-17
C		BEGIN RIGHT TURN LANE/YIELD TO BIKES (36"x30") R4-4
D		RIGHT LANE MUST TURN RIGHT (36"x36") R3-7R

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5. 03/07/2025 - CITY COMMENTS
6. 08/29/2025 - CITY COMMENTS

SHOOTING RANGE ROAD ENTRANCE PLANS

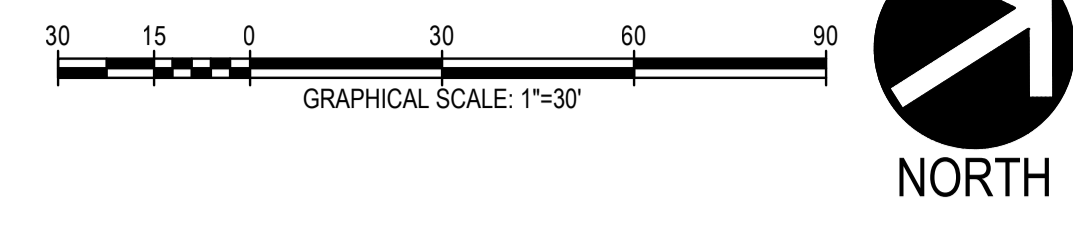
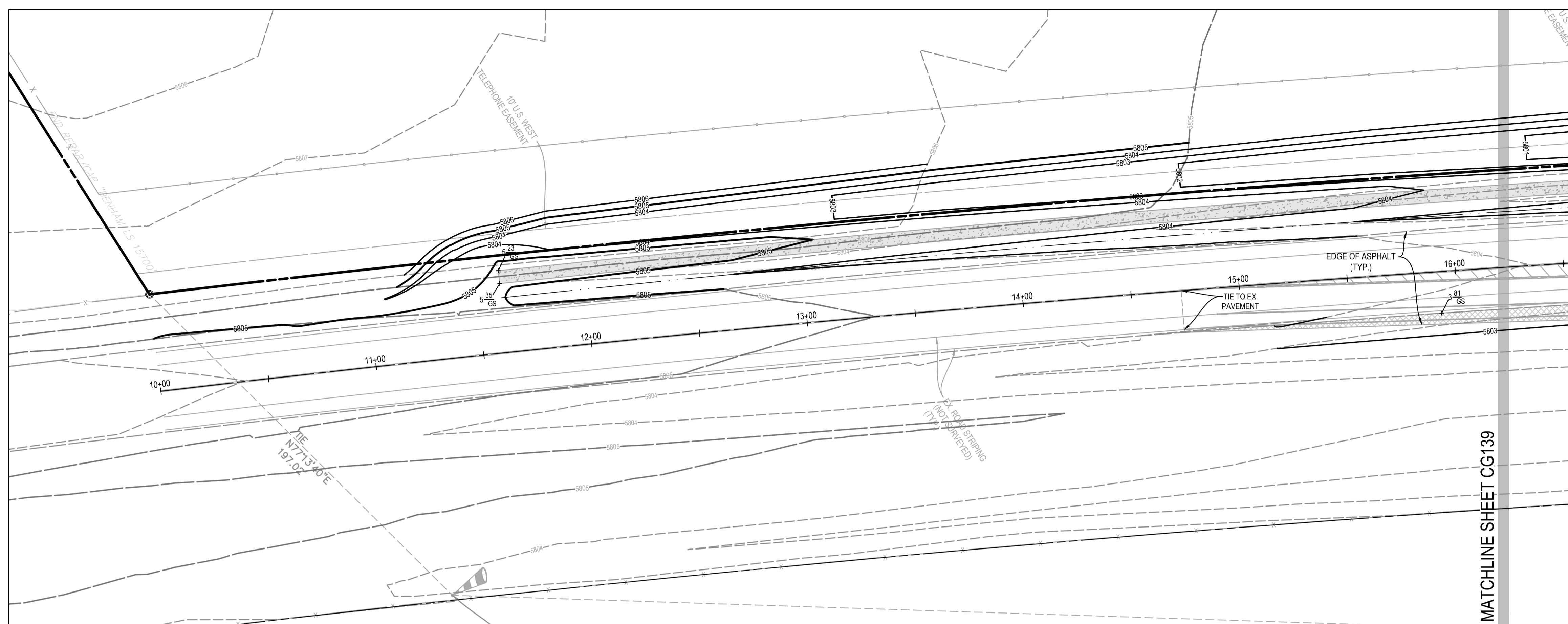
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ALBUQUERQUE, NEW MEXICO

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

SCALE:	HORIZ.: 1" = 30'
	VERT.: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CT201.DWG
NCS:	CS143
SHEET:	09 OF 23



GRADING LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION
	PROPOSED MAJOR CONTOUR (FIVE FOOT INTERVALS)
	PROPOSED MINOR CONTOUR (ONE FOOT INTERVALS)
	EXISTING MAJOR CONTOUR (FIVE FOOT INTERVALS)
	EXISTING MINOR CONTOUR (ONE FOOT INTERVALS)
	STORM SEWER PIPE
	STORM STRUCTURE
	EXISTING STORM PIPE
	EXISTING STORM STRUCTURE
	TOP OF CURB
	GROUND SPOT
	EDGE OF PAVEMENT
	HIGH POINT
	LOW POINT
	TOP OF STRUCTURE
	INVERT OF STRUCTURE

KEYNOTES: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
	CULVERT END SECTION (TYP.)	
	WIRE ENCLOSED RIPRAP CLASS 'A'	
	CONCRETE HEADWALL	
	STORM GRATE INLET TYPE D	

CITY OF ALBUQUERQUE NOTE:
GRADING OUTSIDE OF THE THE RIGHT OF WAY IS NOT PART OF THE CITY OF ALBUQUERQUE'S WORK ORDER.

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NO.	DATE	DESCRIPTION	BY	REVISIONS
1.	10/11/2024	- CITY COMMENTS		
2.	11/13/2024	- CITY COMMENTS		
3.	01/01/2025	- CITY AND COUNTY COMMENTS		
4.	02/27/2025	- CITY COMMENTS		
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6.	08/29/2025	- CITY COMMENTS		

ATRISCO VISTA BOULEVARD ROAD GRADING PLANS

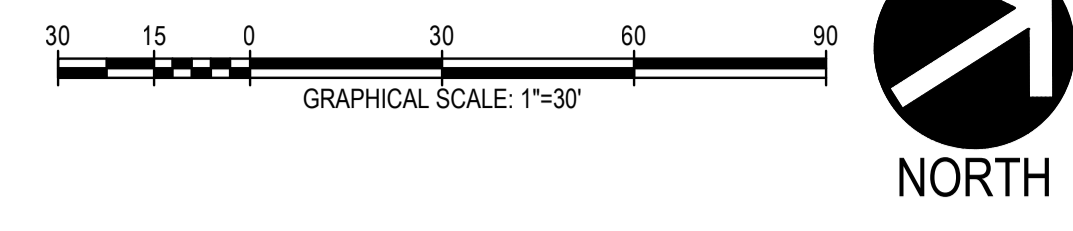
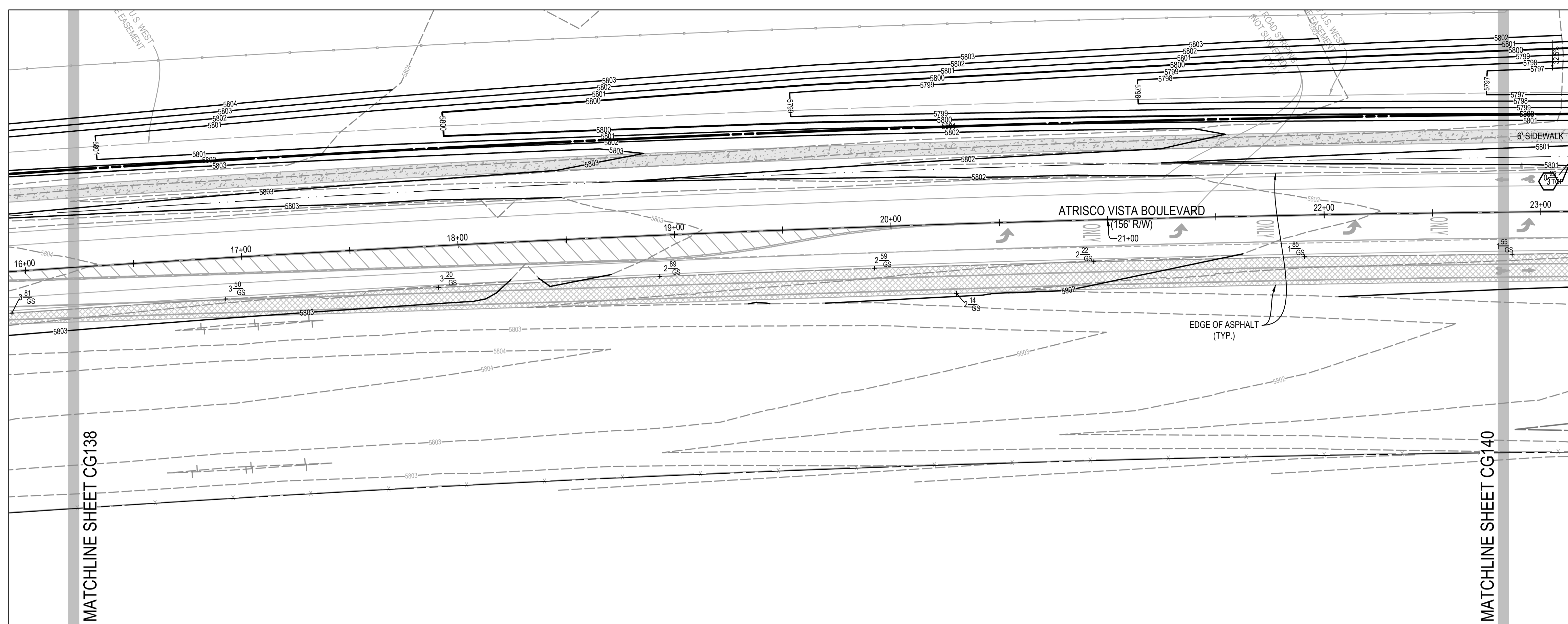
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ALBUQUERQUE, NEW MEXICO

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

SCALE:	HORIZ.: 1" = 30'
	VERT.: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CG201.DWG
NCS:	CG138
SHEET:	10 OF 23

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GRADING LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION
— 5200 —	PROPOSED MAJOR CONTOUR (FIVE FOOT INTERVALS)
— 5193 —	PROPOSED MINOR CONTOUR (ONE FOOT INTERVALS)
— 5200 - - -	EXISTING MAJOR CONTOUR (FIVE FOOT INTERVALS)
— 5193 - - -	EXISTING MINOR CONTOUR (ONE FOOT INTERVALS)
— — —	STORM SEWER PIPE
▲ ■ —	STORM STRUCTURE
— — —	EXISTING STORM PIPE
◆	EXISTING STORM STRUCTURE
TC	TOP OF CURB
GS	GROUND SPOT
EP	EDGE OF PAVEMENT
HP	HIGH POINT
LP	LOW POINT
TOP	TOP OF STRUCTURE
INV.	INVERT OF STRUCTURE

KEYNOTES: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
①	CULVERT END SECTION (TYP.)	5 CT502
②	WIRE ENCLOSED RIPRAP CLASS 'A'	1-2 CT503
③	CONCRETE HEADWALL	6-7 CT502
④	STORM GRATE INLET TYPE D	3 CT502

CITY OF ALBUQUERQUE NOTE:
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INTEGRITY FEDERAL SERVICES

CIVIL ENGINEERING • LANDSCAPE ARCHITECTURE • CONSTRUCTION MANAGEMENT

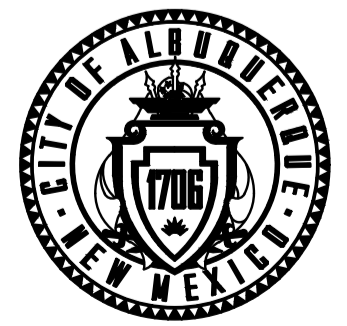
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1.	10/11/2024	- CITY COMMENTS
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3.	01/01/2025	- CITY AND COUNTY COMMENTS
4.	02/27/2025	- CITY COMMENTS
5.	03/07/2025	- CITY COMMENTS
6.	08/29/2025	- CITY COMMENTS

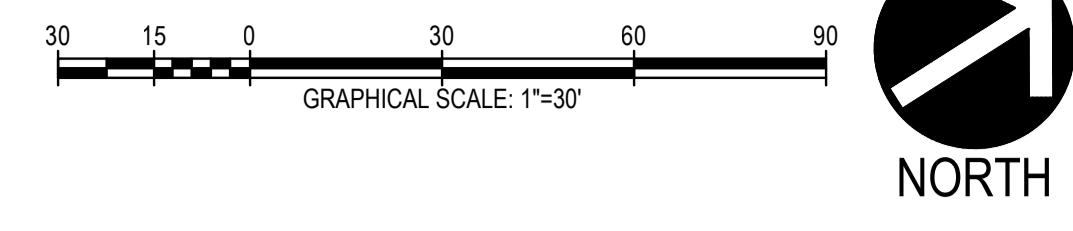
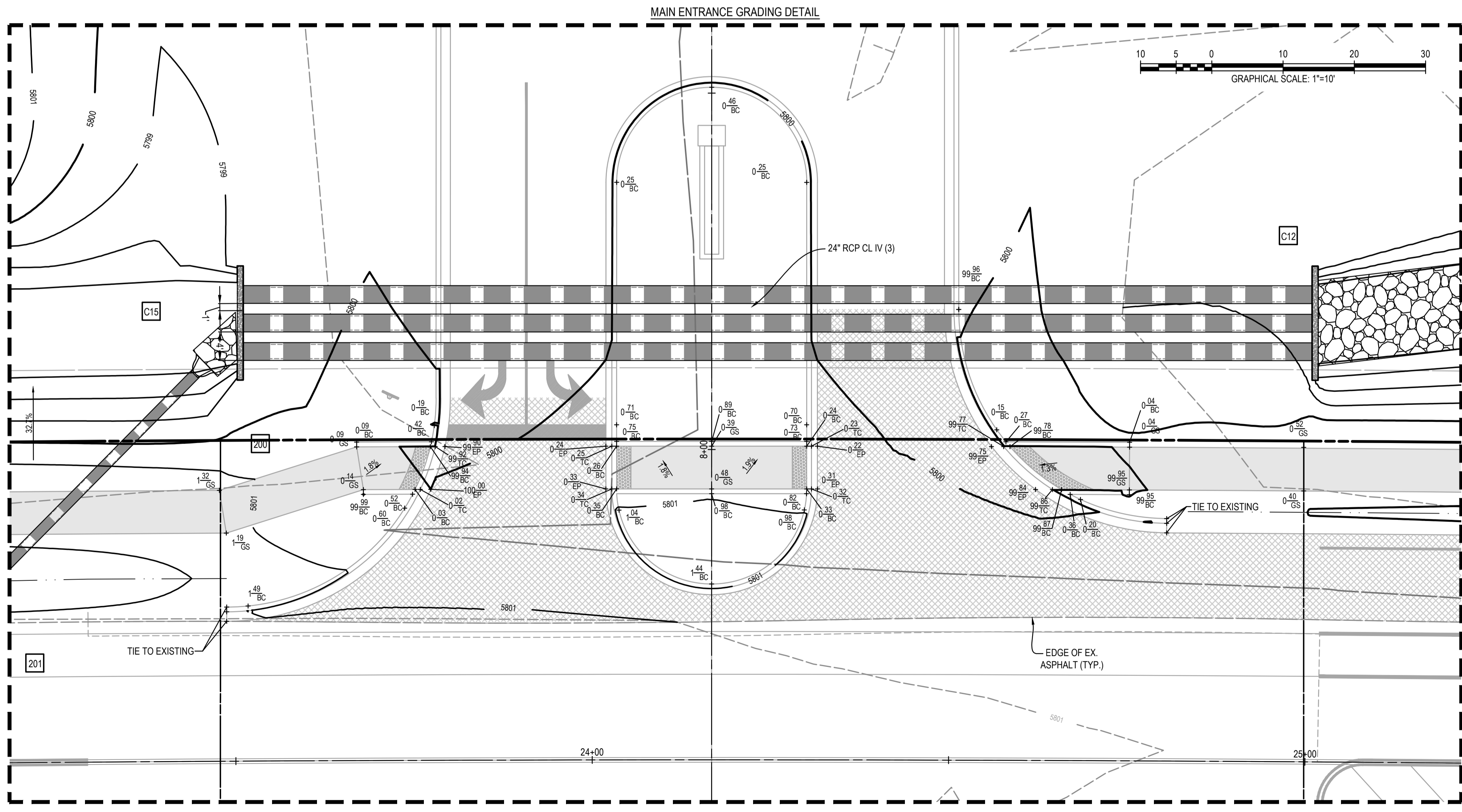
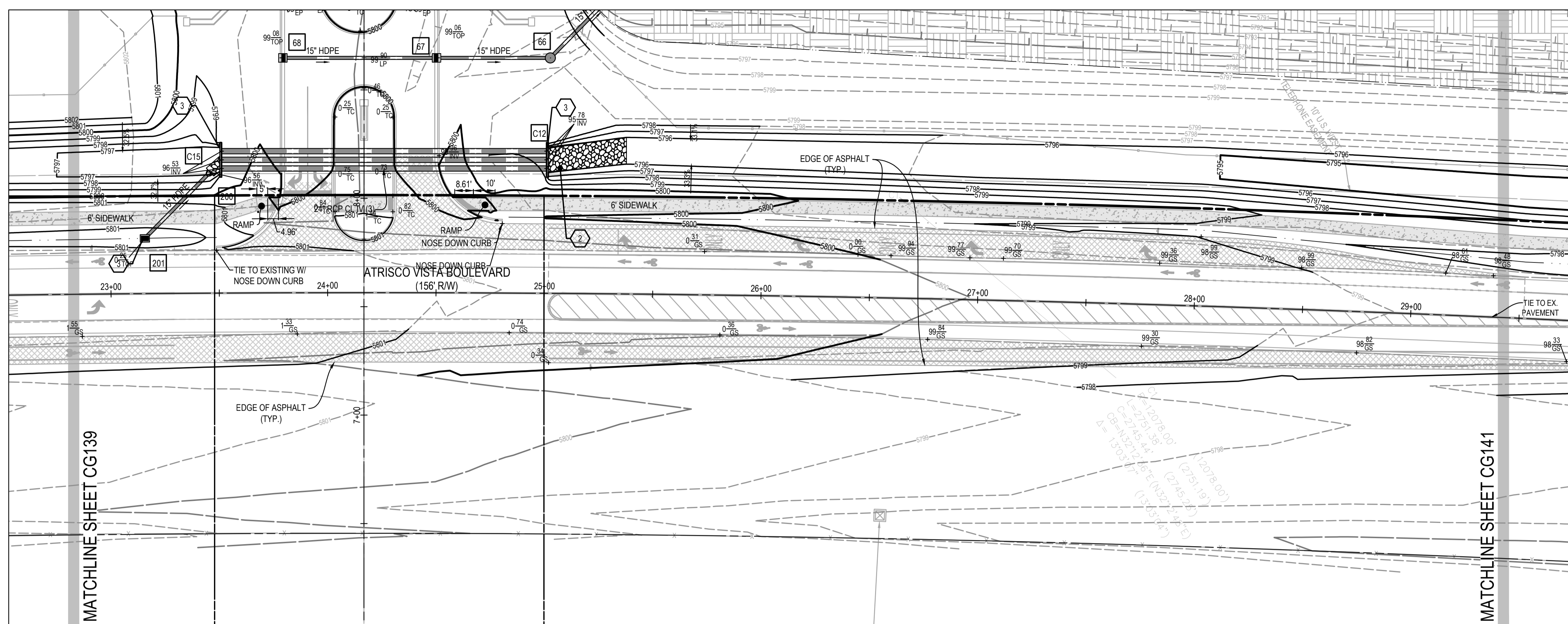
ATRISCO VISTA BOULEVARD ROAD GRADING PLANS

ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

 CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

SCALE:	HORIZ.: 1" = 30'
	VERT.: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CG201.DWG
NCS:	CG139
SHEET:	11 OF 23



GRADING LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION
—5200—	PROPOSED MAJOR CONTOUR (FIVE FOOT INTERVALS)
—5193—	PROPOSED MINOR CONTOUR (ONE FOOT INTERVALS)
—5200—	EXISTING MAJOR CONTOUR (FIVE FOOT INTERVALS)
—5193—	EXISTING MINOR CONTOUR (ONE FOOT INTERVALS)
—	STORM SEWER PIPE
—	STORM STRUCTURE
—	EXISTING STORM PIPE
—	EXISTING STORM STRUCTURE
TC	TOP OF CURB
GS	GROUND SPOT
EP	EDGE OF PAVEMENT
HP	HIGH POINT
LP	LOW POINT
TOP	TOP OF STRUCTURE
INV.	INVERT OF STRUCTURE

KEYNOTES: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
①	CULVERT END SECTION (TYP.)	5 CT502
②	WIRE ENCLOSED RIPRAP CLASS 'A'	1-2 CT503
③	CONCRETE HEADWALL	6-2 CT502
④	STORM GRATE INLET TYPE D	3 CT502

CITY OF ALBUQUERQUE NOTE:
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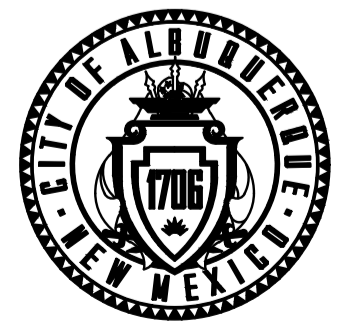
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ATRISCO VISTA BOULEVARD ROAD GRADING PLANS

