



CITY OF ANTHONY, NM

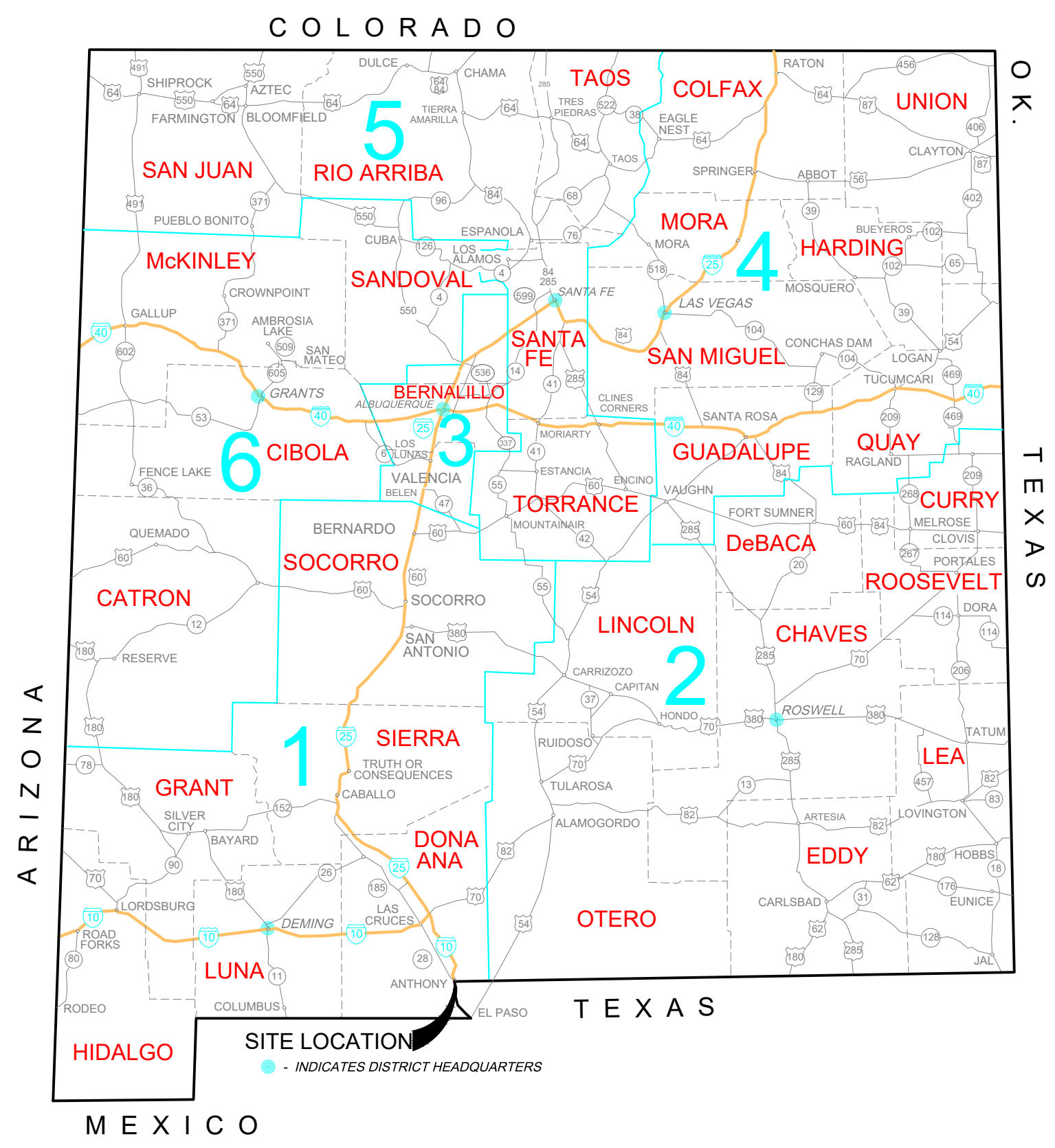
CONSTRUCTION PLANS

ACOSTA RD. INFRASTRUCTURE IMPROVEMENTS



WILSON & COMPANY
 414 N. MAIN STREET, SUITE A
 LAS CRUCES, NM 88001
 PHONE: 575-527-9257
 FAX: 575-527-9258
 www.wilsonco.com

DONA ANA COUNTY



PROJECT TERMINI:
 ACOSTA RD. FROM NM 460 TO 4TH ST. CITY OF ANTHONY
 B.O.P. STA: 11+39.60
 E.O.P. STA: 21+55.00

CONSULTANTS

SEAL

100%
NOT FOR
CONSTRUCTION

PROJECT NAME

ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY

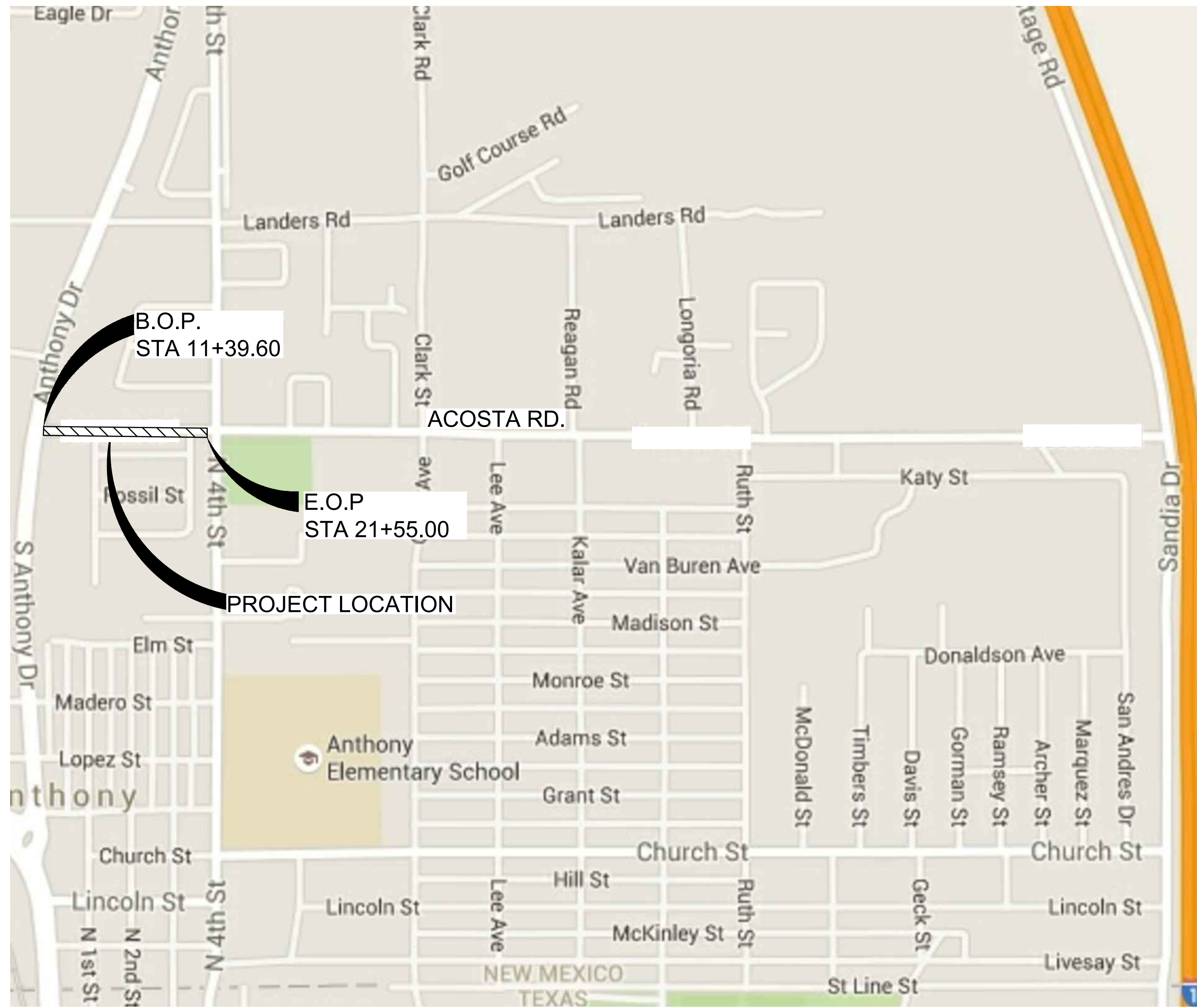
PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY: ...
 DATE: JULY 2020

SHEET TITLE
 COVER PAGE

SHEET NO:
 1-1

\\WILSONCO.COM\DRIVE\MSD\20-600-047-00\2_DISCIPLINES_SHEETS\2_SHEETS\CIVIL\206047_PH2_COVER.DWG 7/6/2020 4:40 PM

LENGTH OF PROJECT = 0.192 MILES



VICINITY MAP

NOT TO SCALE

PROJECT BEGINS WITHIN SECTION 36,
TOWNSHIP 26 SOUTH, RANGE 3 EAST.
PROJECT ENDS WITHIN SECTION 36,
TOWNSHIP 26 SOUTH, RANGE 3 EAST.

INTENT OF PROJECT

THIS PROJECT CONSTRUCTION IS FOR ACOSTA RD. IN THE CITY OF ANTHONY, NM:

EARTHWORK, SITE WORK, CURB AND GUTTER, ROADWAY RECONSTRUCTION, CONCRETE AND ASPHALT PAVING, DRAINAGE IMPROVEMENTS, EROSION CONTROL, SIGNING, STRIPING, TRAFFIC CONTROL AND MISCELLANEOUS CONSTRUCTION AS NEEDED.

THE 2014 EDITION OF NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SHALL GOVERN CONSTRUCTION OF THIS PROJECT.

PROPOSED PLANS WERE DESIGNED AND/OR ASSEMBLED BY:
WILSON & COMPANY
ALBUQUERQUE, NM & LAS CRUCES, NM

(505)-348-4000

Hamilton, Eric S.
Eric.Hamilton@wilsonco.com

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REV. DATE DESCRIPTION BY

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SHEET TITLE
VICINITY MAP

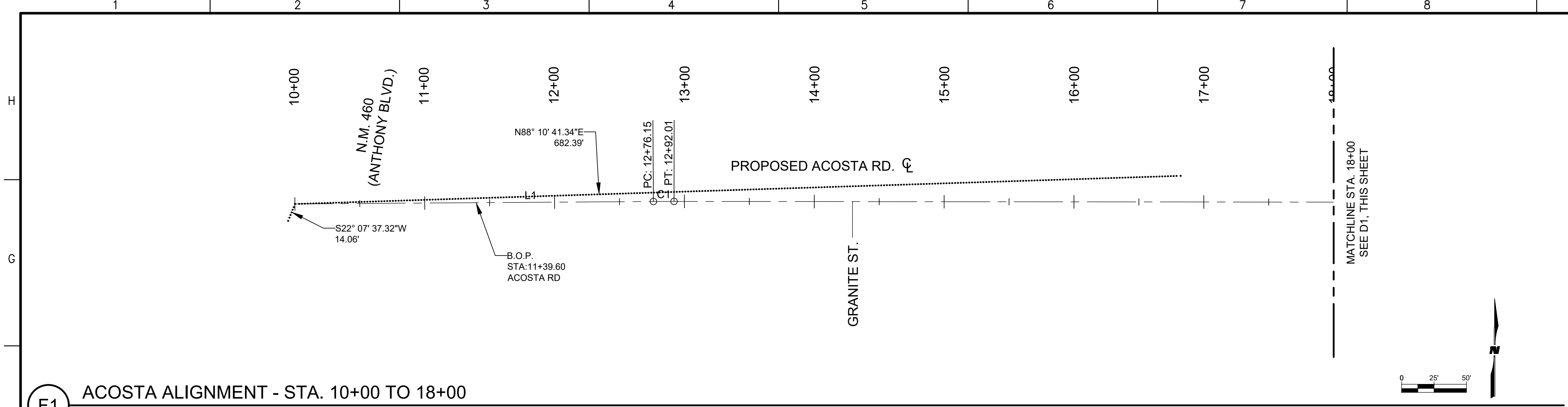
SHEET NO:
1-2

100%
NOT FOR
CONSTRUCTION

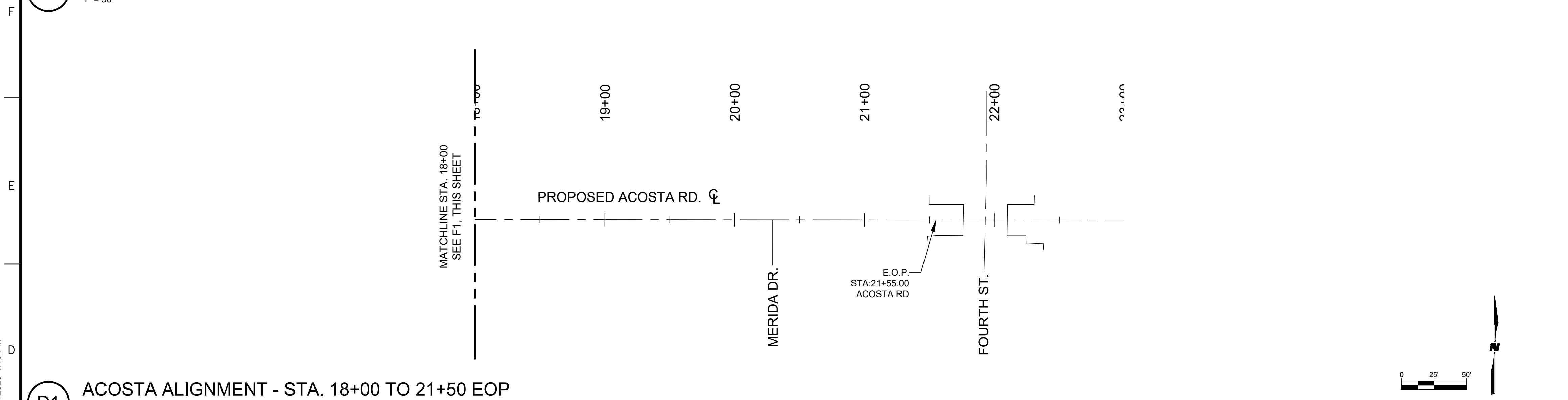
ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO

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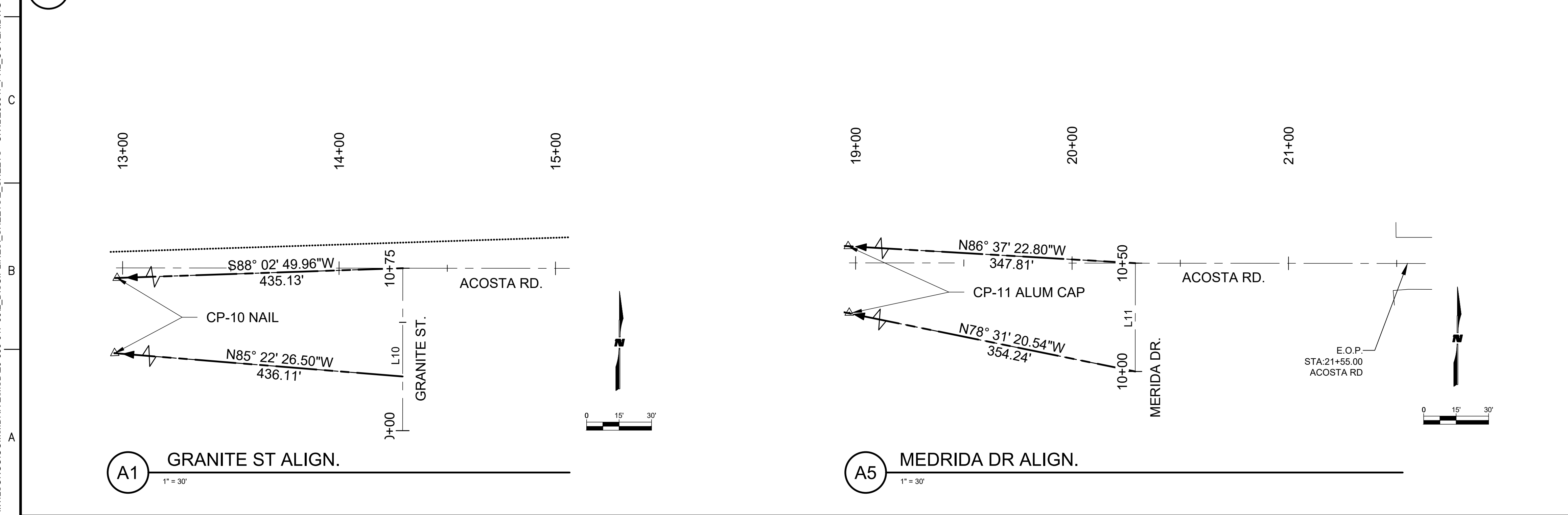
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F1 ACOSTA ALIGNMENT - STA. 10+00 TO 18+00
1" = 50'



D1 ACOSTA ALIGNMENT - STA. 18+00 TO 21+50 EOP
1" = 50'



A1 GRANITE ST ALIGN.
1" = 30'

A5 MEDRIDA DR ALIGN.
1" = 30'

GENERAL NOTES

- ALL HORIZONTAL COORDINATES SHOWN ON THIS SHEET ARE BASED UPON NAD83 NEW MEXICO STATE PLANE CENTRAL ZONE.
- NOTE TO READER: CP-1, CP-3, CP-4, & CP9 ARE BEYOND THE VIEW LIMITS.

KEYNOTES

CP-1 DESC. - NM HWY CAP (NGS 3210635037) N: 367639.19 E: 1537331.88 ELEV: 3914.23	CP-12 DESC. - ALUM. CAP N: 367628.409 E: 1531822.404 ELEV: 3812.676
CP-2 DESC. - PK NAIL/WASHER N: 367705.25 E: 1531178.40 ELEV: 3810.52	CP-13 DESC. - PK NAIL N: 367675.077 E: 1532453.408 ELEV: 3815.774
CP-3 DESC. - CHISLED X N: 368552.80 E: 1531291.17 ELEV: 3811.88	CP-14 DESC. - PK NAIL N: 367645.767 E: 1533020.443 ELEV: 3823.157
CP-4 DESC. - CHISLED X N: 368552.8 E: 1531351.49 ELEV: 3812.06	CP-15 DESC. - ALUM CAP N: 367597.381 E: 1533665.031 ELEV: 3834.356
CP-9 DESC. - PK NAIL N: 369037.011 E: 1531238.489 ELEV: 3809.471	CP-16 DESC. - PK NAIL N: 367624.186 E: 1534349.683 ELEV: 3847.52
CP-10 DESC. - NAIL N: 367645.195 E: 1529918.407 ELEV: 3805.031	CP-17 DESC. - ALUM CAP N: 367622.816 E: 1535061.834 ELEV: 3857.076
CP-11 DESC. - ALUM CAP N: 367679.878 E: 1530605.738 ELEV: 3807.091	CP-18 DESC. - POINT #. 18 N: 367623.682 E: 1535702.855 ELEV: 3878.964
	CP-19 DESC. - PK NAIL N: 367572.11 E: 1536282.915 ELEV: 3876.608

LINE AND CURVE TABLE

ACOSTA ROAD				
NUMBER	RADIUS	LENGTH	DIRECTION	DELTA
L1		276.15'	N89° 36' 21.85"E	
C1	2000'	15.86'	N89° 49' 59.69"E	0.45
L2		862.99'	S89° 56' 22.47"E	

GRANITE ST				
NUMBER	RADIUS	LENGTH	DIRECTION	DELTA
L10		75.00'	N0° 03' 37.53"E	

MERIDA DR				
NUMBER	RADIUS	LENGTH	DIRECTION	DELTA
L11		50.00'	N0° 03' 37.53"E	

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PROJECT NAME
**ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO**

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
CHECKED BY: ...
DATE: JULY 2020
SHEET TITLE

HORIZONTAL LAYOUT

SHEET NO:
1-3

\\WILSONCO.COM\DRIVE\MSD20-600-047-002_DISCIPLINES_SHEETS - CIVIL\206047_PHZ_COVER.DWG 7/6/2020 4:40 PM

Grid lines 1-10 and H-A

INDEX OF SHEETS

Table with columns SHEET NUMBER and SHEET TITLE. Lists sheets 1-1 through 13-5 and subtotals.

STANDARD DRAWINGS INDEX

Table with columns SHEET, DESCRIPTION, REV DATE, AGENCY, SERIAL NUMBER. Lists sheets 12-1 through 12-46.

WILSON & COMPANY logo and address: 414 N. MAIN STREET, SUITE A, LAS CRUCES, NM 88001

CONSULTANTS

SEAL

PROJECT NAME

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ACOSTA RECONSTRUCTION PHASE 2 ANTHONY, NEW MEXICO

Table with columns REV., DATE, DESCRIPTION, BY. Contains empty rows for revision tracking.

PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
CHECKED BY: ...
DATE: JULY 2020

SHEET TITLE: INDEX SHEET

SHEET NO: 1-4

\\WILSONCO.COM\DRIVE\MSD20-600-047-002_DISCIPLINES_SHEETS\SHEETS\S2_SHEETS\CIVIL\206047_PHZ_COVER.DWG 7/6/2020 4:40 PM

<u>SUMMARY OF QUANTITIES</u>														
DESCRIPTION			ROADWAY		CONSTRUCTION DETOUR & SIGNING		PERM SIGNING		CONSTR. ENGINEERING		LANDSCAPING		PROJECT TOTAL	
NUMBER	DESCRIPTION	UNIT	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
201000	CLEARING AND GRUBBING	LS	LS										LS	
203000	UNCLASSIFIED EXCAVATION	CY	940										940	
207000	SUBGRADE PREPARATION 6"	SY	3,070										3,070	
303160	BASE COURSE TYPE II 6"	SY	3,070										3,070	
408100	PRIME COAT MATERIAL	TON	6										6	
414140	COLD MILLING (ASPHALT) 2"	SY IN	6,500										6,500	
416000	MINOR PAVEMENT (3.5" SPIII HMA)	SY	3,070										3,070	
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	LS										LS	
602070	EROSION CONTROL ROCK 3/4"	SY	860										860	
608004	CONCRETE SIDEWALK 4"	SY	850										850	
608404	CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)	SY	165										165	
608106	DRIVE PAD 6"	SY	580										580	
609424	CONCRETE VERTICAL CURB & GUTTER TYPE B, 6"X24"	LF	1,520										1,520	
617000	VIDEO RECORDING	LS							LS				LS	
618000	TRAFFIC CONTROL MANAGEMENT	LS							LS				LS	
621000	MOBILIZATION	LS	LS										LS	
623404	DROP INLET 4' X 4' TYPE II-B H=4'1" TO 6'0" (INCLUDING DRYWELL)	EA	3										3	
662400	MANHOLE ADJUSTMENTS	EA	3										3	
663855	ADJUST VALVE BOX TO GRADE	EA	2										2	
701000	PANEL SIGNS	SF						25					40	
701100	STEEL/BASE POST FOR ALUMINUM PANEL SIGNS	LF						27					50	
702000	CONSTRUCTION SIGNING	SF			376								376	
702110	PORTABLE SIGN SUPPORT	EA			6								6	
702238	BARRICADE, TYPE III - 8FT	EA			6								6	
704000	RETROREFLECTORIZED PAINTED PAVEMENT STRIPE 4"	LF	1,740										3,470	
704224	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 24"	LF	120										230	
801000	CONSTRUCTION STAKING BY CONTRACTOR	LS							LS				LS	
802000	POST CONSTRUCTION PLANS	LS							LS				LS	
STS-001	UTILITY EXPLORATION	LS							LS				LS	
STS-002	UTILITY ALLOWANCE	ALLOW							LS				LS	
STS-003	SIDEWALK CULVERT	EA	3										3	

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SHEET TITLE
**SUMMARY OF
 QUANTITIES**

SHEET NO:
1-5

GENERAL NOTES:

- ALL IMPROVEMENTS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION 2014, EXCEPT WHERE OTHERWISE MODIFIED IN THE PROJECT SPECIFICATIONS OR NOTED IN THE DRAWINGS. ADDITIONALLY, WHEN APPROPRIATE FOR WATER AND/OR SANITARY SEWER CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH 'NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION', LATEST ADDITION.
- STANDARD DRAWINGS: REFER TO STANDARD DRAWINGS FOR THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, LATEST EDITION UNLESS OTHERWISE NOTED. ADDITIONALLY, REFER TO 'NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION', LATEST ADDITION, WHERE INDICATED IN THE PLANS.
- THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF PROJECT CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE OWNER, ENGINEER AND ALL APPROVAL SIGNATORIES. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR TECHNIQUES OR FOR THE PROSECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE EMERGENCY CONTACT PERSON, AND SHALL PROVIDE TELEPHONE NUMBERS WHERE THIS PERSON CAN BE CONTACTED AT ANY TIME, INCLUDING WEEKENDS, HOLIDAYS AND AFTER HOURS. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS FROM ALL JURISDICTIONAL AUTHORITIES PRIOR TO START OF CONSTRUCTION. PERMIT COSTS ARE INCIDENTAL TO THE PROJECT.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY, HEALTH, AND ENVIRONMENTAL PROTECTION.
- EXISTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. REPAIRS SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION OF THE REPAIRS. REPAIRS SHALL BE ACCEPTED BY THE OWNER PRIOR TO FINAL PAYMENT.
- NO STAGING AREA HAS BEEN IDENTIFIED FOR THIS SITE. NO MATERIAL OR EQUIPMENT MAY BE STORED OR LEFT ON-SITE. THE OWNER ASSUMES NO LIABILITY FOR CONTRACTOR'S EQUIPMENT AND MATERIAL IN THE STAGING AREA. SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF NO STAGING AREA IS DESIGNATED ON THESE PLANS, AN OFF-SITE STAGING AREA SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE, OR THE CONTRACTOR MAY NEGOTIATE WITH THE OWNER TO USE AN ON-SITE AREA. A MINIMUM CLEAR ZONE OF 10 FOOT SHALL BE MAINTAINED FROM THE EDGE OF DRIVING LANES AT ALL TIMES.
- ALL STATIONING REFERS TO APPARENT CENTERLINE OF ROADWAY UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS/HER CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE, SUPPORT AND RECONNECT THE UTILITY TO ACCOMMODATE NEW CONSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- NON-DESTRUCTIVE UTILITY EXPLORATION-TYPICAL TASKS BY THE CONTRACTOR LEADING TO UTILITY EXPLORATION ARE:
 A) SELECT AN APPROPRIATE METHOD OF GATHERING DATA THAT WILL ACHIEVE THE ACCURACIES AND PRECISION REQUIRED TO IDENTIFY THE EXACT X, Y AND Z LOCATION OF CONFLICT. VERTICAL AND HORIZONTAL SURVEY MAPPING ACCURACY SHALL ADHERE TO THE DESIGN SURVEY CONTROL.
 B) WHEN EXCAVATING TEST HOLES EXPOSING THE UTILITY TO BE MEASURED, IT SHALL BE EXECUTED IN SUCH A MANNER THAT IT PROTECTS THE INTEGRITY OF THE UTILITY TO BE MEASURED. EXPOSURE IS TYPICALLY PERFORMED VIA MINIMALLY INTRUSIVE EXCAVATION.
 C) NON-DESTRUCTIVE UTILITY EXPLORATION SHALL BE DONE A MINIMUM OF ONE WEEK IN ADVANCE OF PROJECT SCHEDULE.
 D) COMPLY WITH APPLICABLE UTILITY DAMAGE PREVENTION LAWS, PERMITS, AND SPECIFICATIONS, AND COORDINATE WITH UTILITY AND OTHER INSPECTORS, AS REQUIRED.
 E) DETERMINE (a) THE HORIZONTAL AND VERTICAL LOCATION OF THE TOP AND/OR BOTTOM OF THE UTILITY REFERENCED TO THE PROJECT SURVEY DATUM; (b) THE ELEVATION OF THE EXISTING GRADE OVER THE UTILITY AT A TEST HOLE REFERENCED TO THE PROJECT SURVEY DATUM; (c) THE OUTSIDE DIAMETER OF THE UTILITY AND CONFIGURATION OF NON-ENCASED, MULTI-CONDUIT SYSTEMS; (d) THE UTILITY STRUCTURE MATERIAL COMPOSITION, WHEN REASONABLY ASCERTAINABLE; (e) THE BENCHMARKS AND/OR PROJECT SURVEY DATA USED TO DETERMINE ELEVATIONS; (f) THE PAVING THICKNESS AND TYPE, WHERE APPLICABLE; (g) THE GENERAL SOIL TYPE AND SITE CONDITIONS; AND (h) SUCH OTHER PERTINENT INFORMATION AS IS REASONABLY ASCERTAINABLE FROM EACH TEST HOLE SITE.

- UTILITY ALLOWANCE: A UTILITY ALLOWANCE IS PROVIDED IN BID ITEM STS-002. UTILITY ALLOWANCE IS INTENDED TO COVER WORK REQUIRED DURING CONSTRUCTION WHICH IS NOT KNOWN DUE TO COVERED AND UNFORESEEN UNDERGROUND UTILITY CONFLICTS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A DETAILED SCOPE OF WORK AND COST FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH UTILITY ALLOWANCE WORK. PROVISIONS OF ALLOWANCE DO NOT GUARANTEE FULL AMOUNT TO CONTRACTOR. ONLY THAT PORTION OF MONEY USED FOR INTENDED PURPOSES WILL BE EXPENDED.
- SALVAGEABLE MATERIALS SHALL BE REMOVED FROM THE SITE AND TRANSPORTED TO THE CITY OF ANTHONY AS DIRECTED BY THE PROJECT MANAGER.
- "R" VALUE: THE DESIGN "R" VALUE FOR THIS PROJECT, BASED ON GEO-TECH REPORT COMPLETED ON APRIL 13, 2015 BY GEO-TEST, IS 50. MATERIAL LESS THAN THE DESIGN "R" VALUE SHALL NOT BE PLACED IN OR ALLOWED TO REMAIN WITHIN THE TOP 2 FEET OF THE FINISHED SUBGRADE.
- WARPING AND SLOPES: THE CONTRACTOR SHALL WARP THE SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS.

EROSION CONTROL/ENVIRONMENTAL PROTECTION/ STORM WATER POLLUTION PREVENTION PLAN:

- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM REGULATORY AGENCIES.
- THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY TO KEEP IT FROM WASHING OFF THE PROJECT SITE.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO OTHER PROPERTY BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS OR INSTALLING SILT FENCES AT THE PROPERTY LINES AS INDICATED ON THE STORM WATER POLLUTION PREVENTION PLAN.
- THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING CHECK DAMS IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS SPECIFIED ON THE STORM WATER POLLUTION PREVENTION PLAN.
- THE CONTRACTOR SHALL WET THE SOIL AS NEEDED TO KEEP IT FROM BLOWING. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED. THE CONTRACTOR SHALL OBTAIN A DUST PERMIT FROM DONA ANA COUNTY PRIOR TO CONSTRUCTION. PERMIT SHALL BE INCIDENTAL TO THE PROJECT.
- ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR ANY IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS, NATIVE GRASS SEEDING SHALL BE CLASS A SEEDING PER SECTION 6320 OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION.

- ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED FOR HAUL OR DISPOSAL OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES AND ARCHAEOLOGICAL RESOURCES.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 1-(505)-827-9329.

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.

- WHERE STORM INLETS ARE SUSCEPTIBLE TO IN FLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE INSTALLED ON THEIR UPSTREAM SIDE.

- THE CONTRACTOR SHALL PREPARE AND MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON-SITE AT ALL TIMES, AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN. COST SHALL BE PAID UNDER BID ITEM 603281 DESCRIBED AS 'NPDES COMPLIANCE, INCLUDING SWPPP'.

ROADS:

- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO SURFACING OF THE STREETS. ALL WATER VALVE BOXES AND ELECTRICAL, TELEPHONE, TELEVISION AND SEWER MANHOLES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISH GRADE.
- ALL PERMANENT SIGNS, BARRICADES, CHANNELIZATION DEVICES, PAVEMENT MARKINGS, SIGN FRAMES AND ERECTION OF SUCH DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION.
- ALL STREET STRIPING ALTERED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO MATCH THE ORIGINAL CONDITIONS (I.E. TYPE, SPACING) AT THE LOCATION PRIOR TO CONSTRUCTION, OR AS SHOWN IN THIS PLAN SET.
- STREET GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING GRADES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS REPLACED. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT BACK EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT.
- A STREET CUT PERMIT MUST BE ACQUIRED FROM THE CITY OF ANTHONY.
- ALL WORK IN PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BY A LICENSED CONTRACTOR AND REQUIRES PERMIT AND APPROVAL BY THE CITY OF ANTHONY.

UTILITIES-GENERAL NOTE:

- IF ANY UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS. LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF OR DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY CONTRACTOR'S FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE CONTRACTOR SHALL NOTIFY NEW MEXICO ONE CALL AT 1-800-321-2537 AT LEAST THREE WORKING DAYS PRIOR TO STARTING WORK ON THIS PROJECT.
- SEWER/WATER LINES SHALL BE PLACED IN SEPARATE TRENCHES A DISTANCE OF 15 FEET TYPICALLY OR A MINIMUM OF 10 FEET APART HORIZONTALLY. THE WATER LINE SHALL BE PLACED A MINIMUM OF 1.5 FEET HIGHER IN ELEVATION THAN THE SEWER, OTHERWISE THE SANITARY SEWER LINE SHALL BE ENCASED IN 6 INCH THICK CONCRETE FOR AT LEAST 10 FEET ON EACH SIDE OF THE WATERLINE. AT ALL CROSSINGS OF WATER AND SEWER LINES, THE WATER LINE SHALL BE MINIMUM OF 1.5 FEET HIGHER THAN THE SEWER OR THE SEWER LINE SHALL BE C-900 PRESSURIZED PIPE.
- SEWER & WATER LINE DISTANCES SHOWN IN PLANS ARE HORIZONTAL DISTANCES WITHOUT REGARD TO SLOPE OF PIPE OR PROJECT STATIONING.

REMOVALS:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THIS PROJECT. REMOVALS NOT SHOWN ON THE PLANS SHALL BE DESIGNATED BY THE PROJECT MANAGER. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER BID ITEM 601000 AND NO ADDITIONAL MEASUREMENT OF PAYMENT SHALL BE MADE.

