

MIDLAND COUNTY

Plans for the Reconstruction of

SOUTH COUNTY ROAD 1110

FROM FARM TO MARKET ROAD 307

TO EAST COUNTY ROAD 120

OWNER:
MIDLAND COUNTY
MIDLAND, TEXAS

ENGINEER:
DUNAWAY ASSOCIATES, LLC.
4000 N. BIG SPRING, SUITE 101
MIDLAND, TEXAS 79705
MAIN: 432-699-4889

UTILITY RELOCATION NOTE:
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES,
TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT
WITH THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL
CONTACT THE APPROPRIATE UTILITY COMPANY AND
COORDINATE THE RELOCATION OF ANY/OR ALL SUCH
UTILITIES (NO SPECIAL PAY).

PROJECT LOCATION



VICINITY MAP

NOT TO SCALE

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19	OVERALL ROADWAY STATIONING	STA 44+00 TO STA 66+00
20	OVERALL ROADWAY STATIONING	STA 66+00 TO STA 88+00
21	OVERALL ROADWAY STATIONING	STA 88+00 TO END
22	PLAN AND PROFILE	STA 00+00 TO STA 11+00
23	PLAN AND PROFILE	STA 11+00 TO STA 22+00
24	PLAN AND PROFILE	STA 22+00 TO STA 33+00
25	PLAN AND PROFILE	STA 33+00 TO STA 44+00
26	PLAN AND PROFILE	STA 44+00 TO STA 55+00
27	PLAN AND PROFILE	STA 55+00 TO STA 66+00
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29	PLAN AND PROFILE	STA 77+00 TO STA 88+00
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32	CULVERT PLAN AND PROFILE	STA 7+50
33	SIGNAGE AND PAVEMENT MARKINGS	STA 0+00 TO STA 22+00
34	SIGNAGE AND PAVEMENT MARKINGS	STA 22+00 TO STA 44+00
35	SIGNAGE AND PAVEMENT MARKINGS	STA 44+00 TO STA 66+00
36	SIGNAGE AND PAVEMENT MARKINGS	STA 66+00 TO STA 88+00
37	SIGNAGE AND PAVEMENT MARKINGS	STA 88+00 TO END


Brian W. Adkins
 PROJECT ENGINEER
 JULY 16, 2025
 DATE



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FULL PRINT: P:\10160011617\001\DWG\CAD\Final_Sheets\01160011617\001\CAD\01160011617_Sheet1.COVER

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PLOTTER: HP DesignJet 5000
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PLANS FOR THE RECONSTRUCTION OF S.C.R. 1110 TO SERVE:
FROM FARM TO MARKET ROAD 307 TO EAST COUNTY ROAD 120
MIDLAND COUNTY, TEXAS



WARNING TO CONTRACTOR:

CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. DUNAWAY ASSOC., LLC, IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

CRITICAL:

LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

UTILITY RELOCATION NOTE:

IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

STATE PLANE COORDINATE NOTE:

COORDINATES PROVIDED ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), CENTRAL ZONE 4203; ALL COORDINATES, BEARINGS, AND DISTANCES ARE NAD83 GRID VALUES.

OFF-SITE BENCHMARK INFORMATION:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

GENERAL NOTES:

- DIMENSIONS AND COORDINATES PROVIDED INDICATE THE DESIGN INTENT OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY INCONSISTENCIES OR DISCREPANCIES FOUND DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES DURING CONSTRUCTION LAYOUT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO AND THROUGHOUT CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION PHASE SURVEYING INCLUDING LOCATING AND VERIFYING PROJECT BENCHMARKS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE CONSTRUCTION RECORDS. THE CONTRACTOR SHALL PROVIDE CLEAN AND ACCURATE FULL-SIZE RECORD DRAWINGS WHICH CLEARLY DESCRIBE ANY DEVIATIONS FROM THE PLANS.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING, IN ORDER OF PRECEDENCE, (1) DETAILS SHOWN IN THESE PLANS AND SPECIFICATIONS, (2) TEXAS DEPARTMENT OF TRANSPORTATION - "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAY, STREETS AND BRIDGES."
- IN AREAS WHICH ARE TO REMAIN UNDISTURBED, THE CONTRACTOR SHALL PRESERVE, PROTECT AND/OR RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO ORIGINAL CONDITION OR BETTER AT THE EXPENSE OF THE CONTRACTOR.
- IN THE EVENT THAT EXISTING PRIVATE UTILITY SERVICES SUCH AS WATER, GAS, TELEPHONE, ELECTRIC, ETC. MUST BE TAKEN OUT OF SERVICE TO FACILITATE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITIES TO THE SATISFACTION OF THE OWNER.
- THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION SAFETY.
- THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS, AND IF DISTURBED, THEY SHALL BE RESET AT THE EXPENSE OF THE CONTRACTOR.
- IN THE EVENT THAT OTHER CONTRACTORS ARE DOING WORK IN THE SAME AREA SIMULTANEOUSLY WITH THIS PROJECT, THE CONTRACTOR SHALL COORDINATE HIS PROPOSED CONSTRUCTION WITH THAT OF THE OTHER CONTRACTORS.
- ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING UNSUITABLE SPOIL MATERIAL, REFUSE AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY REMOVED & DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT.
- THE CONTRACTOR SHALL MAKE A FINAL CLEAN-UP OF ALL PARTS OF THE WORK AND PREPARE THE SITE IN AN ORDERLY MANNER OF APPEARANCE BEFORE ACCEPTANCE BY THE COUNTY.
- HAUL ROADS, ACCESS ROUTES AND THE LOCATION OF ALL STAGING AREAS AND STORAGE AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY.
- BEYOND ENGINEERING AND TESTING, LLC (BEYOND) HAS MADE AN INVESTIGATION OF SUBSURFACE SOIL CONDITIONS OF THE PROJECT SITE IN THEIR REPORT PROJECT NO. GT2405024, DATED JULY 30, 2024, AND IS REFERENCED IN THE CONSTRUCTION DOCUMENTS AS "GEOTECHNICAL REPORT".
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION AS REQUIRED BY THE COUNTY AND STATE IN WHICH THE PROJECT IS LOCATED.
- CONTRACTOR SHALL PREPARE, FURNISH, MAINTAIN, AND REMOVE ALL TRAFFIC CONTROL DEVICES THROUGHOUT CONSTRUCTION. ALL DEVICES SHALL BE IN CONFORMANCE WITH THE TEXAS MUTCD, LATEST EDITION AS CURRENTLY AMENDED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ROAD AND DRIVEWAY CLOSURES WITH THE OWNER AND AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL AND SEQUENCING PLAN WITH SUBMISSION OF THE BID PACKET. THIS PLAN WILL BE REVIEWED FOR APPROVAL AND AS PART OF THE ASSESSMENT FOR AWARD OF BID. ROAD CLOSURES WILL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE COUNTY UPON APPROVAL OF SUBMITTED TRAFFIC CONTROL AND SEQUENCING PLAN.
- NO SPECIAL PAY FOR TRAFFIC CONTROL ITEMS NOT INCLUDED IN TRAFFIC CONTROL BID. ANY MATERIALS NEEDED FOR TRAFFIC CONTROL SHALL BE INCLUDED IN THE TRAFFIC CONTROL BID ITEM. COUNTY SHALL NOT PROVIDE ANY ASPECTS OF TRAFFIC CONTROL, SEQUENCING, OR ALTERNATIVE ROUTES.
- CONTRACTOR TO REMOVE AND REINSTALL MAILBOXES, AS NEEDED, TO COMPLY WITH THE DETAIL. FOR DECORATIVE MAILBOXES, THE CONTRACTOR SHALL NOTIFY THE LANDOWNER THAT THEIR MAILBOX WILL BE RELOCATED AND REINSTALLED ON A STANDARD POST, MEETING THE REQUIREMENTS STATED HEREIN. THE CONTRACTOR WILL COORDINATE WITH THE LANDOWNER FOR REMOVAL OF MATERIALS. ANY WORK THE CONTRACTOR COORDINATES TO REINSTALL A MAILBOX WITH DECORATIVE MATERIALS SHALL BE AT THE EXPENSE OF THE CONTRACTOR OR LANDOWNER.

EROSION CONTROL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A SWPPP, ALL NECESSARY PERMITS AND APPROVALS, AND MAINTAINING COMPLIANCE WITH THE GENERAL PERMIT.
- EROSION CONTROL MEASURES SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE. ANY CHANGES TO THE SWPPP SHALL SUPERSEDE THE EROSION CONTROL PLAN. THE SWPPP IS TO BE KEPT ON-SITE AT ALL TIMES WITH THESE CONSTRUCTION DOCUMENTS AS NECESSARY FOR COMPLIANCE WITH THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES) GENERAL PERMIT.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, ROUTINE INSPECTION AND/OR MAINTENANCE OF EROSION CONTROL DEVICES.
- THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ACCEPTABLE VEGETATION COVERAGE HAS BEEN ACHIEVED IN ACCORDANCE WITH THE GENERAL PERMIT.
- ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO COMPLY WITH THE SWPPP OR TCEQ STORMWATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT HIS EXPENSE.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR AT LEAST FOURTEEN DAYS SHALL BE TEMPORARILY SEEDED AND WATERED. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED/SODDED WITHIN SEVEN DAYS IN ACCORDANCE WITH THE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING SEEDED/SODDED AREAS AS NECESSARY UNTIL 70% VEGETATION IS ESTABLISHED IN ACCORDANCE WITH THE PLANS.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EROSION CONTROL MEASURES ONCE FINAL GROUND STABILIZATION IS ACHIEVED AND THE PROJECT IS COMPLETED.

DEMOLITION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING OF EXISTING STRUCTURES, UTILITIES, PAVEMENT, TREES, ETC., WITHIN CONSTRUCTION LIMITS AS SHOWN ON PLANS, IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES AT CONTRACTOR'S EXPENSE. AREAS WHERE MATERIAL HAS BEEN REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT BACK UP TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL IN ACCORDANCE WITH GEO TECHNICAL REPORT.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
- PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
- THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES/FLOWLINES.
- CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
- CONTRACTOR MAY LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
- ALL FENCES REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED AT THE EXISTING OR PROPOSED LOCATION AS DIRECTED BY THE COUNTY.

GRADING NOTES:

- THE AREA TO BE GRADED SHOULD BE STRIPPED OF VEGETATION, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIALS.
- CONSTRUCTION SHALL BE BASED ON ELEVATIONS SHOWN ON THE ROADWAY PLAN & PROFILE SHEETS PLAN. CONTOURS ARE A VISUAL REPRESENTATION OF FINISHED GRADE ONLY AND ARE NOT INTENDED TO BE USED TO SET GRADE.
- SLOPES ON SITE SHALL NOT EXCEED A 3:1 SLOPE, UNLESS NOTED OTHERWISE.
- ANY COSTS ASSOCIATED WITH DEWATERING THE SITE SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AND CONSTRUCT SMOOTH TRANSITIONS AT CONNECTIONS TO EXISTING PAVEMENT.

UTILITY NOTES:

- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES UNLESS NOTED OTHERWISE.
- CONTRACTOR TO COORDINATE WITH UTILITY OWNERS FOR VERTICAL ADJUSTMENTS TO, AND NEAR, THEIR FACILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY DEPTH OF ALL EXISTING PIPELINES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY HEIGHT CLEARANCE ON ALL OVERHEAD UTILITIES PRIOR TO CONSTRUCTION.

ON-SITE BENCHMARKS:

- CP-100: A 5/8-INCH IRON ROD WITH RED CAP LOCATED 65 FEET SOUTH OF THE CENTERLINE OF EAST COUNTY ROAD 120, APPROXIMATELY 235 FEET EAST OF MONAHAN'S DRAW, BEING LOCATABLE BY NAD83 GRID COORDINATES N: 10,689,655.68; E: 1,797,130.16. HAVING AN ELEVATION OF 2,701.25 FEET.
- CP-101: A 5/8-INCH IRON ROD WITH RED CAP LOCATED 38 FEET SOUTH OF THE CENTERLINE OF EAST COUNTY ROAD 120, 75 FEET EAST OF ITS INTERSECTION WITH COUNTY ROAD 1130, BEING LOCATABLE BY NAD83 GRID COORDINATES N: 10,687,658.27; E: 1,789,257.04. HAVING AN ELEVATION OF 2,718.17 FEET.
- CP-102: A 5/8-INCH IRON ROD WITH RED CAP LOCATED 48 FEET SOUTH OF THE CENTERLINE OF EAST COUNTY ROAD 120, APPROXIMATELY 1/2 MILE EAST OF ITS INTERSECTION WITH COUNTY ROAD 1110, BEING LOCATABLE BY NAD83 GRID COORDINATES N: 10,690,975.94; E: 1,802,276.18. HAVING AN ELEVATION OF 2,706.73 FEET.
- CP-120: A 5/8-INCH IRON ROD WITH RED CAP LOCATED 76 FEET EAST OF THE CENTERLINE OF COUNTY ROAD 1110, APPROXIMATELY 3,100 FEET NORTH OF ITS INTERSECTION WITH COUNTY ROAD 120, BEING LOCATABLE BY NAD83 GRID COORDINATES N: 10,693,369.74; E: 1,798,762.20. HAVING AN ELEVATION OF 2,722.65 FEET.
- CP-121: A 5/8-INCH IRON ROD WITH RED CAP LOCATED 77 FEET WEST OF THE CENTERLINE OF COUNTY ROAD 1110, APPROXIMATELY 2,850 FEET SOUTH OF ITS INTERSECTION WITH FM 307, BEING LOCATABLE BY NAD83 GRID COORDINATES N: 10,697,829.52; E: 1,797,458.42. HAVING AN ELEVATION OF 2,730.61 FEET.
- CP-122: A 5/8-INCH IRON ROD WITH RED CAP LOCATED 51 FEET WEST OF THE CENTERLINE OF COUNTY ROAD 1110, APPROXIMATELY 350 FEET NORTH OF ITS INTERSECTION WITH FM 307, BEING LOCATABLE BY NAD83 GRID COORDINATES N: 10,701,000.76; E: 1,796,669.76. HAVING AN ELEVATION OF 2,743.82 FEET.

