

MIDLAND COUNTY

Plans for the Reconstruction of

SOUTH COUNTY ROAD 1050

AND

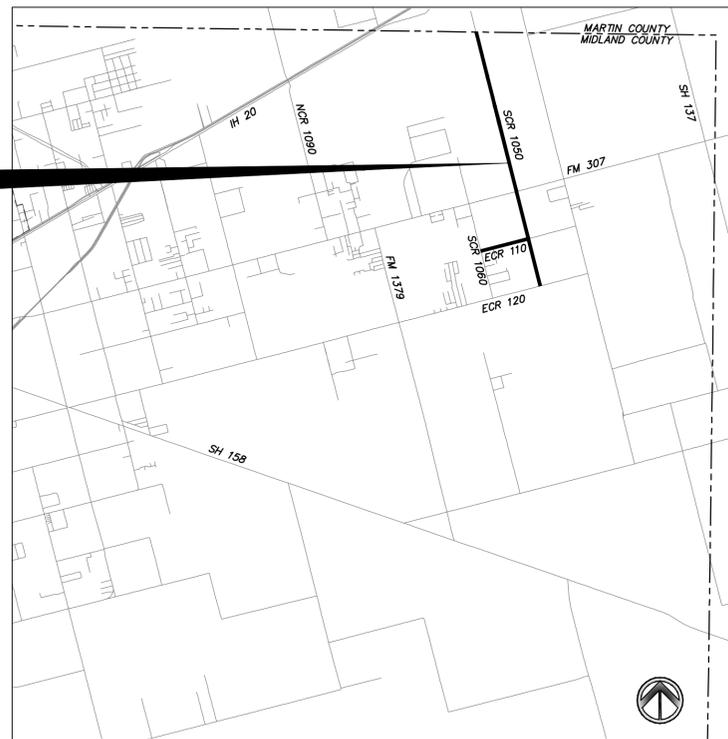
EAST COUNTY ROAD 110

OWNER:
MIDLAND COUNTY
MIDLAND, TEXAS

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

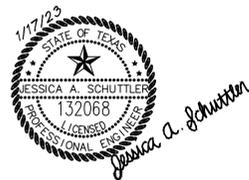
UTILITY RELOCATION NOTE:
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES,
TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT
WITH THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL
CONTACT THE APPROPRIATE UTILITY COMPANY AND
COORDINATE THE RELOCATION OF ANY/OR ALL SUCH
UTILITIES (NO SPECIAL PAY).

PROJECT LOCATION



VICINITY MAP

NOT TO SCALE



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

DA JOB NO. B006796.001

JANUARY 2023

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72	ECR 110 OVERALL ROADWAY STATIONING
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74	ECR 110 OVERALL ROADWAY STATIONING
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PLANS FOR THE RECONSTRUCTION OF SOUTH COUNTY ROAD 1050:
FROM COUNTY LINE TO EAST COUNTY ROAD 120
MIDLAND COUNTY, TEXAS

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PLOT BY: adana



WARNING TO CONTRACTOR:

CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. DUNAWAY ASSOC., L.P. 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:

BENCHMARK 80-1208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

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 REPORTS PROJECT NO. GT2101001, DATED APRIL 19, 2021 AND DECEMBER 22, 2022, 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 GEOTECHNICAL 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-104: 5/8 INCH IRON ROD WITH RED CAP LOCATED NEAR THE INTERSECTION OF COUNTY ROAD 120 AND COUNTY ROAD 1050, APPROXIMATELY 30 FEET NORTH OF THE CENTERLINE OF COUNTY ROAD 120 AND 90 FEET WEST OF THE CENTERLINE OF COUNTY ROAD 1050. NAD83 GRID COORDINATES: E:1,830,361.81 ELEVATION: 2683.46' NAVD88 DATUM
- CP-105: 5/8 INCH IRON ROD WITH RED CAP LOCATED NEAR THE INTERSECTION OF FM 307 AND COUNTY ROAD 1050, APPROXIMATELY 55 FEET SOUTH OF THE CENTERLINE OF FM 307 AND 160 FEET EAST OF THE CENTERLINE OF COUNTY ROAD 1050. NAD83 GRID COORDINATES: N: 10,716,727.89 E:1,825,841.80 ELEVATION: 2665.14' NAVD88 DATUM
- CP-106: 5/8 INCH IRON ROD WITH RED CAP LOCATED APPROXIMATELY 8,300 FEET NORTH OF FM 307 ALONG COUNTY ROAD 1050 AND LYING 25 FEET EAST OF THE CENTERLINE OF COUNTY ROAD 1050. NAD83 GRID COORDINATES: N: 10,721,891.86 E:1,824,526.71 ELEVATION: 2672.43' NAVD88 DATUM
- CP-107: 5/8 INCH IRON ROD WITH RED CAP LOCATED APPROXIMATELY 4,200 FEET SOUTH OF THE NORTH LINE OF MIDLAND COUNTY ALONG COUNTY ROAD 1050 AND LYING 25 FEET EAST OF THE CENTERLINE OF COUNTY ROAD 1050. NAD83 GRID COORDINATES: N: 10,721,891.86 E:1,824,526.71 ELEVATION: 2672.43' NAVD88 DATUM

PLAN LEGEND	
	PROPOSED ROAD CENTERLINE
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	FULL-DEPTH ROADWAY SAWCUT
	FULL-DEPTH DRIVEWAY SAWCUT
	PROPOSED EDGE OF ASPHALT
	PROPOSED DITCH CENTERLINE
	PROPOSED PROFILE LEFT DITCH FLOW LINE
	PROPOSED PROFILE RIGHT DITCH FLOW LINE
	PROPOSED CULVERT
	PROPOSED ROADWAY ASPHALT
	PROPOSED CONCRETE
	PROPOSED DRIVEWAYS 8 INCHES FLEXIBLE BASE
CP	CONTROL POINT
E	EASTING
N	NORTHING
ELEV	ELEVATION
CL	CENTERLINE
LT	LEFT
RT	RIGHT
PC	POINT OF CURVATURE
PCC	POINT OF CONTINUOUS CURVATURE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
R	RADIUS
EG	EXISTING GRADE
FL	FLOWLINE
ME	MATCH EXISTING
PGL	PROPOSED GRADE LINE
PVI	POINT OF VERTICAL INTERSECTION

EXISTING CONDITIONS	
	RIGHT-OF-WAY
	PROPERTY BOUNDARY
	ADJOINER
	ABSTRACT
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING EDGE OF ASPHALT
	EXISTING CURB
	EXISTING FENCE
	EXISTING FLOODPLAIN BOUNDARY
	EXISTING AT&T
	EXISTING CABLE
	EXISTING COMMUNICATION
	EXISTING DRAINAGE PIPE
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING FIBER-OPTIC CABLE
	EXISTING FORCE MAIN
	EXISTING GAS LINE
	EXISTING IRRIGATION
	EXISTING OVERHEAD LINES
	EXISTING UNDERGROUND PIPELINE
	EXISTING SANITARY SEWER
	EXISTING STORM DRAIN
	EXISTING TELEPHONE LINE
	EXISTING WATER LINE
	EXISTING SIGN
	EXISTING UTILITY SIGN
	EXISTING BOLLARD/FENCE POST
	EXISTING MAILBOX
	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

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		JAS		

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ N/A
VERT N/A
DATE
JANUARY 2023

DUNAWAY

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



**MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS**

GENERAL NOTES

DA PROJECT B006796.001
SHEET **1**



WARNING TO CONTRACTOR:

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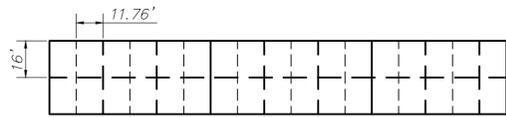
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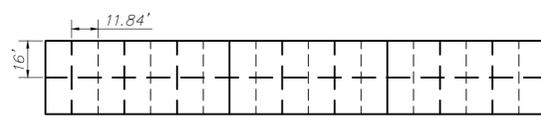
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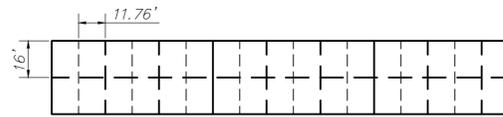
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



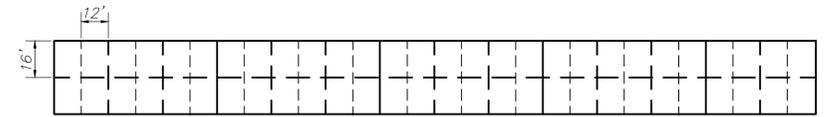
**ROAD SECTION
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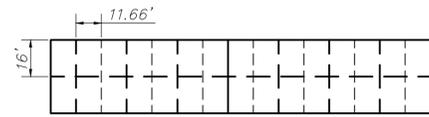
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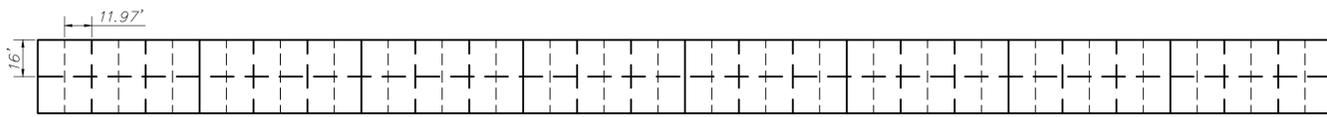
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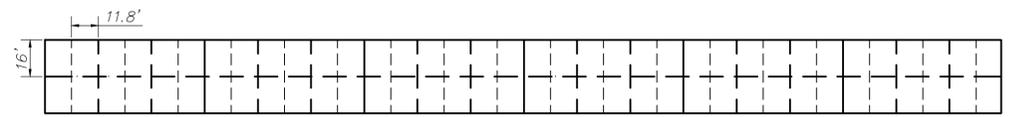
**ROAD SECTION
STA 130+75 TO 134+00**
NOT TO SCALE



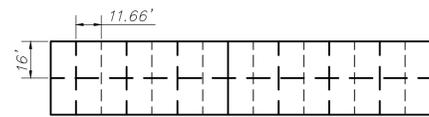
**ROAD SECTION
STA 149+25 TO 151+00**
NOT TO SCALE



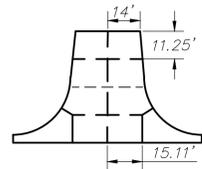
**ROAD SECTION
STA 168+75 TO 174+50**
NOT TO SCALE



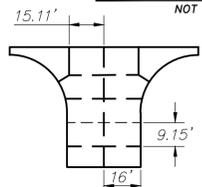
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NOT TO SCALE



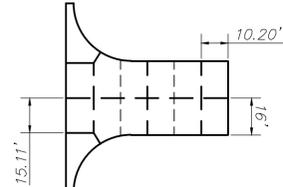
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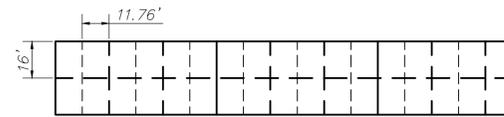
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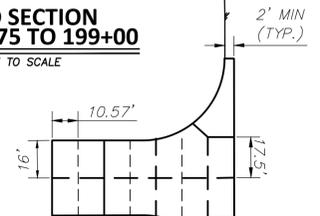
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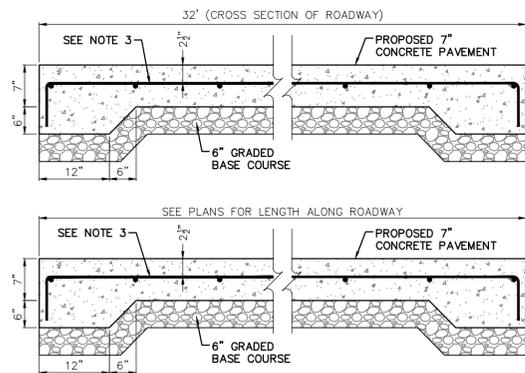
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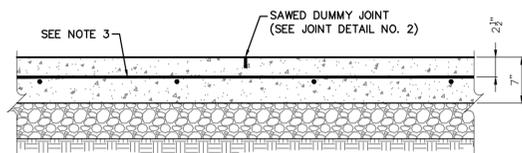
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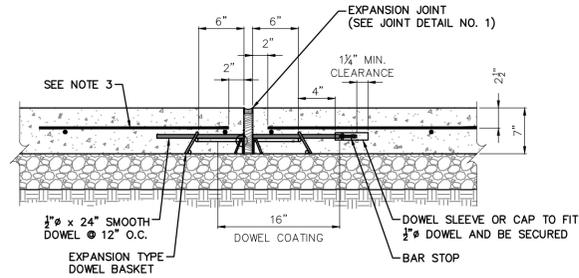
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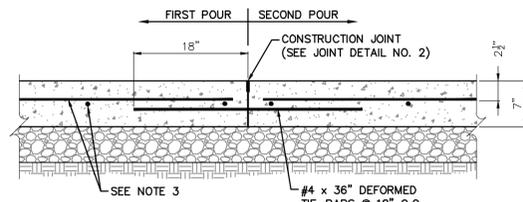
**CONCRETE
PAVEMENT TYPICAL SECTION**
NOT TO SCALE



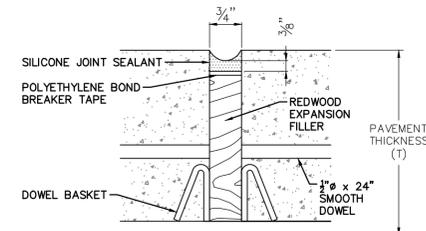
SAWED DUMMY JOINT
NOT TO SCALE



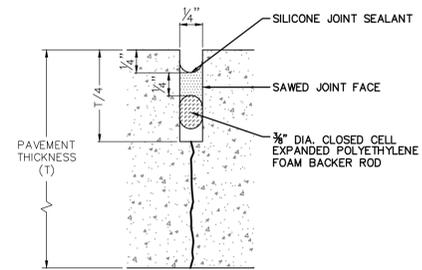
EXPANSION JOINT
NOT TO SCALE



CONSTRUCTION JOINT
NOT TO SCALE



JOINT DETAIL NO. 1
NOT TO SCALE



JOINT DETAIL NO. 2
NOT TO SCALE

PAVEMENT AND JOINT NOTES:

- CONCRETE SHALL BE CLASS "A" AND SHALL HAVE A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD AND A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 P.S.I.
- REINFORCEMENT SHALL BE #4 BARS AT 18" ON CENTER EACH WAY.
- FOR DEFORMED BAR SPICES, LAP BARS 40 DIAMETERS AND TIE.
- ALL DOWELS TO BE PLACED AT T/2.
- EXPANSION JOINTS TO BE PLACED AS SHOWN NOT TO EXCEED 100' SPACING.
- CONSTRUCTION AND SAWED DUMMY JOINTS SHALL ALTERNATE EVERY 12' (MAX.) BETWEEN EXPANSION JOINTS, OR AS SHOWN. ROADWAY CENTERLINE SHALL BE A CONSTRUCTION JOINT.
- SAWCUT FOR CONSTRUCTION JOINTS SHALL BE DONE WITHIN 8 HOURS OF POUR OR AS SOON AS CONCRETE CAN SUPPORT WEIGHT. PROVIDE A NEAT CUT WHICH IS TRUE IN ALIGNMENT.
- CONSTRUCTION JOINTS SHALL BE REQUIRED AT THE END OF A DAY'S WORK, UNLESS IT ENDS AT AN EXPANSION JOINT.
- ALL CONSTRUCTION JOINTS SHALL BE CLEANED OF DEBRIS, BLOWN DRY, AND IMMEDIATELY SEALED.
- ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
- RADIAL JOINTS SHALL BE NO SHORTER THAN 18".
- ODD SHAPED PANELS SHALL BE REINFORCED WITH #3 BARS AT 18" EACH WAY. AN ODD SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1 OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.

JOINT LEGEND

- EXPANSION JOINT
- CONSTRUCTION JOINT
- SAWED DUMMY JOINT

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NO.	REVISION	BY	DATE	CHECKED
		JLB		DESIGNED
		RVG		DRAWN
		JAS		CHECKED

MIDLAND COUNTY MIDLAND, TEXAS	SCALE
	HORIZ N/A
	VERT N/A
	DATE JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2 SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	DA PROJECT B006796.001
TYPICAL CONCRETE SECTIONS	SHEET 3



WARNING TO CONTRACTOR:

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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.

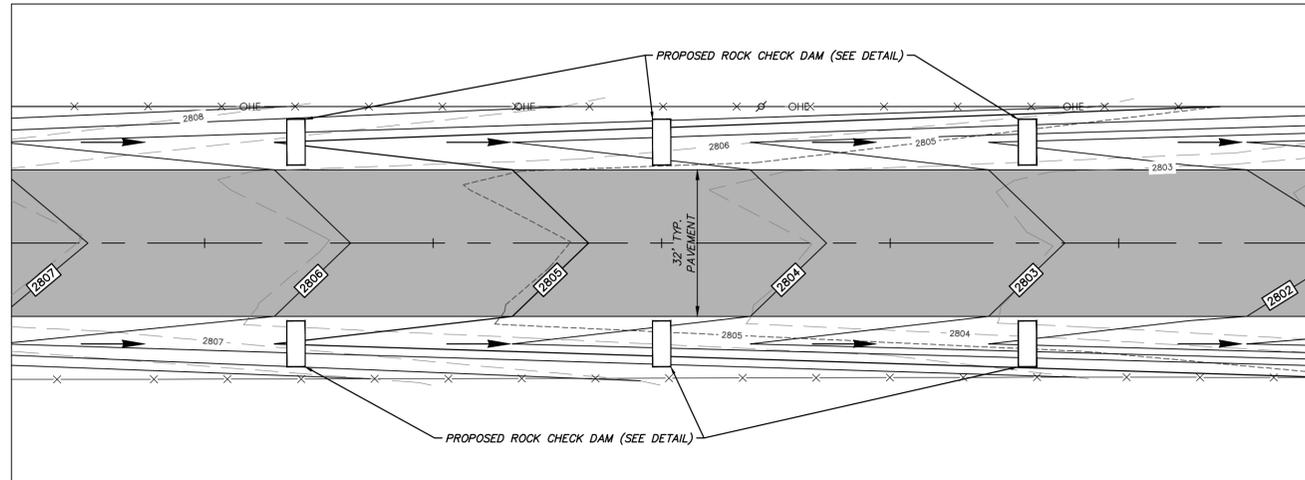
OFF-SITE BENCHMARK INFORMATION:

BENCHMARK 80-1208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

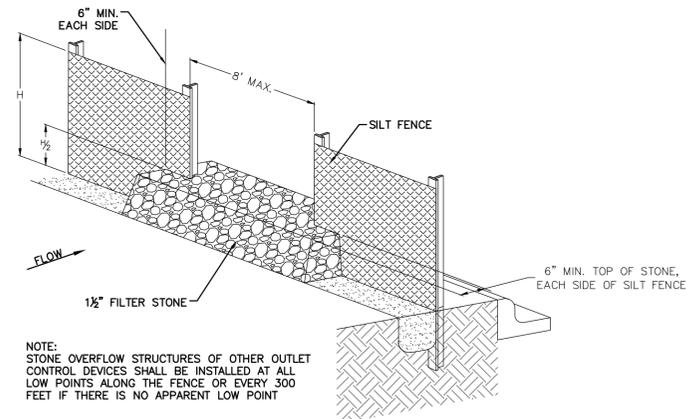
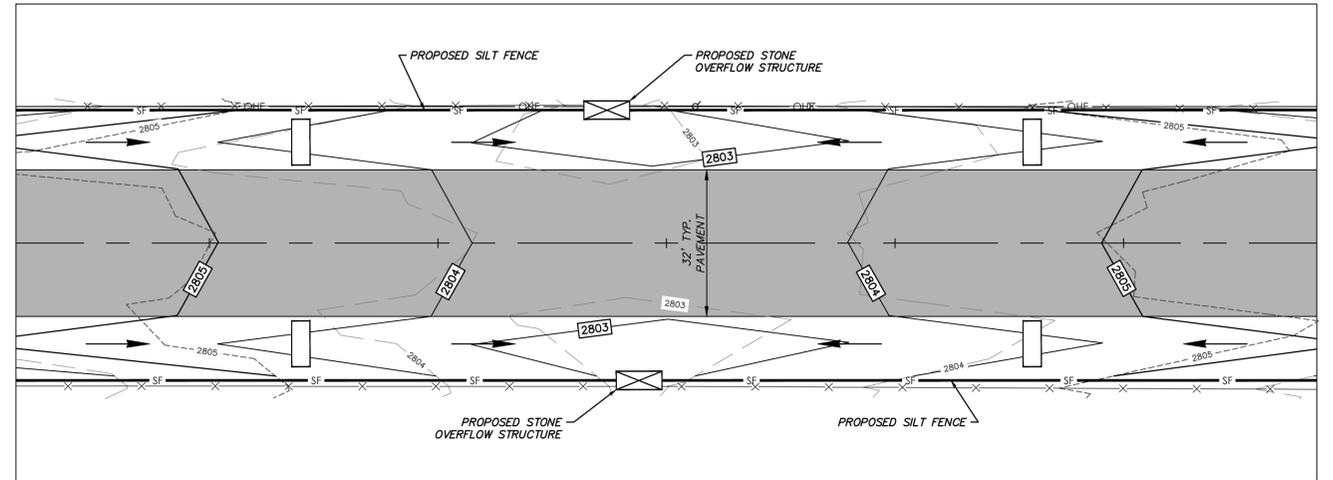
BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

TYPICAL EROSION CONTROL PLAN WITH ROADWAY DITCHES



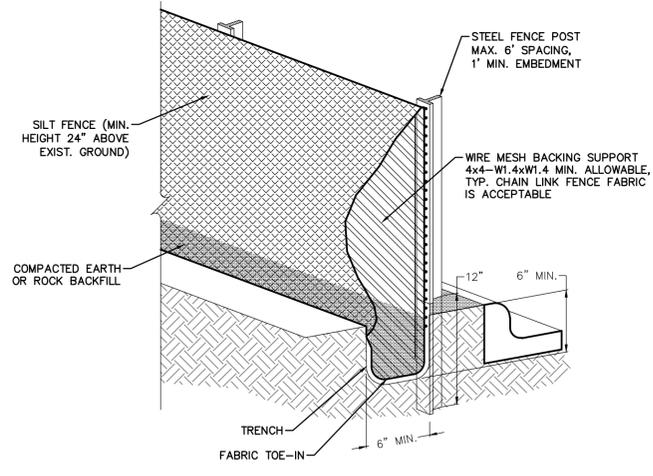
TYPICAL EROSION CONTROL PLAN WITH DRAINAGE EXITING R.O.W.



SILT FENCE STONE OVERFLOW STRUCTURE
NOT TO SCALE

SILT FENCE GENERAL NOTES:

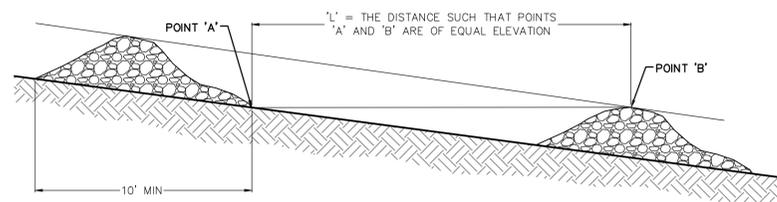
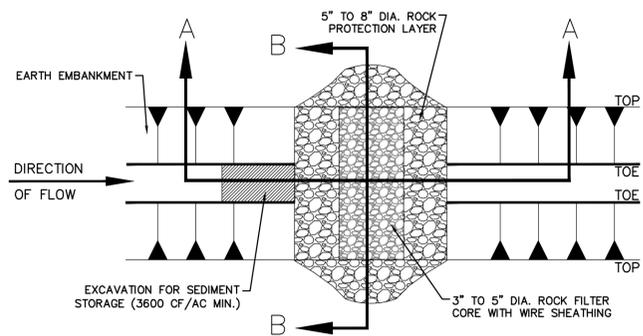
- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND 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.



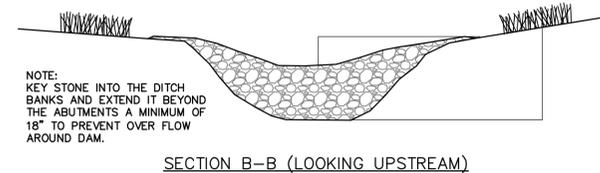
SILT FENCE
NOT TO SCALE

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



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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 PLOTTED AT: 2:47:18 PM
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NO.	REVISION	BY	DATE	CHECKED

JLB	DESIGNED
JLB	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	N/A
VERT	N/A
DATE	JANUARY 2023

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 Tel: 432.699.4889
 [TX REG. F-1114]



MIDLAND COUNTY PRECINCT 2
 SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
 MIDLAND COUNTY, TEXAS
**TYPICAL EROSION CONTROL
 PLAN AND DETAILS**

DA PROJECT
 B006796.001
 SHEET
4



WARNING TO CONTRACTOR:
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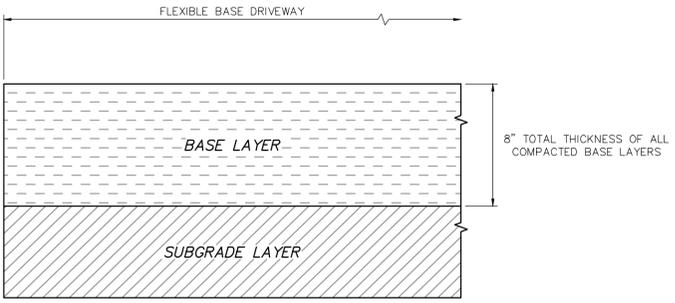
CRITICAL:
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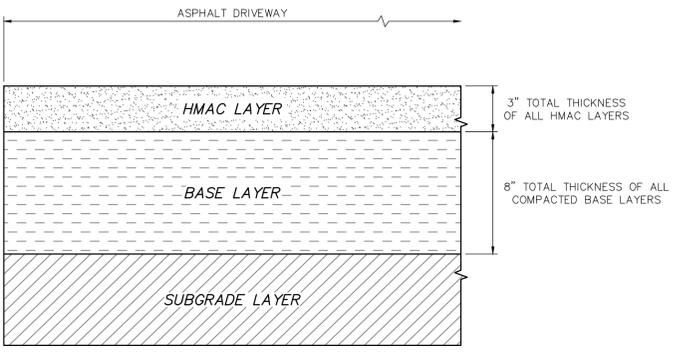
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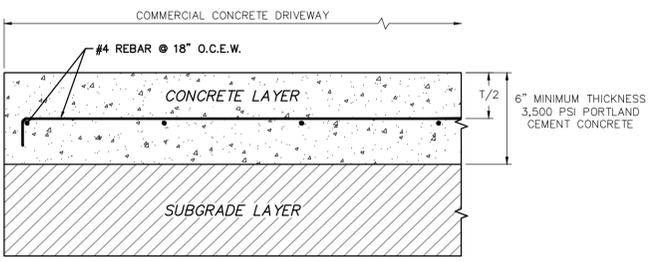
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



TYPICAL FLEXIBLE BASE DRIVEWAY SECTION
NOT TO SCALE



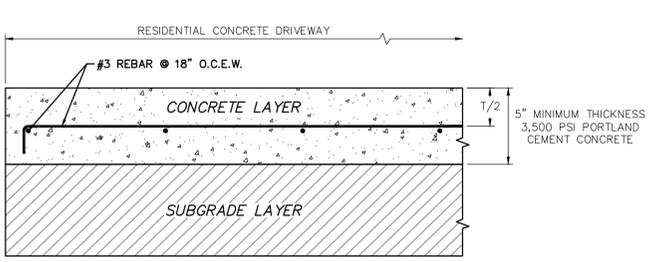
TYPICAL ASPHALT DRIVEWAY SECTION
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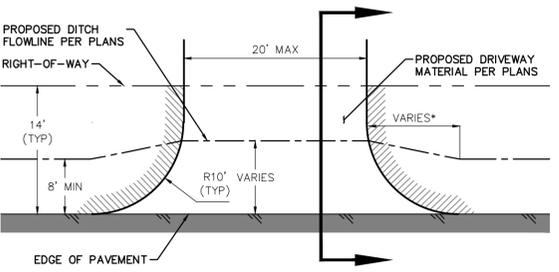
COMMERCIAL

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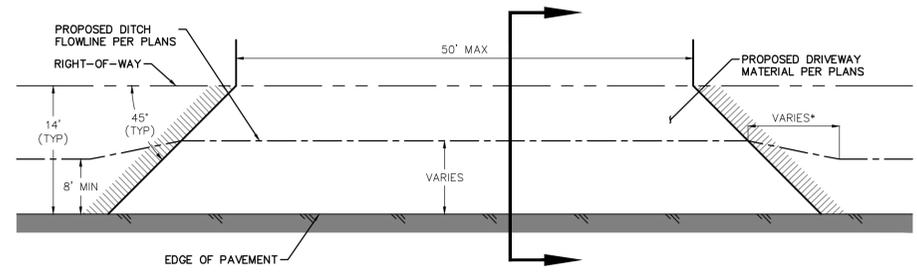
NOTE:
CONTRACTOR TO FOLLOW TYPICAL CONCRETE SECTIONS SHEET FOR JOINTING DETAILS AND NOTES.



RESIDENTIAL



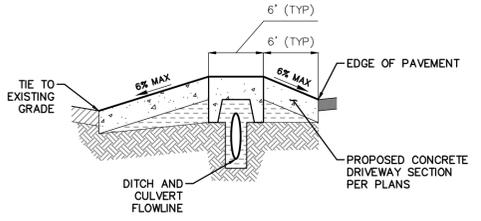
RESIDENTIAL PLAN VIEW



COMMERCIAL PLAN VIEW

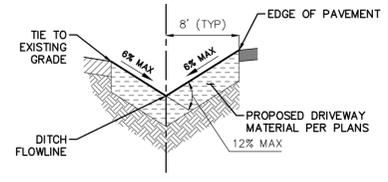
VARIES* - LENGTH TO PROVIDE A SMOOTH TRANSITION IN DITCH CENTERLINE. TYPICAL LENGTH OF 5' FOR EVERY 1' OF HORIZONTAL ADJUSTMENT (5:1).

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	CHECKED

JLB	DESIGNED
JLB	DRAWN
DALP	DALP
	CHECKED

SCALE	HORIZ	N/A
	VERT	N/A
	DATE	JANUARY 2023

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MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	5
TYPICAL DRIVEWAY DETAILS		

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 PLOTTED DATE: 1/17/23



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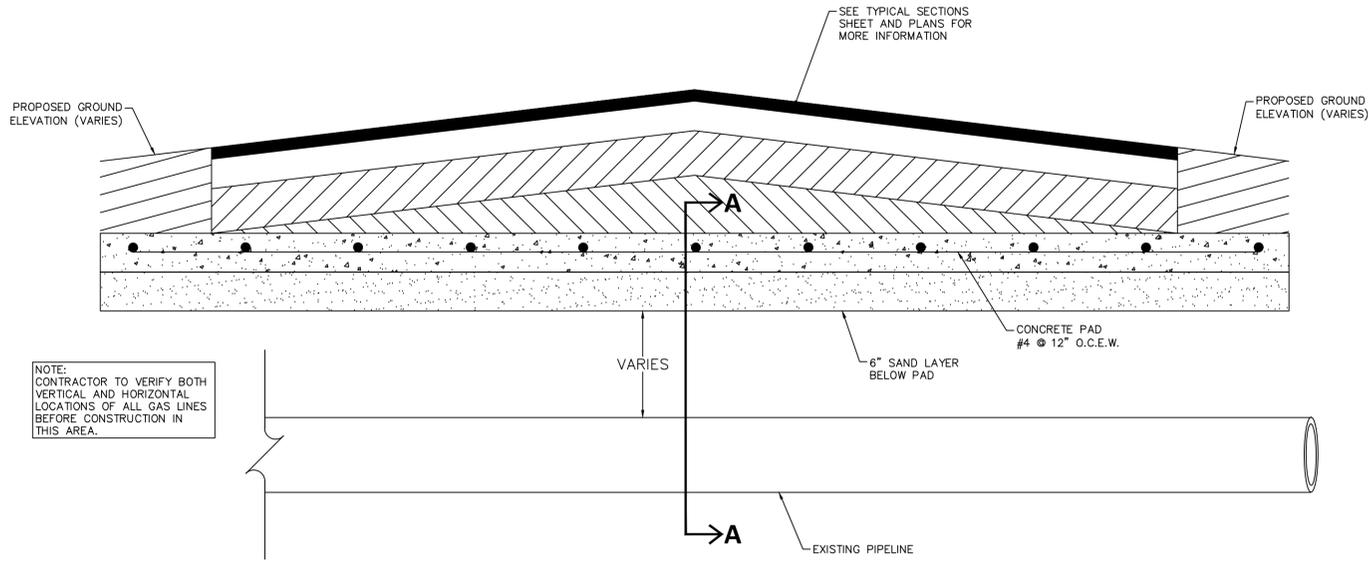
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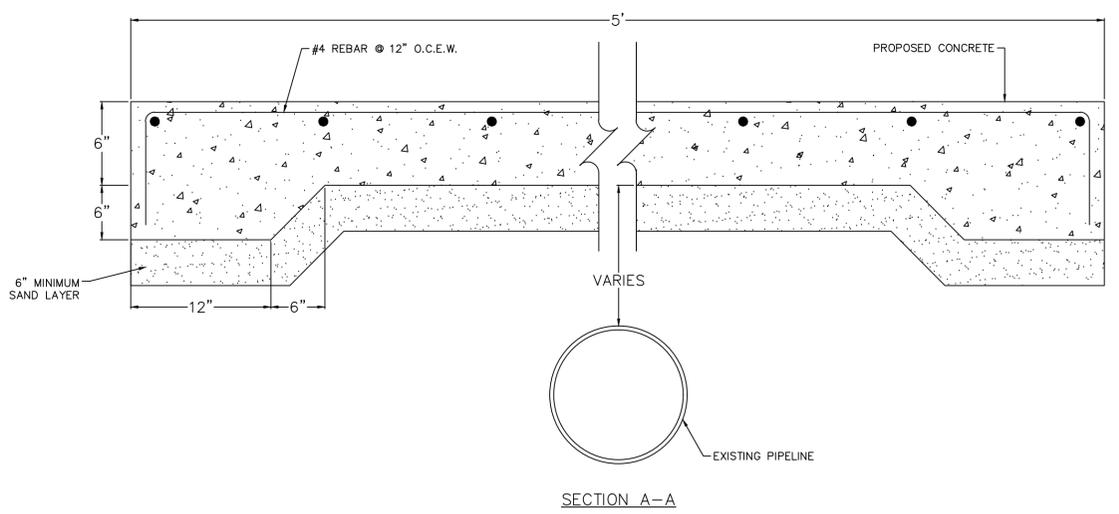
OFF-SITE BENCHMARK INFORMATION:
BENCHMARK 8071208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT.
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BENCHMARK:
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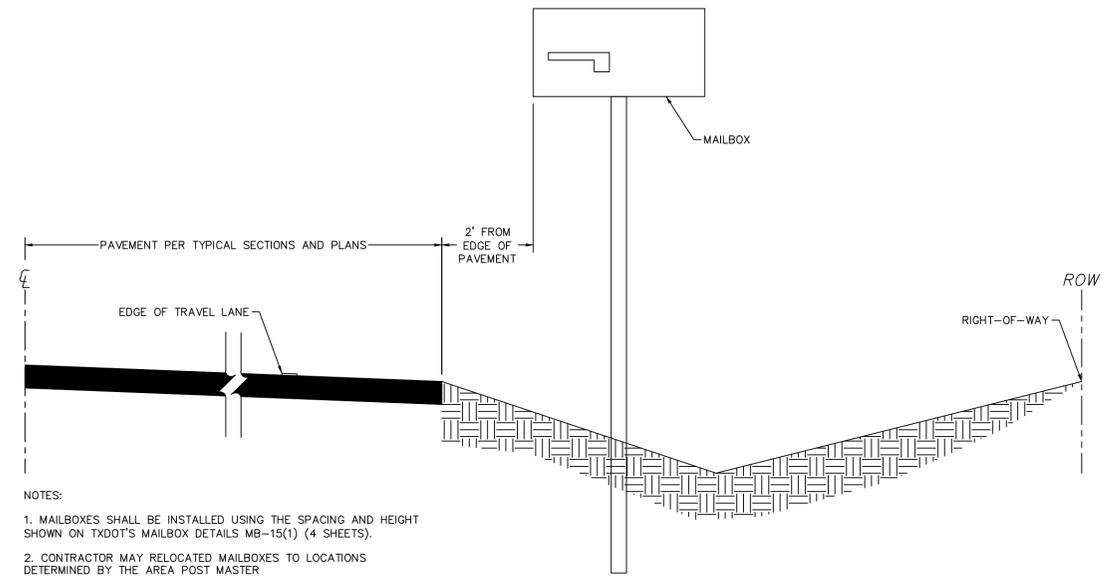


NOTE:
CONTRACTOR TO VERIFY BOTH VERTICAL AND HORIZONTAL LOCATIONS OF ALL GAS LINES BEFORE CONSTRUCTION IN THIS AREA.

- NOTES:
1. CONCRETE SHALL BE CLASS "A" AND SHALL HAVE A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD AND A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3500 P.S.I.
 2. MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO TXDOT STANDARD SPECIFICATIONS.
 3. REINFORCEMENT SHALL BE #4 BARS AT 12" ON CENTER EACH WAY.
 4. CONTRACTOR TO VERIFY BOTH VERTICAL AND HORIZONTAL LOCATIONS OF ALL GAS LINES BEFORE CONSTRUCTION IN THIS AREA.
 5. WIDTH AND LOCATION TO BE BASED ON SLAB EXTENDED APPROXIMATELY 2'-6" BEYOND OUTSIDE PIPE ON BOTH SIDES
 6. CONTACT PIPELINE OWNER A MINIMUM OF 48 HOURS PRIOR TO WORKING IN THIS AREA.
 7. NO LESS THAN SIX INCHES OF SAND OR EQUIVALENT CUSHION BETWEEN THE BOTTOM OF THE SLAB AND TOP OF EXISTING PIPELINE.
 8. MINIMUM DEPTH OF COVER IS DETERMINED BY PIPELINE OPERATOR AND MUST BE VERIFIED BY CONTRACTOR. IF NOT ENOUGH COVER IS PROVIDED, CONTACT ENGINEER.