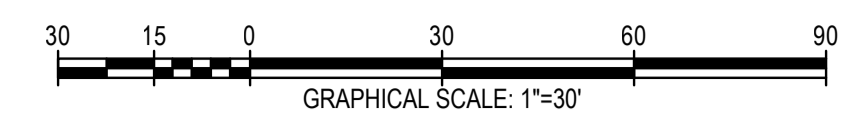
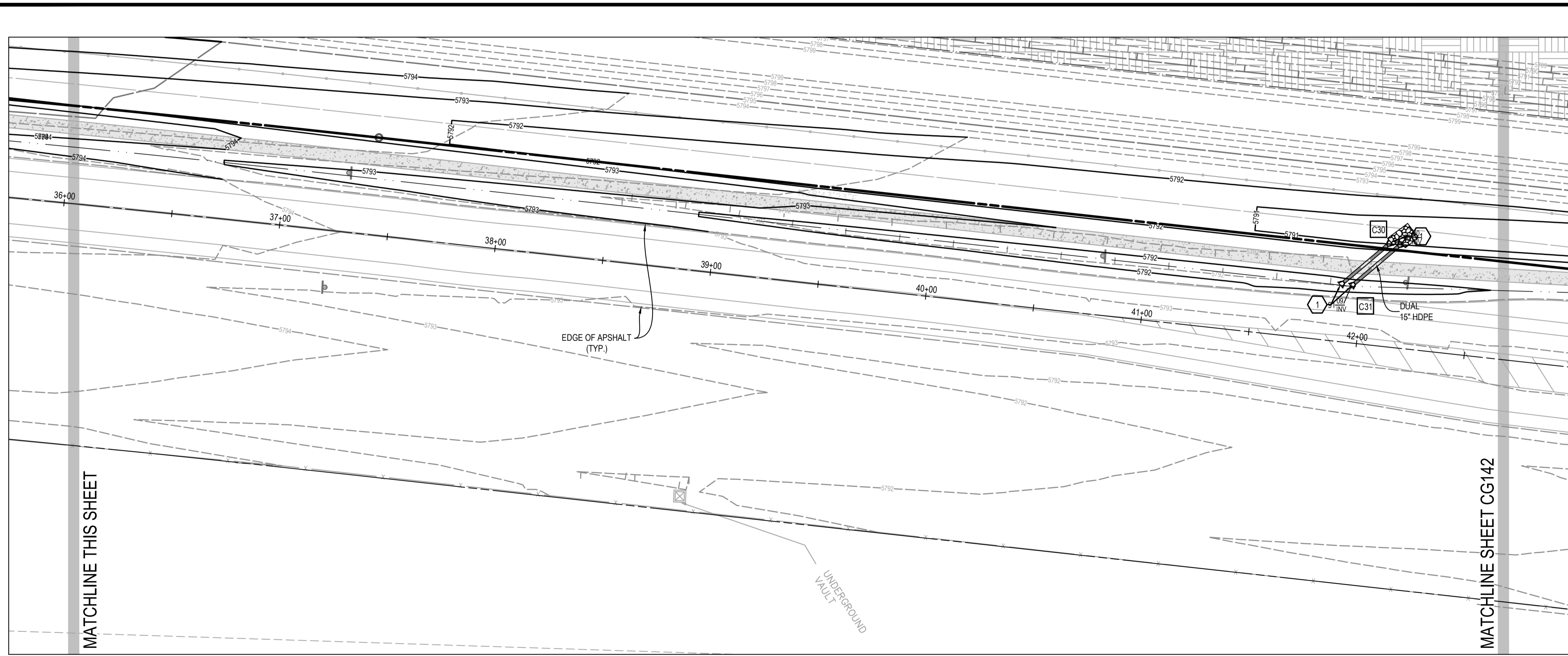
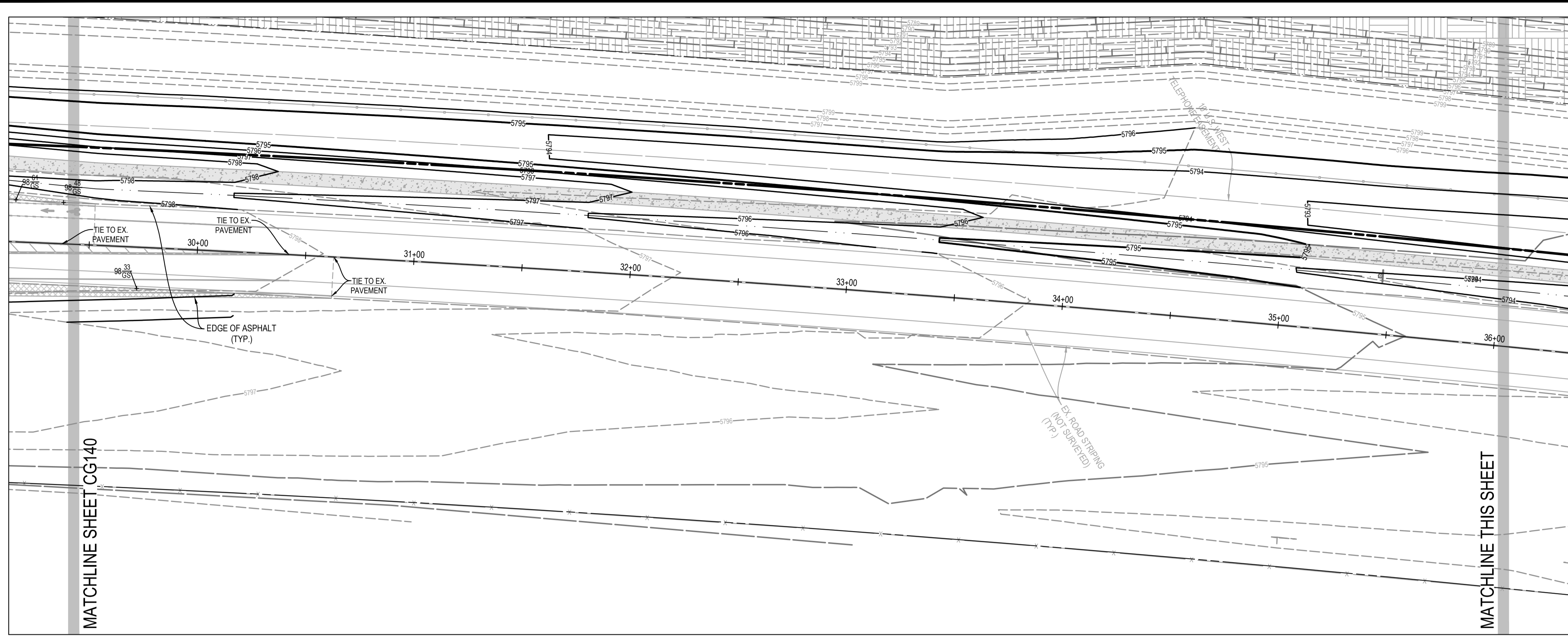
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ALBUQUERQUE, NEW MEXICO



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

SCALE:	HORIZ: 1" = 30'
	VERT: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CG201.DWG
NCS:	CG140
SHEET:	12 OF 23



GRADING LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION
	PROPOSED MAJOR CONTOUR (FIVE FOOT INTERVALS)
	PROPOSED MINOR CONTOUR (ONE FOOT INTERVALS)
	EXISTING MAJOR CONTOUR (FIVE FOOT INTERVALS)
	EXISTING MINOR CONTOUR (ONE FOOT INTERVALS)
	STORM SEWER PIPE
	STORM STRUCTURE
	EXISTING STORM PIPE
	EXISTING STORM STRUCTURE
	TOP OF CURB
	GROUND SPOT
	EDGE OF PAVEMENT
	HIGH POINT
	LOW POINT
	TOP OF STRUCTURE
	INVERT OF STRUCTURE

KEYNOTES: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
	CULVERT END SECTION (TYP.)	
	WIRE ENCLOSED RIPRAP CLASS 'A'	
	CONCRETE HEADWALL	
	STORM GRATE INLET TYPE D	

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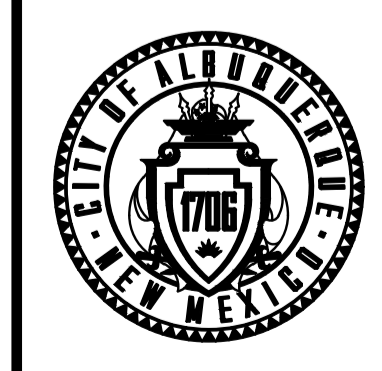
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ATRISCO VISTA BOULEVARD ROAD GRADING PLANS

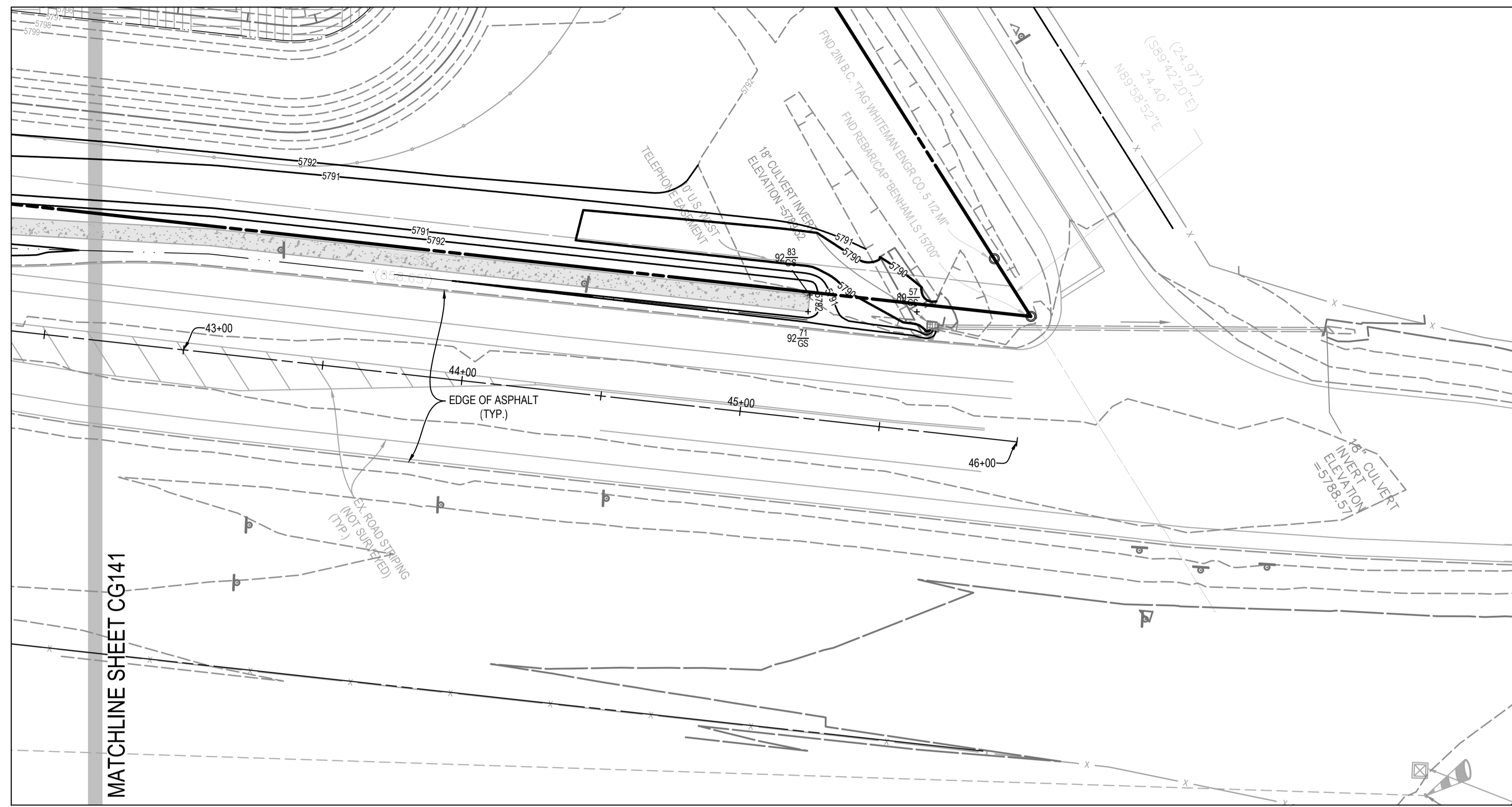
ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO



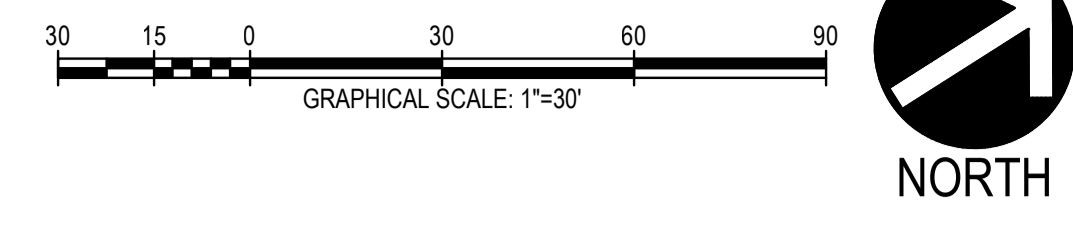
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

SCALE:	HORIZ.: 1" = 30'
	VERT.: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CG201.DWG
NCS:	CG141
SHEET:	13 OF 23



MATCHLINE SHEET CG141



GRADING LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION
	PROPOSED MAJOR CONTOUR (FIVE FOOT INTERVALS)
	PROPOSED MINOR CONTOUR (ONE FOOT INTERVALS)
	EXISTING MAJOR CONTOUR (FIVE FOOT INTERVALS)
	EXISTING MINOR CONTOUR (ONE FOOT INTERVALS)
	STORM SEWER PIPE
	STORM STRUCTURE
	EXISTING STORM PIPE
	EXISTING STORM STRUCTURE
	TOP OF CURB
	GROUND SPOT
	EDGE OF PAVEMENT
	HIGH POINT
	LOW POINT
	TOP OF STRUCTURE
	INVERT OF STRUCTURE

KEYNOTES: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
	CULVERT END SECTION (TYP.)	
	WIRE ENCLOSED RIPRAP CLASS 'A'	
	CONCRETE HEADWALL	
	STORM GRATE INLET TYPE D	

CITY OF ALBUQUERQUE NOTE:
GRADING OUTSIDE OF THE THE RIGHT OF WAY IS NOT PART OF THE CITY OF ALBUQUERQUE'S WORK ORDER.

INTEGRITY FEDERAL SERVICES

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SEAL:

NO.	DATE	REVISIONS
1.	10/11/2024	- CITY COMMENTS
2.	11/13/2024	- CITY COMMENTS
3.	01/01/2025	- CITY AND COUNTY COMMENTS
4.	02/27/2025	- CITY COMMENTS
5.	03/07/2025	- CITY COMMENTS
6.	08/29/2025	- CITY COMMENTS

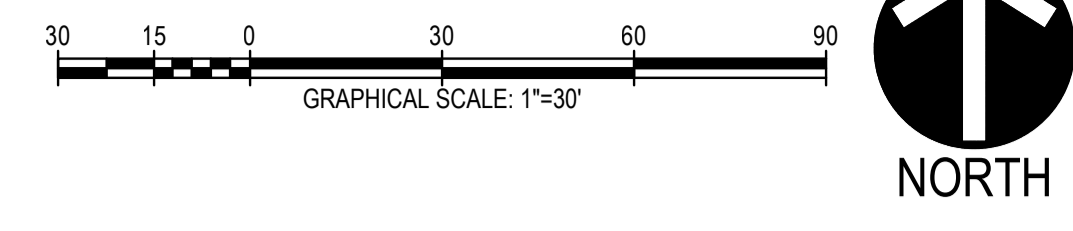
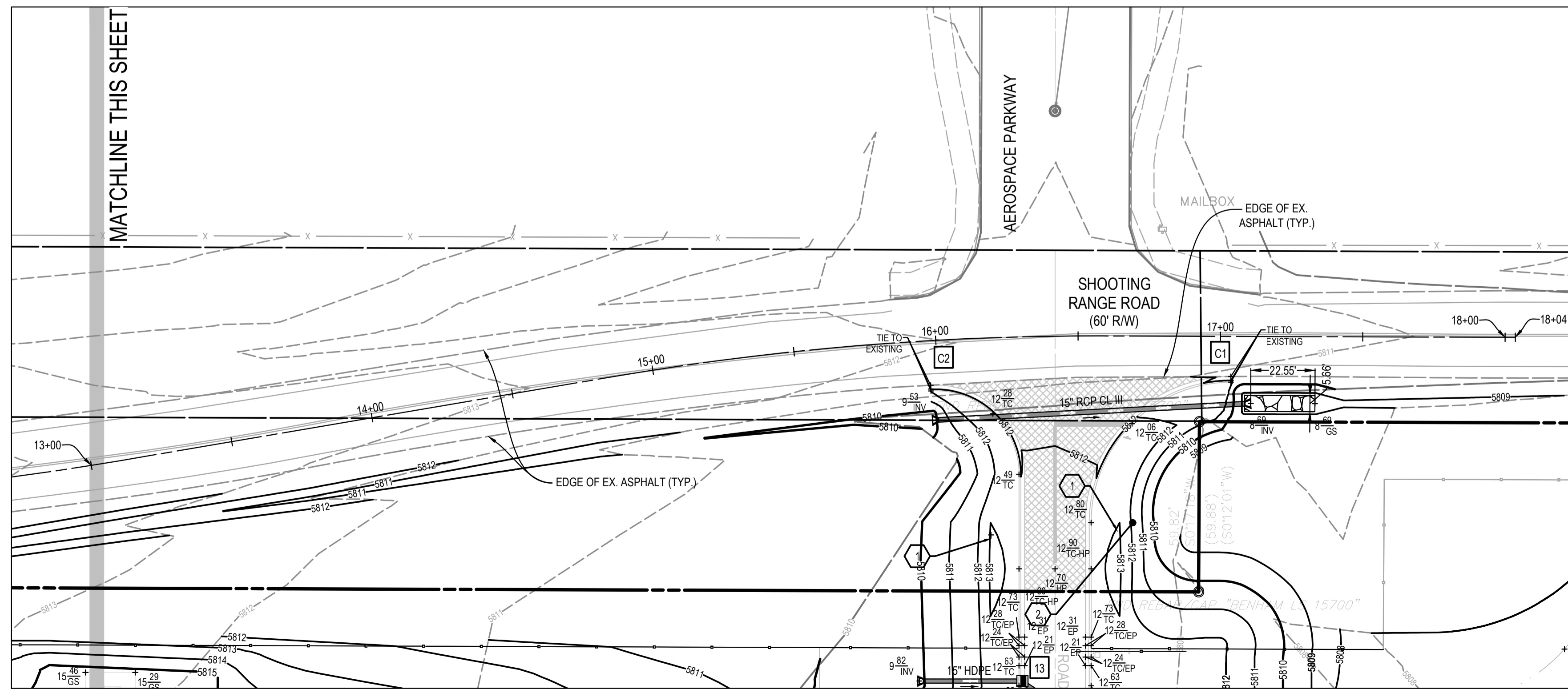
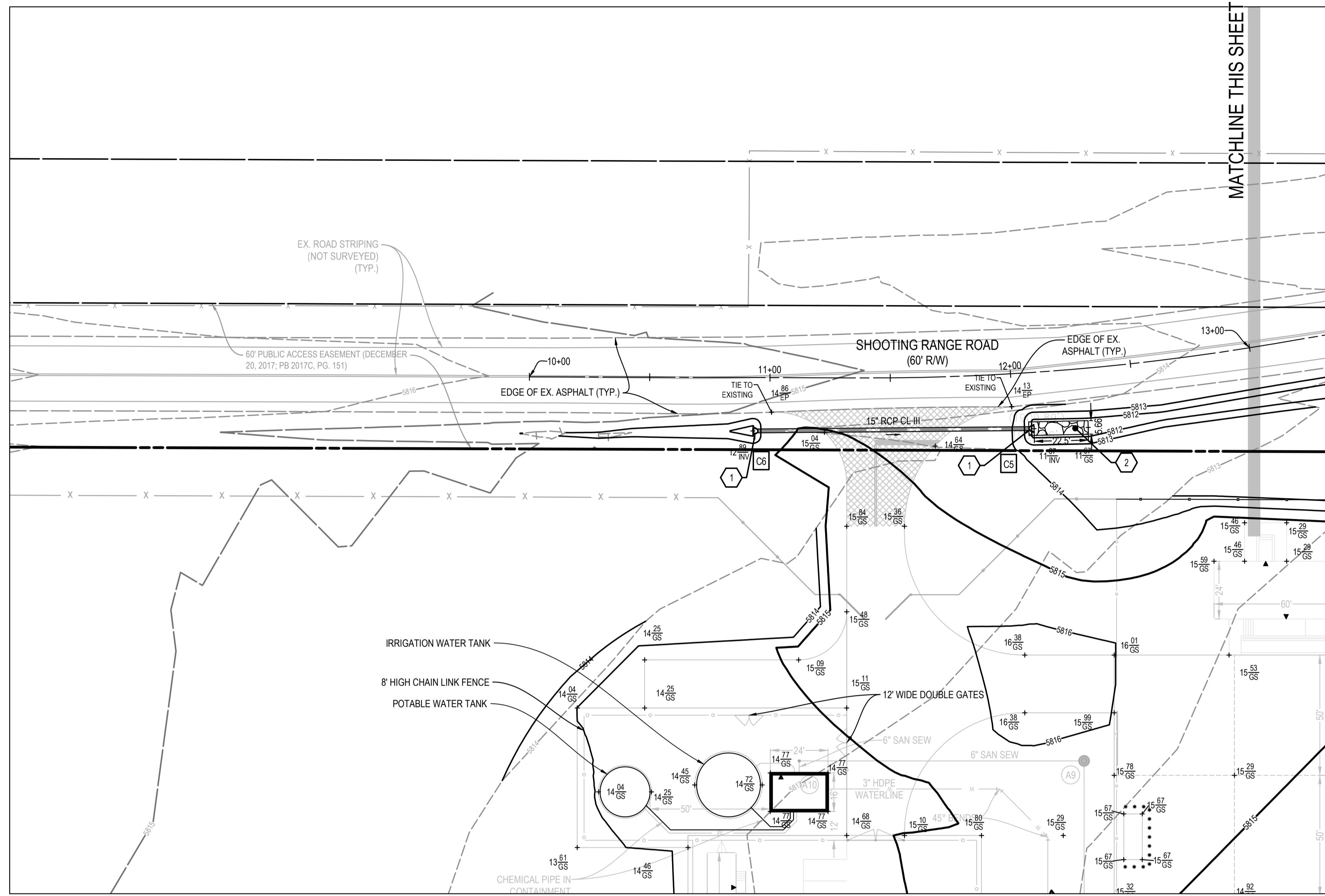
ATRISCO VISTA BOULEVARD ROAD GRADING PLANS

ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

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		CITY PROJECT NO. 657499

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DRAWN:	CTW
CHECK:	BJS
CADD:	CG201.DWG
NCS:	CG142
SHEET:	14 OF 23



GRADING LEGEND: NOT TO SCALE

GRAPHIC	DESCRIPTION
—5200—	PROPOSED MAJOR CONTOUR (FIVE FOOT INTERVALS)
—5193—	PROPOSED MINOR CONTOUR (ONE FOOT INTERVALS)
---5200---	EXISTING MAJOR CONTOUR (FIVE FOOT INTERVALS)
---5193---	EXISTING MINOR CONTOUR (ONE FOOT INTERVALS)
—▲—	STORM SEWER PIPE
—■—	STORM STRUCTURE
---	EXISTING STORM PIPE
---	EXISTING STORM STRUCTURE
TC	TOP OF CURB
GS	GROUND SPOT
EP	EDGE OF PAVEMENT
HP	HIGH POINT
LP	LOW POINT
TOP	TOP OF STRUCTURE
INV.	INVERT OF STRUCTURE

KEYNOTES: NOT TO SCALE

KEY	DESCRIPTION	DETAIL
①	CULVERT END SECTION (TYP.)	5 CT502
②	WIRE ENCLOSED RIPRAP CLASS 'A'	1-2 CT503
③	CONCRETE HEADWALL	6-2 CT502
④	STORM GRATE INLET TYPE D	3 CT502

CITY OF ALBUQUERQUE NOTE:
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INTEGRITY FEDERAL SERVICES

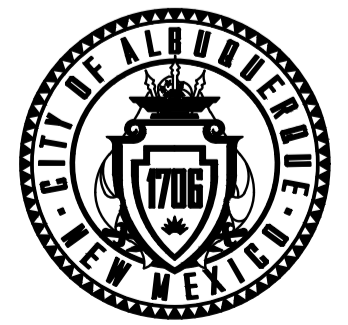
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5. 03/07/2025 - CITY COMMENTS
6. 08/29/2025 - CITY COMMENTS

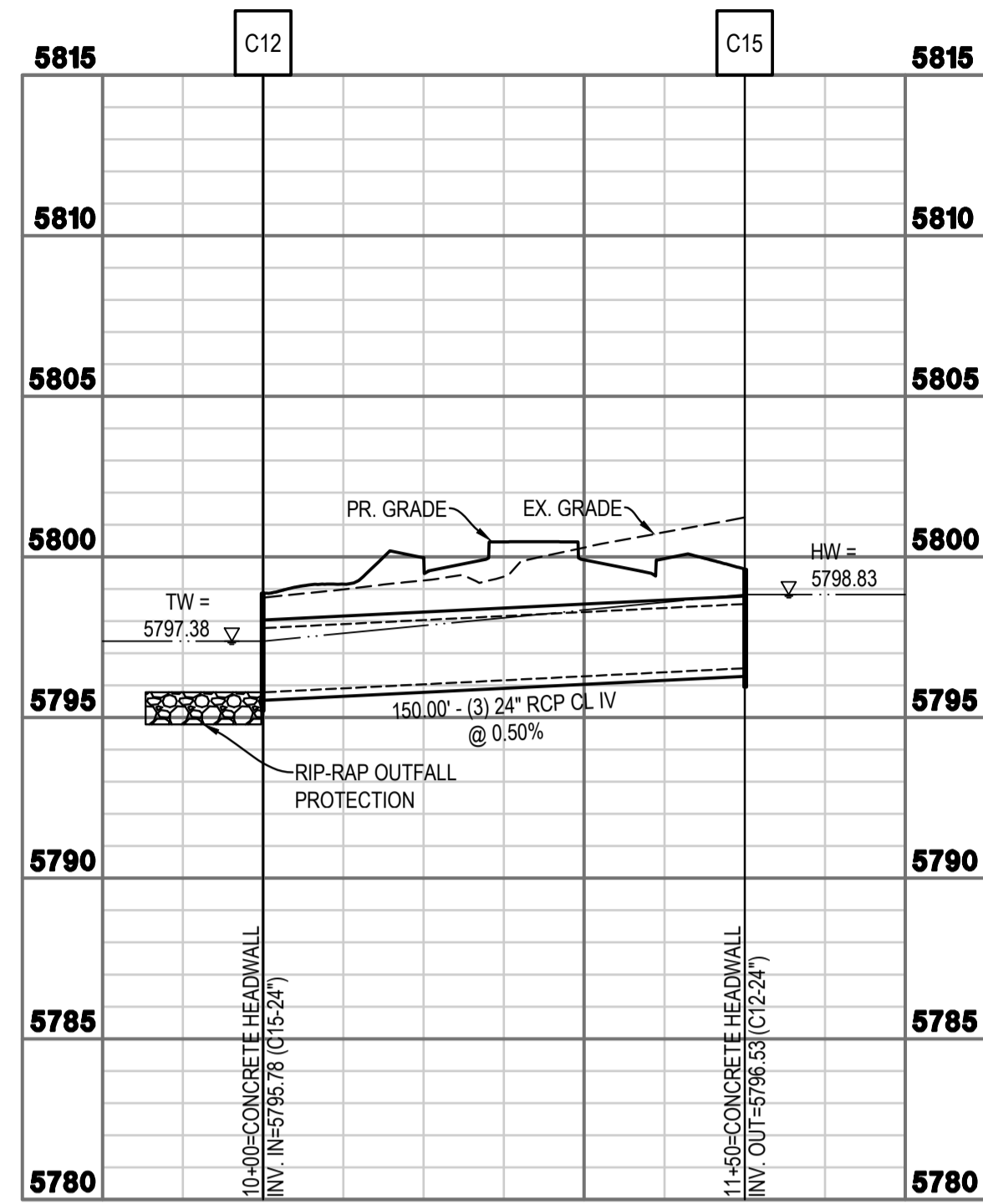
SHOOTING RANGE ROAD GRADING PLANS

ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

 CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

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		CITY PROJECT NO. 657499

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SHEET:	15 OF 23



10+00 11+00 12+00
STORM PROFILE
 SCALE
 HORIZONTAL: 1" = 50'
 VERTICAL: 1" = 5'

