

JEFFERSON COUNTY DRAINAGE DISTRICT NO.6

PLANS FOR  
BASIN & Ditch 202-E1E AT UPRR



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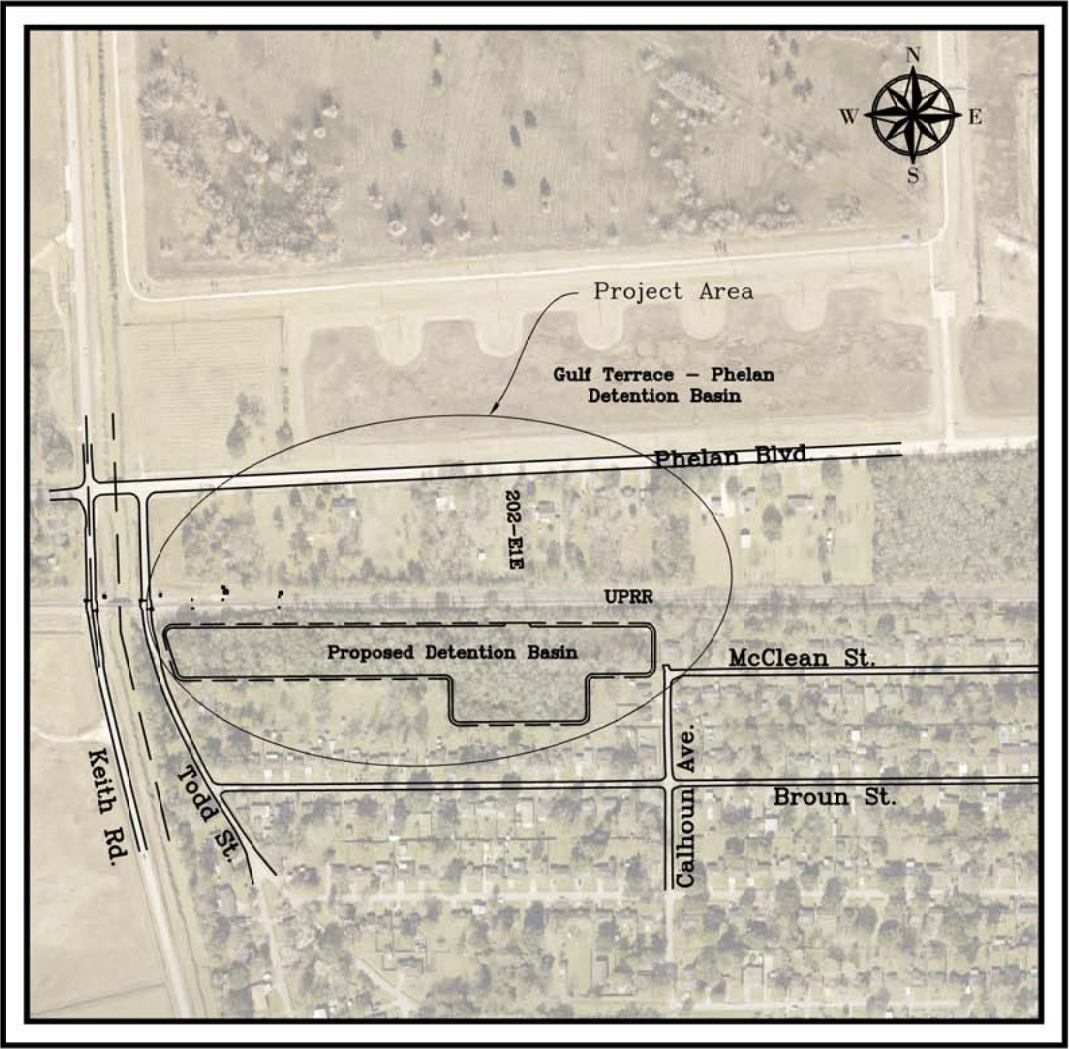
GENERAL MANAGER

DR. JOSEPH G. MAJDALANI, P.E., C.F.M.

PROJECT: Ditch 202-E1E & Basin at UPRR  
PROJECT LOCATION: Beaumont, Texas  
COUNTY: Jefferson County  
DESCRIPTION: For the renovation of ditch 202-E1E and a basin on property owned by Jefferson County Drainage District NO.6.

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- 04 PLAN VIEW OF UPRR & PHELAN
- 05 UPRR PLAN VIEW
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Wallace R. Wilson P.E.