STANDARD CONCRETE CAP FOR PIPELINE CROSSINGS
NOT TO SCALE



- NOTES:
1. MAILBOXES SHALL BE INSTALLED USING THE SPACING AND HEIGHT SHOWN ON TXDOT'S MAILBOX DETAILS MB-15(1) (4 SHEETS).
 2. CONTRACTOR MAY RELOCATED MAILBOXES TO LOCATIONS DETERMINED BY THE AREA POST MASTER

MAILBOX SPACING FROM EDGE OF PAVEMENT
NOT TO SCALE

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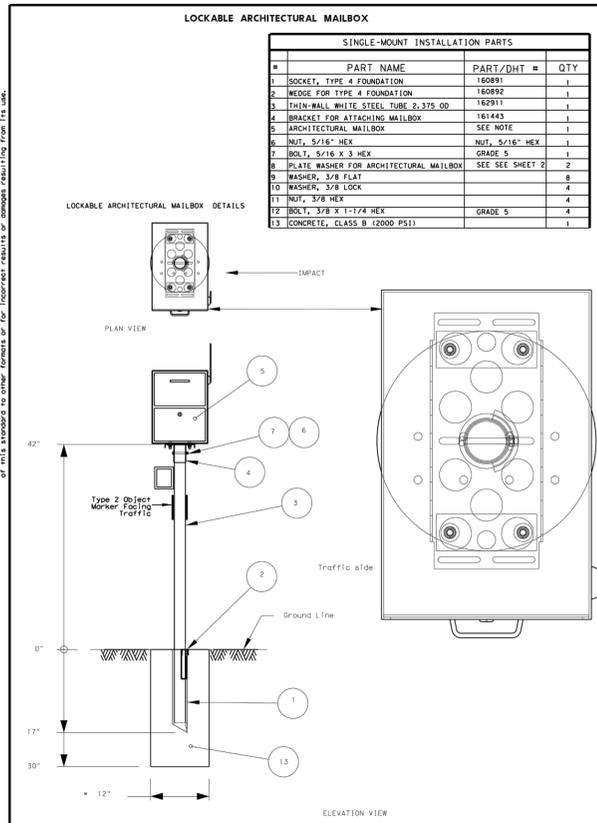
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JLB	DRAWN
DALP	DALP
	CHECKED

SCALE	HORIZ	N/A
	VERT	N/A
	DATE	JANUARY 2023

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 Tel: 432.699.4889
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MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	6
PIPE ENCASEMENT AND MAILBOX DETAILS		



DHT NUMBER	DESCRIPTION
160891	SOCKET FOR TYPE 1 FOUNDATION
160992	WEDGE FOR TYPE 4 FOUNDATION
161443	BRACKET FOR ATTACHING MAILBOX
163434	ANCHOR FOR TYPE 2 FOUNDATION
166103	ANCHOR FOR TYPE 7 FOUNDATION
160891	SOCKET FOR TYPE 4 FOUNDATION
160892	WEDGE FOR TYPE 4 FOUNDATION
166104	WEDGE FOR TYPE 7 FOUNDATION
4289	WINGED CHANNEL MAILBOX POST
149339	MULTIPLE MAILBOX POST (GALVANIZED TUBING)
164116	MULTIPLE MAILBOX POST (WHITE COATED)
166114	MULTIPLE MAILBOX POST (WHITE COATED OCTAGONAL)
166153	MULTIPLE MAILBOX POST (GALVANIZED OCTAGONAL)
161442	RECYCLED RUBBER POST, FOR SMALL MAILBOX ONLY
143426	THIN-WALL GALVANIZED STEEL TUBE 2.375" OUTER DIAMETER
162911	THINWALL WHITE STEEL TUBE 2.375" OUTER DIAMETER
166152	2" OCTAGONAL
166112	SINGLE OR DOUBLE THIN-WALL MAILBOX POST WHITECOATED
161812	REFLECTIVE SHEETING
161812	REFLECTIVE SHEETING FOR EMERGENCY LOCATION NUMBER PANEL
CONNECTING HARDWARE	
3917	ANGLE BRACKET USED FOR TEMPORARY MAILBOX SUPPORT
166105	BRACKET FOR SINGLE MOUNTING OF MAILBOXES (MOUNTING KIT)
3789	PLATE FOR DOUBLE MOUNTING OF MAILBOXES
166108	BRACKET FOR DOUBLE MOUNTING OF MAILBOXES (MOUNTING KIT)
166111	BRACKET FOR MULTIPLE MOUNTING OF MAILBOXES (MOUNTING KIT)
148939	BRACKET FOR ATTACHING SMALL OR MEDIUM SIZE MAIL BOX
148938	EXTENDER TO BRACKET FOR ATTACHING LARGE MAILBOX
159489	ANGLE BRACKET PART A
159490	ANGLE BRACKET PART B
162323	STEEL POST GALVANIZED POWERCOATED
161443	AND TO MULTIPLE WHITE MAILBOX POST
163538	CASTING (NEWSPAPER RECEPTACLE BRACKET)
163231	3-SIDE T NEWSPAPER RECEPTACLE BRACKET
160598	BOLT HEX HEAD, GALV 3/8" DIA X 3/4" L, HD, W/2-FLAT WASHERS
163750	BOLT HEX HEAD, GALV 3/8" X 1-1/2", 16 NC, W/WASHERS
160701	BOLT HEX HEAD, GALV 3/8" DIA X 2-1/2" L, HD, W/2-FLAT WASHERS
163230	BOLT HEX HEAD, GALV 3/8" X 3-1/2", 16 NC, W/2-FLAT WASHERS
160599	BOLT HEX HEAD, GALV 3/8" DIA X 3-3/4" L, HD, W/2-FLAT WASHERS
160700	BOLT HEX HEAD, GALV 3/8" DIA X 4" L, HD, W/2-FLAT WASHERS

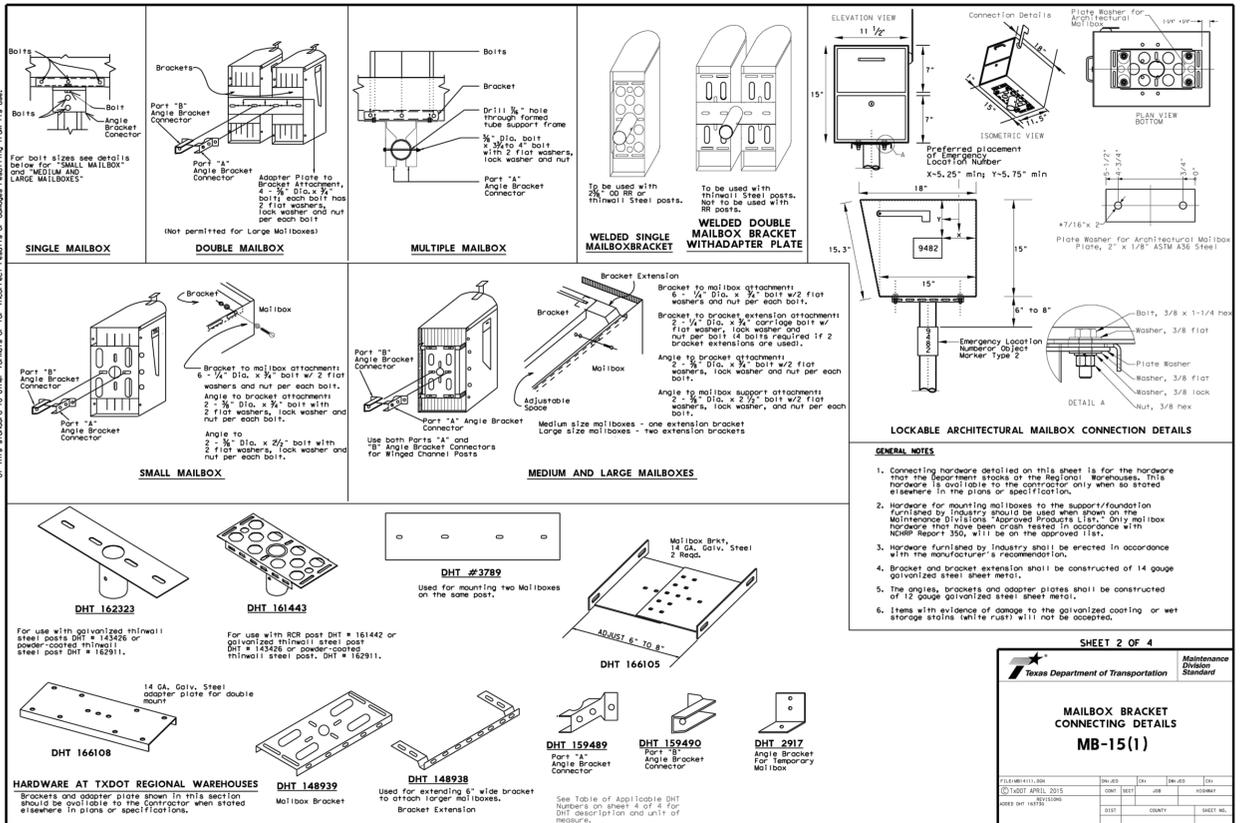
SHEET 4 OF 4

Texas Department of Transportation
Maintenance Division Standard

DHT NUMBERS TABLE
MB-15(1)

12/18/2011, 000
01/07/2015, 000
REVISED

NO.	DATE	BY	CHKD	APP	REV



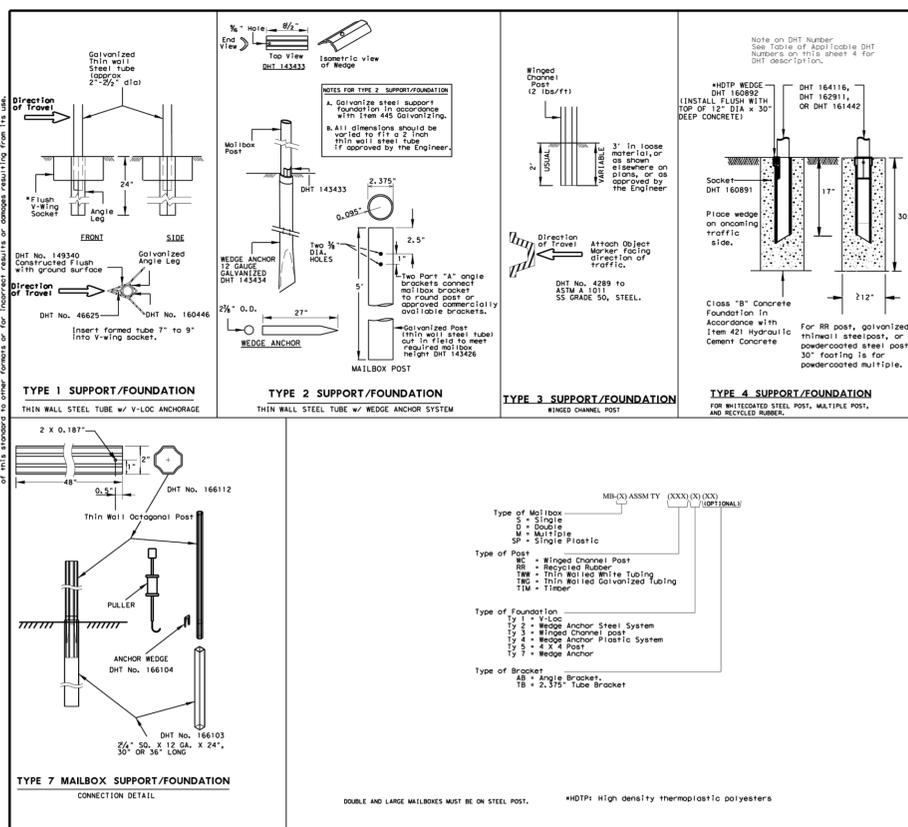
SHEET 2 OF 4

Texas Department of Transportation
Maintenance Division Standard

MAILBOX BRACKET CONNECTING DETAILS
MB-15(1)

12/18/2011, 000
01/07/2015, 000
REVISED

NO.	DATE	BY	CHKD	APP	REV



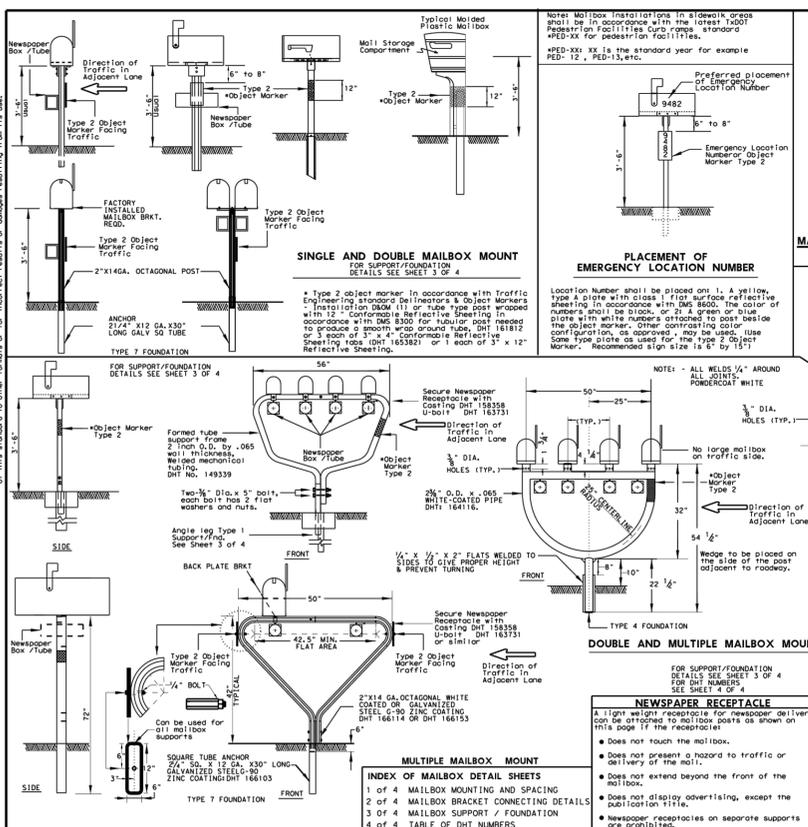
SHEET 3 OF 4

Texas Department of Transportation
Maintenance Division Standard

MAILBOX SUPPORT AND FOUNDATION
MB-15(1)

12/18/2011, 000
01/07/2015, 000
REVISED

NO.	DATE	BY	CHKD	APP	REV



SHEET 1 OF 4

Texas Department of Transportation
Maintenance Division Standard

MAILBOX MOUNTING AND SPACING
MB-15(1)

12/18/2011, 000
01/07/2015, 000
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NO.	DATE	BY	CHKD	APP	REV

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SCALE
HORIZ N/A
VERT N/A
DATE
JANUARY 2023

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

STATE OF TEXAS
132068
PROFESSIONAL ENGINEER
C. Schuster

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

DA PROJECT B006796.001
SHEET 7

TxDOT MAILBOX DETAILS

FILE NAME: T:\DOT DETAILS\DWG PLOTTED BY: Alvaro Alcudia PLOTTED AT: 2:05:58 PM 01/17/2023

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, S, and P).
- 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 legends and borders shall be applied by screening process or out-cut acrylic non-reflective black film to background sheeting, or combination thereof.
- White legends 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 legends 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

TYPICAL SIGN REQUIREMENTS

TSR (4) - 13

Aluminum Sign Blanks Thickness

Blank 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.
- Material used with this system shall conform to the following specifications:
 - 6.134 nominal wall thickness stainless or electric-resistance welded steel tubing or pipe
 - Sheet shall be 60ksi or 55 per ASTM A1011 or ASTM A1008
 - Other areas 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 2.867" to 2.893"
 - Galvanization per ASTM A153 or ASTM A653. For pre-coated steel tubing (ASTM A653), recast tube outside diameter shall be within the range of 2.867" to 2.893"
 - Schedule 80 Pipe 12.75" 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 (uncoated) shall be used if they meet the following:
 - 42,000 PSI minimum yield strength
 - 42,000 PSI minimum tensile strength
 - 215 minimum elongation in 2"
 - Wall thickness (uncoated) shall be within the range of 0.168" to 0.204"
 - 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-hand concrete mixer. For small placements, less than 0.5 cubic yards, hand mixing in a suitable container may be allowed by 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 4 days to set, unless otherwise directed by the Engineer.
- The triangular slipbase system is multifunctional and is designed to release 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 the sign plate is above the edge of the roadway). The cut shall be grade and straight.
- Use sign supports 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 stud bolt with one (1) 3/4" diameter bolt threads 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 55 ksi, respectively. Nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing." Adhesive type anchors shall have stud bolts installed with Type III epoxy per DMS-8100. Epoxies and Adhesives. Adhesive anchors must be installed in accordance with the manufacturer's recommendations. Top of bolt must extend at least 1/2 inch with top of weight concrete with 0.5 1/2" minimum embedment, shall have a minimum 10:1 water/cement ratio and shear of 3500 and 3100 psi, respectively.

FRICTION CAP 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 10 inch pipe where a sign height is 60 inches or greater. The sign support shall be galvanized steel 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: 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.
- 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, T-brackets are used for signs 24 inches or less in height. T-brackets are not used for signs of greater height.
- For horizontal rectangular signs fabricated from flat aluminum, T-brackets are used for signs 24 inches or less in height. T-brackets are not used for signs of greater height.
- Wing channel shall meet ASTM A 101 55 or 50 and be galvanized per Item 445, "Galvanizing."
- 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 height signs. Place the clamp 3 inches above bottom of sign when possible.
- Sign blanks shall be the sizes and shapes shown on the plans.

REQUIRED SUPPORT

Sign Description	Support
48-Inch STOP sign (R1-1)	TY 10806(1)XX(T)
60-Inch YIELD sign (R1-2)	TY 10806(1)XX(T)
48x48-Inch ONE-WAY sign (R6-1)	TY 10806(1)XX(T)
36x48, 48x36, and 48x48-Inch signs	TY 10806(1)XX(T)
48x60-Inch signs	TY 5801(1)XX(T)
48x48-Inch signs (diamond or square)	TY 10806(1)XX(T)
48x60-Inch signs	TY 5801(1)XX(T)
48-Inch Advance School X-ing sign (S1-1)	TY 10806(1)XX(T)
48-Inch School X-ing sign (S2-1)	TY 10806(1)XX(T)
Large Arrow sign (R1-6 & R1-7)	TY 10806(1)XX(T)

SIGN SUPPORT DESCRIPTIVE CODES

Descriptive codes correspond to project estimate and quantities sheets

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

POST

- FRP - Fiberglass Reinforced Plastic Pipe (see SMD(FRP))
- WT - Hot-Dipped Tubing (see SMD(WT))
- 10WB - 10 inch WBS tubing (see SMD(SLIP-1) to (SLIP-3))
- Sch 80 - 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 (WT))
- UB - Universal Anchor - Bolted (see SMD(FRP) and (WT))
- WA - Wedge Anchor (see SMD(WT))
- WP - Wedge Anchor Plastic (see SMD(WT))
- SA - Silabases - Galvanized (see SMD(SLIP-1) to (SLIP-3))
- SB - Silabases - Bolted (see SMD(SLIP-1) to (SLIP-3))

Sign Mounting Designation

- P - Prefab. "Pilot" (see SMD(SLIP-1) to (SLIP-3), (WT), (FRP))
- T - Prefab. "T" (see SMD(SLIP-1) to (SLIP-3), (WT))
- R - Prefab. "R" (see SMD(SLIP-1) to (SLIP-3), (WT))
- EXT or EXT - Number of Extensions (see SMD(SLIP-1) to (SLIP-3), (WT))
- EA - Extruded Alum. Window (see SMD(SLIP-1) to (SLIP-3))
- EC - 1 1/2 x 7/8 Wing Channel (see SMD(SLIP-1) to (SLIP-3))
- EXL - Extruded Aluminum Sign Panels (see SMD(SLIP-3))

REQUIRED CLEARANCE FOR BREAKAWAY SUPPORT

To avoid vehicle undercarriage snagging, any substantial remains of a breakaway support, when it is broken away, should not project more than 4 inches above a 60-inch chord (i.e., typical space between wheel centers).

SIGN LOCATION

PAVED SHOULDERS

T-INTERSECTION

LESS THAN 6 FT. WIDE

GREATER THAN 6 FT. WIDE

BEHIND BARRIER

BEHIND CONCRETE BARRIER

CURB & GUTTER OR RAISED ISLAND

TYPICAL SIGN ATTACHMENT DETAIL

Single Signs, Back-to-Back Signs

SIGNS WITH PLAQUES

RESTRICTED RIGHT-OF-WAY (When 6 ft. min. is not possible.)

FRICTION 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 drive-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.

NO.	REVISION	BY	DATE	CHECKED

TxDOT
DESIGNED
TxDOT
DRAWN
JAS

MIDLAND COUNTY MIDLAND, TEXAS

SCALE
HORIZ
N/A
VERT
N/A
DATE
JANUARY
2023

Jessica A. Schuller
Professional Engineer

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

DA PROJECT
B006796.001

SHEET
8

TxDOT SIGNAGE DETAILS

GENERAL NOTES

- For long stationary work zones on freeways, drums shall be used as the primary channelizing device.
- Intermittent line traffic control work zones on freeways, drums shall be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or two-piece cones. In tangent sections, one-piece cones may be used with the approval of the Engineer but only if all cones are present on the project at all times to maintain the cones in proper position and location.
- For short term stationary work zones on freeways, drums are the preferred channelizing device but may be replaced in tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
- Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUD) and the "Complaint Work Zone Traffic Control Devices List" (CWZTD).
- Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable markings, defects that would adversely affect their appearance or visibility.
- The Contractor shall have a maximum of 24 hours to replace a plastic drum identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

GENERAL DESIGN REQUIREMENTS

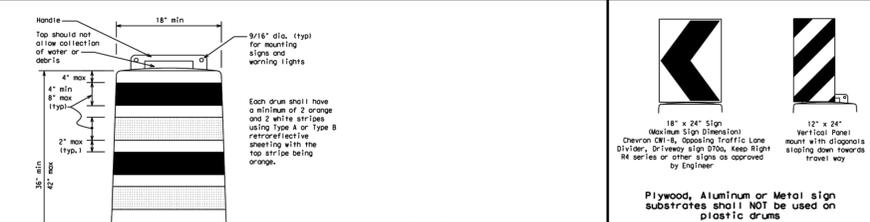
- Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
- The body and base shall lock together. In such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
- Plastic drums shall be constructed of lightweight flexible and deformable materials. The Contractor shall NOT use metal drums or single piece drums with an annular flange design or sign supports. Drums shall present a profile that is a minimum of 18 inches in width at the 12 inch height and a maximum of 36 inches in width at the top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 3/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved cone sign.
- The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective stripes on each side, not less than 4 inches nor greater than 8 inches in width. Any non-retroreflective space between two adjacent stripes shall not exceed 2 inches in width.
- Drums shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footcandle of sufficient size to allow base to be held down with a minimum of 50 lbs. of force.
- Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
- Drum body shall have a maximum unbolled weight of 11 lbs.
- Drum and base shall be marked with manufacturer's name and model number.

RETROREFLECTIVE SHEETING

- The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Department Materials Specification 860-8300, "Sign Face Materials, Type A or Type B reflective sheeting shall be supplied unless otherwise specified in the contract documents."
- The sheeting shall be suitable for use on and shall adhere to the drum surface. The sheeting shall be applied in a manner that the sheeting adheres to the drum and does not delaminate, crack, or lose retroreflective properties other than loss due to abrasion of the sheeting surface.

BALLAST

- Unbolled bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with ballast, shall weigh between 35 lbs. minimum and 50 lbs. maximum. The ballast may be sand in one to three inch nominal size, or fine aggregate, sand in a well-graded plastic base, or other ballasting devices as approved by the Engineer. Stringing of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches.
- Bases with built-in ballast shall weigh between 40 lbs. and 50 lbs. Built-in ballast can be constructed of an integral concrete base or a solid rubber base.
- Repacked truck tires shall be used for ballast on drums approved for this type of ballast on the CWZTD list.
- The ballast shall not be gravel, cinders, or any material that would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
- When used in regions susceptible to freezing, drums shall have drainage holes in the base that will collect and prevent becoming a hazard when struck by a vehicle.
- Ballast shall not be placed on top of drums.
- Adhesives may be used to secure base to drum to prevent.



SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

- Signs used on plastic drums shall be manufactured using substrates listed on the CWZTD.
- Chevrons and other work zone signs with an orange background shall be manufactured with Type B₁ or Type C₁ orange sheeting meeting the color and retroreflectivity requirements of the CWZTD list, "Sign Face Materials, Type A or Type B reflective sheeting shall be supplied unless otherwise specified in the contract documents."
- Vertical panels shall be manufactured with orange and white sheeting meeting the requirements of 860-8300 Type A or Type B. Discrete stripes on vertical panels shall slope down toward the intended traveled lane.
- Other sign messages (text or symbolic) may be used as approved by the Engineer. Sign dimensions shall not exceed 18 inches in width or 24 inches in height, except for the R9 series signs discussed in note 8 below.
- Signs shall be installed using a 1/2 inch bolt/nut assembly for each corner, two washers, and one locking washer on each corner.
- Mounting bolts and nuts shall be fully engaged and adequately torqued. Bolts shall not extend more than 1/2 inch beyond nuts.
- Chevrons may be placed on drums on the outside of curves, on merging tapers or on shifting tapers. When used in these locations, they may be placed on every drum or placed more than on every third drum. A minimum of three (3) drums should be used on each location in order for the signs to be effective.
- R9-9, R9-10, R9-11 and R9-11 Slowdown Closed signs which are 24 inches wide may be mounted on plastic drums, with approval of the Engineer.

DETECTABLE PEDESTRIAN BARRICADES

- When existing pedestrian facilities are altered, closed, or relocated in a TCE zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Refer to 860-8300 for Pedestrian Control requirements for Sidewalk Alterations, Sidewalk Detours and Crosswalk Closures.
- Where pedestrians with visual disabilities are expected to use the closed sidewalk, a detectable pedestrian barricade shall be placed across the full width of the closed sidewalk instead of a Type 3 Barricade.
- Detectable pedestrian barricades similar to the one pictured above, longitudinal channelizing devices, cone concrete barriers, and wood or chain link fencing with a continuous path.
- When used on a sidewalk, detectable pedestrian barricades shall be detectable, do not comply with the design standards in the CWZTD list, "Sign Face Materials, Type A or Type B reflective sheeting shall be supplied unless otherwise specified in the contract documents." and should not be used as a control for pedestrian movements.
- Warning lights shall not be attached to detectable pedestrian barricades.
- Detectable pedestrian barricades should use a minimum barricade rating on the BC111 provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.

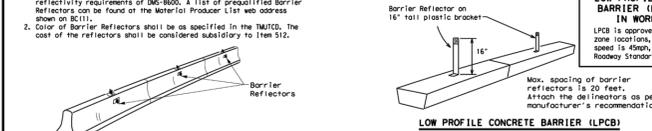
SHEET 8 OF 12

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

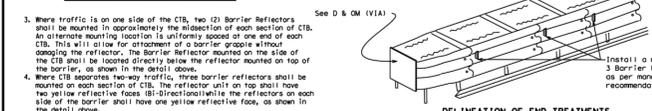
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1-62	02-21-00	NEW
1-63	02-21-00	NEW
1-64	02-21-00	NEW
1-65	02-21-00	NEW
1-66	02-21-00	NEW
1-67	02-21-00	NEW
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1-73	02-21-00	NEW
1-74	02-21-00	NEW
1-75	02-21-00	NEW
1-76	02-21-00	NEW
1-77	02-21-00	NEW
1-78	02-21-00	NEW
1-79	02-21-00	NEW
1-80	02-21-00	NEW
1-81	02-21-00	NEW
1-82	02-21-00	NEW
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1-94	02-21-00	NEW
1-95	02-21-00	NEW
1-96	02-21-00	NEW
1-97	02-21-00	NEW
1-98	02-21-00	NEW
1-99	02-21-00	NEW
1-100	02-21-00	NEW

LOW PROFILE CONCRETE BARRIER (LPCB) USED IN WORK ZONES



CONCRETE TRAFFIC BARRIER (CTB)



DELINEATION OF END TREATMENTS



END TREATMENTS FOR CTB'S USED IN WORK ZONES

- End treatments used on CTB's in work zones shall meet the appropriate contractor's standards as defined in the Manual for Assessing Safety Hardware (MASH). Refer to the CWZTD list for approved end treatments and manufacturers.

WARNING LIGHTS

- Warning lights shall meet the requirements of the TMUD.
- Warning lights shall NOT be installed on top of drums.
- Type A (low intensity) flashing warning lights are commonly used with drums. They are intended to warn of or mark a potentially hazardous area. Their use shall be as indicated on this sheet and other sheets of the plans by the designation "A". The Type A Warning Lights shall not be used with signs manufactured with Type B₁ or Type C₁ sheeting meeting the requirements of Department Materials Specification 860-8300.
- Type C and Type D 360 degree Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as indicated on this sheet and other sheets of the plans by the designation "C".
- The Engineer/Inspector or the plans shall specify the location and type of warning lights to be installed on the traffic control devices.
- When required by the Engineer, the Contractor shall identify the location and type of warning lights to be installed on the traffic control devices. The Contractor shall identify the location and type of warning lights to be installed on the traffic control devices. The Contractor shall identify the location and type of warning lights to be installed on the traffic control devices.
- When used to delineate curves, Type C and Type D Steady Burn Lights shall only be placed on the outside of the curve, not the inside.
- The location of warning lights and warning reflectors on drums shall be as shown elsewhere in the plans.

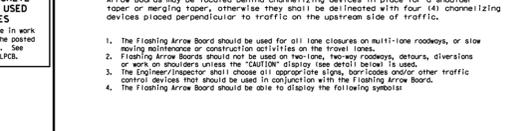
WARNING LIGHTS MOUNTED ON PLASTIC DRUMS

- Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
- Type A cones flashing warning lights are intended for delineation and shall not be used for delineation. If used, the successful flashing from the sequent flashing lights toward the beginning of the taper to the end of the merging taper, or to identify the desired vehicle path. The rate of flashing for each light shall be 65 flashes per minute, plus or minus 10 flashes.
- Type C and D steady burn warning lights are intended to delineate the edge of the travel lane on detours, on lane closures, on lane closures, and on other similar conditions.
- Type C and D steady burn warning lights are intended to delineate locations as detailed on other sheets in the plans.
- Warning lights shall not be installed on a drum that has a sign, chevron or vertical panel.
- The maximum spacing for warning lights on drums should be identical to the channelizing device spacing.

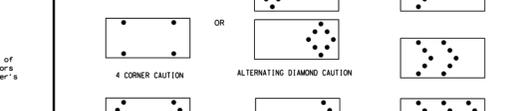
WARNING REFLECTORS MOUNTED ON PLASTIC DRUMS AS A SUBSTITUTE FOR TYPE C (STEADY BURN) WARNING LIGHTS

- A warning reflector or approved substitute may be mounted on a plastic drum as a substitute for a Type C, steady burn warning light at the location of the Contractor unless otherwise noted in the plans.
- The warning reflector shall be yellow in color and shall be manufactured using a sign substrate approved for use with plastic drums listed on the CWZTD.
- The warning reflector shall have a minimum retroreflective surface area (one side) of 30 square inches.
- Round reflectors shall be fully reflective, including the area where attached to the drum.
- Square substrates shall have a minimum of 30 square inches of retroreflective sheeting. They do not have to be retroreflective where it attaches to the drum.
- The size of the warning reflector facing approaching traffic shall meet sheeting meeting the color and retroreflectivity requirements for 860-8300 Type A or Type C.
- When used near two-way traffic, both sides of the warning reflector shall be retroreflective.
- The warning reflector should be mounted on the sign of the nearest opposing traffic.
- The maximum spacing for warning reflectors should be identical to the channelizing device spacing requirements.

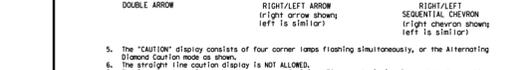
LOW PROFILE CONCRETE BARRIER (LPCB) USED IN WORK ZONES



CONCRETE TRAFFIC BARRIER (CTB)



DELINEATION OF END TREATMENTS



END TREATMENTS FOR CTB'S USED IN WORK ZONES

- End treatments used on CTB's in work zones shall meet the appropriate contractor's standards as defined in the Manual for Assessing Safety Hardware (MASH). Refer to the CWZTD list for approved end treatments and manufacturers.

WARNING LIGHTS

- Warning lights shall meet the requirements of the TMUD.
- Warning lights shall NOT be installed on top of drums.
- Type A (low intensity) flashing warning lights are commonly used with drums. They are intended to warn of or mark a potentially hazardous area. Their use shall be as indicated on this sheet and other sheets of the plans by the designation "A". The Type A Warning Lights shall not be used with signs manufactured with Type B₁ or Type C₁ sheeting meeting the requirements of Department Materials Specification 860-8300.
- Type C and Type D 360 degree Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as indicated on this sheet and other sheets of the plans by the designation "C".
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- When used to delineate curves, Type C and Type D Steady Burn Lights shall only be placed on the outside of the curve, not the inside.
- The location of warning lights and warning reflectors on drums shall be as shown elsewhere in the plans.

WARNING LIGHTS MOUNTED ON PLASTIC DRUMS

- Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
- Type A cones flashing warning lights are intended for delineation and shall not be used for delineation. If used, the successful flashing from the sequent flashing lights toward the beginning of the taper to the end of the merging taper, or to identify the desired vehicle path. The rate of flashing for each light shall be 65 flashes per minute, plus or minus 10 flashes.
- Type C and D steady burn warning lights are intended to delineate the edge of the travel lane on detours, on lane closures, on lane closures, and on other similar conditions.
- Type C and D steady burn warning lights are intended to delineate locations as detailed on other sheets in the plans.
- Warning lights shall not be installed on a drum that has a sign, chevron or vertical panel.
- The maximum spacing for warning lights on drums should be identical to the channelizing device spacing.

WARNING REFLECTORS MOUNTED ON PLASTIC DRUMS AS A SUBSTITUTE FOR TYPE C (STEADY BURN) WARNING LIGHTS

- A warning reflector or approved substitute may be mounted on a plastic drum as a substitute for a Type C, steady burn warning light at the location of the Contractor unless otherwise noted in the plans.
- The warning reflector shall be yellow in color and shall be manufactured using a sign substrate approved for use with plastic drums listed on the CWZTD.
- The warning reflector shall have a minimum retroreflective surface area (one side) of 30 square inches.
- Round reflectors shall be fully reflective, including the area where attached to the drum.
- Square substrates shall have a minimum of 30 square inches of retroreflective sheeting. They do not have to be retroreflective where it attaches to the drum.
- The size of the warning reflector facing approaching traffic shall meet sheeting meeting the color and retroreflectivity requirements for 860-8300 Type A or Type C.
- When used near two-way traffic, both sides of the warning reflector shall be retroreflective.
- The warning reflector should be mounted on the sign of the nearest opposing traffic.
- The maximum spacing for warning reflectors should be identical to the channelizing device spacing requirements.

TRUCK-MOUNTED ATTENUATORS

- Truck-mounted attenuators (TMAs) used on TxDOT facilities must meet the requirements outlined in the Manual for Assessing Safety Hardware (MASH).
- Refer to the CWZTD for the requirements of Level 2 or Level 3 TMAs.
- Refer to the CWZTD for a list of approved TMAs.
- TMAs are required on freeways unless otherwise noted in the plans.
- TMAs should be used on any other facility that is 30 to 100 feet in length of the area of an exposure without a shoulder or other protective device.
- The only reason a TMA should not be required is when a work area is spread over the roadway and the work area is an extended distance from the TMA.

BARRICADE AND CONSTRUCTION ARROW PANEL, REFLECTOR, WARNING LIGHTS & ATTENUATOR

SHEET 7 OF 12

BC (7) - 21

ITEM	DATE	DESCRIPTION	BY	CHECKED	DATE
1-1	02-21-00	NEW
1-2	02-21-00	NEW
1-3	02-21-00	NEW
1-4	02-21-00	NEW
1-5	02-21-00	NEW
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1-7	02-21-00	NEW
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1-11	02-21-00	NEW
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1-13	02-21-00	NEW
1-14	02-21-00	NEW
1-15	02-21-00	NEW
1-16	02-21-00	NEW
1-17	02-21-00	NEW
1-18	02-21-00	NEW	



WARNING TO CONTRACTOR:

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CRITICAL:

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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.