LEGEND

	CONTROL POINT		TELEPHONE POLE
	UTILITY, METER, NATURAL GAS		CULVERT BOX
	UTILITY, WATER METER		TRANSFORMER BOX
	MAILBOX		JUNCTION ELECTRICAL BOX
	UTILITY, SANITARY MANHOLE		POWER POLE
	UTILITY, WATER VALVE		STORM DRAIN MANHOLE
	SPRINKLER BOX		FIRE HYDRANT
	GATE		DECIDUOUS MEDIUM
	CABLE TV		BOLLARD
	CULVERT		SITE SIGN
	STONE WALL		LIGHT POLE
	IRON FENCE		GUY WIRE
	BARB WIRE		SLOPE ARROW
	CHAIN LINK FENCE		
	VEGETATION		
	4" STEEL GAS		
	4" PVC GAS		
	2" PVC GAS		
	GAS LINE		
	ELECTRIC LINE, OVERHEAD		
	FIBER OPTICS LINE		
	16" WATER LINE		
	WATER LINE		
	14" WATER LINE		
	10" WATER LINE		
	6" WATER LINE		
	8" WATER LINE		
	RIGHT OF WAY		

UTILITY CONTACTS

UTILITY COMPANY	CONTACT NAME	PHONE NUMBER	UTILITY SERVICE
ANTHONY WATER & SANITATION DISTRICT	JOSE TERRONES	575-882-3922	WATER
ANTHONY WATER & SANITATION DISTRICT	JOSE TERRONES	575-882-3922	WASTEWATER
EL PASO ELECTRIC	ISMAEL NAJI	915-543-2294	ELECTRIC
NEW MEXICO GAS COMPANY	GABRIEL ORTIZ	505-697-5408	GAS
CENTURY LINK	RAMON ROMAN	575-640-9152	TELEPHONE

CITY OF ANTHONY CONTACT

CITY OF ANTHONY	ESTHER MOTONGO	575-882-2983	PROJECTS COORDINATOR
-----------------	----------------	--------------	----------------------

WILSON & COMPANY
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 FAX: 575-527-9258
 www.wilsonco.com

CONSULTANTS

SEAL

PROJECT NAME

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00

DESIGNED BY: ESH/GAV

DRAWN BY: GO

CHECKED BY: ----

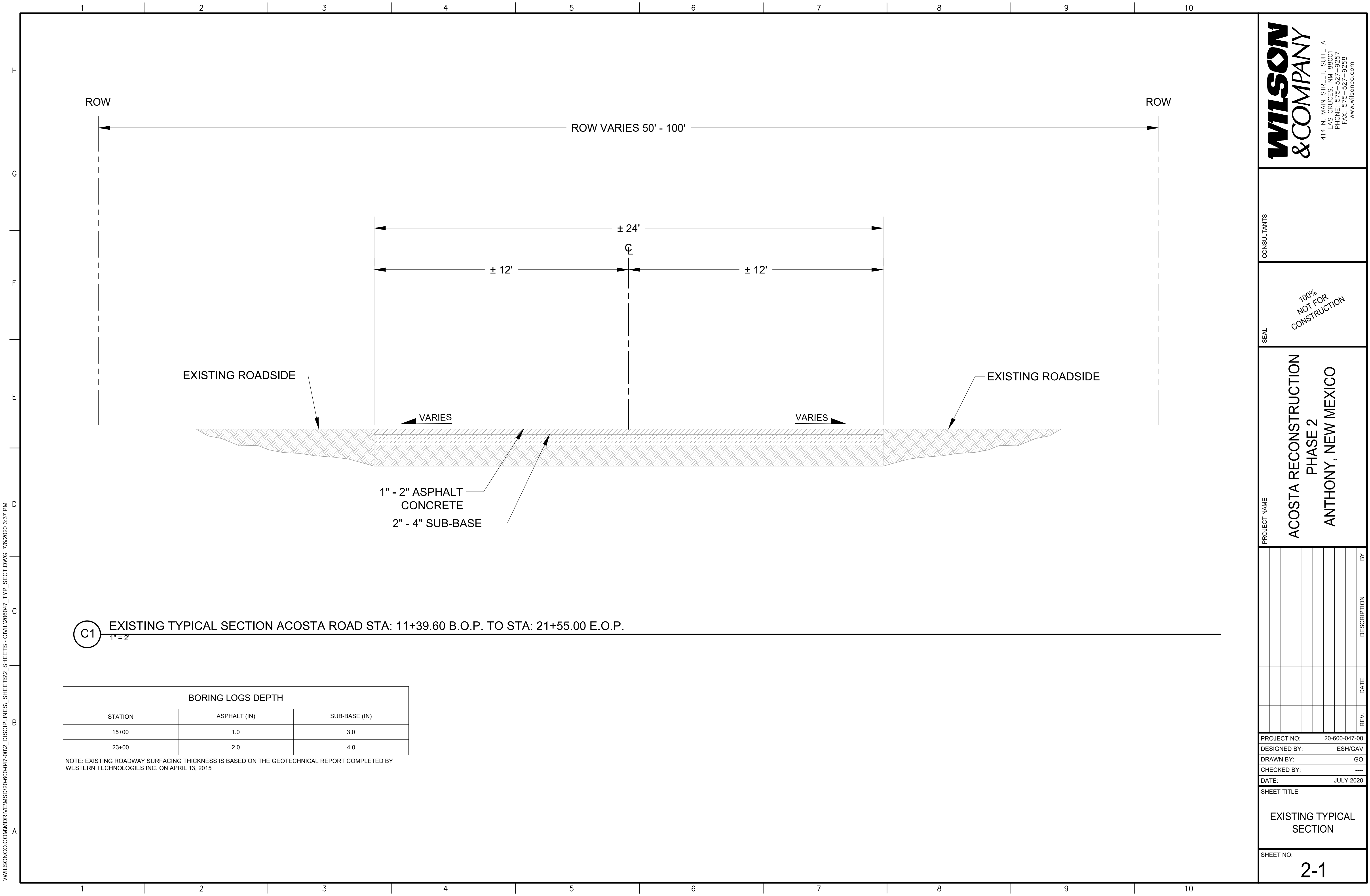
DATE: JULY 2020

SHEET TITLE

GENERAL NOTES

SHEET NO:

1-6



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CONSULTANTS

SEAL

100%
NOT FOR
CONSTRUCTION

PROJECT NAME

ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY: ...
 DATE: JULY 2020

SHEET TITLE
 EXISTING TYPICAL SECTION

SHEET NO:
2-1

C1 EXISTING TYPICAL SECTION ACOSTA ROAD STA: 11+39.60 B.O.P. TO STA: 21+55.00 E.O.P.
 1" = 2"

BORING LOGS DEPTH		
STATION	ASPHALT (IN)	SUB-BASE (IN)
15+00	1.0	3.0
23+00	2.0	4.0

NOTE: EXISTING ROADWAY SURFACING THICKNESS IS BASED ON THE GEOTECHNICAL REPORT COMPLETED BY WESTERN TECHNOLOGIES INC. ON APRIL 13, 2015

\\WILSONCO.COM\DRIVE\MSD\20-600-047-00\2_DISCIPLINES\SHEETS\S2_SHEETS\S2_SHEETS\CIVIL\206047_TYP_SECT.DWG 7/16/2020 3:37 PM

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CONSULTANTS

SEAL

100%
NOT FOR
CONSTRUCTION

PROJECT NAME
**ACOSTA RD RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO**

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY: ---
 DATE: JULY 2020

SHEET TITLE
PROPOSED TYPICAL SECTION

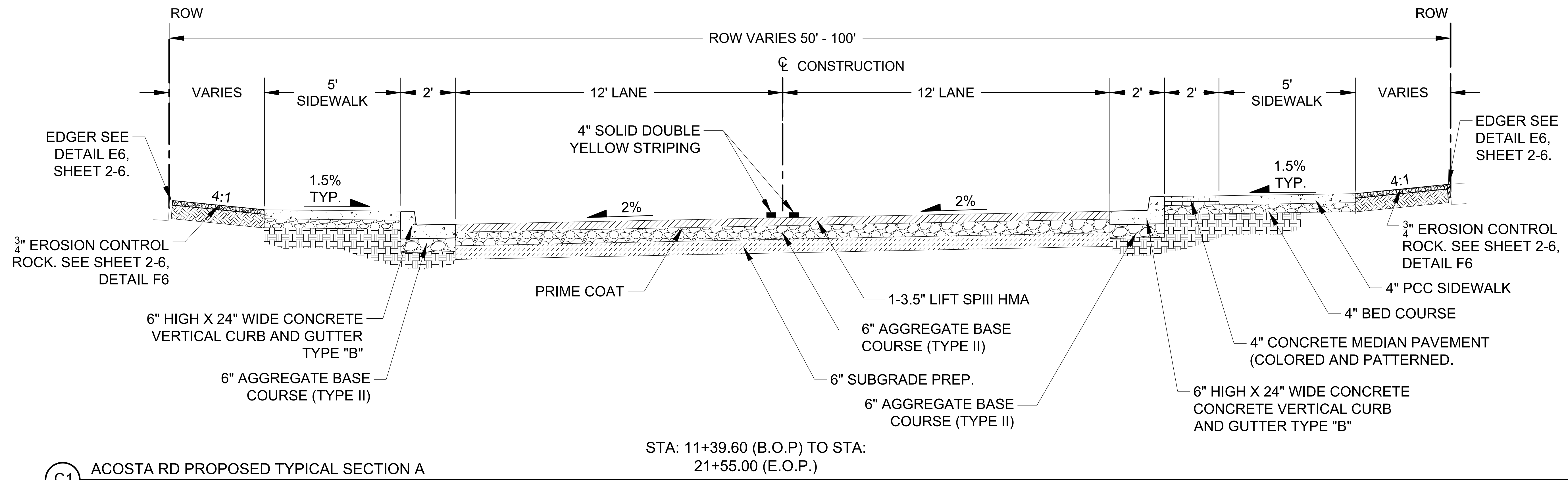
SHEET NO:
2-2

LENGTH OF PROJECT SCHEDULE				
STATION	STATION	L.F.	MILES	REMARKS
11+39.60	72+26.14	6,086.54	1.15	ACOSTA RD
TOTAL		6,086.54	1.15	

DESIGN SPEED 25 MPH - URBAN		
ACOSTA RD (ANGLE RD. TO ANTHONY DR.)	ADT (2015)	3423
ACOSTA RD (ANGLE RD. TO ANTHONY DR.)	ADT (2035)	5087

DESIGN PARAMETERS			
ACOSTA RD			
INITIAL SERVICEABILITY INDEX*	4.2		R-VALUE*
TERMINAL SERVICEABILITY INDEX*	2		50

*VALUES PROVIDED FROM NMDOT PRELIMINARY PAVING DESIGN REPORT DATED 4/13/15



ROADWAY SURFACING SCHEDULE

STATION TO STATION	LOCATION	DESCRIPTION	LENGTH (LF)	207000		303160					408100		416000				FOR CONTRACTORS INFORMATION ONLY	
				SUBGRADE PREPARATION		BASE COURSE, 6"					ASPHALT MATERIAL FOR PRIME COAT MATERIAL		MINOR PAVEMENT				70-22 PG ASPHALT MATERIAL	HYDRATED LIME
				WIDTH (FT)	AREA (SY)	WIDTH (FT)	DEPTH (IN)	(SY)	(TON)	WIDTH (FT)	(TON)	WIDTH (FT)	DEPTH (IN)	(SY)	(TON)	(TON)	(TON)	
		ACOSTA RD.																
11+39.60	21+50.00	LT & RT TYPICAL SECTION A 2-12' LANES	1010.40	24.00	2694.40	24.00	6.00	2694.40	891.40	24.00	5.05	24.00	3.50	2694.40	523.91		34.58	7.86
		**INTERSECTIONS															0.00	0.00
13+93.12	14+65.78	RT GRANITE ST.	30.00	42.55	164.80	42.55	6.00	164.80	54.52	42.55	0.27	42.55	3.50	164.80	32.04		2.11	0.48
19+92.92	20+65.58	RT MERIDA DR.	30.00	28.20	114.80	28.20	6.00	114.80	37.98	28.20	0.18	28.20	3.50	114.80	22.32		1.47	0.33
		PROJECT TOTAL			2974.00			2974.00	983.90		5.49			2974.00	578.28		38.17	8.67
		PROJECT USE			3070.00			3070.00	1020.00		6.00			3070.00	600.00		40.00	10.00

* FOR CONTRACTORS INFORMATION ONLY - ACTUAL WEIGHTS, PERCENTS AND APPLICATION RATES TO BE DETERMINED BY THE APPROVED PAVEMENT DESIGN AND PROJECT MANAGER
 ** AREAS TAKEN FROM AUTOCAD AND MAY CONTAIN IRREGULAR AREAS

ESTIMATED SURFACING FACTORS						
ITEMS	* 70-22 PG GRADED ASPHALT MTL. (% BY WEIGHT)	HYDRATED LIME (% BY WEIGHT)	SPEC 407 TACK COAT (GAL/SY)	SPEC 408 PRIME COAT (GAL/SY)	* UNIT WEIGHT (LBS/CY)	* UNIT VOLUME (GAL/TON)
UNTREATED BASE COURSE					3970	
HMA SP-III	6.60	1.50			4000	
TACK COAT			0.080			240
PRIME COAT				0.450		240

* FOR CONTRACTORS INFORMATION ONLY - ACTUAL WEIGHTS, PERCENTS AND APPLICATION RATES TO BE DETERMINED BY THE APPROVED PAVEMENT DESIGN AND PROJECT MANAGER

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CONSULTANTS

SEAL

PROJECT NAME

100%
NOT FOR
CONSTRUCTION

**ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO**

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY: ...
 DATE: JULY 2020

SHEET TITLE
SURFACING SCHEDULE

SHEET NO:
2-3

\\WILSONCO.COM\DRIVE\MSD\20-600-047-00\2_DISCIPLINES\SHEETS\SHEETS\SHEETS\CIVIL\206047_TYP_SECT.DWG 7/16/2020 3:37 PM

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203000 UNCLASSIFIED EXCAVATION							
STATION	TO	STATION	LOCATION / DESCRIPTION	LENGTH (LF)	WIDTH (LF)	DEPTH (LF)	VOLUME (CY)
11+39.60		21+55.00	ACOSTA ROADWAY & INTERSECTIONS	1015.4	VARIES	VARIES	907.74
PROJECT TOTAL							907.74
PROJECT USE							940.00

414140 COLD MILLING (ASPHALT) 4"							
STATION	TO	STATION	LOCATION / DESCRIPTION	LENGTH (LF)	WIDTH (LF)	AREA (SF)	SY-IN (2")
11+39.60		21+50.00	ACOSTA ROADWAY & INTERSECTIONS	1010.40	VARIES	28396.55	6310.34
PROJECT TOTAL							6310.34
PROJECT USE							6500.00

609462 CONCRETE VERTICAL CURB AND GUTTER TYPE B 6" X 24"				
STATION	TO	STATION	LOCATION / DESCRIPTION	LENGTH (LF)
11+39.60		12+02.40	LEFT OFFSET 12.65' to 12'	62.82
12+46.40		13+31.45	LEFT OFFSET 12'	85.15
13+75.45		14+31.22	LEFT OFFSET 12'	55.77
14+63.22		14+90.35	LEFT OFFSET 12'	27.13
15+20.35		15+54.12	LEFT OFFSET 12'	33.77
15+84.12		15+96.29	LEFT OFFSET 12'	12.16
16+26.29		18+29.75	LEFT OFFSET 12'	203.46
18+89.14		19+56.14	LEFT OFFSET 12'	67.00
19+86.14		20+63.19	LEFT OFFSET 12'	77.05
20+93.19		20+99.53	LEFT OFFSET 12'	6.34
21+29.53		21+29.53	LEFT OFFSET 12'	19.64
11+39.60		14+14.45	RIGHT OFFSET 14.86' to 55'	306.57
14+44.45		15+13.45	RIGHT OFFSET 55' to 12'	100.76
15+43.45		17+64.96	RIGHT OFFSET 12'	221.51
18+25.68		18+53.64	RIGHT OFFSET 12'	27.96
18+83.64		19+15.96	RIGHT OFFSET 12'	32.32
19+45.96		20+14.25	RIGHT OFFSET 12' to 40'	85.07
20+44.25		21+18.06	RIGHT OFFSET 40' to 12'	90.58
21+48.06		21+49.85	RIGHT OFFSET 12'	1.79
PROJECT TOTAL				1516.84
PROJECT USE				1520.00

** LENGTHS ARE MEASURED IN AUTOCAD AND MAY CONTAIN LENGTHS ALONG RADII
** AREAS ARE TAKEN FROM AUTOCAD AND MAY CONTAIN IRREGULAR AREAS

608106 DRIVE PAD 6"							
STATION	TO	STATION	LOCATION / DESCRIPTION	LENGTH (LF)	WIDTH (LF)	9 SQ FT / SY	AREA** (SY)
12+02.40		12+46.40	LEFT OFFSET 12'	30.00	7.00	9.00	42.46
13+31.45		13+75.45	LEFT OFFSET 12'	30.00	7.00	9.00	42.46
14+31.22		14+63.22	LEFT OFFSET 12'	18.00	7.00	9.00	30.45
14+90.35		15+20.35	LEFT OFFSET 12'	16.00	7.00	9.00	28.46
15+54.12		15+84.12	LEFT OFFSET 12'	16.00	7.00	9.00	28.46
15+96.29		16+26.29	LEFT OFFSET 12'	16.00	7.00	9.00	28.46
18+29.75		18+89.14	LEFT OFFSET 12'	45.39	7.00	9.00	57.85
19+56.14		19+86.14	LEFT OFFSET 12'	16.00	7.00	9.00	28.45
20+63.19		20+93.19	LEFT OFFSET 12'	16.00	7.00	9.00	28.45
20+99.53		21+29.53	LEFT OFFSET 12'	16.00	7.00	9.00	28.45
15+13.45		15+43.45	RIGHT OFFSET 12'	16.00	13.00	9.00	39.10
17+64.96		18+25.68	RIGHT OFFSET 12'	46.72	12.50	9.00	87.70
18+53.64		18+83.64	RIGHT OFFSET 12'	16.00	12.50	9.00	38.21
19+15.96		19+45.96	RIGHT OFFSET 12'	16.00	12.50	9.00	38.21
21+18.06		21+48.06	RIGHT OFFSET 12'	16.00	7.00	9.00	28.44
PROJECT TOTAL							575.59
PROJECT USE							580.00

** AREAS ARE TAKEN FROM AUTOCAD AND MAY CONTAIN IRREGULAR AREAS

662400 MANHOLE ADJUSTMENT TO GRADE		
STATION	LOCATION / DESCRIPTION	EACH
15+52.32	OFF: 22.45' LT	1.00
17+55.43	OFF: 0.32' LT	1.00
21+26.02	OFF: 20.89' LT	1.00
PROJECT TOTAL		3.00
PROJECT USE		3.00

663855 ADJUST VALVE BOX TO GRADE		
STATION	LOCATION / DESCRIPTION	EACH
12+86.49	OFF: 18.39' RT	1.00
14+27.94	OFF: 16.22' RT	1.00
PROJECT TOTAL		2.00
PROJECT USE		2.00

LUMP SUM ITEMS			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201000	CLEARING AND GRUBBING	LS	1
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
617000	VIBRATION MONITORING	LS	1
618000	TRAFFIC CONTROL MANAGEMENT	LS	1
621000	MOBILIZATION	LS	1
801000	CONSTRUCTION STAKING BY CONTRACTOR	LS	1
802000	POST CONSTRUCTION PLANS	LS	1
STS-001	UTILITY EXPLORATION	LS	1
STS-002	UTILITY ALLOWANCE	LS	1
STS-003	SIDEWALK CULVERT	EA	1

608004 CONCRETE SIDEWALK 4"							
STATION	TO	STATION	LOCATION / DESCRIPTION	LENGTH* (LF)	WIDTH (LF)	9 SQ FT / SY	AREA** (SY)
11+39.16		12+02.40	LEFT OFFSET 14.65'	62.81	5.00	9.00	34.89
12+46.40		13+31.45	LEFT OFFSET 14'	85.17	5.00	9.00	47.36
13+75.45		14+31.22	LEFT OFFSET 14'	66.52	5.00	9.00	36.99
14+63.22		14+90.35	LEFT OFFSET 14'	27.13	5.00	9.00	15.07
15+20.35		15+54.12	LEFT OFFSET 14'	33.77	5.00	9.00	18.78
15+84.12		15+96.29	LEFT OFFSET 14'	12.17	5.00	9.00	6.78
16+26.29		18+29.75	LEFT OFFSET 14'	203.46	5.00	9.00	113.03
18+89.14		19+56.14	LEFT OFFSET 14'	67.02	5.00	9.00	37.26
19+86.14		20+63.19	LEFT OFFSET 14'	77.09	5.00	9.00	42.84
20+93.19		20+99.53	LEFT OFFSET 14'	6.34	5.00	9.00	3.53
21+29.53		21+49.16	LEFT OFFSET 14'	19.62	5.00	9.00	10.89
11+39.60		14+12.45	RIGHT OFFSET 14" to 55"	301.67	5.00	9.00	168.59
14+46.45		15+13.45	RIGHT OFFSET 14" to 55"	95.43	5.00	9.00	54.00
15+43.45		17+64.96	RIGHT OFFSET 14"	221.51	5.00	9.00	123.10
18+25.68		18+53.64	RIGHT OFFSET 14"	27.96	5.00	9.00	15.53
18+83.64		19+15.96	RIGHT OFFSET 14"	32.94	5.00	9.00	17.97
19+45.96		20+12.25	RIGHT OFFSET 14" to 40'	80.09	5.00	9.00	45.60
20+46.25		21+18.06	RIGHT OFFSET 14" to 40'	86.51	5.00	9.00	48.51
21+48.06		21+49.85	RIGHT OFFSET 14'	1.77	5.00	9.00	0.98
PROJECT TOTAL							841.71
PROJECT USE							850.00

*LENGTHS ARE MEASURED IN AUTOCAD AND MAY CONTAIN MEASUREMENTS AROUND RADII
** AREAS ARE MEASURED IN AUTOCAD AND MAY CONTAIN IRREGULAR AREAS

608404 CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)							
STATION	TO	STATION	LOCATION / DESCRIPTION	LENGTH* (LF)	WIDTH (LF)	9 SQ FT / SY	AREA** (SY)
11+39.60		14+12.45	RIGHT OFFSET 14" to 55'	301.67	5.00	9.00	54.33
14+46.45		15+13.45	RIGHT OFFSET 14" to 55'	95.43	5.00	9.00	10.11
15+43.45		17+64.96	RIGHT OFFSET 14"	221.51	5.00	9.00	52.33
18+25.68		18+53.64	RIGHT OFFSET 14"	27.96	5.00	9.00	9.33
18+83.64		19+15.96	RIGHT OFFSET 14"	32.94	5.00	9.00	10.33
19+45.96		20+12.25	RIGHT OFFSET 14" to 40'	80.09	5.00	9.00	10.06
20+46.25		21+18.06	RIGHT OFFSET 14" to 40'	86.51	5.00	9.00	12.56
PROJECT TOTAL							159.06
PROJECT USE							165.00

*LENGTHS ARE MEASURED IN AUTOCAD AND MAY CONTAIN MEASUREMENTS AROUND RADII
** AREAS ARE MEASURED IN AUTOCAD AND MAY CONTAIN IRREGULAR AREAS

602070 - DROP INLET 4'X4' TYPE II-B (INCLUDING DRYWELL)			
ITEM NO.	DESCRIPTION	STA.	QUANTITY (EA)
602070	DROP INLET INCLUDING DRYWELL (NORTH SIDE)	13+86.12	1
602070	DROP INLET INCLUDING DRYWELL (NORTH SIDE)	16+34.04	1
602070	DROP INLET INCLUDING DRYWELL (NORTH SIDE)	18+96.33	1
PROJECT TOTAL			3
PROJECT USE			3

602070 - EROSION CONTROL ROCK		
ITEM NO.	DESCRIPTION	QUANTITY (S.Y.)
602070	3/4" EROSION CONTROL ROCK (NORTH SIDE)	337
602070	3/4" EROSION CONTROL ROCK (SOUTH SIDE)	517
PROJECT TOTAL		854
PROJECT USE		860

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PHONE: 575-527-9257
FAX: 575-527-9258
www.wilsonco.com

CONSULTANTS

SEAL

PROJECT NAME

REV. DATE DESCRIPTION BY

PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
CHECKED BY: ---
DATE: JULY 2020

SHEET TITLE
MISCELLANEOUS QUANTITIES

SHEET NO:
2-4

100%
NOT FOR
CONSTRUCTION

ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO

\\WILSONCO.COM\DRIVE\MSD\20-600-047-002_DISCIPLINES_SHEETS - CIVIL\206047_TYP_SECT.DWG 7/6/2020 3:37 PM

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F
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1 2 3 4 5 6 7 8 9 10

ITEM NO. 601000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	TO	STATION	LOCATION	LENGTH (FT)	WIDTH (FT)	QUANTITY	UNIT	STRUCTURE	REMARKS
11+39.60		11+56.31	LT OFFSET 16.19'	16.71	5.00	9.28	SY	CONCRETE SIDEWALK	CONTRACTOR TO REMOVE AND DISPOSE
14+14.14		16+37.74	LT OFFSET 20.56'	223.61	4.00	99.38	SY	CONCRETE SIDEWALK	CONTRACTOR TO REMOVE AND DISPOSE
14+06.03		14+08.51	RT OFFSET 24.04'	12.96	5.00	5.87	SY	CONCRETE SIDEWALK	CONTRACTOR TO REMOVE AND DISPOSE
14+46.47		14+48.96	RT OFFSET 35.65'	11.83	5.00	5.01	SY	CONCRETE SIDEWALK	CONTRACTOR TO REMOVE AND DISPOSE
20+05.45		20+08.26	RT OFFSET 22.9'	12.97	4.00	5.76	SY	CONCRETE SIDEWALK	CONTRACTOR TO REMOVE AND DISPOSE
20+46.34		20+48.75	RT OFFSET 33.94'	12.52	4.00	5.56	SY	CONCRETE SIDEWALK	CONTRACTOR TO REMOVE AND DISPOSE
11+39.60		11+46.14	LT OFFSET 16.19'	6.67		6.67	LF	CURB AND GUTTER	CONTRACTOR TO REMOVE AND DISPOSE
11+39.60		11+41.86	RT OFFSET 13.53'	2.26		2.26	LF	CURB AND GUTTER	CONTRACTOR TO REMOVE AND DISPOSE
14+07.87		14+12.58	RT OFFSET 19.50'	16.98		16.98	LF	CURB AND GUTTER	CONTRACTOR TO REMOVE AND DISPOSE
14+44.44		14+49.14	RT OFFSET 35.65'	17.89		17.89	LF	CURB AND GUTTER	CONTRACTOR TO REMOVE AND DISPOSE
20+07.07		21+12.02	RT OFFSET 17.36'	17.57		17.57	LF	CURB AND GUTTER	CONTRACTOR TO REMOVE AND DISPOSE
20+44.12		20+48.66	RT OFFSET 33.94'	18.11		18.11	LF	CURB AND GUTTER	CONTRACTOR TO REMOVE AND DISPOSE
14+50.07			RT OFFSET 22.17'			1.00	EA	STOP SIGN	CONTRACTOR TO REMOVE AND DISPOSE
15+11.20			RT OFFSET 18.79'			1.00	EA	SPEED LIMIT SIGN	CONTRACTOR TO REMOVE AND DISPOSE
20+07.08			RT OFFSET 27.84'			1.00	EA	NO PARKING SIGN	CONTRACTOR TO REMOVE AND DISPOSE
21+55.61			RT OFFSET 16.70'			1.00	EA	STOP SIGN	CONTRACTOR TO REMOVE AND DISPOSE
							PROJECT USE	LS	

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PROJECT NAME

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NOT FOR
CONSTRUCTION

ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY: ...
 DATE: JULY 2020

SHEET TITLE
 MISCELLANEOUS
 QUANTITIES

SHEET NO:
 2-5

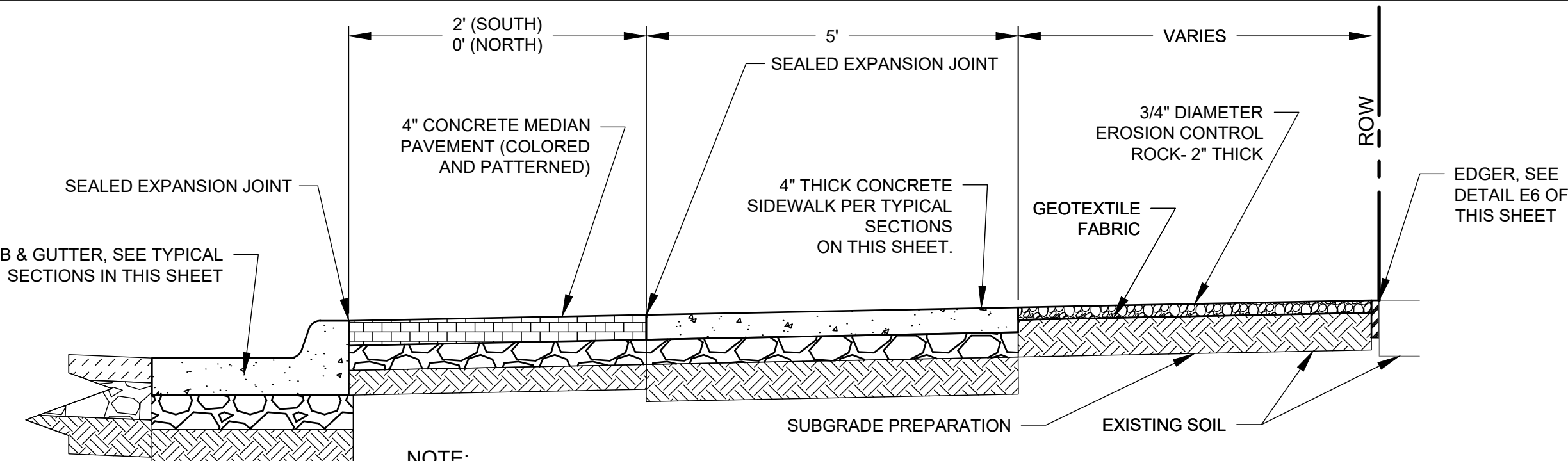
1 2 3 4 5 6 7 8 9 10

GENERAL NOTES:

- DESIGN ELEVATIONS TO BE GIVEN AT EACH END OF THE CURB RETURN (TOP OF CURB ELEV.) AND AT INTERSECTIONS OF PROJECTED FLOWLINES (FLOWLINE ELEV.).
- ON UPSTREAM AND DOWNSTREAM ENDS OF THE INTERSECTION, VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF RETURNS.
- THE VALLEY GUTTER TO BE REINFORCED WITH 6" X 6" X NO. 6 GA. WIRE MESH.
- INVERT OF VALLEY GUTTER TO EXTEND FROM FLOWLINE OF UPSTREAM CURB RETURN TO FLOWLINE OF DOWNSTREAM CURB RETURN.
- CURB FLOWLINE AND TOP OF CURB ELEV. SHOWN IN THE BOX CORRESPOND TO QUARTERPOINTS INDICATED ON THE CURB RETURN IN THE CLOCKWISE DIRECTION.
- DENOTES 1/2" EXPANSION JOINT.
- FOR NEW CONSTRUCTION, VALLEY GUTTER SHALL BE CONSTRUCTED PRIOR TO ADJACENT PAVEMENT. ASPHALT CONC. SHALL BE INSTALLED MONOLITHICALLY TO MEET NEW VALLEY GUTTER.
- PRIOR TO CONSTRUCTION OF NEW VALLEY GUTTER ON EXISTING ACCEPTED STREETS, PAVEMENT SHALL BE REMOVED AS SHOWN ON PLANS.
- MEASUREMENT FOR QUANTITY OF VALLEY GUTTER CONSISTS OF LENGTH FROM A TO A (ALONG MAIN FLOW LINE) AND LENGTH A (CURB RETURN) TO C (FLOWLINE INTERSECTION) ON BOTH SIDES OF STREET.

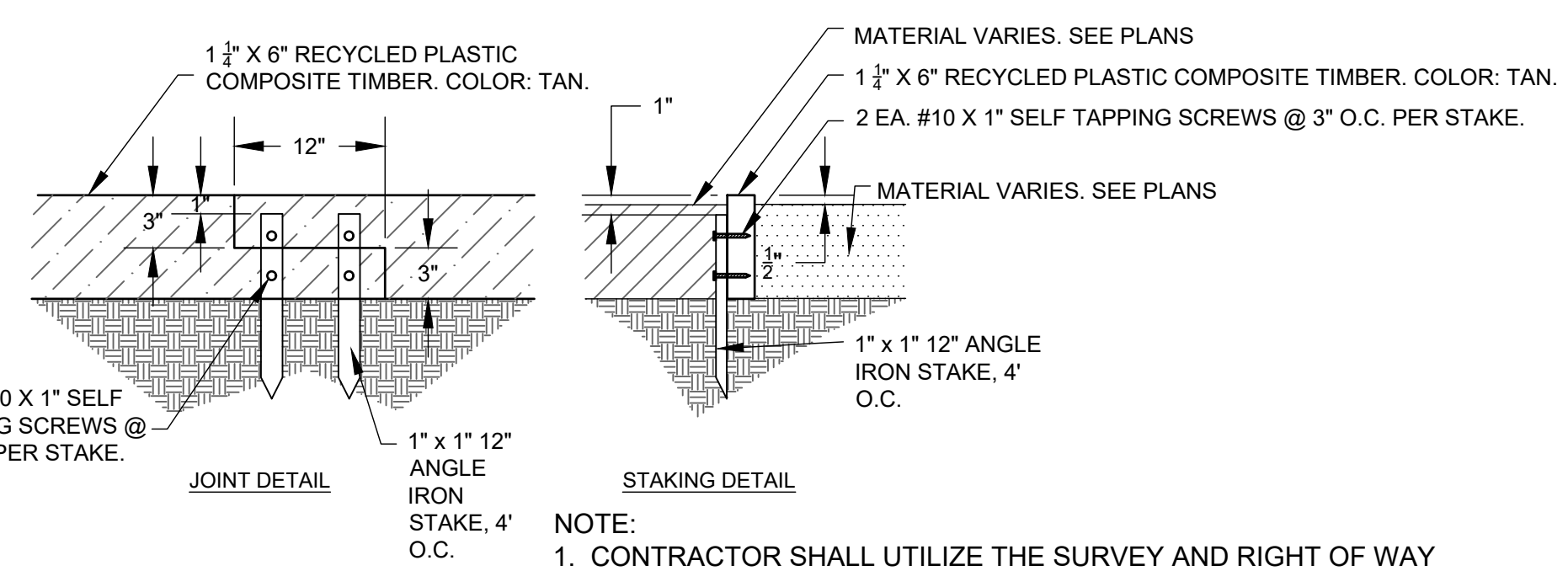
CONSTRUCTION NOTES:

- END OF CURB RETURN, SEE NOTE 1.
- NOT USED.
- INTERSECTION OF FLOWLINES, SEE NOTE 1.
- SURFACE AND CURB TO BE MONOLITHIC.
- DIRECTION OF FLOW.
- FLOWLINE.
- PROJECTED FLOWLINE OF 1/2" INVERT, SEE NOTE 2.
- 6" X 6" NO. 6 GA. WIRE MESH.
- BEGIN CROWN WARP TO NO CROWN SECTION AS PER PLANS OR INDICATED BY THE ENGINEER.
- NO. 4 BARS 3'-0" LONG AT 16" O.C.
- ALTERNATE A, WITH FILLET AS PER PLANS.
- ALTERNATE B, NO FILLET AS PER PLANS.
- THE 1/2" INVERT DEPTH MAY BE REDUCED TO IMPROVE RIDEABILITY WITH APPROVAL OF ENGINEER.

