

JEFFERSON COUNTY
DRAINAGE DISTRICT NO.6

PLANS FOR
8TH STREET ASPHALT REPAIR

PROJECT NO.: IFB21-039
PROJECT: 8TH STREET ASPHALT REPAIR
LIMITS: ELINOR STREET to DITCH 110
PROJECT LOCATION: 8TH STREET
COUNTY: JEFFERSON COUNTY
DESCRIPTION: FOR THE BASE REPAIR OF ASPHALT CONCRETE PAVEMENT (ACP).

PROJECT BEGAN (ACTUAL WORK BEGAN):	DATE
PROJECT COMPLETED:	DATE
PROJECT CONSTRUCTED & FINAL PLANS:	<input checked="" type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS-BUILT
FINAL CONSTRUCTION COST:	\$
TCEQ PERMIT No.:	DD6 is MS4 Operator
GRADING PERMIT No.:	NA-Existing Road Foot Print
STREET-CUT & BARRICADE No.:	Filed with The City of Beaumont
DRIVEWAY PERMIT No.:	NA
BUILDING PERMIT No.:	NA
ELECTRICAL PERMIT No.:	Traffic Control Plan Attached
OTHER PERMIT No.:	NA
TDLR PROJECT No.:	NA
TDLR INSPECTION REQUIRED:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



BOARD OF DIRECTORS

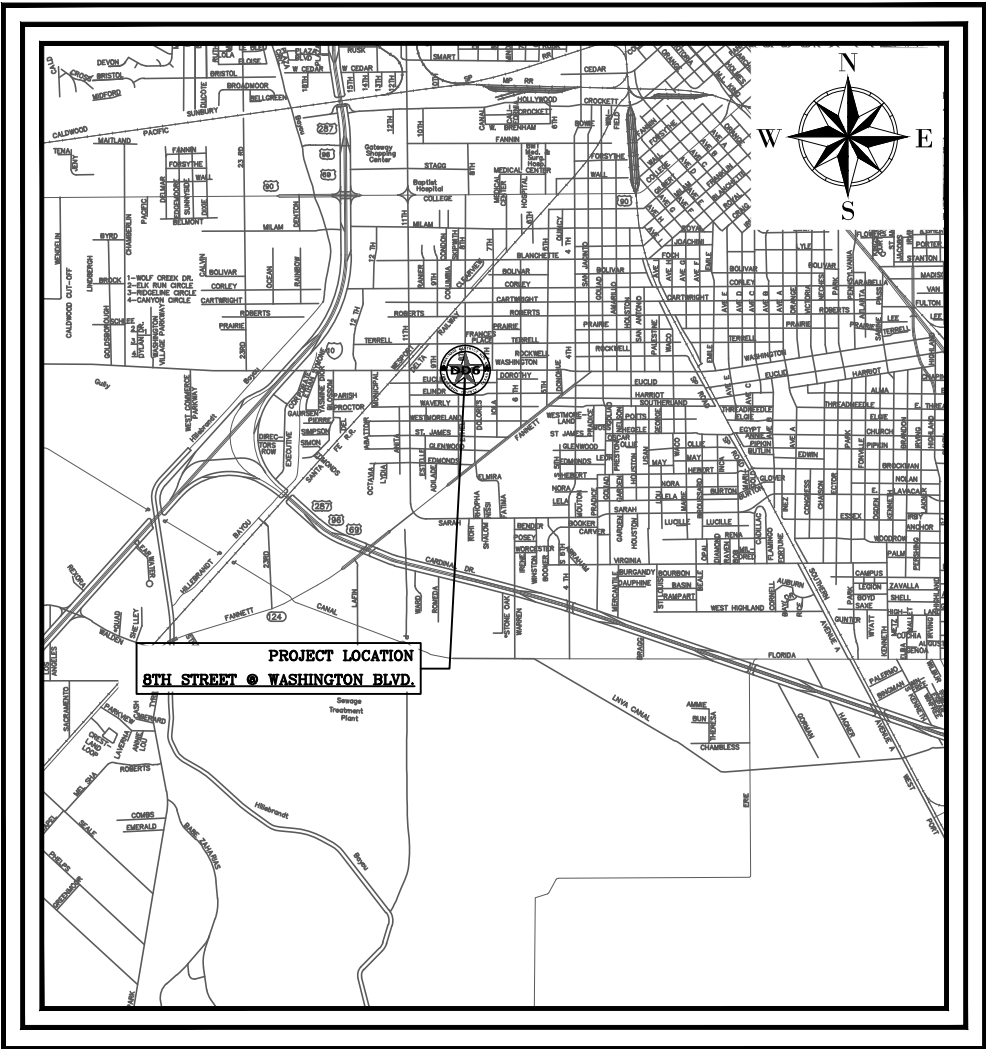
PRESIDENT: JOUSHUA W. ALLEN, SR.
VICE PRESIDENT: BERNIE DALEO
SECRETARY: CHARLES GUILLORY
DIRECTOR: ANTHONY MALLEY, III
DIRECTOR: CHARLES KIKER, III

GENERAL MANAGER

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

DISTRICT ENGINEER

DOUG CANANT, P.E., R.P.L.S., C.F.M.