OFF-SITE BENCHMARKS:

NGS BENCHMARK T1189, A BRASS DISK SET IN CONCRETE STAMPED 'T 1189 1967', LOCATED 38 FEET NORTH OF THE CENTERLINE OF WEST COUNTY ROAD 180 AND 150 FEET WEST OF THE CENTERLINE OF STATE HIGHWAY 349, BEING LOCATABLE BY NAD83 GRID COORDINATES N: 10,648,880.14; E: 1,765,914.09 AND HAVING A PUBLISHED NAVD83 ELEVATION OF 2,765.53 FEET

PROPOSED PLAN LEGEND		EXISTING CONDITIONS LEGEND	
	PROPOSED ROAD CENTERLINE		RIGHT-OF-WAY
	PROPOSED MAJOR CONTOUR		PROPERTY BOUNDARY
	PROPOSED MINOR CONTOUR		ADJOINER
	FULL-DEPTH ROADWAY SAWCUT		ABSTRACT
	FULL-DEPTH DRIVEWAY SAWCUT		EXISTING MAJOR CONTOUR
	PROPOSED EDGE OF ASPHALT		EXISTING MINOR CONTOUR
	PROPOSED DITCH CENTERLINE		EXISTING EDGE OF ASPHALT
	PROPOSED PROFILE LEFT DITCH FLOW LINE		EXISTING CURB
	PROPOSED PROFILE RIGHT DITCH FLOW LINE		EXISTING FENCE
	PROPOSED CULVERT		EXISTING FLOODPLAIN BOUNDARY
	PROPOSED ASPHALT		EXISTING AT&T
	PROPOSED CONCRETE		EXISTING CABLE
	PROPOSED DRIVEWAY BASE		EXISTING COMMUNICATION
	CONTROL POINT		EXISTING DRAINAGE PIPE
	EASTING		EXISTING OVERHEAD ELECTRIC
	NORTHING		EXISTING UNDERGROUND ELECTRIC
	ELEVATION		EXISTING FIBER-OPTIC CABLE
	CENTERLINE		EXISTING FORCE MAIN
	LEFT		EXISTING GAS LINE
	RIGHT		EXISTING IRRIGATION
	POINT OF CURVATURE		EXISTING OVERHEAD LINES
	POINT OF CONTINUOUS CURVATURE		EXISTING UNDERGROUND PIPELINE
	POINT OF INTERSECTION		EXISTING SANITARY SEWER
	POINT OF REVERSE CURVATURE		EXISTING STORM DRAIN
	POINT OF TANGENCY		EXISTING TELEPHONE LINE
	RADIUS		EXISTING WATER LINE
	EXISTING GRADE		EXISTING SIGN
	FLOWLINE		EXISTING UTILITY SIGN
	MATCH EXISTING		EXISTING BOLLARD/FENCE POST
	PROPOSED GRADE LINE		EXISTING MAILBOX
	POINT OF VERTICAL INTERSECTION		EXISTING TREE
			EXISTING CABLE BOX
			EXISTING PEDESTAL CABLE
			EXISTING ELECTRICAL BOX
			EXISTING PEDESTAL ELECTRIC
			EXISTING ELECTRIC VAULT
			EXISTING LIGHT POLE
			EXISTING GAS MANHOLE
			EXISTING GAS VALVE
			EXISTING GAS METER
			EXISTING PEDESTAL GAS
			EXISTING GUY WIRE
			EXISTING UTILITY POLE
			EXISTING SANITARY SEWER MANHOLE
			EXISTING CLEANOUT
			EXISTING STORM DRAIN MANHOLE
			EXISTING PEDESTAL TELEPHONE
			EXISTING PEDESTAL UNKNOWN
			EXISTING FIRE HYDRANT
			EXISTING WATER METER
			EXISTING WATER MANHOLE
			EXISTING WATER VALVE
			EXISTING ASPHALT TO BE DEMOLISHED
			EXISTING CONCRETE TO BE DEMOLISHED
			EXISTING GRAVEL TO BE DEMOLISHED

FILE NAME: G:\Projects\2024\1110\1110.ctb; PLOT DATE: 11/18/2025 11:17:05 AM; PLOTTER: HP DesignJet T1100; PLOT SIZE: 11x17; PLOT SCALE: 1:1; PLOT SHEET: 1 OF 1; PLOT STATUS: SUCCESS; PLOT USER: Administrator; PLOT DEVICE: HP DesignJet T1100; PLOT COMMAND: net plot -s 11x17 -p HP DesignJet T1100 -o G:\Projects\2024\1110\1110.ctb -u Administrator -v 11/18/2025 11:17:05 AM -m 1:1 -n 1 OF 1 -x 11.69 -y 17.0 -z 0.0 -w 0.0 -c 0.0 -d 0.0 -e 0.0 -f 0.0 -g 0.0 -h 0.0 -i 0.0 -j 0.0 -k 0.0 -l 0.0 -m 0.0 -n 0.0 -o 0.0 -p 0.0 -q 0.0 -r 0.0 -s 0.0 -t 0.0 -u 0.0 -v 0.0 -w 0.0 -x 0.0 -y 0.0 -z 0.0 -aa 0.0 -ab 0.0 -ac 0.0 -ad 0.0 -ae 0.0 -af 0.0 -ag 0.0 -ah 0.0 -ai 0.0 -aj 0.0 -ak 0.0 -al 0.0 -am 0.0 -an 0.0 -ao 0.0 -ap 0.0 -aq 0.0 -ar 0.0 -as 0.0 -at 0.0 -au 0.0 -av 0.0 -aw 0.0 -ax 0.0 -ay 0.0 -az 0.0 -ba 0.0 -bb 0.0 -bc 0.0 -bd 0.0 -be 0.0 -bf 0.0 -bg 0.0 -bh 0.0 -bi 0.0 -bj 0.0 -bk 0.0 -bl 0.0 -bm 0.0 -bn 0.0 -bo 0.0 -bp 0.0 -bq 0.0 -br 0.0 -bs 0.0 -bt 0.0 -bu 0.0 -bv 0.0 -bw 0.0 -bx 0.0 -by 0.0 -bz 0.0 -ca 0.0 -cb 0.0 -cc 0.0 -cd 0.0 -ce 0.0 -cf 0.0 -cg 0.0 -ch 0.0 -ci 0.0 -cj 0.0 -ck 0.0 -cl 0.0 -cm 0.0 -cn 0.0 -co 0.0 -cp 0.0 -cq 0.0 -cr 0.0 -cs 0.0 -ct 0.0 -cu 0.0 -cv 0.0 -cw 0.0 -cx 0.0 -cy 0.0 -cz 0.0 -da 0.0 -db 0.0 -dc 0.0 -dd 0.0 -de 0.0 -df 0.0 -dg 0.0 -dh 0.0 -di 0.0 -dj 0.0 -dk 0.0 -dl 0.0 -dm 0.0 -dn 0.0 -do 0.0 -dp 0.0 -dq 0.0 -dr 0.0 -ds 0.0 -dt 0.0 -du 0.0 -dv 0.0 -dw 0.0 -dx 0.0 -dy 0.0 -dz 0.0 -ea 0.0 -eb 0.0 -ec 0.0 -ed 0.0 -ee 0.0 -ef 0.0 -eg 0.0 -eh 0.0 -ei 0.0 -ej 0.0 -ek 0.0 -el 0.0 -em 0.0 -en 0.0 -eo 0.0 -ep 0.0 -eq 0.0 -er 0.0 -es 0.0 -et 0.0 -eu 0.0 -ev 0.0 -ew 0.0 -ex 0.0 -ey 0.0 -ez 0.0 -fa 0.0 -fb 0.0 -fc 0.0 -fd 0.0 -fe 0.0 -ff 0.0 -fg 0.0 -fh 0.0 -fi 0.0 -fj 0.0 -fk 0.0 -fl 0.0 -fm 0.0 -fn 0.0 -fo 0.0 -fp 0.0 -fq 0.0 -fr 0.0 -fs 0.0 -ft 0.0 -fu 0.0 -fv 0.0 -fw 0.0 -fx 0.0 -fy 0.0 -fz 0.0 -ga 0.0 -gb 0.0 -gc 0.0 -gd 0.0 -ge 0.0 -gf 0.0 -gg 0.0 -gh 0.0 -gi 0.0 -gj 0.0 -gk 0.0 -gl 0.0 -gm 0.0 -gn 0.0 -go 0.0 -gp 0.0 -gq 0.0 -gr 0.0 -gs 0.0 -gt 0.0 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-AB 0.0 -AC 0.0 -AD 0.0 -AE 0.0 -AF 0.0 -AG 0.0 -AH 0.0 -AI 0.0 -AJ 0.0 -AK 0.0 -AL 0.0 -AM 0.0 -AN 0.0 -AO 0.0 -AP



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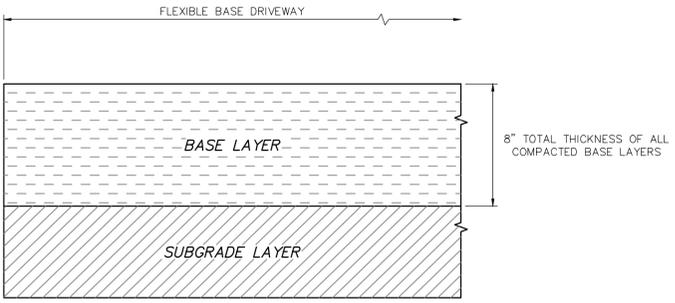
CRITICAL:
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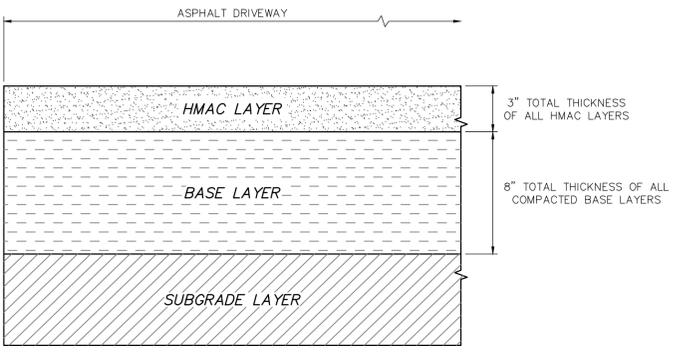
STATE PLANE COORDINATE NOTE:
COORDINATES PROVIDED ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), CENTRAL ZONE 4203; ALL COORDINATES, BEARINGS, AND DISTANCES ARE NAD83 GRID VALUES.

OFF-SITE BENCHMARK INFORMATION:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

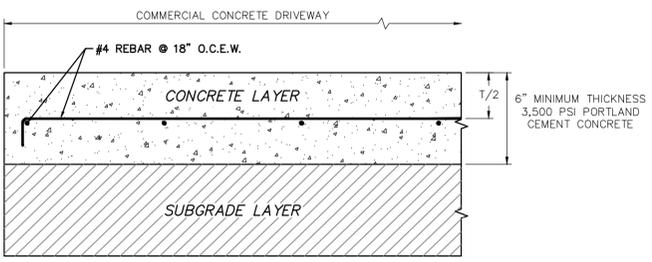
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



TYPICAL FLEXIBLE BASE DRIVEWAY SECTION
NOT TO SCALE



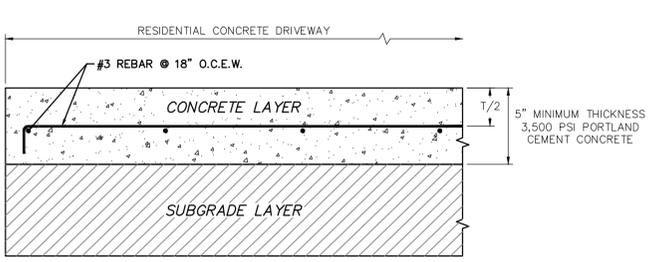
TYPICAL ASPHALT DRIVEWAY SECTION
NOT TO SCALE



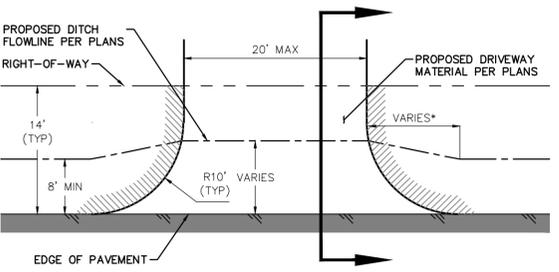
COMMERCIAL

TYPICAL CONCRETE DRIVEWAY SECTIONS
NOT TO SCALE

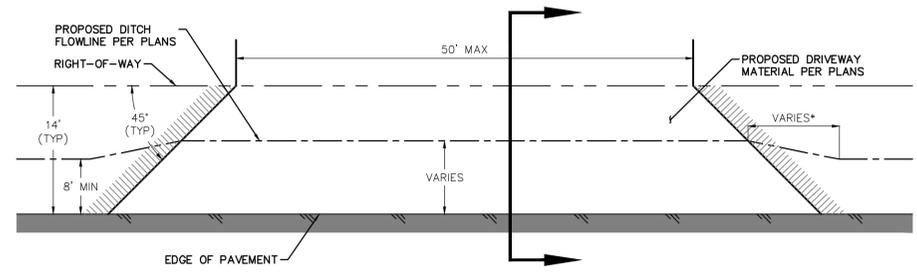
NOTE:
CONTRACTOR TO FOLLOW TYPICAL CONCRETE SECTIONS SHEET FOR JOINTING DETAILS AND NOTES.



RESIDENTIAL



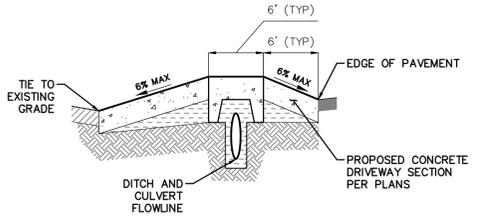
RESIDENTIAL PLAN VIEW



COMMERCIAL PLAN VIEW

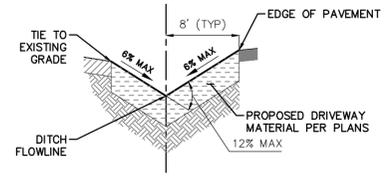
VARIES* - LENGTH TO PROVIDE A SMOOTH TRANSITION IN DITCH CENTERLINE. TYPICAL LENGTH OF 5' FOR EVERY 1' OF HORIZONTAL ADJUSTMENT (5:1).

TYPICAL DRIVEWAYS
NOT TO SCALE



CULVERT DRIVEWAY SECTION

- NOTES:
1. CONCRETE SECTION TO FOLLOW TYPICAL CONCRETE DRIVEWAY SECTIONS DETAIL, THIS SHEET.
 2. CONCRETE SECTION SHALL USE FOOTERS TO SPAN THE CULVERT(S) DITCH, PLACED ON UNDISTURBED SUB-GRADE OR COMPACTED BASE MATERIALS.
 3. MINIMUM CULVERT SIZE SHALL BE 12" OR EQUIVALENT.
 4. CULVERT MATERIAL SHALL BE REINFORCED CONCRETE, HIGH-DENSITY POLYETHYLENE, OR CORRUGATED METAL.
 5. CULVERT COVER SHALL MEET OR EXCEED MINIMUM PER MATERIAL MANUFACTURER OR 1-FOOT, WHICHEVER IS LESS.
 6. CULVERT COVER MAY BE REDUCED WITH USE OF RCP CLASS IV OR CONCRETE ENCASEMENT A MINIMUM OF 6-INCHES FROM OUTSIDE EDGE OF PIPE TO TRENCH WALLS.
 7. CULVERTS SHALL BE PLACED TO MAINTAIN POSITIVE DRAINAGE ALONG PROPERTY FRONTAGE.
 8. CONTRACTOR TO INSTALL SAFETY END TREATMENTS FOLLOWING TxDOT DETAIL SETP-PD, WHERE PRACTICABLE. IF A SETP-PD IS NOT FEASIBLE, CONTRACTOR TO INSTALL A SAFETY END TREATMENT FOR PIPE CULVERTS FROM TxDOT'S BRIDGE STANDARD DETAILS.
 9. MAXIMUM SLOPES OF THE DRIVEWAY MATERIALS FOR GRADES SHALL BE 8:1 IN ANY DIRECTION.



INVERTED FLOWLINE DRIVEWAY SECTION

- NOTES:
1. FLOW LINE FOR ROAD DITCH SHALL REMAIN WITHIN THE R.O.W.
 2. CONTRACTOR TO FIELD FIT DRIVEWAY FROM FLOW LINE TO CURRENT CONDITIONS ALONG THE R.O.W.
 3. IF DITCH CANNOT BE ACCOMMODATED WITHIN THE R.O.W. AT THE DEPTHS SHOWN ON THE PLAN AND PROFILE SHEETS, CONTRACTOR MAY INSTALL CULVERT(S) FOLLOWING THE CULVERT DRIVEWAY SECTION PER THIS DETAIL.