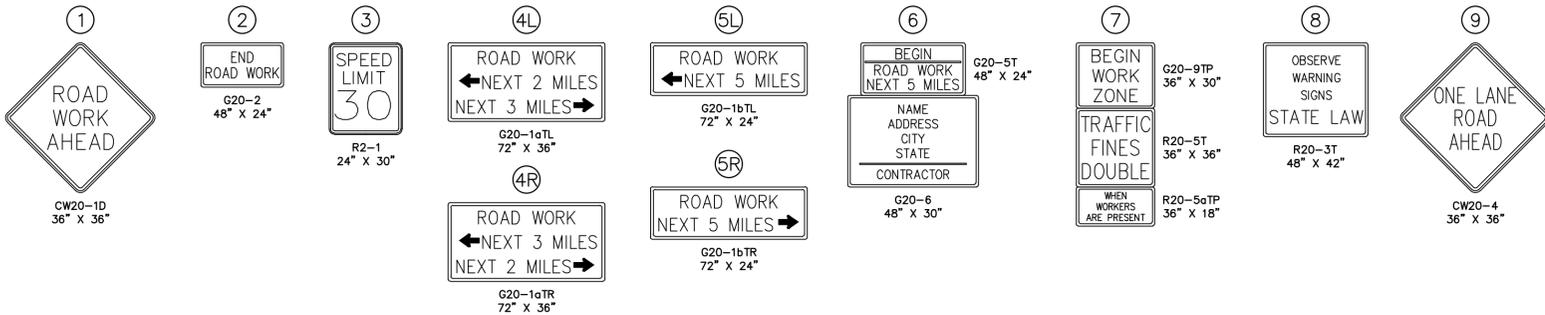
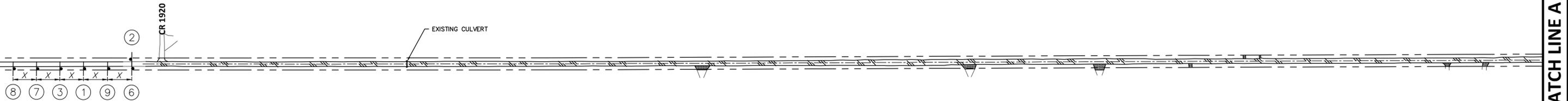
OFF-SITE BENCHMARK INFORMATION:

BENCHMARK 80/1208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

BENCHMARK:

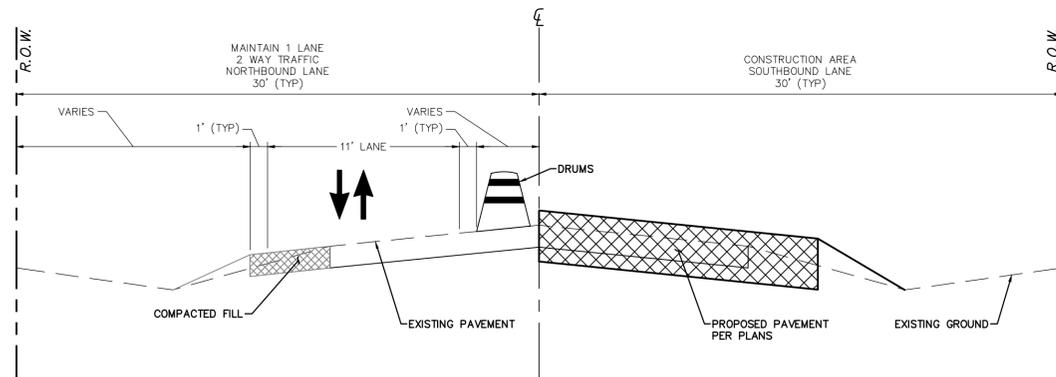
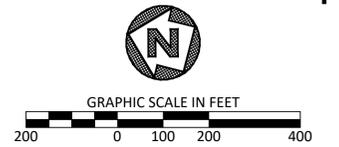
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

COUNTY ROAD 1050



GENERAL TRAFFIC CONTROL NOTES:

1. THE ADVANCE WARNING SIGNS SHALL BE LOCATED IN ADVANCE OF THE PHASING TRAFFIC CONTROL SEQUENCING FOR THE ABOVE LOCATIONS.
2. THE ADVANCE WARNING SIGNS SHALL REMAIN IN PLACE FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEAR ZONE (MEASURED FROM THE EDGE OF THE ADJACENT TRAFFIC LANE) DURING NON-WORK HOURS.
4. "X" REFER TO BC(2)-21 FOR SPACING.
5. WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TXDOT STANDARDS TCP(2-8)-18. BOTH LANES OF TRAFFIC WILL REMAIN OPEN DURING CONSTRUCTION.



TCP PHASE 1 TRAFFIC:

1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANES TO NORTHBOUND SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON SOUTHBOUND SIDE. REFER TO TCP(2-8)-18.
3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.

TCP PHASE 2 TRAFFIC:

1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANES TO SOUTHBOUND SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON NORTHBOUND SIDE. REFER TO TCP(2-8)-18.
3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.

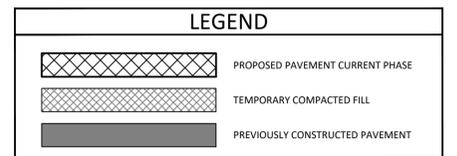
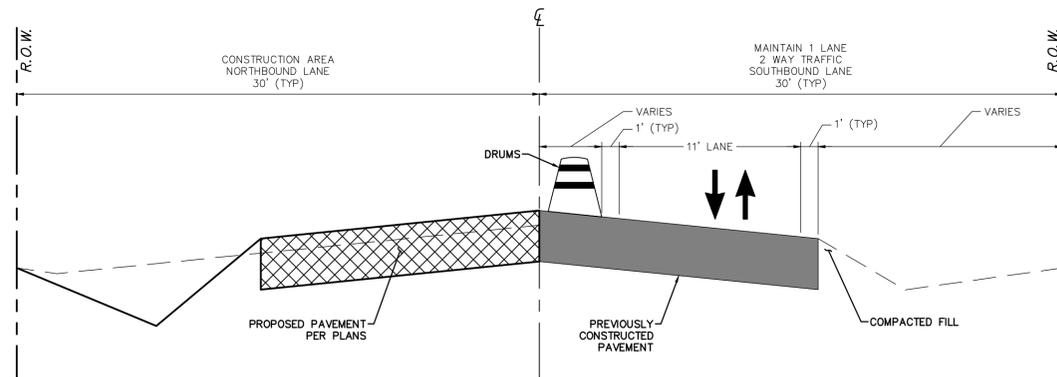
SUGGESTED SEQUENCE OF WORK

CONSTRUCTION:

1. INSTALL TEMPORARY COMPACTED FILL AS REQUIRED.
2. REMOVE EXISTING HMA/C PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON SOUTHBOUND SIDE.
3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON SOUTHBOUND SIDE.
4. INSTALL TEMPORARY SIGNS AND PAVEMENT MARKINGS.

CONSTRUCTION:

1. INSTALL TEMPORARY COMPACTED FILL AS REQUIRED.
2. REMOVE EXISTING HMA/C PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON NORTHBOUND SIDE.
3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON NORTHBOUND SIDE.
4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
5. COMPLETE CLEAN UP.



FULL PATH: G:\Production\4000\006796\006796\001\CAD\Drawings\Plan\Traffic Control\PLAN.dwg

FILENAME: TRAFFIC CONTROL PLAN.dwg
PLOTTER BY: Alton Adams
PLOTTED AT: 5:23:38 PM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	
AJA	DRAWN	
BWA	BWA	

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ 1"=250'
VERT N/A
DATE JANUARY 2023

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
1-17-2023
DATE

MIDLAND COUNTY PRECINCT 2	DA PROJECT B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET
SCR 1050 ADVANCE WARNING SIGNS 1 OF 4	13



WARNING TO CONTRACTOR:

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OFF-SITE BENCHMARK INFORMATION:

BENCHMARK 80/1208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

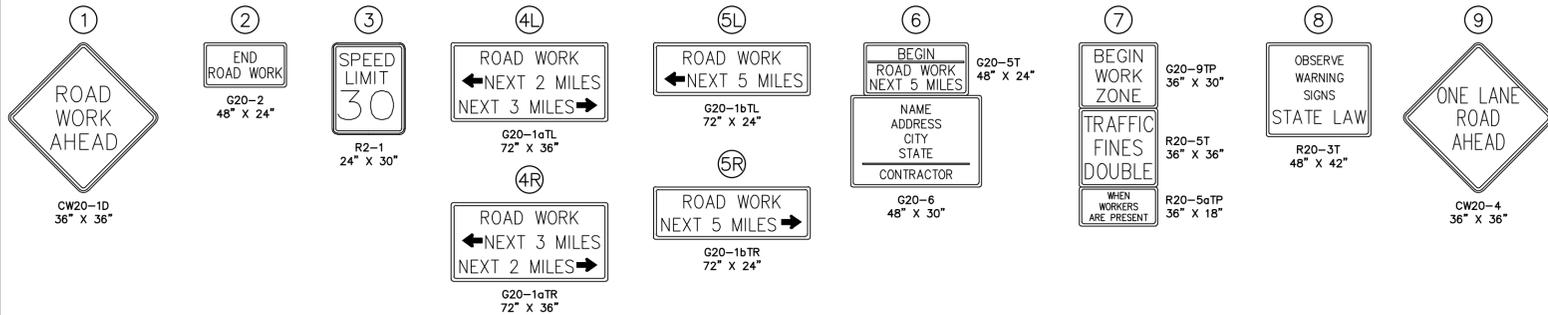
BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

COUNTY ROAD 1050

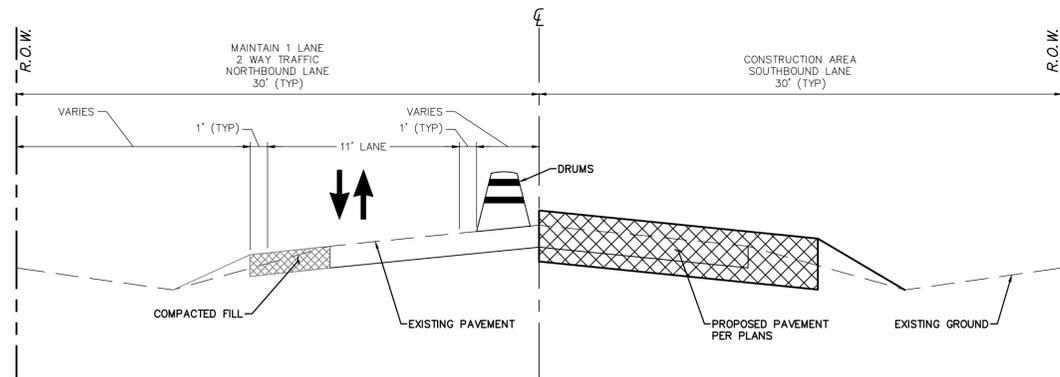
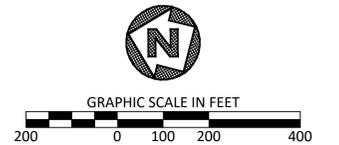
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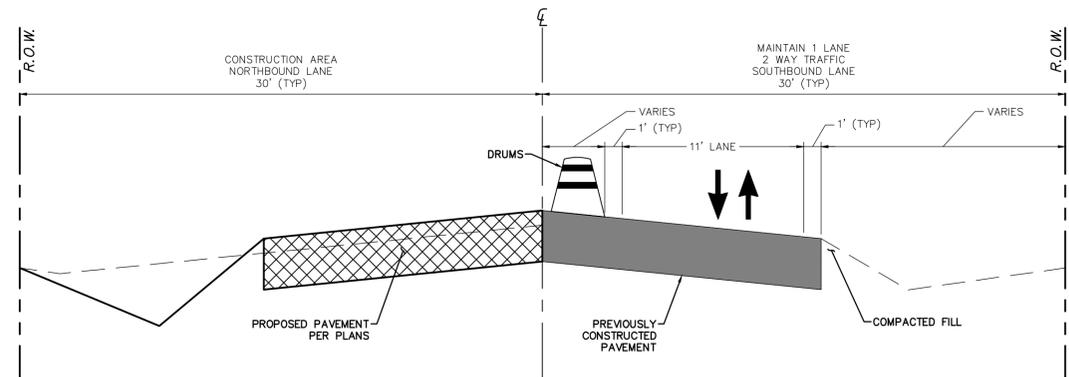


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3. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEAR ZONE (MEASURED FROM THE EDGE OF THE ADJACENT TRAFFIC LANE) DURING NON-WORK HOURS.
4. "X" REFER TO BC(2)-21 FOR SPACING.
5. WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TXDOT STANDARDS TCP(2-8)-18. BOTH LANES OF TRAFFIC WILL REMAIN OPEN DURING CONSTRUCTION.



TCP PHASE 1
NOT TO SCALE



TCP PHASE 2
NOT TO SCALE

SUGGESTED SEQUENCE OF WORK

TCP PHASE 1 TRAFFIC:

1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANES TO NORTHBOUND SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON SOUTHBOUND SIDE. REFER TO TCP(2-8)-18.
3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.

TCP PHASE 2 TRAFFIC:

1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANES TO SOUTHBOUND SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON NORTHBOUND SIDE. REFER TO TCP(2-8)-18.
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CONSTRUCTION:

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2. REMOVE EXISTING HMA/C PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON SOUTHBOUND SIDE.
3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON SOUTHBOUND SIDE.
4. INSTALL TEMPORARY SIGNS AND PAVEMENT MARKINGS.

CONSTRUCTION:

1. INSTALL TEMPORARY COMPACTED FILL AS REQUIRED.
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4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
5. COMPLETE CLEAN UP.

LEGEND	
	PROPOSED PAVEMENT CURRENT PHASE
	TEMPORARY COMPACTED FILL
	PREVIOUSLY CONSTRUCTED PAVEMENT

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PLOTTER BY: ARIAN ADKINS
PLOTTED AT: 5:32:48 PM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	
AJA	DRAWN	
BWA	CHECKED	

SCALE	HORIZ	1"=250'
	VERT	N/A
	DATE	JANUARY 2023

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
1-17-2023
DATE

MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	14
SCR 1050 ADVANCE WARNING SIGNS		
2 OF 4		



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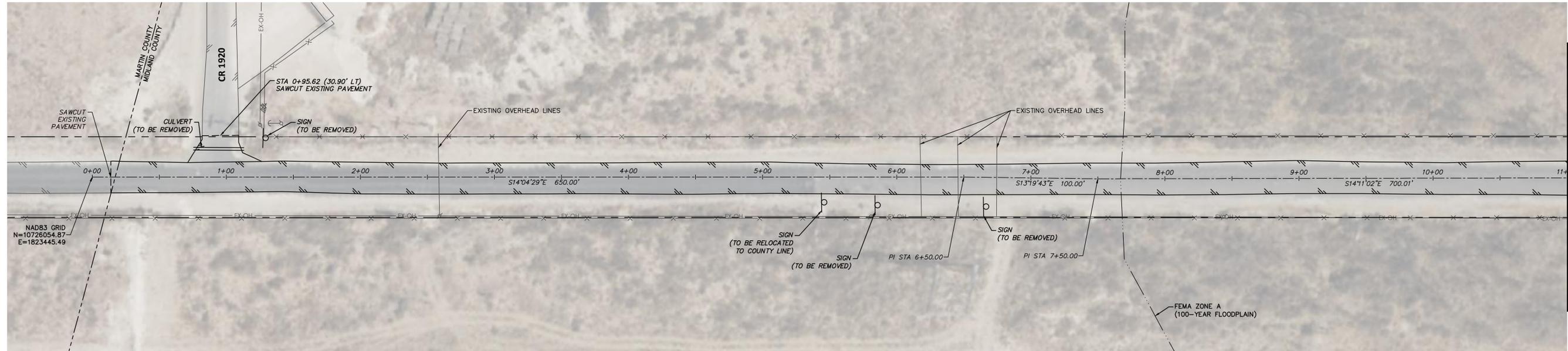
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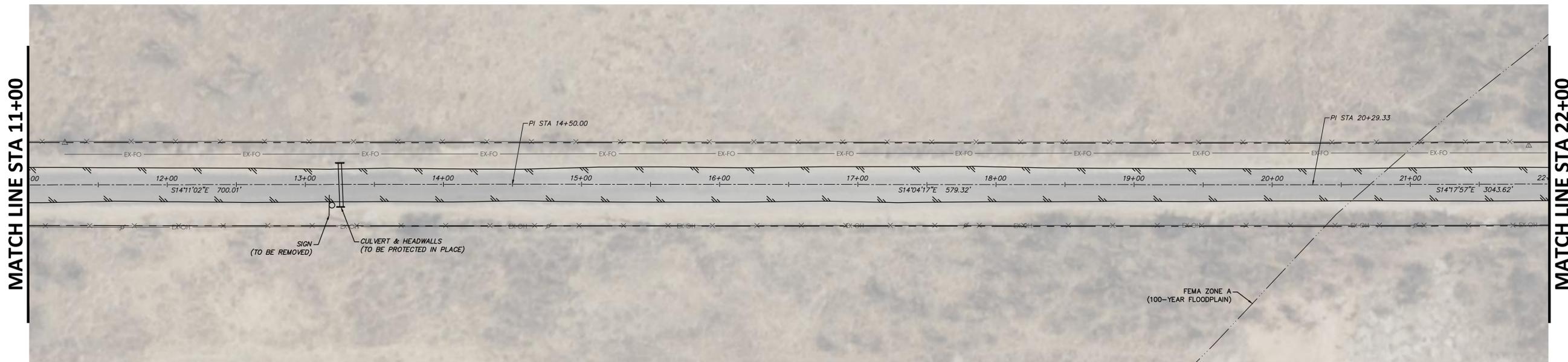
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ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

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

SOUTH COUNTY ROAD 1050



- NOTE:
1. PIPELINE CONCRETE CAPS AND FLOWABLE BACKFILL ARE INTENDED TO BE INSTALLED ACROSS THE ENTIRE WIDTH OF THE RIGHT-OF-WAY.
 2. CONTRACTOR TO FIELD VERIFY LOCATION OF UTILITY AND CENTER PROPOSED PROTECTION
 3. CONTRACTOR TO COORDINATE WITH UTILITY OWNER TO VERIFY PROTECTION REQUIREMENT PRIOR TO INSTALLATION.



FULL PATH: G:\Production\6000\0606796\01\Drawings\Plan\Sheet\01\Overall\ROADWAY STATIONING.dwg
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 PLOTTED DATE: 2/25/23 10:23 AM

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
N/A
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

SCR 1050 OVERALL ROADWAY STATIONING
STA 0+00 TO 22+00

DA PROJECT
B006796.001

SHEET
18



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

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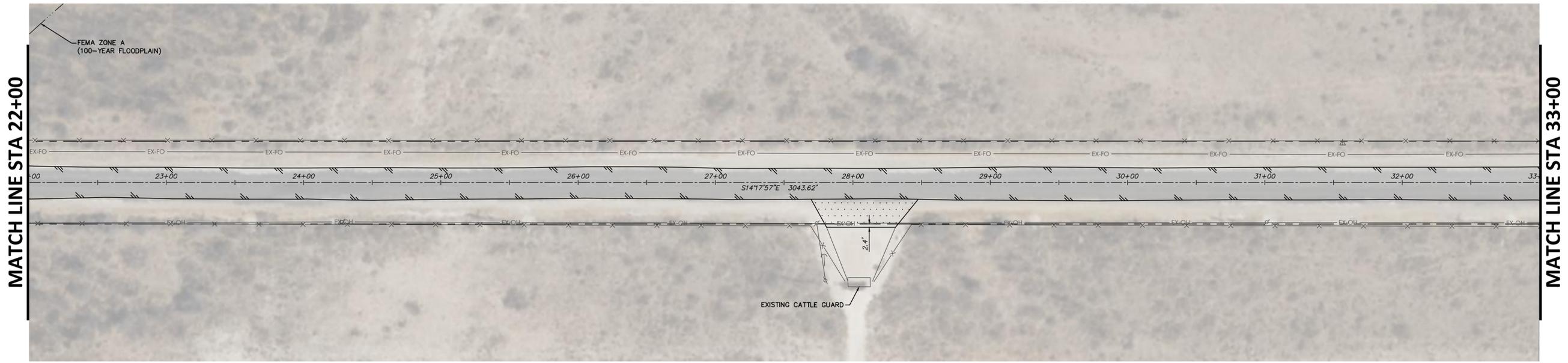
UTILITY RELOCATION NOTE:
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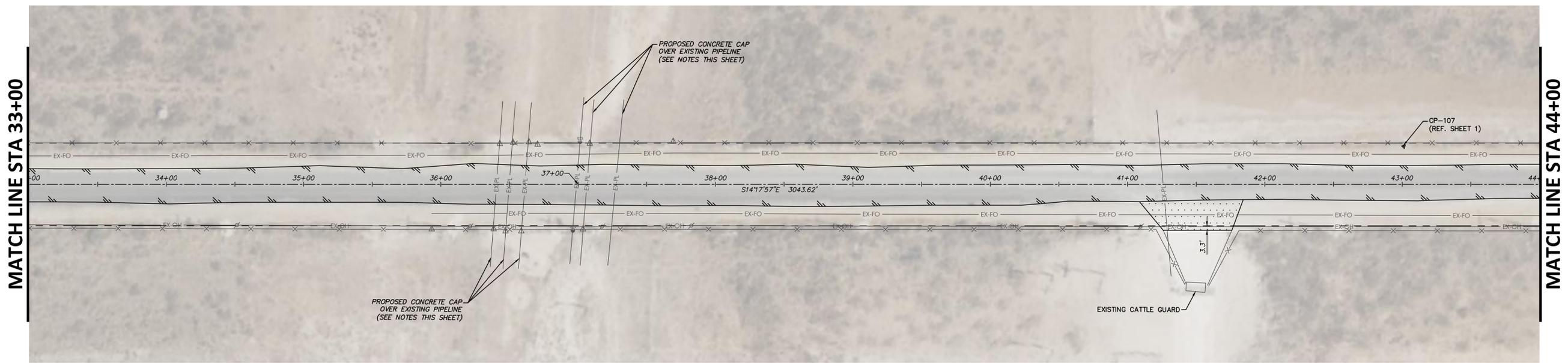
OFF-SITE BENCHMARK INFORMATION:
BENCHMARK 80/1208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT.
ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

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

SOUTH COUNTY ROAD 1050



- NOTE:
1. PIPELINE CONCRETE CAPS AND FLOWABLE BACKFILL ARE INTENDED TO BE INSTALLED ACROSS THE ENTIRE WIDTH OF THE RIGHT-OF-WAY.
 2. CONTRACTOR TO FIELD VERIFY LOCATION OF UTILITY AND CENTER PROPOSED PROTECTION
 3. CONTRACTOR TO COORDINATE WITH UTILITY OWNER TO VERIFY PROTECTION REQUIREMENT PRIOR TO INSTALLATION.



FULL PATH: G:\Production\0001006796\02\Drawings\Plan Sheets\01\SMALL ROADWAY STATIONING.dwg
 FILENAME: OVERALL ROADWAY STATIONING.dwg
 PLOTTED BY: Alissa Adams
 PLOTTED AT: 2:55:08 PM
 PLOTTED DATE: 1/17/23

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
N/A
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

SCR 1050 OVERALL ROADWAY STATIONING
STA 22+00 TO 44+00

DA PROJECT
B006796.001

SHEET
19



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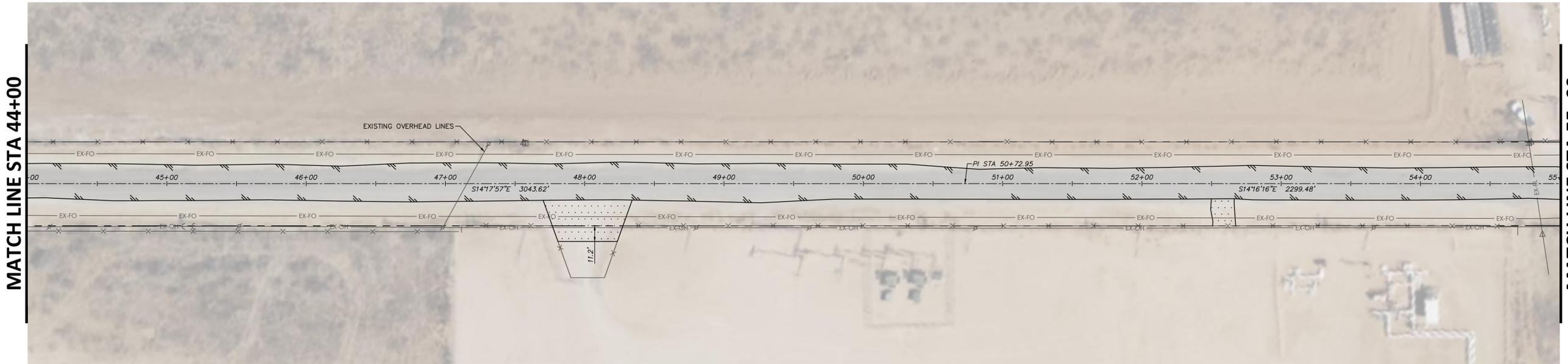
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BENCHMARK:

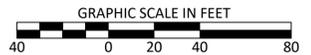
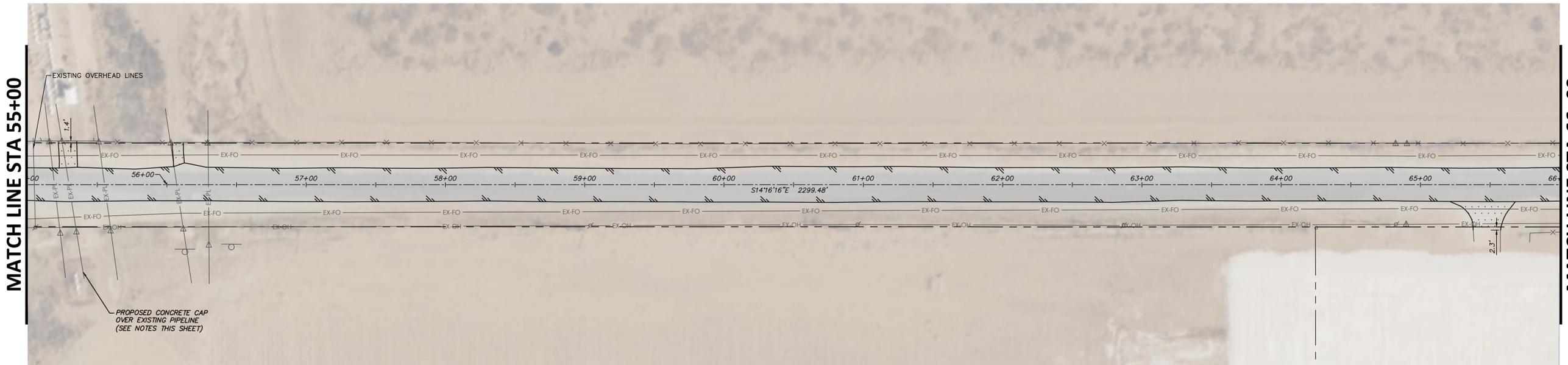
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SOUTH COUNTY ROAD 1050



NOTE:

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FULL PATH: G:\Production\4000\006796\001\Drawings\Plan\Sheet\01\SC1050\ROADWAY STATIONING.dwg

FILENAME: OVERALL ROADWAY STATIONING.dwg
PLOTTER BY: Alissa Adams
PLOT DATE: 2/25/23 11:17 AM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	20
SCR 1050 OVERALL ROADWAY STATIONING STA 44+00 TO 66+00		



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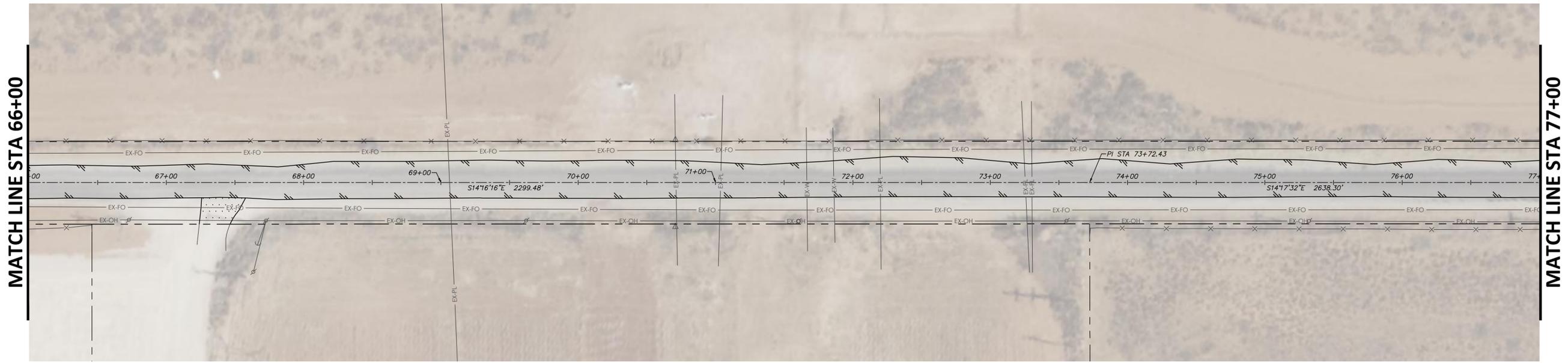
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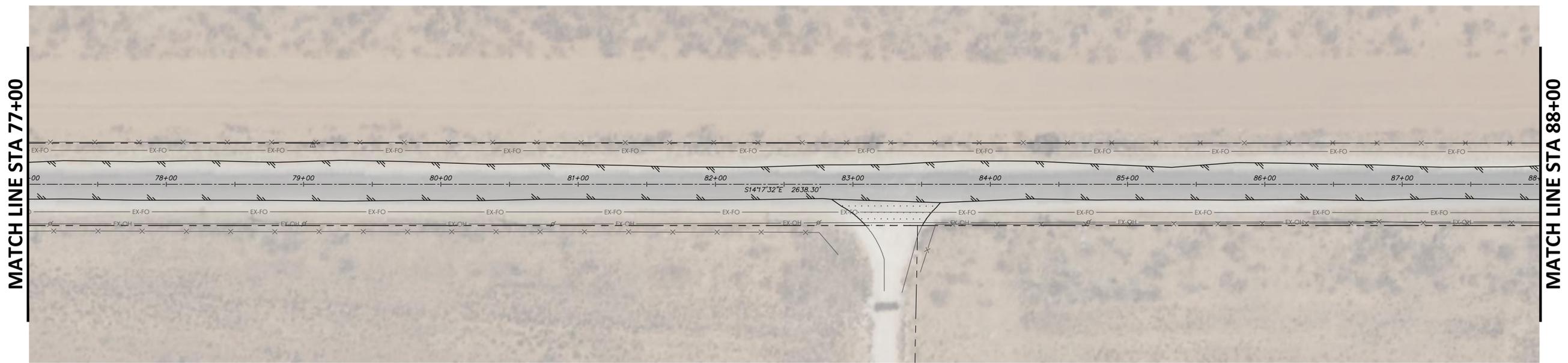
OFF-SITE BENCHMARK INFORMATION:
BENCHMARK 801208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT.
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BENCHMARK:
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SOUTH COUNTY ROAD 1050



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FULL PATH: G:\Production\6000\006796\006796\001\CDrawings\Plan\Sheet\01\SC1050\ROADWAY STATIONING.dwg
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 PLOTTED BY: Alissa Adams
 PLOTTED AT: 2:55:28 PM
 PLOTTED ON: 1/17/23

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
DATE
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
N/A
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

SCR 1050 OVERALL ROADWAY STATIONING
STA 66+00 TO 88+00

DA PROJECT
B006796.001

SHEET
21



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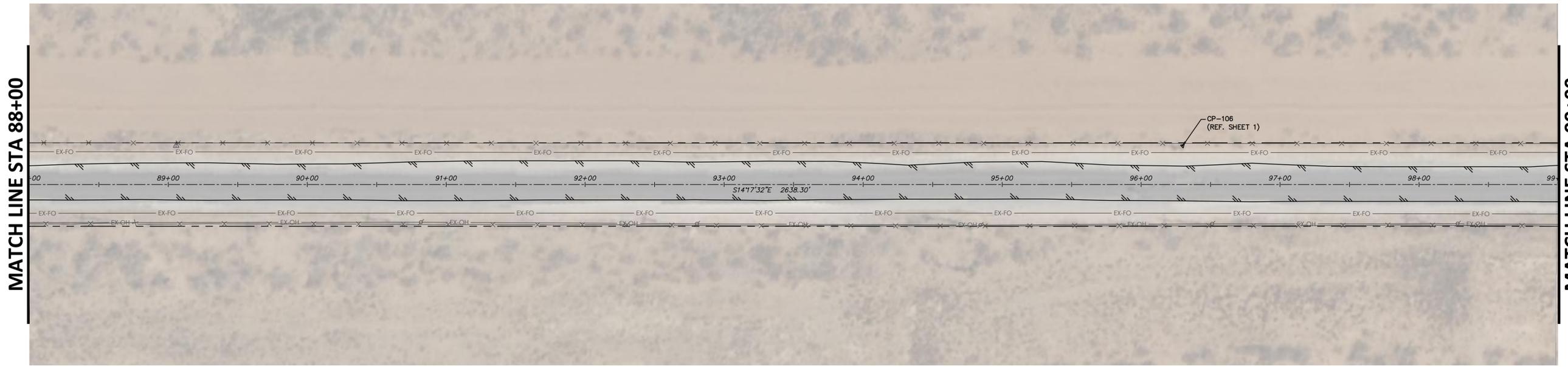
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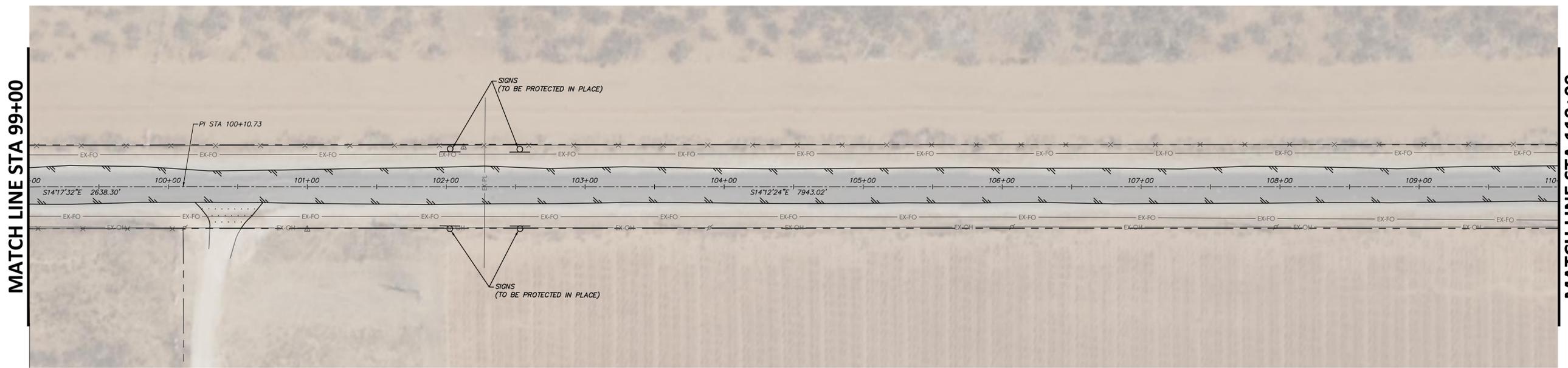
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SOUTH COUNTY ROAD 1050



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 FILENAME: OVERALL ROADWAY STATIONING.dwg
 PLOTTED BY: Alvaro Adams
 PLOTTED DATE: 2/25/23 10:58 AM

NO.	REVISION	BY	DATE	CHECKED

RVG
 DESIGNED
 RVG
 DRAWN
 JAS
 CHECKED

SCALE
 HORIZ
 1"=40'
 VERT
 N/A
 DATE
 JANUARY
 2023

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



MIDLAND COUNTY PRECINCT 2
 SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
 MIDLAND COUNTY, TEXAS
 SCR 1050 OVERALL ROADWAY STATIONING
 STA 88+00 TO 110+00

DA PROJECT
 B006796.001
 SHEET
22



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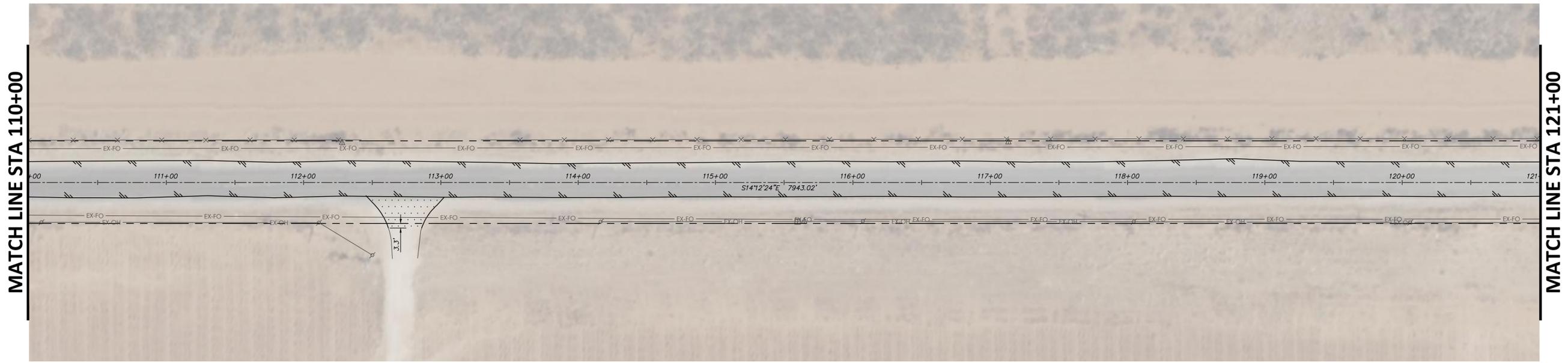
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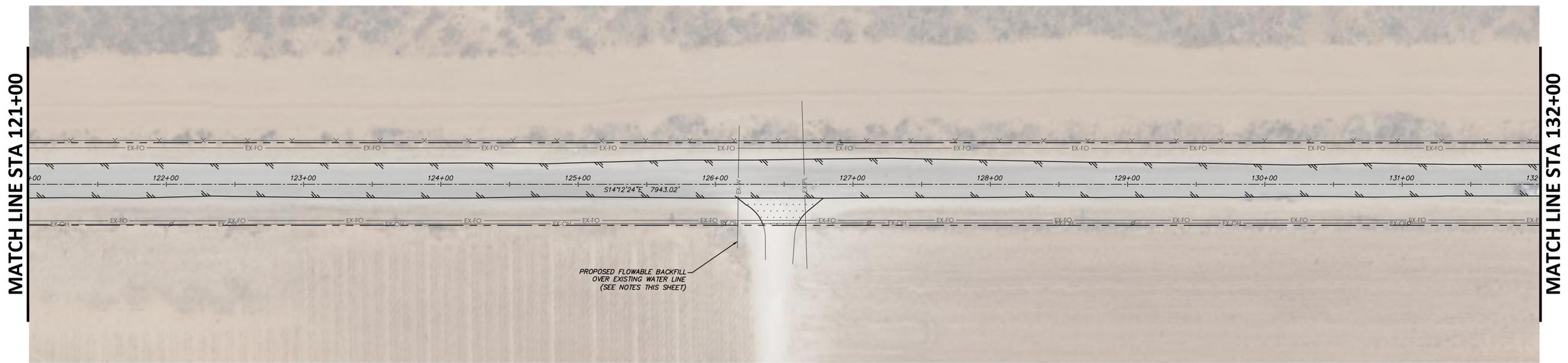
OFF-SITE BENCHMARK INFORMATION:
BENCHMARK 8071208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT.
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SOUTH COUNTY ROAD 1050



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FULL PATH: G:\Production\6001006796\001\001\Drawings\Plan\Sheet\01\SMALL ROADWAY STATIONING.dwg
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 PLOTTED BY: Alissa Adams
 PLOTTED DATE: 2/25/24 10:58 AM

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
DATE
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
N/A
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