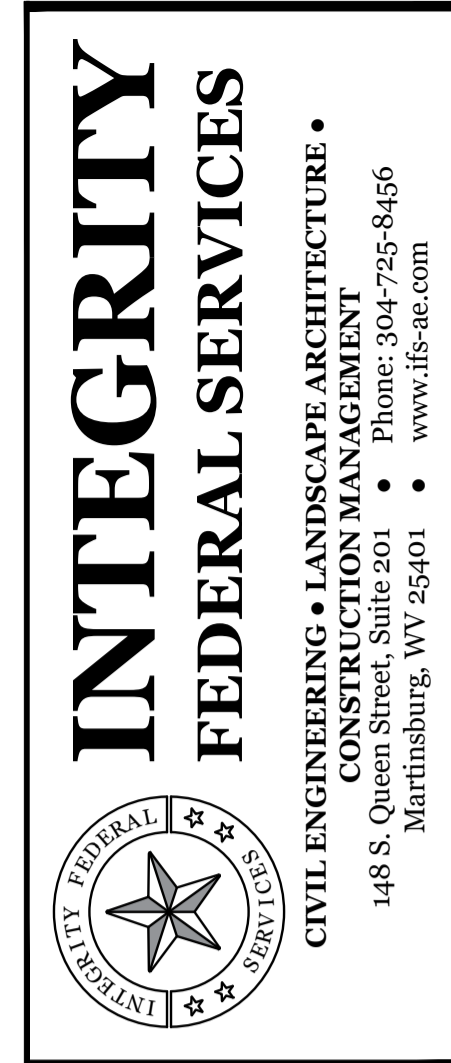
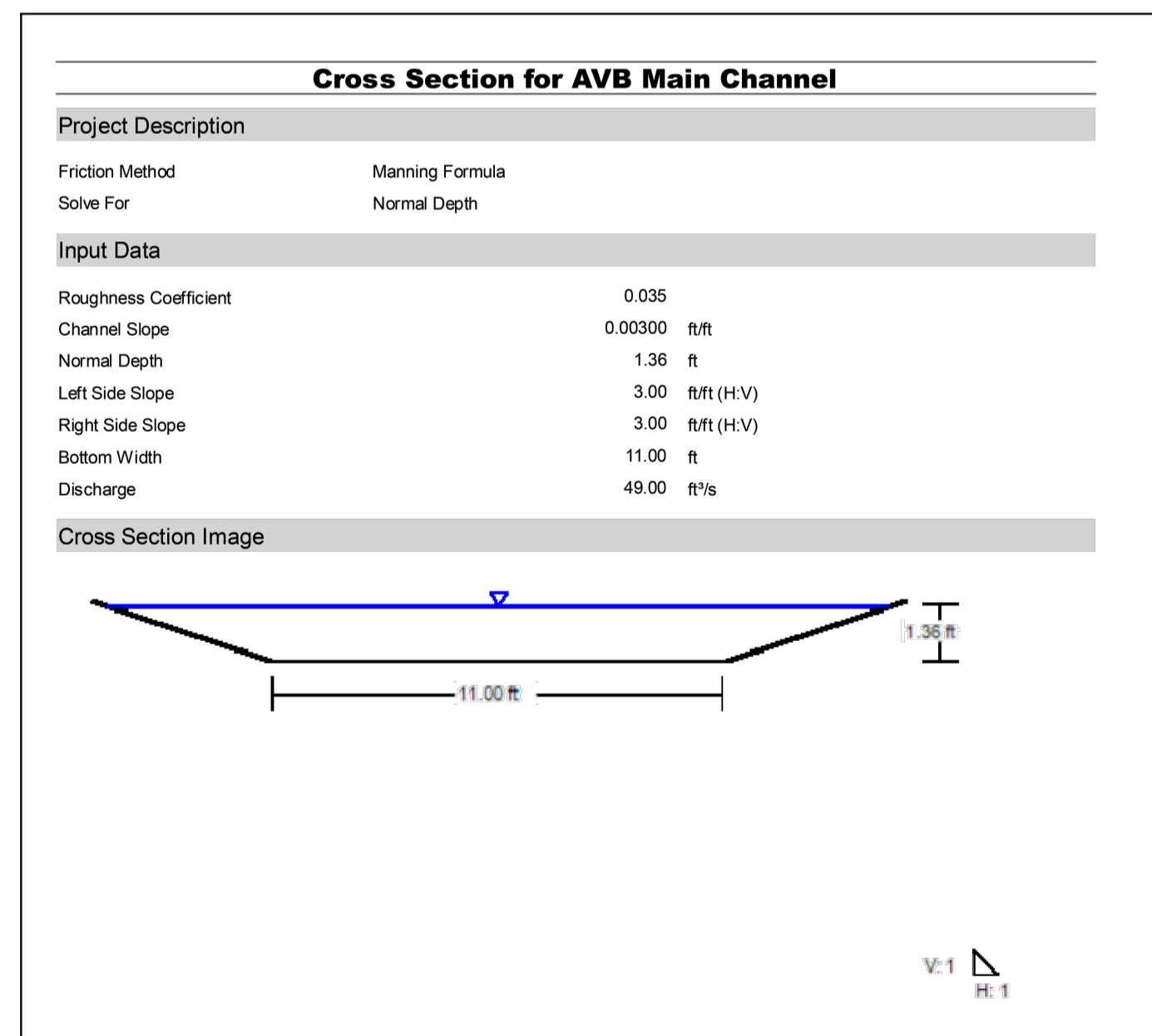
- NOTES:**
1. FLOWABLE FILL TO BE USED TO ACHIEVE COMPACTION BETWEEN MULTIPLE CULVERTS.
 2. CULVERT SPACING IS 4' FROM CENTER TO CENTER.

Runoff Curve Number and Runoff Worksheet (TR-55)				
Project: Albuquerque NC - Post PH1-Bypass		Created by: JCH	Date: 2/25/2024	
Location:		Checked by: BJS	Date:	
Check One: <input type="checkbox"/> Present <input checked="" type="checkbox"/> Developed				
I. Runoff Curve Number				
Soil name and hydrologic group (appendix A)	Cover description	CN Table 2-2	Area (acres)	Product of CN x A
Offsite Area				
A	Desert Shrub Rangeland, Good Condition	49	82.71	4,053
B	Desert Shrub Rangeland, Good Condition	68	697.49	47,429
B	Impervious Areas	98	3.58	351
Onsite Area				
A	Desert Shrub Rangeland, Good Condition	49	6.18	303
B	Desert Shrub Rangeland, Good Condition	68	47.62	3,238
Totals		66	837.58	55,374
CN (weighted) = $\frac{\text{total product}}{\text{total area}} = \frac{55,374}{837.58}$		= 66 Use CN = 66		

Time of Concentration (T _c) or Travel Time (T _t) Worksheet (TR-55)				
Project: Albuquerque NC - Post PH1-Bypass		Created by: JCH	Date: 2/25/2024	
Location:		Checked by: BJS	Date:	
Check One: <input type="checkbox"/> Present <input checked="" type="checkbox"/> Developed				
Check One: <input checked="" type="checkbox"/> T _c <input type="checkbox"/> T _t through subarea				
Notes: Space for as many as two segments per flow type can be used for each worksheet. Include a map, schematic, or description of flow segments				
Sheet Flow (Applicable to T _c only)				
Segment ID: A-B				
1. Surface description (table 3-1)	RANGE			
2. Manning's roughness coefficient, n (table 3-1)	0.13			
3. Flow Length, L (total L <= 300 ft)	100			
4. Two-Year 24-hour rainfall, p	1.25			
5. Land Slope, s	0.009			
6. $T_c = 0.007 \left(\frac{L}{s} \right)^{0.8}$ Compute T _c	0.32			
Hr. = 0.32				
Min. = 19.24				
Shallow Concentrated Flow				
Segment ID: B-C				
7. Surface description (paved or unpaved)	UNPAVED			
8. Flow length, L	12.946			
9. Watercourse slope, s	0.009			
10. Average velocity, V (figure 3-1)	1.53			
11. $T_t = \frac{L}{3600V}$ Compute T _t	2.35			
Hr. = 2.35				
Min. = 140.96				
Channel Flow				
Segment ID: ---				
12. Cross sectional flow area, a	---			
13. Wetted perimeter, P _w	---			
14. Hydraulic Radius, r = a/P _w Compute r	---			
15. Channel Slope, s	---			
16. Manning's Roughness coefficient, n	---			
17. $V = 1.49 r^{2/3} s^{1/2}$ Compute V	---			
18. Flow Length, L	---			
19. $T_t = \frac{L}{3600V}$ Compute T _t	0.00			
Hr. = 0.00				
Min. = 0.00				
20. Watershed or subarea T _c or T _t	2.67			
Hr. = 2.67				
Min. = 160.21				

Culvert Calculator Report			
Atrisco Vista Boulevard			
Solve For: Section Size			
Culvert Summary			
Allowable HW Elevation	5,799.53 ft	Headwater Depth/Height	1.15
Computed Headwater Elev.	5,798.83 ft	Discharge	48.94 cfs
Inlet Control HW Elev.	5,798.78 ft	Tailwater Elevation	5,797.38 ft
Outlet Control HW Elev.	5,798.83 ft	Control Type	Outlet Control
Grades			
Upstream Invert	5,796.53 ft	Downstream Invert	5,795.78 ft
Length	150.00 ft	Constructed Slope	0.005000 ft/ft
Hydraulic Profile			
Profile	M2	Depth, Downstream	1.60 ft
Slope Type	Mild	Normal Depth	1.68 ft
Flow Regime	Subcritical	Critical Depth	1.46 ft
Velocity Downstream	6.05 ft/s	Critical Slope	0.006712 ft/ft
Section			
Section Shape	Circular	Manning's Coefficient	0.013
Section Material	Concrete	Span	2.00 ft
Section Size	24 inch	Rise	2.00 ft
Number Sections	3		
Outlet Control Properties			
Outlet Control HW Elev.	5,798.83 ft	Upstream Velocity Head	0.53 ft
Ke	0.20	Entrance Loss	0.11 ft
Inlet Control Properties			
Inlet Control HW Elev.	5,798.78 ft	Flow Control	Transition
Inlet Type	Beveled ring, 33.7° bevels	Area Full	9.4 ft²
K	0.00180	HDS 5 Chart	3
M	2.50000	HDS 5 Scale	B
C	0.02430	Equation Form	1
Y	0.83000		
Project Engineer: cwelltrauer@ifs-ae.com g:_lengrid\data\storm\entrance culverts.cmn 10/03/24 02:03:07 PM @Merit Systems, Incorporated Integrity Federal Services Haestad Methods Solution Center Watertown, CT 06795 USA +1-203-755-1666 Page 1 of 1			

Worksheet for AVB Main Channel	
Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth
Input Data	
Roughness Coefficient	0.035
Channel Slope	0.00300 ft/ft
Left Side Slope	3.00 ft/ft (H:V)
Right Side Slope	3.00 ft/ft (H:V)
Bottom Width	11.00 ft
Discharge	49.00 ft³/s
Results	
Normal Depth	1.36 ft
Flow Area	20.46 ft²
Wetted Perimeter	19.59 ft
Hydraulic Radius	1.04 ft
Top Width	19.15 ft
Critical Depth	0.79 ft
Critical Slope	0.02084 ft/ft
Velocity	2.39 ft/s
Velocity Head	0.09 ft
Specific Energy	1.45 ft
Froude Number	0.41
Flow Type	Subcritical
GVF Input Data	
Downstream Depth	0.00 ft
Length	0.00 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.00 ft
Profile Description	0.00 ft
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	1.36 ft
Critical Depth	0.79 ft
Channel Slope	0.00300 ft/ft



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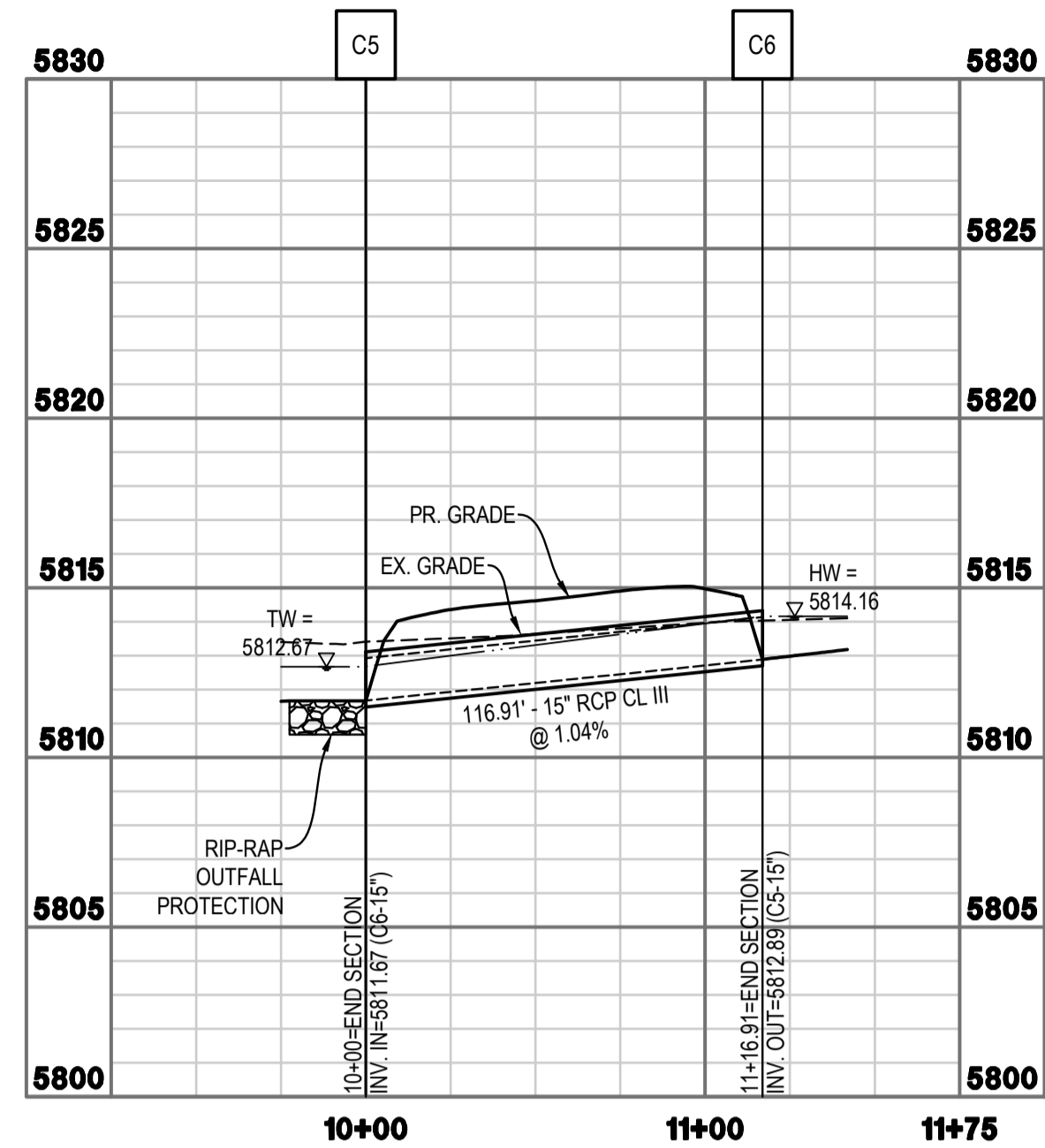
ATRISCO VISTA BLVD CULVERT PROFILE AND COMPS
ALBUQUERQUE NATIONAL CEMETERY
 ALBUQUERQUE, NEW MEXICO

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 ENGINEERING DIVISION

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		CITY PROJECT NO. 657499

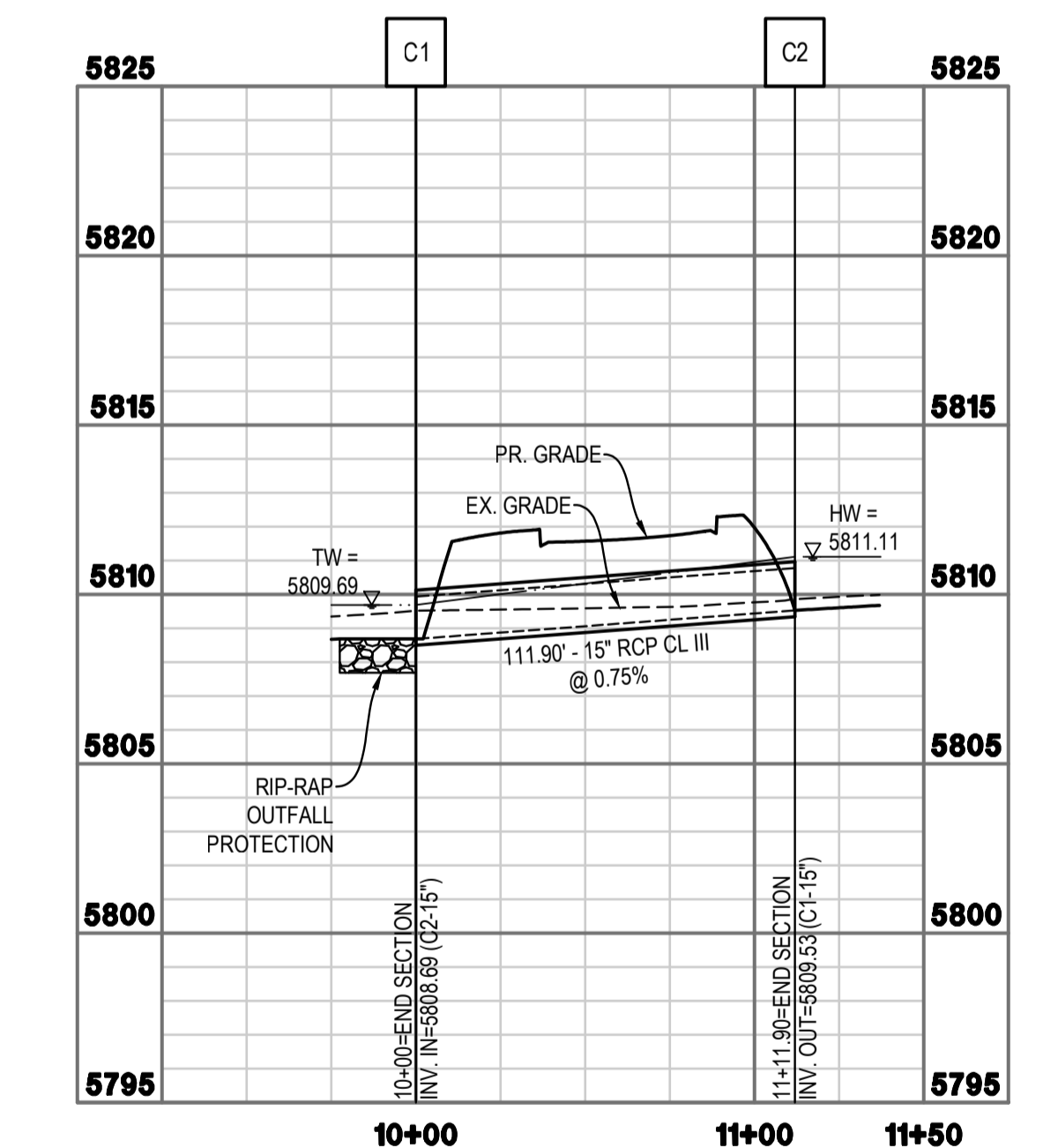
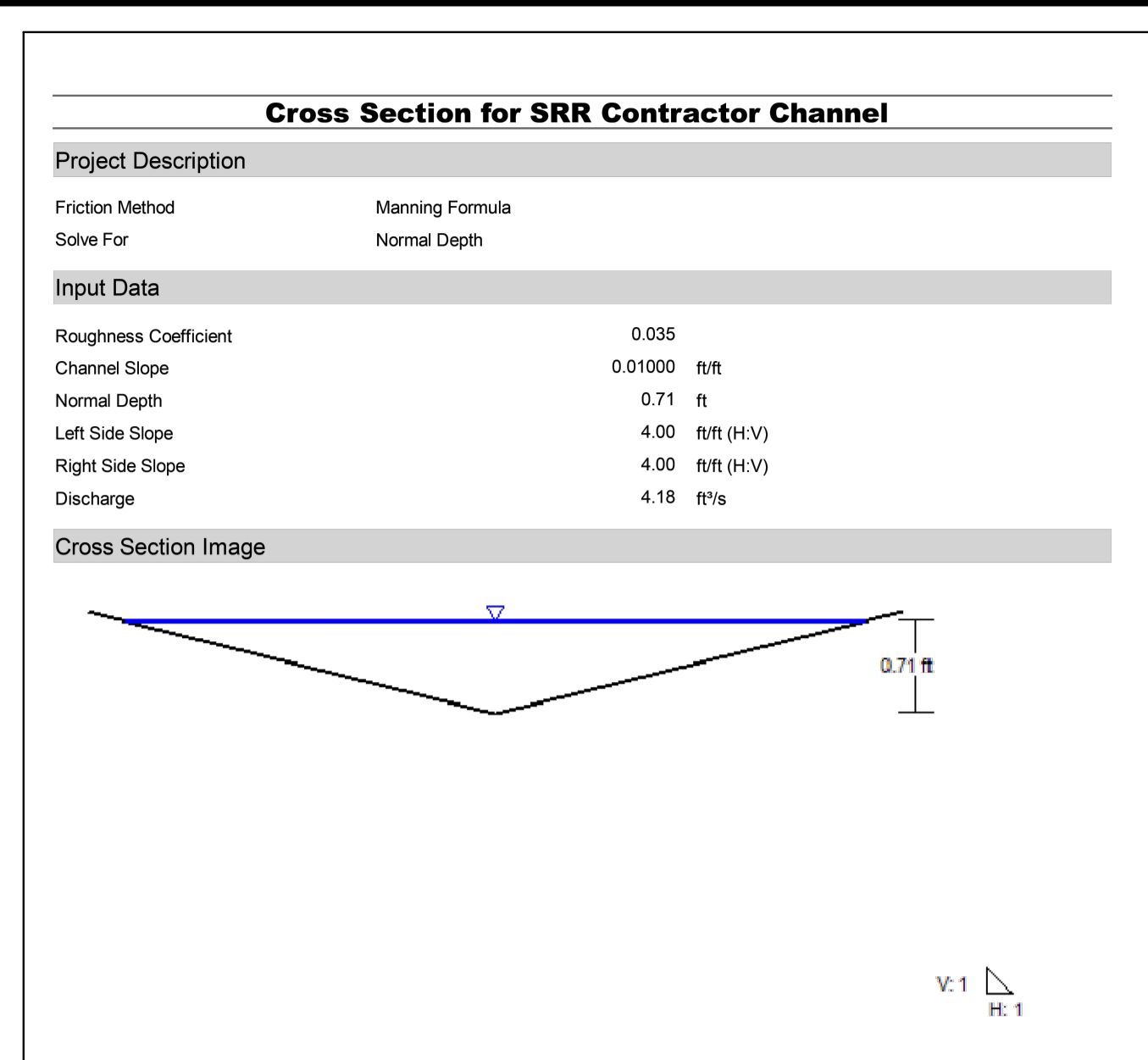
SCALE:	HORIZ: N/A
	VERT: N/A
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JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CU271.DWG
NCS:	CU271
SHEET:	16 OF 23



Culvert C6-C5			
Area to C6 (SF)	44803.9525	C	CA
Imp Area (SF)	21659.929	0.9	19493.94
Perv Area (SF)	23144.0235	0.3	6943.207
TOTAL			26437.14
C=	0.59		
I100=	6.88		
A=	1.03		
Q100	4.18		