TYPICAL DRIVEWAY CROSS-SECTION
NOT TO SCALE

NO.	REVISION	BY	DATE

TKS	DESIGNED	TKS	DRAWN	BWA	CHECKED

MIDLAND COUNTY
MIDLAND, TEXAS

SCALE
HORIZ N/A
VERT N/A
DATE
JUNE 2025

DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
[TX REG. F-1114]

STATE OF TEXAS
BRIAN W. ADKINS
100284
LICENSED PROFESSIONAL ENGINEER
PROJECT ENGINEER
Brian W. Adkins
JUNE 18, 2025
DATE

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1110
MIDLAND COUNTY, TEXAS
TYPICAL DRIVEWAY SECTIONS

DA PROJECT B011617.001
SHEET 4

FILE NAME: TYPICAL_DRIVEWAY_SECTIONS.dwg
PLOTTER BY: Alvaro Arana
PLOT DATE: 6/18/2025 11:25 AM



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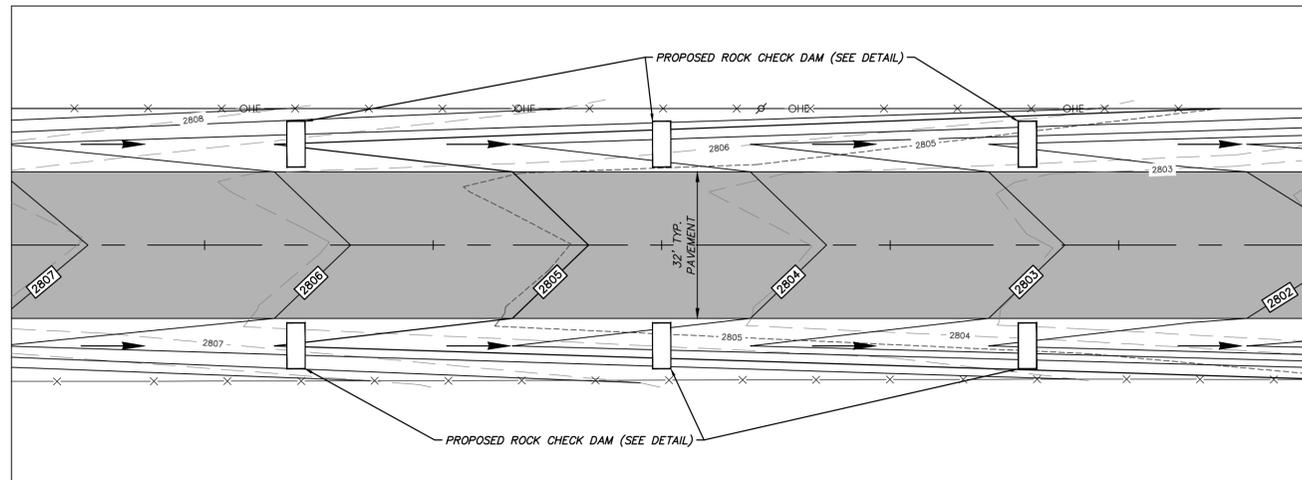
OFF-SITE BENCHMARK INFORMATION:

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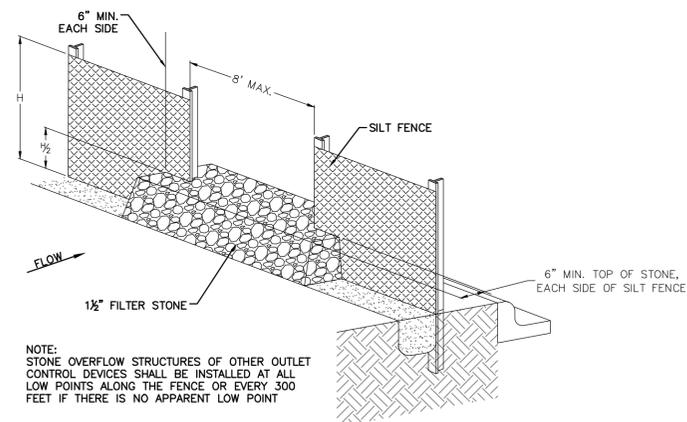
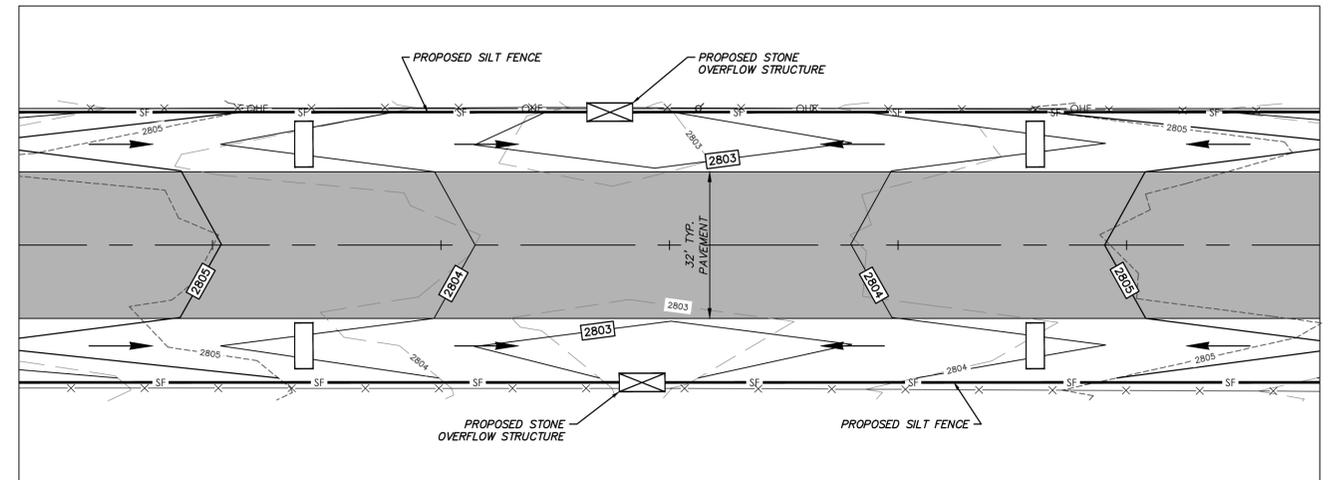
BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

TYPICAL EROSION CONTROL PLAN WITH ROADWAY DITCHES



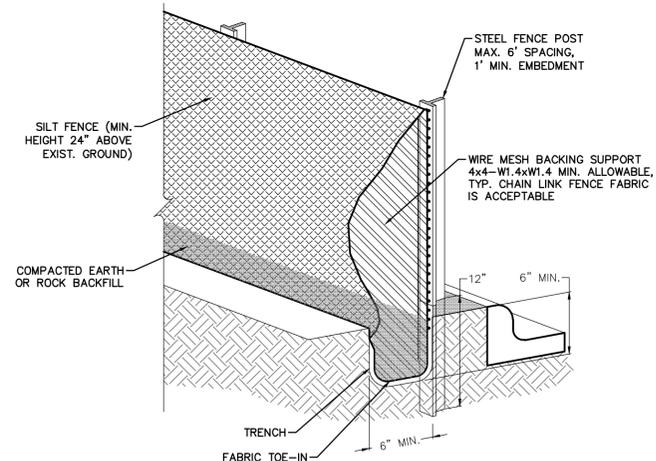
TYPICAL EROSION CONTROL PLAN WITH DRAINAGE EXITING R.O.W.



SILT FENCE STONE OVERFLOW STRUCTURE
NOT TO SCALE

SILT FENCE GENERAL NOTES:

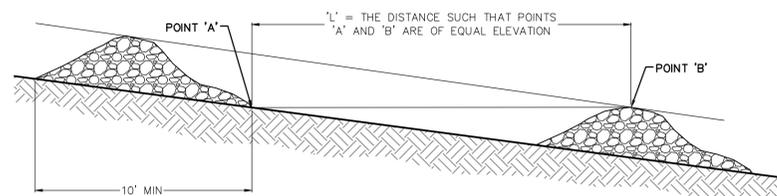
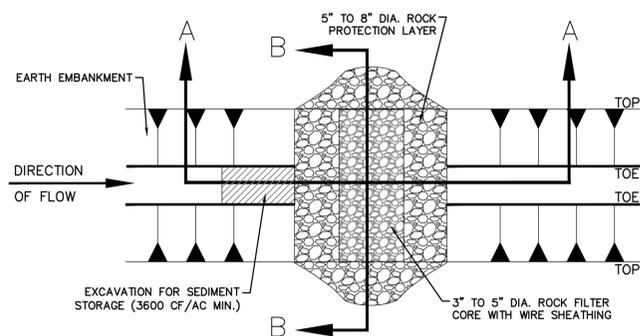
- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.



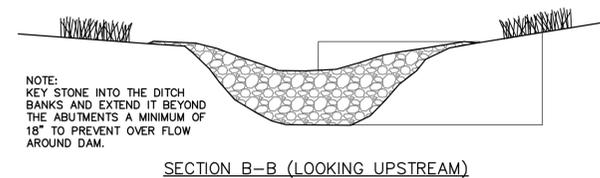
SILT FENCE
NOT TO SCALE

NOTES:

- EROSION CONTROL MEASURES MAY ONLY BE PLACED IN FRONT OF INLETS, IN CHANNELS, DRAINAGEWAYS, OR BORROW DITCHES AT RISK OF CONTRACTOR.
- CONTRACTOR SHALL REMAIN LIABLE FOR ANY DAMAGE CAUSED BY THE MEASURES, INCLUDING FLOODING DAMAGE, WHICH MAY OCCUR DUE TO BLOCKED DRAINAGE.
- AT THE CONCLUSION OF ANY PROJECT, ALL CHANNELS, DRAINAGEWAYS AND BORROW DITCHES IN THE WORK ZONE SHALL BE DREDGED OF ANY SEDIMENT GENERATED BY THE PROJECT OR DEPOSITED AS A RESULT OF EROSION CONTROL MEASURES.



SECTION A-A
ROCK CHECK DAM
NOT TO SCALE



NOTE:
KEY STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT OVER FLOW AROUND DAM.

SECTION B-B (LOOKING UPSTREAM)

EROSION CONTROL LEGEND

----- 2805 -----	EXISTING MAJOR CONTOUR
----- 2804 -----	EXISTING MINOR CONTOUR
----- 2805 -----	PROPOSED MAJOR CONTOUR
----- 2804 -----	PROPOSED MINOR CONTOUR
→	PROPOSED FLOW ARROW
— SF —	PROPOSED SILT FENCE
□	PROPOSED ROCK CHECK DAM
⊠	PROPOSED OVERFLOW STRUCTURE

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FILE NAME: EROSION CONTROL.dwg
PLOTTER BY: Brian Adkins
PLOT DATE: 6/18/2025
PLOT TIME: 10:35:34 PM

NO.	REVISION	BY	DATE	CHECKED
		TKS		DESIGNED
		TKS		DRAWN
		BWA		BWA

MIDLAND COUNTY MIDLAND, TEXAS		SCALE
		HORIZ N/A
		VERT N/A
		DATE
		JUNE 2025

DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
[TX REG. F-1114]

STATE OF TEXAS
BRIAN W. ADKINS
100284
LICENSED PROFESSIONAL ENGINEER
PROJECT ENGINEER
BRIAN W. Adkins
JUNE 18, 2025
DATE

MIDLAND COUNTY PRECINCT 2	DA PROJECT B011617.001
SOUTH COUNTY ROAD 1110 MIDLAND COUNTY, TEXAS	SHEET 5
TYPICAL EROSION CONTROL	

REQUIREMENTS FOR RED BACKGROUND REGULATORY SIGNS (STOP, YIELD, DO NOT ENTER AND WRONG WAY SIGNS)

TYPICAL EXAMPLES

REQUIREMENTS FOR FOUR SPECIFIC SIGNS ONLY

USAGE	COLOR	SIGN FACE MATERIAL
BACKGROUND	RED	TYPE B OR C SHEETING
BACKGROUND	WHITE	TYPE B OR C SHEETING
LEGEND & BORDERS	WHITE	TYPE B OR C SHEETING
LEGEND	RED	TYPE B OR C SHEETING

REQUIREMENTS FOR WHITE BACKGROUND REGULATORY SIGNS (EXCLUDING STOP, YIELD, DO NOT ENTER AND WRONG WAY SIGNS)

TYPICAL EXAMPLES

SHEETING REQUIREMENTS

USAGE	COLOR	SIGN FACE MATERIAL
BACKGROUND	WHITE	TYPE A SHEETING
BACKGROUND	ALL OTHERS	TYPE B OR C SHEETING
LEGEND, BORDERS AND SYMBOLS	BLACK	ACRYLIC NON-REFLECTIVE FILM
LEGEND, BORDERS AND SYMBOLS	ALL OTHER	TYPE B OR C SHEETING

GENERAL NOTES

- Signs to be furnished shall be as detailed elsewhere in the plans and/or as shown on sign fabrication sheet. Standard sign designs and arrow dimensions can be found in the "Standard Highway Sign Designs for Texas" (SHSD).
- Sign legends shall use the Federal Highway Administration (FHWA) Standard Highway Alphabet (B, C, D, E, G, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z).
- Lateral spacing between letters and numerals shall conform with the SHSD, and any approved changes thereto. Lateral spacing of legend shall provide a balanced appearance when spacing is not shown.
- Black legend and borders shall be applied by screening process or out-cut acrylic non-reflective black film to background sheeting, or combination thereof.
- White legend and borders shall be applied by screening process with transparent colored ink, transparent colored overlay film to white background sheeting or out-cut white sheeting to colored background sheeting, or combination thereof.
- Colored legend shall be applied by screening process with transparent colored ink, transparent colored overlay film or colored sheeting to background sheeting, or combination thereof.
- Sign substrate shall be any material that meets the Departmental Material Specification requirements of DMS-7110 or approved alternative.
- Mounting details for roadside mounted signs are shown in the "SMD series" Standard Plan Sheets.

REQUIREMENTS FOR WARNING SIGNS

TYPICAL EXAMPLES

SHEETING REQUIREMENTS

USAGE	COLOR	SIGN FACE MATERIAL
BACKGROUND	FLUORESCENT YELLOW	TYPE B ₁ OR C ₁ SHEETING
LEGEND & BORDERS	BLACK	ACRYLIC NON-REFLECTIVE FILM
LEGEND & SYMBOLS	ALL OTHER	TYPE B OR C SHEETING

REQUIREMENTS FOR SCHOOL SIGNS

TYPICAL EXAMPLES

SHEETING REQUIREMENTS

USAGE	COLOR	SIGN FACE MATERIAL
BACKGROUND	WHITE	TYPE A SHEETING
BACKGROUND	FLUORESCENT YELLOW GREEN	TYPE B ₁ OR C ₁ SHEETING
LEGEND, BORDERS AND SYMBOLS	BLACK	ACRYLIC NON-REFLECTIVE FILM
SYMBOLS	RED	TYPE B OR C SHEETING

ALUMINUM SIGN BLANKS THICKNESS

Size	Minimum Thickness
Less than 7.5	0.080
7.5 to 15	0.100
Greater than 15	0.125

DEPARTMENTAL MATERIAL SPECIFICATIONS

Material	Specification
ALUMINUM SIGN BLANKS	DMS-7110
SIGN FACE MATERIALS	DMS-8300

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website:
<http://www.txdot.gov/>

TRIANGULAR SLIPBASE INSTALLATION GENERAL REQUIREMENTS

NOTE
There are various devices approved for the Triangular Slipbase System. Please reference the Material Producer List for approved slip base systems. The devices shall be installed per manufacturer's recommendations. Installation procedures shall be provided to the Engineer by Contractor.

