

# MIDLAND COUNTY

## Plans for the Reconstruction of

# EAST COUNTY ROAD 120 - PHASE II

## FROM SH 158 TO FM 1379

OWNER:  
MIDLAND COUNTY  
MIDLAND, TEXAS

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

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

PROJECT LOCATION



**VICINITY MAP**

NOT TO SCALE



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

DA JOB NO. B005663.001

# OCTOBER 2022

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92	SIGNAGE AND PAVEMENT MARKINGS PLAN	STA 352+00 TO END

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PLANS FOR THE RECONSTRUCTION OF E.C.R. 120 - PHASE II  
FROM SH 158 TO FM 1379  
MIDLAND COUNTY, TEXAS



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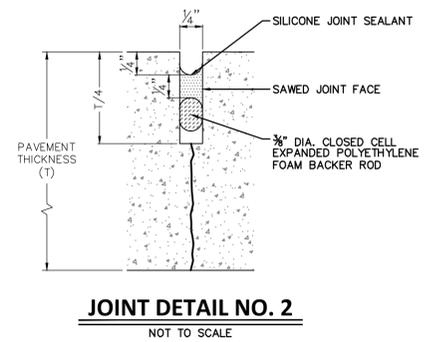
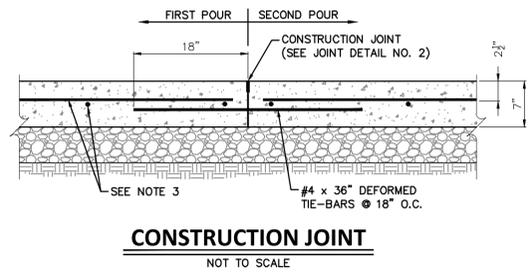
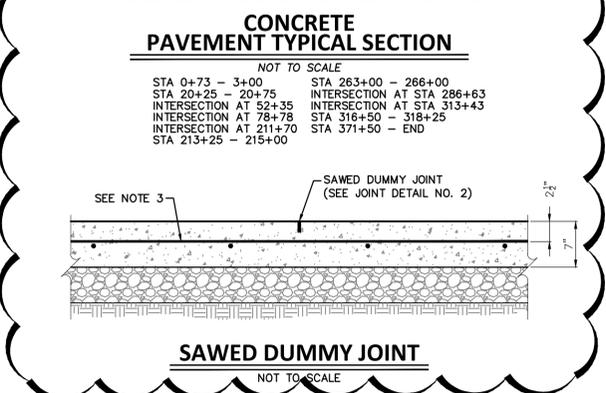
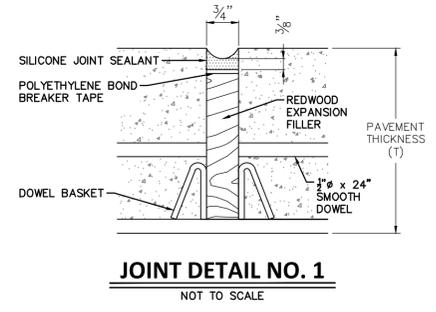
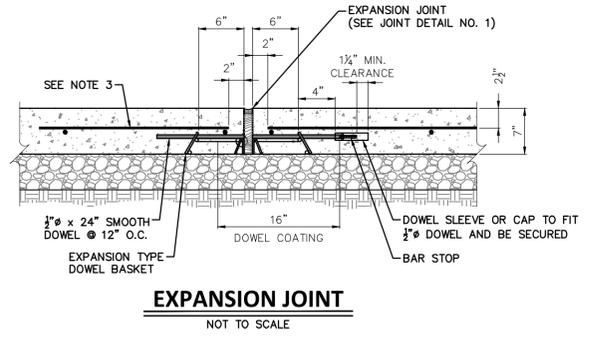
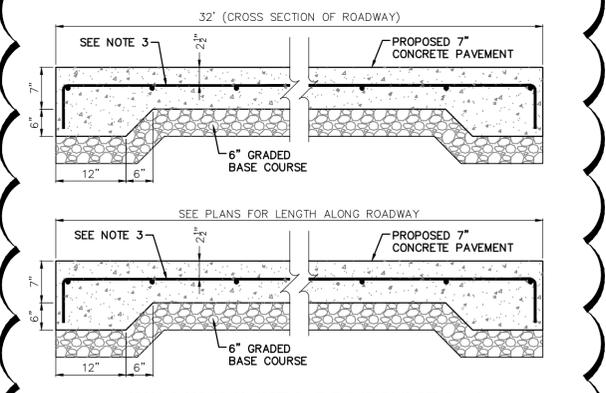
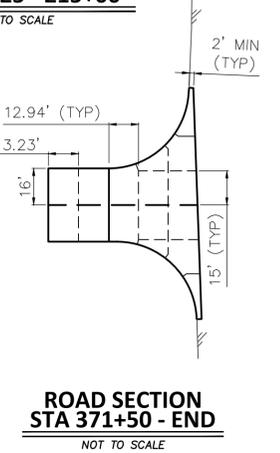
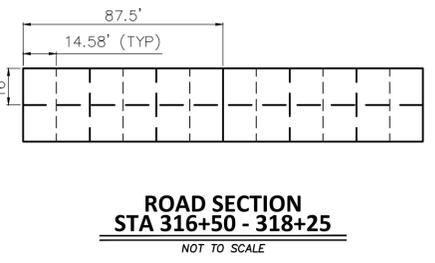
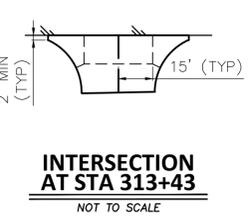
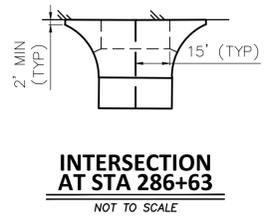
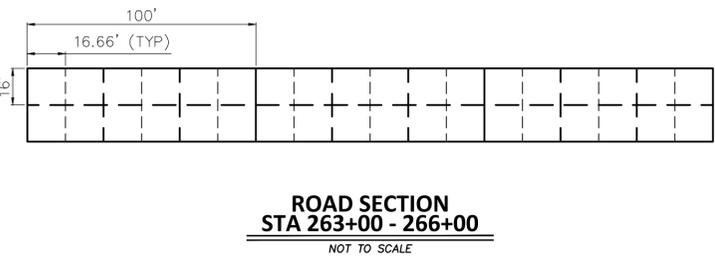
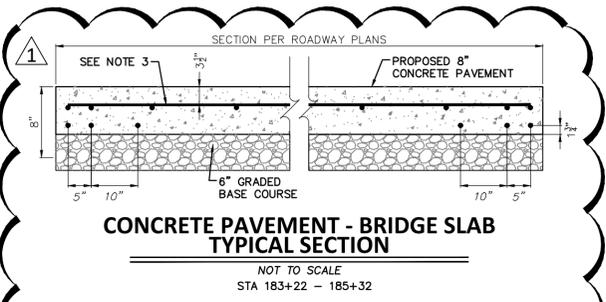
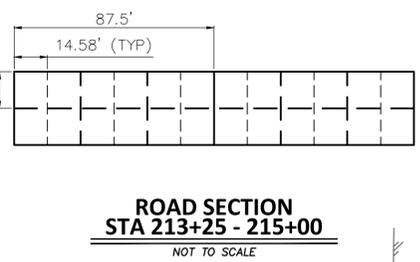
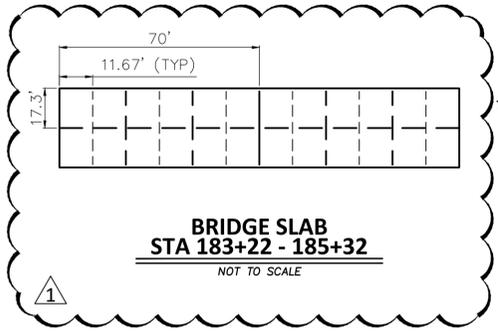
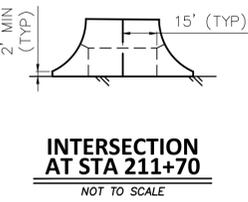
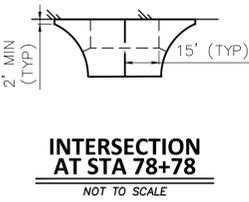
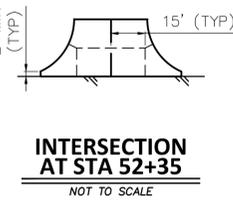
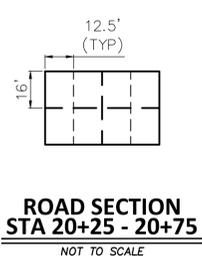
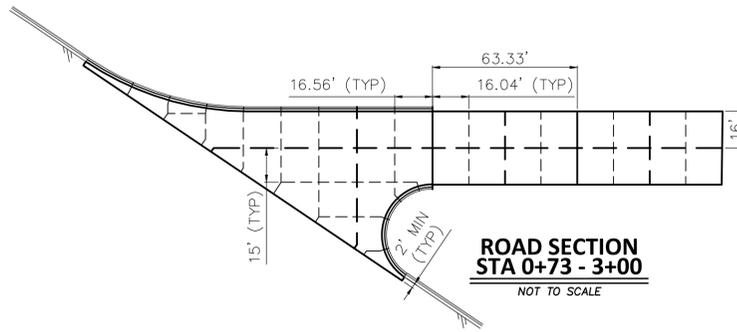
**CRITICAL:**  
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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

