



WARNING TO CONTRACTOR:
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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.

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.
- D&S ENGINEERING LABS, LLC (D&S) HAS MADE AN INVESTIGATION OF SUBSURFACE SOIL CONDITIONS OF THE PROJECT SITE IN THEIR REPORT PROJECT NO. G19-2108-10, DATED NOVEMBER 20, 2019, AND IS REFERENCED IN THE CONSTRUCTION DOCUMENTS AS "GEO TECHNICAL 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 THE 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-105: A 5/8 INCH IRON ROD WITH RED CAP LOCATED AT THE INTERSECTION OF STATE HIGHWAY 158, FM 1213, AND EAST COUNTY ROAD 120, BEING 75 FEET EAST OF THE CENTERLINE OF FM 1213, AND APPROXIMATELY 120 FEET SOUTH OF THE CENTERLINE OF STATE HIGHWAY 158, BEING LOCATABLE BY NAD83 GRID COORDINATES N:10,685,034.26'; E:1,778,783.66'. HAVING AN ELEVATION OF 2737.03'.
- CP-106: A 5/8 INCH IRON ROD WITH RED CAP LOCATED 36 FEET NORTH OF THE CENTERLINE OF EAST COUNTY ROAD 120, APPROXIMATELY 0.8 MILES WEST OF ITS INTERSECTION WITH FM 1213, BEING LOCATABLE BY NAD83 GRID COORDINATES N:10,683,995.02'; E:1,774,399.36'. HAVING AN ELEVATION OF 2753.68'

OFF-SITE BENCHMARKS:

NGS BENCHMARK T1189, A BRASS DISK SET IN CONCRETE STAMPED "T 1189 1967", LOCATED 38 FEET NORTH OF THE CENTERLINE OF WEST COUNTY ROAD 180 AND 150 FEET WEST OF THE CENTERLINE OF STATE HIGHWAY 349. NAD83 GRID COORDINATES: N:10,648,880.14' E:1,765,914.09' NAVD88 ELEVATION = 2765.53'

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 DRIVEWAY ASPHALT 3 INCHES HMA/C OVER 8 INCHES FLEXIBLE BASE
	PROPOSED CONCRETE
	PROPOSED DRIVEWAYS 8 INCHES FLEXIBLE BASE
	CONTROL POINT
	EASTING
	NORTHING
	ELEVATION
	CENTERLINE
	LEFT
	RIGHT
	POINT OF CURVATURE
	POINT OF CONTINUOUS CURVATURE
	POINT OF INTERSECTION
	POINT OF REVERSE CURVATURE
	POINT OF TANGENCY
	RADIUS
	EXISTING GRADE
	FLOWLINE
	MATCH EXISTING
	PROPOSED GRADE LINE
	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 FENCE POST
	EXISTING MAILBOX
	EXISTING TREE
	EXISTING CABLE BOX
	EXISTING PEDESTAL CABLE
	EXISTING ELECTRIC BOX
	EXISTING PEDESTAL ELECTRIC
	EXISTING LIGHT POLE
	EXISTING GAS MANHOLE
	EXISTING GAS VALVE
	EXISTING GAS METER
	EXISTING GAS TEST STATION
	EXISTING PEDESTAL GAS
	EXISTING IRRIGATION VALVE
	EXISTING GUY WIRE
	EXISTING UTILITY POLE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING CLEANOUT
	EXISTING STORM DRAIN MANHOLE
	EXISTING FIBER OPTIC VAULT
	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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 PLOTTED BY: ARIAN ALVARO
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED
		JLB		DESIGNED
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**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ N/A
VERT N/A
DATE
JUNE 2022

DUNAWAY

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

 Tel: 432.699.4889

 [TX REG. F-1114]

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

GENERAL NOTES

DA PROJECT
 B005664.001

SHEET
1



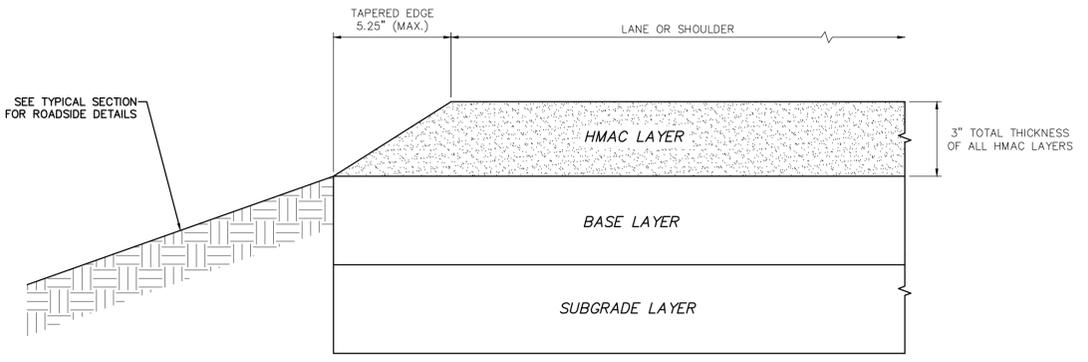
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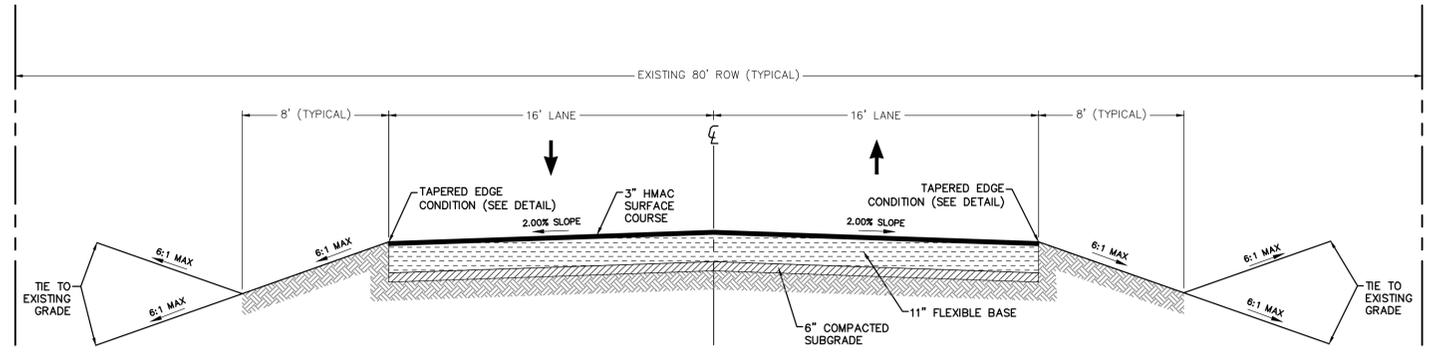
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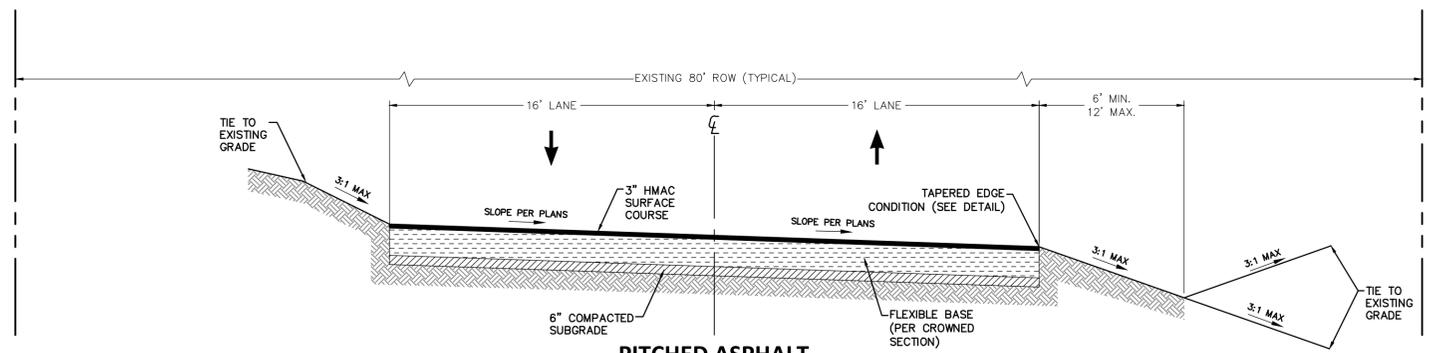
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



**TAPERED EDGE CONDITION
HMAC PAVEMENT**
NOT TO SCALE



**CROWN ASPHALT
PAVEMENT TYPICAL SECTION**
NOT TO SCALE



**PITCHED ASPHALT
PAVEMENT TYPICAL SECTION**
NOT TO SCALE

- NOTES:**
- NATIVE SOILS AND IMPORTED FILL MAY BE USED TO LEVEL THE PROJECT. GENERAL FILL SHALL POSSESS A PLASTICITY INDEX, PI, OF NO MORE THAN 30 AND SHALL HAVE NO LESS THAN 35% PASSING A NO. 200 MESH SIEVE. ALL GENERAL FILL SHALL BE PLACED IN 6-INCH MAXIMUM LIFTS AND SHALL BE COMPACTED TO AT LEAST 95% OF ASTM D698 (STANDARD PROCTOR) WITH MOISTURE CONTENT $\pm 2\%$ OF OPTIMUM. TESTING FREQUENCY OF ONE TEST PER 300 LINEAR FEET OF ROADWAY PER LIFT.
 - SUBGRADE SOILS BENEATH PAVEMENTS SHALL BE COMPACTED THEN PROOF-ROLL TESTED WITH A FULLY LOADED WATER TRUCK OR LOADED DUMP TRUCK. THE PROOF-ROLL TEST IS CONSIDERED PASSING IF SOIL DEFLECTIONS ARE LESS THAN 1/2-INCH WHEN TESTED USING A LOADED DUMP TRUCK (OR SIMILAR). WHEN USING THE PROOF-ROLLED METHOD 100% COVERAGE OVER THE ROADWAY WITH A MINIMUM OF 2 PASSES PER AREA IS RECOMMENDED. ALTERNATIVELY, SUBGRADE VERIFICATION MAY BE PERFORMED USING A NUCLEAR DENSITY GAUGE, WHERE SUBGRADE DENSITY SHALL BE GREATER THAN 95% OF ASTM D698 (STANDARD PROCTOR) WITH MOISTURE CONTENT $\pm 2\%$ OF OPTIMUM. WHEN USING THE NUCLEAR DENSITY METHOD, TESTING FREQUENCY OF ONE TEST PER 300 LINEAR FEET OF ROADWAY PER LIFT.
 - PROPOSED FLEXIBLE BASE MATERIAL SHALL BE CRUSHED ROCK CONFORMING TO TXDOT STANDARD SPECIFICATION ITEM NO. 247, GRADE 1-2 OR BETTER. THE FLEXIBLE BASE MATERIAL SHALL BE INSTALLED IN FOUR TO SIX (4"-6") INCH COMPACTED LIFTS. ADDITIONALLY THE FLEXIBLE BASE MATERIAL IN EACH LIFT SHALL BE COMPACTED TO A MINIMUM OF 98 PERCENT OF THE MATERIAL'S DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR) WITH MINIMUM MOISTURE CONTENT OF $\pm 4\%$. ONE TEST SHALL BE PERFORMED EVERY 300 LINEAR FEET OF ROADWAY, APPROXIMATELY ONE TEST EVERY 10,000-12,000 SQUARE FEET OF AREA PER LIFT.
 - PRIME COAT SHALL BE PER TXDOT ITEM 310 SPECIFICATIONS.
 - PROPOSED ASPHALT IS A TYPE D HMAC THAT SHALL MEET TXDOT ITEM 340 SPECIFICATIONS.
 - THESE NOTES AS SHOWN ABOVE ARE PER THE GEOTECHNICAL ASSESSMENT PREPARED BY D&S, WHICH SHALL BE REFERENCED FOR ADDITIONAL INFORMATION AND SPECIFICATIONS. ANY SUBSEQUENT REVISIONS TO THIS ASSESSMENT SHALL GOVERN.
 - THE PROPOSED FINISHED GRADE OF ROADWAY IN LOW WATER CROSSING AREAS SHALL MATCH THE EXISTING TOP OF PAVEMENT OR CALICHE UNLESS SPECIFIED OTHERWISE ON THE CORRESPONDING PLAN & PROFILE SHEETS.
 - THE TAPERED EDGE CONDITION AT THE EDGE OF PAVEMENT SHALL BE AS SHOWN IN THE TAPERED EDGE CONDITION HMAC PAVEMENT DETAIL. THE SLOPE OF THE TAPERED EDGE SHALL BE 1.75H:1V, WHICH IS 5.25" FOR 3" OF HMAC PAVEMENT. THIS TAPERED EDGE CONDITION SHALL APPLY AT ALL LOCATIONS FOR ALL TYPICAL SECTIONS.

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 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED
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**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	N/A
VERT	N/A
DATE	JUNE 2022

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
 06/13/2022

MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS
TYPICAL ASPHALT SECTIONS

DA PROJECT B005664.001	SHEET 2
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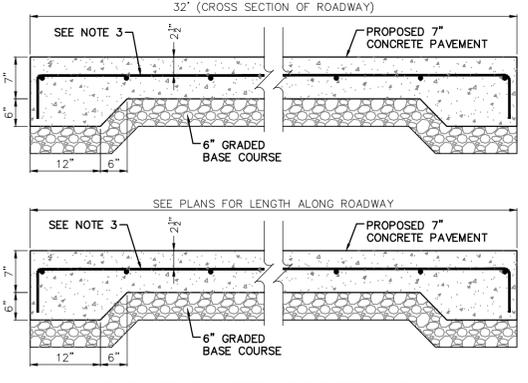
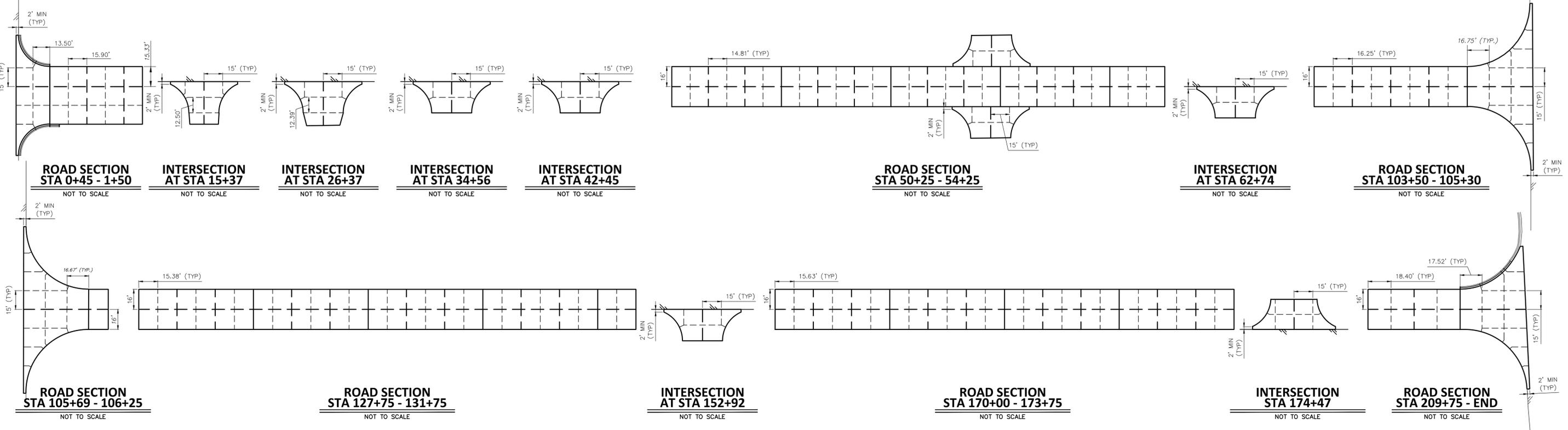
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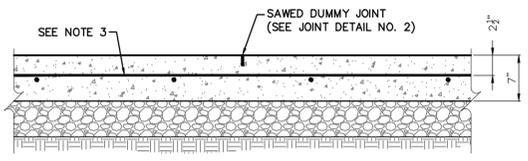
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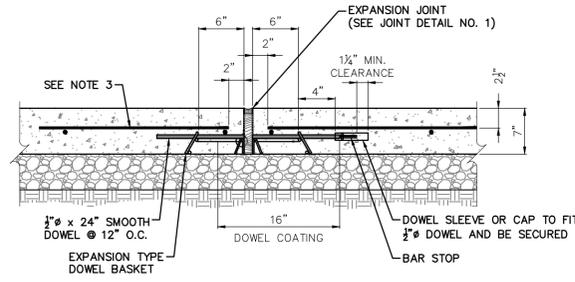
BENCHMARK:
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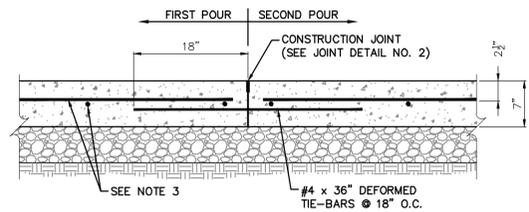
CROSS SLOPE OF CONCRETE PAVEMENT SECTIONS PER PLANS
CONCRETE PAVEMENT TYPICAL SECTION
NOT TO SCALE



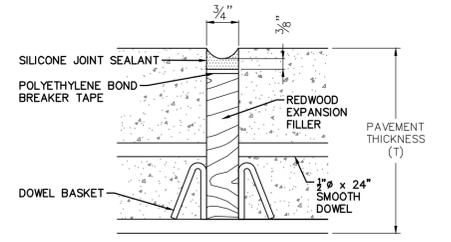
SAWED DUMMY JOINT
NOT TO SCALE



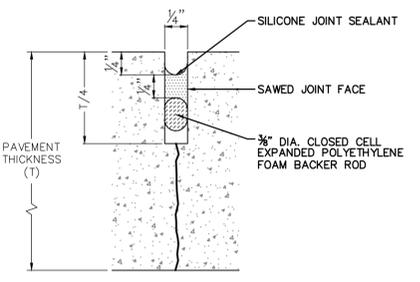
EXPANSION JOINT
NOT TO SCALE



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 SPLICES, 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 14' TO 17.5' 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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 PLOTTED BY: Allison Arkins
 PLOTTED DATE: 06/13/2022

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

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ N/A
VERT N/A
DATE JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

TYPICAL CONCRETE SECTIONS

DA PROJECT B005664.001
SHEET 3



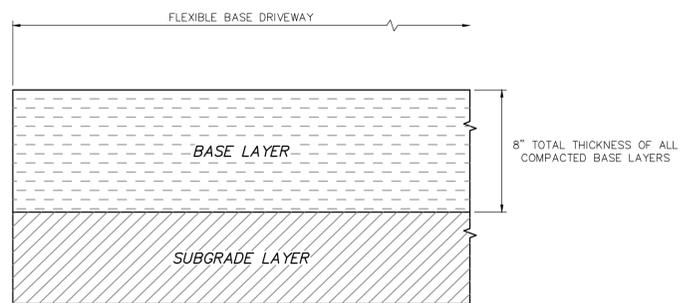
WARNING TO CONTRACTOR:
CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. DUNAWAY ASSOC., L.P. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

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.

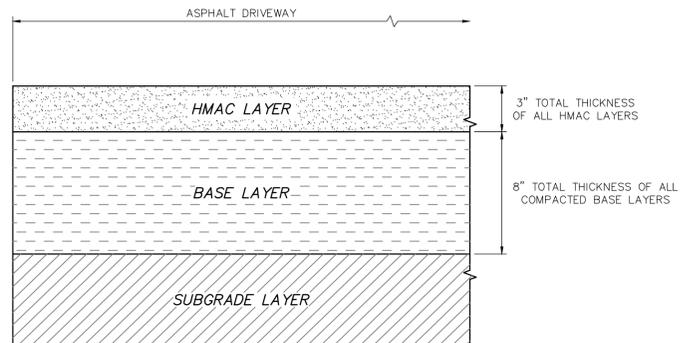
UTILITY RELOCATION NOTE:
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

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.

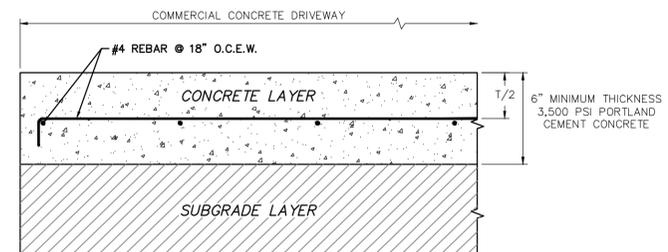
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



TYPICAL FLEXIBLE BASE DRIVEWAY SECTION
NOT TO SCALE



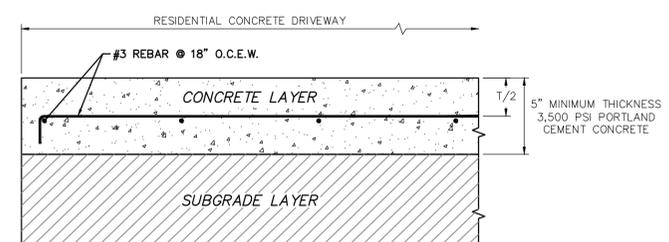
TYPICAL ASPHALT DRIVEWAY SECTION
NOT TO SCALE



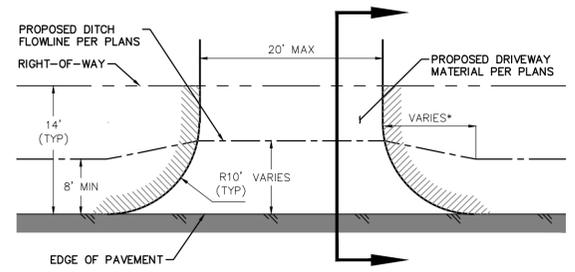
COMMERCIAL

TYPICAL CONCRETE DRIVEWAY SECTIONS
NOT TO SCALE

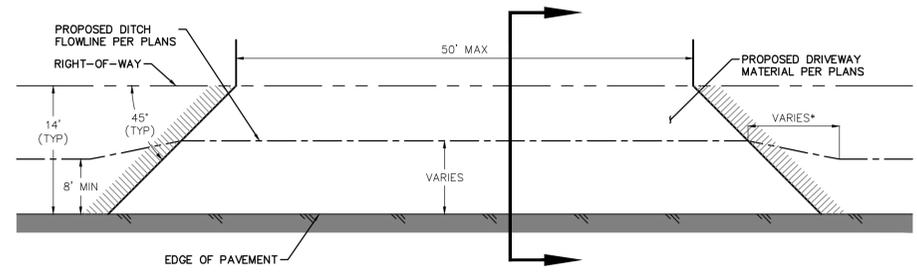
NOTE:
CONTRACTOR TO FOLLOW TYPICAL CONCRETE SECTIONS SHEET FOR JOINTING DETAILS AND NOTES.



RESIDENTIAL



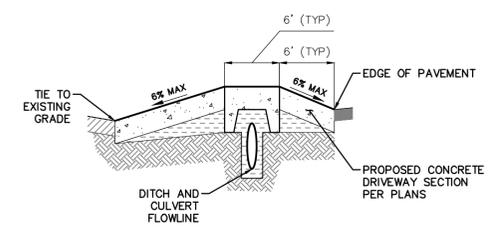
RESIDENTIAL PLAN VIEW



COMMERCIAL PLAN VIEW

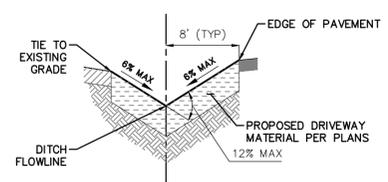
VARIES* - LENGTH TO PROVIDE A SMOOTH TRANSITION IN DITCH CENTERLINE. TYPICAL LENGTH OF 5' FOR EVERY 1' OF HORIZONTAL ADJUSTMENT (5:1).

TYPICAL DRIVEWAYS
NOT TO SCALE



CULVERT DRIVEWAY SECTION

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



INVERTED FLOWLINE DRIVEWAY SECTION

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

TYPICAL DRIVEWAY CROSS-SECTION
NOT TO SCALE

NO.	REVISION	BY	DATE	CHECKED

JLB	DESIGNED
JLB	DRAWN
JLB	CHECKED

SCALE	HORIZ	N/A
	VERT	N/A
	DATE	JUNE 2022

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[TX REG. F-1114]



MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	DA PROJECT B005664.001
TYPICAL DRIVEWAY SECTIONS	SHEET 4

FILE NAME: TYPICAL SECTIONS For Driveways.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022
 FULL PATH: G:\Production\2022\06062022\001\001\Drawings\Phase Sheets\TYPICAL SECTIONS For Driveways.dwg



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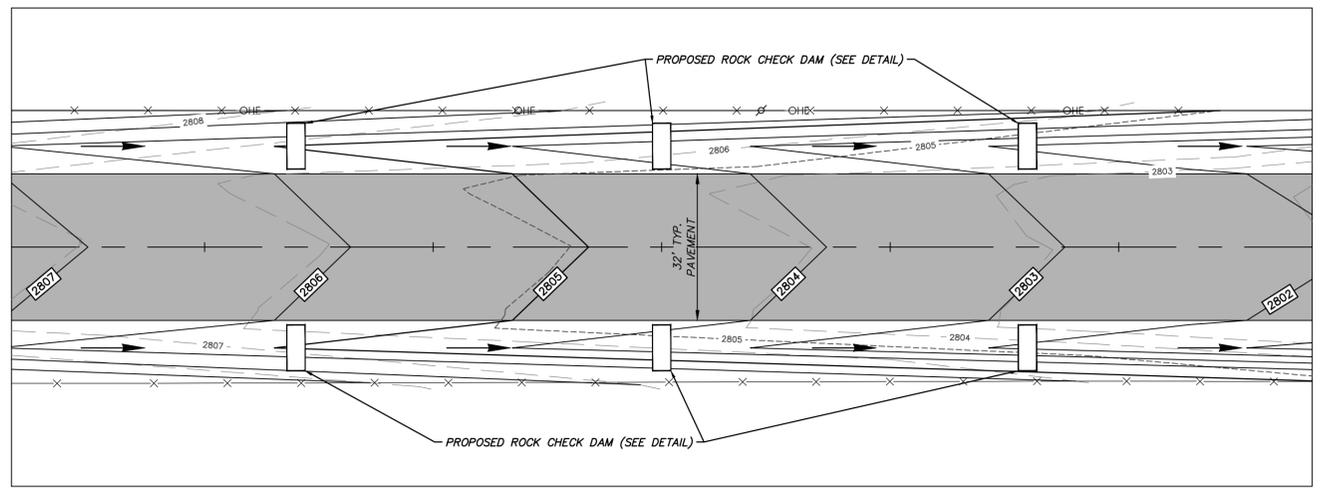
CRITICAL:
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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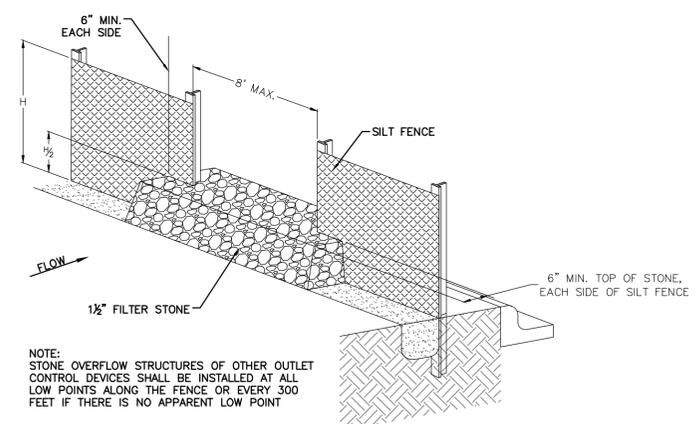
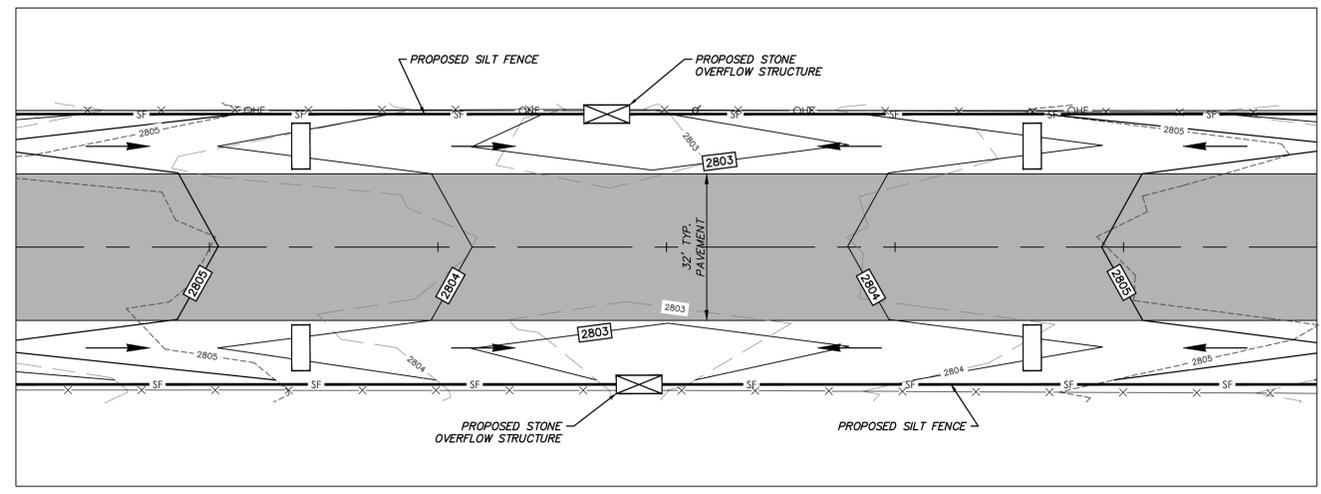
STATE PLANE COORDINATE NOTE:
COORDINATES PROVIDED ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), CENTRAL ZONE 4203; ALL COORDINATES, BEARINGS, AND DISTANCES ARE NAD83 GRID VALUES.

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

TYPICAL EROSION CONTROL PLAN WITH ROADWAY DITCHES

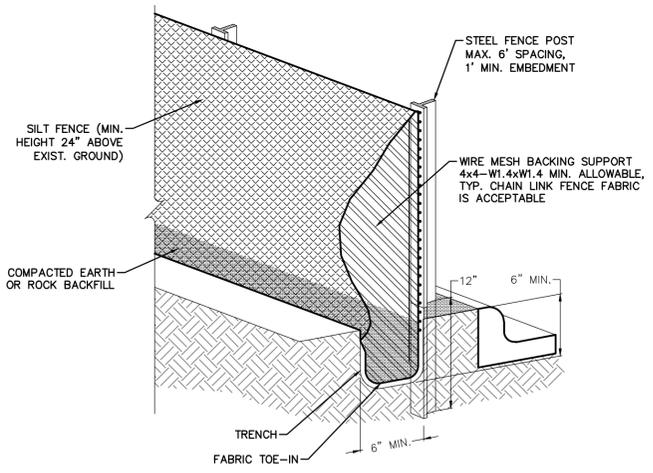


TYPICAL EROSION CONTROL PLAN WITH DRAINAGE EXITING R.O.W.



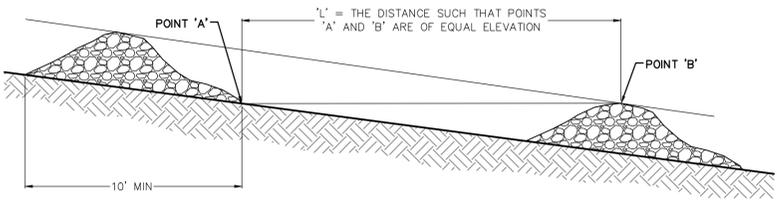
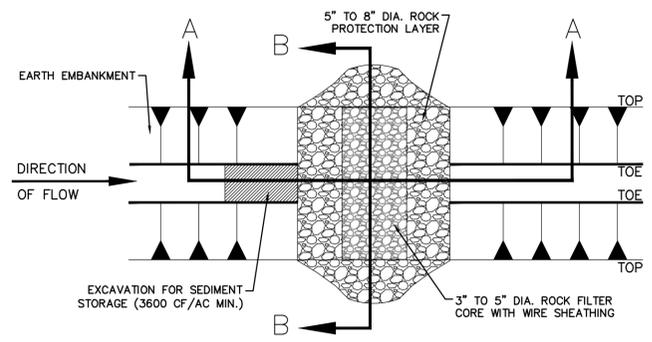
SILT FENCE STONE OVERFLOW STRUCTURE
NOT TO SCALE

- SILT FENCE GENERAL NOTES:**
1. 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.
 2. 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.
 3. 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.
 4. 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.
 5. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
 7. 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.

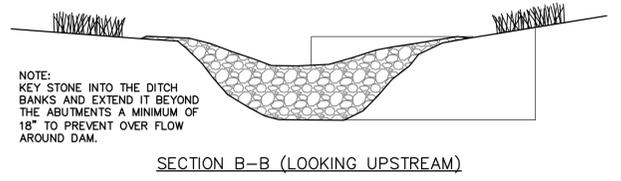


SILT FENCE
NOT TO SCALE

- NOTES:**
1. EROSION CONTROL MEASURES MAY ONLY BE PLACED IN FRONT OF INLETS, IN CHANNELS, DRAINAGEWAYS, OR BORROW DITCHES AT RISK OF CONTRACTOR.
 2. CONTRACTOR SHALL REMAIN LIABLE FOR ANY DAMAGE CAUSED BY THE MEASURES, INCLUDING FLOODING DAMAGE, WHICH MAY OCCUR DUE TO BLOCKED DRAINAGE.
 3. 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)

--- 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 BY: ARIANA ANDRADA
 PLOTTED DATE: 06/13/2022

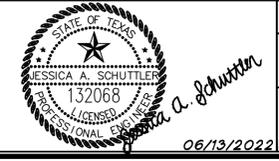
NO.	REVISION	BY	DATE	CHECKED

JLB	DESIGNED
JLB	DRAWN
JLB	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	N/A
	VERT	N/A
	DATE	JUNE 2022

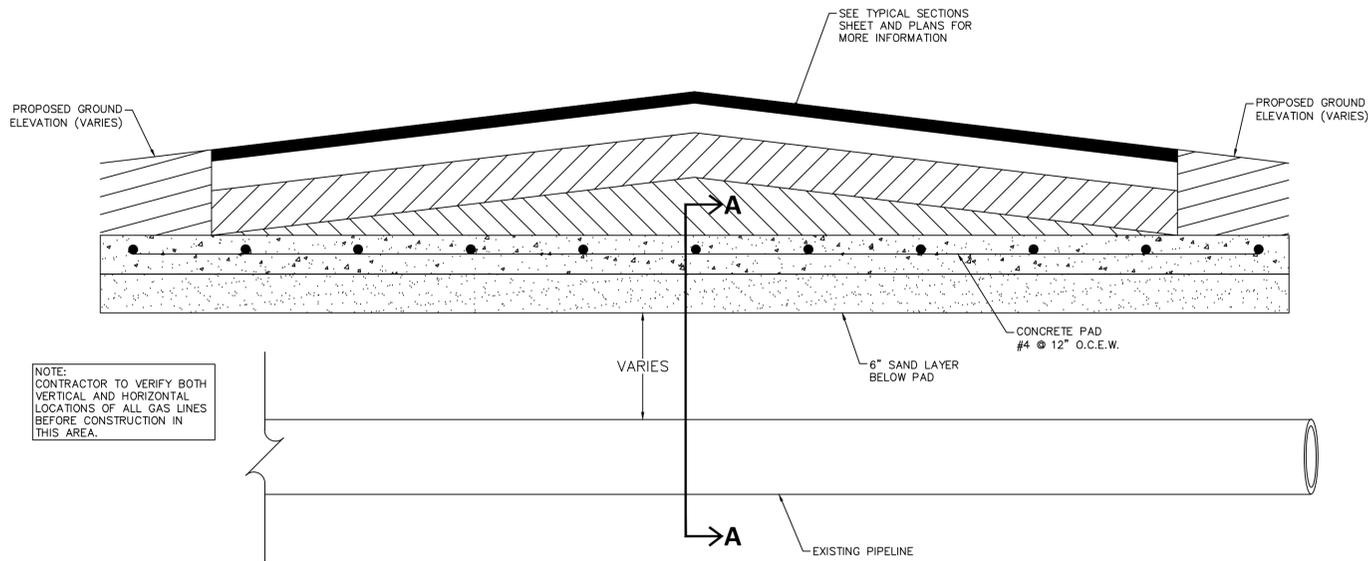
DUNAWAY
 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
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MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS

**TYPICAL EROSION CONTROL
PLAN AND DETAILS**

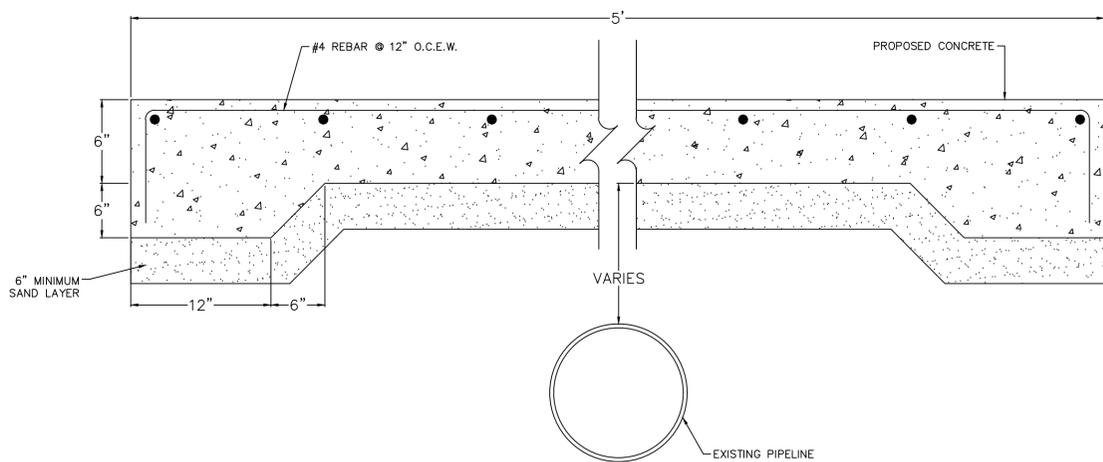
DA PROJECT B005664.001
 SHEET 5



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

NOTES:

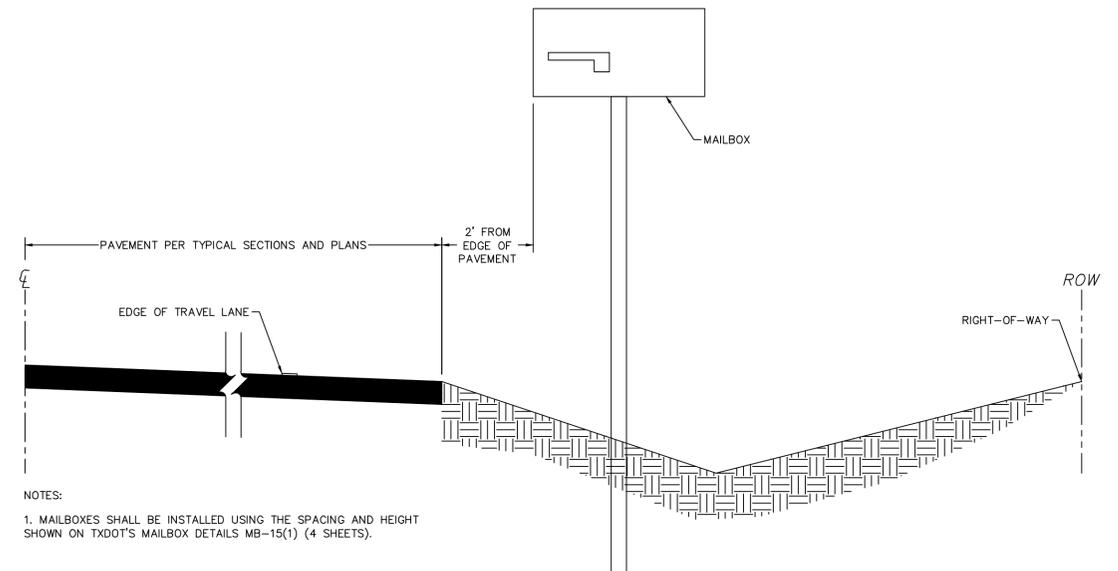
1. CONCRETE SHALL BE CLASS "A" AND SHALL HAVE A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD AND A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3500 P.S.I.
2. MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO TXDOT STANDARD SPECIFICATIONS.
3. REINFORCEMENT SHALL BE #4 BARS AT 12" ON CENTER EACH WAY.
4. CONTRACTOR 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.



