



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.

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. G20-2048, DATED MAY 21, 2020, 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 LANDOWNER AND AUTHORITIES HAVING JURISDICTION.
- NO SPECIAL PAY FOR TRAFFIC CONTROL ITEMS NOT INCLUDED IN TRAFFIC CONTROL BID.
- 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.
- CONTRACTOR TO COORDINATE SCHEDULE OF WORK WITH RAILROAD SPUR OWNERS FOR REMOVAL AND INSTALLATION OF CONCRETE PANELS AT EACH CROSSING.
- CONTRACTOR TO REPAIR AND/OR REPLACE EXISTING DRIVEWAYS WITH SIMILAR MATERIALS AND GEOMETRY, TO THE EXTENT POSSIBLE.
- PRIOR TO ANY WORK BEING PERFORMED ON THE RAILROAD'S PROPERTY, THE CONTRACTOR WILL BE REQUIRED TO EXECUTE AND RETURN THE "CONTRACTOR'S ENDORSEMENT" CONSENT LETTER, WHICH WILL BE PROVIDED TO THE CONTRACTOR BY MIDLAND COUNTY. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED ON THE RAILROAD'S PROPERTY WITHOUT FIRST EXECUTING THE CONTRACTOR ENDORSEMENT. THIS CONSENT LETTER SHALL BE VALID FOR ONE YEAR OR UNTIL THE WORK IS COMPLETE OR THIS CONSENT LETTER IS REVOKED BY THE RAILROAD. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYING THE RAILROAD'S ADMINISTRATIVE FEE UPON SUBMITTING THE CONTRACTOR ENDORSEMENT.

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.

CITY OF MIDLAND BENCHMARKS:

44-93: A 2 INCH ALUMINUM CAP STAMPED 44-93, LOCATED APPROXIMATELY 18.9 FEET NORTH OF THE NORTH FRONTAGE ROAD OF INTERSTATE 20, 55 FEET EAST OF THE ENTRANCE TO THE TEXAS HIGHWAY DEPARTMENT MAINTENANCE OFFICE. HAVING AN ADJUSTED NAVD88 ELEVATION OF 2,822.32 FEET (PUBLISHED NGVD29 ELEVATION IS 2,821.1)

4395: A 2 INCH ALUMINUM CAP STAMPED 4395, LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF SOUTH MIDKIFF ROAD AND INTERSTATE HIGHWAY 20 AT THE TOP OF EMBANKMENT, HAVING AN ADJUSTED NAVD88 ELEVATION OF 2,827.89 FEET (PUBLISHED NGVD29 ELEVATION IS 2,826.68)

ON-SITE BENCHMARKS:

CP-103: A 5/8 INCH IRON ROD WITH RED CAP LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF INDUSTRIAL AVENUE AND LOOP 250 FRONTAGE ROAD.
NAD83 GRID COORDINATES: N: 10,681,502.03' E: 1,736,066.33'
PUBLISHED ELEVATION: 2839.10' NAVD88 DATUM

CP-107: A 5/8 INCH IRON ROD WITH RED CAP LOCATED ON THE NORTH SIDE OF INDUSTRIAL AVENUE APPROXIMATELY 300 FEET WEST OF ITS INTERSECTION WITH EISENHOWER DRIVE.
NAD83 GRID COORDINATES: N: 10,683,042.04' E: 1,738,560.85'
PUBLISHED ELEVATION: 2838.11' NAVD88 DATUM

CP-110: A 5/8 INCH IRON ROD WITH RED CAP LOCATED ON THE SOUTH SIDE OF INDUSTRIAL AVENUE APPROXIMATELY 365 FEET WEST OF ITS INTERSECTION WITH MIDLAND DRIVE.
NAD83 GRID COORDINATES: N: 10,684,012.58' E: 1,740,311.77'
PUBLISHED ELEVATION: 2819.02' NAVD88 DATUM

CP-114: A 5/8 INCH IRON ROD WITH RED CAP LOCATED ON THE SOUTH SIDE OF INDUSTRIAL AVENUE APPROXIMATELY 140 FEET WEST OF ITS INTERSECTION WITH WAREHOUSE ROAD.
NAD83 GRID COORDINATES: N: 10,685,509.23' E: 1,742,884.21'
PUBLISHED ELEVATION: 2824.44' NAVD88 DATUM

CP-119: A 5/8 INCH IRON ROD WITH RED CAP LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF INDUSTRIAL AVENUE AND MIDKIFF ROAD.
NAD83 GRID COORDINATES: N: 10,686,952.97' E: 1,745,413.62'
PUBLISHED ELEVATION: 2822.00' NAVD88 DATUM

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

FULL PATH: C:\p\midland\060106000\0225\001\Civil\Drawings\p1ae sheets\GENERAL NOTES.dwg

FILENAME: 060106000.dwg
PLOTTER: R1000
PLOT DATE: 11/18/2021

NO.	REVISION	BY	DATE	CHECKED
		JLB		
		DESIGNED		
		JLB		
		DRAWN		
		JLB		

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	N/A
VERT	N/A
DATE	
JUNE	2021

DUNAWAY

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

STATE OF TEXAS
JENNIFER L. BECKER
102960
PROFESSIONAL ENGINEER
6/14/2021

MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS

GENERAL NOTES

DA PROJECT
B006225.001

SHEET
1



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:

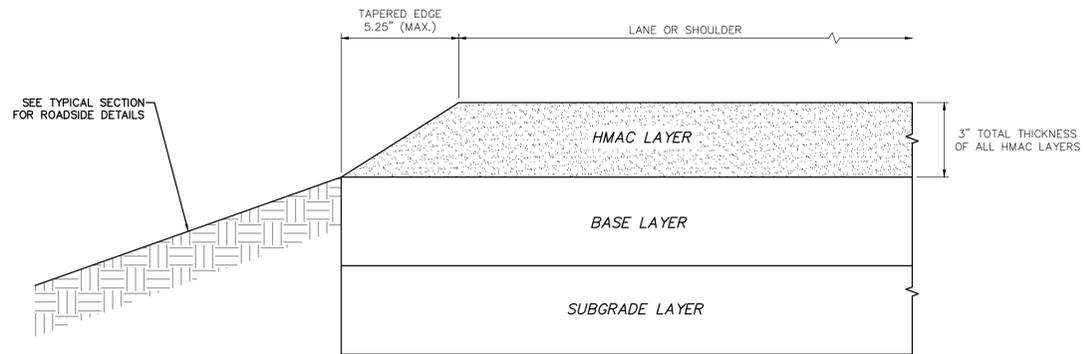
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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).

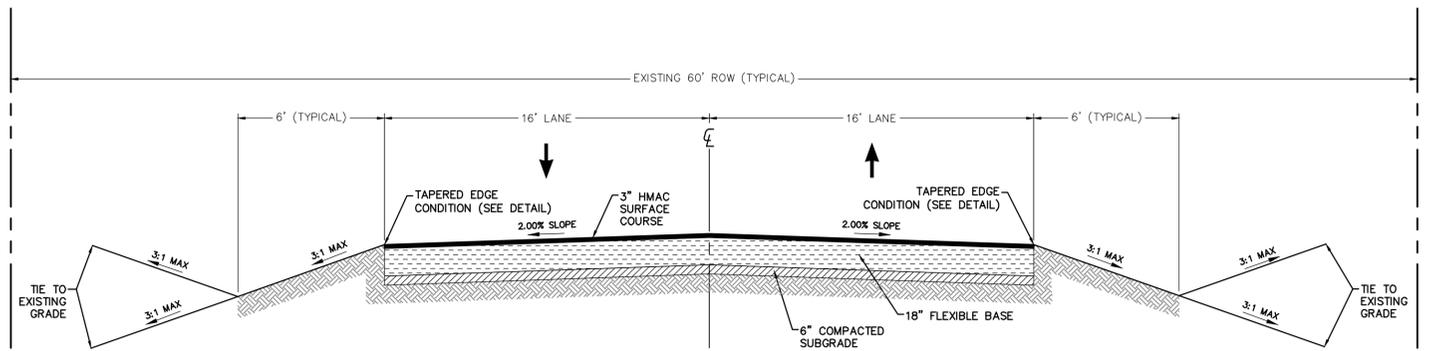
STATE PLANE COORDINATE NOTE:

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



TAPERED EDGE CONDITION HMAc PAVEMENT

NOT TO SCALE

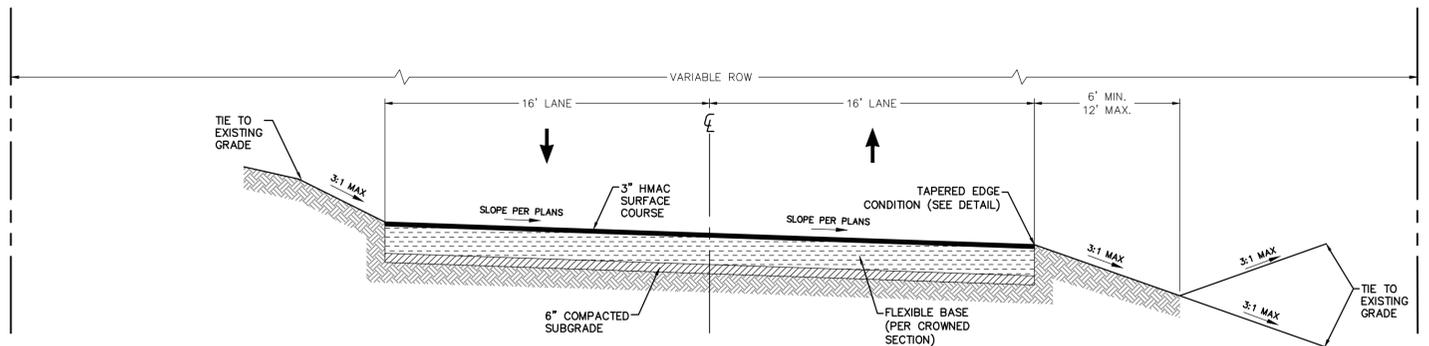


CROWN ASPHALT PAVEMENT TYPICAL SECTION

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 MINIMUM MOISTURE CONTENT OF $\pm 2\%$ 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.



PITCHED ASPHALT PAVEMENT TYPICAL SECTION

NOT TO SCALE

FULL PATH: G:\Production\4000\006225\0251\001\Civil\Drawings\Plan Sheets\TYPICAL SECTIONS.dwg

FILENAME: TYPICAL SECTIONS.dwg
PLOTTER: AH1000-1000
PLOT DATE: 6/14/2021

NO.	REVISION	BY	DATE	CHECKED

JLB	DESIGNED
JLB	DRAWN
JLB	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	N/A
VERT	N/A
DATE	
JUNE	2021

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



MIDLAND COUNTY PRECINCT 2 INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	DA PROJECT B006225.001
TYPICAL ASPHALT SECTIONS	SHEET 2



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:

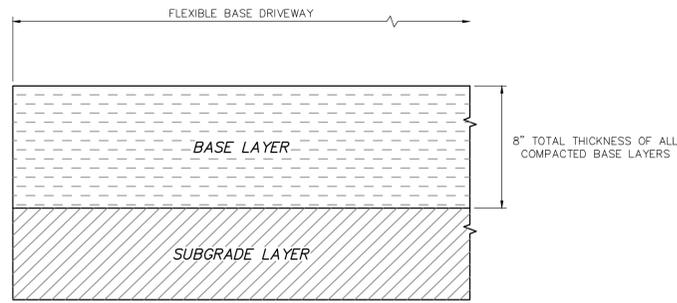
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

UTILITY RELOCATION NOTE:

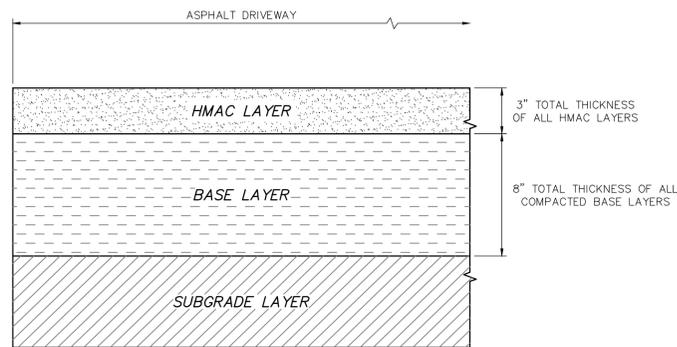
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

STATE PLANE COORDINATE NOTE:

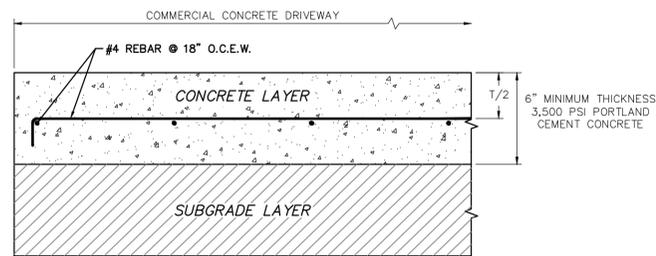
COORDINATES PROVIDED ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), CENTRAL ZONE 4203; ALL COORDINATES, BEARINGS, AND DISTANCES ARE NAD83 GRID VALUES.



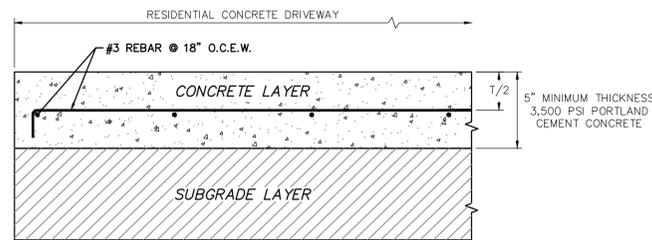
TYPICAL FLEXIBLE BASE DRIVEWAY SECTION
NOT TO SCALE



TYPICAL ASPHALT DRIVEWAY SECTION
NOT TO SCALE



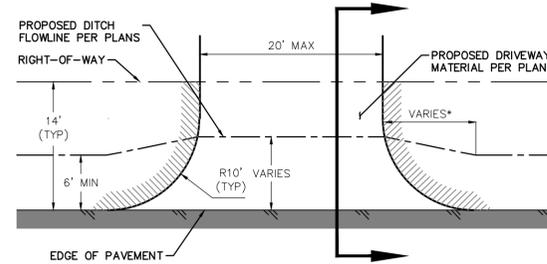
COMMERCIAL



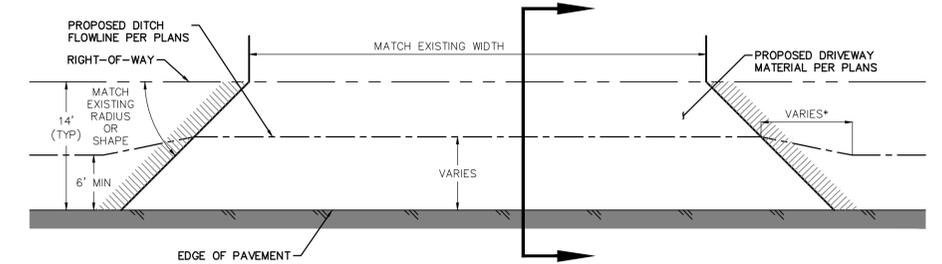
RESIDENTIAL

TYPICAL CONCRETE DRIVEWAY SECTIONS
NOT TO SCALE

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



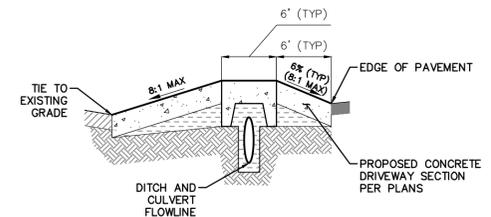
RESIDENTIAL PLAN VIEW



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).

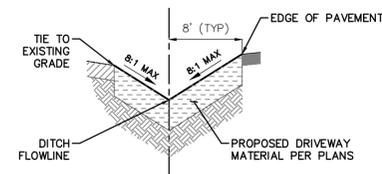
TYPICAL DRIVEWAYS
NOT TO SCALE



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

1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021	JLB
				DESIGNED
				JLB
				DRAWN
				JLB
				CHECKED
NO.	REVISION	BY	DATE	CHECKED

MIDLAND COUNTY
MIDLAND, TEXAS



MIDLAND COUNTY PRECINCT 2

INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS

TYPICAL DRIVEWAY SECTIONS

DA PROJECT
B006225.001

SHEET

4

FILE PATH: G:\Production\4000\B006225\001\Civil\Drawings\4814\Typical\Sections\W_Driveways.dwg

FILENAME: TYPICAL SECTIONS W_Driveways.dwg
PLOTTER BY: Alton Alcala
PLOT DATE: August 26, 2021
PLOT TIME: 10:03:39 AM



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.

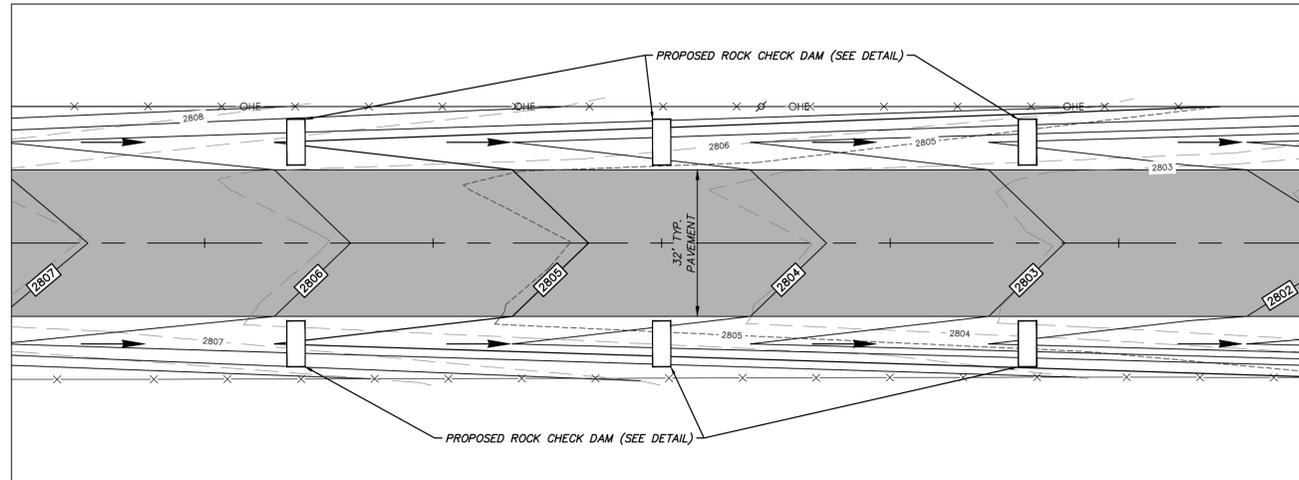
UTILITY RELOCATION NOTE:

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).

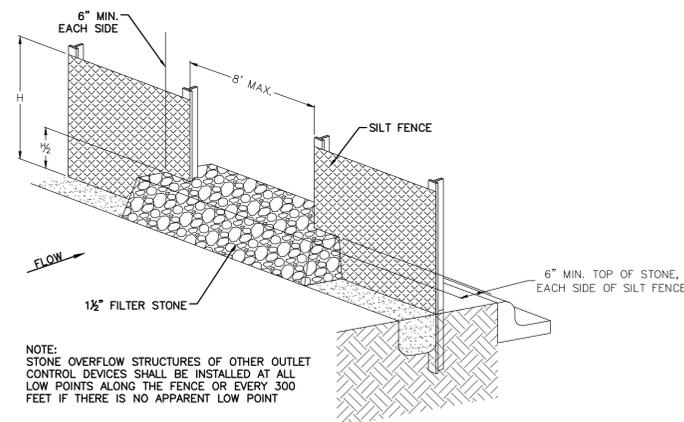
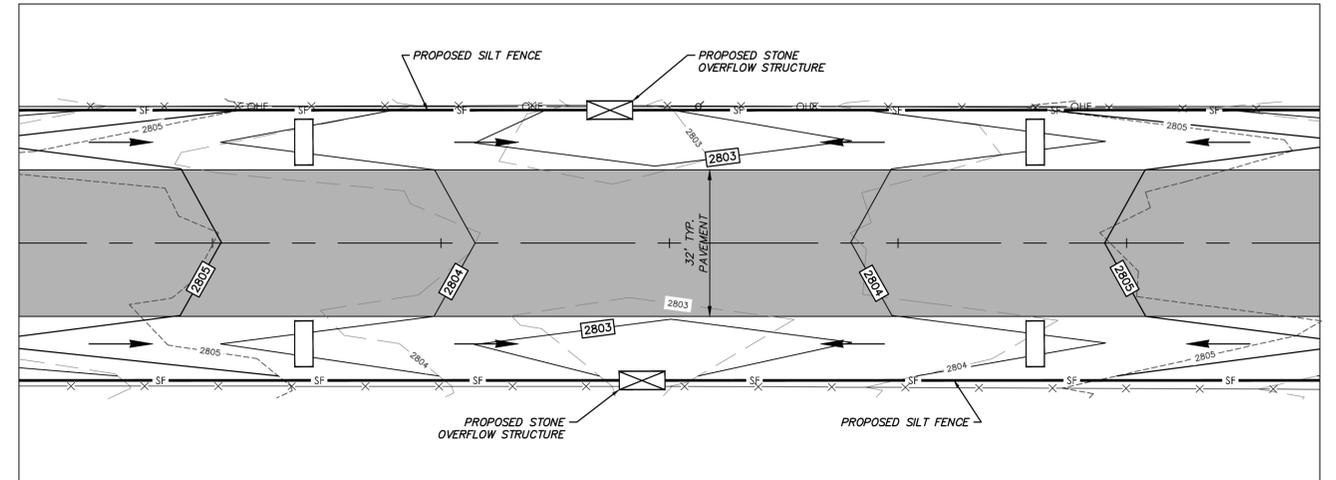
STATE PLANE COORDINATE NOTE:

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

TYPICAL EROSION CONTROL PLAN WITH ROADWAY DITCHES



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

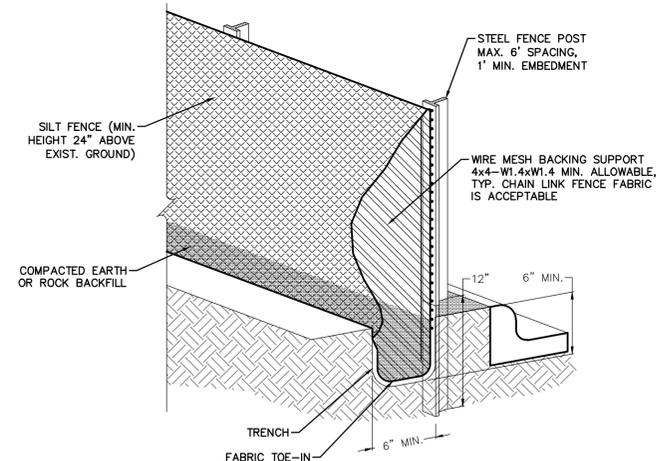


SILT FENCE STONE OVERFLOW STRUCTURE

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

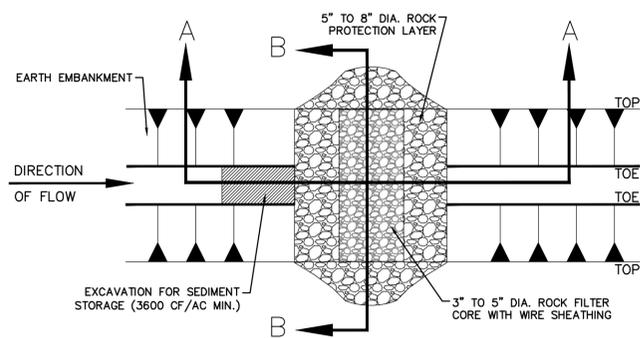
NOT TO SCALE

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.

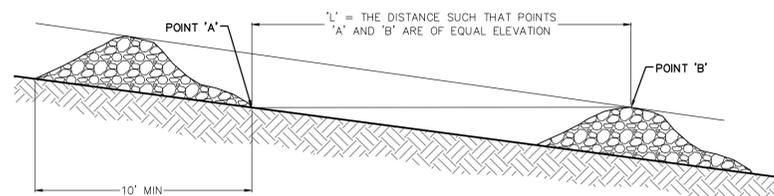
EROSION CONTROL LEGEND

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

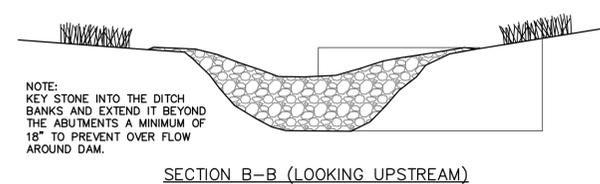


ROCK CHECK DAM

NOT TO SCALE



SECTION A-A



SECTION B-B (LOOKING UPSTREAM)

FULL PATH: G:\production\4000\006225\0251\001\Civil\Drawings\plan sheets\EROSION CONTROL.dwg
 FILENAME: EROSION CONTROL.dwg
 PLOTTED BY: Allison Anderson
 PLOTTED DATE: 6/11/2021

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

MIDLAND COUNTY MIDLAND, TEXAS		SCALE
		HORIZ N/A
		VERT N/A
		DATE
		JUNE
		2021

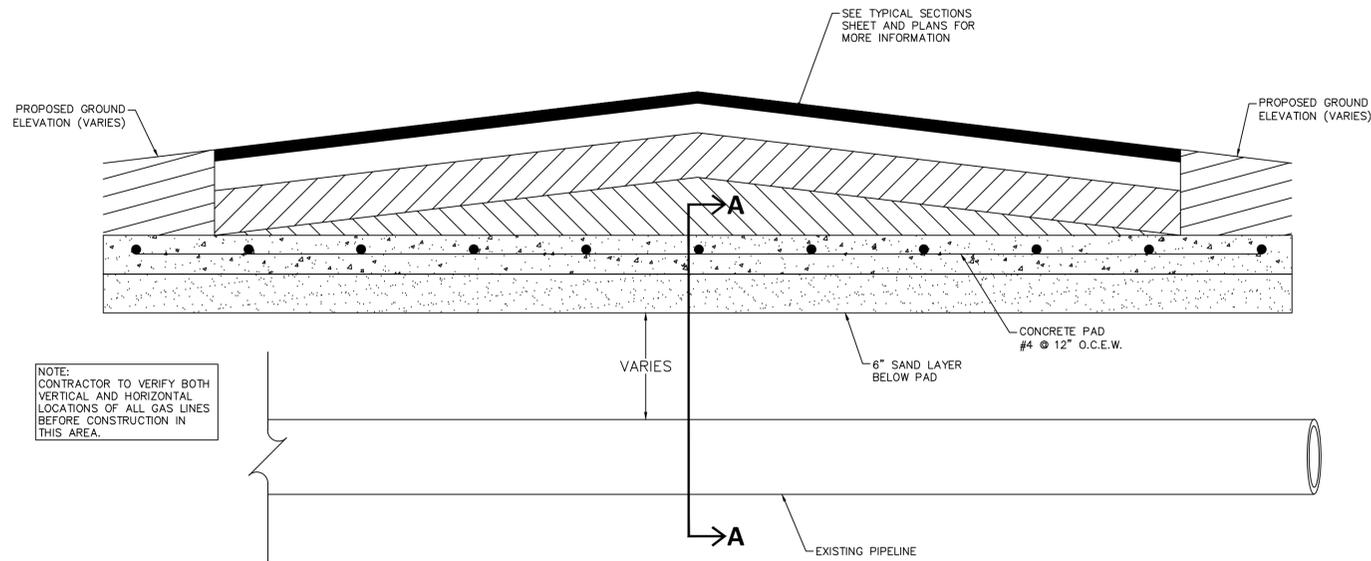
DUNAWAY

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

 Tel: 432.699.4889

 [TX REG. F-1114]

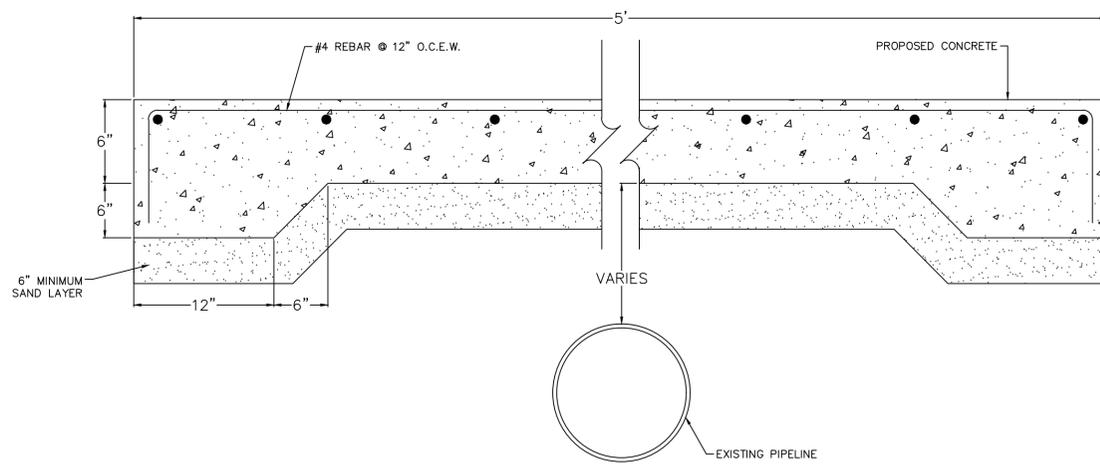
MIDLAND COUNTY PRECINCT 2		DA PROJECT
INDUSTRIAL AVENUE		B006225.001
MIDLAND COUNTY, TEXAS		SHEET
TYPICAL EROSION CONTROL PLAN AND DETAILS		5



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

NOTES:

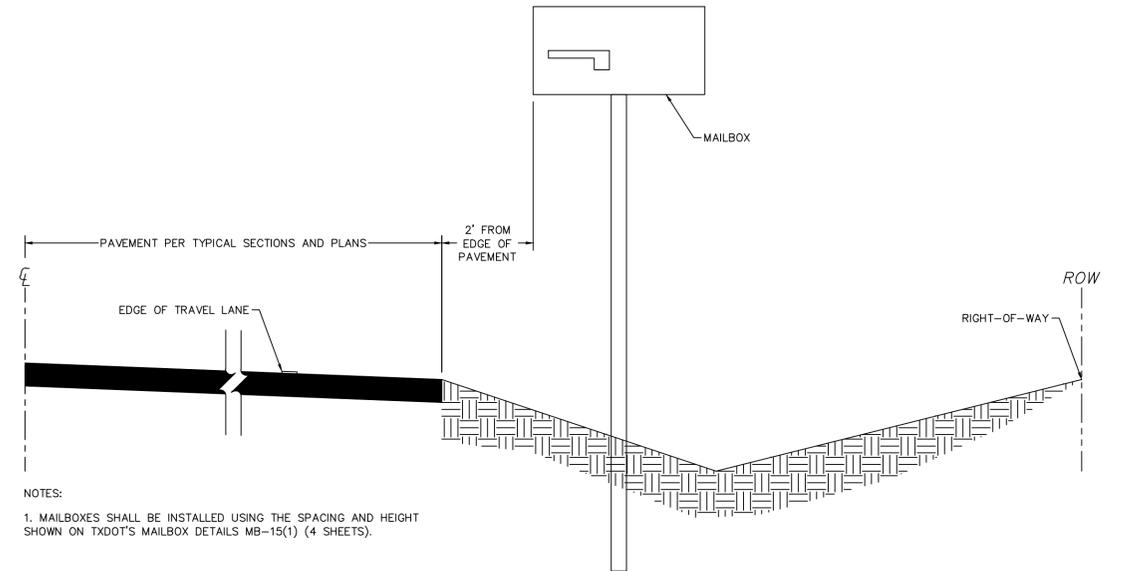
1. CONCRETE SHALL BE CLASS "A" AND SHALL HAVE A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD AND A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3500 P.S.I.
2. MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO TXDOT STANDARD SPECIFICATIONS.
3. REINFORCEMENT SHALL BE #4 BARS AT 12" ON CENTER EACH WAY.
4. CONTRACTOR 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-15(1) (4 SHEETS).