**OFF-SITE BENCHMARK:**  
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 HWY 349. NAD83 GRID COORDINATES N: 10,648,880.14' E: 1,765,914.09' PUBLISHED ELEVATION: 2765.53' NAVD88 DATUM

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



- PAVEMENT AND JOINT NOTES:**
- CONCRETE SHALL BE CLASS "A" AND SHALL HAVE A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD AND A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 P.S.I.
  - REINFORCEMENT SHALL BE #4 BARS AT 18" ON CENTER EACH WAY.
  - FOR DEFORMED BAR SPICES, LAP BARS 40 DIAMETERS AND TIE.
  - ALL DOWELS TO BE PLACED AT T/2.
  - EXPANSION JOINTS TO BE PLACED AS SHOWN NOT TO EXCEED 100' SPACING.
  - CONSTRUCTION AND SAWED DUMMY JOINTS SHALL ALTERNATE EVERY 12' (MAX.) BETWEEN EXPANSION JOINTS, OR AS SHOWN. ROADWAY CENTERLINE SHALL BE A CONSTRUCTION JOINT.
  - SAWOUT 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

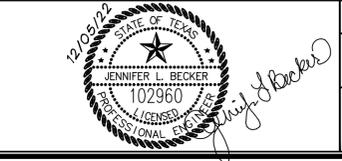
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				DESIGNED
				JLB
				DRAWN
				JLB
				CHECKED

**MIDLAND COUNTY  
MIDLAND, TEXAS**

SCALE	
HORIZ	N/A
VERT	N/A
DATE	NOVEMBER 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 II  
 MIDLAND COUNTY, TEXAS