**SCR 1050 OVERALL ROADWAY STATIONING
STA 110+00 TO 132+00**

DA PROJECT
B006796.001

SHEET
23



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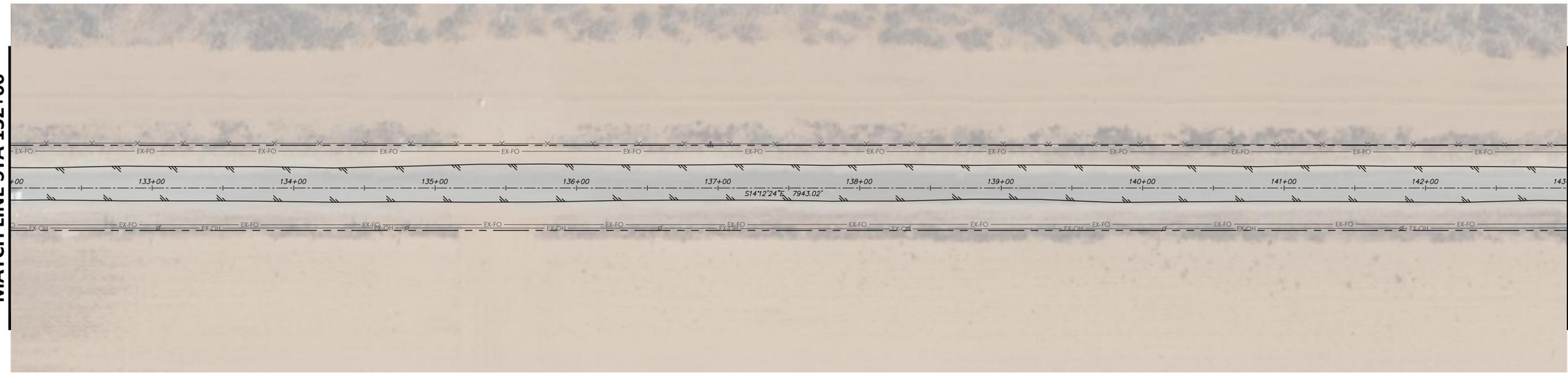
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SOUTH COUNTY ROAD 1050

MATCH LINE STA 132+00

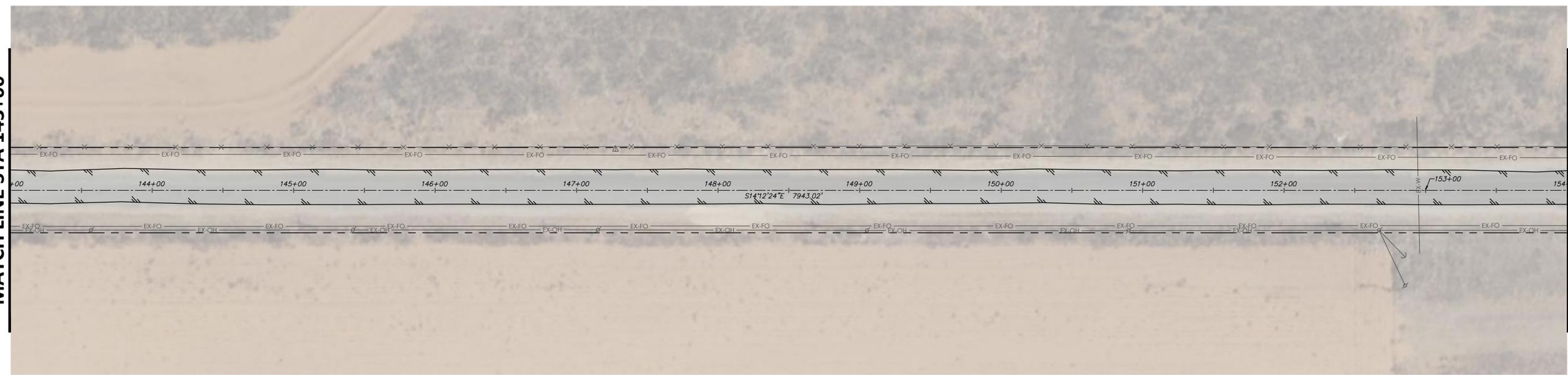
MATCH LINE STA 143+00



- NOTE:
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MATCH LINE STA 143+00

MATCH LINE STA 154+00



FULL PATH: G:\Production\4000\006796\006796\001\CD\Drawings\Plan\Sheet\01\Overall\ROADWAY STATIONING.dwg
FILENAME: OVERALL ROADWAY STATIONING.dwg
PLOTTER BY: Alvaro Adams
PLOTTED AT: 2:55:58 PM
DATE: January 17, 2023

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
N/A
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

SCR 1050 OVERALL ROADWAY STATIONING
STA 132+00 TO 154+00

DA PROJECT
B006796.001

SHEET
24



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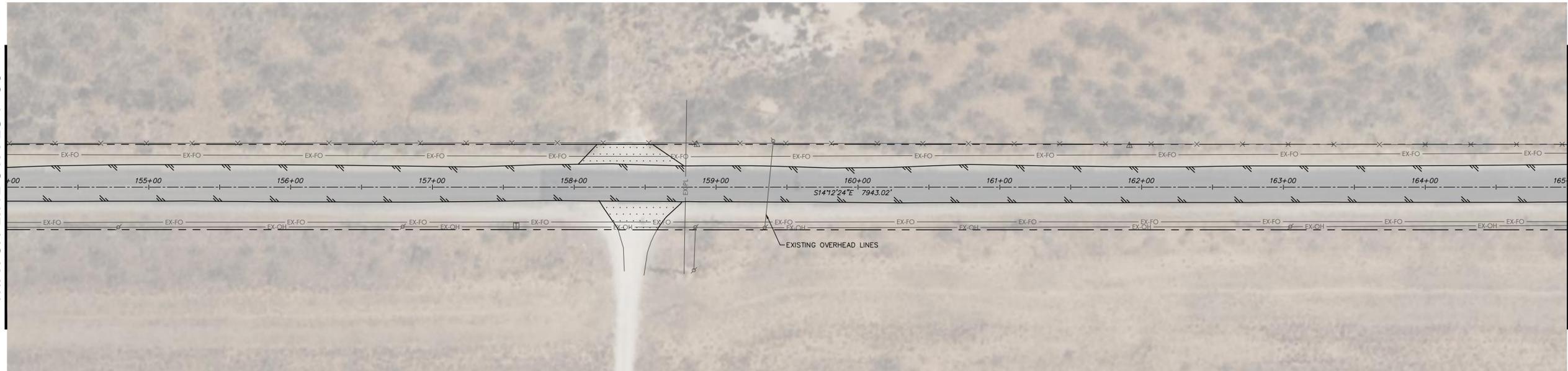
BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050

MATCH LINE STA 154+00

MATCH LINE STA 165+00

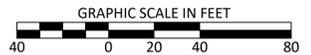
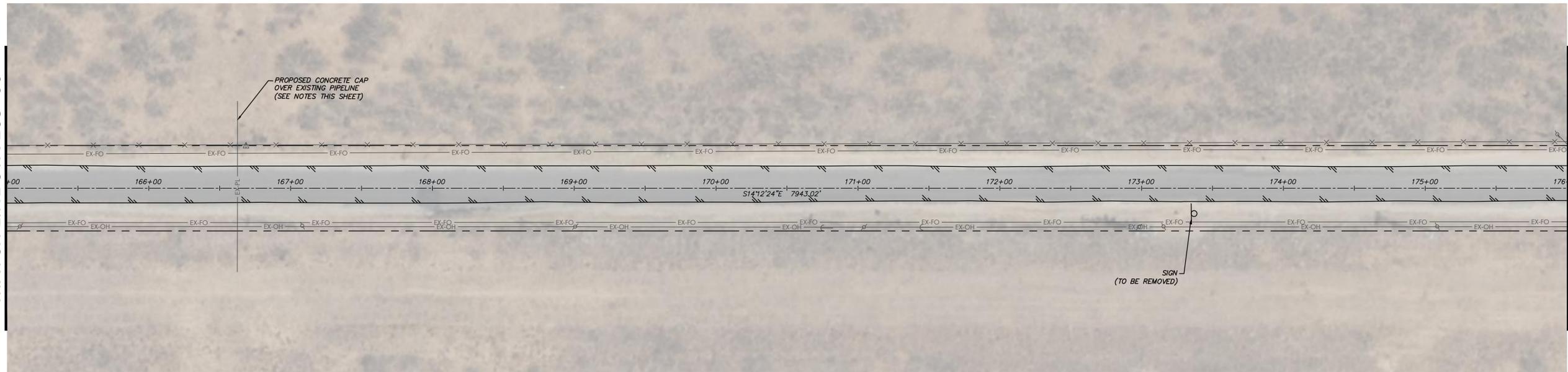


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MATCH LINE STA 165+00

MATCH LINE STA 176+00



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FILENAME: OVERALL STATIONING.dwg
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PLOT DATE: 2/25/23 10:58 PM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

DUNAWAY
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Tel: 432.699.4889
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MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	25
SCR 1050 OVERALL ROADWAY STATIONING STA 154+00 TO 176+00		



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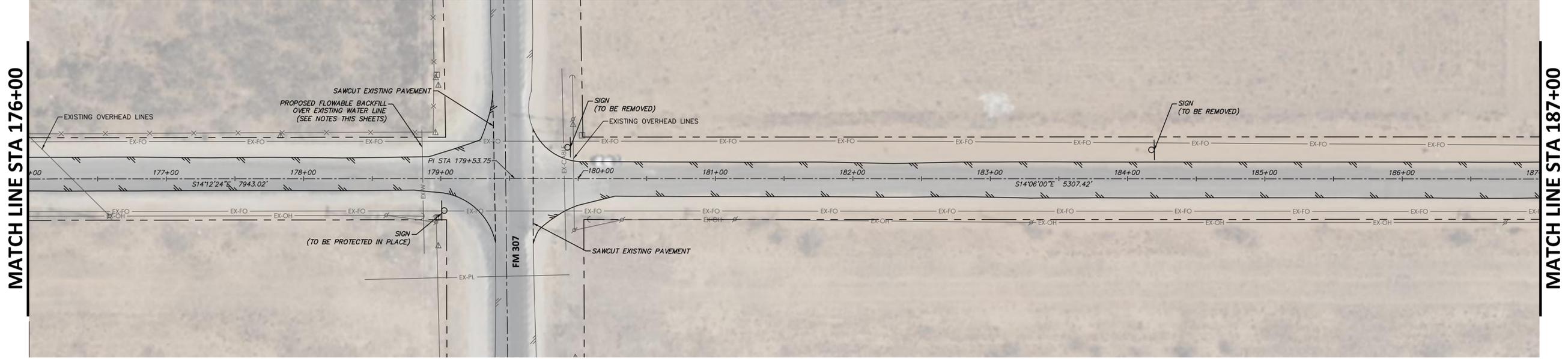
OFF-SITE BENCHMARK INFORMATION:

BENCHMARK 8071208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

BENCHMARK:

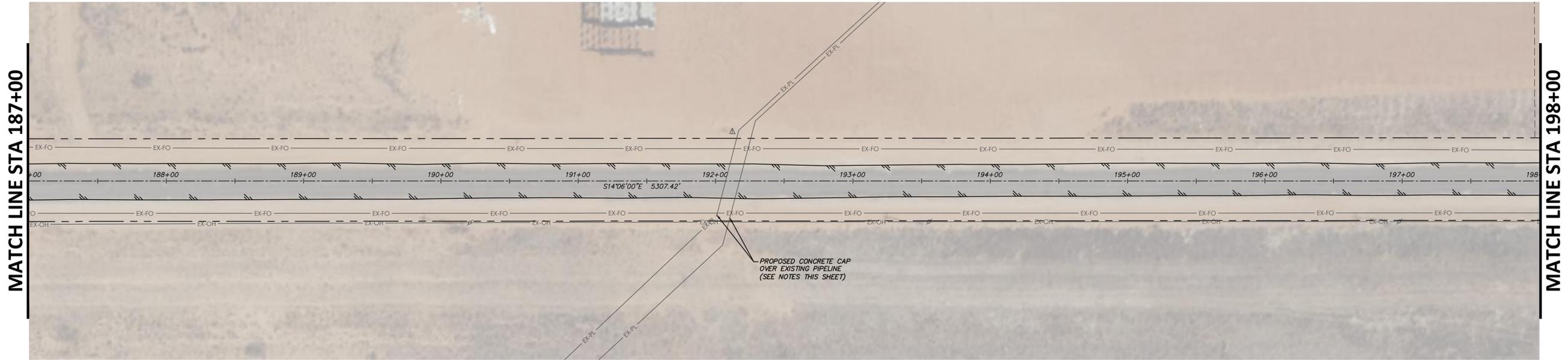
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050



NOTE:

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3. CONTRACTOR TO COORDINATE WITH UTILITY OWNER TO VERIFY PROTECTION REQUIREMENT PRIOR TO INSTALLATION.



FULL PATH: G:\Production\6000\006796\001\Drawings\Plan\Sheet\01\SC1050\ROADWAY STATIONING.dwg
 FILENAME: OVERALL ROADWAY STATIONING.dwg
 PLOTTED BY: Alissa Adams
 PLOTTED DATE: 1/17/23

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

**SCR 1050 OVERALL ROADWAY STATIONING
STA 176+00 TO 198+00**

DA PROJECT	B006796.001
SHEET	26



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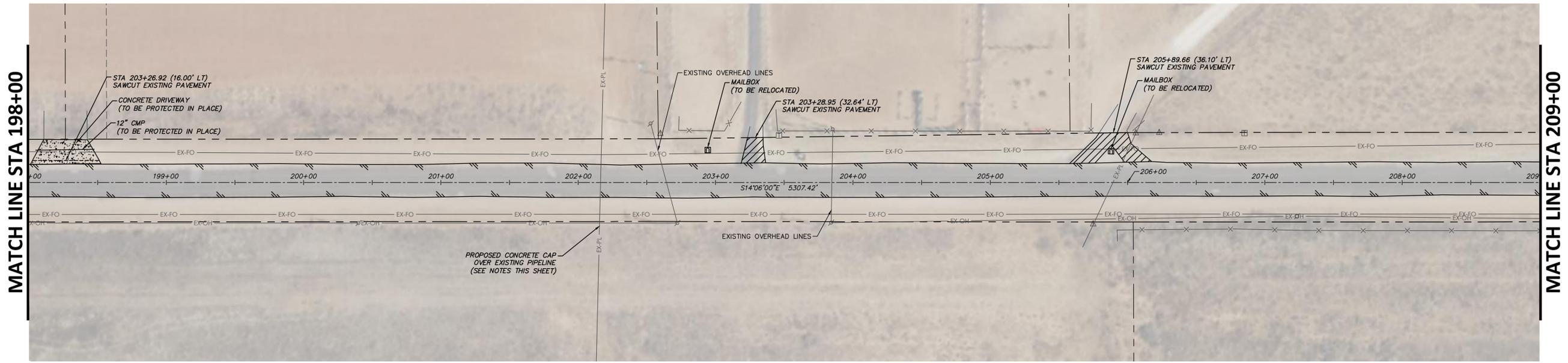
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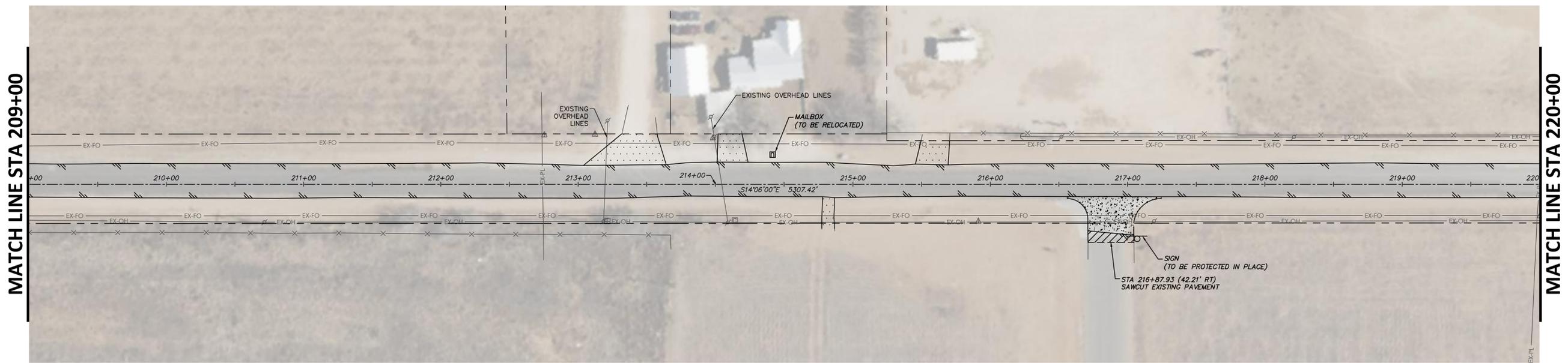
OFF-SITE BENCHMARK INFORMATION:
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BENCHMARK:
 SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050



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 PLOTTED BY: Alissa Adams
 PLOTTED DATE: 2/15/23 11:51 AM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE
RVG	DRAWN		HORIZ 1"=40'
JAS	CHECKED		VERT N/A
			DATE JANUARY 2023

DUNAWAY

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

Jessica A. Schuttler

MIDLAND COUNTY PRECINCT 2		DA PROJECT B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS		SHEET
SCR 1050 OVERALL ROADWAY STATIONING STA 198+00 TO 220+00		27



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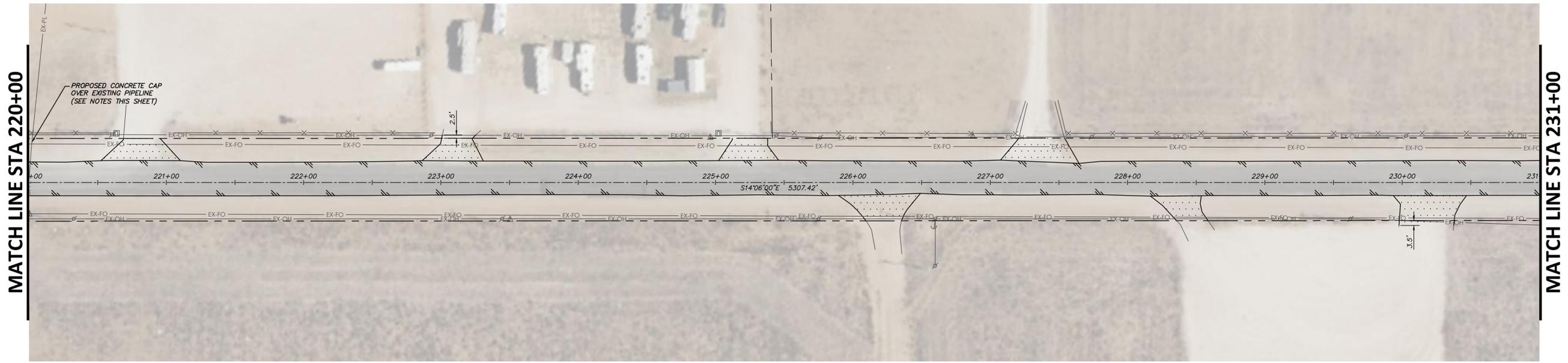
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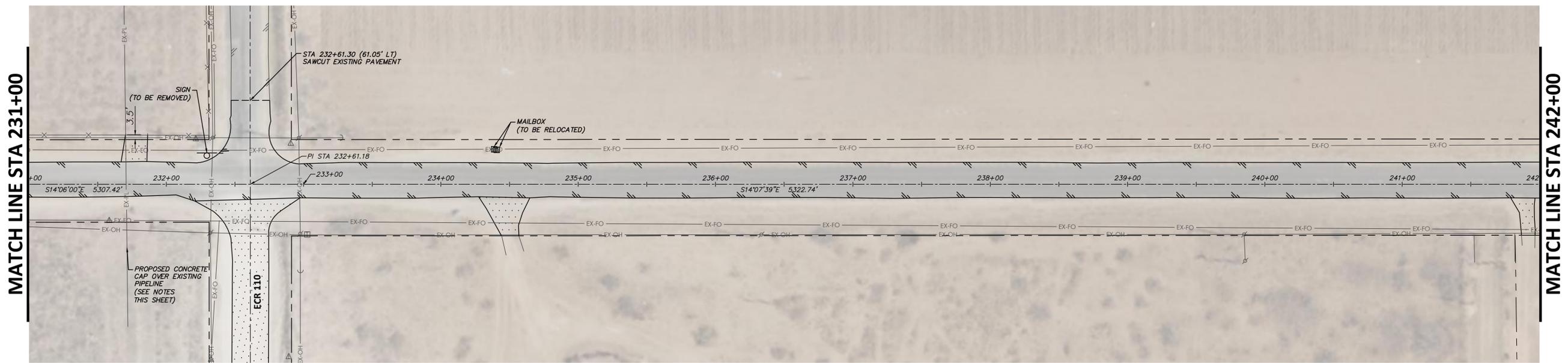
OFF-SITE BENCHMARK INFORMATION:
BENCHMARK 80/1208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT.
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BENCHMARK:
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SOUTH COUNTY ROAD 1050



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FULL PATH: G:\Production\4000\066706\066706.dwg
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 PLOTTED AT: 2:55:18 PM
 PLOTTED DATE: 1/17/23

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

SCALE	HORIZ	VERT	DATE
1"=40'	N/A	N/A	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	B006796.001
SCR 1050 OVERALL ROADWAY STATIONING STA 220+00 TO 242+00	SHEET
	28



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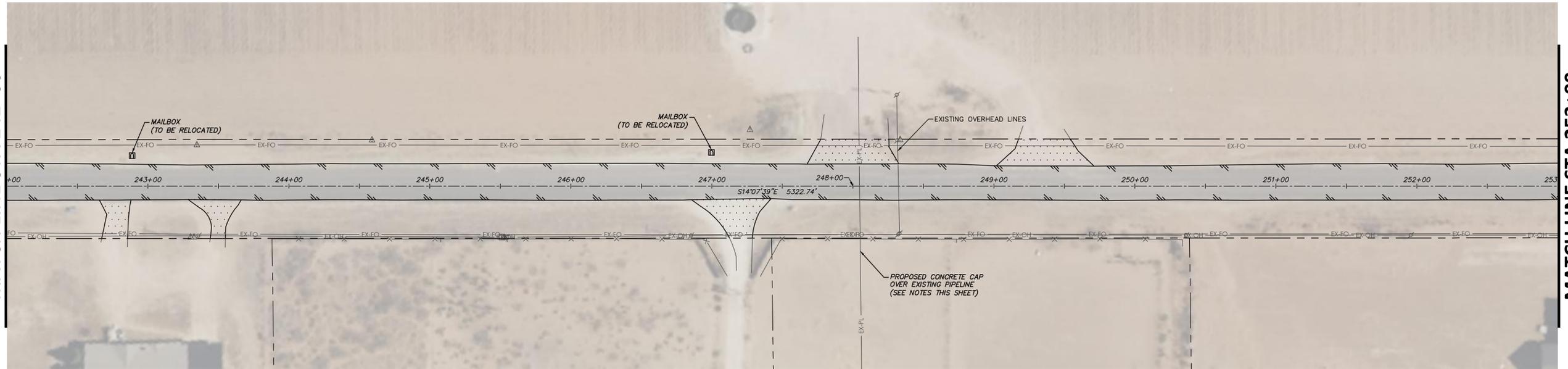
BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050

MATCH LINE STA 242+00

MATCH LINE STA 253+00

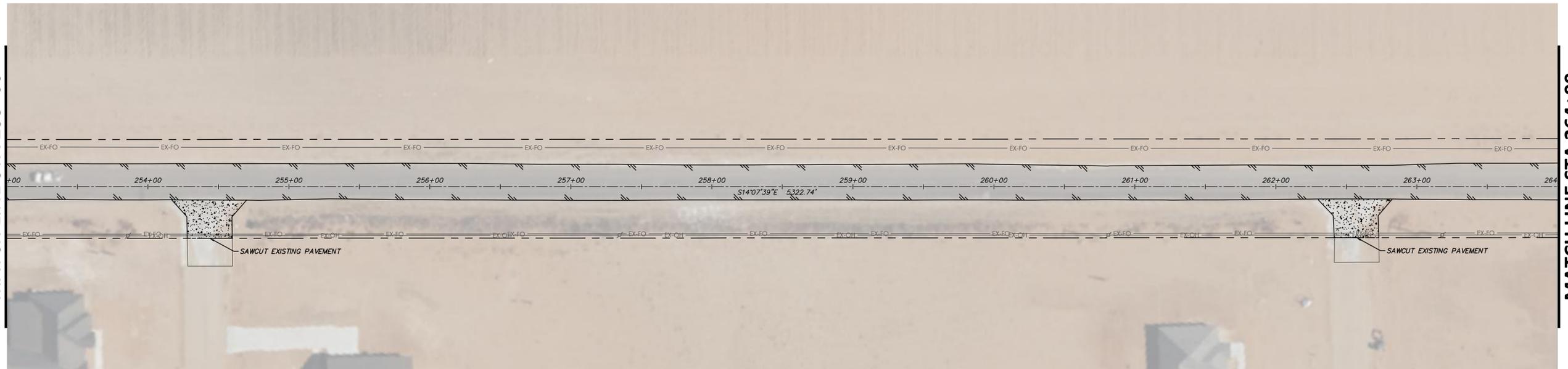


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MATCH LINE STA 253+00

MATCH LINE STA 264+00



FULL PATH: G:\Production\4000\006796\001\CAD\Drawings\Plan\Sheet\01\SC1050\ROADWAY STATIONING.dwg
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 PLOTTED BY: Alissa Adams
 PLOTTED DATE: 2/16/23 2:55:27 PM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2
 SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
 MIDLAND COUNTY, TEXAS
**SCR 1050 OVERALL ROADWAY STATIONING
 STA 242+00 TO 264+00**

DA PROJECT
B006796.001
 SHEET
29



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OFF-SITE BENCHMARK INFORMATION:

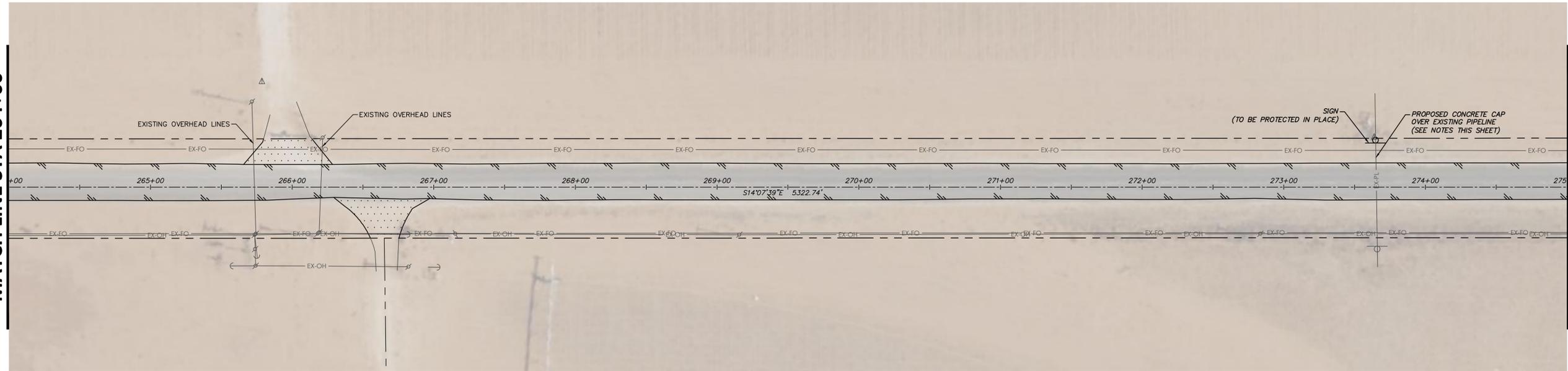
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BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050

MATCH LINE STA 264+00



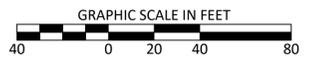
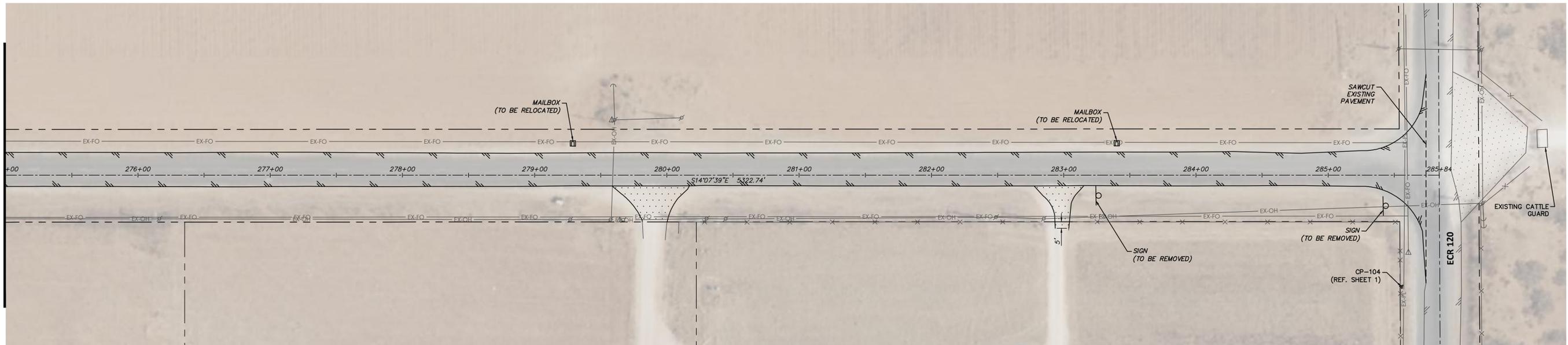
MATCH LINE STA 275+00



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MATCH LINE STA 275+00



FULL PATH: G:\Production\4000\006796\001\Drawings\Plan\Sheet\01\SR1050\ROADWAY STATIONING.dwg

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PLOTTER: HP DesignJet 5000
PLOT DATE: 1/17/2023 2:58:58 PM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	30
SCR 1050 OVERALL ROADWAY STATIONING STA 264+00 TO END		



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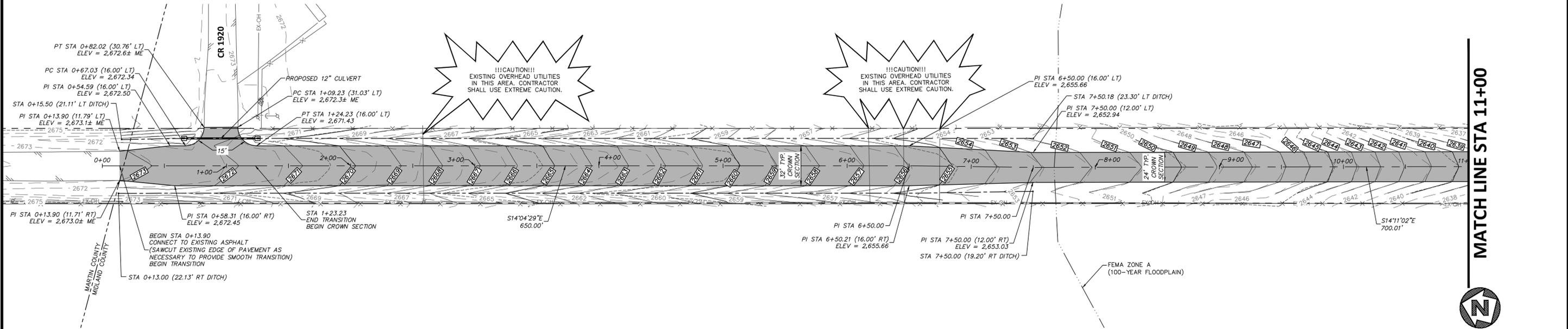
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OFF-SITE BENCHMARK INFORMATION:

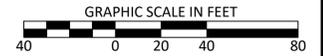
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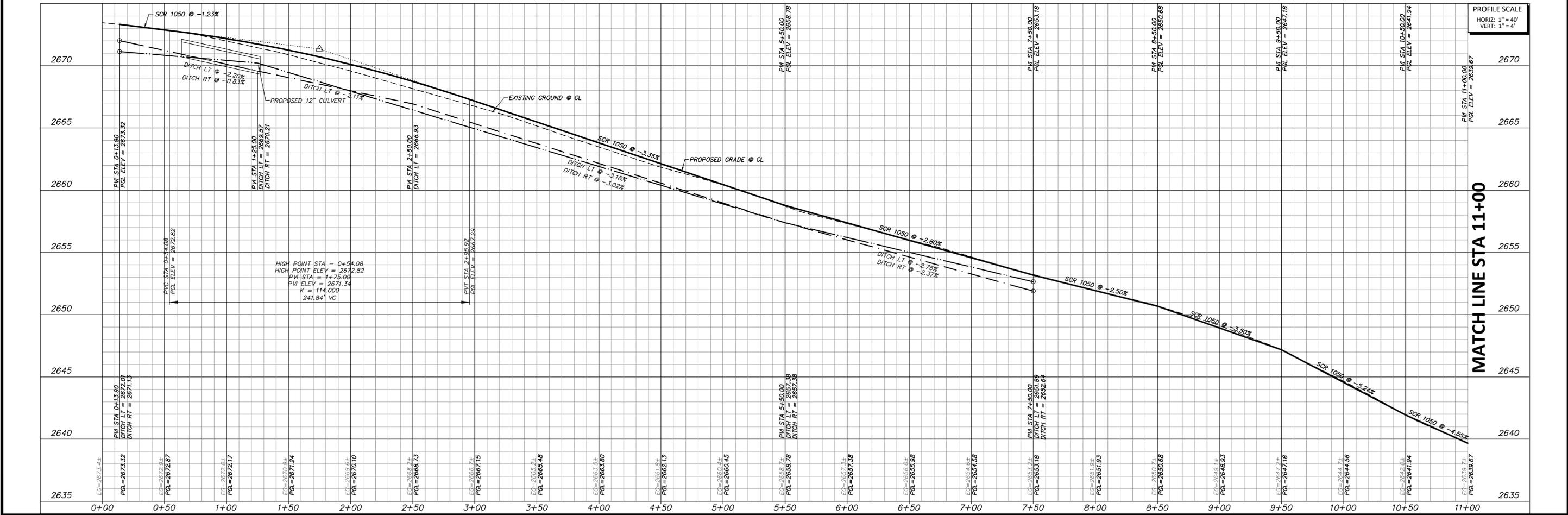
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



SOUTH COUNTY ROAD 1050



MATCH LINE STA 11+00



MATCH LINE STA 11+00

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED

RVG
DRAWN

JAS
CHECKED

SCALE	HORIZ 1"=40'	VERT 1"=4'
DATE	JANUARY 2023	

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

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

SCR 1050 PLAN AND PROFILE
STA 0+00 TO 11+00

DA PROJECT
B006796.001

SHEET
31

FILE NAME: P:\06_P06.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 2/25/23 9:58 AM
 FULL PATH: G:\Production\0600\060006\060006.dwg



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BENCHMARK:

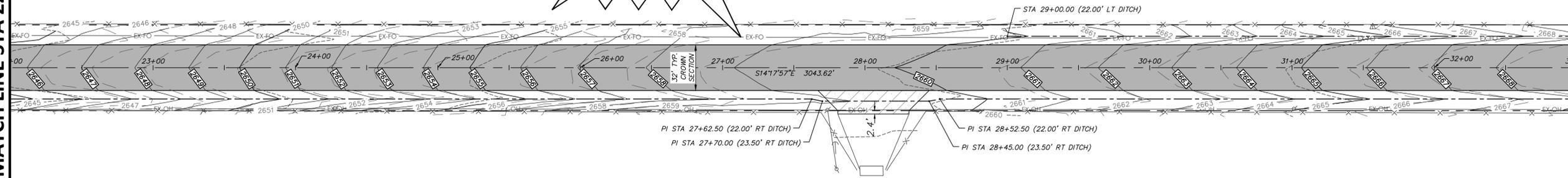
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 22+00

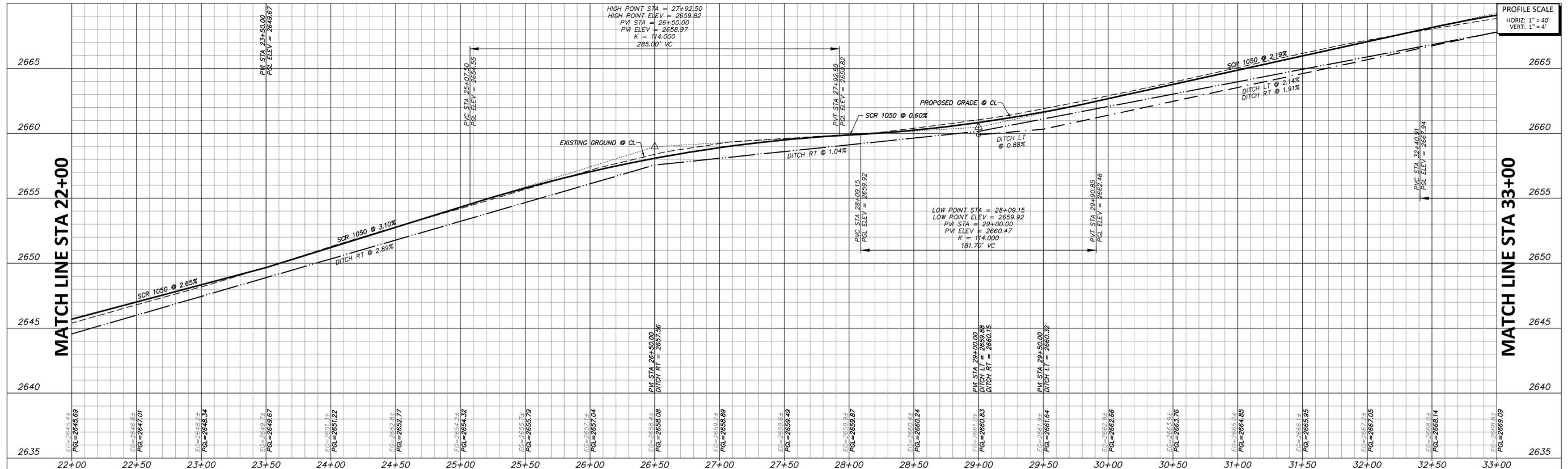
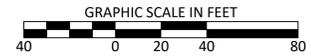
MATCH LINE STA 33+00

FEMA ZONE A
(100-YEAR FLOODPLAIN)

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



SOUTH COUNTY ROAD 1050



FILE PATH: G:\Production\4000\060796\060796\001\Civil\Drawings\Plan\Sheet\060796\060796.dwg