MAILBOX SPACING FROM EDGE OF PAVEMENT

NOT TO SCALE

FULL PATH: G:\Production\4000\006225\025\001\CD\Drawings\Plan\Sheet\CD\001\DETAILS.dwg

FILENAME: CD\001\DETAILS.dwg
PLOTTER: HP DesignJet 4000
PLOT DATE: 06/14/2021 10:52:14 AM

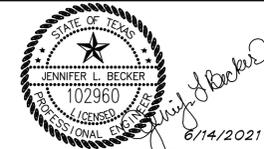
NO.	REVISION	BY	DATE

JLB	DESIGNED
JLB	DRAWN
JLB	CHECKED

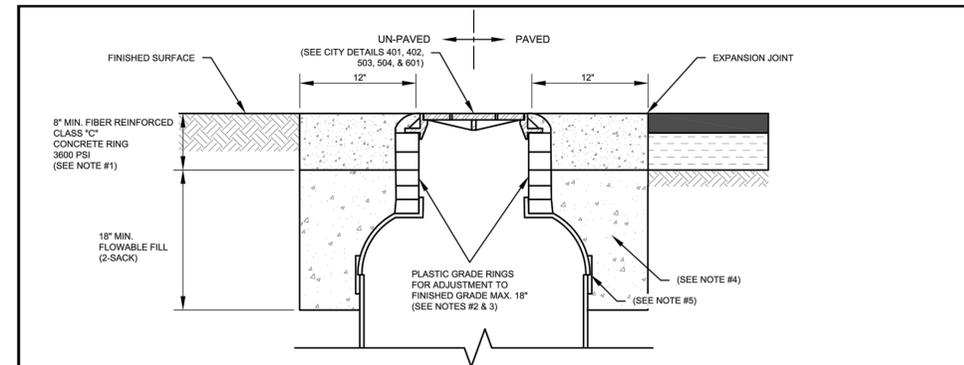
**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	N/A
VERT	N/A
DATE	
JUNE	2021

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

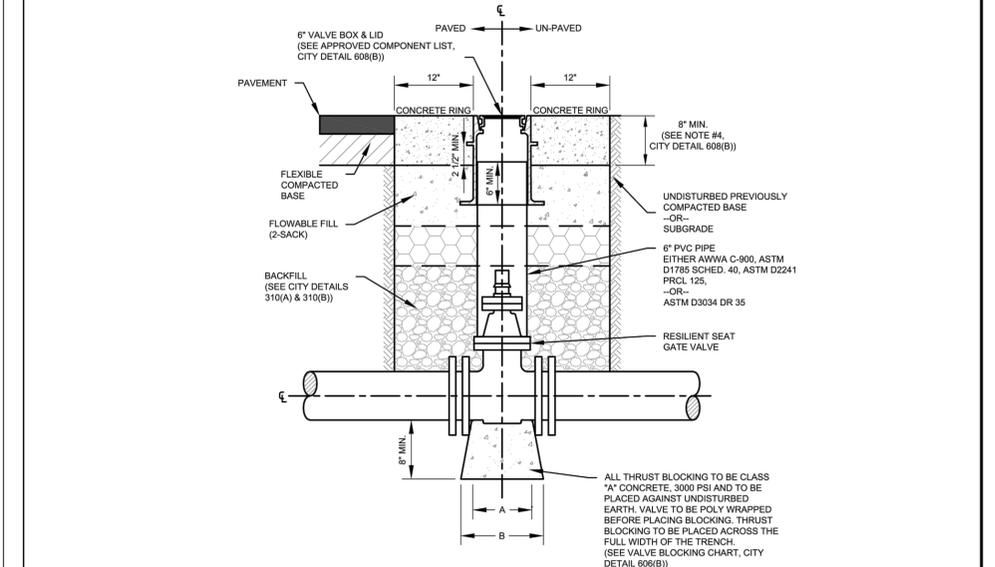


MIDLAND COUNTY PRECINCT 2	DA PROJECT B006225.001
INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	SHEET
PIPE ENCASEMENT AND MAILBOX DETAILS	6

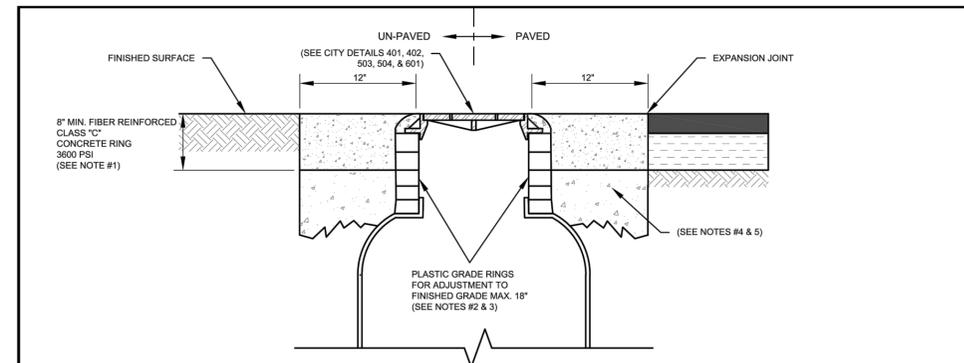


- NOTES:**
1. INSTALL 12" MIN. FIBER REINFORCED CLASS "C" CONCRETE RING, 3600 PSI, WHEN MANHOLE IS LOCATED IN AN ARTERIAL R.O.W.
 2. GRADE RINGS TO MEET ASTM STANDARD A48 AND TO BE 2", 4", OR 6" THICKNESS AS REQUIRED. INSTALL ASPHALT TAR IN THICK, UNIFORM COATING OVER ALL OUTER ADJUSTMENT RING SURFACES AND JOINTS.
 3. ENGINEERING SERVICES REPRESENTATIVE AND UTILITY SERVICES REPRESENTATIVE MAY ALLOW GREATER ADJUSTMENT RING DEPTH TO ACCOMMODATE PAVING STRUCTURES.
 4. REMOVE ALL MATERIAL EXCAVATED FROM SITE AND EXCAVATION, AND FILL TO FINISHED BASE ELEVATION WITH FLOWABLE FILL 2-SACK (2 SACK = 188 LBS/CY, PORTLAND CEMENT).
 5. MANUFACTURED WATERTIGHT CONNECTOR, CORE DRILL AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 6. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
 7. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER.

	DRAWN: DPM	EFFECTIVE DATE: 10/01/2018	SCALE: NTS	DETAIL:
	CHECKED: JCF	EXISTING MANHOLE BARREL ADJUSTMENT		317
	APPROVED: MCC			



	DRAWN: DPM	EFFECTIVE DATE: 10/01/2018	SCALE: NTS	DETAIL:
	CHECKED: JCF	TYPICAL VALVE AND VALVE BOX		608(A)
	APPROVED: MCC			



- NOTES:**
1. INSTALL 12" MIN. FIBER REINFORCED CLASS "C" CONCRETE RING, 3600 PSI, WHEN MANHOLE IS LOCATED IN AN ARTERIAL R.O.W.
 2. GRADE RINGS TO MEET ASTM STANDARD A48 AND TO BE 2", 4", OR 6" THICKNESS AS REQUIRED. INSTALL ASPHALT TAR IN THICK, UNIFORM COATING OVER ALL OUTER ADJUSTMENT RING SURFACES AND JOINTS.
 3. ENGINEERING SERVICES REPRESENTATIVE AND UTILITY SERVICES REPRESENTATIVE MAY ALLOW GREATER ADJUSTMENT RING DEPTH TO ACCOMMODATE PAVING STRUCTURES.
 4. REMOVE ALL MATERIAL EXCAVATED FROM SITE AND EXCAVATION.
 5. FILL ANY OVER-EXCAVATION WITH FLOWABLE FILL 2-SACK (2-SACK = 188 LBS/CY, PORTLAND CEMENT).
 6. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
 7. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER.

	DRAWN: DPM	EFFECTIVE DATE: 10/01/2018	SCALE: NTS	DETAIL:
	CHECKED: JCF	EXISTING MANHOLE RING & COVER ADJUSTMENT		319
	APPROVED: MCC			

APPROVED COMPONENT LIST			
NO.	VALVES	VALVE COVERS	VALVE BOX
1	MUELLER 2360 MJ	MUELLER 2360 FL X FL	BASS & HAYS STANDARD 390-1 "SHORTY"
2	M & H 4067 MJ	M & H 4067-0	OR APPROVED EQUAL
3	CLOW 2838 MJ	CLOW 2840 FL X FL	
4	OR APPROVED EQUAL	OR APPROVED EQUAL	

VALVE BLOCKING CHART		
PIPE SIZE	A	B
4"	5.0"	10.5"
6"	6.5"	1'-0"
8"	6.5"	1'-0"
10"	8.0"	1'-1.0"
12"	8.5"	1'-2.0"

- NOTES:**
1. FOR VALVES ON WATER MAIN PIPES LARGER THAN 12" SEE CITY DETAIL 609.
 2. SETTING VALVE BOX TO GRADE MAY REQUIRE ADDING PVC PIPE. IF ADDITIONAL PIPE IS REQUIRED, USE BELL SECTION WITH GASKET AND SET BELL DOWN OVER EXISTING PIPE RISER. A GASKETED SELF CENTERING COLLAR MAY BE USED IN LIEU OF THE BELL SECTION.
 3. CONCRETE RING TO BE CITY OF MIDLAND CLASS "C", 3600 PSI, UNLESS OTHERWISE NOTED.
 4. USE FIBER REINFORCEMENT FOR ALL CONCRETE, WHETHER PAVEMENT OR THRUST BLOCKING.
 5. 12" MINIMUM FOR CONCRETE RING IN AN ARTERIAL ROADWAY.
 6. FLOWABLE FILL 2-SACK (2 SACK = 188 LBS/CY, PORTLAND CEMENT) REQUIRED BENEATH ALL CONCRETE RINGS.
 7. FLOWABLE FILL 2-SACK (2 SACK = 188 LBS/CY, PORTLAND CEMENT) REQUIRED FOR ALL OVER EXCAVATION BACKFILL.
 8. MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY OF MIDLAND STANDARDS AND SPECIFICATIONS.
 9. CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER.

	DRAWN: DPM	EFFECTIVE DATE: 10/01/2018	SCALE: NTS	DETAIL:
	CHECKED: JCF	TYPICAL VALVE AND VALVE BOX DETAILS		608(B)
	APPROVED: MCC			

FULL PATH: G:\Production\6001006225\0215\001\Civil\Drawings\Plan\Sheet\CD\DWG\DETAILS.dwg
 FILENAME: 6001006225\0215\001\Civil\Drawings\Plan\Sheet\CD\DWG\DETAILS.dwg
 PLOTTED BY: Amir Alshaykh
 PLOTTED AT: 11/12/2018 10:52:28 AM

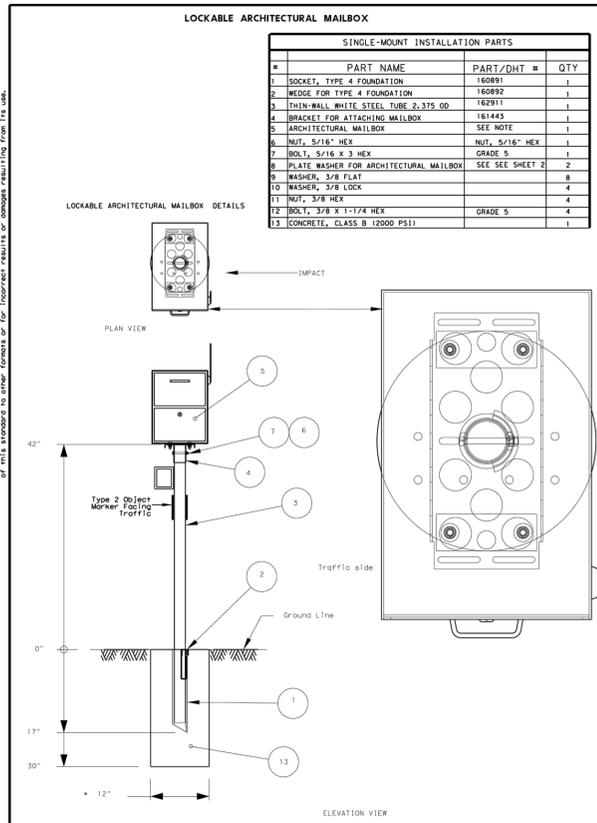
NO.	REVISION	BY	DATE	CHECKED

MIDLAND COUNTY MIDLAND, TEXAS	COM	SCALE
	DESIGNED	HORIZ
	COM	N/A
	DRAWN	VERT
	N/A	N/A
JLB	DATE	
	JUNE	
	2021	

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

MIDLAND COUNTY PRECINCT 2
 INDUSTRIAL AVENUE
 MIDLAND COUNTY, TEXAS
CITY OF MIDLAND UTILITY DETAILS

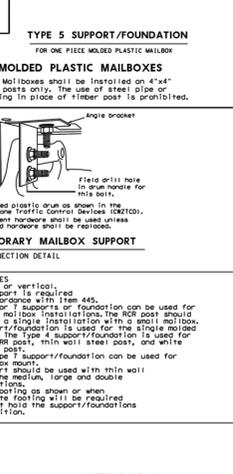
DA PROJECT
 B006225.001
 SHEET
7



DHT NUMBER	DESCRIPTION
160891	SOCKET, TYPE 4 FOUNDATION
160992	WEDGE FOR TYPE 4 FOUNDATION
161443	BRACKET FOR ATTACHING MAILBOX
163434	ANCHOR FOR TYPE 2 FOUNDATION
166103	ANCHOR FOR TYPE 7 FOUNDATION
160891	SOCKET FOR TYPE 4 FOUNDATION
160892	WEDGE FOR TYPE 4 FOUNDATION
166104	WEDGE FOR TYPE 7 FOUNDATION
4289	WINGED CHANNEL MAILBOX POST
149339	MULTIPLE MAILBOX POST (GALVANIZED TUBING)
164116	MULTIPLE MAILBOX POST (WHITE COATED)
166114	MULTIPLE MAILBOX POST (WHITE COATED OCTAGONAL)
166153	MULTIPLE MAILBOX POST (GALVANIZED OCTAGONAL)
161442	RECYCLED RUBBER POST, FOR SMALL MAILBOX ONLY
143426	THIN-WALL GALVANIZED STEEL TUBE 2.375" OUTER DIAMETER
162911	THINWALL WHITE STEEL TUBE 2.375" OUTER DIAMETER
166152	2" OCTAGONAL
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)
148939	BRACKET FOR ATTACHING SMALL OR MEDIUM SIZE MAIL BOX
148938	EXTENDER TO BRACKET FOR ATTACHING LARGE MAILBOX
159489	ANGLE BRACKET PART A
159490	ANGLE BRACKET PART B
162323	STEEL POST GALVANIZED OR POWER-COATED
161443	AND TO MULTIPLE WHITE MAILBOX POST
163538	CASTING (NEWSPAPER RECEPTACLE BRACKET)
163231	3-SIDE T NEWSPAPER RECEPTACLE BRACKET
160598	BOLT HEX HEAD, GALV 3/8" DIA X 3/4" L, HD, W/2-FLAT WASHERS
163750	BOLT HEX HEAD, GALV 3/8" X 1-1/2", 16 NC, W/WASHERS
160701	BOLT HEX HEAD, GALV 3/8" DIA X 2-1/2" L, HD, W/2-FLAT WASHERS
163230	BOLT HEX HEAD, GALV 3/8" X 3-1/2", 16 NC, W/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

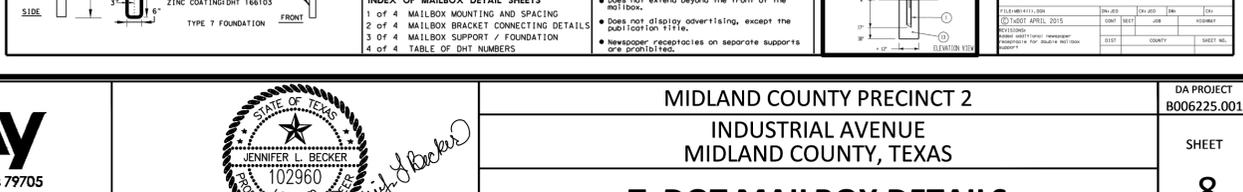
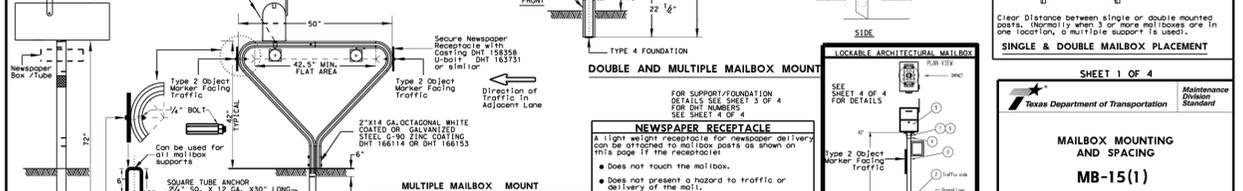
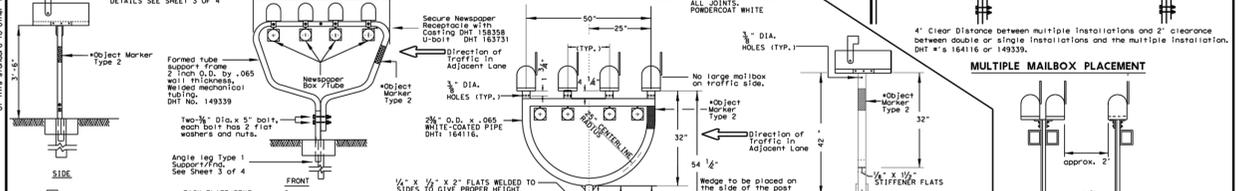
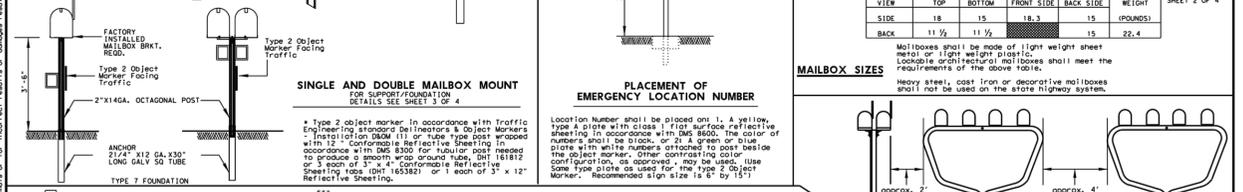
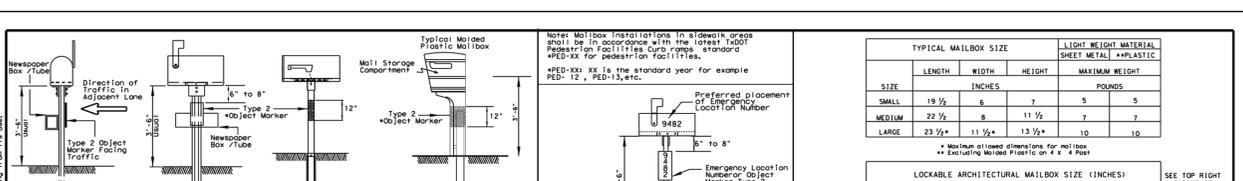
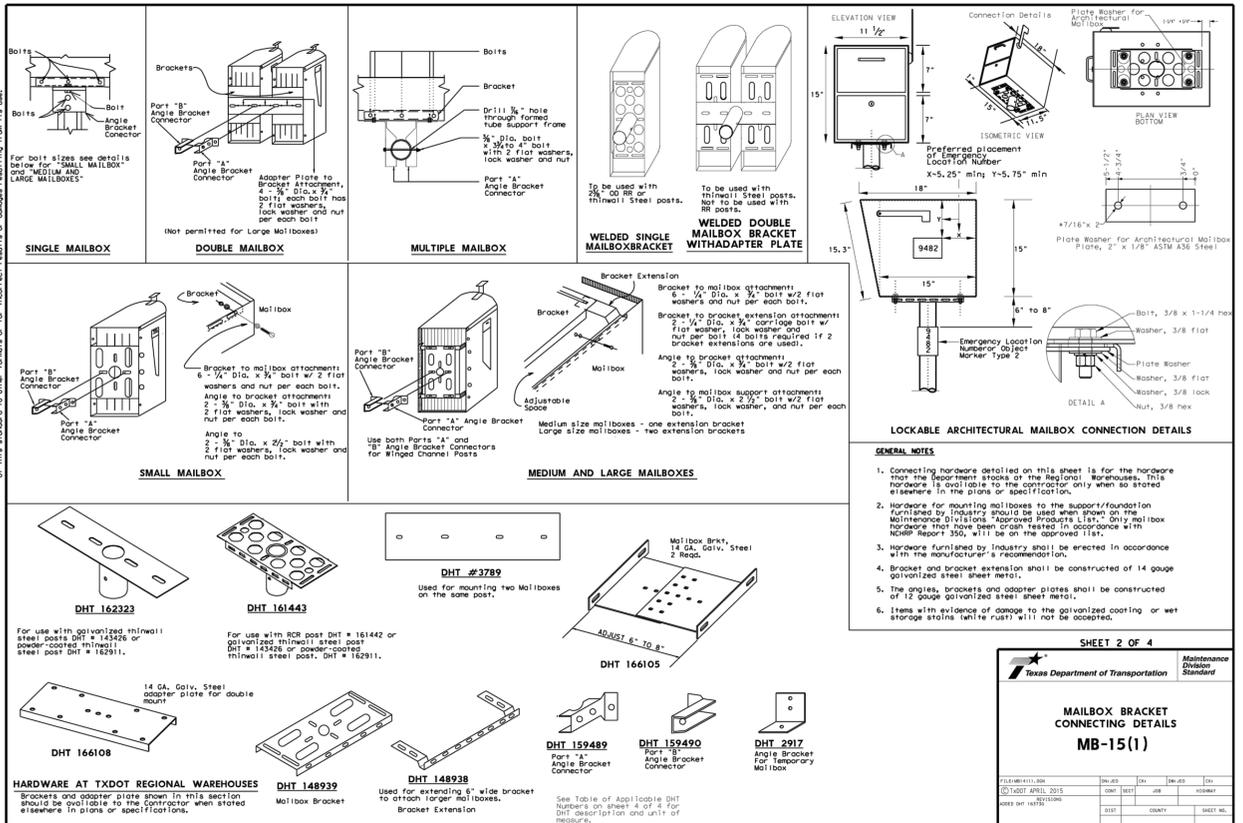
DHT NUMBER	DESCRIPTION
161812	REFLECTIVE SHEETING
161812	REFLECTIVE SHEETING FOR EMERGENCY LOCATION NUMBER PANEL

DHT NUMBER	DESCRIPTION
3917	ANGLE BRACKET USED FOR TEMPORARY MAILBOX SUPPORT
166105	BRACKET FOR SINGLE MOUNTING OF MAILBOXES (MOUNTING KIT)
3789	PLATE FOR DOUBLE MOUNTING OF MAILBOXES
166108	BRACKET FOR DOUBLE MOUNTING OF MAILBOXES (MOUNTING KIT)
166111	BRACKET FOR MULTIPLE MOUNTING OF MAILBOXES (MOUNTING KIT)
148939	BRACKET FOR ATTACHING SMALL OR MEDIUM SIZE MAIL BOX
148938	EXTENDER TO BRACKET FOR ATTACHING LARGE MAILBOX
159489	ANGLE BRACKET PART A
159490	ANGLE BRACKET PART B
162323	STEEL POST GALVANIZED OR POWER-COATED
161443	AND TO MULTIPLE WHITE MAILBOX POST
163538	CASTING (NEWSPAPER RECEPTACLE BRACKET)
163231	3-SIDE T NEWSPAPER RECEPTACLE BRACKET
160598	BOLT HEX HEAD, GALV 3/8" DIA X 3/4" L, HD, W/2-FLAT WASHERS
163750	BOLT HEX HEAD, GALV 3/8" X 1-1/2", 16 NC, W/WASHERS
160701	BOLT HEX HEAD, GALV 3/8" DIA X 2-1/2" L, HD, W/2-FLAT WASHERS
163230	BOLT HEX HEAD, GALV 3/8" X 3-1/2", 16 NC, W/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



DHT NUMBER	DESCRIPTION
160891	SOCKET, TYPE 4 FOUNDATION
160992	WEDGE FOR TYPE 4 FOUNDATION
161443	BRACKET FOR ATTACHING MAILBOX
163434	ANCHOR FOR TYPE 2 FOUNDATION
166103	ANCHOR FOR TYPE 7 FOUNDATION
160891	SOCKET FOR TYPE 4 FOUNDATION
160892	WEDGE FOR TYPE 4 FOUNDATION
166104	WEDGE FOR TYPE 7 FOUNDATION
4289	WINGED CHANNEL MAILBOX POST
149339	MULTIPLE MAILBOX POST (GALVANIZED TUBING)
164116	MULTIPLE MAILBOX POST (WHITE COATED)
166114	MULTIPLE MAILBOX POST (WHITE COATED OCTAGONAL)
166153	MULTIPLE MAILBOX POST (GALVANIZED OCTAGONAL)
161442	RECYCLED RUBBER POST, FOR SMALL MAILBOX ONLY
143426	THIN-WALL GALVANIZED STEEL TUBE 2.375" OUTER DIAMETER
162911	THINWALL WHITE STEEL TUBE 2.375" OUTER DIAMETER
166152	2" OCTAGONAL
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)
148939	BRACKET FOR ATTACHING SMALL OR MEDIUM SIZE MAIL BOX
148938	EXTENDER TO BRACKET FOR ATTACHING LARGE MAILBOX
159489	ANGLE BRACKET PART A
159490	ANGLE BRACKET PART B
162323	STEEL POST GALVANIZED OR POWER-COATED
161443	AND TO MULTIPLE WHITE MAILBOX POST
163538	CASTING (NEWSPAPER RECEPTACLE BRACKET)
163231	3-SIDE T NEWSPAPER RECEPTACLE BRACKET
160598	BOLT HEX HEAD, GALV 3/8" DIA X 3/4" L, HD, W/2-FLAT WASHERS
163750	BOLT HEX HEAD, GALV 3/8" X 1-1/2", 16 NC, W/WASHERS
160701	BOLT HEX HEAD, GALV 3/8" DIA X 2-1/2" L, HD, W/2-FLAT WASHERS
163230	BOLT HEX HEAD, GALV 3/8" X 3-1/2", 16 NC, W/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

DHT NUMBER	DESCRIPTION
161812	REFLECTIVE SHEETING
161812	REFLECTIVE SHEETING FOR EMERGENCY LOCATION NUMBER PANEL



DHT NUMBER	DESCRIPTION
161812	REFLECTIVE SHEETING
161812	REFLECTIVE SHEETING FOR EMERGENCY LOCATION NUMBER PANEL

DISCLAIMER: THIS SHEET IS GOVERNED BY THE "Texas Engineering Practice Act". No warranty of any kind is made by the State of Texas or any of its agencies for the use of this sheet for any purpose other than that intended by the State of Texas.