12/15/21

DATE

LOCATION MAP  
SCALE: NTS  
December 2021



General Notes and Specifications

1. The Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges, Adopted November 2014, and AREMA, American Railway Engineering and Maintenance-of-Way Association, current Publication will govern all specifications not directly addressed in this document.
2. Before excavating near existing utilities, contact the utility companies or the utility coordinating committee for exact locations to prevent damage or interference with present facilities. Notify the utility coordinating committee and the Texas One Call System at the following numbers:

Texas One Call, toll-free 1-800-245-4545

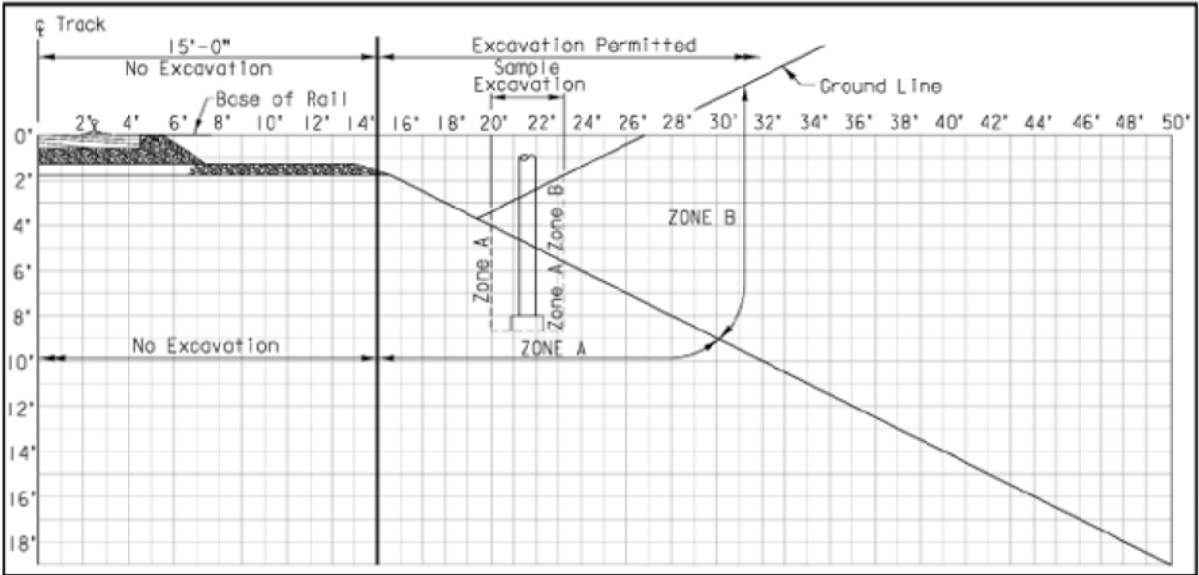
AT&T Communications 555 Main - Room 20760 Beaumont, Texas 77701 (409) 839-1666 Ray Hillin	Entergy Distribution North 11 <sup>th</sup> Street Beaumont, Texas 77701 (409) 785-2136 Brian Cross	CenterPoint Energy Entex 6090 College Beaumont, Texas 77707 (409) 860-7111 Robert Young
Spectrum 602 N. Hwy 69 Nederland, Texas 77627 (409) 720-5565 Adam LaRive	City of Beaumont City Utilities (409) 785-4720 Edward Brown	City of Beaumont Public Works-Engineering (409) 880-3725 Molly Villarreal, P.E.

This action does not relieve the Contractor of the responsibilities under the terms of the contract or the plans and specifications. Damage caused by the Contractor's operations shall be repaired and restored to service in a timely manner at no expense to DD6.

3. The approximate location of the known underground utility installations is as shown on the plans. Confirm the location of these utility lines and the exact location of any others which may exist. Assume full responsibility for notifying the utility involved in case of conflict or damage and he/she shall be responsible for damage that occurs due to his/her negligence. Remove and dispose of abandoned lines encountered that interfere with the construction of this project. Consider this work to be subsidiary to the various bid items of the contract.
4. The bore shall progress continuously (24/7, without stoppage) until the leading edge of the pipe has completely passed under all tracks and through Zone A, as shown in "Track Protection Shoring Requirements."
5. The front of the pipe shall be provided with mechanical arrangements or devices that will positively prevent the auger from leading the pipe so that no unsupported excavation is ahead of the pipe while within Zone A and under the tracks.
6. The auger and cutting head arrangement shall be removable from within the pipe in the event an obstruction is encountered and needs to be removed.
7. The over-cut by the cutting head shall not exceed the outside diameter of the pipe (plus coating) by that approximately 1 inch, grouting or other methods approved by the Railroad, shall be employed to fill such voids.
8. The face of the cutting edge shall be arranged to restrict an otherwise free flow material leading to over excavating material ahead/above the pipe.
9. Work plans and description of the equipment to be used shall be submitted to the Railroad for approval and no work shall proceed until such approval is obtained.
10. UPRR "Call Before You Dig" (CBYD) phone number - 1-800-336-9193.

