

# MIDLAND COUNTY

## Plans for the Construction of

# EAST COUNTY ROAD 120 & FM 715

# TURN LANE ADDITION

OWNER:  
MIDLAND COUNTY  
MIDLAND, TEXAS

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

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

PROJECT LOCATION



VICINITY MAP

NOT TO SCALE

SHEET INDEX		
SHEET NO.	DESCRIPTION	
COVER		
1	GENERAL NOTES	
2	TYPICAL ASPHALT SECTIONS	
3	TYPICAL CONCRETE SECTIONS	
4	TYPICAL DRIVEWAY SECTIONS	
5	TYPICAL EROSION CONTROL PLAN AND DETAILS	
6	PIPE ENCASEMENT AND MAILBOX DETAILS	
7	MISC DETAILS	
8	TxDOT BARRICADE AND CONSTRUCTION DETAILS	1 OF 3
9	TxDOT BARRICADE AND CONSTRUCTION DETAILS	2 OF 3
10	TxDOT BARRICADE AND CONSTRUCTION DETAILS	3 OF 3
11	TxDOT SIGNAGE DETAILS	
12	TRAFFIC CONTROL PLAN	ADVANCED WARNING SIGNS
13	OVERALL ROADWAY STATIONING	ECR 120 & FM 715
14	PLAN AND PROFILE	ECR 120 & FM 715
15	SIGNAGE AND PAVEMENT MARKINGS	ECR 120 & FM 175


  
 BRIAN W. ADKINS  
 PROJECT ENGINEER  
 JUNE 27, 2025  
 DATE

**DUNAWAY**

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

DA JOB NO. B005664.002

JUNE 2025

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PLANS FOR THE CONSTRUCTION OF E.C.R. 120 & FM 715  
TURN LANE ADDITION  
MIDLAND COUNTY, TEXAS



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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.

**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 "GEOTECHNICAL REPORT".
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION AS REQUIRED BY THE COUNTY AND STATE IN WHICH THE PROJECT IS LOCATED.
- CONTRACTOR SHALL PREPARE, FURNISH, MAINTAIN, AND REMOVE ALL TRAFFIC CONTROL DEVICES THROUGHOUT CONSTRUCTION. ALL DEVICES SHALL BE IN CONFORMANCE WITH THE TEXAS MUTCD, LATEST EDITION AS CURRENTLY AMENDED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ROAD AND DRIVEWAY CLOSURES WITH THE OWNER AND AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL AND SEQUENCING PLAN WITH 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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**MIDLAND COUNTY**  
**MIDLAND, TEXAS**

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

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

**Brian W. Adkins**  
 PROJECT ENGINEER  
 JUNE 27, 2025  
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**MIDLAND COUNTY PRECINCT 2**  
**EAST COUNTY ROAD 120 - TURN LANE**  
**MIDLAND COUNTY, TEXAS**  
**GENERAL NOTES**

DA PROJECT
B005664.002
SHEET
1



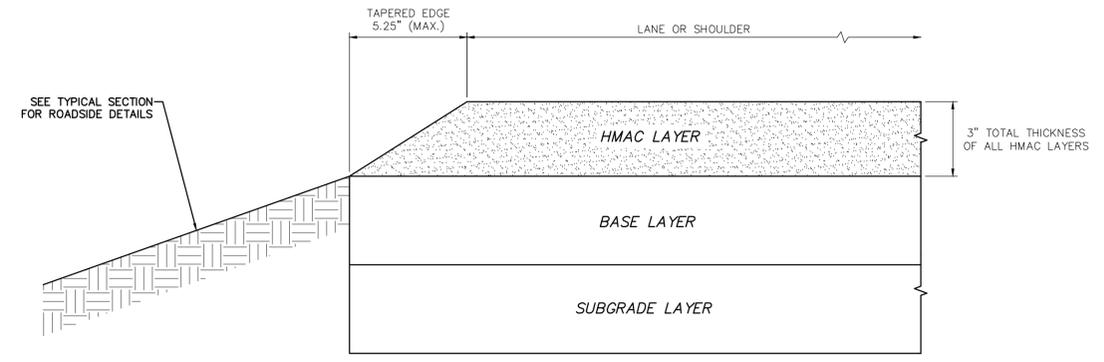
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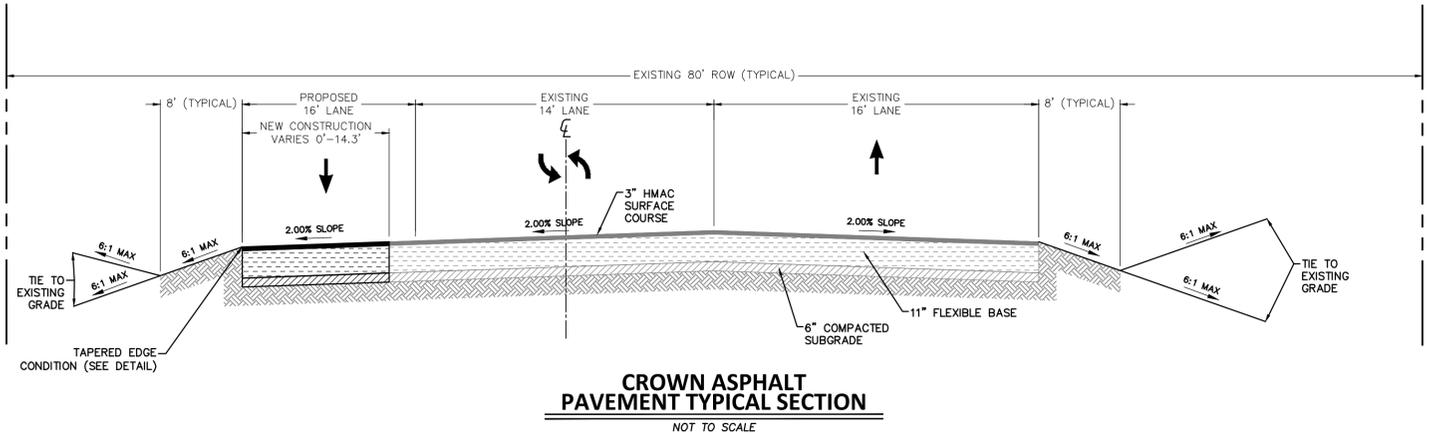
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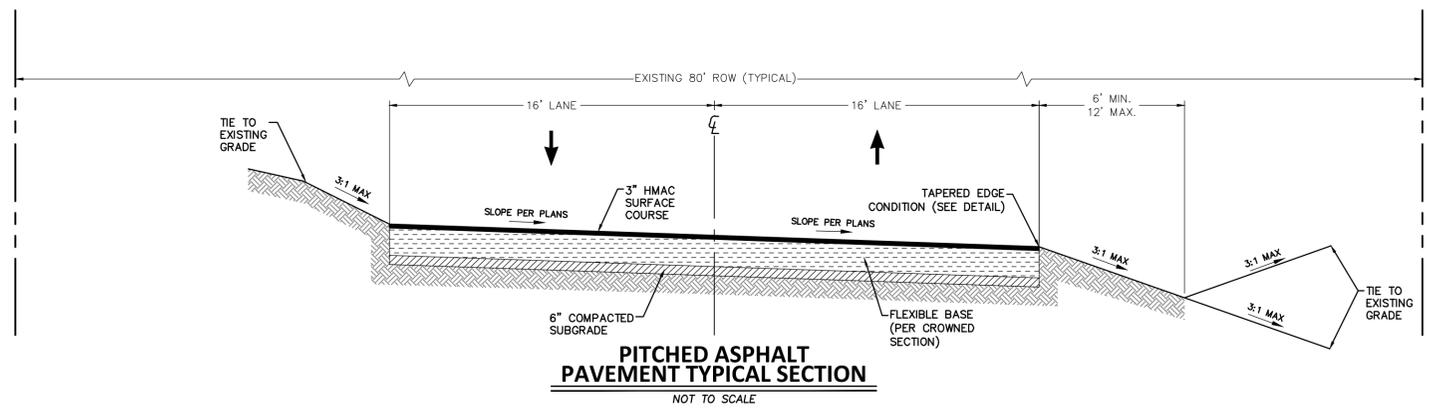
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SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



**TAPERED EDGE CONDITION  
HMAC PAVEMENT**  
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**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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SCALE	
HORIZ	N/A
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**DUNAWAY**  
 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705  
 Tel: 432.699.4889  
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STATE OF TEXAS  
 BRIAN W. ADKINS  
 LICENSED PROFESSIONAL ENGINEER  
 100284  
 PROJECT ENGINEER  
 JUN 27, 2025  
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MIDLAND COUNTY PRECINCT 2	DA PROJECT
EAST COUNTY ROAD 120 - TURN LANE MIDLAND COUNTY, TEXAS	B005664.002
<b>TYPICAL ASPHALT SECTIONS</b>	SHEET
	<b>2</b>