LOCATION MAP

SCALE: NTS

NOVEMBER 2021

Harold E. Crochet, Jr.

11/04/2021

PREPARED BY:
HAROLD E. CROCHET, JR.
PROJECT ENGINEER ASSISTANT

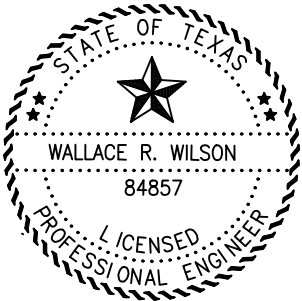
DATE

Wallace R. Wilson P.E.

11/04/2021

APPROVED BY:
WALLACE R. WILSON, P.E. No.84857
SENIOR ENGINEER

DATE



THE CONTRACTOR SHALL PROVIDE AND ERECT BARRICADES AND CONSTRUCTION SIGNS IN ACCORDANCE WITH BC (1-12)-14 AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AT POINTS AS SHOWN ON THE TITLE SHEET AND PLAN SHEETS AND AS DIRECTED BY THE ENGINEER. REQUIRED SIGNS SHALL BE IN ACCORDANCE WITH BC(1)-04 THRU BC(12)-14 AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION ON NOVEMBER 1, 2014 AND SPECIFICATION ITEMS LISTED, SHALL GOVERN ON THIS PROJECT. REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION CONTRACTS (FORM FHWA 1273, MAY, 2012).

INDEX OF SHEETS

GENERAL

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
G01	TITLE SHEET
G02	INDEX OF SHEETS
G03 - 04	GENERAL NOTES & SPECIFICATIONS
G05	ESTIMATE & QUANTITY SUMMARY SHEETS

TRAFFIC CONTROL PLAN

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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An approved Traffic Control Plan (TCP) is on file with the City of Beaumont and is available for review.

However, the Contractor must get an approved TCP from the City of Beaumont if the Contractor wants to use a different TCP.

DRAINAGE DETAILS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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BRIDGES

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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ROADWAY DETAILS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
RDT01 - 02	ROADWAY PLAN SHEET
RDT03	TYPICAL ROAD SECTION-HMAC

RETAINING WALL DETAILS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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UTILITIES

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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TRAFFIC ITEMS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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RAILROAD

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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TxDOT Standards

DETAIL SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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ENVIRONMENTAL ISSUES

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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<div>PROJECT LOCATION</div> <div><div>CITYCOUNTYSTATE</div><div>BEAUMONTJEFFERSONTEXAS</div><div>WATERSHEDDITCH NO.SHEET</div><div>100110G2</div></div>		<div>8TH STREET ASPHALT REPAIR</div> <div>INDEX SHEET</div> <div>WALLACE R. WILSON, P.E. No.84857</div> <div>DATE 11/04/2021</div> <div><i>Wallace R. Wilson P.E.</i></div>	<div><div>STATE OF TEXAS</div><div>WALLACE R. WILSON</div><div>84857</div><div>PROFESSIONAL ENGINEER</div></div>	<div>NO.</div> <div>DATE</div> <div>DRN</div>	<div>REVISION</div>	<div>APPROV.</div>

General Notes and Specifications

1. The Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges, Adopted November 2014, will govern all specifications not directly addressed in this document.
2. Direct attention to comply with all ordinances and regulations of local municipal and county governments and the TCEQ (Texas Commission on Environmental Quality), which may be applicable on this project. General Construction Permit may be obtained online at <https://www.tceq.texas.gov/permitting/stormwater> through TCEQ. A Notice to Proceed will not be issued until all Permits are submitted to the City of Beaumont Public Works-Engineering Department for review. This will not be paid for directly and will be considered subsidiary to various bid items.
3. Any storm water permit and associated fees required for construction of this project shall be at the contractor's expense. Also, any temporary erosion, sediment and water control measures required shall be in accordance with the details shown in the plans, and all work and materials required will not be paid for directly but considered subsidiary to various bid items. Erosion control logs are to be utilized at every inlet within the affected area of construction and should remain in place throughout the duration of construction. Contractor shall submit SW3P plan prior to the start of construction. This will not be paid for directly and will be considered subsidiary to various bid items.
4. Procure all the necessary city and/or county permits and licenses before the start of this project.
5. 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 11th/ 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

Beaumont, Texas 77707

(409) 785-4720

Edward Brown

City of Beaumont

Public Works-Engineering

Beaumont, Texas 77707

(409) 880-3725

David Tingle

Inspections:

1. All inspections shall be performed by the City of Beaumont.
2. City of Beaumont will determine if night work or weekend work is allowed.

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.