DATE: 01/17/23
DRAWN BY: Allison Adams
CHECKED BY: JAS
PLOT DATE: 01/17/23

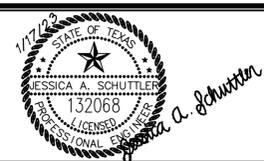
NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
1"=4'
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

**SCR 1050 PLAN AND PROFILE
STA 22+00 TO 33+00**

DA PROJECT
B006796.001

SHEET
33



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OFF-SITE BENCHMARK INFORMATION:

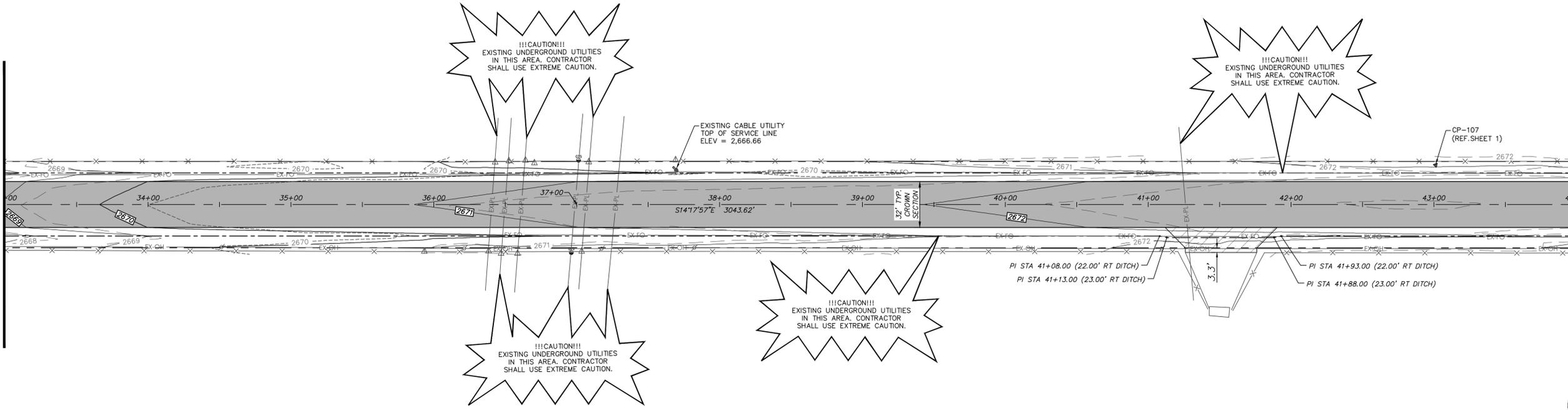
BENCHMARK 8071208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

BENCHMARK:

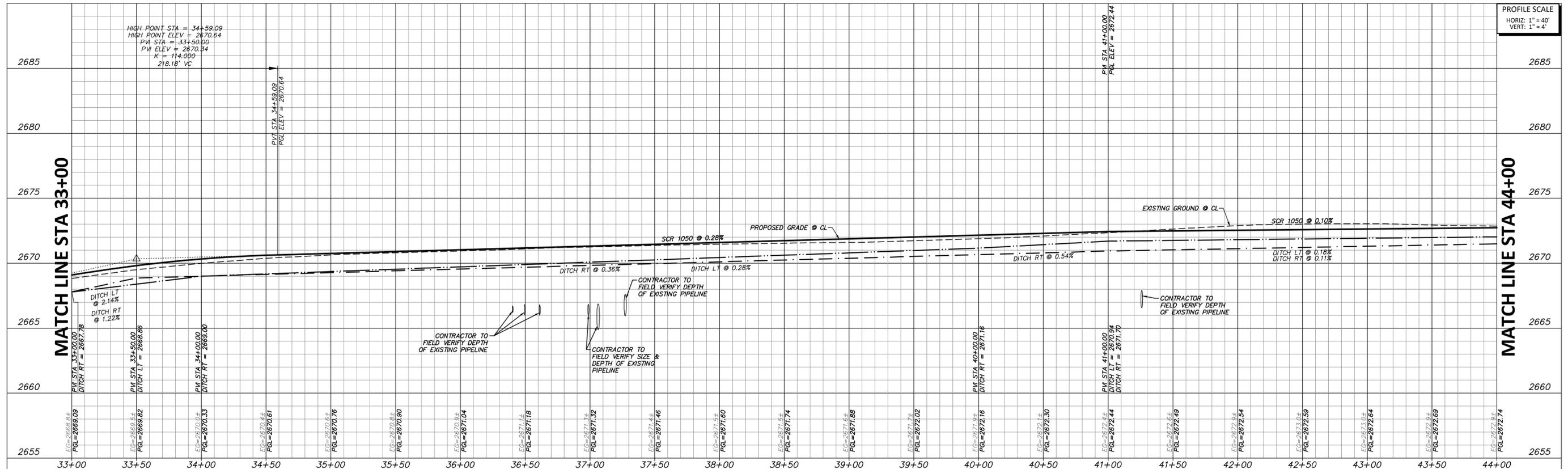
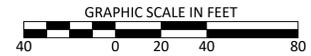
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 33+00

MATCH LINE STA 44+00



SOUTH COUNTY ROAD 1050



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PLOTTER: AMERIPLANS
PLOT DATE: 11/17/23 10:53 AM

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
1"=4'
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

**SCR 1050 PLAN AND PROFILE
STA 33+00 TO 44+00**

DA PROJECT
B006796.001

SHEET
34



WARNING TO CONTRACTOR:

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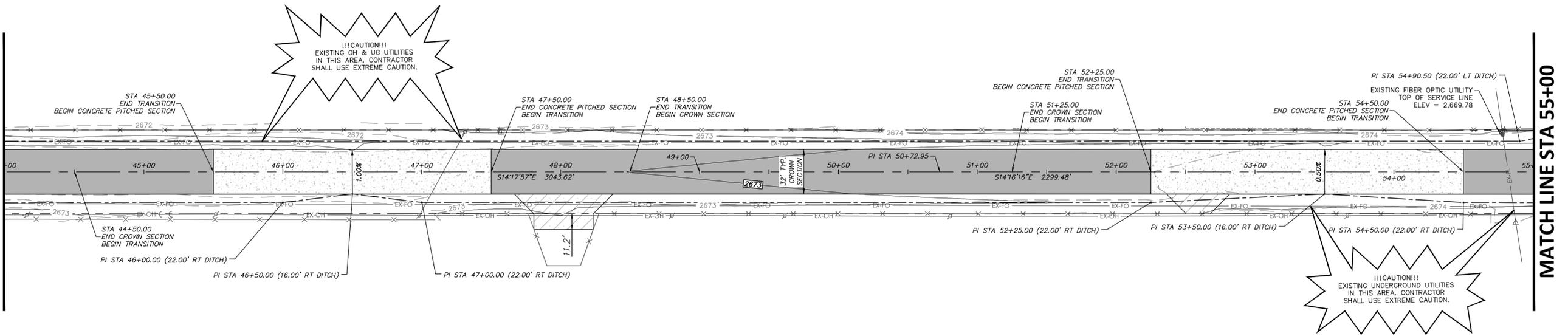
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BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 44+00

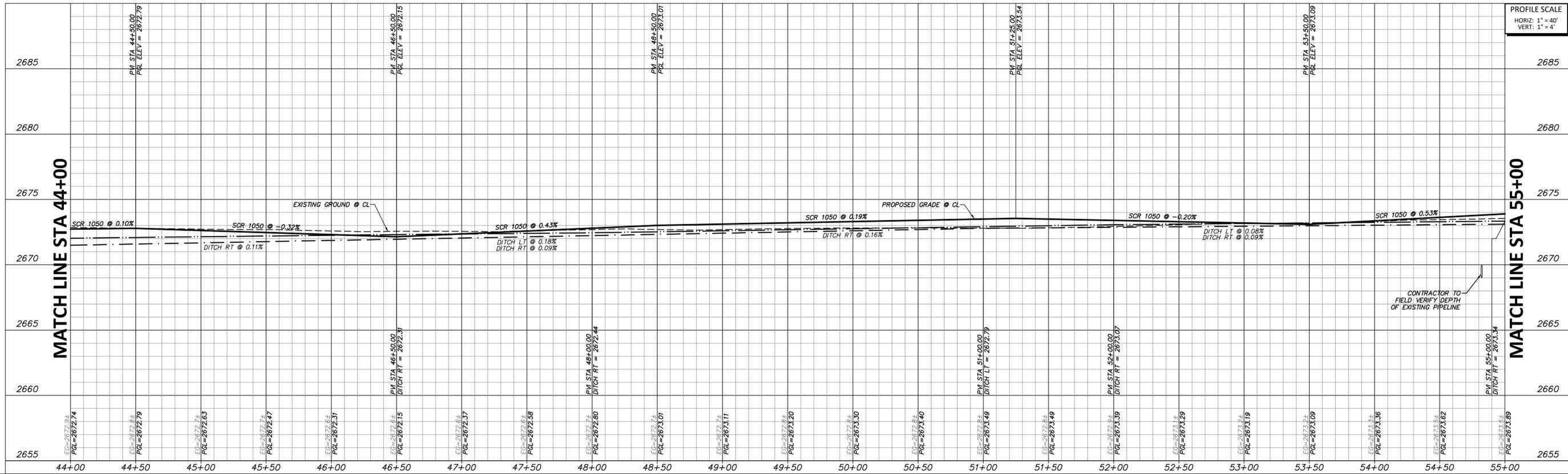


MATCH LINE STA 55+00

SOUTH COUNTY ROAD 1050



MATCH LINE STA 44+00



MATCH LINE STA 55+00

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PLOTTER: AMIRI ADAMS
PLOT DATE: 1/17/2023 10:08 AM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	<p>MIDLAND COUNTY MIDLAND, TEXAS</p>	SCALE
RVG	DRAWN		HORIZ 1"=40'
JAS	CHECKED		VERT 1"=4'
			DATE
			JANUARY 2023

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET
SCR 1050 PLAN AND PROFILE STA 44+00 TO 55+00	35



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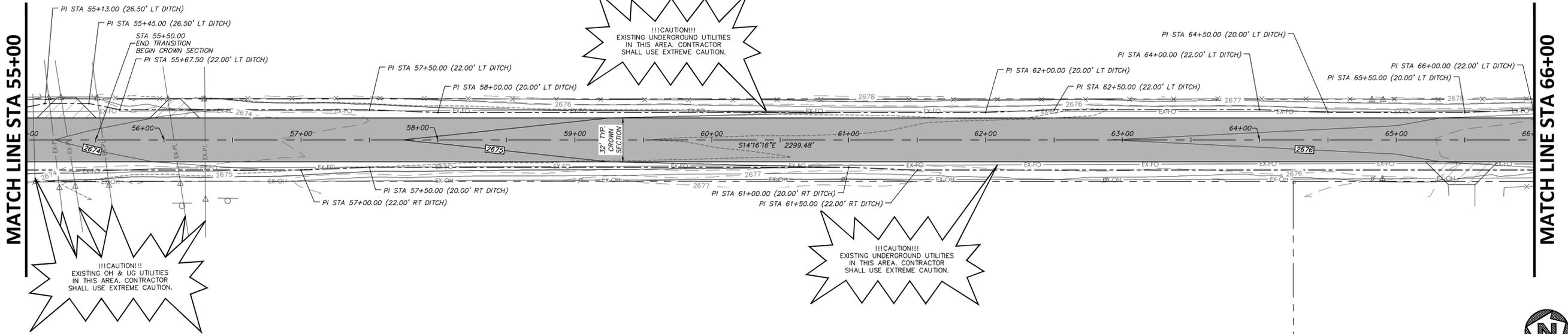
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OFF-SITE BENCHMARK INFORMATION:

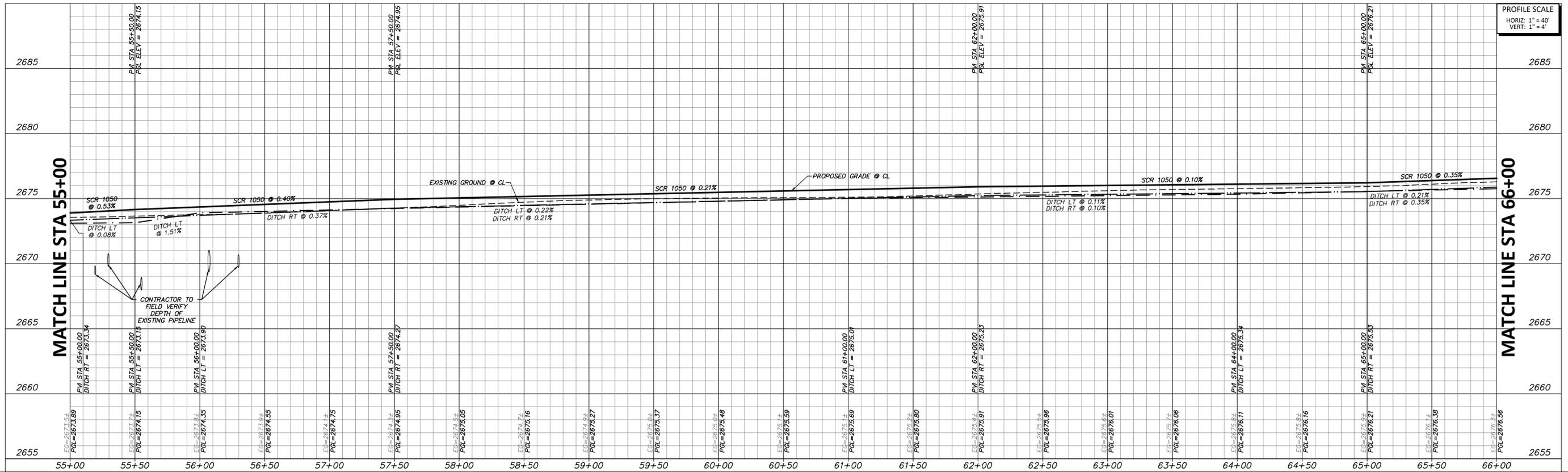
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BENCHMARK:

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SOUTH COUNTY ROAD 1050



FILE PATH: G:\Production\4000\4000\067961\951\001\Civil\Drawings\Plan\Sheet\SCR1050_Plan.dwg

FILENAME: SCR1050_Plan.dwg
PLOTTER: AMIRI ADAMS
PLOT DATE: 1/17/23 10:05:38 AM

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1"=40'
	VERT 1"=4'
DATE	JANUARY 2023

DUNAWAY

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

1/17/23

STATE OF TEXAS
JESSICA A. SCHUTTNER
132068
PROFESSIONAL ENGINEER
C. Schuttner

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

**SCR 1050 PLAN AND PROFILE
STA 55+00 TO 66+00**

DA PROJECT	B006796.001
SHEET	36



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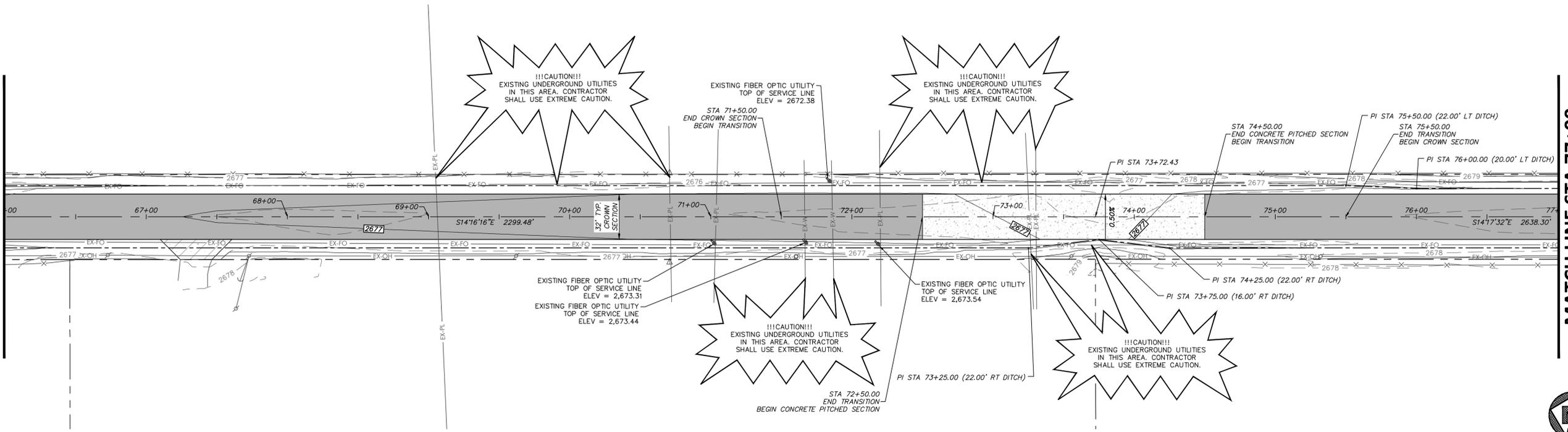
BENCHMARK 801208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

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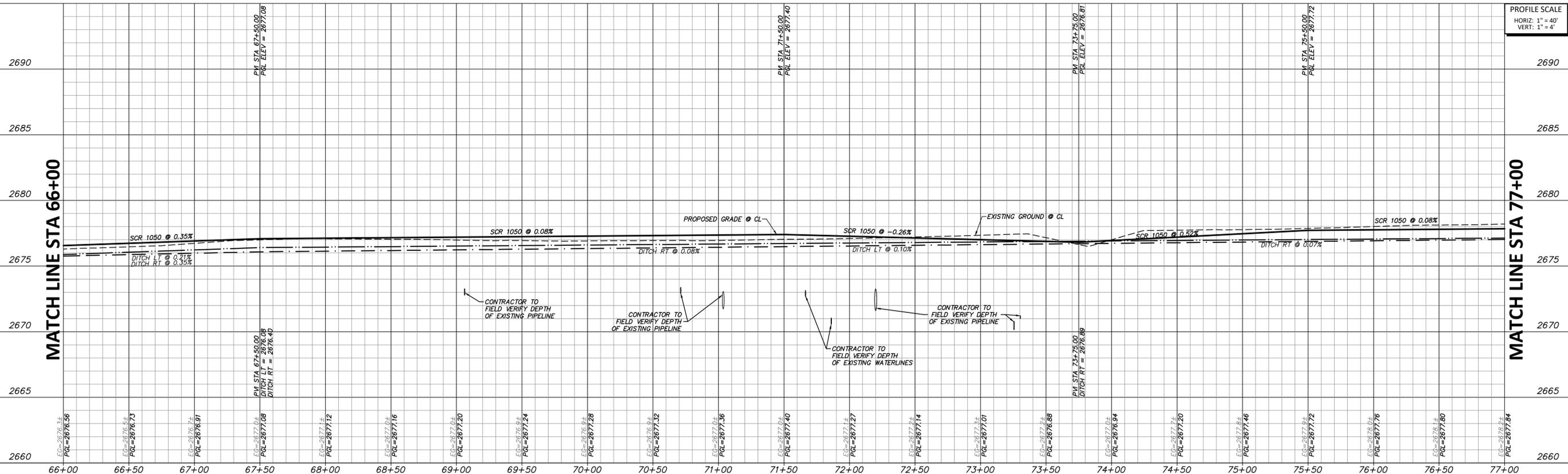
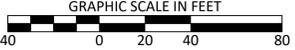
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 66+00

MATCH LINE STA 77+00



SOUTH COUNTY ROAD 1050



FILE NAME: P:\030_P06.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 12/15/2023

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	SCALE
RVG	DRAWN	HORIZ 1"=40'
JAS	CHECKED	VERT 1"=4'
		DATE
		JANUARY
		2023

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110	B006796.001
MIDLAND COUNTY, TEXAS	SHEET
SCR 1050 PLAN AND PROFILE	37
66+00 TO 77+00	



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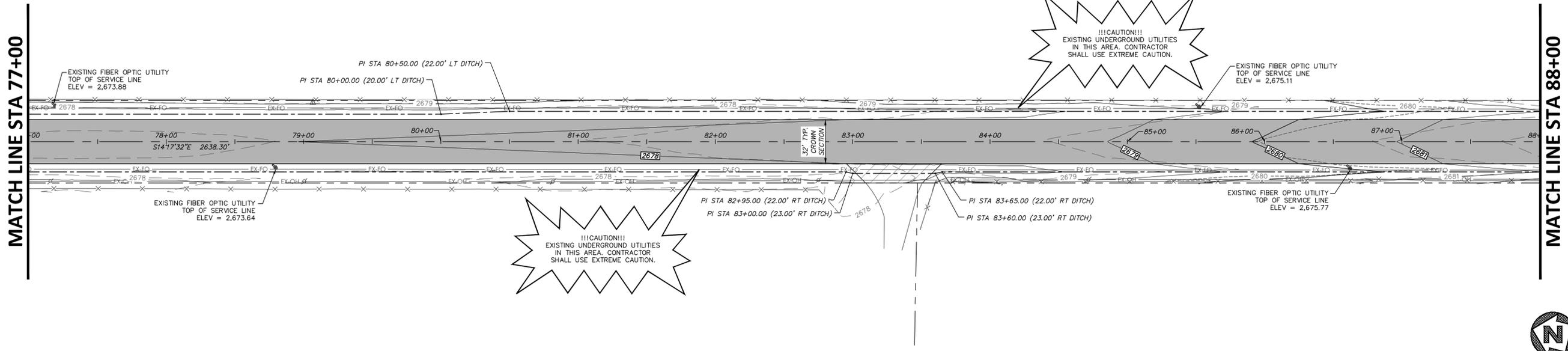
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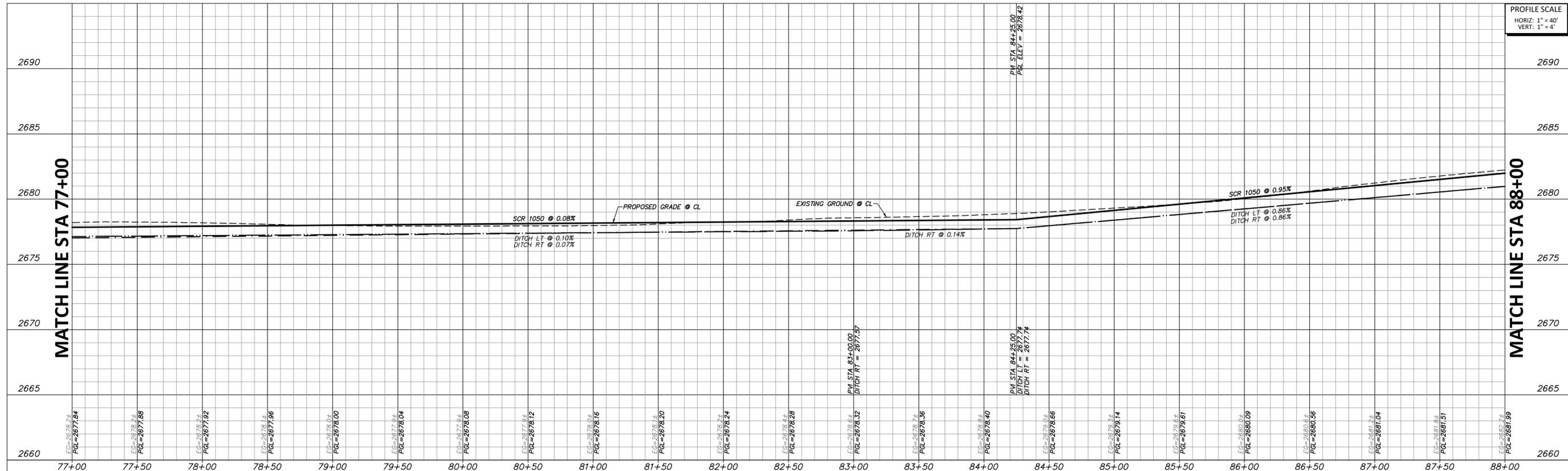
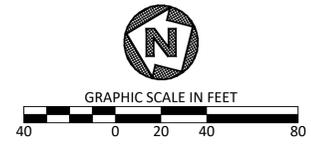
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SOUTH COUNTY ROAD 1050



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 PLOTTED BY: Allison Adams
 PLOTTED DATE: 10/23/2023 10:28 AM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE
RVG	DRAWN		HORIZ 1"=40'
JAS	CHECKED		VERT 1"=4'
			DATE JANUARY 2023

DUNAWAY

 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705

 Tel: 432.699.4889

 [TX REG. F-1114]

1/17/23
 STATE OF TEXAS
 JESSICA A. SCHUTTNER
 132068
 LICENSED PROFESSIONAL ENGINEER

MIDLAND COUNTY PRECINCT 2	DA PROJECT B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET
SCR 1050 PLAN AND PROFILE STA 77+00 TO 88+00	38



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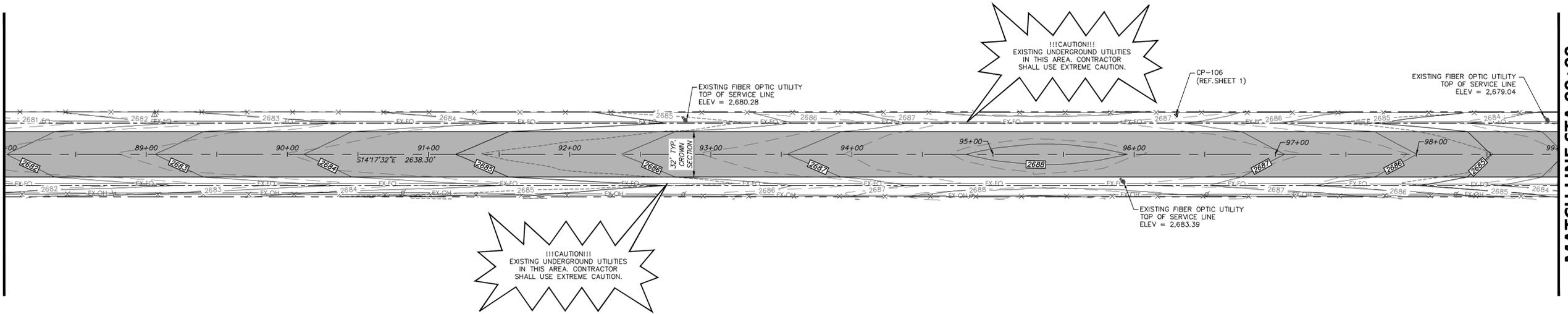
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BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 88+00

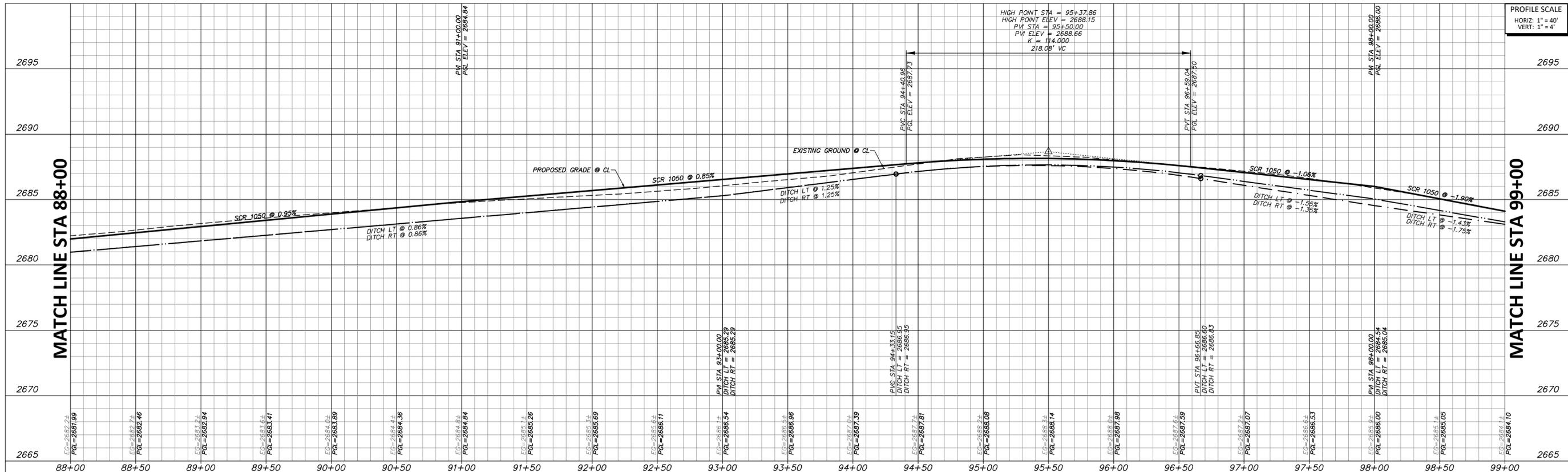
MATCH LINE STA 99+00



SOUTH COUNTY ROAD 1050

MATCH LINE STA 88+00

MATCH LINE STA 99+00



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DRAWN: JAS, PLS, PLS
PLOTTER: Amor Admin
PLOT DATE: 10/13/23

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED

RVG
DRAWN

JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1"=40'
	VERT 1"=4'
DATE	JANUARY 2023

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

**SCR 1050 PLAN AND PROFILE
STA 88+00 TO 99+00**

DA PROJECT
B006796.001

SHEET
39



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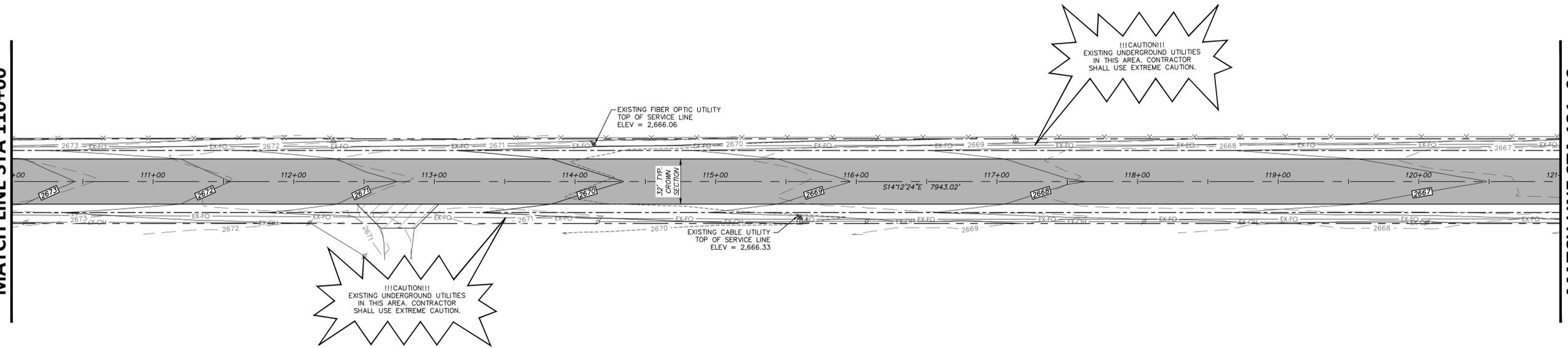
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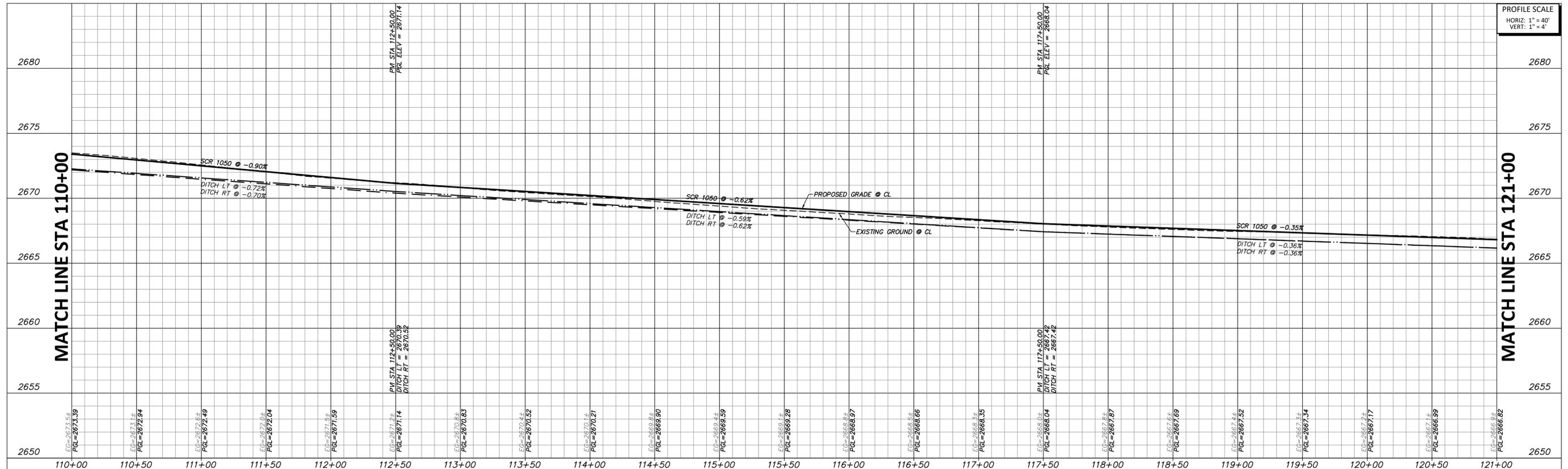
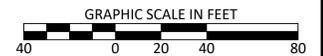
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 110+00

MATCH LINE STA 121+00



SOUTH COUNTY ROAD 1050



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 PLOTTER: HPGL PLOT
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 10/23/2023

NO.	REVISION	BY	DATE	CHECKED

MIDLAND COUNTY
MIDLAND, TEXAS

SCALE
 HORIZ
 1"=40'
 VERT
 1"=4'
 DATE
 JANUARY
 2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
SCR 1050 PLAN AND PROFILE
STA 110+00 TO 121+00

DA PROJECT
 B006796.001
 SHEET
41



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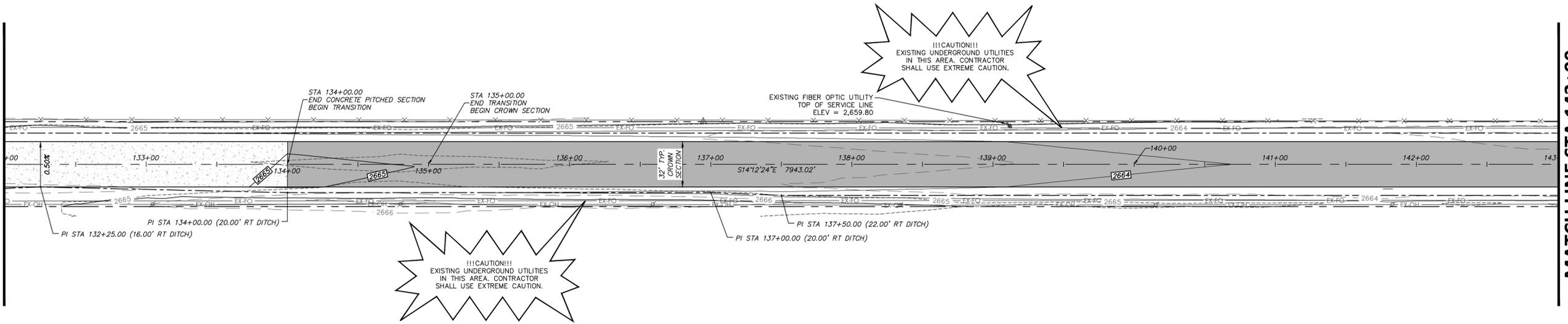
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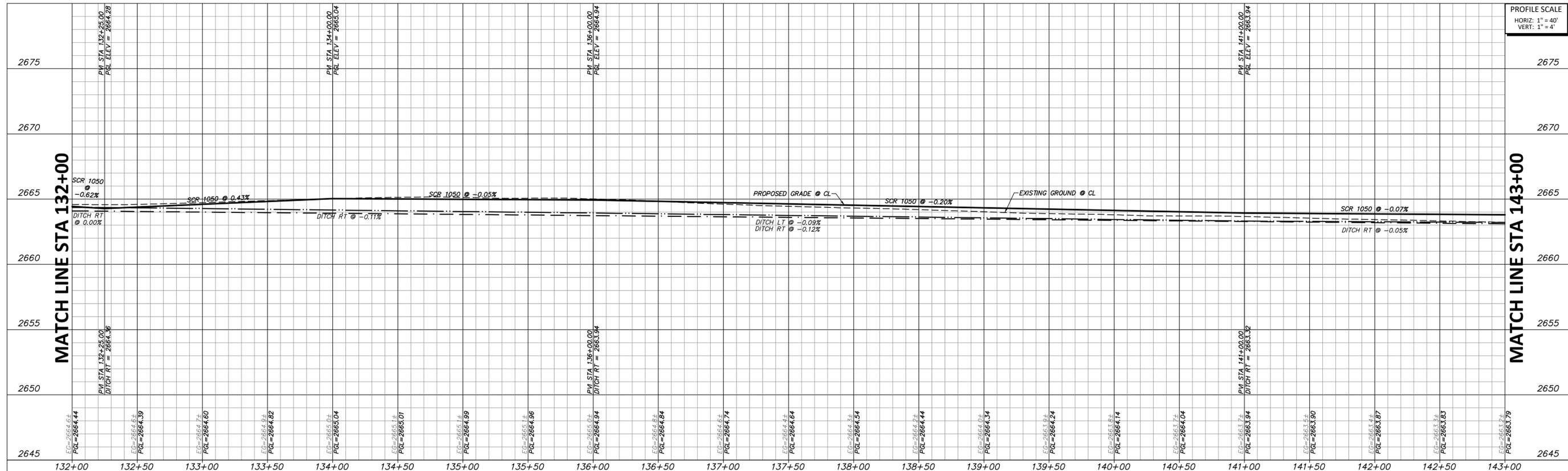
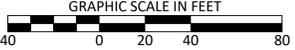
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 132+00

MATCH LINE STA 143+00



SOUTH COUNTY ROAD 1050



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

FULL PATH: G:\Production\4000\066700\066700\Drawings\Plan\Sheet\SCR1050_Plan.dwg

FILENAME: SCR1050_Plan.dwg
PLOTTER: HP DesignJet 5000
PLOT DATE: 1/17/2023 10:52 AM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS
RVG	DRAWN	
JAS	CHECKED	

SCALE	DUNAWAY
HORIZ	
VERT	
DATE	
JANUARY 2023	4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705 Tel: 432.699.4889 [TX REG. F-1114]