SECTION A-A

STANDARD CONCRETE CAP FOR PIPELINE CROSSINGS

NOT TO SCALE



MAILBOX SPACING FROM EDGE OF PAVEMENT

NOT TO SCALE

FULL PATH: G:\Production\4000\0605664\001\CAD\Drawings\Plan Sheets\COUNTY DETAILS.dwg

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PLOTTER: A3000
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NO.	REVISION	BY	DATE

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JLB	DRAWN
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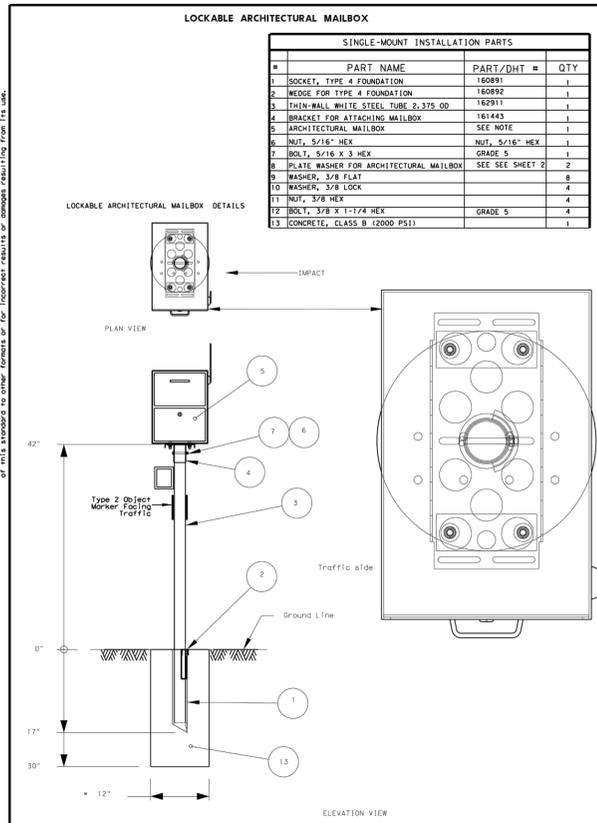
**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	N/A
VERT	N/A
DATE	
JUNE 2022	

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Tel: 432.699.4889
[TX REG. F-1114]



MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	DA PROJECT B005664.001
PIPE ENCASEMENT AND MAILBOX DETAILS	SHEET 6



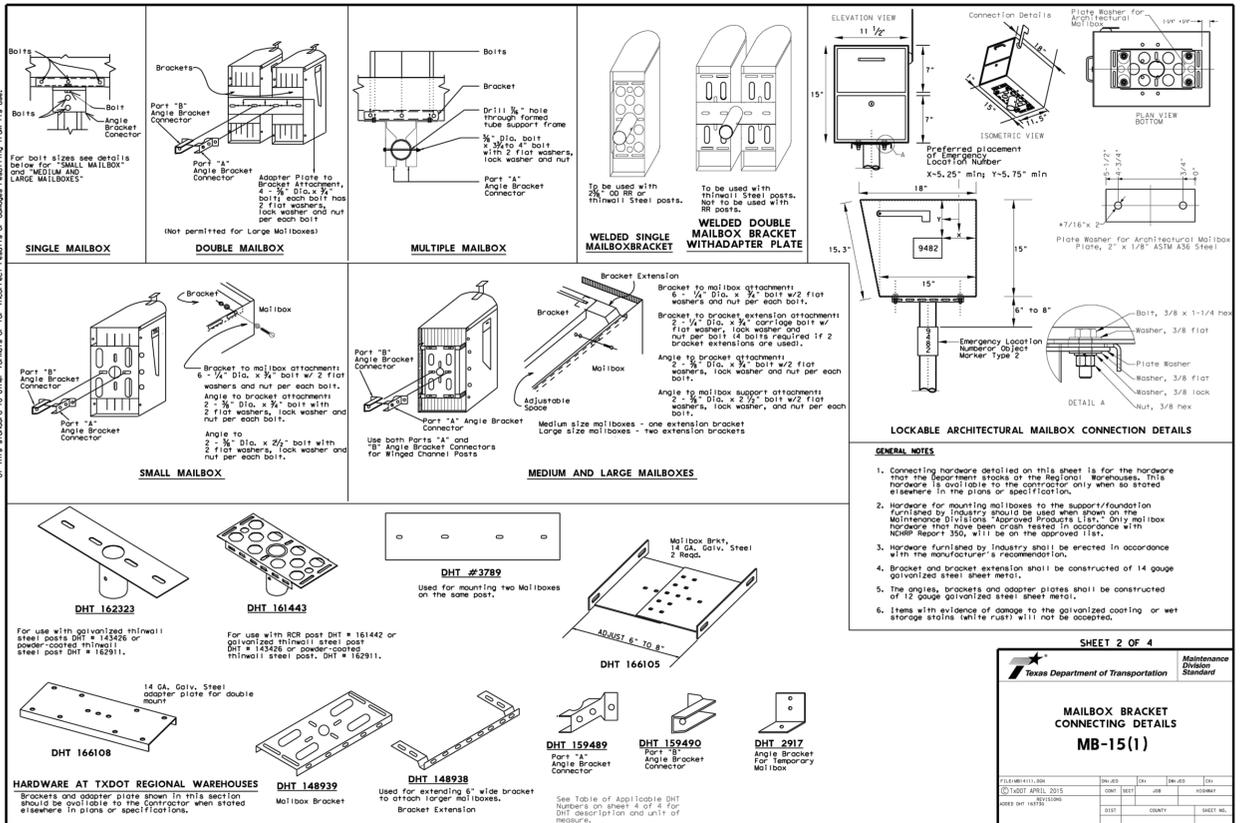
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143433	WEDGE FOR V-WING SOCKET FOR TYPE 1 FOUNDATION
143434	V-WING SOCKET FOR TYPE 1 FOUNDATION
143435	WEDGE FOR TYPE 2 FOUNDATION
143436	ANCHOR FOR TYPE 2 FOUNDATION
160891	ANCHOR FOR TYPE 7 FOUNDATION
160892	SOCKET FOR TYPE 4 FOUNDATION
160893	WEDGE 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
166172	2" OCTAGONAL
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)
149339	BRACKET FOR ATTACHING SMALL OR MEDIUM SIZE MAIL BOX
149338	EXTENDER TO BRACKET FOR ATTACHING LARGE MAILBOX
159489	ANGLE BRACKET PART A
159490	ANGLE BRACKET PART B
162323	BRACKET FOR DOUBLE MOUNTING OF MAILBOXES ON THINWALL
162323	STEEL POST GALVANIZED OR POWERCOATED
161443	BRACKET FOR ATTACHING MAILBOX TO RECYCLED RUBBER POST AND TO MULTIPLE WHITE MAILBOX POST
163358	CASTING (NEWSPAPER RECEPTACLE BRACKET)
163321	1-PART 1 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
163320	BOLT HEX HEAD, GALV 3/8" X 3-1/2", 16 NC, W/1/2" 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)

REV	DATE	BY	CHKD	APP	REVISION
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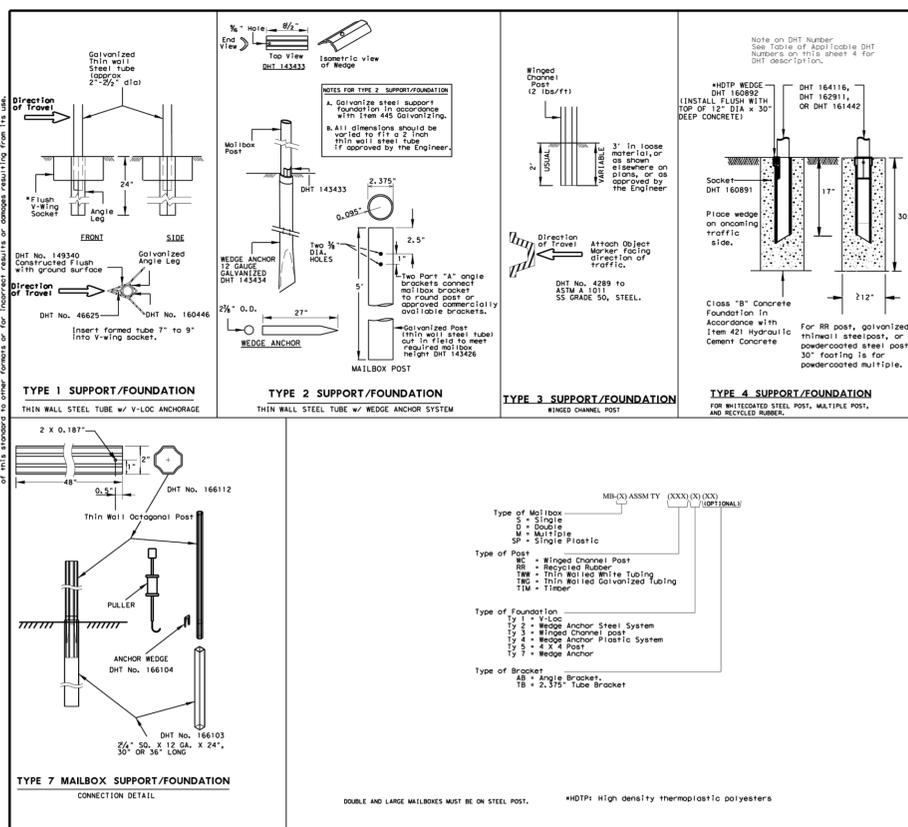


SHEET 2 OF 4

Texas Department of Transportation
Maintenance Division Standard

MAILBOX BRACKET CONNECTING DETAILS
MB-15(1)

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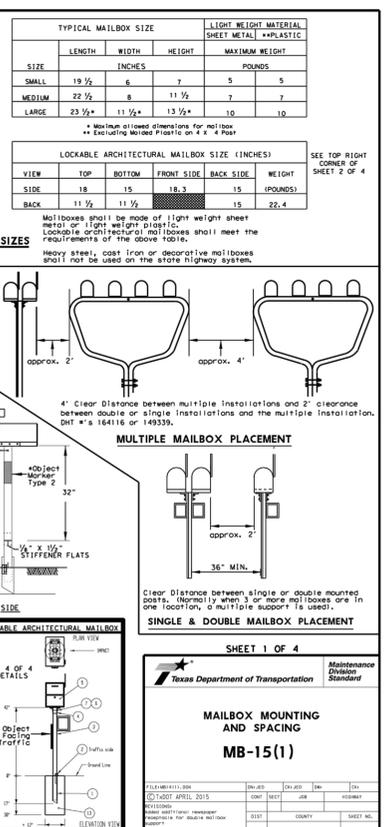
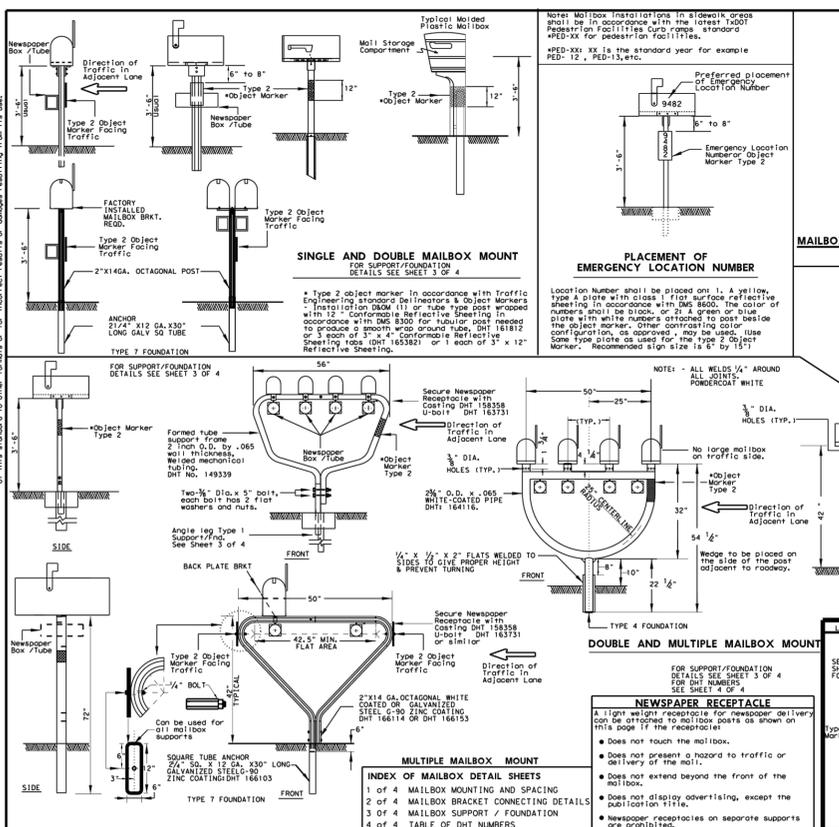


SHEET 3 OF 4

Texas Department of Transportation
Maintenance Division Standard

MAILBOX SUPPORT AND FOUNDATION
MB-15(1)

REV	DATE	BY	CHKD	APP	REVISION
1	04/07/2015



SHEET 1 OF 4

Texas Department of Transportation
Maintenance Division Standard

MAILBOX MOUNTING AND SPACING
MB-15(1)

REV	DATE	BY	CHKD	APP	REVISION
1	04/07/2015

NO.	REVISION	BY	DATE	CHECKED

SCALE	HORIZ	VERT
	N/A	N/A
DATE	JUNE 2022	

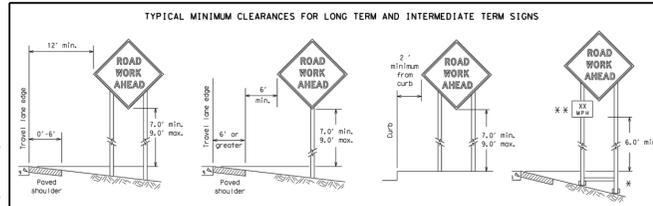
MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

DA PROJECT B005664.001

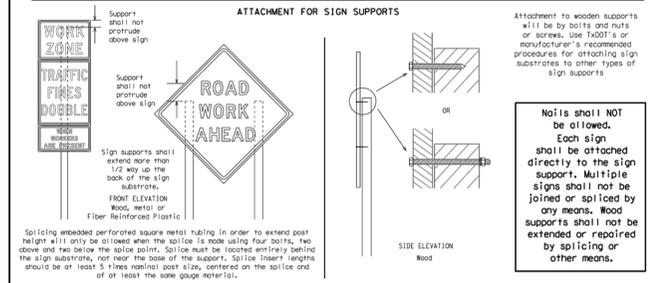
SHEET 7

TxDOT MAILBOX DETAILS

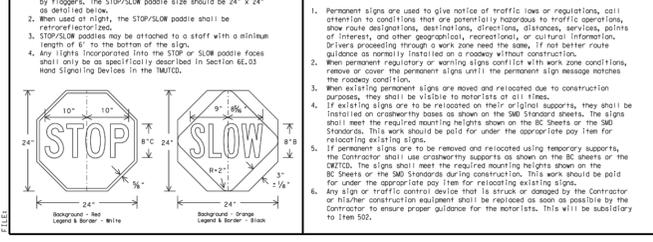
STATE OF TEXAS
132068
PROFESSIONAL ENGINEER
A. Johnston
06/13/2022



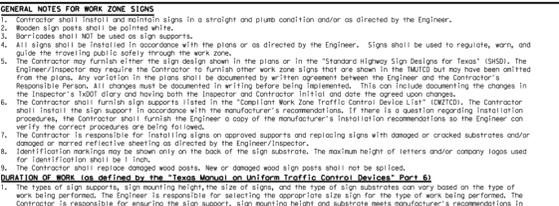
GENERAL NOTES FOR WORK ZONE SIGNS
1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.



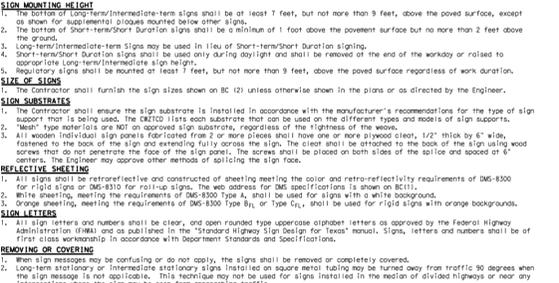
Attachment to wood supports will be by bolts and nuts or screws. Use TxDOT or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports.



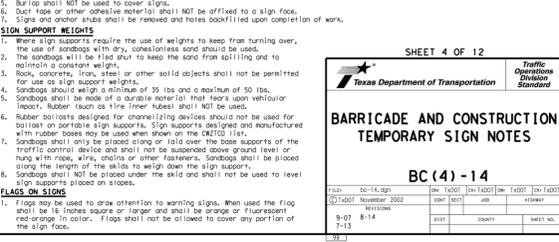
STOP/SLOW PADDLES are the primary method to control traffic by flaggers. The STOP/SLOW paddle size should be 24" x 24" as detailed here.



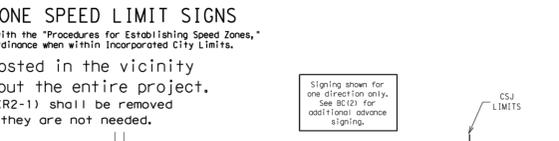
TYPICAL LOCATION OF CROSSROAD SIGNS
1. The typical minimum signing on a crossroad approach should be a 'ROAD WORK AHEAD' (CW20-10) sign and a (CW20-2) 'END ROAD WORK' sign, unless noted otherwise in plans.



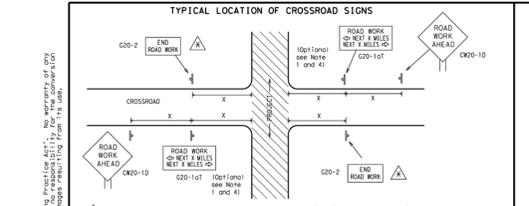
WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS
1. The Contractor shall determine the appropriate distance to be placed on the CSJ-1 series signs and 'BEGIN ROAD WORK NEXT X MILES' (CW20-10) sign for each specific project.



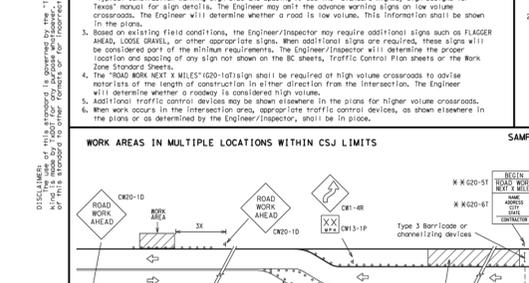
SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING AT THE CSJ LIMITS
1. The Contractor shall determine the appropriate distance to be placed on the CSJ-1 series signs and 'BEGIN ROAD WORK NEXT X MILES' (CW20-10) sign for each specific project.



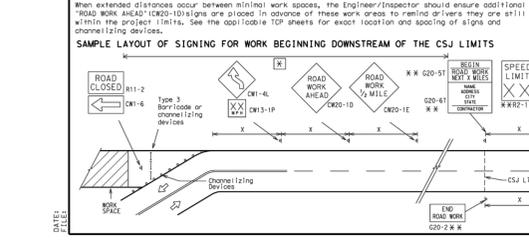
SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING DOWNSTREAM OF THE CSJ LIMITS
1. The Contractor shall determine the appropriate distance to be placed on the CSJ-1 series signs and 'BEGIN ROAD WORK NEXT X MILES' (CW20-10) sign for each specific project.



T-INTERSECTION
1. The Engineer will determine the types and location of any additional traffic control devices, such as a flagger and accompanying signs, or other signs, that should be used when work is being performed on or near an intersection.



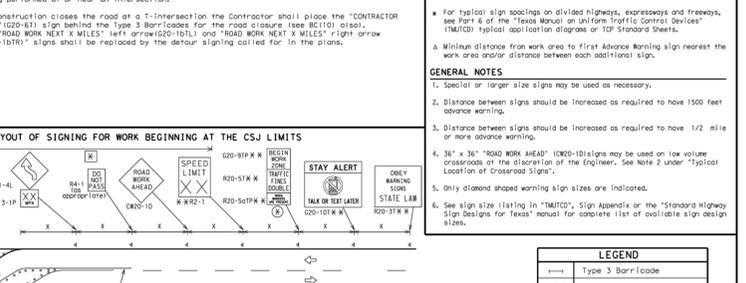
WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS
1. The Contractor shall determine the appropriate distance to be placed on the CSJ-1 series signs and 'BEGIN ROAD WORK NEXT X MILES' (CW20-10) sign for each specific project.



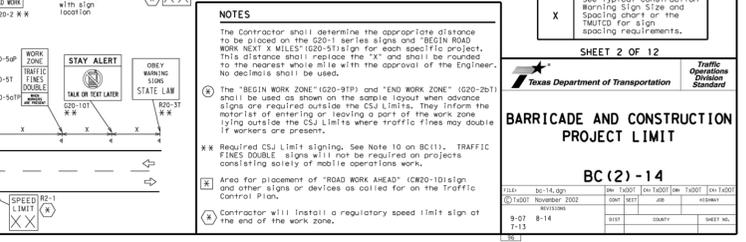
SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING AT THE CSJ LIMITS
1. The Contractor shall determine the appropriate distance to be placed on the CSJ-1 series signs and 'BEGIN ROAD WORK NEXT X MILES' (CW20-10) sign for each specific project.

Table with columns: Sign Number or Series, Conventional Road, Expressway/Freeway, Spacing, Posted Speed, Sign Spacing 'x'. Lists various sign types and their specifications.

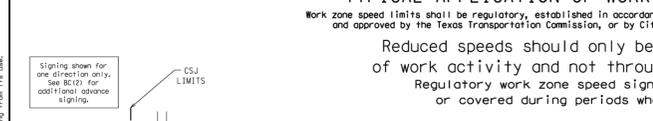
GENERAL NOTES
1. Special or larger size signs may be used as necessary.
2. Distance between signs should be increased as required to have 1500 feet spacing.



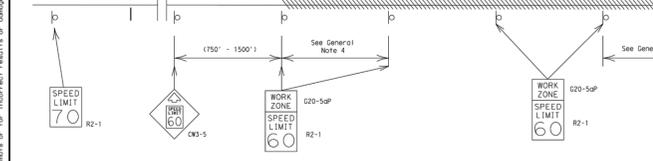
GENERAL NOTES
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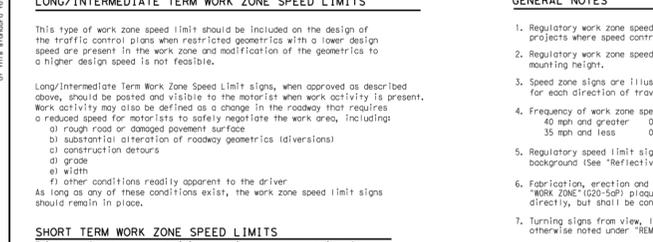
SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING AT THE CSJ LIMITS
1. The Contractor shall determine the appropriate distance to be placed on the CSJ-1 series signs and 'BEGIN ROAD WORK NEXT X MILES' (CW20-10) sign for each specific project.



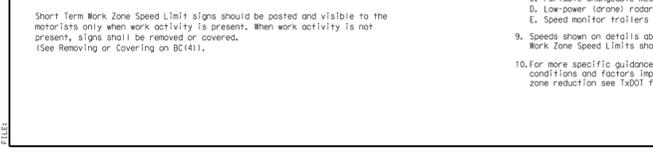
TYPICAL APPLICATION OF WORK ZONE SPEED LIMIT SIGNS
Work zone speed limits shall be regulatory, established in accordance with the 'Procedures for Establishing Speed Zones,' and approved by the Texas Transportation Commission, or by City Ordinance when within Incorporated City Limits.



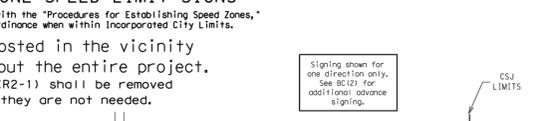
Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project. Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



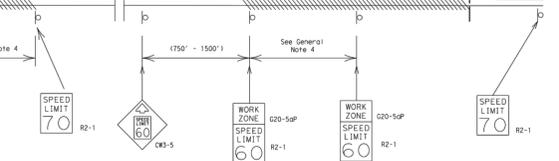
Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project. Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



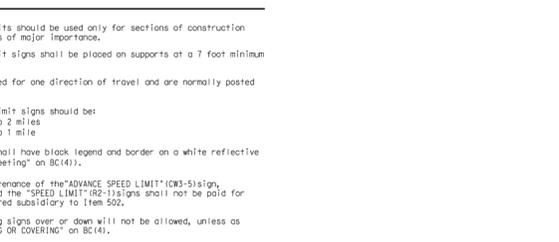
Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project. Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



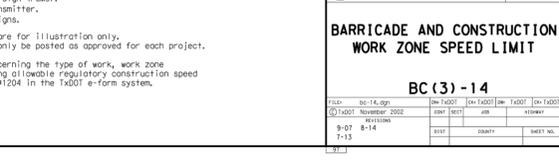
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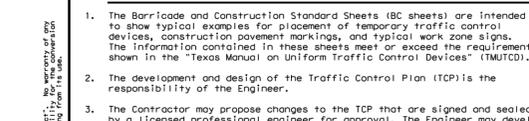
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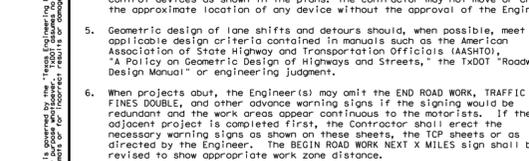
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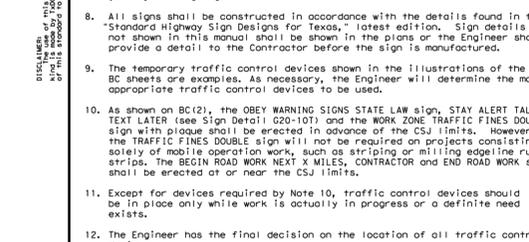
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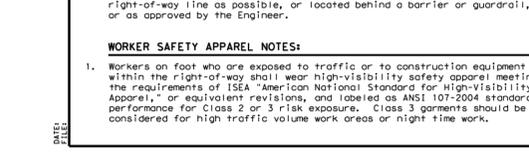
Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project. Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



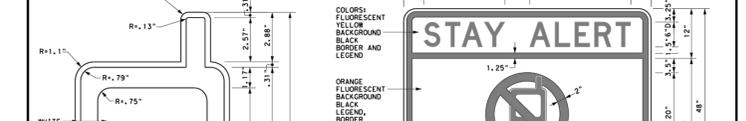
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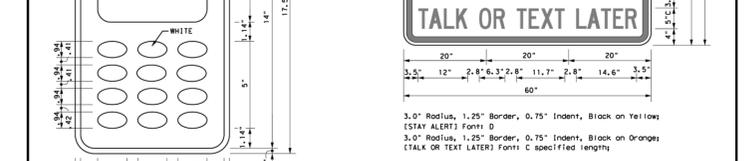
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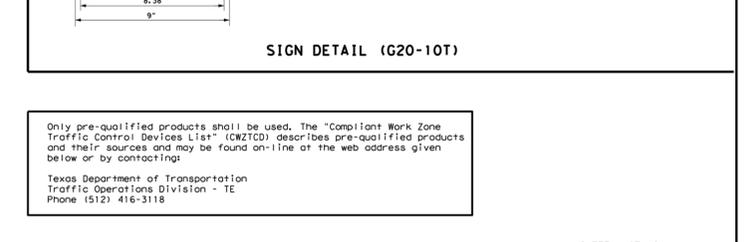
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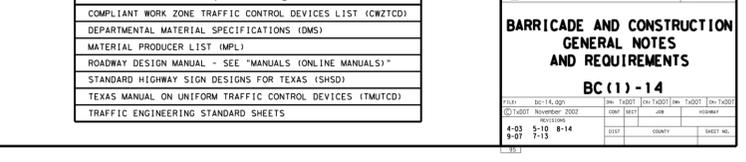
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Table with columns: NO., REVISION, BY, DATE, CHECKED. Lists revision history for the drawing.

Table with columns: TxDOT, DESIGNED, JL/B, DRAWN, JAS, CHECKED. Lists project personnel and their roles.

Table with columns: SCALE, HORIZ, N/A, VERT, N/A, DATE, JUNE 2022. Lists drawing scale and date.

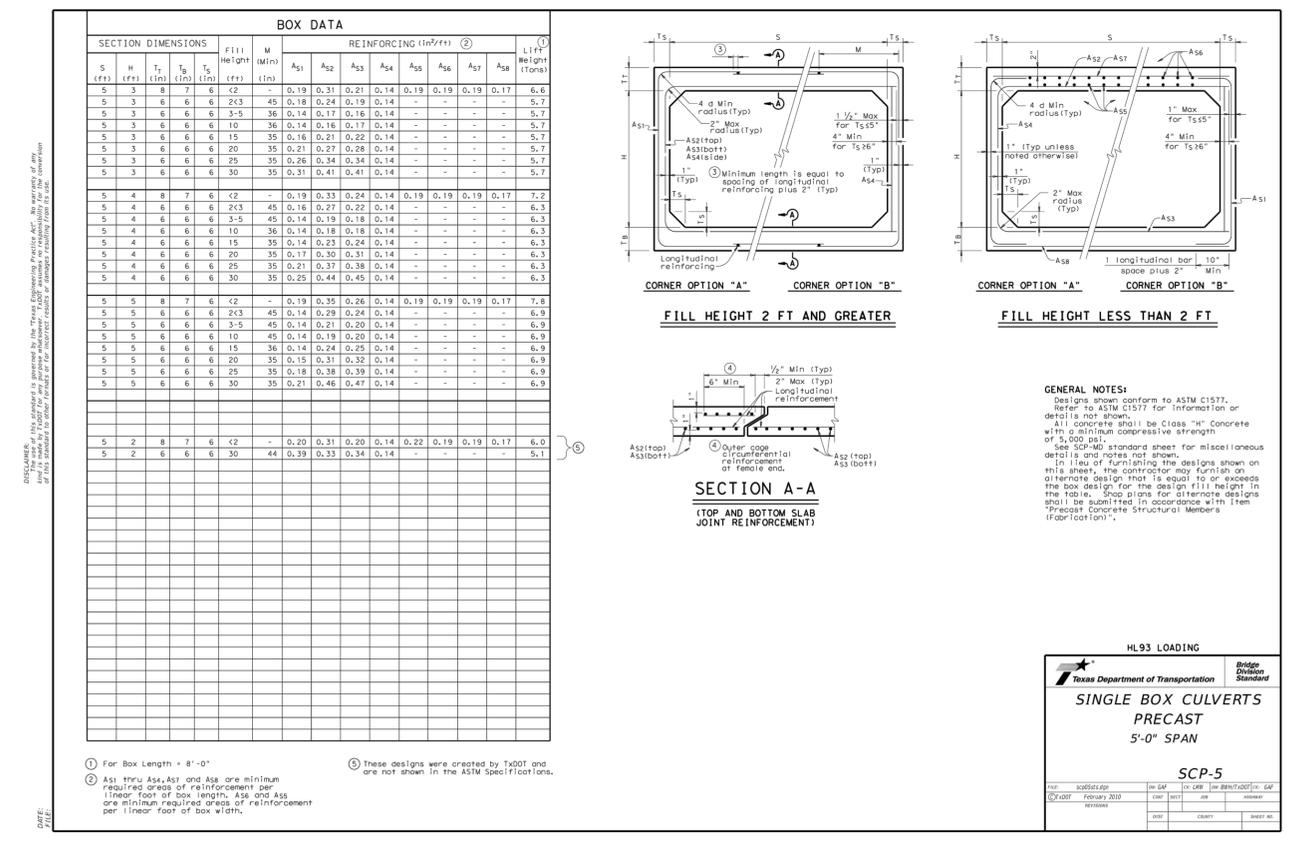
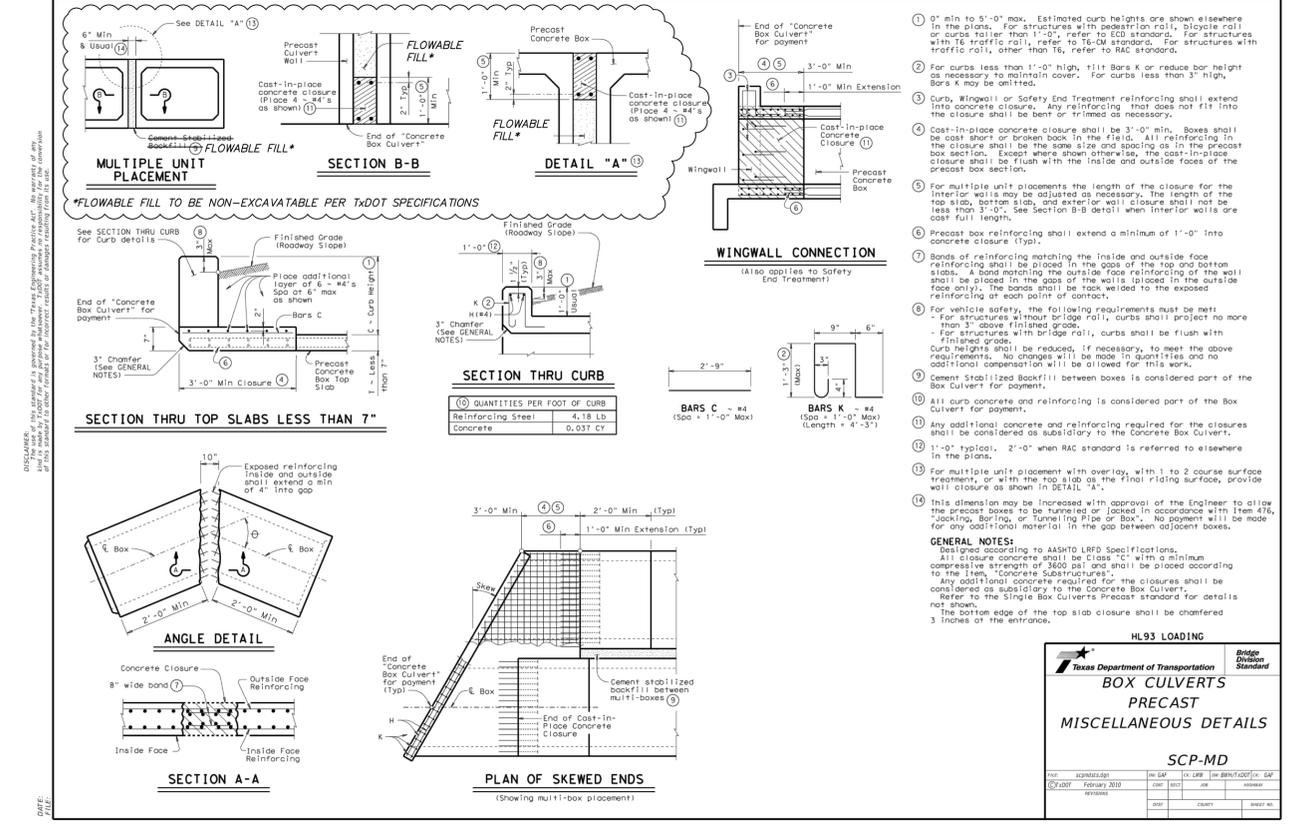
Logo for DUNAWAY with address: 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705. Tel: 432.699.4889. TX REG. F-1114.

Professional Engineer seal for A. Schmitt, No. 132068, State of Texas. License expires 06/13/2022.

Project information: MIDLAND COUNTY PRECINCT 2, EAST COUNTY ROAD 120 - PHASE I, MIDLAND COUNTY, TEXAS. TxDOT BARRICADE AND CONSTRUCTION DETAILS. DA PROJECT B005664.001. SHEET 8.

FILE PATH: C:\Production\00010506006666001\CAD\Drawings\PreCast\Sheet\TXDOT\DETAILS.dwg

FILE NAME: TXDOT DETAILS.dwg
 PLOTTED BY: Alvaro Medina
 PLOTTED DATE: 03/02/2022

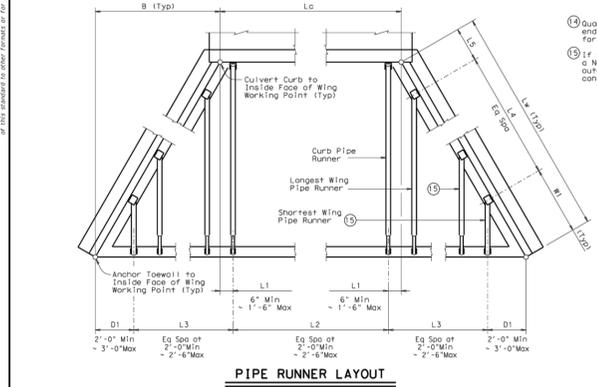


NO.	REVISION	BY	DATE	TXDOT DESIGNED N/A JLB DRAWN N/A JLB CHECKED	<p>MIDLAND COUNTY MIDLAND, TEXAS</p> <p>SCALE HORIZ N/A VERT N/A DATE JUNE 2022</p>	 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705 Tel: 432.699.4889 TX REG. F-1114	<p>MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS</p> <p>TXDOT BOX CULVERT DETAILS</p>	<p>DA PROJECT B005664.001</p> <p>SHEET 11</p>
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FILE PATH: C:\ProgramData\2010\065005664\001\CAD\Drawings\PC\Sheet\SETB-FW-01.dwg

FILE NAME: SETB-FW-01.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

Culvert Station and/or Creek name followed by (Left) and (Right) (Station)	Lc (Ft)	L1			L2			D1			L3			W1			L4			L5			Curb Pipe Runner (PC) Length (Ft)	Longest Wing Pipe Runner (PW) Length (Ft)	Shortest Wing Pipe Runner (PW) Length (Ft)	Non-Sliding Wing Pipe Runner (PW) Length (Ft)	Curb, Wing, or Non-Sliding Pipe Runners Size (Inches or 5")	3'-0" Anchor Pipe Size (Inches or 4")
		No. Spd	Spd at (Ft)	Overall Length (Ft)	No. Spd	Spd at (Ft)	Overall Length (Ft)	No. Spd	Spd at (Ft)	Overall Length (Ft)	No. Spd	Spd at (Ft)	Overall Length (Ft)	No. Spd	Spd at (Ft)	Overall Length (Ft)	No. Spd	Spd at (Ft)	Overall Length (Ft)									



Quantities shown are for one structure end if L1 or R1. Quantities shown are for two structure ends if both.
 If the outermost Wing Pipe Runner is a Non-Sliding Pipe Runner, the next outermost Wing Pipe Runner shall be considered the Shortest.

SPECIAL NOTE:
 This tabular sheet is to be filled out by the culvert specifier and provides information for the construction detail and quantities of Pipe Runners.
 An Excel 97 spreadsheet to assist in completing this table can be downloaded from the Bridge Standards (English) web page on the TxDOT web site. The completed sheet shall be signed, sealed, and dated by a licensed Professional Engineer.
 Note that the tabular quantities are given for estimating purposes only. It is likely that these quantities will change due to field conditions. Therefore, all dimensions shall be verified by the contractor in the field prior to fabrication of the Safety End Treatment components.