FILE NAME: TxDOT DETAILS.dwg
 PLOTTED BY: Amber Adams
 PLOTTED DATE: 12/15/2021 10:52:36 AM

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

SCALE	HORIZ	VERT
	N/A	N/A
DATE	JUNE 2021	

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



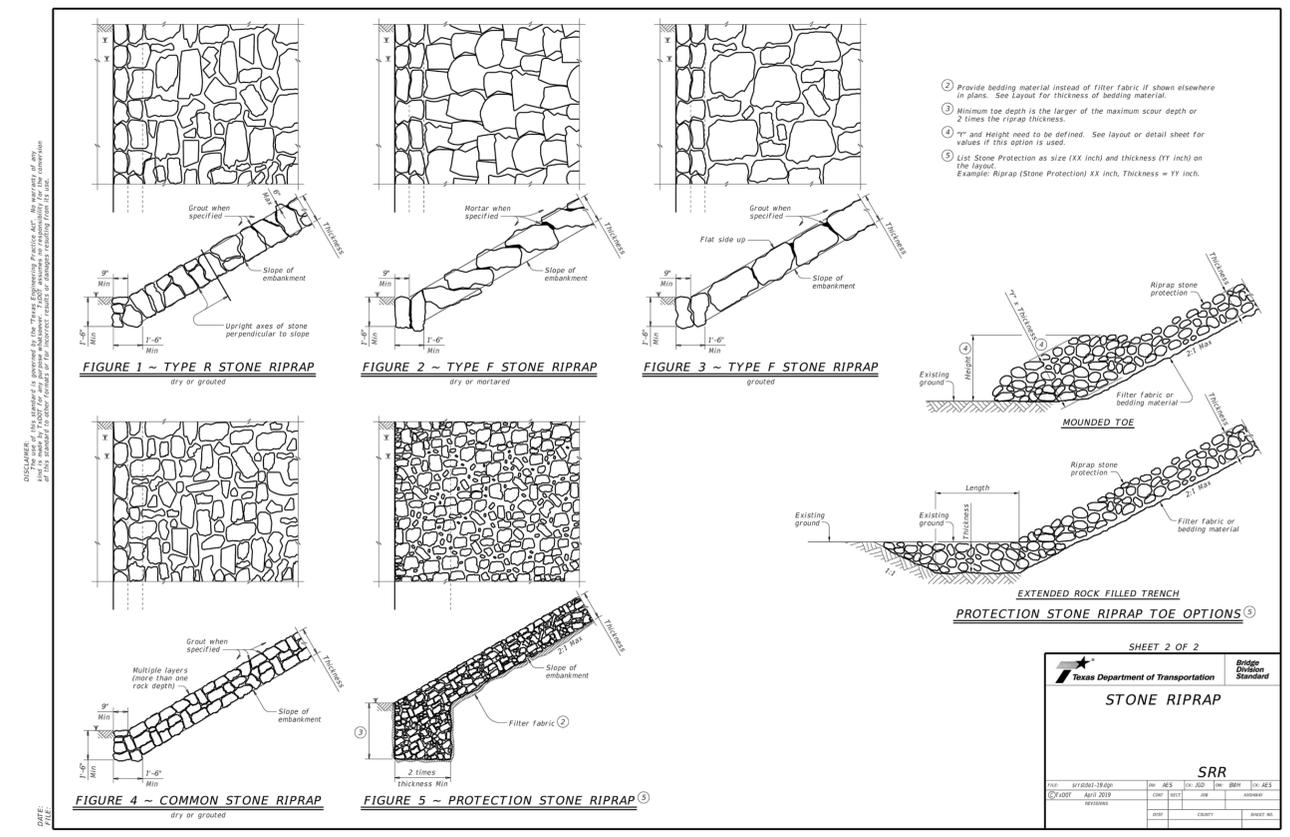
MIDLAND COUNTY PRECINCT 2
 INDUSTRIAL AVENUE
 MIDLAND COUNTY, TEXAS

TxDOT MAILBOX DETAILS

DA PROJECT B006225.001
 SHEET 8

FILE PATH: G:\Production\4000\0606225\001\Civil\Drawings\14x sheets\1\DOT DETAILS.dwg

FILE NAME: 14x DOT DETAILS.dwg
 PLOTTED BY: Amber Adams
 PLOTTED DATE: 4/22/21 10:52 AM



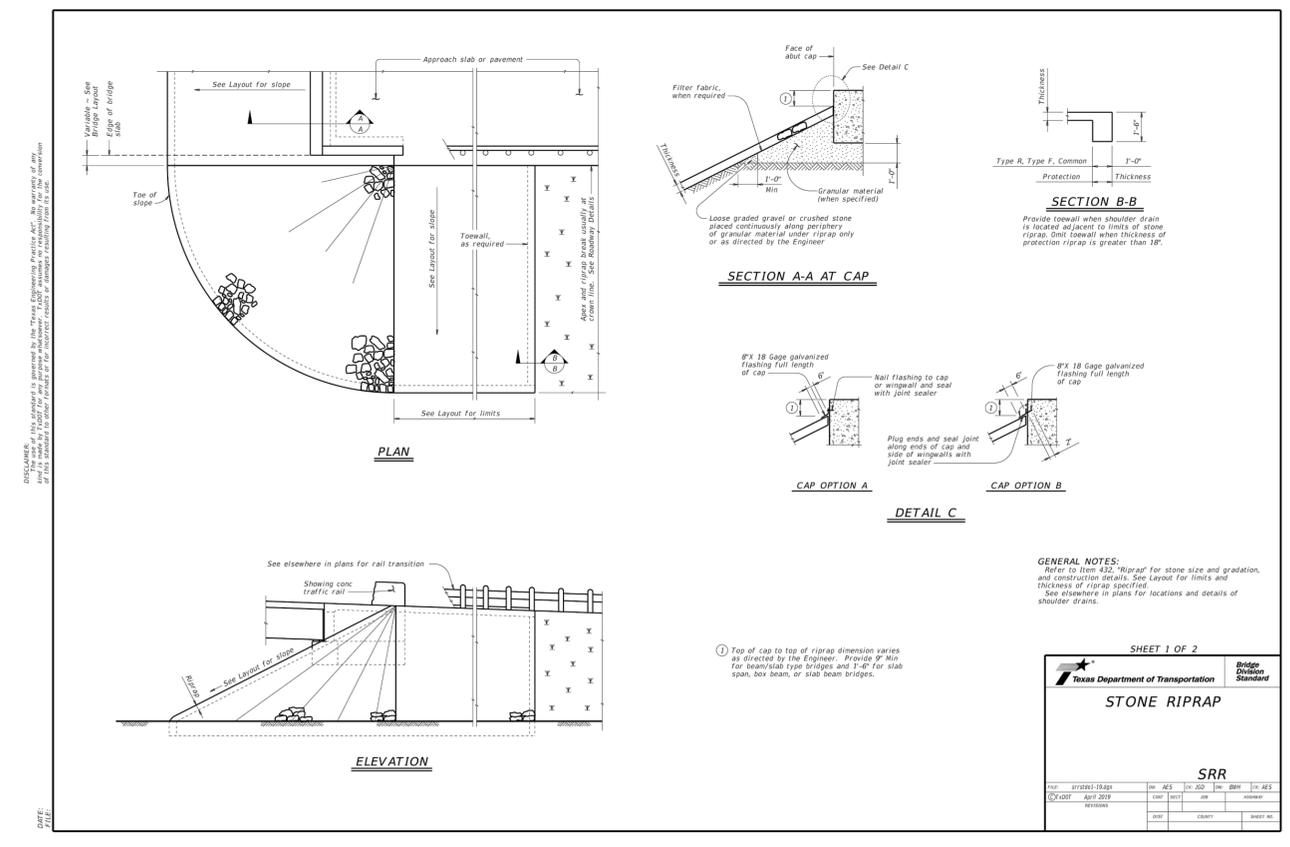
SHEET 2 OF 2

Texas Department of Transportation
 Bridge Division
 Standard

STONE RIPRAP

SRR

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1	04/19/20	AM	AM		ISSUED FOR CONSTRUCTION



SHEET 1 OF 2

Texas Department of Transportation
 Bridge Division
 Standard

STONE RIPRAP

SRR

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1	04/19/20	AM	AM		ISSUED FOR CONSTRUCTION

NO.	REVISION	BY	DATE	CHECKED

TxDOT DESIGNED JLB DRAWN JLB CHECKED	<p>MIDLAND COUNTY MIDLAND, TEXAS</p>	SCALE HORIZ N/A VERT N/A DATE JUNE 2021

DUNAWAY

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

STATE OF TEXAS
 JENNIFER L. BECKER
 102960
 PROFESSIONAL ENGINEER
 6/14/2021

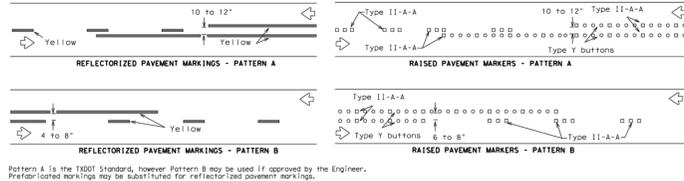
MIDLAND COUNTY PRECINCT 2 INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	DA PROJECT B006225.001
TxDOT RIPRAP DETAILS	SHEET 10

FILE PATH: C:\ProgramData\Autodesk\LT2011\Toolsets\Autodesk LT2011\Content\Drawings\2011\TXDOT\Traffic Control Details\BC (10) - 14.dwg

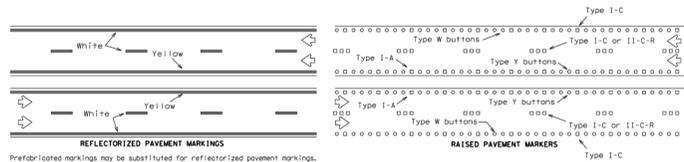
FILENAME: TFC0215.dwg
PLOTTER: AutoCAD
PLOT DATE: 11/23/2011 10:52:36 AM

DATE: 11/23/2011 10:52:36 AM

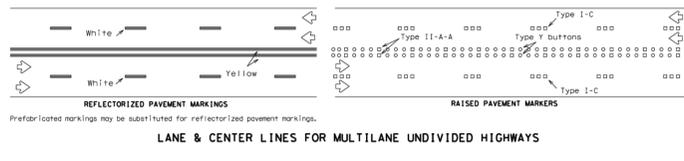
PAVEMENT MARKING PATTERNS



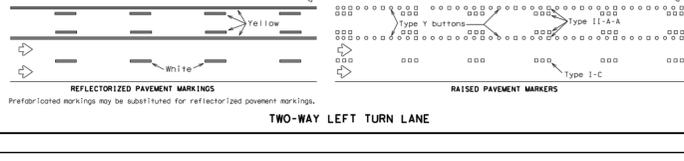
CENTER LINE & NO-PASSING ZONE BARRIER LINES FOR TWO-LANE, TWO-WAY HIGHWAYS



EDGE & LANE LINES FOR DIVIDED HIGHWAY

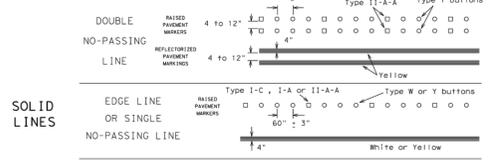


LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS

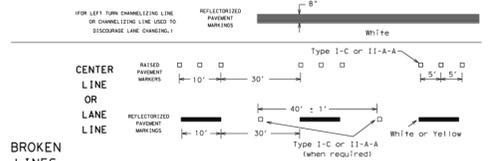


TWO-WAY LEFT TURN LANE

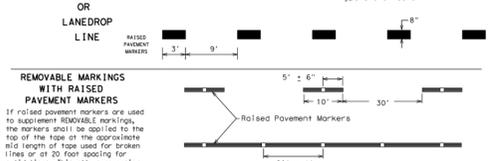
STANDARD WORK ZONE PAVEMENT MARKINGS DETAILS



SOLID LINES



BROKEN LINES

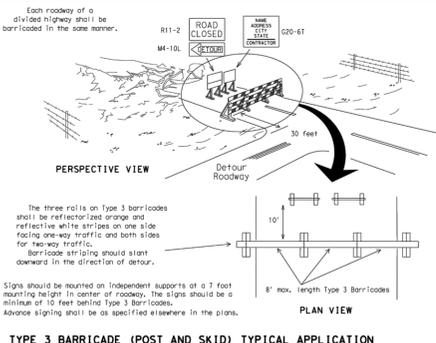


REMOVABLE MARKINGS WITH RAISED PAVEMENT MARKERS

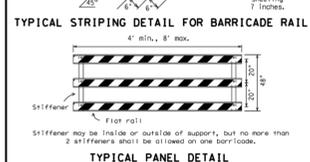
BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS
BC (12) - 14
Texas Department of Transportation
Traffic Operations Division
SHEET 12 OF 12

TYPE 3 BARRICADES

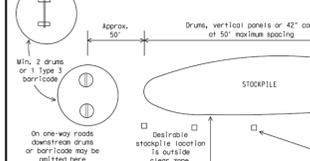
- 1. Refer to the Compliant Work Zone Traffic Control Devices List (CWZTD) for details of the Type 3 Barricades and a list of all elements used in the construction of Type 3 Barricades.
- 2. Type 3 Barricades shall be used at each end of construction projects closed to all traffic.
- 3. Barricades extending across a roadway shall have stripes that slope downward in the direction toward which traffic must turn in detour. When both right and left turns are provided, the downward stripes may slope downward in both directions from the center of the barricade.
- 4. Striping of rolls, for the right side of the roadway, should slope downward to the left, for the left side of the roadway, striping should slope downward to the right.
- 5. Identification markings may be shown only on the back of the barricade. The minimum height of letters and/or company logos used for identification shall be 1".
- 6. Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
- 7. Warning lights shall NOT be installed on barricades.
- 8. Where barricades require the use of weights to keep from turning over, the use of sand with dry, cohesionless sand is recommended. The sandbag will be tied shut to keep the sand from spilling and to maintain a constant weight. Some bags shall not be stacked in a manner that covers any portion of a barricade roll's reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as fire hose) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
- 9. Sheeting for barricades shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300 unless otherwise noted.



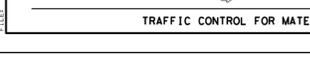
TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



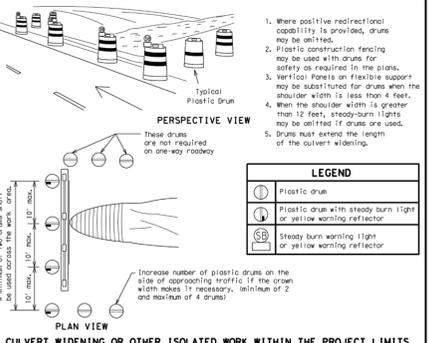
TYPICAL STRIPING DETAIL FOR BARRICADE RAIL



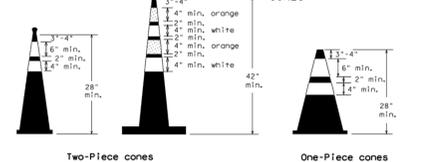
TYPICAL PANEL DETAIL FOR SKID OR POST TYPE BARRICADES



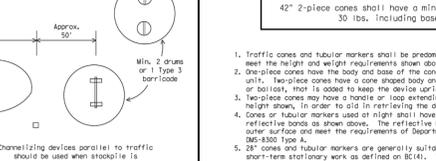
TRAFFIC CONTROL FOR MATERIAL STOCKPILES



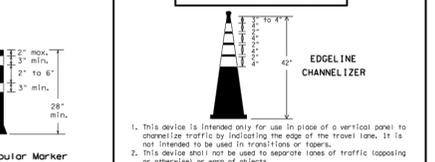
CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



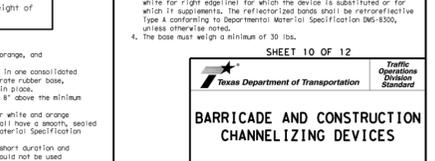
CONES



TRAFFIC CONTROL FOR MATERIAL STOCKPILES



CHANNELIZING DEVICE

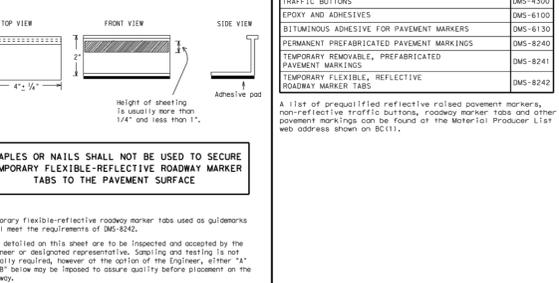


CHANNELIZING DEVICE

WORK ZONE PAVEMENT MARKINGS

- GENERAL**
 - 1. The Contractor shall be responsible for maintaining work zone and existing pavement markings. In accordance with the standard specifications and special provisions, all roadway open to traffic within the CSJ limits unless otherwise stated in the plans.
 - 2. Color, pattern and alternate shall be in conformance with the Texas Manual on Uniform Traffic Control Devices (TMUDC).
 - 3. Additional supplemental pavement markings may be found in the plans or specifications.
 - 4. Pavement markings shall be installed in accordance with the TMUDC and as shown on the plans.
 - 5. When short term markings are required on the plans, short term markings shall conform with the TMUDC, the plans and details as shown on the Standard Plan Sheet WZ(519).
 - 6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected at the beginning of the sections where posting is prescribed and PASS WITH CARE signs at the beginning of sections where posting is permitted.
 - 7. All work zone pavement markings shall be installed in accordance with Item 662, "Work Zone Pavement Markings."
- REMOVED PAVEMENT MARKINGS**
 - 1. Removal of pavement markings shall be inspected and accepted by the Engineer or designated representative. Sanding and testing is not normally required, however, at the option of the Engineer, "A" or "B" below may be imposed to assure quality before placement on the roadway.
 - A. Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification conformance.
 - B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic pavement in a straight line, using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction, no more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.
 - 2. Seal design variances may be noted between manufacturers.
 - 3. See Standard Sheet WZ(519M) for tab placement on new pavements. See Standard Sheet TSP(17-1) for tab placement on seal coat work.
- RAISED PAVEMENT MARKERS USED AS GUIDEMARKS**
 - 1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
 - 2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
 - 3. Adhesive for guidemarks shall be bituminous material not applied on surfaces, or thermoplastic for concrete surfaces.
 - 4. Guidemarks shall be designated as:
 - YELLOW - Two other reflective surfaces with yellow body.
 - WHITE - One silver reflective surface with white body.

Temporary Flexible-Reflective Roadway Marker Tabs



STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVEMENT SURFACE

DEPARTMENTAL MATERIAL SPECIFICATIONS

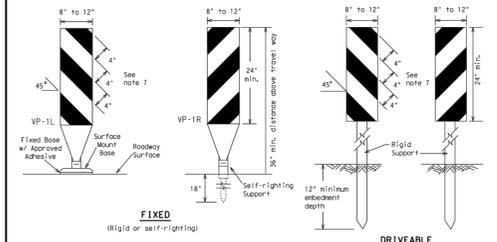
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
TRAFFIC BARRICADES	DMS-4300
EPXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6200
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8300
TEMPORARY REMOVABLE, PREFABRICATED PAVEMENT MARKINGS	DMS-8241
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS	DMS-8242

A list of prequalified reflective raised pavement markers, non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(11).

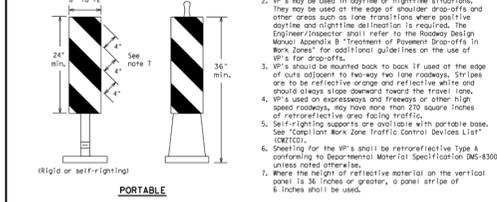
RAISED PAVEMENT MARKERS USED AS GUIDEMARKS

- 1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
- 2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
- 3. Adhesive for guidemarks shall be bituminous material not applied on surfaces, or thermoplastic for concrete surfaces.
- 4. Guidemarks shall be designated as:
 - YELLOW - Two other reflective surfaces with yellow body.
 - WHITE - One silver reflective surface with white body.

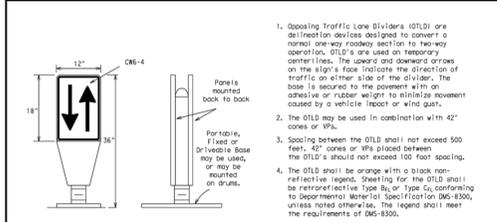
BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS
BC (11) - 14
Texas Department of Transportation
Traffic Operations Division
SHEET 11 OF 12



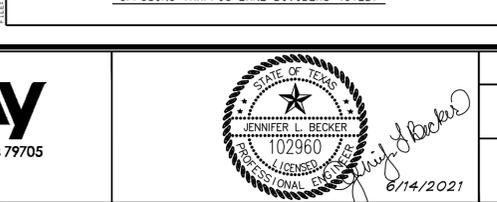
FIXED (Right or Left-Righting) and DRIVABLE



PORTABLE



VERTICAL PANELS (VPs)



OPPOSING TRAFFIC LANE DIVIDERS (OTLD)

LONGITUDINAL CHANNELIZING DEVICES (LCD)

- 1. LCDs are ornamental, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or restrain a vehicle on impact.
- 2. LCDs may be used instead of a line of cones or drums.
- 3. LCDs shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTD list.
- 4. LCDs should not be used to provide positive protection for obstacles, pedestrians or workers.
- 5. LCDs shall be supplemented with retroreflective or reflective as required for temporary barriers on BC(17) when placed roughly parallel to the travel lanes.
- 6. LCDs used as barriers should extend perpendicular to the travel lanes at least one row of reflective sheeting meeting the requirements for barricade rolls as shown on BC(10) placed near the top of the LCD along the full length of the device.

SUGGESTED MAXIMUM SPACING OF CHANNELIZING DEVICES AND MINIMUM DESIRABLE TAPER LENGTHS

Posted Speed	Formula	Minimum Desirable Spacing of Taper Lengths	Suggested Maximum Channelizing Device Spacing	On 5' Lane	On 6' Lane	
30	100	150'	165'	180'	30'	60'
35	105	205'	225'	245'	35'	70'
40	110	265'	295'	320'	40'	80'
45	115	325'	365'	400'	45'	90'
50	120	385'	435'	470'	50'	100'
55	125	445'	505'	540'	55'	110'
60	130	505'	575'	610'	60'	120'
65	135	565'	645'	680'	65'	130'
70	140	625'	715'	750'	70'	140'
75	145	685'	785'	820'	75'	150'
80	150	745'	855'	890'	80'	160'

*K-factor lengths have been rounded off.
L=Length of Taper (ft.), W=Width of Taper (ft.)
5'-Posted Speed (mph)

- WATER BALASTED SYSTEMS USED AS BARRIERS**
 - 1. Water ballasted systems used as barriers shall not be used to channelize road users, but also to protect the work space per the appropriate ND89 350 work zone safety requirements based on roadway speed and barrier location.
 - 2. Water ballasted systems used to channelize road users shall be supplemented with retroreflective or reflective sheeting to improve nighttime visibility. They may also be supplemented with pavement markings or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with pavement markings to the device, and used only when shown on the CWZTD list.
 - 3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTD list.
 - 4. Water ballasted systems used as barriers shall not be used for signaling tower egress (less than 45 mph urban areas). When used as a tower in a low speed urban area, the barrier shall be delineated and the tower length shall be designed to define the road user speed limit controlling the available egress conditions.
 - 5. When water ballasted systems or barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or forced to a point outside the clear zone.

HOLLOW OR WATER BALASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS

- 1. If used to channelize traffic, longitudinal channelizing devices or water ballasted systems shall have a continuous detectable bottom for users of long cones and the top of the unit shall not be less than 32 inches in height.