Jessica A. Schuttler
PROFESSIONAL ENGINEER

MIDLAND COUNTY PRECINCT 2	DA PROJECT
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110	B006796.001
MIDLAND COUNTY, TEXAS	SHEET
SCR 1050 PLAN AND PROFILE	43
132+00 TO 143+00	



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OFF-SITE BENCHMARK INFORMATION:

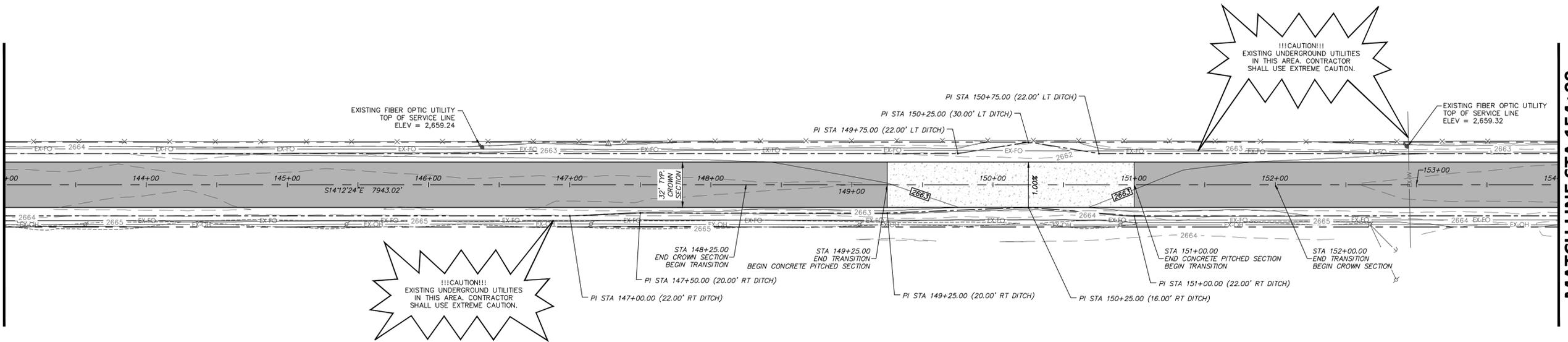
BENCHMARK 8071208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

BENCHMARK:

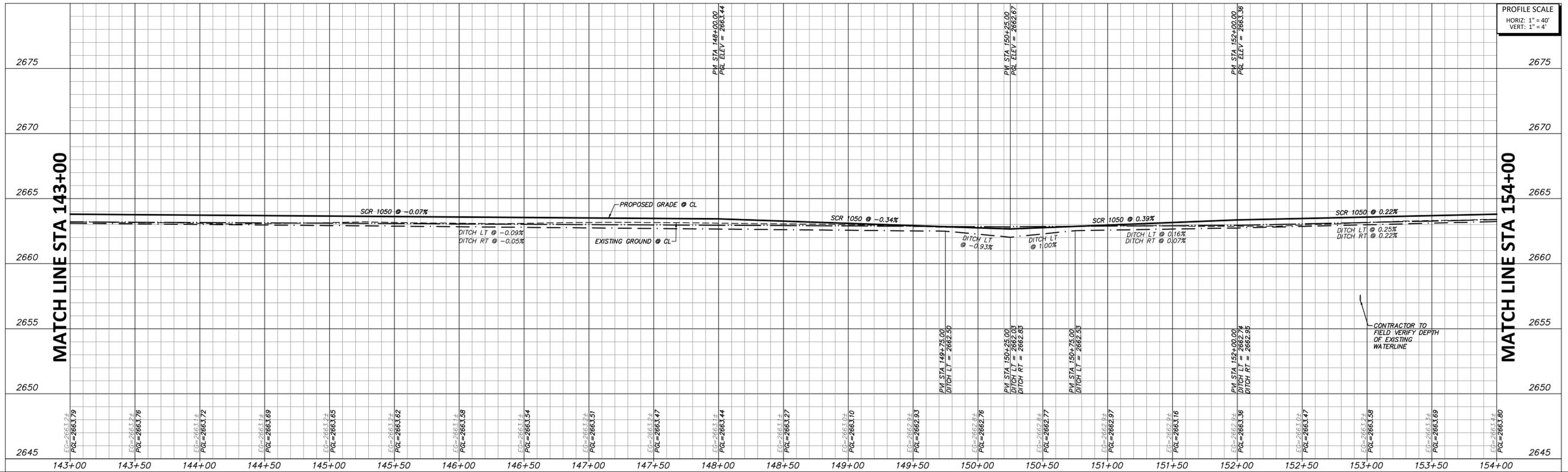
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 143+00

MATCH LINE STA 154+00



SOUTH COUNTY ROAD 1050



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

MATCH LINE STA 143+00

MATCH LINE STA 154+00

FILE PATH: G:\Production\4000\806796\001\001\Drawings\Plan\Sheet\806796.dwg

DRAWN: JAS
CHECKED: JAS
DATE: JANUARY 17, 2023

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED

RVG
DRAWN

JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1"=40'
	VERT 1"=4'
DATE	JANUARY 2023

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

**SCR 1050 PLAN AND PROFILE
STA 143+00 TO 154+00**

DA PROJECT B006796.001
SHEET 44



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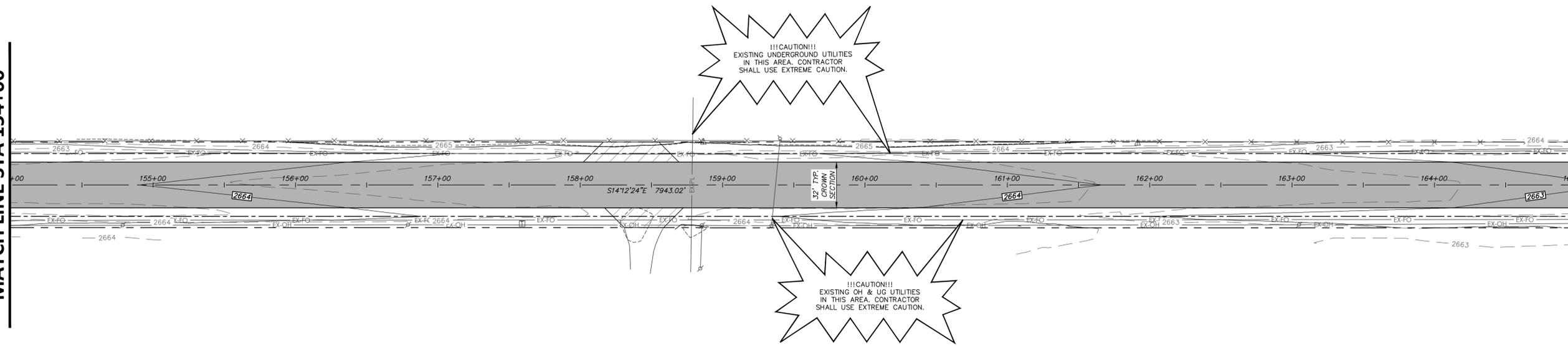
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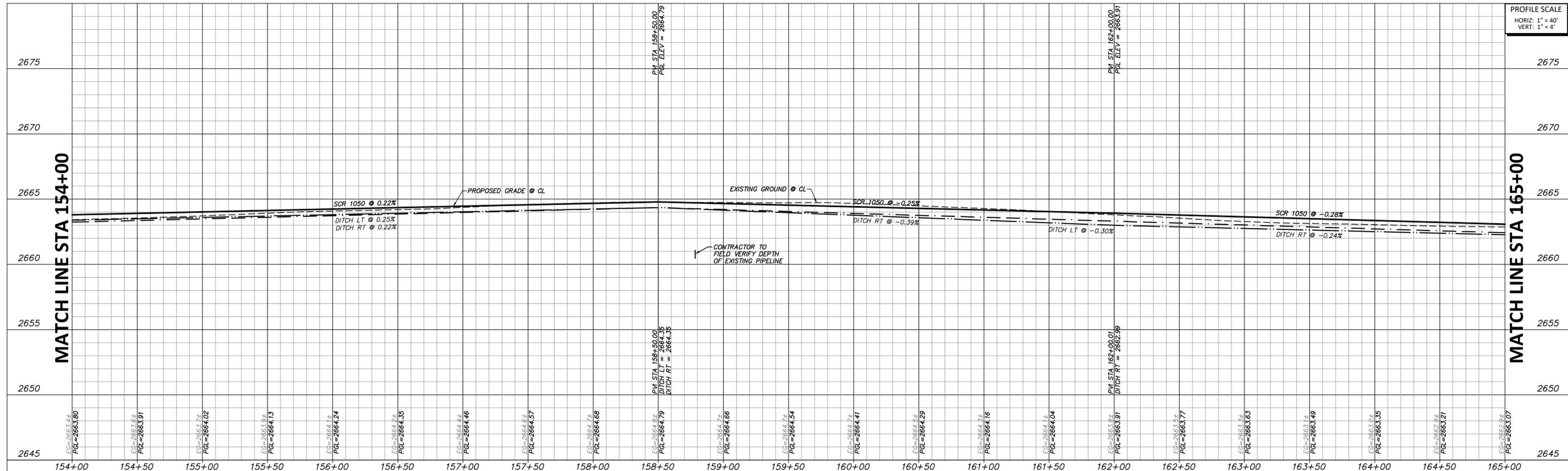
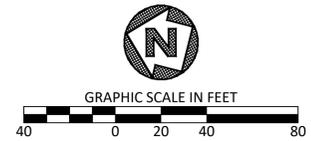
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 154+00

MATCH LINE STA 165+00



SOUTH COUNTY ROAD 1050



FILE PATH: G:\Production\4000\06700\06700\06700\06700\Drawings\Plan\Sheet\SCR1050.Plot.dwg
 PLOTTER: HP DesignJet 5000
 PLOTTED AT: 1/17/23 10:52 AM

NO.	REVISION	BY	DATE

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
 HORIZ
 1"=40'
 VERT
 1"=4'
 DATE
 JANUARY
 2023

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

JESSICA A. SCHUTTLE
 LICENSE NO. 132068
 PROFESSIONAL ENGINEER

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
SCR 1050 PLAN AND PROFILE
STA 154+00 TO 165+00

DA PROJECT
 B006796.001
 SHEET
45



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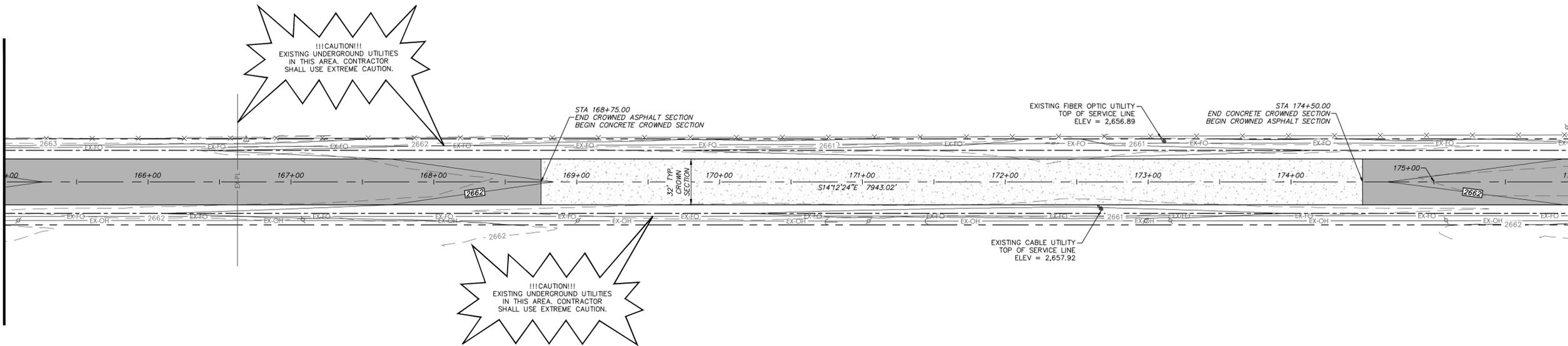
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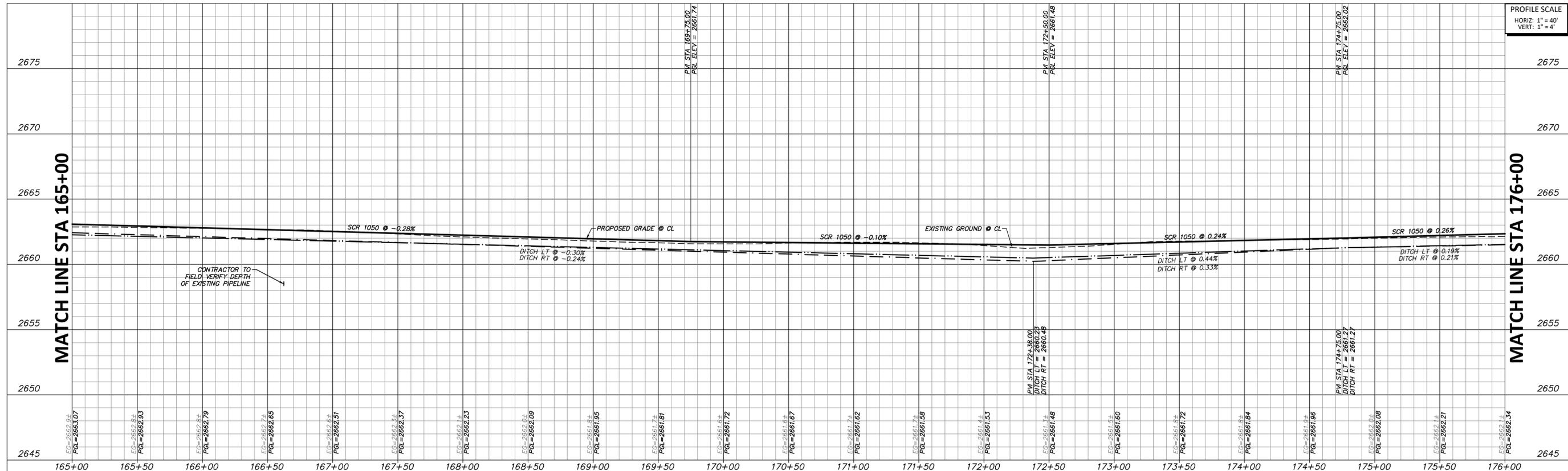
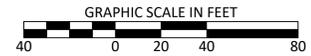
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 165+00

MATCH LINE STA 176+00



SOUTH COUNTY ROAD 1050



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

FULL PATH: G:\Production\4000\066796\066796\001\CAD\Drawings\Plan\Sheet\066796\066796.dwg
 PLOT DATE: 12/15/2023 10:11:11 AM
 PLOTTER: HP DesignJet 5000 Series
 PLOTTED BY: AMOR ADAMS
 PLOTTED DATE: 12/15/2023

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE
RVG	DRAWN		HORIZ 1"=40'
JAS	CHECKED		VERT 1"=4'
			DATE
			JANUARY 2023

DUNAWAY

 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705

 Tel: 432.699.4889

 TX REG. F-1114



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
SCR 1050 PLAN AND PROFILE
STA 165+00 TO 176+00

DA PROJECT
 B006796.001
 SHEET
46



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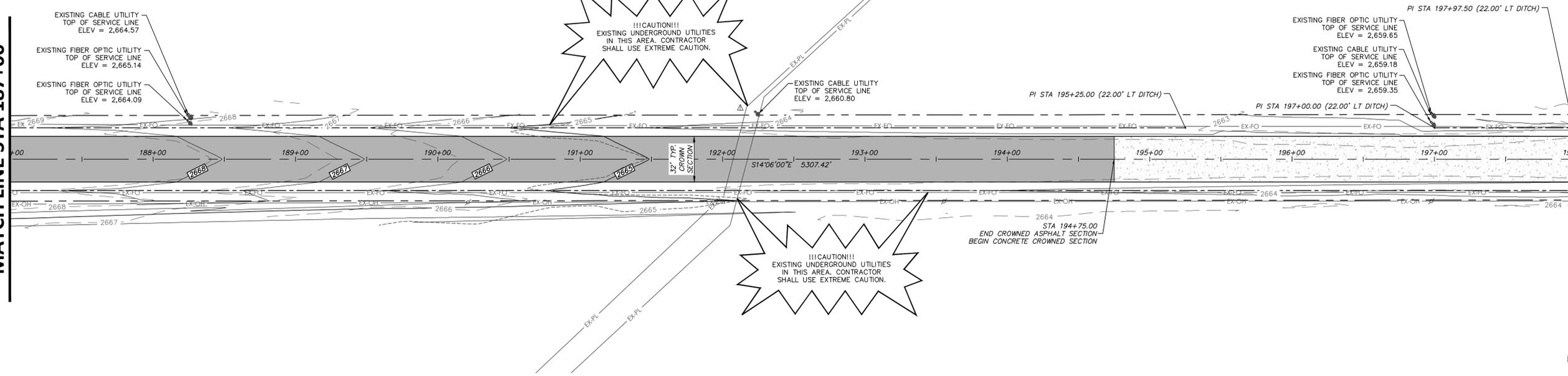
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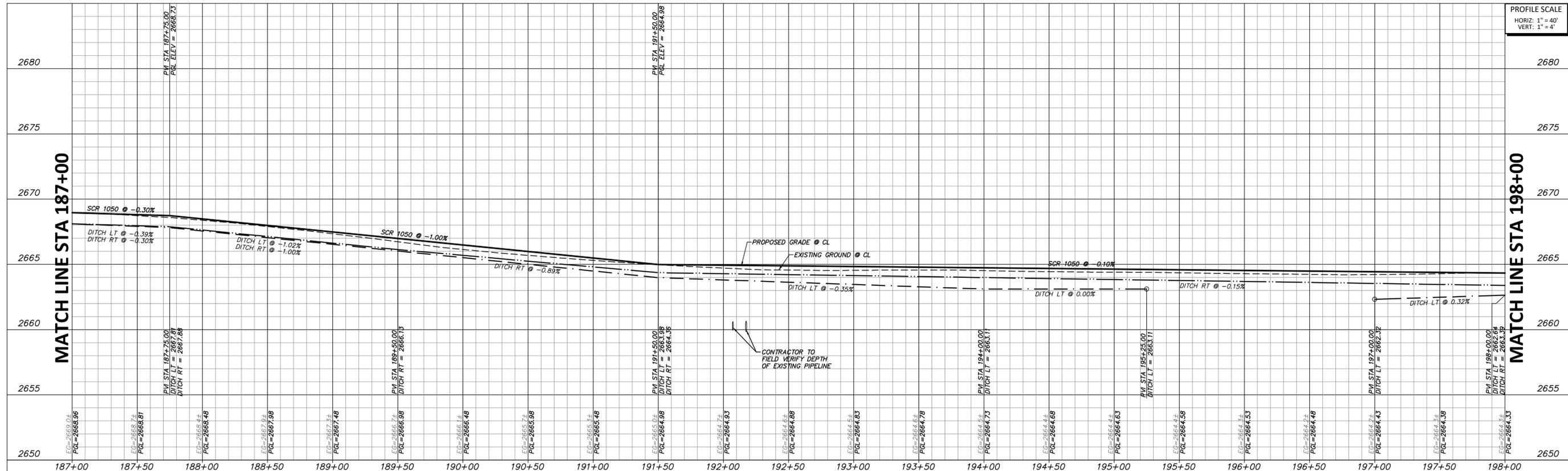
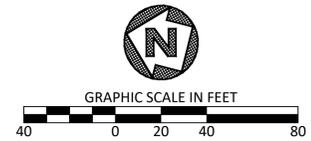
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 187+00

MATCH LINE STA 198+00



SOUTH COUNTY ROAD 1050



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

MATCH LINE STA 187+00

MATCH LINE STA 198+00

FILE PATH: G:\Production\4000 1050\1050.P01\CAD\Drawings\Plan Sheets\1050.P01.dwg
DATE PLOTTED: 1/17/23 10:58 AM
PLOTTER: HP DesignJet 5000
PLOT SCALE: 1/8"=1'-0"

NO.	REVISION	BY	DATE	CHECKED

MIDLAND COUNTY
MIDLAND, TEXAS

SCALE
HORIZ
1"=40'
VERT
1"=4'
DATE
JANUARY
2023

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

JESSICA A. SCHUTTLE
 LICENSE
 PROFESSIONAL ENGINEER
 J. A. Schuttler

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
SCR 1050 PLAN AND PROFILE
STA 187+00 TO 198+00

DA PROJECT
B006796.001
SHEET
48



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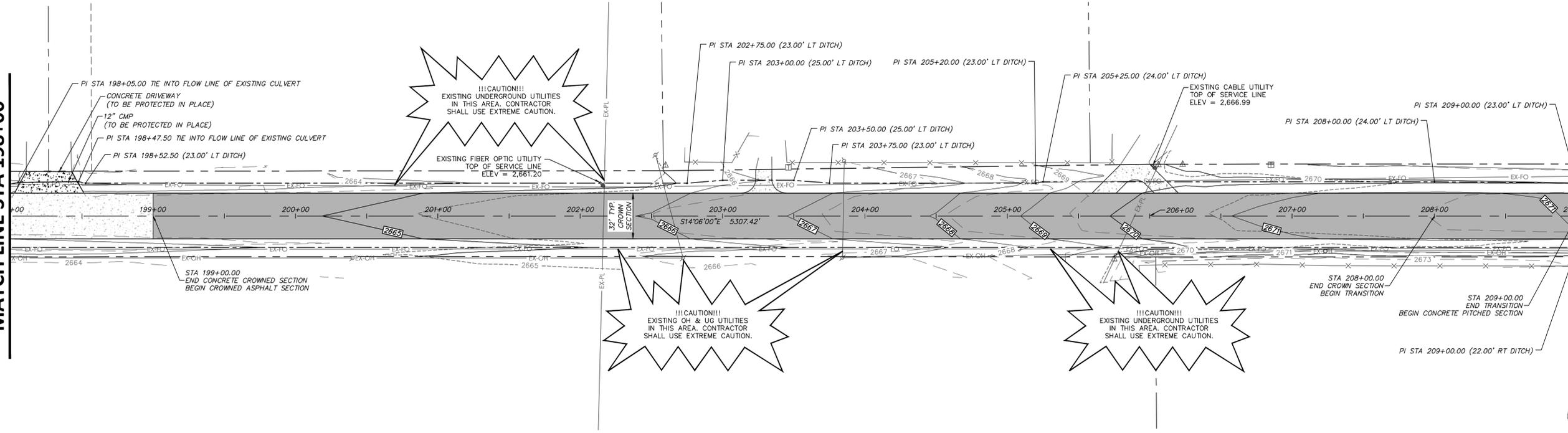
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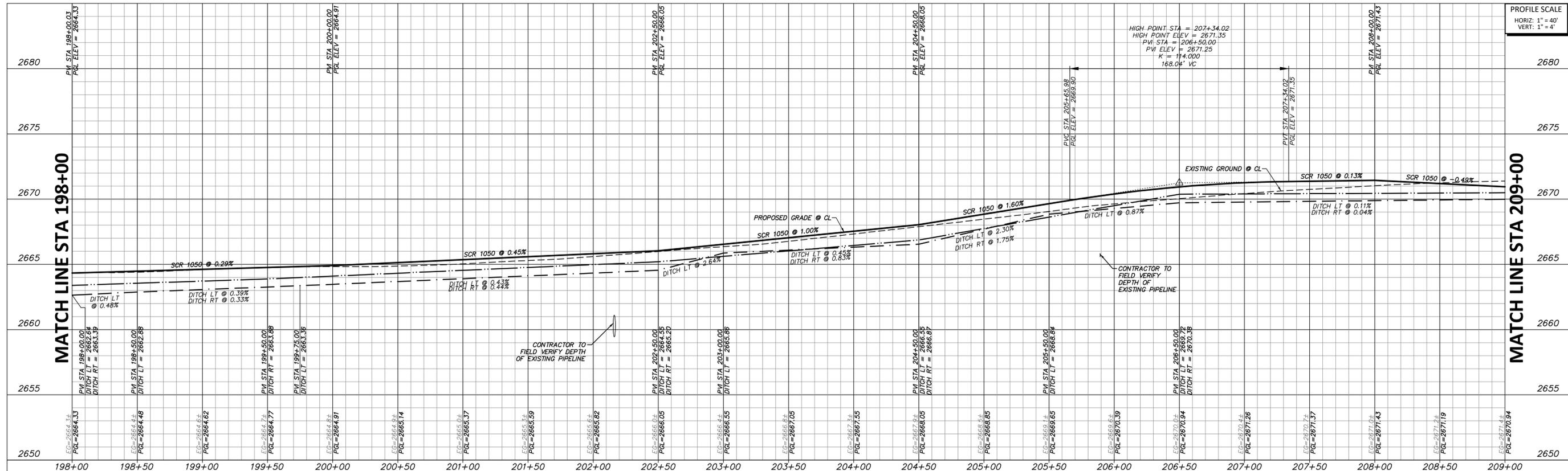
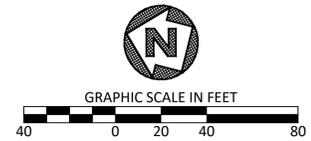
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 198+00

MATCH LINE STA 209+00



SOUTH COUNTY ROAD 1050



FILE PATH: G:\Production\4000\06700\067001\CADD\Drawings\Plan\Sheet\SCR1050_Plan.dwg
PLOTTER: HP DesignJet 5000
PLOT DATE: 1/17/23
PLOT TIME: 10:55:18 AM

NO.	REVISION	BY	DATE	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1"=40'
VERT
1"=4'
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
**SCR 1050 PLAN AND PROFILE
STA 198+00 TO 209+00**

DA PROJECT
B006796.001
SHEET
49



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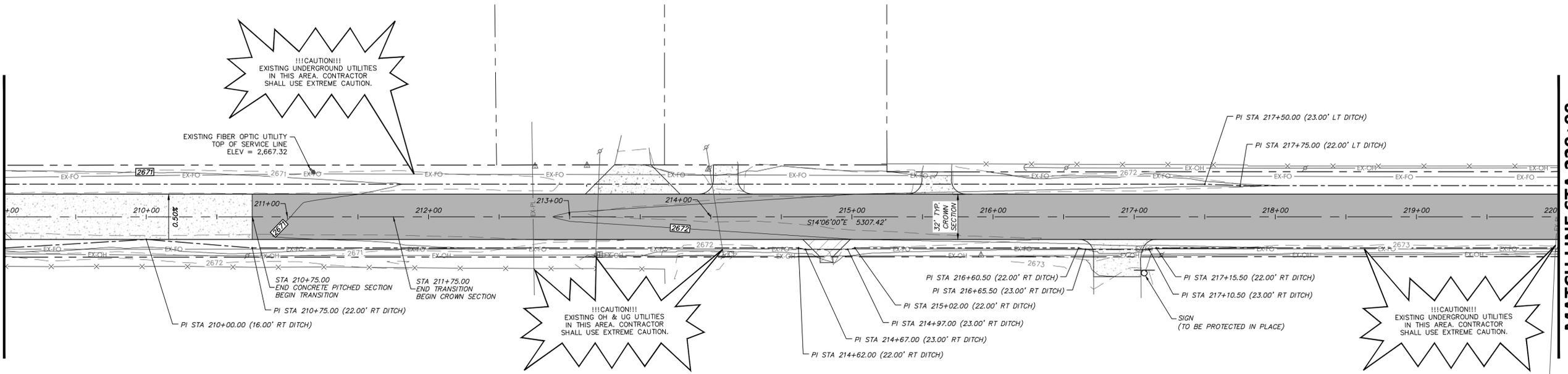
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BENCHMARK:

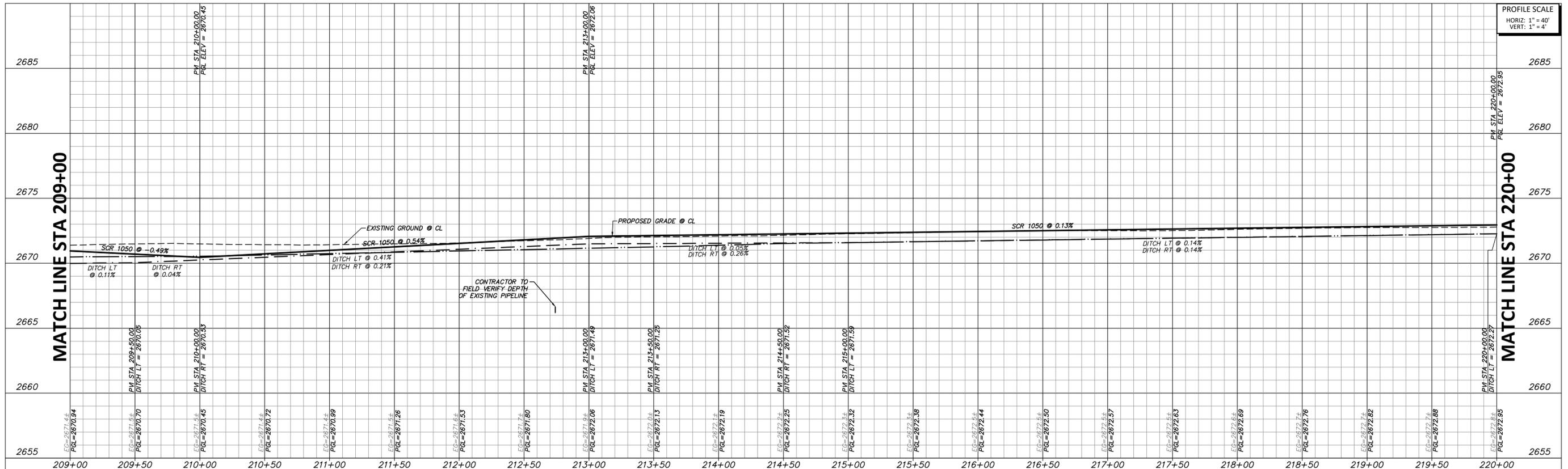
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 209+00

MATCH LINE STA 220+00



SOUTH COUNTY ROAD 1050



FILE PATH: G:\Production\4000\060700\060700\060700\Drawings\Plan\Sheet\1050_Plan.dwg

DATE: 01/17/23
DRAWN BY: Allison Adams
CHECKED BY: JAS
PLOT DATE: 01/17/23

NO.	REVISION	BY	DATE	CHECKED

MIDLAND COUNTY
MIDLAND, TEXAS

RVG
DESIGNED
RVG
DRAWN
JAS
DATE
JANUARY 2023

SCALE
HORIZ
1"=40'
VERT
1"=4'
DATE
JANUARY 2023

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

1/17/23

Jessica A. Schuttler

MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS

SCR 1050 PLAN AND PROFILE
STA 209+00 TO 220+00

DA PROJECT
B006796.001

SHEET
50



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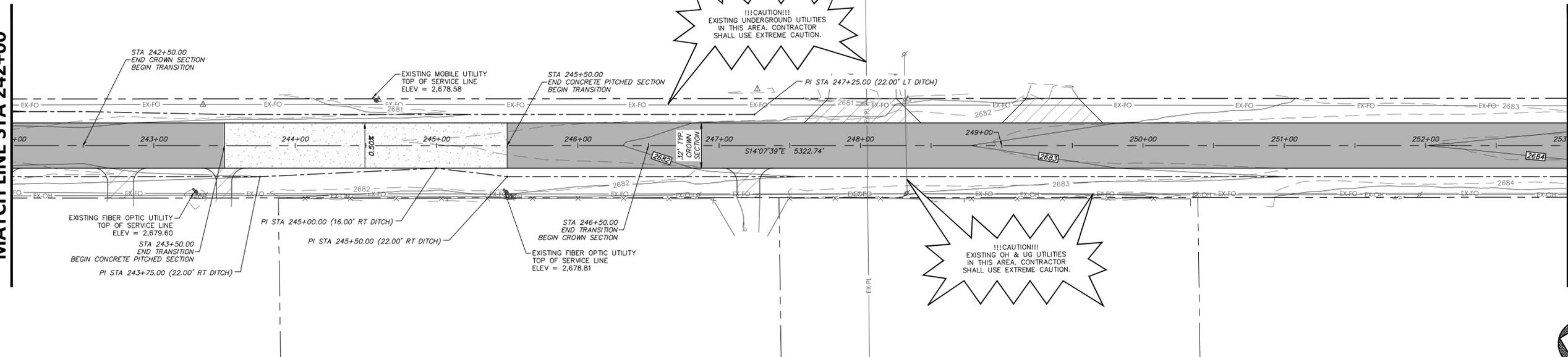
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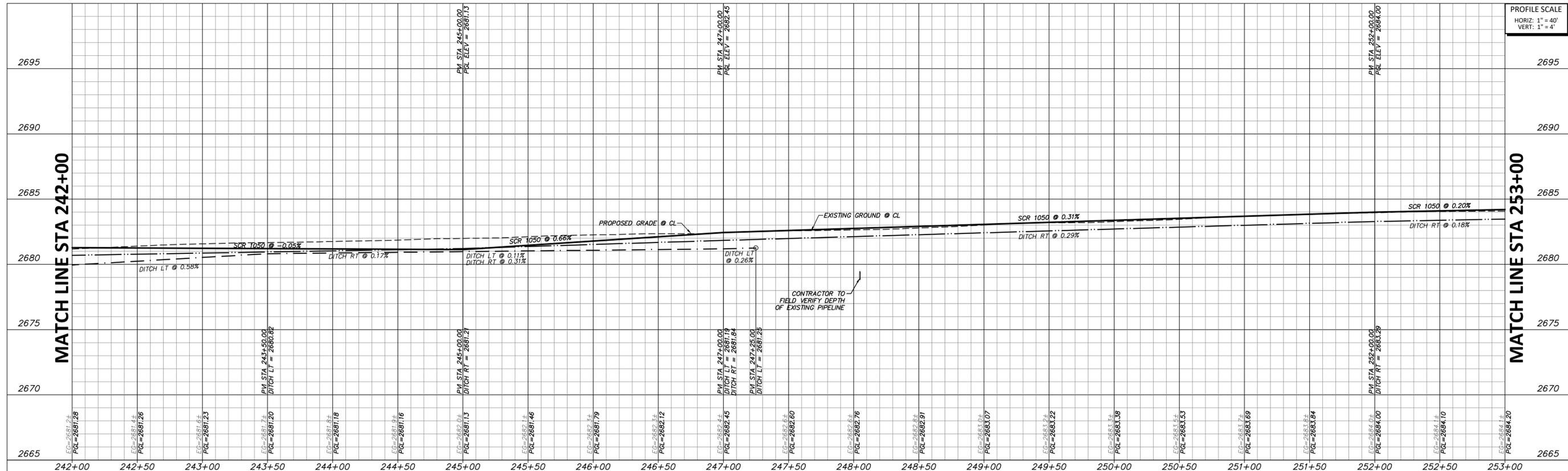
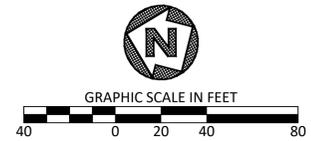
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 242+00



MATCH LINE STA 253+00

SOUTH COUNTY ROAD 1050



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

MATCH LINE STA 242+00

MATCH LINE STA 253+00

FULL PATH: G:\Production\4000\060600\060600\Drawings\Plan\Sheet\SCR1050_Plan.dwg

FILENAME: SCR1050_Plan.dwg
PLOTTER: Allion idgen
PLOT DATE: 1/17/2023 10:53:00 AM
PLOTTER: HP DesignJet T1300PS

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS
RVG	DRAWN	
JAS	CHECKED	

SCALE	HORIZ 1"=40'
	VERT 1"=4'
DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
**SCR 1050 PLAN AND PROFILE
STA 242+00 TO 253+00**

DA PROJECT	B006796.001
SHEET	53



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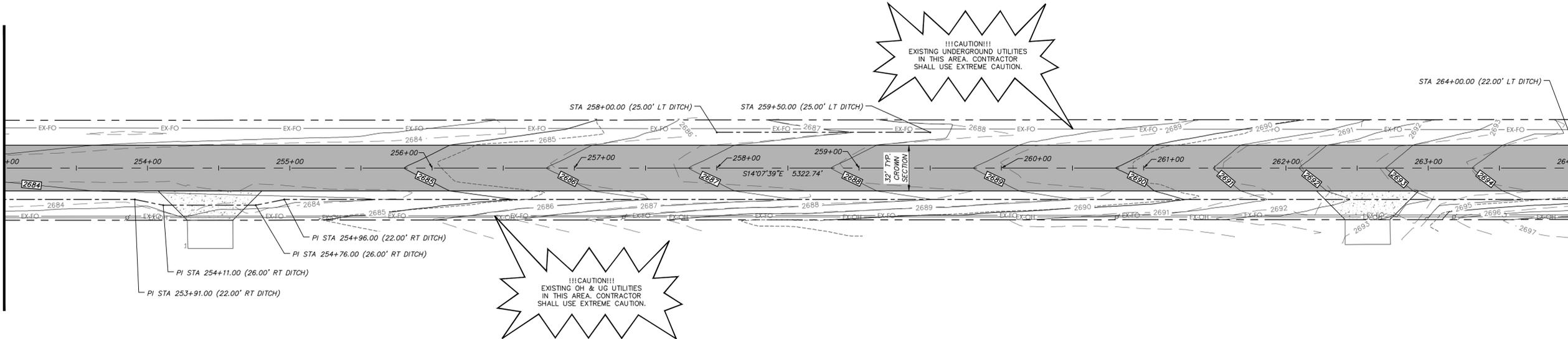
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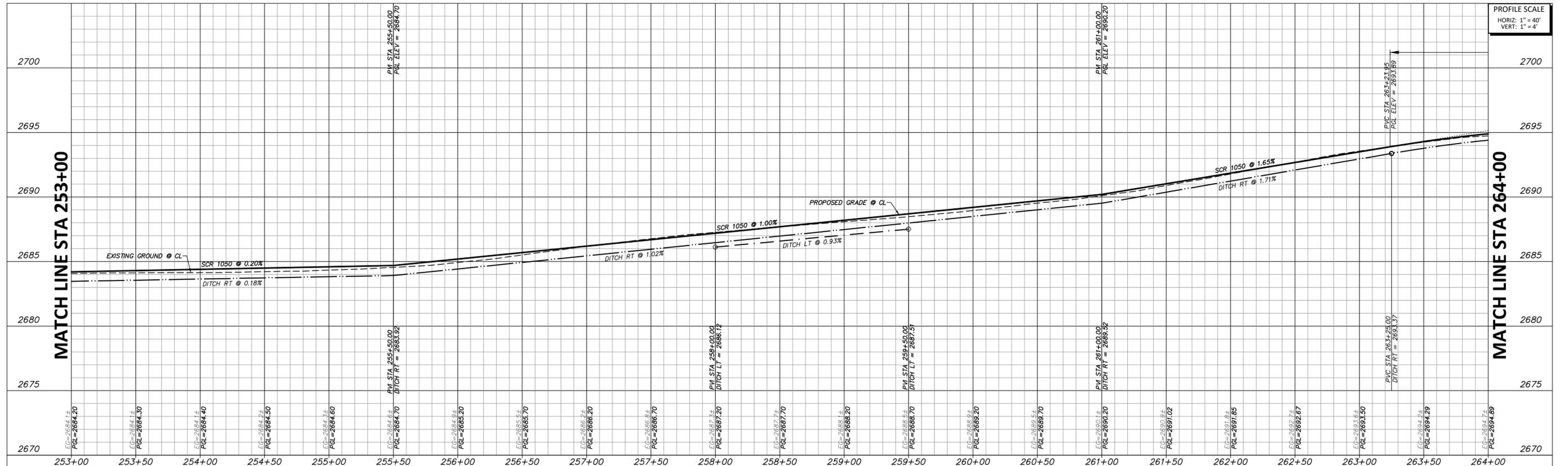
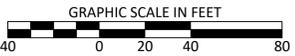
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 253+00

