

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: NH 2B20(290)

CONTROL: 0117-03-024

COUNTY: MADISON

LETTING: 11/07/2024

REFERENCE NO: 1025

PROPOSAL ADDENDUMS

- PROPOSAL COVER
- BID INSERTS (SH. NO.: ALL)
- GENERAL NOTES (SH. NO.: A, F, G, H, J, K)

- SPEC LIST (SH. NO.:
- SPECIAL PROVISIONS:
- ADDED:

DELETED:

- SPECIAL SPECIFICATIONS:
- ADDED:

DELETED:

X OTHER: PLAN SHEET AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

***** BID INSERTS *****

REVISED QUANTITIES FOR THE FOLLOWING BID ITEMS:

100-6002,	104-6009,	104-6054,	105-6014,	105-6029,	110-6001
132-6025,	132-6026,	161-6017,	162-6002,	164-6033,	164-6041
164-6043,	168-6001,	247-6230,	247-6231,	275-6001,	275-6010
275-6063,	310-6028,	316-6017,	316-6029,	316-6403,	316-6404
354-6045,	360-6026,	400-6005,	402-6001,	403-6001,	432-6001
432-6002,	432-6031,	432-6033,	432-6045,	450-6062,	460-6003
462-6001,	462-6005,	462-6006,	462-6010,	462-6015,	462-6021
464-6003,	464-6007,	465-6004,	465-6559,	466-6043,	466-6178
467-6009,	467-6106,	467-6109,	467-6173,	467-6183,	467-6224
467-6363,	496-6004,	496-6005,	496-6006,	496-6007,	496-6008
502-6001,	506-6002,	506-6011,	506-6038,	506-6039,	506-6042
506-6043,	508-6001,	512-6025,	530-6005,	533-6001,	536-6002
540-6001,	540-6006,	540-6016,	542-6001,	544-6001,	544-6003
644-6001,	644-6002,	644-6004,	644-6068,	644-6076,	658-6061
662-6063,	662-6095,	666-6018,	666-6030,	666-6102,	666-6306
666-6321,	672-6007,	672-6009,	672-6010,	677-6001,	677-6007
760-6001,	3077-6001,	3077-6011,	3077-6042,	3077-6075	

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

ADDED THE FOLLOWING BID ITEMS:

104-6001, 105-6135, 132-6004, 132-6030, 169-6001, 432-6032
466-6165, 466-6181, 466-6184, 467-6158, 496-6031, 545-6002
560-6007, 644-6051, 647-6001, 668-6080, 3088-6001, 3088-6002
3088-6007

DELETED THE FOLLOWING BID ITEMS:

104-6017, 105-6008, 105-6036, 132-6027, 169-6002, 465-6008
466-6171, 467-6157, 467-6244, 467-6249, 467-6251, 644-6027
644-6070, 668-6030, 677-6008, 677-6012

*****GENERAL NOTES*****

SHEET A : REVISED BASIS OF ESTIMATE
SHEET G: MILESTONE 1 WORKING DAYS UNDER ITEM 8
SHEET F: ADDED 5 WORKING DAY LANGUAGE
SHEET H: MILESTONE 2 WORKING DAYS UNDER ITEM 8
SHEET J: THE WHOLE SECTION OF ITEM 132
SHEET K: THE ENDING OF THE SECTION OF ITEM 132

*****PLAN SHEETS*****

SHEET 2 (INDEX OF SHEETS): ADDED SHEETS 86A AND 86B
SHEET 34 THRU 42 (PROPOSED TYPICAL SECTIONS): 4 TOPSOIL ADDED TO TYPICAL
SHEET 43 (PROPOSED TYPICAL SECTIONS): 4 TOPSOIL ADDED TO TYPICAL SECTION
AND MILL AND OVERLAY DETAIL ADDED
SHEET 47 (GENERAL NOTES): REVISED BASIS OF ESTIMATE
SHEET 47A (GENERAL NOTES): NOTES SHIFTED DUE TO CHANGES
SHEET 47B (GENERAL NOTES): ADDED 5 WORKING DAY LANGUAGE
SHEET 47C (GENERAL NOTES): REVISED WORKING DAYS FOR MILESTONES 1 AND 2
SHEET 47D (GENERAL NOTES): REVISED ITEM 132 NOTES
SHEET 47E (GENERAL NOTES): CONTINUATION OF REVISED ITEM 132 NOTES
SHEET 47F (GENERAL NOTES): NOTES SHIFTED DUE TO CHANGES
SHEET 47G (GENERAL NOTES): NOTES SHIFTED DUE TO CHANGES
SHEET 47H (GENERAL NOTES): NOTES SHIFTED DUE TO CHANGES
SHEET 47I (GENERAL NOTES): NOTES SHIFTED DUE TO CHANGES
SHEET 47J (GENERAL NOTES): NOTES SHIFTED DUE TO CHANGES
SHEET 47K (GENERAL NOTES): NOTES SHIFTED DUE TO CHANGES
SHEET 48 (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48A (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48B (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48C (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48D (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48E (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48F (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48G (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48H (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 48I (ESTIMATE AND QUANTITY SHEET): UPDATED QUANTITIES
SHEET 49 THRU 86 (SUMMARY OF QUANTITIES): UPDATED QUANTITIES
SHEET 86A AND 86B (SUMMARY OF QUANTITIES): UPDATED QUANTITIES
SHEET 87 THRU 91 (SUMMARY OF QUANTITIES): UPDATED QUANTITIES

SHEET 92 THRU 94 (SUMMARY OF DRIVEWAYS): UPDATED QUANTITIES
DESCRIPTION OF ABOVE CHANGES (CONTINUED)
(INCLUDING PLANS SHEET CHANGES)

SHEET 96 (SUMMARY OF MAILBOXED): UPDATED QUANTITIES
SHEET 561 THRU 571 (REMOVAL LAYOUT): REVISED CALLOUTS
SHEET 572 (REMOVAL LAYOUT): DRIVEWAY REMOVAL CALLOUT ADDED
SHEET 580 THRU 582 (REMOVAL LAYOUT): DRIVEWAY REMOVAL CALLOUT REVISED
SHEET 588 (REMOVAL LAYOUT): DRIVEWAY REMOVAL CALLOUT REVISED
SHEET 592 THRU 594 (REMOVAL LAYOUT): DRIVEWAY REMOVAL CALLOUT REVISED
SHEET 597 THRU 601 (REMOVAL LAYOUT): DRIVEWAY REMOVAL CALLOUT REVISED
SHEET 604 (REMOVAL LAYOUT): DRIVEWAY REMOVAL CALLOUT REVISED
SHEET 608 AND 609 (REMOVAL LAYOUT): DRIVEWAY REMOVALS ADDED
SHEET 648 (ROADWAY PLAN & PROFILE): REVISED CALLOUT AND TEXT
SHEET 651 THRU 653 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 655 (ROADWAY PLAN & PROFILE): REVISED CALLOUTS AND QUANTITIES
SHEET 656 (ROADWAY PLAN & PROFILE): REVISED CALLOUTS AND LEADERS
SHEET 662 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 667 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 670 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 672 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 674 (ROADWAY PLAN & PROFILE): REVISED CALLOUTS AND QUANTITIES
SHEET 676 (ROADWAY PLAN & PROFILE): REVISED CALLOUTS AND QUANTITIES
SHEET 679 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 681 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 682 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 683 (ROADWAY PLAN & PROFILE): REVISED CALLOUTS AND QUANTITIES
SHEET 684 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 686 (ROADWAY PLAN & PROFILE): REVISED CALLOUT AND QUANTITIES
SHEET 687 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES AND ADDED CALLOUTS
SHEET 691 (ROADWAY PLAN & PROFILE): REVISED QUANTITIES
SHEET 701 (ROADWAY PLAN & PROFILE): UPDATED PROFILE STATION
SHEET 712 (ROADWAY PLAN & PROFILE): UPDATED QUANTITY
SHEET 714 (ROADWAY PLAN & PROFILE): CALLOUTS MOVED
SHEET 717 AND 718 (ROADWAY PLAN & PROFILE): CALLOUTS ADDED
SHEET 723 (ROADWAY PLAN & PROFILE): CALLOUT MOVED
SHEET 724 (ROADWAY PLAN & PROFILE): REVISED CALLOUT AND PROFILE TEXT
SHEET 726 (ROADWAY PLAN & PROFILE): CALLOUT MOVED AND QUANTITY CHANGED
SHEET 727 AND 728 (ROADWAY PLAN & PROFILE): TURNED OFF A LEVEL
SHEET 731 AND 732 (FM 39 EEX RAMP PLAN & PROFILE): REVISED CALLOUTS AND
QUANTITIES
SHEET 741 (FM 39 NORTH ZULCH PLAN & PROFILE): ADDED MAILBOX RELOCATE
CALLOUT
SHEET 742 (FM 39 BYPASS PLAN & PROFILE): ADDED MAILBOX RELOCATE CALLOUTS
SHEET 744 (FM 39 BYPASS PLAN & PROFILE): ADDED MAILBOX RELOCATE CALLOUT
SHEET 750 (CROSS STREET PLAN & PROFILE): SHIFTED PROFILE VIEW
SHEET 889 (CULVERT LAYOUTS): CALLOUT REVISION
SHEET 891 (CULVERT LAYOUTS): ADDED DIMENSIONS
SHEET 894 (CULVERT LAYOUTS): CALLOUT REVISION
SHEET 926 (CULVERT LAYOUTS): DISPLAY REVISION
SHEET 942 (INTERNAL DRAINAGE AREA MAPS): ADDED CALLOUTS
SHEET 951 (INTERNAL DRAINAGE AREA MAPS): CALLOUT REVISION
SHEET 1247 (SUMMARY OF LARGE SIGNS): QUANTITY REVISION
SHEET 1357 (SW3P PHASE 01): QUANTITY REVISION

SHEET 1361 (SW3P PHASE 01): QUANTITY REVISION
SHEET 1363 AND 1364 (SW3P PHASE 01): QUANTITY REVISION
SHEET 1368 AND 1369 (SW3P PHASE 01): QUANTITY REVISION
SHEET 1389 (SW3P PHASE 01): QUANTITY REVISION
DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

SHEET 1396 (SW3P PHASE 01): QUANTITY REVISION
SHEET 1411 (SW3P PHASE 02): DISPLAY REVISION
SHEET 1413 (SW3P PHASE 02): DISPLAY REVISION
SHEET 1415 AND 1416 (SW3P PHASE 02): DISPLAY REVISION
SHEET 1419 THRU 1422 (SW3P PHASE 02): DISPLAY REVISION
SHEET 1424 AND 1425 (SW3P PHASE 02): DISPLAY REVISION
SHEET 1427 THRU 1430 (SW3P PHASE 02): DISPLAY REVISION
SHEET 1464 (SW3P PHASE 03): REVISED QUANTITY
SHEET 1474 (SW3P PHASE 03): DISPLAY REVISION
SHEET 1476 (SW3P PHASE 03): DISPLAY REVISION
SHEET 1545 (SUMMARY OF QUANTITIES): UPDATED QUANTITIES
SHEET 1557 (ROADWAY PLAN & PROFILE): DELETE SET CALLOUT

SHEET NO. DESCRIPTION

GENERAL

1	TITLE SHEET
2-5	INDEX OF SHEETS
6	PROJECT LOCATION MAP
7-30	PROJECT LAYOUT
31-33	EXISTING TYPICAL SECTIONS
34-46	PROPOSED TYPICAL SECTIONS
47, 47A-47L	GENERAL NOTES
48, 48A-48I	ESTIMATE & QUANTITY SHEET
49-86	SUMMARY OF QUANTITIES
86A-86B	SUMMARY OF QUANTITIES
87-91	SUMMARY OF QUANTITIES
92-94	SUMMARY OF DRIVEWAYS
95	SUMMARY OF CROSS STREET DRAINAGE QUANTITIES
96	SUMMARY OF MAILBOXES
TRAFFIC CONTROL PLAN	
97-99	TCP NARRATIVE
100-111	ADVANCED WARNING SIGN LAYOUT
112-125	TCP TYPICAL SECTIONS
126-220	TCP PHASE 1 STEP 1
221-313	TCP PHASE 1 STEP 2
314	TEMPORARY PAVEMENT PHASE 1 STEP 2
315-320	TCP PHASE 1 STEP 3
321-408	TCP PHASE 2 STEP 1
409-460	TCP PHASE 2 STEP 2
461-513	TCP PHASE 3
514-516	TCP PHASE 4 STEP 1
517-532	TCP PHASE 4 STEP 2
533	FM 39 BRIDGE RECONSTRUCTION FULL CLOSURE DETOUR MAP
534	INTERSECTION CONSTRUCTION DETAILS
535	TYPICAL TRAFFIC CONTROL - ONE LANE WITH FLAGGER
536	TYPICAL TRAFFIC CONTROL - TRAFFIC SHIFTS 2-LANE ROADWAY
537	TRAFFIC CONTROL PLAN CUTTING AND RESTORING PAVEMENT DETAILS