GENERAL NOTES

- Slip base shall be permanently marked to indicate manufacturer, method, design, and location of marking are subject to approval of the TxDOT Traffic Standards Engineer.
- Materials used in conjunction with this system shall conform to the following specifications:
 - 1080B Luting (1.875" outside diameter)
 - 0.134" nominal wall thickness stainless or electric-resistance welded steel tubing or pipe
 - Steel shall be A516 or 55 per ASTM A1011 or ASTM A1008
 - Other steels may be used if they meet the following:
 - 70,000 PSI minimum tensile strength
 - 200 minimum elongation in 2"
 - Wall thickness (uncoated) shall be within the range of 0.122" to 0.138"
 - Outside diameter (uncoated) shall be within the range of 0.867" to 2.883"
 - Galvanization per ASTM A153 or ASTM A653. For precast steel luting (ASTM A653), recast steel outside diameter weld seam with metalizing with zinc wire per ASTM B833.
 - Schedule 80 Pipe (12.875" outside diameter)
 - 0.276" nominal wall thickness steel tubing per ASTM A500 or C
 - Other stainless or electric-resistance welded steel tubing or pipe with equivalent outside diameter and wall thickness may be used if they meet the following:
 - 42,000 PSI minimum yield strength
 - 82,000 PSI minimum tensile strength
 - 215 minimum elongation in 2"
 - Wall thickness (uncoated) shall be within the range of 0.168" to 0.304"
 - Outside diameter (uncoated) shall be within the range of 2.855" to 2.895"
 - Galvanization per ASTM A153
- See the Traffic Operations Division website for detailed drawings of sign clamps and Texas Universal Triangular Slipbase System components. The website address is <http://www.txdot.gov/locations/traffic.htm>
- Sign supports shall not be bolted except where shown. Sign support posts shall not be bolted.

ASSEMBLY PROCEDURE

Foundation

- Prepare 12-inch diameter by 42-inch deep hole. If solid rock is encountered, the depth of the hole may be reduced such that it is embedding a minimum of 18 inches into the solid rock.
- The Engineer may permit batches of concrete less than 2 cubic yards to be mixed with a portable, motor-or-man powered concrete mixer. For small placements, less than 0.5 cubic yards, hand mixing in a suitable container may be permitted by the Engineer. Concrete shall be Class B.
- Push the pipe end of the slip base stub into the center of the concrete. Rotate the stub back and forth while pushing it down into the concrete to ensure good contact between the concrete and stub. Continue to work the stub into the concrete until it is between 2 to 4 inches above the ground.
- Place the stub. Allow a minimum of 48 hours to set, unless otherwise directed by the Engineer.
- The triangular slipbase system is multifunctional and is designed to receive when struck from the rear.

Support

- Set support so that the bottom of the sign will be 7 to 7.5 feet above the edge of the roadway (i.e., edge of the closest lane when slip plate is below the edge of pavement or 7 to 7.5 feet above slip plate when the slip plate is above the edge of the roadway). The cut shall be clean and straight.
- Use the triangular slipbase system to support using connections shown. When multiple signs are installed on the same support, ensure the minimum clearance between each sign is maintained. See SMD(SLIP-2) for clearances based on sign types.

CONCRETE ANCHOR

Concrete anchor consists of 5/8" diameter steel bolt with one (1) 3/4" threaded on the upper end, and hardened washer per ASTM F436, the stud bolt shall have a minimum yield and ultimate tensile strength of 50 and 75 ksi, respectively. Nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing." Adhesive type anchors shall have stud bolts treated with Type III epoxy per DMS-8100. Epoxies and Adhesives. Adhesive anchors shall be installed per manufacturer's recommendations. Top of bolt shall extend at least 1/4" above top of concrete when installed. The anchor when installed in 4000 psi normal weight concrete with a 1 1/2" minimum embedment, shall have a minimum ultimate tension and shear of 3900 and 3100 psi, respectively.

TYPICAL SIGN ATTACHMENT DETAIL

GENERAL NOTES

- Sign support or posts shall be as detailed elsewhere in the plans and/or as shown on sign fabrication sheet. Standard sign designs and arrow dimensions can be found in the "Standard Highway Sign Designs for Texas" (SHSD).
- The Engineer may require that a Schedule 80 post be used in place of a 1080B where a sign height is 60 inches or greater.
- Sign substrate shall not be bolted except where shown. Sign support posts shall not be bolted.
- Aluminum sign blanks shall conform to Departmental Material Specifications DMS-7110 and shall have the following minimum thicknesses:
 - 60-inch sign blank: 0.080 for signs less than 7.5 sq. ft., 0.100 for signs 7.5 to 15 sq. ft., and 0.125 for signs greater than 15 sq. ft.
 - 60-inch sign blank: 0.100 for signs less than 7.5 sq. ft., 0.125 for signs 7.5 to 15 sq. ft., and 0.150 for signs greater than 15 sq. ft.
- Signs that require specific supports due to reasons in addition to those listed above shall be indicated on the "REQUIRED SUPPORT" table on this sheet.
- For horizontal rectangular signs fabricated from flat aluminum, U-brackets are used for signs 24 inches or greater height. U-brackets are used for signs of greater height.
- For horizontal rectangular signs fabricated from flat aluminum, T-brackets are used for signs 24 inches or greater height. T-brackets are used for signs of greater height.
- Wing channel shall meet ASTM A 101 SS Gr. 50 and be galvanized per ASTM A 153.
- Excess pipe, wing channel, or window shall be cut off so that it does not extend beyond the sign panel (i.e., excess support shall not be visible when the sign is viewed from the front.) Repair galvanized coating at cut support ends per Item 445, "Galvanizing."
- Additional route markers may be added vertically, provided the total sign area does not exceed the maximum of 40 square feet per sign.
- Additional sign clamp required on the "T-bracket" post for 24 inch high signs. Place the clamp 3 inches above bottom of sign when possible.
- Sign blank ends shall be fitted with Friction Caps.
- Sign blanks shall be the sizes and shapes shown on the plans.

REQUIRED SUPPORT

Sign Description	Support
48-inch STOP sign (R1-1)	TY 1080B(1)XX(1)
60-inch YIELD sign (R1-2)	TY 1080B(1)XX(1)
48x48-inch ONE-WAY sign (R6-1)	TY 1080B(1)XX(1)
36x48, 48x36, and 48x48-inch signs	TY 1080B(1)XX(1)
48x60-inch signs	TY 580(1)XX(1)
48x48-inch signs (diamond or square)	TY 1080B(1)XX(1)
48x60-inch signs	TY 580(1)XX(1)
48-inch Advance School X-ing sign (S1-1)	TY 1080B(1)XX(1)
48-inch School X-ing sign (S2-1)	TY 1080B(1)XX(1)
Large Arrow sign (R1-6 & R1-7)	TY 1080B(1)XX(1)

FRICION CAP DETAIL

Friction caps may be manufactured from hot rolled or cold rolled steel sheets. The minimum sheet metal thickness shall be 24 gauge for all cap sizes. The rim edges shall be reasonably straight and smooth. Caps shall be sized and formed in such a manner as to produce a one-on friction fit and have no tendency to rock when seated on the pipe. The depth shall be sufficient to give positive protection against entrance of rainwater. They shall be free of sharp creases or indentations and show no evidence of metal fracture. Caps shall have an electrocoat finish of zinc in accordance with the requirements of ASTM B633 Class FE/2B.

SIGN SUPPORT DESCRIPTIVE CODES

(Describe all codes according to project estimate and quantities sheet)

SM RD SON ASSM TY XXXX(X)XX(X)-XXXX

POST

- FRP - Fiberglass Reinforced Plastic Pipe (see SMD(FRP))
- 1080B - 1080B Luting (see SMD(SLIP-1) to (SLIP-3))
- S80 - Schedule 80 Pipe (see SMD(SLIP-1) to (SLIP-3))

Number of Posts (1 or 2)

Anchor Type

- UA - Universal Anchor - Galvanized (see SMD(FRP) and (R1)1)
- UB - Universal Anchor - Bolted (see SMD(FRP) and (R1)1)
- UC - Wedge Anchor (see SMD(FRP) and (R1)1)
- WD - Wedge Anchor (see SMD(FRP) and (R1)1)
- SA - Silabases - Bolted (see SMD(SLIP-1) to (SLIP-3))
- SB - Silabases - Bolted (see SMD(SLIP-1) to (SLIP-3))

Sign Mounting Description

- P - Prefab. "Plate" (see SMD(SLIP-1) to (SLIP-3), (R1)1, (FRP))
- T - Prefab. "T" (see SMD(SLIP-1) to (SLIP-3), (R1)1)
- U - Prefab. "U" (see SMD(SLIP-1) to (SLIP-3), (R1)1)
- W - Prefab. "W" (see SMD(SLIP-1) to (SLIP-3), (R1)1)
- EXT or EXT - Number of Extensions (see SMD(SLIP-1) to (SLIP-3), (R1)1)
- EA - Extruded Aluminum Sign Panels (see SMD(SLIP-1) to (SLIP-3))
- EC - 1/2 x 1/2 Wing Channel (see SMD(SLIP-1) to (SLIP-3))
- EXL - Extruded Aluminum Sign Panels (see SMD(SLIP-1) to (SLIP-3))

REQUIRED CLEARANCE FOR BREAKAWAY SUPPORT

SIGN LOCATION

PAVED SHOULDERS

T-INTERSECTION

BEHIND BARRIER

BEHIND GUARDRAIL

BEHIND CONCRETE BARRIER

SIGNS WITH PLAQUES

CURB & GUTTER OR RAISED ISLAND

RESTRICTED RIGHT-OF-WAY

NO MORE THAN 2 SIGN POSTS SHOULD BE LOCATED WITHIN A 7 FT. CIRCLE.

ACCEPTABLE (Diagrams showing 7 ft. diameter circles around sign posts)

NOT ACCEPTABLE (Diagrams showing overlapping 7 ft. diameter circles)

FRICION CAP DETAIL

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS TRIANGULAR SLIPBASE SYSTEM SMD (SLIP-2) - 08

Boles used to mount sign panels to the clamp are 5/16-18 UNC galvanized square heads with nuts, nylon washers, flat washers and lock washers. The bolt length is 1 1/4 inch for clearance.

When two sign clamps are used to mount signs back-to-back, use a 5/16-18 UNC galvanized hex head per ASTM A307 with nut, lock washer and flat washer. The opposite bolt lengths for various post sizes and sign clamp types are shown in the table on the right. The bolt length may need to be adjusted depending upon field conditions.

Sign clamps may be either the specific size clamp or the universal clamp.

Post Diameter	Approximate Bolt Length	Universal Clamp
2" nominal	3"	3" or 3 1/2"
2 1/2" nominal	3 or 3 1/2"	3 1/2 or 4"
3" nominal	3 1/2 or 4"	4 1/2"

NO.	REVISION	BY	DATE	CHECKED

TxDOT	DESIGNED	N/A
TxDOT	DRAWN	BWA
TxDOT	CHECKED	

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1110
MIDLAND COUNTY, TEXAS

SCALE
HORIZ N/A
VERT N/A
DATE JUNE 2025

DA PROJECT
B011617.001

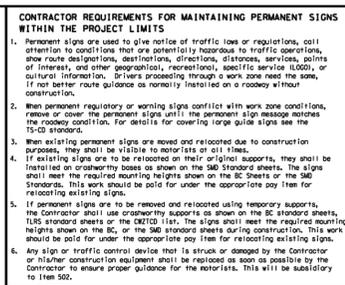
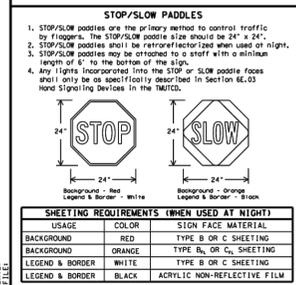
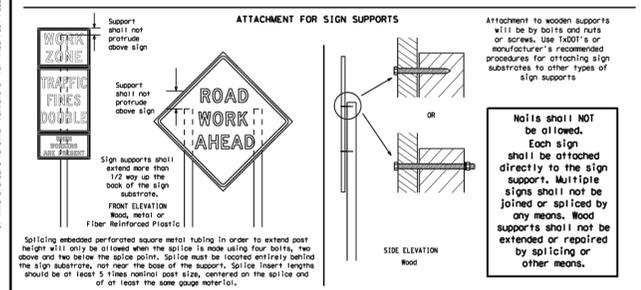
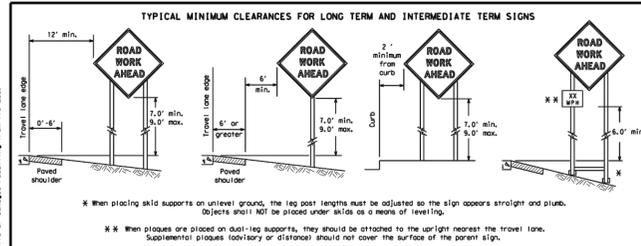
SHEET
8

TxDOT SIGNAGE DETAILS

DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
(TX REG. F-1114)

PROFESSIONAL ENGINEER
10028
BRUCE W. COLLIER
PROJECT ENGINEER
JUNE 18, 2025
DATE

FILE NAME: S:\PROJECTS\1110\1110_SOUTH\1110_SIGNAGE\1110_SIGNAGE_DETAILS.DWG
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GENERAL NOTES FOR WORK ZONE SIGNS

- Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
- Signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and direct traffic through the work zone safely through the work zone.
- All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and direct traffic through the work zone safely through the work zone.
- The Contractor shall furnish the sign design shown in the plans or in the "Standard Highway Sign Design for Texas" (SHSD), the Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the MUTCD but may not be shown in the plans. Any variation in the sign design shall be documented by written agreement between the Engineer and the Contractor's representative. This agreement shall include details of the changes in the sign design and having both the Inspector and Contractor Initial and date the agreement.
- The Contractor shall install and maintain signs in accordance with the plans or as directed by the Engineer/Inspector. The Contractor shall install and maintain signs in accordance with the plans or as directed by the Engineer/Inspector. The Contractor shall install and maintain signs in accordance with the plans or as directed by the Engineer/Inspector.
- Signs shall be installed in accordance with the plans or as directed by the Engineer/Inspector. The Contractor shall install and maintain signs in accordance with the plans or as directed by the Engineer/Inspector.
- Identification markings may be shown only on the back of the sign substrate. The maximum height of letters or other company logos used on signs shall not exceed 1/2 inch.
- Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

DEFINITION OF WORK ZONE SIGNS

1. Long-term stationary work that occupies a location more than one day period up to 3 days, or nighttime work lasting more than one hour.

2. Intermediate-term stationary work that occupies a location more than one day period up to 3 days, or nighttime work lasting more than one hour.

3. Short-term stationary work that occupies a location for more than one hour in a single day period.

4. Splice duration work that occupies a location up to 1 hour.

5. Mobile work that occupies a location up to approximately 15 minutes.

6. Mobile work that occupies a location up to approximately 15 minutes.

SIGN MOUNTING HEIGHT

1. The bottom of long-term/intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface, except as shown for supplemental signs mounted below other signs.

2. The bottom of short-term/intermediate-term signs shall be at least 6 feet above the paved surface but no more than 2 feet above the ground/intermediate-term signs may be used in lieu of short-term/intermediate-term signs.

3. Short-term/intermediate-term signs shall be used only during daylight and shall be removed at the end of the roadway or related to the appropriate long-term/intermediate-term sign height.

4. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

6. The Contractor shall furnish the sign sizes shown on BC (2) unless otherwise shown in the plans or as directed by the Engineer.

REFLECTIVE SHEETING

1. Signs shall be retro-reflective and constructed of sheeting meeting the color and retro-reflectivity requirements of BS-635 for signs and BS-630 for reflective sheeting. The web for BS-635 reflective sheeting shall be used for signs with a white background.

2. Orange sheeting, meeting the requirements of BS-630 Type III, or orange reflective sheeting, shall be used for signs with orange backgrounds.