MATCH LINE STA 264+00



SOUTH COUNTY ROAD 1050



FULL PATH: G:\Production\4000\066700\066700\01\Drawings\Plan\Sheet\SCR1050_Plan.dwg
 FILENAME: SCR1050_Plan.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 1/17/23 10:58 AM

NO.	REVISION	BY	DATE	CHECKED

RVG
 DESIGNED
 RVG
 DRAWN
 JAS
 CHECKED

**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE	HORIZ 1"=40'
	VERT 1"=4'
DATE	JANUARY 2023

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

MIDLAND COUNTY PRECINCT 2
 SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
 MIDLAND COUNTY, TEXAS
**SCR 1050 PLAN AND PROFILE
 STA 253+00 TO 264+00**

DA PROJECT
 B006796.001
 SHEET
54



WARNING TO CONTRACTOR:

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

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OFF-SITE BENCHMARK INFORMATION:

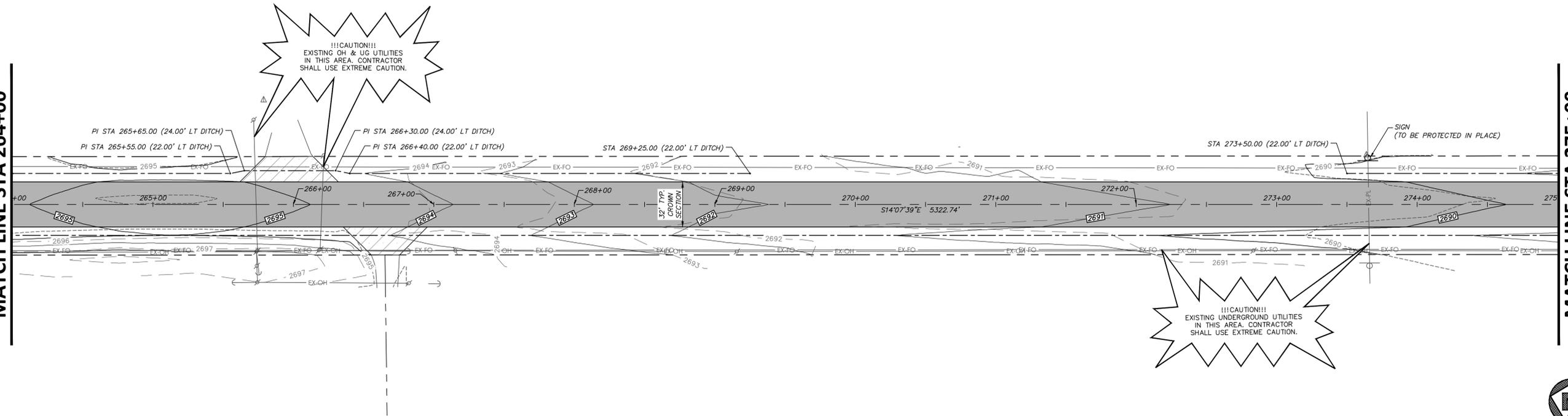
BENCHMARK 801208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

BENCHMARK:

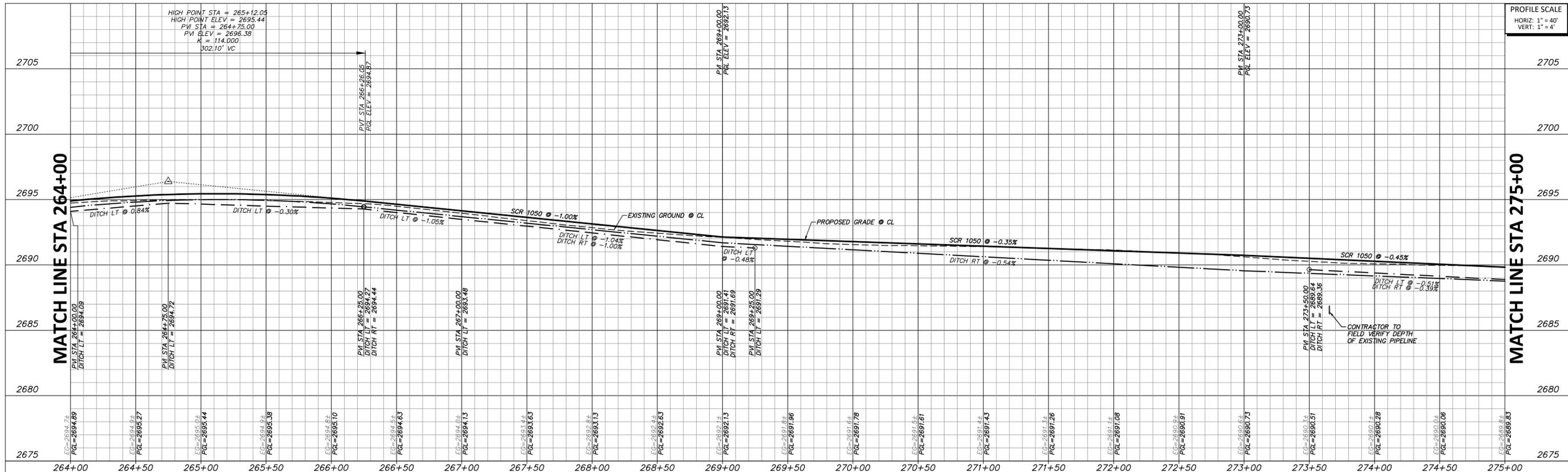
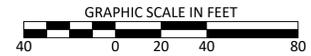
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 264+00

MATCH LINE STA 275+00



SOUTH COUNTY ROAD 1050



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

FULL PATH: G:\Production\4000\060700\0795\001\CAD\Drawings\Plan\Sheet\SCR1050.Plot.dwg

FILENAME: SCR1050.Plot.dwg
PLOTTER: HP DesignJet 500
PLOT DATE: 11/17/2023 10:52 PM

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NO.	REVISION	BY	DATE																																										
RVG	DESIGNED																																												
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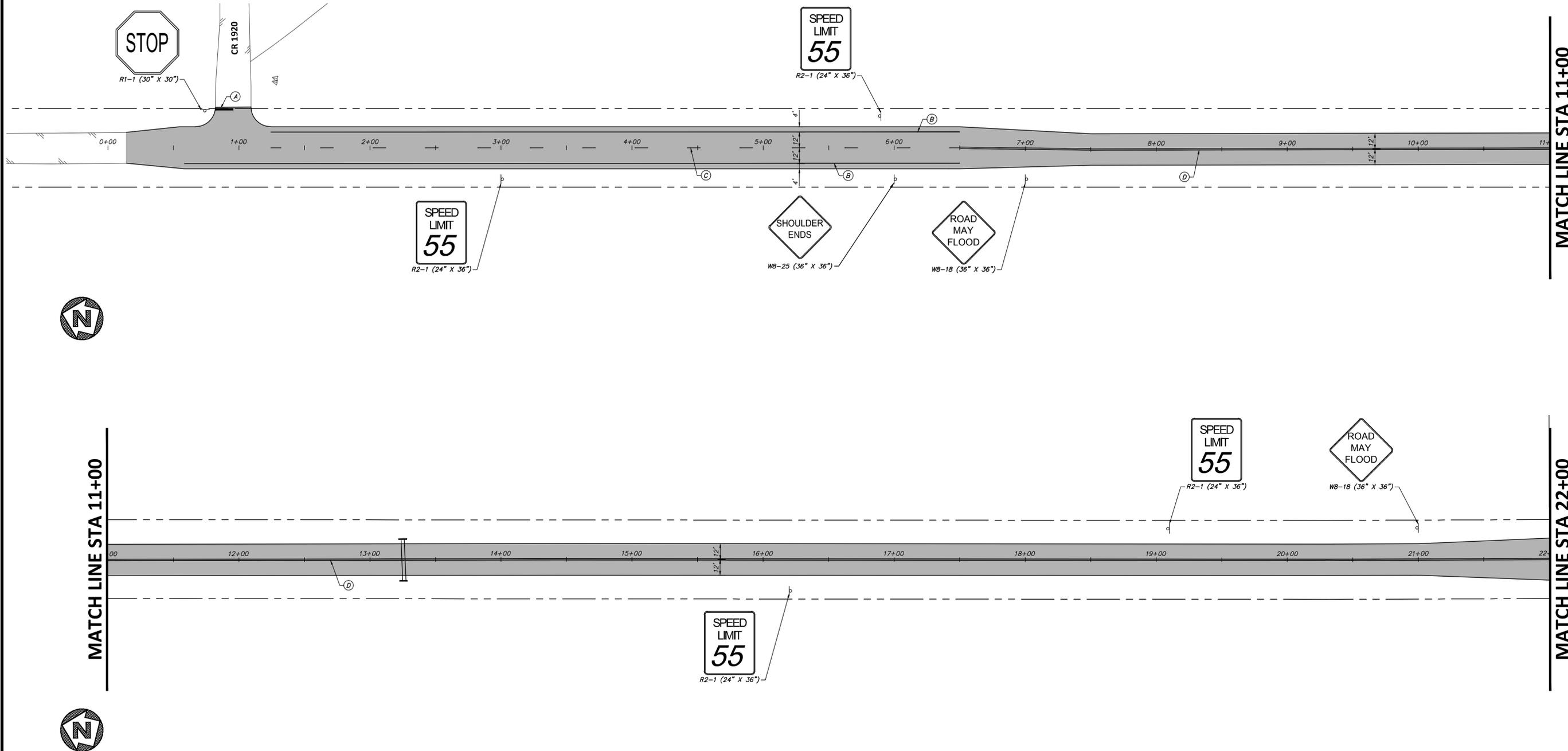
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OFF-SITE BENCHMARK INFORMATION:
BENCHMARK 8071208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT.
ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

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

SOUTH COUNTY ROAD 1050



MATCH LINE STA 11+00

MATCH LINE STA 22+00

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

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)
+	INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	<p>MIDLAND COUNTY MIDLAND, TEXAS</p>	SCALE
RVG	DRAWN		HORIZ 1"=40'
JAS	CHECKED		VERT N/A
			DATE JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET
SCR 1050 SIGNAGE AND PAVEMENT MARKINGS STA 0+00 TO 22+00	57

FULL PATH: G:\Production\4000\006796\001\Drawings\p1a\sheet\signage & pavement markings.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Alton Adams
 PLOTTED DATE: 1/17/23 10:08 PM



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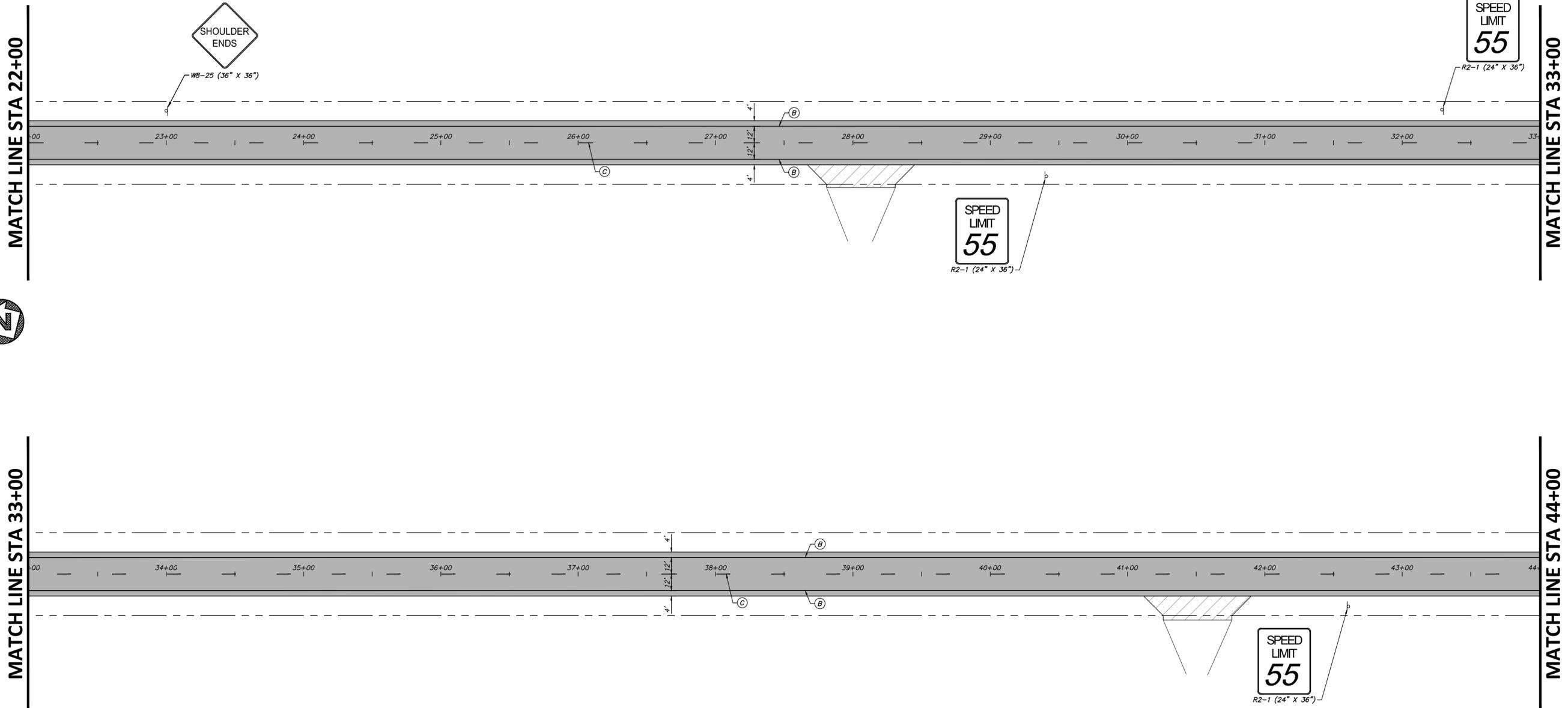
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BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050



NOTES:

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

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)
- INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
**SCR 1050 SIGNAGE AND PAVEMENT MARKINGS
STA 22+00 TO 44+00**

DA PROJECT
B006796.001
SHEET
58

FULL PATH: G:\Production\2000\006796\006796\001\Drawings\Plan\Sheet\Signage & Pavement Markings.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 3/27/23 10:18 PM



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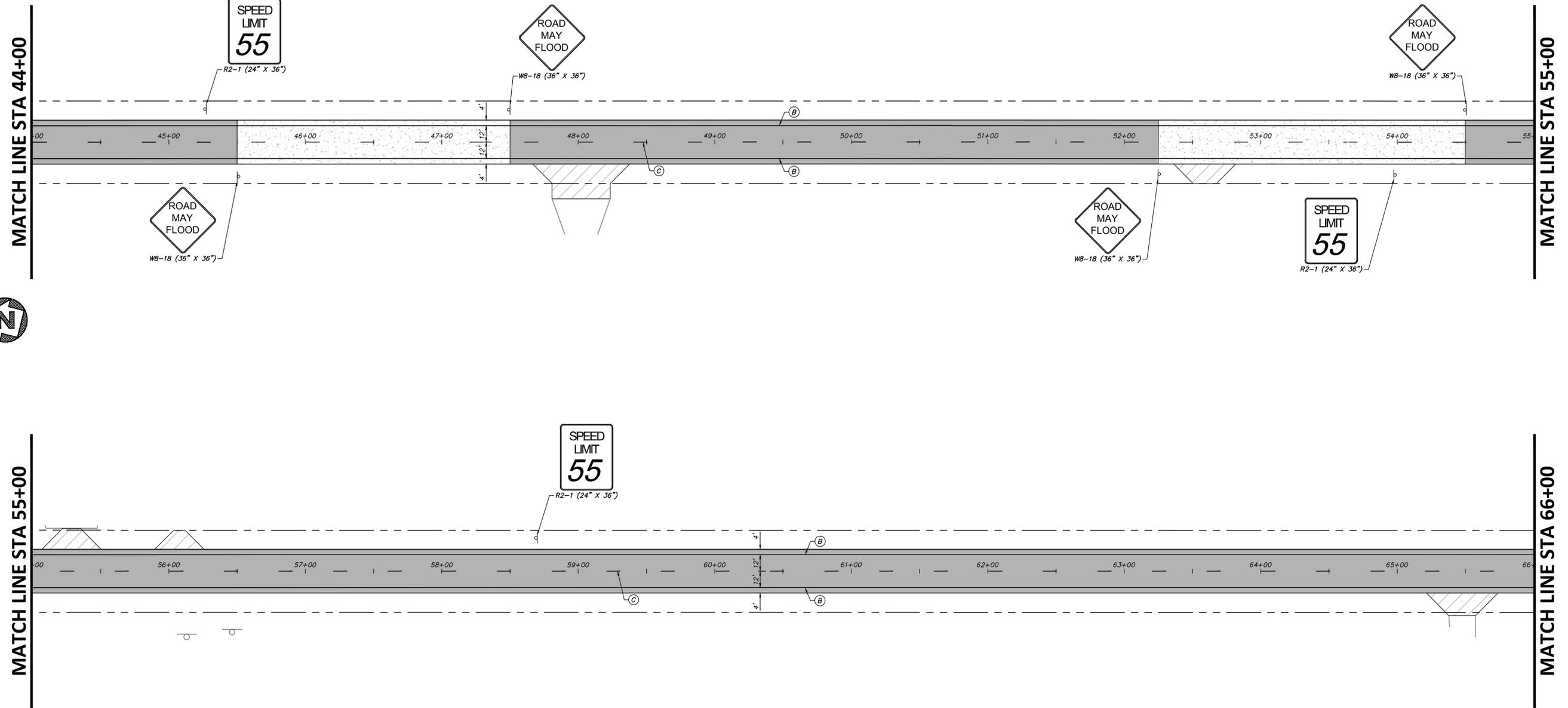
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SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050



- NOTES:**
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FULL PATH: G:\Production\4000\006796\095\001\CD\Drawings\Plan\Sheet\SIGNAGE & PAVEMENT MARKINGS.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 1/17/23 10:27:29 AM

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE
RVG	DRAWN		HORIZ 1"=40'
JAS	CHECKED		VERT N/A
			DATE JANUARY 2023

DUNAWAY

 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705

 Tel: 432.699.4889

 [TX REG. F-1114]

JESSICA A. SCHUTTLE

 LICENSE NO. 132068

 PROFESSIONAL ENGINEER

MIDLAND COUNTY PRECINCT 2		DA PROJECT
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS		B006796.001
SCR 1050 SIGNAGE AND PAVEMENT MARKINGS		SHEET
STA 44+00 TO 66+00		59



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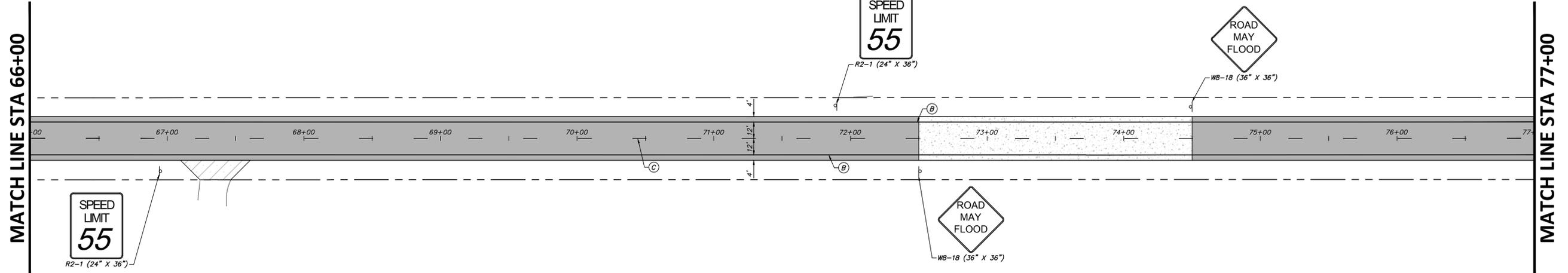
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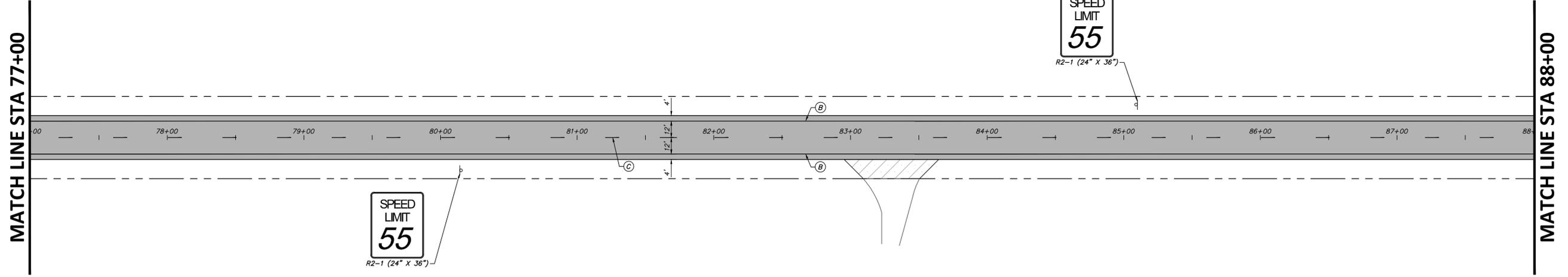
BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050



MATCH LINE STA 77+00



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

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



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+	INSTALL ROADSIDE SIGN

MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	60
SCR 1050 SIGNAGE AND PAVEMENT MARKINGS STA 66+00 TO 88+00		

FULL PATH: G:\Production\000\006796\02\Drawings\Plan\Sheet\Signage & Pavement Markings.dwg
 PLOTTED BY: Alton Adams
 PLOTTED DATE: 1/17/23 10:28 PM



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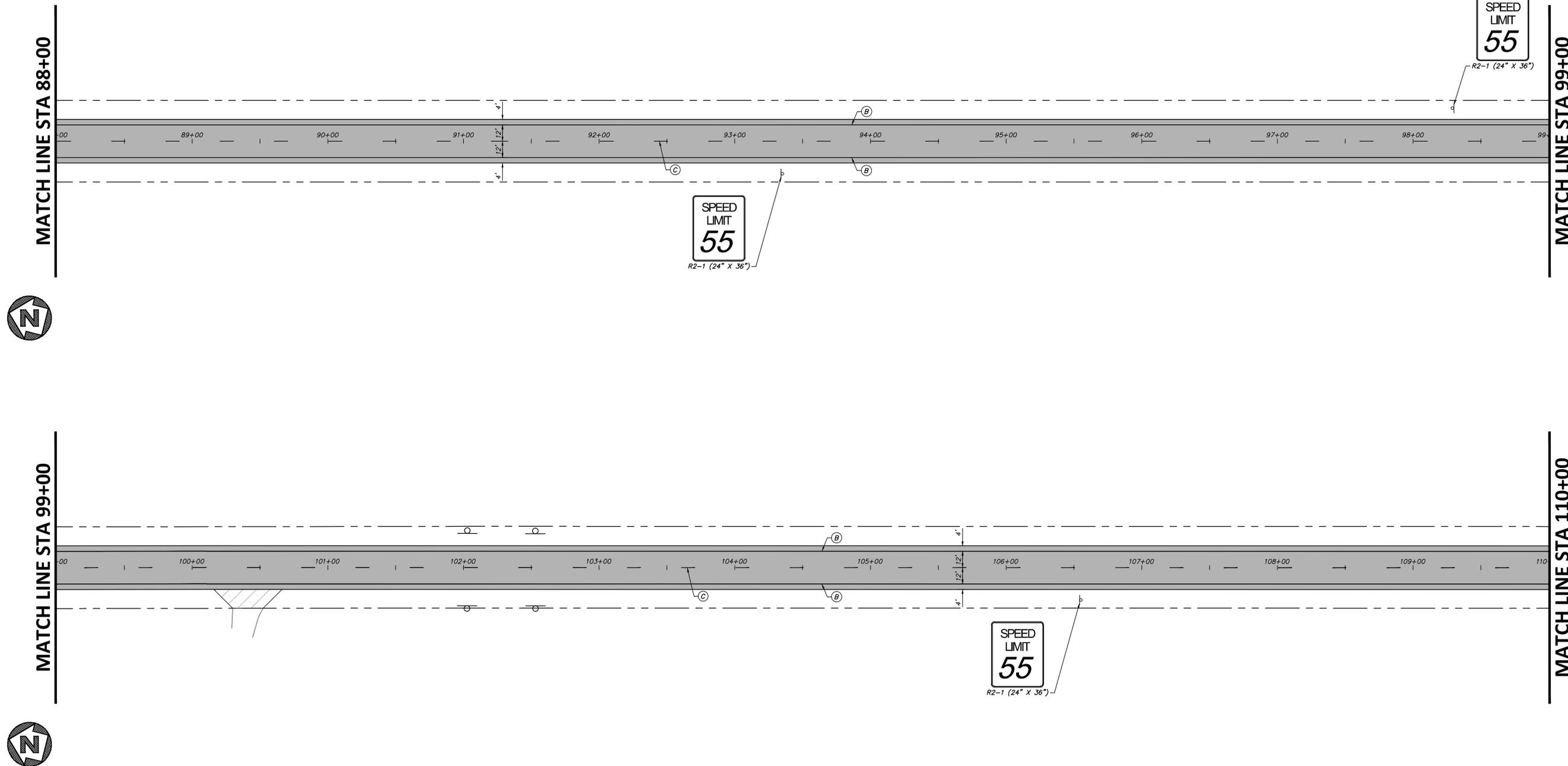
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SOUTH COUNTY ROAD 1050



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NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1"=40'
	VERT N/A
	DATE JANUARY 2023

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2	
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	
SCR 1050 SIGNAGE AND PAVEMENT MARKINGS STA 88+00 TO 110+00	

DA PROJECT B006796.001
SHEET 61

FULL PATH: G:\Production\4000\006796\006796\001\Drawings\Plan\Sheet\Signage & Pavement Markings.dwg
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 PLOTTED BY: Allison Adams
 PLOTTED DATE: 1/17/23 10:25 PM



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BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

SOUTH COUNTY ROAD 1050

MATCH LINE STA 110+00

MATCH LINE STA 121+00



R2-1 (24" X 36")



R2-1 (24" X 36")



MATCH LINE STA 121+00

MATCH LINE STA 132+00



R2-1 (24" X 36")



W8-18 (36" X 36")

NOTES:

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- INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	N/A
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
**SCR 1050 SIGNAGE AND PAVEMENT MARKINGS
STA 110+00 TO 132+00**

DA PROJECT
B006796.001
SHEET
62



WARNING TO CONTRACTOR:
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STATE PLANE COORDINATE NOTE:
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OFF-SITE BENCHMARK INFORMATION:
BENCHMARK 80/1208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT.
ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

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

SOUTH COUNTY ROAD 1050

MATCH LINE STA 154+00

MATCH LINE STA 165+00

SPEED LIMIT 55
R2-1 (24" X 36")

SPEED LIMIT 55
R2-1 (24" X 36")



MATCH LINE STA 165+00

MATCH LINE STA 176+00

ROAD MAY FLOOD
W8-18 (36" X 36")

ROAD MAY FLOOD
W8-18 (36" X 36")

SPEED LIMIT 55
R2-1 (24" X 36")

W3-1 (30" X 30")



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

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)
+	INSTALL ROADSIDE SIGN



FULL PATH: G:\Production\000\006796\02\Drawings\02\SCRSignage & Pavement Markings.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Alton Adams
 PLOTTED DATE: 1/17/23 10:52 PM

NO.	REVISION	BY	DATE	CHECKED

RVG DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE HORIZ 1"=40'
RVG DRAWN		VERT N/A
JAS CHECKED		DATE
		JANUARY 2023

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

1/17/23
 STATE OF TEXAS
 JESSICA A. SCHUTTLE
 LICENSE NO. 132068
 PROFESSIONAL ENGINEER
 J. A. Schuttler

MIDLAND COUNTY PRECINCT 2	DA PROJECT B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET
SCR 1050 SIGNAGE AND PAVEMENT MARKINGS STA 154+00 TO 176+00	64



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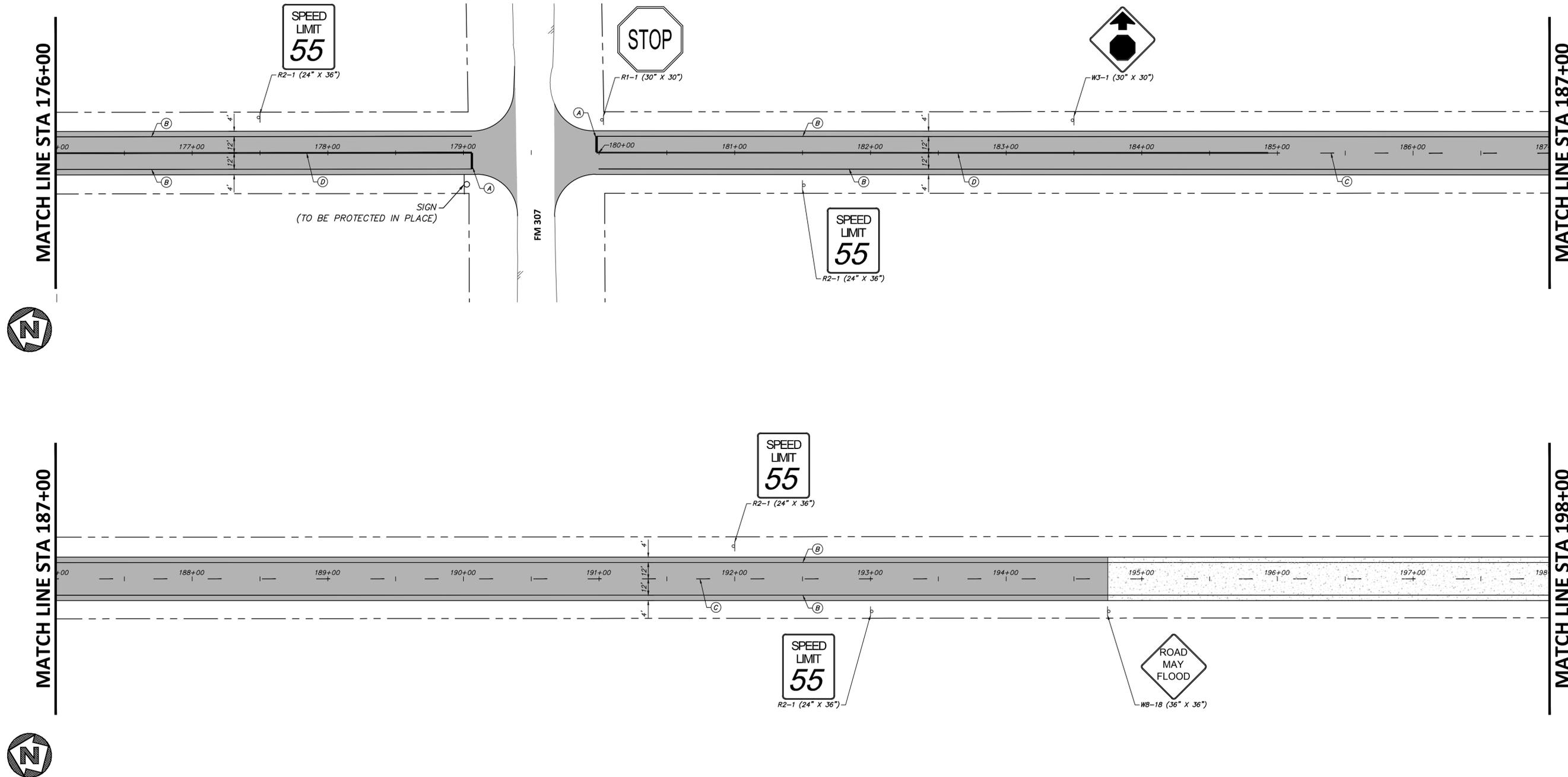
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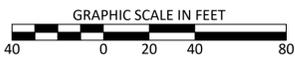
SOUTH COUNTY ROAD 1050



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 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Alton Adams
 PLOTTED DATE: 1/17/23

- NOTES:**
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+	INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE
RVG	DRAWN		HORIZ 1"=40'
JAS	CHECKED		VERT N/A
			DATE JANUARY 2023

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

JESSICA A. SCHUTTLER
 LICENSED PROFESSIONAL ENGINEER
 State of Texas

MIDLAND COUNTY PRECINCT 2		DA PROJECT
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS		B006796.001
SCR 1050 SIGNAGE AND PAVEMENT MARKINGS STA 176+00 TO 198+00		SHEET
		65



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BENCHMARK:

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SOUTH COUNTY ROAD 1050



R2-1 (24" X 36")

MATCH LINE STA 220+00

MATCH LINE STA 231+00

221+00 222+00 223+00 224+00 225+00 226+00 227+00 228+00 229+00 230+00 231



MATCH LINE STA 231+00

MATCH LINE STA 242+00

232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242



R1-1 (30" X 30")



R1-1 (30" X 30")



R2-1 (24" X 36")

ECR 110

NOTES:

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FULL PATH: G:\Production\4000\006796\001\001\Drawings\pavement\scr1050\scr1050_pavement_markings.dwg
 FILENAME: SCR1050_SIGNAGE_AND_PAVEMENT_MARKINGS.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 1/17/23

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	67
SCR 1050 SIGNAGE AND PAVEMENT MARKINGS STA 220+00 TO 242+00		



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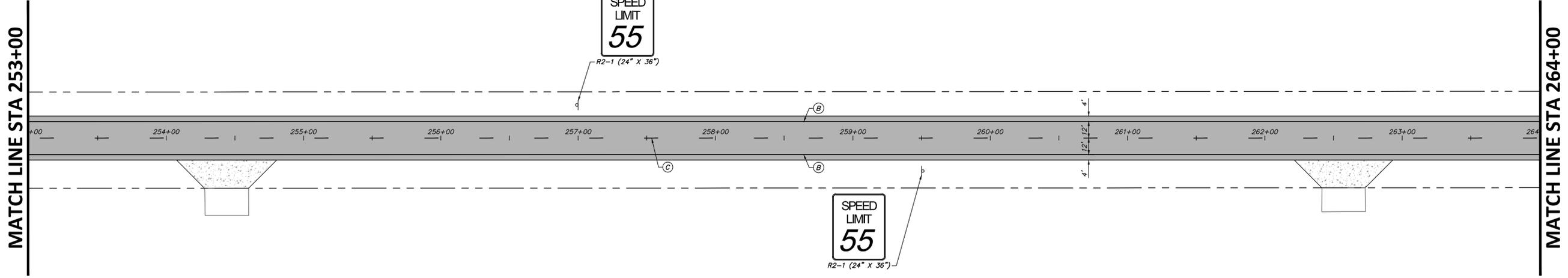
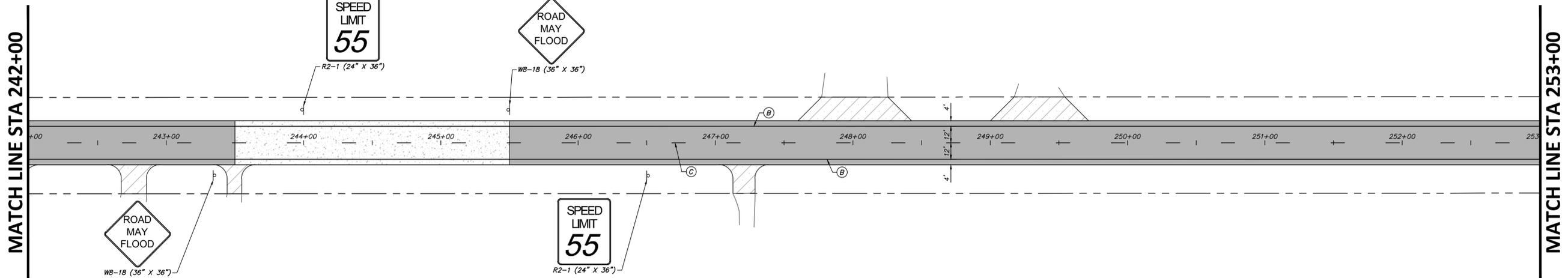
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SOUTH COUNTY ROAD 1050



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NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE
RVG	DRAWN		HORIZ 1"=40'
JAS	CHECKED		VERT N/A
			DATE JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2		DA PROJECT B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS		SHEET
SCR 1050 SIGNAGE AND PAVEMENT MARKINGS STA 242+00 TO 264+00		68

FULL PATH: G:\Production\4000\006796\001\001\Drawings\pavement\scr1050\scr1050\pavement\markings.dwg
 FILENAME: SCR1050 & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Alton Adams
 PLOTTED DATE: 1/17/23 10:52 AM



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BENCHMARK 801208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