**TYPICAL CONCRETE SECTIONS**

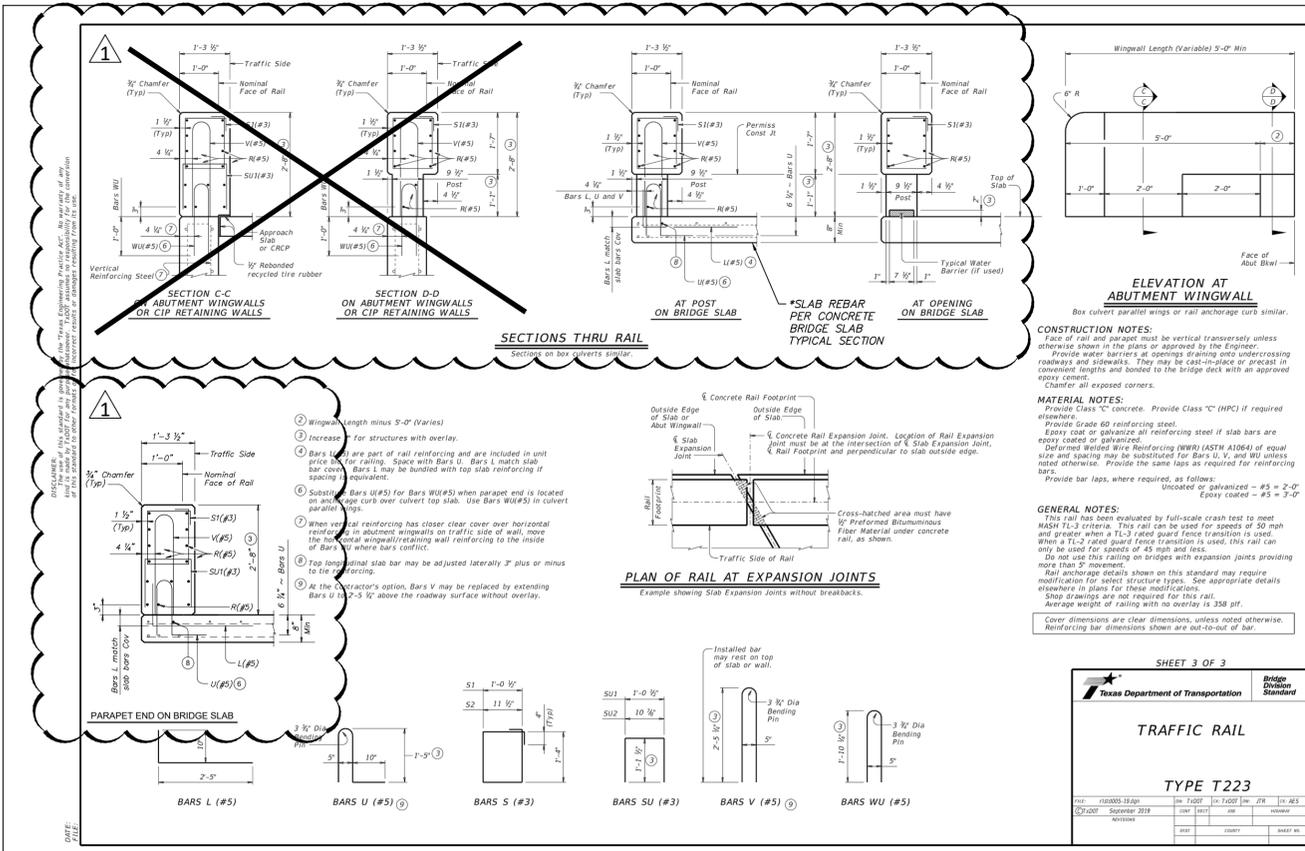
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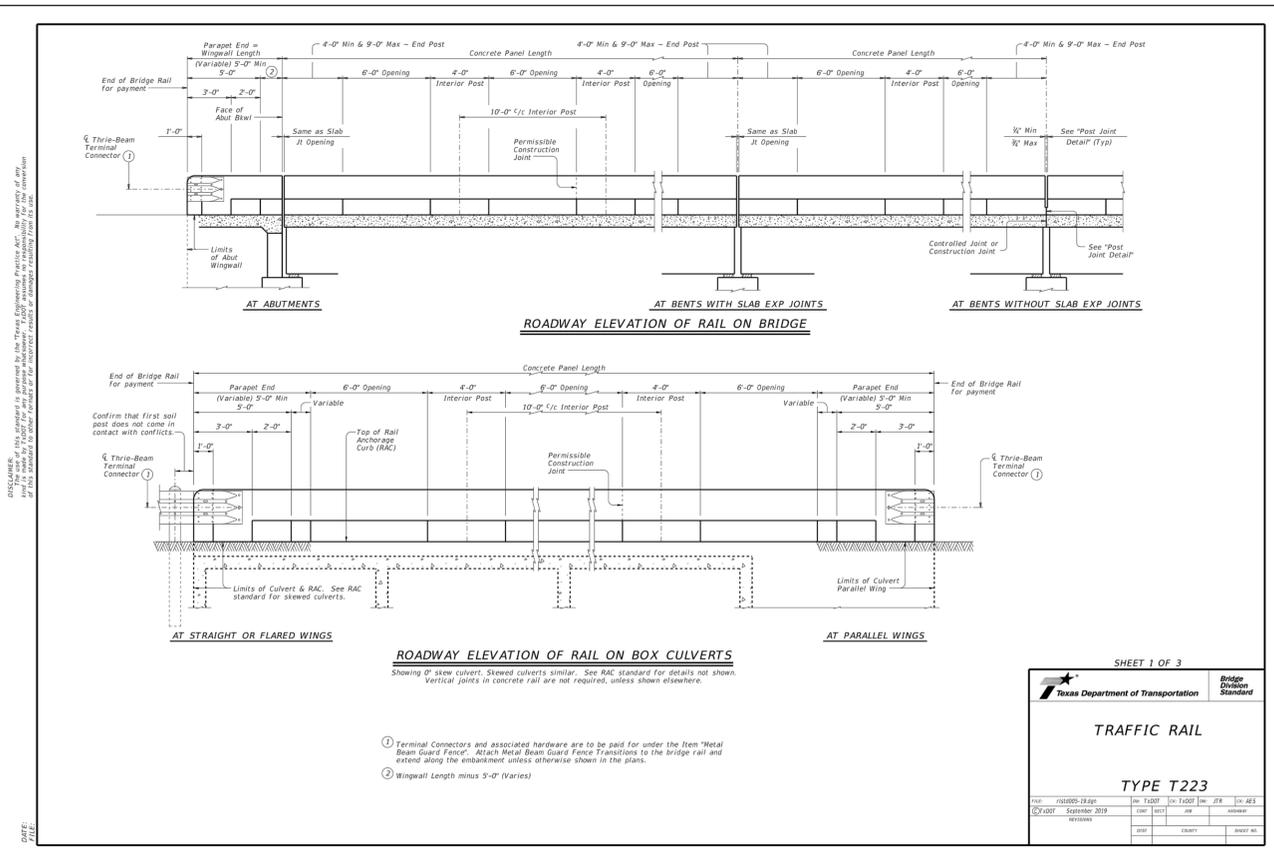
SHEET 3 OF 3

**Texas Department of Transportation** Bridge Division Standard

**TRAFFIC RAIL**

**TYPE T223**

REV	11/05/19-ajp	REV	11/05/19	REV	11/05/19	REV	11/05/19
BY	ajp	CHK	ajp	APP	ajp	DESIGN	ajp
DATE	11/05/19	DATE	11/05/19	DATE	11/05/19	DATE	11/05/19



SHEET 2 OF 3

**Texas Department of Transportation** Bridge Division Standard

**TRAFFIC RAIL**

**TYPE T223**

REV	11/05/19-ajp	REV	11/05/19	REV	11/05/19	REV	11/05/19
BY	ajp	CHK	ajp	APP	ajp	DESIGN	ajp
DATE	11/05/19	DATE	11/05/19	DATE	11/05/19	DATE	11/05/19

NO.	REVISION	BY	DATE	CHECKED
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				DESIGNED
				JLB
				DRAWN
				JLB
				CHECKED

**MIDLAND COUNTY**  
**MIDLAND, TEXAS**

SCALE  
 HORIZ N/A  
 VERT N/A  
 DATE  
 NOVEMBER 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 II  
 MIDLAND COUNTY, TEXAS