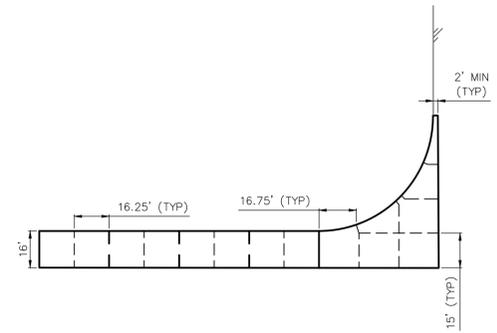
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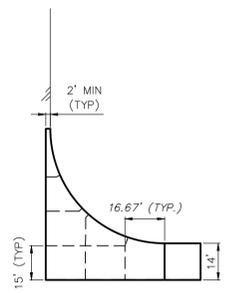
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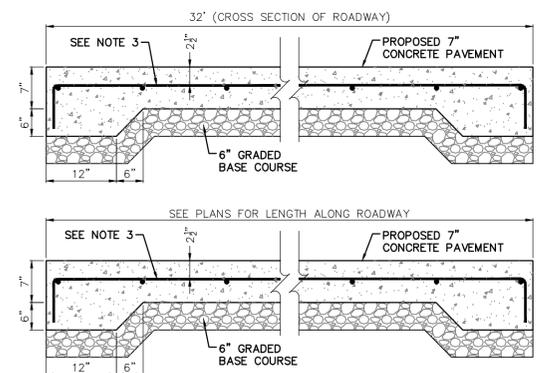
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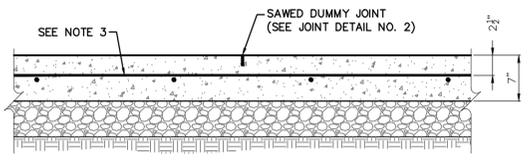
**ROAD SECTION  
STA 103+50 TO STA 105+30**  
NOT TO SCALE



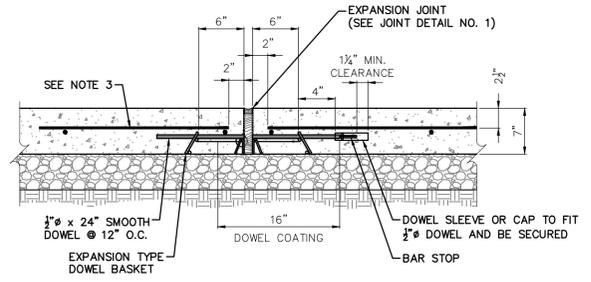
**ROAD SECTION  
STA 105+69 TO STA 106+25**  
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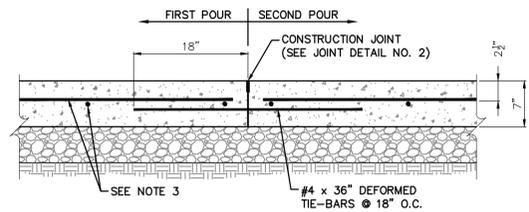
**CONCRETE PAVEMENT TYPICAL SECTION**  
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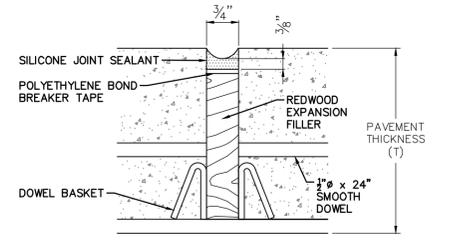
**SAWED DUMMY JOINT**  
NOT TO SCALE



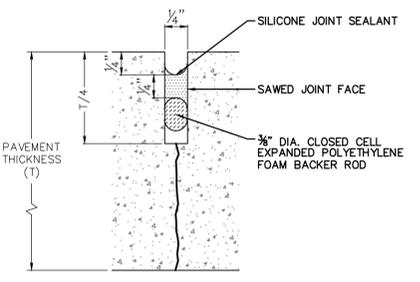
**EXPANSION JOINT**  
NOT TO SCALE



**CONSTRUCTION JOINT**  
NOT TO SCALE



**JOINT DETAIL NO. 1**  
NOT TO SCALE



**JOINT DETAIL NO. 2**  
NOT TO SCALE

- PAVEMENT AND JOINT NOTES:**
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 3000 P.S.I.
  2. REINFORCEMENT SHALL BE #4 BARS AT 18" ON CENTER EACH WAY.
  3. FOR DEFORMED BAR SPLICES, LAP BARS 40 DIAMETERS AND TIE.
  4. ALL DOWELS TO BE PLACED AT T/2.
  5. EXPANSION JOINTS TO BE PLACED AS SHOWN NOT TO EXCEED 100' SPACING.
  6. 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.
  7. 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.
  8. CONSTRUCTION JOINTS SHALL BE REQUIRED AT THE END OF A DAY'S WORK, UNLESS IT ENDS AT AN EXPANSION JOINT.
  9. ALL CONSTRUCTION JOINTS SHALL BE CLEANED OF DEBRIS, BLOWN DRY, AND IMMEDIATELY SEALED.
  10. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
  11. RADIAL JOINTS SHALL BE NO SHORTER THAN 18".
  12. ODD SHAPED PANELS SHALL BE REINFORCED WITH #3 BARS AT 18" EACH WAY. AN ODD SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1 OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.

JOINT LEGEND	
	EXPANSION JOINT
	CONSTRUCTION JOINT
	SAWED DUMMY JOINT

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NO.	REVISION	BY	DATE	CHECKED

RAR	DESIGNED
RAR	DRAWN
BWA	BWA
	CHECKED

**MIDLAND COUNTY  
MIDLAND, TEXAS**

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

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

**STATE OF TEXAS**  
BRIAN W. ADKINS  
100284  
LICENSED PROFESSIONAL ENGINEER  
PROJECT ENGINEER  
BRIAN W. Adkins  
JUNE 27, 2025  
DATE

MIDLAND COUNTY PRECINCT 2  
EAST COUNTY ROAD 120 - TURN LANE  
MIDLAND COUNTY, TEXAS  
**TYPICAL CONCRETE SECTIONS**

DA PROJECT B005664.002
SHEET <b>3</b>



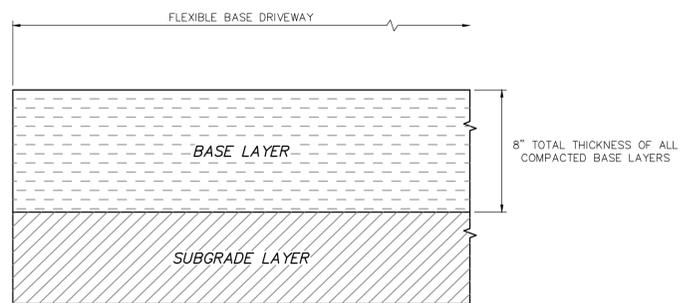
**WARNING TO CONTRACTOR:**  
CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. DUNAWAY ASSOC., L.P. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

**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.

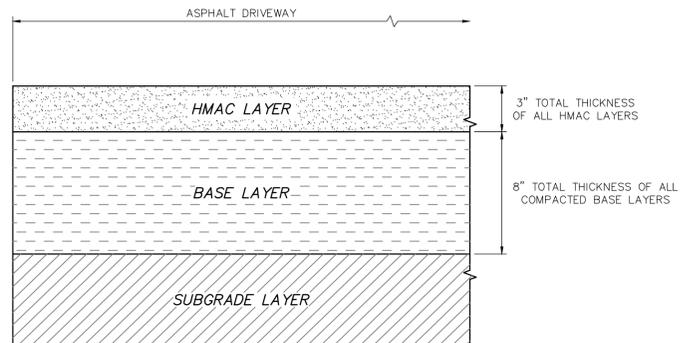
**UTILITY RELOCATION NOTE:**  
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL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

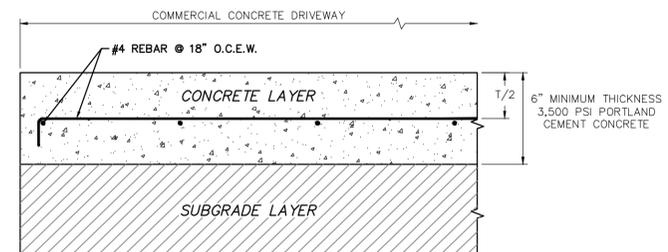
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SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