GENERAL NOTES

- 1. Work zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roadways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the Texas Manual on Uniform Traffic Control Devices (TMUDC).
- 2. Channelizing devices shown on this sheet may be a drivable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the general notes or other plan sheets.
- 3. Channelizing devices on self-righting supports should be used in work zone areas where channelizing devices are frequently impacted by errant vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUDC and the Compliant Work Zone Traffic Control Devices List (CWZTD).
- 4. The Contractor shall maintain devices in clean condition and replace damaged, nonreflective, faded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spacing and alignment.
- 5. Portable bases shall be fastened from virgin and/or recycled rubber. The portable bases shall weigh a minimum of 30 lbs.
- 6. Power surfaces shall be prepared and applied according to the manufacturer's recommendations.
- 7. The installation and removal of channelizing devices shall not cause detrimental effects to the final pavement surface, including pavement surface discoloration or surface irregularity. Drivable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES
BC (10) - 14
Texas Department of Transportation
Traffic Operations Division
SHEET 10 OF 12

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES
BC (9) - 14
Texas Department of Transportation
Traffic Operations Division
SHEET 9 OF 12

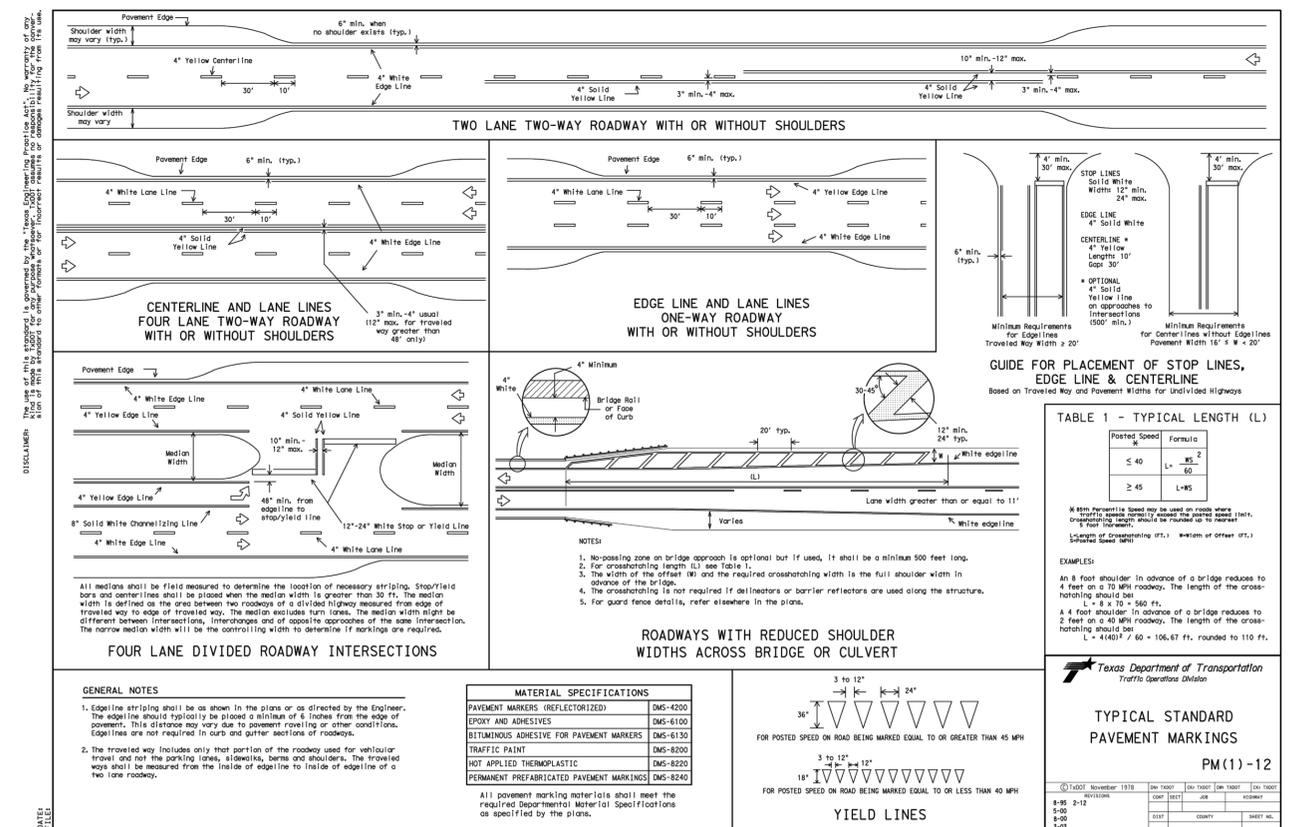
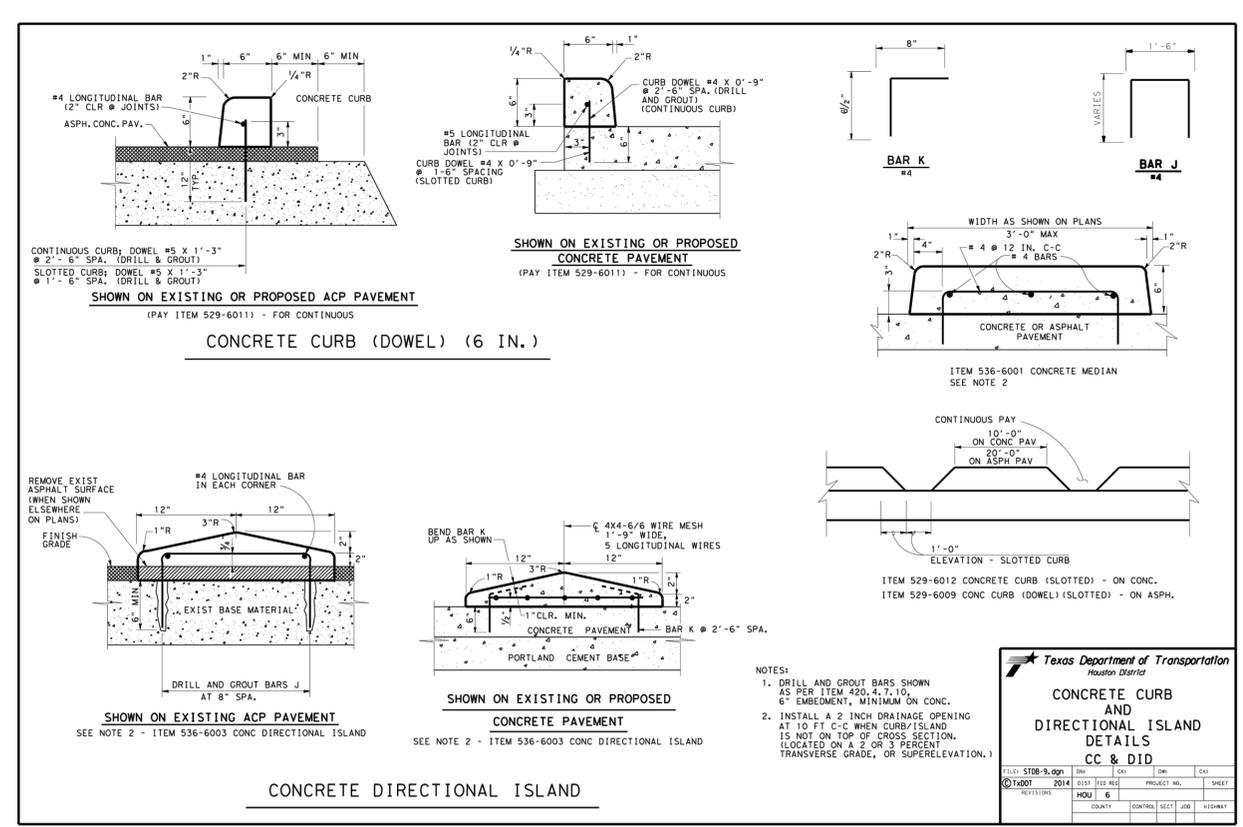
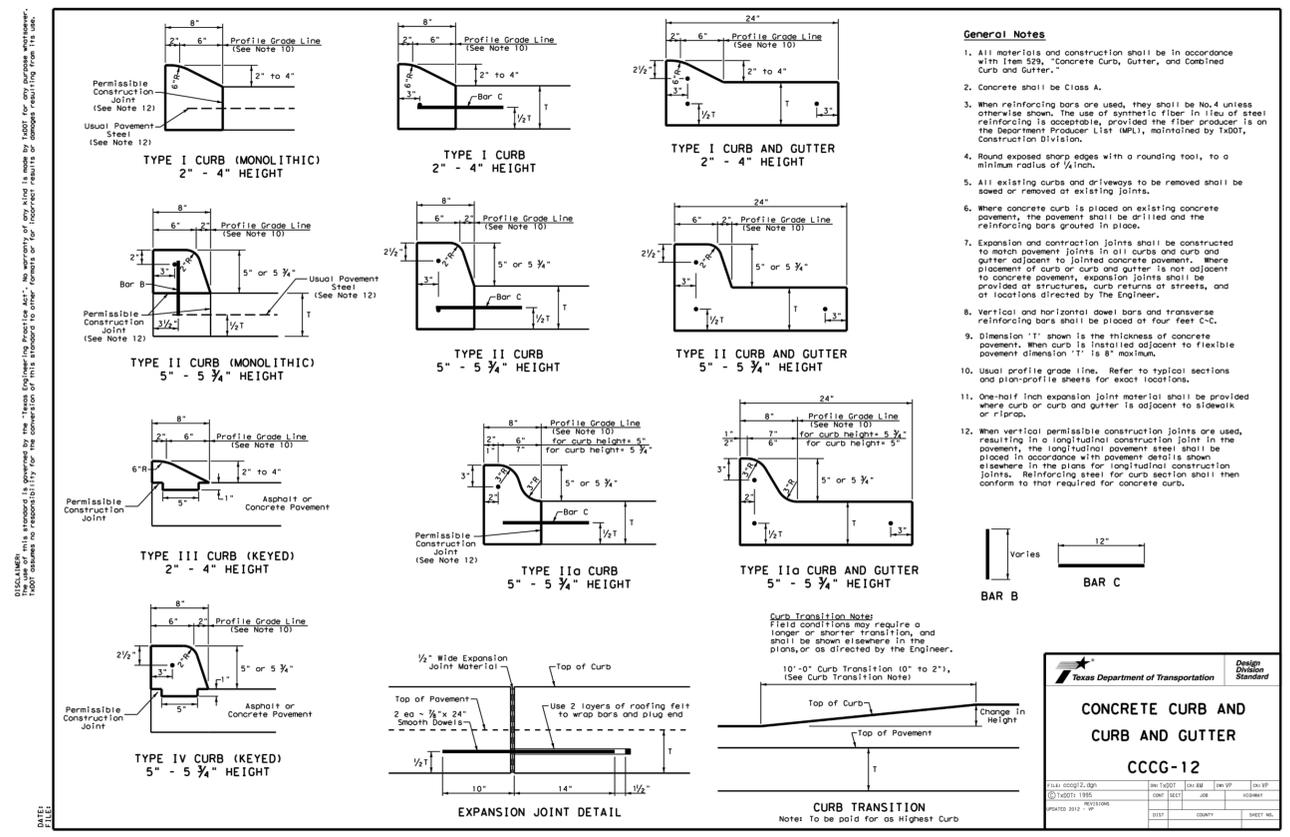
NO.	REVISION	BY	DATE	CHECKED
		JAS		
		DESIGNED		
		JAS		
		DRAWN		
		JLB		

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

STATE OF TEXAS
PROFESSIONAL ENGINEER
102960
Professional Seal of *James J. Books*
6/14/2021

MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS
TXDOT TRAFFIC CONTROL DETAILS
3 OF 3

DA PROJECT
006225.001
SHEET
15



FILE PATH: G:\Production\6000\606200\60225\001\CAD\Drawings\plans\sheet\TxDOT\DETAILS.dwg
 PLOTTED BY: Amber Adams
 PLOTTED DATE: 10/25/2021 10:53:28 AM

NO.	REVISION	BY	DATE	CHECKED

TxDOT
 DESIGNED
 JLB
 DRAWN
 JLB
 CHECKED

SCALE
 HORIZ
 N/A
 VERT
 N/A
 DATE
 JUNE
 2021

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

STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 102960
 Jennifer L. Becker
 6/14/2021

MIDLAND COUNTY PRECINCT 2
 INDUSTRIAL AVENUE
 MIDLAND COUNTY, TEXAS
TxDOT MISC DETAILS

DA PROJECT
 B006225.001
 SHEET
17



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.

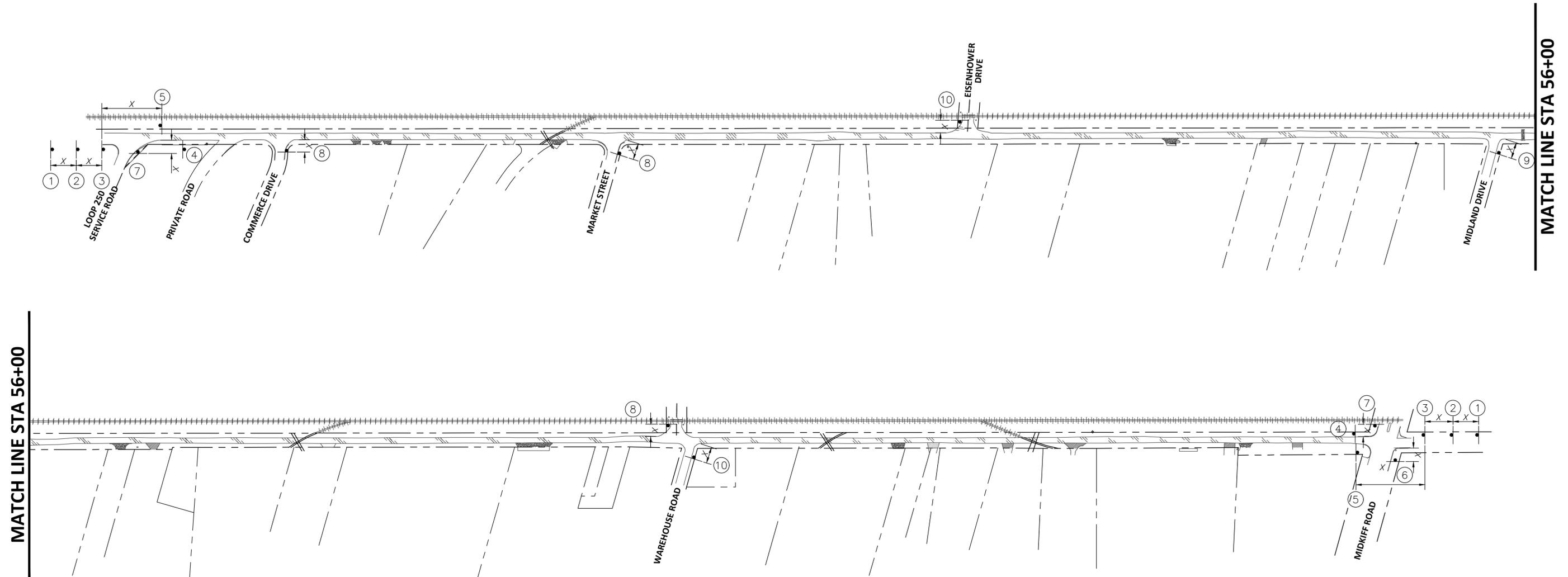
UTILITY RELOCATION NOTE:

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.

INDUSTRIAL AVENUE

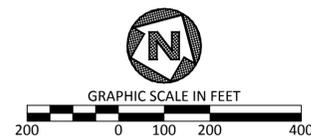
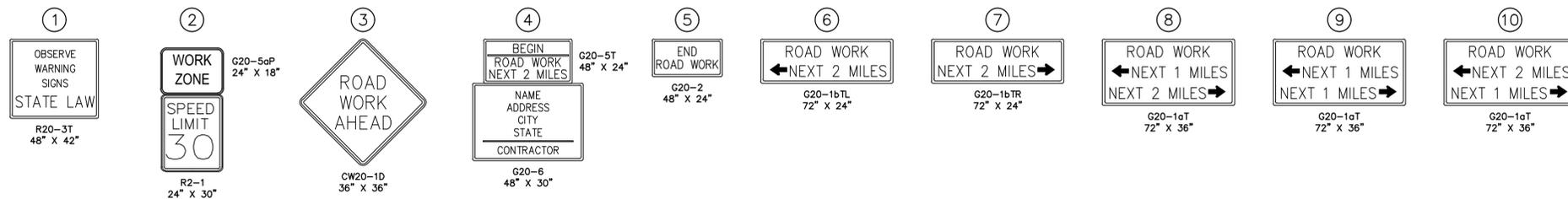


MATCH LINE STA 56+00

MATCH LINE STA 56+00

GENERAL TRAFFIC CONTROL NOTES:

1. THE ADVANCE WARNING 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.
2. THE ADVANCE WARNING SIGNS SHALL BE LOCATED IN ADVANCE OF THE PHASING TRAFFIC CONTROL SEQUENCING FOR THE ABOVE LOCATIONS.
3. THE ADVANCE WARNING SIGNS SHALL REMAIN IN PLACE FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEAR ZONE (MEASURED FROM THE EDGE OF THE ADJACENT TRAFFIC LANE) DURING NON-WORK HOURS.
5. *X* REFER TO BC(2)-14 FOR SPACING.
6. WORK ALONG ROADWAY SHALL BE DURING DAYLIGHT HOURS ACCORDING TO TXDOT STANDARDS TCP(2-3)-18. BOTH LANES OF TRAFFIC WILL REMAIN OPEN DURING CONSTRUCTION.
7. STOP EQUIPMENT FOR TRAFFIC WHEN CROSSING AT ANY TRAFFIC LANES. FURNISH FLAGGERS TO WARN EQUIPMENT OPERATORS OF APPROACHING TRAFFIC, UNLESS OTHERWISE DIRECTED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PEDESTRIANS AND MOTORISTS IN THE AREA OF THE CONSTRUCTION SITE.
9. ALL CONSTRUCTION OPERATIONS SHALL BE CONDUCTED TO PROVIDE MINIMAL INTERFERENCE TO TRAFFIC.
10. THE CONTRACTOR WILL PROVIDE ALL TRAFFIC CONTROL DURING CONSTRUCTION IN ACCORDANCE WITH THE GUIDELINES IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THAT NEEDED WHILE RAILROAD WORKERS ARE PRESENT.



FULL PATH: G:\Production\4000\006225\001\Drawings\Traffic\Traffic Control\PLAN.dwg

FILENAME: TRAFFIC CONTROL PLAN.dwg
PLOTTER BY: ARBOR ARBOR
PLOT DATE: 6/14/2021

NO.	REVISION	BY	DATE

JAS	DESIGNED
JAS	DRAWN
JLB	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ
1" = 200'	VERT
N/A	DATE
JUNE	2021

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
INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	B006225.001
TRAFFIC CONTROL PLAN ADVANCE WARNING SIGNS OVERALL LAYOUT	SHEET
	18



WARNING TO CONTRACTOR:

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

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.

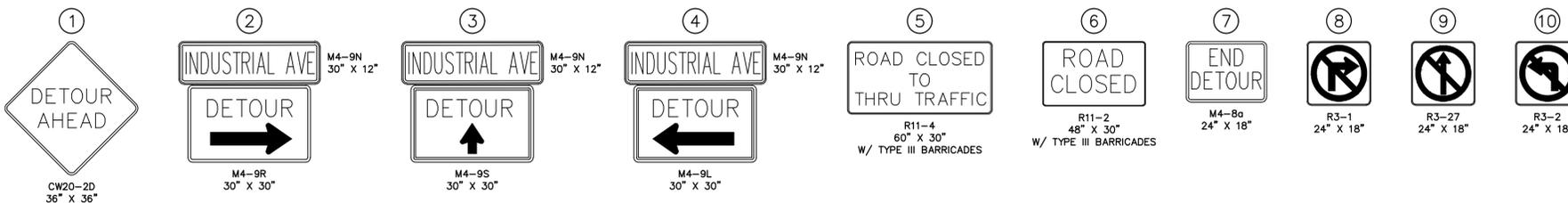
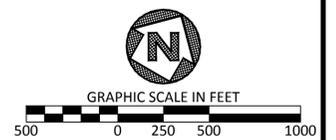
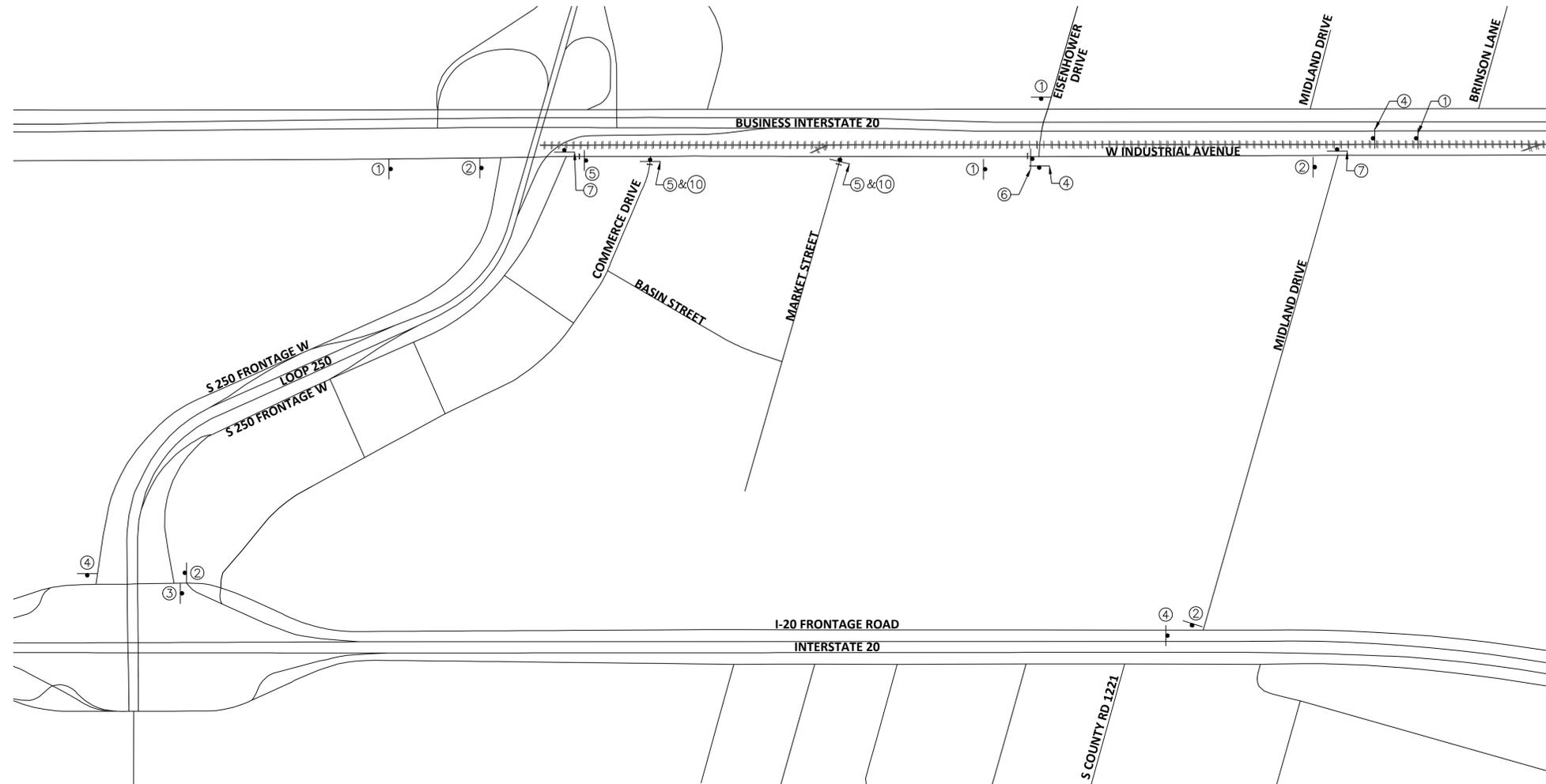
UTILITY RELOCATION NOTE:

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.

TRAFFIC DETOUR PHASE 1



TCP PHASE 1 TRAFFIC:

1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
2. INSTALL TRAFFIC CONTROL FOR ROAD CLOSURE AND DETOUR.
3. LOCAL TRAFFIC SHALL BE ALLOWED TO TRAVEL EAST BOUND ONLY.
4. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.

SUGGESTED SEQUENCE OF WORK:

CONSTRUCTION:

1. REMOVE EXISTING HMAC PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED.
2. CONTRACTOR SHALL CONSTRUCT TEMPORARY ACCESS TO ADJACENT PROPERTIES AND MAINTAIN ACCESS DURING CONSTRUCTION.
3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT.
4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
5. COMPLETE CLEAN UP OF AREA PRIOR TO PROCEEDING TO NEXT PHASE.

GENERAL TRAFFIC CONTROL NOTES:

1. 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.

FULL PATH: G:\Production\0001006206\02251001\01\Drawings\Phase 1\Traffic Control\Plan.dwg

FILENAME: TRAFFIC CONTROL PLAN.dwg
PLOTTER BY: ARIAN ARANDA
PLOT DATE: 06/15/2021

NO.	REVISION	BY	DATE	CHECKED

JAS	DESIGNED
JAS	DRAWN
JLB	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 500'
	VERT	N/A
	DATE	JUNE 2021

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

STATE OF TEXAS
JENNIFER L. BECKER
LICENSED PROFESSIONAL ENGINEER
102960
6/14/2021

MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS
**TRAFFIC CONTROL PLAN PHASE 1
STA 0+00 TO 33+00**

DA PROJECT
B006225.001
SHEET
19



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.

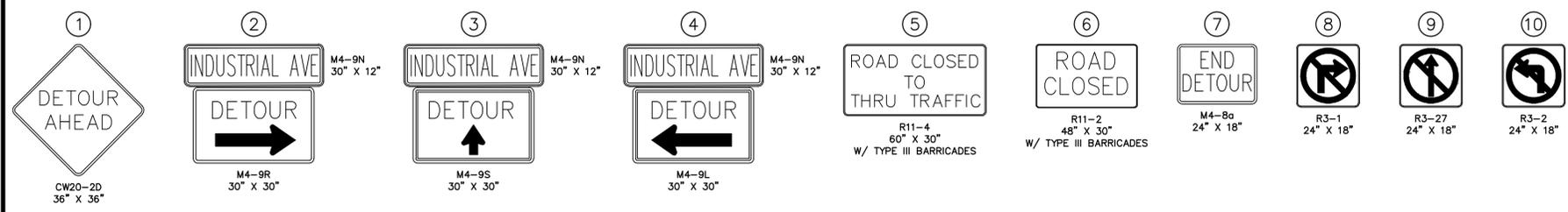
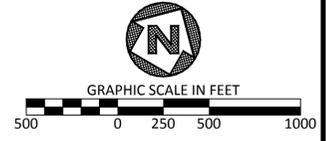
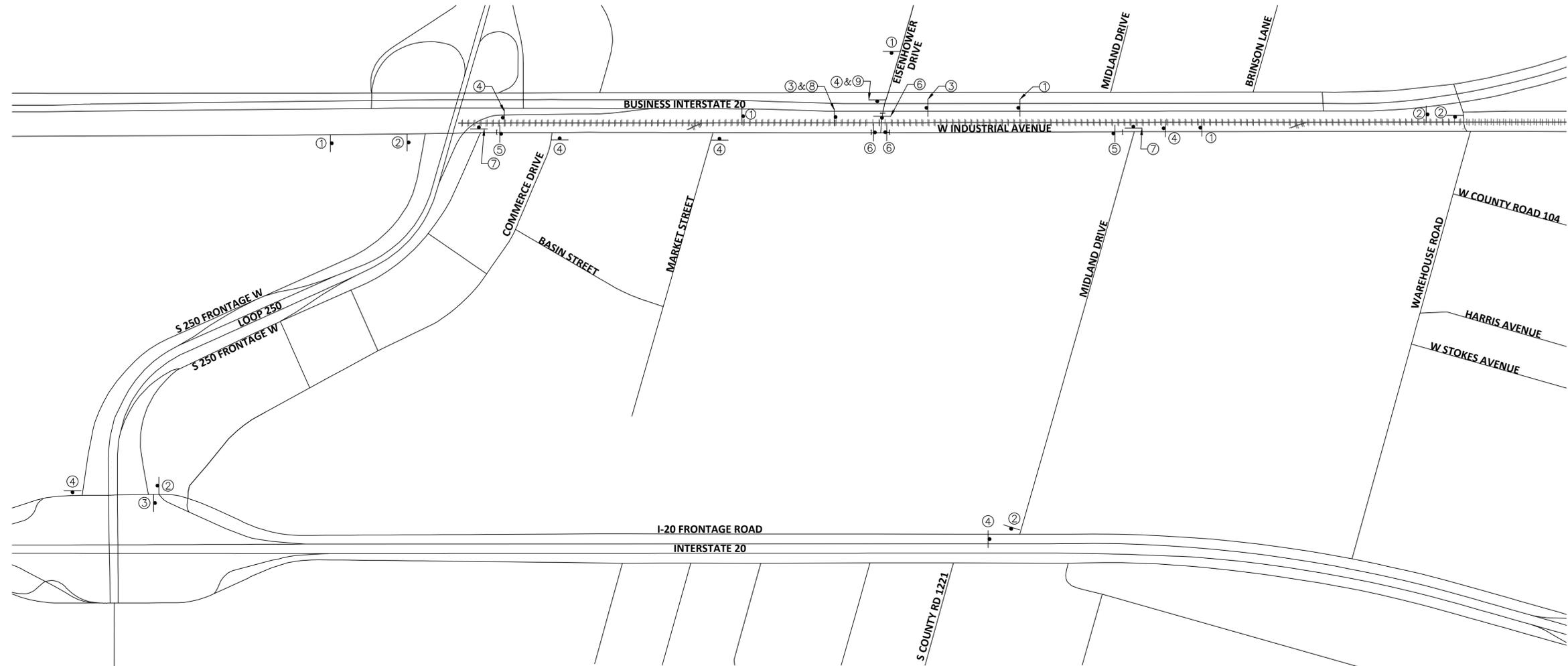
UTILITY RELOCATION NOTE:

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.

TRAFFIC DETOUR PHASE 2



- TCP PHASE 2 TRAFFIC:**
- REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 - INSTALL TRAFFIC CONTROL FOR ROAD CLOSURE AND DETOUR.
 - MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- SUGGESTED SEQUENCE OF WORK:**
- REMOVE EXISTING HMAC PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED.
 - BEGIN CONSTRUCTION OF PROPOSED PAVEMENT.
 - INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
 - COMPLETE CLEAN UP OF AREA PRIOR TO PROCEEDING TO NEXT PHASE.
- 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.

FULL PATH: C:\p\production\4000\006225\021\001\CAD\Drawings\Phase 2\Traffic Control\Plan.dwg
 FILENAME: TRAFFIC CONTROL PLAN.dwg
 PLOTTED BY: AMOR ARANDA
 PLOTTED AT: 11:53:39 AM

NO.	REVISION	BY	DATE	CHECKED

JAS
DESIGNED
JAS
DRAWN
JLB
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 500'
VERT
N/A
DATE
JUNE
2021

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

MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS
**TRAFFIC CONTROL PLAN PHASE 2
STA 33+00 TO 34+50**

DA PROJECT
B006225.001
SHEET
20



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.