Culvert Calculator Report C6-C5			
Solve For: Headwater Elevation			
Culvert Summary			
Allowable HW Elevation	5,814.90 ft	Headwater Depth/Height	1.01
Computed Headwater Elev	5,814.16 ft	Discharge	4.18 cfs
Inlet Control HW Elev.	5,814.11 ft	Tailwater Elevation	5,812.67 ft
Outlet Control HW Elev.	5,814.16 ft	Control Type	Entrance Control
Grades			
Upstream Invert	5,812.89 ft	Downstream Invert	5,811.67 ft
Length	116.91 ft	Constructed Slope	0.010435 ft/ft
Hydraulic Profile			
Profile	CompositeS152	Depth, Downstream	1.00 ft
Slope Type	Steep	Normal Depth	0.69 ft
Flow Regime	N/A	Critical Depth	0.83 ft
Velocity Downstream	3.97 ft/s	Critical Slope	0.005917 ft/ft
Section			
Section Shape	Circular	Manning's Coefficient	0.012
Section Material	HDPE (Smooth Interior)	Span	1.25 ft
Section Size	15 inch	Rise	1.25 ft
Number Sections	1		
Outlet Control Properties			
Outlet Control HW Elev.	5,814.16 ft	Upstream Velocity Head	0.37 ft
Ke	0.20	Entrance Loss	0.07 ft
Inlet Control Properties			
Inlet Control HW Elev.	5,814.11 ft	Flow Control	N/A
Inlet Type	Beveled ring, 33.7° bevels	Area Full	1.2 ft²
K	0.00180	HDS 5 Chart	3
M	2.50000	HDS 5 Scale	B
C	0.02430	Equation Form	1
Y	0.83000		

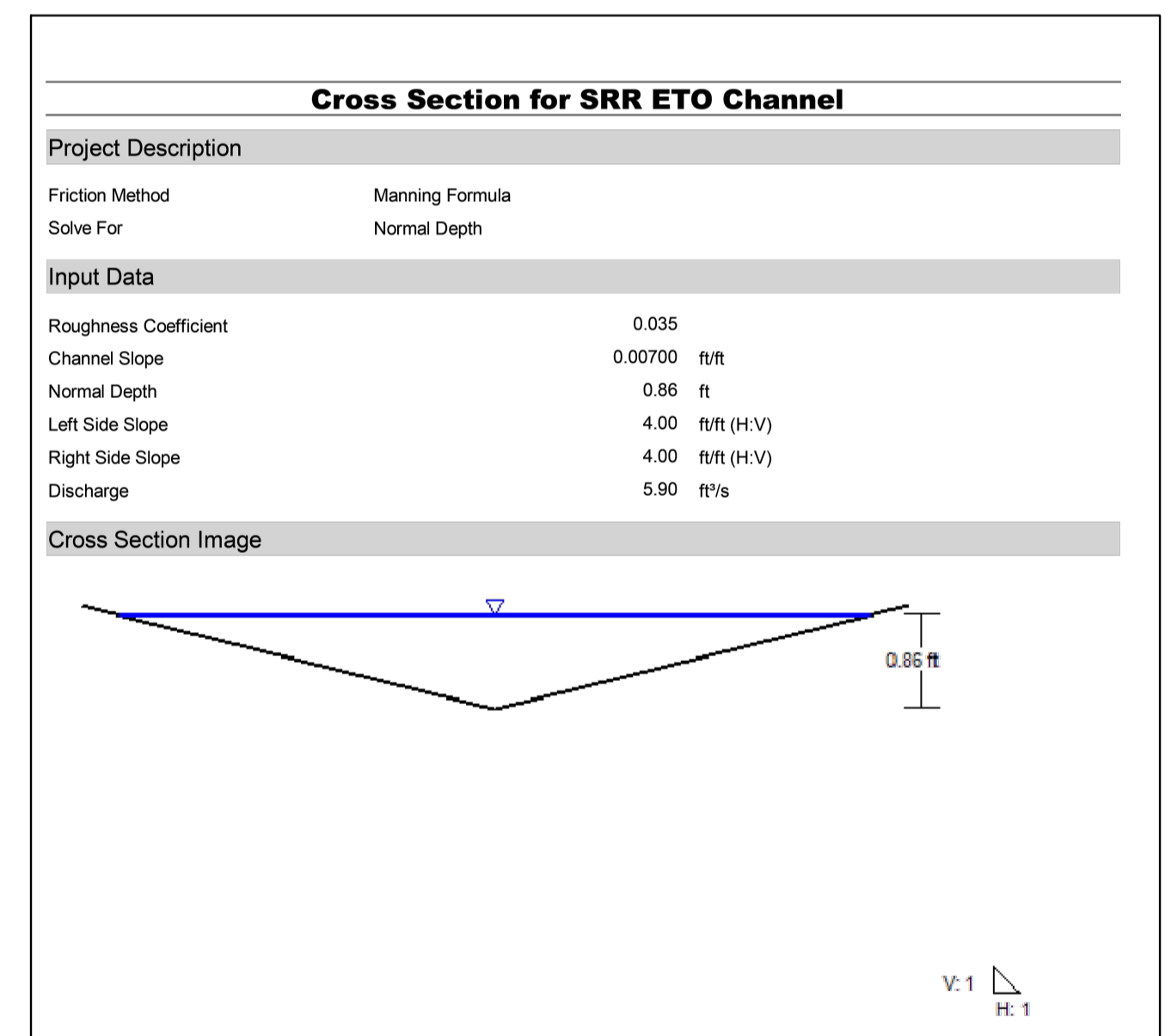
Worksheet for SRR Contractor Channel	
Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth
Input Data	
Roughness Coefficient	0.035
Channel Slope	0.01000 ft/ft
Left Side Slope	4.00 ft/ft (H:V)
Right Side Slope	4.00 ft/ft (H:V)
Discharge	4.18 ft³/s
Results	
Normal Depth	0.71 ft
Flow Area	2.01 ft²
Wetted Perimeter	5.84 ft
Hydraulic Radius	0.34 ft
Top Width	5.67 ft
Critical Depth	0.58 ft
Critical Slope	0.02802 ft/ft
Velocity	2.08 ft/s
Velocity Head	0.07 ft
Specific Energy	0.78 ft
Froude Number	0.62
Flow Type	Subcritical
GVF Input Data	
Downstream Depth	0.00 ft
Length	0.00 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.00 ft
Profile Description	
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	0.71 ft
Critical Depth	0.58 ft
Channel Slope	0.01000 ft/ft
Critical Slope	0.02802 ft/ft



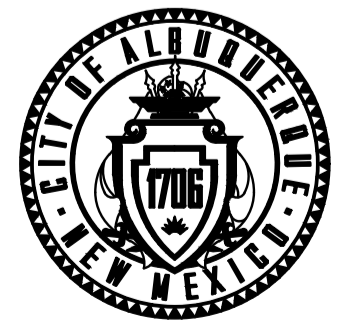
Culvert C2-C1			
Area to C2 (SF)	63456.817	C	CA
Imp Area (SF)	30525.1494	0.9	27472.63
Perv Area (SF)	32931.6676	0.3	9879.5
TOTAL			37352.13
C=	0.59		
I100=	6.88		
A=	1.46		
Q100	5.90		

Culvert Calculator Report C2-C1			
Solve For: Headwater Elevation			
Culvert Summary			
Allowable HW Elevation	5,811.65 ft	Headwater Depth/Height	1.28
Computed Headwater Elev	5,811.12 ft	Discharge	5.90 cfs
Inlet Control HW Elev.	5,811.12 ft	Tailwater Elevation	5,809.69 ft
Outlet Control HW Elev.	5,811.12 ft	Control Type	Inlet Control
Grades			
Upstream Invert	5,809.53 ft	Downstream Invert	5,808.69 ft
Length	112.00 ft	Constructed Slope	0.007500 ft/ft
Hydraulic Profile			
Profile	M1	Depth, Downstream	1.00 ft
Slope Type	Mild	Normal Depth	1.00 ft
Flow Regime	Subcritical	Critical Depth	0.98 ft
Velocity Downstream	5.61 ft/s	Critical Slope	0.007705 ft/ft
Section			
Section Shape	Circular	Manning's Coefficient	0.012
Section Material	HDPE (Smooth Interior)	Span	1.25 ft
Section Size	15 inch	Rise	1.25 ft
Number Sections	1		
Outlet Control Properties			
Outlet Control HW Elev.	5,811.12 ft	Upstream Velocity Head	0.49 ft
Ke	0.20	Entrance Loss	0.10 ft
Inlet Control Properties			
Inlet Control HW Elev.	5,811.12 ft	Flow Control	Submerged
Inlet Type	Beveled ring, 33.7° bevels	Area Full	1.2 ft²
K	0.00180	HDS 5 Chart	3
M	2.50000	HDS 5 Scale	B
C	0.02430	Equation Form	1
Y	0.83000		

Worksheet for SRR ETO Channel	
Project Description	
Friction Method	Manning Formula
Solve For	Normal Depth
Input Data	
Roughness Coefficient	0.035
Channel Slope	0.00700 ft/ft
Left Side Slope	4.00 ft/ft (H:V)
Right Side Slope	4.00 ft/ft (H:V)
Discharge	5.90 ft³/s
Results	
Normal Depth	0.86 ft
Flow Area	2.97 ft²
Wetted Perimeter	7.11 ft
Hydraulic Radius	0.42 ft
Top Width	6.90 ft
Critical Depth	0.67 ft
Critical Slope	0.02676 ft/ft
Velocity	1.99 ft/s
Velocity Head	0.06 ft
Specific Energy	0.92 ft
Froude Number	0.53
Flow Type	Subcritical
GVF Input Data	
Downstream Depth	0.00 ft
Length	0.00 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.00 ft
Profile Description	
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	0.86 ft
Critical Depth	0.67 ft
Channel Slope	0.00700 ft/ft
Critical Slope	0.02676 ft/ft



CITY OF ALBUQUERQUE NOTE:
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		CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
		DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
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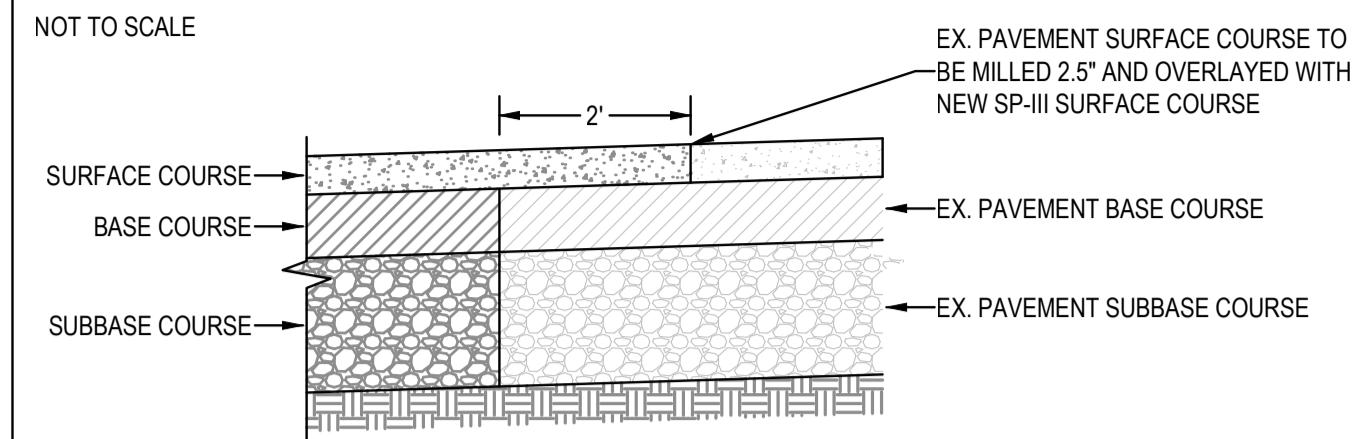
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SHOOTING RANGE RD CULVERT PROFILES AND COMPUTATIONS
ALBUQUERQUE NATIONAL CEMETERY
 ALBUQUERQUE, NEW MEXICO

SCALE:	HORIZ: N/A
	VERT: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CU271.DWG
NCS:	CU273
SHEET:	18 OF 23

MILL AND OVERLAY DETAIL:

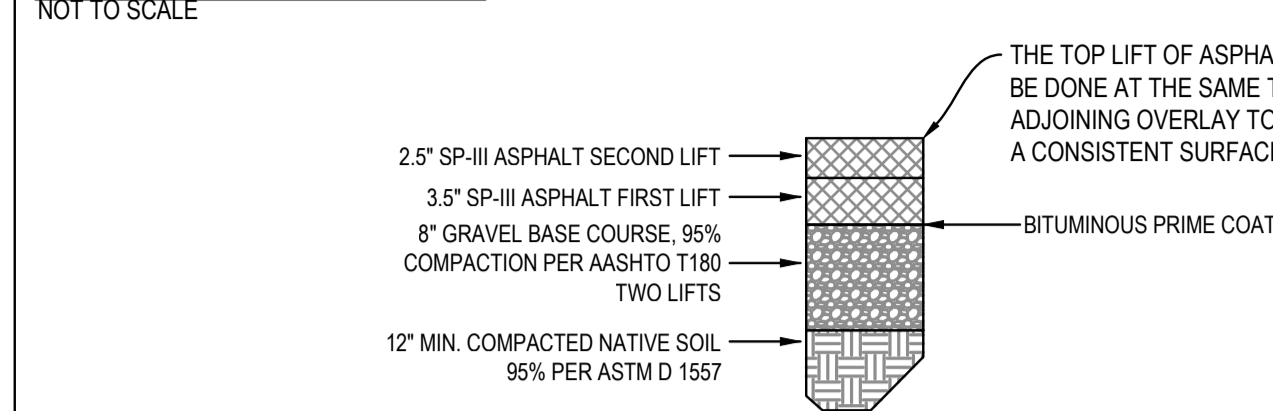


- NOTES:
- SAW CUT EX. PAVEMENT SURFACE COURSE. BOTTOM AND ALL SIDES OF SAW CUT TO BE PAINTED WITH BITUMINOUS MATERIAL PRIOR TO PLACING PAVEMENT SURFACE.
 - CONTRACTOR SHALL ENSURE THAT NO WATER IS TRAPPED BETWEEN EXISTING AND PROPOSED PAVEMENT AFTER THE CUTTING OPERATIONS HAVE BEEN PERFORMED.

3 MILL AND OVERLAY DETAIL

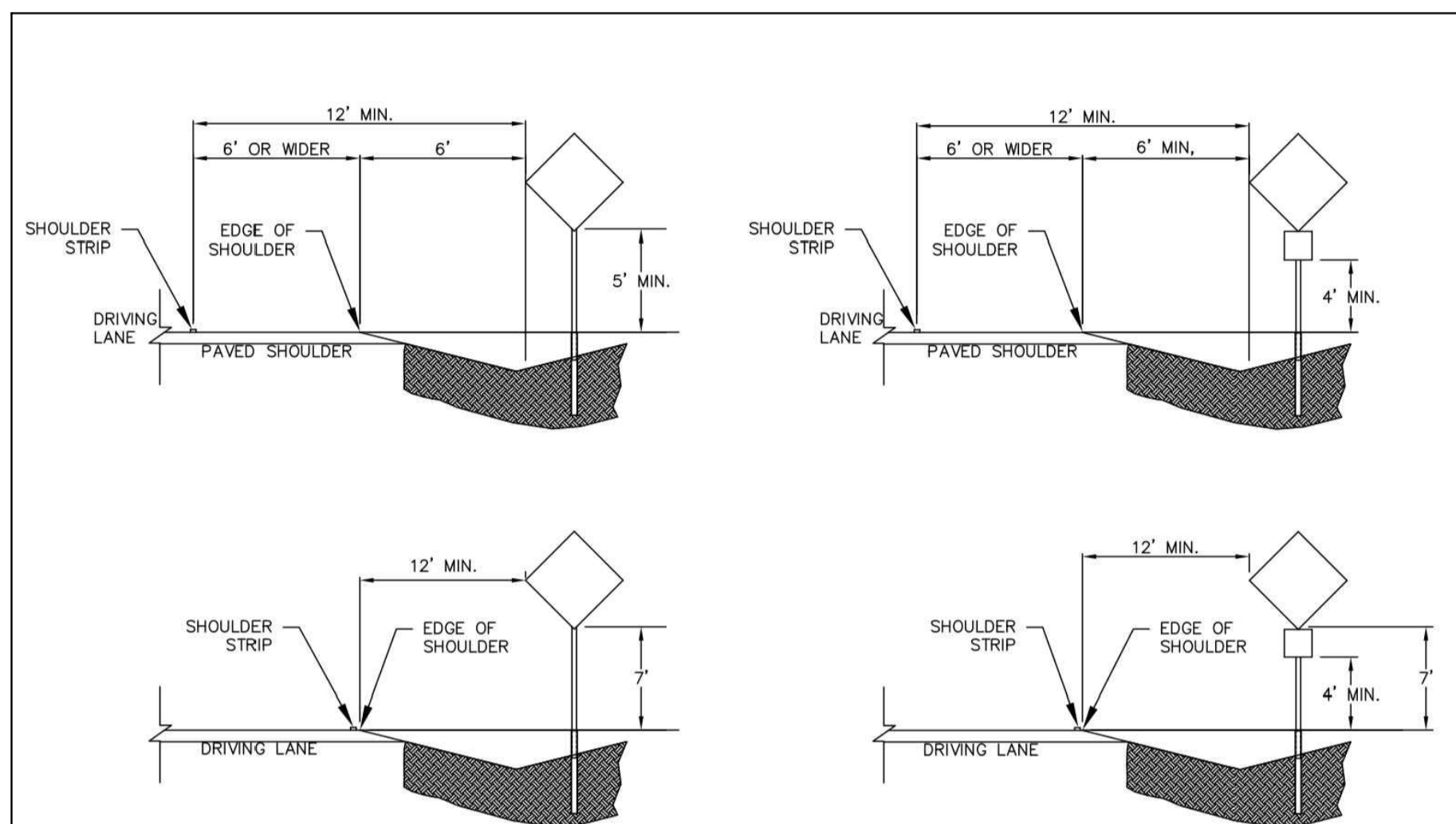
NOT TO SCALE

ATRISCO VISTA BLVD AND SHOOTING RANGE ROAD ASPHALT PAVEMENT TYPICAL:



4 ATRISCO VISTA ASPHALT BLVD AND SHOOTING RANGE ROAD PAVEMENT TYPICAL SECTION

NOT TO SCALE



ROADSIDE SIGN IN RURAL AREAS

- GENERAL NOTES:
- HORIZONTAL CLEARANCES APPLY TO INSTALLATIONS LEFT AND RIGHT SIDE OF ROADWAY.
 - SUPPLEMENTAL SIGNS SHALL NOT BE ATTACHED DIRECTLY TO PRIMARY PANEL INSTALLATIONS.
 - SPACING BETWEEN SUPPLEMENTAL PANELS AND PRIMARY PANELS SHALL NOT EXCEED 6'.

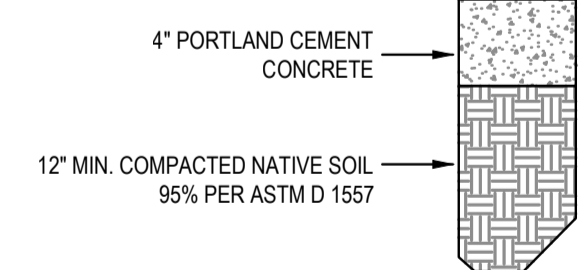
7 SIGN INSTALLATION DETAIL

NOT TO SCALE

REVISIONS	CITY OF ALBUQUERQUE
	PAVING CURB AND GUTTER AND CURB CUT DETAILS
	DWG. 2415A FEBRUARY 2021

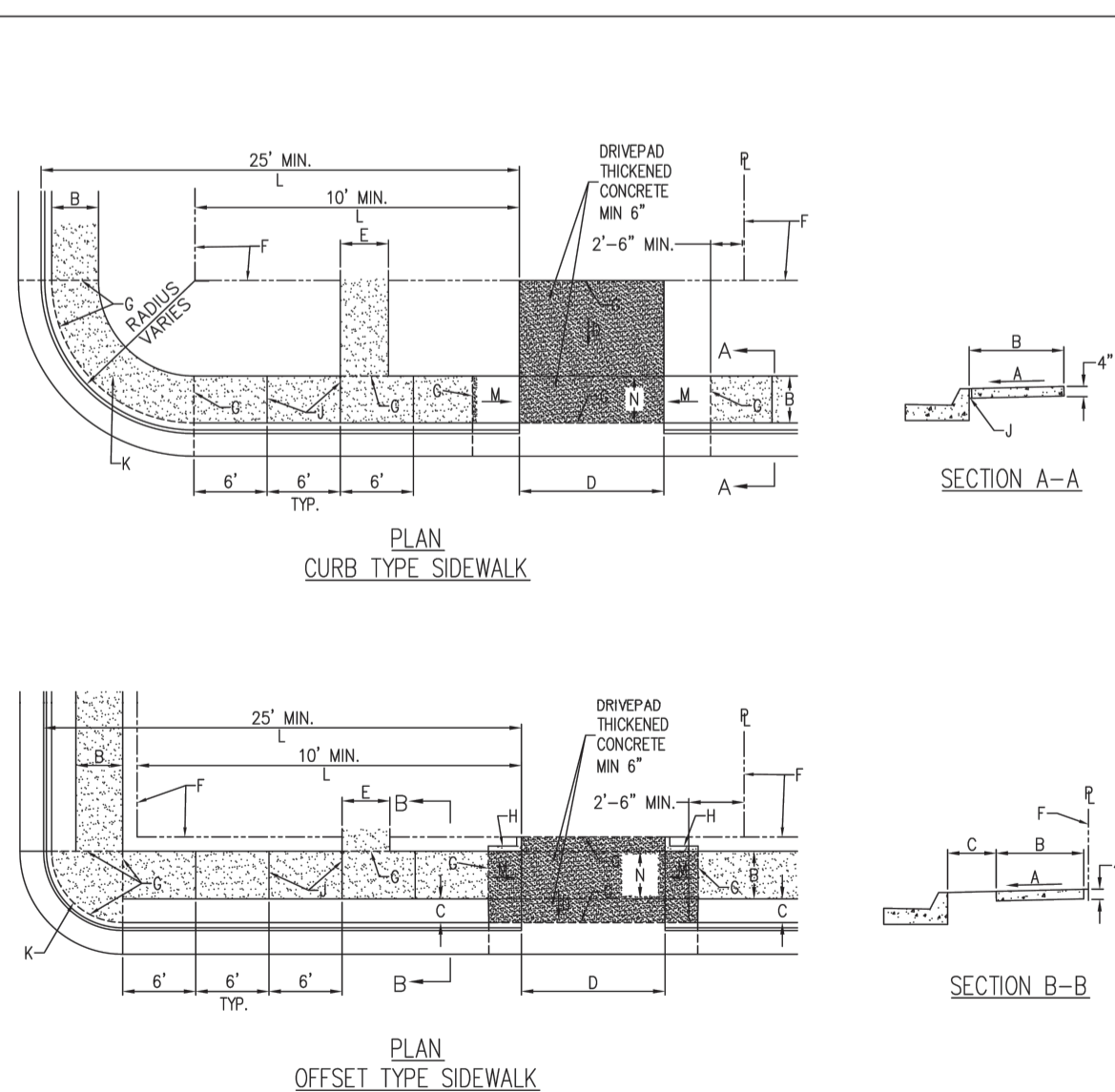
CONCRETE SIDEWALK TYPICAL:

NOT TO SCALE



9 CONCRETE SIDEWALK ALONG ATRISCO VISTA BLVD

NOT TO SCALE

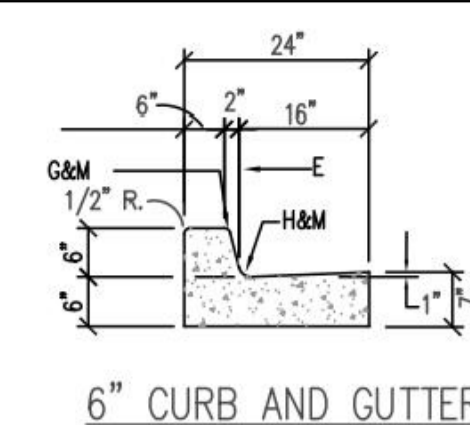


9 CONCRETE SIDEWALK ALONG ATRISCO VISTA BLVD

NOT TO SCALE

- GENERAL NOTES:
- DEVIATIONS FROM THESE STANDARDS SHALL BE SUBMITTED TO THE CITY ENGINEER AND/OR CITY TRAFFIC ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
 - SUBGRADE UNDER SIDEWALKS AND DRIVEPADS SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 301.
 - FOR SIDEWALKS LESS THAN 60" WIDE ON ACCESSIBLE ROUTE, PASSING SPACE AT LEAST 60" X 60" SHALL BE PROVIDED AT LEAST EVERY 200 FT.
 - GRATINGS LOCATED IN WALKING SURFACE SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN DIRECTION OF TRAVEL IF OPENINGS ARE ELONGATED. LONG DIMENSION SHALL BE PLACED PERPENDICULAR TO DIRECTION OF TRAVEL.
 - ALONG THE ACCESSIBLE ROUTE, CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELLED WITH A SLOPE NO GREATER THAN 2:1. CHANGES IN LEVEL GREATER THAN 1/2" REQUIRE A RAMP.
 - PROVIDE A MINIMUM SIDEWALK WIDTH OF 4' AROUND OBSTACLES FOR ADA ACCESS.
 - SEE COA STD DWG 2425A AND 2425B FOR DRIVEPAD DETAILS.
- CONSTRUCTION NOTES:
- SLOPE 2% MAX. 1.5% PREFERRED SLOPE.
 - 5' MIN. SIDEWALK WIDTH. SIDEWALK WIDTH SHALL BE IN ACCORDANCE WITH CHAPTER 23 OF DEVELOPMENT PROCESS MANUAL.
 - SEBACK TO BE DETERMINED BY AVAILABLE RIGHT-OF-WAY. SEE CHAPTER 7 OF DEVELOPMENT PROCESS MANUAL. ALSO SEE COA STD. DWG. 2414 FOR LANDSCAPE BUFFER.
 - SEE DRIVEPAD DETAILS, DWG. 2425A AND 2425B.
 - WALKWAY VARIABLE (4' MINIMUM).
 - PROPERTY LINE.
 - 1/2" EXPANSION JOINTS WHERE SIDEWALK OR DRIVEPAD ADJUTS BUILDINGS, FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
 - HEADER CURB OR INTEGRAL CURB AS REQUIRED TO MEET GRADE AT BACK OF SIDEWALK. SEE STD. DWG. 2415.
 - CONTRACTION JOINTS.
 - FOR CURB ACCESS RAMPS, SEE DWG. 2440 THROUGH 2445.
 - CHECK DIMENSION FROM BOTH PROPERTY LINE AND FROM LINE USE IN AREAS WHERE DRIVEPAD IS FARTHEST FROM INTERSECTION.
 - RAMP AS REQUIRED TO MEET DRIVEPAD GRADE. 8.3% MAX. SLOPE, 7% PREFERRED SLOPE.
 - ADA ACCESSIBLE PATHWAY. 2% MAX. CROSS-SLOPE. 1.5% PREFERABLE CROSS-SLOPE.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING SIDEWALK DETAILS
	DWG. 2430 JUNE 2019



5 CURB AND GUTTER DETAILS

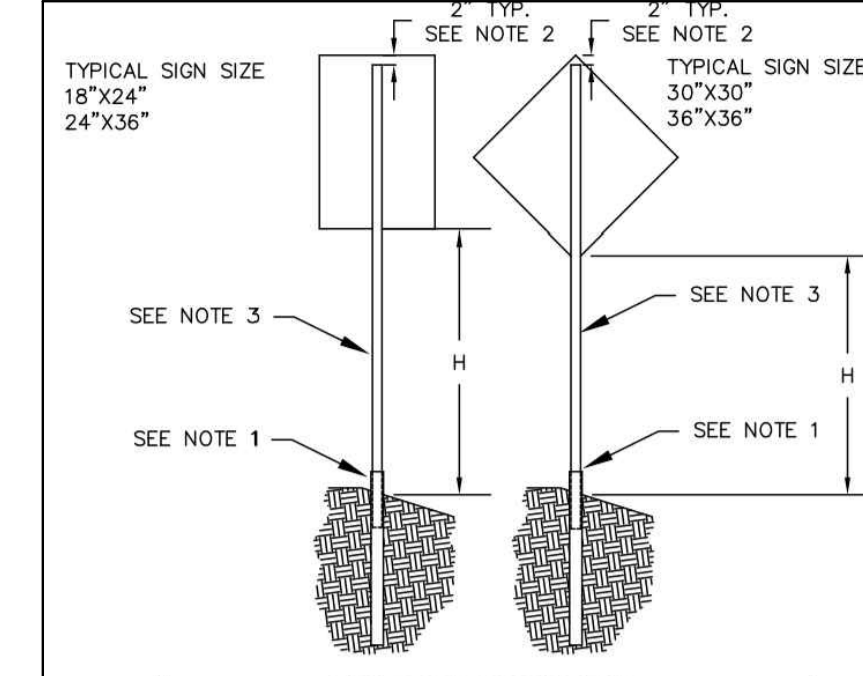
NOT TO SCALE

- GENERAL NOTES:
- CURB, GUTTER AND CUT-OFF WALL WILL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PCC).
 - FOR STANDARD AND MEDIAN C & G ADJACENT TO ASPHALT CONCRETE (AC) PAVEMENT, PROVIDE CONTRACTION JOINTS AT 12' MAX. SPACING. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES. 1/2" EXPANSION JOINTS TO BE INSTALLED AT CURB RETURNS AND AT A MAXIMUM SPACING OF 200' BETWEEN CURB RETURNS AND SEPARATELY CONSTRUCTED DRIVEWAYS.
 - FOR ALL OTHER C & G AND CUT-OFF WALL PROVIDE CONTRACTION JOINTS AT 10' MAX SPACING, 1/2" EXPANSION JOINTS AT CURB RETURNS & AT A MAXIMUM SPACING OF 100' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT ALL FINISHED FACES. REINFORCEMENT SHALL NOT BE USED IN CUT-OFF WALLS.
 - FOR C & G CONSTRUCTED WITH PCC PAVEMENT, CONTRACTION JOINTS AND EXPANSION JOINTS SHALL BE THE SAME AS THE PAVEMENT JOINTS.
 - ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
 - REMOVE & REPLACE PAVEMENT 1' WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING AC PAVEMENT.
 - 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN CAST ADJACENT TO EACH OTHER.
 - ADA = AMERICANS WITH DISABILITY ACT.

CONSTRUCTION NOTES

SEE COA DRAWING 2415B

REVISIONS	CITY OF ALBUQUERQUE
	PAVING CURB AND GUTTER AND CURB CUT DETAILS
	DWG. 2415A FEBRUARY 2021

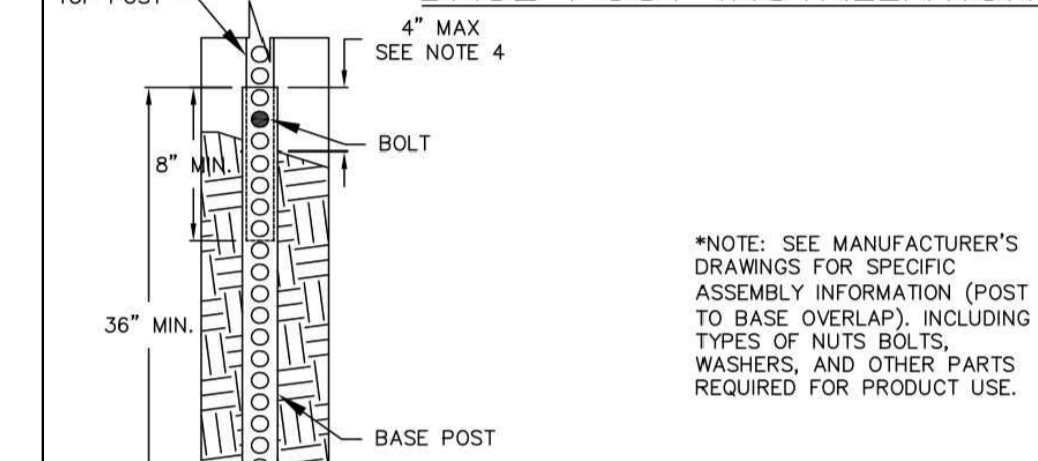


SIGN POST REQUIREMENTS			
POST TYPE	POST SIZE	MAX. CLEAR HEIGHT (FT.)	MAX. SIGN AREA (SQ. FT.)
SQUARE TUBING	2"x2" (12 GA.)	8	8
SQUARE TUBING	2"x2" (12 GA.)	8	8
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SINGLE POST INSTALLATION

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

BASE POST INSTALLATION



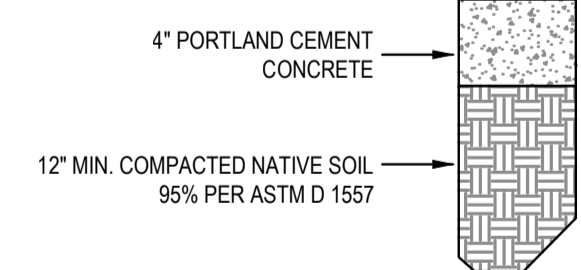
6 SIGN POST DETAIL

NOT TO SCALE

REVISIONS	CITY OF ALBUQUERQUE
	SIGN SUPPORT INSTALLATION DETAILS
	DWG. 2600-702 NOVEMBER 2019

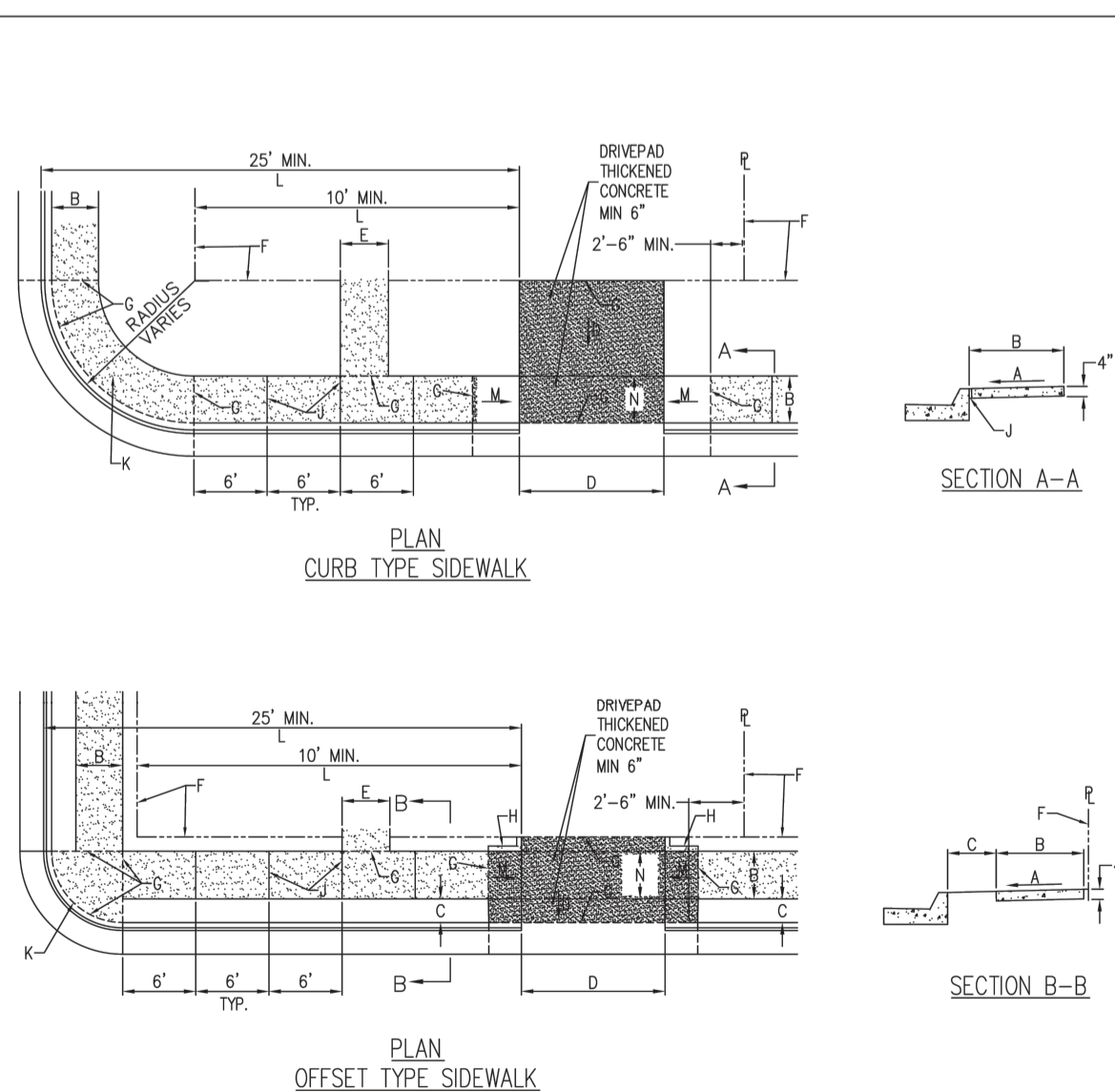
CONCRETE SIDEWALK TYPICAL:

NOT TO SCALE



9 CONCRETE SIDEWALK ALONG ATRISCO VISTA BLVD

NOT TO SCALE

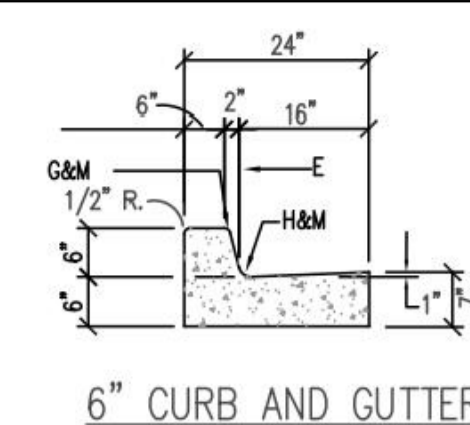


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- CONSTRUCTION NOTES:
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REVISIONS	CITY OF ALBUQUERQUE
	PAVING SIDEWALK DETAILS
	DWG. 2430 JUNE 2019



5 CURB AND GUTTER DETAILS

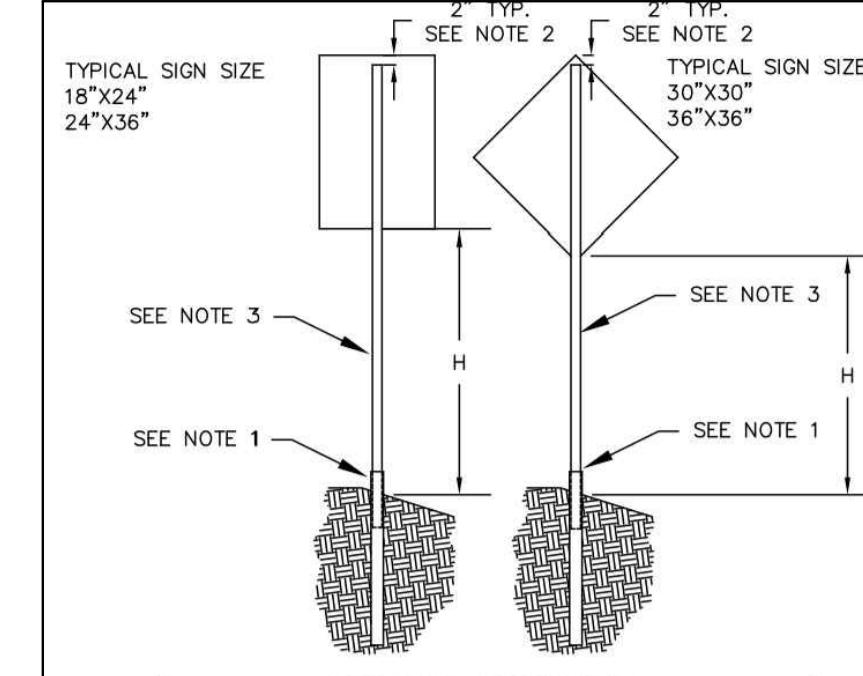
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CONSTRUCTION NOTES

SEE COA DRAWING 2415B

REVISIONS	CITY OF ALBUQUERQUE
	PAVING CURB AND GUTTER AND CURB CUT DETAILS
	DWG. 2415A FEBRUARY 2021

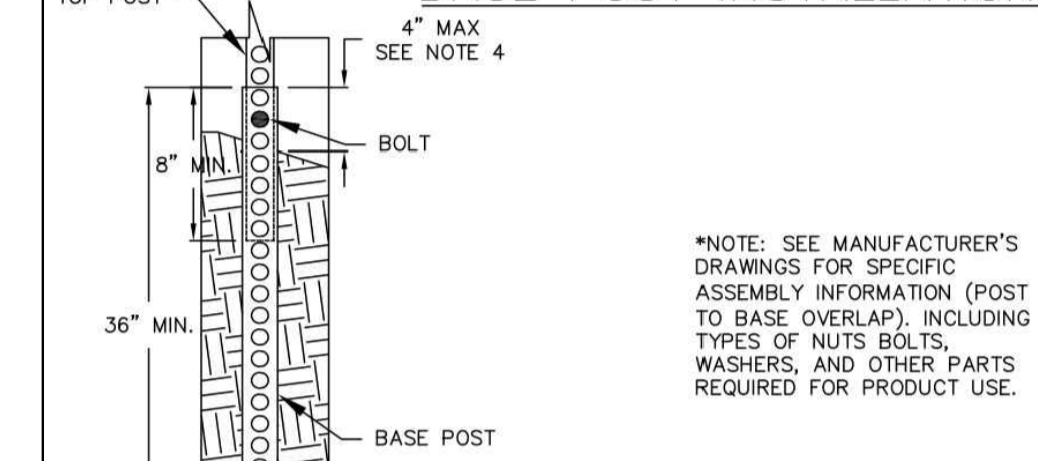


SIGN POST REQUIREMENTS			
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SQUARE TUBING	2"x2" (12 GA.)	7	10

SINGLE POST INSTALLATION

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

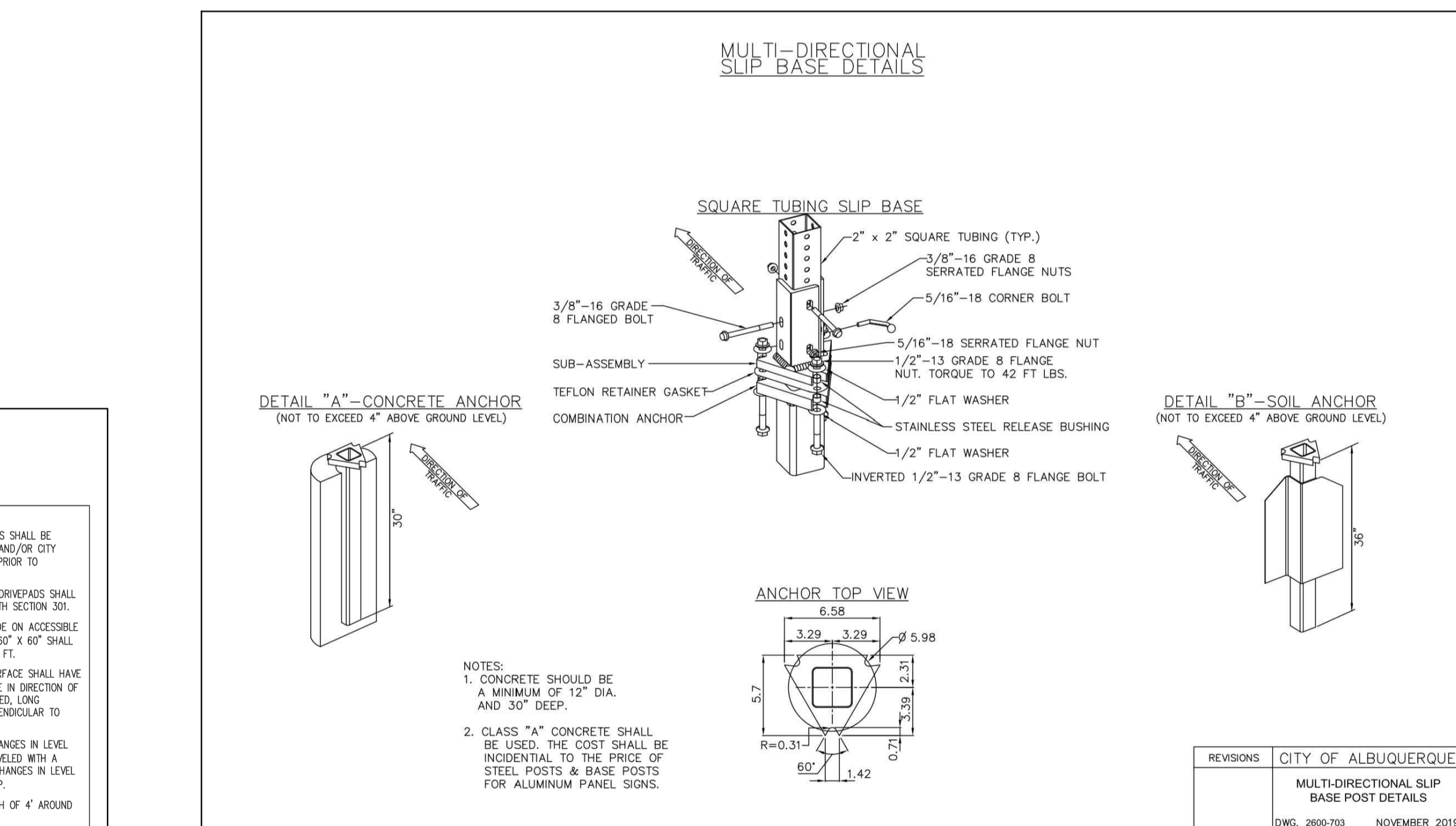
BASE POST INSTALLATION



6 SIGN POST DETAIL

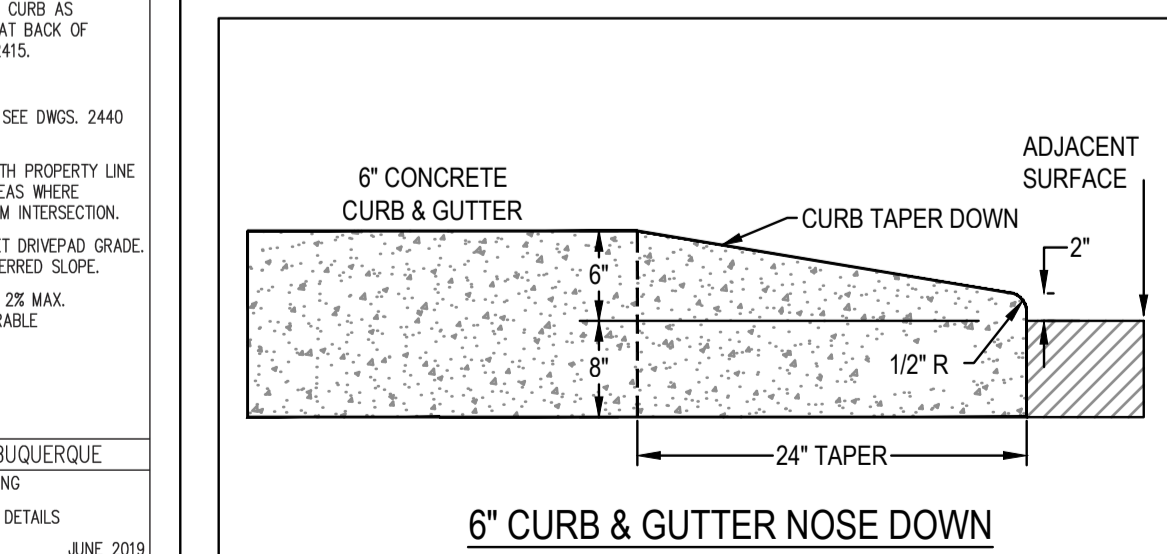
NOT TO SCALE

REVISIONS	CITY OF ALBUQUERQUE
	SIGN SUPPORT INSTALLATION DETAILS
	DWG. 2600-702 NOVEMBER 2019



8 SIGN POST DETAIL

NOT TO SCALE



10 NOSE DOWN 6" CURB & GUTTER

NOT TO SCALE

CITY OF ALBUQUERQUE NOTE: GRADING OUTSIDE OF THE RIGHT OF WAY IS NOT PART OF THE CITY OF ALBUQUERQUE'S WORK ORDER.