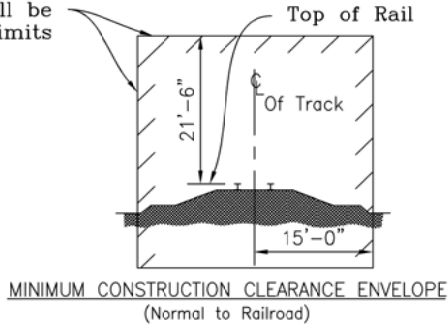
Railroad Pipeline or Culvert Accommodation Notes

1. The contractor must submit a proposed method of erosion and sediment control and have the method approved by the Railroad.
2. Regardless of underlying land ownership, all shoring systems within Railroad right-of-way or that may impact the Railroad's operations and/or supports the Railroad's embankment shall be designed and constructed per current Railroad guidelines for Temporary Shoring.
3. The contractor must submit and provide sufficient safety measures to protect the unattended excavations to the Railroad for approval.
4. All demolitions/removals within the Railroad's right-of-way and/or that may impact the Railroad's tracks or operations shall be in compliance with the current Railroad's Demolition Guidelines.
5. Railroad requirements do not allow work within 50 feet of track centerline when a train passes the work site and all personnel must clear the area within 25 feet of the track centerline and secure all equipment.
6. The contractor shall adhere to the following culvert and pipeline construction requirements while within the Railroad's right-of-way.
- a. The boring operation shall be progressed on a continuous (24/7) basis without stoppage until the leading edge of the pipe has completely passed under all track and through Zone A on each side as shown below:



- b. The front of the pipe shall be provided with mechanical arrangements or devices that will positively prevent the auger from leading the pipe so that no unsupported excavation is ahead of the pipe while within Zone A or under the tracks.
- c. The auger and cutting head arrangement shall be removable from within the pipe in the event an obstruction is encountered and needs to be removed.
- d. The over-cut by the cutting head shall not exceed the outside diameter of the pipe (plus coating) by that approximately 1 inch, grouting or other methods approved by the Railroad, shall be employed to fill such voids.
- e. The face of the cutting edge shall be arranged to restrict an otherwise free flow material leading to overexcavating material ahead/above the pipe..
- f. Work plans and description of the equipment to be used shall be submitted to the Railroad for approval and no work shall proceed until such approval is obtained.
7. The contractor must submit a track and ground monitoring plan for Railroad review. See section 3 in the link below. The elevation of the existing top-of-rail profile shall be verified before beginning construction and at project closing. As deemed necessary by the Railroad, continuous monitoring may be required as well as monitoring for 14 days after the installation. The contractor will be responsible for all costs associated with monitoring and restoring the track profile as necessary. All discrepancies shall be brought to the attention of the Railroad.
- [https://www.up.com/cs/groups/public/@uprr/@realestate/documents/up\\_pdf\\_natedocs/pdf\\_up\\_util\\_aban.pdf](https://www.up.com/cs/groups/public/@uprr/@realestate/documents/up_pdf_natedocs/pdf_up_util_aban.pdf)
8. When abandoning utilities (leave-in-place or remove), the contractor must submit their plan to the railroad for prior review. See the UPRR Abandonment Guidelines.
- [https://www.up.com/cs/groups/public/@uprr/@realestate/documents/up\\_pdf\\_natedocs/pdf\\_up\\_util\\_aban.pdf](https://www.up.com/cs/groups/public/@uprr/@realestate/documents/up_pdf_natedocs/pdf_up_util_aban.pdf)
9. Call Before You Dig. Prior to excavation, disrupting, or working on the Railroad property the contractor shall locate and protect UPRR facilities by calling the UPRR "Call Before You Dig" (CBYD) phone number: 1-800-336-9193.
10. Construction activities are not allowed within the "Minimum Construction Clearance Envelope" as they would otherwise disrupt Railroad operations.