SHEET 3 OF 3

Texas Department of Transportation
SAFETY END TREATMENT WITH FLARED WINGS
 FOR 0° SKEW BOX CULVERTS
 TYPE 1 ~ CROSS DRAINAGE

SETB-FW-0

REV	DESCRIPTION	DATE	BY	CHK	APP
1	ISSUED	February 2010			
2	REVISED				
3	REVISED				

TABLE OF DIMENSIONS & REINFORCING STEEL (Wings for One Structure End)

Dimensions	Variable Reinforcing	Estimated Quantities per ft of Wing Length (2-Wings)
Maximum Wing Height (ft)	Reinforcing	Reinforcing
2'-6" 2'-5" 1'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	33.73 0.248 37.07 0.261 37.14 0.213
3'-0" 2'-5" 1'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	36.41 0.285 41.75 0.330 45.09 0.343
4'-0" 2'-5" 1'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	45.75 0.355 46.42 0.364 49.77 0.414
4'-6" 3'-0" 1'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	46.19 0.486 49.77 0.535 51.49 0.554
5'-0" 3'-0" 1'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	61.49 0.555 61.49 0.555 61.49 0.555
6'-0" 3'-0" 1'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	61.49 0.555 61.49 0.555 61.49 0.555
8'-0" 4'-0" 2'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	61.49 0.555 61.49 0.555 61.49 0.555
10'-0" 5'-0" 2'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	61.49 0.555 61.49 0.555 61.49 0.555
12'-0" 6'-0" 2'-0"	4 #4 1'-0" 4 #4 1'-0" 4 #4 1'-0"	61.49 0.555 61.49 0.555 61.49 0.555

TABLE OF ESTIMATED ANCHOR TOEWALL QUANTITIES

Bar Size	No.	Spd
#4	4	1'-0"
#5	6	1'-0"
#6	8	1'-0"
#8	12	1'-0"
Rein. (Lb/ft)	3.82	
Conc. (CY/ft)	0.074	

TABLE OF WING WALL REINFORCING (E-Wings)

Bar Size	No.	Spd
#4	4	1'-0"
#5	6	1'-0"
#6	8	1'-0"
#8	12	1'-0"
Rein. (Lb/ft)	2.45	
Conc. (CY/ft)	0.037	

TABLE OF MAXIMUM WING HEIGHTS (HW MAX)

Slope	HW Max
1:1	4'-0"
2:1	8'-0"
3:1	12'-0"

WING DIMENSION CALCULATIONS:
 Formulas (All values are in Feet)
 $H = H + T + C = 0.250(1)$
 $A = (HW - 0.333)(SL)$
 $B = (A)(\tan\theta + 3)$
 $C = (A)(\tan\theta + 3)$
 For Cast-in-place culverts
 $LW = (W)(SL + (N+1))$
 For Precast culverts
 $LW = (W)(2U - SL + (N+1)(0.500))$
 $LW = (LW) - (2U)$
 $AW = (LW) + (2B)$
 $Area = (AW)(LW) - (2B)(LW)$
 $Area = (HW + 0.333)(LW)$

GENERAL NOTES:
 Designed according to ASHTO LRFD Specifications. The Safety End Treatments shown herein are intended for use in those installations where out-of-control vehicles are likely to traverse the openings approximately perpendicular to the Pipe Runners. Pipe Runners are designed for a traversing load of 1,400 pounds or yields as recommended by Research Report 280-1, "Safety Treatment of Roadside Cross-Drainage Structures", Texas Transportation Institute, March 1981.
 Synthetic fibers listed on the "Fibers for Concrete Material Producer List (MPL)" may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.
 All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.
 All reinforcing bars shall be adjusted to provide a minimum of 1/4" clear cover.
 When structure is founded on solid rock, depth of toewalls for culverts and wingwalls may be reduced or eliminated as directed by the Engineer.
 See SCS sheet for additional dimensions and information.
 All bolts, nuts, washers, brackets, angles, and pipe runners are considered parts of the Safety End Treatment for purposes of the requirements of ASTM A563, A575, or A578, Grade B, ASTM A500 (for use in SCS SPS-355).
 Bolts and nuts shall conform to ASTM A307. Steel angles shall conform to ASTM A36. All steel components, except reinforcing, shall be galvanized. Galvanizing should conform to the requirements of the specification.
 The quantities for concrete and reinforcing steel resulting from the formulas given in this sheet are for contractor's information only.

SHEET 1 OF 3

Texas Department of Transportation
SAFETY END TREATMENT WITH FLARED WINGS
 FOR 0° SKEW BOX CULVERTS
 TYPE 1 ~ CROSS DRAINAGE

SETB-FW-0

REV	DESCRIPTION	DATE	BY	CHK	APP
1	ISSUED	February 2010			
2	REVISED				
3	REVISED				

TABLE OF DIMENSIONS & REINFORCING STEEL (Wings for One Structure End)

TABLE OF WING WALL REINFORCING (E-Wings)

TABLE OF MAXIMUM WING HEIGHTS (HW MAX)

WING DIMENSION CALCULATIONS:

GENERAL NOTES:

INSIDE ELEVATION OF WINGWALL
 (Showing reinforcing, Culvert and Culvert Toewall reinforcing not shown for clarity.)

STRUCTURAL PLAN
 (Showing dimensions.)

SECTION A-A
 (Culvert and Culvert Toewall reinforcing not shown for clarity.)

CORNER DETAILS

SECTION B-B

SECTION C-C

NO.	REVISION	BY	DATE	CHECKED

SCALE

HORIZ
N/A
VERT
N/A
DATE
JUNE 2022

TxDOT
 DESIGNED
JLB
 DRAWN
JLB
 CHECKED

MIDLAND COUNTY
 MIDLAND, TEXAS

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

STATE OF TEXAS
 PROFESSIONAL ENGINEER
 132068
 A. Johnston
 06/13/2022

MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS

TxDOT HEADWALL AND WINGWALL DETAILS

DA PROJECT
005664.001

SHEET
12

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	FLOUORESCENT 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	FLOUORESCENT 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

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

Texas Department of Transportation Traffic Operations Division

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 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:
 - 45,000 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/traffic/operations/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-driven 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 just 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 roadway 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 support 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 75 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 loaded after adequate cure time per the manufacturer's recommendations. Top of bolt shall extend at least 1/4" 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.

Texas Department of Transportation Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS TRIANGULAR SLIPBASE SYSTEM SMD (SLIP-1) - 08

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

GENERAL NOTES

- Sign support 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.

REQUIRED SUPPORT

SIGN DESCRIPTION	SUPPORT
48-Inch STOP sign (R1-1)	TY 10806(1)(XX)(T)
48-Inch YIELD sign (R1-2)	TY 10806(1)(XX)(B)
48x48-Inch ONE-WAY sign (R6-1)	TY 10806(1)(XX)(B)
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)

Texas Department of Transportation Traffic Operations Division

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

SIGN SUPPORT DESCRIPTIVE CODES

(Descriptive Codes correspond to project estimate and quantities sheets)

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

POST

- FRP - Fiberglass Reinforced Plastic Pipe (see SMD(FRP))
- TR - Thin-walled Tubing (see SMD(TR))
- 10806 - 10 806 Tubing (see SMD(SLIP-1) to (SLIP-3))
- S80 - Schedule 80 Pipe (see SMD(SLIP-1) to (SLIP-3))

Number of Posts (1 or 2)

Anchor Type

- UA - Universal Anchor - Galvanized (see SMD(FRP) and (TR))
- UB - Universal Anchor - Bolted (see SMD(FRP) and (TR))
- WA - Wedge Anchor (see SMD(WA))
- WP - Wedge Anchor (see SMD(WA))
- SA - Silabases - Bolted (see SMD(SLIP-1) to (SLIP-3))
- SB - Silabases - Bolted (see SMD(SLIP-1) to (SLIP-3))

Sign Mounting Description

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

REQUIRED CLEARANCE FOR BREAKAWAY SUPPORT

No more than 2 sign posts should be located within a 7 ft. circle.

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

SIGN WITH PLAQUES

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

Signs shall be mounted using the following condition that results in the greatest sign elevation:

- a minimum of 7 to a maximum of 7.5 feet above the edge of the travel lane or
- a minimum of 7 to a maximum of 7.5 feet above the grade at the base of the support when sign is installed on the backstop.

The maximum values may be increased when directed by the Engineer.

See the Traffic Operations Division website for detailed drawings of sign clamps, Triangular Slipbase System components and Wedge Anchor System components.

The website address is: <http://www.txdot.gov/traffic/operations/traffic.htm>

Texas Department of Transportation Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS GENERAL NOTES & DETAILS SMD (GEN) - 08

NO.	REVISION	BY	DATE	CHECKED
		JLB		
		DESIGNED		
		JLB		
		DRAWN		
		JAS		

SCALE: HORIZ N/A, VERT N/A, DATE JUNE 2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

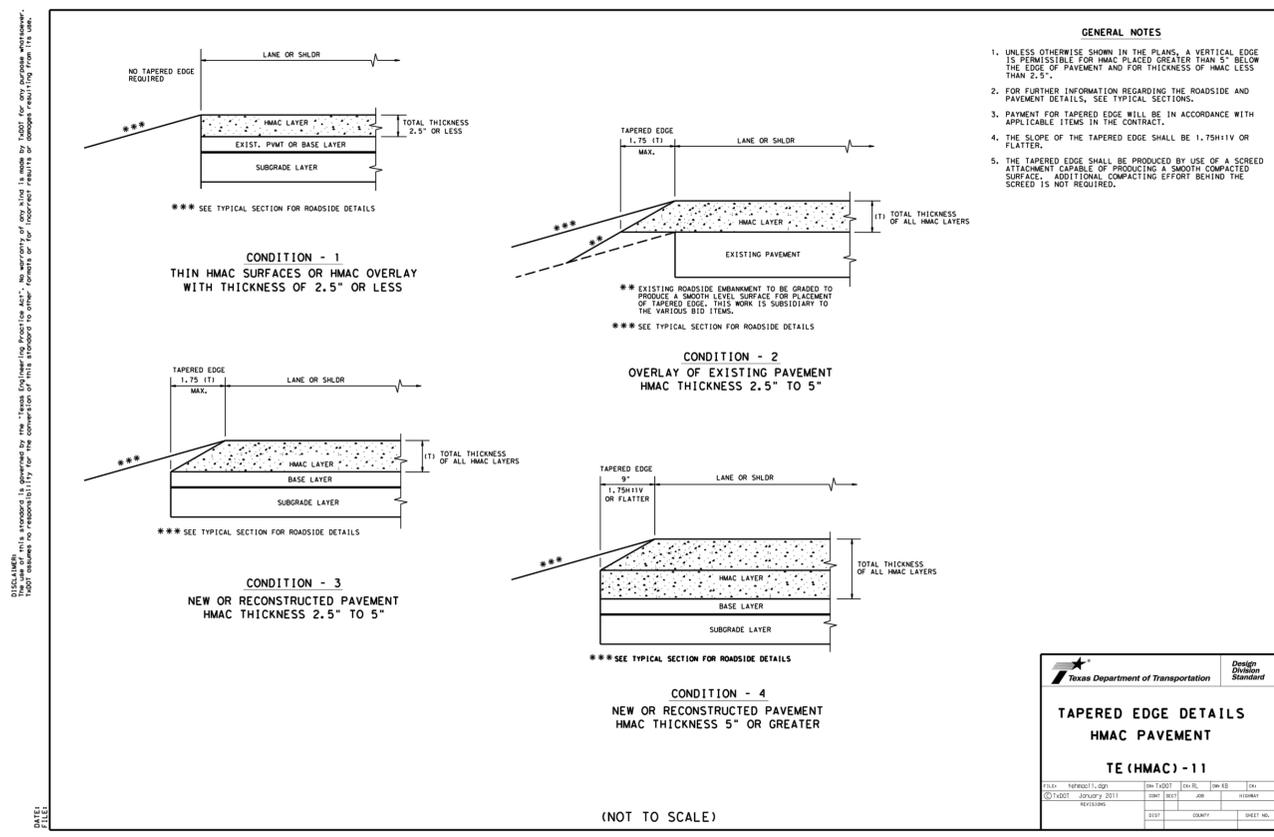
DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889 (TX REG. F-1114)

STATE OF TEXAS
JESSICA A. SCHULTZ
132068
PROFESSIONAL ENGINEER
A. Schultze

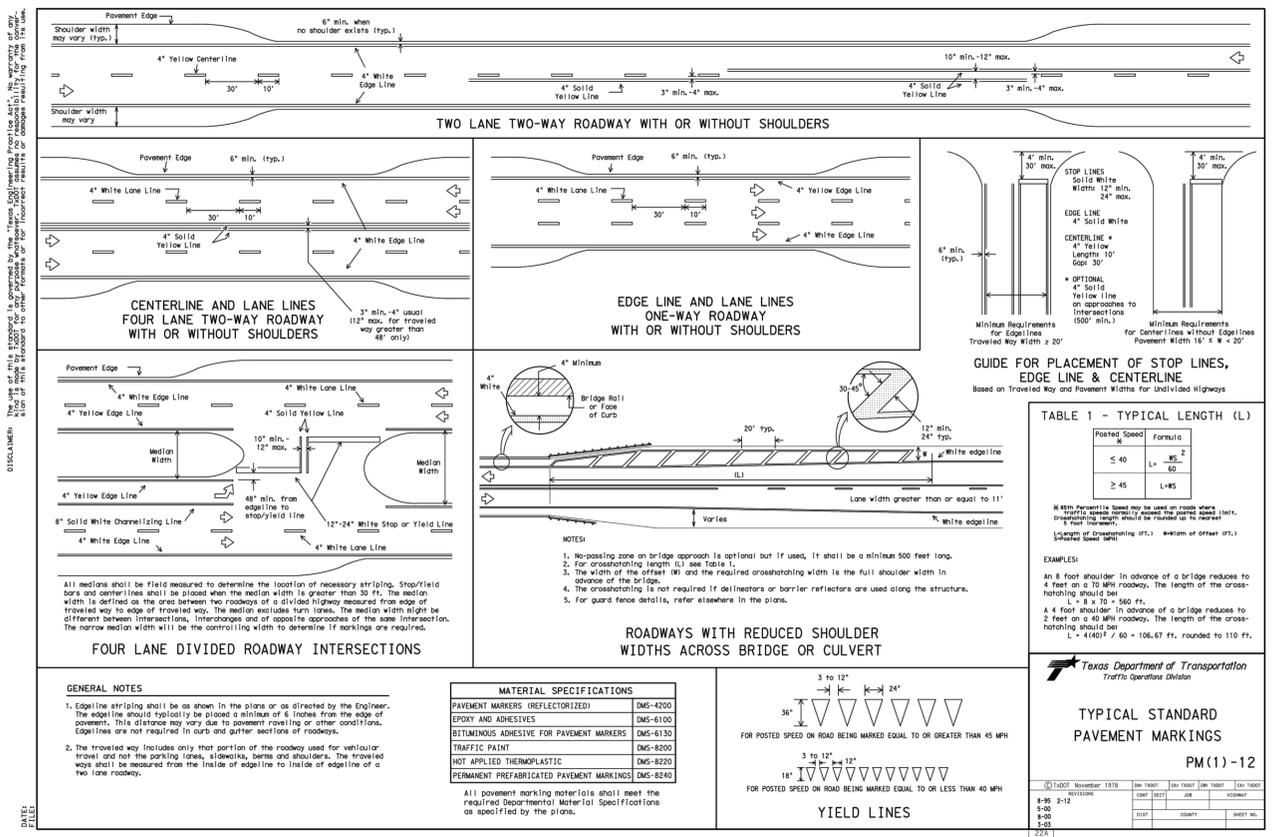
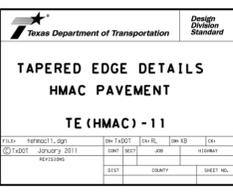
MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

TxDOT SIGNAGE DETAILS

DA PROJECT B005664.001
SHEET 13



- GENERAL NOTES**
- UNLESS OTHERWISE SHOWN IN THE PLANS, A VERTICAL EDGE IS PERMISSIBLE FOR HMAc PLACED GREATER THAN 5' BELOW THE EDGE OF PAVEMENT AND FOR THICKNESS OF HMAc LESS THAN 2.5".
 - FOR FURTHER INFORMATION REGARDING THE ROADSIDE AND PAVEMENT DETAILS, SEE TYPICAL SECTIONS.
 - PAVEMENT FOR TAPERED EDGE WILL BE IN ACCORDANCE WITH APPLICABLE ITEMS IN THE CONTRACT.
 - THE SLOPE OF THE TAPERED EDGE SHALL BE 1.75H:1V OR FLATTER.
 - THE TAPERED EDGE SHALL BE PRODUCED BY USE OF A SCREENED ATTACHMENT CAPABLE OF PRODUCING A SMOOTH COMPACTED SURFACE. ADDITIONAL COMPACTING EFFORT BEHIND THE SCREEN IS NOT REQUIRED.



- GENERAL NOTES**
- Edge line striping shall be as shown in the plans or as directed by the Engineer. The edge line should typically be placed a minimum of 6 inches from the edge of pavement. This distance may vary due to pavement roughing or other conditions. Edge lines are not required in curb and gutter sections of roadways.
 - The traveled way includes only that portion of the roadway used for vehicular travel and not the parking lanes, sidewalks, berms and shoulders. The traveled way shall be measured from the inside of edge line to inside of edge line of a two-lane roadway.

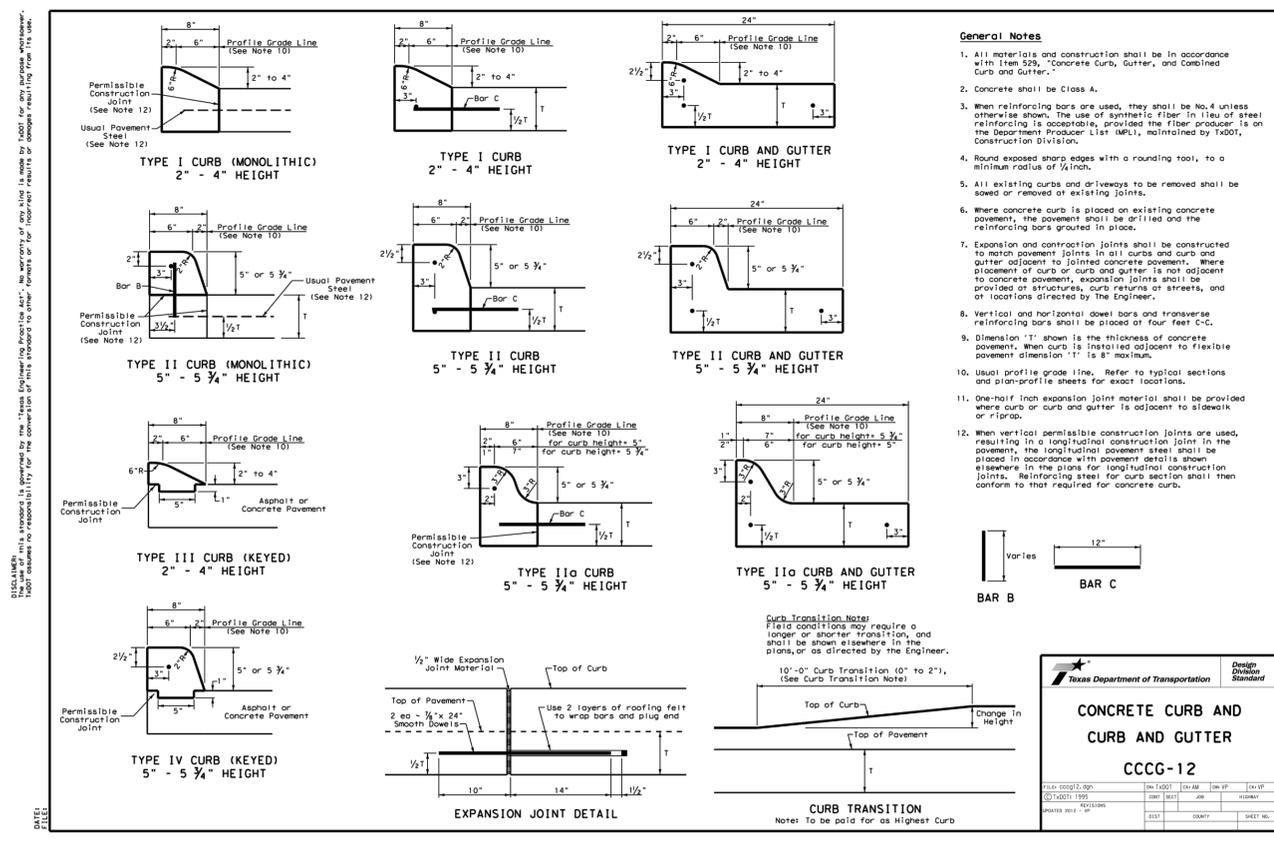
MATERIAL SPECIFICATIONS

PAVEMENT MARKERS (REFLECTORIZED)	DMS-6200
EPXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

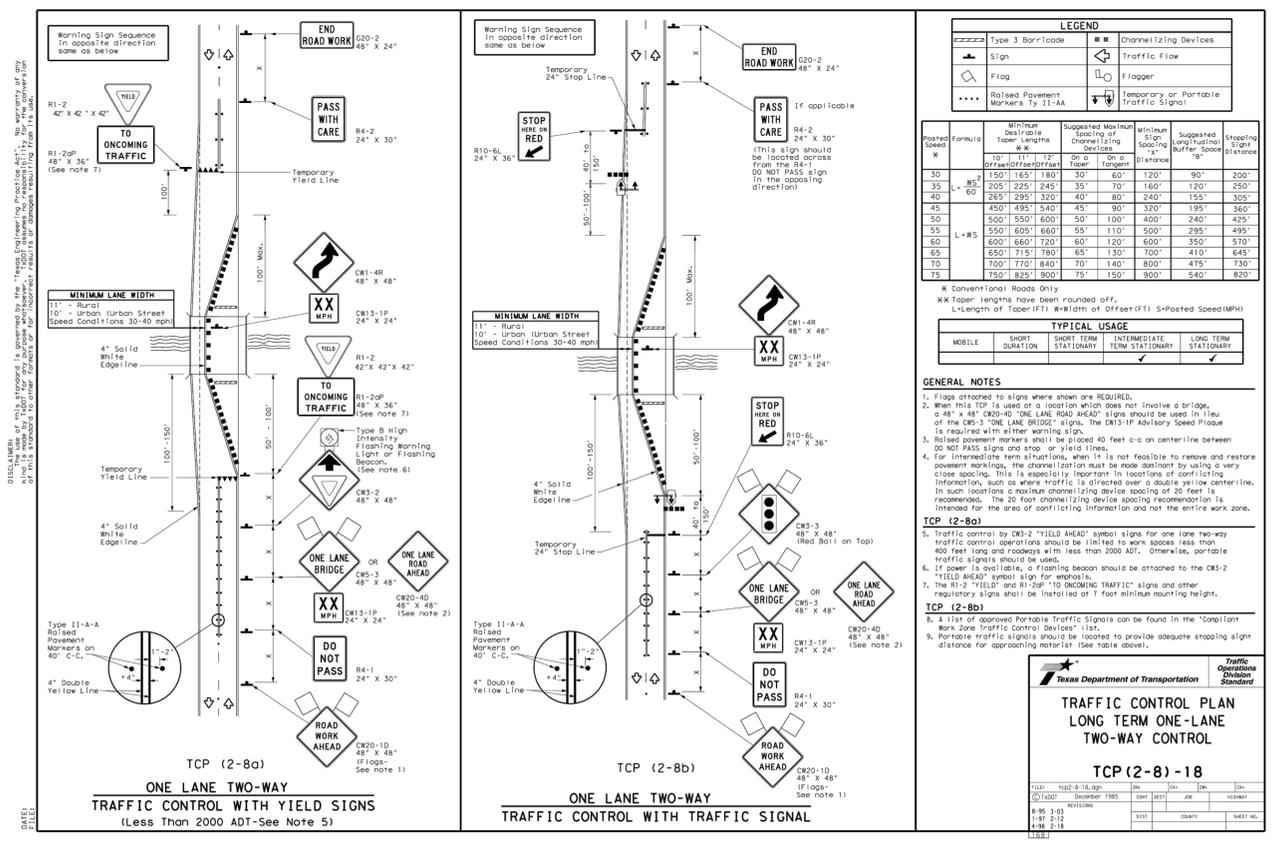
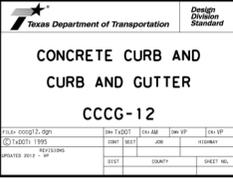
YIELD LINES

FOR POSTED SPEED ON ROAD BEING MARKED EQUAL TO OR GREATER THAN 45 MPH

FOR POSTED SPEED ON ROAD BEING MARKED EQUAL TO OR LESS THAN 40 MPH



- General Notes**
- All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter."
 - Concrete shall be Class A.
 - When reinforcing bars are used, they shall be No. 4 unless otherwise shown. The use of synthetic fiber in lieu of steel reinforcing is acceptable, provided the fiber producer is on the Department Producer List (see Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter").
 - Round exposed sharp edges with a rounding tool, to a minimum radius of 1/4 inch.
 - All existing curbs or driveways to be removed shall be sawed or removed of existing joints.
 - Where concrete curb is placed on existing concrete pavement, the pavement shall be drilled and the reinforcing bars grouted in place.
 - Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or gutter is not adjacent to concrete pavement, expansion joints shall be provided at structures, curb returns of streets, and at locations directed by the Engineer.
 - Vertical and horizontal dowel bars and transverse reinforcing bars shall be placed at four feet C-C.
 - Dimension 'T' shown is the thickness of concrete pavement. When curb is installed adjacent to flexible pavement dimension 'T' is 8" maximum.
 - Use profile grade line. Refer to typical sections and plan-profile sheets for exact locations.
 - One-half inch expansion joint material shall be provided where curb or gutter is adjacent to sidewalk or riprap.
 - When vertical permissible construction joints are used, resulting in a longitudinal construction joint in the pavement, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans for longitudinal construction joints. Reinforcing steel for curb section shall then conform to that required for concrete curb.



- GENERAL NOTES**
- Flags attached to signs where shown are REQUIRED.
 - When this TCP is used at a location which does not involve a bridge, a 48" x 48" CR3-2 ONE LANE ROAD AHEAD sign should be used in lieu of the CR3-1 ONE LANE BRIDGE sign. The CR3-1P Advisory Speed Plaque is required with either warning sign.
 - Related pavement markings shall be placed 40 feet or on centerline between 80 feet PASS signs and stop or yield lines.
 - For intermediate term situations, when it is not feasible to remove and restore pavement markings, the channelization must be replaced by using a very close spacing. This is especially important in locations of conflicting information, such as where traffic is directed over a double yellow centerline. In such locations a maximum channelizing device spacing of 20 feet is recommended. The 20 foot channelizing device spacing recommendation is intended for the area of conflicting information and not the entire work zone.

REVISION

NO.	REVISION	BY	DATE	CHECKED

SCALE

HORIZ	N/A
VERT	N/A
DATE	JUNE 2022

DUNAWAY

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
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

DA PROJECT B005664.001

SHEET

TxDOT MISC DETAILS

14



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.

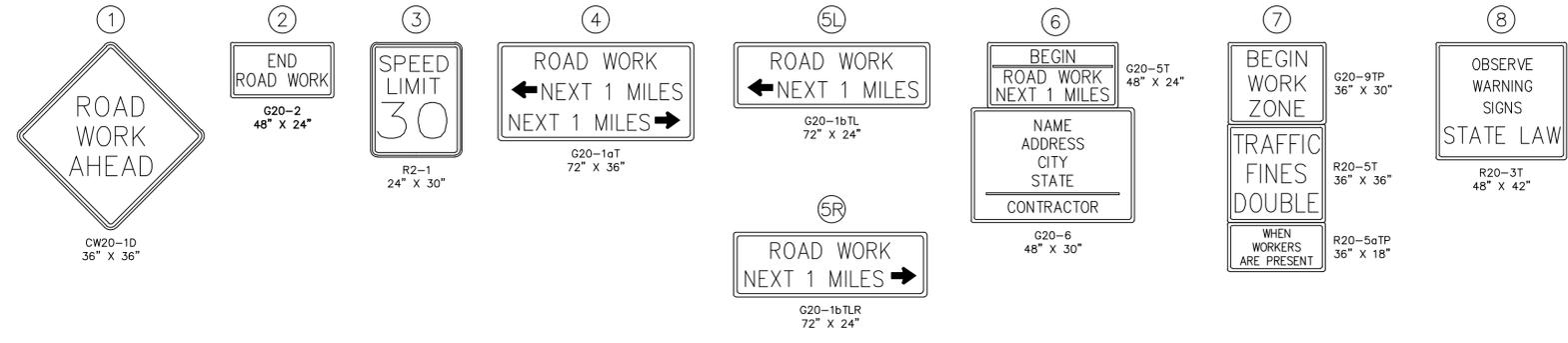
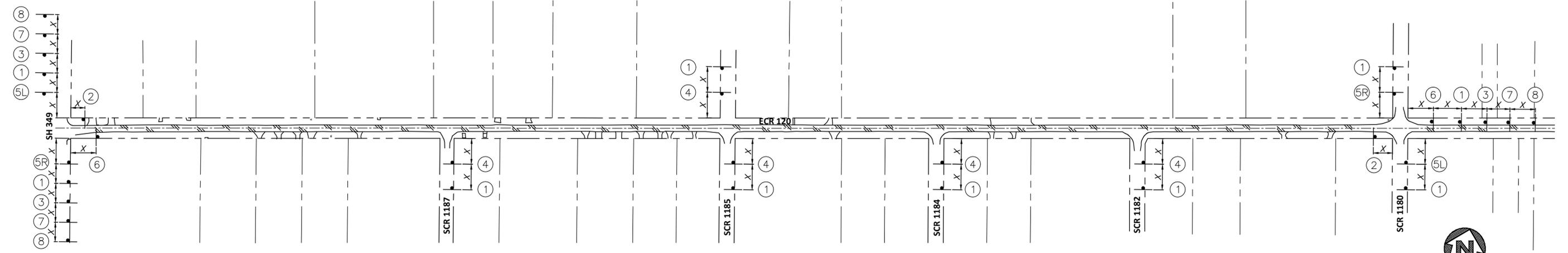
CRITICAL:
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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).

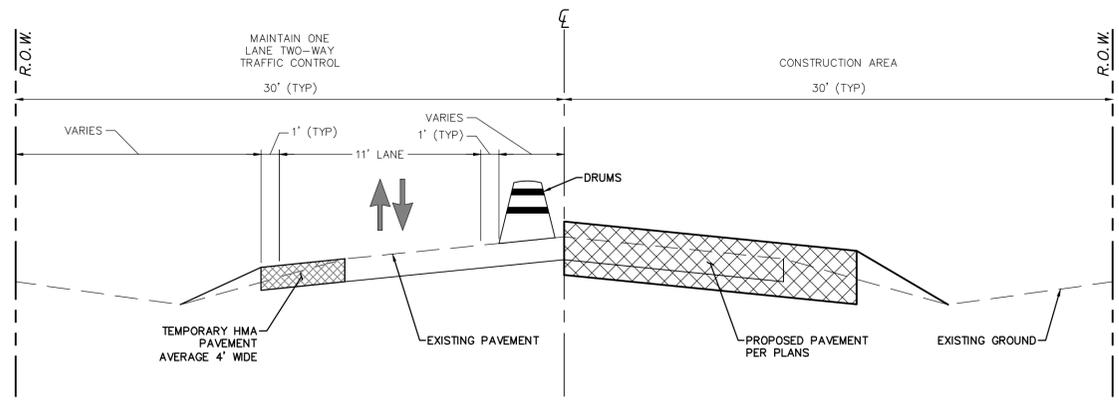
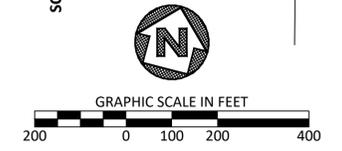
STATE PLANE COORDINATE NOTE:
COORDINATES PROVIDED ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), CENTRAL ZONE 4203; ALL COORDINATES, BEARINGS, AND DISTANCES ARE NAD83 GRID VALUES.

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

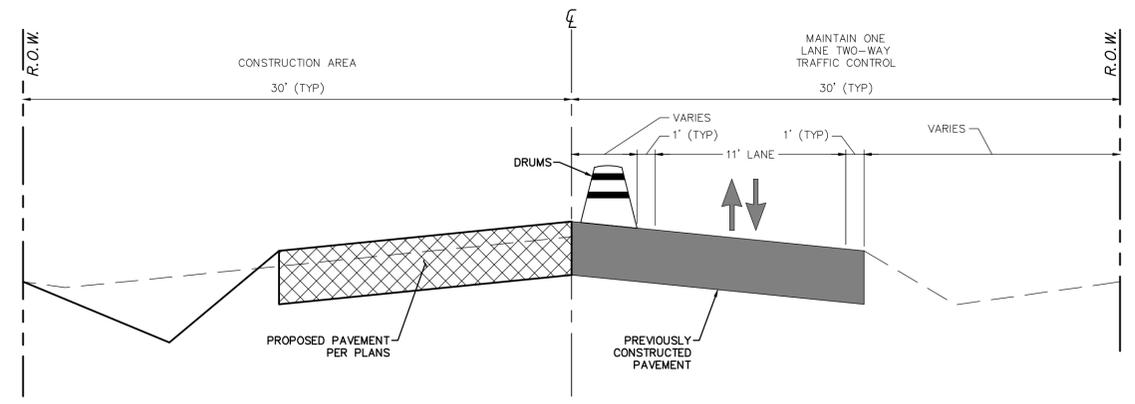
TRAFFIC CONTROL PLAN - PHASE 1



- 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)-14 FOR SPACING.
 5. WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TXDOT STANDARDS TCP(2-8)-18. LONG TERM ONE-LANE TWO-WAY CONTROL.



TCP PHASE 1a
NOT TO SCALE

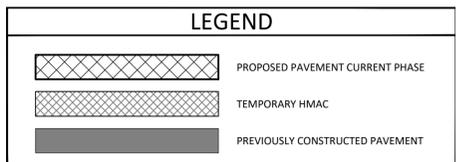


TCP PHASE 1b
NOT TO SCALE

- NOTES:**
1. TEMPORARY HMA PAVEMENT SECTION SHALL BE 2" HMA OVER 6" BASE MATERIAL.
 2. TEMPORARY HMA PAVEMENT SHALL BE COMPACTED FOR VEHICLE STABILITY.
 3. TEMPORARY HMA PAVEMENT SHALL NOT REQUIRE MATERIALS TESTING.

- SUGGESTED SEQUENCE OF WORK**
- TCP PHASE 1a TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANE TO LEFT SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON RIGHT SIDE.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- TCP PHASE 1b TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANE TO RIGHT SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON LEFT SIDE.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.

- CONSTRUCTION:**
1. INSTALL TEMPORARY HMA PAVEMENT AS REQUIRED.
 2. REMOVE EXISTING HMA PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON RIGHT SIDE.
 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON RIGHT SIDE.
 4. INSTALL TEMPORARY SIGNS AND PAVEMENT MARKINGS.
- CONSTRUCTION:**
1. INSTALL TEMPORARY HMA PAVEMENT AS REQUIRED.
 2. REMOVE EXISTING HMA PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON LEFT SIDE.
 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON LEFT SIDE.
 4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
 5. COMPLETE CLEAN UP.



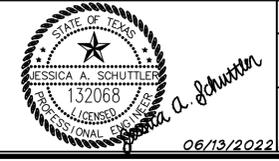
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 PLOTTED BY: Ashraf Adnan
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
JAS	DRAWN
BWA	BWA
	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	1"=200'
HORIZ	N/A
VERT	N/A
DATE	JUNE 2022



MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**TRAFFIC CONTROL PLAN
PHASE 1**

DA PROJECT
B005664.001

SHEET
15



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.

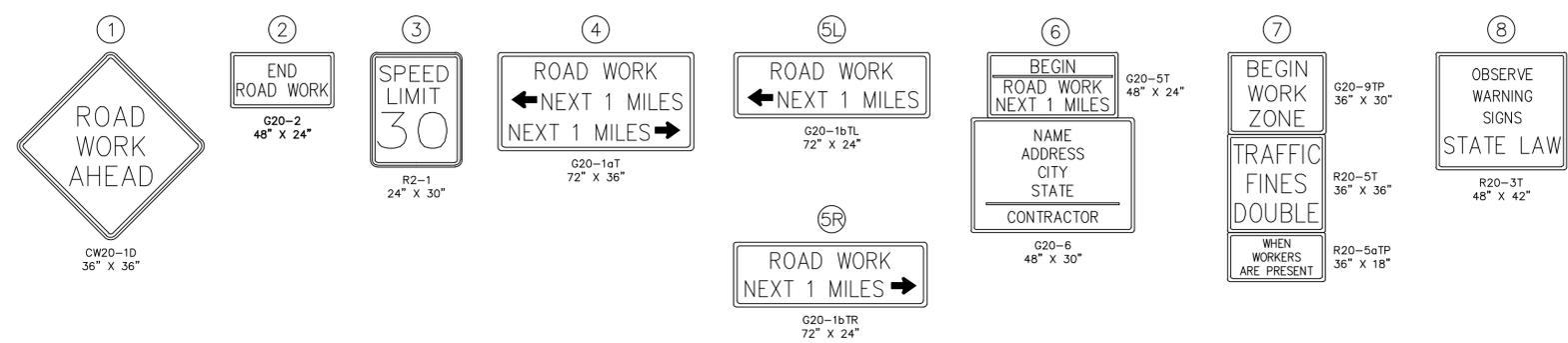
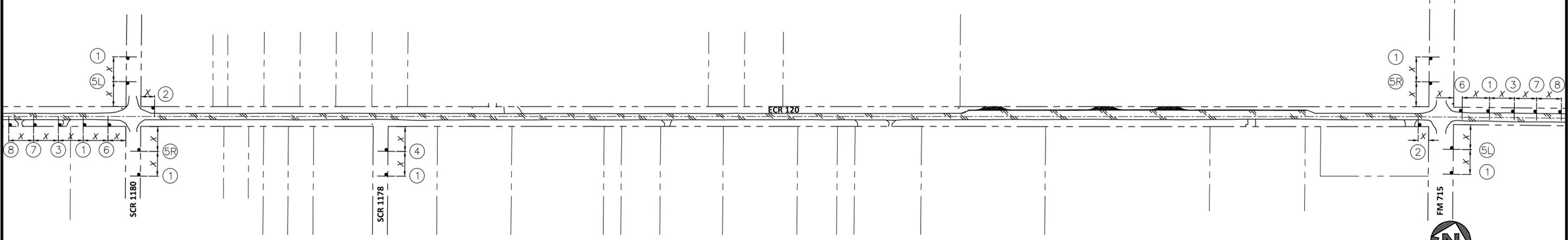
CRITICAL:
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UTILITY RELOCATION NOTE:
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE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

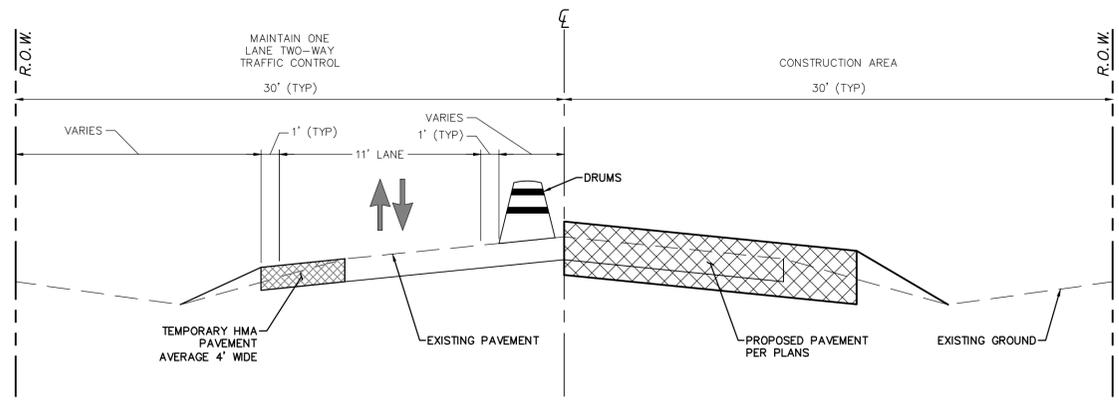
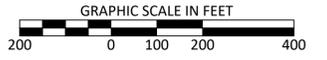
STATE PLANE COORDINATE NOTE:
COORDINATES PROVIDED ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), CENTRAL ZONE 4203; ALL COORDINATES, BEARINGS, AND DISTANCES ARE NAD83 GRID VALUES.