**TYPICAL FLEXIBLE BASE DRIVEWAY SECTION**  
NOT TO SCALE



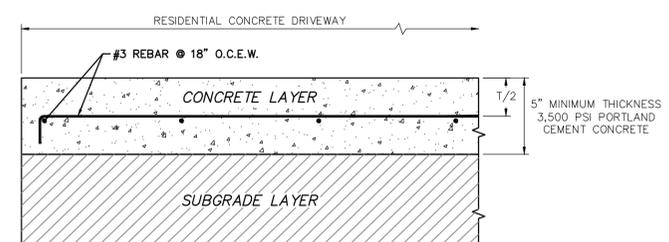
**TYPICAL ASPHALT DRIVEWAY SECTION**  
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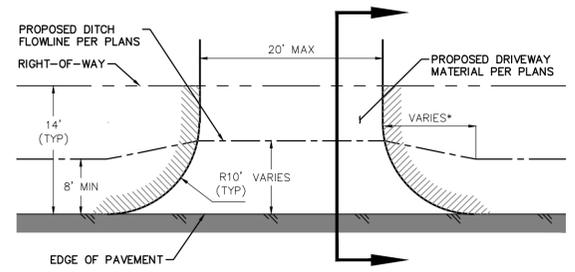
COMMERCIAL

**TYPICAL CONCRETE DRIVEWAY SECTIONS**  
NOT TO SCALE

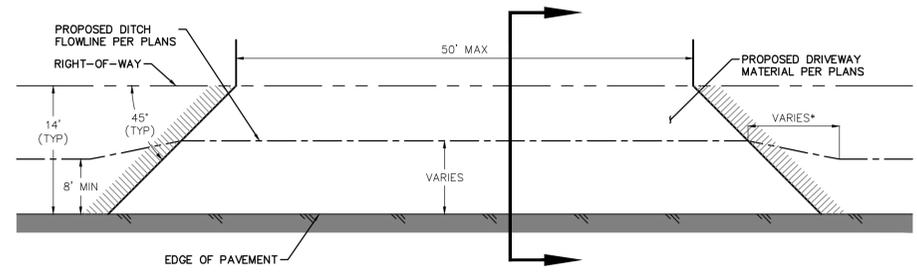
NOTE:  
CONTRACTOR TO FOLLOW TYPICAL CONCRETE SECTIONS SHEET FOR JOINTING DETAILS AND NOTES.



RESIDENTIAL



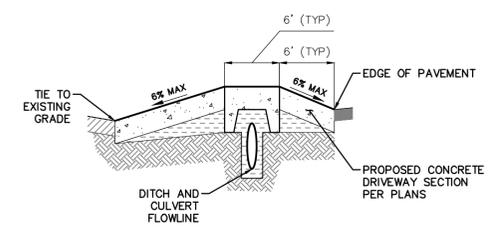
RESIDENTIAL PLAN VIEW



COMMERCIAL PLAN VIEW

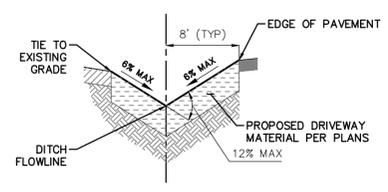
VARIES\* - LENGTH TO PROVIDE A SMOOTH TRANSITION IN DITCH CENTERLINE. TYPICAL LENGTH OF 5' FOR EVERY 1' OF HORIZONTAL ADJUSTMENT (5:1).

**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

DALLC	DESIGNED	
DALLC	DRAWN	
BWA	CHECKED	

MIDLAND COUNTY  
MIDLAND, TEXAS

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

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

STATE OF TEXAS  
BRIAN W. ADKINS  
100284  
LICENSED PROFESSIONAL ENGINEER  
PROJECT ENGINEER  
JUNE 27, 2025  
DATE

MIDLAND COUNTY PRECINCT 2	DA PROJECT
EAST COUNTY ROAD 120 - TURN LANE MIDLAND COUNTY, TEXAS	B005664.002
<b>TYPICAL DRIVEWAY SECTIONS</b>	SHEET
	<b>4</b>

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 PLOTTED BY: Allison Adams  
 PLOTTED DATE: 11/20/2025  
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**WARNING TO CONTRACTOR:**  
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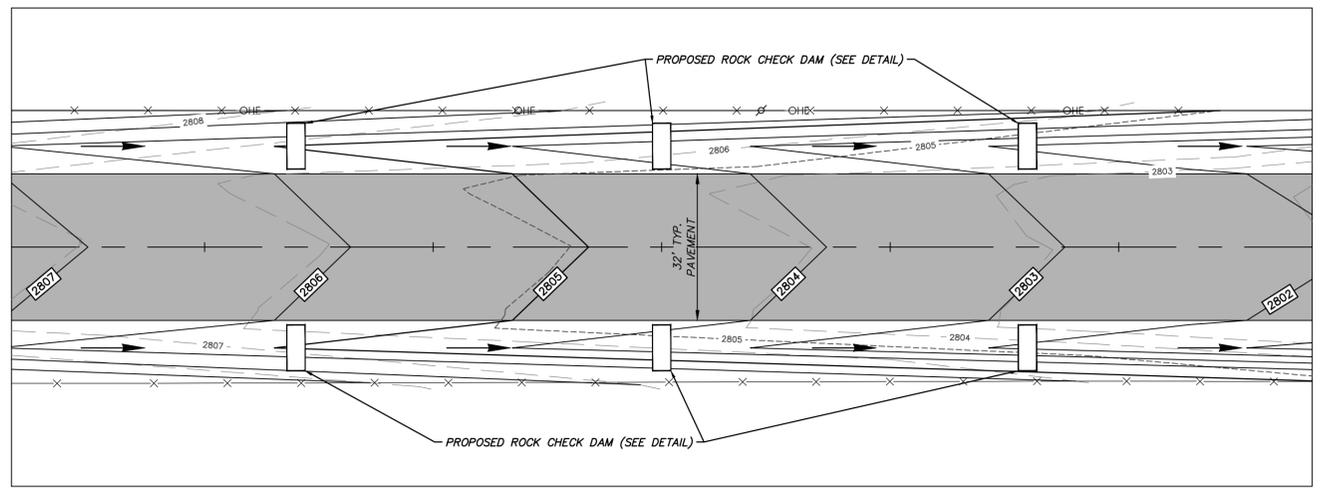
**CRITICAL:**  
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**UTILITY RELOCATION NOTE:**  
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

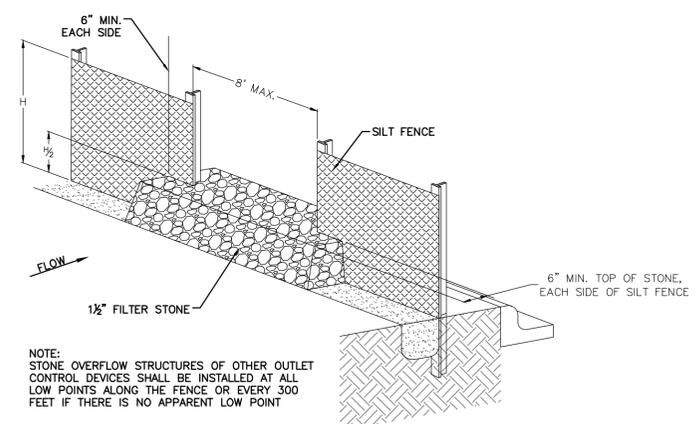
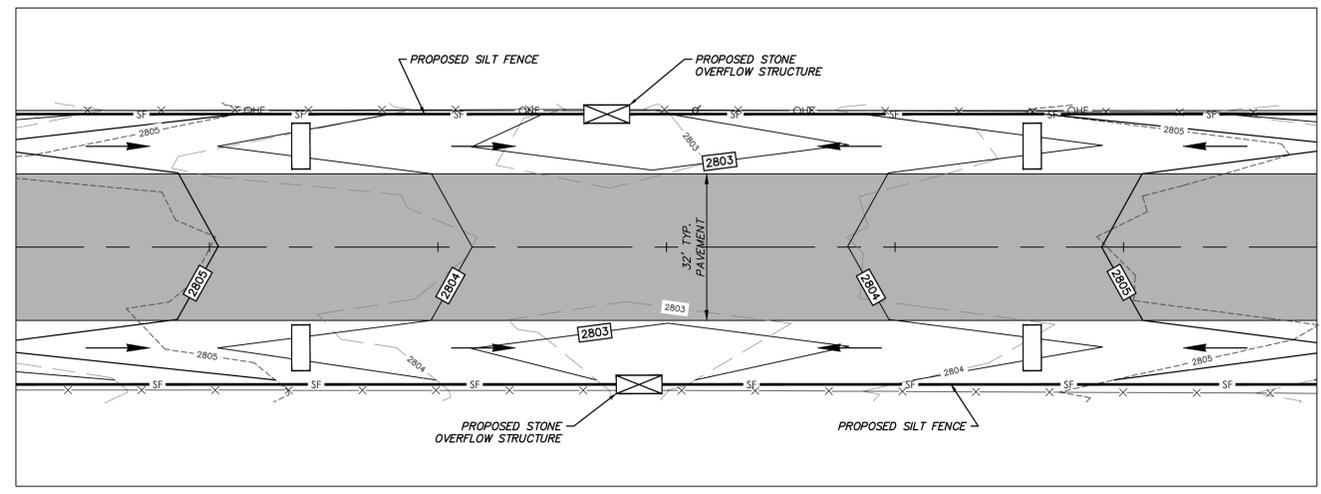
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**BENCHMARK:**  
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