No Construction Activities or Other Obstructions shall be Placed within These Limits



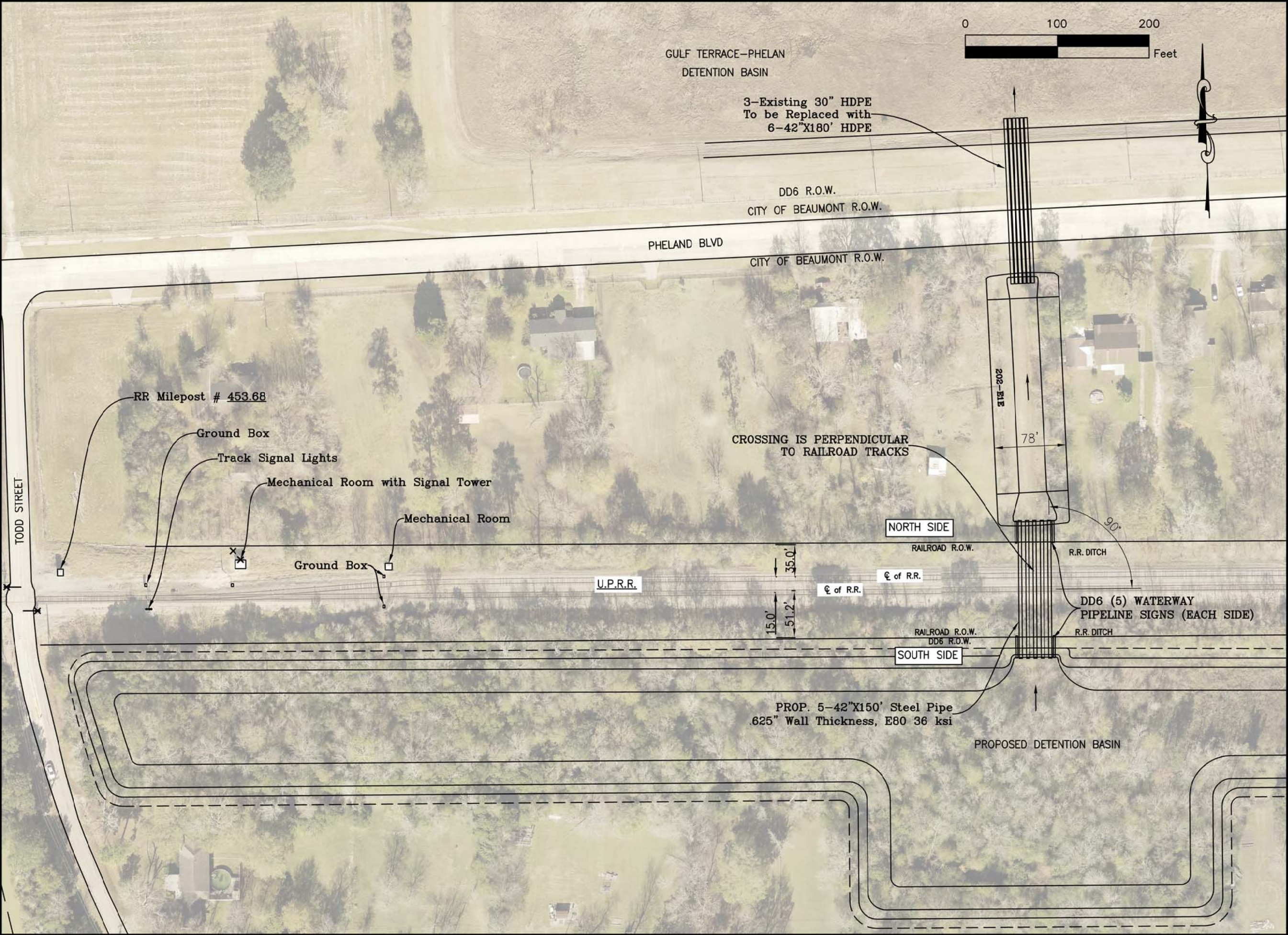
PROJECT LOCATION	
CITY	COUNTY
BEAUMONT	JEFFERSON
WATERSHED	DITCH NO.
WILLOW MARSH	202-EIE
STATE	
TEXAS	
SHEET	
02	

Drainage District No. 6, Texas  
Jefferson County

General Notes & Specifications	
MCLEAN RELIEF PROJECT	
WALLACE R. WILSON, P.E. No. 84857	
DATE 12/15/21	
Wallace R. Wilson P.E.	
<p>STATE OF TEXAS WALLACE R. WILSON 84857 LICENSED PROFESSIONAL ENGINEER</p>	
APPROV.	
REVISION	
HEC	
NO. DATE/DRN	
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PROJECT LOCATION					
CITY	BEAUMONT	COUNTY	JEFFERSON	STATE	TEXAS
WATERSHED	WILLOW MARSH	DITCH NO.	202-E1E	SHEET	04

DRAINAGE DISTRICT NO. 6

DD6

JEFFERSON COUNTY, TEXAS

PLAN VIEW of UPRR & PHELAN  
MCLEAN RELIEF PROJECT

WALLACE R. WILSON, P.E. No. 84857

DATE  
12/15/21

Wallace R. Wilson P.E.