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

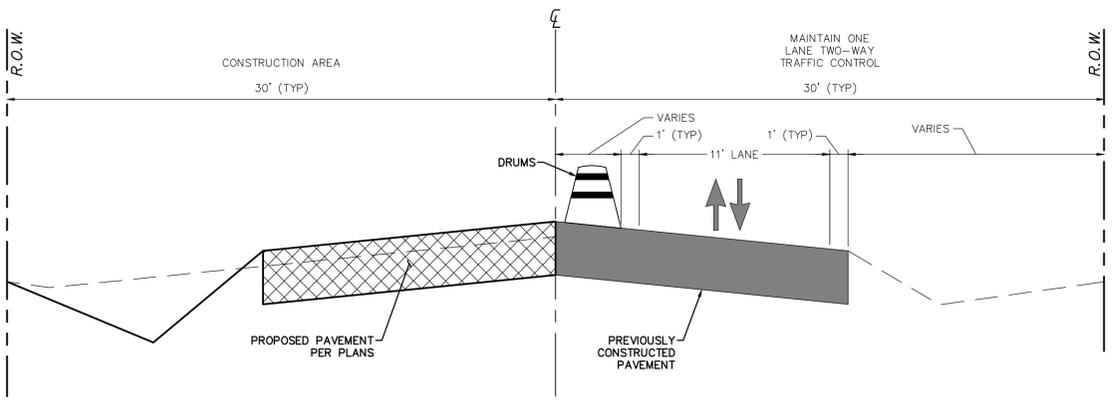
TRAFFIC CONTROL PLAN - PHASE 2



- GENERAL TRAFFIC CONTROL NOTES:**
- THE ADVANCE WARNING SIGNS SHALL BE LOCATED IN ADVANCE OF THE PHASING TRAFFIC CONTROL SEQUENCING FOR THE ABOVE LOCATIONS.
 - THE ADVANCE WARNING SIGNS SHALL REMAIN IN PLACE FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.
 - THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEAR ZONE (MEASURED FROM THE EDGE OF THE ADJACENT TRAFFIC LANE) DURING NON-WORK HOURS.
 - "X" REFER TO BC(2)-14 FOR SPACING.
 - WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TXDOT STANDARDS TCP(2-8)-18. LONG TERM ONE-LANE TWO-WAY CONTROL.



TCP PHASE 2a
NOT TO SCALE

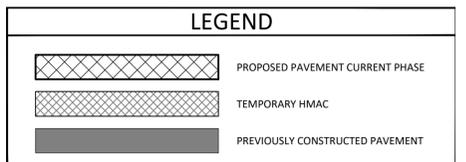


TCP PHASE 2b
NOT TO SCALE

- NOTES:**
- TEMPORARY HMA PAVEMENT SECTION SHALL BE 2" HMA OVER 6" BASE MATERIAL.
 - TEMPORARY HMA PAVEMENT SHALL BE COMPACTED FOR VEHICLE STABILITY.
 - TEMPORARY HMA PAVEMENT SHALL NOT REQUIRE MATERIALS TESTING.

- SUGGESTED SEQUENCE OF WORK**
- TCP PHASE 2a TRAFFIC:**
- REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 - INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANE TO LEFT SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON RIGHT SIDE.
 - MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- TCP PHASE 2b TRAFFIC:**
- REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 - INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANE TO RIGHT SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON LEFT SIDE.
 - MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.

- CONSTRUCTION:**
- INSTALL TEMPORARY HMA PAVEMENT AS REQUIRED.
 - REMOVE EXISTING HMA PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON LEFT SIDE.
 - BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON RIGHT SIDE.
 - INSTALL TEMPORARY SIGNS AND PAVEMENT MARKINGS.
- CONSTRUCTION:**
- INSTALL TEMPORARY HMA PAVEMENT AS REQUIRED.
 - REMOVE EXISTING HMA PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON LEFT SIDE.
 - BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON LEFT SIDE.
 - INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
 - COMPLETE CLEAN UP.



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 PLOTTED BY: Ashraf Adnan
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
JAS	DRAWN
BWA	BWA
	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	1"=200'
VERT	N/A
DATE	JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS
**TRAFFIC CONTROL PLAN
PHASE 2**

DA PROJECT	B005664.001
SHEET	16



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.

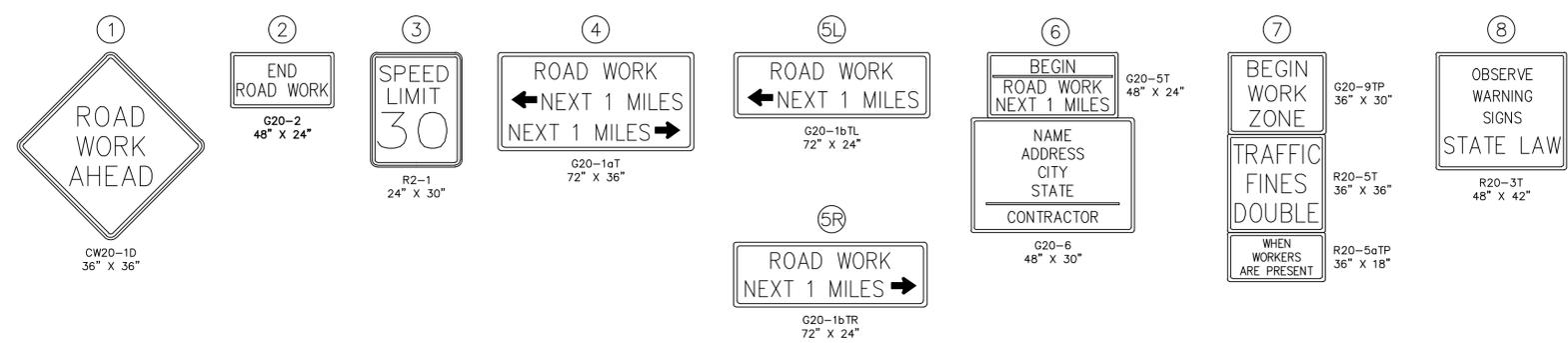
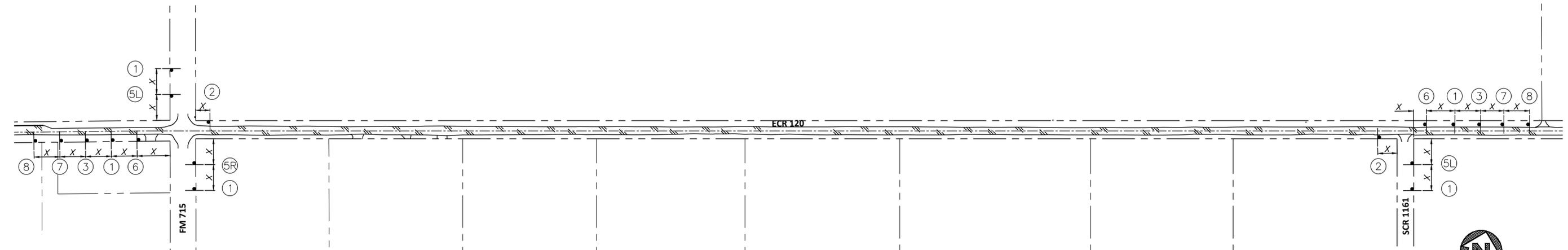
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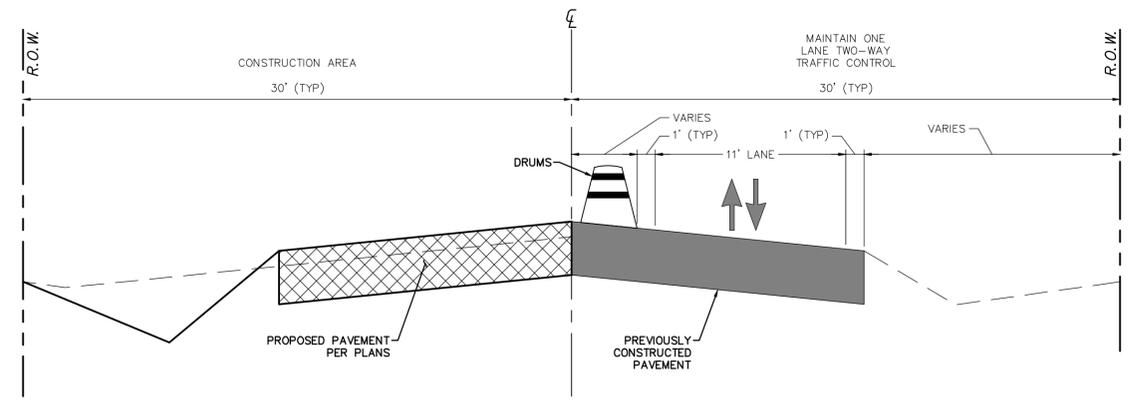
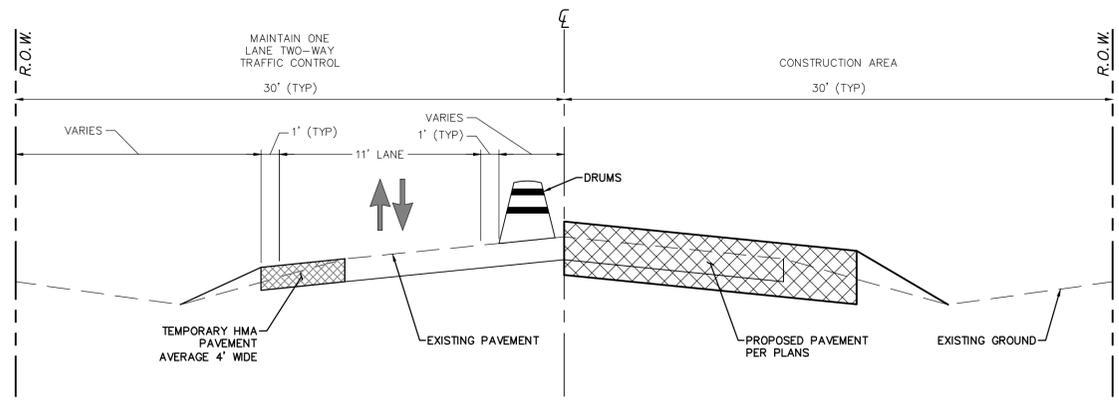
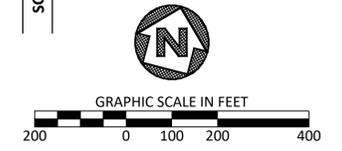
STATE PLANE COORDINATE NOTE:
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BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

TRAFFIC CONTROL PLAN - PHASE 3



- 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)-14 FOR SPACING.
 5. WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TXDOT STANDARDS TCP(2-8)-18. LONG TERM ONE-LANE TWO-WAY CONTROL.



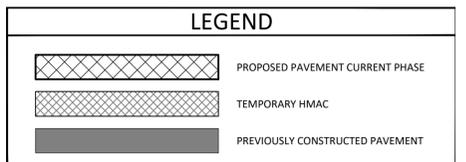
- NOTES:**
1. TEMPORARY HMA PAVEMENT SECTION SHALL BE 2" HMA OVER 6" BASE MATERIAL.
 2. TEMPORARY HMA PAVEMENT SHALL BE COMPACTED FOR VEHICLE STABILITY.
 3. TEMPORARY HMA PAVEMENT SHALL NOT REQUIRE MATERIALS TESTING.

TCP PHASE 3a
NOT TO SCALE

- SUGGESTED SEQUENCE OF WORK**
- TCP PHASE 3a TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANE TO LEFT SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON RIGHT SIDE.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- TCP PHASE 3b TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANE TO RIGHT SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON LEFT SIDE.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.

- CONSTRUCTION:**
1. INSTALL TEMPORARY HMA PAVEMENT AS REQUIRED.
 2. REMOVE EXISTING HMA PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON LEFT SIDE.
 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON RIGHT SIDE.
 4. INSTALL TEMPORARY SIGNS AND PAVEMENT MARKINGS.
- CONSTRUCTION:**
1. INSTALL TEMPORARY HMA PAVEMENT AS REQUIRED.
 2. REMOVE EXISTING HMA PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED ON LEFT SIDE.
 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON LEFT SIDE.
 4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
 5. COMPLETE CLEAN UP.

TCP PHASE 3b
NOT TO SCALE



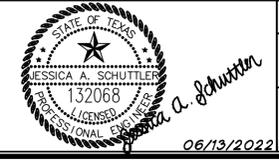
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 PLOTTED BY: Ashli Arshad
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
JAS	DRAWN
BWA	BWA
	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	1"=200'
HORIZ	
VERT	N/A
DATE	JUNE 2022



MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**TRAFFIC CONTROL PLAN
PHASE 3**

DA PROJECT
B005664.001

SHEET
17



WARNING TO CONTRACTOR:
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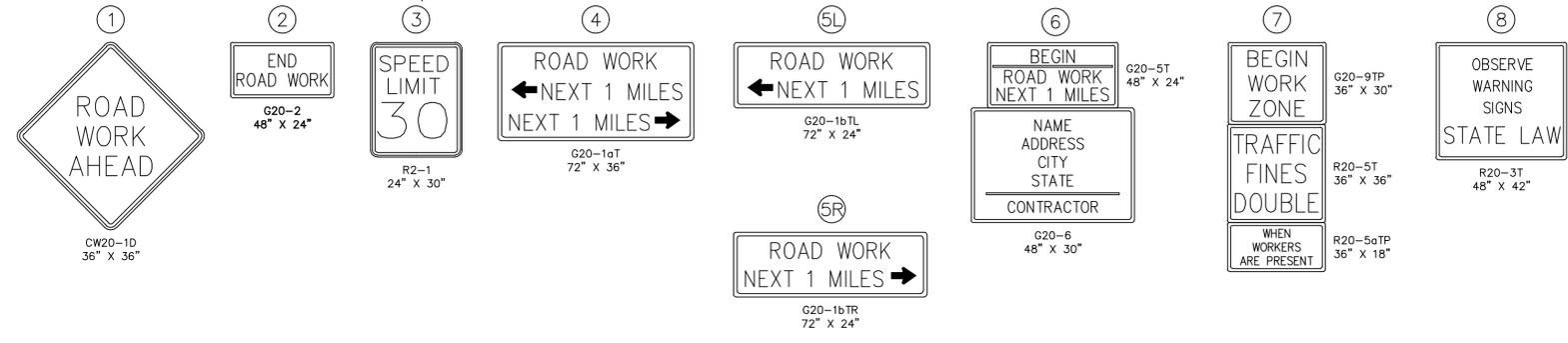
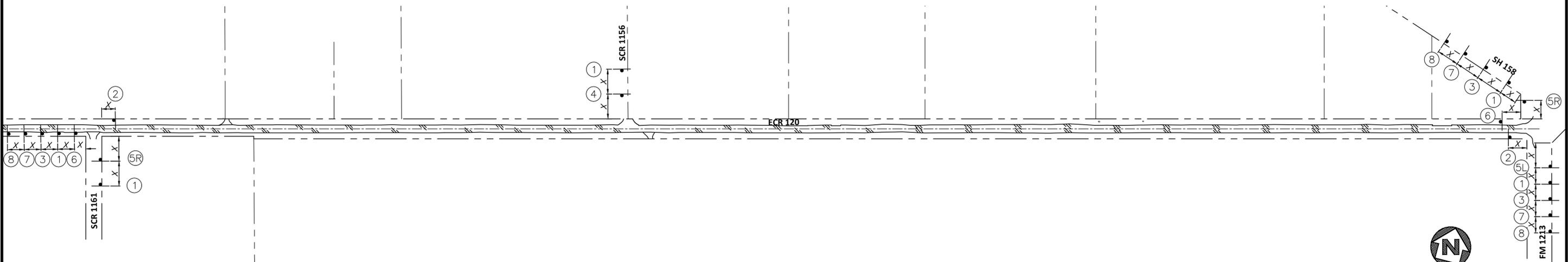
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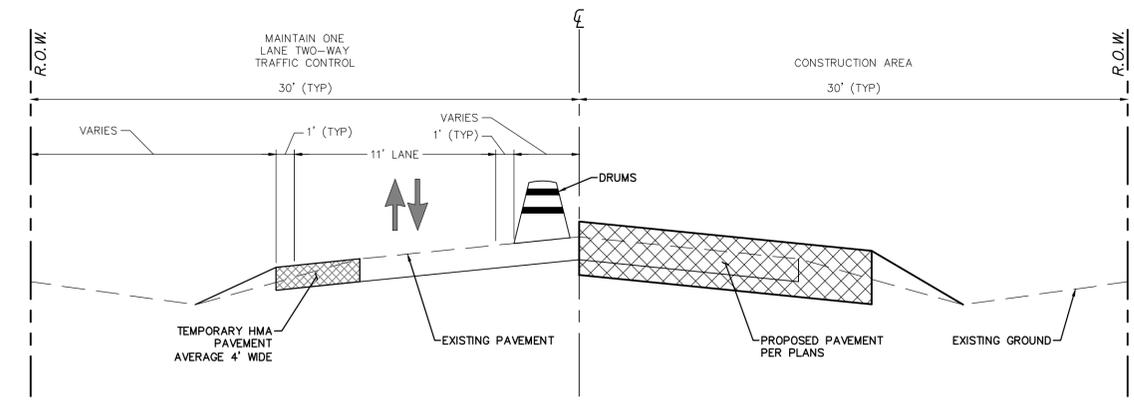
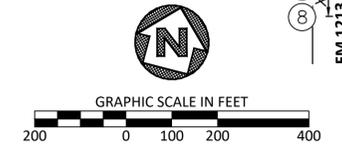
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BENCHMARK:
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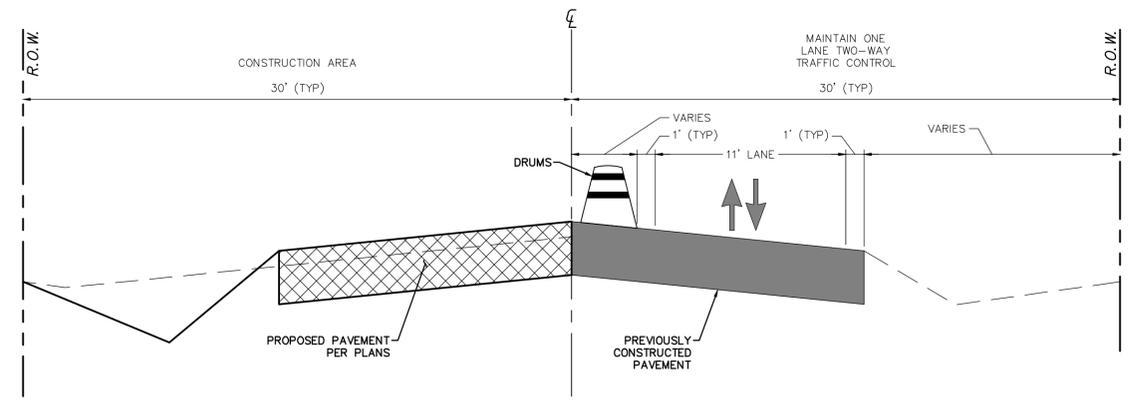
TRAFFIC CONTROL PLAN - PHASE 4



- GENERAL TRAFFIC CONTROL NOTES:**
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TCP PHASE 4a
NOT TO SCALE

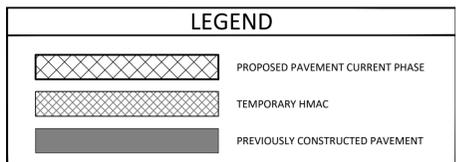


TCP PHASE 4b
NOT TO SCALE

- NOTES:**
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 3. TEMPORARY HMA PAVEMENT SHALL NOT REQUIRE MATERIALS TESTING.

- SUGGESTED SEQUENCE OF WORK**
- TCP PHASE 4a TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANE TO LEFT SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON RIGHT SIDE.
 3. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- TCP PHASE 4b TRAFFIC:**
1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 2. INSTALL ONE LANE, TWO-WAY TRAFFIC CONTROL. SHIFT TRAFFIC LANE TO RIGHT SIDE TO ALLOW FOR CONSTRUCTION OPERATIONS ON LEFT SIDE.
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 3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT ON LEFT SIDE.
 4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
 5. COMPLETE CLEAN UP.



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 FILENAME: TRAFFIC CONTROL PLAN.dwg
 PLOTTED BY: Ashraf Adnan
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
JAS	DRAWN
BWA	BWA
	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	1"=200'
HORIZ	N/A
VERT	N/A
DATE	JUNE 2022



MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**TRAFFIC CONTROL PLAN
PHASE 4**

DA PROJECT	B005664.001
SHEET	18



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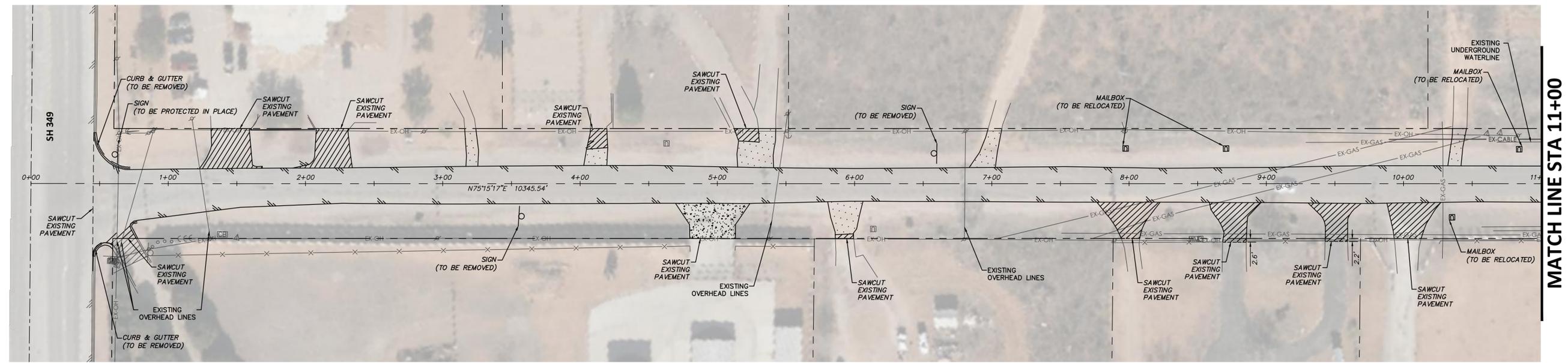
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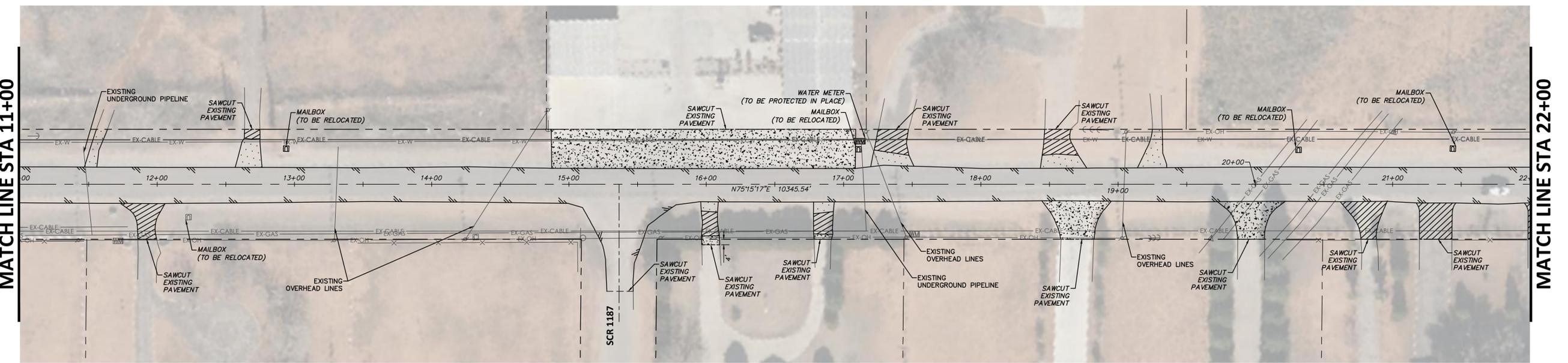
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BENCHMARK:
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EAST COUNTY ROAD 120



MATCH LINE STA 11+00



MATCH LINE STA 11+00

MATCH LINE STA 22+00



NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
AJA
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
N/A
DATE
JUNE
2022

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

STATE OF TEXAS
JESSICA A. SCHUTTNER
132068
PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS
OVERALL ROADWAY STATIONING
STA 0+00 TO 22+00

DA PROJECT
B005664.001
SHEET
19

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FILENAME: OVERALL ROADWAY STATIONING.dwg
PLOTTER: HP DesignJet 5000
PLOT DATE: 06/13/2022



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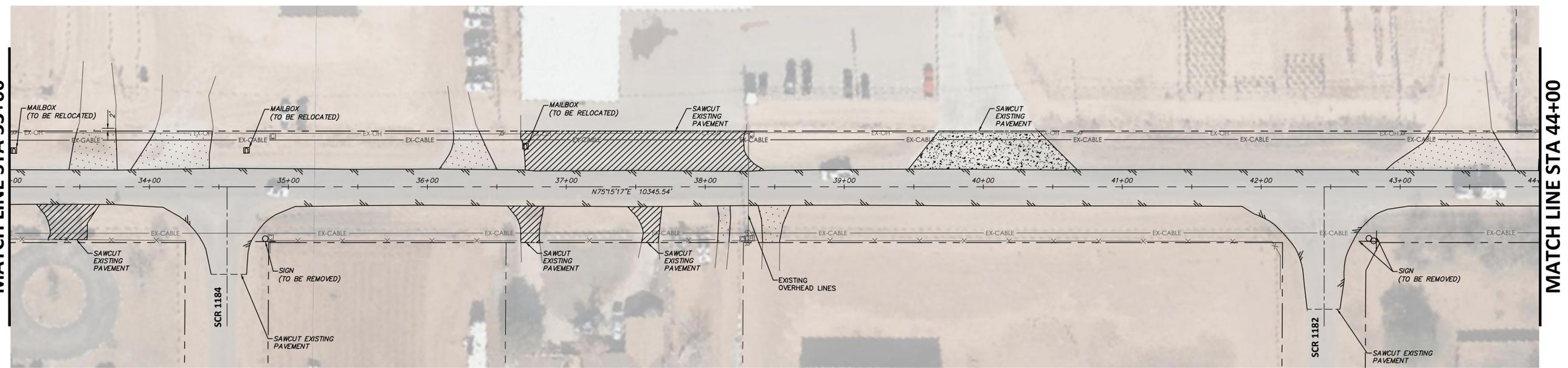
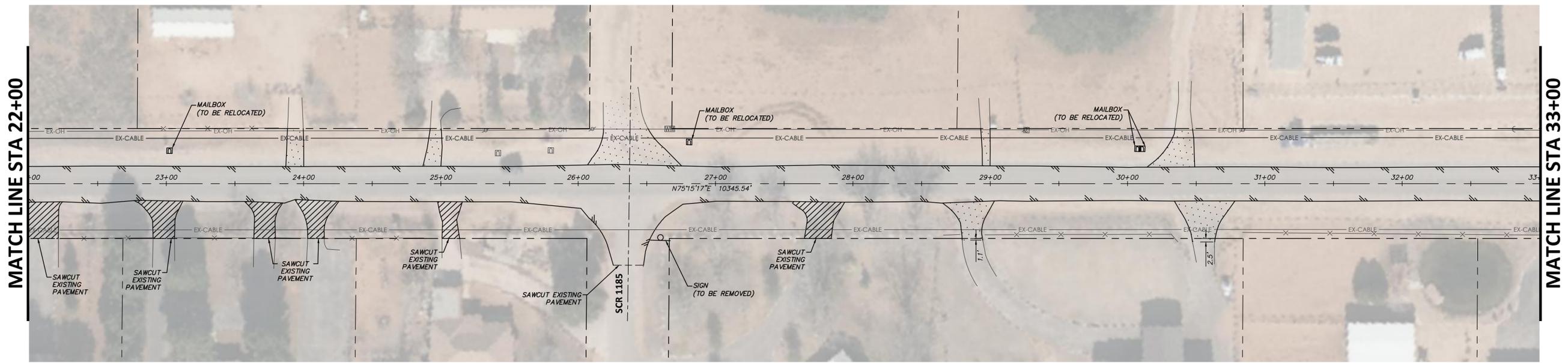
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EAST COUNTY ROAD 120



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 PLOTTED BY: Alaina Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
AJA	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ
	1" = 40'
	VERT
	N/A
	DATE
	JUNE
	2022

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
EAST COUNTY ROAD 120 - PHASE I	B005664.001
MIDLAND COUNTY, TEXAS	SHEET
OVERALL ROADWAY STATIONING	20
STA 22+00 TO 44+00	



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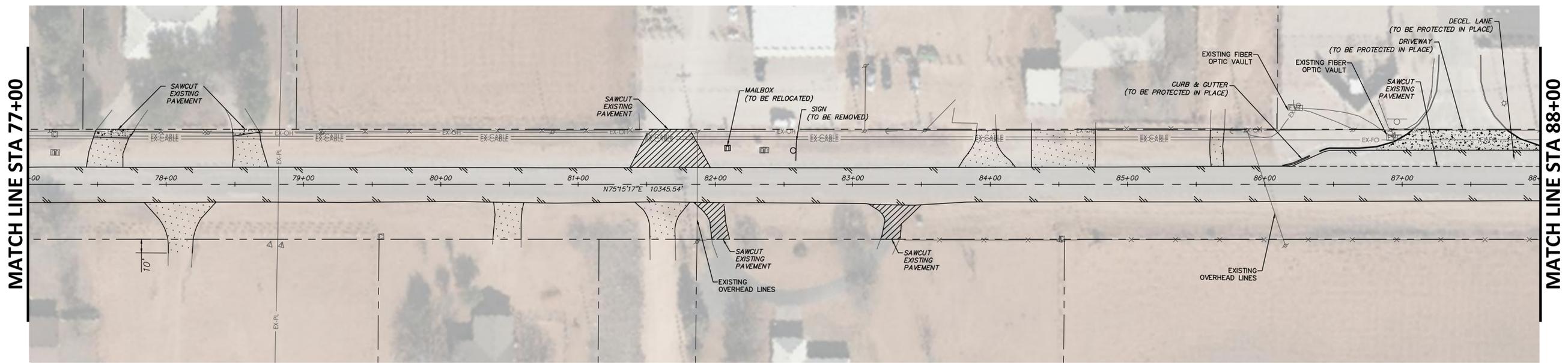
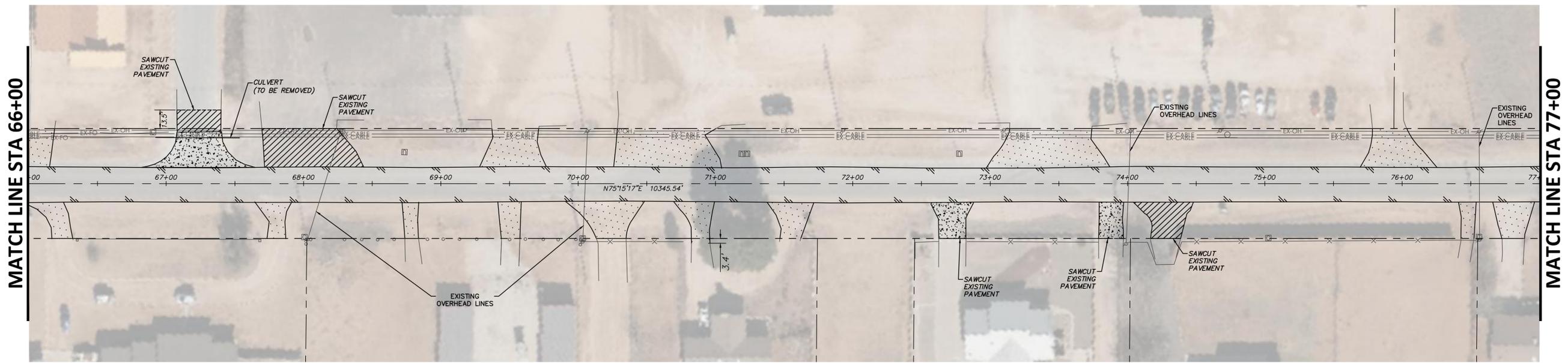
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EAST COUNTY ROAD 120



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 PLOTTED BY: Alissa Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
AJA	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE	1" = 40'
HORIZ	N/A
VERT	N/A
DATE	JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS
**OVERALL ROADWAY STATIONING
 STA 66+00 TO 88+00**

DA PROJECT
 B005664.001
 SHEET
22



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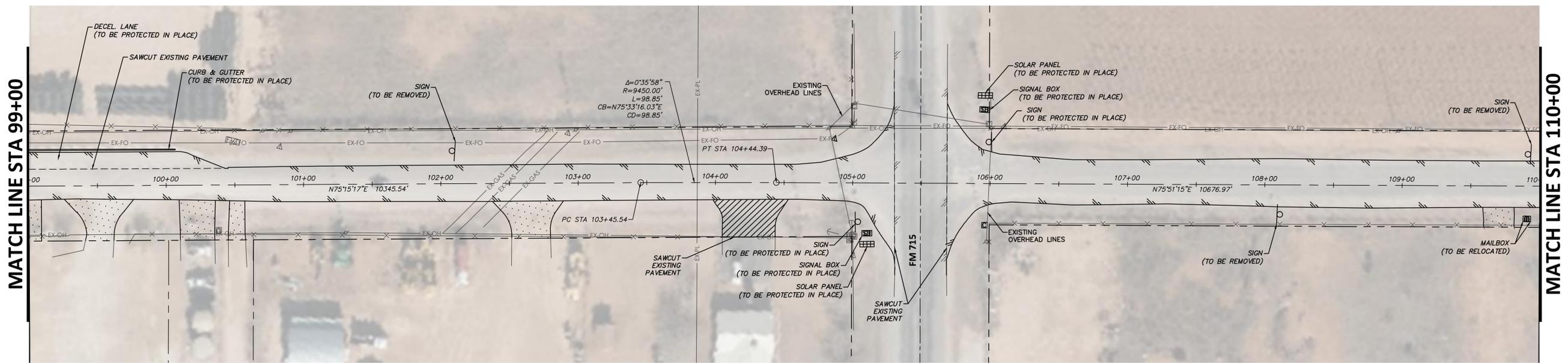
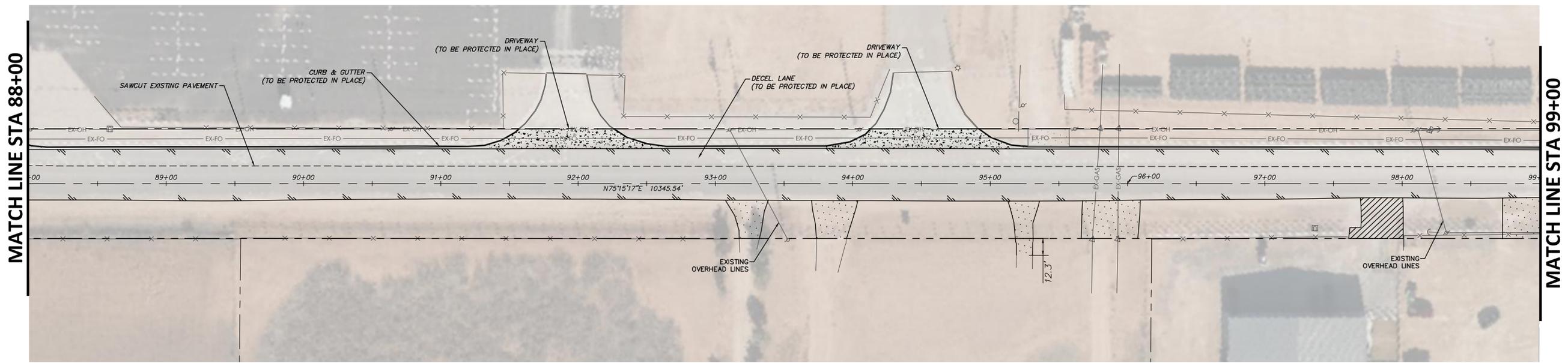
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EAST COUNTY ROAD 120



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 PLOTTED BY: Alaina Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
AJA	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	1" = 40'
HORIZ	N/A
VERT	N/A
DATE	JUNE 2022

DUNAWAY
 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
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MIDLAND COUNTY PRECINCT 2	DA PROJECT B005664.001
EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	SHEET
OVERALL ROADWAY STATIONING STA 88+00 TO 110+00	23



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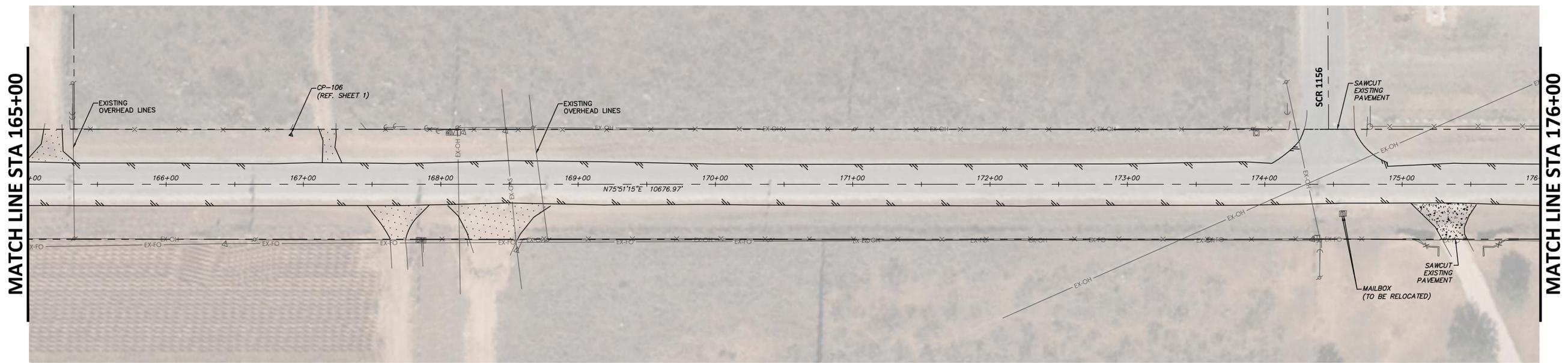
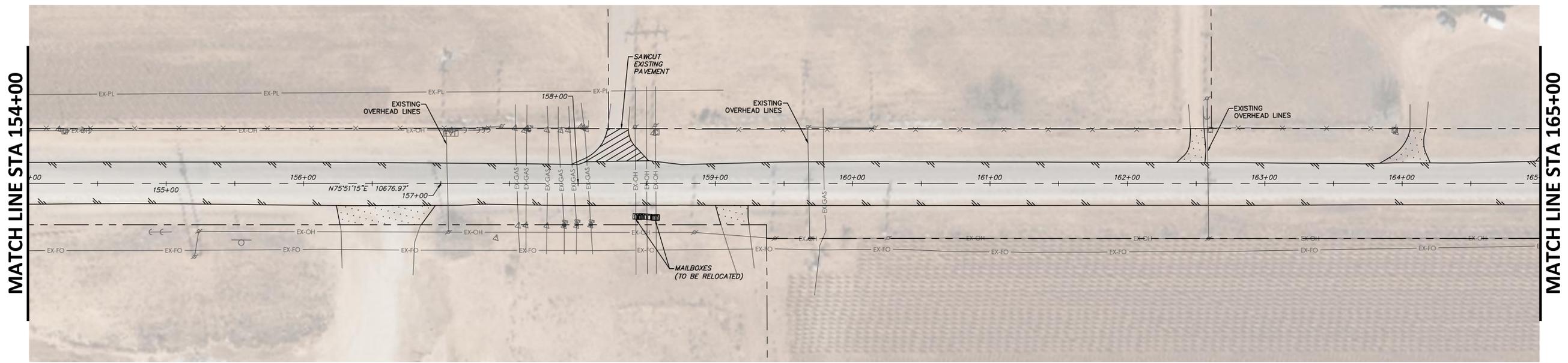
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EAST COUNTY ROAD 120



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 PLOTTED BY: Aileen Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
AJA	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JUNE 2022

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 Tel: 432.699.4889
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STATE OF TEXAS
 JESSICA A. SCHUTTNER
 LICENSE NO. 132068
 PROFESSIONAL ENGINEER
 06/13/2022

MIDLAND COUNTY PRECINCT 2	DA PROJECT	B005664.001
EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	SHEET	26
OVERALL ROADWAY STATIONING STA 154+00 TO 176+00		



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.