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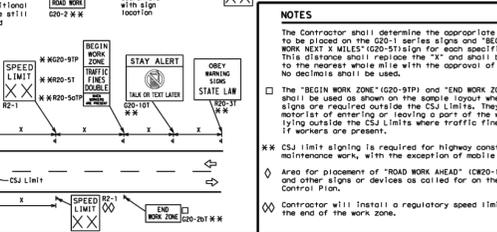
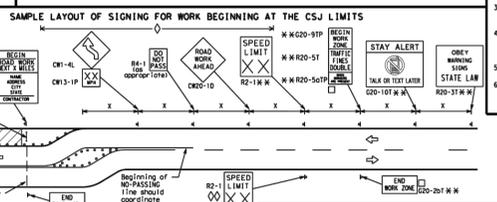
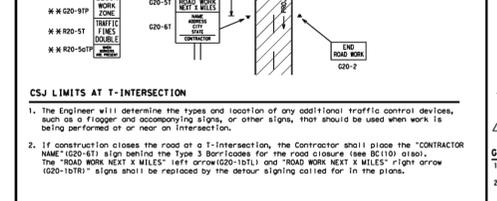
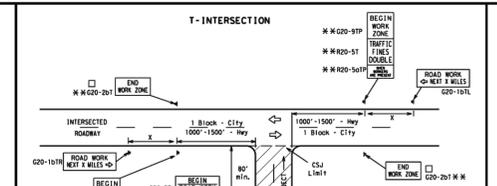
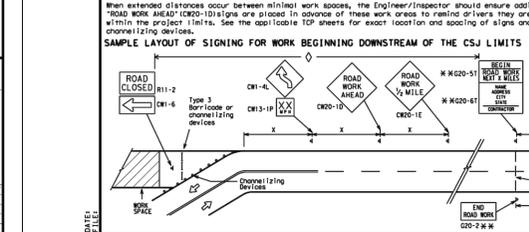
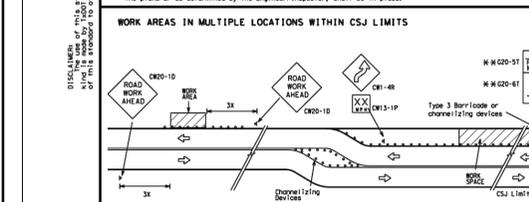
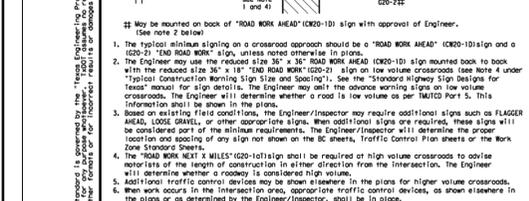
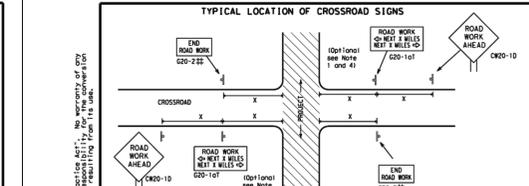
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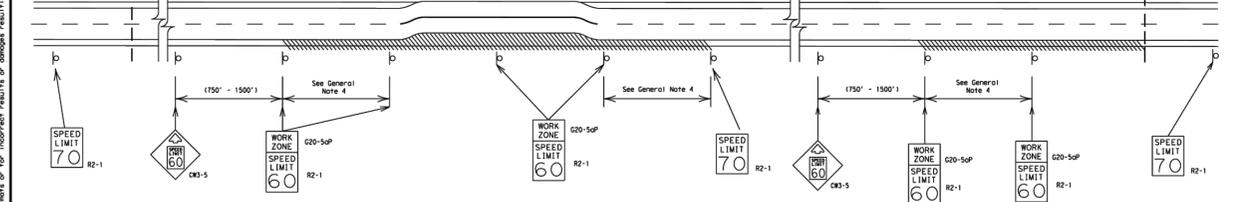
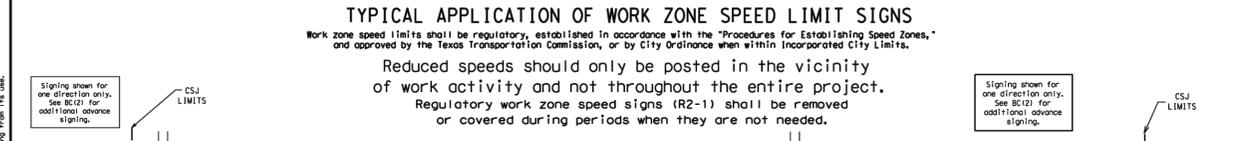
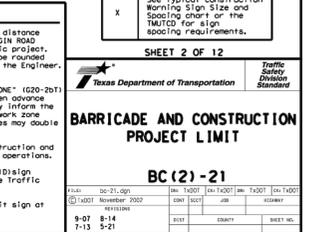
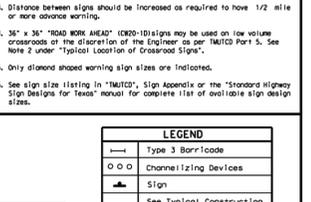


TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING

Sign Number or Series	Conventional Road	Expressway/Freeway	Posted Speed	Sign Spacing 'x'
CR20-4	48" x 48"	48" x 48"	MPH	Feet (Approx.)
CR21	48" x 48"	48" x 48"	30	120
CR22	48" x 48"	48" x 48"	35	160
CR23	48" x 48"	48" x 48"	40	240
CR24	48" x 48"	48" x 48"	45	300
CR25	48" x 48"	48" x 48"	50	400
CR26	48" x 48"	48" x 48"	55	500*
CR27	48" x 48"	48" x 48"	60	600*
CR28	48" x 48"	48" x 48"	65	700*
CR29	48" x 48"	48" x 48"	70	800*
CR30	48" x 48"	48" x 48"	75	900*
CR31	48" x 48"	48" x 48"	80	1000*
CR32	48" x 48"	48" x 48"	85	1100*
CR33	48" x 48"	48" x 48"	90	1200*
CR34	48" x 48"	48" x 48"	95	1300*
CR35	48" x 48"	48" x 48"	100	1400*

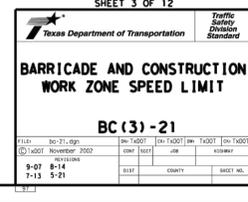
GENERAL NOTES

- Special or larger size signs may be used as necessary.
- Distance between signs should be increased as required to have 1/2 mile or more advance warning.
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- 36" x 36" "ROAD WORK AHEAD" (CR20-10) signs may be used on low volume roads or at the discretion of the Engineer as per MUTCD Part 5. See Note 2 under "Typical Location of Crossroad Signs".
- Only diamond shaped warning sign sizes are indicated.
- See sign listing in "MUTCD", sign appendix or the "Standard Highway Sign Design for Texas" manual for complete list of available sign sizes.



GENERAL NOTES

- Regulatory work zone speed limits should be used only for sections of construction projects where speed control is of major importance.
- Regulatory work zone speed limit signs shall be placed on supports at a 7 foot minimum mounting height.
- Speed zone signs are illustrated for one direction of travel and are normally posted for each direction of travel.
- Frequency of work zone speed limit signs should be:
 - 40 mph and greater: 0.2 to 2 miles
 - 35 mph and less: 0.2 to 1 mile
- Regulatory speed limit signs shall have black legend and border on a white reflective background (See "Reflective Sheeting" on BC(4)).
- Fabrication, erection and maintenance of the "ADVANCE SPEED LIMIT" (CR-5) sign, "WORK ZONE SPEED LIMIT" (R2-1) sign and the "SPEED LIMIT" (R2-1) sign shall not be paid for directly, but shall be considered subsidiary to Item 502.
- Turning signs from view, laying signs over or down will not be allowed, unless as otherwise noted under "REMOVING OR COVERING" on BC(4).
- Techniques that may help reduce traffic speeds include but are not limited to:
 - A. Law enforcement.
 - B. Flagger stationed next to sign.
 - C. Portable changeable message sign (PMS).
 - D. Low-over (dome) radar transmitter.
 - E. Speed monitor trailers or signs.
- Speeds shown on details above are for illustration only. Work Zone Speed Limits should only be posted as approved for each project.
- For more specific guidance concerning the type of work, work zone conditions and factors impacting allowable regulatory construction speed zone reduction see TxDOT Form #1204 in the TxDOT e-form system.



BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

- The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
- The development and design of the Traffic Control Plan (TCP) is the responsibility of the Engineer.
- The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.
- The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.
- Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.
- When projects about, the Engineer may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets. The TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.
- The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.
- All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Design for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.
- The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.
- Where highway construction or maintenance work is being undertaken, other than mobile operations as defined by the Texas Manual on Uniform Traffic Control Devices, CSJ limit signs are required. CSJ limit signs are shown on BC(2). The OBEY WARNING SIGNS STATE LAW sign, STAY ALERT TALK OR TEXT LATER and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR END ROAD WORK signs shall be erected at or near the CSJ limits. For mobile operations, CSJ limit signs are not required.
- Traffic control devices should be in place only while work is actually in progress or a definite need exists.
- The Engineer has the final decision on the location of all traffic control devices.
- Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

WORKER SAFETY NOTES:

- Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA American National Standard for High-Visibility Apparel, or equivalent revisions, and labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.
- Except in emergency situations, flagger stations shall be illuminated when flagging is used at night.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES

- Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZCD) describes pre-qualified products and their sources.
- Work zone traffic control devices shall be compliant with the Manual for Assessing Safety Hardware (MASH).

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT

<http://www.txdot.gov>

COMPLIANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZCD)
DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS)
MATERIAL PRODUCER LIST (MPL)
ROADWAY DESIGN MANUAL - SEE "MANUALS (ON-LINE MANUALS)"
STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)
TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
TRAFFIC ENGINEERING STANDARD SHEETS



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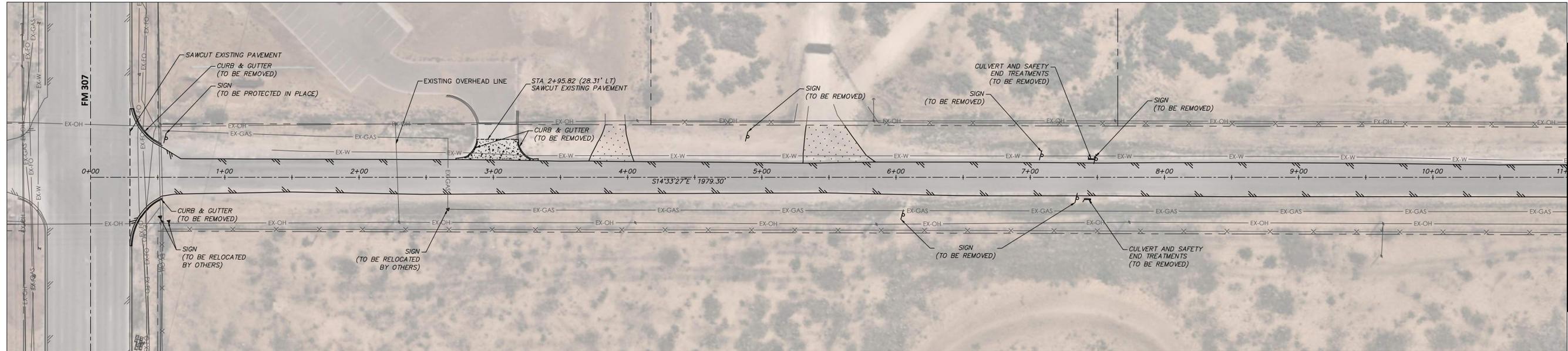
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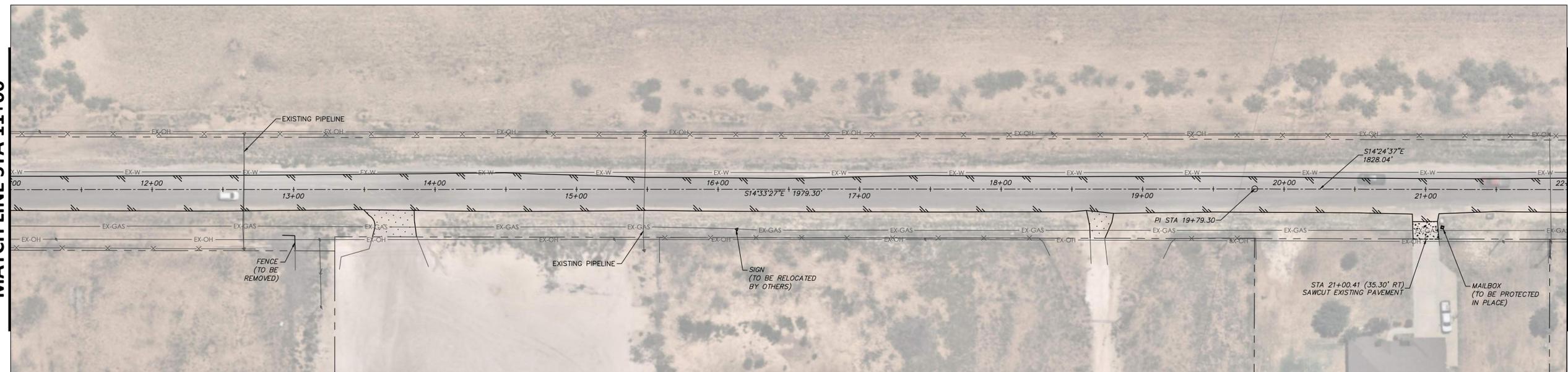
OFF-SITE BENCHMARK INFORMATION:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

BENCHMARK:
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SOUTH COUNTY ROAD 1110



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MATCH LINE STA 22+00



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PLOT DATE: 6/18/2025

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**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JUNE 2025

DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
[TX REG. F-1114]

STATE OF TEXAS
BRIAN W. ADKINS
100284
LICENSED PROFESSIONAL ENGINEER
PROJECT ENGINEER
Brian W. Adkins
JUNE 18, 2025
DATE

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1110
MIDLAND COUNTY, TEXAS
OVERALL ROADWAY STATIONING
STA 0+00 TO STA 22+00

DA PROJECT
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SHEET
17



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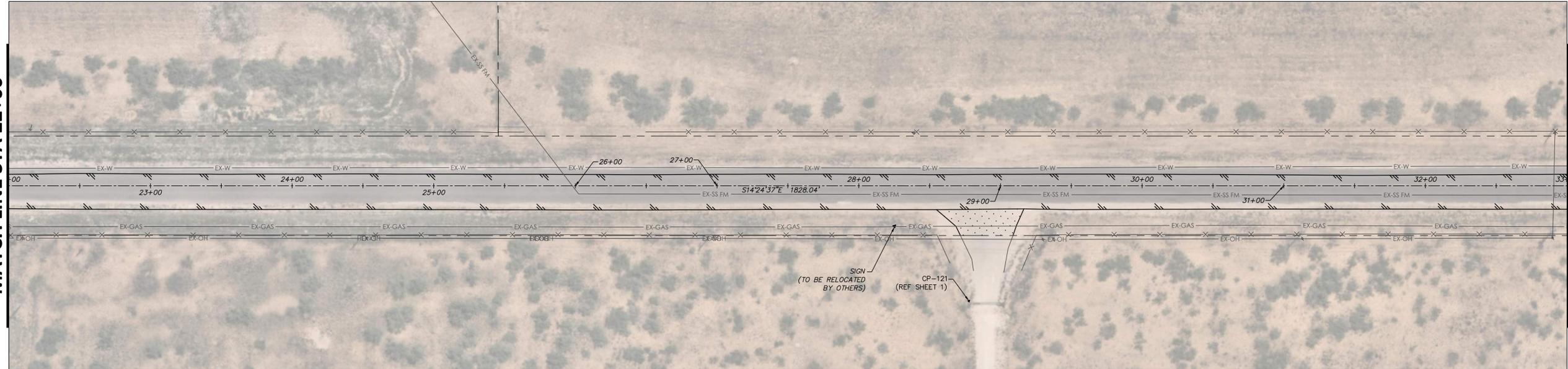
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SOUTH COUNTY ROAD 1110