STATE OF TEXAS

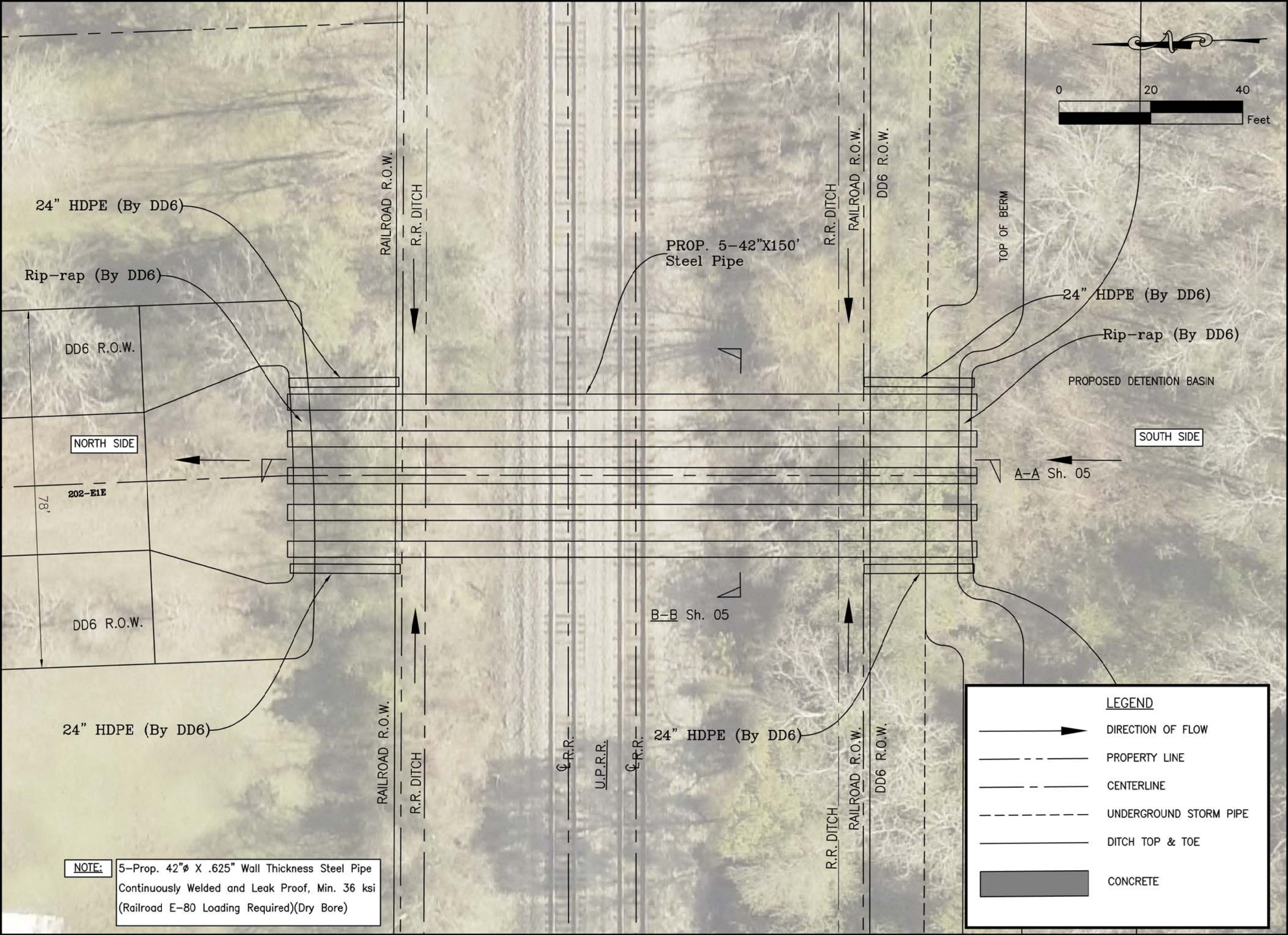
WALLACE R. WILSON

84857

LICENSED PROFESSIONAL ENGINEER


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NO.	DATE/DRN	REVISION	APPROV.		