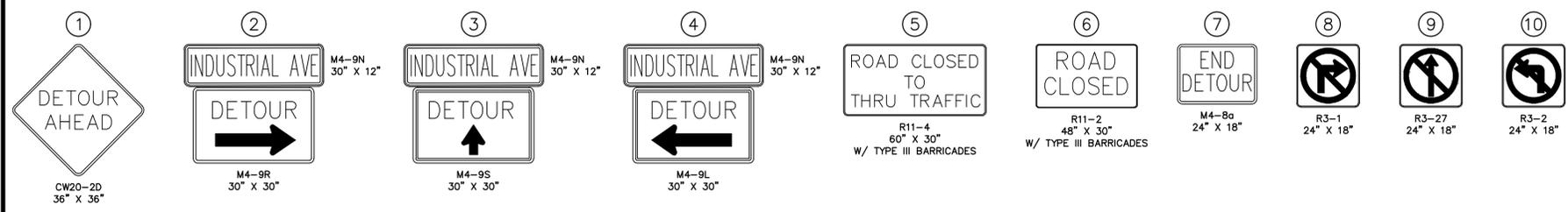
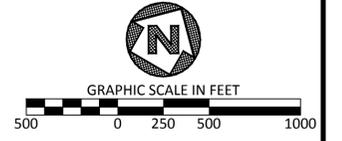
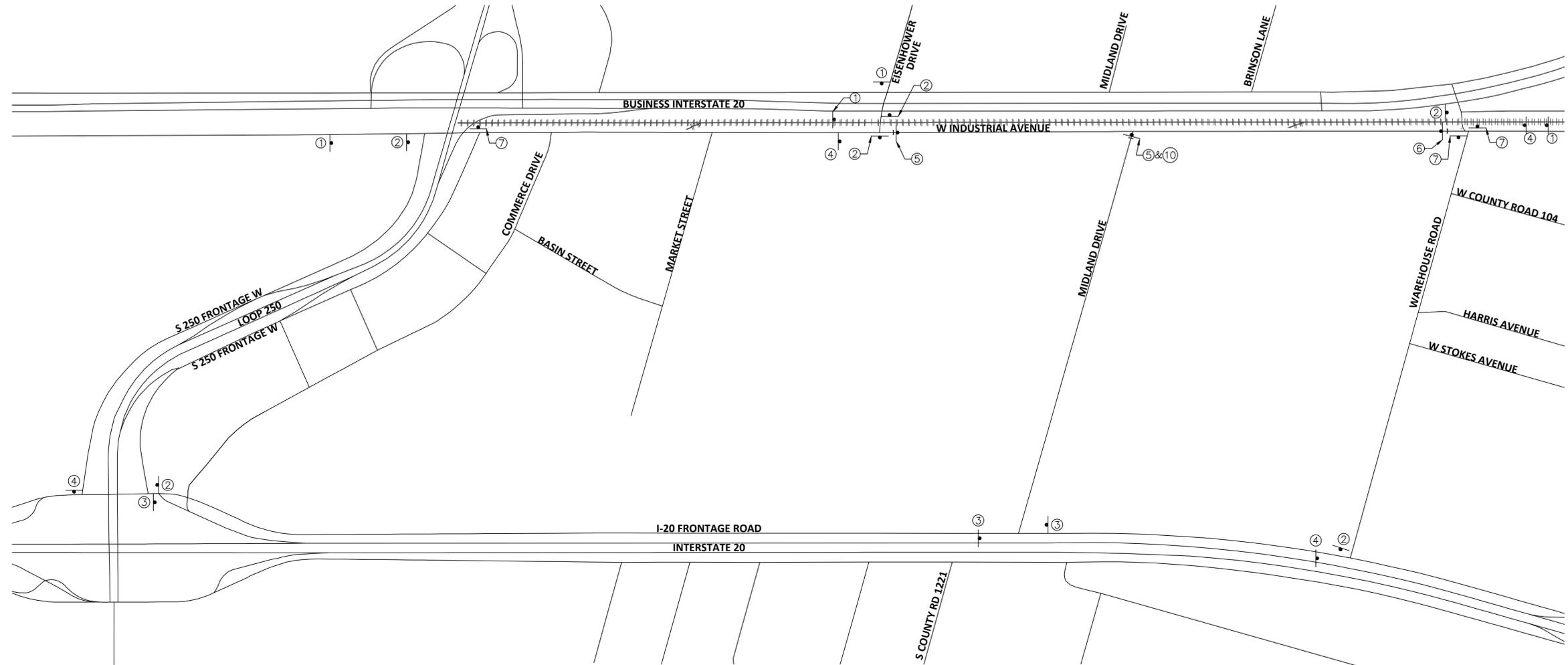
UTILITY RELOCATION NOTE:

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.

TRAFFIC DETOUR PHASE 3



- TCP PHASE 3 TRAFFIC:**
- REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
 - INSTALL TRAFFIC CONTROL FOR ROAD CLOSURE AND DETOUR.
 - LOCAL TRAFFIC SHALL BE ALLOWED TO TRAVEL EAST BOUND ONLY.
 - MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.
- SUGGESTED SEQUENCE OF WORK CONSTRUCTION:**
- REMOVE EXISTING HMAC PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED.
 - CONTRACTOR SHALL CONSTRUCT TEMPORARY ACCESS TO ADJACENT PROPERTIES AND MAINTAIN ACCESS DURING CONSTRUCTION.
 - BEGIN CONSTRUCTION OF PROPOSED PAVEMENT.
 - INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
 - COMPLETE CLEAN UP OF AREA PRIOR TO PROCEEDING TO NEXT PHASE.
- 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.

FULL PATH: C:\p\production\60010062006\02251001\CAD\Drawings\Phase 3\Traffic Control\Plan.dwg
 FILENAME: TRAFFIC CONTROL PLAN.dwg
 PLOTTED BY: AMIR AHMED
 PLOTTED AT: 11:53:39 AM

NO.	REVISION	BY	DATE	CHECKED

JAS
DESIGNED
JAS
DRAWN
JLB
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 500'
VERT
N/A
DATE
JUNE
2021

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

MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS
**TRAFFIC CONTROL PLAN PHASE 3
STA 34+50 TO 80+50**

DA PROJECT
B006225.001
SHEET
21



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.

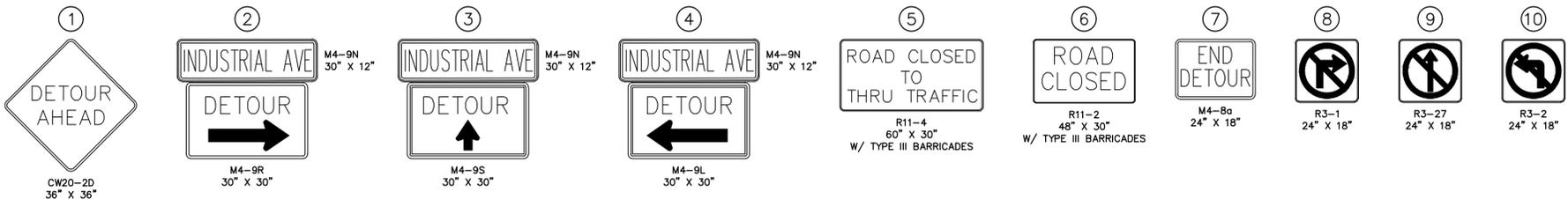
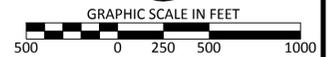
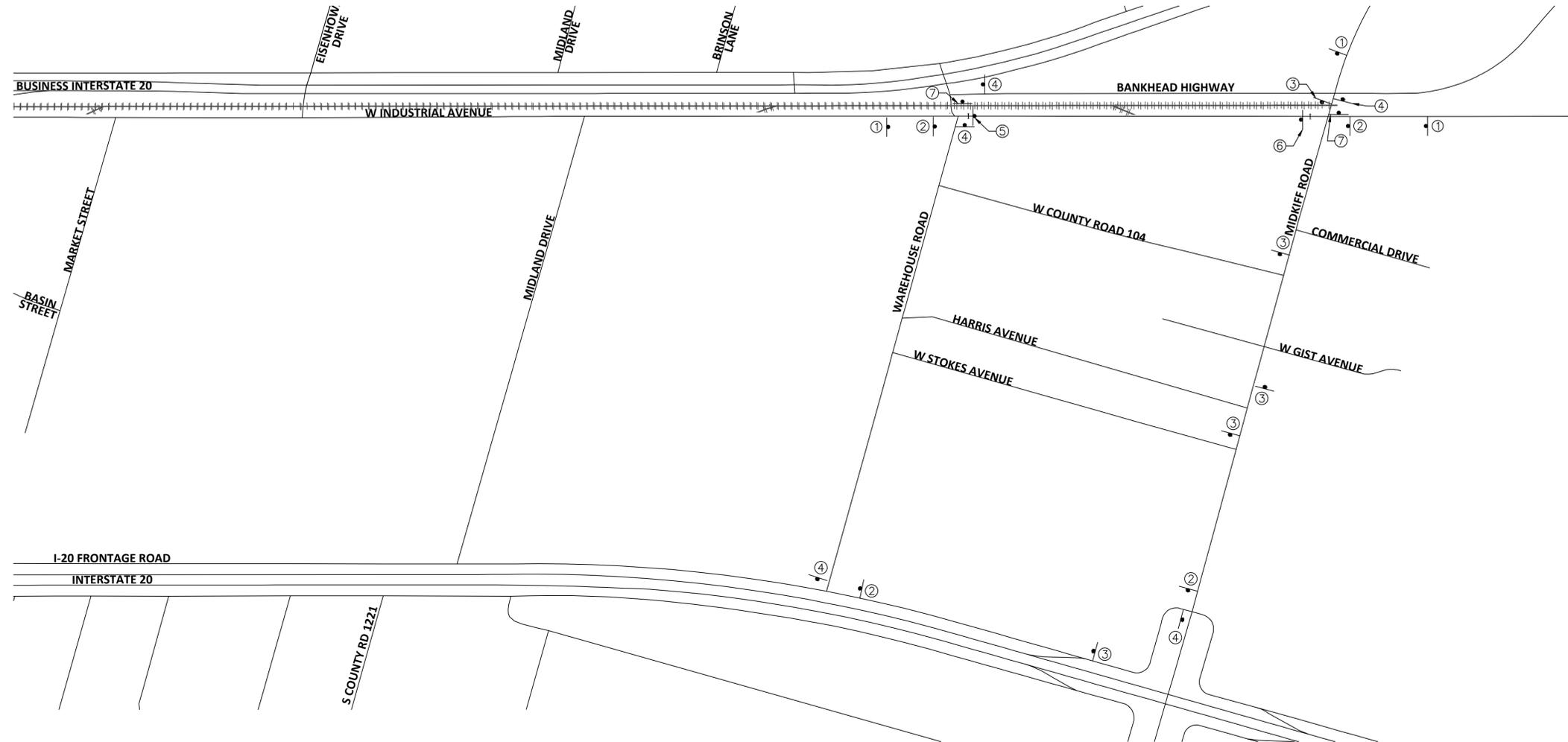
UTILITY RELOCATION NOTE:

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.

TRAFFIC DETOUR PHASE 5



TCP PHASE 5 TRAFFIC:

1. REMOVE EXISTING TRAFFIC CONTROL AND LANE MARKINGS AS REQUIRED.
2. INSTALL TRAFFIC CONTROL FOR ROAD CLOSURE AND DETOUR.
3. LOCAL TRAFFIC SHALL BE ALLOWED TO TRAVEL EAST BOUND ONLY.
4. MAINTAIN REMAINING EXISTING TRAFFIC CONTROL.

SUGGESTED SEQUENCE OF WORK:

GENERAL TRAFFIC CONTROL NOTES:

1. 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.

CONSTRUCTION:

1. REMOVE EXISTING HMAR PAVEMENT AND OTHER OBSTRUCTIONS AS REQUIRED.
2. CONTRACTOR SHALL CONSTRUCT TEMPORARY ACCESS TO ADJACENT PROPERTIES AND MAINTAIN ACCESS DURING CONSTRUCTION.
3. BEGIN CONSTRUCTION OF PROPOSED PAVEMENT.
4. INSTALL PROPOSED SIGNS AND PAVEMENT MARKINGS.
5. COMPLETE CLEAN UP.

FULL PATH: G:\Production\400010062006\02251001\01\Drawings\Phase 5\Traffic Control\PLAN.dwg
 FILENAME: TRAFFIC CONTROL PLAN.dwg
 PLOTTED BY: Allison Adams
 PLOTTED AT: 11/15/2021 10:58:58 AM

NO.	REVISION	BY	DATE	CHECKED

JAS	DESIGNED
JAS	DRAWN
JLB	CHECKED

SCALE	HORIZ	1" = 500'
	VERT	N/A
	DATE	JUNE 2021


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	B006225.001
INDUSTRIAL AVENUE	SHEET	23
MIDLAND COUNTY, TEXAS		
TRAFFIC CONTROL PLAN PHASE 5		
STA 82+00 TO END		



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.

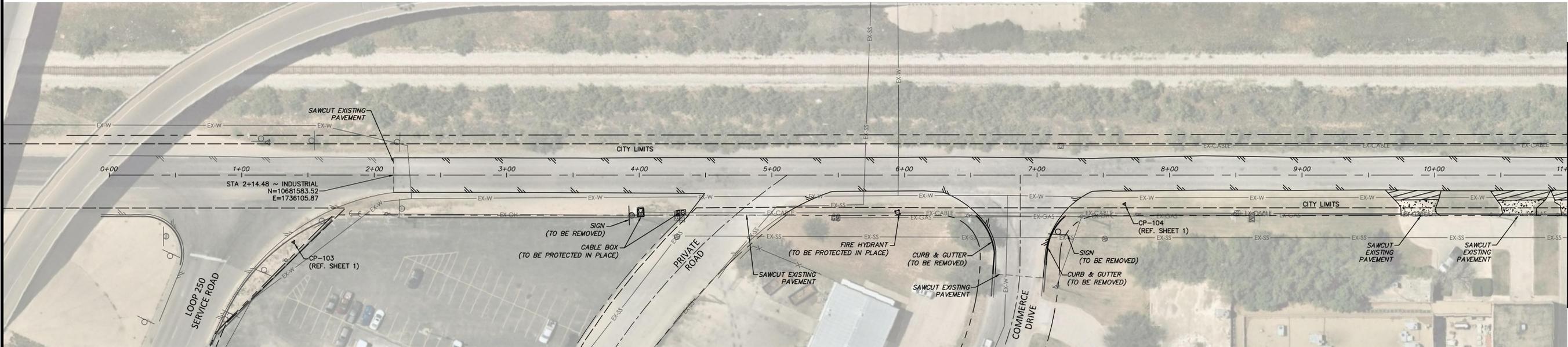
UTILITY RELOCATION NOTE:

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).

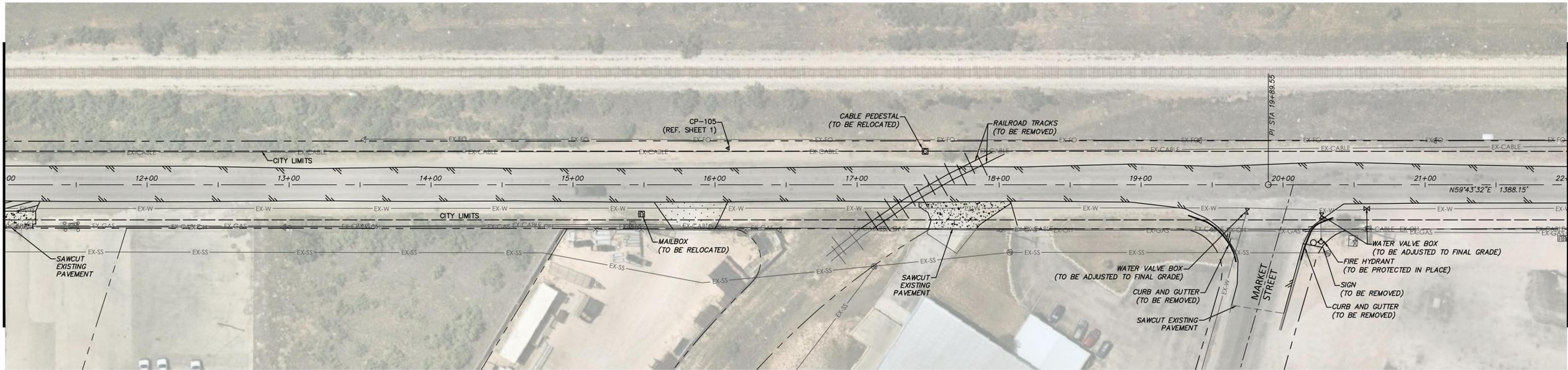
STATE PLANE COORDINATE NOTE:

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

INDUSTRIAL AVENUE



MATCH LINE STA 11+00



MATCH LINE STA 22+00



NOTE: ALL FRANCHISE UTILITIES TO BE RELOCATED BY OWNER OR UNDER THEIR DIRECTION.



1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021
NO.	REVISION	BY	DATE

MMC	DESIGNED
RVG	DRAWN
JLB	CHECKED

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JUNE 2021

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	B006225.001
INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	SHEET	24
OVERALL ROADWAY STATIONING STA 0+00 TO 22+00		

FULL PATH: G:\Production\40001006225\001\Drawings\Plan\Sheet\01\INDUSTRIAL ROADWAY STATIONING.dwg
 FILENAME: OVERALL ROADWAY STATIONING.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 8/26/2021



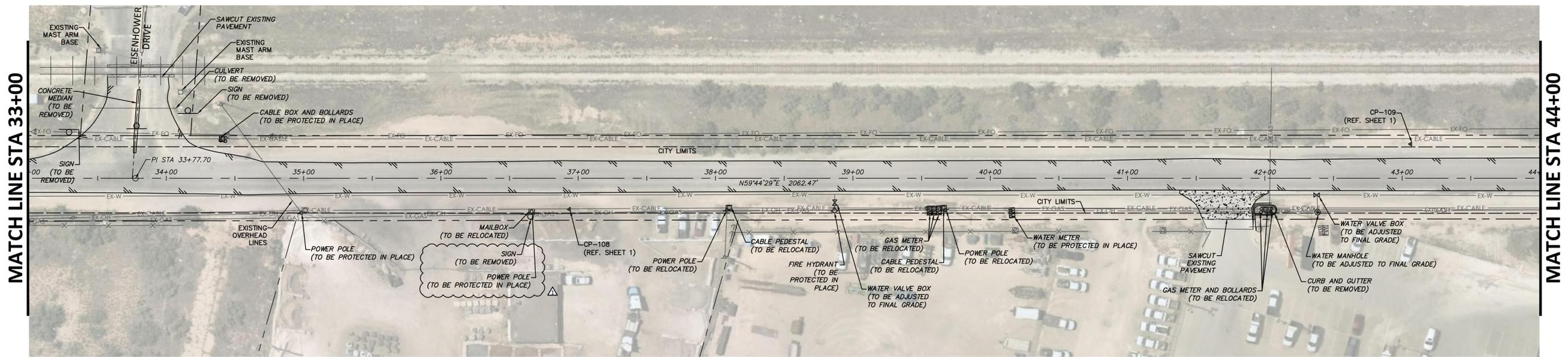
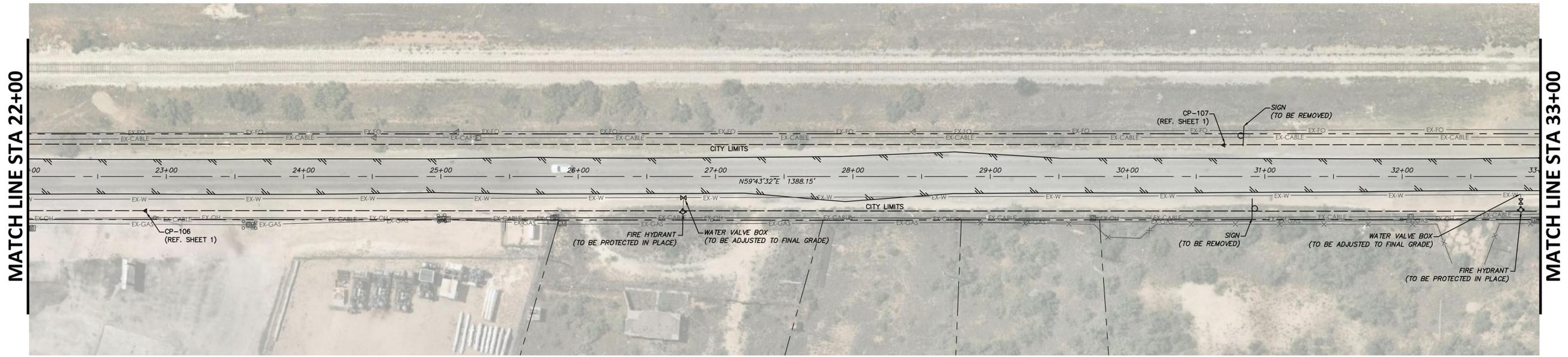
WARNING TO CONTRACTOR:
CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. DUNAWAY ASSOC., L.P. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

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.

INDUSTRIAL AVENUE



NOTE:
ALL FRANCHISE UTILITIES TO BE RELOCATED BY OWNER OR UNDER THEIR DIRECTION.



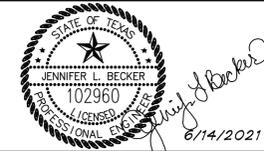
FULL PATH: G:\Production\40001006225001\Drawings\40001006225001\INDUSTRIAL RD\INDUSTRIAL AVENUE STA 22+00 TO 44+00.dwg
 FILENAME: OVERALL DUNAWAY STATIONING.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 8/26/2021

1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021
NO.	REVISION	BY	DATE

MMC	DESIGNED
RVG	DRAWN
JLB	CHECKED

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JUNE 2021

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	B006225.001
INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	SHEET	25
OVERALL ROADWAY STATIONING STA 22+00 TO 44+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:

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.

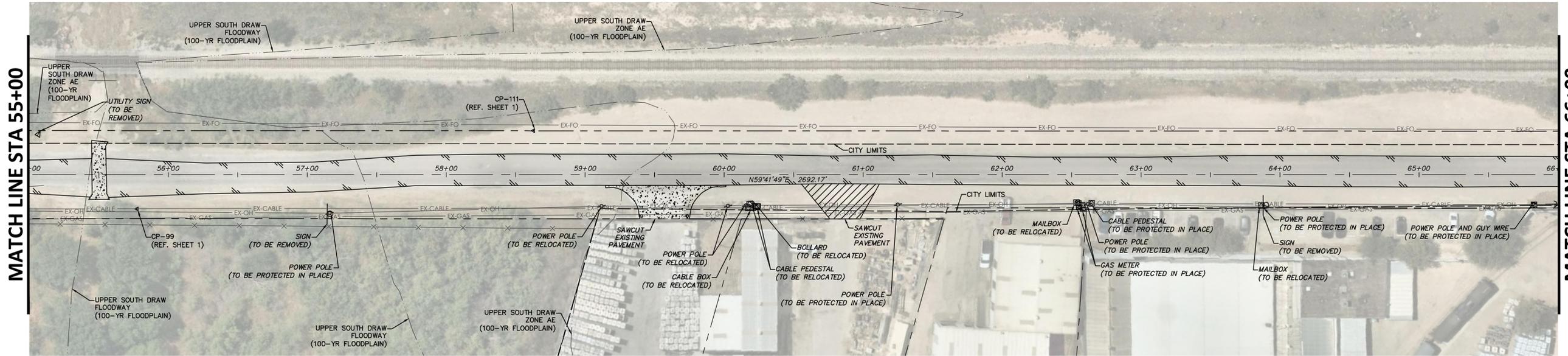
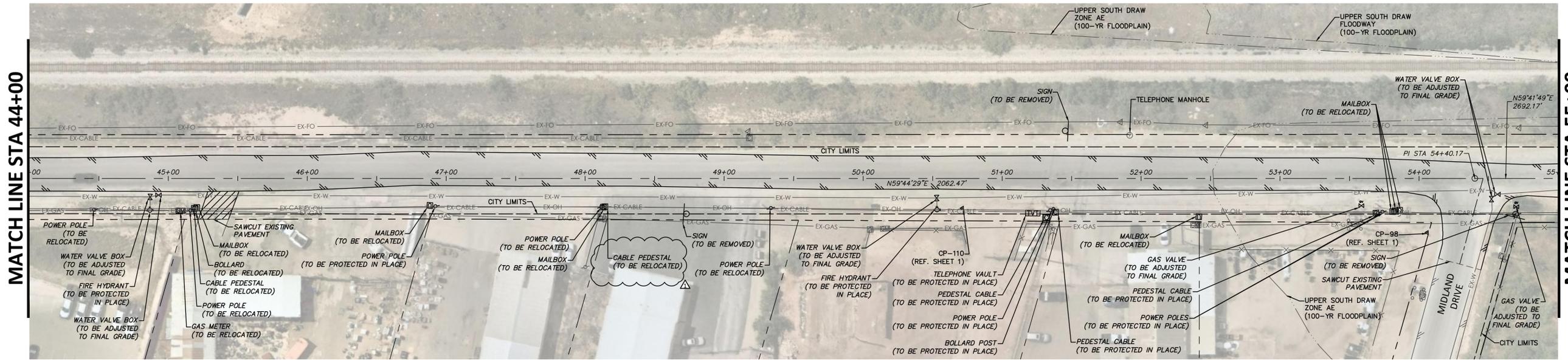
UTILITY RELOCATION NOTE:

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.

INDUSTRIAL AVENUE



NOTE: ALL FRANCHISE UTILITIES TO BE RELOCATED BY OWNER OR UNDER THEIR DIRECTION.



FILE PATH: G:\Production\40001006225\001\CAD\Drawings\Plan\Sheet\01\INDUSTRIAL RD\INDUSTRIAL AVENUE STA 44+00.DWG
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 6/14/2021 10:25:28 AM

NO.	REVISION	BY	DATE	CHECKED
1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021	

MMC	DESIGNED	RVG	DRAWN	JLB	CHECKED
-----	----------	-----	-------	-----	---------

SCALE	HORIZ	1" = 40'	VERT	N/A	DATE	JUNE 2021
-------	-------	----------	------	-----	------	-----------

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

STATE OF TEXAS
 JENNIFER L. BECKER
 102960
 LICENSED PROFESSIONAL ENGINEER
 6/14/2021

MIDLAND COUNTY PRECINCT 2	DA PROJECT	B006225.001
INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	SHEET	26
OVERALL ROADWAY STATIONING STA 44+00 TO 66+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:

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.