**TxDOT TRAFFIC RAIL DETAILS**

DA PROJECT  
 B005663.001

SHEET  
**12**



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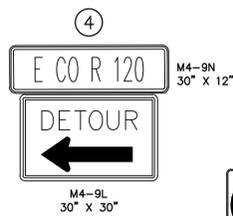
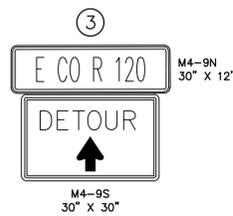
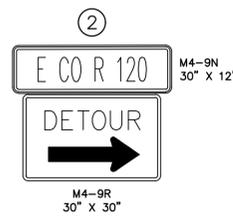
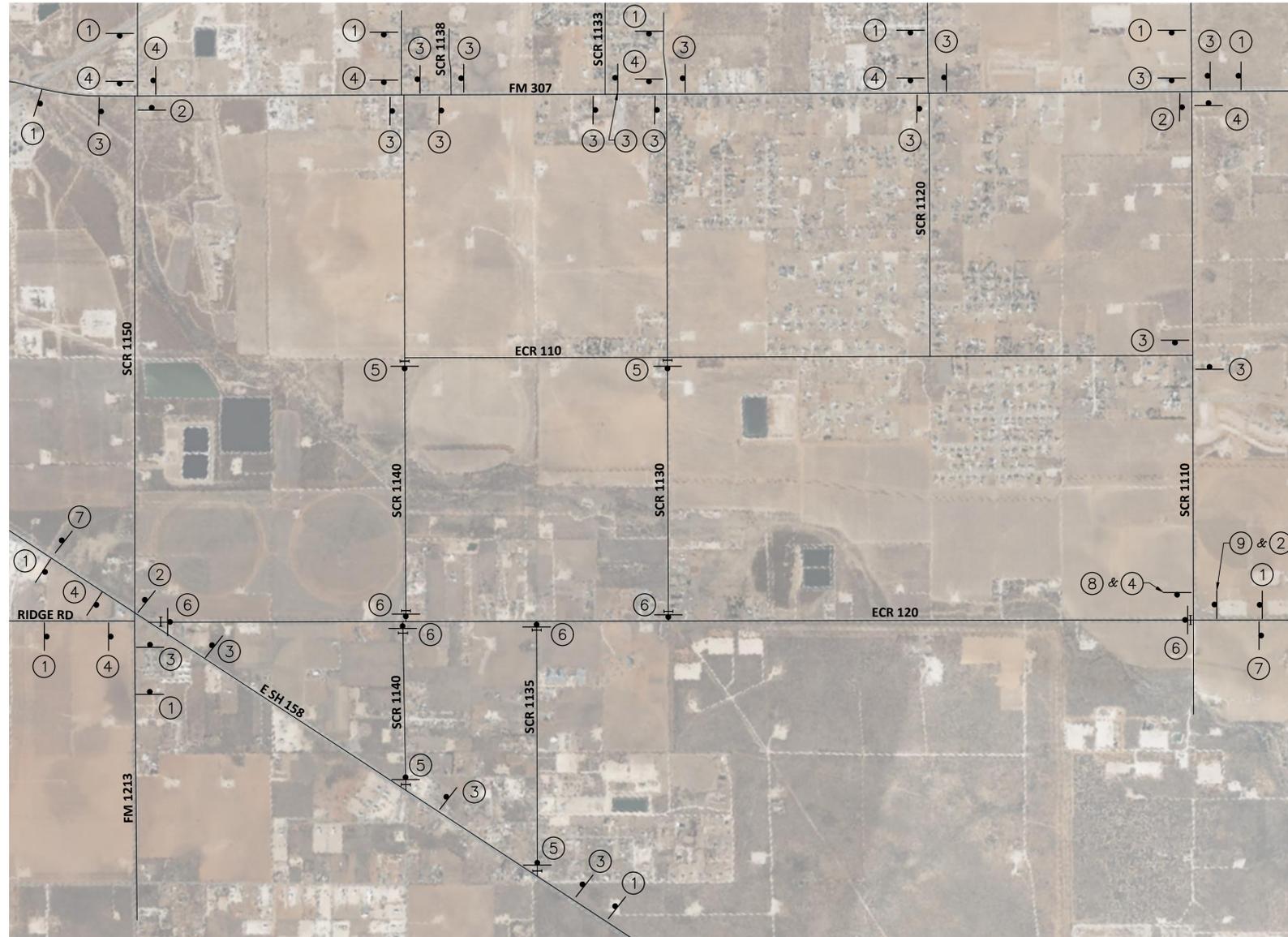
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**BENCHMARK NOTE:**

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

# TRAFFIC DETOUR PHASE 1



**TRAFFIC NARRATIVE:**

- TEMPORARY TRAFFIC BARRICADES AND DETOUR SIGNS SHALL BE INSTALLED AND PLACED AT THE APPROPRIATE LOCATIONS AS GOVERNED BY THE CURRENT TEXAS MUTCD.
- EAST COUNTY ROAD 120, BETWEEN THE INTERSECTIONS OF STATE HIGHWAY 158 AND SOUTH COUNTY ROAD 1110, WILL BE CLOSED TO THROUGH TRAFFIC DURING PHASE 1 AND HAVE TRAFFIC FOLLOW TRAFFIC DETOUR PHASE 1 PLAN.
- EAST COUNTY ROAD 120, BETWEEN THE INTERSECTIONS OF SOUTH COUNTY ROAD 1110 AND FARM TO MARKET 1379, WILL BE CLOSED TO THROUGH TRAFFIC DURING PHASE 2 AND HAVE TRAFFIC FOLLOW TRAFFIC DETOUR PHASE 2 PLAN.
- IT IS ESTIMATED FOR THIS WORK TO BE COMPLETED WITHIN 6 MONTHS FROM THE START OF CONSTRUCTION.
- AT THE END OF CONSTRUCTION, THE TEMPORARY TRAFFIC BARRICADES AND DETOUR SIGNS SHALL BE REMOVED AND THE PROPOSED ROADWAY WILL BE OPEN TO THROUGH TRAFFIC.

**GENERAL TRAFFIC CONTROL NOTES:**

- TRAFFIC DETOUR SIGNS ARE DISPLAYED FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT REFLECT ACTUAL SIGN PLACEMENT LOCATIONS. FIELD CONDITIONS, STANDARDS, AND TEXAS MUTCD SHALL GOVERN ACTUAL SIGN LOCATIONS.
- RESIDENTS SHALL HAVE DRIVE ACCESS TO THEIR PROPERTY AT ALL TIMES.