**NOTE:** 5-Prop. 42" X .625" Wall Thickness Steel Pipe Continuously Welded and Leak Proof, Min. 36 ksi (Railroad E-80 Loading Required)(Dry Bore)

PROJECT LOCATION			
CITY	COUNTY	STATE	
BEAUMONT	JEFFERSON	TEXAS	
WATERSHED	DITCH NO.	SHEET	
WILLOW MARSH	202-E1E	05	



DRAINAGE DISTRICT NO. 6  
JEFFERSON COUNTY, TEXAS

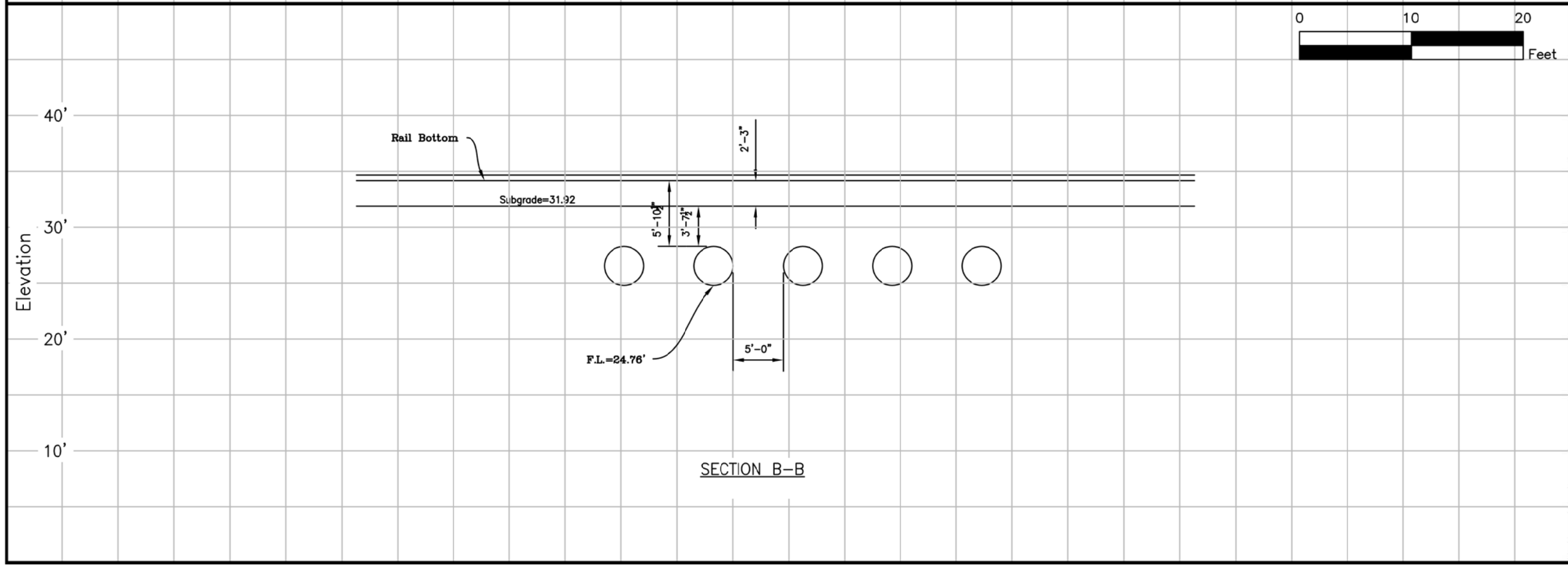
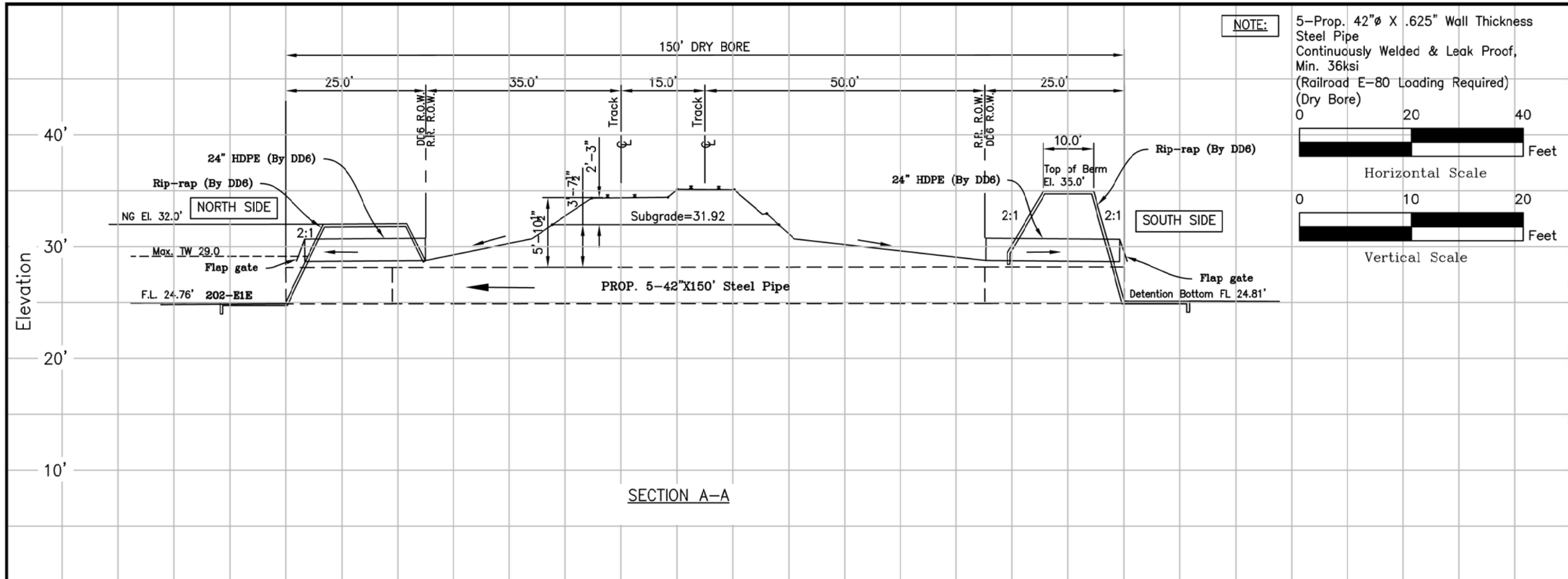
UPRR PLAN VIEW		DATE
MCLEAN RELIEF PROJECT		12/15/21
WALLACE R. WILSON, P.E. No. 84857		
<i>Wallace R. Wilson P.E.</i>		