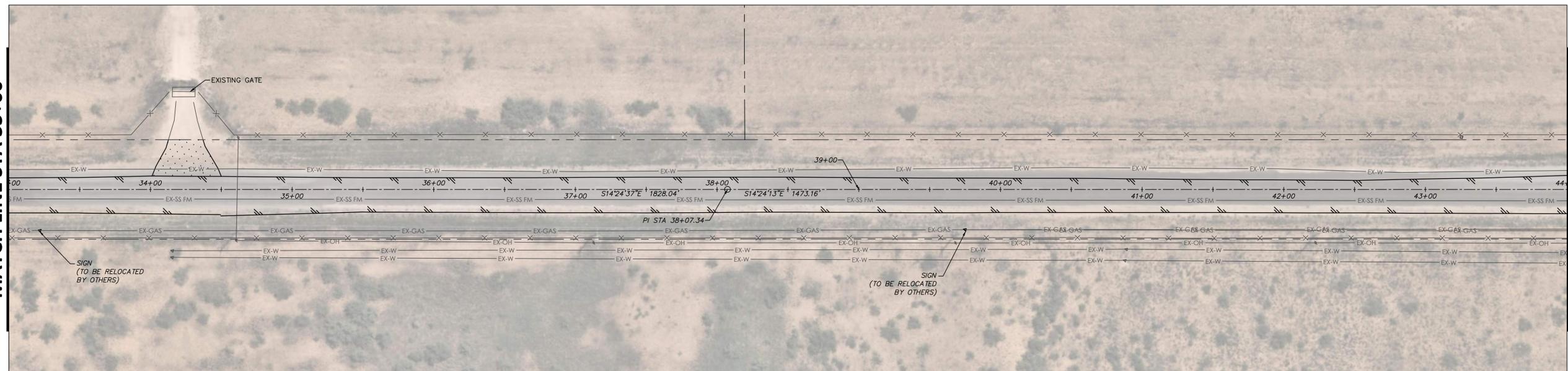
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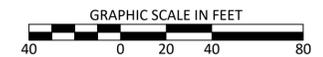
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**MIDLAND COUNTY
MIDLAND, TEXAS**

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	DATE	JUNE 2025

DUNAWAY
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Tel: 432.699.4889
[TX REG. F-1114]

STATE OF TEXAS
BRIAN W. ADKINS
100284
LICENSED PROFESSIONAL ENGINEER
Brian W. Adkins
PROJECT ENGINEER
JUNE 18, 2025
DATE

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1110
MIDLAND COUNTY, TEXAS
**OVERALL ROADWAY STATIONING
STA 22+00 TO STA 44+00**

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18



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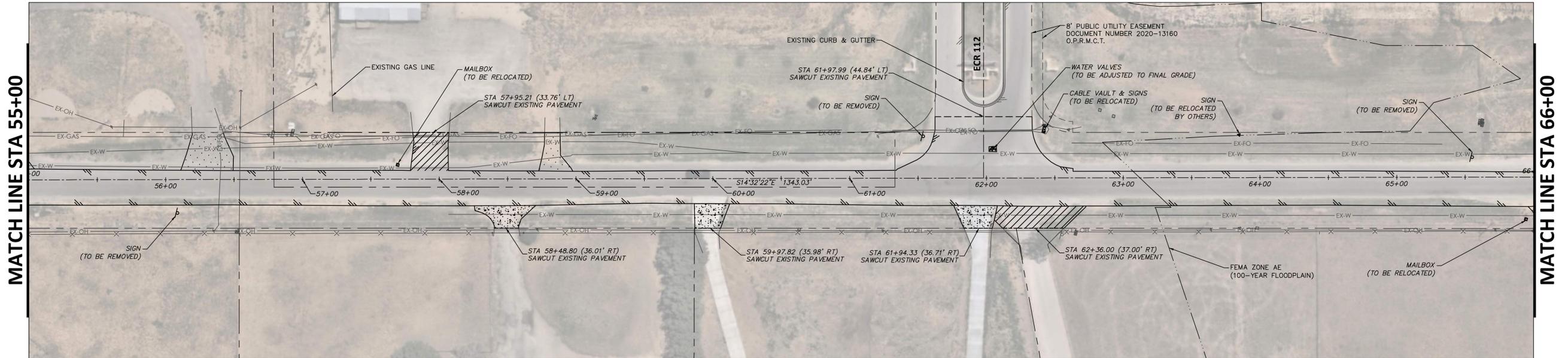
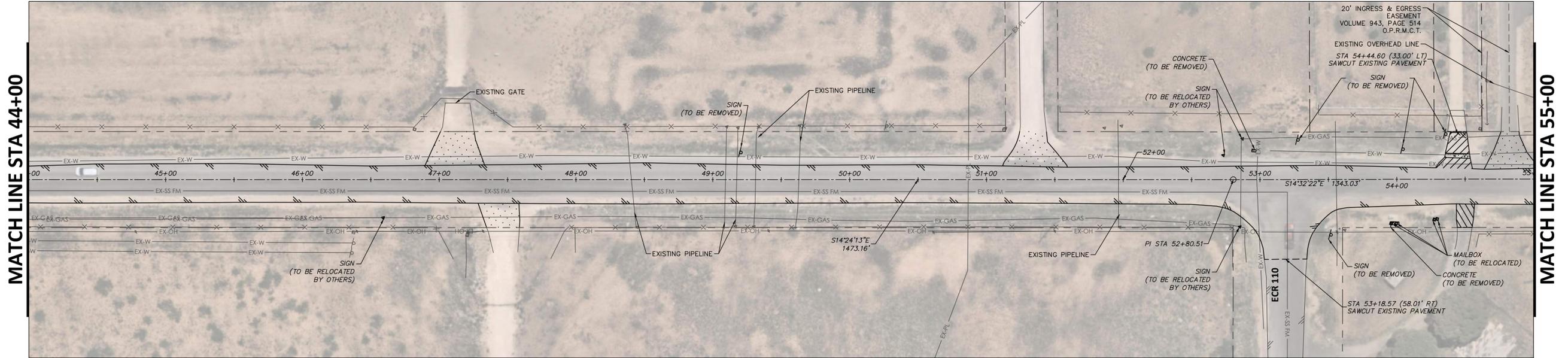
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SOUTH COUNTY ROAD 1110



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MIDLAND, TEXAS**

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	DATE	JUNE 2025

DUNAWAY
 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
 Tel: 432.699.4889
 [TX REG. F-1114]

STATE OF TEXAS
 BRIAN W. ADKINS
 100284
 LICENSED PROFESSIONAL ENGINEER
 PROJECT ENGINEER
 Brian W. Adkins
 JUNE 18, 2025
 DATE

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SOUTH COUNTY ROAD 1110 MIDLAND COUNTY, TEXAS	SHEET
OVERALL ROADWAY STATIONING STA 44+00 TO STA 66+00	19



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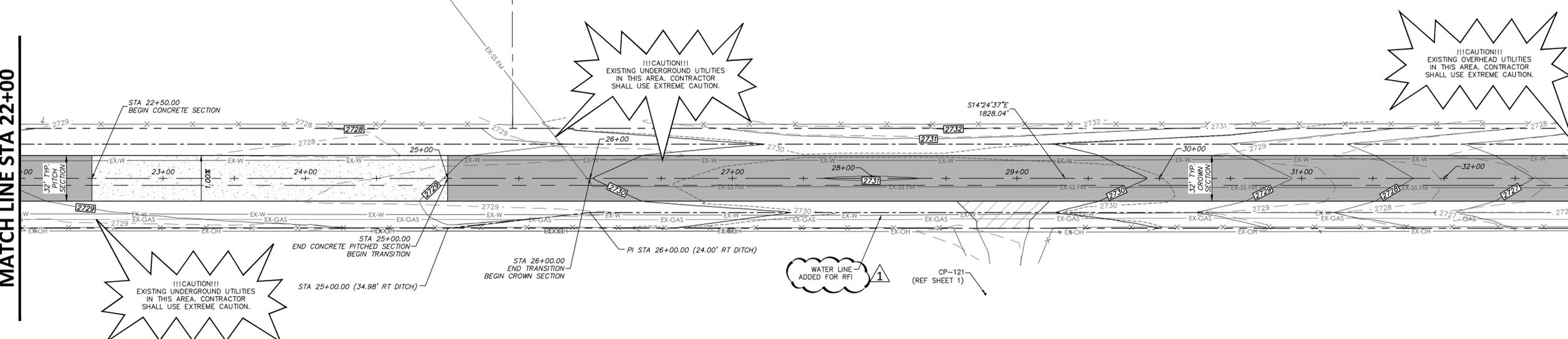
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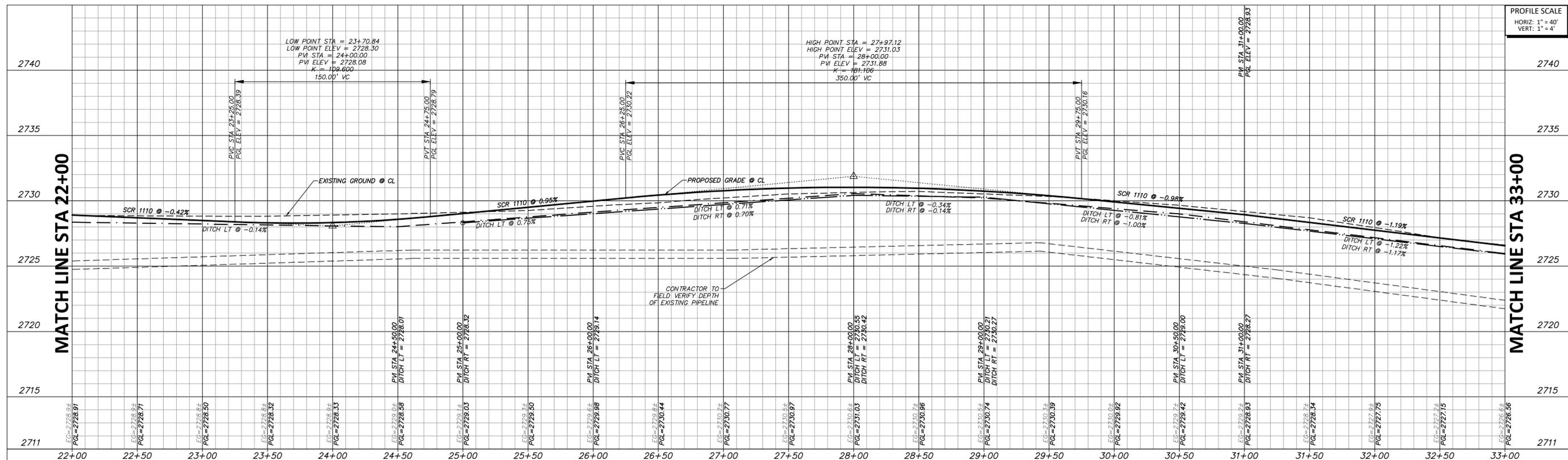
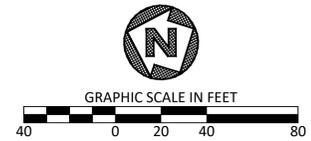
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MATCH LINE STA 33+00



SOUTH COUNTY ROAD 1110



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**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ 1"=40'
VERT 1"=4'
DATE
JUNE 2025

DUNAWAY

4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
[TX REG. F-1114]

STATE OF TEXAS
10028
BRIAN W. ADKINS
PROFESSIONAL ENGINEER

Brian W. Adkins
PROJECT ENGINEER
JULY 16, 2025
DATE

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1110
MIDLAND COUNTY, TEXAS

PLAN AND PROFILE
STA 22+00 TO STA 33+00

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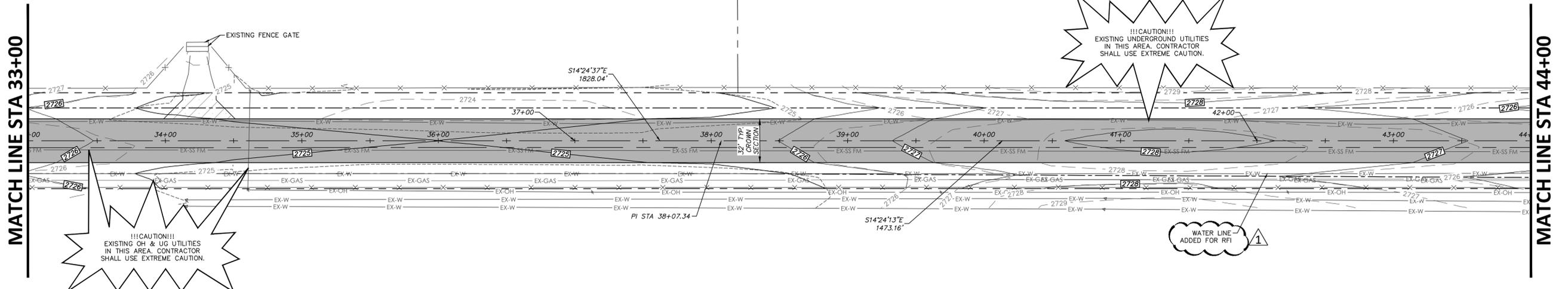
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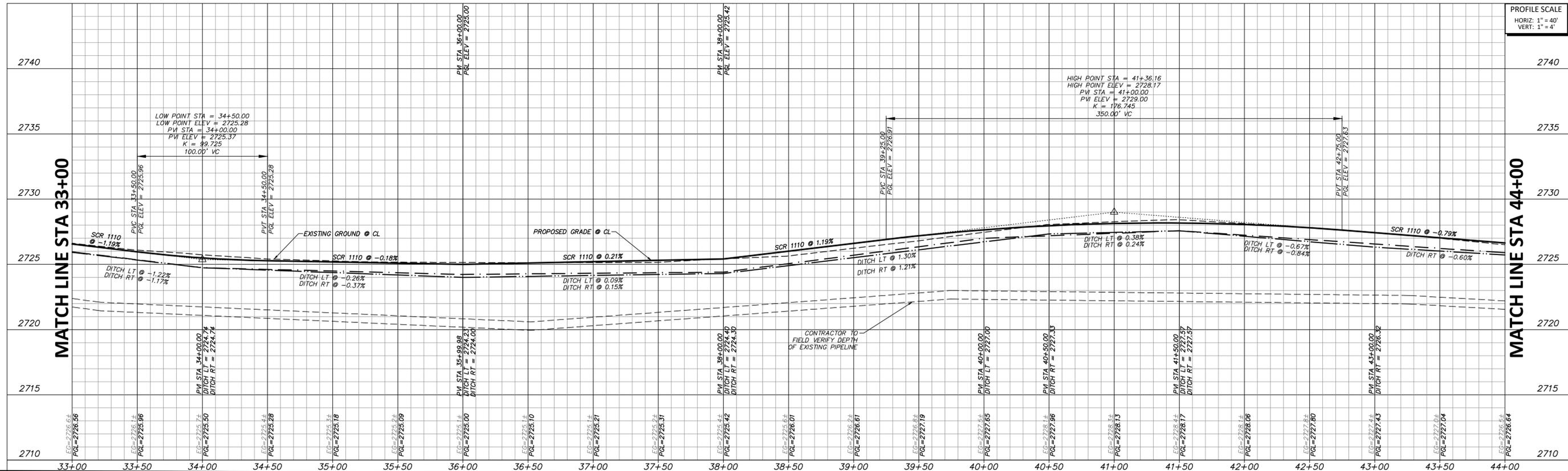
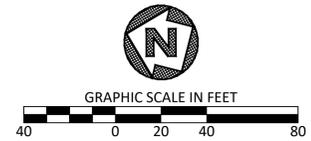
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OFF-SITE BENCHMARK INFORMATION:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



SOUTH COUNTY ROAD 1110



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 PLOTTED BY: AMOR ADKINS
 PLOTTED AT: 9:43:28 AM

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NO.	REVISION	BY	DATE	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
1"=4'
DATE
JUNE
2025

DUNAWAY

4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
[TX REG. F-1114]