NO.	REVISION	BY	DATE	CHECKED
1	TRAFFIC DETOUR REVISION	AJA	12/05/2022	RLB
				DESIGNED
				RLB
				DRAWN
				BWA
				CHECKED

**MIDLAND COUNTY  
MIDLAND, TEXAS**

SCALE  
HORIZ  
1" = 1500'  
VERT  
N/A  
DATE  
NOVEMBER  
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 II  
MIDLAND COUNTY, TEXAS

**TRAFFIC DETOUR PLAN  
PHASE 1**

DA PROJECT  
B005663.001

SHEET  
**19A**

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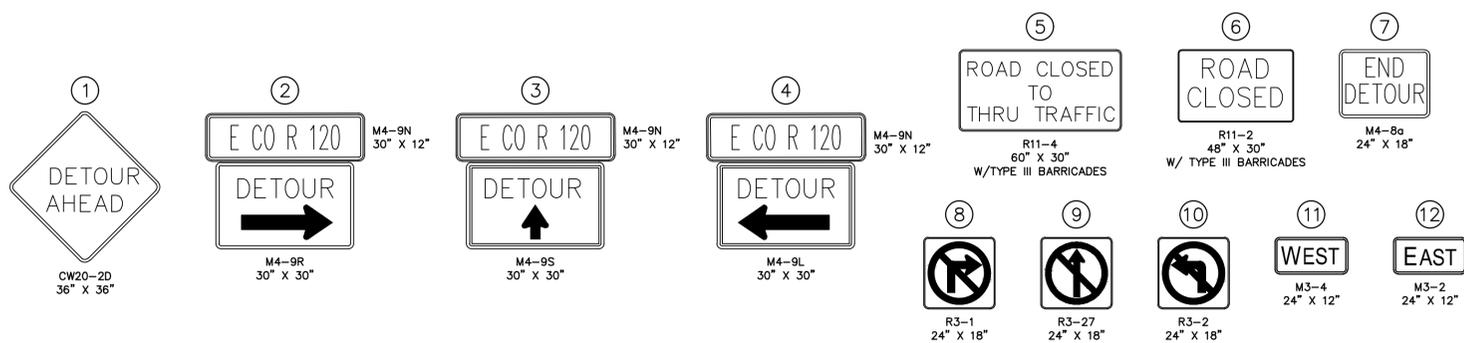
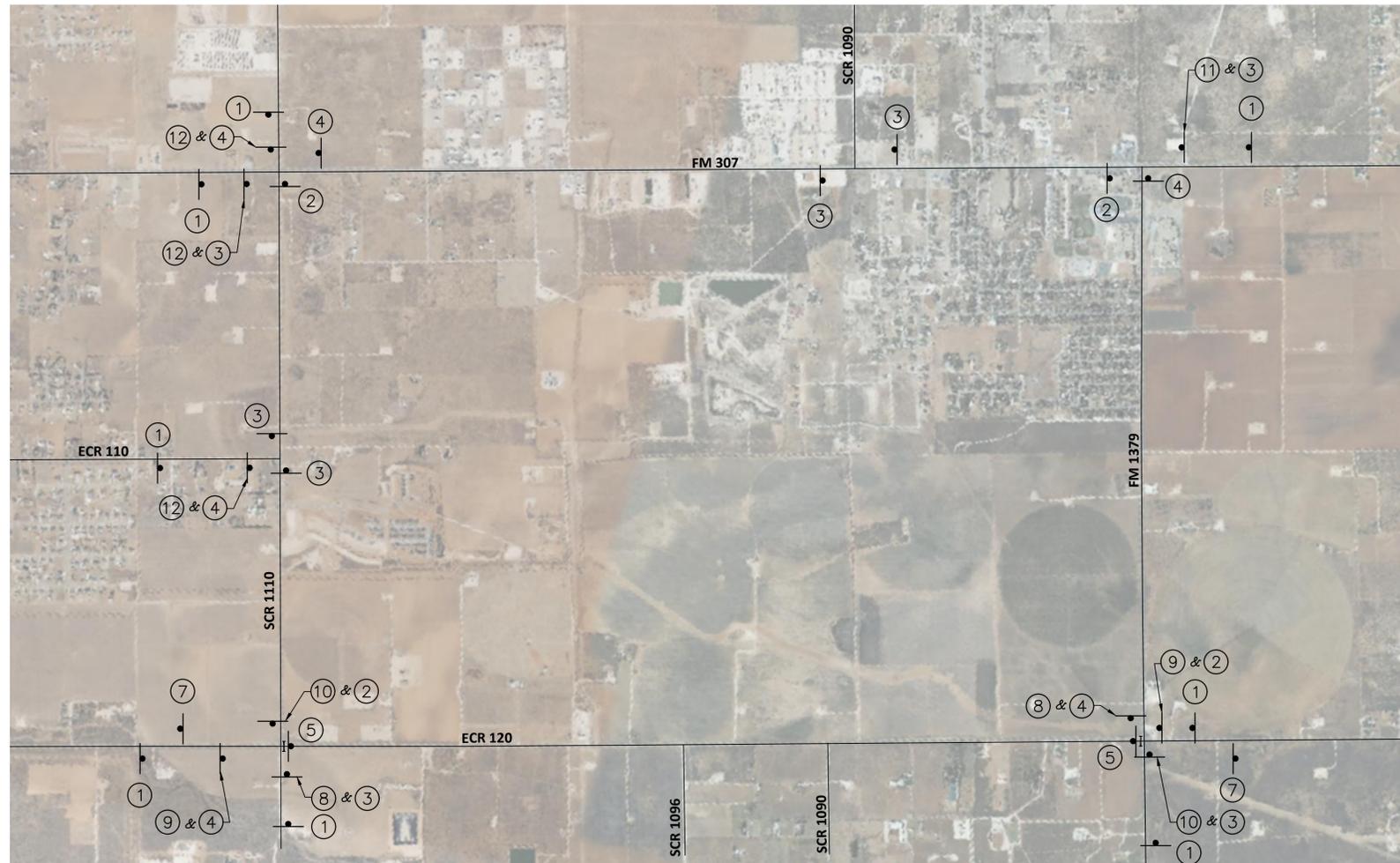
**OFF-SITE BENCHMARK:**

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 HWY 349. NAD83 GRID COORDINATES N: 10,648,880.14' E: 1,765,914.09' PUBLISHED ELEVATION: 2765.53' NAVD88 DATUM