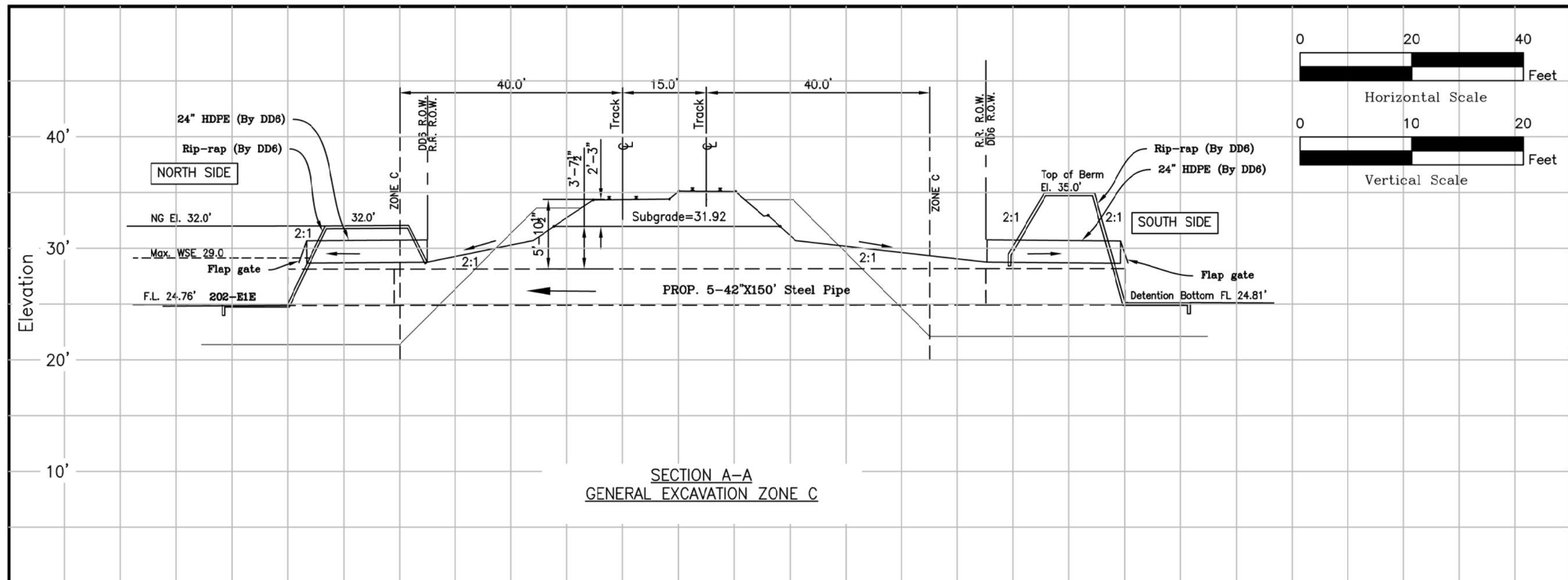
STATE OF TEXAS  
WALLACE R. WILSON  
84857  
LICENSED PROFESSIONAL ENGINEER

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PROJECT LOCATION			
CITY	COUNTY	STATE	SHEET
BEAUMONT	JEFFERSON	TEXAS	06
WATERSHED	DITCH NO.		
Willow Marsh	202-E1E		
			
UPRR SECTIONS			
MCLEAN RELIEF PROJECT			
WALLACE R. WILSON, P.E. No. 84857			DATE
<i>Wallace R. Wilson P.E.</i>			12/15/21
			
NO.	DATE/DRN	REVISION	APPROV.
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- GENERAL NOTES:
1. All dimensions are measured perpendicular to the  $\mathbb{C}$  of track.
  2. All excavation will be outside of Zone C.
  3. Shoring to comply with OSHA Standards.