6. 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.
7. Allow DD6 & City forces to enter this project to accomplish such work as shown in the plans (by others) and as may be deemed necessary by the engineer.
8. Maintain for the duration of this project, those sections of existing and proposed travel ways and appurtenances which are to be constructed, reconstructed, or modified under this project. City forces will maintain the existing sections of roadway and its appurtenances not a part of this project. Any portion of roadway and its appurtenances damaged by the contractor's forces shall be repaired by the contractor at his/her expense.
9. Place all equipment and vehicles not in operation a minimum of 10 feet from the travel way unless protected behind positive barrier. All damages caused by the Contractor shall be repaired at his/her expense. Protect all areas of the right of way which are not included in the actual limits of the proposed construction areas from destruction. Restore any damaged areas to original or better condition. No payment will be made for this work.
10. Assume ownership for all designated waste material and dispose of it at a place off of the right of way, as approved by the engineer.
11. Take reasonable measures to avoid the death of any migratory birds, their young or their eggs.
12. Control the dust caused by construction operations. For sweeping the finished concrete pavement, use one of the following types of sweepers or equal:

Tricycle Type	Truck Type -4 Wheel
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Tricycle Type
Wayne Series 900
Elgin White Wing
Elgin Pelican
Mobile TE-4

Truck Type -4 Wheel
M-B Cruiser II
Wayne Model 945
Mobile TE-3
Murphy 4042

13. The contractor shall be responsible for all maintenance of the travel way and appurtenances within the barricades for the duration of the project. Ingress and egress to adjacent property shall be maintained by the contractor at all times.
 14. If overhead or underground power lines need to be de-energized, contact the electrical service provider to perform this work. Costs associated with de-energizing the power lines or other protective measures required are at no expense to DD6. If working near power lines, comply with the appropriate sections of Texas State Law and Federal Regulations relating to the type of work involved.
 15. Material on hand will not be paid for.
 16. Prior to final acceptance, all new and existing structures and extensions shall be cleaned and free of debris and dirt and all outfall channels unobstructed. This work will not be paid for directly but will be considered subsidiary to the various bid items.
 17. Move existing signs, mailboxes, delineators and any other similar obstructions that interfere with construction to temporary locations approved by the engineer. Move them back to their permanent positions when the work progresses to the point where this is possible. Place the sign post back in accordance with the applicable standard sheets. This will not be paid for directly and will be considered subsidiary to various bid items.
 18. Maintain adequate drainage throughout the limits of the project during all construction phases.
 19. Verify material quantities and dimensions prior to ordering materials.
 20. The Contractor will establish the project control point, points, or tangency, PI's (points of intersection), point of curvature (PC, PI, and PT) and bench marks at the beginning and end of the project on the plan view only. Contractor shall establish and maintain these points throughout construction. There will be no separate payment for this work, but it shall be considered subsidiary to various bid items.
 21. When design details are not shown on the traffic control plans, provide signs and arrows conforming to the latest "Texas M.U.T.C.D." manual. The traffic control plan for the DD6 Project can be revised at DD6, However the Contractor must get an approved TCP from the City of Beaumont. This will not be paid for directly but shall be considered subsidiary to the various bid items.
 22. All materials, labor and incidentals required for the contractor to provide for traffic across the streets and for temporary ingress and egress to private property shall be furnished by the contractor at no additional cost to DD6 and shall be considered as incidental to the various bid items in this project.
 23. Expansion Joints to be placed at the end of each curve radius and at intervals not to exceed 30 feet on straight sections and should at minimum align to match existing construction joints.
 24. Longitudinal Joints, construction Joints and Warp cuts shall be installed as shown on construction detail sheet and should at minimum match alignment of existing joints. Maximum spacing between joints not to exceed 30 feet.
 25. Any saw-cutting required for the project shall not be paid for directly but shall be considered subsidiary to various bid items.
 26. The Contractor will notify the Engineer 48 hours in advance of completed work per site. The Engineer will inspect each site and submit a punch list per location to the Contractor as necessary. The Contractor will not demobilize from site until the Engineer has approved all work including punch list items.
- End of General Notes**

End of General Notes

[illegible]

P:\100-Hillebrandt\100-Hillebrandt Bayou\110\Elinor Street Relief\04-Design\01-CAD\01-ActiveDWG_AspphaltRepair\01-General Section.dwg, G4-GN&S

Specifications

Item 5: Control of Work

1. Station the project prior to commencing work. Mark the stations every 100 feet. Maintain stationing throughout the duration of the project. Remove the station markings at the completion of the project. Consider this work to be subsidiary to the various bid items of the contract.

Item 7: Legal Relations and Responsibilities

1. Furnish all materials, labor and incidentals required to provide for traffic across the street and for temporary ingress and egress to private property. Consider this work to be subsidiary to the various bid items of the contract.