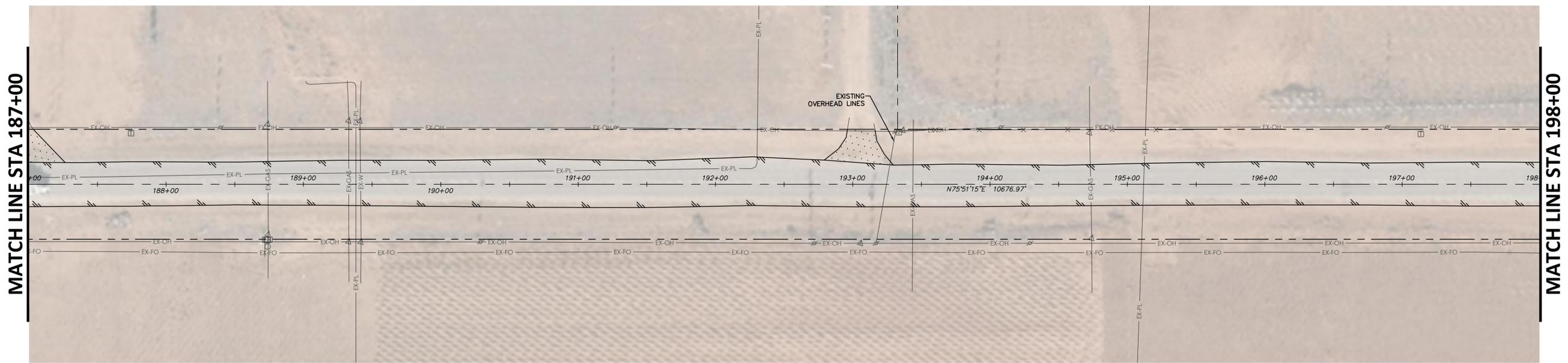
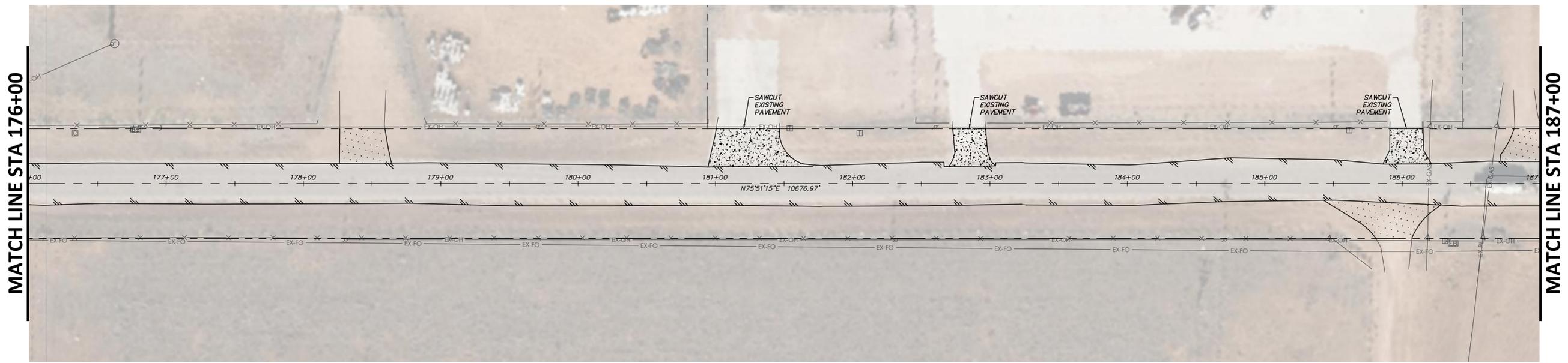
CRITICAL:
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BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

EAST COUNTY ROAD 120



FULL PATH: G:\Production\4000\005664\001\CAD\Drawings\Phase\Sheet\Overall Roadway Stationing.dwg
 FILENAME: OVERALL ROADWAY STATIONING.dwg
 PLOTTED BY: Abner Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE

RVG	CHECKED
DESIGNED	
AJA	
DRAWN	
JAS	

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	1" = 40'
VERT	N/A
DATE	JUNE 2022

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 B005664.001
EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	SHEET
OVERALL ROADWAY STATIONING STA 176+00 TO 198+00	27



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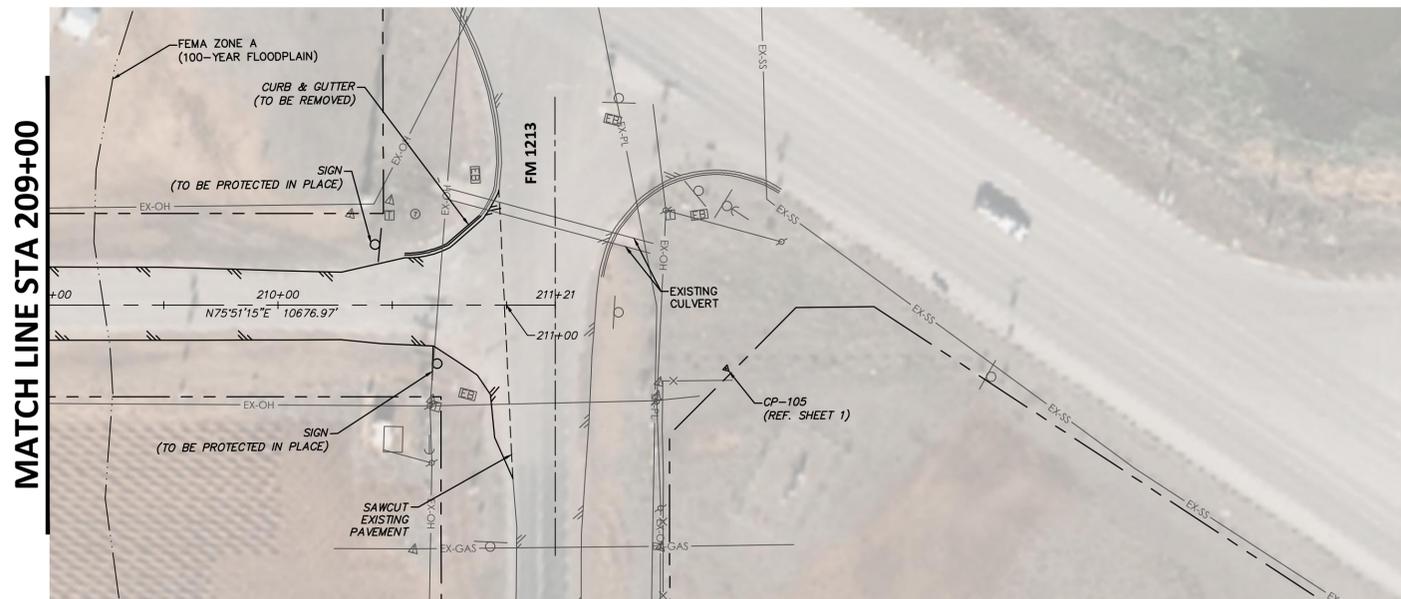
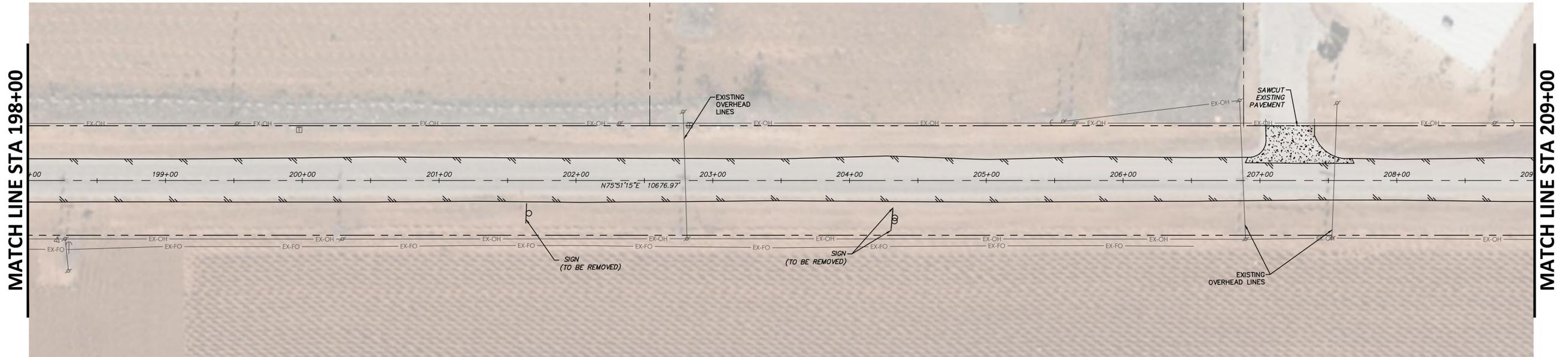
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BENCHMARK:

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EAST COUNTY ROAD 120



FULL PATH: G:\Production\4000\0605664\001\CAD\Drawings\Phase\Sheet\01\Overall\ROADWAY STATIONING.dwg

FILENAME: OVERALL ROADWAY STATIONING.dwg
PLOTTER BY: Albro Adams
PLOT DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
AJA	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JUNE 2022

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 B005664.001
EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	SHEET
OVERALL ROADWAY STATIONING STA 198+00 TO END	28



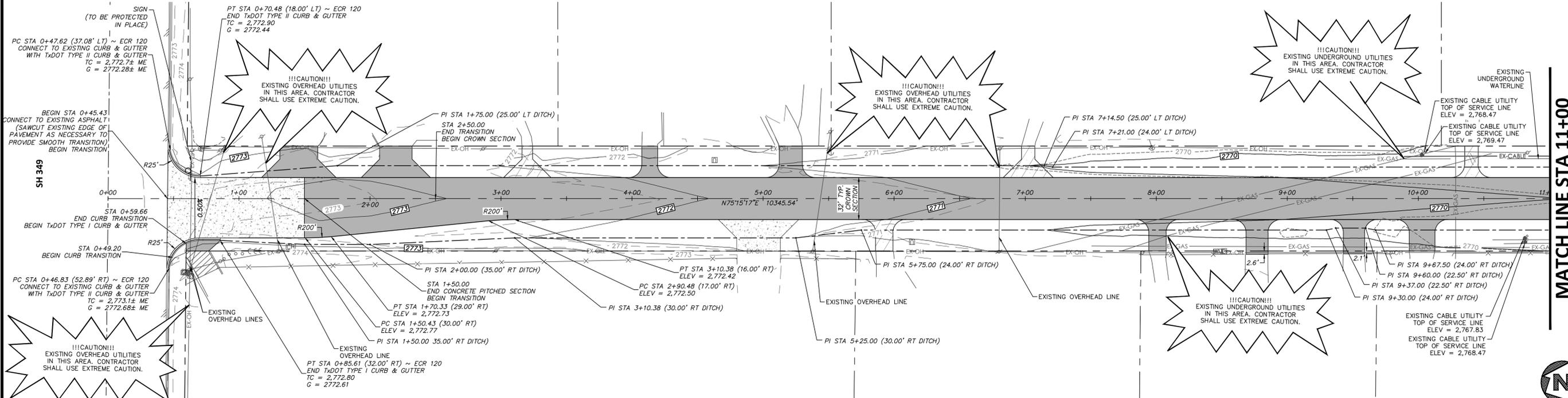
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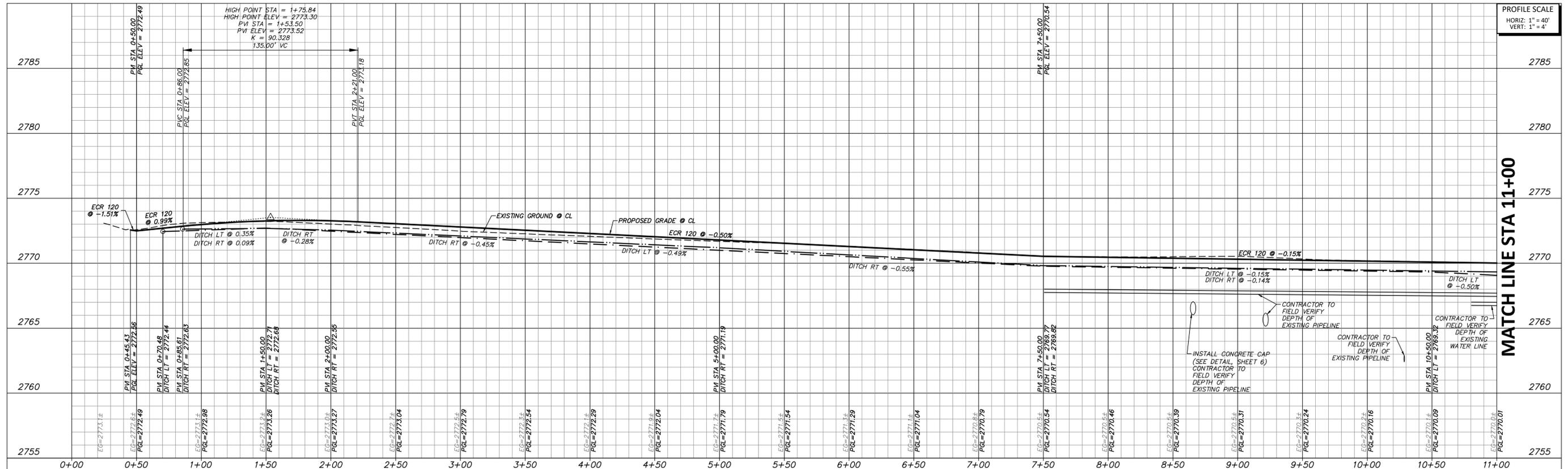
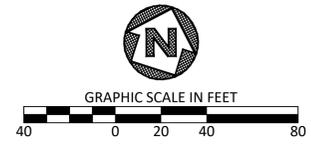
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EAST COUNTY ROAD 120



FILE PATH: G:\Production\4000\0605601666\001\CAD\Drawings\Plan\Sheet\0605601666.dwg
 PLOT DATE: 06/13/2022
 PLOTTED BY: Allison Adams
 PLOTTED AT: 5:08:39 PM

NO.	REVISION	BY	DATE	CHECKED
		RVG		DESIGNED
		RVG		DRAWN
		JAS		

**MIDLAND COUNTY
MIDLAND, TEXAS**

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

DATE
JUNE 2022

DUNAWAY

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

STATE OF TEXAS
132068
JESSICA A. SCHULTZ
PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

PLAN AND PROFILE
STA 0+00 TO 11+00

DA PROJECT
B005664.001

SHEET
29



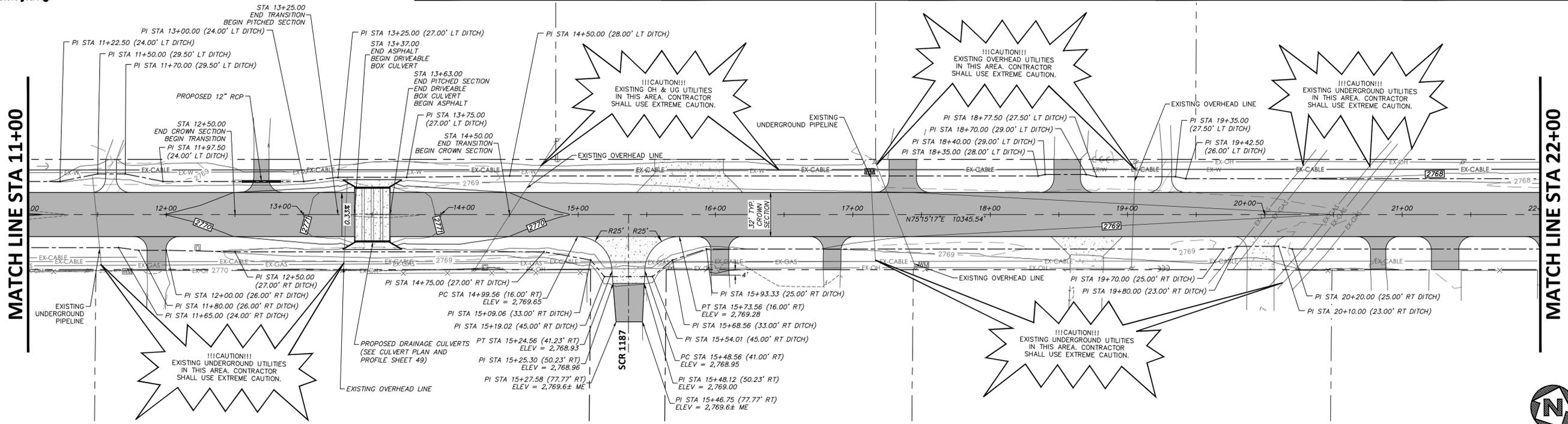
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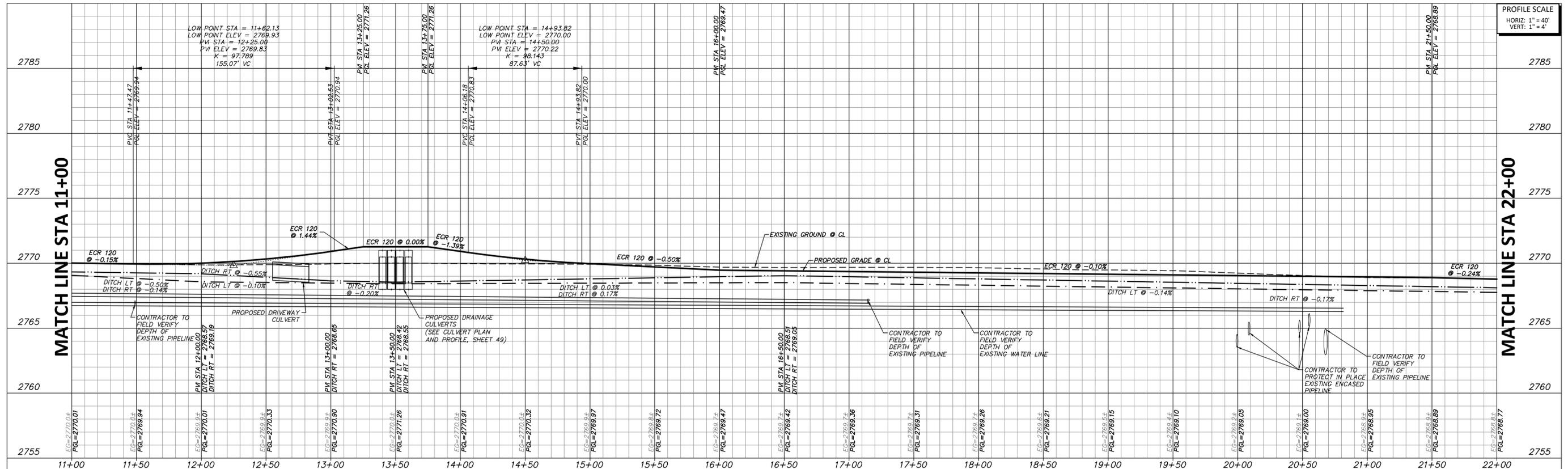
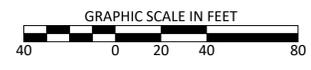
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SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



EAST COUNTY ROAD 120



FILE PATH: G:\Production\4000\0605664\001\CAD\Drawings\Plan\Sheet\0605664.dwg
 PLOTTER: HPGL-RT-2
 PLOTTED BY: ARIAN ADAMS
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG DESIGNED
 RVG DRAWN
 JAS CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1" = 40'
	VERT 1" = 4'
DATE	JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 11+00 TO 22+00**

DA PROJECT	B005664.001
SHEET	30



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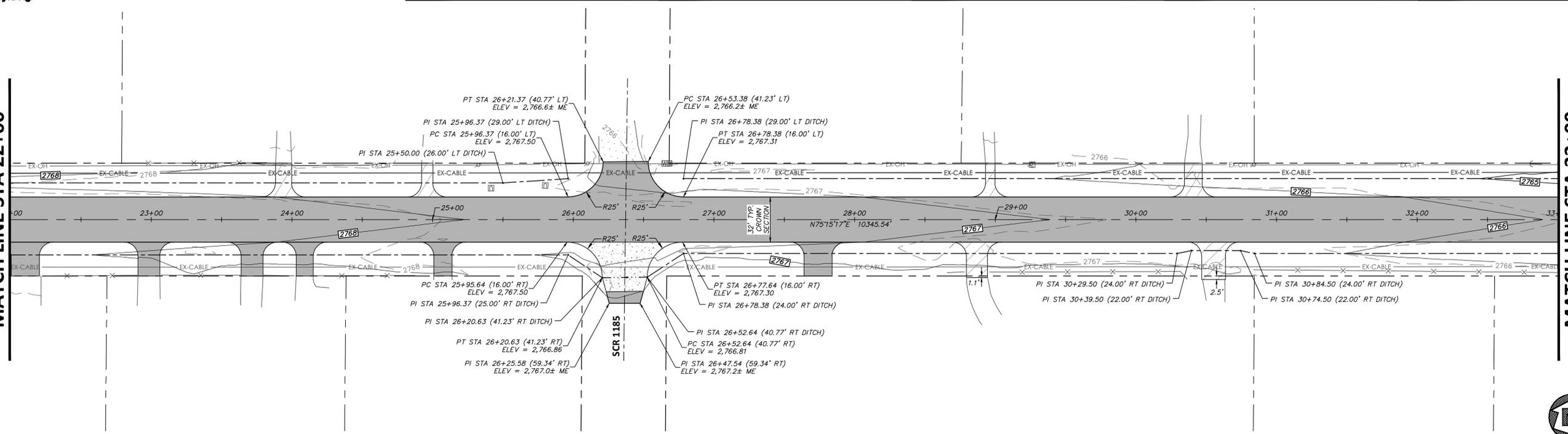
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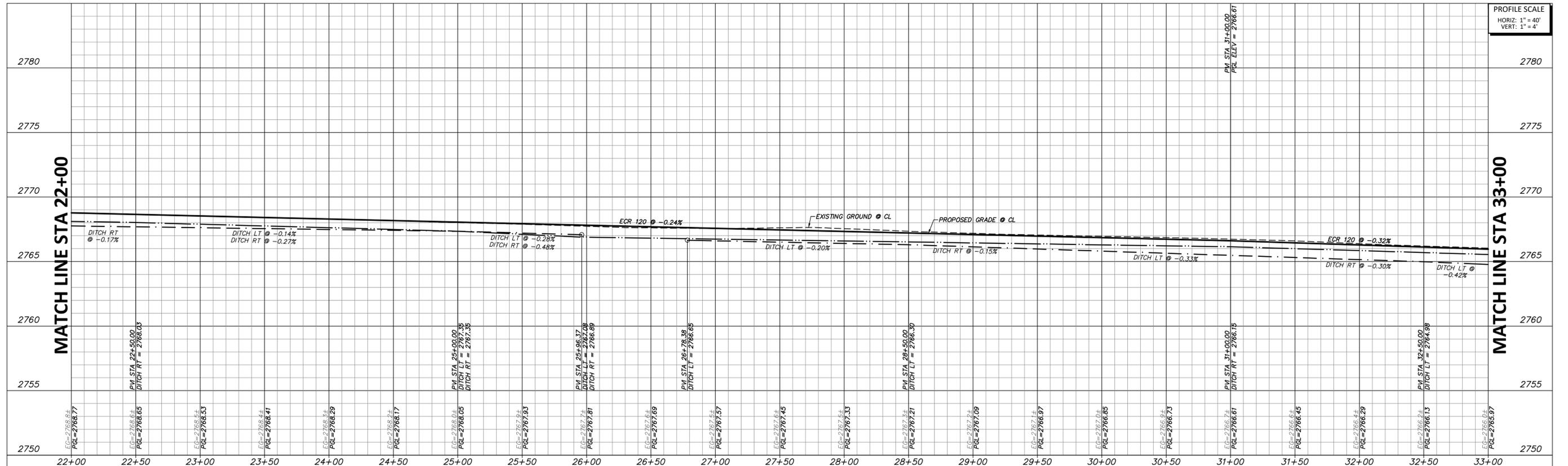
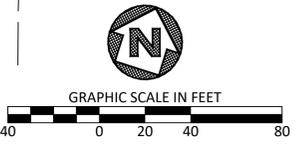
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 22+00

MATCH LINE STA 33+00



EAST COUNTY ROAD 120



FILE PATH: G:\Production\4000\060500\060500.dwg
 PLOTTER: HP DesignJet 5000
 PLOTTED AT: 06/13/2022 10:02 AM

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

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

DA PROJECT
B005664.001

SHEET
31



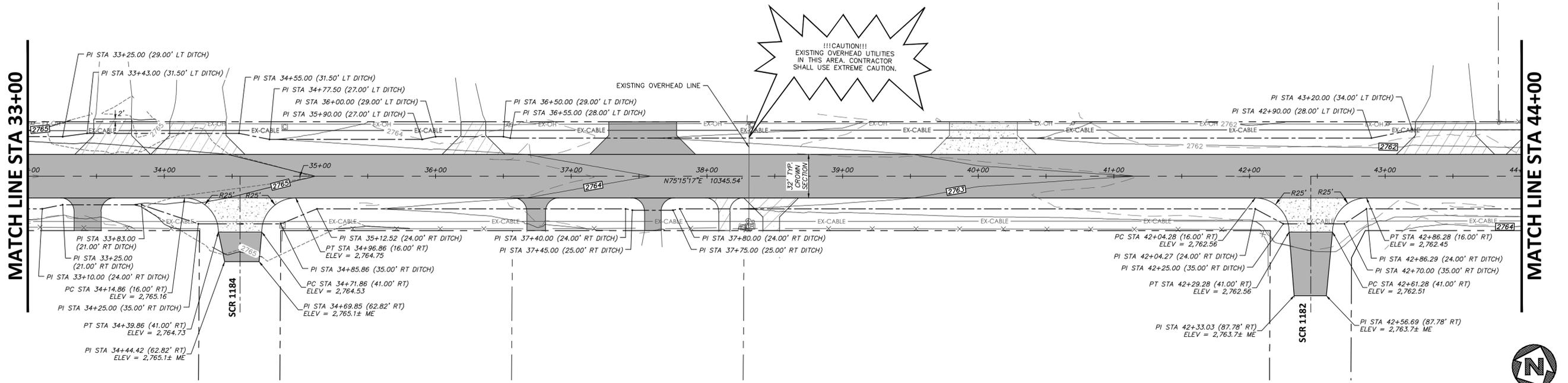
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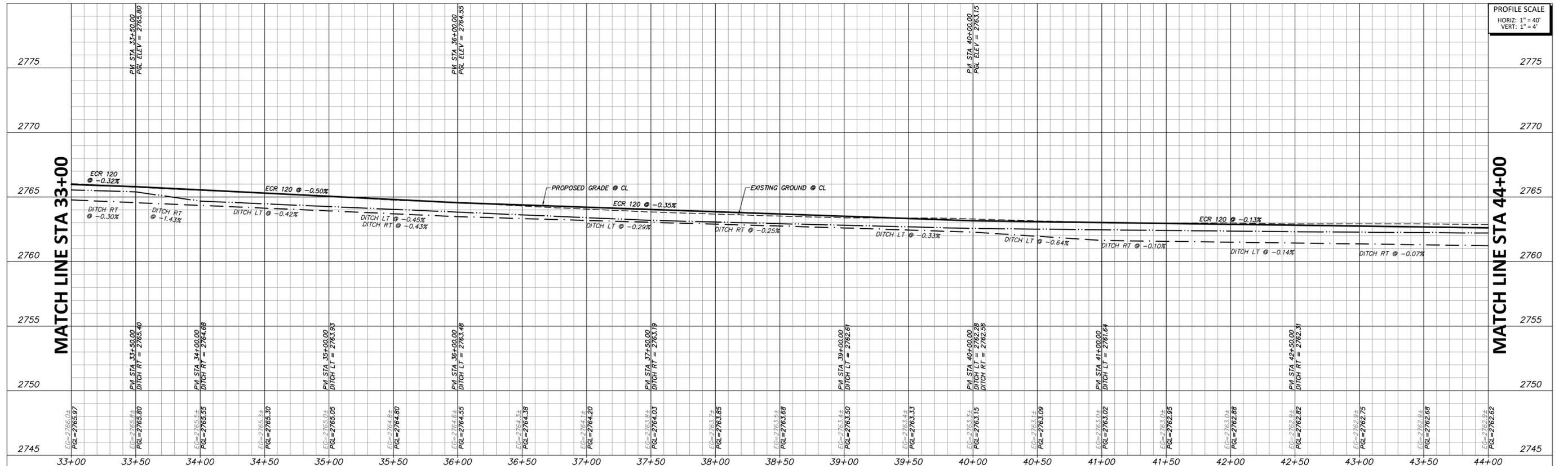
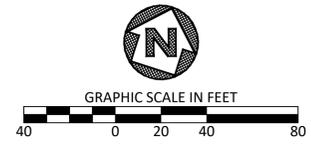
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EAST COUNTY ROAD 120



FILE PATH: G:\Production\4000\060600\060600\01\01\Drawings\Plan\Sheet\060600_Plan.dwg
 PLOTTER: HP DesignJet 5000
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG DESIGNED
 RVG DRAWN
 JAS CHECKED
**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE
 HORIZ 1" = 40'
 VERT 1" = 4'
 DATE
 JUNE 2022

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

Jessica A. Schuttler
 06/13/2022

MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS
**PLAN AND PROFILE
 STA 33+00 TO 44+00**

DA PROJECT
 B005664.001
 SHEET
32



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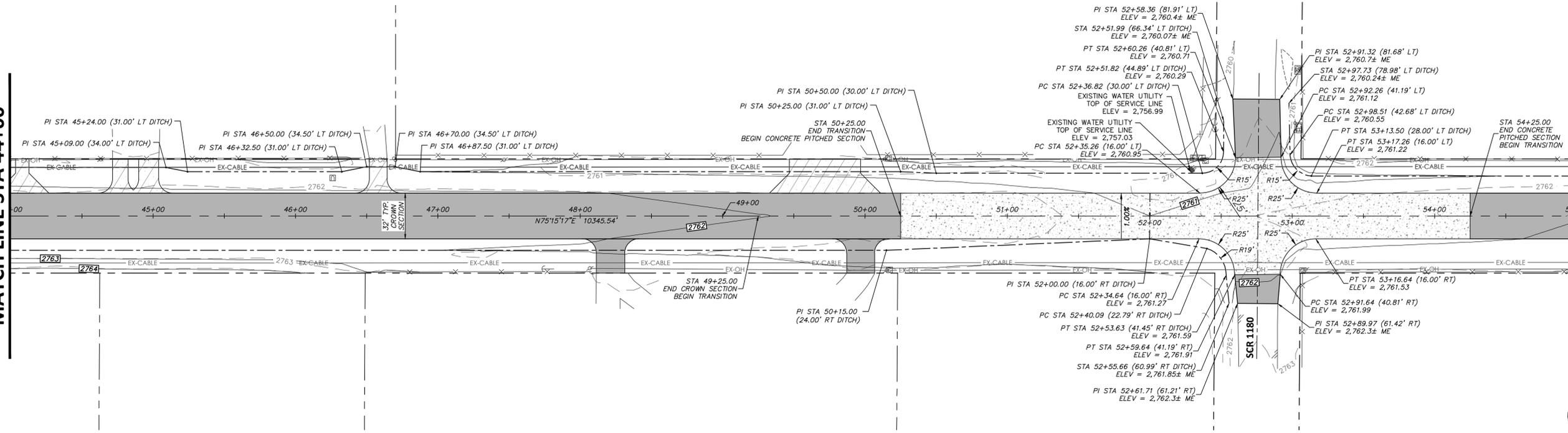
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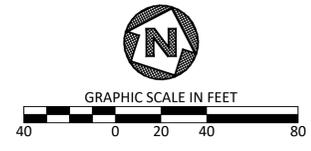
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 44+00

MATCH LINE STA 55+00

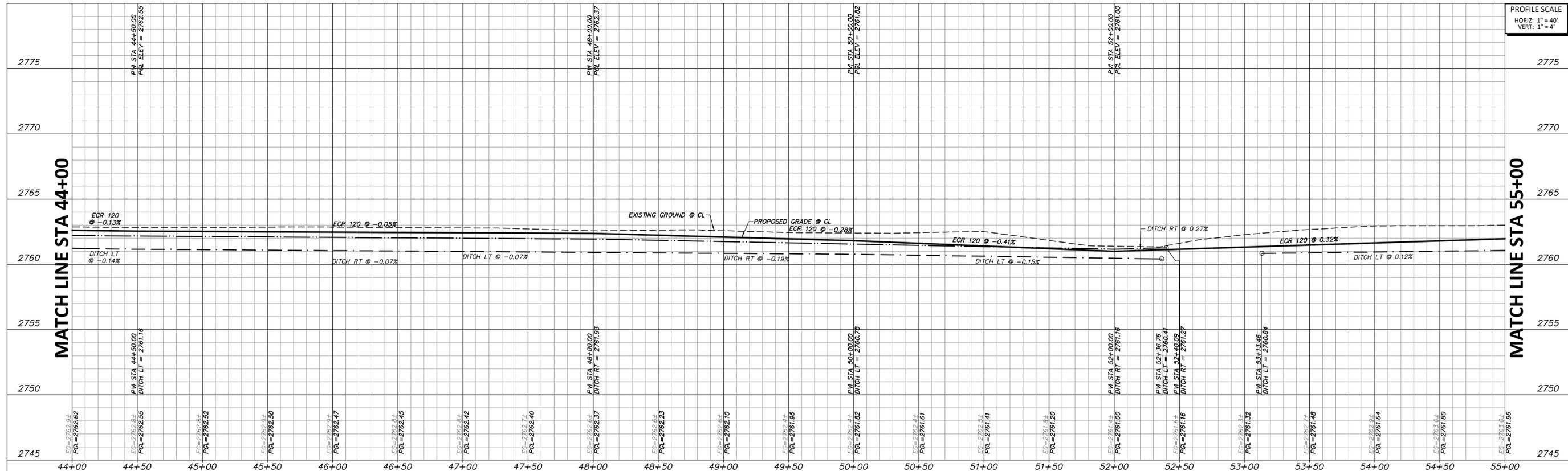


EAST COUNTY ROAD 120



MATCH LINE STA 44+00

MATCH LINE STA 55+00



FILE PATH: G:\Production\4000\005664001\001\Drawings\Plan\Sheet\0010.Plot.dwg
PLOTTER: HP DesignJet 5000
PLOT DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 44+00 TO 55+00**

DA PROJECT
B005664.001

SHEET
33



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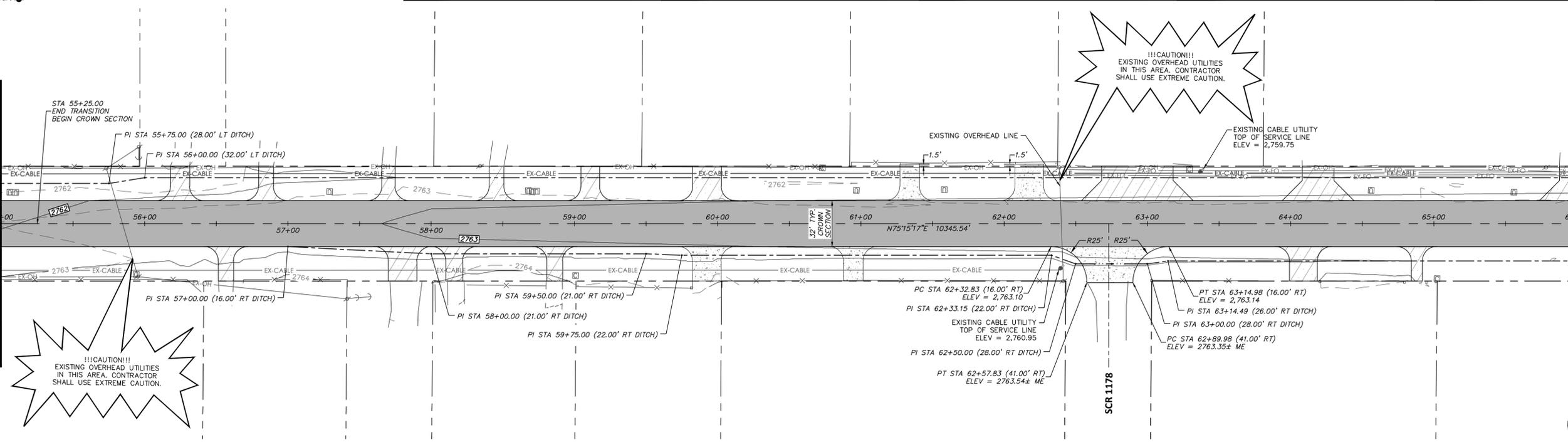
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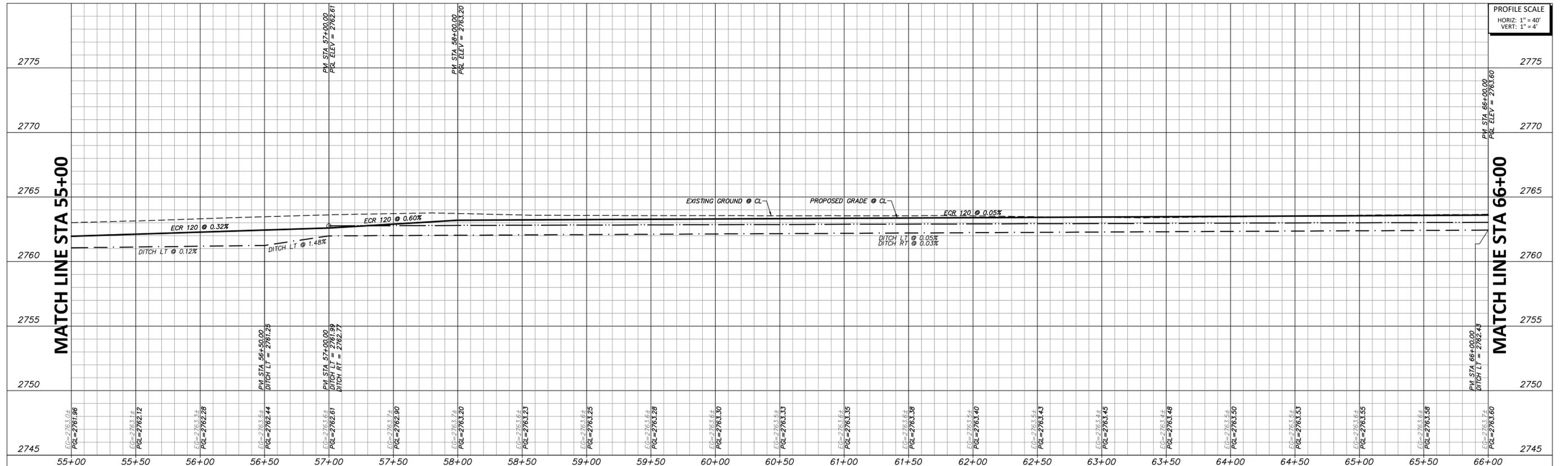
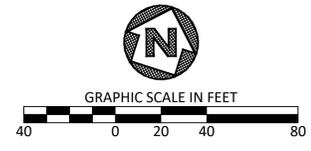
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 55+00