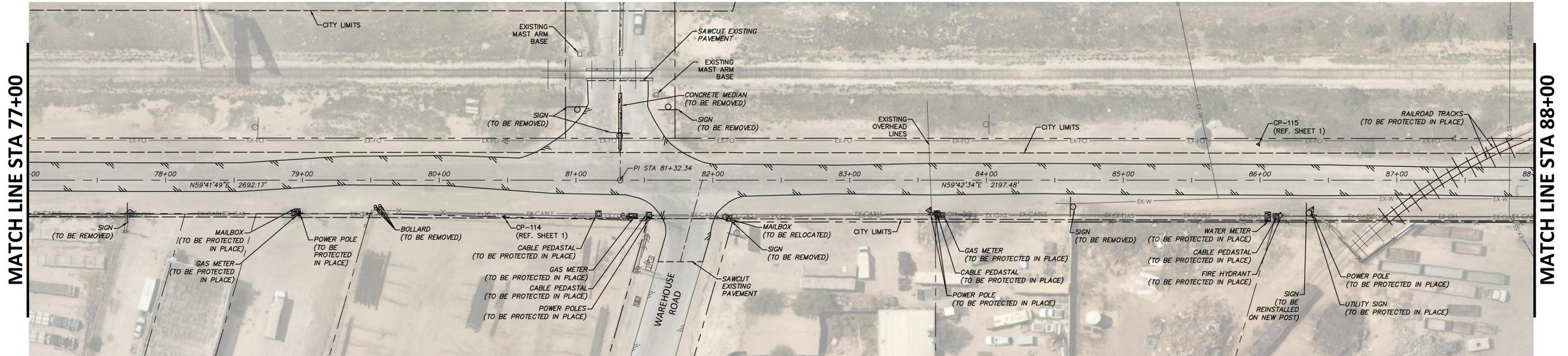
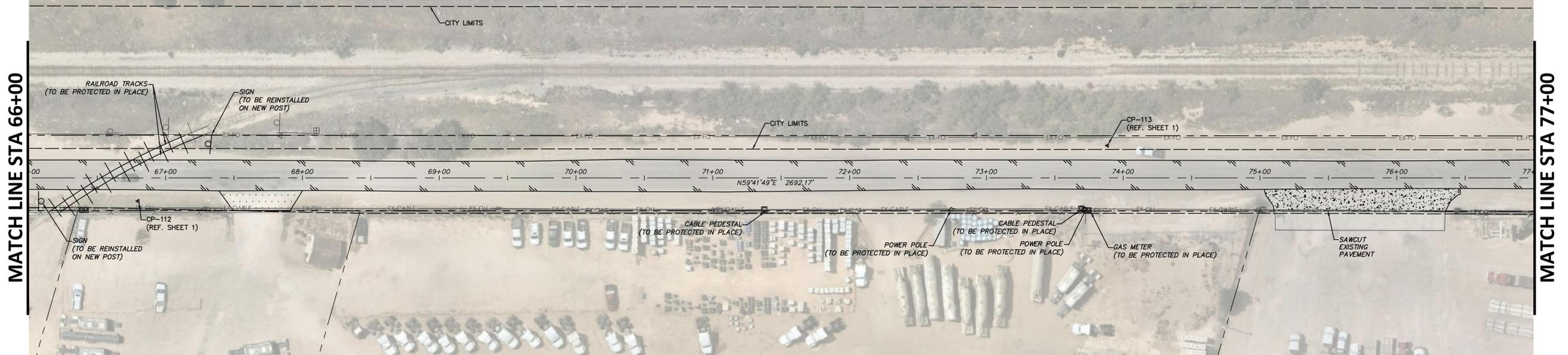
UTILITY RELOCATION NOTE:

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.

INDUSTRIAL AVENUE



NOTE: ALL FRANCHISE UTILITIES TO BE RELOCATED BY OWNER OR UNDER THEIR DIRECTION.



NO.	REVISION	BY	DATE
1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021

MMC	DESIGNED	RVG	DRAWN	JLB	CHECKED
-----	----------	-----	-------	-----	---------

SCALE	HORIZ	1" = 40'	VERT	N/A	DATE	JUNE 2021
-------	-------	----------	------	-----	------	-----------

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

STATE OF TEXAS
 JENNIFER L. BECKER
 102960
 LICENSED PROFESSIONAL ENGINEER
 8/14/2021

MIDLAND COUNTY PRECINCT 2
 INDUSTRIAL AVENUE
 MIDLAND COUNTY, TEXAS
 OVERALL ROADWAY STATIONING
 STA 66+00 TO 88+00

DA PROJECT	B006225.001
SHEET	27

FILE PATH: G:\Production\6001006225\001\Drawings\Plan\Sheet\01\INDUSTRIAL\INDUSTRIAL.DWG
 PLOTTED BY: Alissa Adams
 PLOTTED DATE: 8/27/2021 10:52 AM



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.

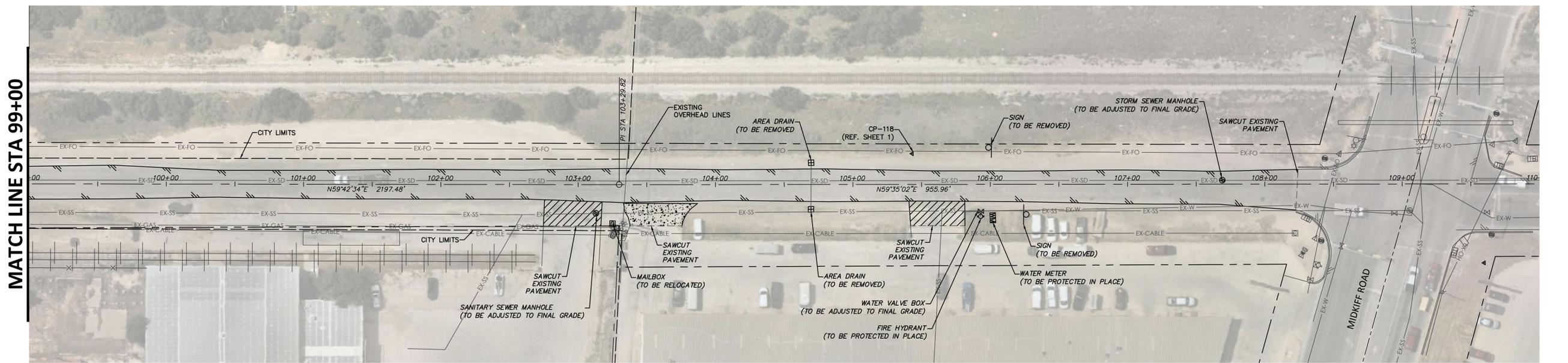
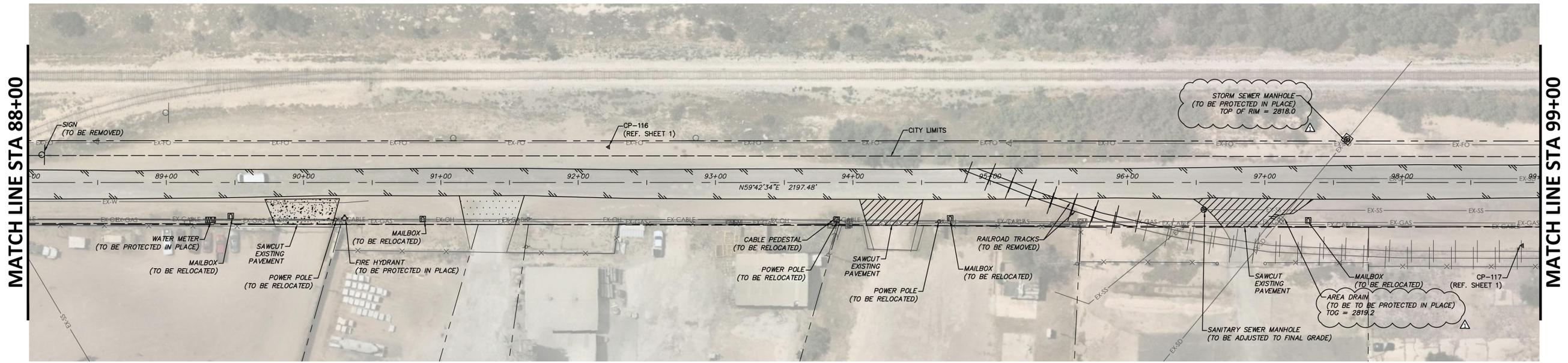
UTILITY RELOCATION NOTE:

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.

INDUSTRIAL AVENUE



NOTE: ALL FRANCHISE UTILITIES TO BE RELOCATED BY OWNER OR UNDER THEIR DIRECTION.



FILE PATH: G:\Production\4000\006225\001\Drawings\Plan\Sheet\01\INDUSTRIAL RD\INDUSTRIAL STA 110.DWG
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 8/25/21 10:52 AM

NO.	REVISION	BY	DATE
1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021

MMC	DESIGNED	RVG	DRAWN	JLB	CHECKED
-----	----------	-----	-------	-----	---------

SCALE	HORIZ	VERT	DATE
1" = 40'	N/A	N/A	JUNE 2021


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
INDUSTRIAL AVENUE	B006225.001
MIDLAND COUNTY, TEXAS	SHEET
OVERALL ROADWAY STATIONING	28
STA 88+00 TO END	



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:

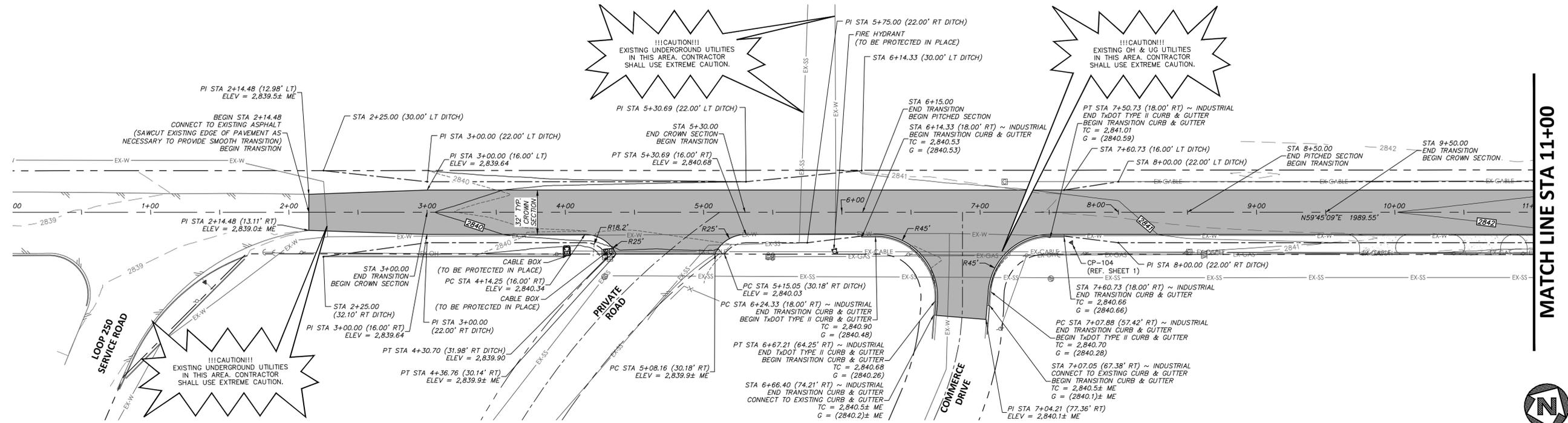
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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.

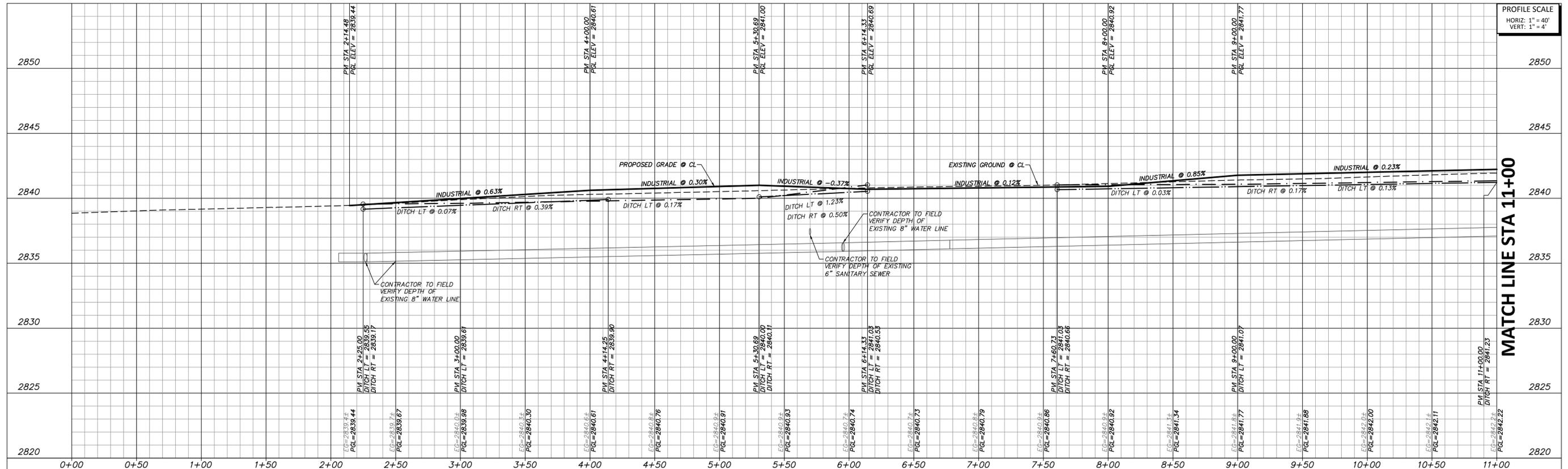


INDUSTRIAL AVENUE



MATCH LINE STA 11+00

MATCH LINE STA 11+00



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

FILE PATH: G:\Production\6000\606206\025\001\CAD\Drawings\Plan sheets\0600_P06.dwg

PLOTNAME: 0600_P06.dwg
PLOTTER: AMERIANDWG
PLOTDATE: 6/14/2021 10:52:37 AM

NO.		REVISION		BY		DATE		CHECKED		MMC DESIGNED RVG DRAWN JLB JLB		SCALE HORIZ 1" = 40' VERT 1" = 4' DATE JUNE 2021		4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705 Tel: 432.699.4889 [TX REG. F-1114]		6/14/2021		MIDLAND COUNTY PRECINCT 2 INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS PLAN AND PROFILE STA 0+00 TO 11+00		DA PROJECT B006225.001 SHEET 29	
-----	--	----------	--	----	--	------	--	---------	--	---	--	---	--	---	--	-----------	--	--	--	--	--

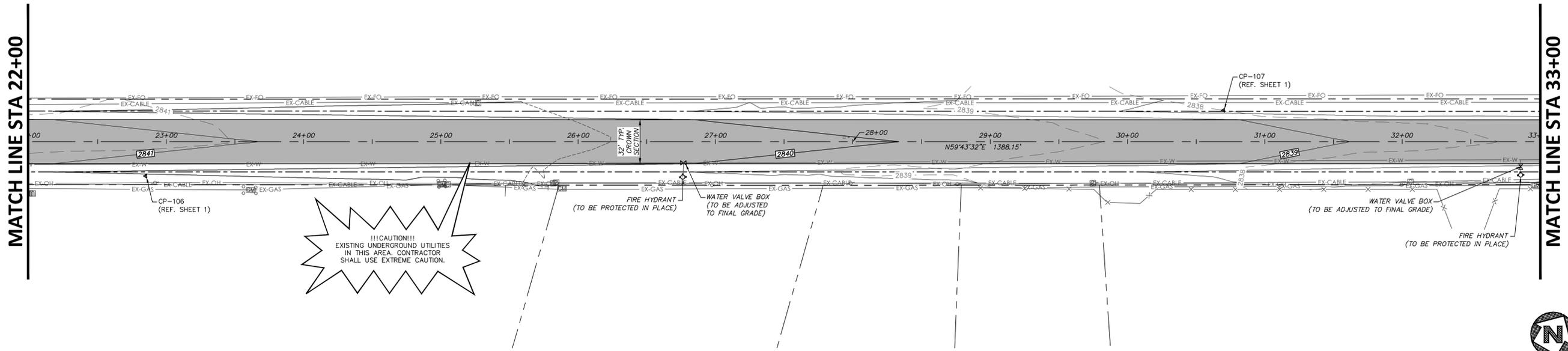


WARNING TO CONTRACTOR:
CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. DUNAWAY ASSOC., L.P. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

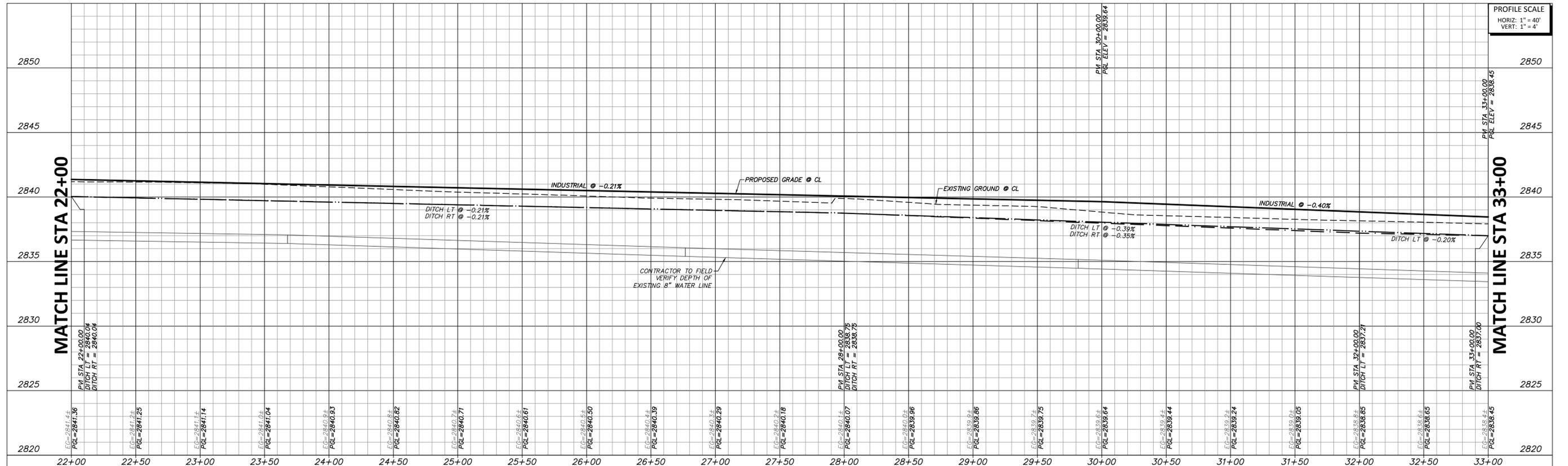
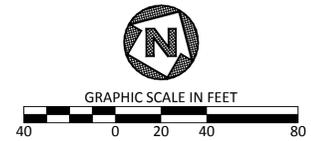
CRITICAL:
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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.



INDUSTRIAL AVENUE



FULL PATH: G:\Production\4000\06062021\001\CAD\Drawings\Plan\Sheet\06062021\06062021.dwg
 FILENAME: 06062021.dwg
 PLOTTED BY: Amorin Padilla
 PLOTTED DATE: 06/14/2021 10:59:27 AM

NO.	REVISION	BY	DATE	CHECKED

MMC
 DESIGNED
 RVG
 DRAWN
 JLB
 CHECKED

**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE
 HORIZ
 1" = 40'
 VERT
 1" = 4'
 DATE
 JUNE
 2021

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



MIDLAND COUNTY PRECINCT 2
 INDUSTRIAL AVENUE
 MIDLAND COUNTY, TEXAS
**PLAN AND PROFILE
 STA 22+00 TO 33+00**

DA PROJECT
 B006225.001
 SHEET
31



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:

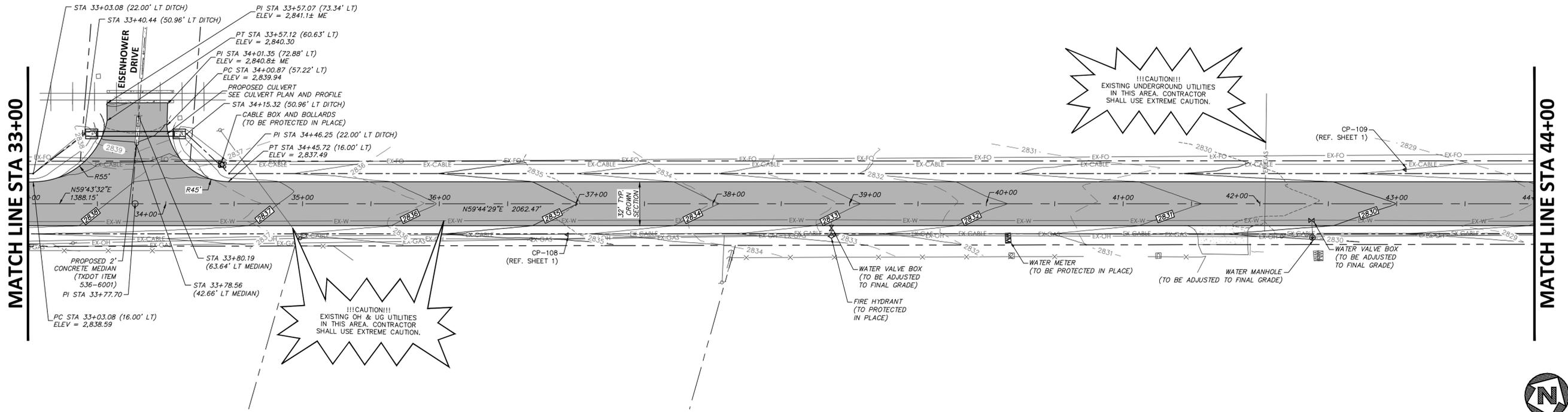
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

UTILITY RELOCATION NOTE:

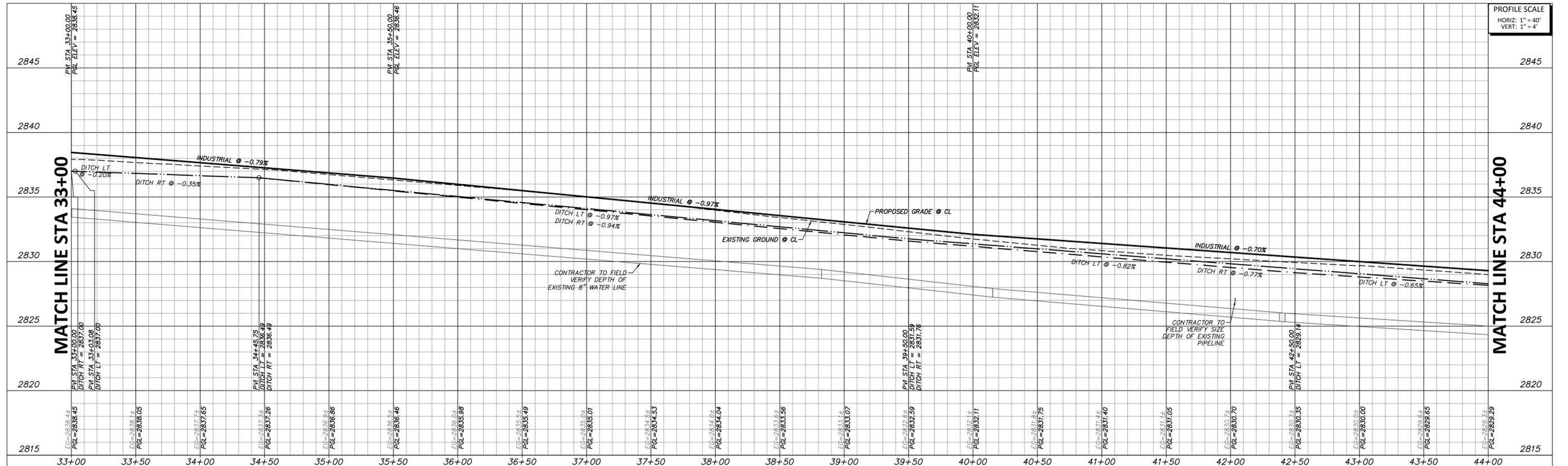
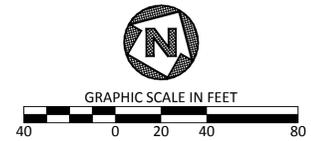
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

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.



INDUSTRIAL AVENUE



FILE NAME: M06225.P06.dwg
 PLOTTED BY: Allison Andrews
 PLOTTED DATE: 10/25/2021 10:58 AM

<table border="1"> <tr><td>NO.</td><td>REVISION</td><td>BY</td><td>DATE</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>				NO.	REVISION	BY	DATE					<table border="1"> <tr><td>MMC</td><td>DESIGNED</td></tr> <tr><td> </td><td> </td></tr> <tr><td>RVG</td><td>DRAWN</td></tr> <tr><td> </td><td> </td></tr> <tr><td>JLB</td><td>CHECKED</td></tr> <tr><td> </td><td> </td></tr> </table>		MMC	DESIGNED			RVG	DRAWN			JLB	CHECKED			<p>MIDLAND COUNTY MIDLAND, TEXAS</p>		<table border="1"> <tr><td>SCALE</td><td>HORIZ</td></tr> <tr><td> </td><td>1" = 40'</td></tr> <tr><td> </td><td>VERT</td></tr> <tr><td> </td><td>1" = 4'</td></tr> <tr><td> </td><td>DATE</td></tr> <tr><td> </td><td>JUNE</td></tr> <tr><td> </td><td>2021</td></tr> </table>		SCALE	HORIZ		1" = 40'		VERT		1" = 4'		DATE		JUNE		2021	<p>DUNAWAY 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705 Tel: 432.699.4889 TX REG. F-1114</p>		<p>MIDLAND COUNTY PRECINCT 2 INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS</p>		<p>DA PROJECT B006225.001</p>	
NO.	REVISION	BY	DATE																																														
MMC	DESIGNED																																																
RVG	DRAWN																																																
JLB	CHECKED																																																
SCALE	HORIZ																																																
	1" = 40'																																																
	VERT																																																
	1" = 4'																																																
	DATE																																																
	JUNE																																																
	2021																																																
<p>PLAN AND PROFILE STA 33+00 TO 44+00</p>						<p>SHEET 32</p>																																											



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:

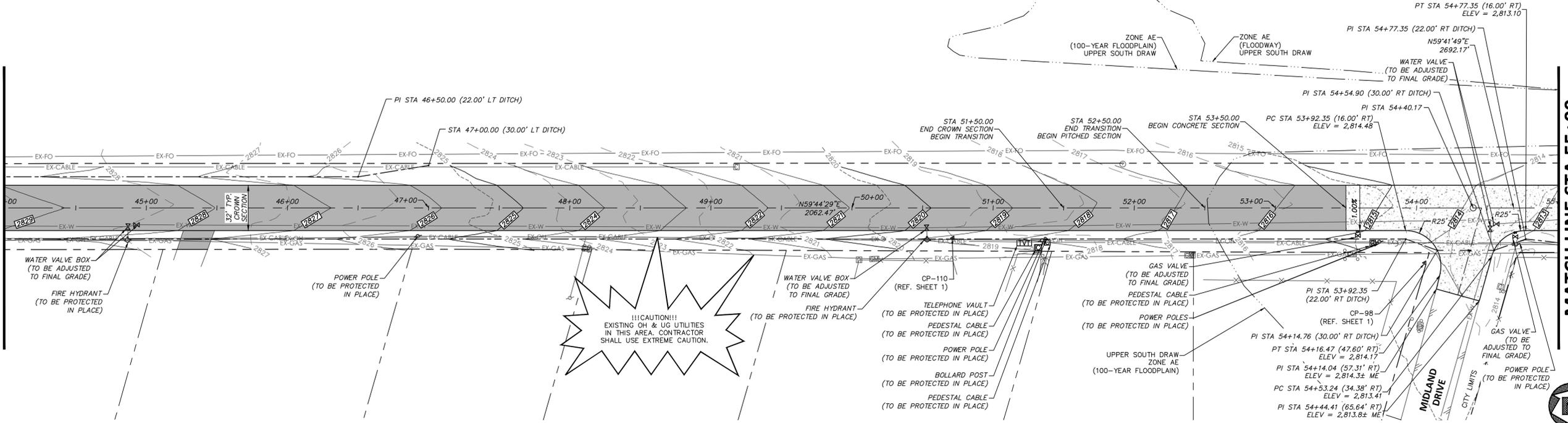
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

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.