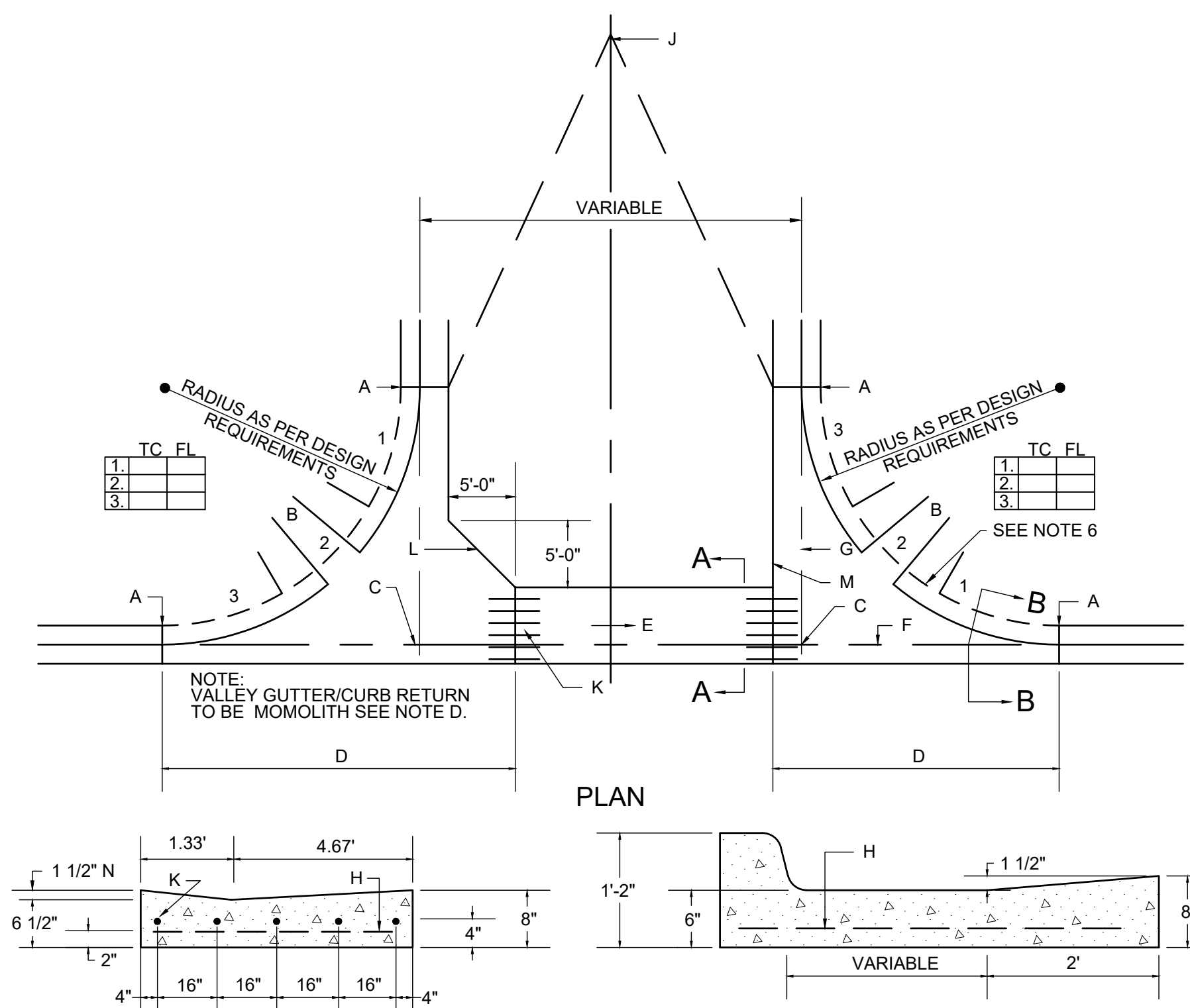


- NOTE:**
- SEE 3-1 THRU 3-3 FOR EROSION CONTROL ROCK LIMITS.
 - EROSION CONTROL ROCK - WORK INCLUDED IN PAYMENT: EXCAVATION, BACKFILL, SUBGRADE PREP, GEOTEXTILE, 3/4" ROCK & EDGER AND STAKE. ALL LABOR, MATERIALS, EXPENSES & OPERATIONS TO COMPLETE THE ITEM IN PLACE PER CONSTRUCTION PLANS & SPECIFICATIONS.

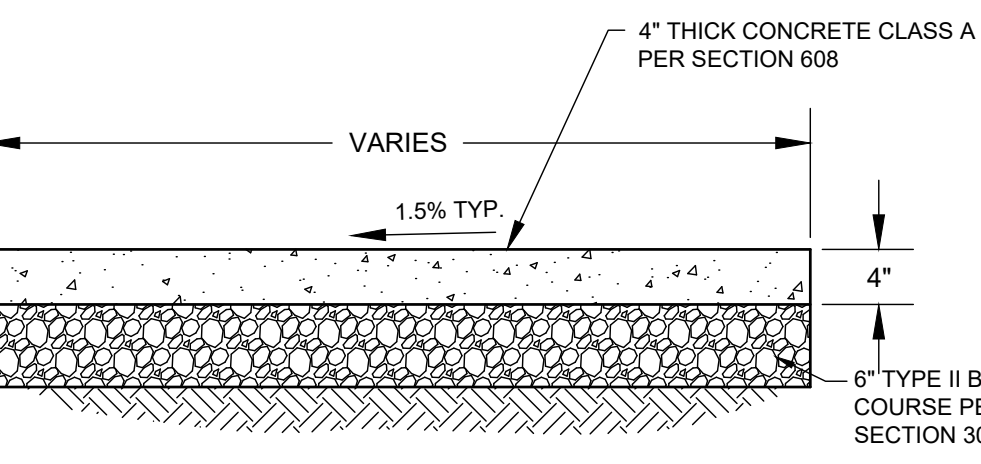
F6 3/4" EROSION CONTROL ROCK DETAIL; RIGHT OF CENTERLINE
NTS



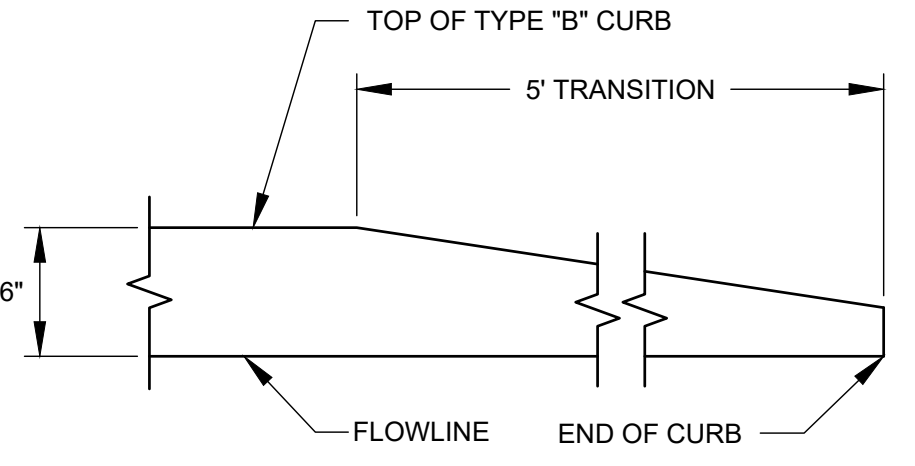
E6 EDGER @ ROW
1" = 1"



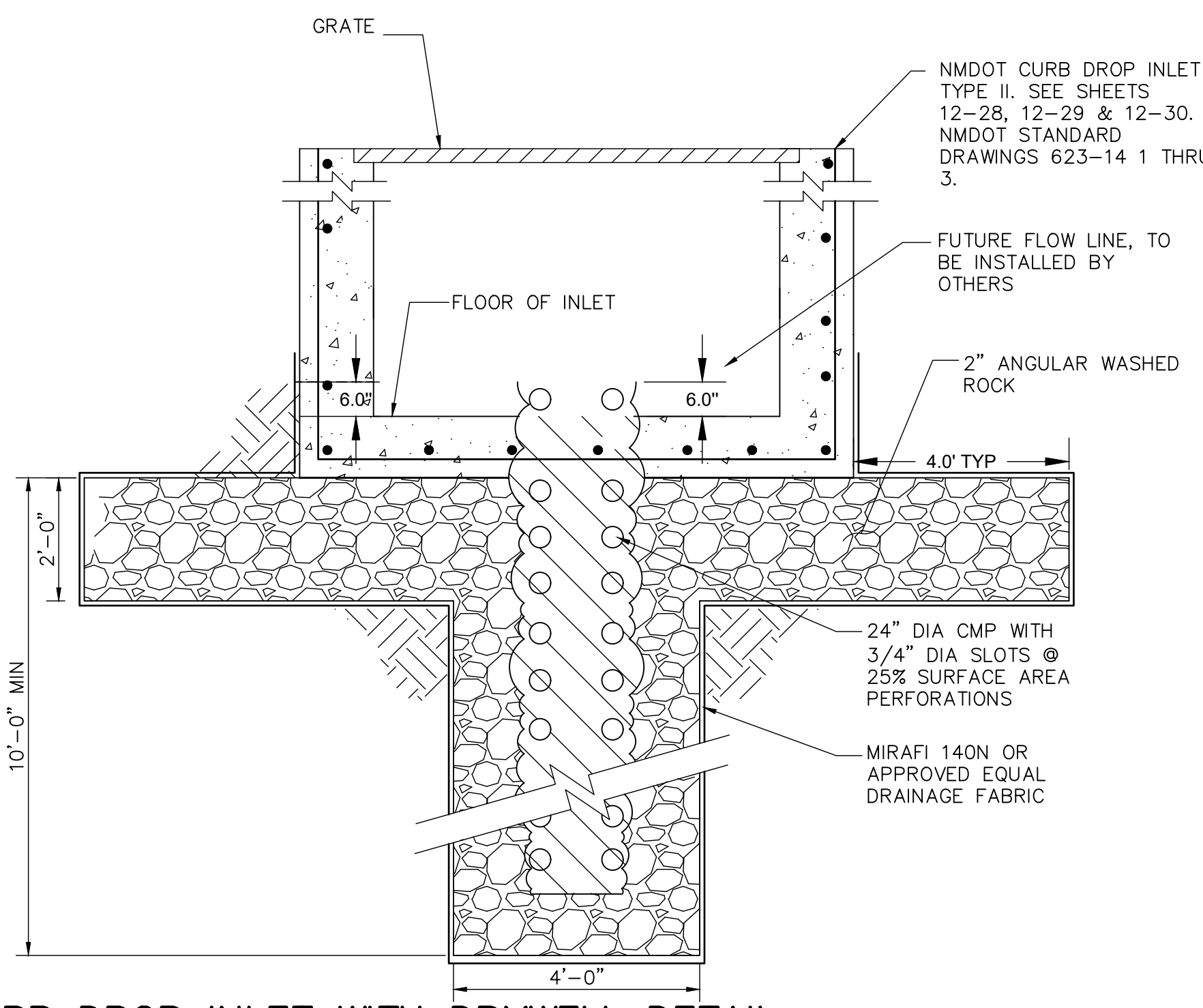
D1 CONCRETE VALLEY GUTTER
NTS



A1 4" PCC SIDEWALK DETAIL
NTS



A4 TYPE "B" CURB TO NO CURB TRANSITION
NTS



A7 CURB DROP INLET WITH DRYWELL DETAIL
NTS

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PROJECT NAME
**ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO**

REV.	DATE	DESCRIPTION	BY

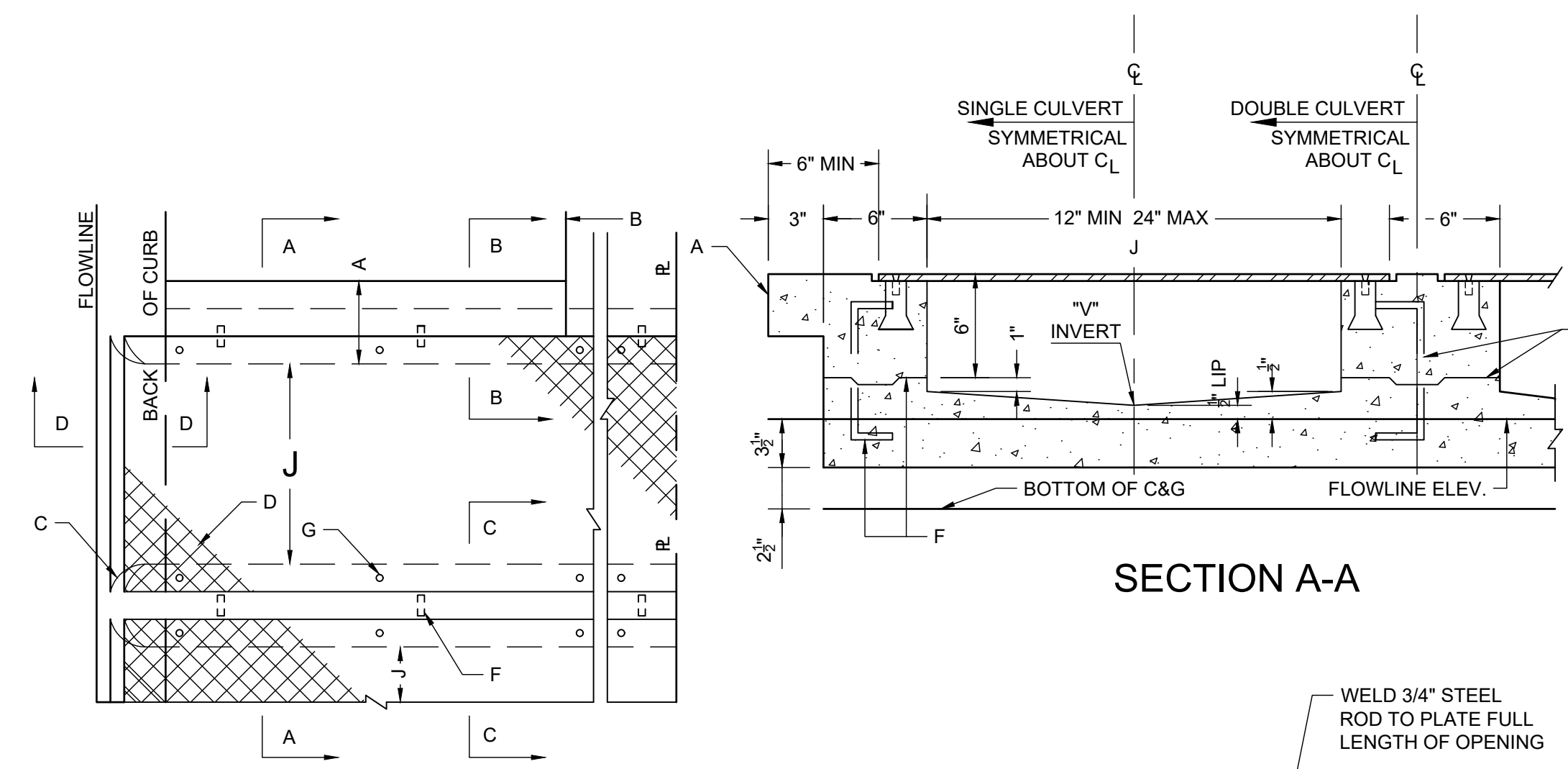
PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
CHECKED BY: ...
DATE: JULY 2020

SHEET TITLE
**MISCELLANEOUS
DETAILS**

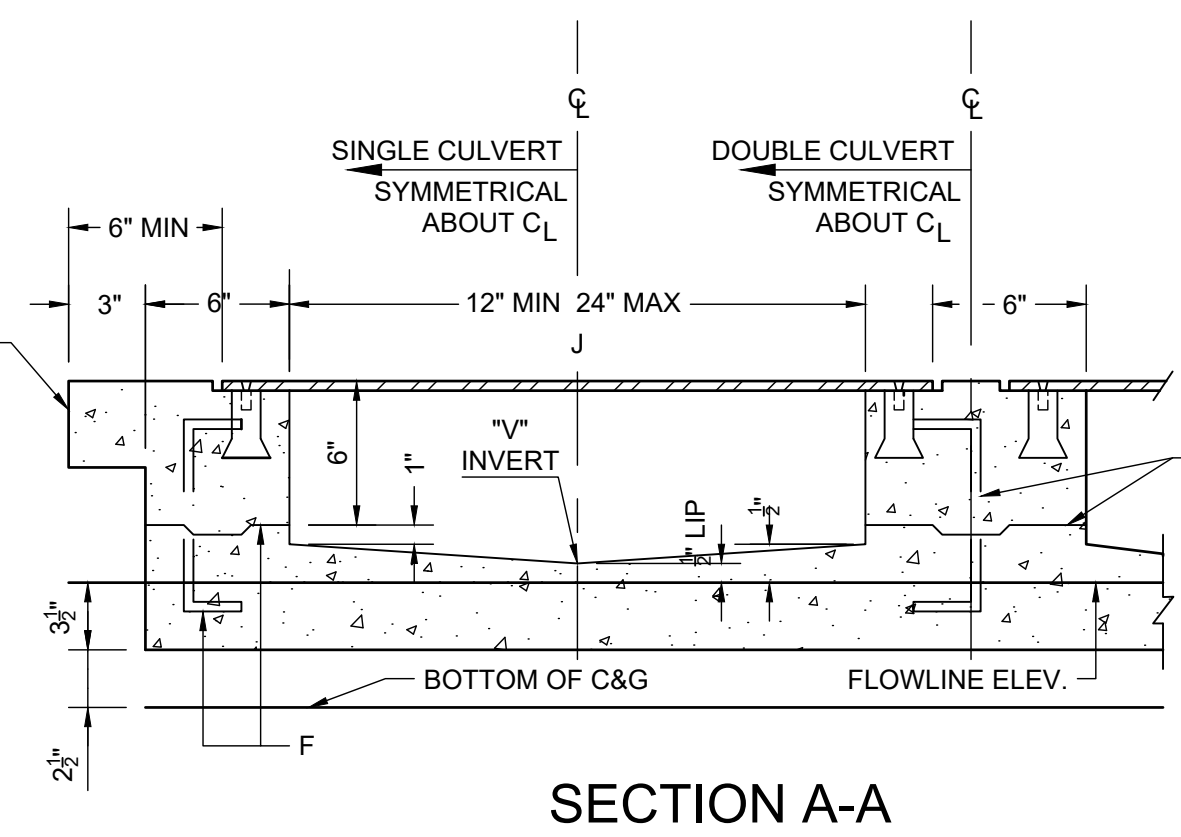
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2-6

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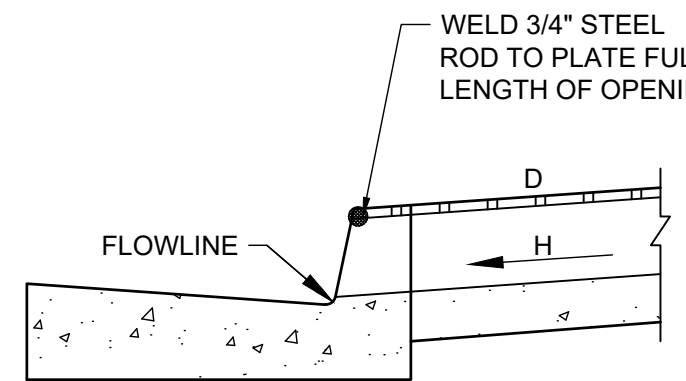
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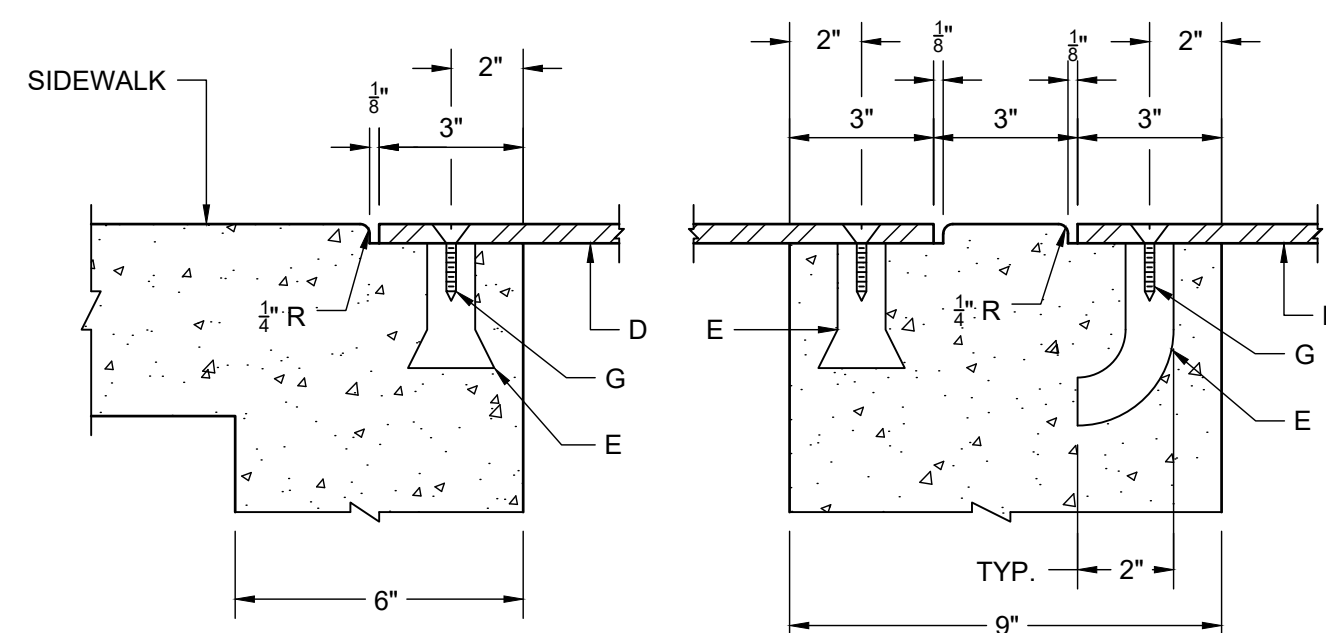
PLAN
SINGLE AND OR MULTIPLE CULVERT



SECTION A-A

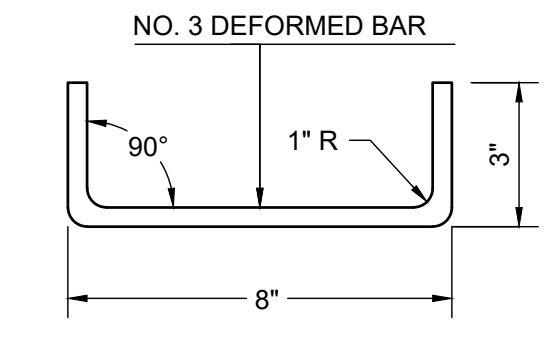


SECTION D-D



SECTION B-B

SECTION C-C



DOWEL DETAIL

GENERAL NOTES:

1. SIDEWALK CULVERT INSTALLATION IS TO BE INCLUSIVE OF PROPOSED DROP INLET 4'X4' TYPE II INSTALLATION.
2. PLACING OF DRAIN THRU PROPOSED SIDEWALK AND CURB & GUTTER REQUIRES THAT ENTIRE SIDEWALK AND CURB & GUTTER BE CONSTRUCTED AS DETAILED HEREIN.
3. BOTTOM SLAB OF CULVERT SHALL BE POURED MONOLITHICALLY WITH NEW GUTTER.
4. THE INVERT SHALL BE TROWELED TO PRODUCE A HARD POLISHED SURFACE OF MAX DENSITY AND SMOOTHNESS. INVERT SHALL BE V-SHAPED TO WITHIN 3" OF OUTLET, THEN WARPED TO PARALLEL FLOWLINE AT OUTLET, UNLESS OTHERWISE SHOWN.
5. ALL EXPOSED CONC SURFACE SHALL MATCH GRADE, COLOR, FINISH AND SCORING OF ADJACENT CURB AND SIDEWALK.
6. SIDEWALK REPLACED DURING CONSTRUCTION SHALL BE POURED MONOLITHICALLY WITH CULVERT WALLS.
7. IF ROD ANCHORS ARE USED, DRILL & TAP FOR FH MACHINE SCREW. ATTACH ANCHORS TO PLATE AND SECURE PLATE IN PLACE PRIOR TO POURING OF WALLS.
8. LENGTH OF EACH PLATE SHALL BE SUCH THAT THE WEIGHT WILL NOT EXCEED 300 LBS AND SHALL BE STRESS RELIEVED AFTER FABRICATION. CLEAN SURFACE OF PLATE AND FRAMING MEMBERS AND PAINT W/ ONE SHOP COAT RED OXIDE AND TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
9. THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIDEWALK CULVERT INSTALLED BY OR FRO PRIVATE PROPERTY OWNERS.

CONSTRUCTION NOTES:

- A. MATCH NEAREST CONTROL JOINT, INSTALL 1/2" EXPANSION JOINT.
- B. EDGE OF SIDEWALK OR SETBACK (VARIABLE).
- C. 3" RADIUS (TYPICAL).
- D. 3/8" CHECKERED STEEL PLATE (PAINT PER NOTE 7, ABOVE). FOR SECURING PLATE USE 1" X 5" SS ROD ANCHOR, "RED HEAD MULTI-SET II SRM-38 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX 24" OC, A MINIMUM OF 2 PER SIDE AND ONE WITHIN 6" OF EACH END.
- F. CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE DOWELS AT 18" OC MAX, 1/2" MINIMUM FROM FACE OF CONCRETE.
- G. 3/8" - 16 X 1 1/2" COUNTERSINK, FH STAINLESS STEEL, MACHINE SCREW.
- H. SLOPE 1/2" PER FT MIN
- J. DRAIN WIDTH PER PLAN (12" MIN, 24" MAX).

A1 SIDEWALK CULVERT DETAIL
NTS

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CONSTRUCTION

PROJECT NAME

**ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO**

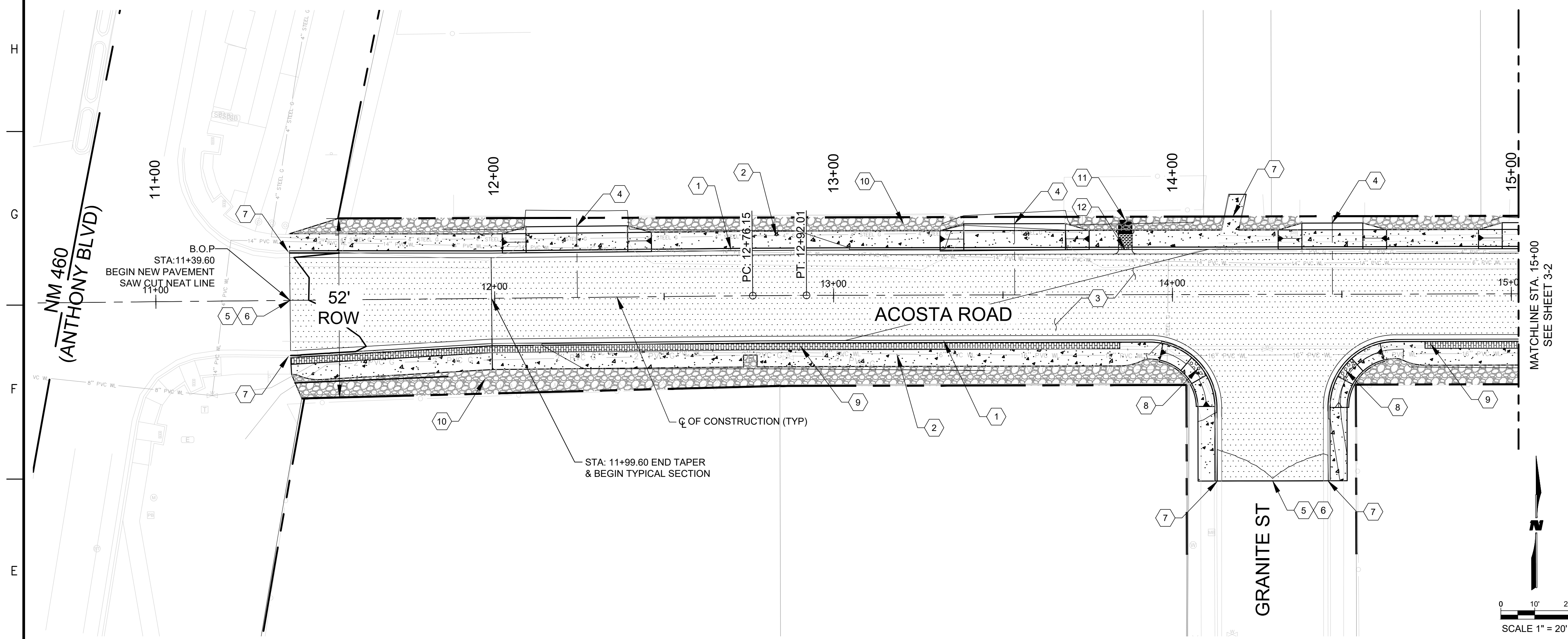
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
CHECKED BY: ...
DATE: JULY 2020

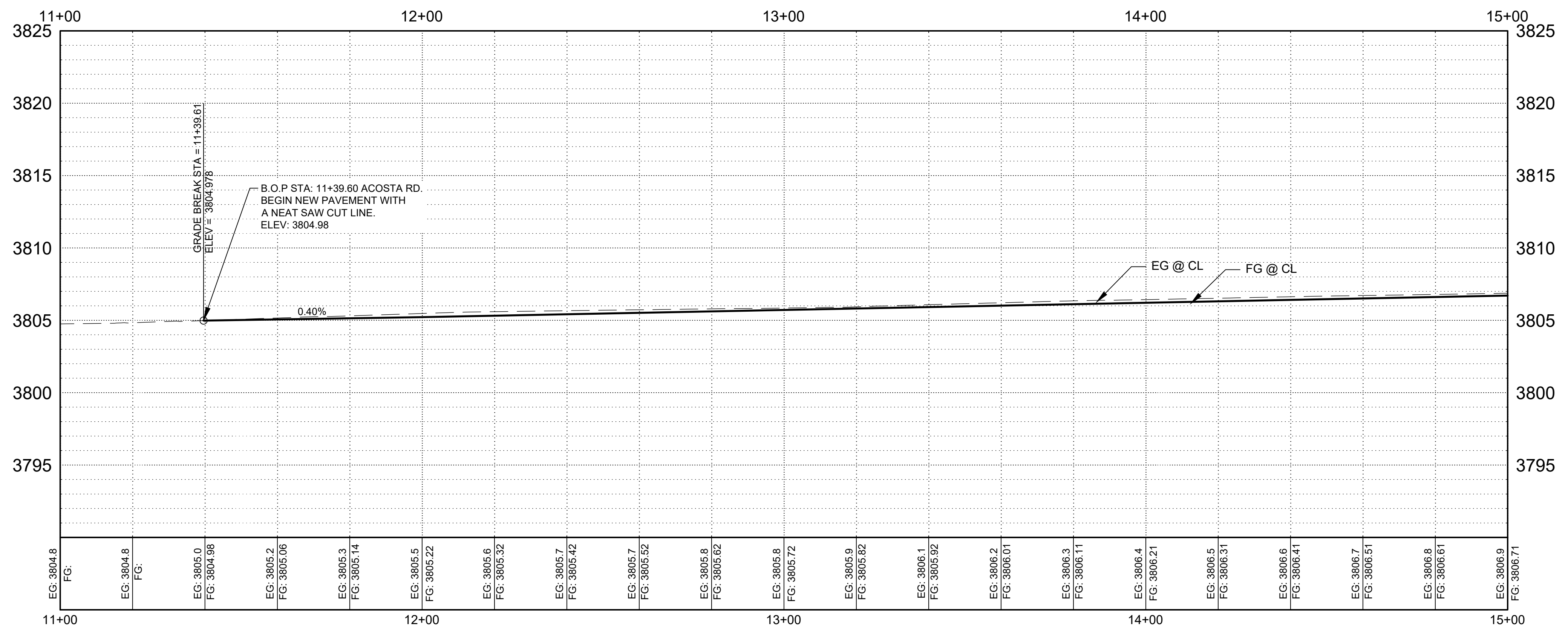
SHEET TITLE
**MISCELLANEOUS
DETAILS**

SHEET NO:
2-7

ACOSTA RD PLAN B.O.P. STA: 11+39.60 to 15+00
 HORIZONTAL SCALE: 1" = 20'



ACOSTA RD PROFILE B.O.P. STA: 11+39.60 to 15+00
 VERTICAL SCALE: 1" = 5'



GENERAL NOTES

- ALL STATIONING REFERS TO THE CENTERLINE OF ACOSTA ROAD UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS ARE FLOWLINE ELEVATIONS UNLESS OTHERWISE NOTED.
- ALL DRIVEPAD STATIONING IS CENTER OF DRIVEPAD.
- CONTRACTOR TO ADJUST ALL EXISTING VALVE BOXES TO GRADE.
- CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING CURB & GUTTER, SIDEWALK, DRIVEPADS, VALLEY GUTTER, AND POWER POLES. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE AND WILL REPLACE, IN-KIND, AT NO COST TO THE OWNER.
- SEE SECTION 11 FOR UTILITY LOCATION
- SEE INTERSECTION PLAN SHEET 3-4.