TRAFFIC CONTROL STANDARDS

538-549	* BC(1)-21 THRU BC(12)-21
550	* TCP(2-2)-18
551	* TCP(2-3)-23
552	* TCP(3-1)-13
553	* TCP(3-3)-14
554	* TCP(S-1)-08A
555	* WZ(BRK)-13
556	* WZ(RCD)-13
557	* WZ(RS)-22
558	* WZ(STPM)-23
559	* WZ(UL)-13
560	* TREATMENT FOR VARIOUS EDGE CONDITIONS

SHEET NO. DESCRIPTION

ROADWAY DETAILS

561-609	REMOVAL LAYOUT
610-619	HORIZONTAL AND VERTICAL CONTROL INDEX SHEET
620-629	HORIZONTAL AND VERTICAL CONTROL DETAIL SHEET
630-640	HORIZONTAL ALIGNMENT DATA
641	SUPERELEVATION DATA
642-730	ROADWAY PLAN & PROFILE
731-732	FM 39 EEX RAMP PLAN & PROFILE
733-734	FM 39 EEN RAMP PLAN & PROFILE
735-736	FM 39 WEN RAMP PLAN & PROFILE
737-738	FM 39 WEX RAMP PLAN & PROFILE
739-741	FM 39 NORTH ZULCH PLAN & PROFILE
742-745	FM 39 BYPASS PLAN & PROFILE
746-763	CROSS STREET PLAN & PROFILE
764-772	GRADING LAYOUT
773-775	CONCRETE MEDIAN DETAILS
776	ROADWAY DETAILS
777	RAISED MEDIAN DETAIL
778	DRIVEWAY DETAILS

ROADWAY STANDARDS

779	# GF(31)-19
780	# GF(31)DAT-19
781-782	# GF(31)TR TL3-20
783	# GF(31)MS-19
784-786	# SRG(TL-3)-21
787	# BED-14
787A	# SGT(15)31-20
788	# SGT(13S)31-18
789	# TE(HMAC)-11
790	# CCCG-22
791	# WF(1)-10
792	# RAIL-ADJ(A)-19
793	# HOT MIX LONGITUDINAL JOINT DETAILS

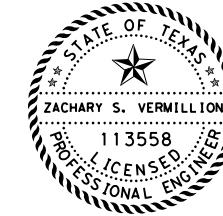
RETAINING WALL

794	FM 39 RETAINING WALL KEY MAP
795	FM 39 RETAINING WALLS HORIZ ALIGNMENT DATA
796	FM 39 RETAINING WALL 1 PLAN & PROFILE
797	FM 39 RETAINING WALL 2 PLAN & PROFILE
798	FM 39 RETAINING WALL 3 PLAN & PROFILE
799-800	FM 39 RETAINING WALL 4 PLAN & PROFILE
801	RETAINING WALL AESTHETIC DETAILS

RETAINING WALL STANDARDS

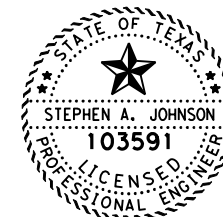
802	\ RW(EM)
803	RW(MSE)DD (MOD)
804-805	\ RW(MSE)
806	\ RW(TRF)

NO.	DATE	REVISION	APPROV
2	10/25/24	SHEETS ADDED	SAJ



THE STANDARD SHEETS SPECIFICALLY IDENTIFIED WITH AN ASTERISK (*), HAVE BEEN SELECTED BY ME, OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Zachary S. Vermillion, P.E. 6/21/2024
ZACHARY VERMILLION DATE



THE STANDARD SHEETS SPECIFICALLY IDENTIFIED WITH AN NUMBER/POUND (#), HAVE BEEN SELECTED BY ME, OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Stephen A. Johnson, P.E. 6/21/2024
STEPHEN A. JOHNSON DATE



THE STANDARD SHEETS SPECIFICALLY IDENTIFIED WITH AN BACK SLASH (\), HAVE BEEN SELECTED BY ME, OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Alvaro J. Lopez, P.E. 6/21/2024
ALVARO J. LOPEZ DATE

Stephen A. Johnson, P.E. 6/21/2024

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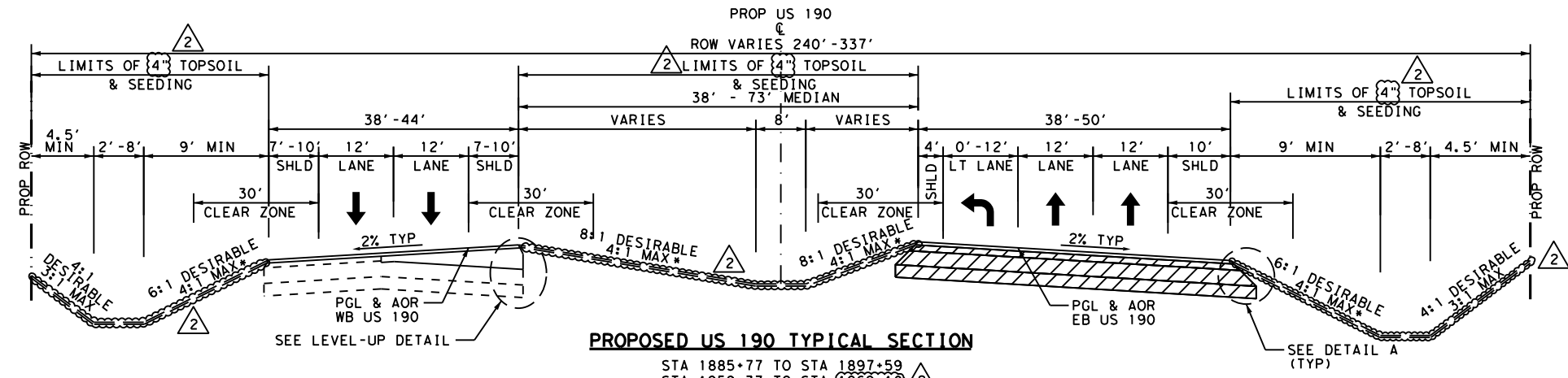
US 190

INDEX OF SHEETS

SHEET 1 OF 4			
FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		2
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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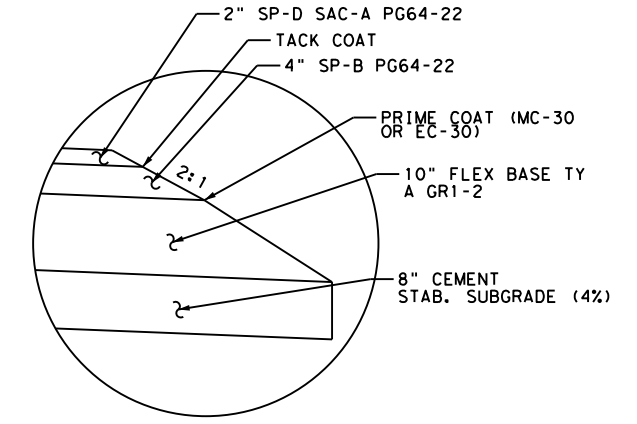
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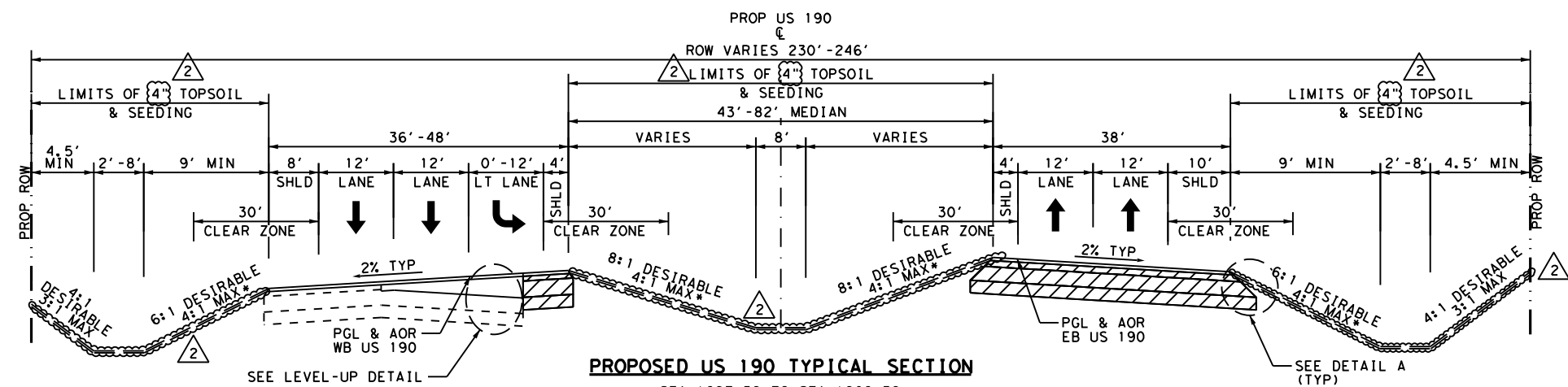
PROPOSED US 190 TYPICAL SECTION

STA 1885+77 TO STA 1897+59
 STA 1959+37 TO STA 1969+10
 STA 2007+70 TO STA 2018+82
 STA 2048+82 TO STA 2059+45
 STA 2648+50 TO STA 2649+50
 STA 2650+60 TO STA 2657+96
 STA 2658+69 TO STA 2660+00
 STA 2672+99 TO STA 2676+52
 STA 2677+27 TO STA 2684+50

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



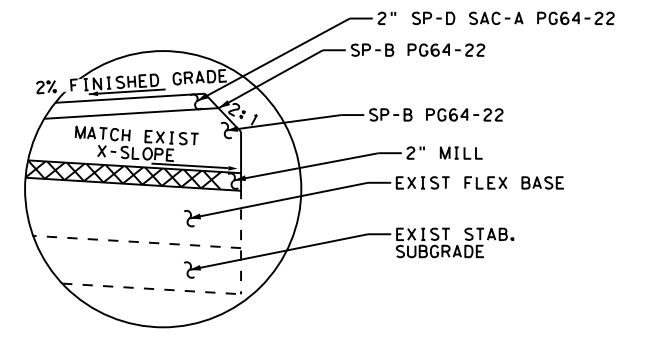
DETAIL A
NTS



PROPOSED US 190 TYPICAL SECTION

STA 1897+59 TO STA 1908+59
 STA 2018+82 TO STA 2025+34
 STA 2026+68 TO STA 2030+03
 STA 2059+45 TO STA 2070+98
 STA 2660+00 TO STA 2670+91

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



LEVEL-UP DETAIL
NTS

N. T. S.

STATE OF TEXAS
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/21/2024

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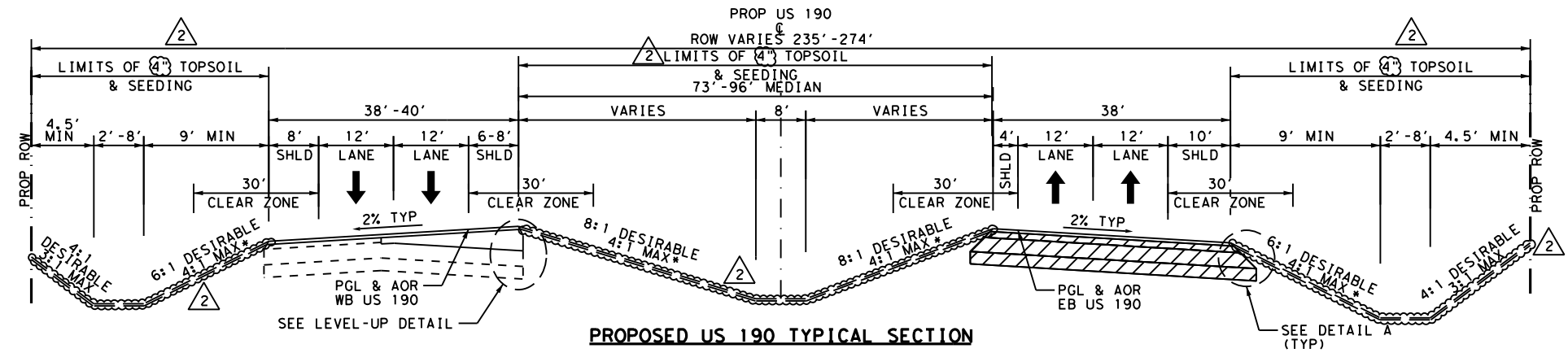
US 190
PROPOSED TYPICAL SECTIONS