### TYPICAL EROSION CONTROL PLAN WITH ROADWAY DITCHES

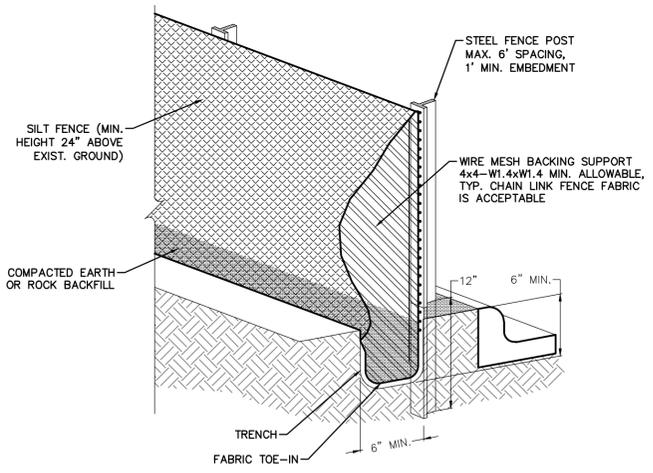


### TYPICAL EROSION CONTROL PLAN WITH DRAINAGE EXITING R.O.W.



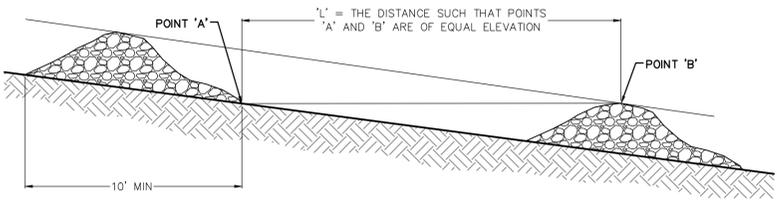
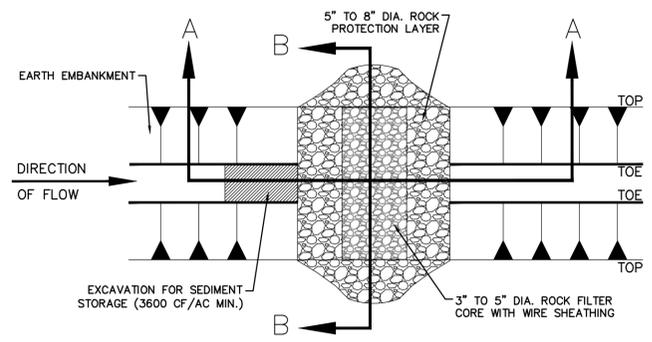
**SILT FENCE STONE OVERFLOW STRUCTURE**  
NOT TO SCALE

- SILT FENCE GENERAL NOTES:**
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.

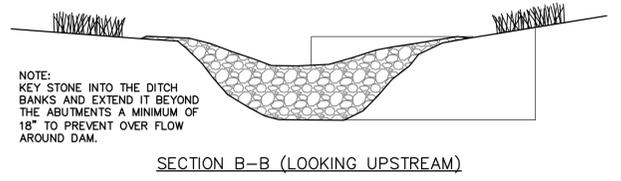


**SILT FENCE**  
NOT TO SCALE

- 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 DREGED 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 AT: 11:30:45 AM  
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BWA	CHECKED

**MIDLAND COUNTY  
MIDLAND, TEXAS**

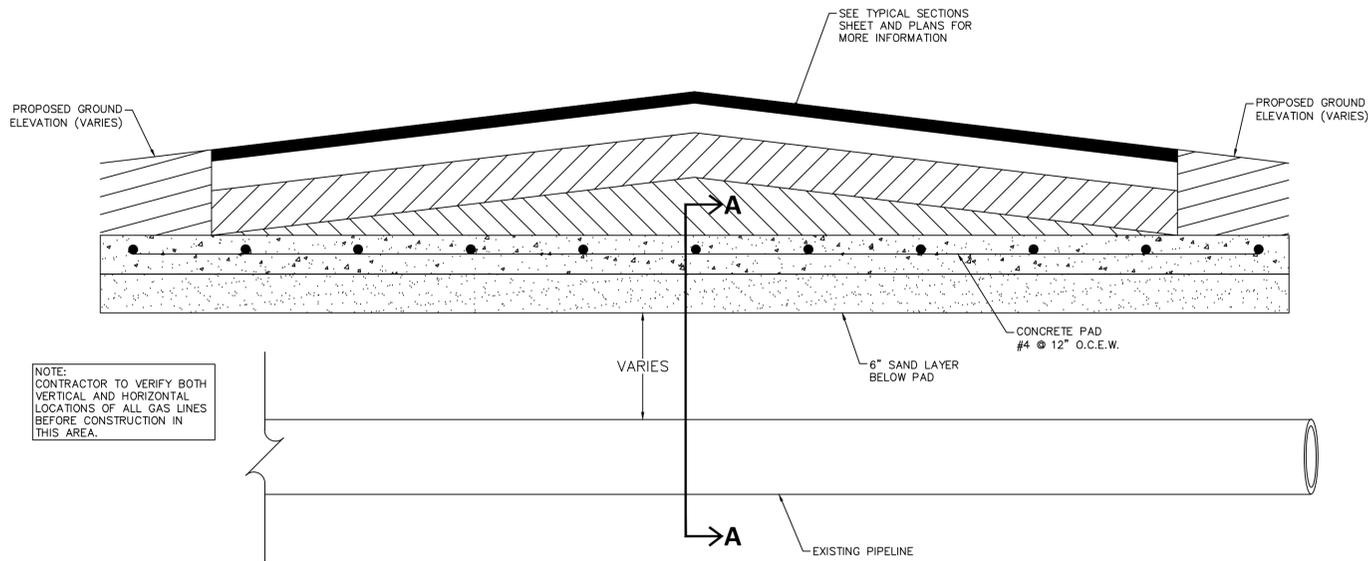
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VERT	N/A
DATE	JUNE 2025

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

STATE OF TEXAS  
 100284  
 BRIAN W. ADKINS  
 LICENSED PROFESSIONAL ENGINEER  
 PROJECT ENGINEER  
 Brian W. Adkins  
 JUNE 27, 2025  
 DATE

MIDLAND COUNTY PRECINCT 2  
 EAST COUNTY ROAD 120 - TURN LANE  
 MIDLAND COUNTY, TEXAS  
**TYPICAL EROSION CONTROL  
 PLAN AND DETAILS**

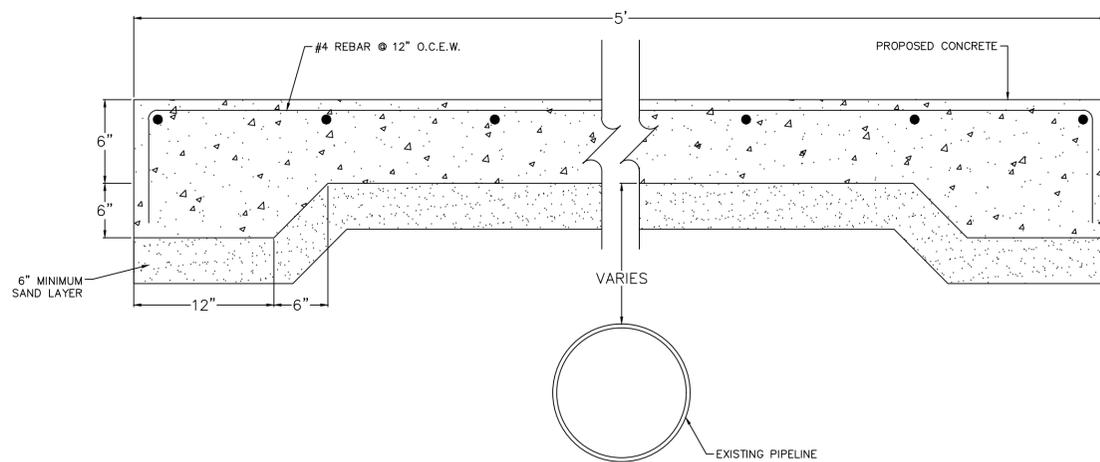
DA PROJECT	B005664.002
SHEET	5



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

NOTES:

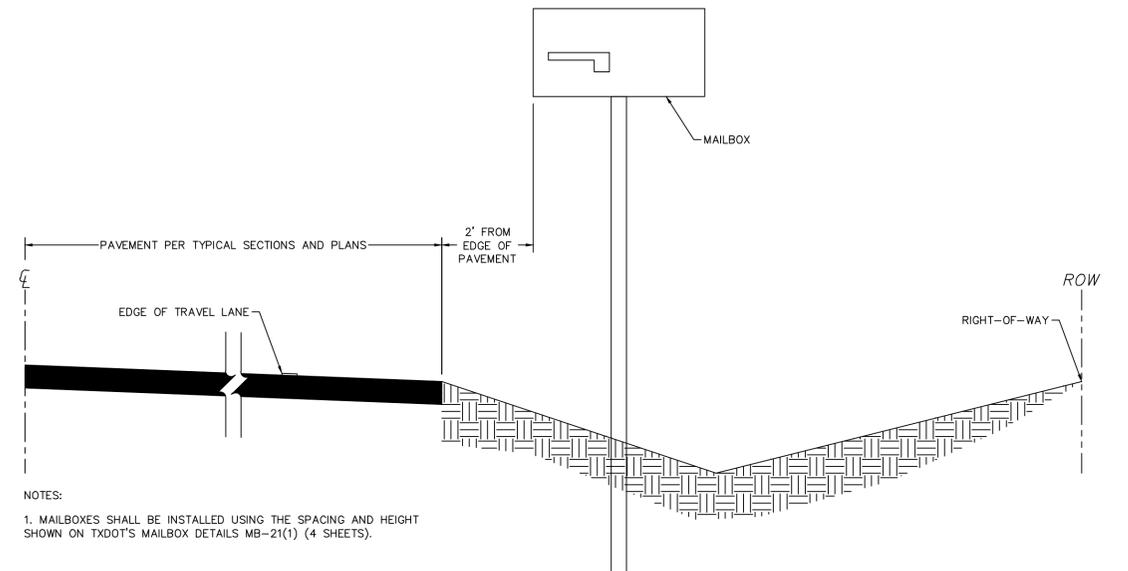
1. CONCRETE SHALL BE CLASS "A" AND SHALL HAVE A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD AND A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3500 P.S.I.
2. MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO TXDOT STANDARD SPECIFICATIONS.
3. REINFORCEMENT SHALL BE #4 BARS AT 12" ON CENTER EACH WAY.
4. CONTRACTOR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



NOTES:

1. MAILBOXES SHALL BE INSTALLED USING THE SPACING AND HEIGHT SHOWN ON TXDOT'S MAILBOX DETAILS MB-21(1) (4 SHEETS).

**MAILBOX SPACING FROM EDGE OF PAVEMENT**

NOT TO SCALE

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PLOT DATE: 11/21/2025

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RAR	DRAWN
BWA	CHECKED

**MIDLAND COUNTY  
MIDLAND, TEXAS**

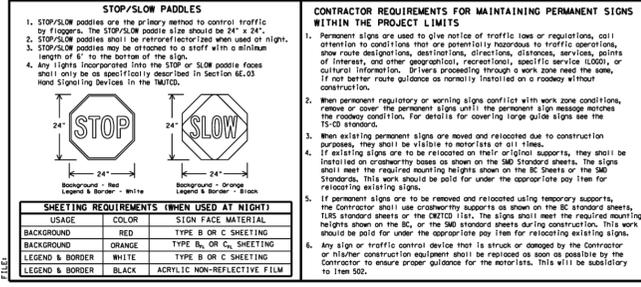
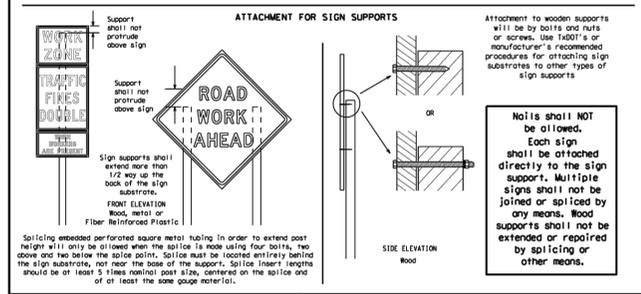
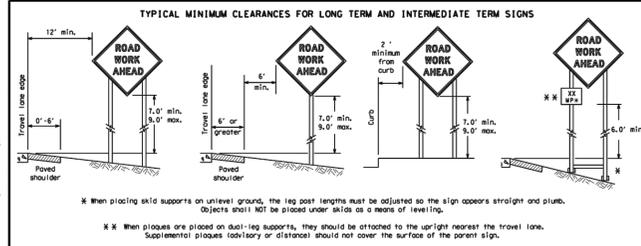
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	VERT	N/A
	DATE	JUNE 2025

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

STATE OF TEXAS  
BRIAN W. ADKINS  
100284  
LICENSED PROFESSIONAL ENGINEER  
*Brian W. Adkins*  
PROJECT ENGINEER  
JUNE 27, 2025  
DATE

MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - TURN LANE MIDLAND COUNTY, TEXAS	DA PROJECT B005664.002
<b>PIPE ENCASUREMENT AND MAILBOX DETAILS</b>	SHEET <b>6</b>





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

GENERAL NOTES FOR WORK ZONE SIGNS (continued)
2. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and barricade work areas.

GENERAL NOTES FOR WORK ZONE SIGNS (continued)
3. The Contractor shall be responsible for selecting the appropriate sign size and sign for the type of work being performed.

GENERAL NOTES FOR WORK ZONE SIGNS (continued)
4. The Contractor shall be responsible for maintaining signs in a straight and plane condition and/or as directed by the Engineer.

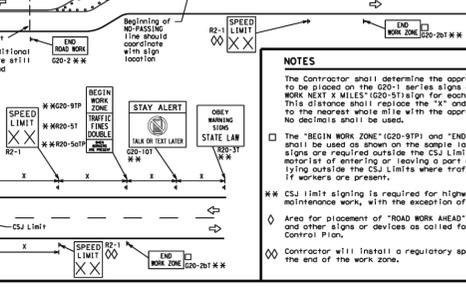
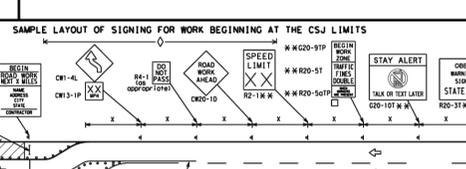
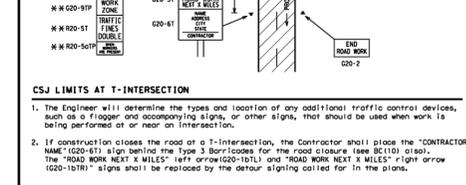
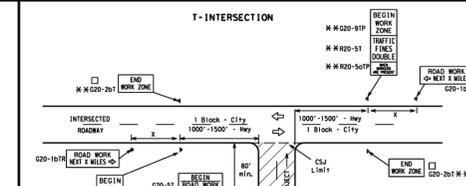
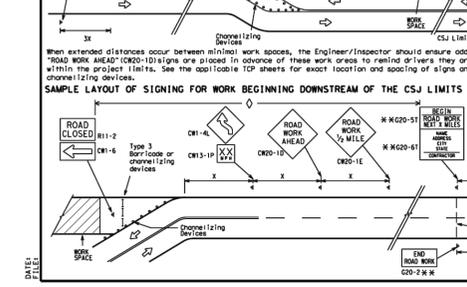
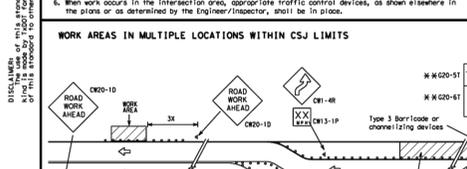
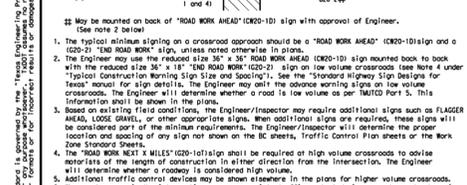
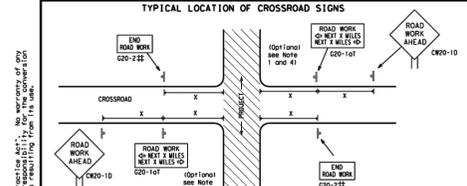
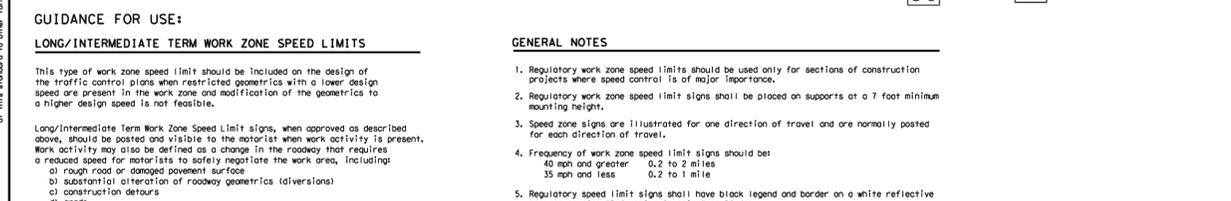
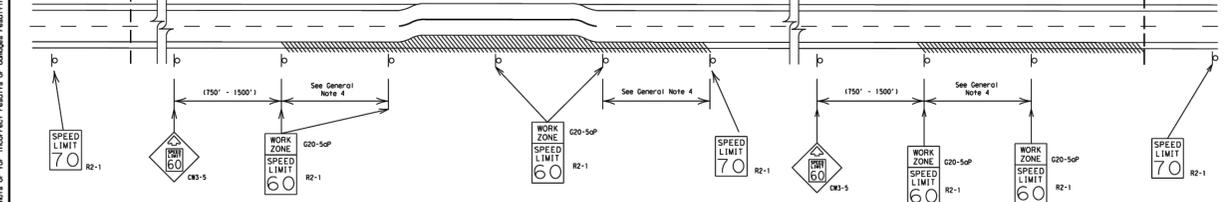
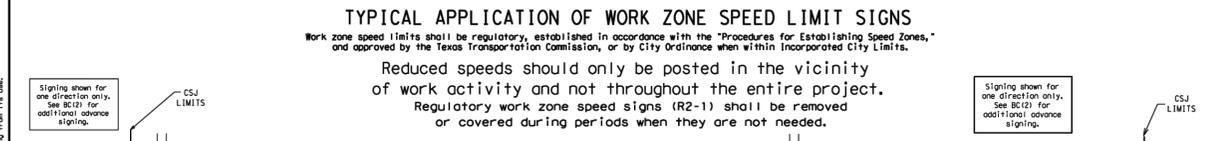