KEYNOTES

- CONSTRUCT 2'-0" TYPE "B" CURB & GUTTER PER DETAIL SHEET 12-23.
- CONSTRUCT 5' SIDEWALK PER DETAIL SHEETS 2-7 & 12-23.
- PLACE (1) - 3 1/2" THICK HMA LIFTS. SEE TYPICAL SECTIONS SHEET 2-2.
- CONSTRUCT TYPE 3A DRIVEPAD APRON PER DETAIL SHEET 12-19.
- SAW CUT NEAT LINE.
- MATCH EXISTING ELEVATION.
- REMOVE EXISTING CONCRETE TO NEAREST EXPANSION JOINT. CONNECT TO EXISTING CURB, GUTTER, AND SIDEWALK. MATCH EXISTING ELEVATION.
- CONSTRUCT ADA RAMP PER DETAIL SHEET 12-14 WITH DETECTABLE WARNING SURFACE.
- BUILD 4" THICK CONCRETE MEDIAN PAVEMENT, COLOR & PATTERNED, PER TYPICAL SECTION 2-2.
- CONSTRUCT 3/4" DIAMETER EROSION CONTROL ROCK PER DETAIL F6 ON SHEET 2-6.
- CONSTRUCT CURB DROP INLET WITH DRYWELL PER DETAIL A7 IN SHEET 2-6.
- CONSTRUCT SIDEWALK CULVERT PER DETAIL A1 IN SHEET 2-7.

LEGEND

- HMA
- SIDEWALK
- SWALE
- RIGHT OF WAY

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CONSULTANTS

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PROJECT NAME
**ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO**

REV.	DATE	DESCRIPTION	BY

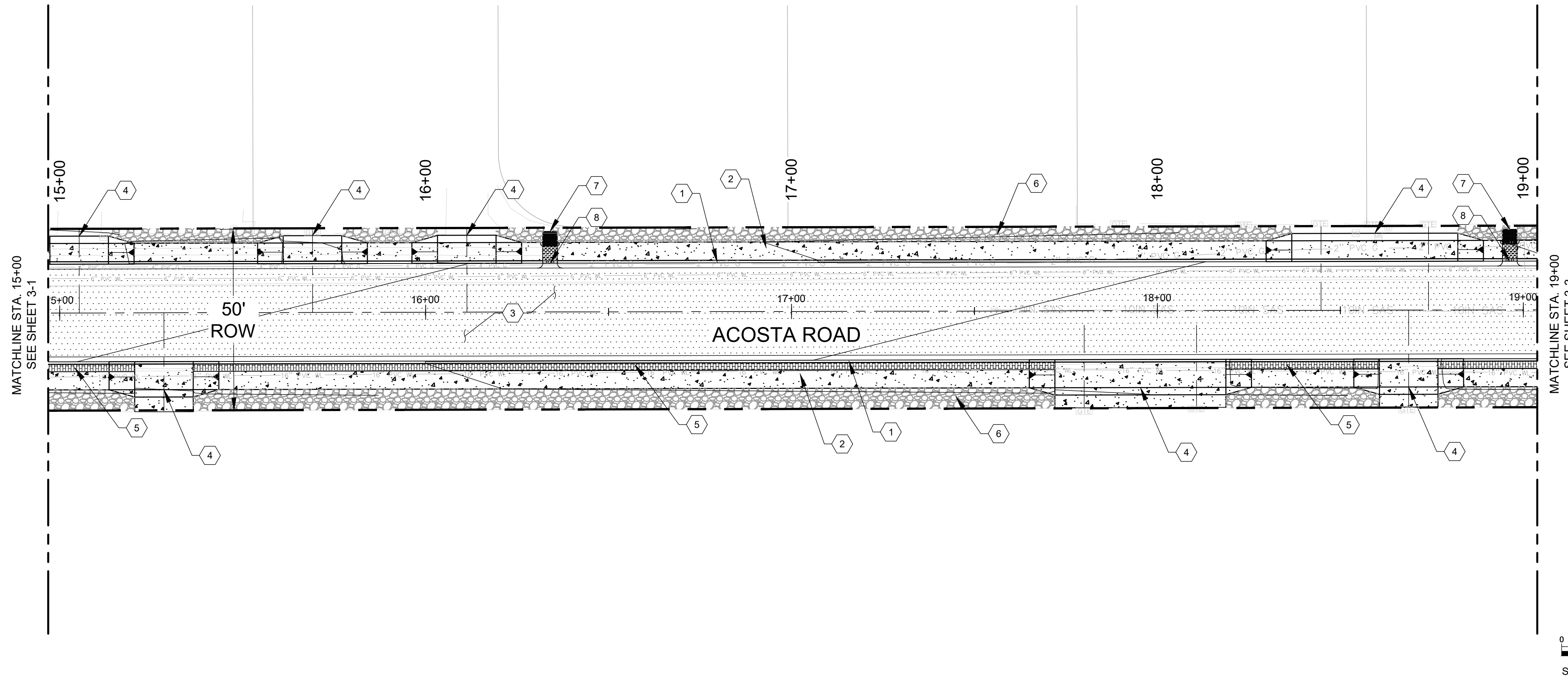
PROJECT NO:	20-600-047-00
DESIGNED BY:	ESH/GAV
DRAWN BY:	GO
CHECKED BY:	---
DATE:	JULY 2020

SHEET TITLE
**ROADWAY PLAN &
 PROFILE**

SHEET NO:
3-1

\\WILSONCO.COM\DRIVE\MSD20-600-047-002_DISCIPLINES\SHEETS\2_SHEETS - CIVIL\206047_PH2_ROAD_PNP.DWG 7/6/2020 9:17 AM

ACOSTA RD PLAN STA: 15+00 to 19+00
HORIZONTAL SCALE: 1" = 20'



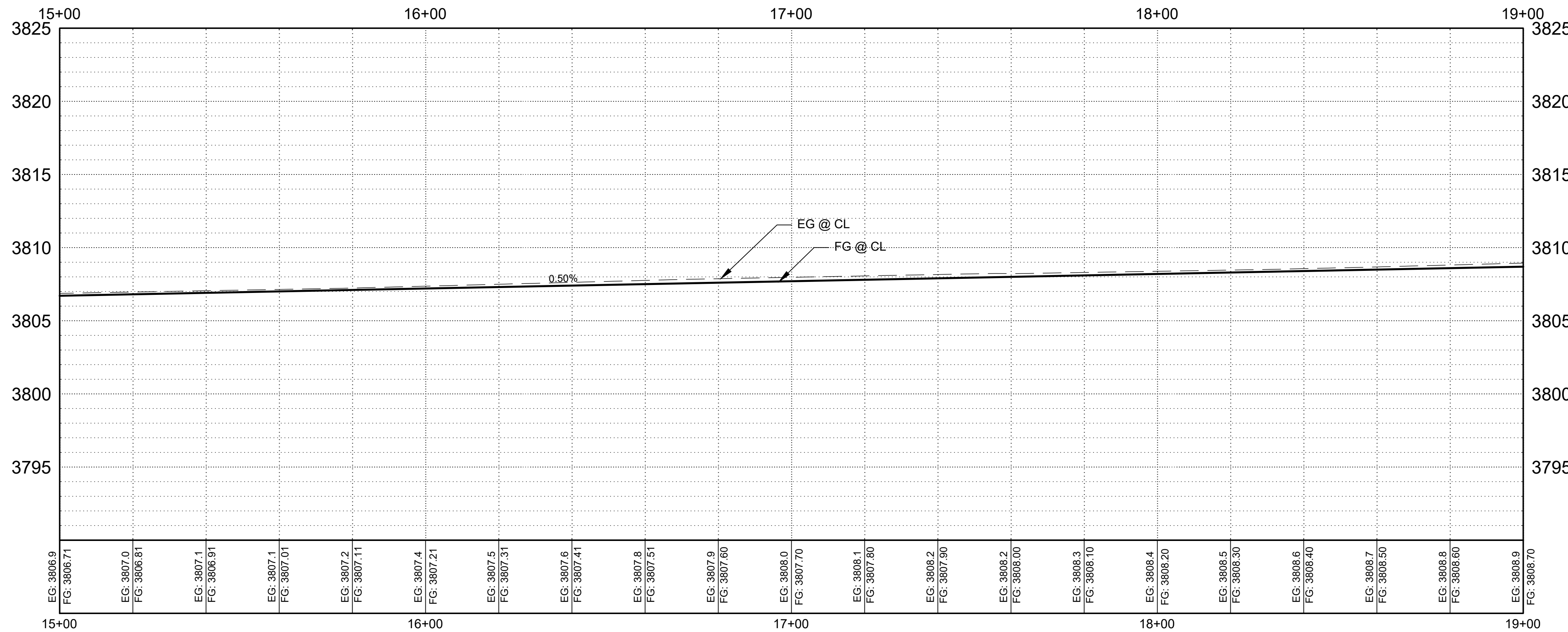
GENERAL NOTES

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2. ALL ELEVATIONS ARE FLOWLINE ELEVATIONS UNLESS OTHERWISE NOTED.
3. ALL DRIVEPAD STATIONING IS CENTER OF DRIVEPAD.
4. CONTRACTOR TO ADJUST ALL EXISTING VALVE BOXES TO GRADE.
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6. SEE SECTION 11 FOR UTILITY LOCATION

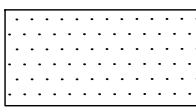


KEYNOTES

1. CONSTRUCT 2'-0" TYPE "B" CURB & GUTTER PER DETAIL SHEET 12-23.
2. CONSTRUCT 5' SIDEWALK PER DETAIL SHEETS 2-7 & 12-23.
3. PLACE (1) - 3 1/2" THICK HMA LIFTS. SEE TYPICAL SECTIONS SHEET 2-2.
4. CONSTRUCT TYPE 3A DRIVEPAD APRON PER DETAIL SHEET 12-19.
5. BUILD 4" THICK CONCRETE MEDIAN PAVEMENT, COLORED & PATTERNED, PER TYPICAL SECTION 2-2.
6. INSTALL 3/4" DIAMETER EROSION CONTROL ROCK PER DETAIL F6 ON SHEET 2-6.

ACOSTA RD PROFILE STA: 15+00 to 19+00
VERTICAL SCALE: 1" = 5'



LEGEND

-  HMA
-  SIDEWALK
-  RIGHT OF WAY

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PROJECT NAME
**ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO**

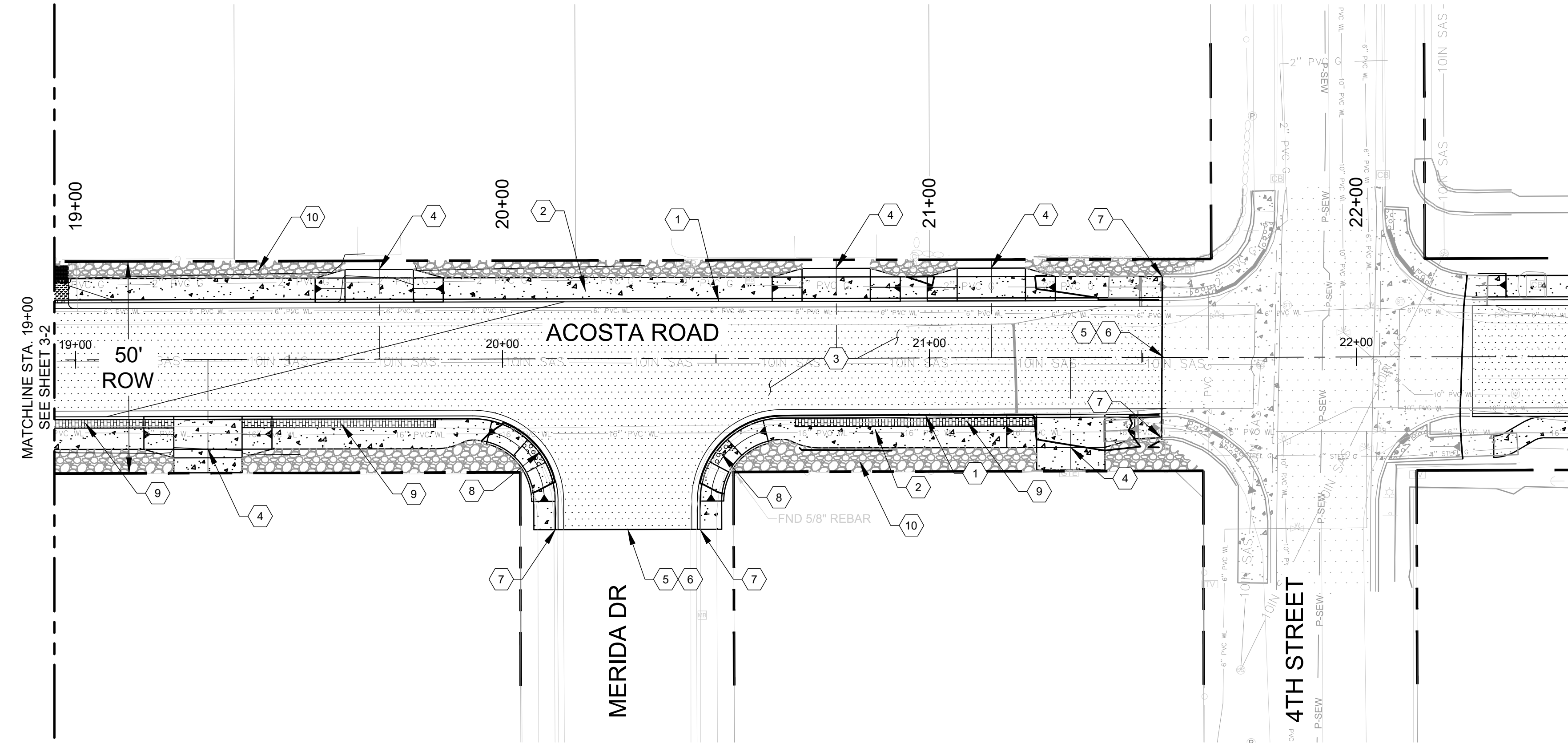
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
CHECKED BY: ---
DATE: JULY 2020

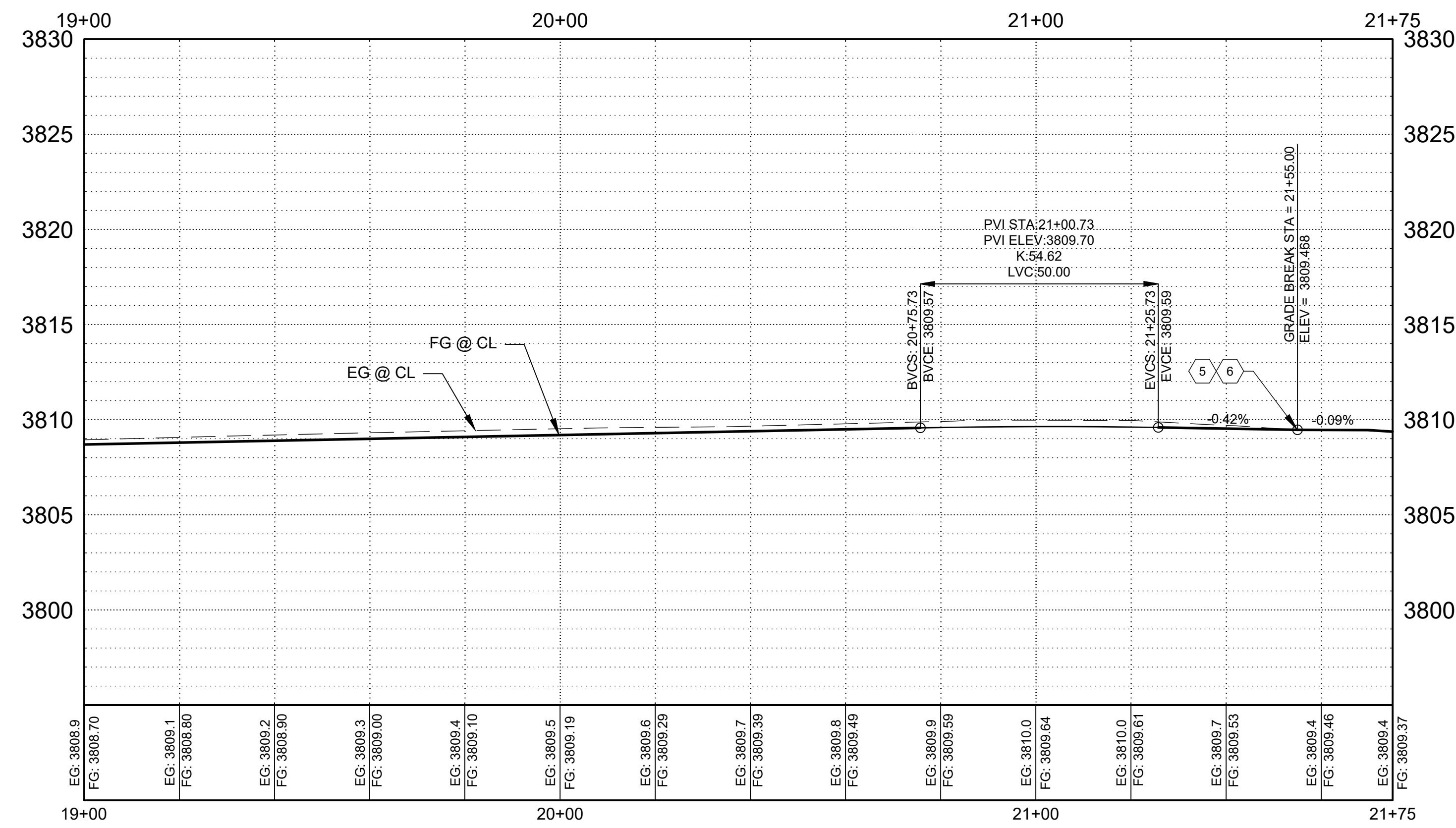
SHEET TITLE
**ROADWAY PLAN &
PROFILE**

SHEET NO:
3-2

ACOSTA RD PLAN STA: 19+00 to 21+55
HORIZONTAL SCALE: 1" = 20'



ACOSTA RD PROFILE STA: 19+00 to 21+55
VERTICAL SCALE: 1" = 5'



GENERAL NOTES

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6. SEE SECTION 11 FOR UTILITY LOCATION
7. SEE INTERSECTION PLAN SHEET 3-4.

KEYNOTES

1. CONSTRUCT 2'-0" TYPE "B" CURB & GUTTER PER DETAIL SHEET 12-23.
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3. PLACE (1) - 3 1/2" THICK HMA LIFTS. SEE TYPICAL SECTIONS SHEET 2-2.
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6. MATCH EXISTING ELEVATION.
7. REMOVE EXISTING CONCRETE TO NEAREST EXPANSION JOINT. CONNECT TO EXISTING CURB, GUTTER, AND SIDEWALK. MATCH EXISTING ELEVATION.
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9. BUILD 4" THICK CONCRETE MEDIAN PAVEMENT, COLORED & PATTERNED, PER TYPICAL SECTION 2-2.
10. INSTALL 3/4" DIAMETER EROSION CONTROL ROCK PER DETAIL F6 ON SHEET 2-6.

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PROJECT NAME
**ACOSTA RECONSTRUCTION
PHASE 2
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REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
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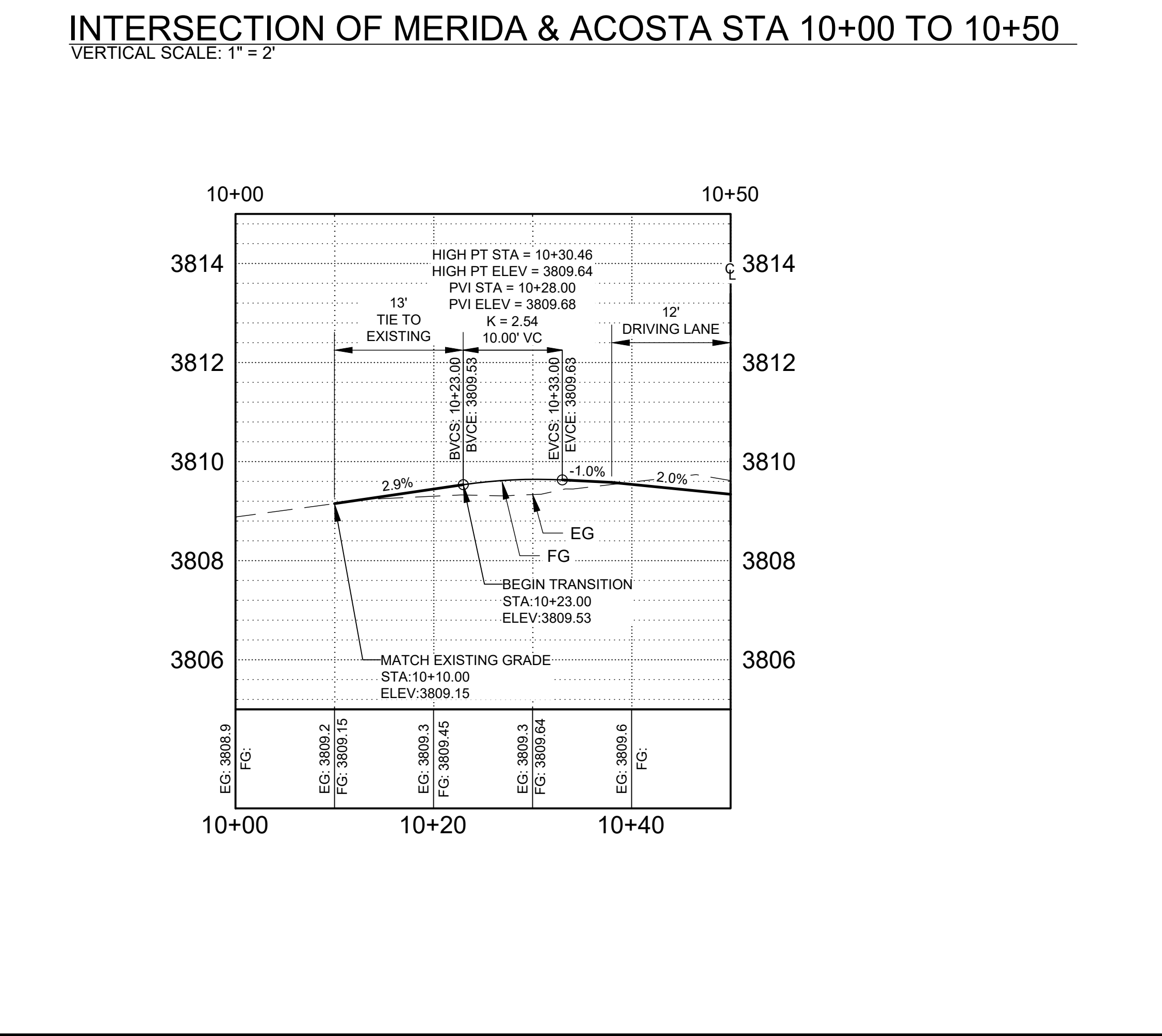
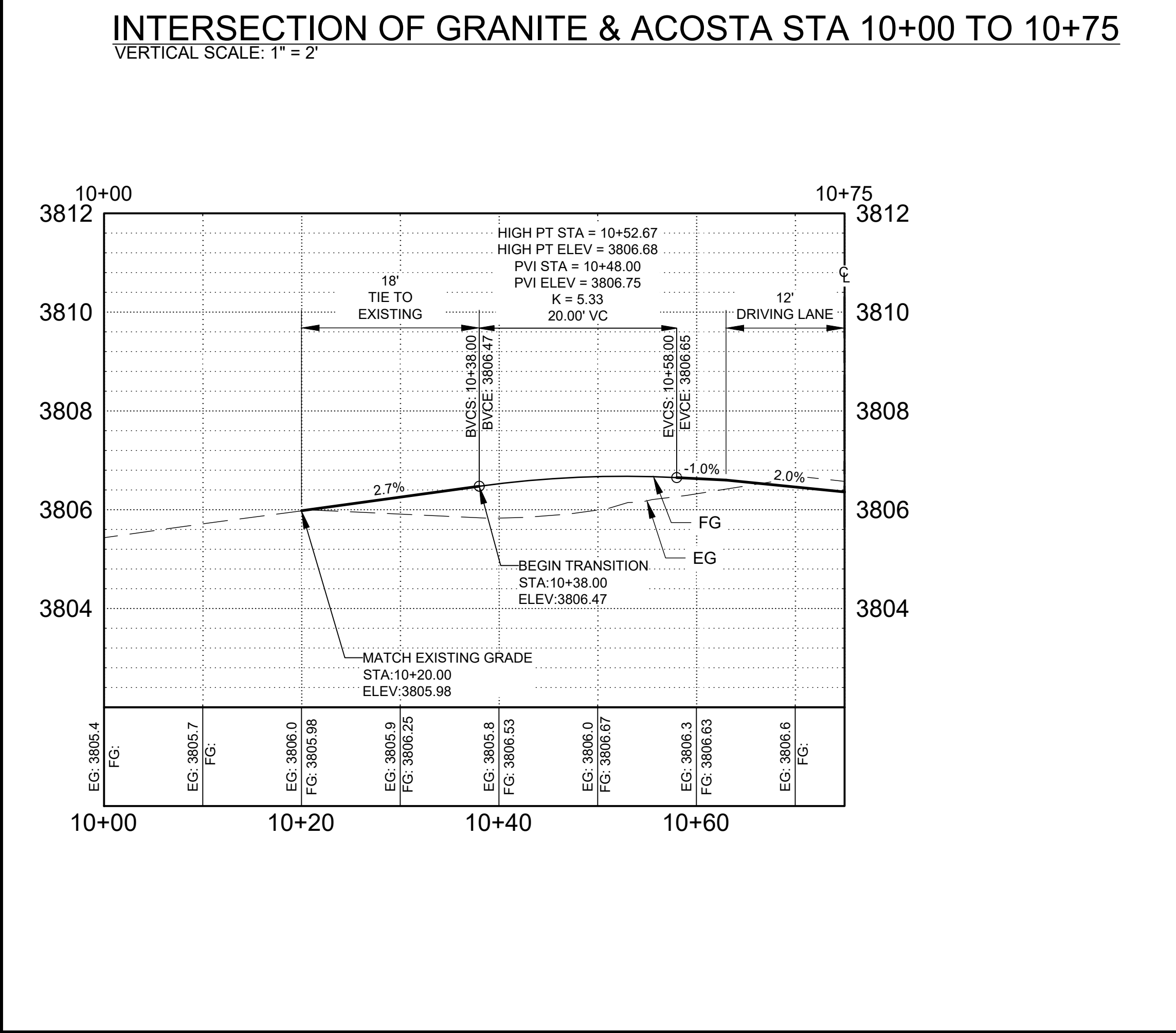
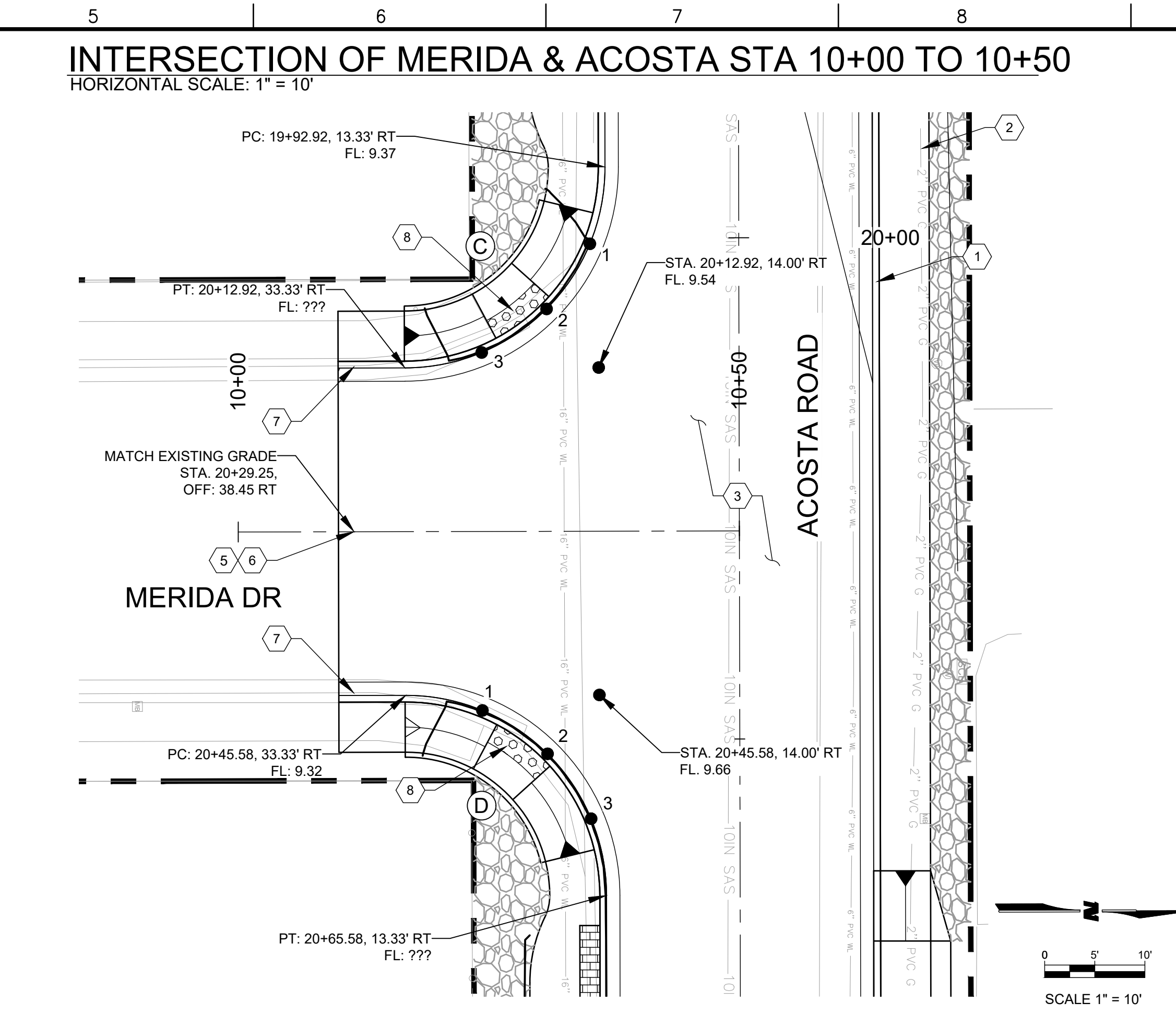
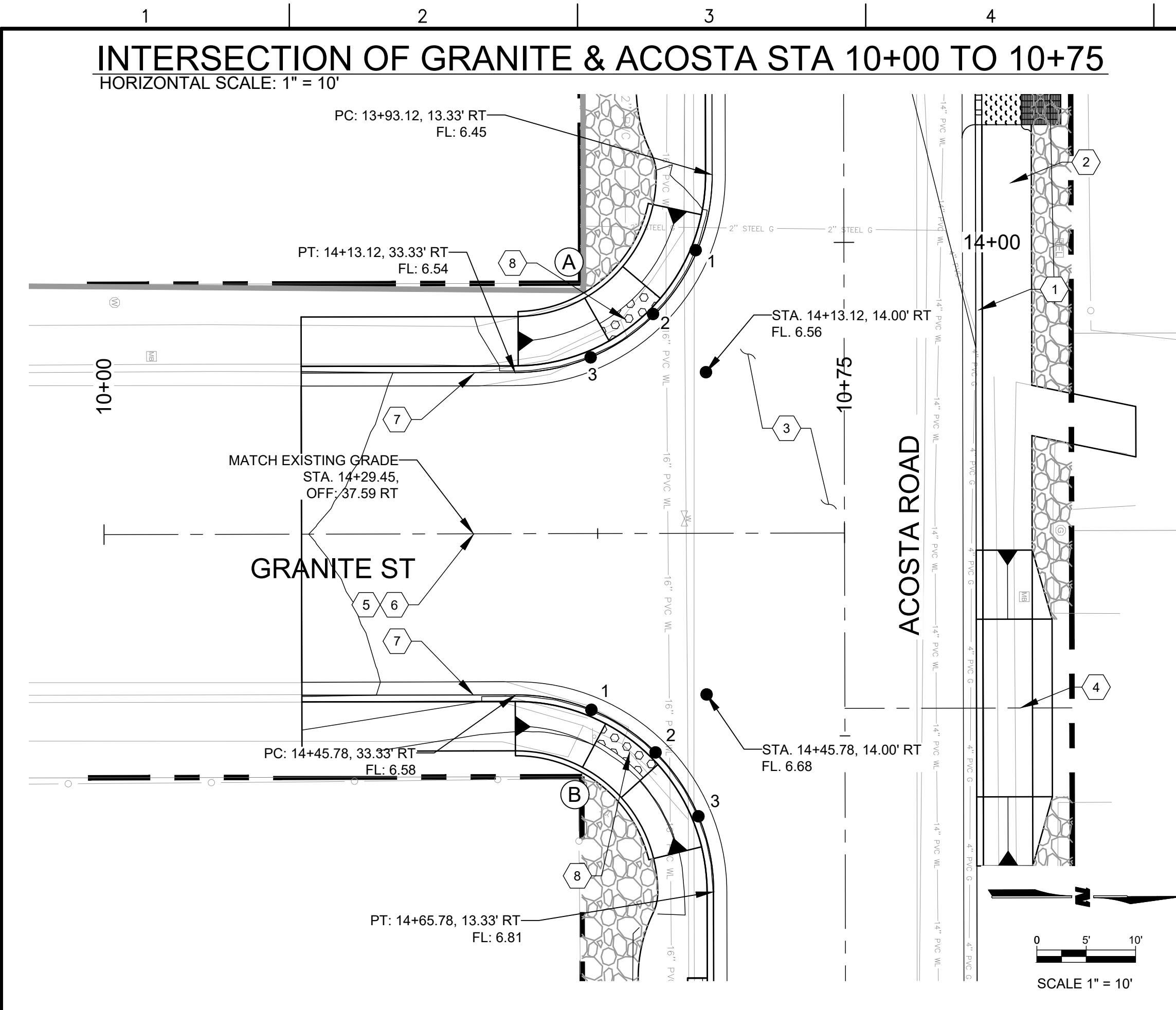
LEGEND

- HMA
- SIDEWALK
- RIGHT OF WAY

SHEET TITLE
**ROADWAY PLAN &
PROFILE**

SHEET NO:
3-3

\\WILSONCO.COM\DRIVE\MSD20-600-047-002_DISCIPLINES\2_SHEETS\2_SHEETS\CIVIL\206047_PH2_INTERSECS.DWG 6/30/2020 4:27 PM



- ### GENERAL NOTES
- ALL STATIONING REFERS TO ACOSTA ROAD CENTERLINE OF ROADWAY & GUTTER UNLESS OTHERWISE NOTED.
 - ALL ELEVATIONS ARE FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO ADJUST ALL EXISTING VALVE BOXES TO GRADE.
- ### KEYNOTES
- CONSTRUCT 2'-0" TYPE "B" CURB & GUTTER PER DETAIL SHEET 12-23.
 - CONSTRUCT 5' SIDEWALK PER DETAIL SHEETS 2-7 & 12-23.
 - PLACE (1) - 3 1/2" THICK HMA LIFTS. SEE TYPICAL SECTIONS SHEET 2-2.
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 - REMOVE EXISTING CONCRETE TO NEAREST EXPANSION JOINT. CONNECT TO EXISTING CURB, GUTTER, AND SIDEWALK. MATCH EXISTING ELEVATION.
 - CONSTRUCT ADA RAMP PER DETAIL SHEET 12-14 WITH DETECTABLE WARNING SURFACE.
- ### LEGEND
- RIGHT OF WAY