MATCH LINE STA 44+00

MATCH LINE STA 55+00

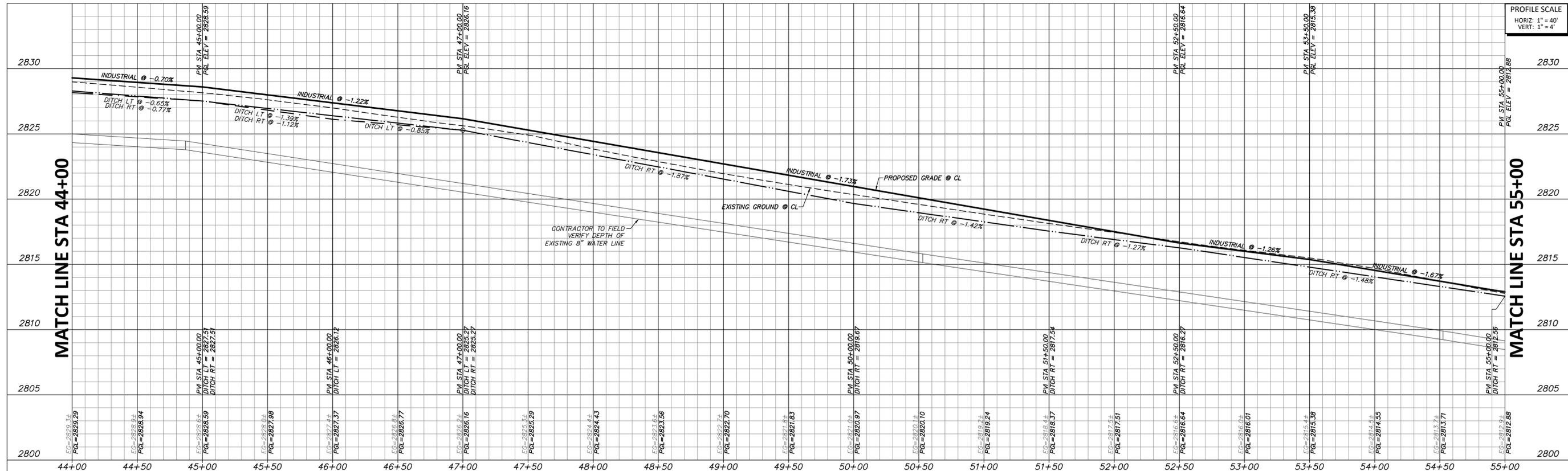


INDUSTRIAL AVENUE



MATCH LINE STA 44+00

MATCH LINE STA 55+00



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

FILE PATH: G:\Production\4000\06062021\001\CAD\Drawings\Plan Sheets\0400_Plan.dwg

PLANNED BY: AMOR ADAMS
DESIGNED BY: AMOR ADAMS
DRAWN BY: AMOR ADAMS
CHECKED BY: AMOR ADAMS
DATE: 6/14/2021

NO.	REVISION	BY	DATE	CHECKED

MMC
DESIGNED
RVG
DRAWN
JLB
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1" = 40'
	VERT 1" = 4'
DATE	JUNE 2021

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



MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS

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

DA PROJECT
B006225.001

SHEET
33



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:

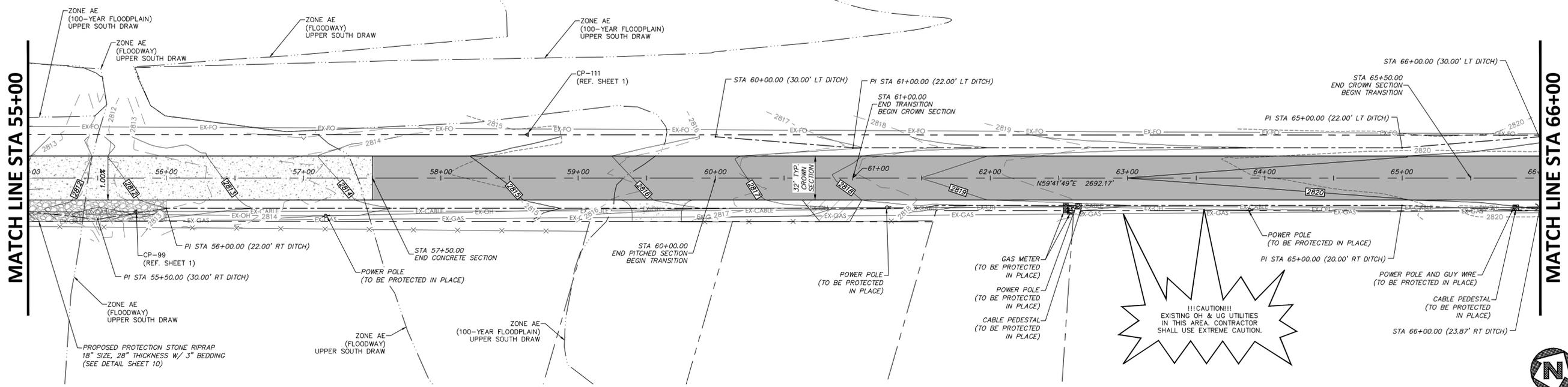
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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).

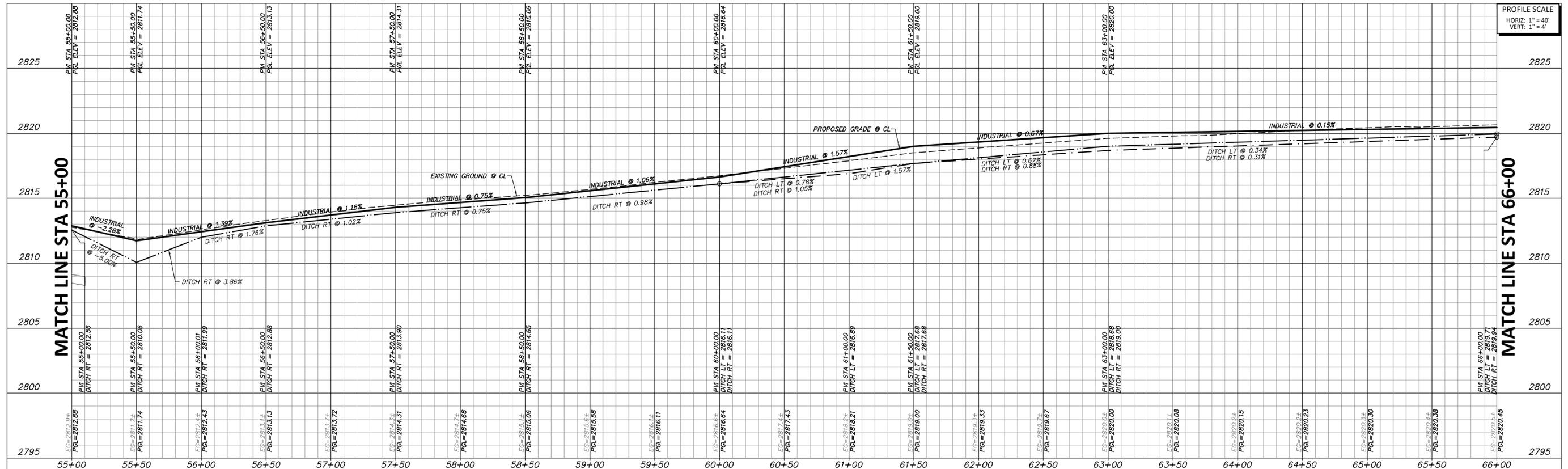
STATE PLANE COORDINATE NOTE:

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



INDUSTRIAL AVENUE

!!!CAUTION!!!
EXISTING OH & UG UTILITIES
IN THIS AREA. CONTRACTOR
SHALL USE EXTREME CAUTION.



FILE PATH: G:\Production\4000\06062021\001\CAD\Drawings\Plan Sheets\06062021\06062021.dwg

FILENAME: 06062021.dwg
PLOTTER: AMERIANGRAPHICS
PLOT DATE: 06/06/2021 10:03:28 AM

NO.		REVISION		BY		DATE		CHECKED		MMC DESIGNED RVG DRAWN JLB JUNE 2021		SCALE HORIZ 1" = 40' VERT 1" = 4' DATE JUNE 2021		 4000 N. Big Spring Street • Suite 101 • Midland, Texas 79705 Tel: 432.699.4889 [TX REG. F-1114]				MIDLAND COUNTY PRECINCT 2 INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS PLAN AND PROFILE STA 55+00 TO 66+00		DA PROJECT B006225.001 SHEET 34	
-----	--	----------	--	----	--	------	--	---------	--	---	--	--	--	---	--	--	--	---	--	---	--



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:

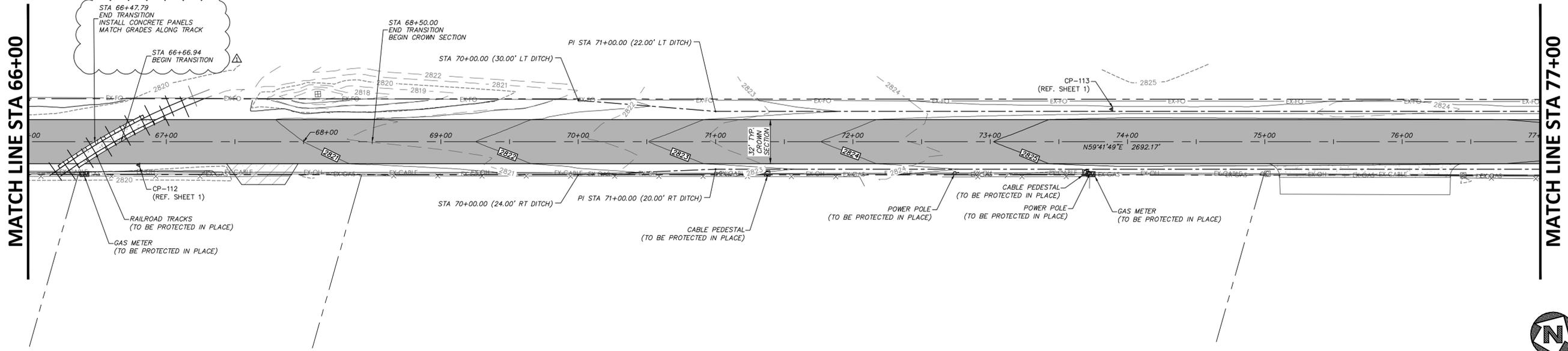
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

UTILITY RELOCATION NOTE:

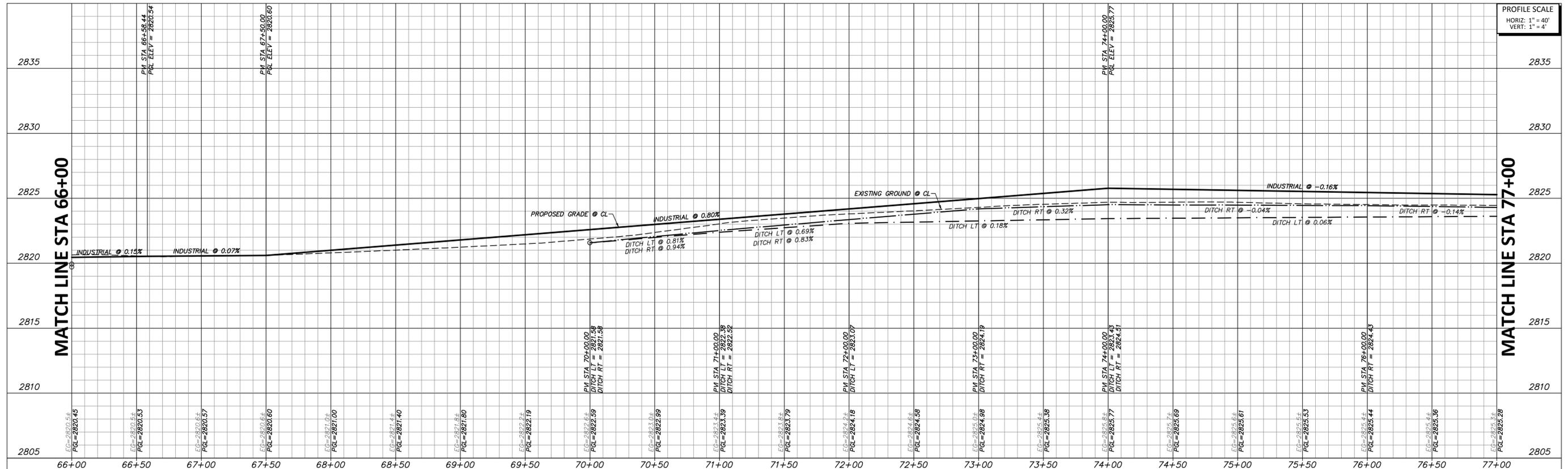
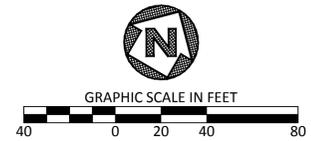
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

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.



INDUSTRIAL AVENUE



FULL PATH: G:\Production\4000\060620\025\001\Civil\Drawings\Plan\Sheet\060620.Plot.dwg

FILENAME: 060620.Plot.dwg
PLOTTER: AMERIANDWG
PLOTTIME: 10:03:38 AM
PLOTDATE: 06/26/2021

1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021	MMC
				DESIGNED
				RVG
				DRAWN
				JLB
				CHECKED
NO.	REVISION	BY	DATE	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1" = 40'
	VERT 1" = 4'
DATE	JUNE 2021

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 B006225.001
INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	SHEET
PLAN AND PROFILE STA 66+00 TO 77+00	35

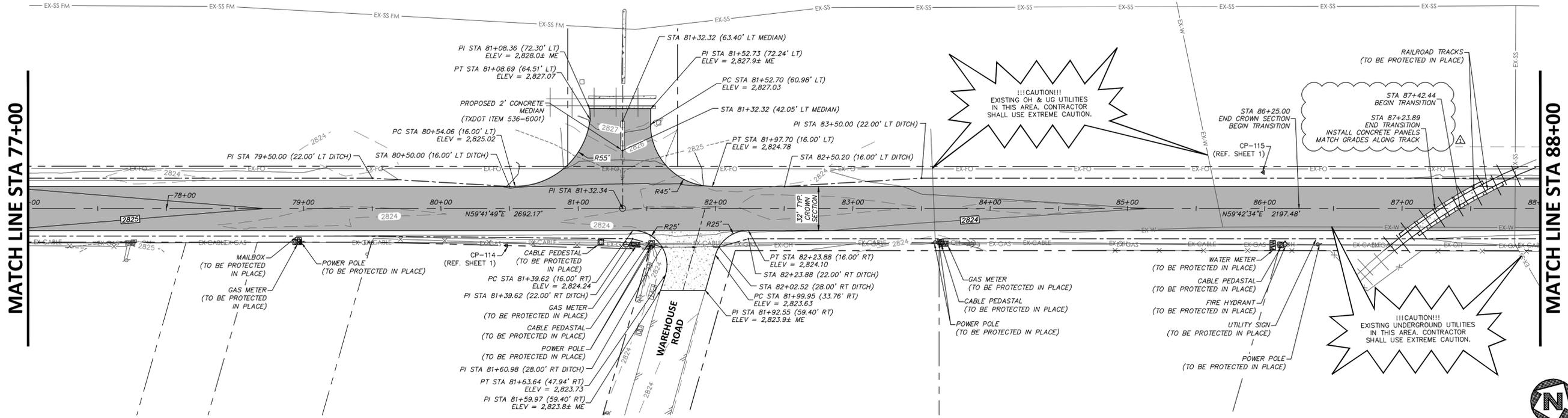


WARNING TO CONTRACTOR:
CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. DUNAWAY ASSOC., L.P. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

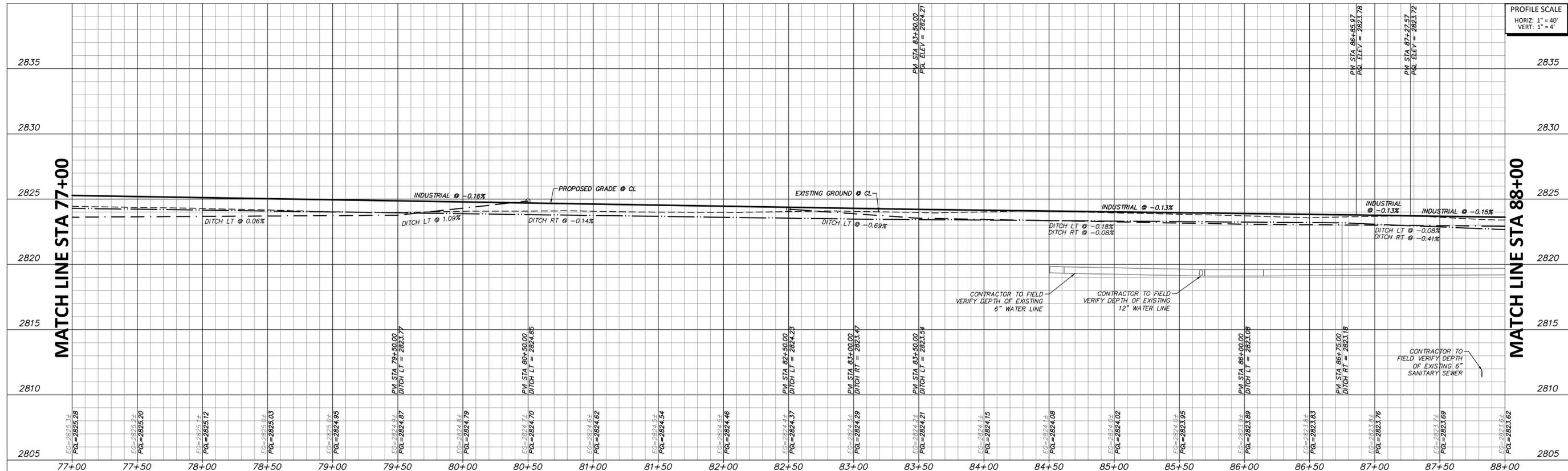
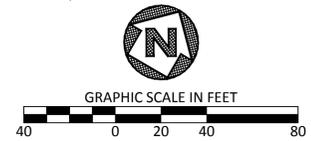
CRITICAL:
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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.



INDUSTRIAL AVENUE



FULL PATH: G:\Production\4000\06062021\001\001\Drawings\Plan sheets\06062021_Plan.dwg
 PLOTTER: HPGL PLOTTER
 PLOTTED BY: Amir Adnan
 PLOTTED AT: 10:00 AM

1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021	MMC
				DESIGNED
				RVG
				DRAWN
				JLB
				CHECKED
NO.	REVISION	BY	DATE	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE
HORIZ
1" = 40'
VERT
1" = 4'
DATE
JUNE
2021

DUNAWAY

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



MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS

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

DA PROJECT
B006225.001

SHEET
36



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.

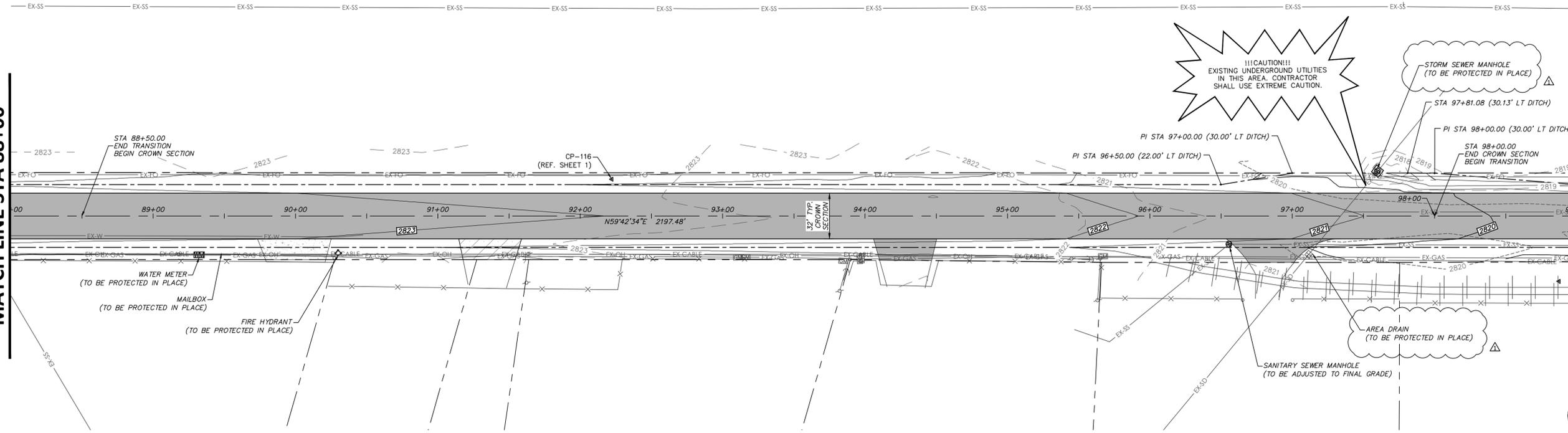
CRITICAL:
 LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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).

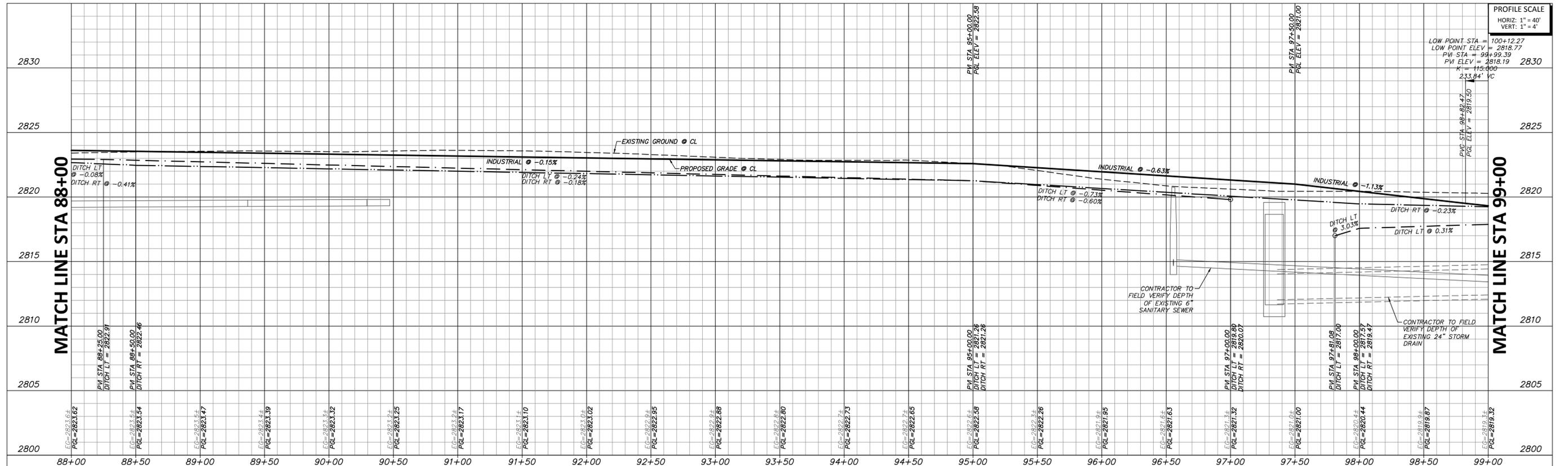
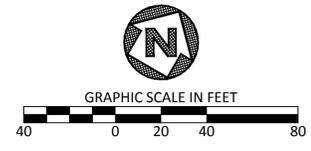
STATE PLANE COORDINATE NOTE:
 COORDINATES PROVIDED ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM (NAD83), CENTRAL ZONE 4203; ALL COORDINATES, BEARINGS, AND DISTANCES ARE NAD83 GRID VALUES.

MATCH LINE STA 88+00

MATCH LINE STA 99+00



INDUSTRIAL AVENUE



FILE PATH: G:\Production\4000\06062021\001\Civil\Drawings\Plan sheets\INDAV.Plot.dwg
 PLOT NAME: INDAV.Plot.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 6/14/2021

NO.	REVISION	BY	DATE	CHECKED
1	RESPONSE TO BID QUESTIONS	AJA	8/26/2021	MMC
				DESIGNED
				RVG
				DRAWN
				JLB
				DATE
				SCALE

**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE
 HORIZ
 1" = 40'
 VERT
 1" = 4'
 DATE
 JUNE
 2021

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



MIDLAND COUNTY PRECINCT 2
 INDUSTRIAL AVENUE
 MIDLAND COUNTY, TEXAS
**PLAN AND PROFILE
 STA 88+00 TO 99+00**

DA PROJECT
 B006225.001
 SHEET
37



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:

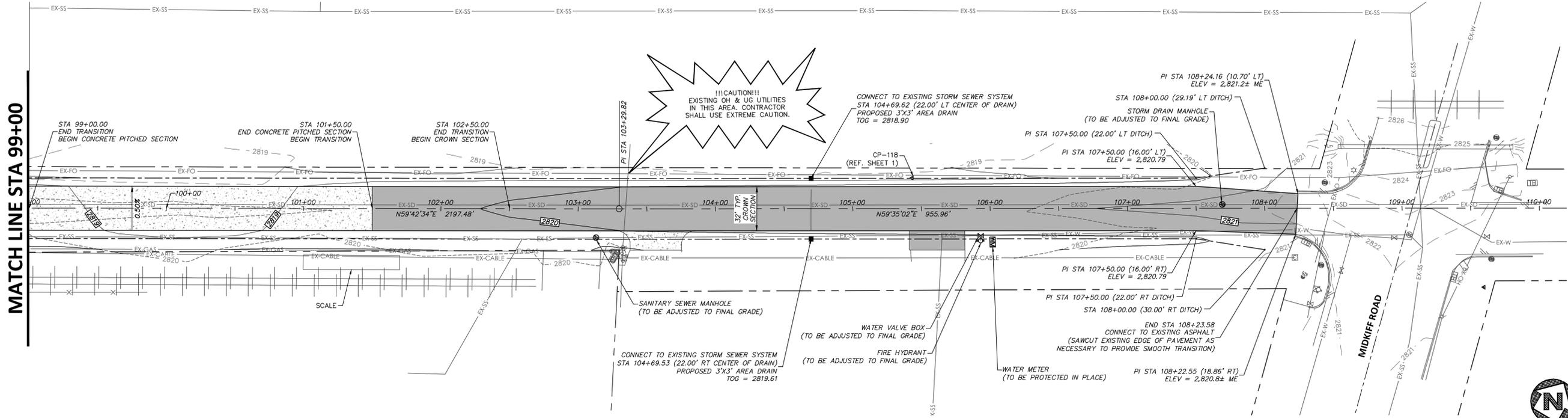
LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

UTILITY RELOCATION NOTE:

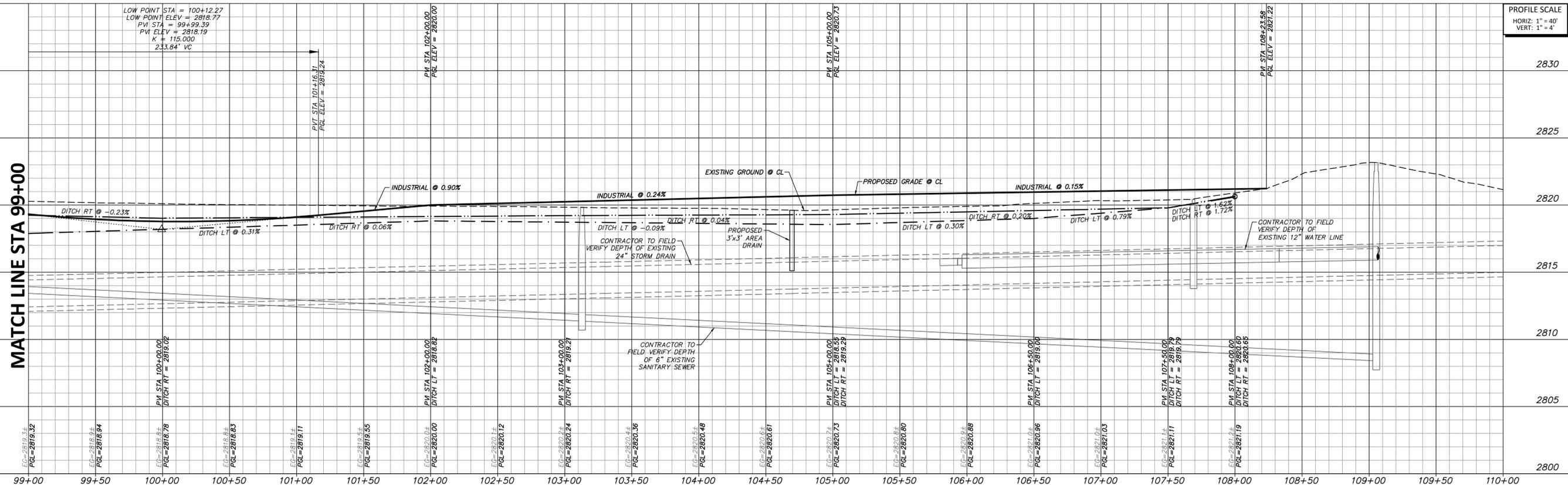
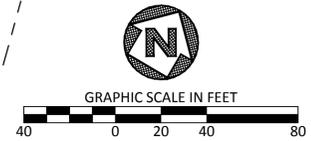
IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

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.