Table with columns: Sign Number or Series, Conventional Road, Expressway/Freeway, Posted Speed, Sign Spacing, and Sign Size. It lists various sign types and their corresponding specifications.

GENERAL NOTES
1. Special or larger size signs may be used as necessary.

GENERAL NOTES (continued)
2. Distance between signs should be increased as required to have 1500 feet advance warning.

Table with columns: Sign Number or Series, Conventional Road, Expressway/Freeway, Posted Speed, Sign Spacing, and Sign Size. It lists various sign types and their corresponding specifications.



GENERAL NOTES
1. Regulatory work zone speed limit signs should be used only for sections of construction projects where speed control is of major importance.

GENERAL NOTES (continued)
2. Regulatory work zone speed limit signs shall be placed on supports at a 7 foot minimum mounting height.

BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:
1. The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs.

BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES: (continued)
2. The development and design of the Traffic Control Plan (TCP) is the responsibility of the Engineer.

BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES: (continued)
3. The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval.

BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES: (continued)
4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES: (continued)
5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.

WORKER SAFETY NOTES:
1. Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA American National Standard for high-visibility Apparel, or equivalent devices and labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES
1. Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZCD) describes pre-qualified products and their sources.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES (continued)
2. Work zone traffic control devices shall be compliant with the Manual for Assessing Safety Hardware (MSHA).

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT
http://www.txdot.gov
COMPLIANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZCD)

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT (continued)
DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS)
MATERIAL PRODUCER LIST (MPL)

WORKER SAFETY NOTES (continued)
2. Except in emergency situations, flagger stations shall be illuminated when flagging is used at night.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES (continued)
3. The Contractor shall be responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES (continued)
4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES (continued)
5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES (continued)
6. When projects about, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists.

Table with columns: NO., REVISION, BY, DATE, CHECKED. It is used for tracking revisions to the drawing.

Table with columns: SCALE, HORIZ, RAR, DRAWN, BWA, DATE, JUNE 2025. It contains drawing metadata and dates.

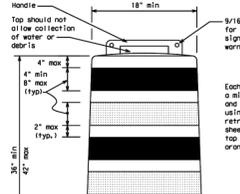
DUNAWAY logo and contact information: 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705. Tel: 432.699.4889. TX REG. F-1114.

MIDLAND COUNTY PRECINCT 2 EAST COUNTY ROAD 120 - TURN LANE MIDLAND COUNTY, TEXAS. TxDOT BARRICADE AND CONSTRUCTION DETAILS 1 OF 3. DA PROJECT B005664.002. SHEET 8.



GENERAL NOTES

- 1. For long term stationary work zones on freeways, drums shall be used as the primary channelizing device.



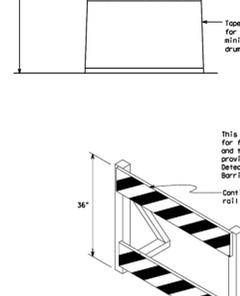
PLASTIC, ALUMINUM OR METAL SIGN SUBSTRATES SHALL NOT BE USED ON PLASTIC DRUMS

SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

- 1. Signs used on plastic drums shall be manufactured using substrates listed on the CRD102.

GENERAL DESIGN REQUIREMENTS

- 1. Plastic drums shall be a two-piece design the "body" of the drum shall be the top portion and the "base" shall be the bottom.



RETROREFLECTIVE SHEETING

- 1. The sheeting used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Department Materials Specification 805-8000, "Sign Face Material", Type A or Type B.

DETECTABLE PEDESTRIAN BARRICADES

- 1. Existing pedestrian facilities are sidewalks, closed, or reopened in the TCE zone, the temporary facilities shall be constructed and include accessibility features consistent with the features present in the existing pedestrian facility.

DETECTABLE PEDESTRIAN BARRICADES

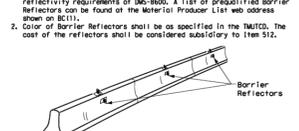
- 1. Unisolated bases shall be large enough to hold up to 50 lbs. of sand.

SHEET 8 OF 12

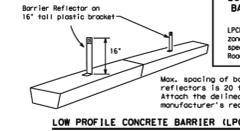
BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

Table with columns: ITEM, QUANTITY, UNIT, PRICE, TOTAL, and notes.

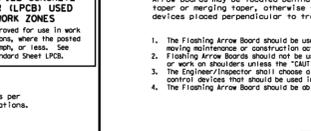
LOW PROFILE CONCRETE BARRIER (LPCB) USED IN WORK ZONES



CONCRETE TRAFFIC BARRIER (CTB)



DELIMITATION OF END TREATMENTS



BARRIER REFLECTORS FOR CONCRETE TRAFFIC BARRIER AND ATTENUATORS

- 1. Barrier reflectors shall be pre-assembled, and conform to the color and reflective requirements of 805-8000. A list of pre-assembled barrier reflectors is found on the Attachment List web address shown on BC(1).

WARNING LIGHTS

- 1. Warning lights shall meet the requirements of the MUTCD.

FLASHING ARROW BOARDS

- 1. The flashing arrow board should be used for all lane closures on multi-lane roadways, or division of traffic on roadways.

TRUCK-MOUNTED ATTENUATORS

- 1. Truck-mounted attenuators (TMAs) used on TADOT facilities must meet the requirements outlined in the Manual for Assessing Safety Hardware (MSH).

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

Table with columns: ITEM, QUANTITY, UNIT, PRICE, TOTAL, and notes.

RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES

(The Engineer may approve other messages not specifically covered here.)

Table with columns: Road/Lane/Ramp Closure List, Other Condition List, Action to Take/Effect on Travel, Location List, Warning List, and Advance Notice List.

APPLICATION GUIDELINES

- 1. Only 1 or 2 phases are to be used on a PCMS.

WORDING ALTERNATIVES

- 1. The words RIGHT, LEFT and ALL can be interchanged as appropriate.

PHASE 1: CONDITION LISTS

Table with columns: Road/Lane/Ramp Closure List, Other Condition List, Action to Take/Effect on Travel, Location List, Warning List, and Advance Notice List.

PHASE 2: POSSIBLE COMPONENT LISTS

Table with columns: Road/Lane/Ramp Closure List, Other Condition List, Action to Take/Effect on Travel, Location List, Warning List, and Advance Notice List.

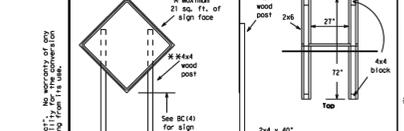
PHASE 1: CONDITION LISTS

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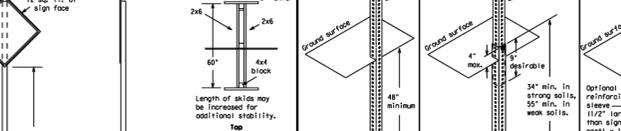
PHASE 2: POSSIBLE COMPONENT LISTS

Table with columns: Road/Lane/Ramp Closure List, Other Condition List, Action to Take/Effect on Travel, Location List, Warning List, and Advance Notice List.

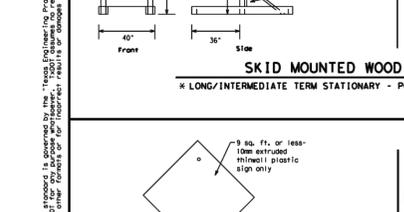
SKID MOUNTED WOOD SIGN SUPPORTS



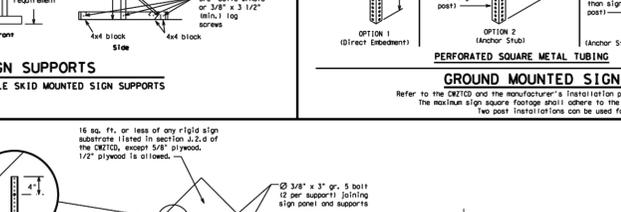
GROUND MOUNTED SIGN SUPPORTS



SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS



WEDGE ANCHORS



OTHER DESIGNS

- 1. Mutts may be used in the assembly of wooden sign supports.