MATCH LINE STA 66+00



EAST COUNTY ROAD 120



FILE PATH: G:\Production\4000\060600\060600\01\01\Drawings\Plan\Sheet\060600_P06.dwg
 PLOTTER: HP DesignJet 5000
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

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

DA PROJECT
B005664.001

SHEET
34



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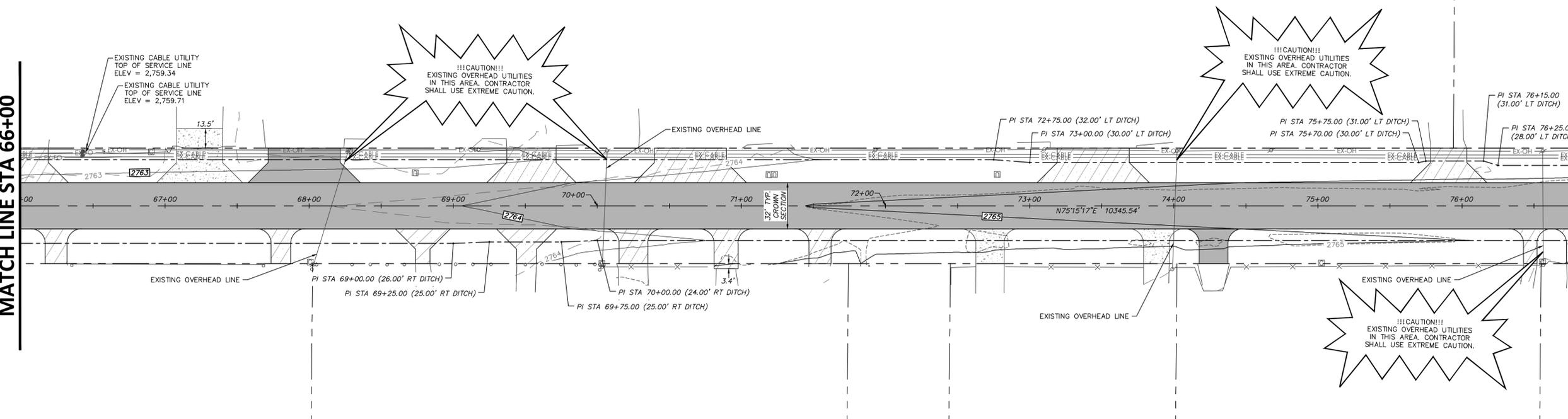
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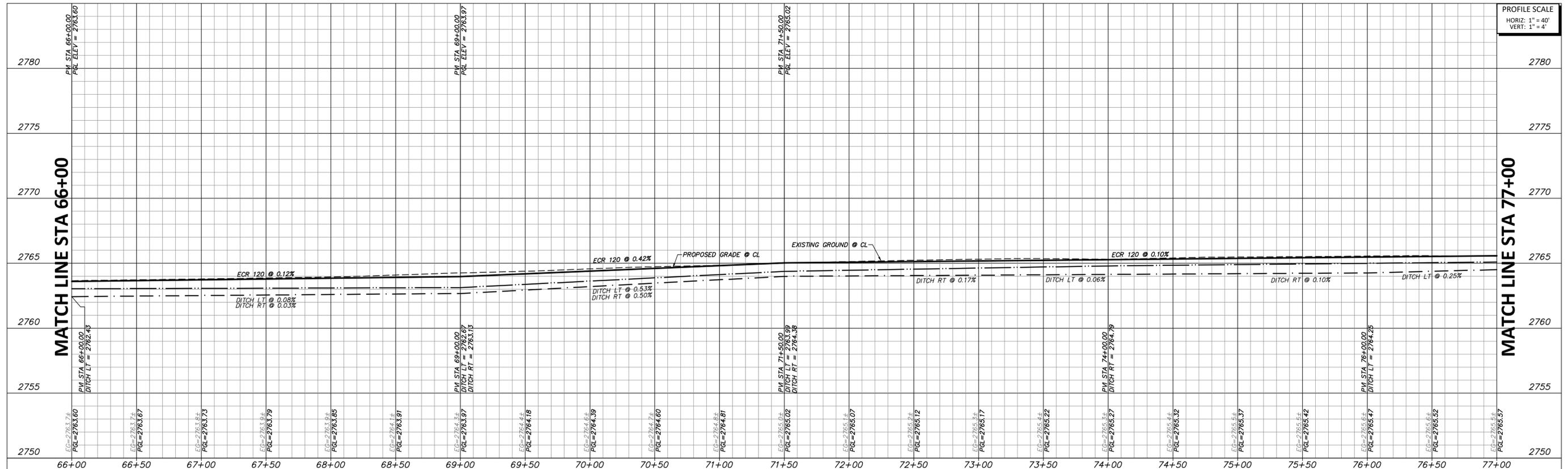
BENCHMARK:
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MATCH LINE STA 66+00

MATCH LINE STA 77+00



EAST COUNTY ROAD 120



FULL PATH: G:\Production\4000\060600\060600\001\Civil\Drawings\Plan\Sheet\060600_Plan.dwg
 PLOTTER: HPGL PLOTTER
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
DATE
JUNE 2022

SCALE
HORIZ
1" = 40'
VERT
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DATE
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DUNAWAY
4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705
Tel: 432.699.4889
[TX REG. F-1114]

STATE OF TEXAS
JESSICA A. SCHUTTNER
132068
PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS
**PLAN AND PROFILE
STA 66+00 TO 77+00**

DA PROJECT
B005664.001
SHEET
35



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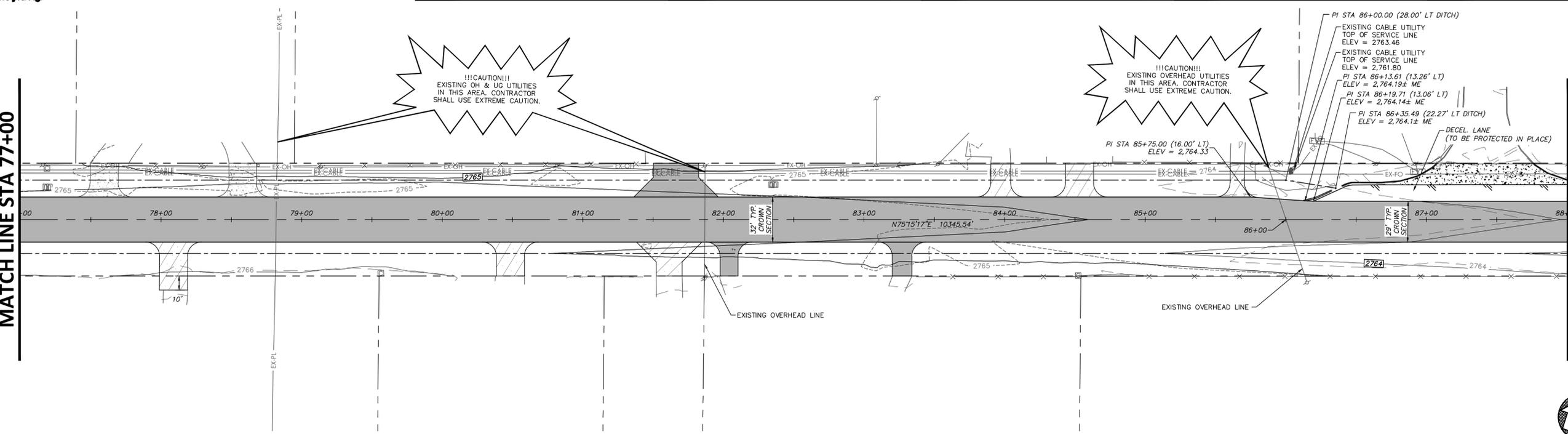
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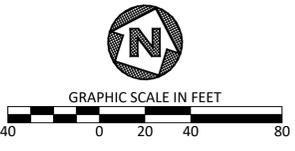
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 77+00

MATCH LINE STA 88+00

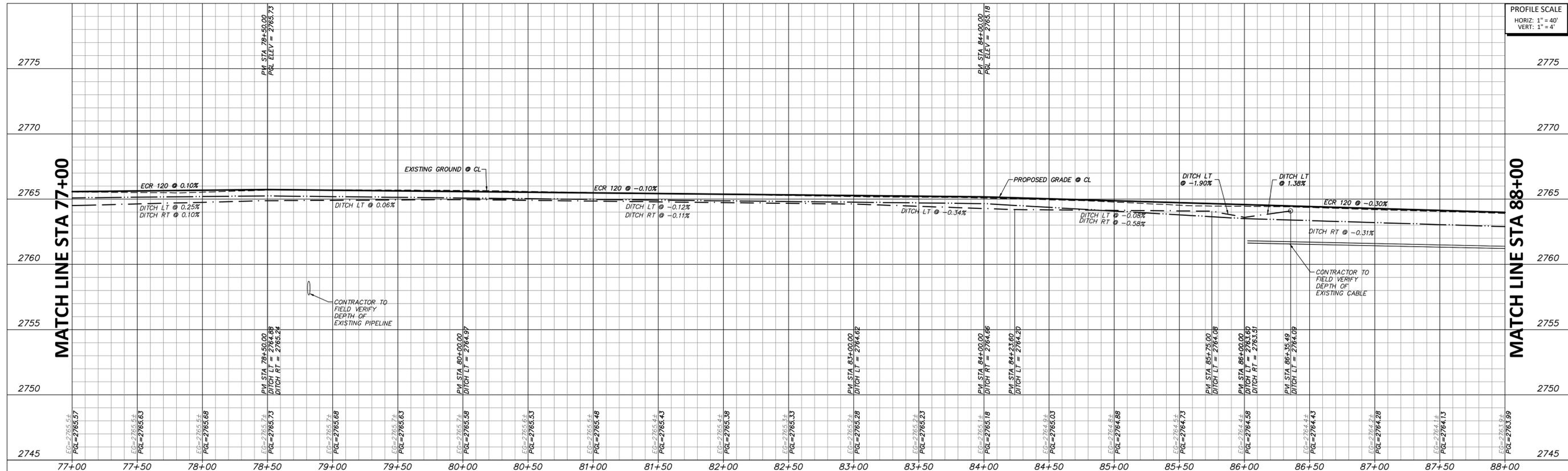


EAST COUNTY ROAD 120



MATCH LINE STA 77+00

MATCH LINE STA 88+00



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

FILE PATH: G:\Production\4000\060600\060600\001\Civil\Drawings\Plan sheets\060600_Plan.dwg
PLANNER: ASB, PLS, JAS
PLOTTER: Alton Adams
PLOT DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1" = 40'
	VERT 1" = 4'
DATE	JUNE 2022

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

STATE OF TEXAS
JESSICA A. SCHUTTNER
132068
PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 77+00 TO 88+00**

DA PROJECT
B005664.001

SHEET
36



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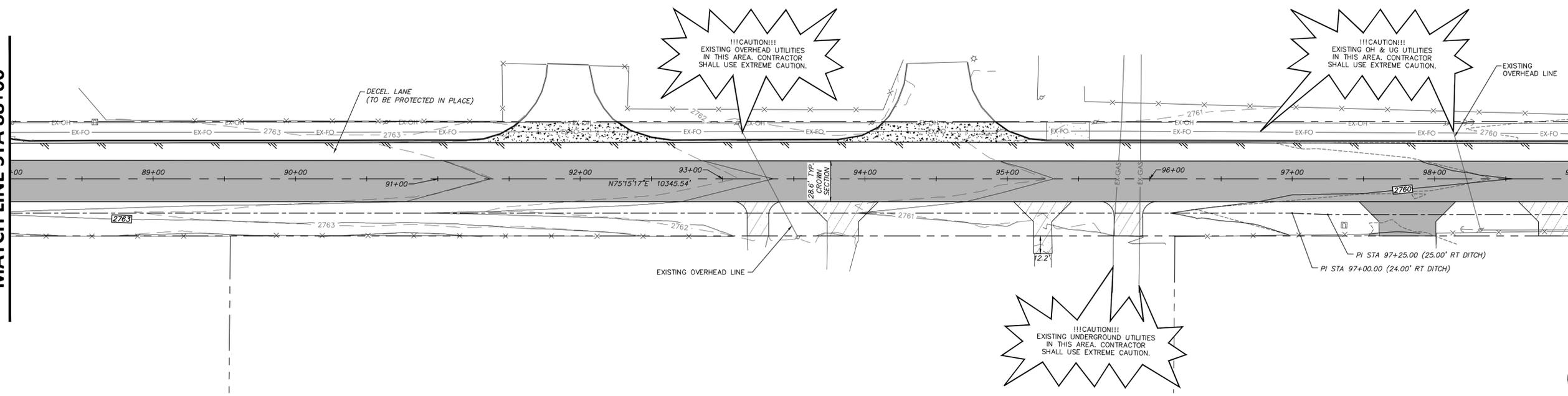
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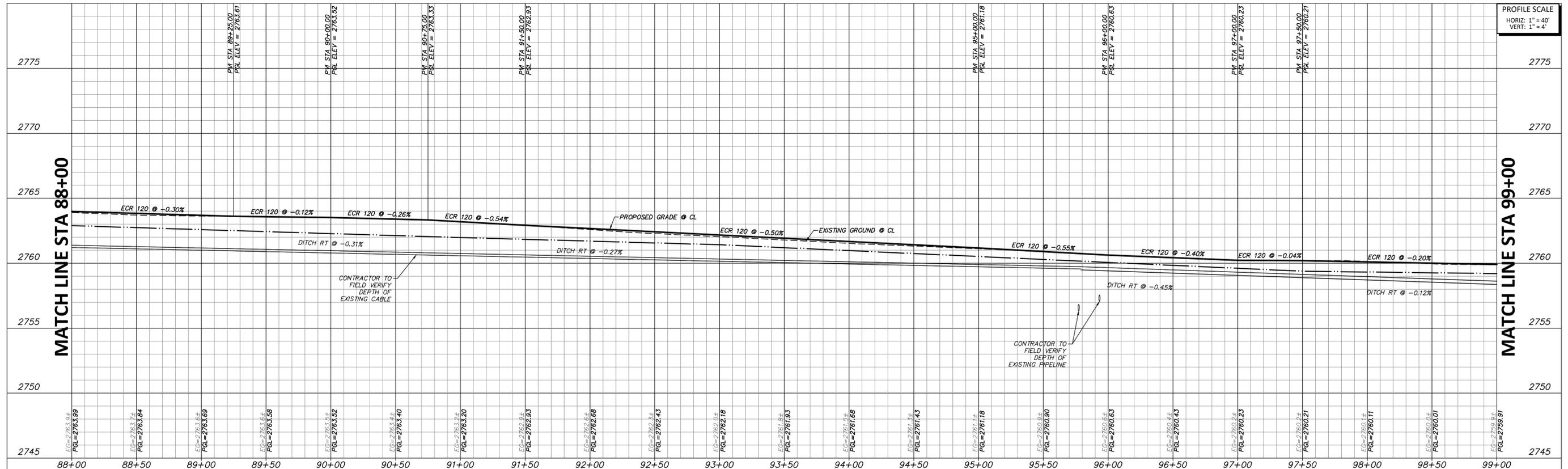
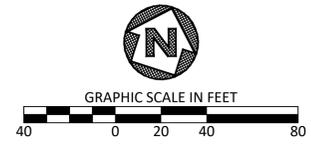
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 88+00

MATCH LINE STA 99+00



EAST COUNTY ROAD 120



FULL PATH: G:\Production\4000\0605664\001\Civil\Drawings\Plan\Sheet\0605664.dwg
 FILENAME: 0605664.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
DATE
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

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

DA PROJECT
B005664.001

SHEET
37



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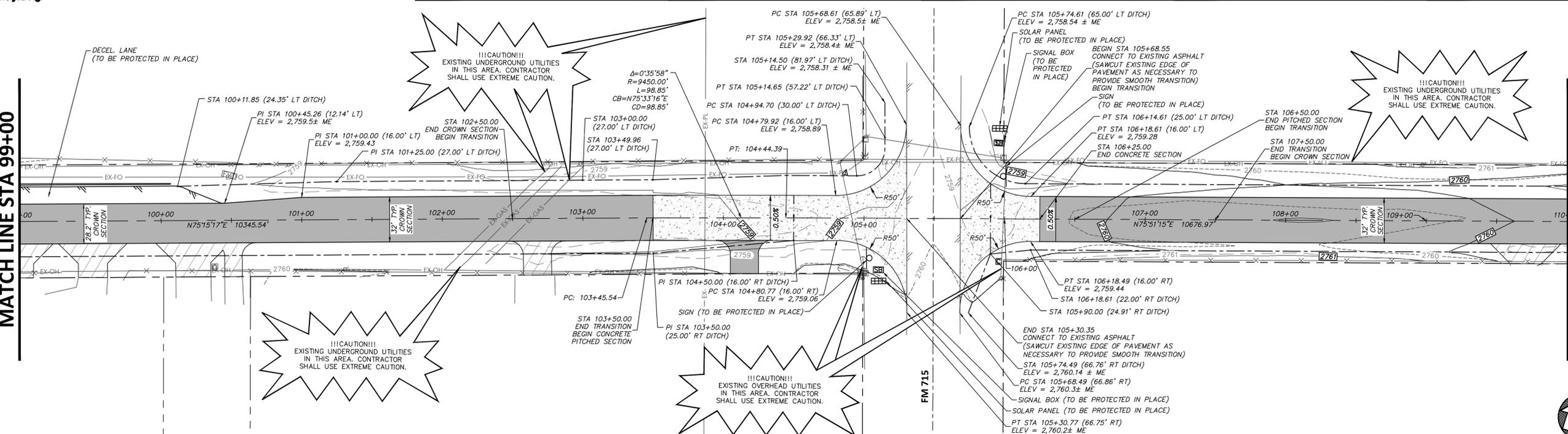
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BENCHMARK:

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 99+00

MATCH LINE STA 110+00

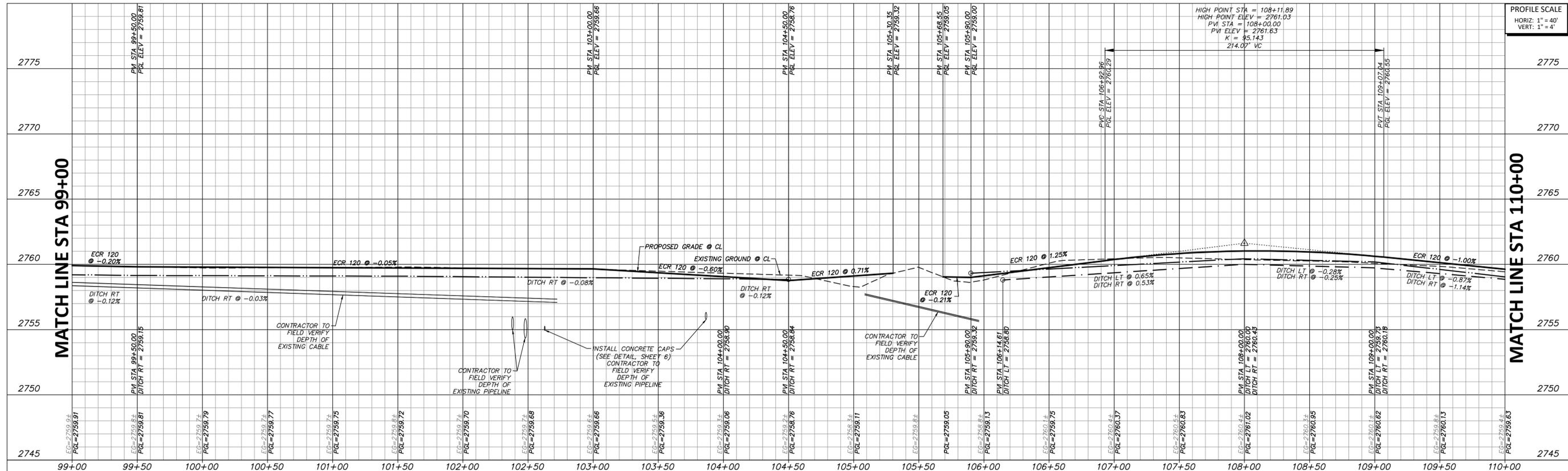


EAST COUNTY ROAD 120



MATCH LINE STA 99+00

MATCH LINE STA 110+00



FILE PATH: G:\Production\4000 105660106661001\CAD\Drawings\Plan\Sheet\0600_Plan.dwg

FILE NAME: 0600_Plan.dwg
PLOTTER: Alnor Adams
PLOT DATE: 06/13/2022
PLOT TIME: 5:11:59 PM

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED

RVG
DRAWN

JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1" = 40'
	VERT 1" = 4'
DATE	JUNE 2022

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 99+00 TO 110+00**

DA PROJECT	B005664.001
SHEET	38



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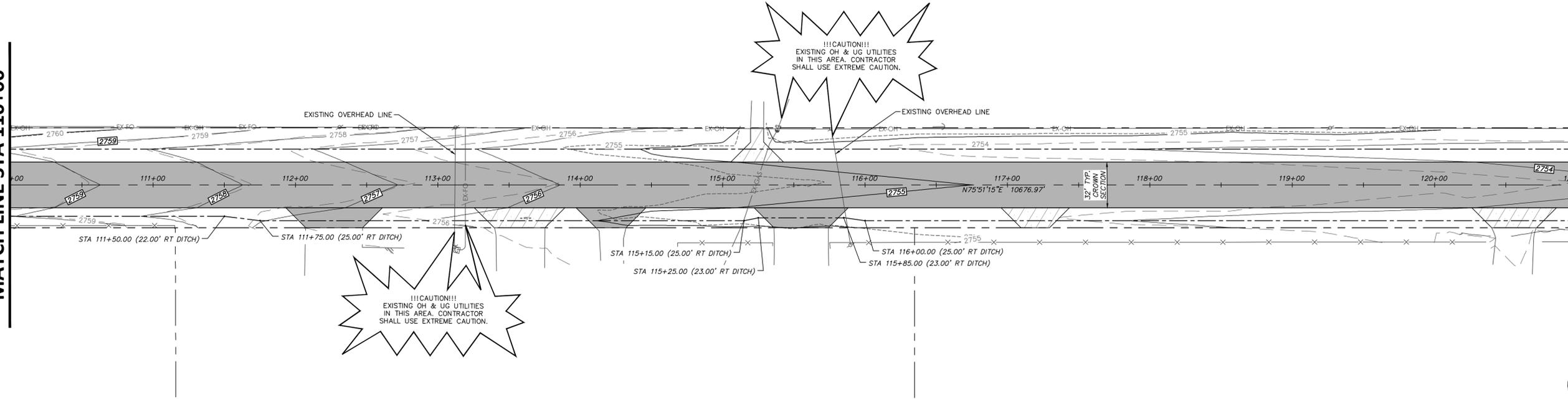
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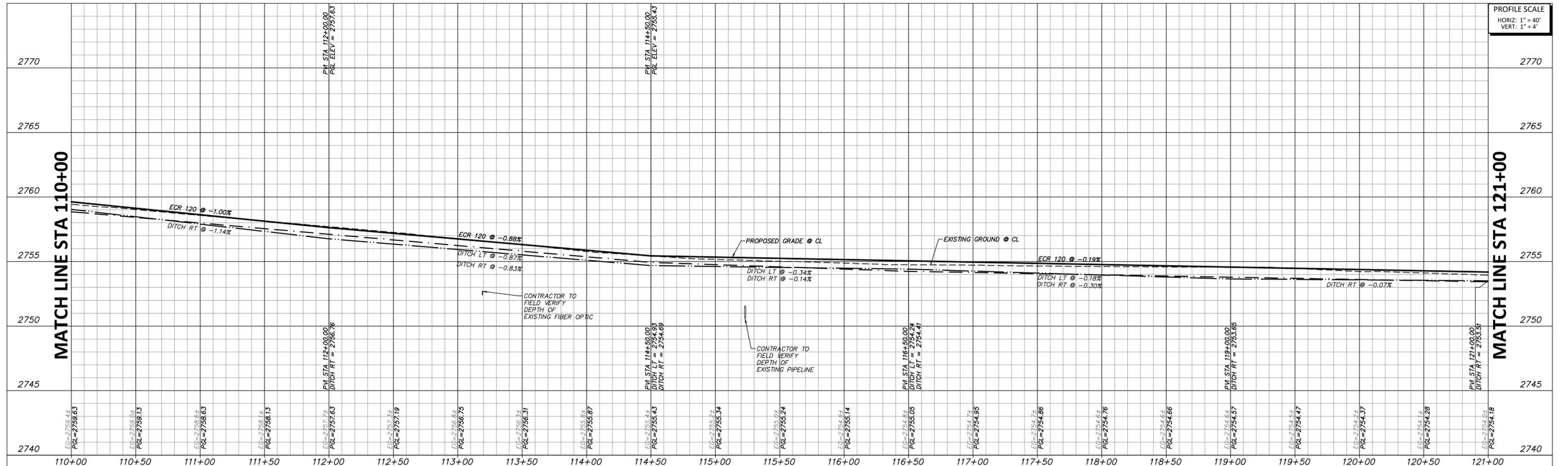
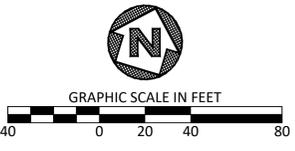
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 110+00

MATCH LINE STA 121+00



EAST COUNTY ROAD 120



FULL PATH: G:\Production\4000\060600\6661\001\Civil\Drawings\Plan\Sheet\060600_P06.dwg
 PLOTTER: HPGL-Plotter
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 110+00 TO 121+00**

DA PROJECT
B005664.001

SHEET
39



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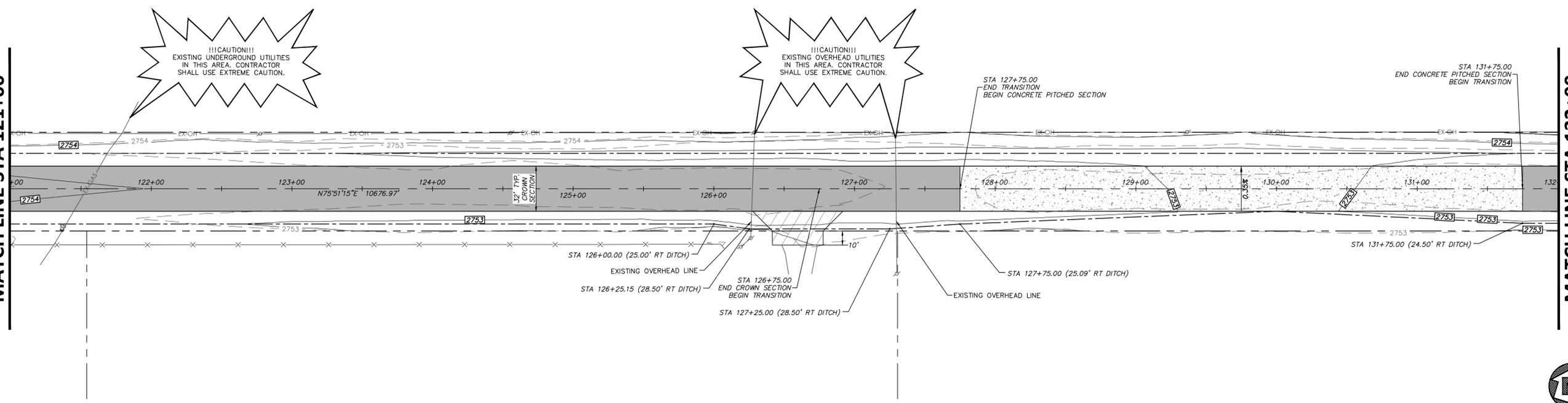
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 121+00

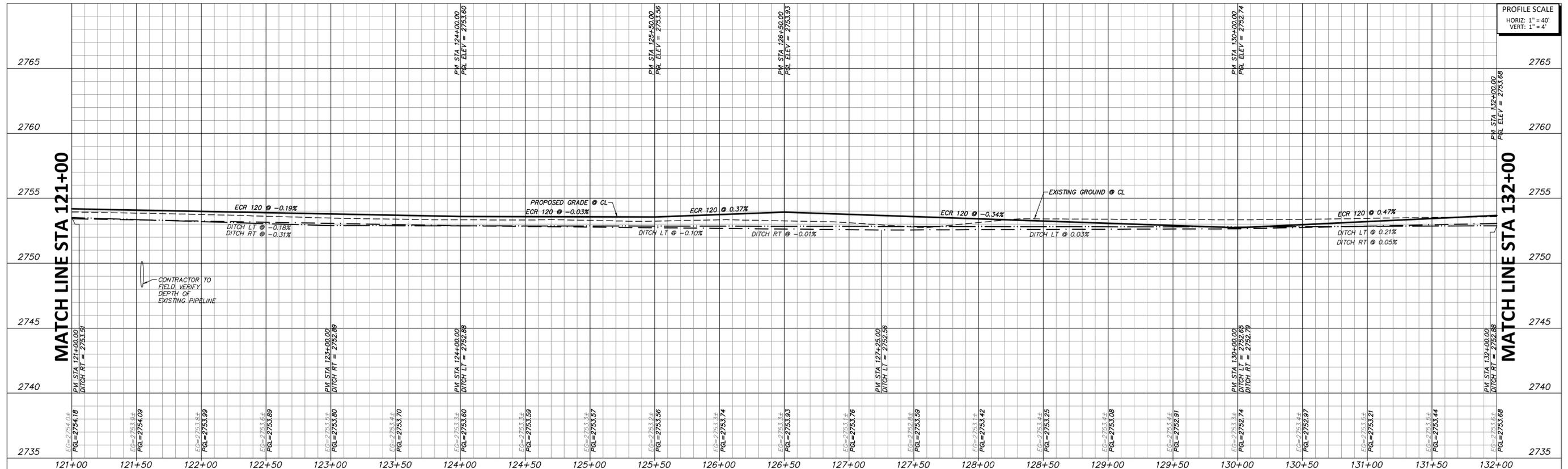
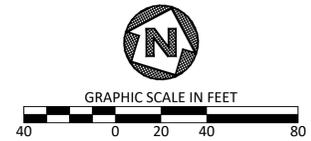
MATCH LINE STA 132+00

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

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



EAST COUNTY ROAD 120



FILE PATH: G:\Production\4000\06056601\001\00\Drawings\Plan\Sheet\06056601_Plan.dwg

DRAWN: JAS, PLS, PLS
PLOTTER: A3000, PLS, PLS
PLOT DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	<p>MIDLAND COUNTY MIDLAND, TEXAS</p>
RVG	DRAWN	
JAS	CHECKED	

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

STATE OF TEXAS

 JESSICA A. SCHUTTLE
 PROFESSIONAL ENGINEER
 06/13/2022

MIDLAND COUNTY PRECINCT 2		DA PROJECT
EAST COUNTY ROAD 120 - PHASE I		B005664.001
MIDLAND COUNTY, TEXAS		SHEET
<p>PLAN AND PROFILE STA 121+00 TO 132+00</p>		40



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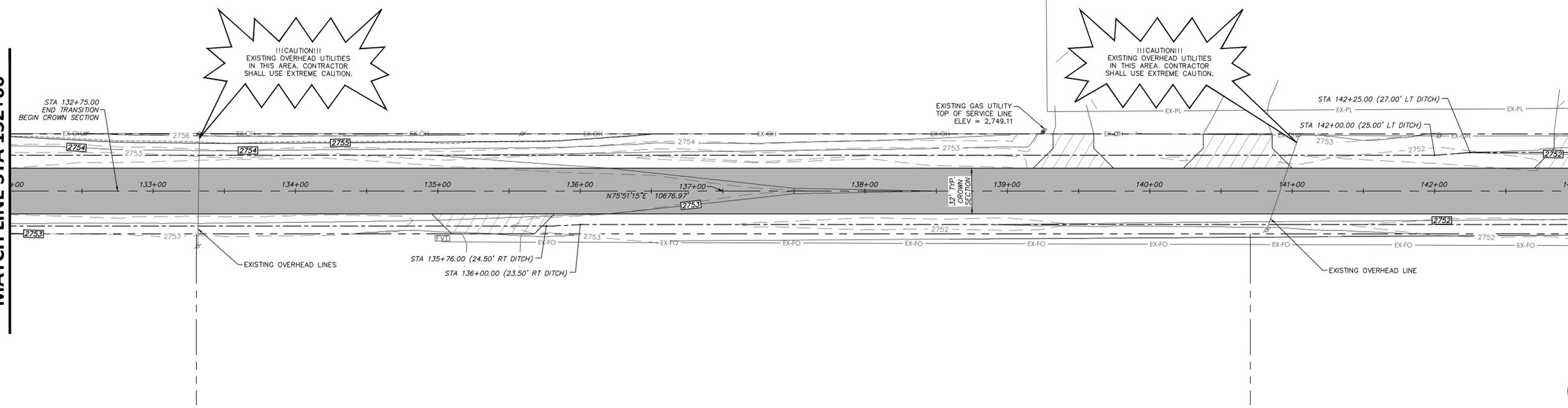
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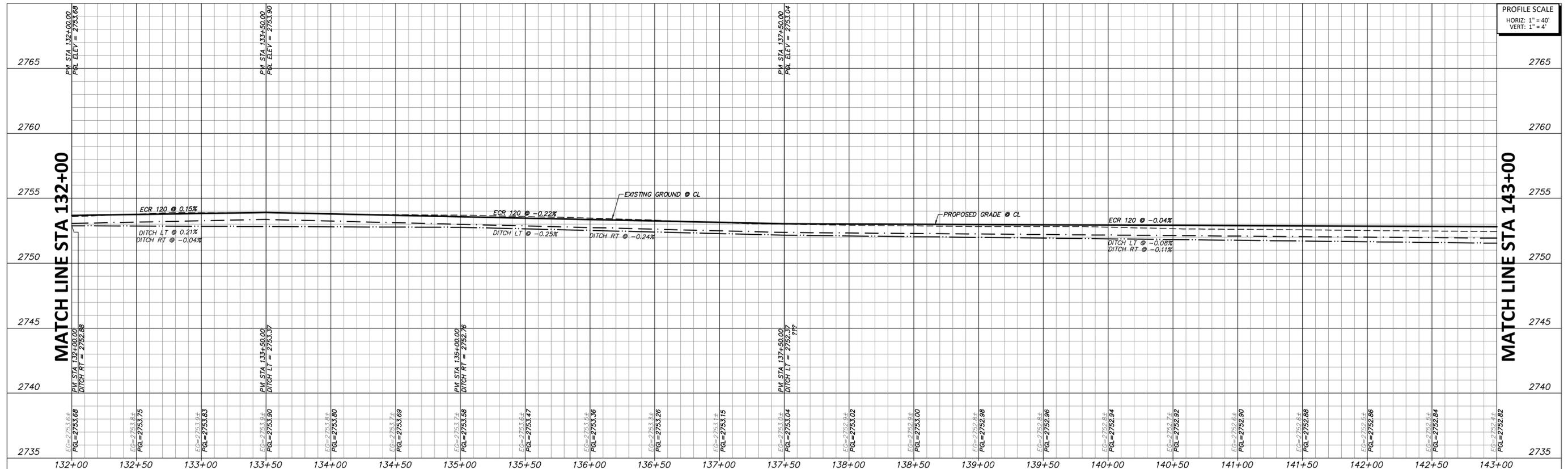
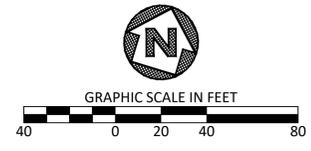
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 132+00

MATCH LINE STA 143+00



EAST COUNTY ROAD 120



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

MATCH LINE STA 132+00

MATCH LINE STA 143+00

FULL PATH: G:\Production\4000\0605664\001\CAD\Drawings\Plan\Sheet\0605664.dwg
DATE: 06/13/2022
DRAWN BY: Allison Adams
CHECKED BY: JAS
PLOT DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

STATE OF TEXAS
JESSICA A. SCHUTTNER
132068
PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 132+00 TO 143+00**

DA PROJECT
B005664.001
SHEET
41



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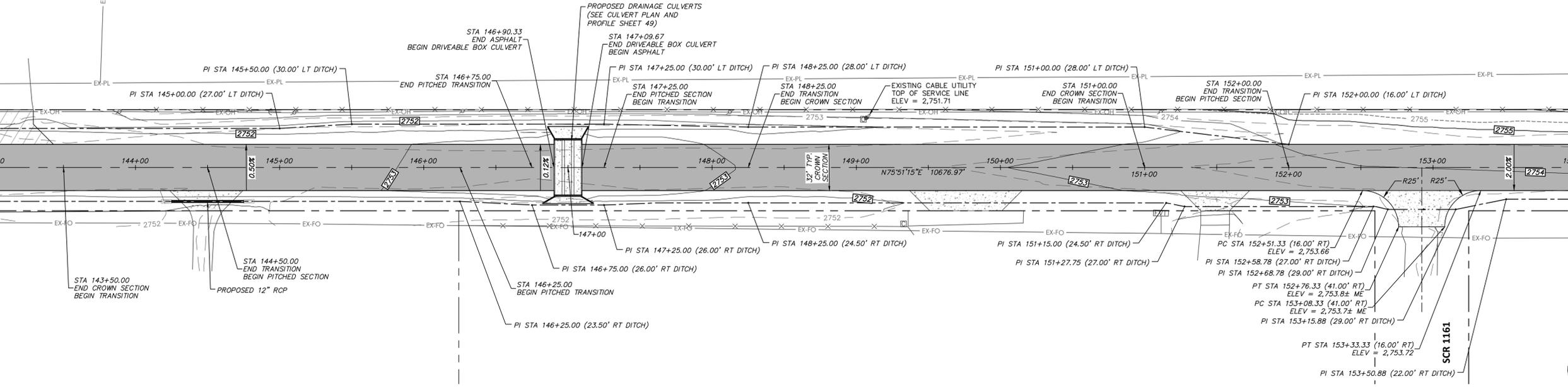
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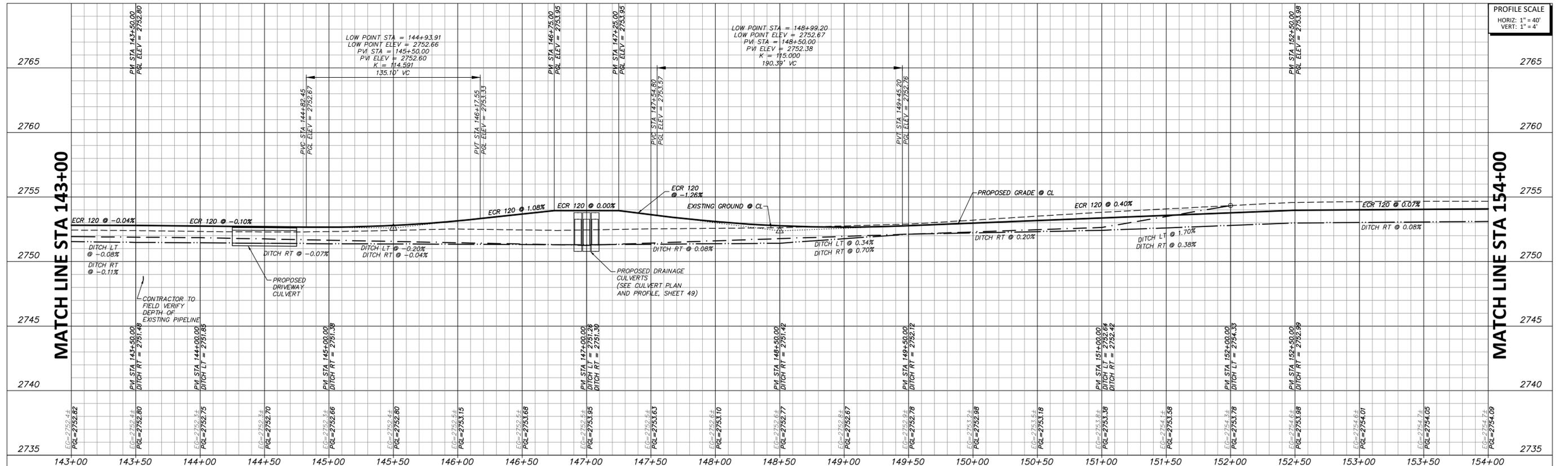
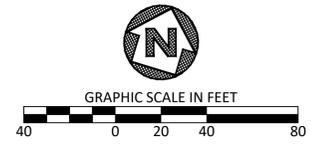
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 143+00