**BENCHMARK NOTE:**

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

# TRAFFIC DETOUR PHASE 2

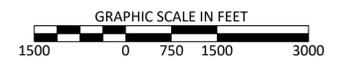


**TRAFFIC NARRATIVE:**

- TEMPORARY TRAFFIC BARRICADES AND DETOUR SIGNS SHALL BE INSTALLED AND PLACED AT THE APPROPRIATE LOCATIONS AS GOVERNED BY THE CURRENT TEXAS MUTCD.
- EAST COUNTY ROAD 120, BETWEEN THE INTERSECTIONS OF STATE HIGHWAY 158 AND SOUTH COUNTY ROAD 1110, WILL BE CLOSED TO THROUGH TRAFFIC DURING PHASE 1 AND HAVE TRAFFIC FOLLOW TRAFFIC DETOUR PHASE 1 PLAN.
- EAST COUNTY ROAD 120, BETWEEN THE INTERSECTIONS OF SOUTH COUNTY ROAD 1110 AND FARM TO MARKET 1379, WILL BE CLOSED TO THROUGH TRAFFIC DURING PHASE 2 AND HAVE TRAFFIC FOLLOW TRAFFIC DETOUR PHASE 2 PLAN.
- IT IS ESTIMATED FOR THIS WORK TO BE COMPLETED WITHIN 6 MONTHS FROM THE START OF CONSTRUCTION.
- AT THE END OF CONSTRUCTION, THE TEMPORARY TRAFFIC BARRICADES AND DETOUR SIGNS SHALL BE REMOVED AND THE PROPOSED ROADWAY WILL BE OPEN TO THROUGH TRAFFIC.

**GENERAL TRAFFIC CONTROL NOTES:**

- TRAFFIC DETOUR SIGNS ARE DISPLAYED FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT REFLECT ACTUAL SIGN PLACEMENT LOCATIONS. FIELD CONDITIONS, STANDARDS, AND TEXAS MUTCD SHALL GOVERN ACTUAL SIGN LOCATIONS.
- RESIDENTS SHALL HAVE DRIVE ACCESS TO THEIR PROPERTY AT ALL TIMES.



FULL PATH: G:\Production\000100560563\001\CD\Drawings\Phase\Sheet\TRAFFIC DETOUR PLAN.dwg

FILENAME: TRAFFIC DETOUR PLAN.dwg  
PLOTTER BY: ARIAN ADAMS  
PLOT DATE: 8/31/2022

NO.	REVISION	BY	DATE
1	TRAFFIC DETOUR REVISION	AJA	12/05/2022

RLB	DESIGNED
RLB	DRAWN
BWA	CHECKED

**MIDLAND COUNTY  
MIDLAND, TEXAS**

SCALE	HORIZ
	1" = 1500'
	VERT
	N/A
	DATE
	NOVEMBER
	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 II  
MIDLAND COUNTY, TEXAS  
**TRAFFIC DETOUR PLAN  
PHASE 2**

DA PROJECT  
B005663.001  
SHEET  
**19B**





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

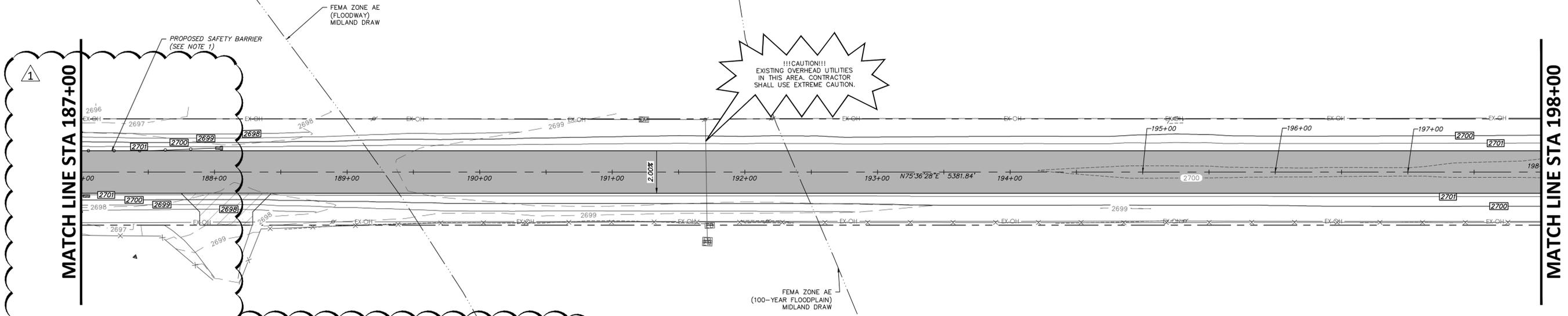
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**UTILITY RELOCATION NOTE:**  
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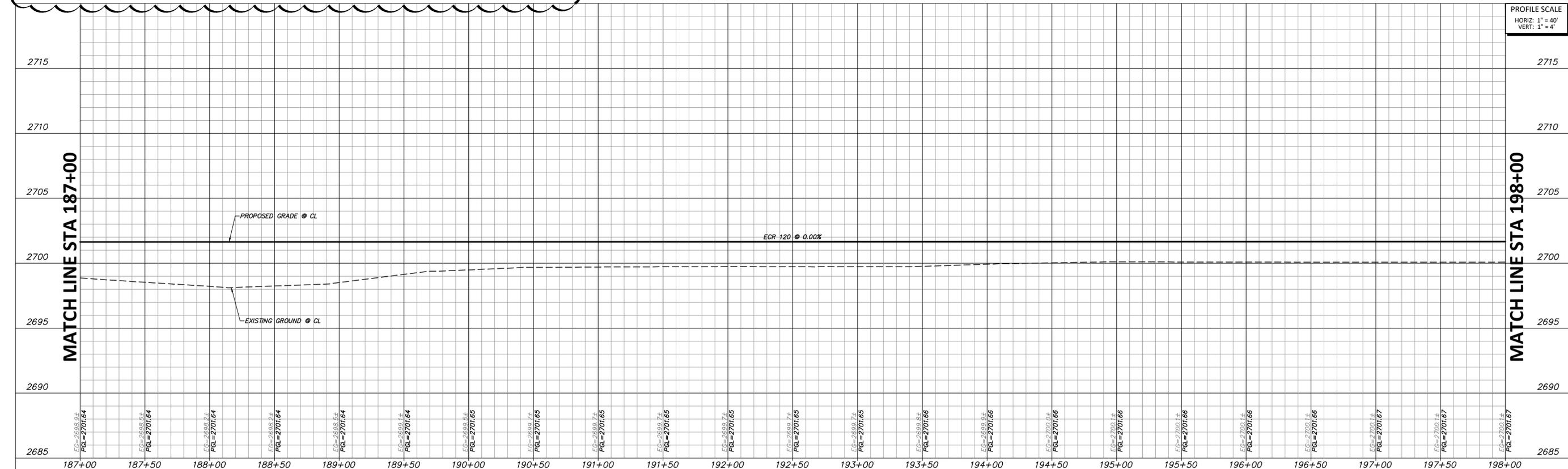
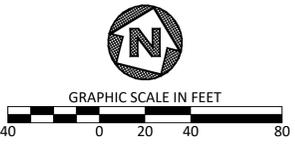
**BENCHMARK NOTE:**  
SEE GENERAL NOTES (SHEET 1) FOR DETAILS.