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

SCALE: HORIZ: N/A VERT: N/A
DATE: MAY 2024
JOB: 5041-0101
DRAWN: CTW CHECK: BJS
CADD: CT501.DWG
NCS: CT501
SHEET: 20 OF 23

INTEGRITY FEDERAL SERVICES

CIVIL ENGINEERING • LANDSCAPE ARCHITECTURE • CONSTRUCTION MANAGEMENT

148 S. Queen Street, Suite 201 • Phone: 304-725-8456
Martinsburg, WV 25101 • www.ifs-ac.com

SEAL:

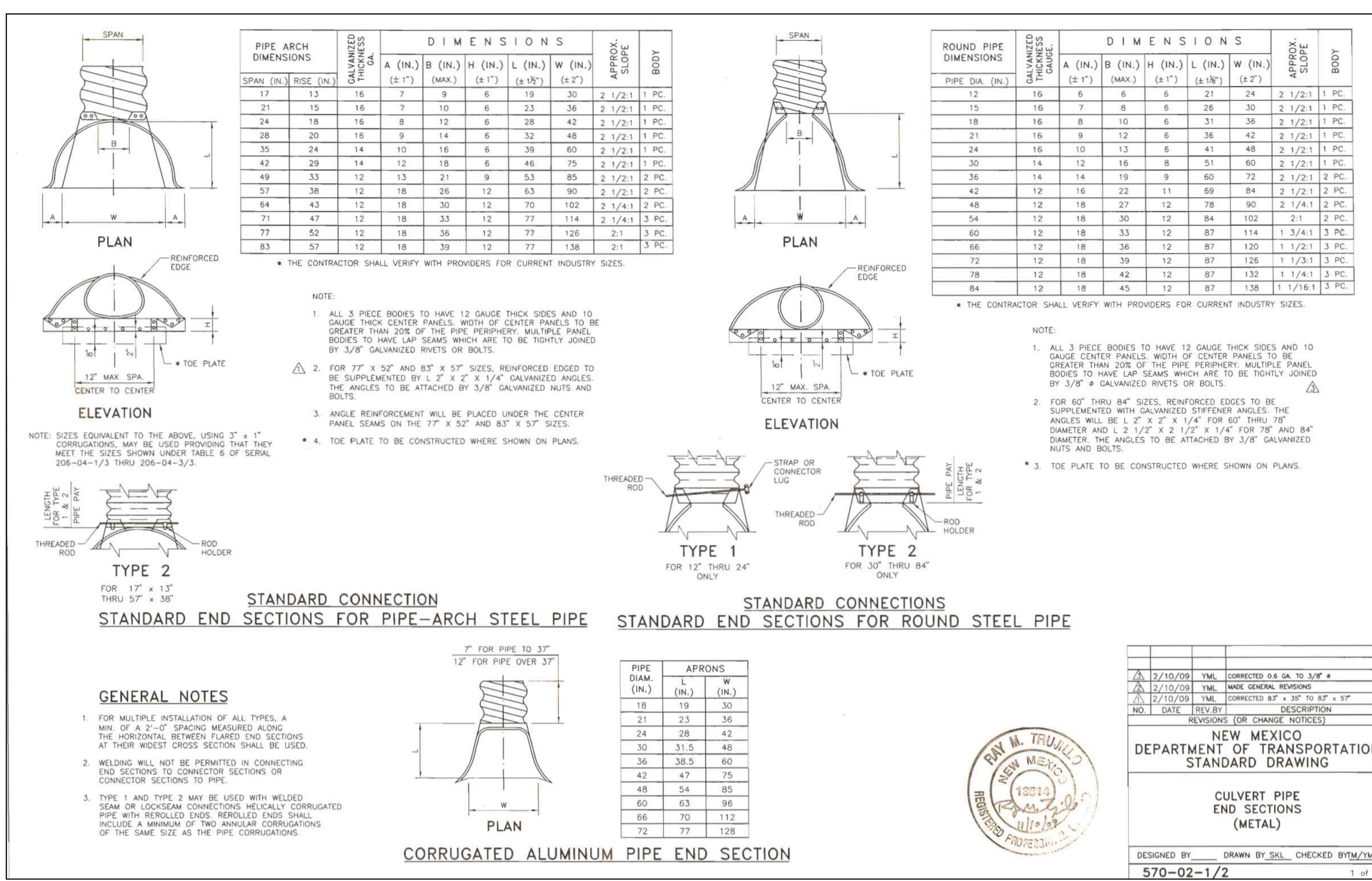
REVISIONS
1. 10/11/2024 - CITY COMMENTS
2. 11/13/2024 - CITY COMMENTS
3. 01/01/2025 - CITY AND COUNTY COMMENTS
4. 02/27/2025 - CITY COMMENTS
5. 03/07/2025 - CITY COMMENTS
6. 08/29/2025 - CITY COMMENTS

ROAD IMPROVEMENT AND ENTRANCE PLAN DETAILS

ALBUQUERQUE NATIONAL CEMETERY

ALBUQUERQUE, NEW MEXICO

1. ALL CITY OF ALBUQUERQUE DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION. 2. ALL DIMENSIONS SHALL BE IN UNITS OF FEET AND INCHES UNLESS OTHERWISE NOTED. 3. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. 4. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 5. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 6. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 7. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 8. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 9. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 10. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 11. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 12. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 13. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED. 14. 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GENERAL NOTES:

- WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.
- CONCRETE SHALL CONFORM TO SECTIONS 511 - CONCRETE STRUCTURES. CONCRETE SHALL BE CLASS AA. APPLY PENETRATING WATER REPELLENT PER SECTION 532.
- REINFORCING STEEL (REBAR) SHALL CONFORM TO SECTION 540 - STEEL REINFORCEMENT.
- THE CORRUGATED METAL PIPE (CMP) SHALL BE ANCHORED TO THE HEADWALL WITH A DOUBLE-NUTTED THREADED ROD. THIS COST SHALL BE INCIDENTAL TO THE CONCRETE. ANCHOR RODS ARE NOT REQUIRED FOR CONCRETE PIPE.
- INSTALL SWELLABLE HYDROPHILIC WATERSTOP AT THE PIPE TO HEADWALL INTERFACE FOR BOTH CMP AND CONCRETE PIPE IN ACCORDANCE WITH SECTION 511.
- WHILE THE DETAILS ON THESE DRAWINGS ARE FOR A TYPICAL CULVERT WITH 2 PIPES, THIS DRAWING APPLIES TO CULVERT HEADWALLS WITH ANY NUMBER OF PIPES. THE CENTRAL PORTION OF THE WALL OF LENGTH 12' IS REPEATED AS MANY TIMES AS REQUIRED BY THE NUMBER OF PIPES.

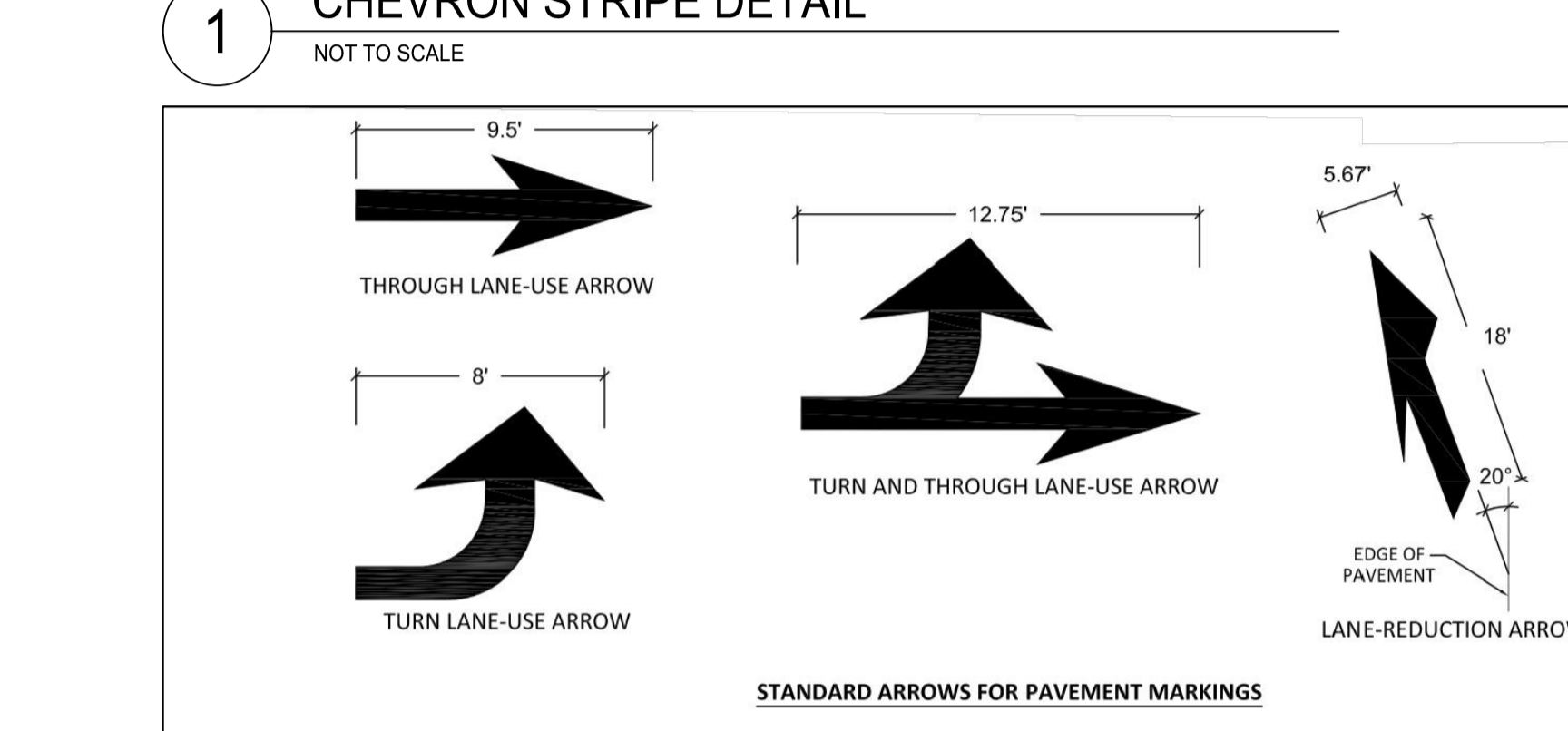
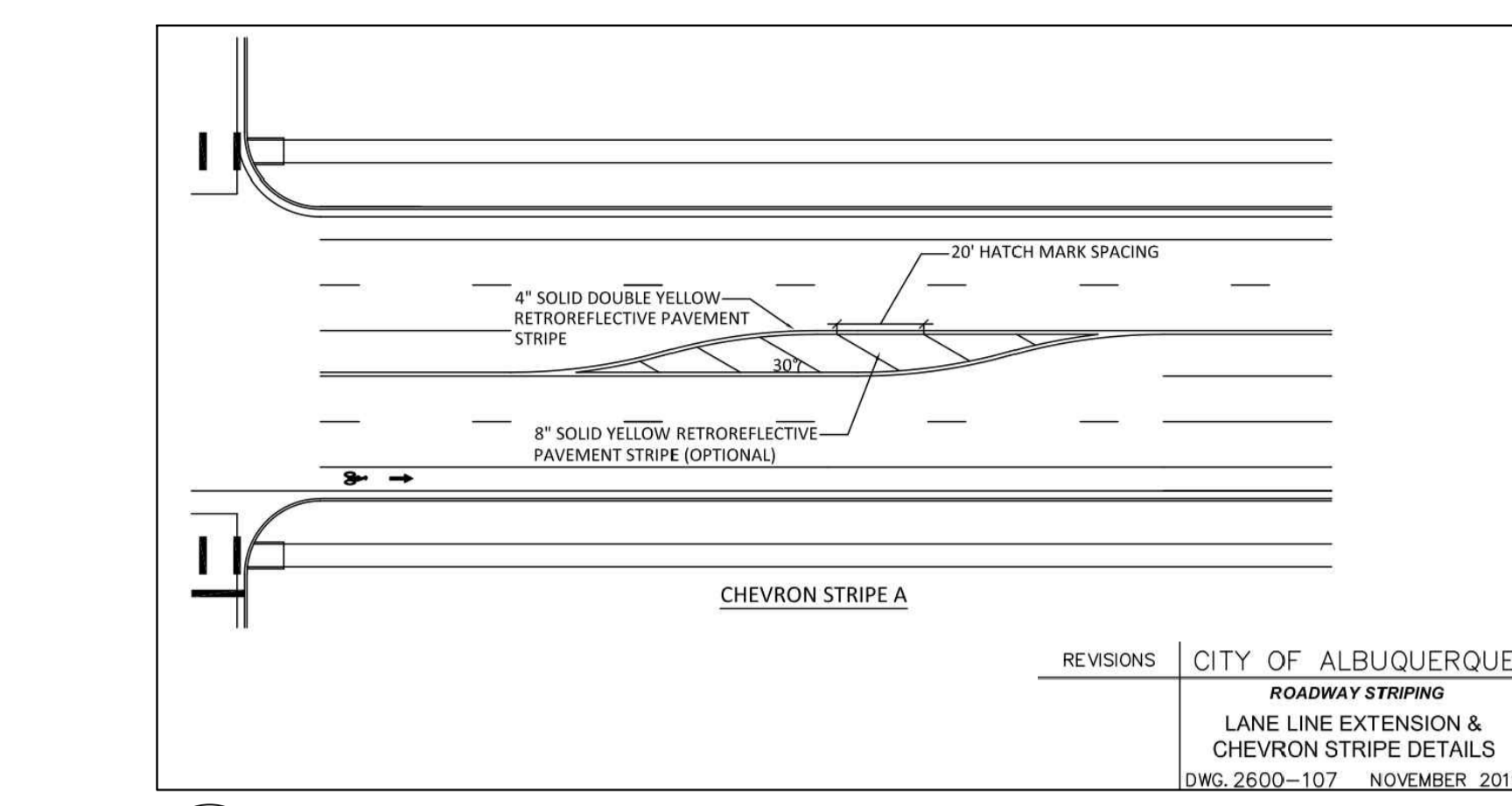
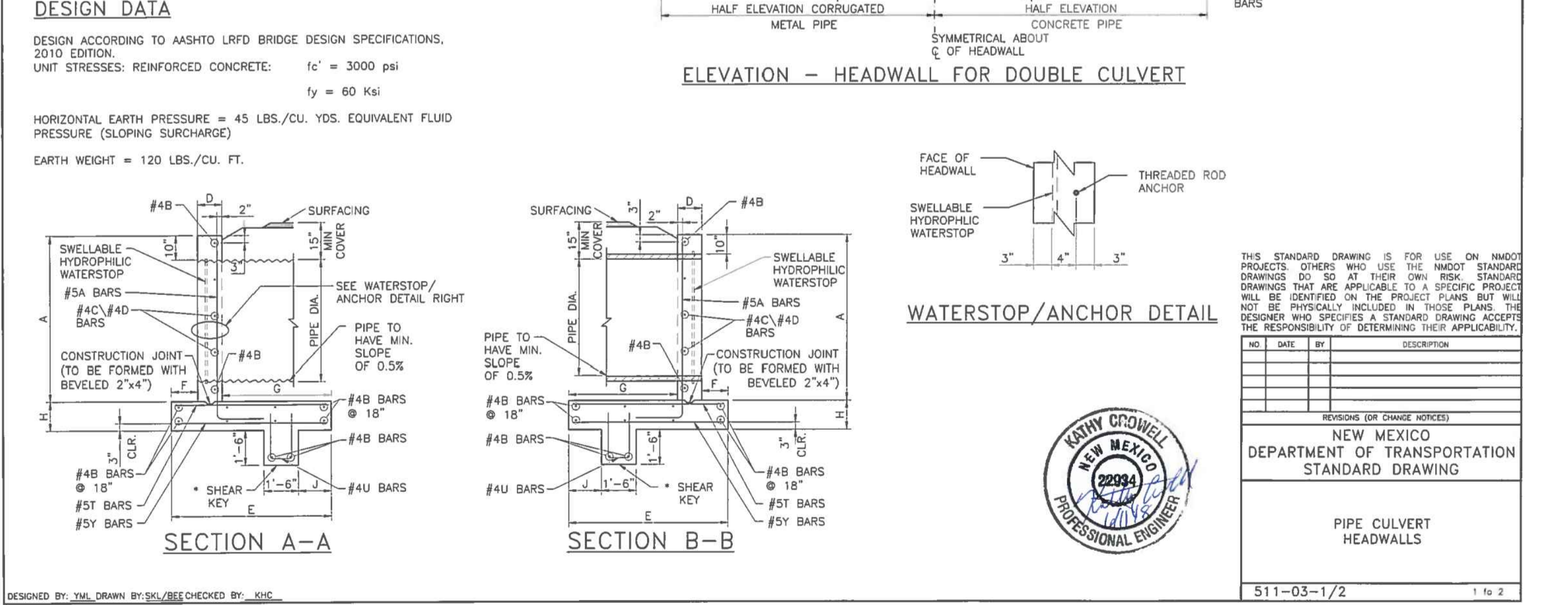
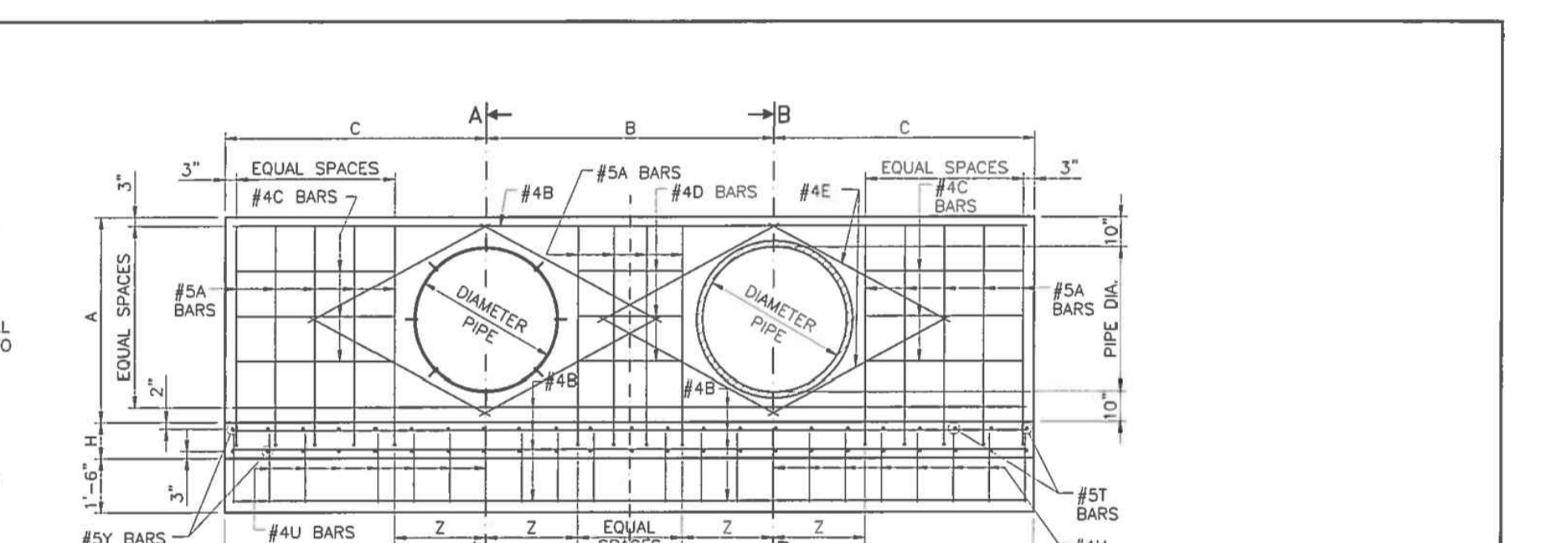
DESIGN DATA

DESIGN ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2010 EDITION.

UNIT STRESSES: REINFORCED CONCRETE: $f_c' = 3000$ psi
 $f_y = 60$ Ksi

HORIZONTAL EARTH PRESSURE = 45 LBS./CU. YDS. EQUIVALENT FLUID PRESSURE (SLOPING SURCHARGE)

EARTH WEIGHT = 120 LBS./CU. FT.



CONCRETE HEADWALLS

BAR SPACINGS SHOWN ARE APPROXIMATE ONLY. QUANTITIES SHOWN ARE FOR TWO HEADWALLS. SEE NOTE 6.

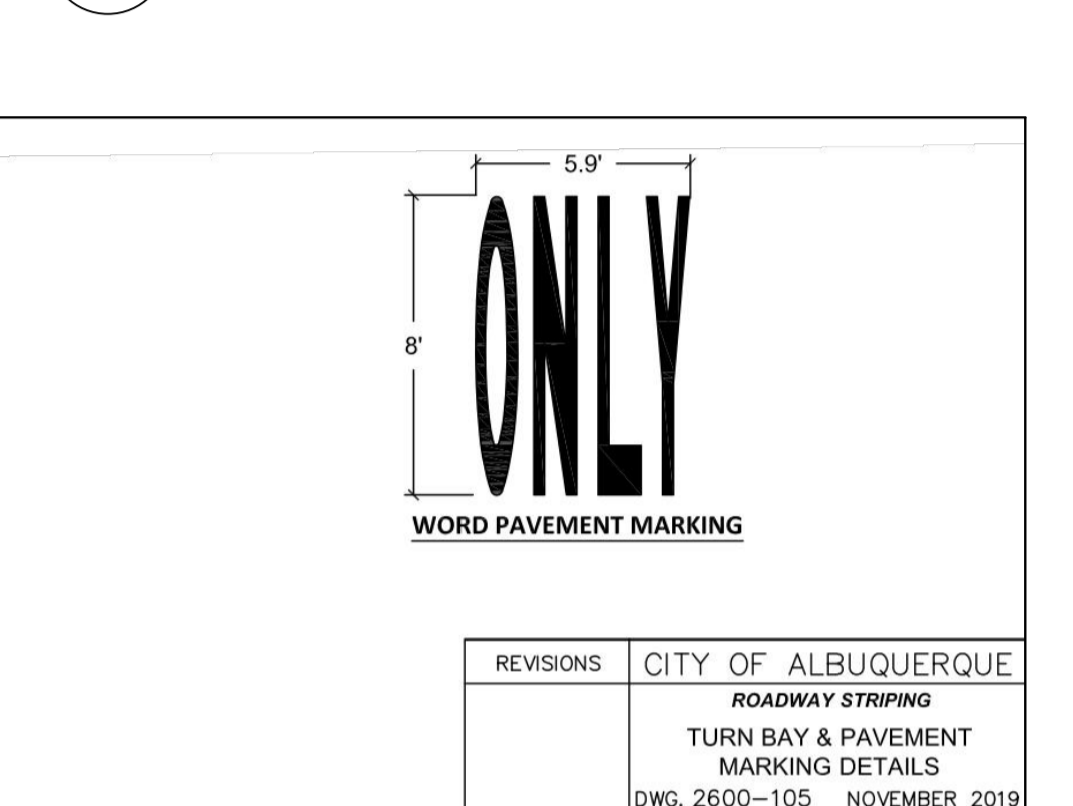
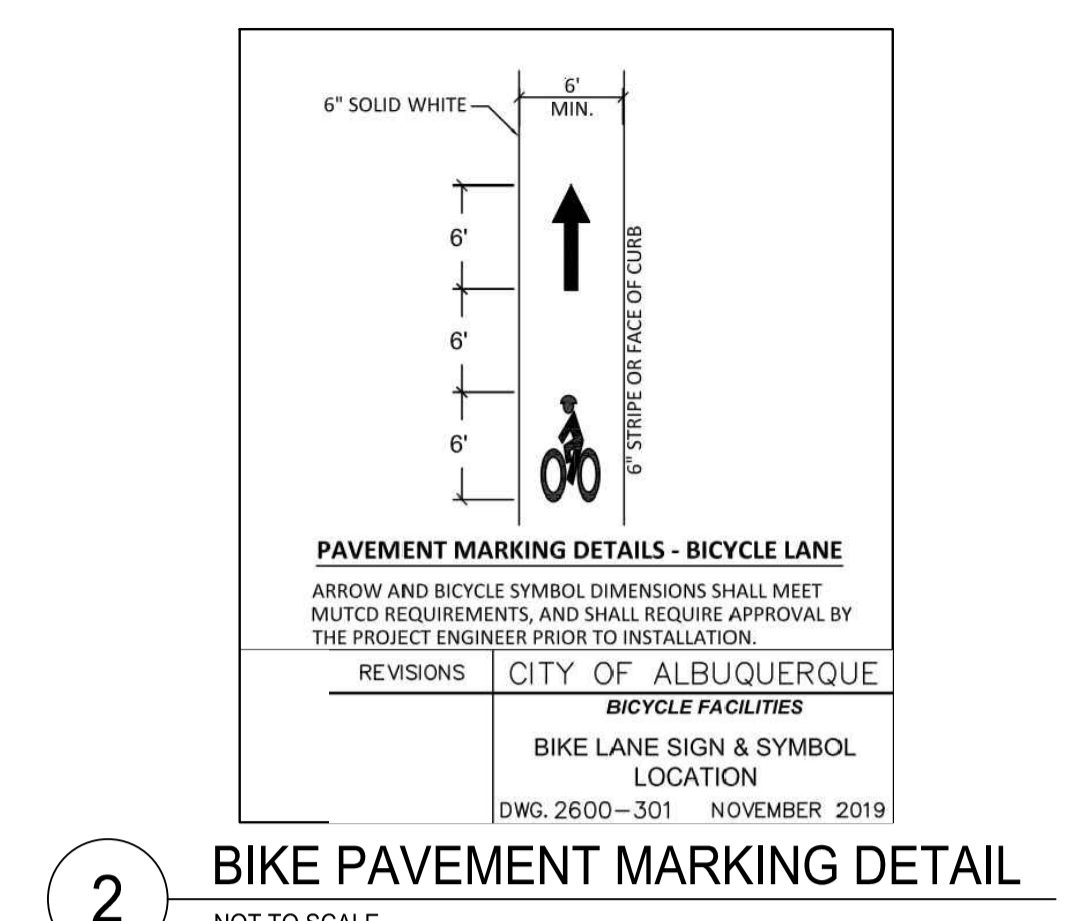
PIPE DIAMETER	DIMENSIONS										REQUIRED FOR TWO HEADWALLS WITH ONE PIPE										QUANTITIES											
	A	B	C	D	E	F	G	H	J	O ₁	#5A BARS	#4B BARS	#4C BARS	#4E BARS	#4U BARS	#5Y BARS	#5T BARS	REINFORCING STEEL	CONCRETE													
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.													
18"	3'-2"	N/A	3'-3"	10'	3'-6"	9'	1'-11"	12"	N/A	6'-6"	12	4'-10"	3'-10"	1'-0"	1'-1"	20	0	4'-0"	4	4'-0"	N/A	N/A	N/A	14	3'-0"	12"	251	2.78	2.85			
24"	3'-8"	N/A	4'-0"	10'	3'-6"	9'	1'-11"	12"	N/A	8'-0"	12	5'-4"	4'-4"	1'-0"	1'-0"	20	0	4'-0"	4	2'-6"	1'-7"	4	5'-0"	N/A	N/A	16	3'-0"	12"	295	3.58	3.69	
30"	4'-2"	N/A	4'-9"	10'	3'-6"	9'	1'-11"	12"	N/A	9'-6"	12	5'-10"	4'-10"	1'-0"	1'-8"	20	0	4'-0"	8	3'-3"	1'-3"	4	6'-0"	N/A	N/A	20	3'-0"	12"	360	4.45	4.60	
36"	4'-8"	N/A	5'-9"	10'	4'-6"	10'	2'-10"	12"	9'	11'-6"	16	6'-4"	5'-4"	1'-0"	1'-10"	22	0	4'-0"	8	4'-0"	1'-5"	4	7'-0"	24	4'-6"	12"	24	3'-11"	12"	588	8.41	8.63
42"	5'-2"	N/A	6'-6"	10'	4'-6"	10'	2'-10"	12"	9'	13'-0"	16	6'-10"	5'-10"	1'-0"	2'-3"	22	0	4'-0"	8	4'-6"	1'-6"	4	8'-0"	26	4'-6"	12"	26	4'-3"	12"	846	9.77	10.05
48"	5'-8"	N/A	7'-3"	10'	5'-6"	11'	3'-9"	12"	10'	14'-6"	20	7'-4"	6'-4"	1'-0"	2'-0"	24	0	4'-0"	12	4'-9"	1'-3"	4	9'-0"	30	4'-6"	12"	30	4'-10"	12"	849	12.26	12.62
54"	6'-2"	N/A	8'-0"	10'	5'-6"	11'	3'-9"	12"	10'	18'-0"	24	7'-10"	6'-10"	1'-0"	2'-10"	24	0	4'-0"	12	5'-0"	1'-5"	4	10'-0"	32	4'-6"	12"	32	5'-3"	12"	948	13.85	14.29
60"	6'-8"	N/A	8'-9"	10'	6'-6"	12'	4'-8"	13'	11'	17'-6"	32	8'-5"	7'-5"	0'-9"	3'-10"	28	0	4'-0"	12	5'-6"	1'-6"	4	11'-0"	36	4'-6"	12"	36	5'-9"	9"	1314	17.50	18.03