MATCH LINE STA 154+00

EAST COUNTY ROAD 120



FILE PATH: G:\Production\4000\0606066464001\CAD\Drawings\Plan Sheets\0606066464001.dwg
PLOTTER: HPGL-RT-2540
PLOT DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

Jessica A. Schuttler
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

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

DA PROJECT
B005664.001

SHEET
42



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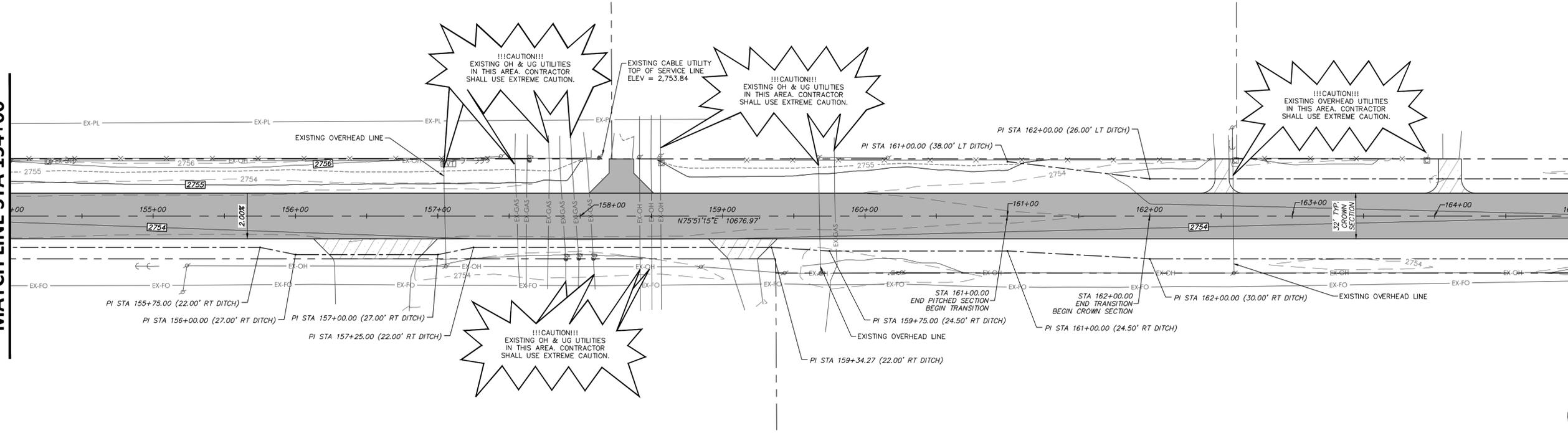
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BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 154+00

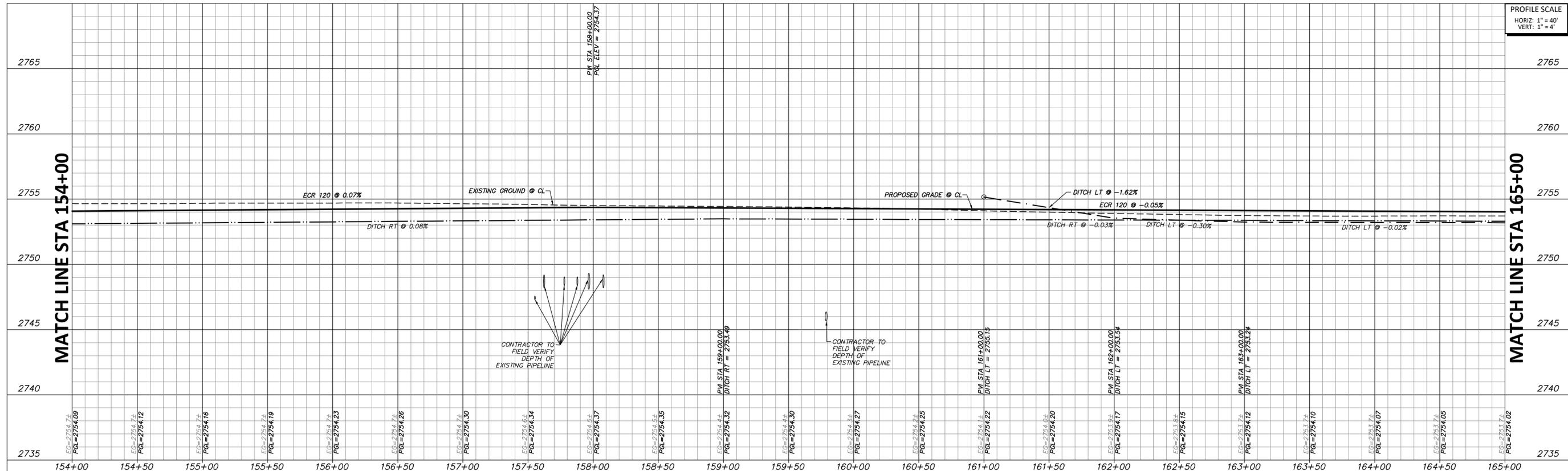
MATCH LINE STA 165+00



EAST COUNTY ROAD 120

MATCH LINE STA 154+00

MATCH LINE STA 165+00



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

FILE PATH: G:\Production\4000\060500\060500\001\CAD\Drawings\Plan\Sheet\060500_P01.dwg
DATE: 06/13/2022
DRAWN BY: Allison Adams
CHECKED BY: JAS
PLOT DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 154+00 TO 165+00**

DA PROJECT
B005664.001

SHEET
43



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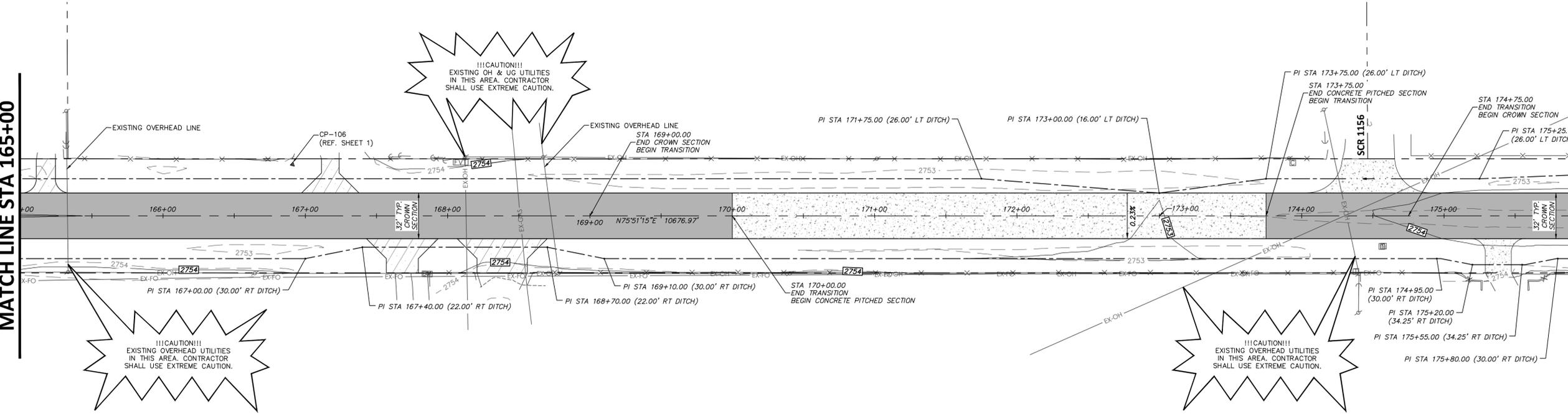
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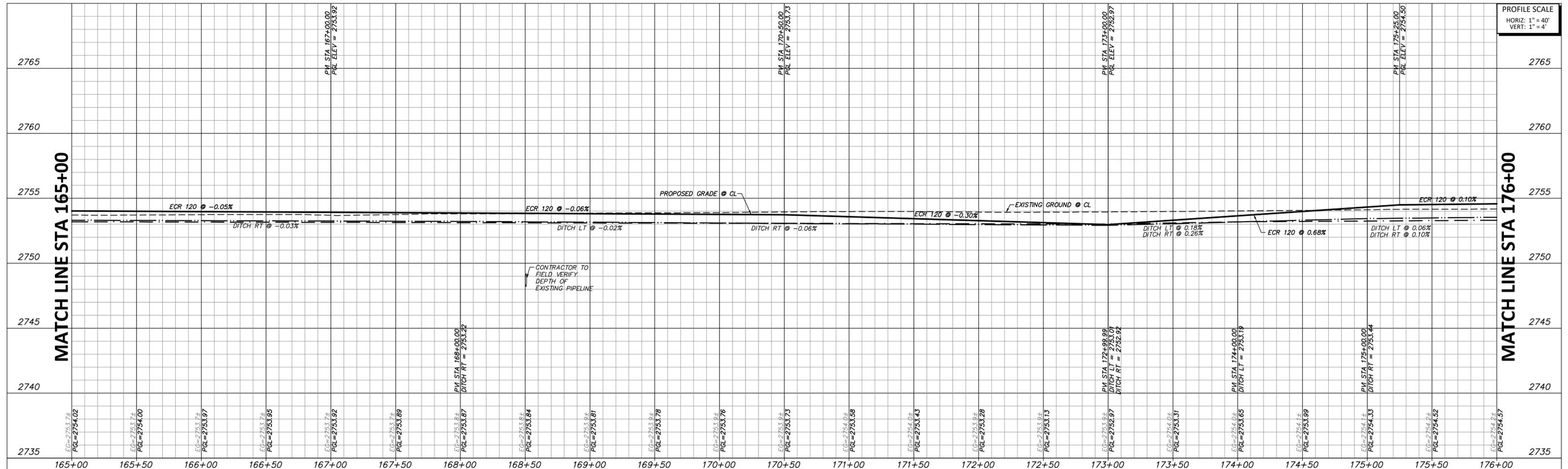
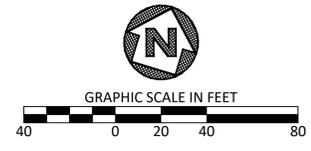
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 165+00

MATCH LINE STA 176+00



EAST COUNTY ROAD 120



FILE PATH: G:\Production\40010056601\40010056601\Drawings\Plan\Sheet\40010056601.dwg
 PLOTTER: HP DesignJet 5000
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

STATE OF TEXAS
JESSICA A. SCHULTZ
132068
PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 165+00 TO 176+00**

DA PROJECT
B005664.001

SHEET
44



WARNING TO CONTRACTOR:
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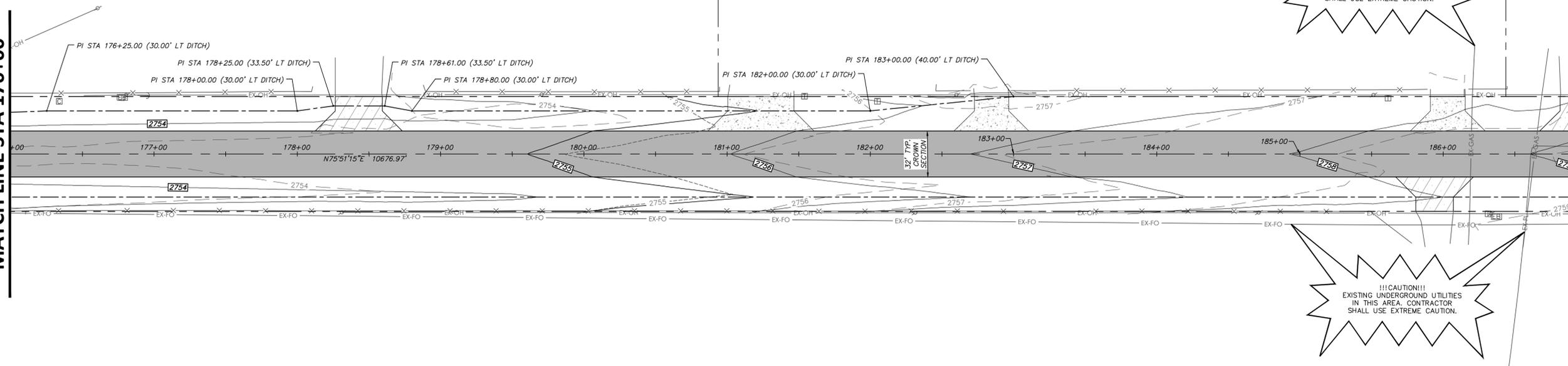
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MATCH LINE STA 176+00

MATCH LINE STA 187+00



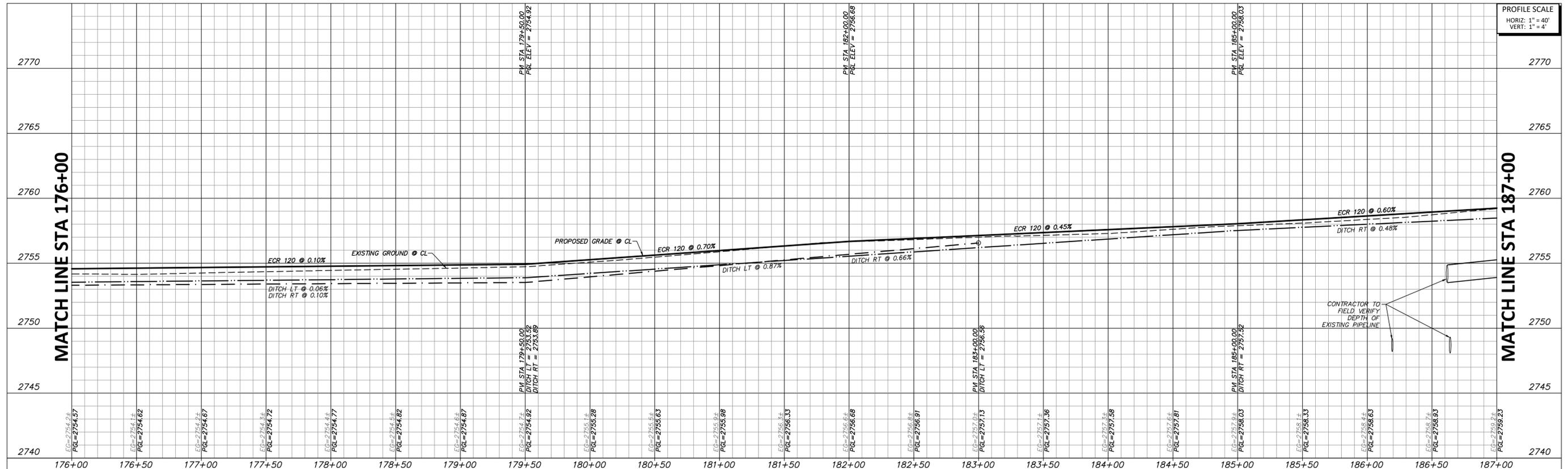
!!!CAUTION!!!
EXISTING UNDERGROUND UTILITIES
IN THIS AREA. CONTRACTOR
SHALL USE EXTREME CAUTION.

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

EAST COUNTY ROAD 120

MATCH LINE STA 176+00

MATCH LINE STA 187+00



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

FULL PATH: G:\Production\4000\0605664\001\CAD\Drawings\Plan\Sheet\0605664.dwg
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 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022
 PLOTTED TIME: 08:23 PM

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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



MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
STA 176+00 TO 187+00**

DA PROJECT
B005664.001

SHEET
45



WARNING TO CONTRACTOR:

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STATE PLANE COORDINATE NOTE:

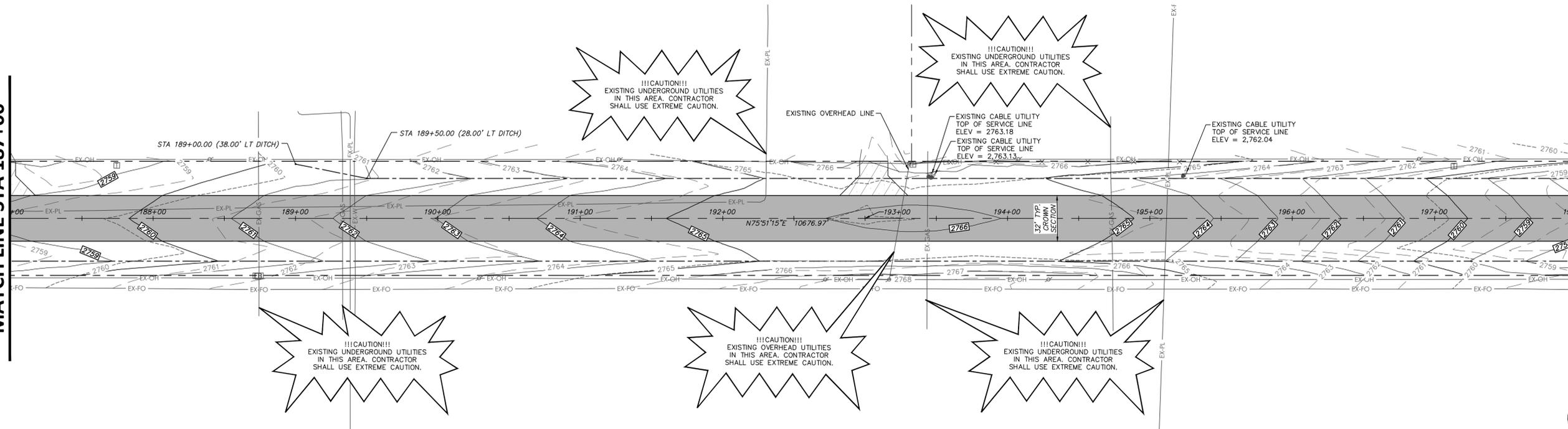
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BENCHMARK:

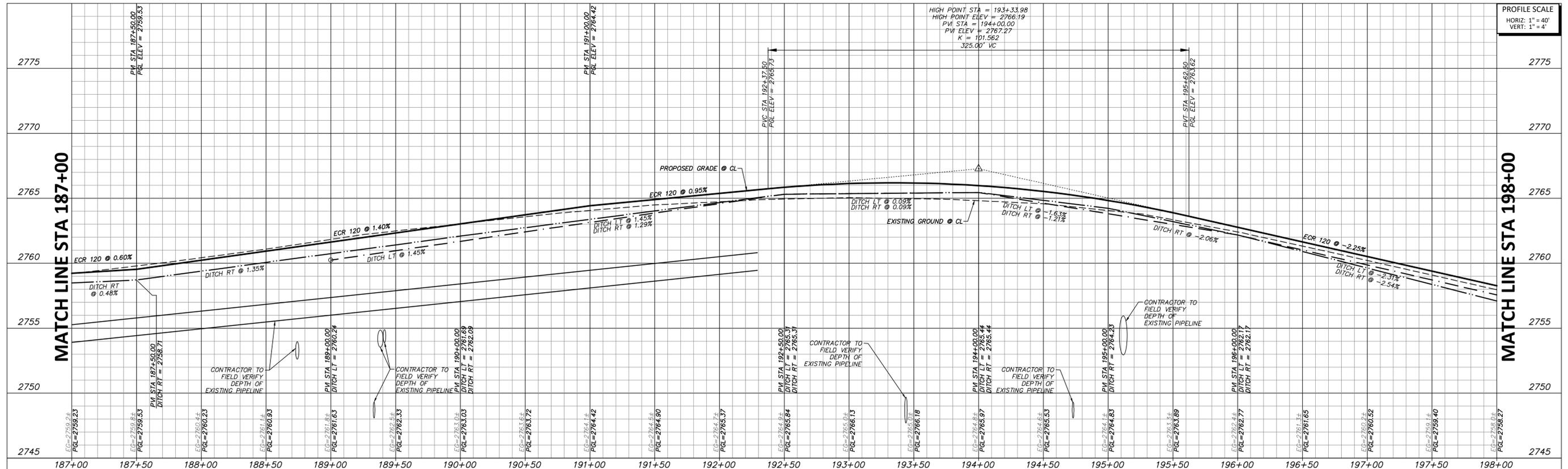
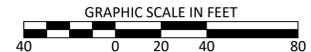
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 187+00

MATCH LINE STA 198+00



EAST COUNTY ROAD 120



FULL PATH: G:\Production\4000\060600\060600\001\Civil\Drawings\Plan\Sheet\060600_P06.dwg
 PLOTTER: HP DesignJet 5000
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RVG	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1" = 40'
	VERT 1" = 4'
DATE	JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE
 STA 187+00 TO 198+00**

DA PROJECT
 B005664.001

SHEET
46



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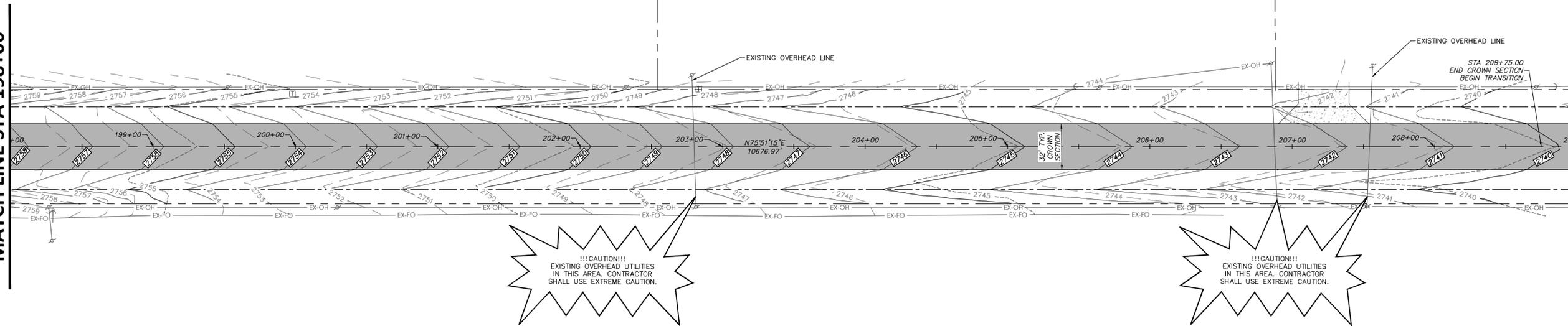
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BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 198+00

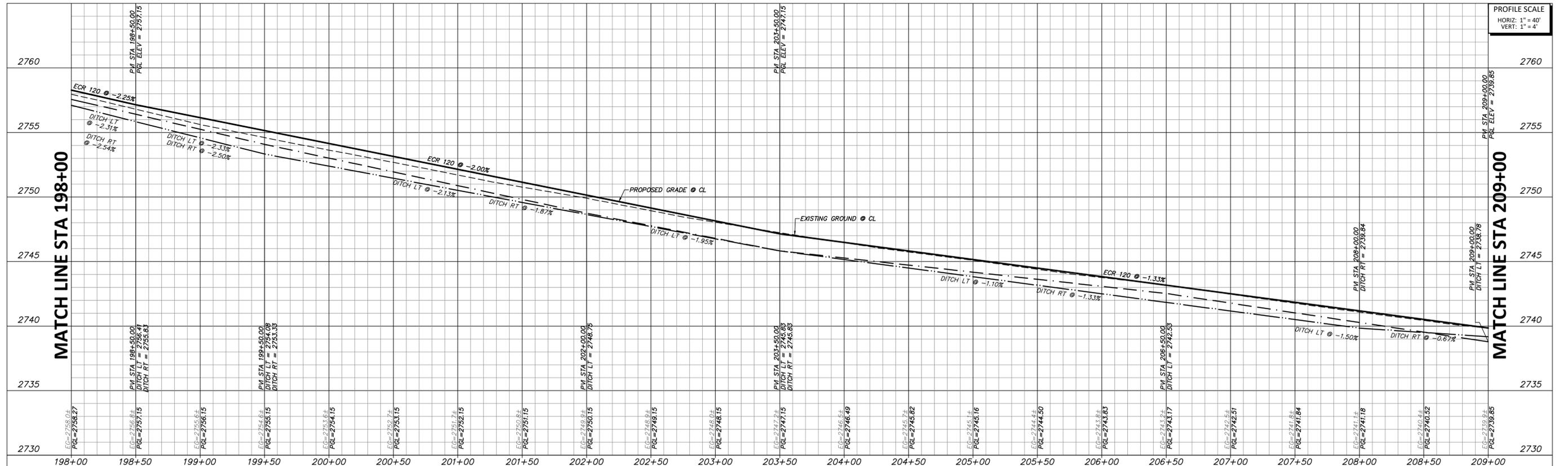
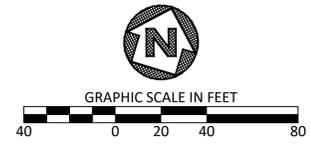
MATCH LINE STA 209+00



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

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

EAST COUNTY ROAD 120



FILE PATH: G:\Production\4000\0606000666\001\CAD\Drawings\Plan\Sheet\0606000666.dwg
 PLOTTER: HP DesignJet 5000
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG
DESIGNED
RVG
DRAWN
JAS
CHECKED

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2022

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

STATE OF TEXAS
JESSICA A. SCHULTER
132068
PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS
PLAN AND PROFILE
STA 198+00 TO 209+00

DA PROJECT
B005664.001
SHEET
47



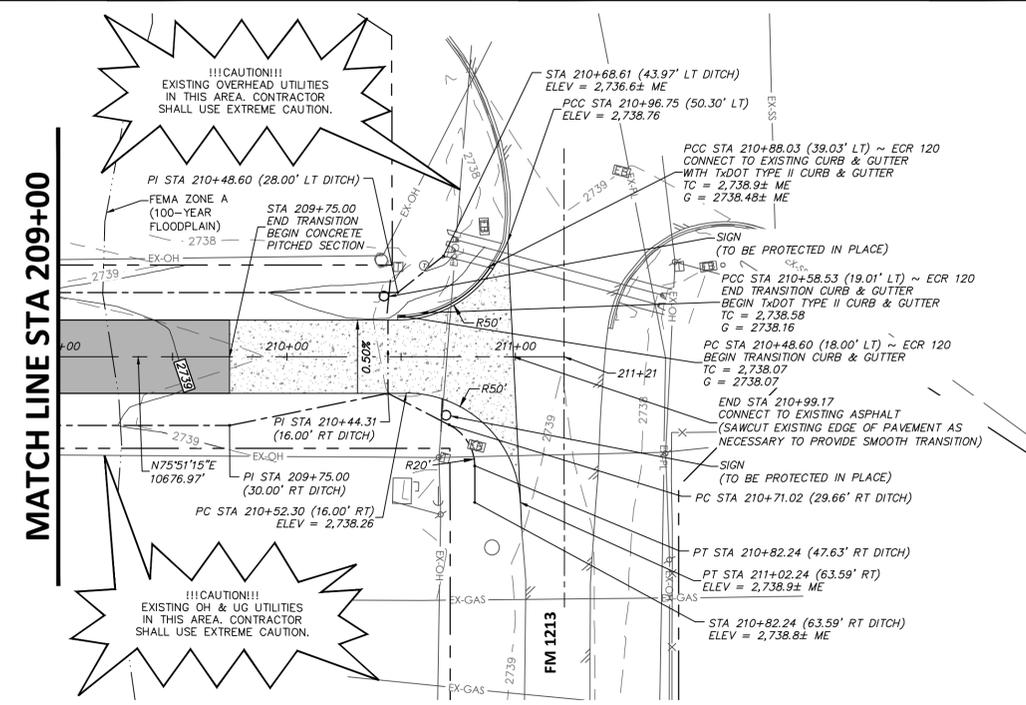
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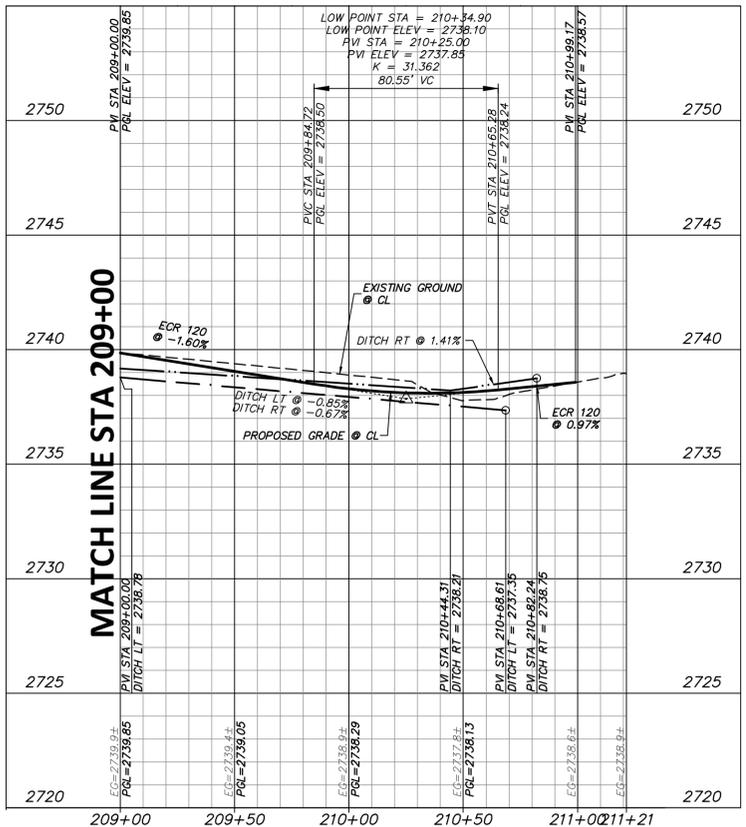
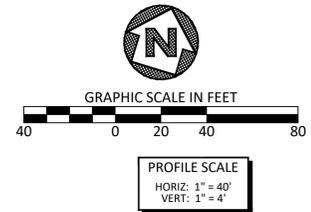
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EAST COUNTY ROAD 120



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 FILENAME: 0048.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG DESIGNED
 RVG DRAWN
 JAS CHECKED
**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE
 HORIZ 1" = 40'
 VERT 1" = 4'
 DATE
 JUNE 2022

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

MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS
**PLAN AND PROFILE
 STA 209+00 TO END**

DA PROJECT
 B005664.001
 SHEET
48



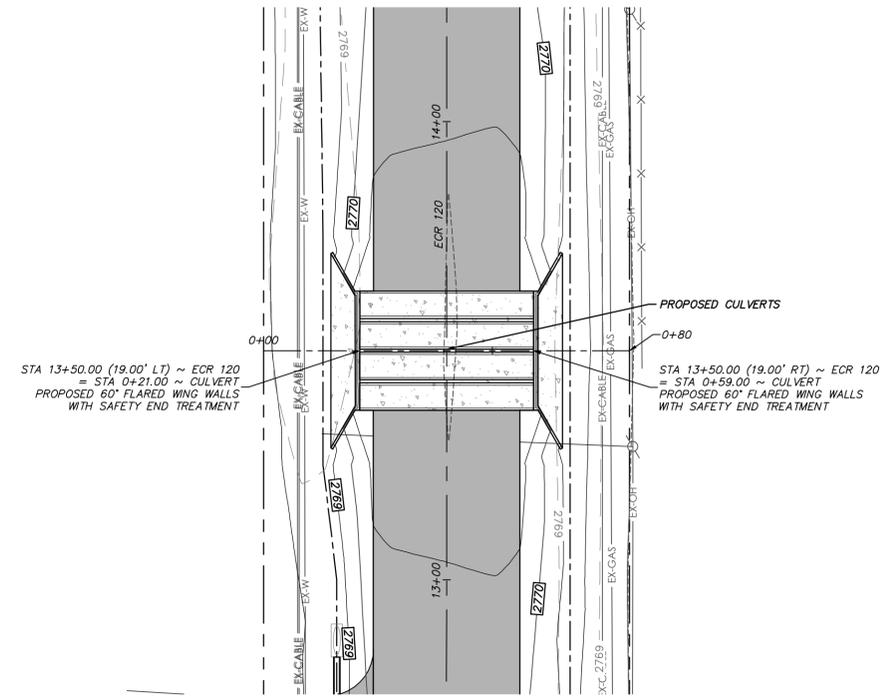
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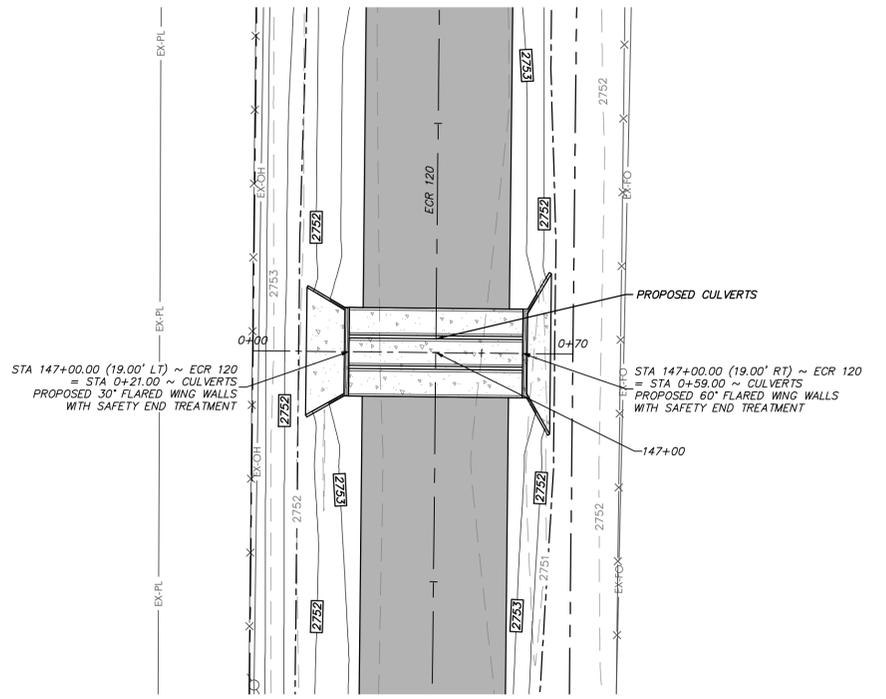
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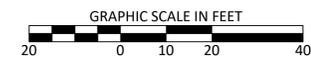
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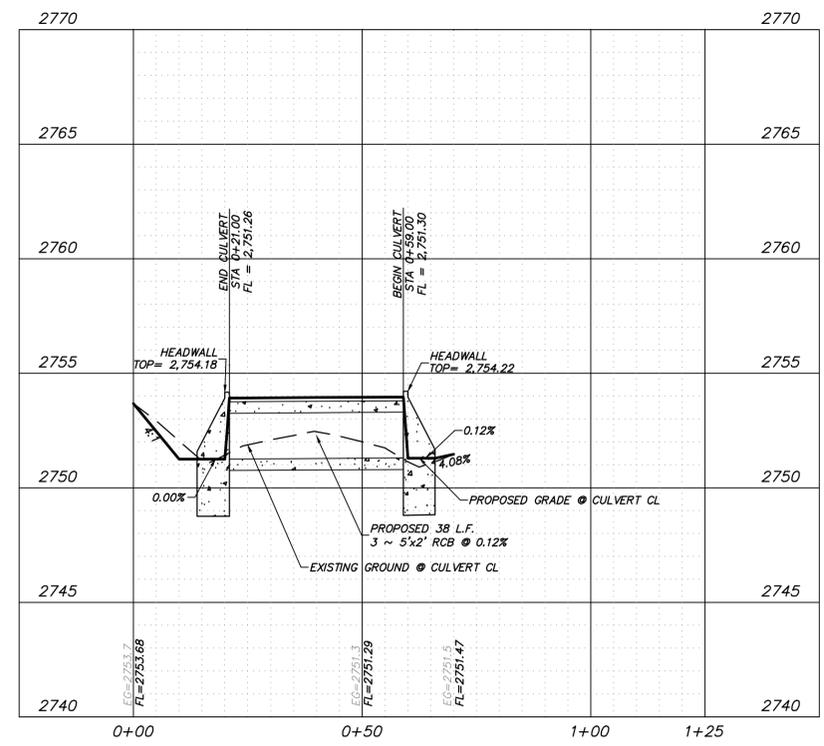
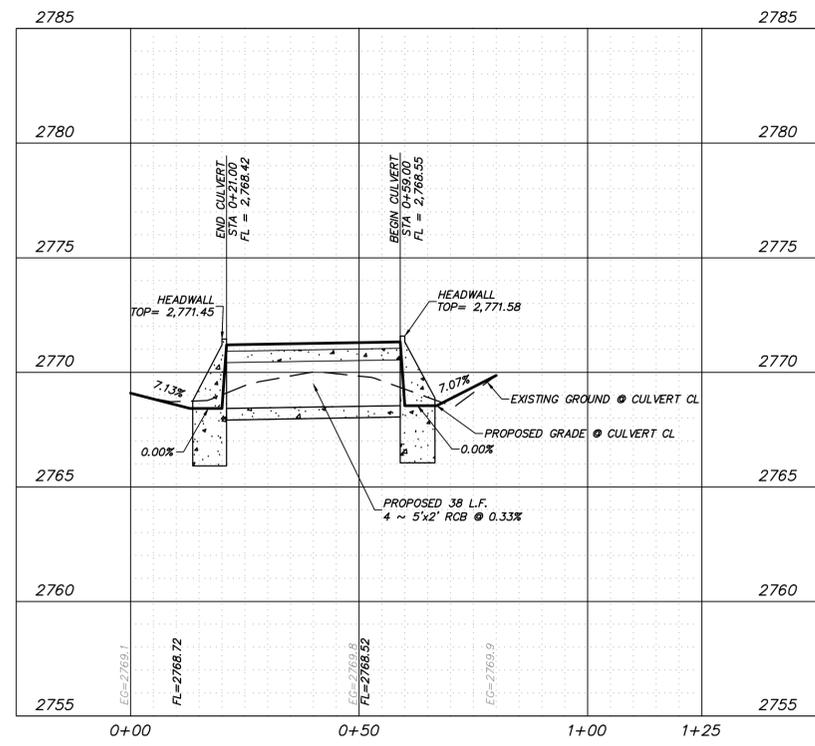
STA 13+50 CULVERT



STA 147+00 CULVERT



PROFILE SCALE
HORIZ: 1" = 20'
VERT: 1" = 4'



FULL PATH: G:\Production\4000\0605664\001\Civil\Drawings\Phase Sheets\CULVERT 13+50.dwg
 FILENAME: CULVERT 13+50.dwg
 PLOTTED BY: Allison Anderson
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE

MMC	DESIGNED	RVG	DRAWN	JAS	CHECKED
MIDLAND COUNTY MIDLAND, TEXAS					

SCALE	HORIZ 1"=20'	VERT 1"=4'
DATE	JUNE 2022	

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

Jessica A. Schmitt
 06/13/2022

MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS		DA PROJECT B005664.001
CULVERT PLAN AND PROFILE STA 13+50 AND 147+00		SHEET 49



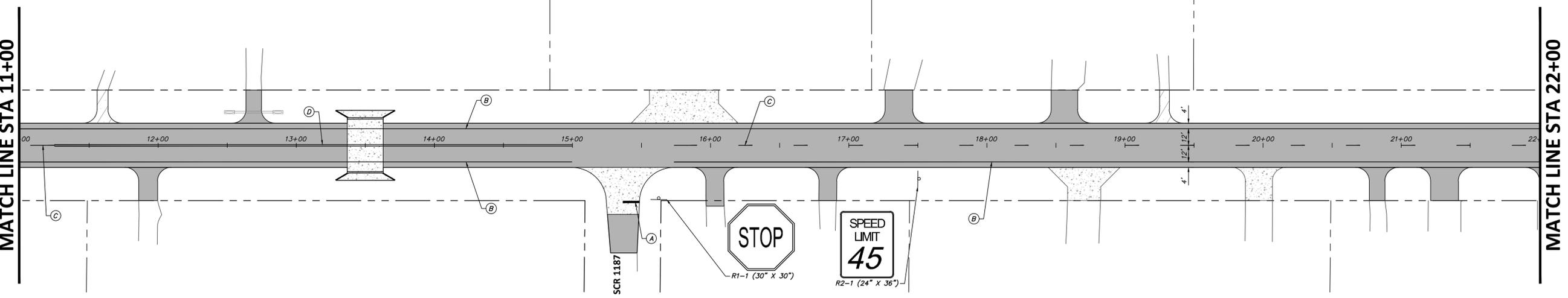
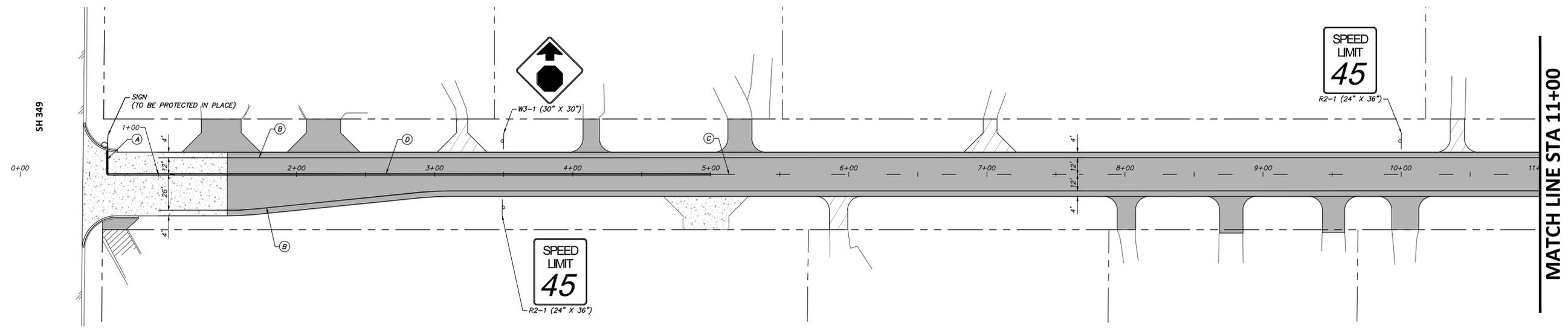
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- NOTES:**
- INSTALL PAVEMENT MARKINGS AND SIGNAGE PER TxDOT STANDARDS AND DETAILS AND TEXAS MUTCD.
 - STRIPING TO FOLLOW ALIGNMENT STATIONING OF ROADWAY.
 - ALL PAVEMENT MARKING DIMENSIONS MEASURED FROM CENTER OF STRIPING.