**NOTE:**

1. PROPOSED SAFETY BARRIER TO INCLUDE TRAFFIC RAIL TYPE T223, GF(31)TR TL3-19, SGT(12S)31-18 AT CULVERTS AND TYPICAL GUARDRAIL PER DETAILS ON SHEETS 11 AND 12.
2. SIDE SLOT DRAINS TO BE UTILIZED ON ALL CONCRETE TRAFFIC RAIL.
3. MOW STRIP TO BE INSTALLED WITH ALL METAL BEAM GUARD FENCE. SEE SHEET 11 FOR DETAIL.
4. FACE OF METAL BEAM GUARD FENCE TO BE AT EDGE OF ROADWAY UNLESS OTHERWISE INDICATED ON PLANS.
5. CONTRACTOR TO FOLLOW TXDOT CONCRETE RIPRAP STANDARD "CRR" FOR 4-INCH CONCRETE RIPRAP. SEE SHEET 9 FOR DETAIL.

# EAST COUNTY ROAD 120



FULL PATH: G:\Production\4000 1056605663\001\CAD\Drawings\Plan Sheets\0400 P&P.dwg  
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 PLOTTED BY: Allison Adams  
 PLOTTED AT: 8:33:32 AM  
 PLOTTED ON: 12/05/2022

NO.	REVISION	BY	DATE	CHECKED
1	TRAFFIC SAFETY BARRIER REVISION	AJA	12/05/2022	MMC
				DESIGNED
				MMC
				DRAWN
				JLB

**MIDLAND COUNTY  
MIDLAND, TEXAS**

SCALE  
HORIZ  
1" = 40'  
VERT  
1" = 4'  
DATE  
NOVEMBER  
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 II  
MIDLAND COUNTY, TEXAS

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

DA PROJECT  
B005663.001

SHEET  
**54**



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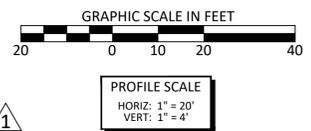
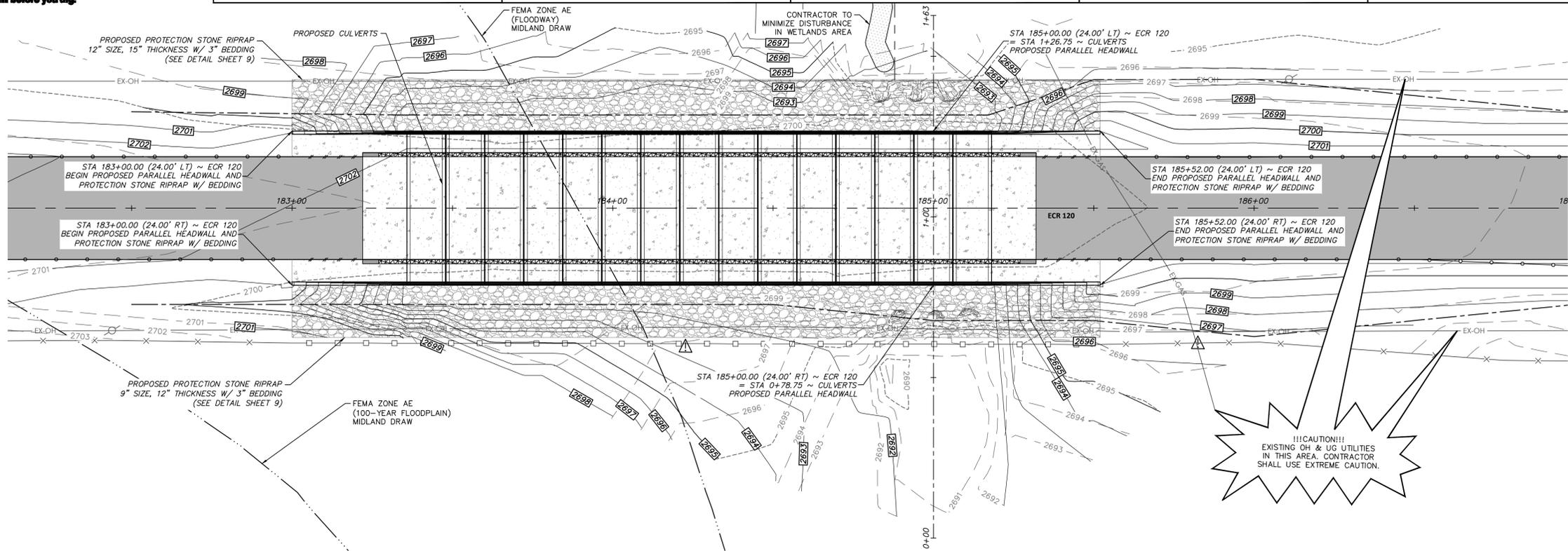
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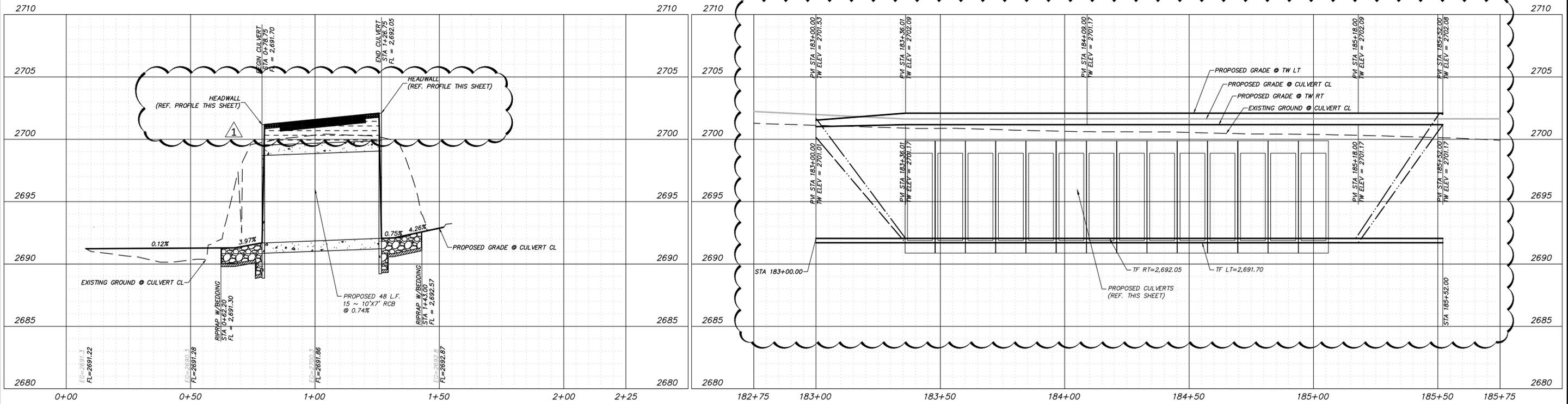
**BENCHMARK NOTE:**