O₁ = 2C + 2B O₂ = 2C + B
WHERE n = NUMBER OF PIPES

CONCRETE HEADWALLS

BAR SPACINGS SHOWN ARE APPROXIMATE ONLY. QUANTITIES SHOWN ARE FOR TWO HEADWALLS. SEE NOTE 6.

PIPE DIAMETER	DIMENSIONS										ADD FOR EACH ADDITIONAL PIPE										QUANTITIES								
	A	B	C	D	E	F	G	H	J	O ₁	#5A BARS	#4B BARS	#4E BARS	#4U BARS	#5Y BARS	#5T BARS	REINFORCING STEEL	CONCRETE											
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.											
18"	3'-2"	3'-0"	3'-3"	10'	3'-6"	9'	1'-11"	12"	N/A	6'-6"	4	2	1'-0"	1'-4"	4	4'-0"	N/A	N/A	6	3'-0"	12"	6	3'-3"	12"	7	1	1.19	1.26	
24"	3'-8"	4'-0"	4'-0"	10'	3'-6"	9'	1'-11"	12"	N/A	8'-0"	4	2	1'-3"	1'-7"	4	5'-0"	N/A	N/A	8	3'-0"	12"	9	3'-3"	12"	9	1	1.64	1.75	
30"	4'-2"	5'-0"	4'-9"	10'	3'-6"	9'	1'-11"	12"	N/A	9'-6"	4	2	1'-9"	1'-3"	4	6'-0"	N/A	N/A	10	3'-0"	12"	10	3'-3"	12"	10	1	2.12	2.28	
36"	4'-8"	6'-0"	5'-9"	10'	4'-6"	10'	2'-10"	12"	9'	11'-6"	6	4	2'-3"	1'-5"	4	7'-0"	12	4'-6"	12"	12	3'-11"	12"	12	4	3'-3"	12"	203	4.08	4.29
42"	5'-2"	7'-0"	6'-6"	10'	4'-6"	10'	2'-10"	12"	9'	13'-0"	6	4	2'-9"	1'-6"	4	8'-0"	14	4'-6"	12"	14	3'-11"	12"	14	4'-3"	12"	233	4.86	5.14	
48"	5'-8"	8'-0"	7'-3"	10'	5'-6"	11'	3'-9"	12"	10'	14'-6"	8	6	3'-0"	1'-3"	4	9'-0"	16	4'-6"	12"	16	4'-10"	12"	16	5'-3"	12"	314	6.26	6.62	
54"	6'-2"	9'-0"	8'-0"	10'	5'-6"	11'	3'-9"	12"	10'	18'-0"	8	6	3'-6"	1'-5"	4	10'-0"	18	4'-6"	12"	18	4'-10"	12"	18	5'-3"	12"	350	7.17	7.61	
60"	6'-8"	10'-0"	8'-9"	10'	6'-6"	12'	4'-8"	13'	11'	17'-6"	12	6	3'-9"	1'-6"	4	11'-0"	20	4'-6"	12"	20	5'-9"	12"	20	6'-3"	9"	460	9.25	9.79	



CONCRETE HEADWALLS

BAR SPACINGS SHOWN ARE APPROXIMATE ONLY. QUANTITIES SHOWN ARE FOR TWO HEADWALLS. SEE NOTE 6.

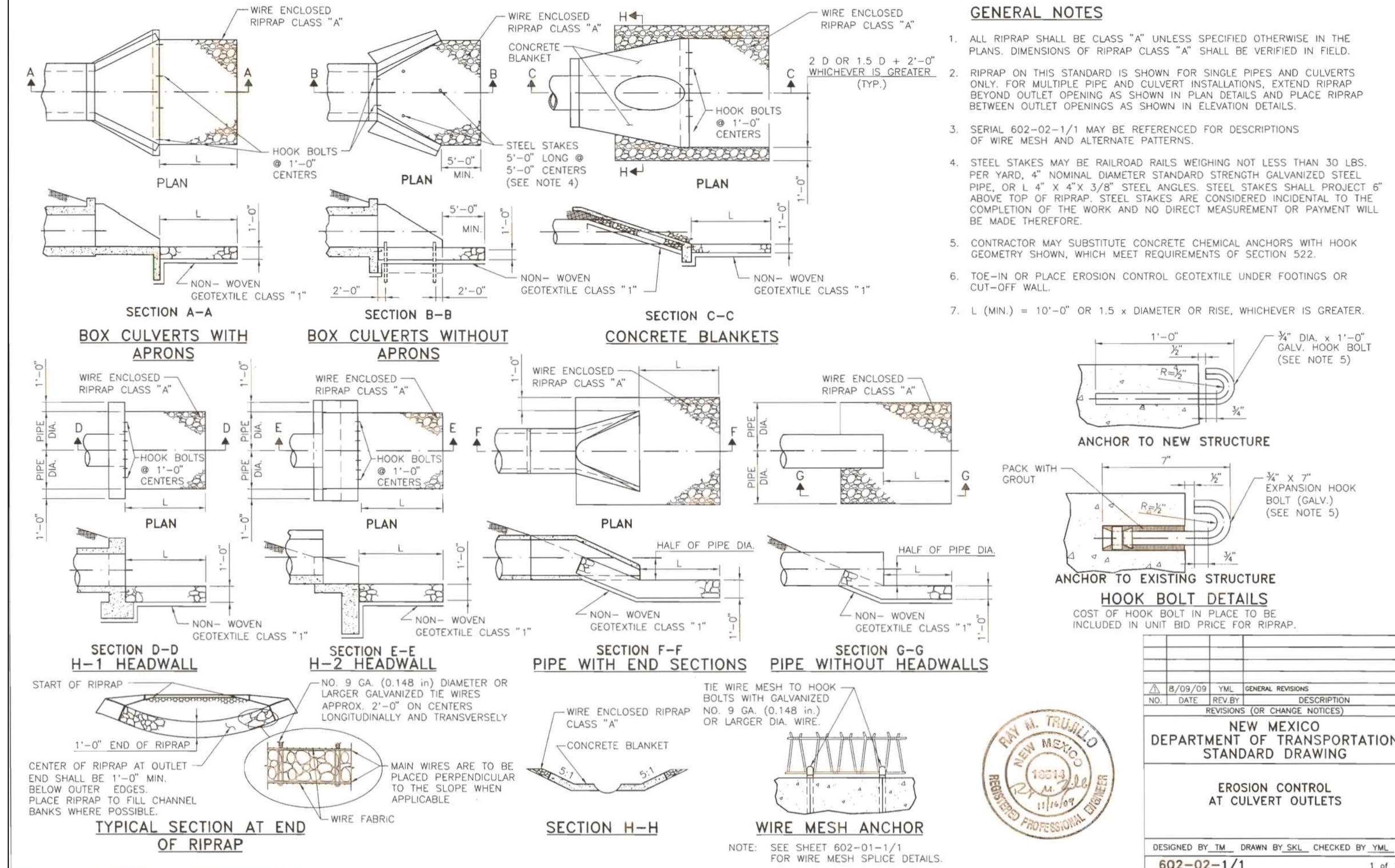
PIPE DIAMETER	DIMENSIONS										REQUIRED FOR TWO HEADWALLS WITH ONE PIPE										QUANTITIES											
	A	B	C	D	E	F	G	H	J	O ₁	#5A BARS	#4B BARS	#4C BARS	#4E BARS	#4U BARS	#5Y BARS	#5T BARS	REINFORCING STEEL	CONCRETE													
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.													
18"	3'-2"	N/A	3'-3"	10'	3'-6"	9'	1'-11"	12"	N/A	6'-6"	12	4'-10"	3'-10"	1'-0"	1'-1"	20	0	4'-0"	4	4'-0"	N/A	N/A	N/A	14	3'-0"	12"	251	2.78	2.85			
24"	3'-8"	N/A	4'-0"	10'	3'-6"	9'	1'-11"	12"	N/A	8'-0"	12	5'-4"	4'-4"	1'-0"	1'-0"	20	0	4'-0"	4	2'-6"	1'-7"	4	5'-0"	N/A	N/A	16	3'-0"	12"	295	3.58	3.69	
30"	4'-2"	N/A	4'-9"	10'	3'-6"	9'	1'-11"	12"	N/A	9'-6"	12	5'-10"	4'-10"	1'-0"	1'-8"	20	0	4'-0"	8	3'-3"	1'-3"	4	6'-0"	N/A	N/A	20	3'-0"	12"	360	4.45	4.60	
36"	4'-8"	N/A	5'-9"	10'	4'-6"	10'	2'-10"	12"	9'	11'-6"	16	6'-4"	5'-4"	1'-0"	1'-10"	22	0	4'-0"	8	4'-0"	1'-5"	4	7'-0"	24	4'-6"	12"	24	3'-11"	12"	588	8.41	8.63
42"	5'-2"	N/A	6'-6"	10'	4'-6"	10'	2'-10"	12"	9'	13'-0"	16	6'-10"	5'-10"	1'-0"	2'-3"	22	0	4'-0"	8	4'-6"	1'-6"	4	8'-0"	26	4'-6"	12"	26	4'-3"	12"	846	9.77	10.05
48"	5'-8"	N/A	7'-3"	10'	5'-6"	11'	3'-9"	12"	10'	14'-6"	20	7'-4"	6'-4"	1'-0"	2'-0"	24	0	4'-0"	12	4'-9"	1'-3"	4	9'-0"	30	4'-6"	12"	30	4'-10"	12"	849	12.26	12.62
54"	6'-2"	N/A	8'-0"	10'	5'-6"	11'	3'-9"	12"	10'	18'-0"	24	7'-10"	6'-10"	1'-0"	2'-10"	24	0	4'-0"	12	5'-0"	1'-5"	4	10'-0"	32	4'-6"	12"	32	5'-3"	12"	948	13.85	14.29
60"	6'-8"	N/A	8'-9"	10'	6'-6"	12'	4'-8"	13'	11'	17'-6"	32	8'-5"	7'-5"	0'-9"	3'-10"	28	0	4'-0"	12	5'-6"	1'-6"	4	11'-0"	36	4'-6"	12"	36	5'-9"	9"	1314	17.50	18.03

O₁ = 2C + 2B O₂ = 2C + B
WHERE n = NUMBER OF PIPES

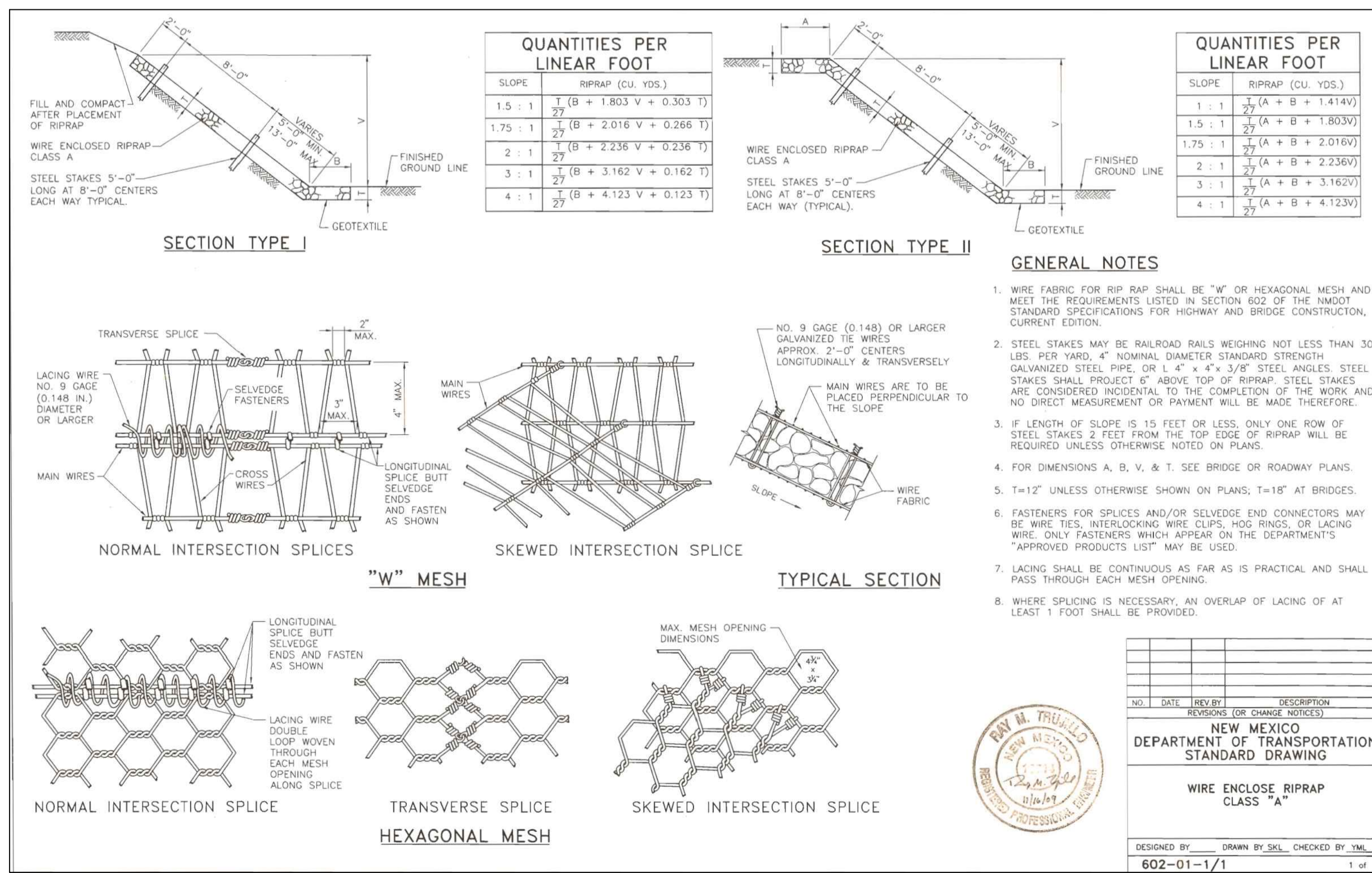
CONCRETE HEADWALLS

BAR SPACINGS SHOWN ARE APPROXIMATE ONLY. QUANTITIES SHOWN ARE FOR TWO HEADWALLS. SEE NOTE 6.

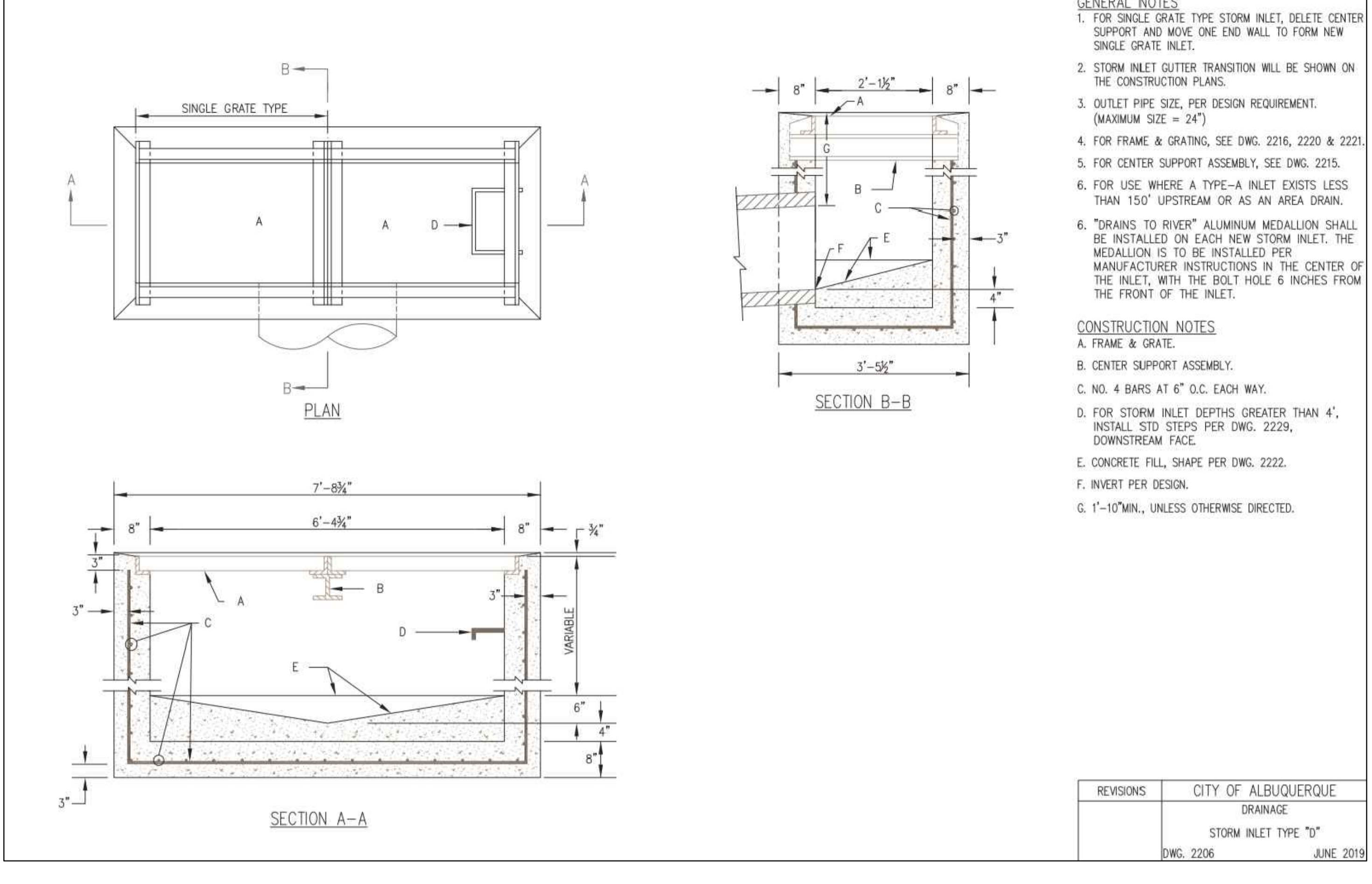
PIPE DIAMETER	DIMENSIONS										ADD FOR EACH ADDITIONAL PIPE										QUANTITIES							
	A	B	C	D	E	F	G	H	J	O ₁	#5A BARS	#4B BARS	#4E BARS	#4U BARS	#5Y BARS	#5T BARS	REINFORCING STEEL	CONCRETE										
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.										
18"	3'-2"	3'-0"	3'-3"	10'	3'-6"	9'	1'-11"	12"	N/A	6'-6"	4	2	1'-0"	1'-4"	4	4'-0"	N/A	N/A	6	3'-0"	12"	6	3'-3"	12"	7	1	1.19	1.26
24"	3																											



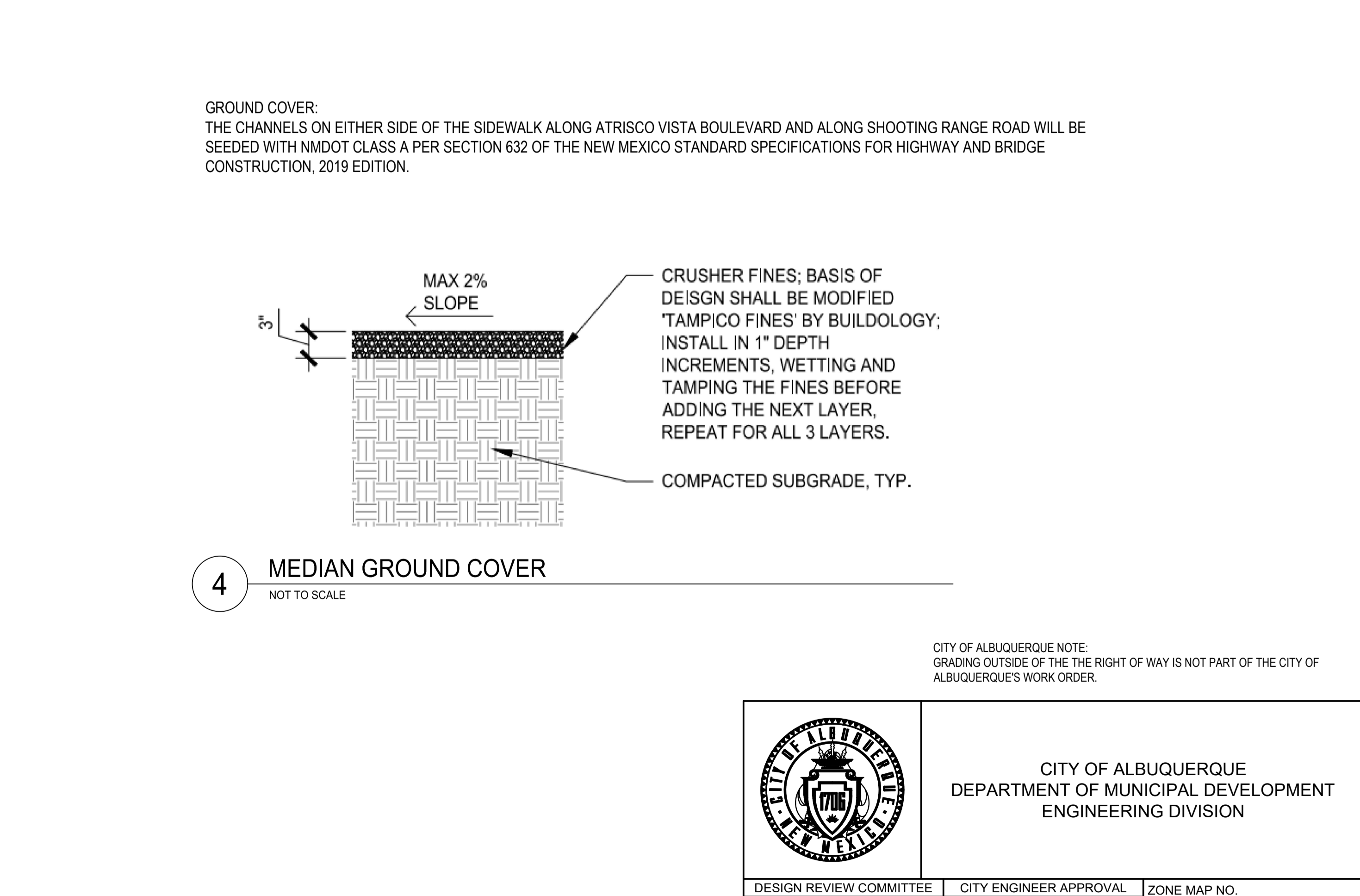
1 OUTLET PROTECTION
NOT TO SCALE



2 WIRE ENCLOSED RIPRAP CLASS "A"
NOT TO SCALE



3 STORM GRATE INLET TYPE "D"
NOT TO SCALE



4 MEDIAN GROUND COVER
NOT TO SCALE

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SEAL:

NO.	DATE	REV. BY	DESCRIPTION
1	10/11/2024	CITY COMMENTS	
2	11/13/2024	CITY COMMENTS	
3	01/01/2025	CITY AND COUNTY COMMENTS	
4	02/27/2025	CITY COMMENTS	
5	03/07/2025	CITY COMMENTS	
6	08/29/2025	CITY COMMENTS	

ROAD IMPROVEMENT AND ENTRANCE PLAN DETAILS

ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

SCALE:	HORIZ: N/A VERT: N/A
DATE:	MAY 2024
JOB:	5041-0101
DRAWN:	CTW
CHECK:	BJS
CADD:	CT501.DWG
NCS:	CT503
SHEET:	22 OF 23

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

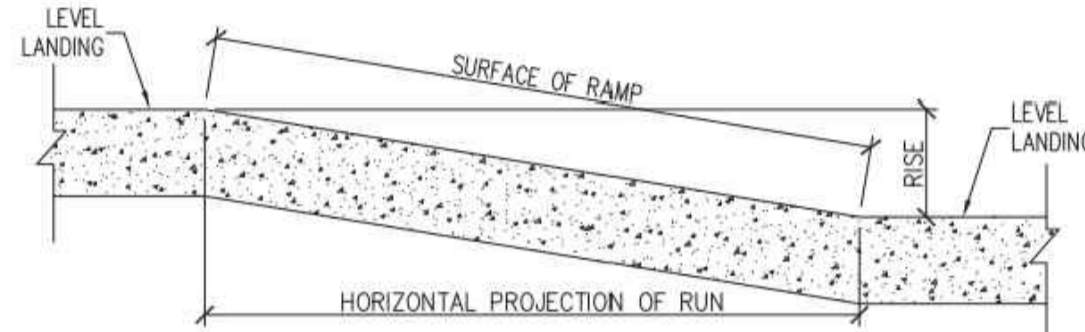
DESIGN REVIEW COMMITTEE: [] CITY ENGINEER APPROVAL: [] ZONE MAP NO. G-6
CITY PROJECT NO. 657499

GENERAL NOTES:

- CURB ACCESS RAMPS COMPLYING WITH ADA REGULATIONS AND DRAWINGS 2415, 2418, 2425, AND 2440 THROUGH 2448) SHALL BE PROVIDED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB. THE CITY TRAFFIC ENGINEER WILL SPECIFY LOCATION OF RAMPS.
- MIN. CURB RADIUS IS 25 FT. UNLESS OTHERWISE SPECIFIED.
- SLOPE SIDEWALK FROM TOP OF CURB TO LEVEL LANDING AREA AT BOTTOM OF RAMP ON A MAXIMUM SLOPE OF 8.3% AND A PREFERABLE SLOPE OF 7%.
- UNIDIRECTIONAL CURB ACCESS RAMPS: SLOPE SIDEWALK FROM P.C. OR P.T. OF CURB RETURN DOWN TO QUARTER POINT OF CURB RETURN USING A SLOPE NO STEEPER THAN THAT DEFINED IN NOTE 4 ABOVE. FOR POSSIBLE EXCEPTIONS, SEE TABLE OF ADA ACCESSIBLE ROUTE SLOPES ON THIS DRAWING.
- SLOPES OF CURB ACCESS RAMPS SHALL COMPLY WITH ALL ADA (PROWAG) REGULATIONS AND THE TABLE OF ACCESSIBLE ROUTE SLOPES OF THIS DRAWING. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACES OR SIDEWALKS ADJACENT TO CURB ACCESS RAMPS SHALL NOT EXCEED 5%.
- THE MINIMUM WIDTH OF ANY ACCESSIBLE RAMP SHALL BE 60 IN. (5 FT.). NARROWER SIDEWALKS AND RAMPS SHALL BE APPROVED BY THE CITY ENGINEER.
- A CURB ACCESS RAMP LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP OR WHERE IT IS NOT PROTECTED BY HAND OR GUARDRAIL SHALL HAVE FLARED SIDES WITH SLOPES NOT EXCEEDING 8.3% WITH A PREFERABLE SLOPE OF 7%.
- CURB ACCESS RAMPS WITH RETURNS OR HEADER TYPE CURBING MAY BE CONSTRUCTED WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. BUILT-UP CURB ACCESS RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICLE TRAFFIC LANES AND MAY ONLY BE USED WITH APPROVAL FROM THE CITY ENGINEER EXCEPT FOR PARKING LOT APPLICATIONS.
- CURB ACCESS RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.
- CURB ACCESS RAMPS AT MARKED CROSSING SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS EXCLUDING ANY FLARED SIDES. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE AT LEAST 24 INCHES STRAIGHT CURB ON EACH SIDE OF THE CURB RAMP WITHIN THE MARKED CROSSING.
- ADA - AMERICANS WITH DISABILITIES ACT.
- PROWAG - PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.
- CURB ACCESS RAMPS AND THEIR APPROACHES SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.
- ANY CONFLICT BETWEEN COA STANDARD DRAWINGS AND ADA (PROWAG) REGULATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER FOR RESOLUTION.
- ALL ACCESSIBLE RAMPS SHALL HAVE LANDINGS AT BOTTOM AND TOP OF EACH RAMP AND EACH RAMP RUN. LANDING SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT AND SHALL HAVE A LENGTH OF 60 INCHES (5 FT.) MINIMUM. IF THE RAMP CHANGES DIRECTION AT THE LANDING, THE MINIMUM LANDING SIZE SHALL BE 5 FEET BY 5 FEET. RAMPS AND LANDINGS WITH DROP-OFFS SHALL HAVE CURBS, WALLS, RAILINGS, OR PROJECTIONS THAT PREVENTS SLIPPING OR FALLING OFF OF THE RAMP.
- DETECTABLE WARNINGS SHALL BE INCLUDED ON ALL CURB RAMPS.
- IF DIAGONAL CURB RAMPS HAVE RETURNED CURBS OR CURBS WITH WELL-DEFINED EDGES, THE EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTRIAN TRAVEL.
- WHEN MODIFYING ONE QUADRANT OF AN INTERSECTION TO IMPROVE ACCESSIBILITY, MODIFY THE REMAINING QUADRANTS SO THAT ALL QUADRANTS OF THE INTERSECTION COMPLY WITH ADA REGULATION AS SHOWN ON CONSTRUCTION PLAN SET.
- CURBS ADJACENT TO ADA SURFACES SHALL BE PAINTED IN A CONTRASTING COLOR (REFLECTIVE YELLOW).
- SEEK APPROVAL FROM CITY ENGINEER FOR ANY DEVIATION FROM SLOPE STANDARDS DUE TO SPACE LIMITATIONS.

ADA ACCESSIBLE ROUTE SLOPES (SEE FIGURE BELOW)

SLOPE *	% SLOPE	MAX. RISE ** INCHES	MAX. HORIZ. PROJ. FEET	COMMENTS
50H:1V OR FLATTER	2% OR LESS	UNLIMITED	UNLIMITED	TO BE USED FOR CROSS SLOPES ON ANY INTENDED ADA ACCESSIBLE ROUTE AND ANY LEVEL LANDING.
20H:1V OR FLATTER	5% OR LESS	UNLIMITED	UNLIMITED	TO BE USED FOR DIRECTION OF TRAVEL ON ANY INTENDED ADA ACCESSIBLE ROUTE.
12H:1V TO 15H:1V	8.3% TO 7%	30	200 (OR SLOPE)	TO BE USED FOR DIRECTION OF TRAVEL ON ANY RAMP SURFACE.



* SLOPE IS INDICATED IN A RATIO OF HORIZONTAL UNITS TO VERTICAL UNITS OF IDENTICAL MEASURE.
 ** AFTER THE MAXIMUM RISE HAS BEEN ATTAINED, A LEVEL LANDING AREA MUST BE PROVIDED.
 *** SEE GENERAL NOTE NO. 8.
 NOTE: ADA DEFINES "RAMP" AS ANY SURFACE THAT EQUALS OR EXCEEDS A 5% SLOPE ALONG ITS PATH OF TRAVEL. A LEVEL LANDING AREA IS A SURFACE OF SUFFICIENT SIZE THAT DOES NOT EXCEED A 2% SLOPE IN ANY DIRECTION.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	CURB ACCESS RAMP GENERAL NOTES
	DWG. 2440
	JUNE 2019

1 COA ACCESS RAMP
NOT TO SCALE

GENERAL NOTES:

- RUNNING SLOPE OF A CURB RAMP SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15-FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE CURB RAMP SHALL BE EXTENDED AS FLAT AS THE MAXIMUM EXTENT AS FEASIBLE.
- SEE COA STD. DWG. 2446 FOR DETECTABLE WARNING DEVICE DETAILS.

CONSTRUCTION NOTES:

- TURNING SPACE SHALL HAVE MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.0% (PREFERED SLOPE OF 1.5%), TURNING SPACE SHALL BE 5.0 FT BY 5.0 FT AT THE TOP OF THE CURB RAMP.
- 8.3% MAX. SLOPE OF RAMP, 7% PREFERABLE SLOPE OF RAMP.
- GRADE BREAKS AT THE TOP AND BOTTOM OF CURB RAMPS RUNS SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. GRADE BREAKS SHALL NOT BE PERMITTED ON THE SURFACE OF RAMP RUNS AND TURNING SPACE. SURFACE SLOPES THAT MEET AT GRADE BREAKS SHALL BE FLUSH.
- COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF A CURB RAMP, RUN OR TURNING SPACE SHALL BE 5% MAX.
- FLARED SIDES ARE TO HAVE A SLOPE OF 10% MAX. MEASURED PARALLEL TO THE BACK OF THE CURB.
- 2% MAXIMUM CROSS-SLOPE. 1.5% PREFERED CROSS-SLOPE.
- FILLET SHARP CURVES EXPOSED TO TRAFFIC TO 6" MINIMUM RADIUS.

DETAIL A-PARALLEL CURB RAMP

DETAIL B-PARALLEL CURB RAMP

DETAIL C-PARALLEL CURB RAMP

REVISIONS CITY OF ALBUQUERQUE
PAVING
PARALLEL AND DIAGONAL CURB RAMPS
DWG. 2443 JUNE 2019

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SEAL:

REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	PARALLEL AND DIAGONAL CURB RAMPS
	DWG. 2443
	JUNE 2019

GENERAL NOTES:

- PROVIDE DETECTABLE WARNINGS ON ANY CURB RAMP OR LANDING WHERE THE ACCESSIBLE ROUTE CROSSES A PUBLIC STREET. DETECTABLE WARNINGS ARE NOT REQUIRED AT DRIVEWAYS UNLESS THE DRIVEWAY IS PERMITTED TO OPERATE LIKE A PUBLIC STREET AS DETERMINED BY THE CITY ENGINEER.
- SELECT A DETECTABLE WARNING SURFACE THAT CONTRASTS VISUALLY (LIGHT-ON/DARK OR DARK-ON-LIGHT) WITH ADJACENT SURFACES.
- IN NEW CONSTRUCTION, INSTALL CAST-IN-PLACE REPLACEABLE DETECTABLE WARNING PLATES, PANELS, TILES, OR PAVERS. IN RETROFITS, INSTALL SURFACE-APPLIED DETECTABLE WARNING PANELS WITH BEVELED EDGES. SURFACE APPLIED PANELS SHALL BE MECHANICALLY ANCHORED.

CONSTRUCTION NOTES:

- INSTALL DETECTABLE WARNING SURFACE SO THAT IT EXTENDS 24" IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH (NOT INCLUDING SIDE FLARES) OF THE RAMP OR LANDING.
- PLACE DETECTABLE WARNINGS SO THAT THE ROWS OF TRUNCATED DOMES ARE ALIGNED PERPENDICULAR TO THE GRADE BREAK BETWEEN THE RAMP OR LANDING AND THE ROADWAY.
- ON PARALLEL CURB RAMPS, PLACE DETECTABLE WARNINGS ON THE RAMP SURFACE AT THE GRADE BREAK IF GRADE BREAK IS WITHIN 5' FROM BACK OF CURB; IF THE GRADE BREAK IS GREATER THAN 5' FROM BACK OF CURB, PLACE DETECTABLE WARNINGS AT A DIAGONAL USING A MAXIMUM DISTANCE OF 5' FROM FACE OF CURB.
- ON PERPENDICULAR CURB RAMPS, PLACE DETECTABLE WARNINGS AT THE BACK OF CURB.
- ON CUT-THROUGH ISLANDS, PLACE DETECTABLE WARNINGS IN LINE WITH THE BACK OF CURB IF DETECTABLE WARNING SURFACES ON THE ENTRANCE AND EXIT SIDES OF THE ISLAND CAN BE SEPARATED BY 2' MIN. OF WALKWAY. IF NECESSARY TO ACHIEVE 2' MIN. SEPARATION, PLACE DETECTABLE WARNINGS IN LINE WITH THE FACE OF CURB. IF THE ISLAND HAS NO CURB, PLACE DETECTABLE WARNINGS AT THE EDGE OF ROADWAY. SEE COA STD. DWG. 2448.
- PLACE DETECTABLE WARNINGS AT RAIL CROSSINGS SO THAT THE EDGE NEAREST THE RAIL IS 6' TO 15' FROM THE CENTERLINE OF THE NEAREST RAIL. ALIGN ROWS OF TRUNCATED DOMES PARALLEL TO THE DIRECTION OF TRAVEL.
- RECESS OR CAST-IN DETECTABLE WARNINGS SO THAT THE SURFACE TO WHICH THE TRUNCATED DOMES ARE ATTACHED IS FLUSH WITH THE ADJACENT CONCRETE.
- IN RETROFITS, DETECTABLE WARNING MAT MAY BE MECHANICALLY ANCHORED TO THE SURFACE OF THE CONCRETE IF THE MAT EDGE IS BEVELED WITH A MAXIMUM SLOPE OF 2H:1V.
- SIDE FLARED SLOPES.

ASPHALT CONCRETE PAVEMENT

REVISIONS CITY OF ALBUQUERQUE
PAVING
DETECTABLE WARNINGS
DWG. 2446 JUNE 2019

2 COA DETECTABLE WARNING SURFACE
NOT TO SCALE

3 COA UTILITY PAVEMENT CUTS
NOT TO SCALE

GENERAL NOTES:

- COMPACTION AS DETERMINED BY ASTM D1557 MAX DENSITY.
- TRENCH CUT WIDTHS SHALL BE MIN. WIDTH REQ'D FOR UTILITY INSTALLATION, ECONOMICAL BACKFILL COMPACTION AND COMPLIANCE WITH CURRENT AND APPLICABLE SAFETY REGULATIONS.
- ALL PAVEMENTS CUT EDGES WILL BE TRIMMED TO PRESENT AN EVEN LINE PRIOR TO REPLACEMENT OF PAVING MATERIAL. "STITCH" CUTTING OF PAVEMENT WILL NOT BE PERMITTED.
- ADDITIONAL 2" THICKNESS OF ASPHALT CONC. REQ'D ON PAVEMENT CUTS LESS THAN 8' WIDE FOR ASPHALT CONC. PAVEMENT CUTS 8' OR MORE IN WIDTH AND LONGER THAN 100' SHALL BE PLACED WITH LAYDOWN MACHINE TO A DEPTH EQUAL TO THAT OF ASPHALT CONC. REMOVED.

CONSTRUCTION NOTES:

- EXISTING ASPHALT PAVEMENT.
- EXISTING BASE MATERIAL (ABC, B7B, C7B)
- EXISTING SUBGRADE.
- COMPACTED FILL, 95% COMPACTION
- SUBGRADE TO MEET OR EXCEED APPARENT R-VALUE OF ADJACENT SOIL, BY SOIL CLASSIFICATION (2 FEET MIN.).
- MATCH EXISTING BASE MATERIAL PLUS AN ADDITIONAL 2" OF THICKNESS - 95% COMPACTION
 - FOR RESIDENTIAL STREETS, SURFACE COURSE SHALL BE 1 1/2" THICK, TYPE C
 - FOR MAJOR LOCAL STREETS, SURFACE COURSE SHALL BE 2" THICK, TYPE B
 - FOR ALL OTHER STREETS, SURFACE COURSE SHALL BE 2" THICK, S-III
- SAW CUT OR BLADE-CUT ASPHALT PAVEMENT. SAW CUT ONLY ONE THIRD CONC. DEPTH
- TACK COAT
- 12" CUT-BACK
- MATCH EXISTING CONCRETE PAVEMENT THICKNESS, 6" MINIMUM, 4000 PSI
- EXISTING CONCRETE PAVEMENT JOINTS TO BE TOOLED & SEALED IN ACCORDANCE WITH ENGINEERS REQUIREMENTS
- 6" CONC. TREATED BASE (C.T.B.)

REVISIONS CITY OF ALBUQUERQUE
PAVING
CITYWIDE PAVEMENT CUTS FOR ALL UTILITIES
DWG. 2465 JANUARY 2019

CITY OF ALBUQUERQUE NOTE:
GRADING OUTSIDE OF THE THE RIGHT OF WAY IS NOT PART OF THE CITY OF ALBUQUERQUE'S WORK ORDER.

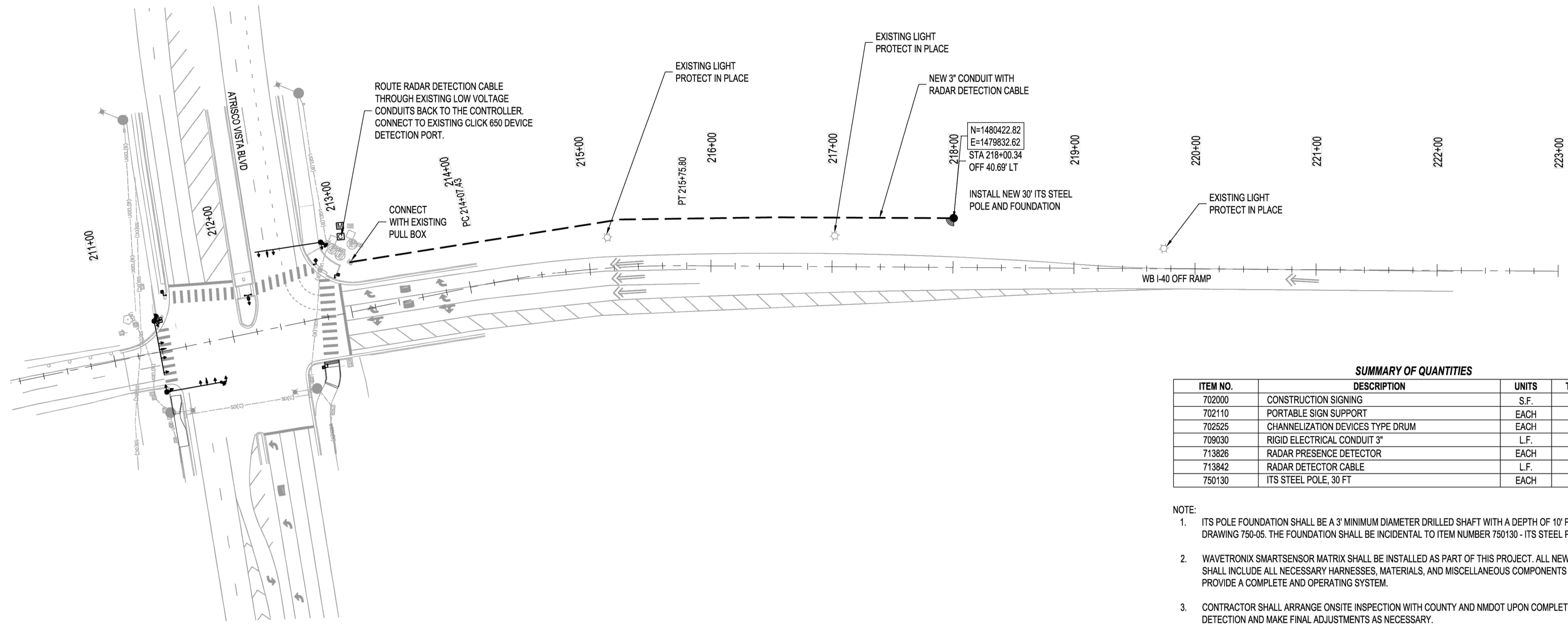
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. G-6
		CITY PROJECT NO. 657499

ROAD IMPROVEMENT AND ENTRANCE PLAN DETAILS

ALBUQUERQUE NATIONAL CEMETERY
ALBUQUERQUE, NEW MEXICO

SCALE:	HORIZ: N/A	VERT: N/A
DATE:	MAY 2024	
JOB:	5041-0101	
DRAWN:	CTW	CHECK: BJS
CADD:	CT501.DWG	
NCS:	CT504	
SHEET:	23 OF 23	



SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNITS	TOTAL	USE
702000	CONSTRUCTION SIGNING	S.F.	32	32
702110	PORTABLE SIGN SUPPORT	EACH	2	2
702525	CHANNELIZATION DEVICES TYPE DRUM	EACH	12	12
709030	RIGID ELECTRICAL CONDUIT 3"	L.F.	520	520
713826	RADAR PRESENCE DETECTOR	EACH	1	1
713842	RADAR DETECTOR CABLE	L.F.	600	600
750130	ITS STEEL POLE, 30 FT	EACH	1	1

- NOTE:
- ITS POLE FOUNDATION SHALL BE A 3" MINIMUM DIAMETER DRILLED SHAFT WITH A DEPTH OF 10' PER NMDOT STANDARD DRAWING 750-05. THE FOUNDATION SHALL BE INCIDENTAL TO ITEM NUMBER 750130 - ITS STEEL POLE, 30 FT.
 - WAVETRONIX SMARTSENSOR MATRIX SHALL BE INSTALLED AS PART OF THIS PROJECT. ALL NEW DETECTION DEVICES SHALL INCLUDE ALL NECESSARY HARNESSSES, MATERIALS, AND MISCELLANEOUS COMPONENTS NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM.
 - CONTRACTOR SHALL ARRANGE ONSITE INSPECTION WITH COUNTY AND NMDOT UPON COMPLETION TO TEST DETECTION AND MAKE FINAL ADJUSTMENTS AS NECESSARY.

AS-BUILT INFORMATION

CONTRACTOR	DATE
SPAVED BY	DATE
INSPECTOR	DATE
FIELD CHANGE BY	DATE
FIELD VERIFICATION BY	DATE
CORRECTED BY	DATE

BENCH MARKS

ALBUQUERQUE GEODETIC REFERENCE
STATION "3, 15 1957"
GEOGRAPHIC POSITION (NAD 1983)
NAD STATE PLANE COORDINATES
(CENTRAL ZONE, US SURVEY FOOT)
N=1,486,328.144 E=1,473,343.888
GROUND-TO-GRID FACTOR = 0.999856205
DELTA ALPHA = -00°19'15.59"
NAD 1988 ELEVATION= 5907.121

SURVEY INFORMATION

NO.	BY	DATE



ENGINEER'S SEAL

NO.	DATE	BY	REMARKS

Bohannon & Huston
www.bhinc.com 800.877.5332

BERNALILLO COUNTY
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

**ATRISCO VISTA AND I-40 WESTBOUND
TRAFFIC SIGNAL DETECTION PLANS**

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

CITY PROJECT NO. ZONE MAP NO. SHEET 2 OF 2



PLAN DRAWING SCALE: 1" = 50'

This is a plot of a drawing created by OVERMILLER
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