Item 8: Prosecution and Progress

1. Compute and charge calendar days in accordance with Article 8.3.1.4, "Standard Workweek" & Article 8.3.1.6, "Other". Monday through Friday with the option of working Saturdays when the Engineer is provided sufficient advance notice.
2. Gather information and direct attention to the aspects of adjoining projects that may be in the progress during the construction of a portion of this project. Plan and prosecute the sequence of construction and the traffic control plan with adjacent construction projects so as not to interfere with, or hinder the completion of the work in progress on the adjoining projects. Coordinate projects to ensure an uninterrupted flow of traffic.

Item 9: Measurement and Payment

1. The Contractor shall submit all tickets, As-Built drawings and updated schedule with each pay request. As-Built for pay request will be the Plan sheet with qty's on each plan sheet.
2. DD6 will withhold a 5% retainage from each pay request.

Item 310: Prime Coat and Blotter

1. Prime coat can be AE-P or MC-30.
2. Prime coat will be placed at a rate of 0.2 gallons per square yard.

Item 340: Dense-Graded Hot Mix Asphalt (SQ)

1. Binder grade will be PG64-22.
2. Contractor to Provide Approved Design.
3. All testing is waved except Asphalt Content and Gradation.
4. Testing shall be one one truck per day or every 50 C.Y.
5. Testing will be paid for by the contractor and records given to DD6.

Item 351: Flexible Pavement Structure Repair

1. Contractor shall saw cut full depth of existing A.C.P. before removing material.
2. Contractor shall remove existing A.C.P plus 8-inches of existing base material.
3. Contractor shall plate compact existing base or subgrade and prep for installation of 8-inches of A.S.B.
4. Contractor shall stop 1.5-inches shy of existing grades to install 1.5-inches of HMAc.
5. Excavated base material from base repairs shall be used for shouldering up 1-ft beyond pavement edge. This item will not be paid for separately and payment should be considered subsidiary to Item 351.



Item 500: Mobilization

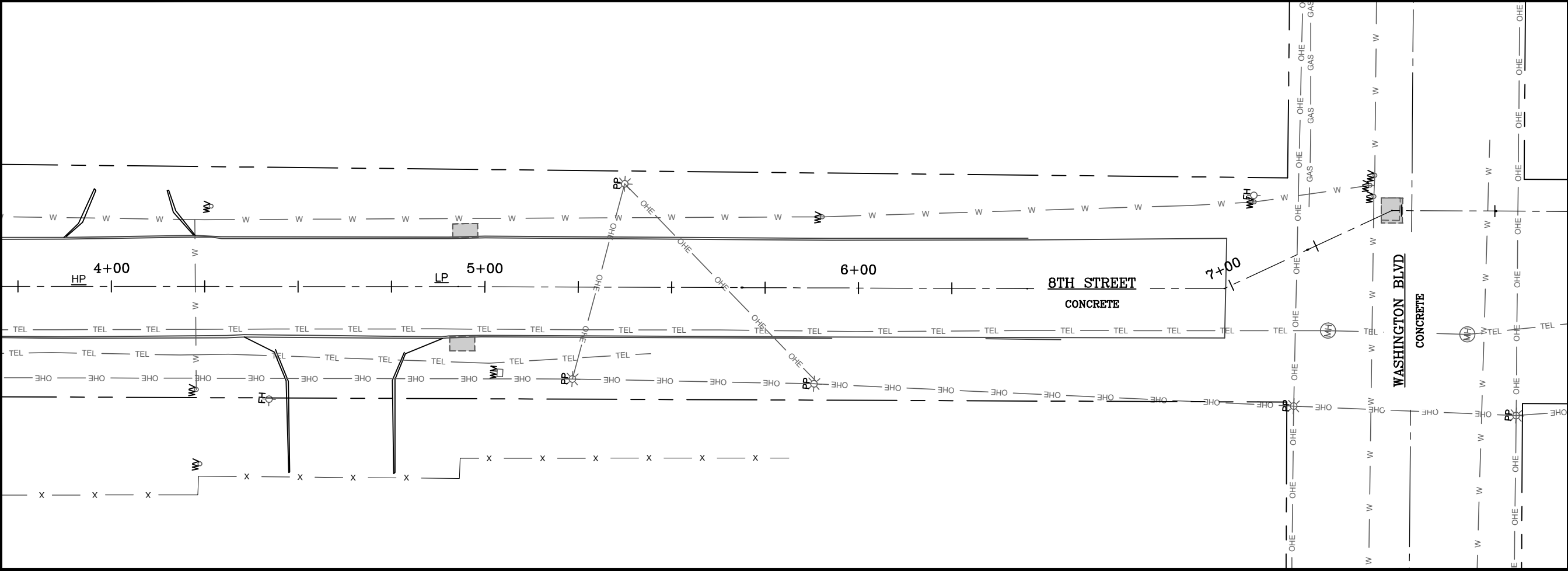
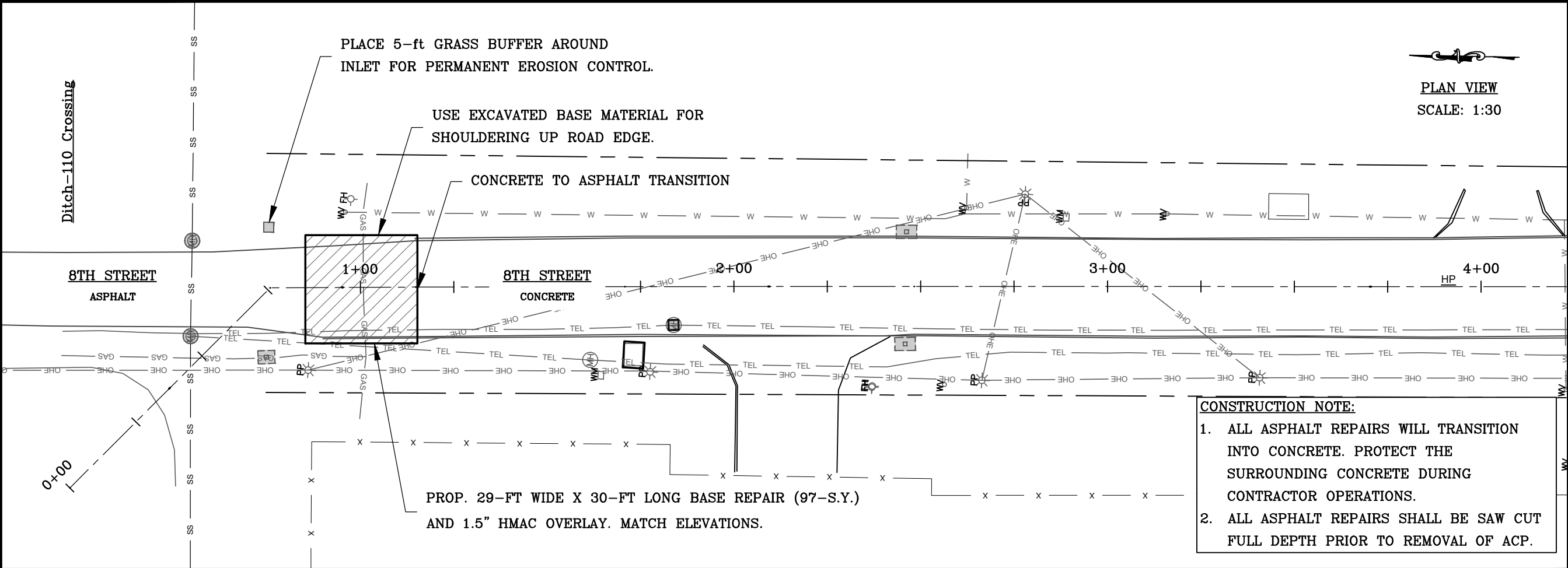
1. Mobilization shall not exceed ten (10) percent of the total construction items amount.