SHEET 1 OF 13

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	34
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

NO.	DATE	TYP SEC REVISIONS	SAJ
2	10/25/24	TYP SEC REVISIONS	SAJ
		REVISION	APPROV

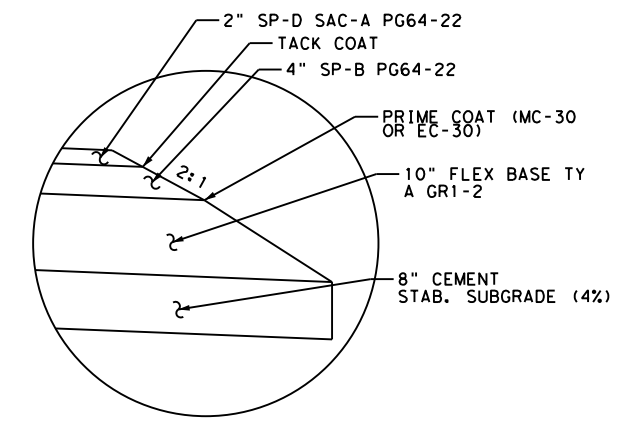
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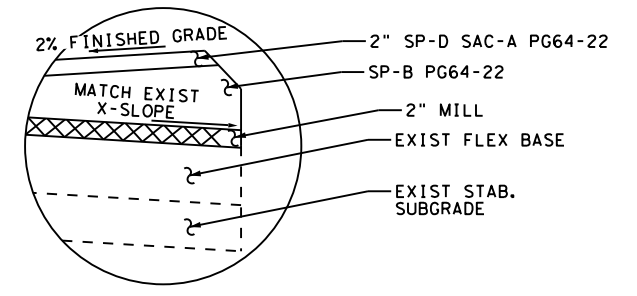
PROPOSED US 190 TYPICAL SECTION

- STA 1908+59 TO STA 1926+69
- STA 1927+81 TO STA 1959+37
- STA 2030+03 TO STA 2033+09
- STA 2035+09 TO STA 2039+31
- STA 2040+93 TO STA 2048+82
- STA 2070+98 TO STA 2100+81
- STA 2628+00 TO STA 2630+87
- STA 2631+95 TO STA 2648+50
- STA 2670+91 TO STA 2672+99
- STA 2684+50 TO STA 2698+17
- STA 2699+23 TO STA 2714+55

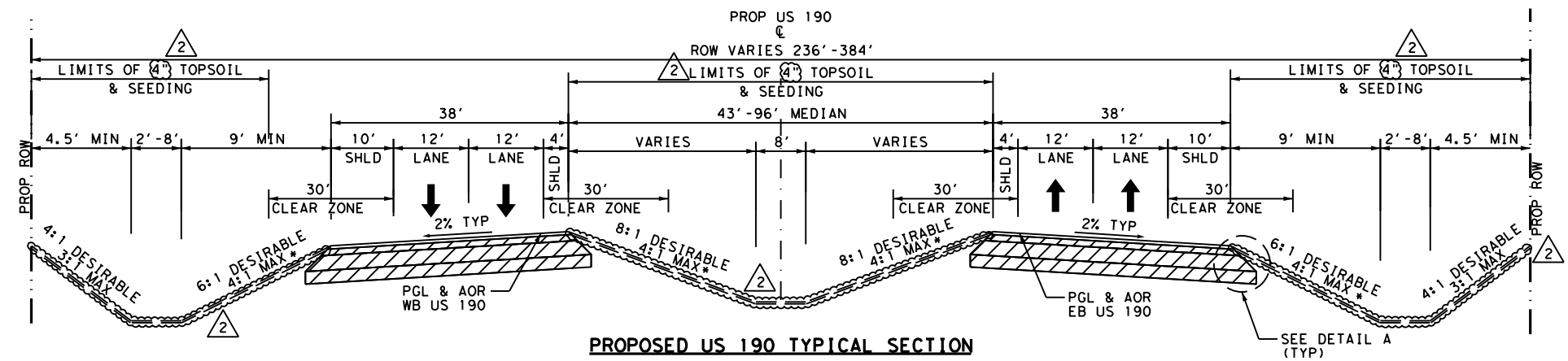
* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



DETAIL A
 NTS



LEVEL-UP DETAIL
 NTS



PROPOSED US 190 TYPICAL SECTION

- STA 1926+69 TO STA 1927+81
- STA 2000+10 TO STA 2007+70
- STA 2033+09 TO STA 2035+09
- STA 2039+31 TO STA 2040+93
- STA 2112+20 TO STA 2117+53
- STA 2144+10 TO STA 2157+00
- STA 2174+73 TO STA 2187+03
- STA 2209+00 TO STA 2225+67
- STA 2248+33 TO STA 2256+11
- STA 2282+65 TO STA 2295+56
- STA 2343+73 TO STA 2354+00
- STA 2381+12 TO STA 2383+62
- STA 2423+00 TO STA 2436+39
- STA 2487+00 TO STA 2496+86
- STA 2526+93 TO STA 2528+50
- STA 2541+21 TO STA 2542+34
- STA 2564+16 TO STA 2575+33
- STA 2592+52 TO STA 2601+61
- STA 2627+04 TO STA 2628+00
- STA 2630+87 TO STA 2631+95
- STA 2698+17 TO STA 2699+23
- STA 2714+55 TO STA 2721+86
- STA 2774+33 TO STA 2775+80
- STA 2777+32 TO STA 2777+72
- STA 2783+54 TO STA 2785+74

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.

N. T. S.

STATE OF TEXAS
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/21/2024

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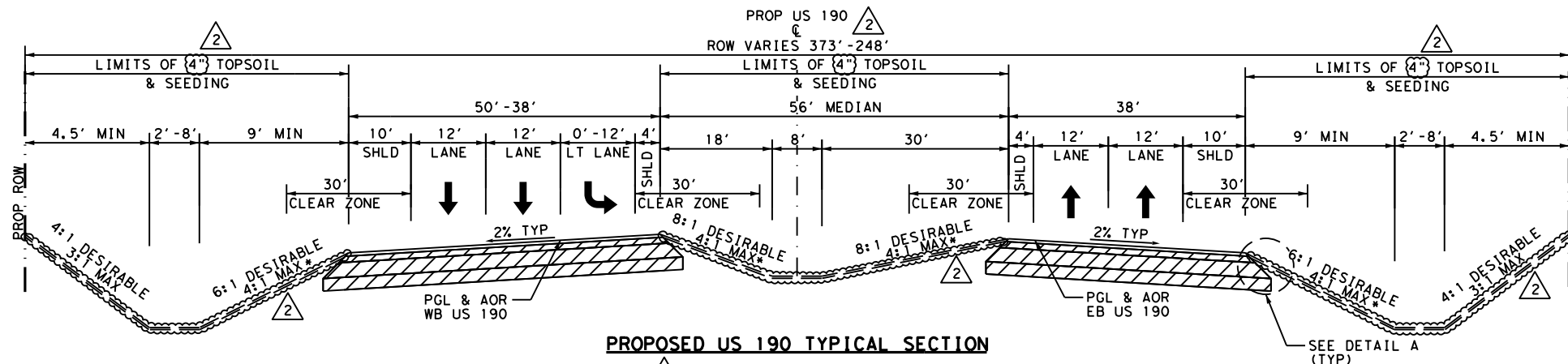
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US 190
PROPOSED TYPICAL SECTIONS

SHEET 2 OF 13		FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
		6	SEE TITLE SHEET	35
STATE	DISTRICT	COUNTY		
TEXAS	BRY	MADISON		
CONTROL	SECTION	JOB	HIGHWAY	
0117	03	024, ETC.	US 190, ETC.	

NO.	DATE	TYP SEC REVISIONS	SAJ
		REVISION	APPROV

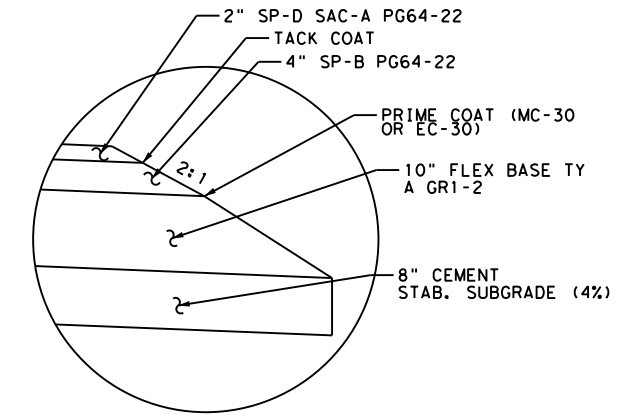
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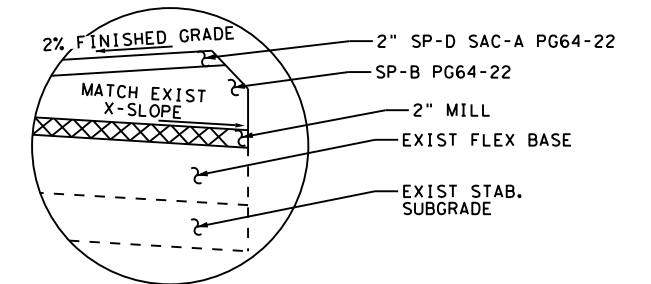
PROPOSED US 190 TYPICAL SECTION

- 1 STA 1969+10 TO STA 1977+80
- 1 STA 2025+34 TO STA 2026+68
- 1 STA 2100+81 TO STA 2112+20
- 1 STA 2237+00 TO STA 2248+33
- 1 STA 2295+56 TO STA 2298+67
- 1 STA 2310+62 TO STA 2311+20
- 1 STA 2321+21 TO STA 2323+00
- 1 STA 2400+40 TO STA 2401+83
- 1 STA 2465+15 TO STA 2465+95
- 1 STA 2511+76 TO STA 2512+55
- 1 STA 2575+33 TO STA 2576+10
- 1 STA 2612+74 TO STA 2613+95
- 1 STA 2721+86 TO STA 2725+54
- 1 STA 2758+87 TO STA 2760+35
- 1 STA 2765+50 TO STA 2767+60

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.

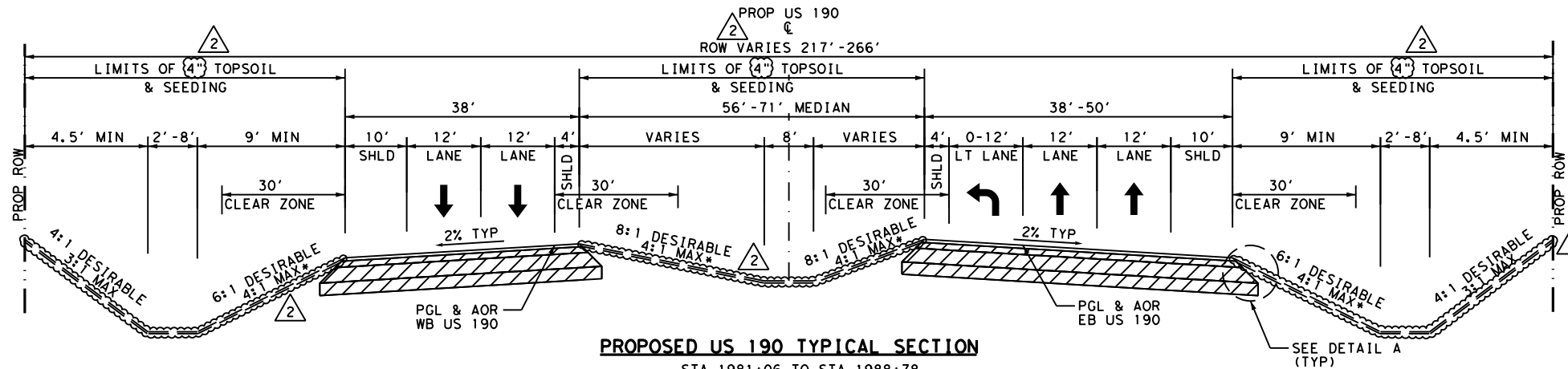


DETAIL A
NTS



LEVEL-UP DETAIL
NTS

N. T. S.



PROPOSED US 190 TYPICAL SECTION

- 1 STA 1981+06 TO STA 1988+78
- 1 STA 2140+22 TO STA 2144+10
- 1 STA 2225+67 TO STA 2237+00
- 1 STA 2320+00 TO STA 2321+21
- 1 STA 2330+46 TO STA 2332+36
- 1 STA 2436+39 TO STA 2439+94
- 1 STA 2450+80 TO STA 2451+56
- 1 STA 2476+65 TO STA 2480+12
- 1 STA 2496+86 TO STA 2500+51
- 1 STA 2523+17 TO STA 2526+93
- 1 STA 2624+28 TO STA 2627+04
- 1 STA 2649+50 TO STA 2650+60
- 1 STA 2657+96 TO STA 2658+69
- 1 STA 2676+52 TO STA 2677+27
- 1 STA 2736+30 TO STA 2737+11
- 1 STA 2777+72 TO STA 2783+54

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.