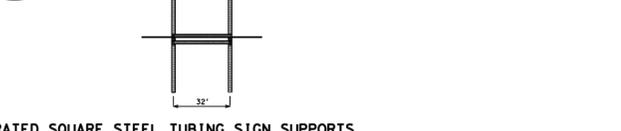
GENERAL NOTES

- 1. Mutts may be used in the assembly of wooden sign supports.

SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS



WEDGE ANCHORS



OTHER DESIGNS

- 1. Mutts may be used in the assembly of wooden sign supports.

GENERAL NOTES

- 1. Mutts may be used in the assembly of wooden sign supports.

Table with columns: NO., REVISION, BY, DATE, CHECKED.

Scale information: SCALE HORIZ N/A, VERT N/A, DATE JUNE 2025. MIDLAND COUNTY MIDLAND, TEXAS.

Professional Engineer seal for Brian W. Collins, State of Texas, License No. 100284. PROJECT ENGINEER JUNE 27, 2025.

Project information: MIDLAND COUNTY PRECINCT 2, EAST COUNTY ROAD 120 - TURN LANE, MIDLAND COUNTY, TEXAS. TxDOT BARRICADE AND CONSTRUCTION DETAILS 2 OF 3. DA PROJECT 0055664.002. SHEET 9.







**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.

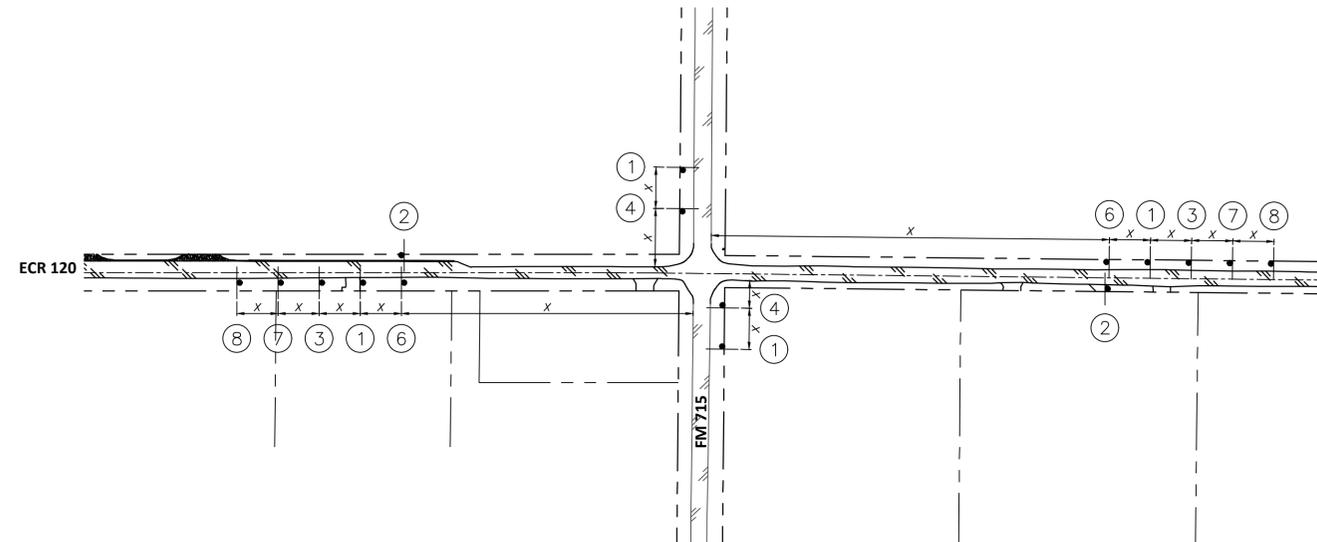
**CRITICAL:**  
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

**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.

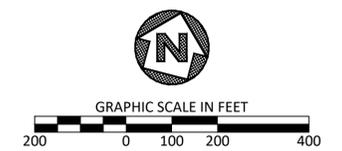
**BENCHMARK:**  
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

# TRAFFIC CONTROL PLAN



①  CW20-1D 36" X 36"	②  G20-2 48" X 24"	③  R2-1 24" X 30"	④  G20-1aT 72" X 36"	⑤L  G20-1bTL 72" X 24"	⑥  G20-5T 48" X 24"	⑦  G20-9TP 36" X 30"	⑧  R20-3T 48" X 42"
			⑤R  G20-1bTLR 72" X 24"	⑥  G20-6 48" X 30"	⑦  R20-5aTP 36" X 18"		

- GENERAL TRAFFIC CONTROL NOTES:**
1. THE ADVANCE WARNING SIGNS SHALL BE LOCATED IN ADVANCE OF THE PHASING TRAFFIC CONTROL SEQUENCING FOR THE ABOVE LOCATIONS.
  2. THE ADVANCE WARNING SIGNS SHALL REMAIN IN PLACE FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.
  3. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEAR ZONE (MEASURED FROM THE EDGE OF THE ADJACENT TRAFFIC LANE) DURING NON-WORK HOURS.
  4. "X" REFER TO BC(2)-21 FOR SPACING.
  5. WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TXDOT STANDARDS TCP(2-8)-23, LONG TERM ONE-LANE TWO-WAY CONTROL.
  6. FOR STA 101+95.80 TO STA 109+45.18 REFER TO TXDOT CONSTRUCTION DETAILS



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 PLOTTED BY: ARIAN ADKINS  
 PLOTTED DATE: 06/25/2025

NO.	REVISION	BY	DATE

DESIGNED: BWA  
 DRAWN: RAR  
 CHECKED: BWA

**MIDLAND COUNTY  
 MIDLAND, TEXAS**

SCALE  
 HORIZ  
 1" = 200'  
 VERT  
 N/A  
 DATE  
 JUNE  
 2025

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

Brian W. Adkins  
 PROJECT ENGINEER  
 JUNE 27, 2025  
 DATE

MIDLAND COUNTY PRECINCT 2  
 EAST COUNTY ROAD 120 - TURN LANE  
 MIDLAND COUNTY, TEXAS

**TRAFFIC CONTROL PLAN  
 ADVANCED WARNING SIGNS**

DA PROJECT  
 B005664.002

SHEET  
**12**



**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.

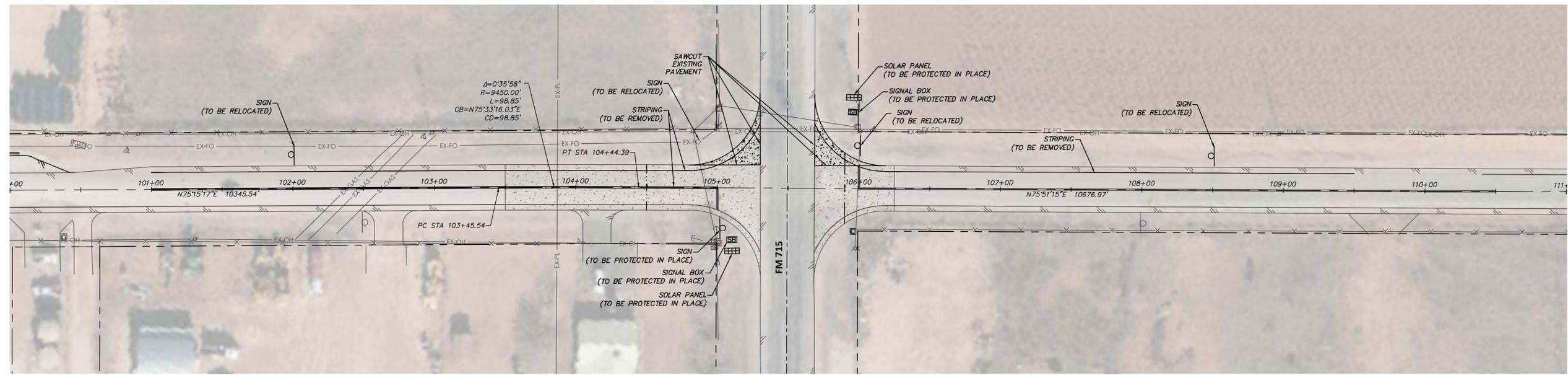
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**BENCHMARK:**  
 SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

# EAST COUNTY ROAD 120



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 PLOTTED AT: 11:33:22 AM  
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RAR  
 DESIGNED  
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 DRAWN  
 BWA  
 CHECKED