Item 502: Barricades, Signs, and Traffic Handling

1. Submit changes to the traffic control plan to the City of Beaumont.
2. Furnish and maintain the barricades and warning signs, including the necessary temporary and portable traffic control devices, during the various phases of construction. Place and construct these barricades and warning signs in accordance with the latest "Texas Manual on Uniform Traffic Control Devices for Streets and Highways" for typical construction layouts.
3. Furnish additional barricades and signs to maintain traffic and motorists' safety when directed by the Engineer. Consider payment for these additional signs and barricades subsidiary to Item 502.
4. Cover work zone signs when work related to the signs is not in progress, or when any hazard related to the signs no longer exists.
5. Keep the delineation devices, signs, and pavement markings clean. This work is subsidiary to the Item, "Barricades, Signs, and Traffic Handling".
6. Do not mount signs on drums or barricades, except those listed in the latest Barricades and Construction standard sheets.
7. Use traffic cones for daytime work only. Replace the cones with plastic drums during nighttime hours.
8. Place positive barriers to protect drop-off conditions greater than 2 ft. within the clear zone that remain overnight. The traffic control plan (TCP) shall conform to the BC (1)-(12) standards and part VI of the Current Texas Manual Of Uniform Traffic Control Devices.
9. Remove all traffic control devices from the roadway, off of the right of way, when they are not in use. Devices scheduled to be used within 3 days may be placed along the shoulder of the roadway or right of way when not in use, or stored in other approved areas on the project. Cover any construction signs that are not in effect that are installed in a fashion that will not allow them to be removed from the right of way easily. Construct all work zone signs, sign supports, and barricades from material other than wood unless approved by the engineer.
10. Plan the sequence of work so as to minimize inconvenience to the traveling public. Any changes to the traffic control plan shown in the plans must be approved in writing by the City of Beaumont. Submit the revised plan for approval to the City of Beaumont.
11. The Contractor shall submit an excel spreadsheet of streets and closure dates. Contact Antoinette Hardy, 72 hours in advance notice, with detours.
12. It is the responsibility of the Contractor to notify commercial businesses and residential citizens of work to be performed 48 hours in advance.
13. The approval by the engineer of the method and procedure the contractor plans to use to handle or detour traffic will not relieve the contractor of his responsibility for the protection of the traveling public.
14. Use drums or vertical panels instead of cones as traffic control devices.
15. Provide flaggers at each side-road intersection and ensure they have communication with the flaggers controlling the movement of traffic on the highway.