LEGEND

PT	FL ELEV	FL STATION	FL OFFSET
(A)			
1.	3806.56	14+00.77	14.85
2.	3806.68	14+07.26	19.19
3.	3806.71	14+11.60	25.68
Δ = 90° 0' 0"			
L = 31.42' R = 20.00'			
(B)			
1.	3806.73	14+47.30	25.68
2.	3806.77	14+51.64	19.19
3.	3806.79	14+58.13	14.85
Δ = 90° 0' 0"			
L = 31.42' R = 20.00'			
(C)			
1.	3809.51	20+00.57	14.85
2.	3809.64	20+07.06	19.19
3.	3809.65	20+11.39	25.68
Δ = 90° 0' 0"			
L = 31.42' R = 20.00'			
(D)			
1.	3809.66	20+47.10	25.68
2.	3809.74	20+51.43	19.19
3.	3809.74	20+57.92	14.85
Δ = 90° 0' 0"			
L = 31.42' R = 20.00'			

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CONSULTANTS

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CONSTRUCTION

SEAL

ACOSTA RECONSTRUCTION
PHASE 2

PROJECT NAME

ACOSTA RECONSTRUCTION
PHASE 2

BY

ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION

PROJECT NO:

20-600-047-00

DESIGNED BY:

ESH/GAV

DRAWN BY:

GO

CHECKED BY:

DATE:

JULY 2020

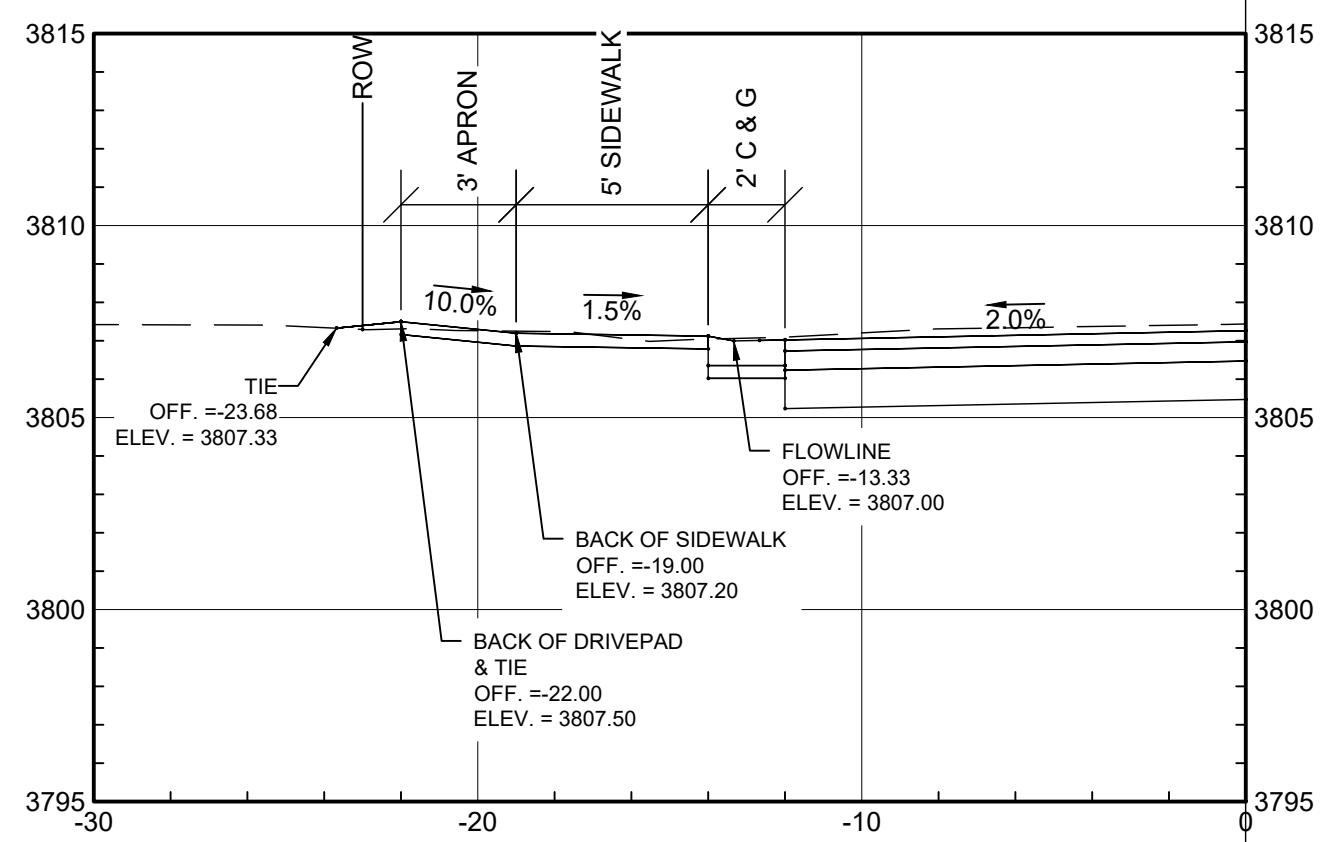
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GRANITE & MERIDA
INTERSECTION PLAN

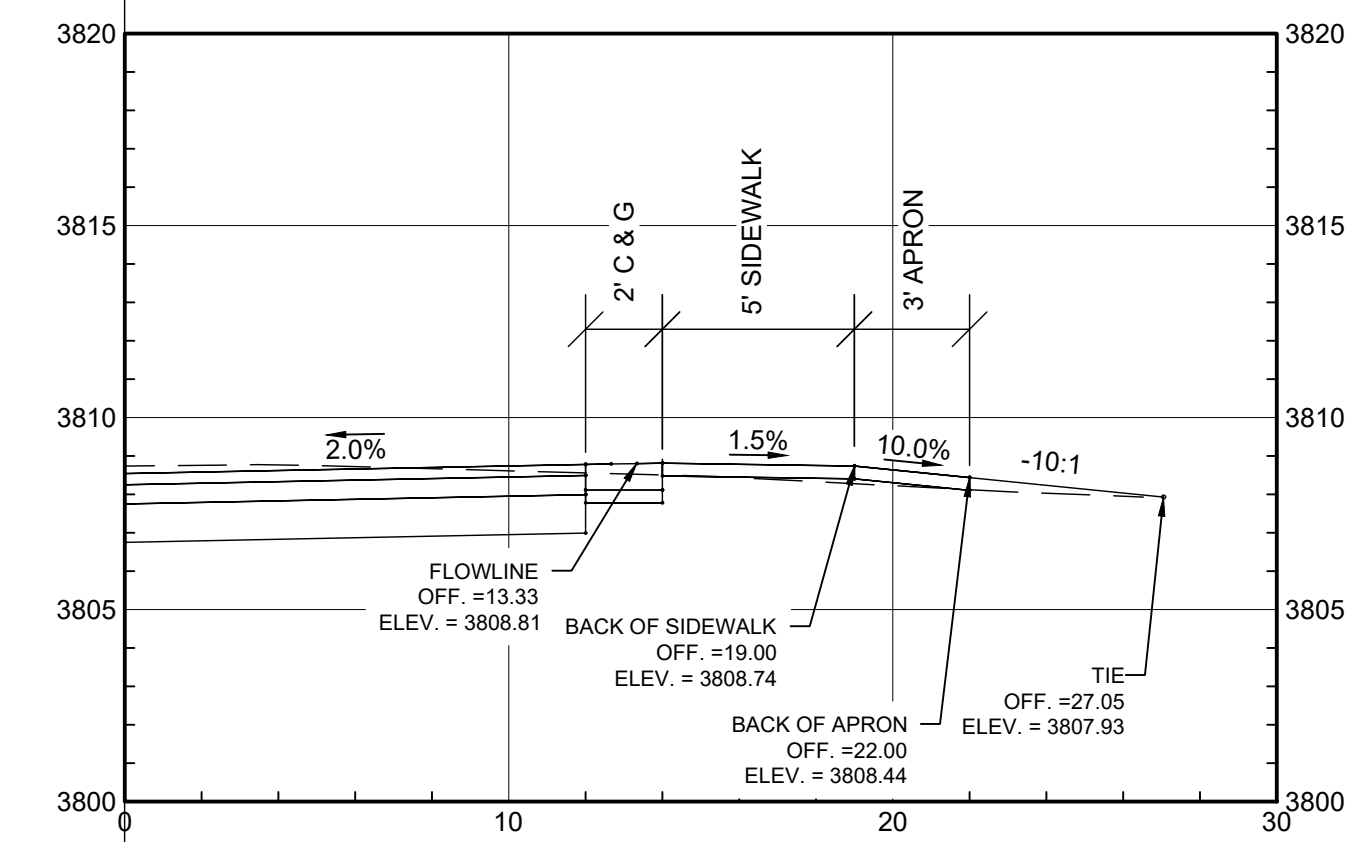
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3-4

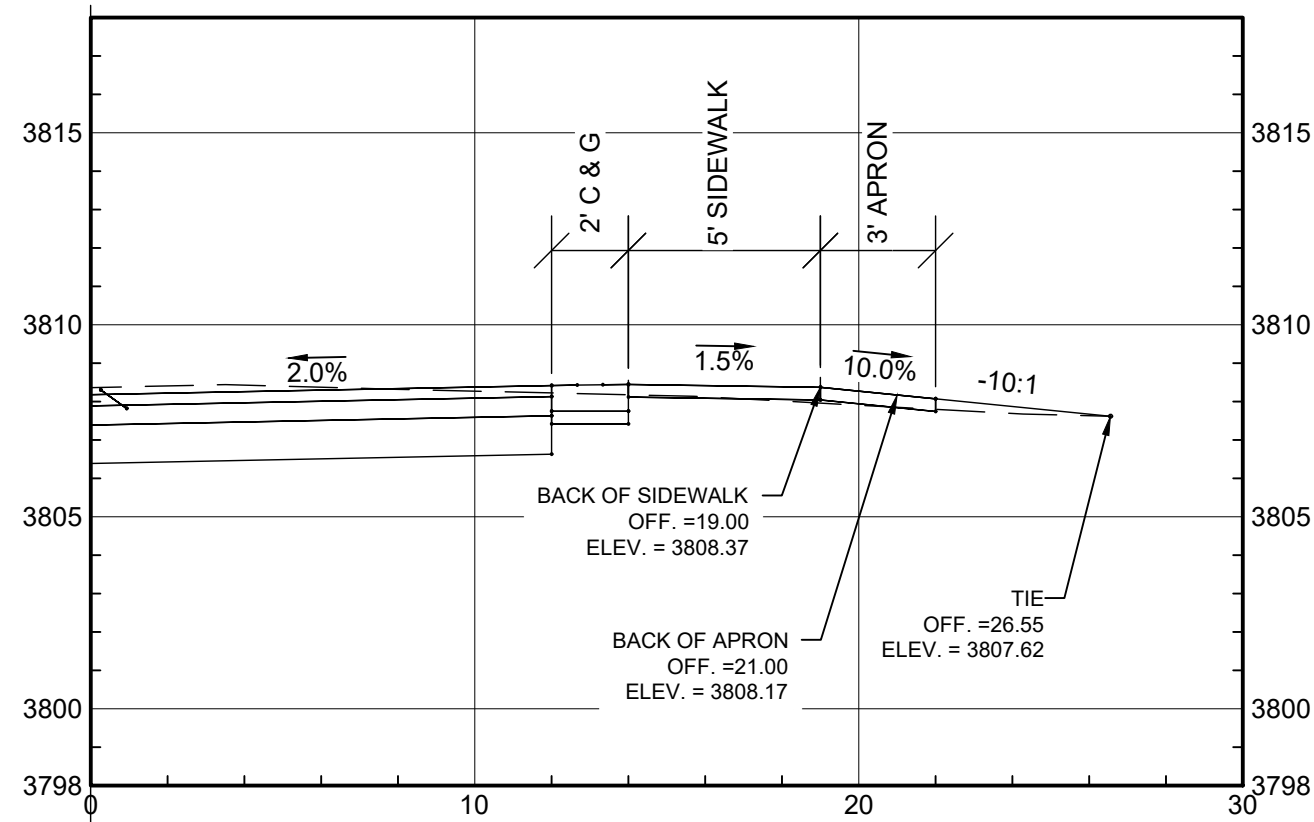
STA. 16+11.31, LT



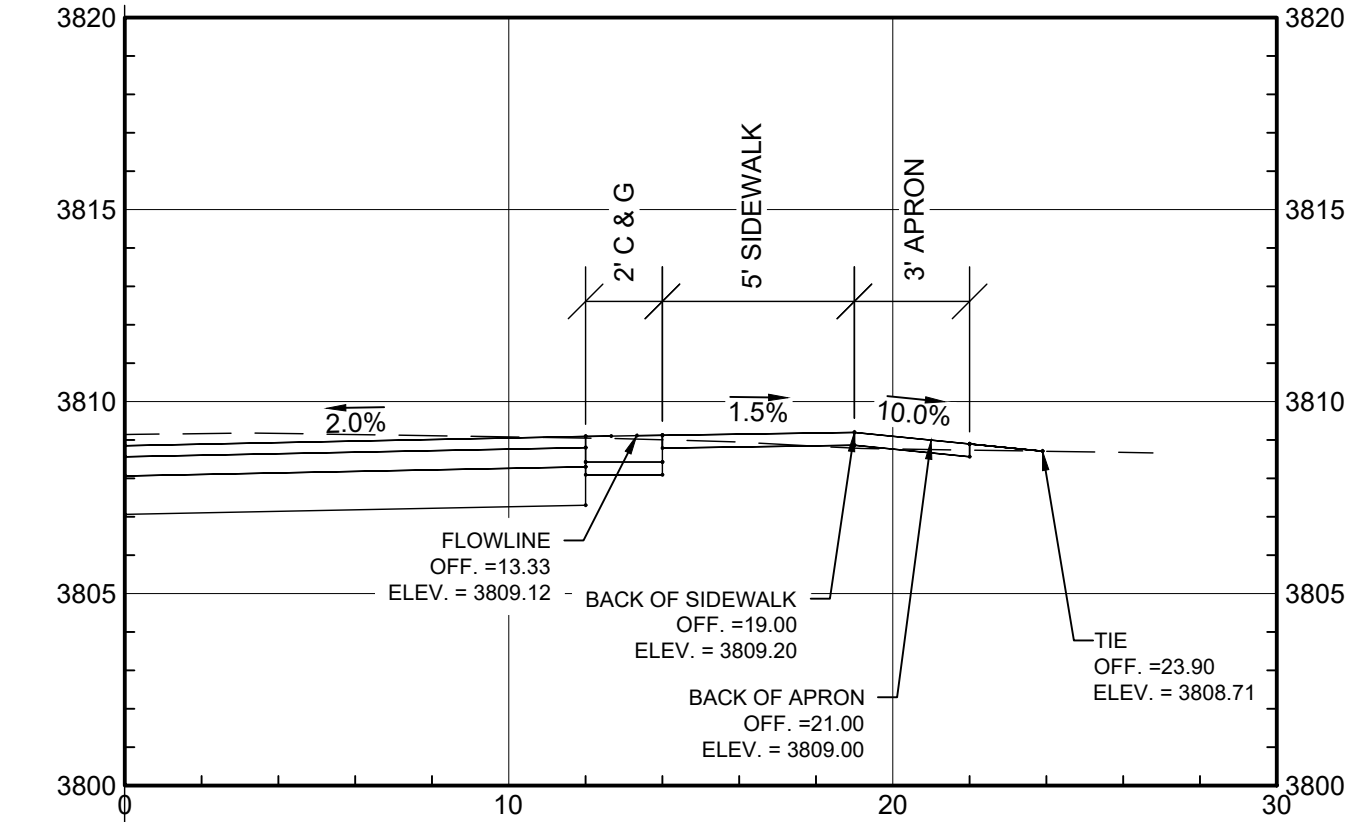
STA. 18+68.67, RT



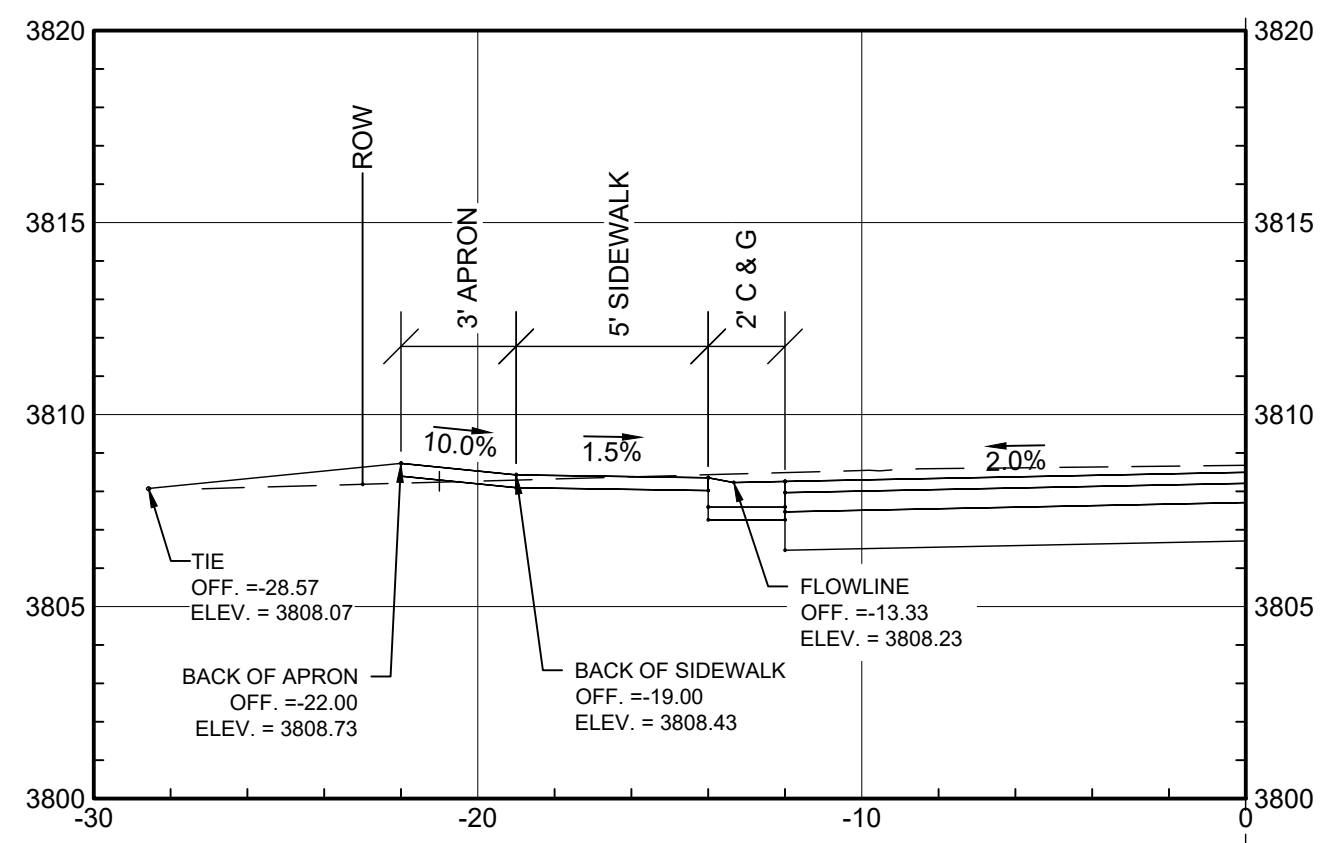
STA. 17+95.30, RT



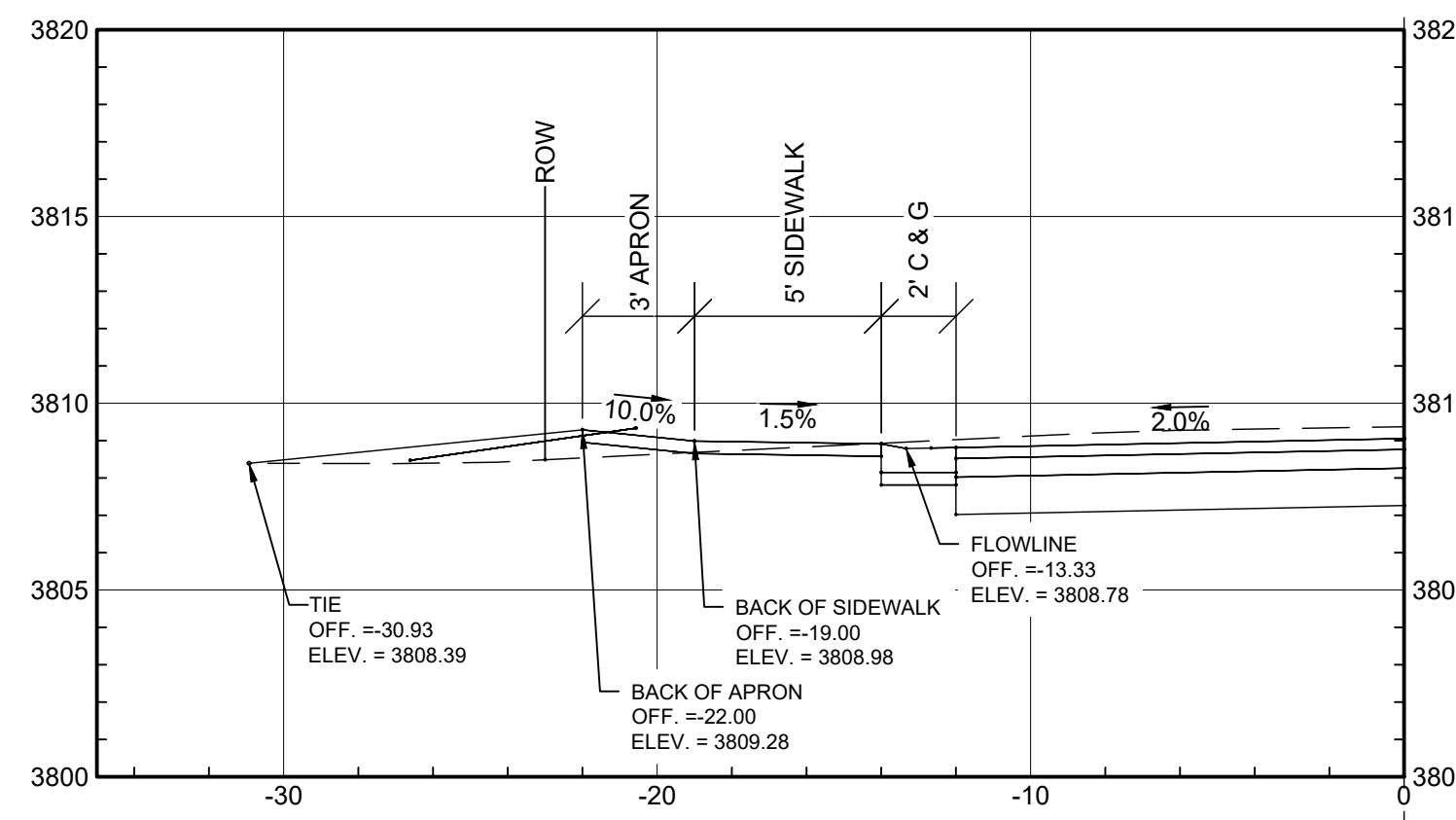
STA. 19+30.99, RT



STA. 18+59.46, LT



STA. 19+71.16, LT



WILSON & COMPANY
 414 N. MAIN STREET, SUITE A
 LAS CRUCES, NM 88001
 PHONE: 575-527-9257
 FAX: 575-527-9258
 www.wilsonco.com

CONSULTANTS

100%
 NOT FOR
 CONSTRUCTION

SEAL

PROJECT NAME

ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY:

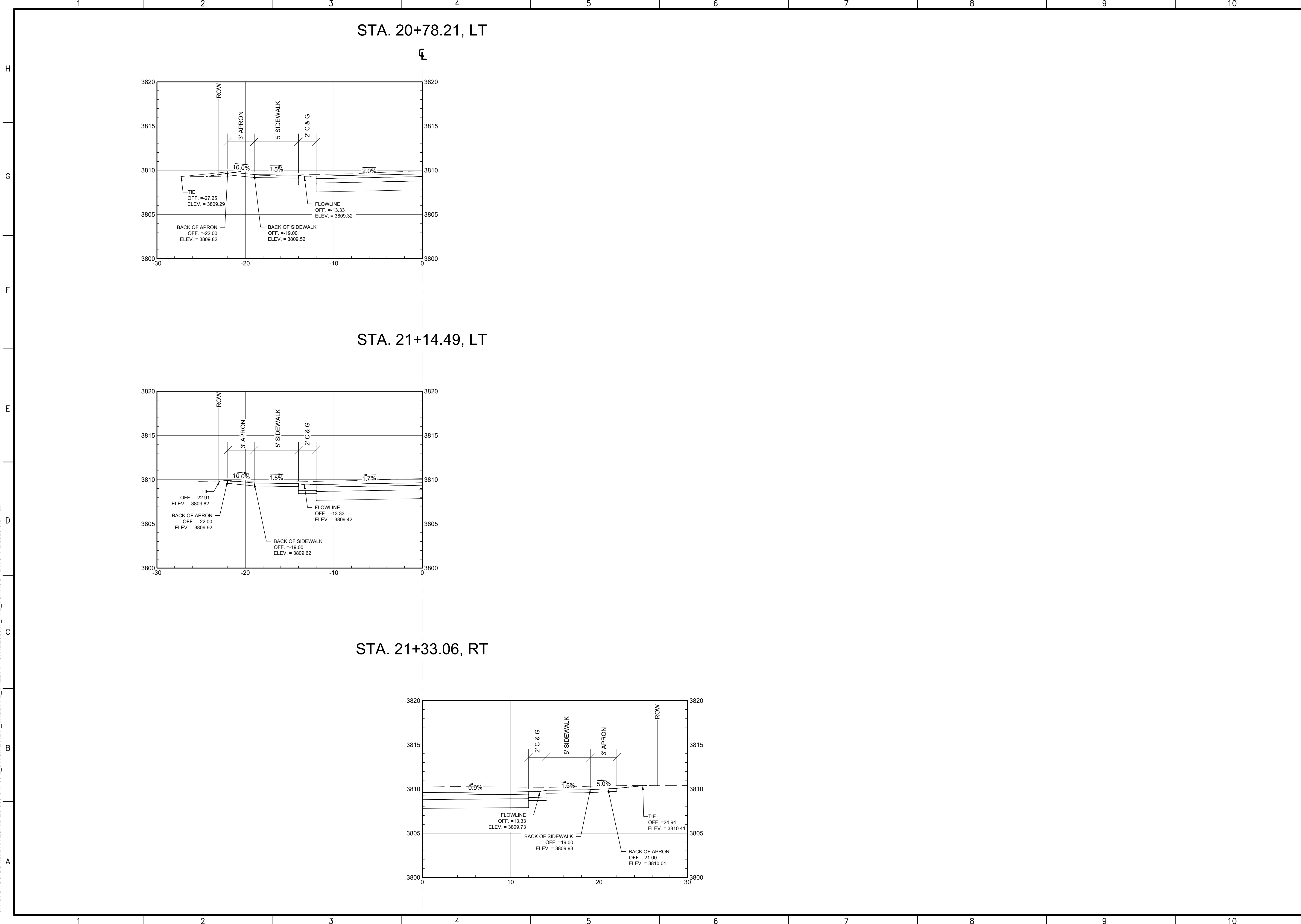
DATE: JULY 2020

SHEET TITLE
 DRIVEPAD TURNOUT

SHEET NO:
 4-2

\\WILSONCO\COM\DRIVE\MSD\20-600-047-00\2_DISCIPLINES\ SHEETS\2_SHEETS\CIVIL\206047_PHZ_TURNOUT.DWG 7/2/2020 9:57 AM

\\WILSONCO.COM\DRIVE\MSD\20-600-047-002_DISCIPLINES_SHEETS\SHEETS\S2_SHEETS\S2_TURNOUT.DWG 7/2/2020 9:57 AM



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CONSULTANTS

SEAL

100%
NOT FOR
CONSTRUCTION

PROJECT NAME

ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY: ...
 DATE: JULY 2020

SHEET TITLE
DRIVEPAD TURNOUT

SHEET NO:
4-3

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 PADDOLE	-----	BLK/FLUORESCENT ORANGE on Side 1 with 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.

3/2/2017	DRB	REVISE NOTE 2	
3/2/2017	DRB	REVISE NOTE 7	
NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING			
TEMPORARY TRAFFIC CONTROL GENERAL NOTES			
APPROVED:	Afshin J. [Signature]		3/2/17
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
702-01-1/5			

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 1/2 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 WB-1 sign ("BUMP" - B/FO), WB-7 sign ("LOOSE GRAVEL" - B/FO) and/or WB-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 Control
A. MAINTENANCE OF TEMPORARY PAVEMENT MARKINGS FOR PROJECT DURATION

	LIST OF INCIDENTALS for Temporary Traffic Control
A.	MAINTENANCE OF TEMPORARY PAVEMENT MARKINGS FOR PROJECT DURATION

NO.	DATE	REV BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING			
TEMPORARY TRAFFIC CONTROL GENERAL NOTES			
APPROVED:	<i>Afshin Jafar</i>		12/10/15
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
702-01-2/5			

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.

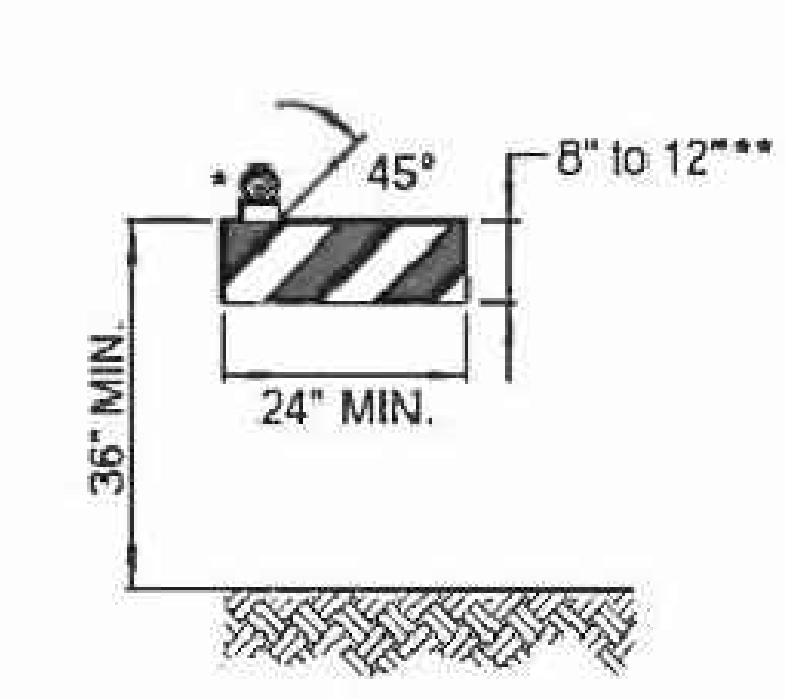
* THESE SIGNS REQUIRE APPROPRIATE DISTANCE INDICATION
(1/2 MILE, 1 MILE, 1500 FT., 750 FT., 500 FT., 350 FT.)