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 103591
 LICENSED PROFESSIONAL ENGINEER
 6/21/2024

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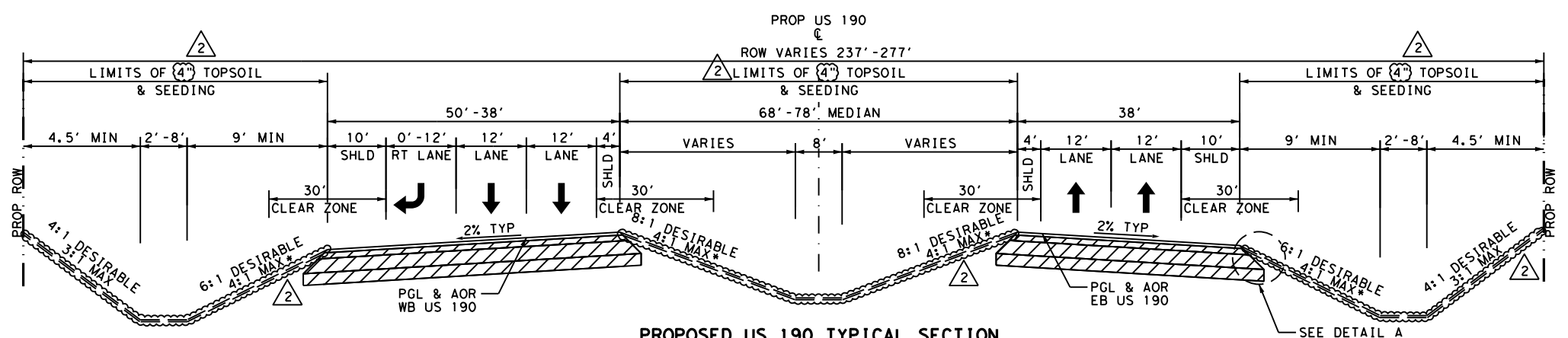
US 190
PROPOSED TYPICAL SECTIONS

SHEET 3 OF 13

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	36
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	TYP SEC REVISIONS	SAJ
		REVISION	

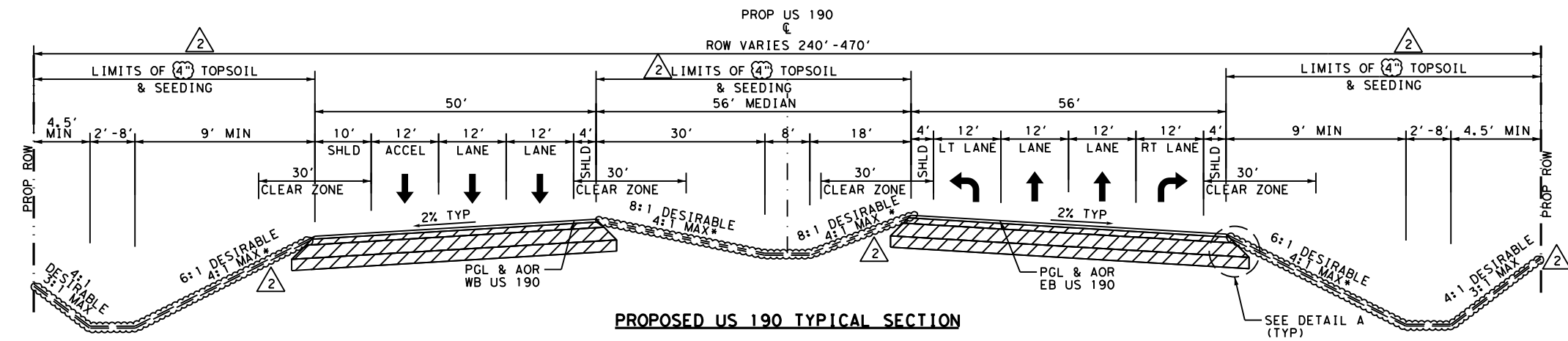
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PROPOSED US 190 TYPICAL SECTION

STA 1988+78 TO STA 2000+10
 STA 2332+36 TO STA 2343+73
 STA 2451+56 TO STA 2454+00
 STA 2737+11 TO STA 2747+35

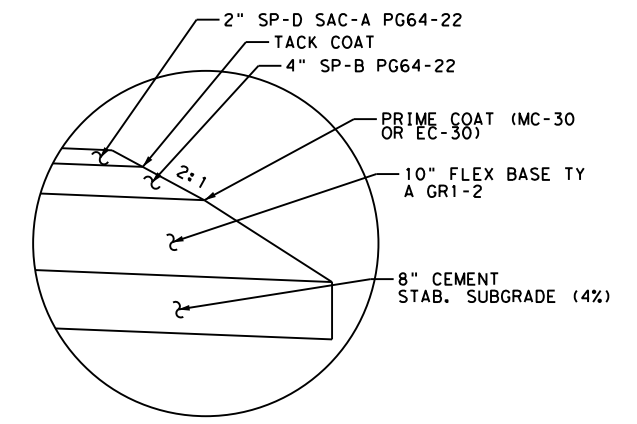
* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



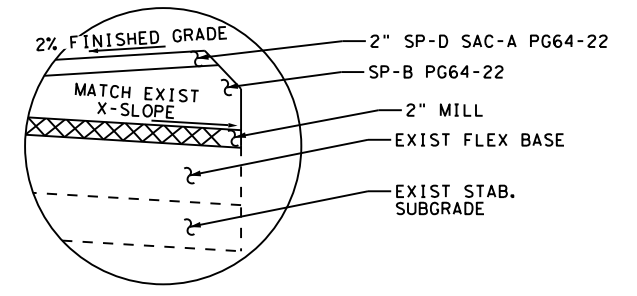
PROPOSED US 190 TYPICAL SECTION

STA 2117+53 TO STA 2128+89

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



DETAIL A
 NTS



LEVEL-UP DETAIL
 NTS

N. T. S.

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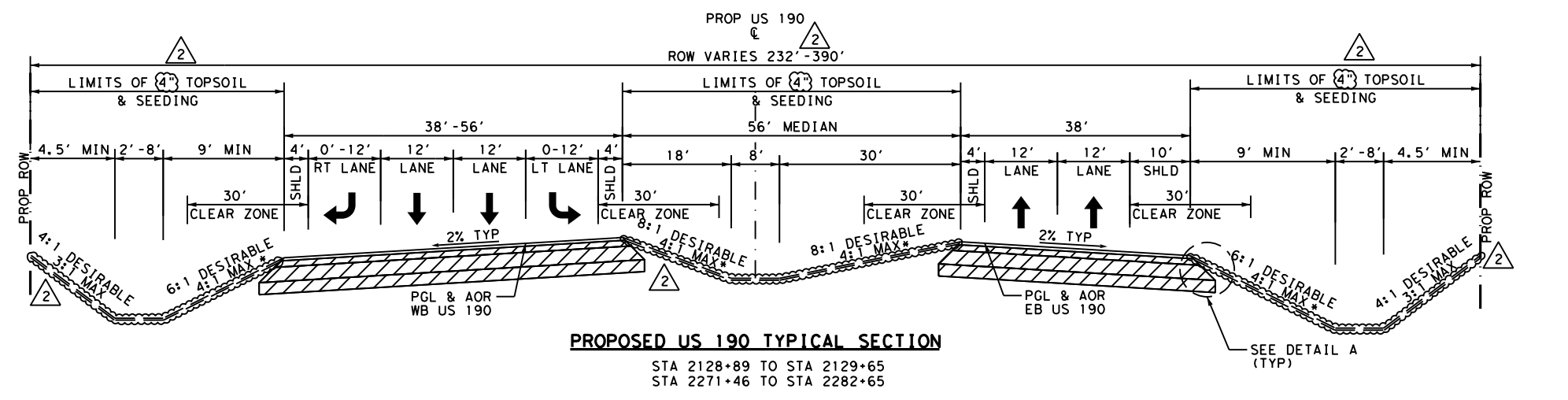
US 190
PROPOSED TYPICAL SECTIONS

SHEET 4 OF 13

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	37
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

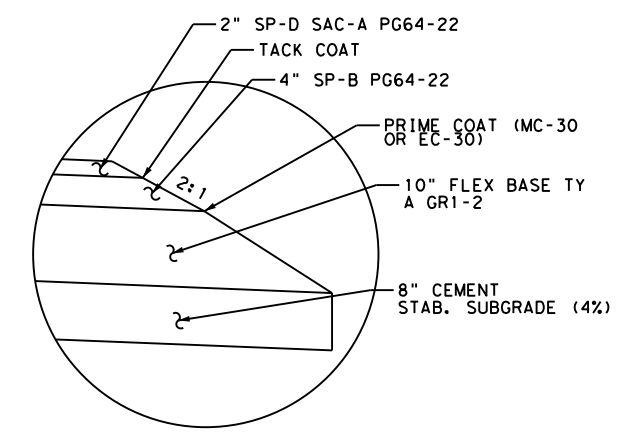
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2	10/25/24	TYP SEC REVISIONS	SAJ
		REVISION	APPROV

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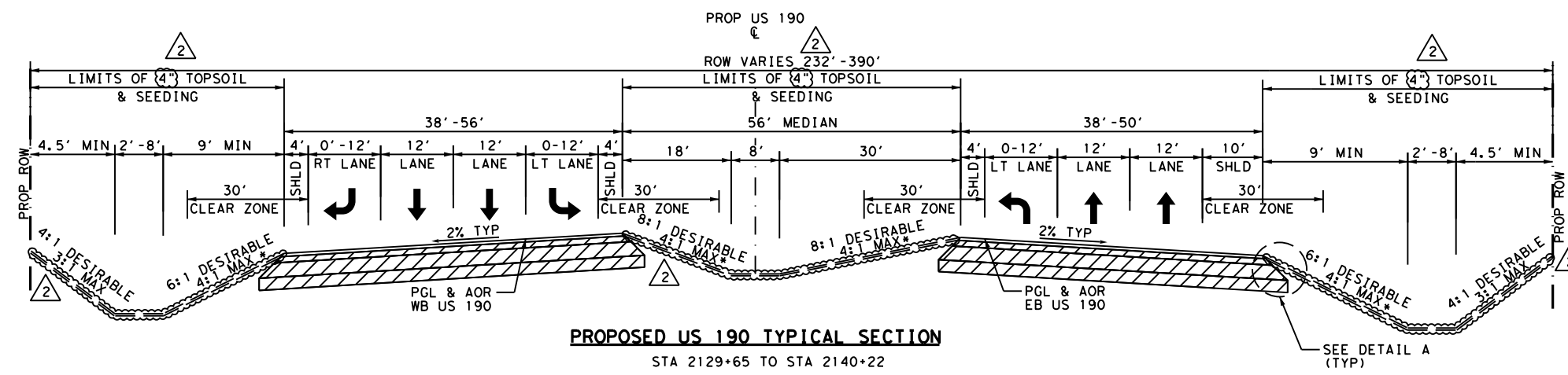


PROPOSED US 190 TYPICAL SECTION
 STA 2128+89 TO STA 2129+65
 STA 2271+46 TO STA 2282+65

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.