End of Specifications

		PROJECT LOCATION	
		CITY	COUNTY
		BEAUMONT	JEFFERSON
		WATERSHED	DITCH NO.
100		110	
8TH STREET ASPHALT REPAIR		STATE	
GENERAL NOTES & SPECIFICATIONS		TEXAS	
WALLACE R. WILSON, P.E. No.84857		SHEET	
		G4	
Walter R. Wilson P.E. 01/12/2022			
REVISION		APPROV.	
NO. DATE		DRN	



- CONSTRUCTION NOTE:**
1. ALL ASPHALT REPAIRS WILL TRANSITION INTO CONCRETE. PROTECT THE SURROUNDING CONCRETE DURING CONTRACTOR OPERATIONS.
 2. ALL ASPHALT REPAIRS SHALL BE SAW CUT FULL DEPTH PRIOR TO REMOVAL OF ACP.

PROJECT LOCATION			
CITY	COUNTY	STATE	
BEAUMONT	JEFFERSON	TEXAS	
WATERSHED	DITCH NO.		
100	110		



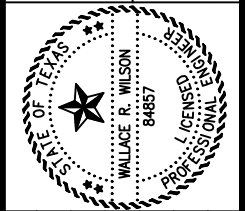
8TH STREET ASPHALT REPAIR

REPAIR LOCATIONS

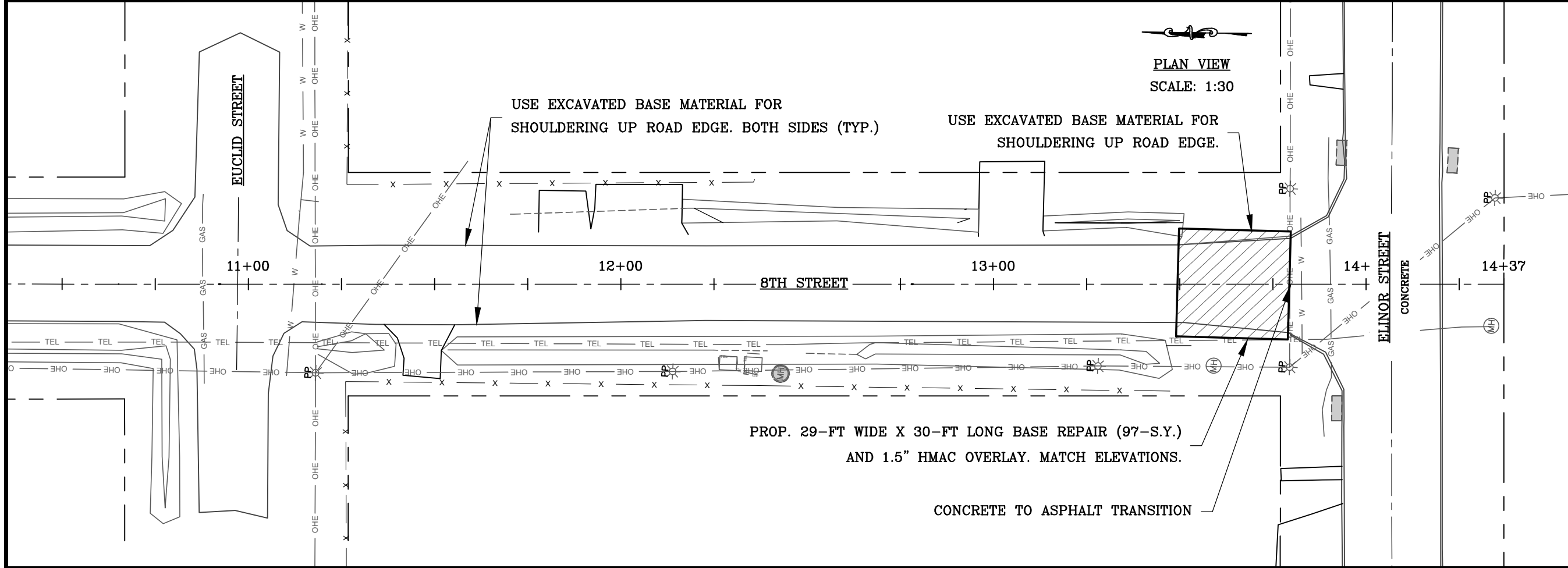
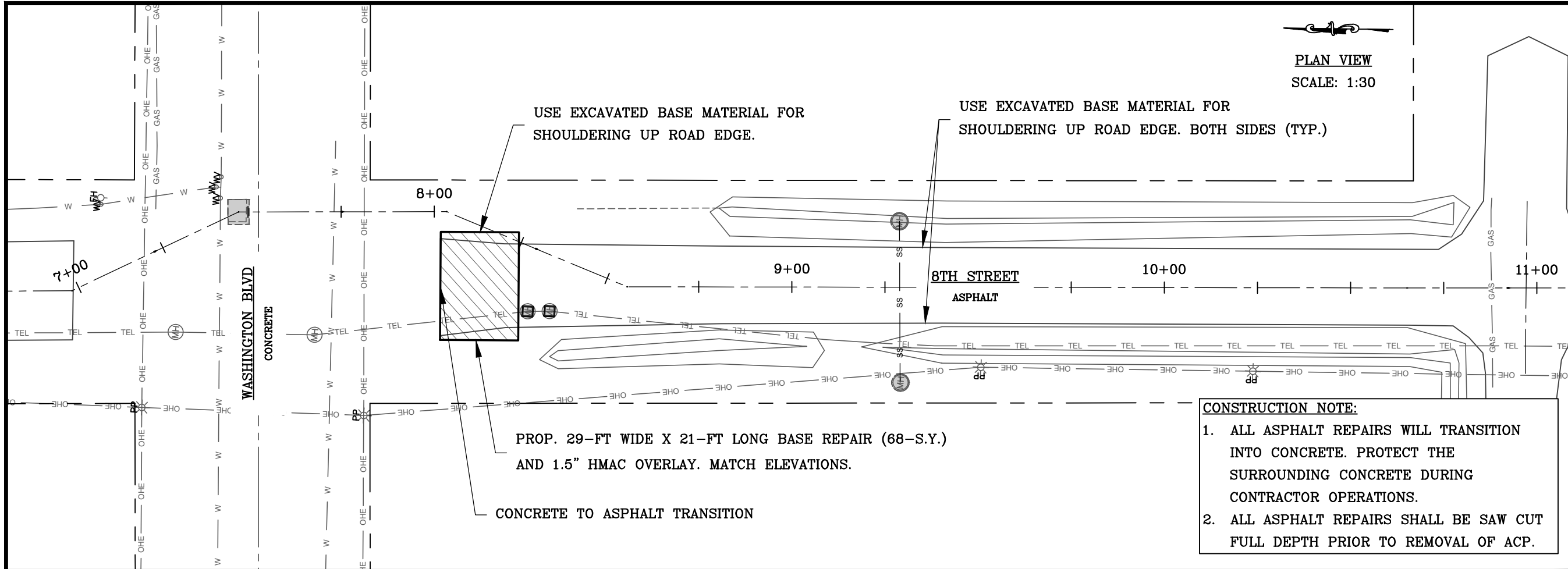
WALLACE R. WILSON, P.E. No. 84857