REGULATORY SIGNS:

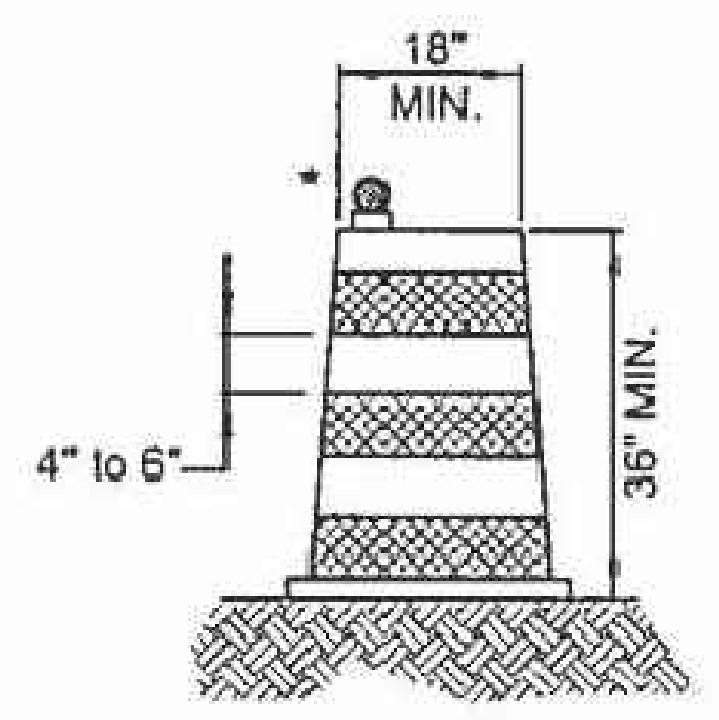
SPECIAL SIGNS:

8 FT. TYPE III BARRICADES

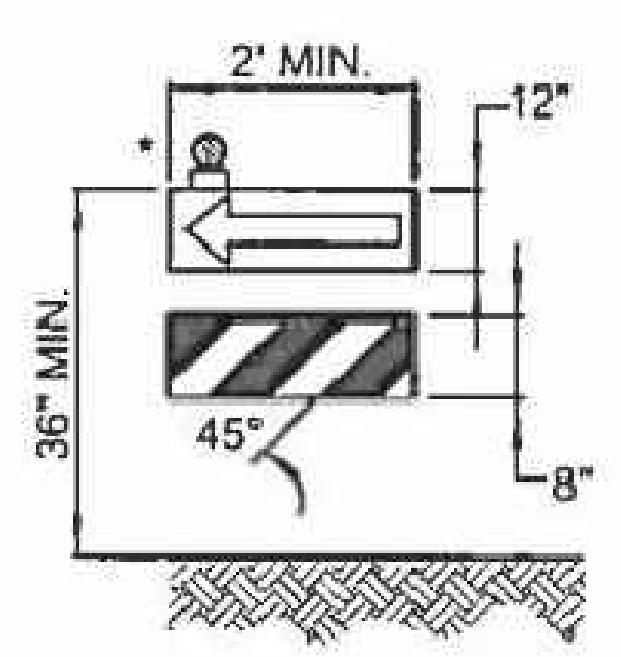
NO.	DATE	REV BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING			
CONSTRUCTION & MAINTENANCE SIGN FACE DETAILS			
APPROVED:	<i>A. Shin</i>		12/10/15
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
702-01-3/5			



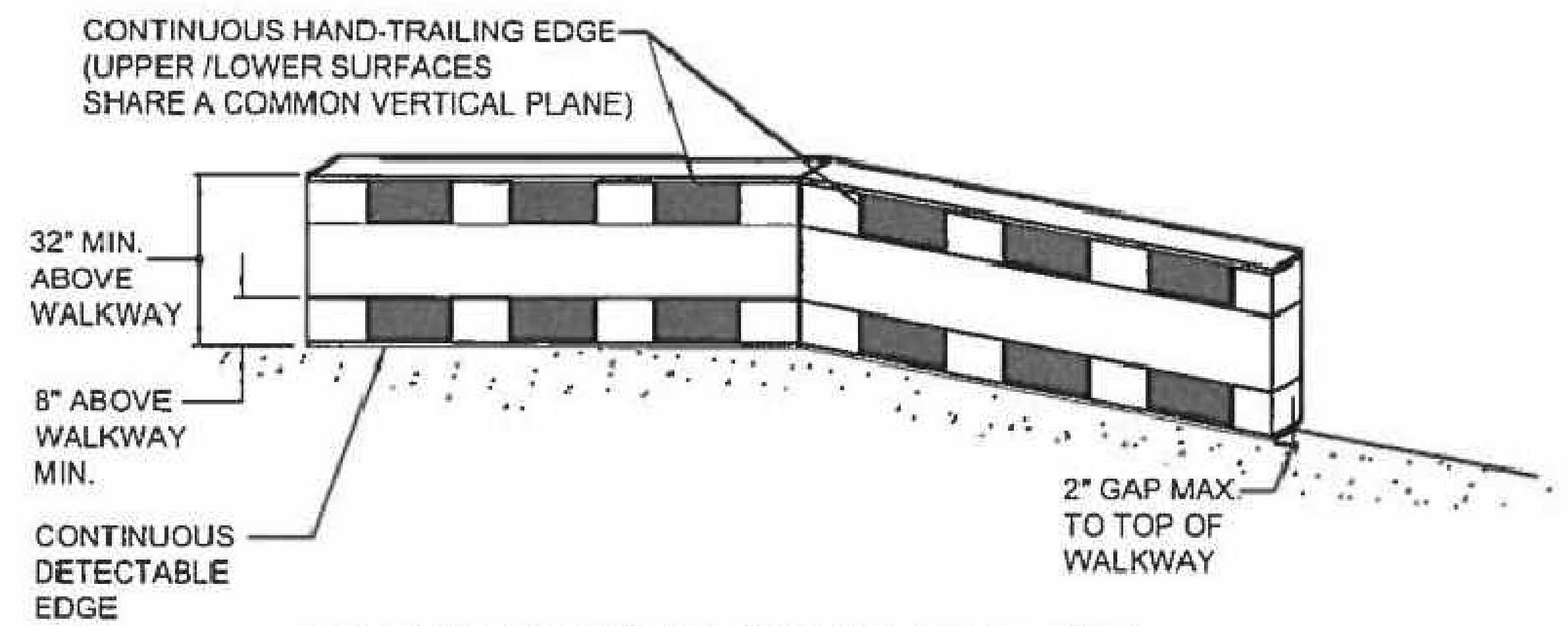
TYPE I BARRICADE ::
LOW SPEED ROADWAY (≤ 40 MPH)



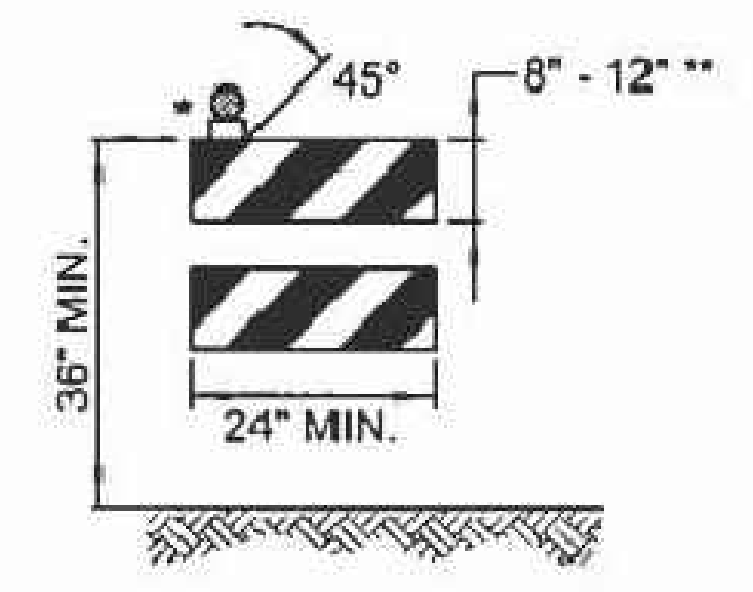
DRUM*



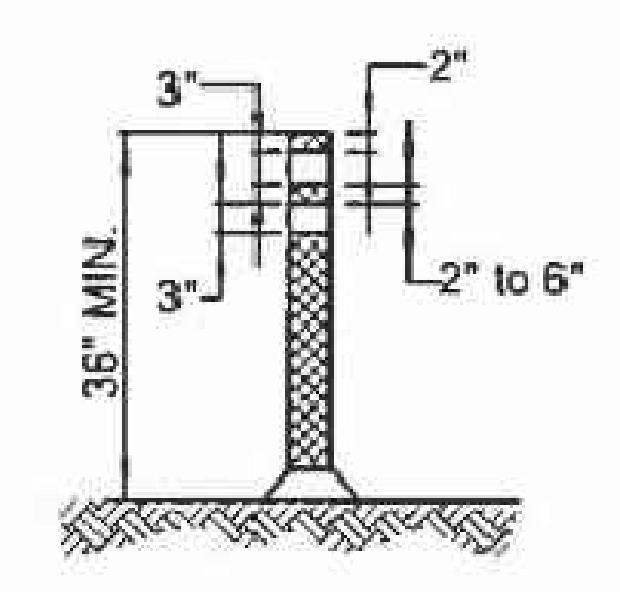
DIRECTION INDICATOR BARRICADE ::



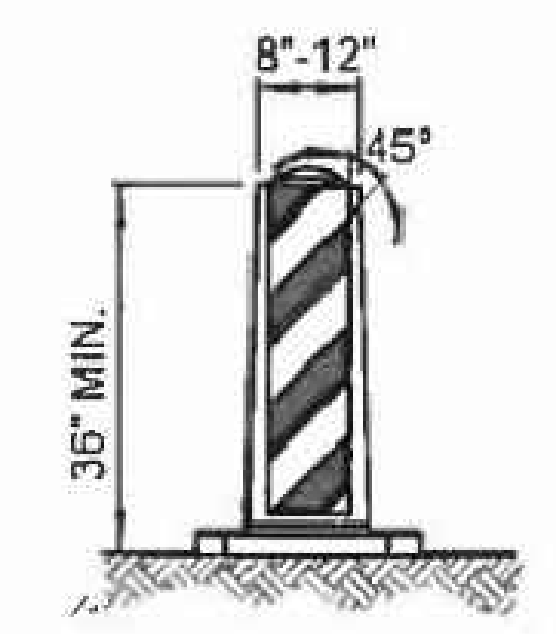
PEDESTRIAN CHANNELIZATION DEVICE (PCD)



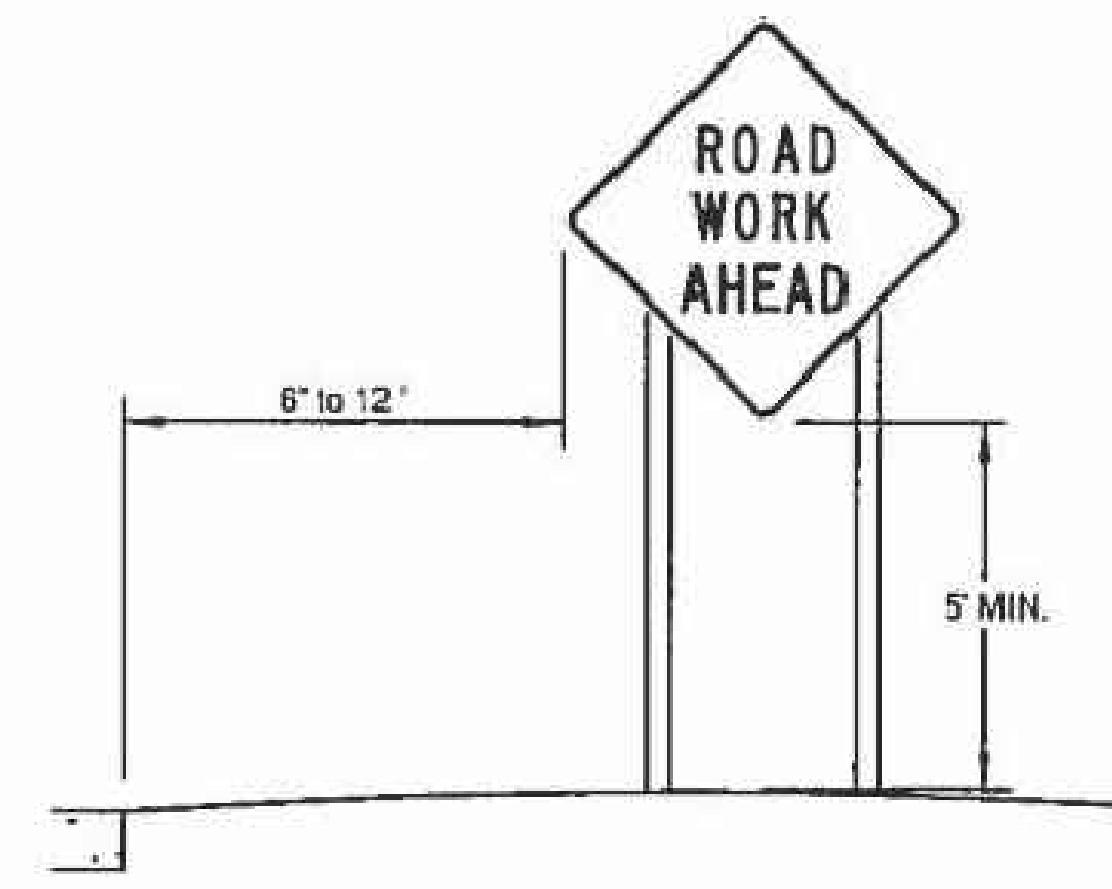
TYPE II BARRICADE ***
LOW SPEED ROADWAY (≤ 40 MPH)



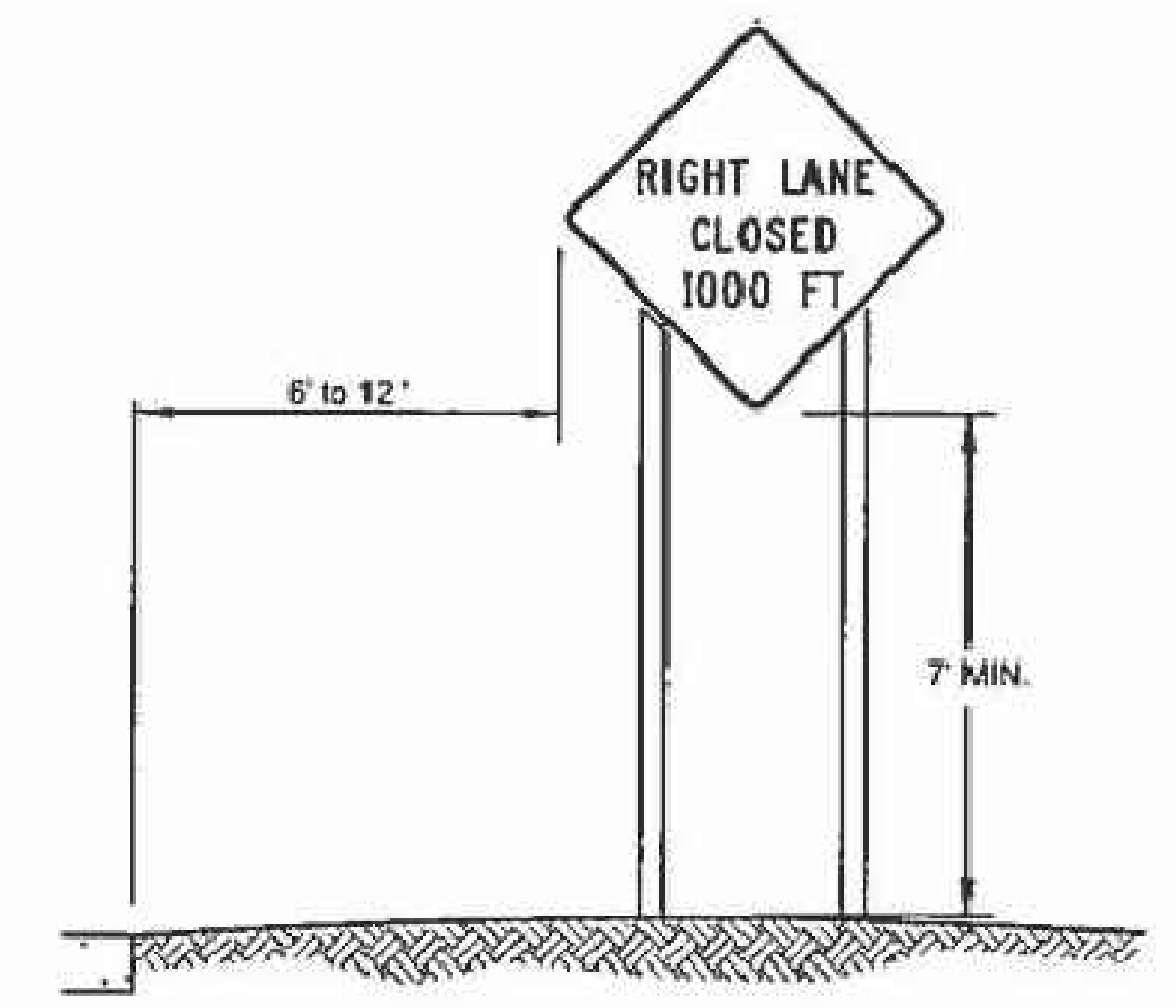
TUBULAR MARKERS



VERTICAL PANEL ***

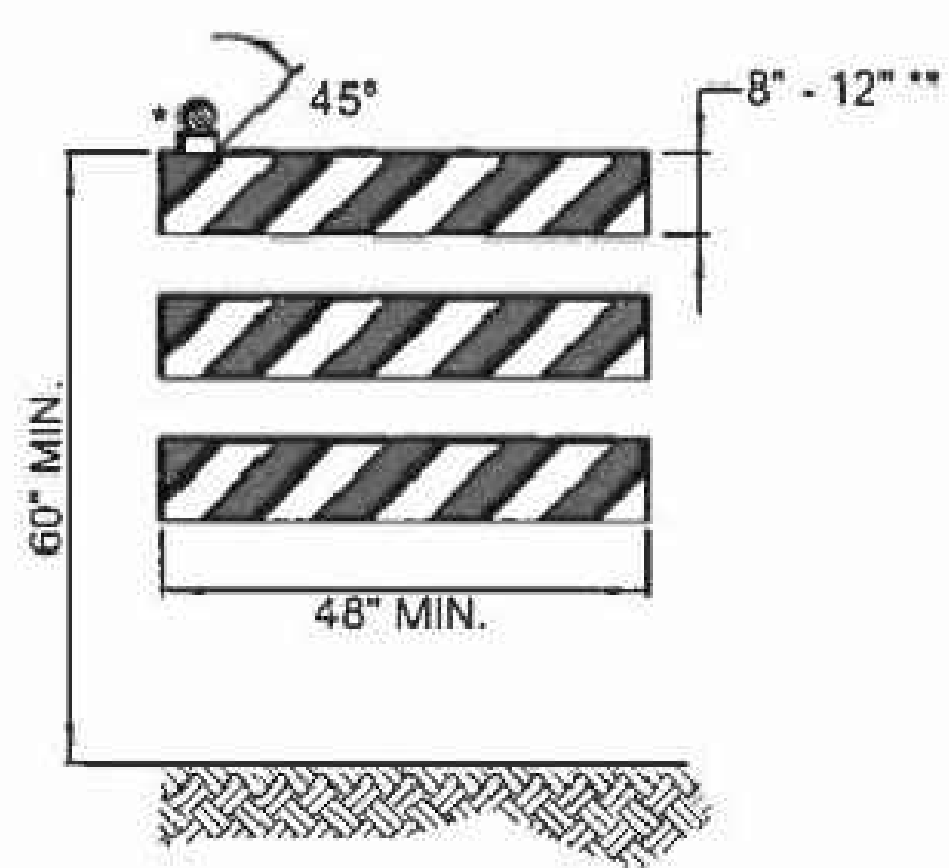


RURAL AREA

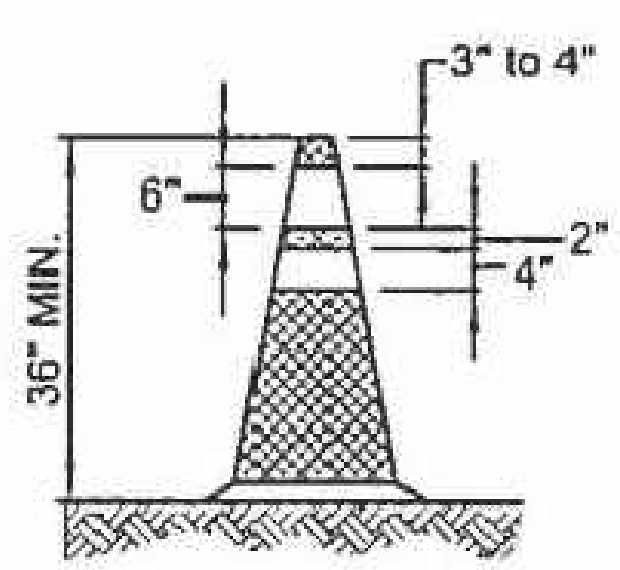


BUSINESS, COMMERCIAL, OR RESIDENTIAL AREA (WITHOUT CURB)

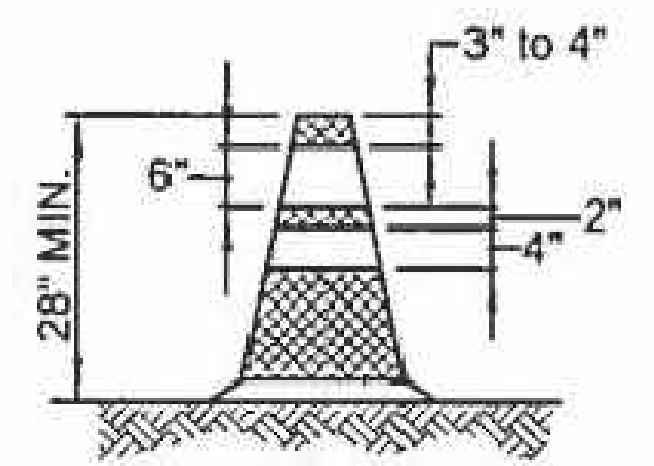
HEIGHT AND LATERAL LOCATIONS OF SIGNS - TYPICAL INSTALLATIONS



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.

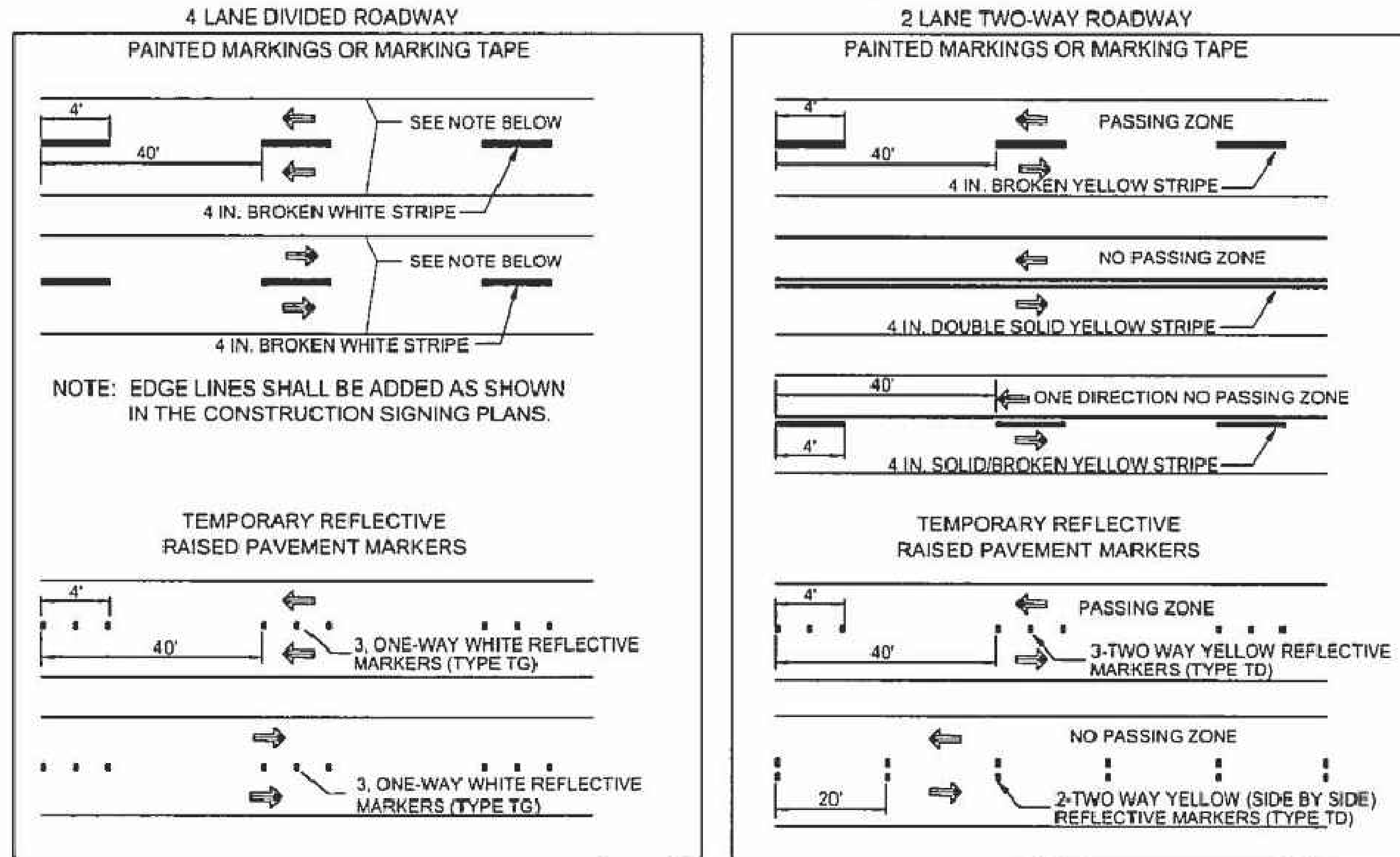
- * WARNING LIGHT (OPTIONAL)
- ** NOMINAL LUMBER DIMENSIONS ARE SATISFACTORY FOR BARRICADE RAIL WIDTH DIMENSIONS.
- *** RAIL STRIPE WIDTHS SHALL BE 6 INCHES. EXCEPTION: WHERE RAIL LENGTHS ARE LESS THAN 36 INCHES, THEN 4 INCH WIDE STRIPES MAY BE USED.

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.

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:	<i>A. Shins</i>	11/3/15
DESIGNED BY:	DRAWN BY:	CHECKED BY:
702-01-4/5		

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)



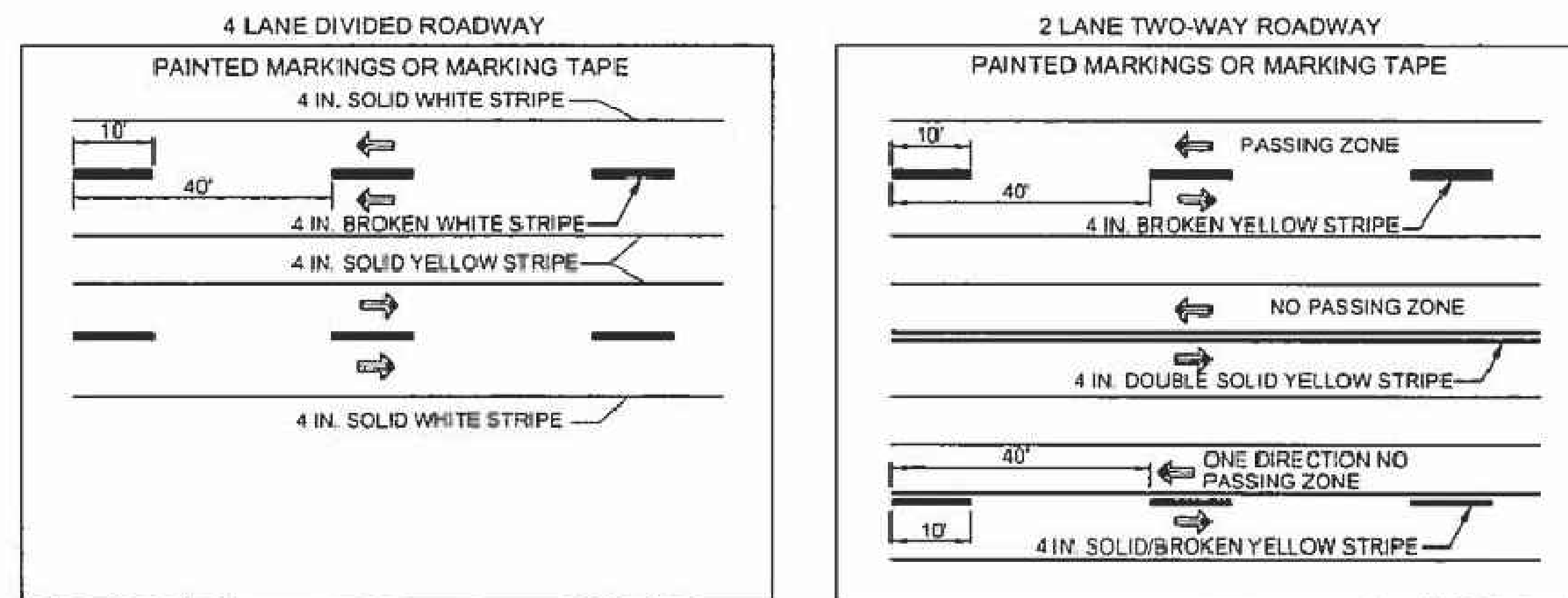
GENERAL NOTES


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 severe 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 where 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.

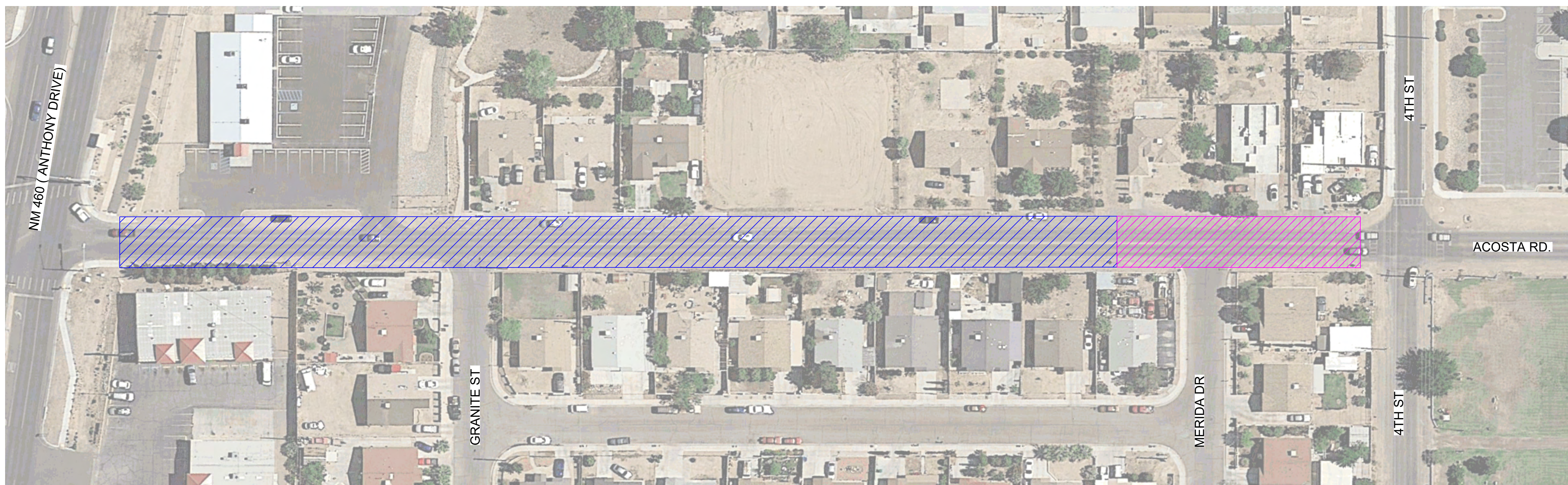
FIGURE 1A

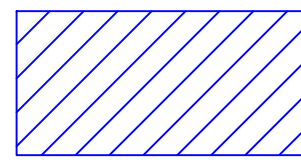
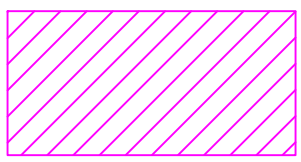
STANDARD WORK ZONE INTERIM MARKINGS (IN PLACE FOR 14 CALENDAR DAYS OR MORE) (MINIMUM OF 2 COATS OR AS DIRECTED BY THE PROJECT MANAGER)



NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING			
TEMPORARY TRAFFIC MARKINGS FOR CONSTRUCTION			
APPROVED	 DESIGN ENGINEER		11/3/15 DATE
DESIGNED BY	DRAWN BY	CHECKED BY	
702-01-5/5			

SEQUENCE OF CONSTRUCTION OVERVIEW



	
<p>PHASE 1: EAST OF NM 460 TO WEST OF MERIDA DR STA: 11+30 (B.O.P.) TO 19+50</p>	<p>PHASE 2: WEST OF MERIDA DR TO WEST VILLA SERENO CIR STA: 19+50 TO 21+55</p>
<p>PHASE 1:</p> <ol style="list-style-type: none"> SET UP TRAFFIC CONTROL PLAN: STA 11+30 TO 19+50 REMOVAL OF SURFACING INSTALL STORM DRAIN. CONSTRUCT NEW ROADWAY, CURB & GUTTER, SIDEWALK, AND DRIVEPADS SIGNING & STRIPING 	<p>PHASE 2:</p> <ol style="list-style-type: none"> SET UP TRAFFIC CONTROL PLAN: STA 19+50 TO 21+55 REMOVAL OF SURFACING INSTALL STORM DRAIN. CONSTRUCT NEW ROADWAY, CURB & GUTTER, SIDEWALK, AND DRIVEPADS SIGNING & STRIPING

SIGN	DIMMENSION	AREA (SQ.FT)	QTY.		AREA (S.F.)
			PHASE I	PHASE II	
W20-3	36"x36"	9	5	5	90
W20-2	36"x36"	9	3	3	54
D3-1-30 M4-9L-30	30"x24"	6	8	10	108
D3-1-30 M4-9R-30	30"x24"	5	7	4	55
D3-1-30 M4-9R-30	30"x24"	5	0	0	0
M4-8a	18"x24"	3	4	2	18
M4-9S	30"x24"	5	3	5	40
PROJECT TOTAL					365
PROJECT USE					376

SIGN	TYPE	AREA (SQ.FT)	QTY.		702110 PORTABLE SIGN SUPPORT	702238 PORTABLE SIGN SUPPORT
			PHASE I	PHASE II		
R11-2 B-1LR-96	Type III Barricade (8')	9	1	1	2	2
R11-4-60 B-1LR-96	Type III Barricade (8')	9	2	2	4	4
PROJECT TOTAL					6	6
PROJECT USE					6	6

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CONSULTANTS

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PROJECT NAME
**ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO**

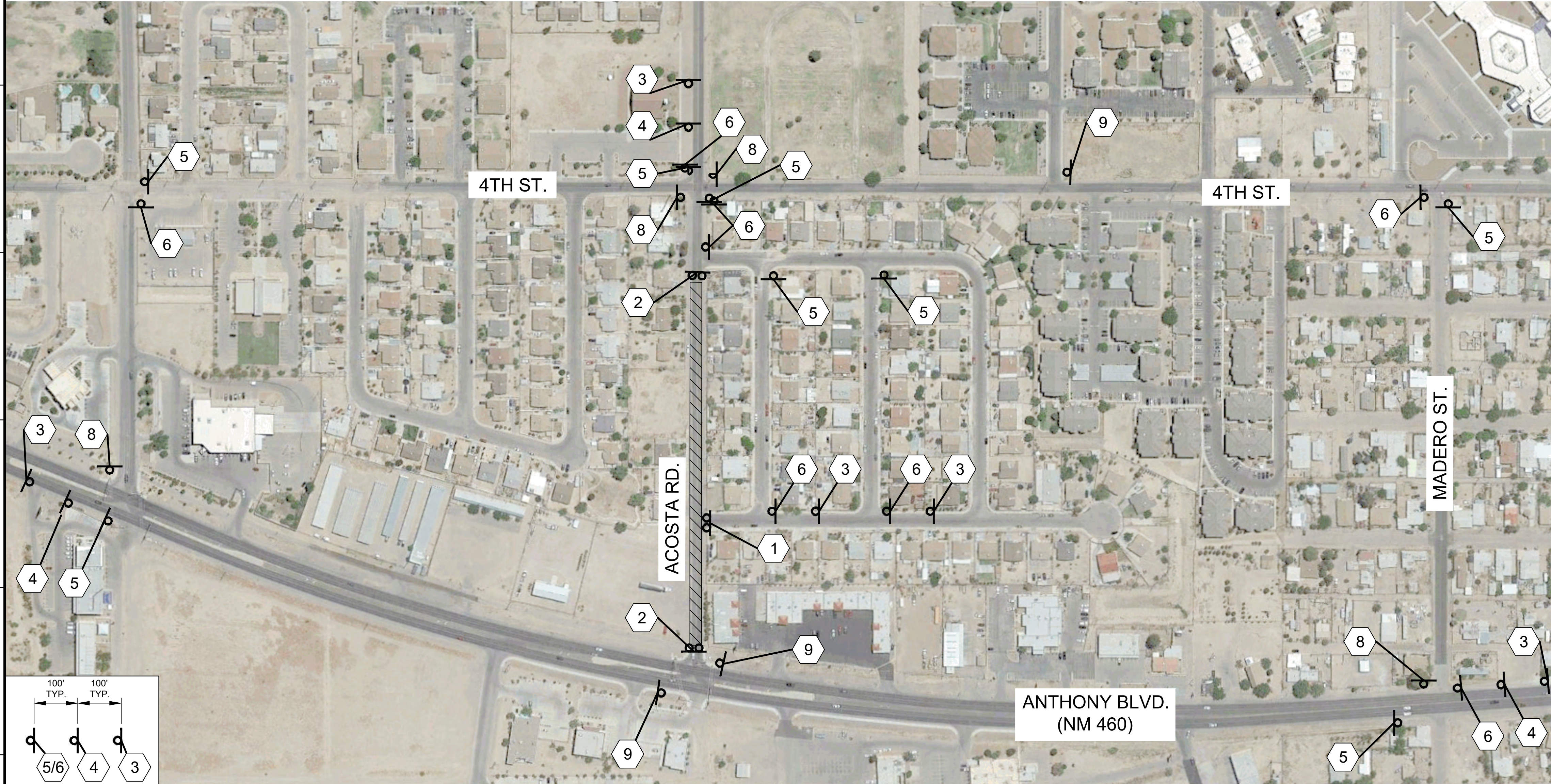
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY: ...
 DATE: JULY 2020