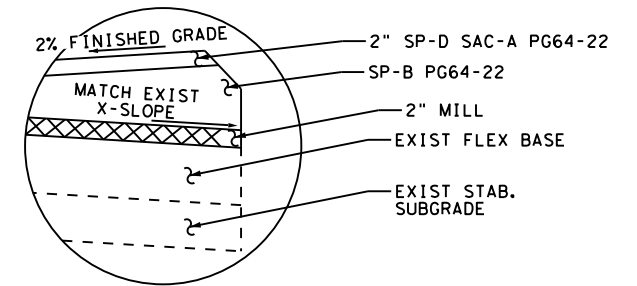


DETAIL A
 NTS



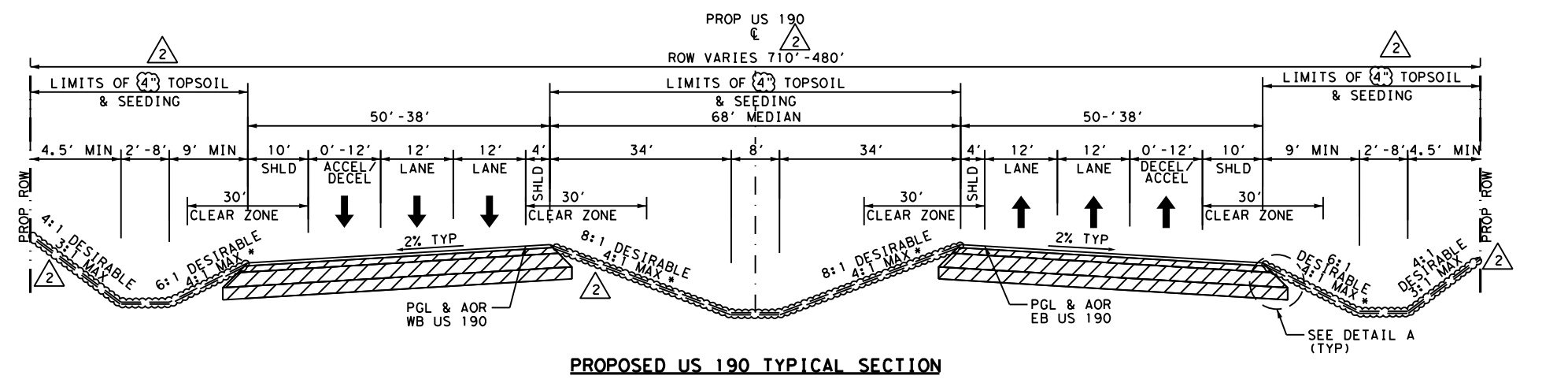
PROPOSED US 190 TYPICAL SECTION
 STA 2129+65 TO STA 2140+22

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



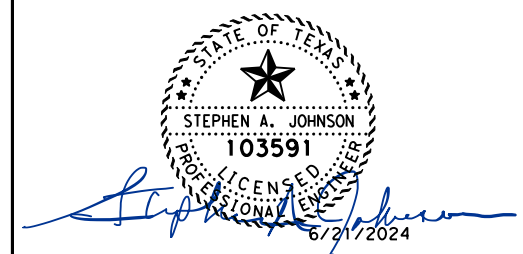
LEVEL-UP DETAIL
 NTS

N. T. S.



PROPOSED US 190 TYPICAL SECTION
 STA 2157+00 TO STA 2174+73
 STA 2187+03 TO STA 2209+00

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



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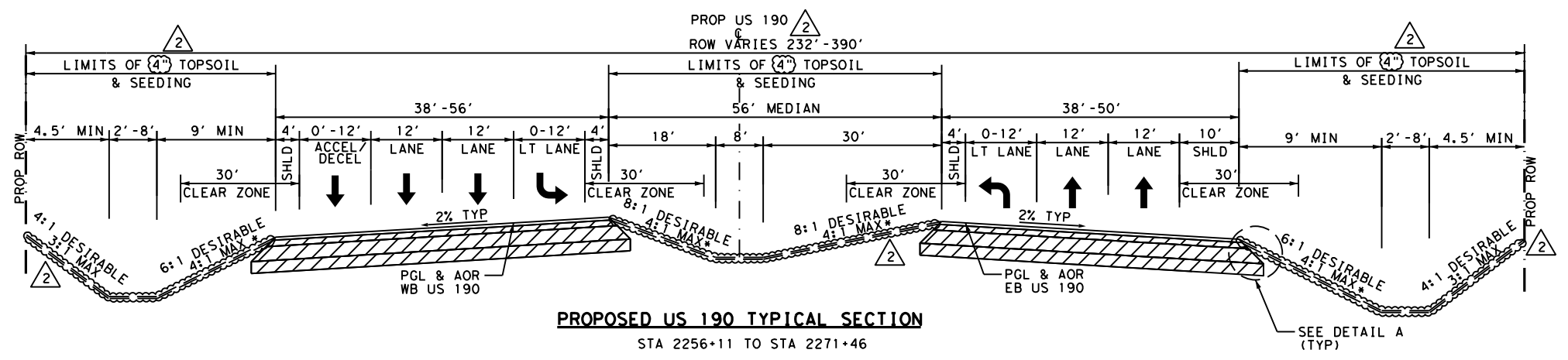


US 190
PROPOSED TYPICAL SECTIONS

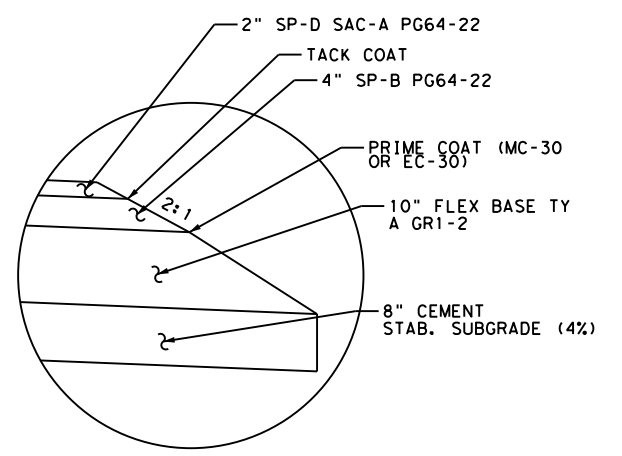
SHEET 5 OF 13		FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
		6	SEE TITLE SHEET	38
STATE	DISTRICT	COUNTY		
TEXAS	BRY	MADISON		
CONTROL	SECTION	JOB	HIGHWAY	
0117	03	024, ETC.	US 190, ETC.	

NO.	DATE	REVISION	APPROV
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		REVISION	APPROV

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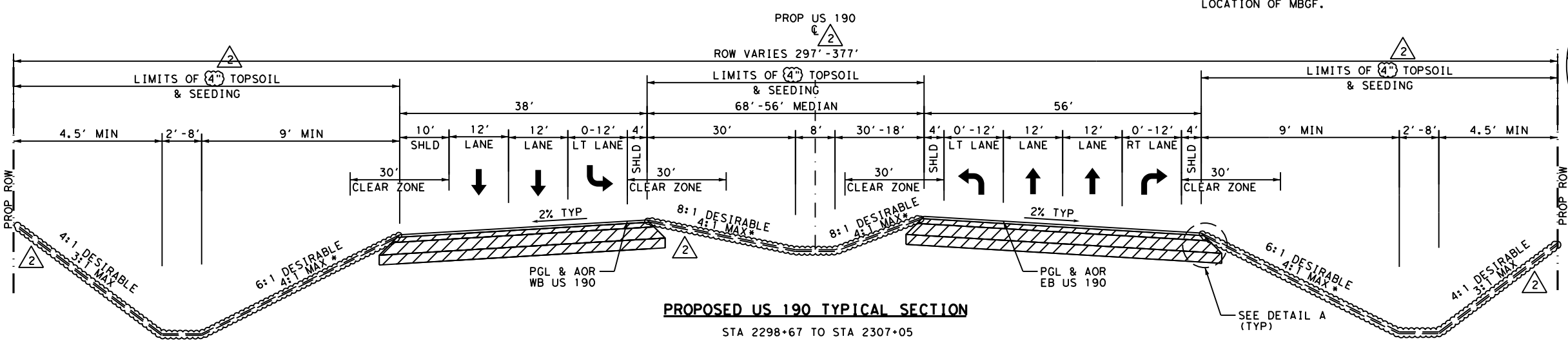


PROPOSED US 190 TYPICAL SECTION
 STA 2256+11 TO STA 2271+46

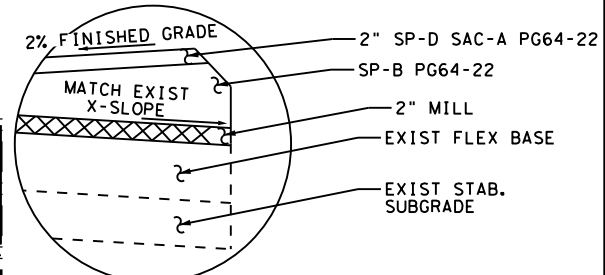


DETAIL A
 NTS

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



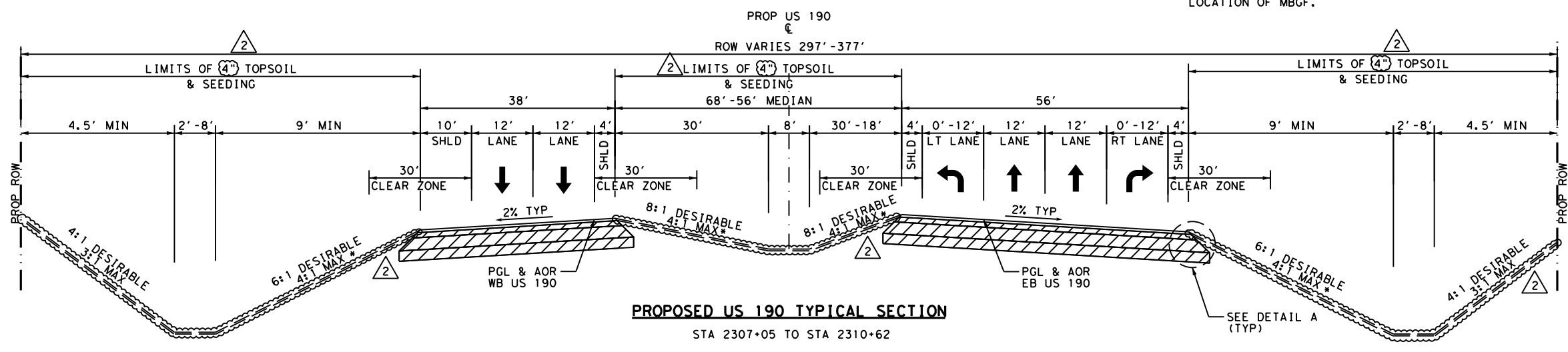
PROPOSED US 190 TYPICAL SECTION
 STA 2298+67 TO STA 2307+05



LEVEL-UP DETAIL
 NTS

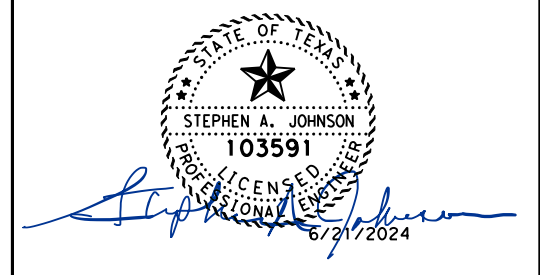
N. T. S.