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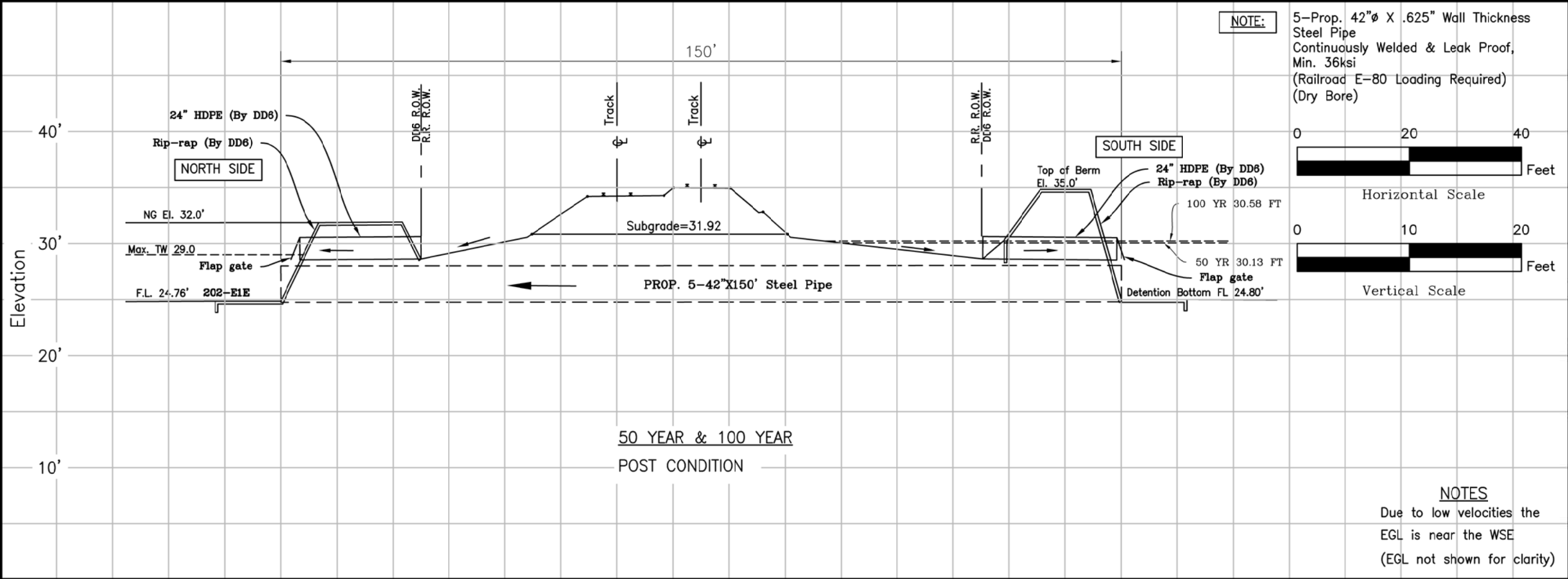
PROJECT LOCATION		
CITY	COUNTY	STATE
BEAUMONT	JEFFERSON	TEXAS
WATERSHED	DITCH NO.	SHEET
Willow Marsh	202-E1E	07



UPRR ZONE LIMITS  
MCLEAN RELIEF PROJECT  
WALLACE R. WILSON, P.E. No. 84857  
DATE 12/15/21  
*Wallace R. Wilson P.E.*



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5				
4				
3				
2				
1				
NO.	DATE	DRN	REVISION	APPROV.



UPRR EGL & WSE DATA		MCLEAN RELIEF PROJECT		WALLACE R. WILSON, P.E. No. 84857		DATE 12/15/21	
DRAINAGE DISTRICT NO. 6		JEFFERSON COUNTY TEXAS		WALLACE R. WILSON		P.E. No. 84857	
STATE		COUNTY		CITY		WATERSHED	
TEXAS		JEFFERSON		BEAUMONT		Willow Marsh	
SHEET		DITCH NO.		202-E1E		APPROV.	
08						REVISION	
						NO. DATE/DRN	