SEE GENERAL NOTES (SHEET 1) FOR DETAILS.

**CONSTRUCTION IMPACTS TO WATERS OF THE U.S. NOTE:**  
NATIONWIDE PERMIT 14 AUTHORIZES TEMPORARY STRUCTURES, FILLS, AND WORK, INCLUDING THE USE OF TEMPORARY MATS, NECESSARY TO CONSTRUCT THE LINEAR TRANSPORTATION PROJECT. APPROPRIATE MEASURES MUST BE TAKEN TO MAINTAIN NORMAL DOWNSTREAM FLOWS AND MINIMIZE FLOODING TO THE MAXIMUM EXTENT PRACTICABLE, WHEN TEMPORARY STRUCTURES, WORK, AND DISCHARGES, INCLUDING COFFERDAMS, ARE NECESSARY FOR CONSTRUCTION ACTIVITIES, ACCESS FILLS, OR DEWATERING OF CONSTRUCTION SITES. TEMPORARY FILLS MUST CONSIST OF MATERIALS, AND BE PLACED IN A MANNER, THAT WILL NOT BE ERODED BY EXPECTED HIGH FLOWS. TEMPORARY FILLS MUST BE REMOVED IN THEIR ENTIRETY AND THE AFFECTED AREAS RETURNED TO PRECONSTRUCTION ELEVATIONS. THE AREAS AFFECTED BY TEMPORARY FILLS MUST BE REVEGETATED, AS APPROPRIATE.



# MIDLAND DRAW CULVERTS



NO.	REVISION	BY	DATE	CHECKED
1	TRAFFIC SAFETY BARRIER REVISION & CULVERT REVISION	AJA	12/05/2022	MMC
				DESIGNED
				MMC
				DRAWN
				JLB

<b>MIDLAND COUNTY MIDLAND, TEXAS</b>		SCALE
		HORIZ 1" = 20'
		VERT 1" = 4'
		DATE
		NOVEMBER 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 II		B005663.001
MIDLAND COUNTY, TEXAS		SHEET
<b>CULVERT PLAN AND PROFILE</b>		<b>73</b>
<b>MIDLAND DRAW</b>		

FILE PATH: G:\Production\4001\0606010601\001\Civil\Drawings\Phase\Sheet\CULVERT.Plot  
 PLOTTER: CULVERT.Plot  
 PLOTTED BY: Allison Adams  
 PLOTTED AT: 8:43:52 AM  
 DATE: 12/05/2022



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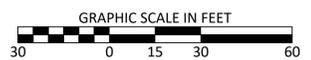
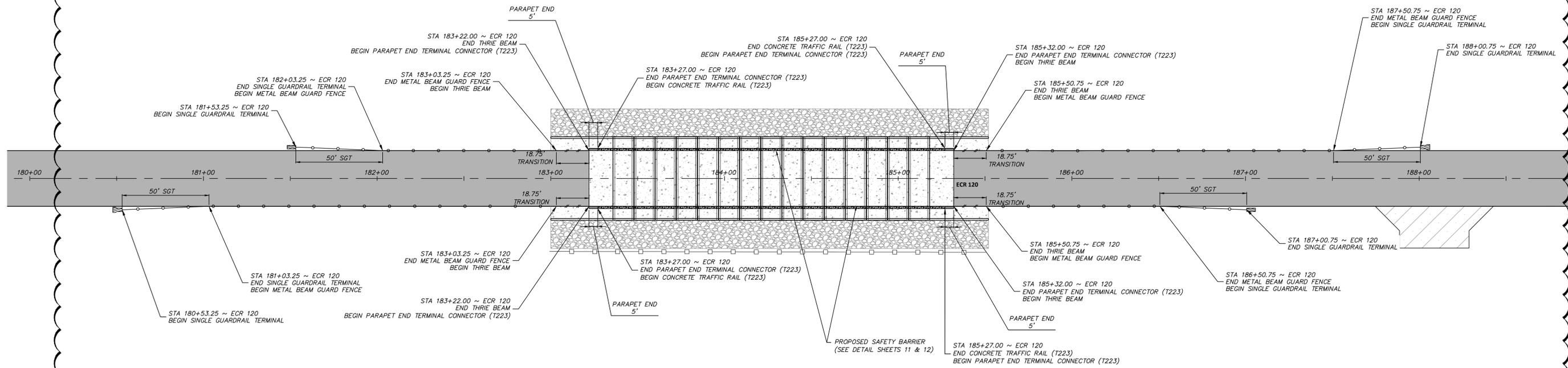
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# EAST COUNTY ROAD 120

1



FULL PATH: G:\Production\4000\005663\001\01\Drawings\Plan\Sheet\CU101P1 7-8-22.dwg  
 PLOTTED BY: ARIAN ALDANA  
 PLOTTED AT: 8:33:28 AM  
 DATE: 11/05/2022

NO.	REVISION	BY	DATE	CHECKED
1	TRAFFIC SAFETY BARRIER REVISION	AJA	12/05/2022	JLB

**MIDLAND COUNTY  
MIDLAND, TEXAS**

SCALE  
HORIZ  
1" = 30'  
VERT  
1" = 4'  
DATE  
NOVEMBER  
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 II MIDLAND COUNTY, TEXAS	DA PROJECT B005663.001
<b>SAFETY BARRIER PLAN</b>	SHEET <b>75</b>