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



PROPOSED US 190 TYPICAL SECTION
 STA 2307+05 TO STA 2310+62

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



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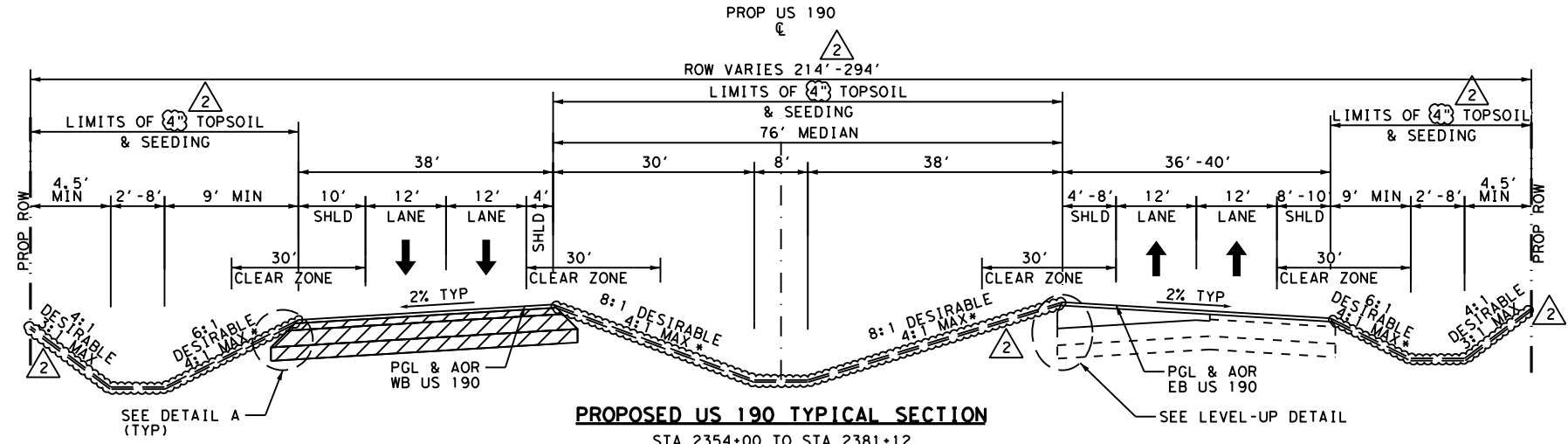
US 190
PROPOSED TYPICAL SECTIONS

SHEET 6 OF 13

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	39
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

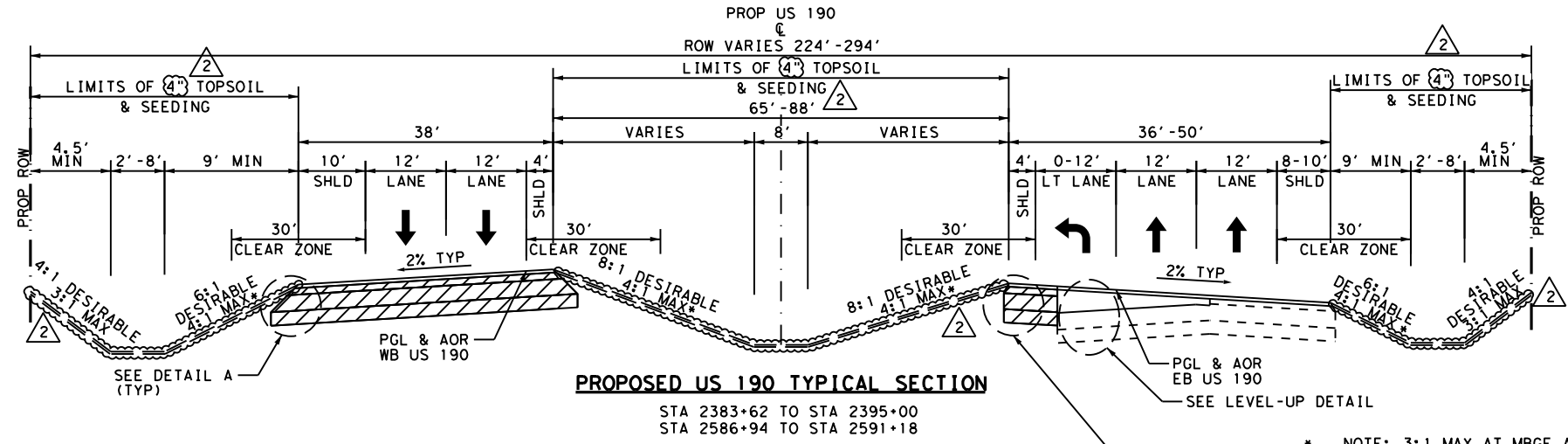
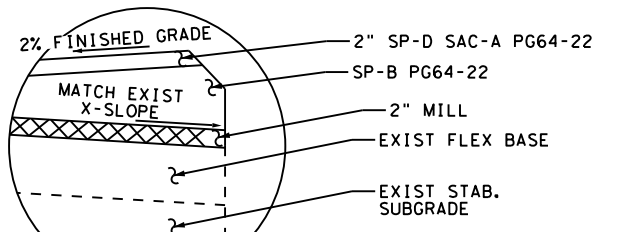
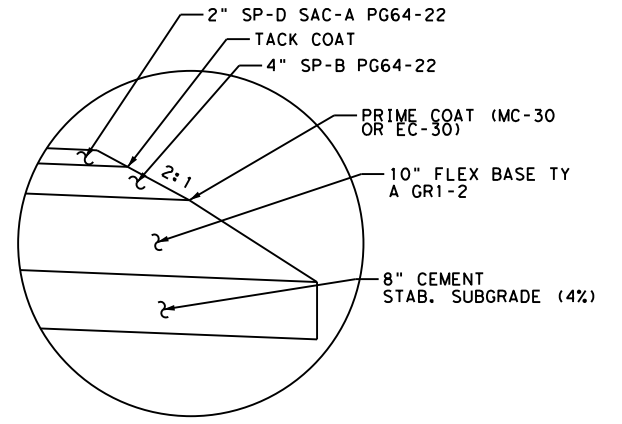
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		REVISION	APPROV

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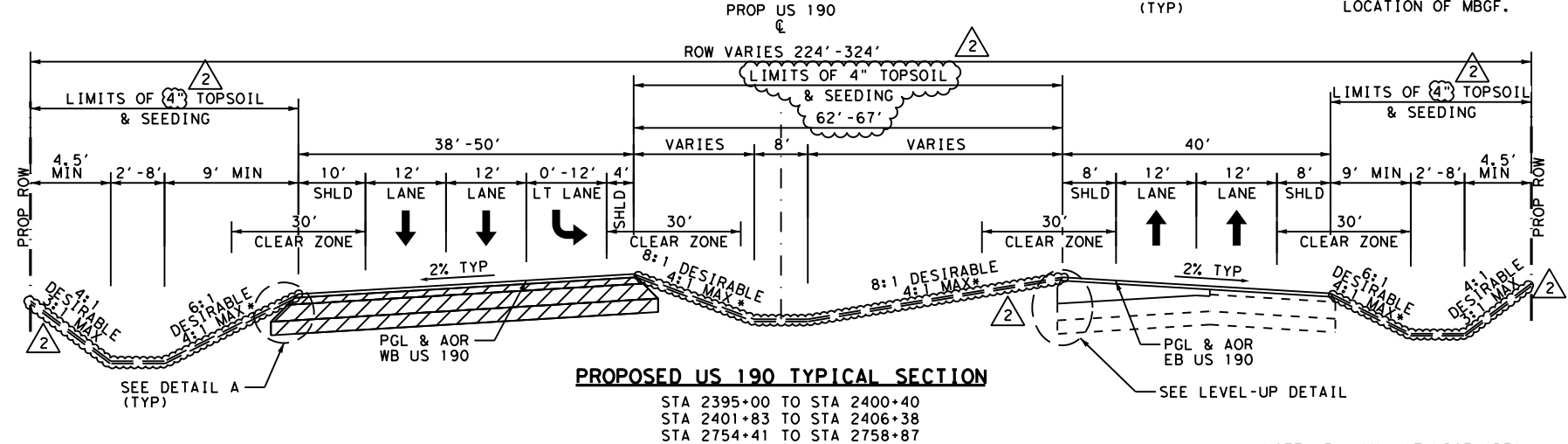
STA 2354+00 TO STA 2381+12
 STA 2406+38 TO STA 2423+00
 STA 2480+12 TO STA 2487+00
 STA 2528+50 TO STA 2541+21
 STA 2542+34 TO STA 2564+16
 STA 2591+18 TO STA 2592+52
 STA 2747+35 TO STA 2754+41
 STA 2770+01 TO STA 2774+33
 STA 2775+80 TO STA 2777+32

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



STA 2383+62 TO STA 2395+00
 STA 2586+94 TO STA 2591+18

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



STA 2395+00 TO STA 2400+40
 STA 2401+83 TO STA 2406+38
 STA 2754+41 TO STA 2758+87
 STA 2760+35 TO STA 2765+50
 STA 2767+60 TO STA 2770+01

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.

STATE OF TEXAS
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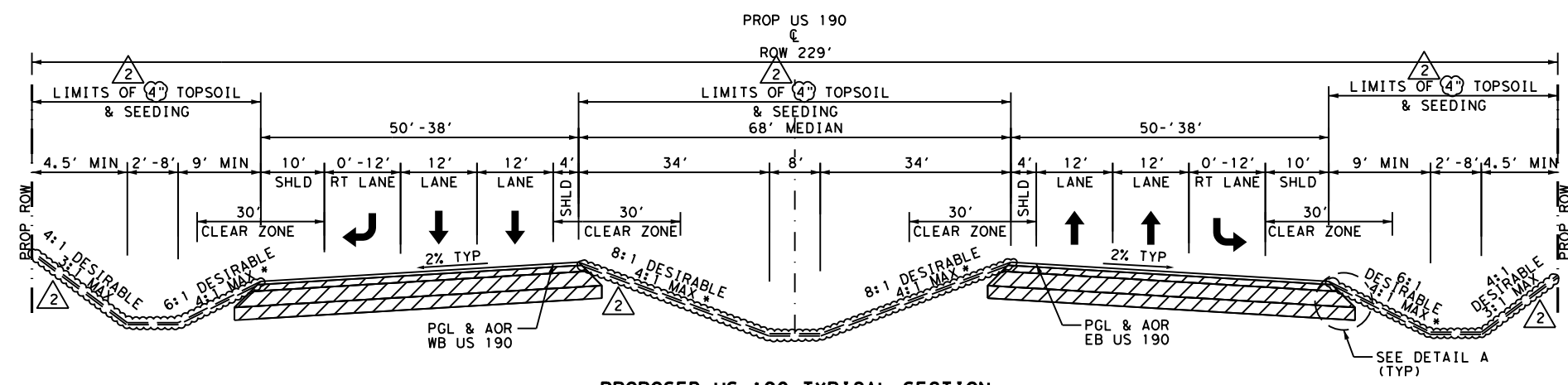
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US 190
 PROPOSED TYPICAL SECTIONS
 SHEET 7 OF 13

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	40
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

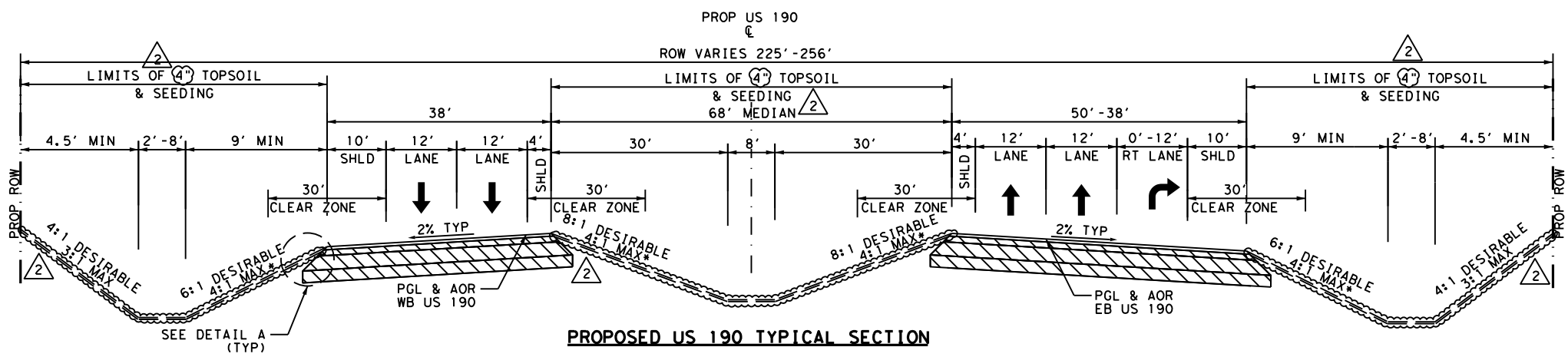
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		REVISION	

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PROPOSED US 190 TYPICAL SECTION
 STA 2454+00 TO STA 2462+60

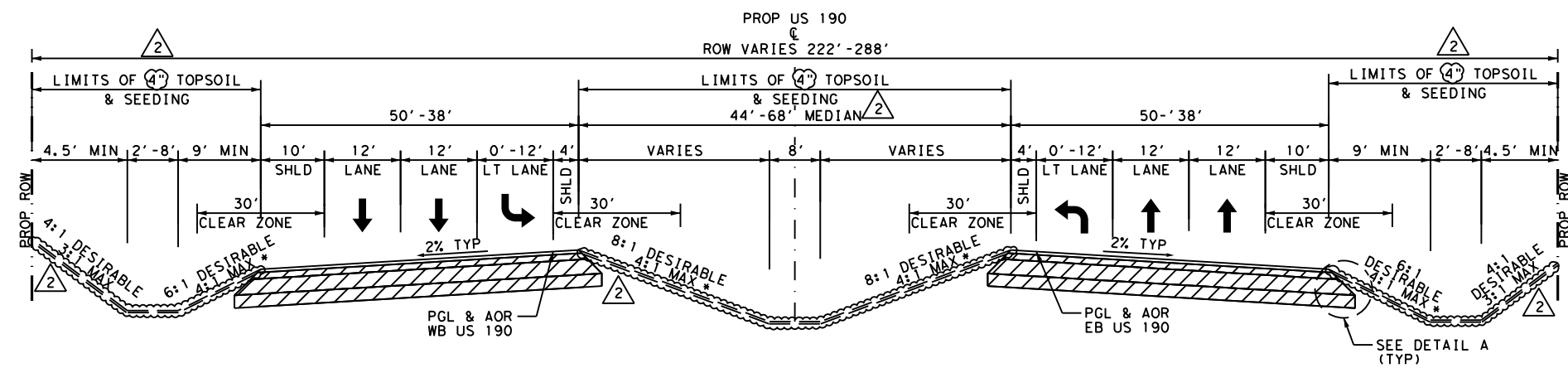
* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