Wallace R. Wilson P.E. 11/04/2021


DATE



NO.	DATE	DRN	REVISION	APPROV.
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PROJECT LOCATION				
CITY	COUNTY	STATE		
BEAUMONT	JEFFERSON	TEXAS		
WATERSHED	DITCH NO.	SHEET		
100	110			RDT02

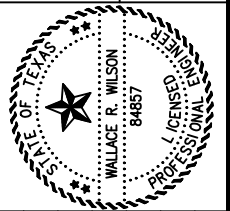


8TH STREET ASPHALT REPAIR
REPAIR LOCATIONS

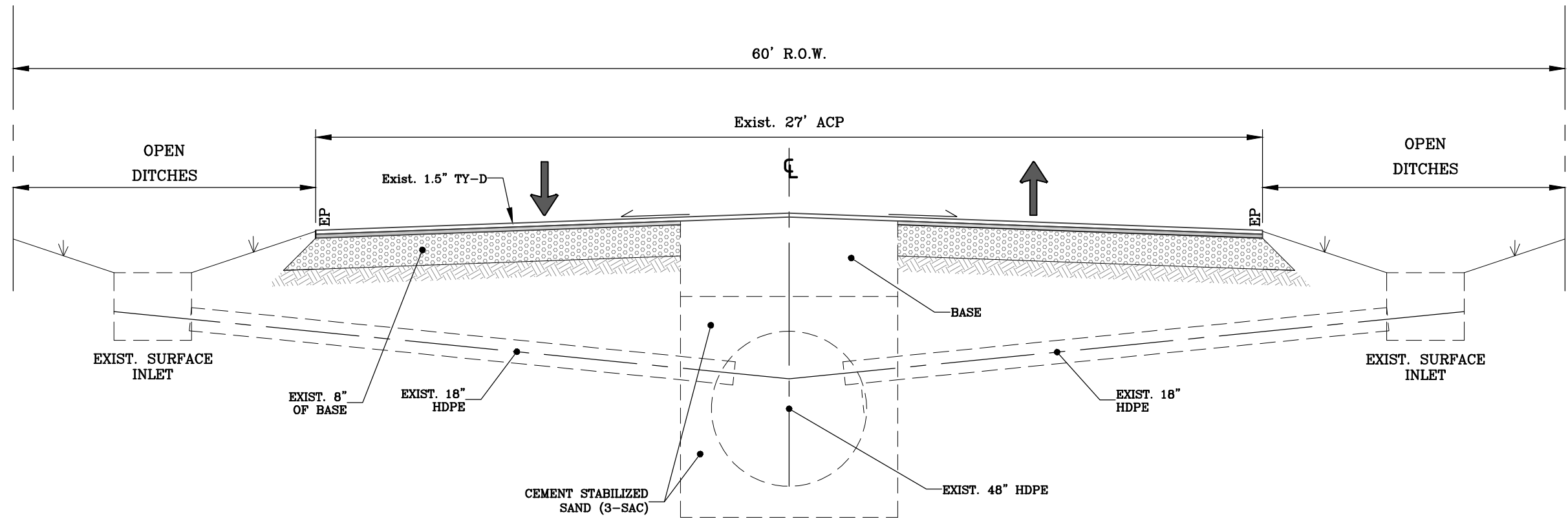
WALLACE R. WILSON, P.E. No. 84857

DATE
11/04/2021

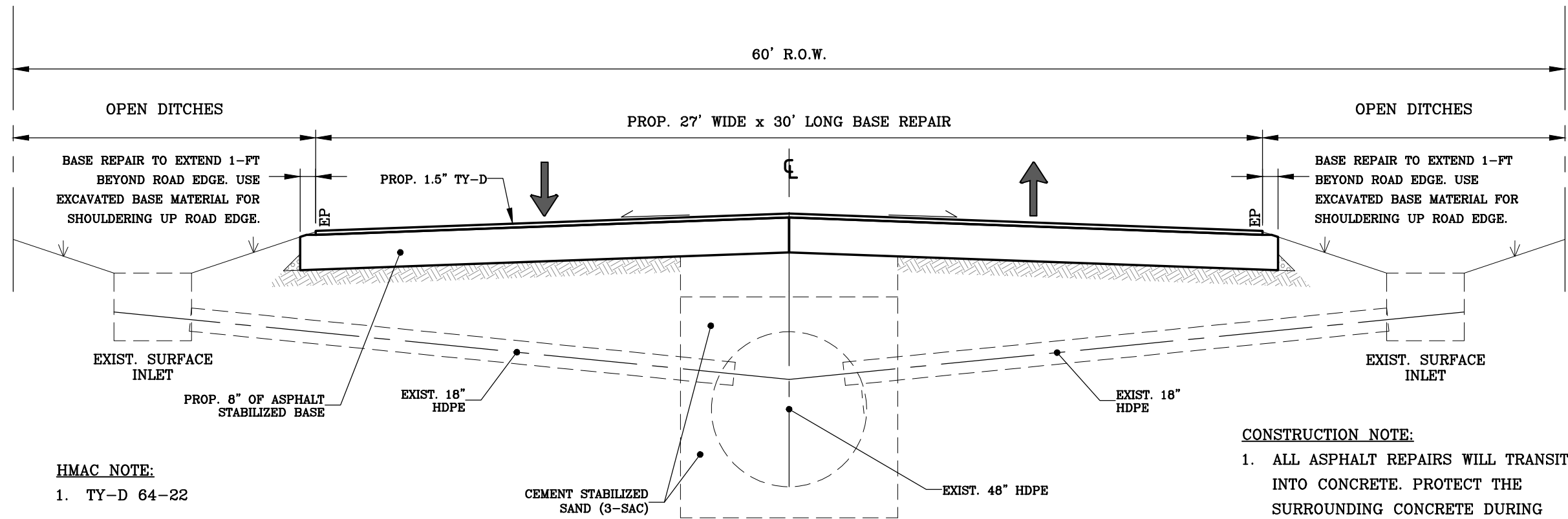
Wallace R. Wilson P.E.



NO.	DATE	DRN	REVISION	APPROV.
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EXIST. TYPICAL SECTION-ACP
ROAD CLASSIFICATION-LOCAL
1:8



HMAC NOTE:
1. TY-D 64-22

PROP. TYPICAL SECTION-HMAC
ROAD CLASSIFICATION-LOCAL
1:8

- CONSTRUCTION NOTE:**
1. ALL ASPHALT REPAIRS WILL TRANSITION INTO CONCRETE. PROTECT THE SURROUNDING CONCRETE DURING CONTRACTOR OPERATIONS.
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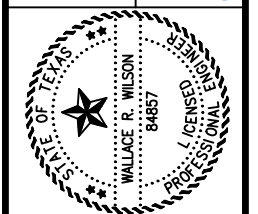
PROJECT LOCATION

CITY	COUNTY	STATE
BEAUMONT	JEFFERSON	TEXAS
WATERSHED	DITCH NO.	SHEET
100	110	RDT03



8TH STREET ASPHALT REPAIR
TYPICAL SECTION - HMAC

WALLACE R. WILSON, P.E. No. 84857
DATE 11/04/2021
Wallace R. Wilson P.E.



NO.	DATE	DRN	REVISION	APPROV.
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