Brian W. Adkins
 PROJECT ENGINEER
 JULY 16, 2025
 DATE

MIDLAND COUNTY PRECINCT 2
 SOUTH COUNTY ROAD 1110
 MIDLAND COUNTY, TEXAS
**PLAN AND PROFILE
 STA 33+00 TO STA 44+00**

DA PROJECT
 B011617.001
 SHEET
25



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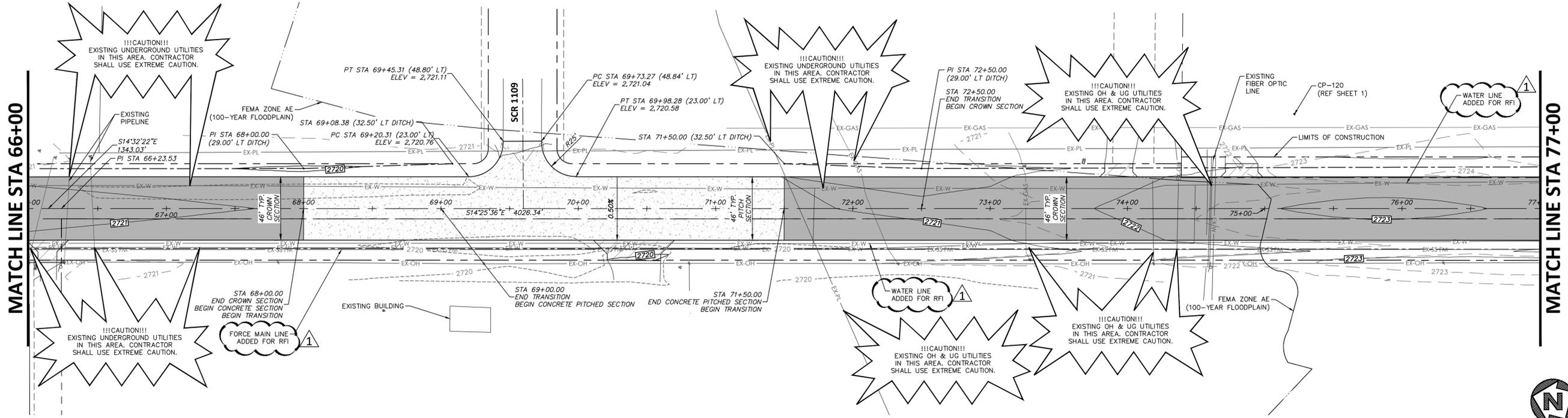
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OFF-SITE BENCHMARK INFORMATION:

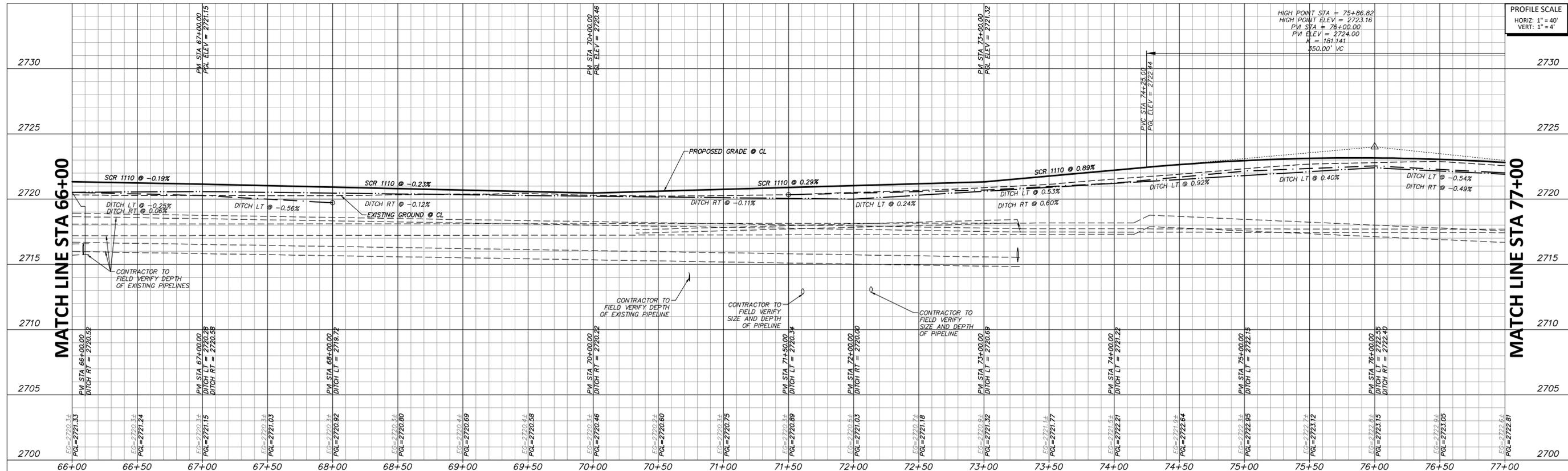
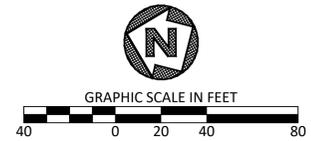
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



SOUTH COUNTY ROAD 1110



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 PLOTTED AT: 11/15/2025 10:58:00 AM

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				TKS	DRAWN
				BWA	CHECKED
NO.	REVISION	BY	DATE	CHECKED	

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
1"=4'
DATE
JUNE
2025

DUNAWAY

4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
TX REG. F-1114

STATE OF TEXAS
100284
BRIAN W. ADKINS
LICENSED PROFESSIONAL ENGINEER

Brian W. Adkins
PROJECT ENGINEER
JULY 16, 2025
DATE

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1110
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 66+00 TO STA 77+00**

DA PROJECT
B011617.001
SHEET
28



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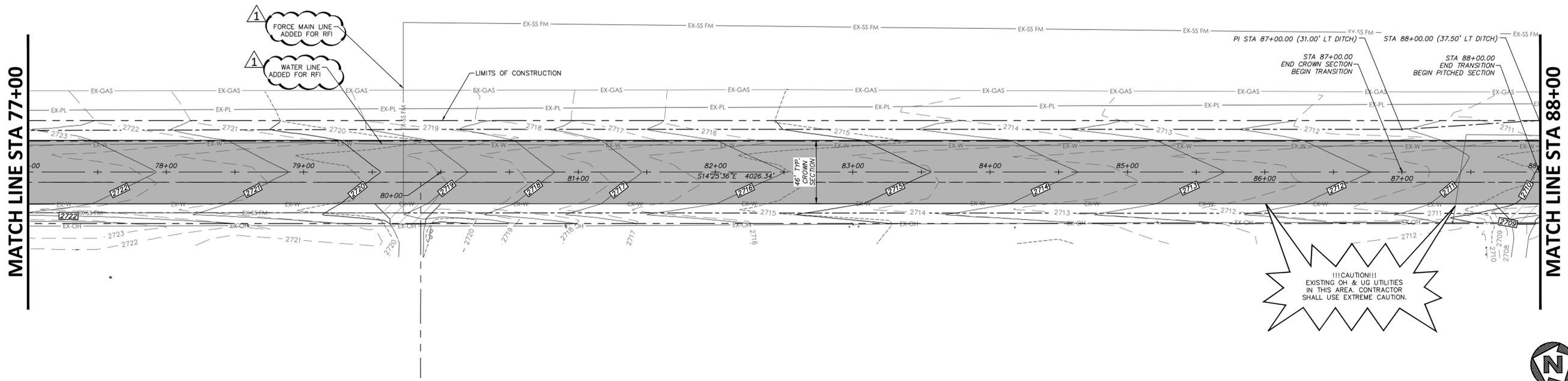
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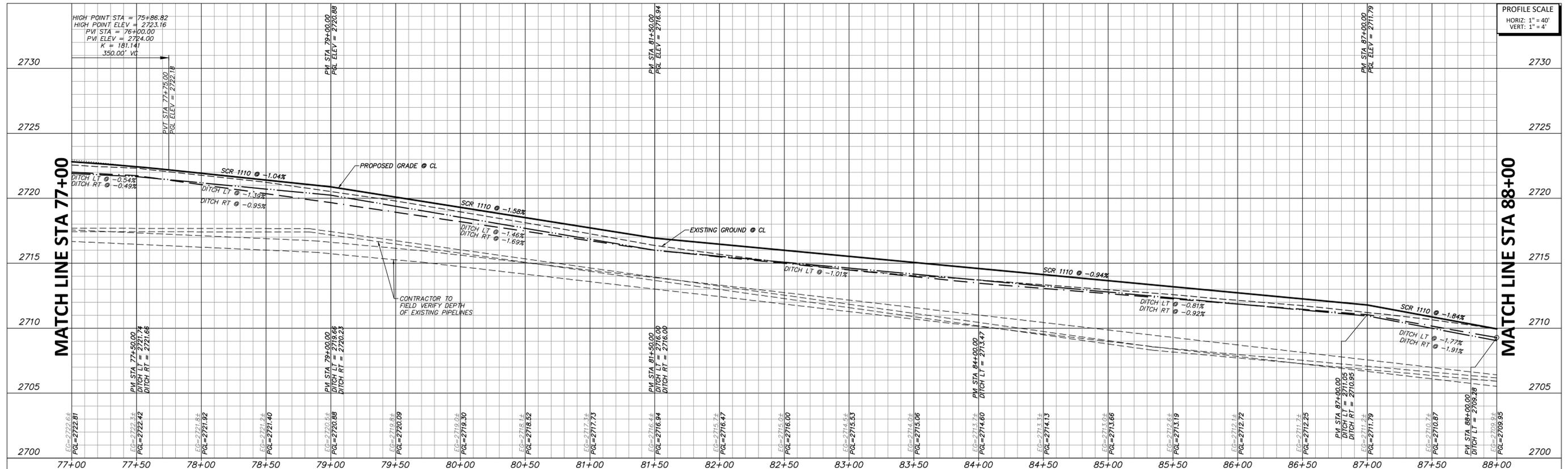
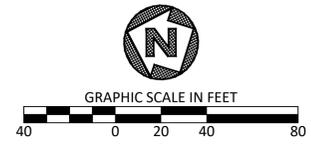
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SOUTH COUNTY ROAD 1110



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NO.	REVISION	BY	DATE	CHECKED
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				DESIGNED
				TKS
				DRAWN
				BWA
				DATE

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ 1"=40'
VERT 1"=4'
DATE
JUNE 2025

DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
[TX REG. F-1114]

Brian W. Adkins
 PROJECT ENGINEER
 JULY 16, 2025
 DATE

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1110
MIDLAND COUNTY, TEXAS
PLAN AND PROFILE
STA 77+00 TO STA 88+00

DA PROJECT
 B011617.001
 SHEET
29



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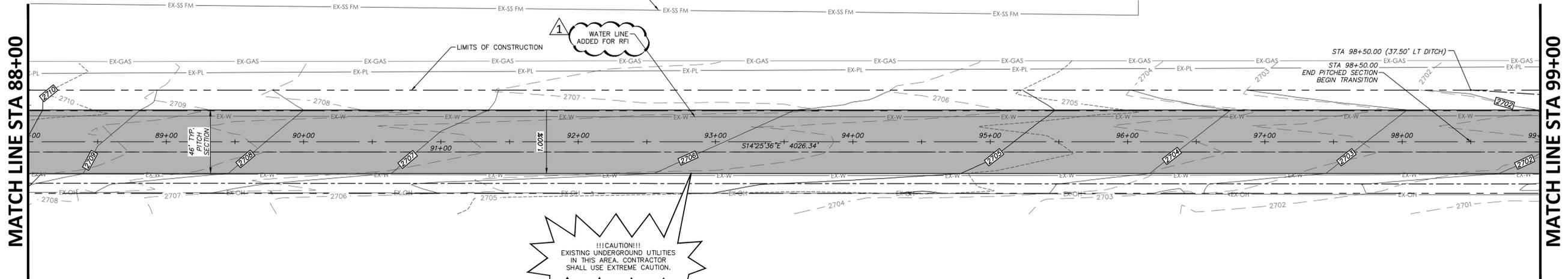
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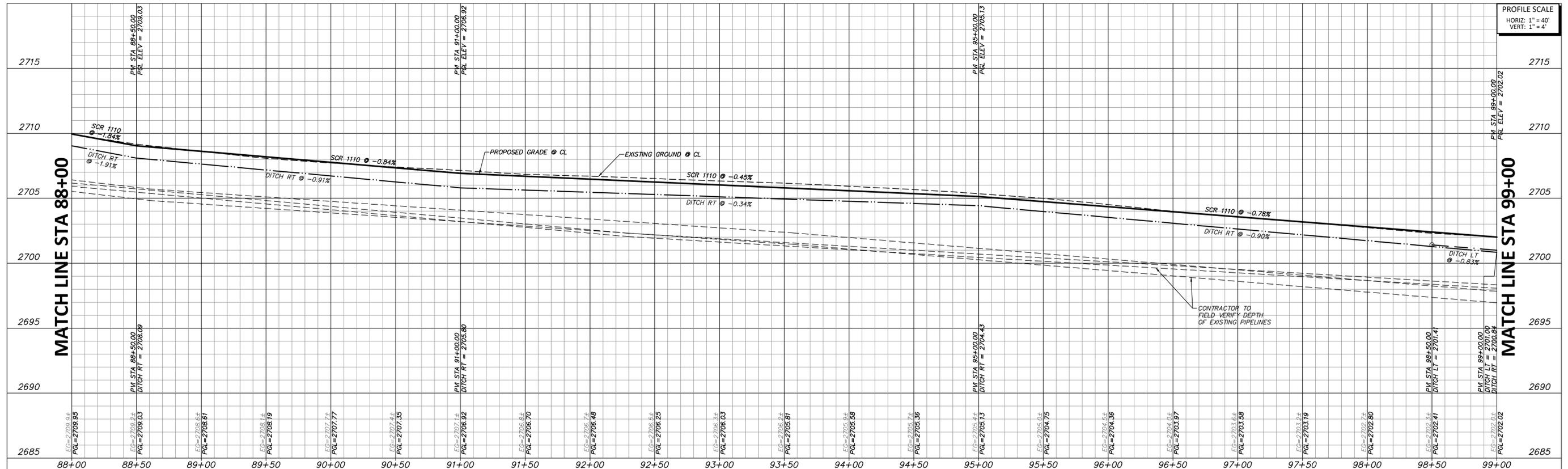
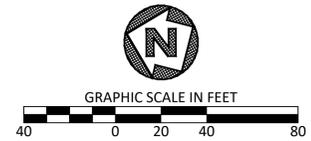
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

BENCHMARK:

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SOUTH COUNTY ROAD 1110



FULL PATH: P:\101660101\101660101.dwg
 FILENAME: 101660101.dwg
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 PLOTTED DATE: 7/16/2025

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				CHECKED
NO.	REVISION	BY	DATE	

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
1"=4'
DATE
JUNE
2025

DUNAWAY
 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
 Tel: 432.699.4889
 [TX REG. F-1114]