**MIDLAND COUNTY  
 MIDLAND, TEXAS**

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

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

PROJECT ENGINEER  
 JUNE 27, 2025  
 DATE

MIDLAND COUNTY PRECINCT 2  
 EAST COUNTY ROAD 120 - TURN LANE  
 MIDLAND COUNTY, TEXAS  
 OVERALL ROADWAY STATIONING  
 ECR 120 & FM 715

DA PROJECT  
 B005664.002  
 SHEET  
**13**



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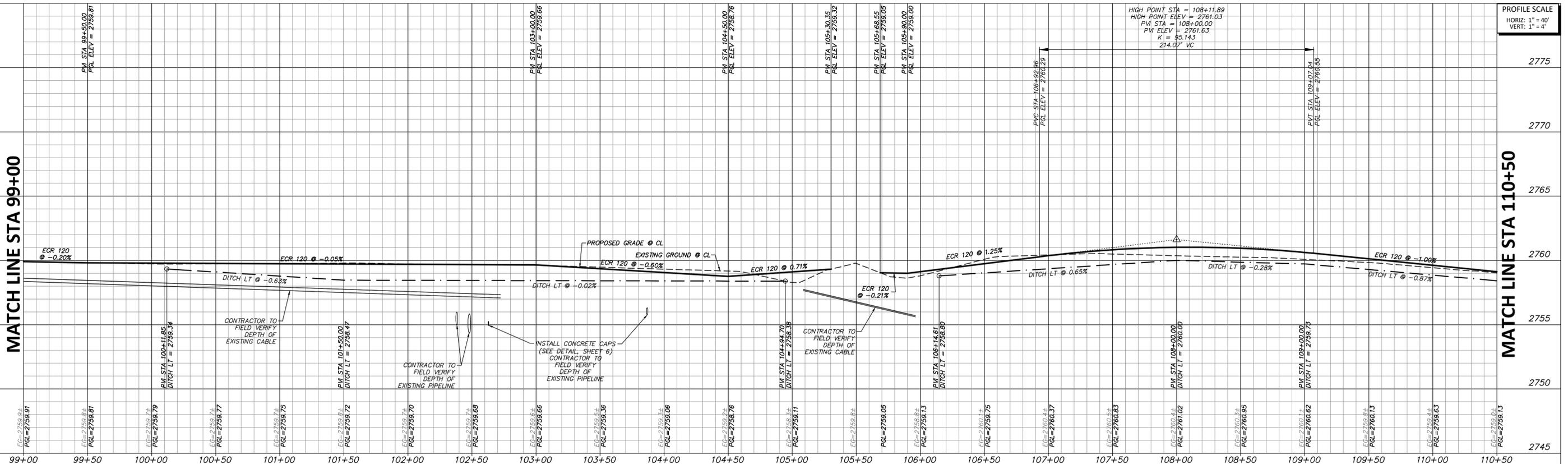
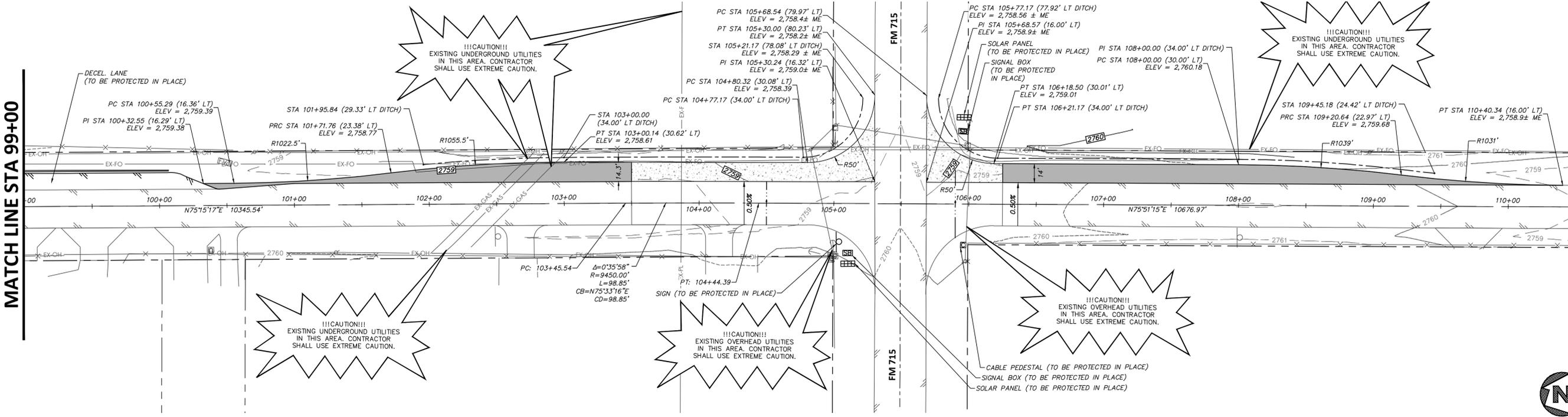
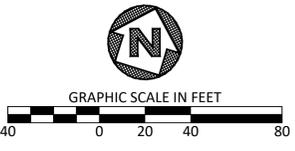
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**BENCHMARK:**  
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

MATCH LINE STA 99+00

MATCH LINE STA 110+50

# EAST COUNTY ROAD 120



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 PLOTTED BY: Amir Adnan  
 PLOTTED AT: 9:35:57 AM

NO.	REVISION	BY	DATE	CHECKED

RAR DESIGNED  
 RAR DRAWN  
 BWA CHECKED

**MIDLAND COUNTY  
 MIDLAND, TEXAS**

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

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

STATE OF TEXAS  
 100284  
 B. W. ADKINS  
 PROFESSIONAL ENGINEER  
 PROJECT ENGINEER  
 B. W. ADKINS  
 JUNE 27, 2025  
 DATE

MIDLAND COUNTY PRECINCT 2  
 EAST COUNTY ROAD 120 - TURN LANE  
 MIDLAND COUNTY, TEXAS

**PLAN AND PROFILE  
 ECR 120 & FM 715**

DA PROJECT B005664.002  
 SHEET 14



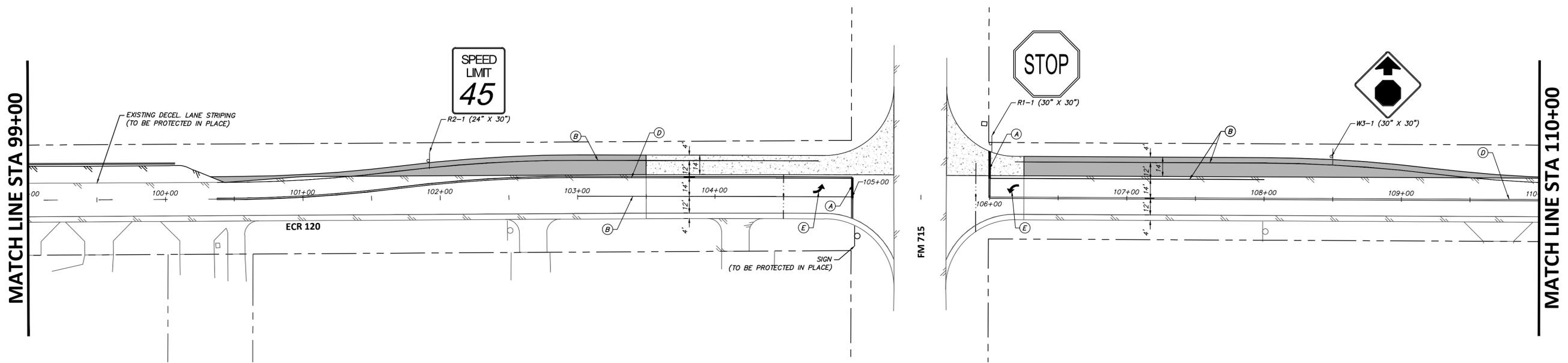
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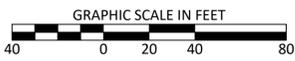
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**BENCHMARK:**  
 SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



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

- 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.



NO.	REVISION	BY	DATE

	RAR
	DESIGNED
	RAR
	DRAWN
	BWA
	CHECKED

**MIDLAND COUNTY  
 MIDLAND, TEXAS**

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

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

STATE OF TEXAS  
 BRIAN W. ADKINS  
 100284  
 LICENSED PROFESSIONAL ENGINEER  
 PROJECT ENGINEER  
 JUNE 27, 2025  
 DATE

MIDLAND COUNTY PRECINCT 2	DA PROJECT B005664.002
EAST COUNTY ROAD 120 - TURN LANE MIDLAND COUNTY, TEXAS	SHEET
<b>SIGNAGE AND PAVEMENT MARKINGS ECR 120 &amp; FM 175</b>	<b>15</b>

FILE NAME: SIGNAGE & PAVEMENT MARKINGS.dwg  
 PLOTTED BY: Brian Adams  
 PLOTTED DATE: 11/24/2025  
 FULL PATH: P:\0506015664002\Cad\pdsheets\SIGNAGE & PAVEMENT MARKINGS.dwg