INDUSTRIAL AVENUE



FILE PATH: G:\Production\4000\06062021\001\CAD\Drawings\Plan sheets\06062021\06062021.dwg
 PLOT DATE: 06/06/2021 10:00 AM
 PLOTTED BY: Amir Adnan
 PLOTTED AT: 10:00 AM

NO.	REVISION	BY	DATE	CHECKED

MMC
DESIGNED
RVG
DRAWN
JLB
CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ 1" = 40'
	VERT 1" = 4'
DATE	JUNE 2021

DUNAWAY

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

STATE OF TEXAS
JENNIFER L. BECKER
102960
LICENSED PROFESSIONAL ENGINEER
6/14/2021

MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS

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

DA PROJECT	B006225.001
SHEET	38

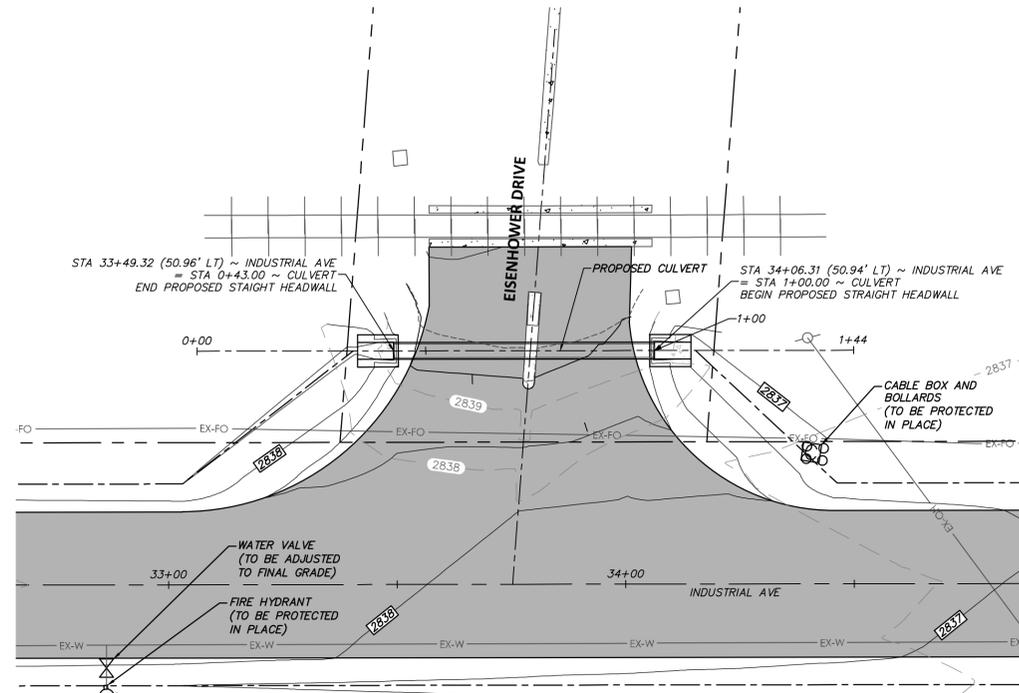


WARNING TO CONTRACTOR:
 CALL 811 (TEXAS 811) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. DUNAWAY ASSOC., L.P. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

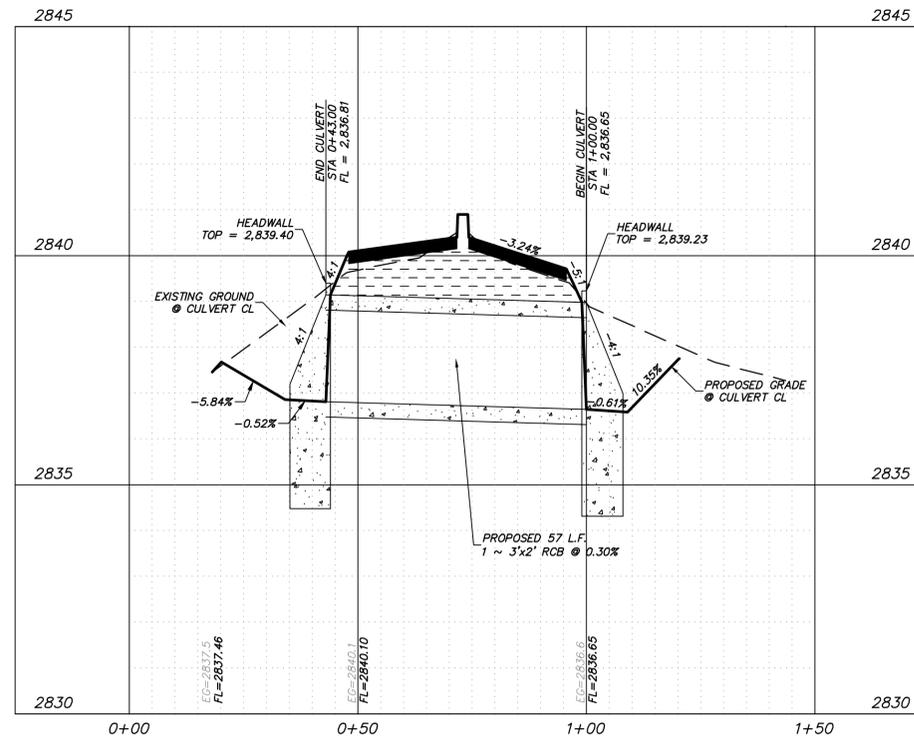
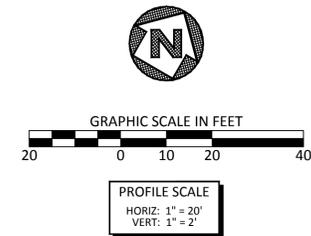
CRITICAL:
 LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

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.



STA 33+75 CULVERT



FULL PATH: G:\Production\4000\006225\025\001\Civil\Drawings\Plan Sheets\CULVERT STA 33+75.dwg
 FILENAME: CULVERT STA 33+75.dwg
 PLOTTED BY: Allison Anderson
 PLOTTED DATE: 6/14/2021

NO.	REVISION	BY	DATE	CHECKED

MMC	DESIGNED	RVG	DRAWN	JLB	CHECKED
-----	----------	-----	-------	-----	---------

**MIDLAND COUNTY
 MIDLAND, TEXAS**

SCALE	HORIZ. 1" = 20'	VERT. 1" = 2'
DATE	JUNE 2021	

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 B006225.001
INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS	SHEET
CULVERT PLAN AND PROFILE STA 33+75	39



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.

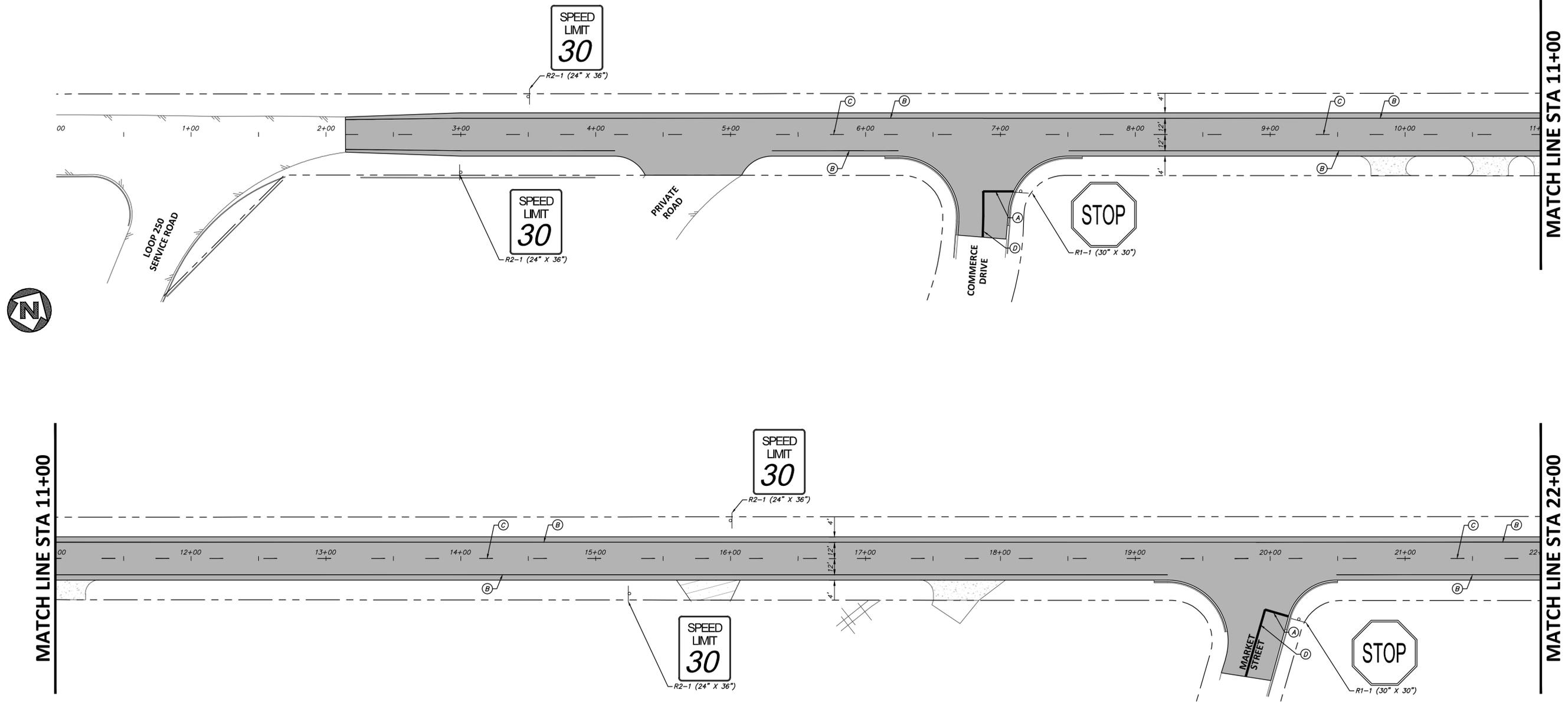
UTILITY RELOCATION NOTE:

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.

INDUSTRIAL AVENUE



MATCH LINE STA 11+00

MATCH LINE STA 22+00

NOTES:

1. INSTALL PAVEMENT MARKINGS AND SIGNAGE PER TxDOT STANDARDS AND DETAILS AND TEXAS MUTCD.
2. STRIPING TO FOLLOW ALIGNMENT STATIONING OF ROADWAY.
3. ALL PAVEMENT MARKING DIMENSIONS MEASURED FROM CENTER OF STRIPING.
4. RETROREFLECTIVE SOLID YELLOW MARKINGS SHOULD BE PLACED ON THE NOSES OF RAISED MEDIANS AND CURBS OF ISLANDS THAT ARE LOCATED IN THE LINE OF TRAFFIC FLOW WHEN THE CURB SURVES TO CHANNEL TRAFFIC TO THE RIGHT OF THE OBSTRUCTION.

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 (W) 18" (YLD TRI)
- INSTALL ROADSIDE SIGN



FULL PATH: G:\Production\4000\006225\0251\001\Drawings\Plan\Signage & Pavement Markings.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 10/25/2021

NO.	REVISION	BY	DATE	CHECKED

MMC DESIGNED RVG DRAWN JLB CHECKED	MIDLAND COUNTY MIDLAND, TEXAS	SCALE HORIZ 1"=40' VERT N/A DATE JUNE 2021
---	--	---

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

MIDLAND COUNTY PRECINCT 2 INDUSTRIAL AVENUE MIDLAND COUNTY, TEXAS SIGNAGE AND PAVEMENT MARKINGS PLAN STA 0+00 TO 22+00	DA PROJECT B006225.001 SHEET 40
--	---



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).

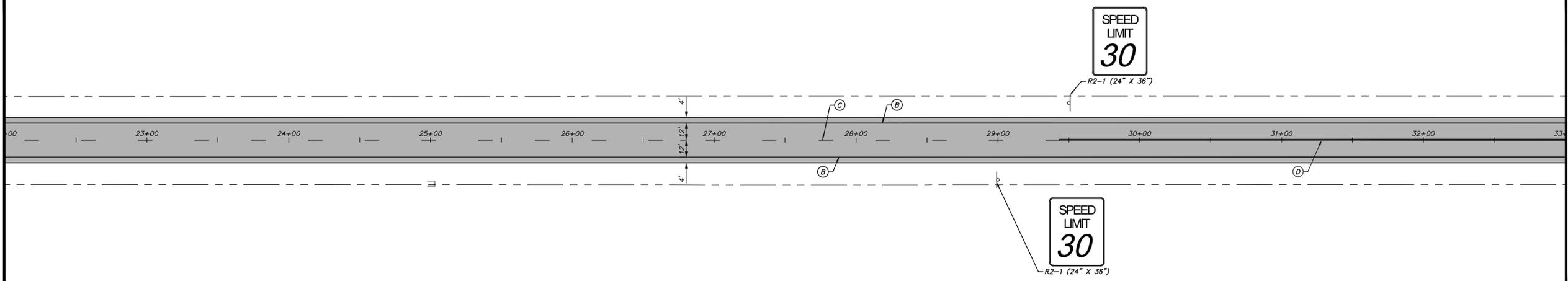
STATE PLANE COORDINATE NOTE:

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

INDUSTRIAL AVENUE

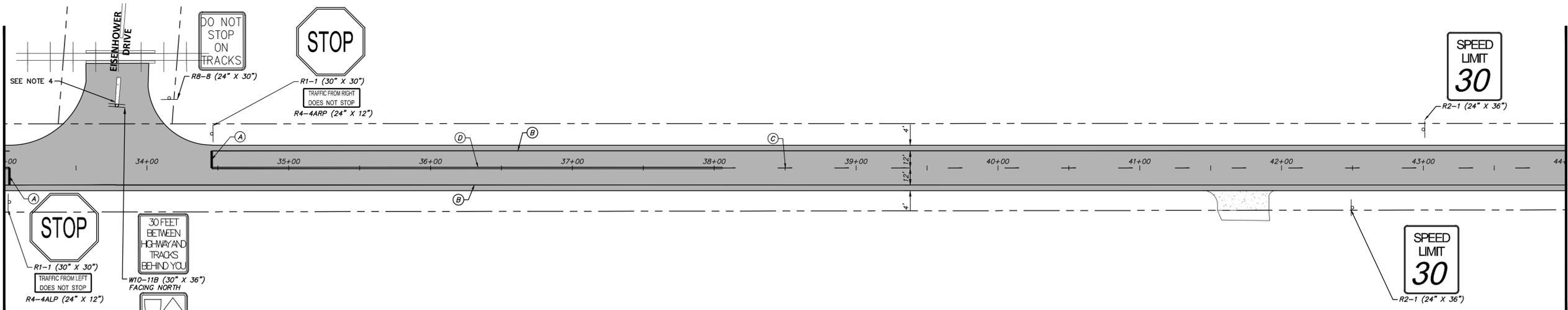
MATCH LINE STA 22+00

MATCH LINE STA 33+00



MATCH LINE STA 33+00

MATCH LINE STA 44+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.
- RETROREFLECTIVE SOLID YELLOW MARKINGS SHOULD BE PLACED ON THE NOSES OF RAISED MEDIANS AND CURBS OF ISLANDS THAT ARE LOCATED IN THE LINE OF TRAFFIC FLOW WHERE THE CURB CURVES TO CHANNEL TRAFFIC TO THE RIGHT OF THE OBSTRUCTION.

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 (W) 18" (YLD TRI)
- INSTALL ROADSIDE SIGN



NO.	REVISION	BY	DATE	CHECKED

MMC	DESIGNED	RVG
	DRAWN	JLB

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ	1" = 40'
	VERT	N/A
	DATE	JUNE 2021

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



MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS
**SIGNAGE AND PAVEMENT MARKINGS PLAN
STA 22+00 TO 44+00**

DA PROJECT
B006225.001
SHEET
41

FULL PATH: G:\Production\4000\006225\0251\001\Drawings\Plan\Signage & Pavement Markings.dwg
 PLOTTED BY: Allison Adams
 PLOTTED AT: 2/22/21 10:54 AM



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).

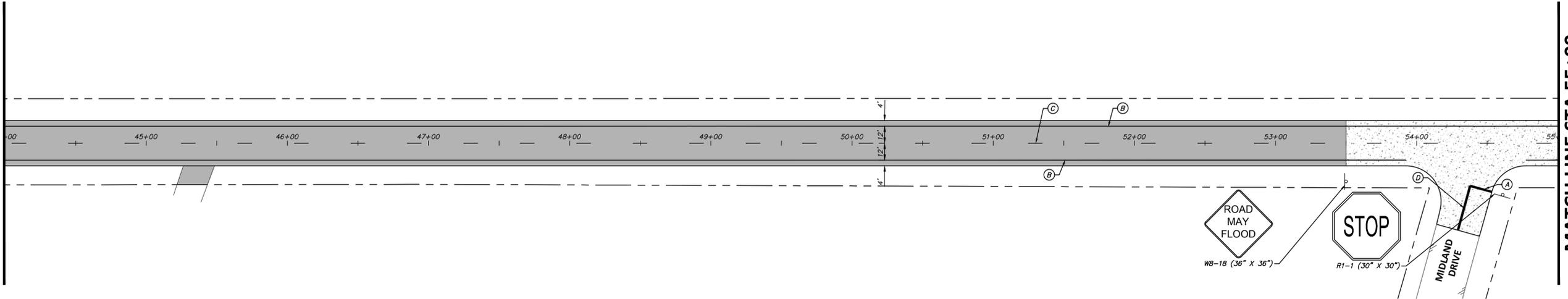
STATE PLANE COORDINATE NOTE:

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

INDUSTRIAL AVENUE

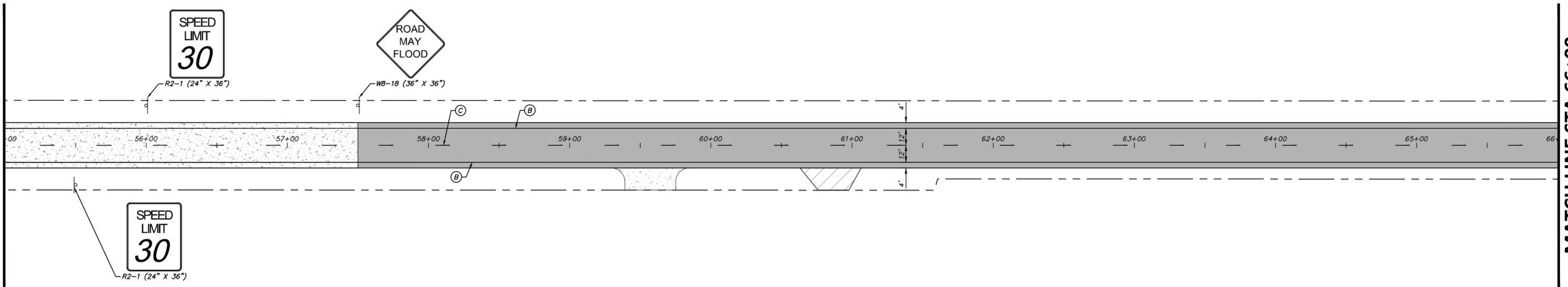
MATCH LINE STA 44+00

MATCH LINE STA 55+00



MATCH LINE STA 55+00

MATCH LINE STA 66+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.
- RETROREFLECTIVE SOLID YELLOW MARKINGS SHOULD BE PLACED ON THE NOSES OF RAISED MEDIANS AND CURBS OF ISLANDS THAT ARE LOCATED IN THE LINE OF TRAFFIC FLOW WHERE THE CURB SURVES TO CHANNEL TRAFFIC TO THE RIGHT OF THE OBSTRUCTION.

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 (W) 18" (YLD TRI)
- INSTALL ROADSIDE SIGN



FULL PATH: G:\Production\4000\006225\0251\001\Drawings\Plan\Signage & Pavement Markings.dwg
 FILENAME: SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Alton Alcala
 PLOTTED DATE: 6/14/2021 10:28:14 AM

NO.	REVISION	BY	DATE	CHECKED

MMC	DESIGNED	
RVG	DRAWN	
JLB	CHECKED	

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	
HORIZ	1" = 40'
VERT	N/A
DATE	JUNE 2021

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



MIDLAND COUNTY PRECINCT 2
 INDUSTRIAL AVENUE
 MIDLAND COUNTY, TEXAS
**SIGNAGE AND PAVEMENT MARKINGS PLAN
 STA 44+00 TO 66+00**

DA PROJECT
 B006225.001
 SHEET
42



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.

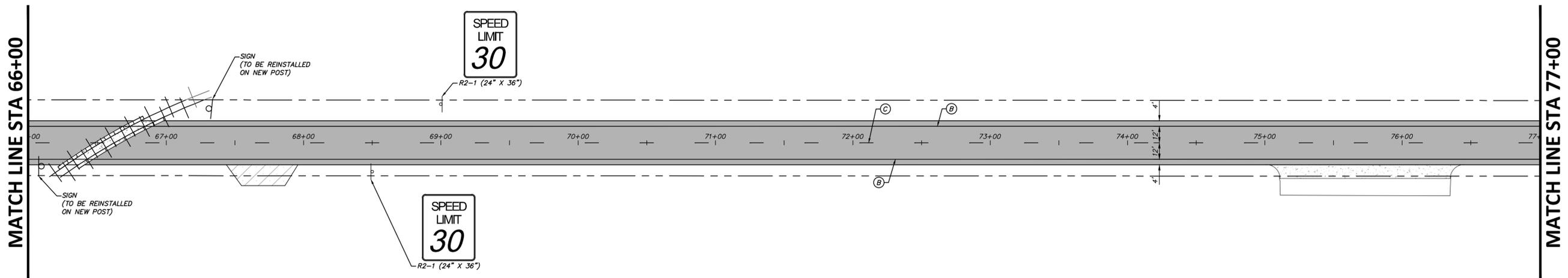
UTILITY RELOCATION NOTE:

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).

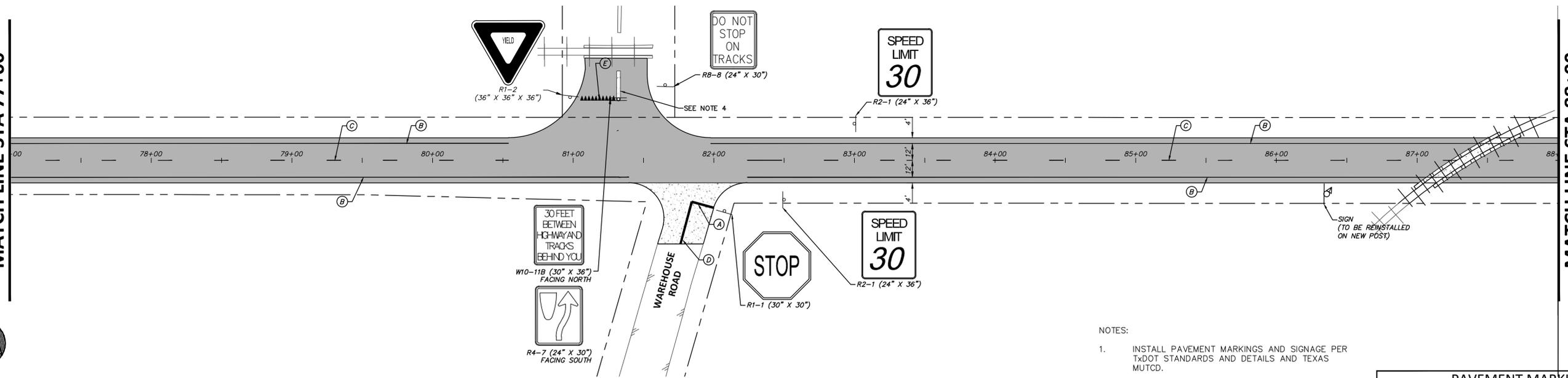
STATE PLANE COORDINATE NOTE:

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

INDUSTRIAL AVENUE



MATCH LINE STA 77+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.
- RETROREFLECTIVE SOLID YELLOW MARKINGS SHOULD BE PLACED ON THE NOSES OF RAISED MEDIANS AND CURBS OF ISLANDS THAT ARE LOCATED IN THE LINE OF TRAFFIC FLOW WHERE THE CURB SURVES TO CHANNEL TRAFFIC TO THE RIGHT OF THE OBSTRUCTION.

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 (W) 18" (YLD TRI)
+	INSTALL ROADSIDE SIGN



FULL PATH: G:\Production\4000\006225\0251\001\Drawings\plan sheets\SIGNAGE & PAVEMENT MARKINGS.dwg
 PLOTTED BY: Allison Adams
 PLOTTED DATE: 10/23/21 10:28 AM

NO.	REVISION	BY	DATE	CHECKED

MMC	DESIGNED	
RVG	DRAWN	
JLB	CHECKED	

SCALE	
HORIZ	1"=40'
VERT	N/A
DATE	JUNE 2021

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
INDUSTRIAL AVENUE	B006225.001
MIDLAND COUNTY, TEXAS	SHEET
SIGNAGE AND PAVEMENT MARKINGS PLAN	43
STA 66+00 TO 88+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:

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.

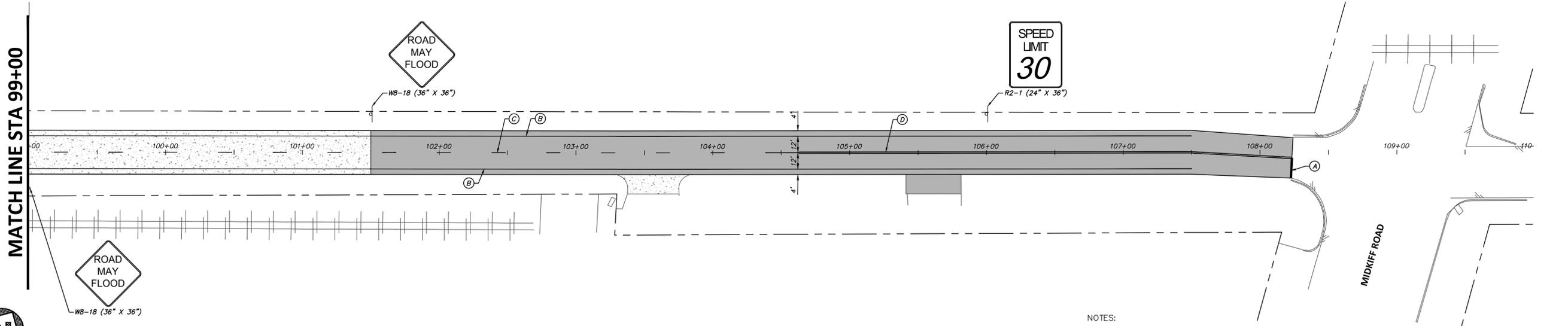
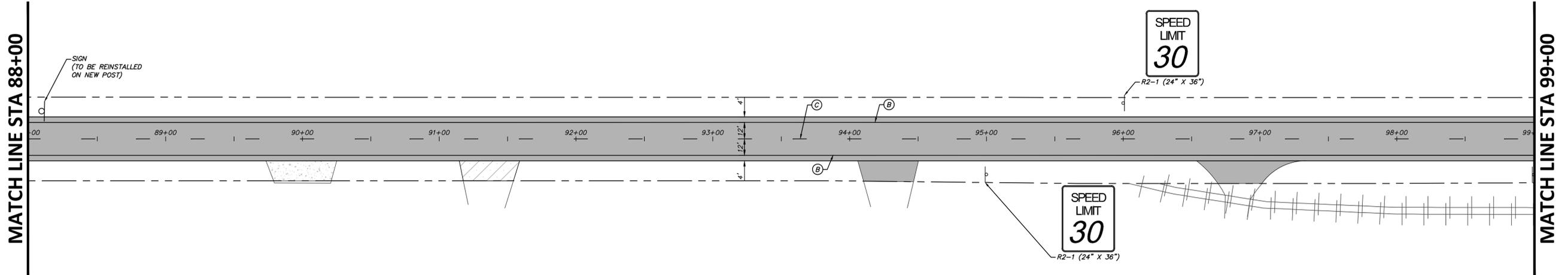
UTILITY RELOCATION NOTE:

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.

INDUSTRIAL AVENUE



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.
- RETROREFLECTIVE SOLID YELLOW MARKINGS SHOULD BE PLACED ON THE NOSES OF RAISED MEDIANS AND CURBS OF ISLANDS THAT ARE LOCATED IN THE LINE OF TRAFFIC FLOW WHEN THE CURB SURVES TO CHANNEL TRAFFIC TO THE RIGHT OF THE OBSTRUCTION.

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 (W) 18" (YLD TRI)
- INSTALL ROADSIDE SIGN



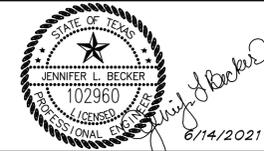
NO.	REVISION	BY	DATE	CHECKED

MMC	DESIGNED
RVG	DRAWN
JLB	CHECKED

**MIDLAND COUNTY
MIDLAND, TEXAS**

SCALE	HORIZ
1"=40'	VERT
N/A	DATE
JUNE	2021

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



MIDLAND COUNTY PRECINCT 2
INDUSTRIAL AVENUE
MIDLAND COUNTY, TEXAS
**SIGNAGE AND PAVEMENT MARKINGS PLAN
STA 88+00 TO END**

DA PROJECT
B006225.001
SHEET
44

FULL PATH: G:\Production\2001\006225\0251\001\Drawings\Plan\Signage & Pavement Markings.dwg
 PLOTTED BY: Allison Adams
 PLOTTED AT: 10:28 AM