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
RAD	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE	1" = 40'
HORIZ	N/A
VERT	N/A
DATE	JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS
**SIGNAGE AND PAVEMENT MARKING PLAN
 STA 0+00 TO 22+00**

DA PROJECT	B005664.001
SHEET	50

FULL PATH: G:\Production\4000\B005664\061322\Drawings\Plan\Signage & Pavement Markings.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022



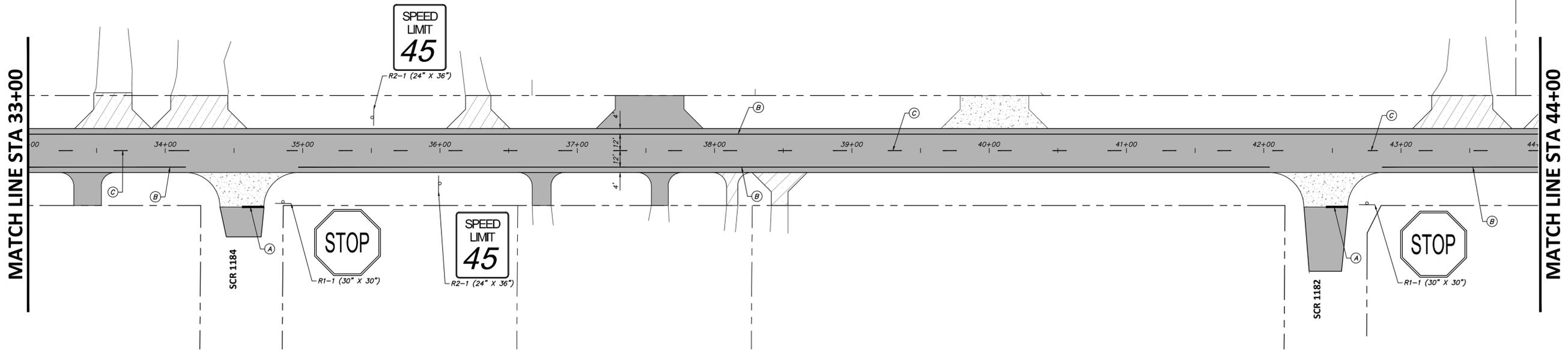
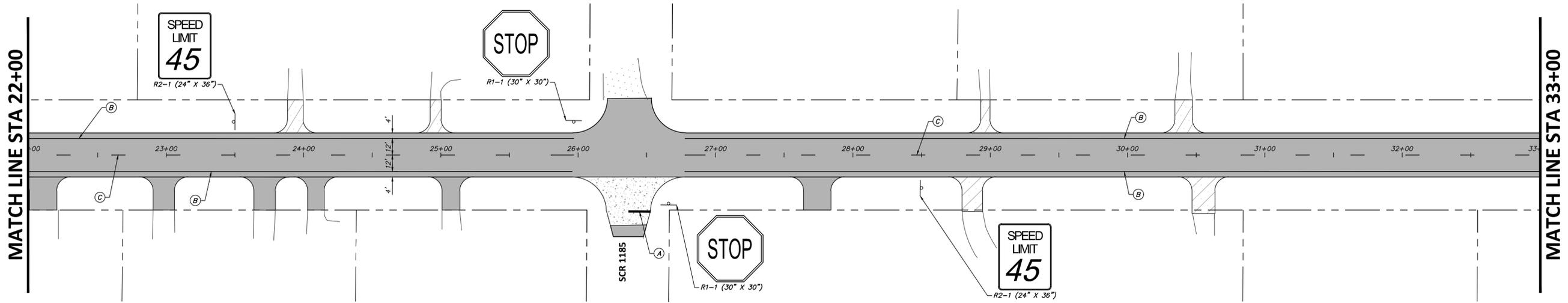
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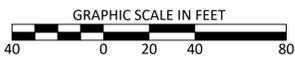
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PAVEMENT MARKINGS	
(A)	REFL PAV MRK (W) 18" (SOLID)
(B)	REFL PAV MRK (W) 4" (SOLID)
(C)	REFL PAV MRK (Y) 4" (BRK)
(D)	REFL PAV MRK (Y) 4" DOUBLE (SOLID)
—	INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	<p>MIDLAND COUNTY MIDLAND, TEXAS</p>	SCALE
RAD	DRAWN		HORIZ 1" = 40"
JAS	CHECKED		VERT N/A
			DATE JUNE 2022

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

STATE OF TEXAS
JESSICA A. SCHUTTNER
132068
PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS
**SIGNAGE AND PAVEMENT MARKING PLAN
STA 22+00 TO 44+00**

DA PROJECT B005664.001	SHEET 51
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FULL PATH: G:\Production\4000\B005664\001\Drawings\Plan\Sheet\SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022



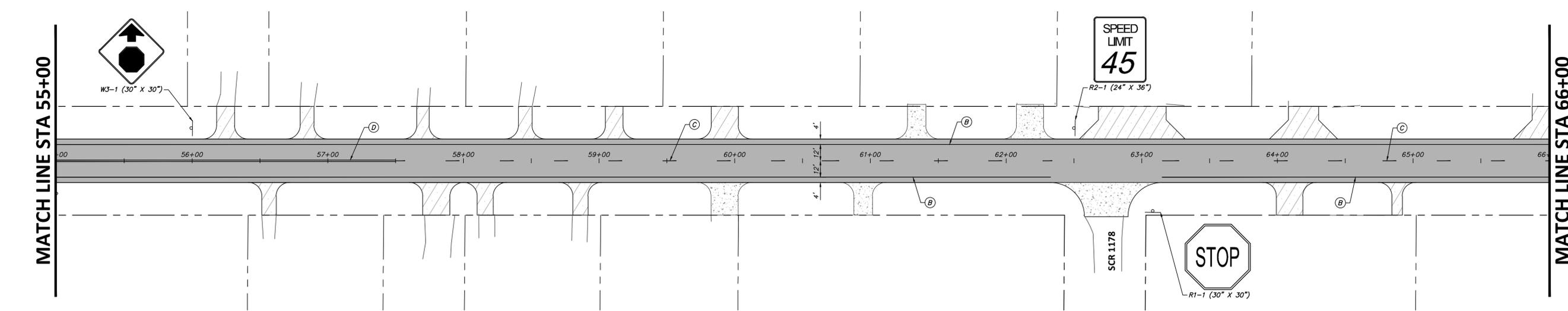
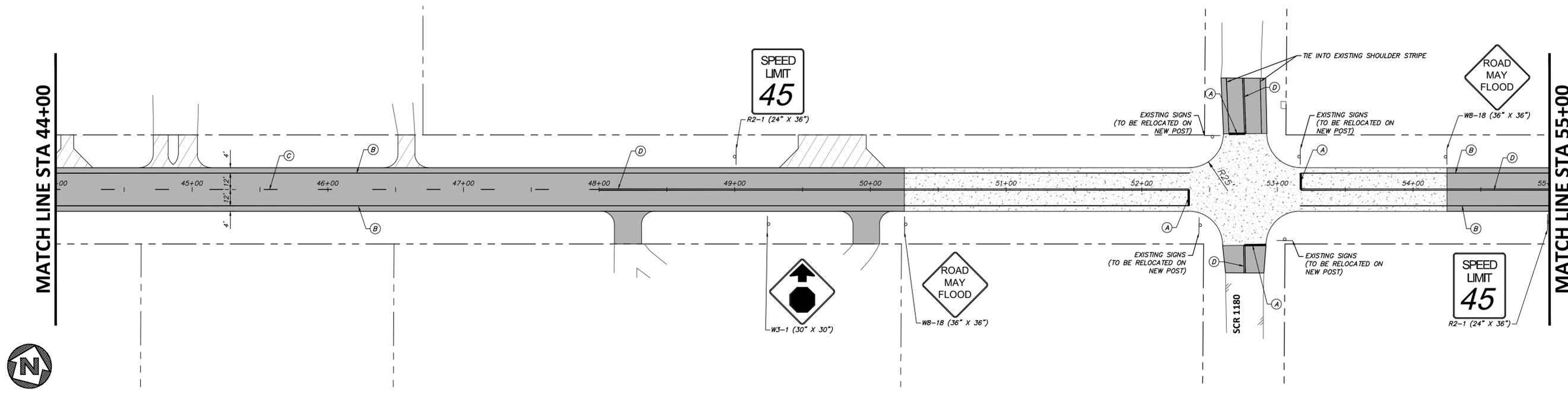
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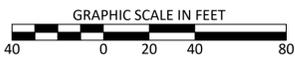
STATE PLANE COORDINATE NOTE:
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BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



- 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\00560664\001\Drawings\Plan\Sheet\SIGNAGE & PAVEMENT MARKINGS.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Alton Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RAD	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS
**SIGNAGE AND PAVEMENT MARKING PLAN
 STA 44+00 TO 66+00**

DA PROJECT
B005664.001
 SHEET
52



WARNING TO CONTRACTOR:
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CRITICAL:
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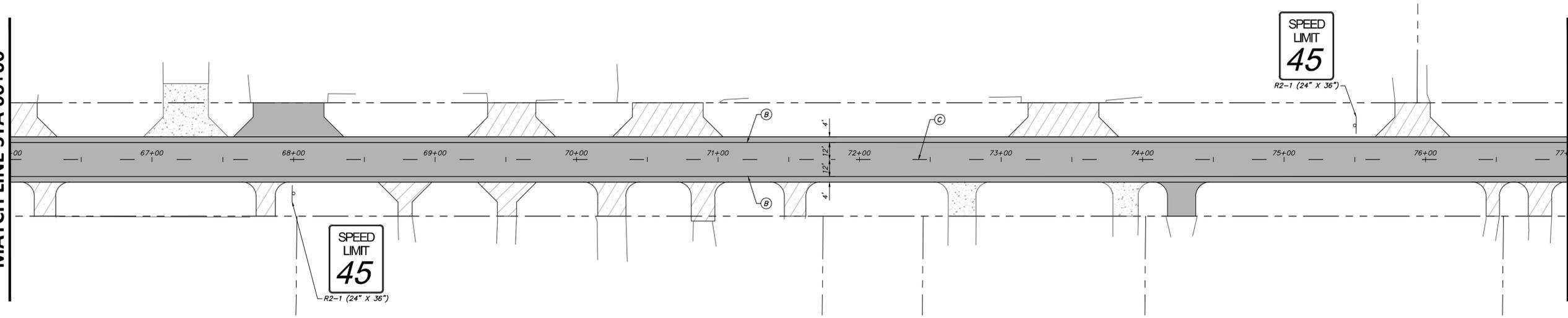
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BENCHMARK:
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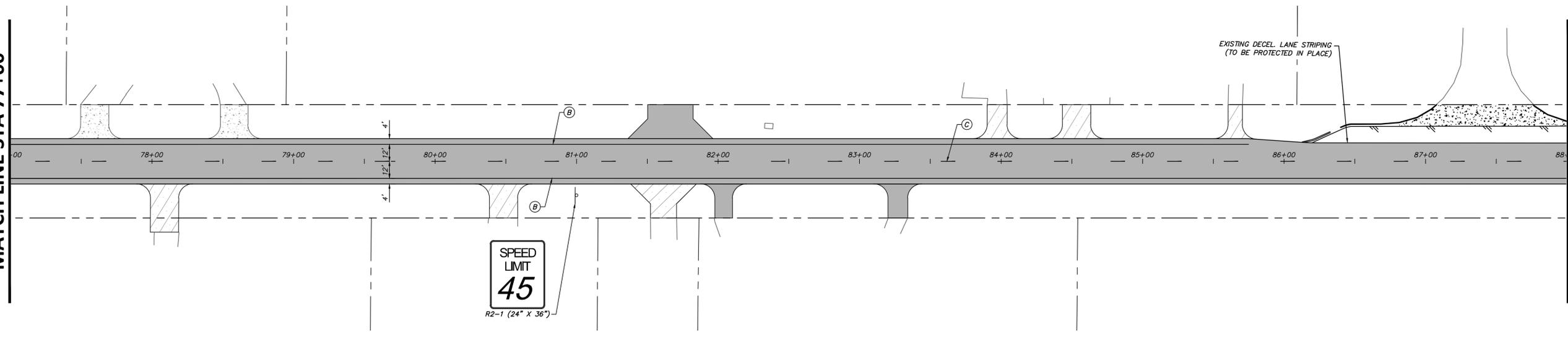
MATCH LINE STA 66+00

MATCH LINE STA 77+00



MATCH LINE STA 77+00

MATCH LINE STA 88+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
RAD	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JUNE 2022

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS		DA PROJECT B005664.001
SIGNAGE AND PAVEMENT MARKING PLAN STA 66+00 TO 88+00		SHEET 53

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PLOT DATE: 06/13/2022



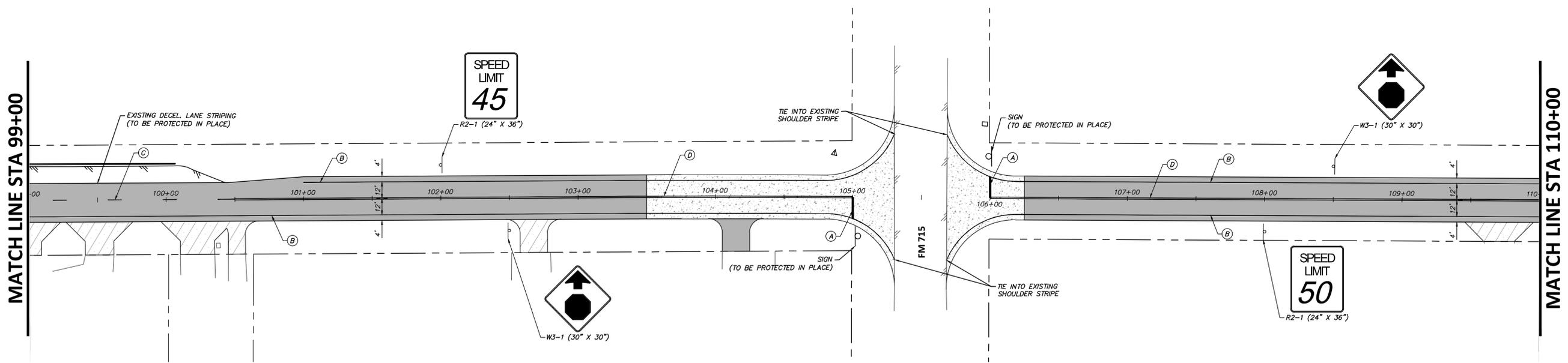
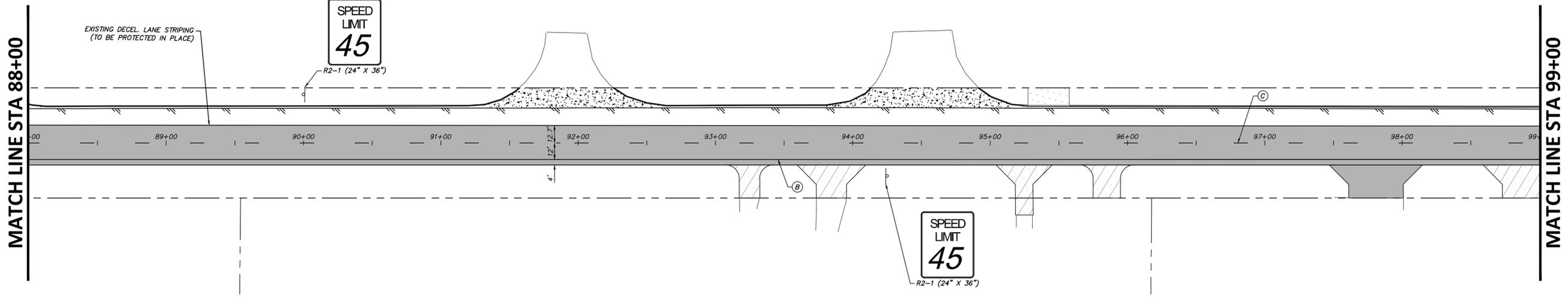
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BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



- 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	MIDLAND COUNTY MIDLAND, TEXAS	SCALE
RAD	DRAWN		HORIZ 1" = 40'
JAS	CHECKED		VERT N/A
			DATE JUNE 2022

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

STATE OF TEXAS
JESSICA A. SCHUTTNER
132068
LICENSED PROFESSIONAL ENGINEER
06/13/2022

MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	DA PROJECT B005664.001
SIGNAGE AND PAVEMENT MARKING PLAN STA 88+00 TO 110+00	SHEET 54

FULL PATH: G:\Production\4000 B005664\06132022\Drawings\Plan\Sheet\SIGNAGE & PAVEMENT MARKINGS.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Alton Adams
 PLOTTED DATE: 06/13/2022



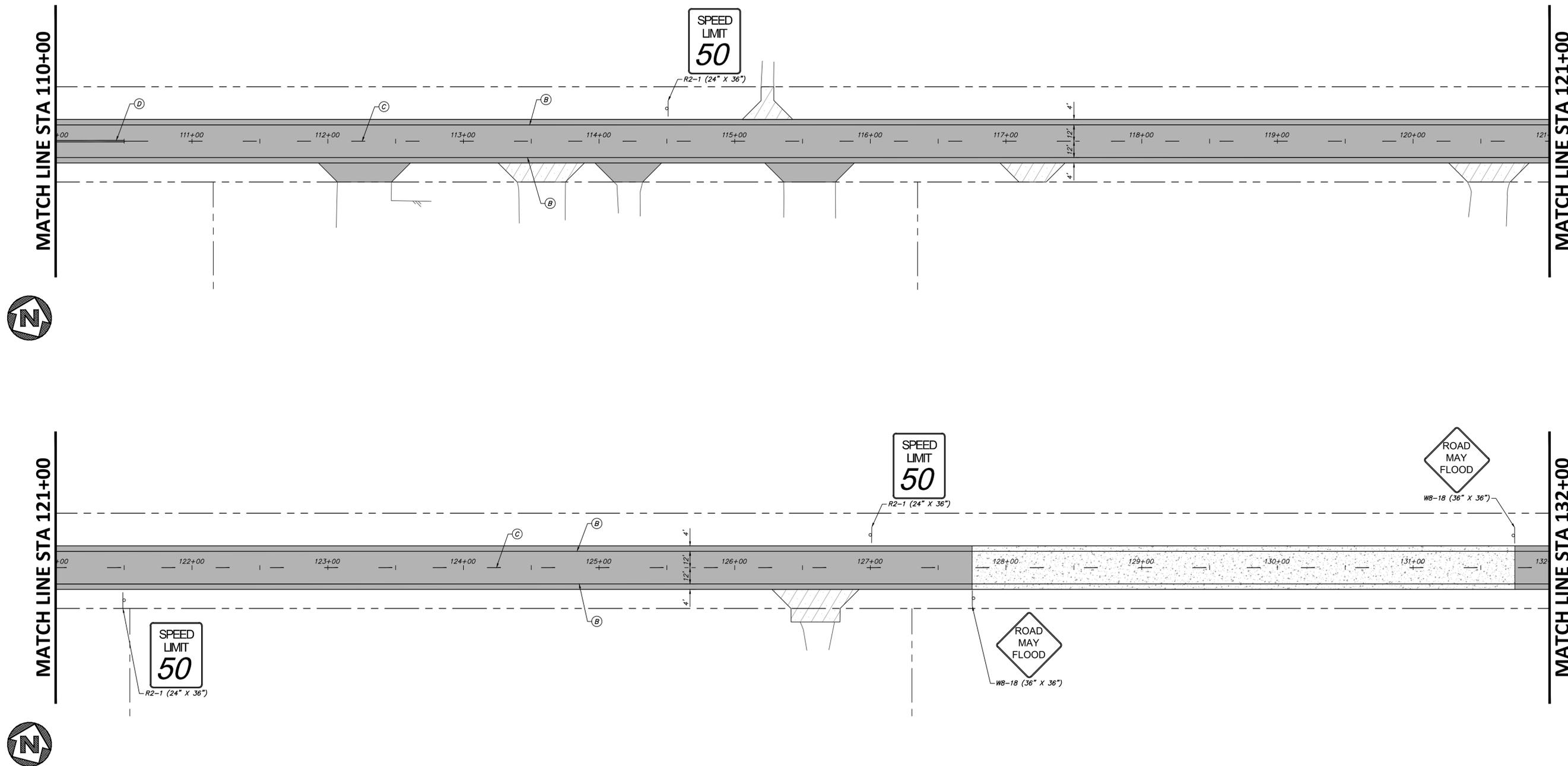
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BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



FULL PATH: G:\Production\4000\005664\001\Drawings\Plan\Sheet\SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

- 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
 RAD
 DRAWN
 JAS
 CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
 HORIZ
 1" = 40'
 VERT
 N/A
 DATE
 JUNE
 2022

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

MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS
SIGNAGE AND PAVEMENT MARKING PLAN
 STA 110+00 TO 132+00

DA PROJECT
 B005664.001
 SHEET
55



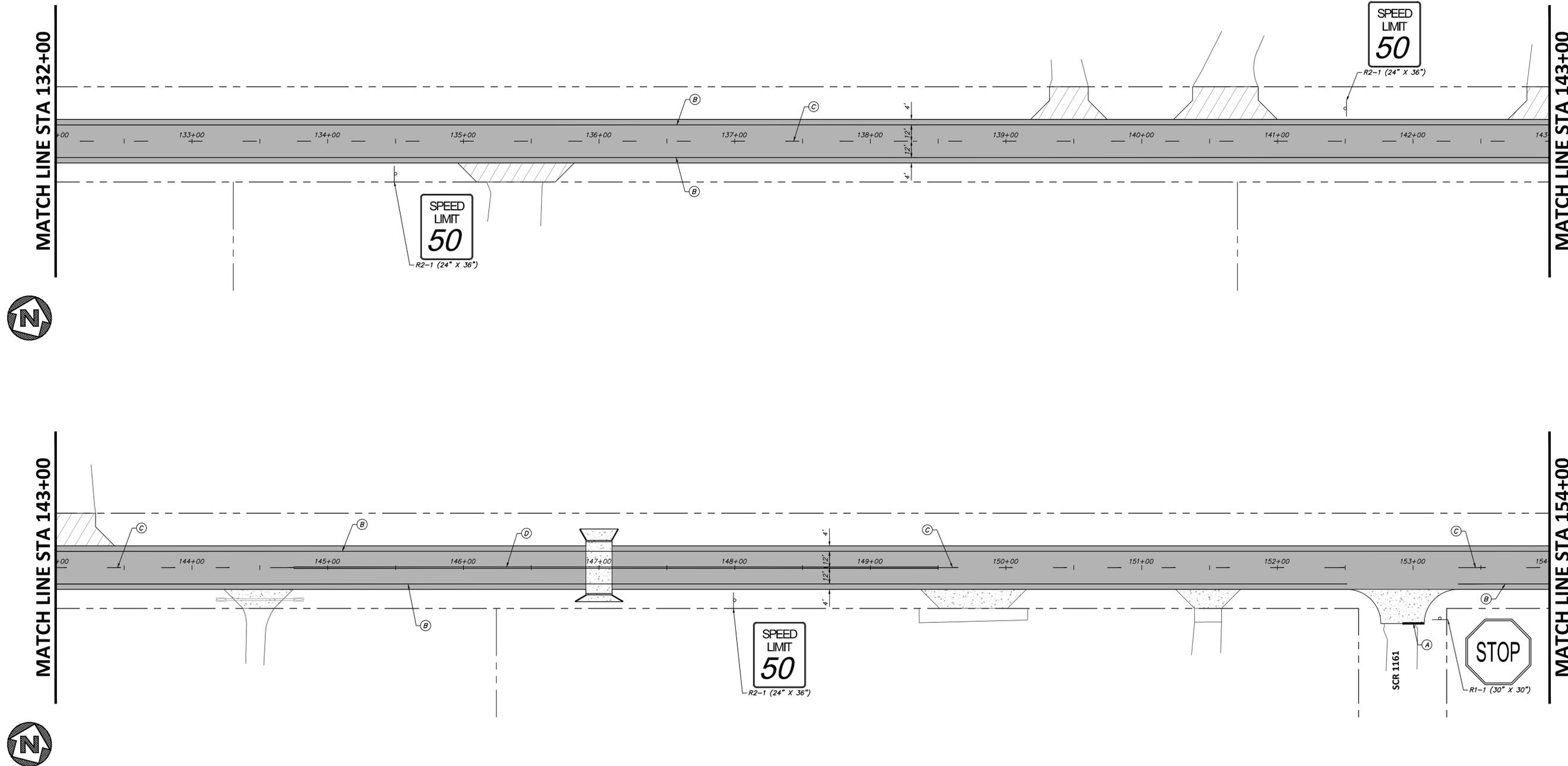
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(D)	REFL PAV MRK (Y) 4" DOUBLE (SOLID)
—	INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RAD	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

DUNAWAY

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

MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	DA PROJECT B005664.001
SIGNAGE AND PAVEMENT MARKING PLAN STA 132+00 TO 154+00	SHEET 56

FULL PATH: G:\Production\4000\B005664\001\Drawings\Plan\Sheet\SIGNAGE & PAVEMENT MARKINGS.dwg
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 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022



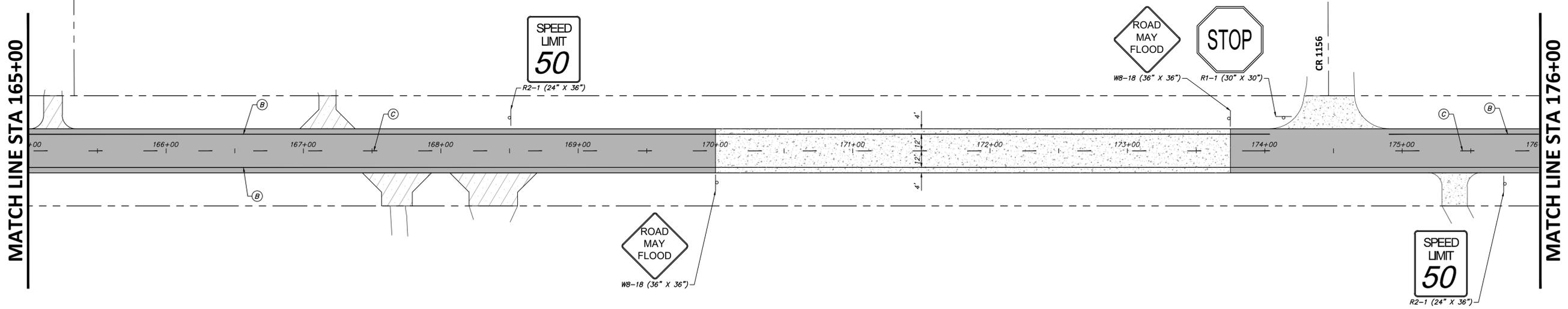
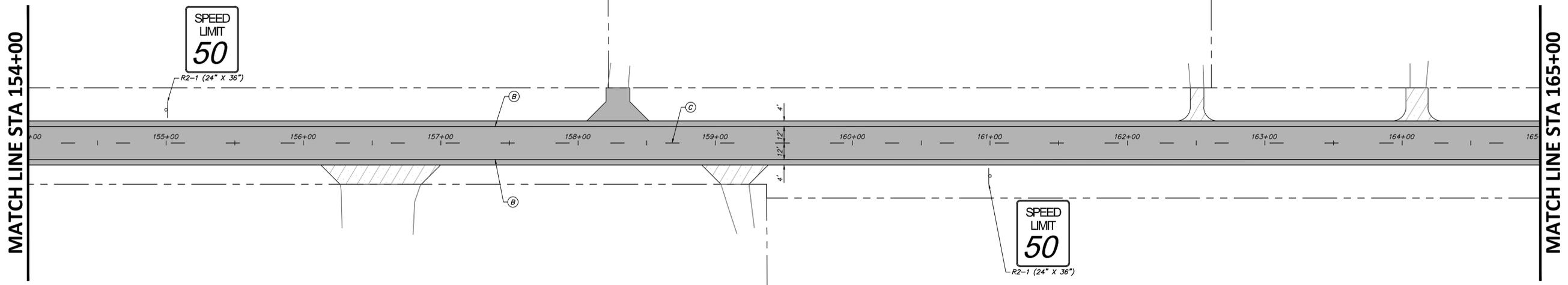
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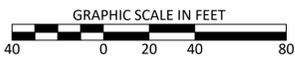
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BENCHMARK:
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 - ALL PAVEMENT MARKING DIMENSIONS MEASURED FROM CENTER OF STRIPING.

PAVEMENT MARKINGS	
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(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\4000\0605664\001\Drawings\Plan\Sheet\SIGNAGE & PAVEMENT MARKINGS.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022

NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RAD	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	1" = 40'
HORIZ	N/A
VERT	N/A
DATE	JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
 EAST COUNTY ROAD 120 - PHASE I
 MIDLAND COUNTY, TEXAS
SIGNAGE AND PAVEMENT MARKING PLAN
 STA 154+00 TO 176+00

DA PROJECT
B005664.001
 SHEET
57



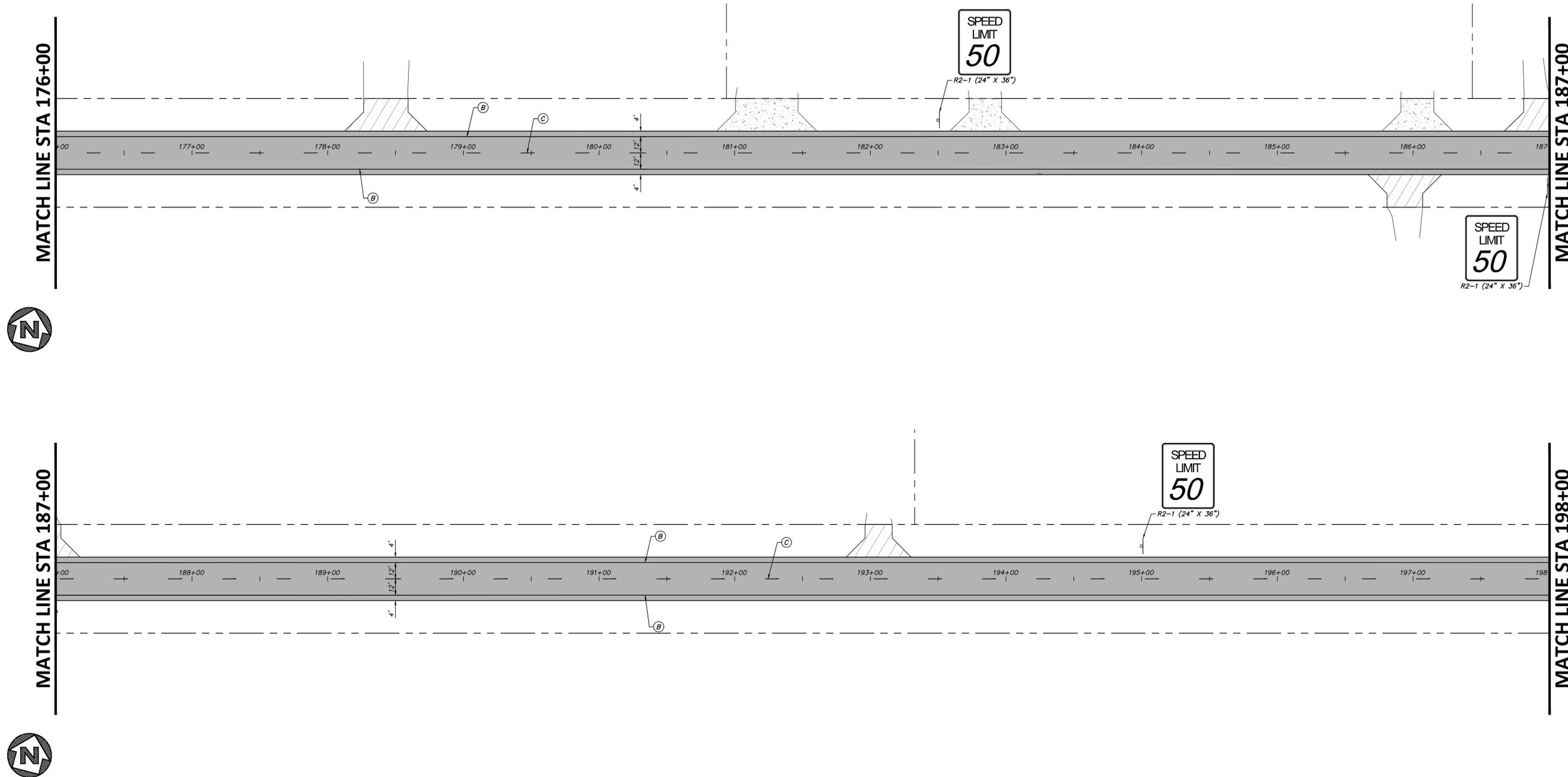
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PAVEMENT MARKINGS	
(A)	REFL PAV MRK (W) 18" (SOLID)
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(C)	REFL PAV MRK (Y) 4" (BRK)
(D)	REFL PAV MRK (Y) 4" DOUBLE (SOLID)
—	INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED	<p>MIDLAND COUNTY MIDLAND, TEXAS</p>	SCALE
RAD	DRAWN		HORIZ 1" = 40'
JAS	CHECKED		VERT N/A
			DATE JUNE 2022

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

STATE OF TEXAS
JESSICA A. SCHUTTNER
LICENSED PROFESSIONAL ENGINEER
132068
06/13/2022

MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - PHASE I MIDLAND COUNTY, TEXAS	DA PROJECT B005664.001
SIGNAGE AND PAVEMENT MARKING PLAN STA 176+00 TO 198+00	SHEET 58

FULL PATH: G:\Production\4000\B005664\001\Drawings\Plan\Sheet\Signage & Pavement Markings.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 06/13/2022



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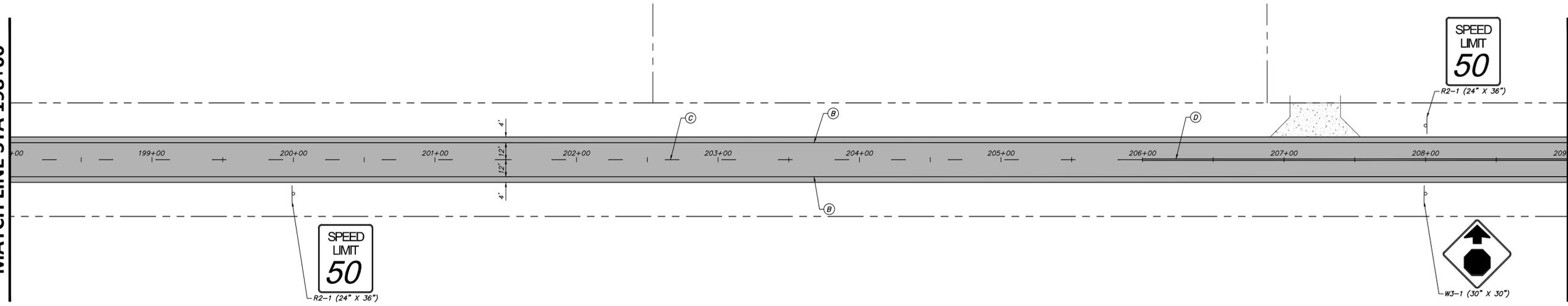
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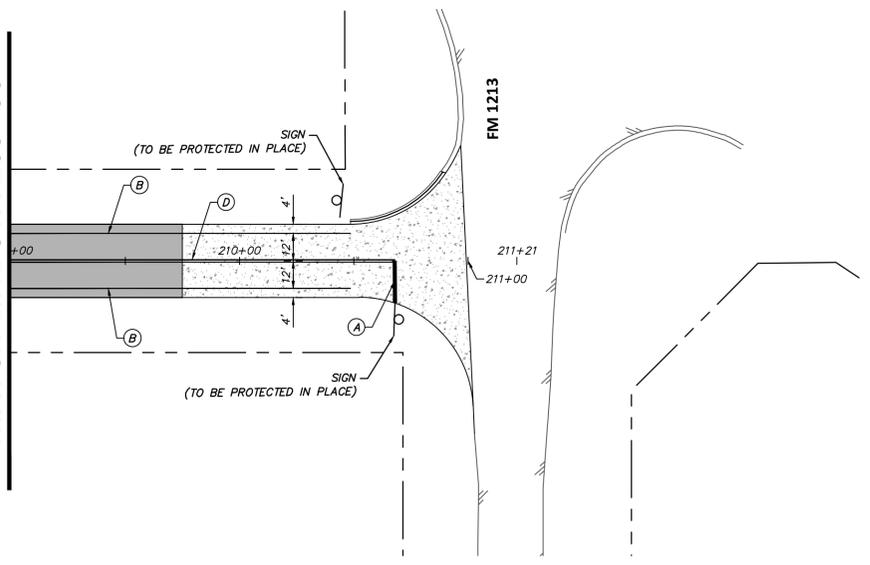
BENCHMARK:
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 198+00

MATCH LINE STA 209+00



MATCH LINE STA 209+00



- NOTES:
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PAVEMENT MARKINGS	
(A)	REFL PAV MRK (W) 18" (SOLID)
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—	INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

RVG	DESIGNED
RAD	DRAWN
JAS	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	1" = 40'
HORIZ	N/A
VERT	N/A
DATE	JUNE 2022

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



MIDLAND COUNTY PRECINCT 2
EAST COUNTY ROAD 120 - PHASE I
MIDLAND COUNTY, TEXAS
**SIGNAGE AND PAVEMENT MARKING PLAN
STA 198+00 TO END**

DA PROJECT
B005664.001
SHEET
59

FILE PATH: G:\Production\B005664\001\Drawings\Plan\Sheet\Signage & Pavement Markings.dwg
PLOTTER: HP DesignJet 5000 Series
PLOT DATE: 06/13/2022