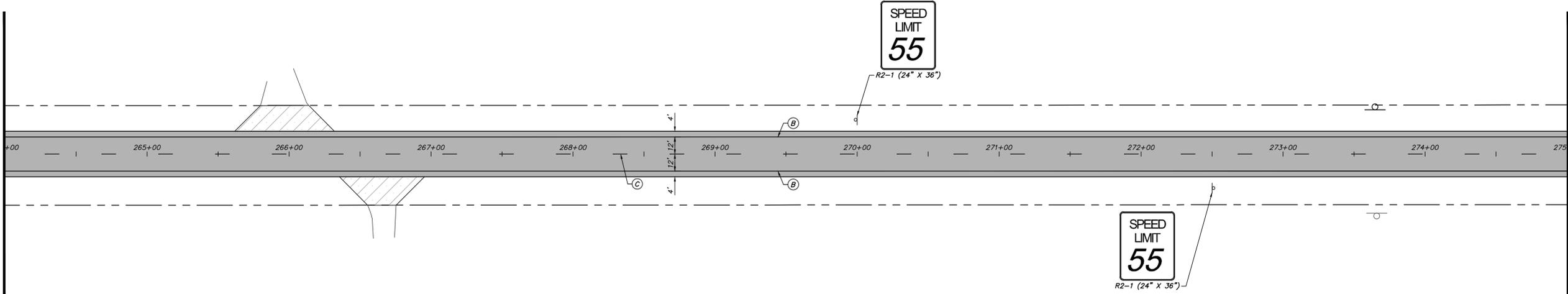
BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

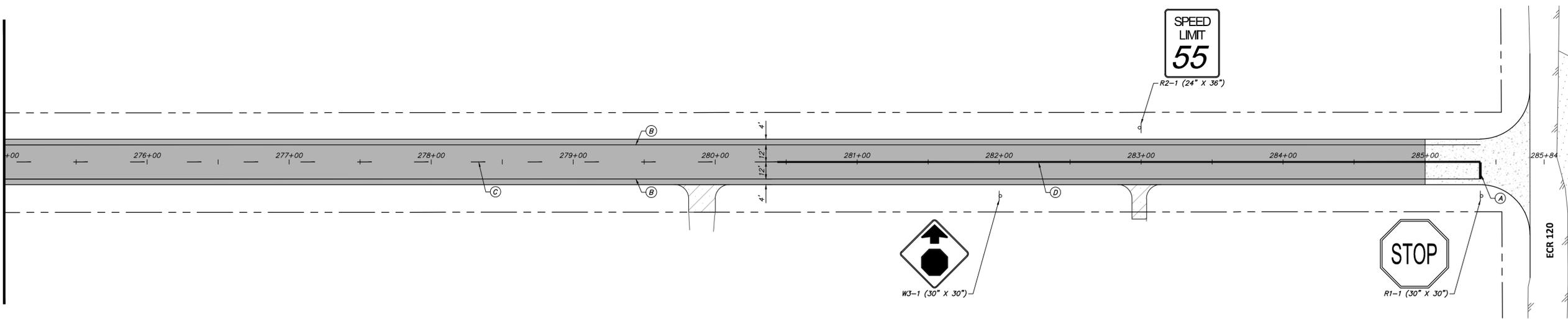
SOUTH COUNTY ROAD 1050

MATCH LINE STA 264+00

MATCH LINE STA 275+00



MATCH LINE STA 275+00



NOTES:

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- INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1"=40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
MIDLAND COUNTY, TEXAS
**SCR 1050 SIGNAGE AND PAVEMENT MARKINGS
STA 264+00 TO END**

DA PROJECT
B006796.001
SHEET
69

FULL PATH: G:\Production\4000\006796\02\Drawings\pavement\scr1050\scr1050.dwg PLOTTED BY: Alton Adams 1/17/23 PLOTTED AT: 3:08:28 PM



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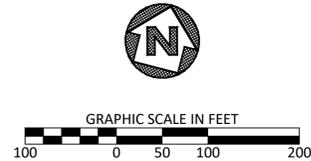
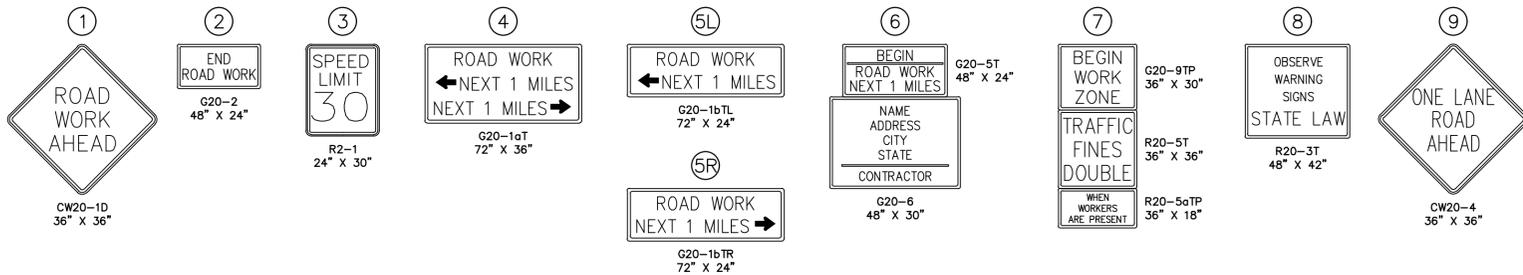
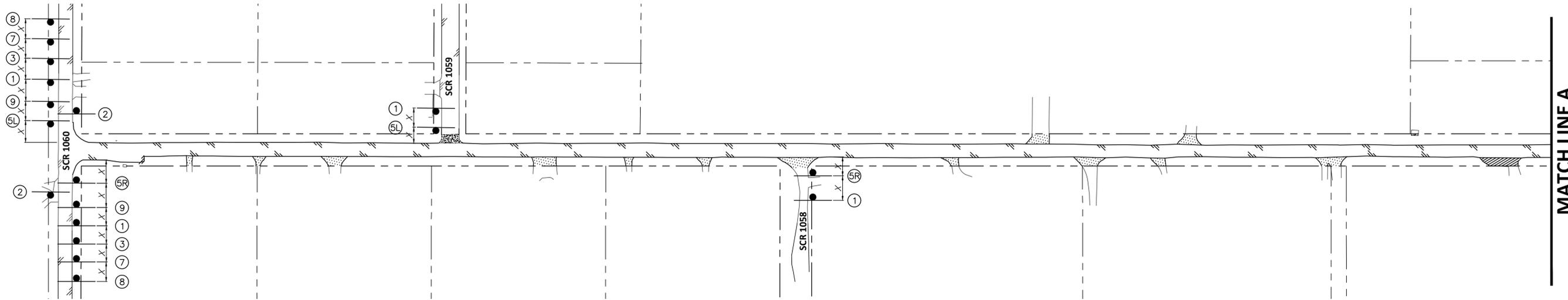
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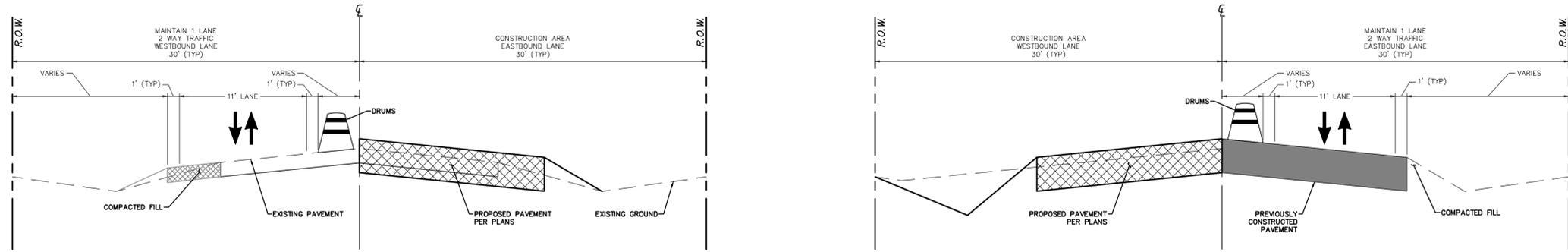
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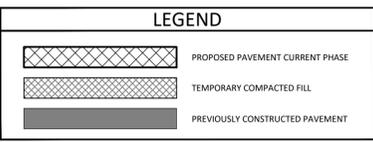
EAST COUNTY ROAD 110



- GENERAL TRAFFIC CONTROL NOTES:**
1. THE ADVANCE WARNING SIGNS SHALL BE LOCATED IN ADVANCE OF THE PHASING TRAFFIC CONTROL SEQUENCING FOR THE ABOVE LOCATIONS.
 2. THE ADVANCE WARNING SIGNS SHALL REMAIN IN PLACE FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.
 3. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEAR ZONE (MEASURED FROM THE EDGE OF THE ADJACENT TRAFFIC LANE) DURING NON-WORK HOURS.
 4. "X" REFER TO BC(2)-21 FOR SPACING.
 5. WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TxDOT STANDARDS TCP(2-3)-18. BOTH LANES OF TRAFFIC WILL REMAIN OPEN DURING CONSTRUCTION.



- SUGGESTED SEQUENCE OF WORK**
- TCP PHASE 1 TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANES TO WESTBOUND SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON EASTBOUND SIDE. REFER TO TCP(2-8)-18.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- TCP PHASE 2 TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANES TO EASTBOUND SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON WESTBOUND SIDE. REFER TO TCP(2-8)-18.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- CONSTRUCTION:**
1. INSTALL TEMPORARY COMPACTED FILL AS REQUIRED.
 2. REMOVE EXISTING HMA/P AVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON EASTBOUND SIDE.
 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON EASTBOUND SIDE.
 4. INSTALL TEMPORARY SIGNS AND PAVEMENT MARKINGS.
- CONSTRUCTION:**
1. INSTALL TEMPORARY COMPACTED FILL AS REQUIRED.
 2. REMOVE EXISTING HMA/P AVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON WESTBOUND SIDE.
 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON WESTBOUND SIDE.
 4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
 5. COMPLETE CLEAN UP.



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 FILENAME: ECR110-Traffic Control.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 5/24/23 9:58 AM

<table border="1"> <tr><td>NO.</td><td>REVISION</td><td>BY</td><td>DATE</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>				NO.	REVISION	BY	DATE					AJA DESIGNED AJA DRAWN JAS CHECKED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE HORIZ 1" = 100' VERT N/A DATE JANUARY 2023	 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705 Tel: 432.699.4889 (TX REG. F-1114)		MIDLAND COUNTY PRECINCT 2 SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS ECR 110 ADVANCE WARNING SIGNS 1 OF 2	DA PROJECT B006796.001 SHEET 70
NO.	REVISION	BY	DATE															



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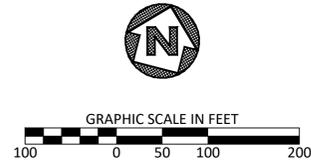
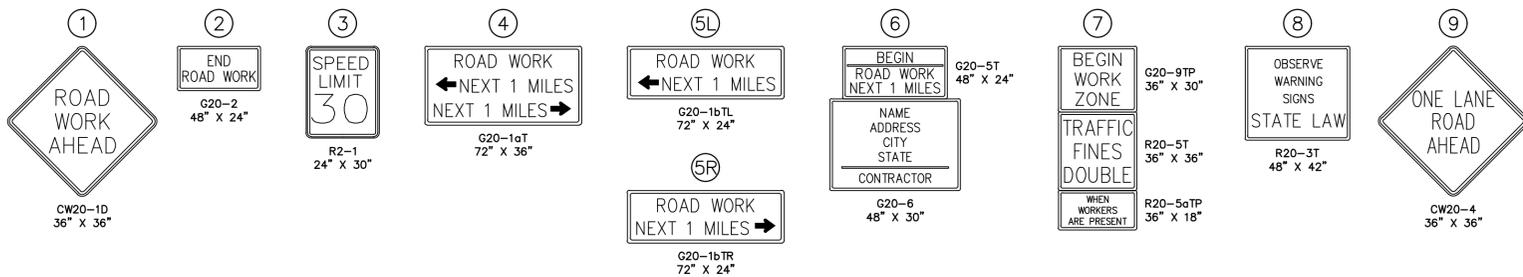
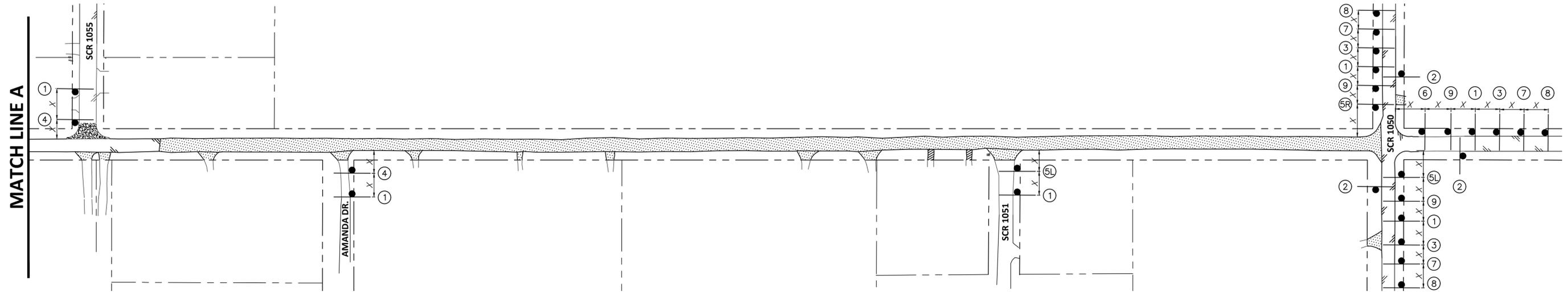
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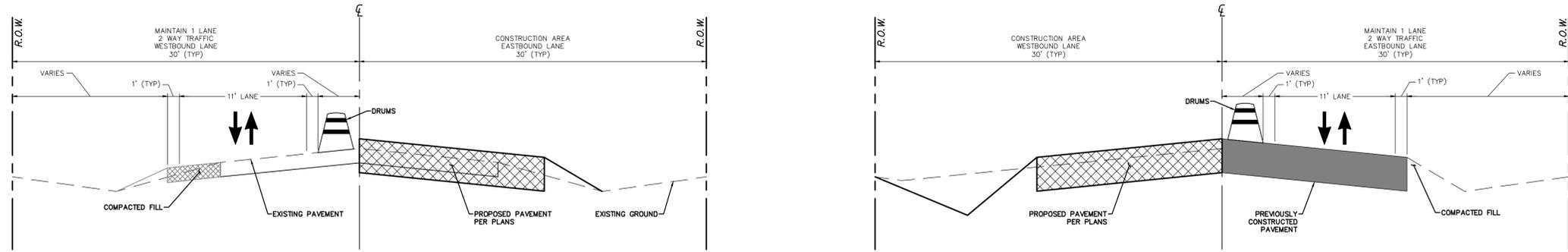
OFF-SITE BENCHMARK INFORMATION:
BENCHMARK 8071208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT.
ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

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

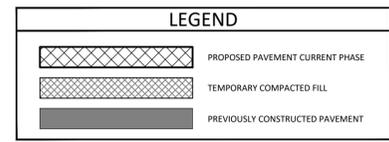
EAST COUNTY ROAD 110



- GENERAL TRAFFIC CONTROL NOTES:**
1. THE ADVANCE WARNING SIGNS SHALL BE LOCATED IN ADVANCE OF THE PHASING TRAFFIC CONTROL SEQUENCING FOR THE ABOVE LOCATIONS.
 2. THE ADVANCE WARNING SIGNS SHALL REMAIN IN PLACE FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.
 3. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEAR ZONE (MEASURED FROM THE EDGE OF THE ADJACENT TRAFFIC LANE) DURING NON-WORK HOURS.
 4. "X" REFER TO BC(2)-21 FOR SPACING.
 5. WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TxDOT STANDARDS TCP(2-3)-18. BOTH LANES OF TRAFFIC WILL REMAIN OPEN DURING CONSTRUCTION.



- SUGGESTED SEQUENCE OF WORK**
- TCP PHASE 1 TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANES TO WESTBOUND SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON EASTBOUND SIDE. REFER TO TCP(2-8)-18.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- TCP PHASE 2 TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANES TO EASTBOUND SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON WESTBOUND SIDE. REFER TO TCP(2-8)-18.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- CONSTRUCTION:**
1. INSTALL TEMPORARY COMPACTED FILL AS REQUIRED.
 2. REMOVE EXISTING HMA/P AVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON EASTBOUND SIDE.
 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON EASTBOUND SIDE.
 4. INSTALL TEMPORARY SIGNS AND PAVEMENT MARKINGS.
- CONSTRUCTION:**
1. INSTALL TEMPORARY COMPACTED FILL AS REQUIRED.
 2. REMOVE EXISTING HMA/P AVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON WESTBOUND SIDE.
 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON WESTBOUND SIDE.
 4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
 5. COMPLETE CLEAN UP.



FULL PATH: G:\Production\4000\006796\02\Drawings\Plan\Traffic Control\Traffic Control.dwg
 FILENAME: 021115 TRAFFIC CONTROL.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 5/24/23 9:54 AM

NO.	REVISION	BY	DATE	CHECKED

AJA	DESIGNED	
AJA	DRAWN	
JAS	CHECKED	

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 100'
VERT
N/A
DATE
JANUARY
2023

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



MIDLAND COUNTY PRECINCT 2		DA PROJECT B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS		SHEET
ECR 110 ADVANCE WARNING SIGNS 2 OF 2		71



WARNING TO CONTRACTOR:

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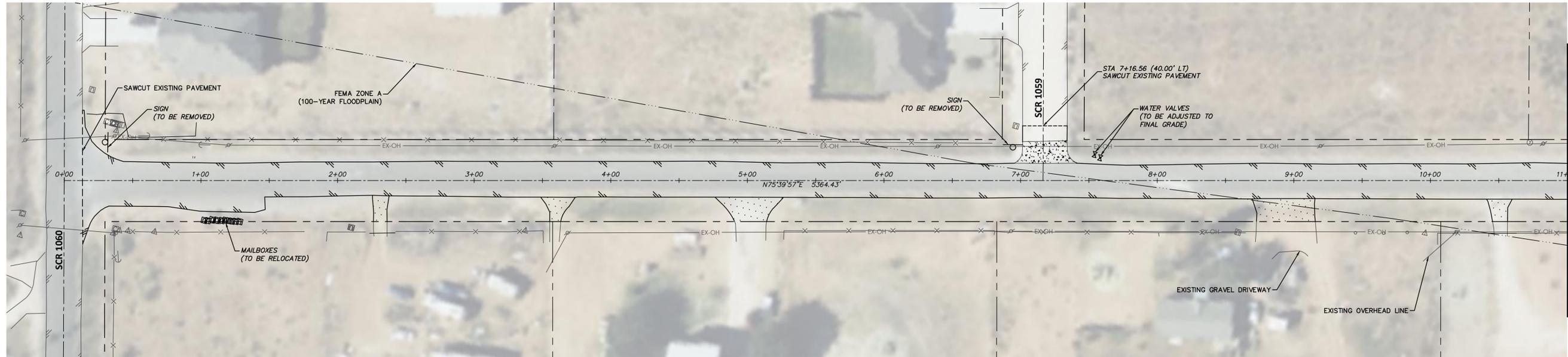
OFF-SITE BENCHMARK INFORMATION:

BENCHMARK 8071208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

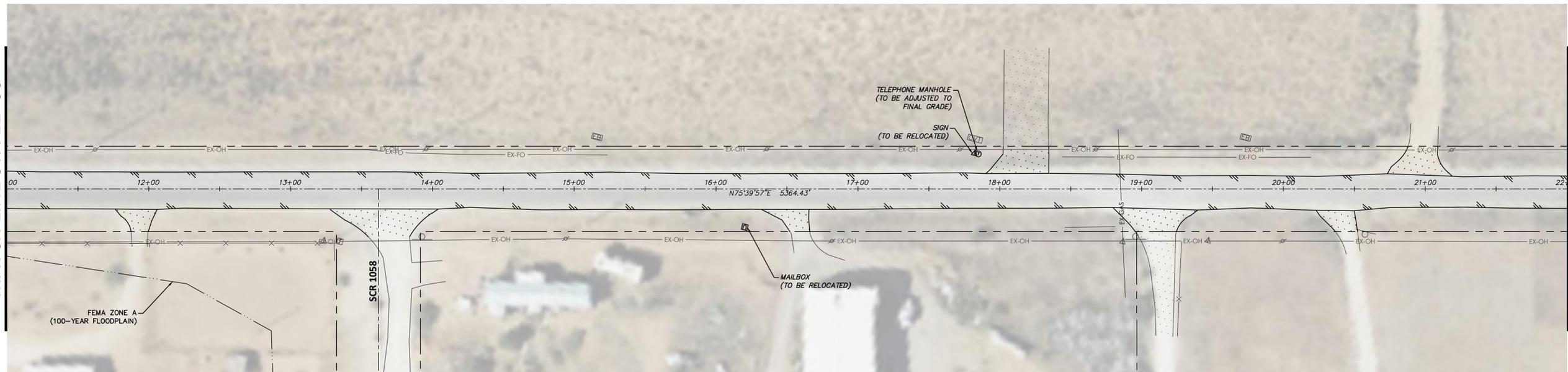
BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

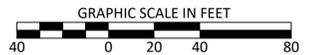
EAST COUNTY ROAD 110



MATCH LINE STA 11+00



MATCH LINE STA 22+00



FULL PATH: G:\Production\8006796\006796\001\CD\Drawings\plan sheets\CR 110 - OVERALL ROADWAY STATIONING.dwg

FILENAME: CR 110 - OVERALL ROADWAY STATIONING.dwg
PLOTTER: HP DesignJet 5000
PLOT DATE: 1/17/23

NO.	REVISION	BY	DATE	CHECKED

DESIGNED	AJA
DRAWN	AJA
CHECKED	JAS

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	72
ECR 110 OVERALL ROADWAY STATIONING STA 0+00 TO 22+00		



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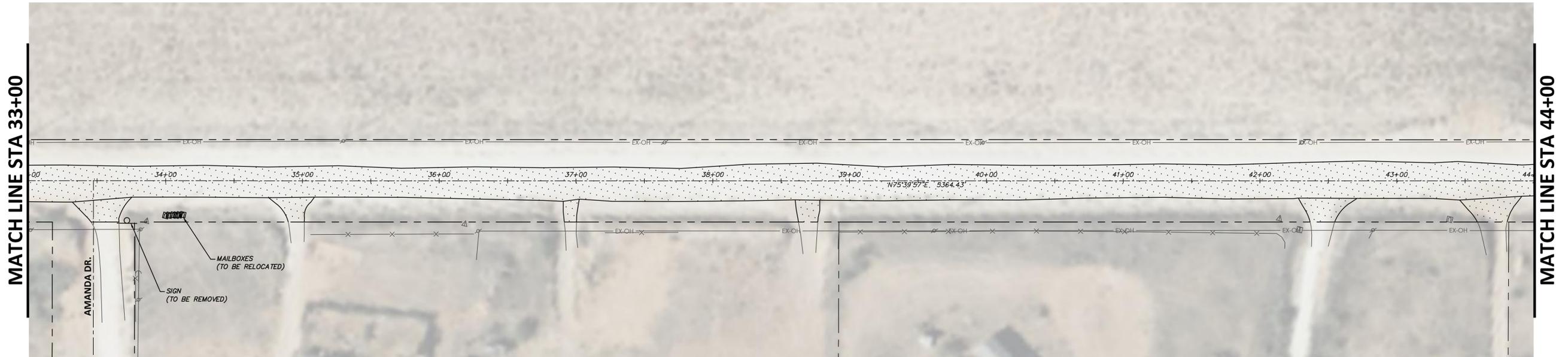
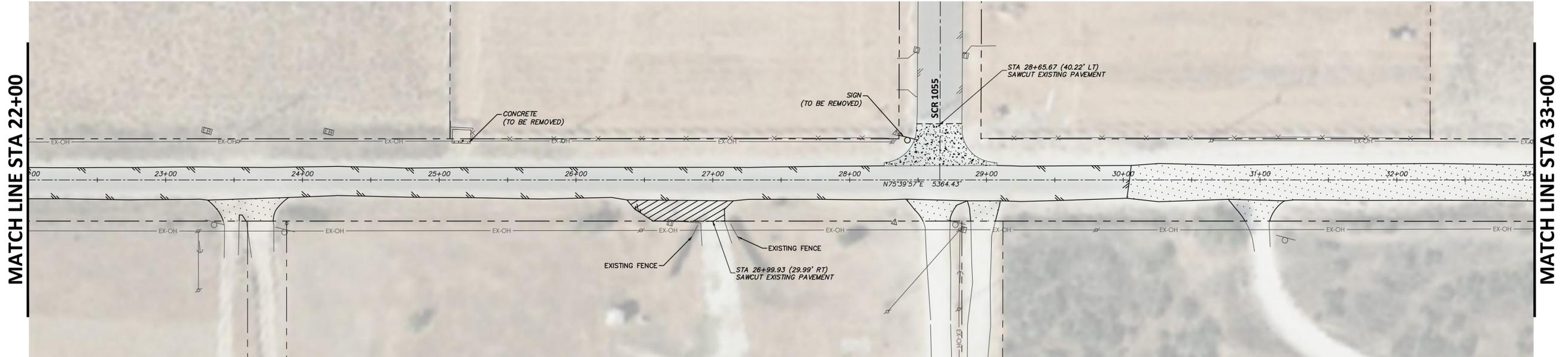
OFF-SITE BENCHMARK INFORMATION:

BENCHMARK 801208: A 2 INCH BRASS CAP STAMPED 80-1208, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF INTERSTATE HIGHWAY 20 AND FM 1208 (COUNTY ROAD 1090) AT THE TOP OF AN EMBANKMENT. ADJUSTED ELEVATION: 2766.95' NAVD88 DATUM (PUBLISHED ELEVATION: 2765.73' NGVD29)

BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

EAST COUNTY ROAD 110



FULL PATH: G:\Production\4000\006796\006796\001\CD\Drawings\Plan\Sheet\CR 110 - Overall Roadway Stationing.dwg
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 PLOTTED BY: Allison Adams
 PLOTTED DATE: 1/15/2023

NO.	REVISION	BY	DATE	CHECKED

AJA	DESIGNED
AJA	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2
 SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
 MIDLAND COUNTY, TEXAS
**ECR 110 OVERALL ROADWAY STATIONING
 STA 22+00 TO 44+00**

DA PROJECT
B006796.001
 SHEET
73



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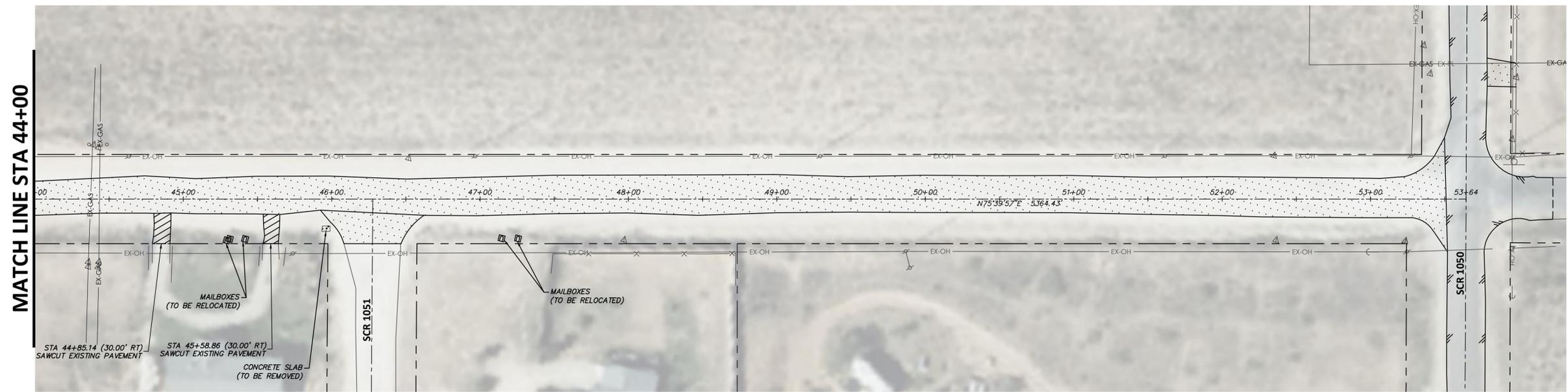
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EAST COUNTY ROAD 110



FULL PATH: G:\Production\4000\006796\006796\001\CD\Drawings\Plan\Sheet\CR 110 - Overall Roadway Stationing.dwg
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 PLOTTED BY: Alissa Adams
 PLOTTED DATE: 1/17/23

NO.	REVISION	BY	DATE

DESIGNED	AJA
DRAWN	AJA
CHECKED	JAS

**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JANUARY 2023

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	74
ECR 110 OVERALL ROADWAY STATIONING STA 44+00 TO END		



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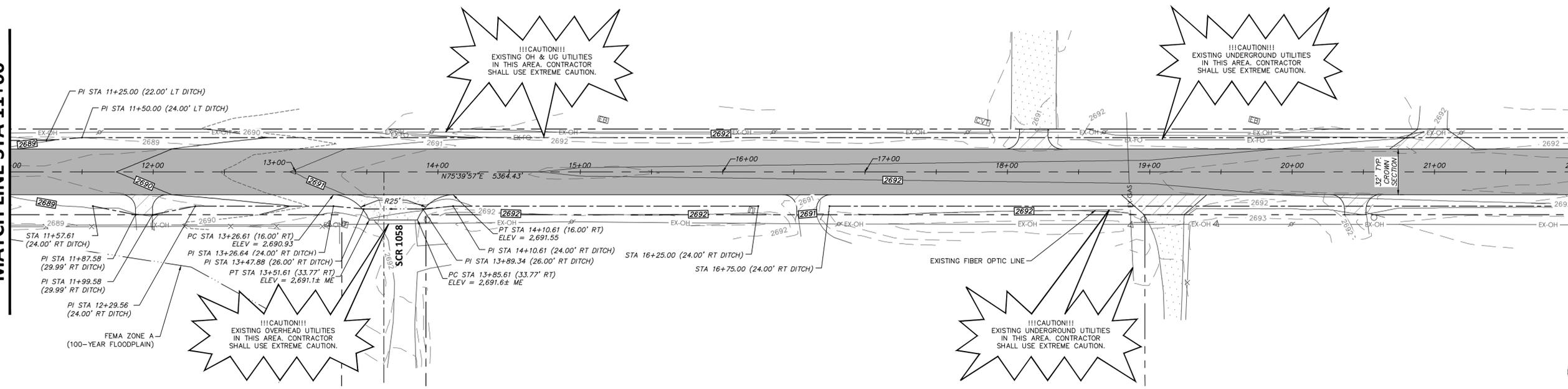
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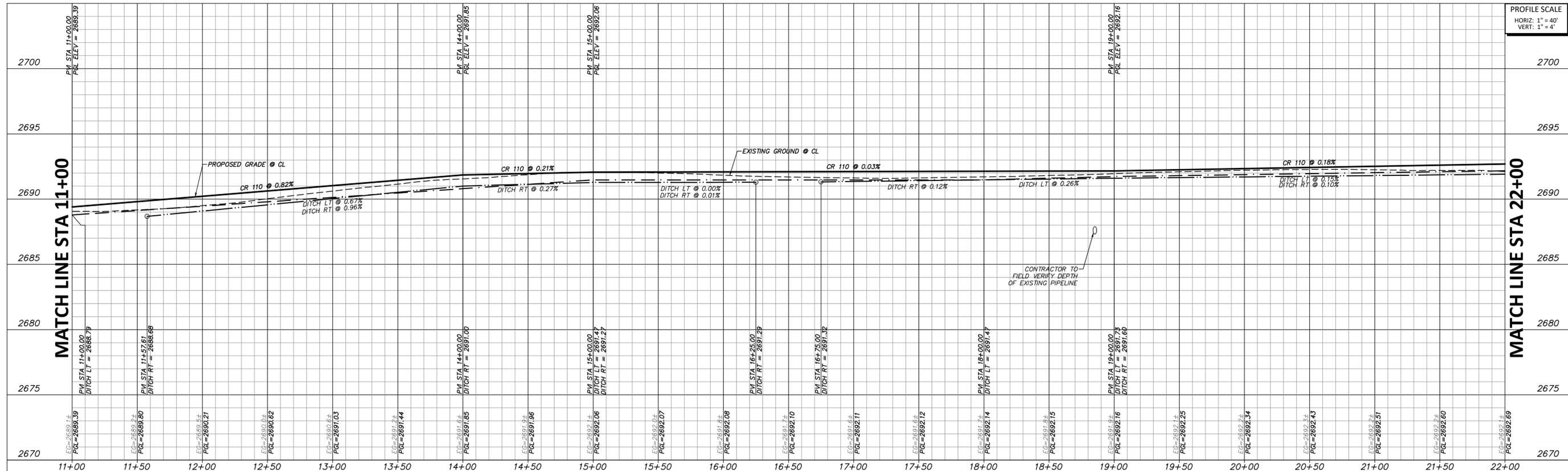
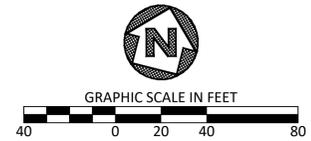
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 11+00

MATCH LINE STA 22+00



EAST COUNTY ROAD 110



FILE NAME: C:\110_110_Plan_Profile.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 1/15/2023

NO.	REVISION	BY	DATE	CHECKED

AJA
 DESIGNED
 AJA
 DRAWN
 JAS
 CHECKED

**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE
 HORIZ
 1" = 40'
 VERT
 1" = 4'
 DATE
 JANUARY
 2023



MIDLAND COUNTY PRECINCT 2
 SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110
 MIDLAND COUNTY, TEXAS
**ECR 110 PLAN AND PROFILE
 STA 11+00 TO 22+00**

DA PROJECT
 B006796.001
 SHEET
76



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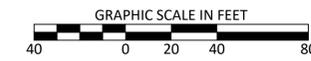
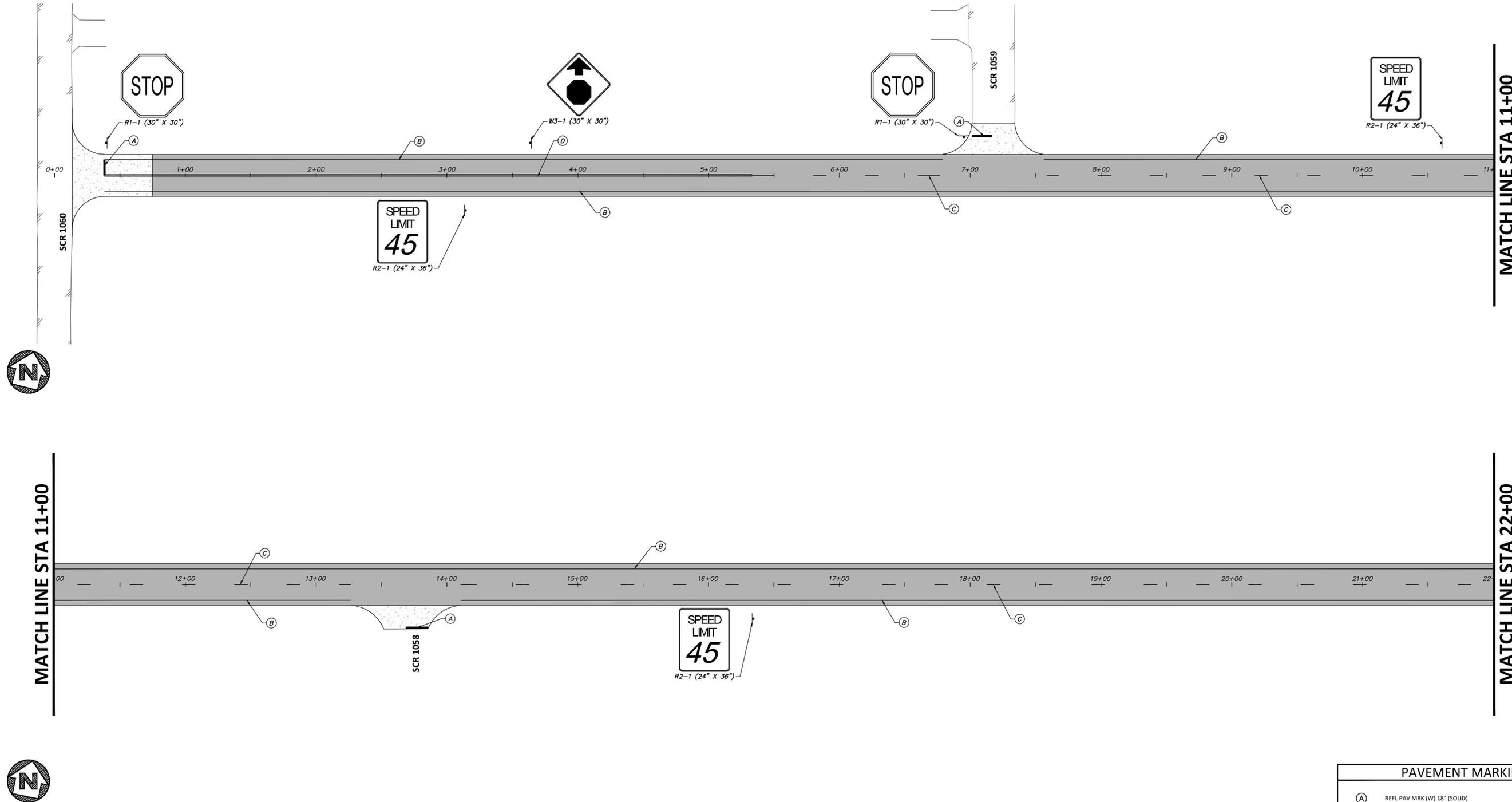
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BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

EAST COUNTY ROAD 110



NOTES:

1. INSTALL PAVEMENT MARKINGS AND SIGNAGE PER TEXAS MUTCD AND TxDOT STANDARDS AND DETAILS.
2. PAVEMENT MARKINGS TO FOLLOW ROADWAY ALIGNMENT STATIONING.
3. PAVEMENT MARKING DIMENSIONS MEASURED FROM CENTER OF STRIPING.

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)
- INSTALL ROADSIDE SIGN

NO.	REVISION	BY	DATE	CHECKED

DESIGNED	AJA
DRAWN	AJA
CHECKED	JAS

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JANUARY 2023

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006796.001
SOUTH COUNTY ROAD 1050 AND EAST COUNTY ROAD 110 MIDLAND COUNTY, TEXAS	SHEET	80
ECR 110 SIGNAGE AND PAVEMENT MARKINGS STA 0+00 TO 22+00		

FULL PATH: G:\Production\4000\006796\001\Drawings\Plan\Sheet\ECR110_SIGNAGE & PAVEMENT MARKINGS.dwg
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