PROPOSED US 190 TYPICAL SECTION

STA 2462+60 TO STA 2465+15
 STA 2508+33 TO STA 2511+76
 STA 2601+61 TO STA 2612+74

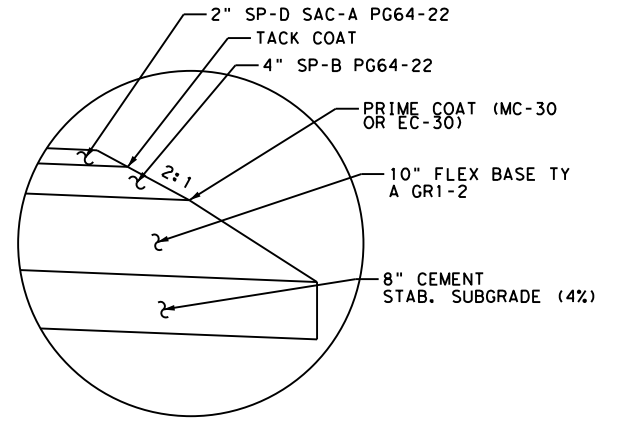
* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



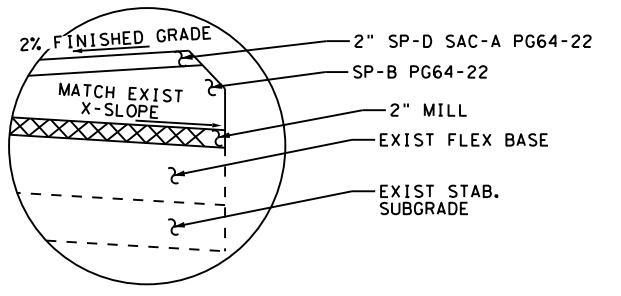
PROPOSED US 190 TYPICAL SECTION

STA 1977+80 TO STA 1981+06
 STA 2311+20 TO STA 2320+00
 STA 2323+00 TO STA 2330+46
 STA 2439+94 TO STA 2450+80
 STA 2465+95 TO STA 2476+65
 STA 2512+55 TO STA 2523+17
 STA 2576+10 TO STA 2579+08
 STA 2613+95 TO STA 2624+28
 STA 2725+54 TO STA 2736+30

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



DETAIL A
 NTS



LEVEL-UP DETAIL
 NTS

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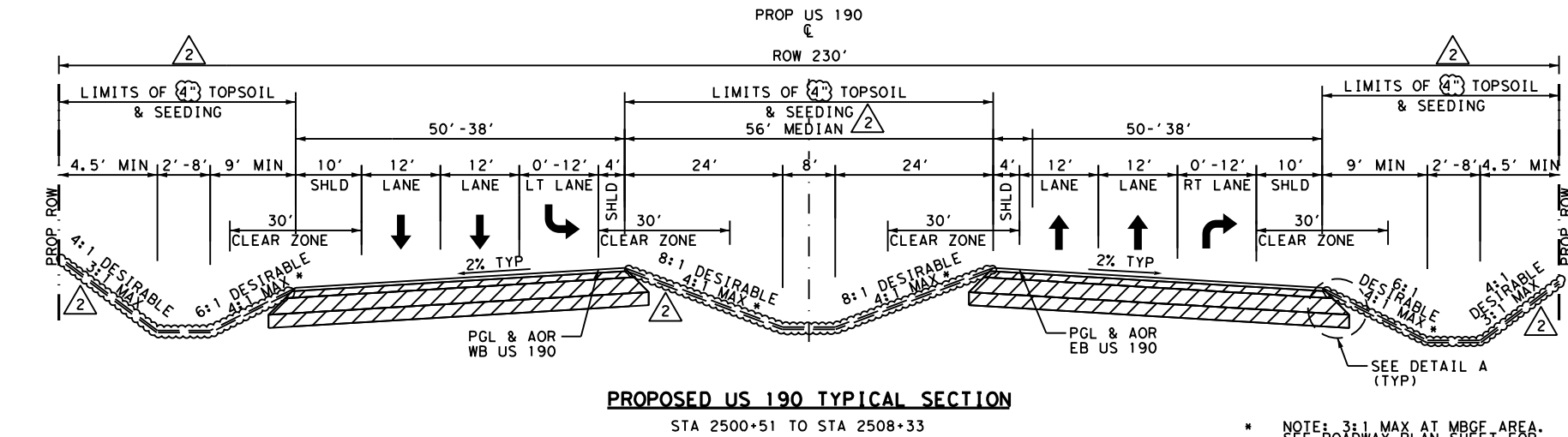


US 190
PROPOSED TYPICAL SECTIONS

SHEET 8 OF 13		FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
		6	SEE TITLE SHEET	41
STATE	DISTRICT	COUNTY		
TEXAS	BRY	MADISON		
CONTROL	SECTION	JOB	HIGHWAY	
0117	03	024, ETC.	US 190, ETC.	

NO.	DATE	REVISION	APPROV
2	10/25/24	TYP SEC REVISIONS	SAJ

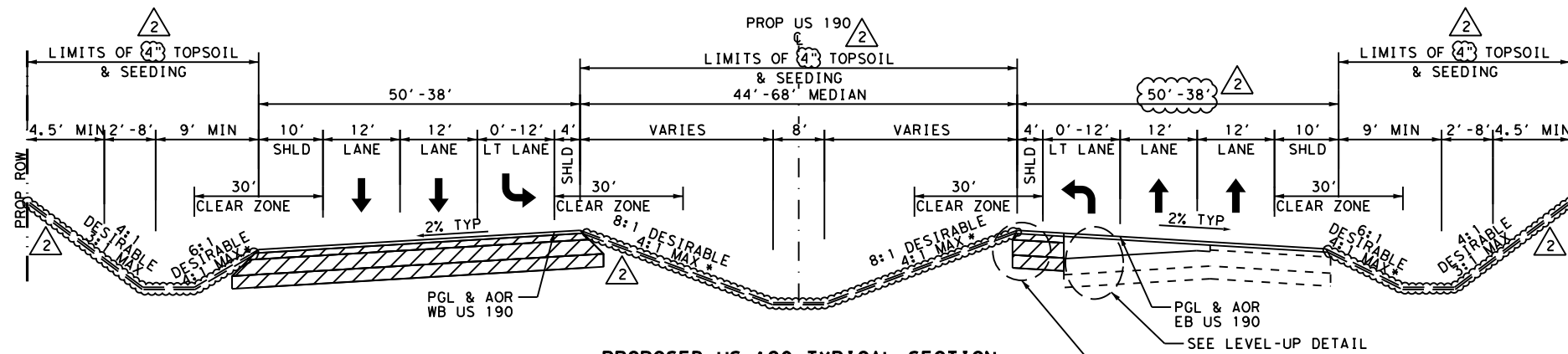
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PROPOSED US 190 TYPICAL SECTION

STA 2500+51 TO STA 2508+33

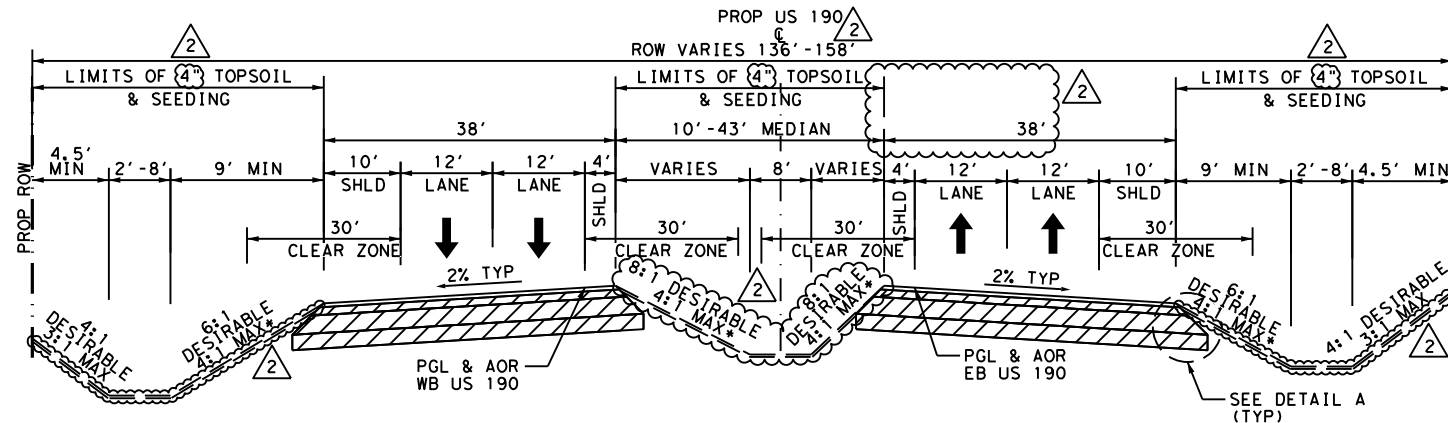
* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



PROPOSED US 190 TYPICAL SECTION

STA 2579+07 TO STA 2586+94

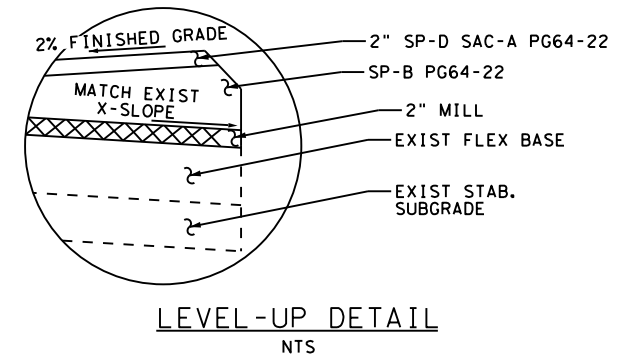
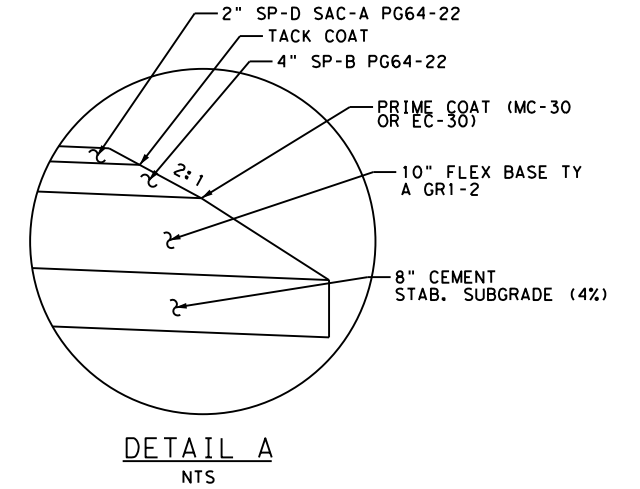
* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



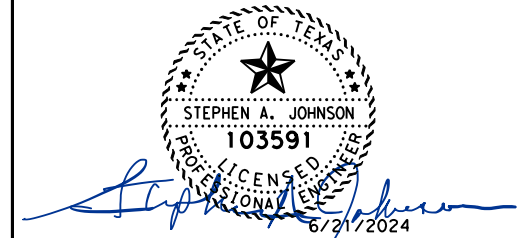
PROPOSED US 190 TYPICAL SECTION

STA 2785+74 TO STA 2789+55

* NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.