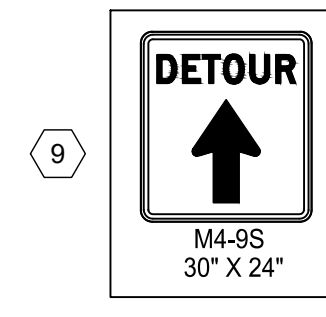
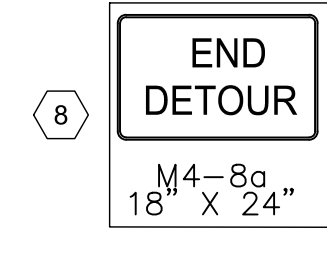
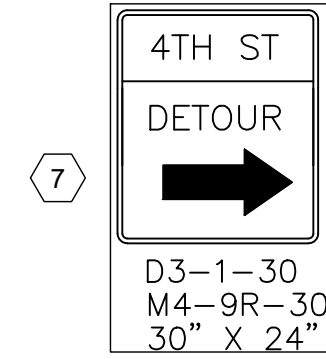
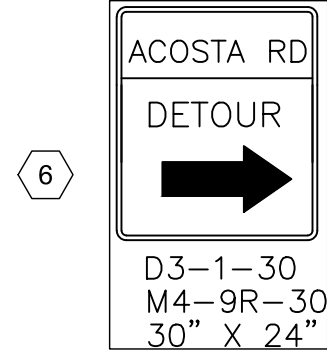
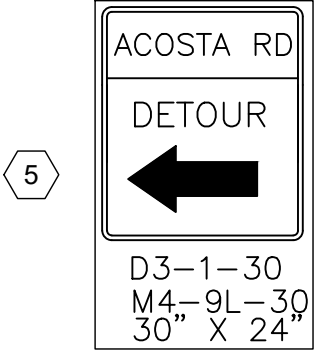
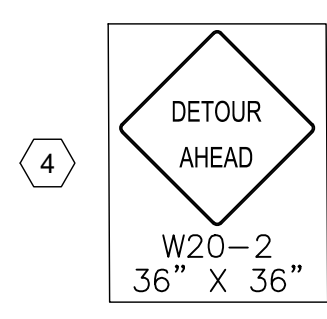
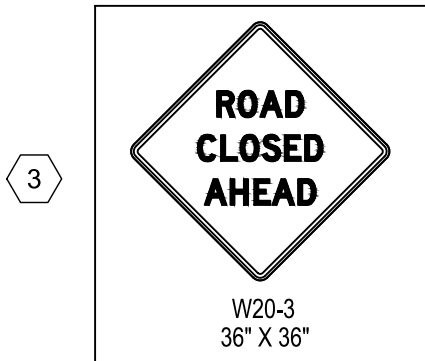
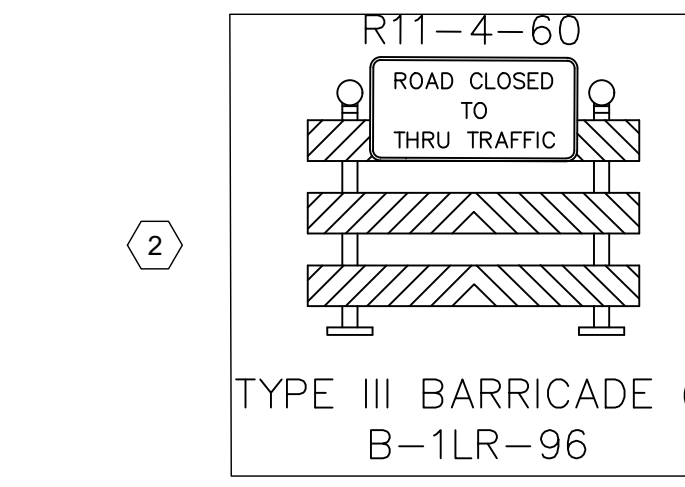
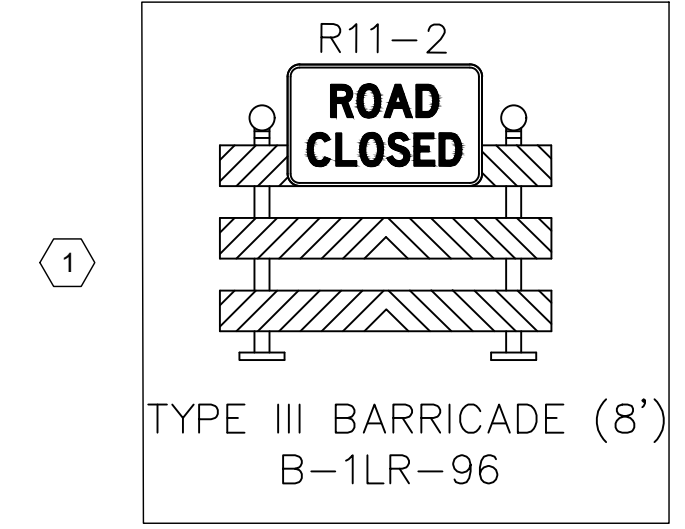
SHEET TITLE
SEQUENCE OF CONSTRUCTION OVERVIEW

SHEET NO:
6-6

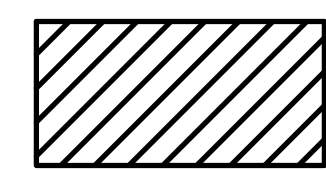
PHASE 1
STA: 11+30.00 TO STA: 19+50.00



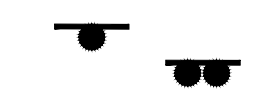
KEYNOTES



LEGEND



WORK ZONE



TRAFFIC DEVICES

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PROJECT NAME

ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
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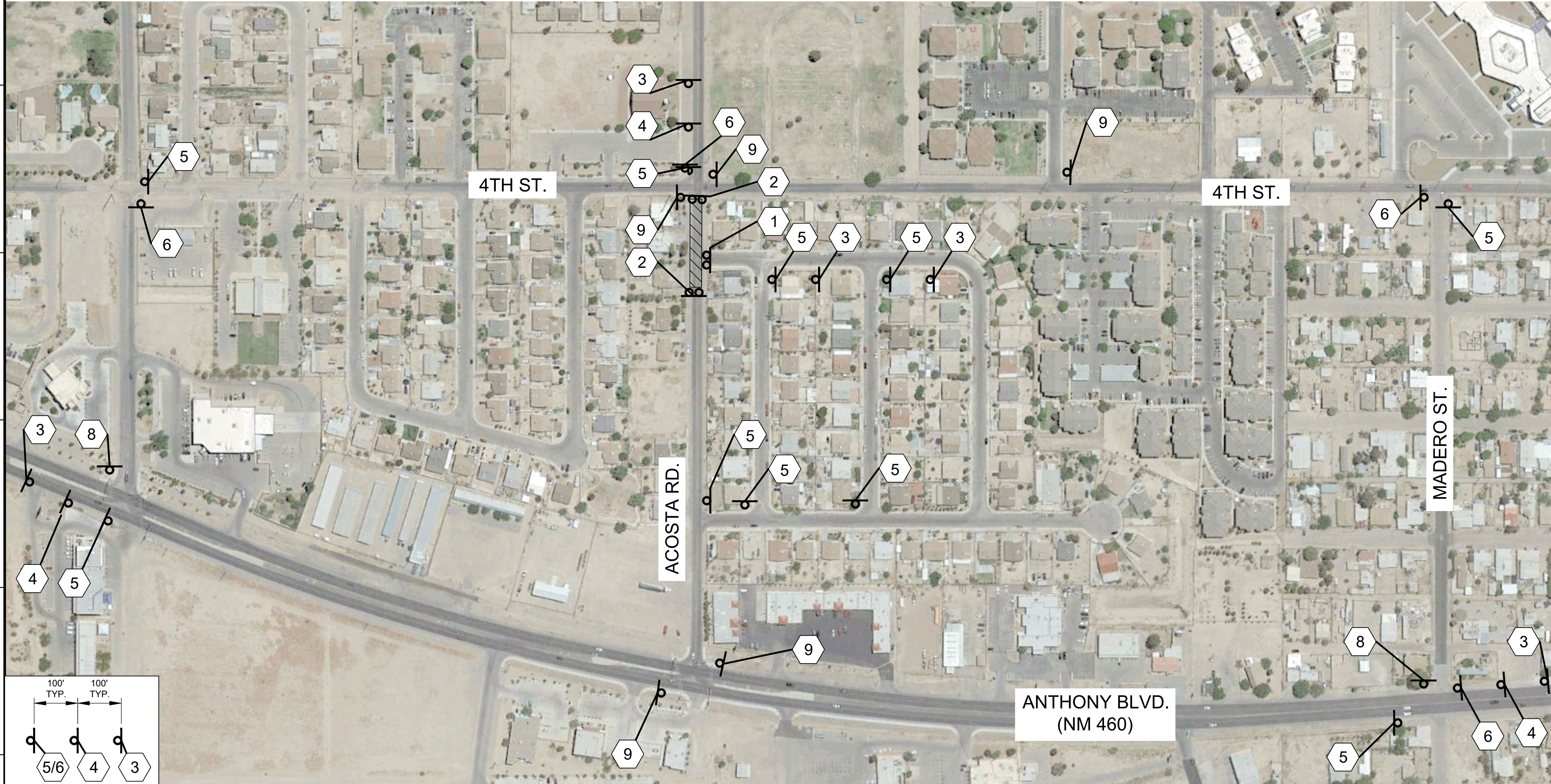
SHEET TITLE
TRAFFIC CONTROL
PLAN - PHASE I

SHEET NO:
6-7

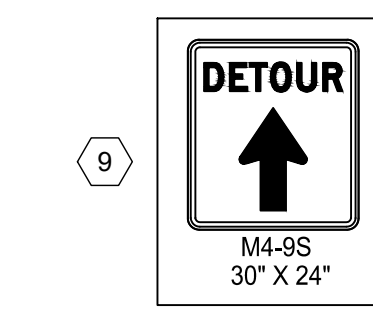
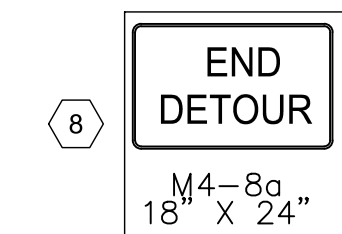
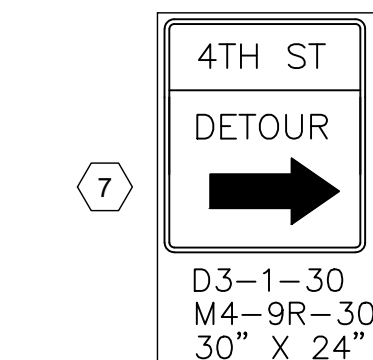
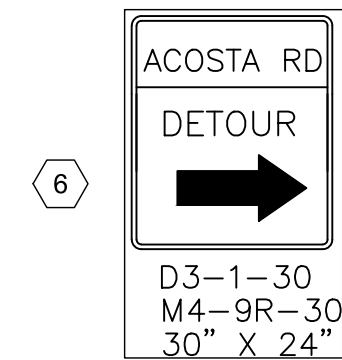
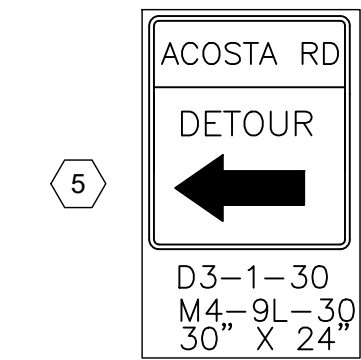
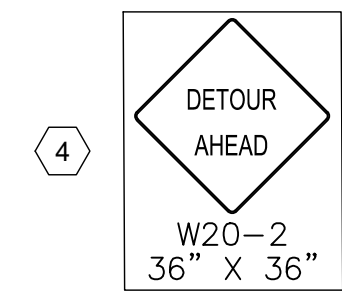
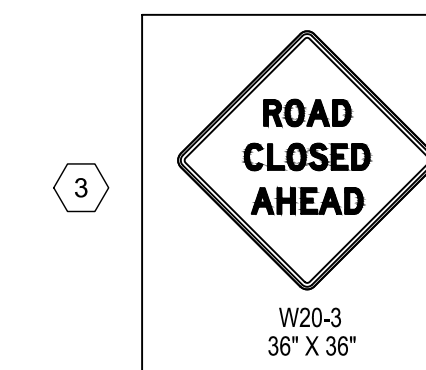
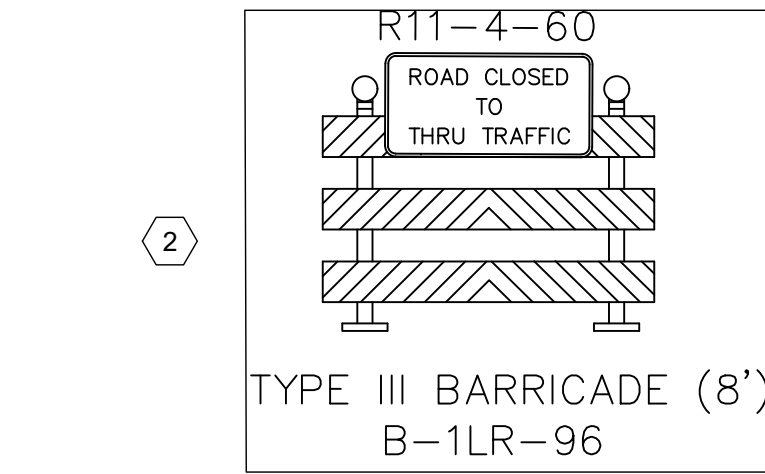
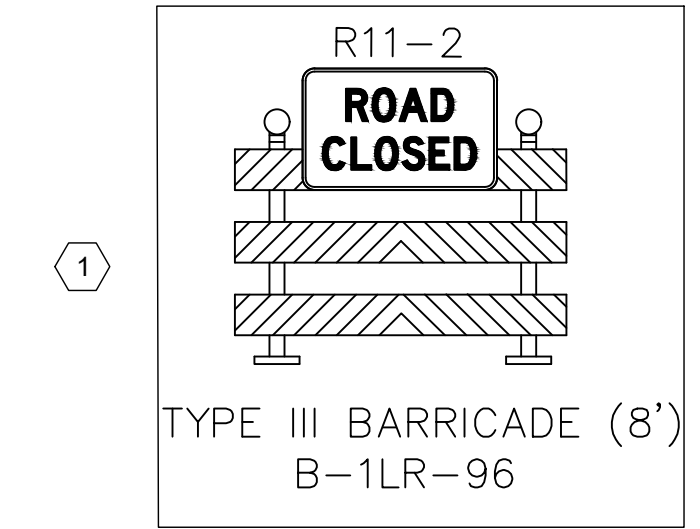
A1 ACOSTA RD. TRAFFIC CONTROL PLAN - PHASE I: STA 11+30 BOP TO 19+50
1" = 150'

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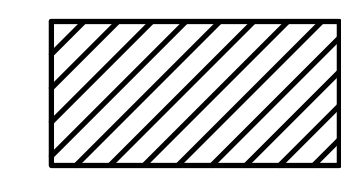
PHASE 2
STA: 19+50.00 TO STA: 21+55.00



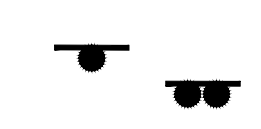
KEYNOTES



LEGEND



WORK ZONE



TRAFFIC DEVICES

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PROJECT NAME

ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
CHECKED BY: ---
DATE: JULY 2020

SHEET TITLE
TRAFFIC CONTROL
PLAN - PHASE II

SHEET NO:
6-8

A1 ACOSTA RD. TRAFFIC CONTROL PLAN - PHASE II: STA 19+50 TO 21+55 E.O.P.

1" = 150'

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E1 ACOSTA RD. SIGNING & STRIPING - B.O.P. TO 15+00
1" = 20'



A1 ACOSTA RD. SIGNING & STRIPING - STA: 15+00 TO 19+50
1" = 20'

GENERAL NOTES

1. PERMANENT SIGNING & STRIPING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
2. ALL PAVEMENT MARKING SHALL BE RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE.
3. ALL EXISTING SIGNS SHALL BE REMOVED & SALVAGED, COORDINATE WITH OWNER ON STOCKPILE LOCATION. COST IS INCIDENTAL TO PROJECT.

KEYNOTES

1. EXISTING SIGNS, TO BE REPLACED

MATCHLINE STA. 15+00
SEE A1, THIS SHEET

1

2

3

4

LEGEND

STOP SIGN

TRAFFIC SIGN

24" STOP LINE

6" WIDE X 24" STRIPS
PEDESTRIAN CROSSING MARKING

4" SOLID DOUBLE YELLOW REFLECTORIZED STRIPING

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PROJECT NAME

**ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO**

REV.	DATE	DESCRIPTION	BY

PROJECT NO:	20-600-047-00
DESIGNED BY:	ESH/GAV
DRAWN BY:	GO
CHECKED BY:	---
DATE:	JULY 2020

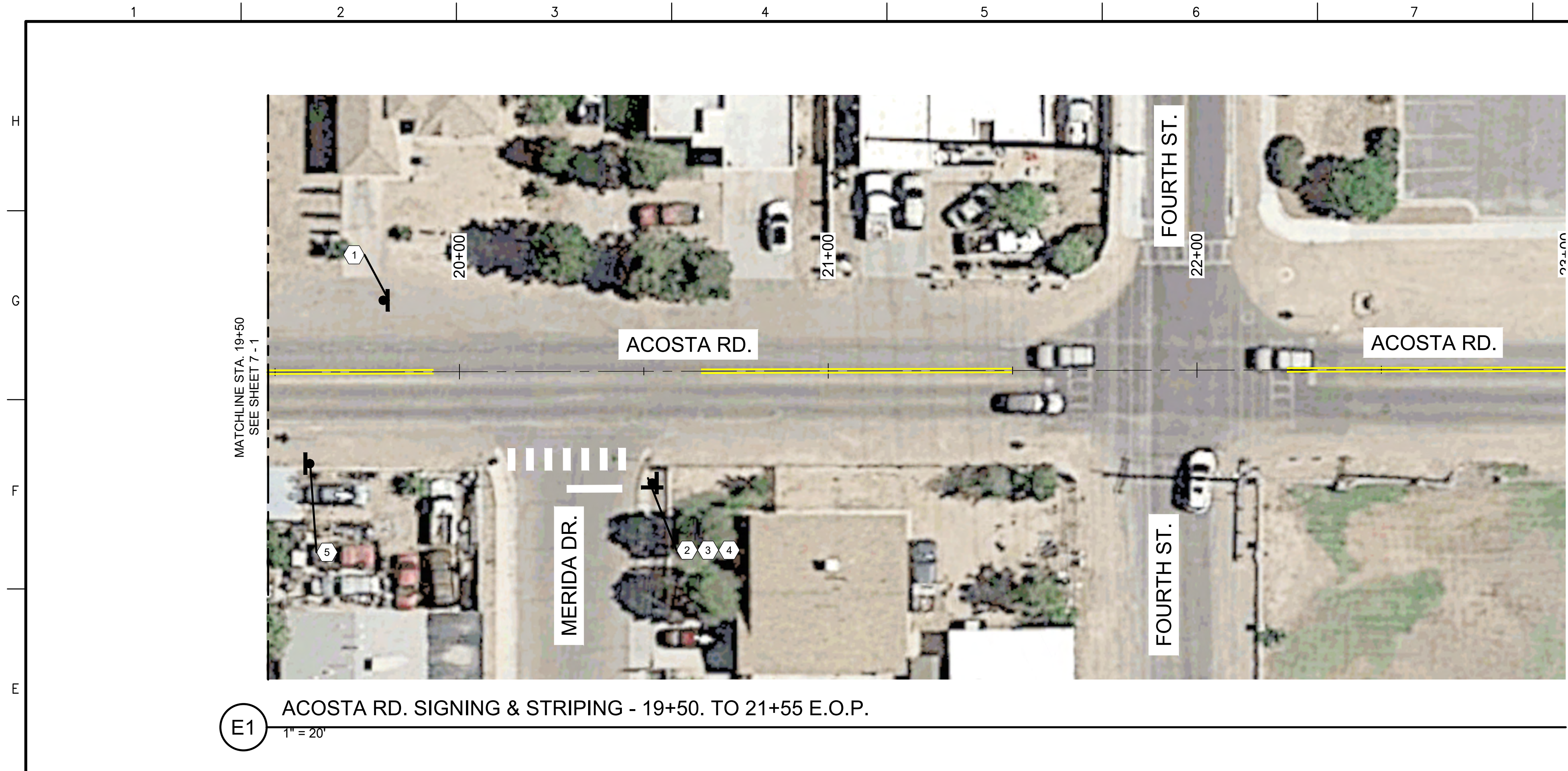
SHEET TITLE

SIGNING & STRIPING PLAN

SHEET NO:

7-1

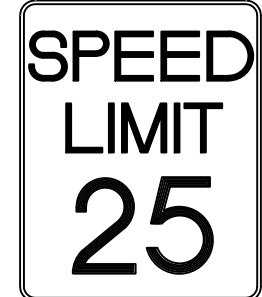
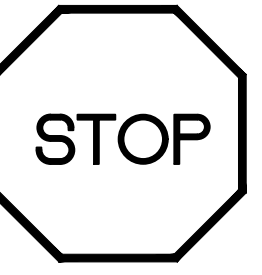
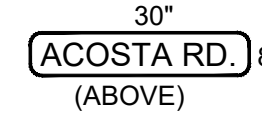
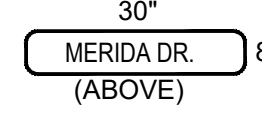
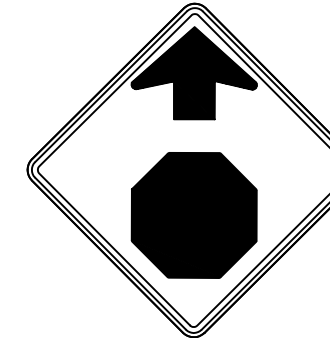
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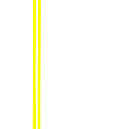
GENERAL NOTES

1. PERMANENT SIGNING & STRIPING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
2. ALL PAVEMENT MARKING SHALL BE RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE.
3. ALL EXISTING SIGNS SHALL BE REMOVED & SALVAGED, COORDINATE WITH OWNER ON STOCKPILE LOCATION. COST IS INCIDENTAL TO PROJECT.

KEYNOTES

- 1  R2-1
24" X 30"
- 2  R1-1-30
W/R
30" X 30"
- 3  30"
ACOSTA RD. 8"
(ABOVE)
- 4  30"
MERIDA DR. 8"
(ABOVE)
- 5  W3-1
W/R
30" X 30"

LEGEND

-  STOP SIGN
-  TRAFFIC SIGN
-  24" STOP LINE
-  6" WIDE X 24" STRIPS
PEDESTRIAN CROSSING MARKING
-  4" SOLID DOUBLE YELLOW REFLECTORIZED
STRIPING

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PROJECT NAME
**ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO**

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
 CHECKED BY: ---
 DATE: JULY 2020

SHEET TITLE
**SIGNING & STRIPING
 PLAN**

SHEET NO:
7-2

\\WILSONCO.COM\DRIVE\MSD\20-600-047-002_DISCIPLINES_SHEETS_SHEETS - CIVIL\206047_PH2_SGN_STRP.DWG 7/6/2020 2:43 PM

704000 RETROREFLECTORIZED PAINTED PAVEMENT STRIPE 4" PAINTED MARKINGS				
STATION	TO	STATION	LOCATION / DESCRIPTION	LENGTH (LF)
11+39.05		13+93.12	YELLOW SOLID DOUBLE STRIPE/ CENTERLINE	508.09
14+65.78		19+92.92	YELLOW SOLID DOUBLE STRIPE/ CENTERLINE	1054.30
20+65.58		21+49.74	YELLOW SOLID DOUBLE STRIPE/ CENTERLINE	168.32
FIRST APPLICATION				1730.71
SECOND APPLICATION				1730.71
PROJECT TOTAL				3461.42
PROJECT USE				3470.00

704224 RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 24"				
STATION	TO	STATION	LOCATION / DESCRIPTION	LENGTH (LF)
14+14.44		14+44.44	OFFSET 21.06' RT CROSSWALK GRANITE ST.	42.00
14+29.46		14+44.47	OFFSET 32.08' RT STOP BAR GRANITE ST.	15.00
20+14.05		20+44.05	OFFSET 20.80' RT CROSSWALK MERIDA DR.	42.00
20+29.25		20+44.06	OFFSET 31.79' RT STOP BAR MERIDA DR.	15.00
FIRST APPLICATION				114.00
SECOND APPLICATION				114.00
PROJECT TOTAL				228.00
PROJECT USE				230.00

PERMANENT SIGNING					
SIGN	DIMMENSION	AREA (SQ.FT)	QTY	701000 PANEL SIGNS AREA (S.F.)	701100 STEEL/BASE POST FOR ALUMINUM PANEL SIGNS (LF)
R1-1-30	30"x30"	6.25	2	12.5	18.0
STREET SIGN	30"x8"	1.67	4	6.7	9.0
R2-1	24"x30"	5.00	2	10.0	9.0
W3-1	30"X30"	6.25	1	6.3	9.0
PROJECT TOTAL				35.4	45.0
PROJECT USE				40	50



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PROJECT NAME

ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO

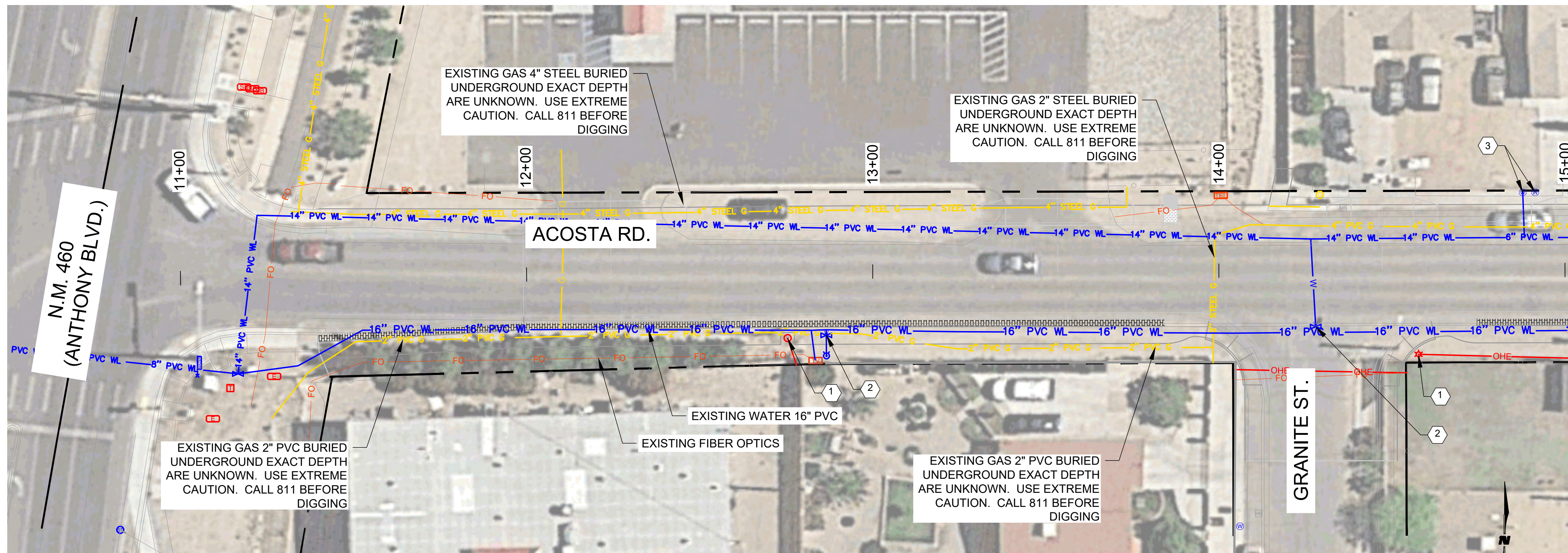
REV.	DATE	DESCRIPTION	BY

PROJECT NO:	20-600-047-00
DESIGNED BY:	ESH/GAV
DRAWN BY:	GO
CHECKED BY:	---
DATE:	JULY 2020

SHEET TITLE
SIGNING & STRIPING QUANTITIES

SHEET NO:
7-3

ACOSTA RD PLAN STA: 11+00 TO 15+00
HORIZONTAL SCALE: 1" = 20'



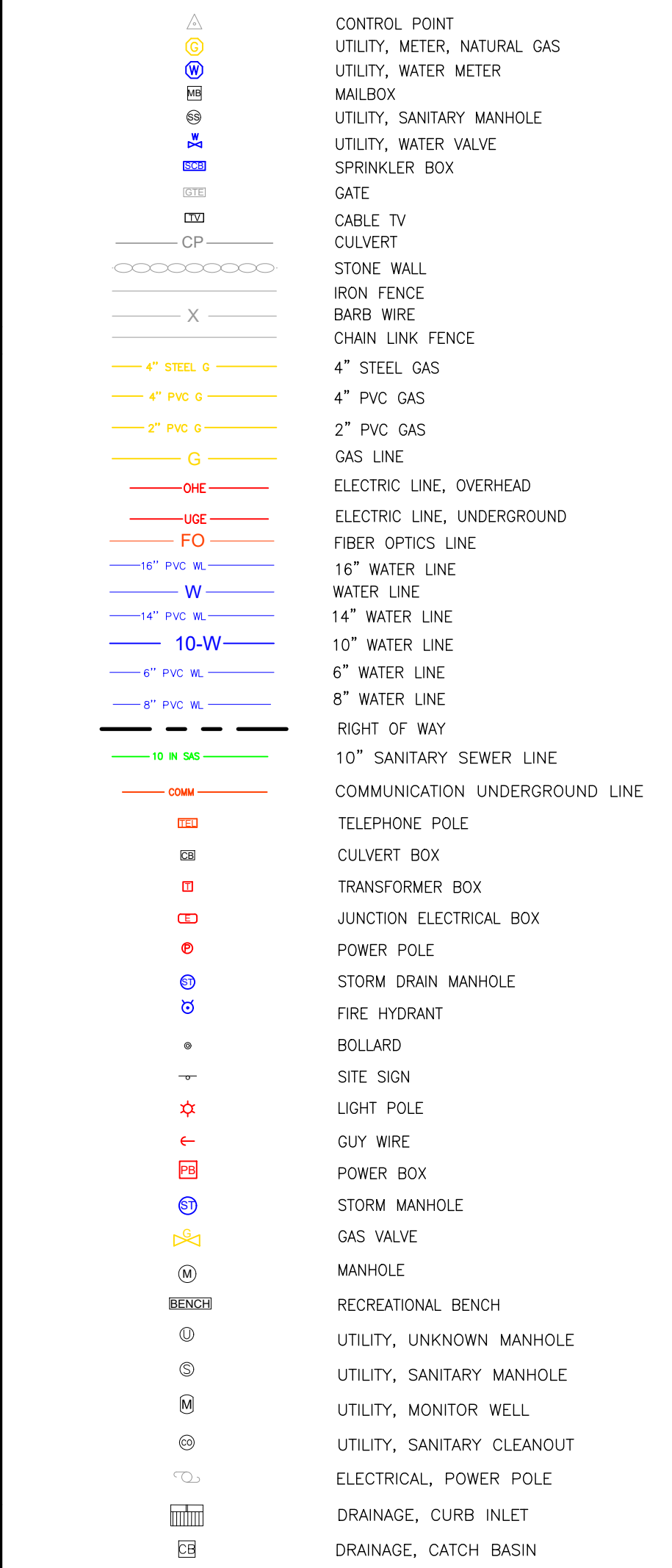
GENERAL NOTES

- CONTRACTOR SHALL PERFORM NON-DESTRUCTIVE UTILITY EXPLORATION PER NTC "UTILITY ITEMS", AND PROVIDE THE EXACT HORIZONTAL & VERTICAL DATA TO THE PROJECT MANAGER BEFORE CONSTRUCTION COMMENCES.
- CONTRACTOR SHALL PROTECT ALL EXISTING POWER POLES, COMMUNICATION LINES AND GAS LINES DURING CONSTRUCTION.
- EXISTING WATER & SANITARY SEWER LINE SHALL REMAIN IN SERVICE DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MONITORING COVER, AND MAINTAINING ALL EXISTING BURIED UTILITIES THROUGHOUT LIFE OF THE PROJECT PER NTC "UTILITY ITEMS". DEPTHS OF UTILITIES ARE APPROXIMATE. ANY DAMAGE OCCURRING DURING EARTHWORK AND EXCAVATION SHALL BE REPLACED IN-KIND AT THE CONTRACTORS EXPENSE.
- ALL STATIONING REFERS TO THE CENTERLINE OF ROADWAY UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING CURB & GUTTER, SIDEWALK, DRIVEPADS, VALLEY GUTTER, AND POWER POLES. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE AND WILL REPLACE, IN-KIND, AT NO COST TO THE OWNER.