STATE OF TEXAS
 100284
 LICENSED PROFESSIONAL ENGINEER
 Brian W. Adkins
 PROJECT ENGINEER
 JULY 16, 2025
 DATE

MIDLAND COUNTY PRECINCT 2
 SOUTH COUNTY ROAD 1110
 MIDLAND COUNTY, TEXAS
**PLAN AND PROFILE
 STA 88+00 TO STA 99+00**

DA PROJECT
B011617.001
 SHEET
30



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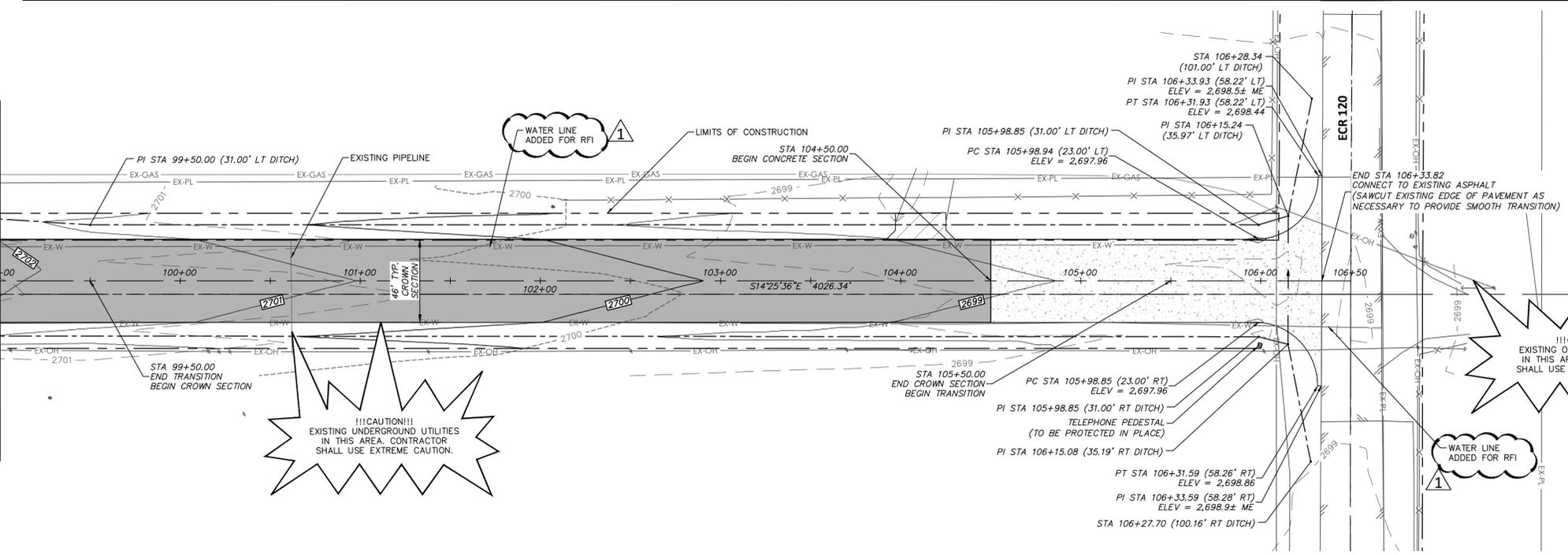
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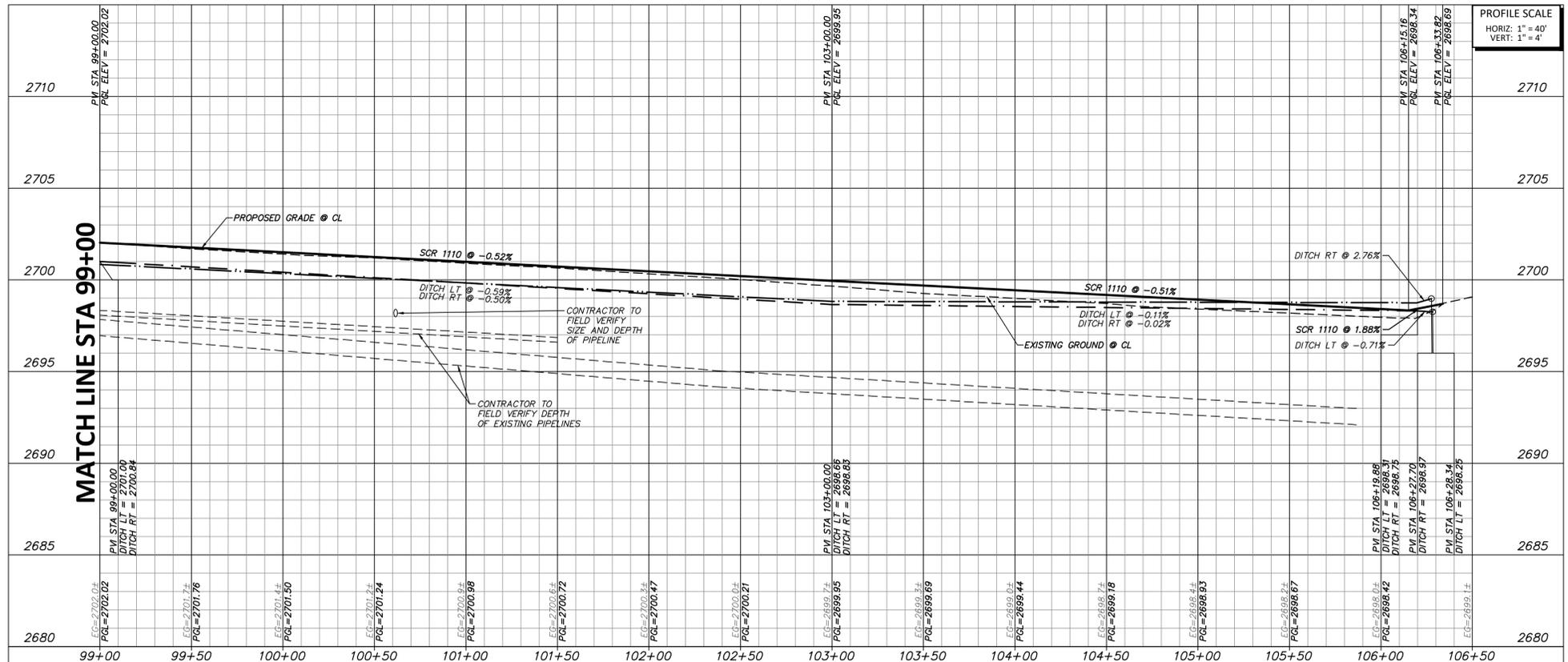
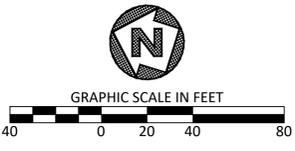
MATCH LINE STA 99+00



!!!CAUTION!!!
EXISTING UNDERGROUND UTILITIES IN THIS AREA. CONTRACTOR SHALL USE EXTREME CAUTION.

!!!CAUTION!!!
EXISTING OVERHEAD UTILITIES IN THIS AREA. CONTRACTOR SHALL USE EXTREME CAUTION.

SOUTH COUNTY ROAD 1110



PROFILE SCALE
HORIZ. 1" = 40'
VERT. 1" = 4'

FILE NAME: P:\0116001\011617\001\DWG\1110\Plan_SouthCountyRoad1110.dwg
PLOTTER: HP DesignJet 5000
PLOTTED BY: BWA
PLOTTED DATE: 7/14/2025

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				CHECKED
NO.	REVISION	BY	DATE	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
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VERT
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DATE
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DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
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STATE OF TEXAS
100284
BRIAN W. ADKINS
LICENSED PROFESSIONAL ENGINEER
PROJECT ENGINEER
JULY 16, 2025
DATE

MIDLAND COUNTY PRECINCT 2	DA PROJECT B011617.001
SOUTH COUNTY ROAD 1110 MIDLAND COUNTY, TEXAS	SHEET
PLAN AND PROFILE STA 99+00 TO END	31



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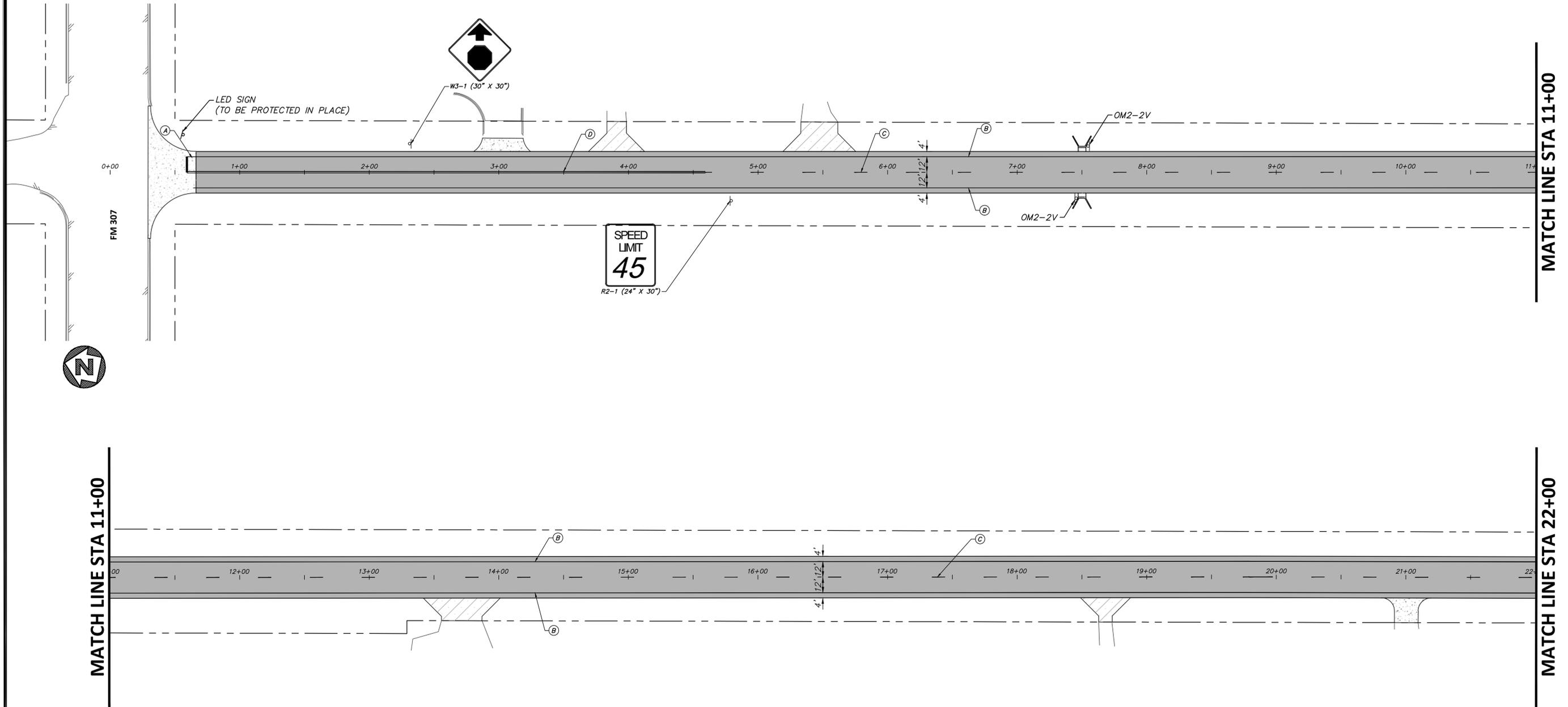
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BENCHMARK:

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SOUTH COUNTY ROAD 1110



PAVEMENT MARKINGS	
(A)	REFL PAV MRK (W) 18" (SOLID)
(B)	REFL PAV MRK (W) 4" (SOLID)
(C)	REFL PAV MRK (Y) 4" (BRK)
(D)	REFL PAV MRK (Y) 4" DOUBLE (SOLID)
(E)	REFL PAV MRK (Y) 4" (SOLID)
(F)	REFL PAV MRK (Y) 8" (SOLID)
	REFL PAV MRK (W) LEFT TURN ARROW
	INSTALL ROADSIDE SIGN

- NOTES:**
- INSTALL PAVEMENT MARKINGS AND SIGNAGE PER TEXAS MUTCD AND TxDOT STANDARDS AND DETAILS.
 - PAVEMENT MARKINGS TO FOLLOW ROADWAY ALIGNMENT STATIONING.
 - PAVEMENT MARKING DIMENSIONS MEASURED FROM CENTER OF STRIPING.



NO.	REVISION	BY	DATE	CHECKED

TKS	DESIGNED	<p>MIDLAND COUNTY MIDLAND, TEXAS</p> <p>4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705 Tel: 432.699.4889 [TX REG. F-1114]</p>	SCALE
TKS	DRAWN		HORIZ 1"=40'
BWA	CHECKED		VERT N/A
			DATE JUNE 2025

DUNAWAY

4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
[TX REG. F-1114]

STATE OF TEXAS
BRIAN W. ADKINS
100284
LICENSED PROFESSIONAL ENGINEER

Brian W. Adkins
PROJECT ENGINEER
JUNE 18, 2025
DATE

MIDLAND COUNTY PRECINCT 2	DA PROJECT B011617.001
SOUTH COUNTY ROAD 1110 MIDLAND COUNTY, TEXAS	SHEET
SIGNAGE AND PAVEMENT MARKINGS STA 0+00 TO STA 22+00	33

FULL PATH: P:\116001\11601\DWG\11601P01.dwg
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 PLOTTED BY: Allison Adams
 PLOTTED DATE: 6/17/2025
 PLOTTED TIME: 4:42:28 PM



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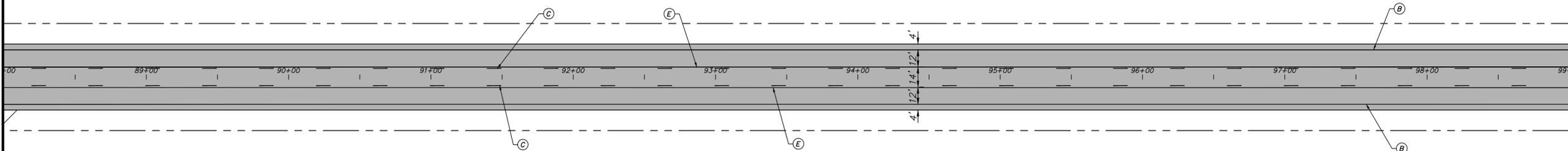
BENCHMARK:

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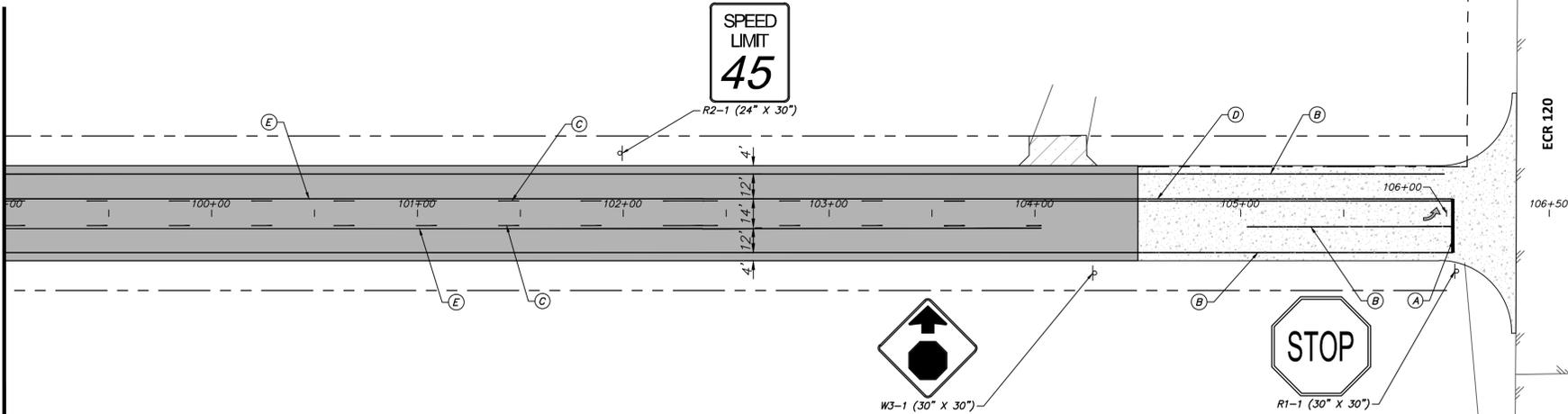
SOUTH COUNTY ROAD 1110

MATCH LINE STA 88+00

MATCH LINE STA 99+00



MATCH LINE STA 99+00



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TKS	DESIGNED
TKS	DRAWN
BWA	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JUNE 2025

DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
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STATE OF TEXAS
BRIAN W. ADKINS
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MIDLAND COUNTY PRECINCT 2	DA PROJECT B011617.001
SOUTH COUNTY ROAD 1110 MIDLAND COUNTY, TEXAS	SHEET
SIGNAGE AND PAVEMENT MARKINGS STA 88+00 TO END	37

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