KEYNOTES

- CONTRACTOR TO MAINTAIN AND PROTECT EXISTING POWER POLE.
- ADJUST VALVE BOX TO FINISH GRADE PER SHEET 12-40
- ADJUST MANHOLE TO FINISHED GRADE PER SHEET 12-40

LEGEND



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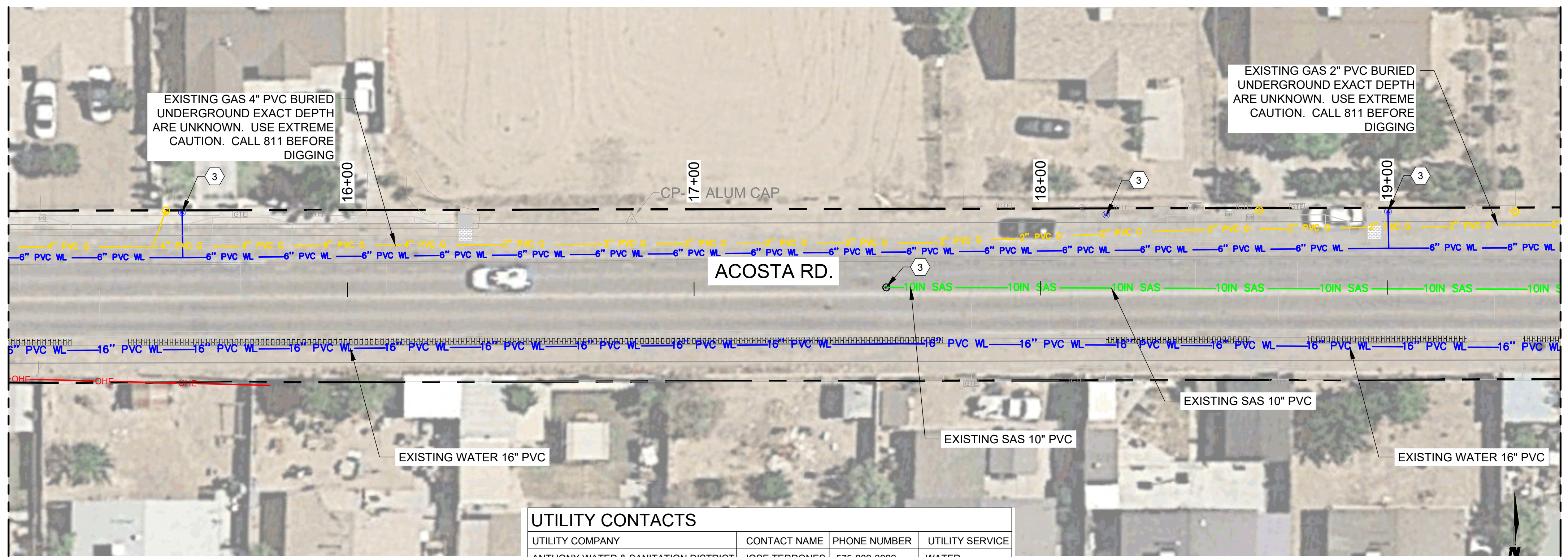
PROJECT NAME
**ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO**

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
DESIGNED BY: ESH/GAV
DRAWN BY: GO
CHECKED BY: ---
DATE: JULY 2020

SHEET TITLE
UTILITY PLAN
SHEET NO:
11-1

ACOSTA RD PLAN STA: 15+00 TO 19+50
HORIZONTAL SCALE: 1" = 20'

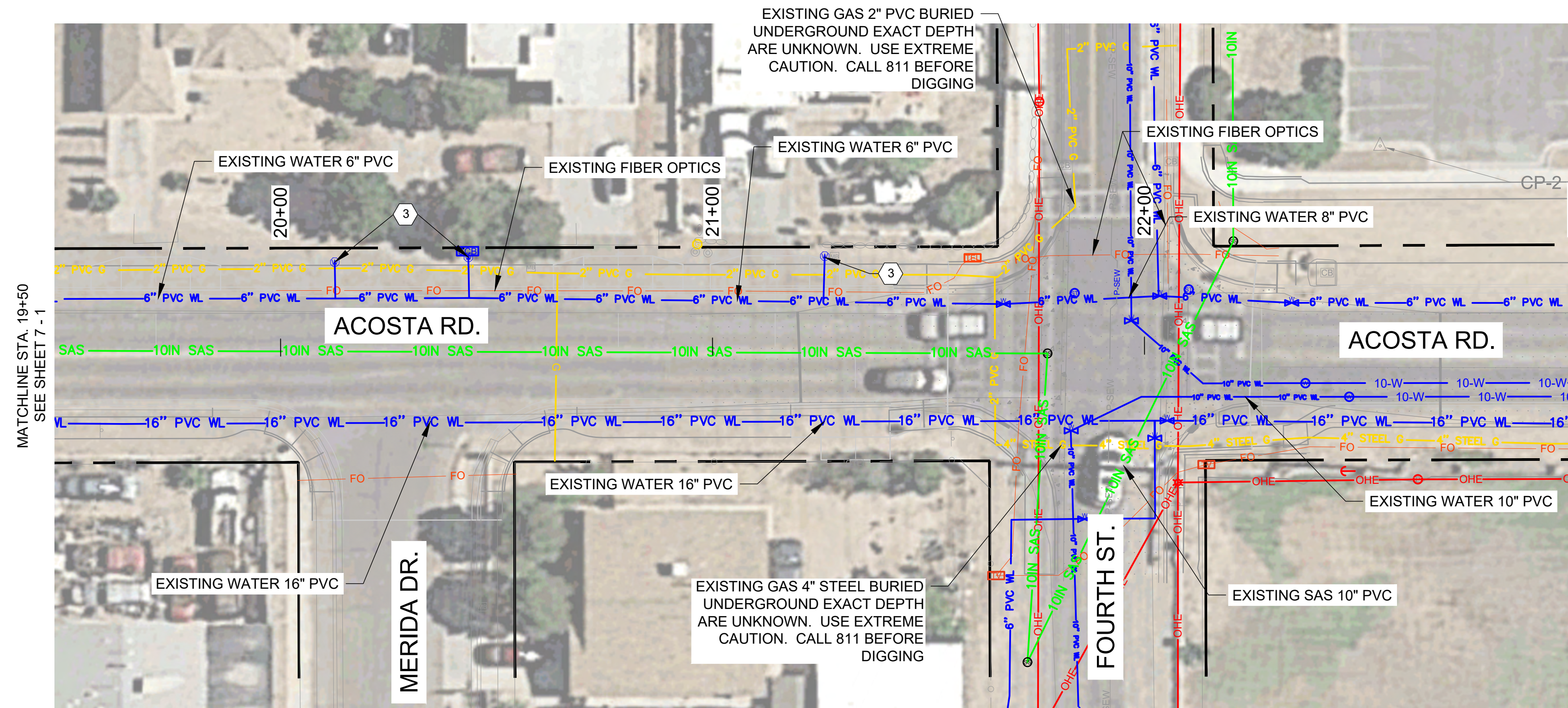


UTILITY CONTACTS

UTILITY COMPANY	CONTACT NAME	PHONE NUMBER	UTILITY SERVICE
ANTHONY WATER & SANITATION DISTRICT	JOSE TERRONES	575-882-3922	WATER
ANTHONY WATER & SANITATION DISTRICT	JOSE TERRONES	575-882-3922	WASTEWATER
EL PASO ELECTRIC	ISMAEAL NAJI	915-543-2294	ELECTRIC
NEW MEXICO GAS COMPANY	GABRIEL ORTIZ	505-697-5408	GAS
CENTURY LINK	RAMON ROMAN	575-640-9152	TELEPHONE

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ACOSTA RD PLAN STA: 19+50 TO 23+00
HORIZONTAL SCALE: 1" = 20'



GENERAL NOTES

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KEYNOTES

- CONTRACTOR TO MAINTAIN AND PROTECT EXISTING POWER POLE.
- ADJUST VALVE BOX TO FINISH GRADE PER SHEET 12-40
- ADJUST MANHOLE TO FINISHED GRADE PER SHEET 12-40
- RELOCATE 6" WATERLINE LATERALLY SEE SHEET ##### DETAIL B1 & SHEET ###.

LEGEND

	CONTROL POINT
	UTILITY, METER, NATURAL GAS
	UTILITY, WATER METER
	MAILBOX
	UTILITY, SANITARY MANHOLE
	UTILITY, WATER VALVE
	SPRINKLER BOX
	GATE
	CABLE TV
	CULVERT
	STONE WALL
	IRON FENCE
	BARB WIRE
	CHAIN LINK FENCE
	4" STEEL GAS
	4" PVC GAS
	2" PVC GAS
	GAS LINE
	ELECTRIC LINE, OVERHEAD
	ELECTRIC LINE, UNDERGROUND
	FIBER OPTICS LINE
	16" WATER LINE
	WATER LINE
	14" WATER LINE
	10" WATER LINE
	6" WATER LINE
	8" WATER LINE
	RIGHT OF WAY
	10" SANITARY SEWER LINE
	COMMUNICATION UNDERGROUND LINE
	TELEPHONE POLE
	CULVERT BOX
	TRANSFORMER BOX
	JUNCTION ELECTRICAL BOX
	POWER POLE
	STORM DRAIN MANHOLE
	FIRE HYDRANT
	BOLLARD
	SITE SIGN
	LIGHT POLE
	GUY WIRE
	POWER BOX
	STORM MANHOLE
	GAS VALVE
	MANHOLE
	RECREATIONAL BENCH
	UTILITY, UNKNOWN MANHOLE
	UTILITY, SANITARY MANHOLE
	UTILITY, MONITOR WELL
	UTILITY, SANITARY CLEANOUT
	ELECTRICAL, POWER POLE
	DRAINAGE, CURB INLET
	DRAINAGE, CATCH BASIN

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CONSULTANTS

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PROJECT NAME
ACOSTA RECONSTRUCTION
PHASE 2
ANTHONY, NEW MEXICO

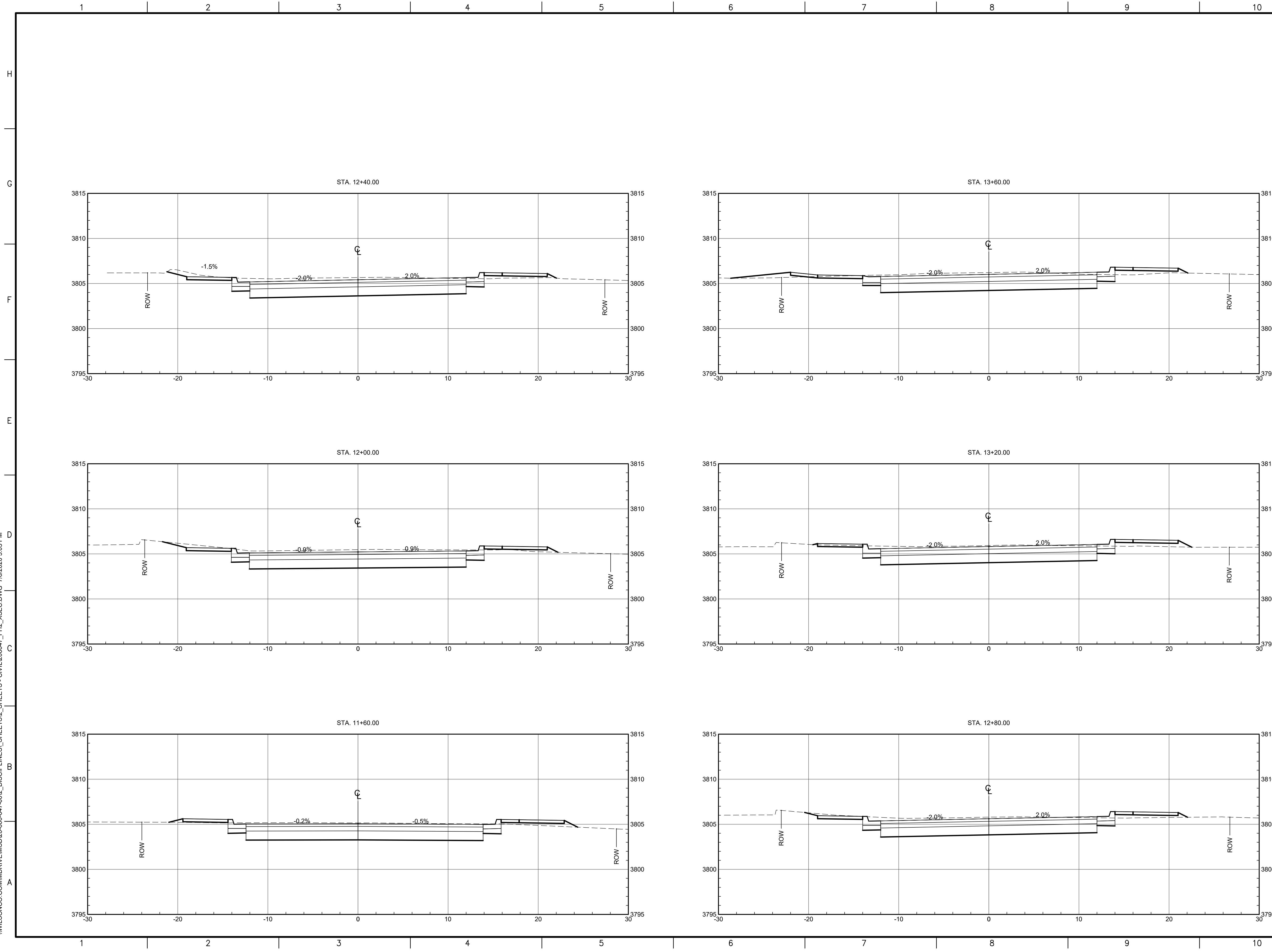
REV.	DATE	DESCRIPTION	BY

PROJECT NO: 20-600-047-00
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CHECKED BY: ---
DATE: JULY 2020

SHEET TITLE
UTILITY PLAN

SHEET NO:
11-2

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CONSULTANTS

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PROJECT NAME

ACOSTA RECONSTRUCTION
 PHASE 2
 ANTHONY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY

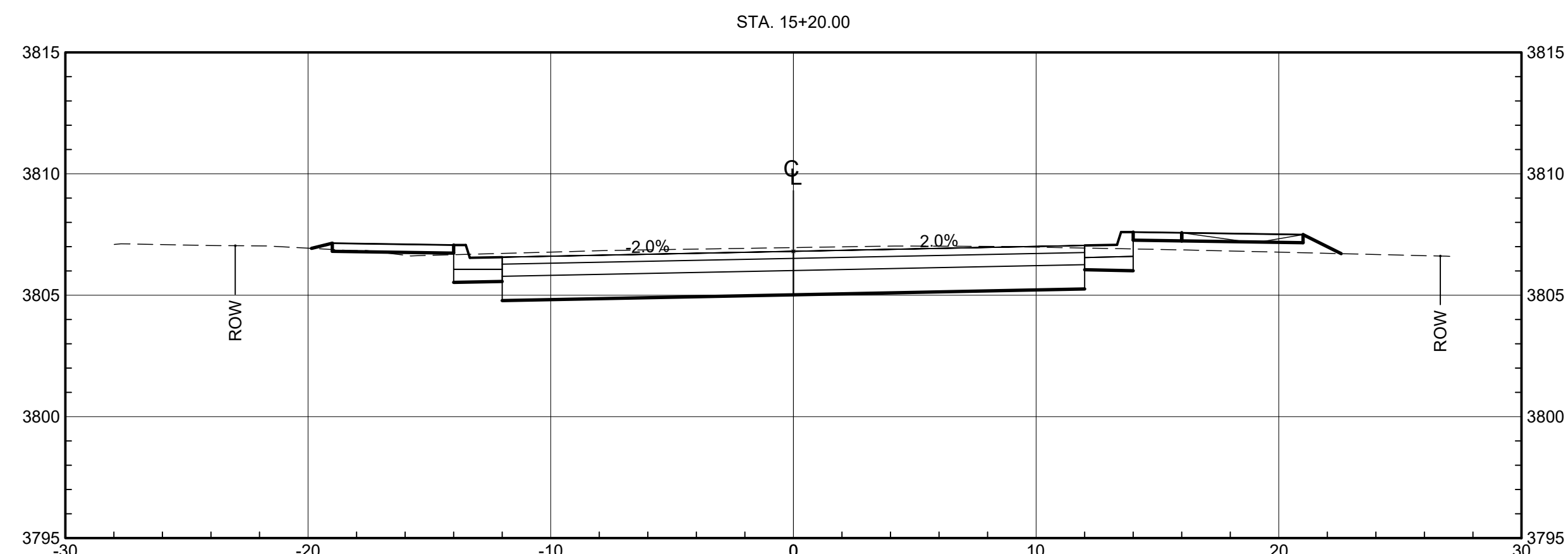
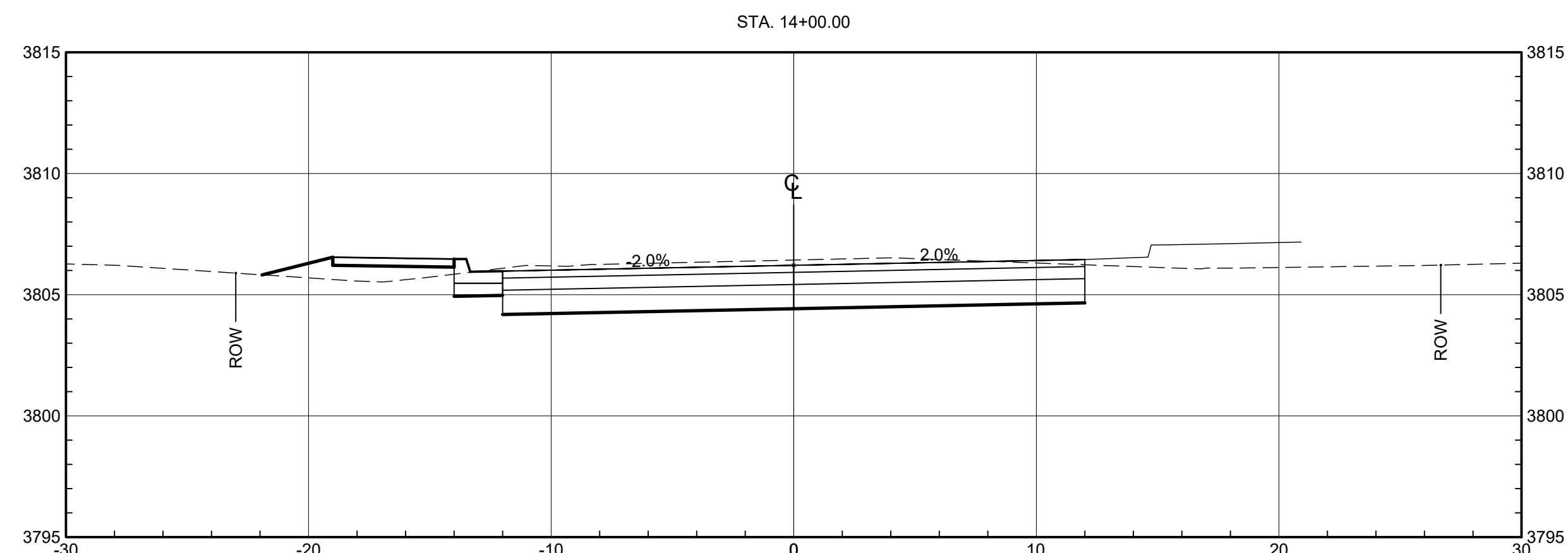
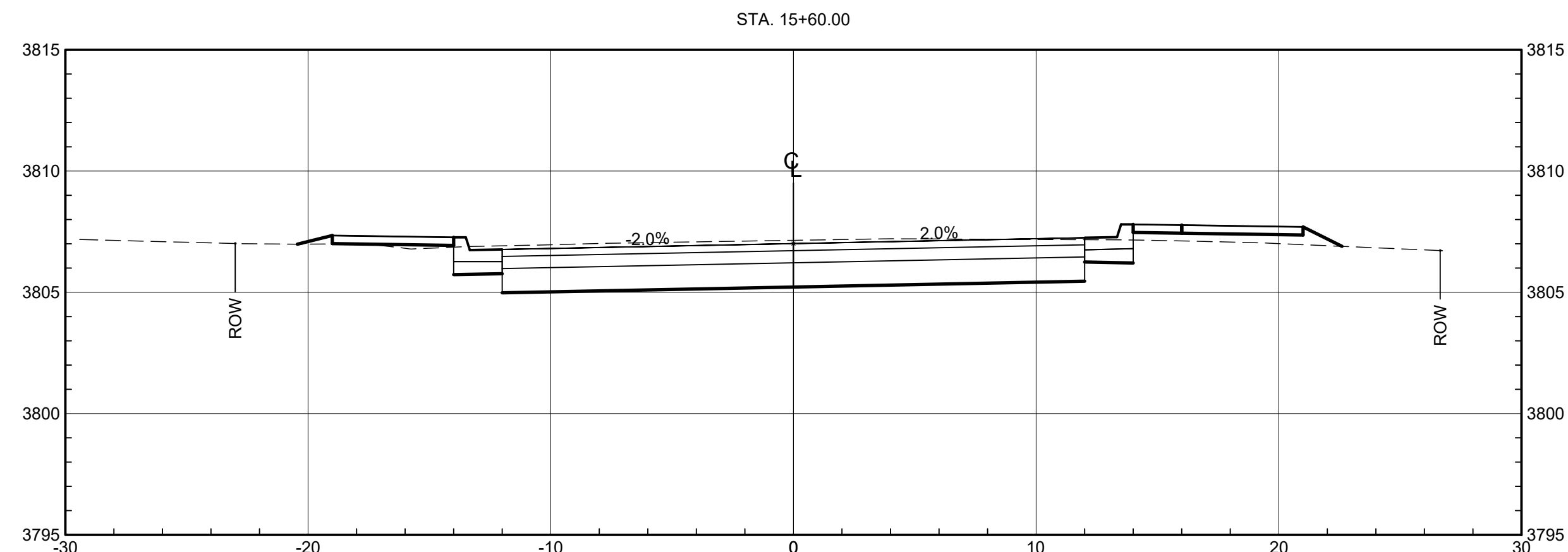
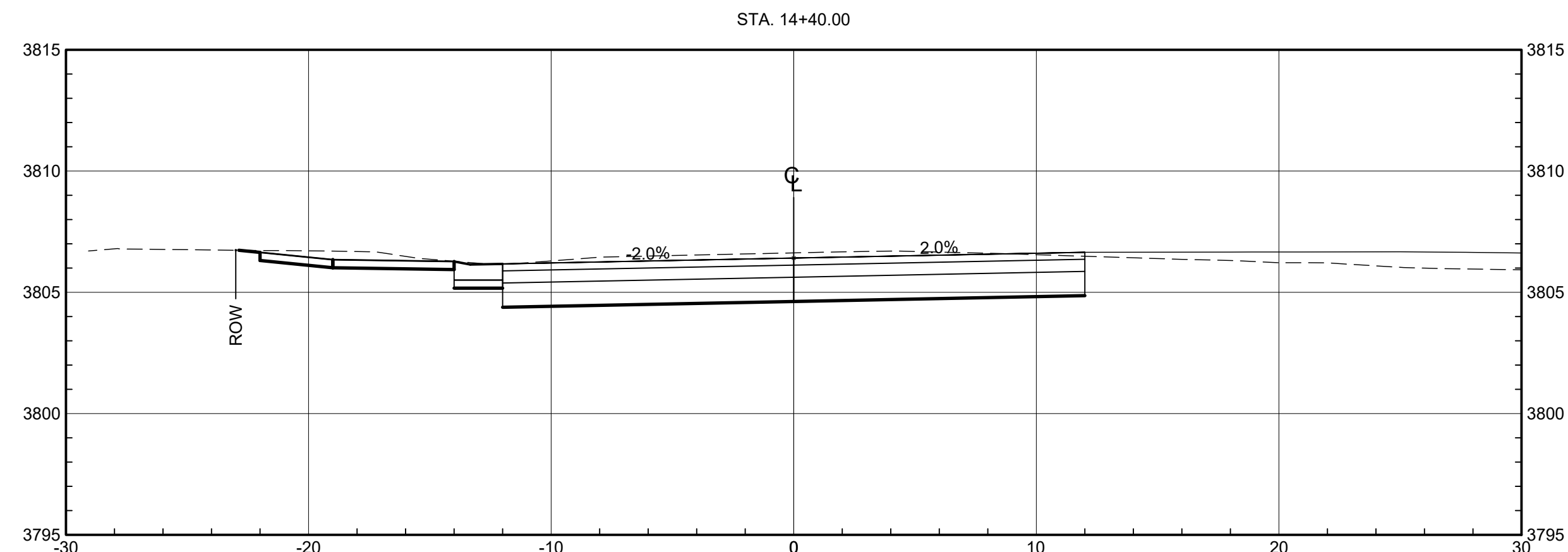
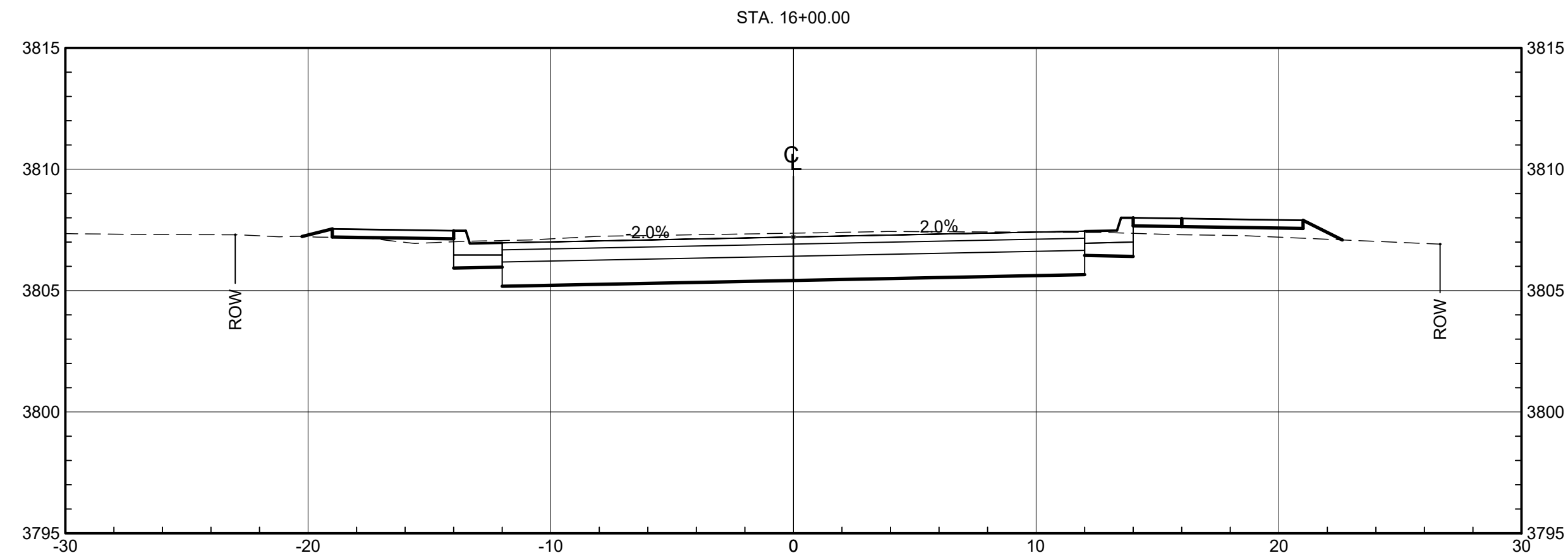
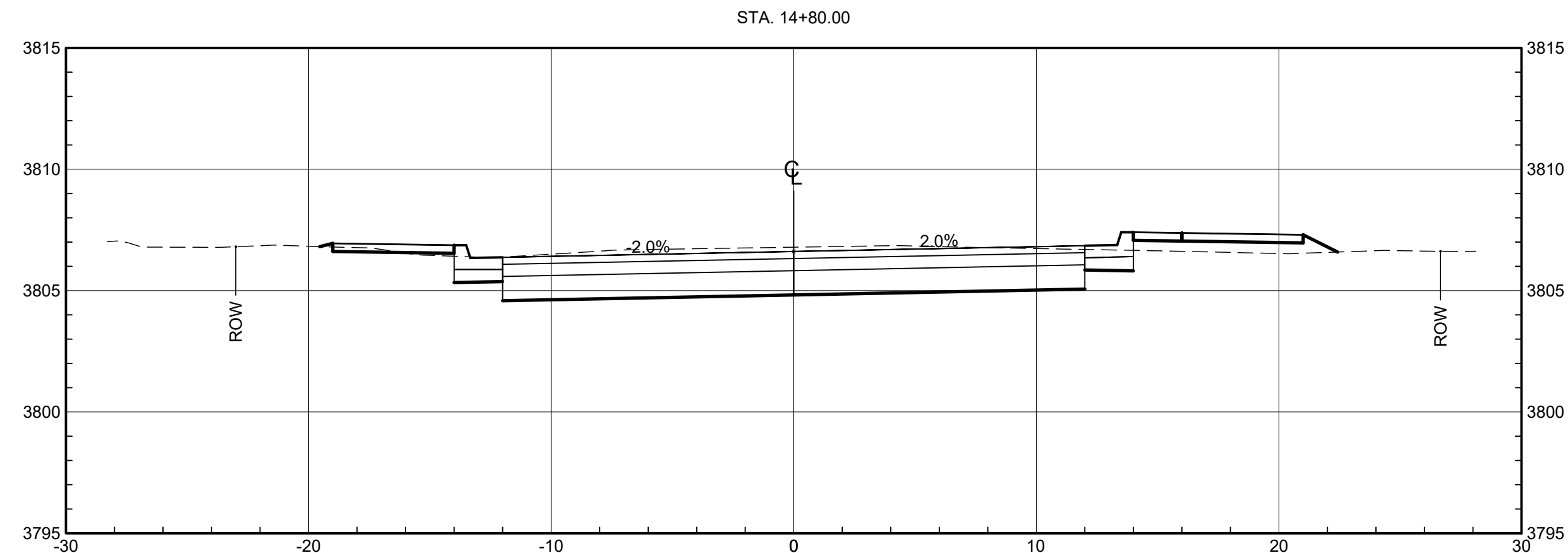
PROJECT NO: 20-600-047-00
 DESIGNED BY: ESH/GAV
 DRAWN BY: GO
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 DATE: JULY 2020

SHEET TITLE
CROSS SECTION

SHEET NO:
13-1

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PROJECT NAME
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REV.	DATE	DESCRIPTION	BY

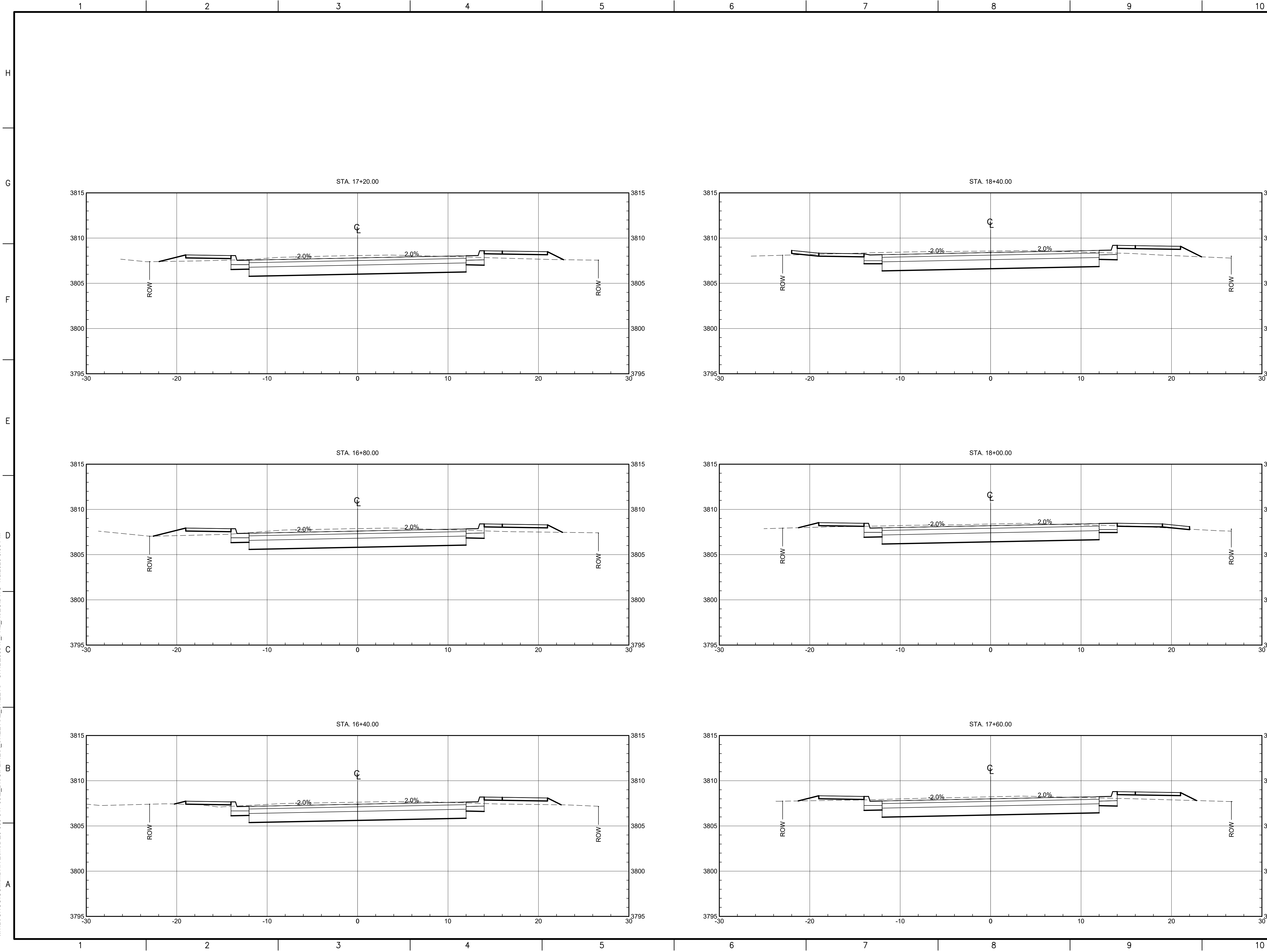
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SHEET TITLE
CROSS SECTION

SHEET NO:
13-2

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SHEET TITLE
CROSS SECTION

SHEET NO:
13-3