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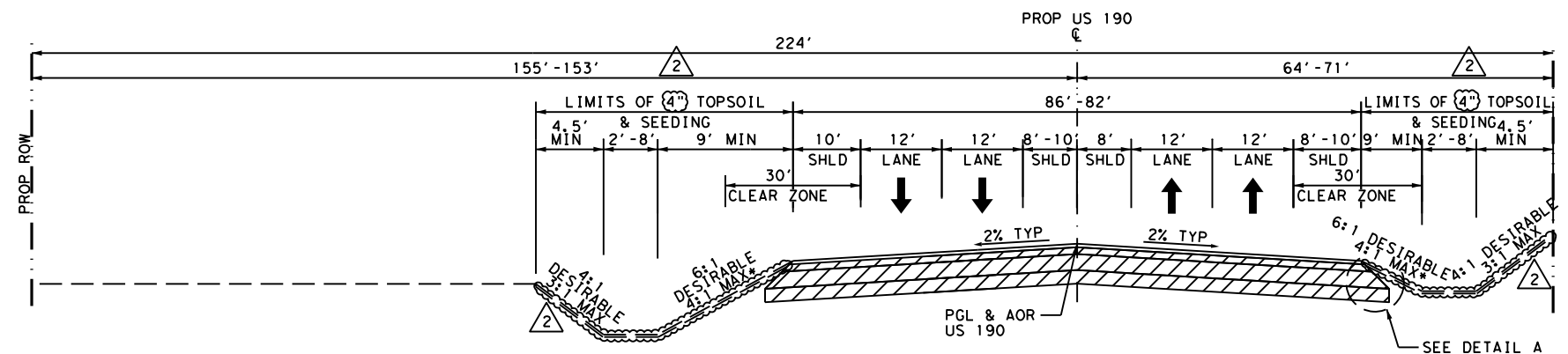
US 190
PROPOSED TYPICAL SECTIONS

SHEET 9 OF 13

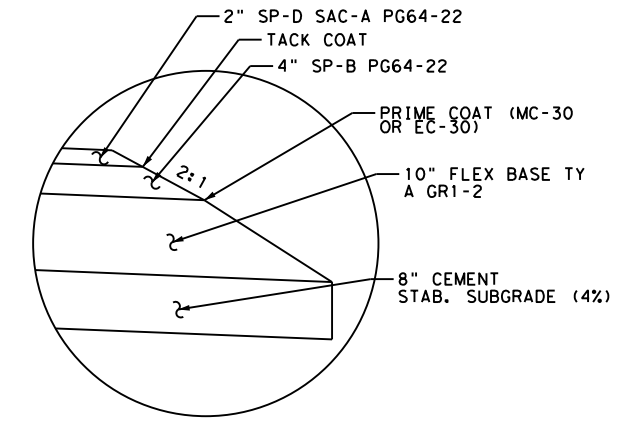
FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	42
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

NO.	DATE	TYP SEC REVISIONS	SAJ
2	10/25/24	TYP SEC REVISIONS	SAJ
		REVISION	APPROV

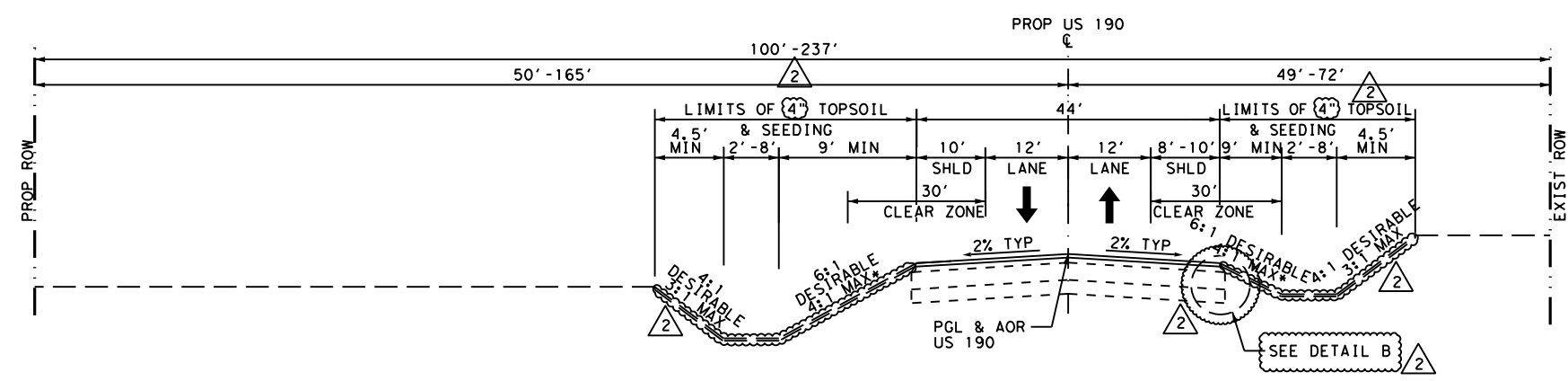
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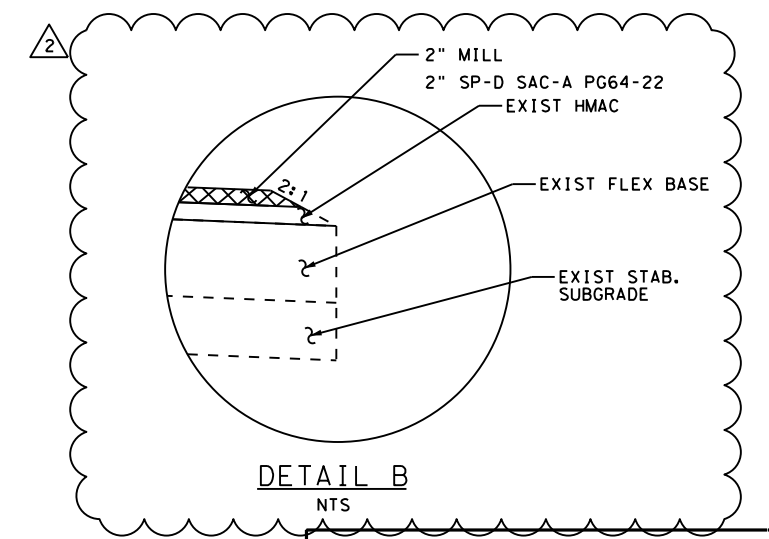
PROPOSED US 190 TYPICAL SECTION * NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.
 STA 2789+55 TO STA 2795+00



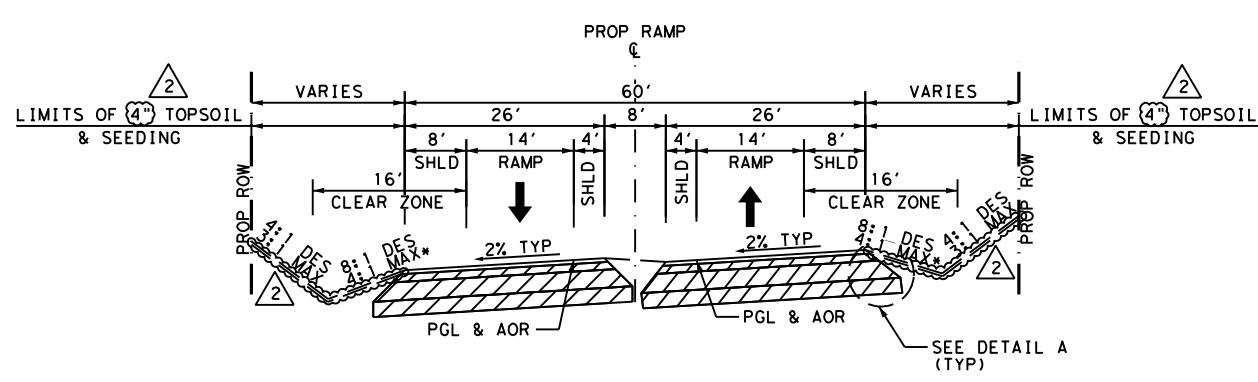
DETAIL A
 NTS



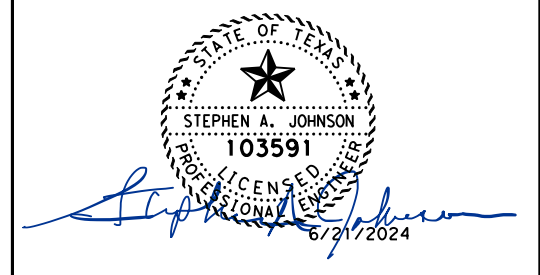
PROPOSED US 190 TYPICAL SECTION * NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.
 STA 2795+00 TO STA 2813+63



DETAIL B
 NTS



PROPOSED US 190 RAMPS TYPICAL SECTION * NOTE: 3:1 MAX AT MBGF AREA. SEE ROADWAY PLAN SHEET FOR LOCATION OF MBGF.
 R_FM39_WEN STA 2174+70.22 TO 2187+50.64
 R_FM39_WEX STA 2170+43.62 TO 2182+26.18
 R_FM39_EEX STA 2177+44.98 TO 2188+87.59
 R_FM39_EEN STA 2173+74.08 TO 2183+69.44



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US 190
PROPOSED TYPICAL SECTIONS

SHEET 10 OF 13

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		43
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	TYP SEC REVISIONS	SAJ

Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

BASIS OF ESTIMATE					
ITEM	DESCRIPTION	COURSE	RATE	AMOUNT	QUANTITY
168	Vegetative Watering		.025 MG/SY	3,626,040 SY	90,626 MG
275	Cement	Subgrade	85 TON/SY	806,920 SY	9,520 TON
310	Asphalt (MC 30 or EC-30)	Prime	0.20 GAL/SY	764,355 SY	152,871 GAL
316	Asphalt (RC-250)	Prime	0.25 GAL/SY	45,288 SY	11,322 GAL
316	Aggregate (TY-PB GR-5 or TY-PL GR-5 SAC-A)	Prime	1 CY/135 SY	43,470 SY	322 CY
316	Aggregate (TY-PB GR 4 or TY-PL GR-4 SAC-A)	1 ST /2 ND	1 CY/125 SY	12,625 SY	101 CY
3077	SP MIXES SP-B PG64-22 (NEW PAVEMENT)	2 ND	110 LB/SY	2,899,491 SY	159,472 TON
3077	SP MIXES SP-B PG64-22 (LEVEL-UP)	2 ND	110 LB/SY	396,727 SY	21,820 TON
3077	SP MIXES SP-D SAC-A PG64-22	1 ST	110 LB/SY	1,777,872 SY	97,783 TON
3077	TACK COAT	1 ST /2 ND	0.06 GAL/SY	892,267 SY	53,536 GAL
3088	CEMENT	BASE	0.0039 TON/SY	24,320 SY	95 TON
3088	ASPHALT BINDER (PG64-22)	BASE	0.00936 TON/SY	24,320 SY	228 TON

BASIS OF ESTIMATE					
ITEM	DESCRIPTION	COURSE	RATE	AMOUNT	QUANTITY
316*	Asphalt (AC20-5TR OR AC12-5TR)		0.38 GAL/SY	12,195 SY	4,634 GAL
316*	AGGREGATE (TY-B GR-5 OR TY-L GR-5)		1 CY/135 SY	44,820 SY	332 CY

Note: *Rates are for estimating purposes only. Actual Rates will be determined in the field.

Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

GENERAL:

Contractor questions on this project are to be addressed to the following individuals:

Delmy Reyes, P.E., A.E., Delmy.Reyes@txdot.gov
 Matt Hensarling, P.E., A.A.E., Matt.Hensarling@txdot.gov

Questions may be submitted via the Letting Pre-Bid Q&A web page. This webpage can be accessed from the Notice to Contractors dashboard located at the following Address: <https://tableau.txdot.gov/views/ProjectInformationDashboard/NoticetoContractors>

All contractor questions will be reviewed by the Engineer. All questions and any corresponding responses that are generated will be posted through the same Letting Pre-Bid Q&A web page.

The Letting Pre-Bid Q&A web page for each project can be accessed by using the dashboard to navigate to the project you are interested in by scrolling or filtering the dashboard using the controls on the left. Hover over the blue hyperlink for the project you want to view the Q&A for and click on the link in the window that pops up.

For non-bridge items, send eligible shop plan submittals with PDF attachments directly to the reviewing office. Submit bridge, retaining wall, and structural item shop drawings following the directions described at <https://www.txdot.gov/business/resources/highway/bridge/shop-drawing-submittal-cycle.html>

For items with aesthetic treatments, shop drawings also require approval of the District Landscape Architect.

The Contractor is not allowed to work within the Waters of the US (WOTUS) areas, as shown on the plans, until an approved permit is received, and permission is granted from the Engineer. It shall be the responsibility of the Contractor to restore any areas within the delineated WOTUS to their pre-existing condition. This includes removal of any temporary structures, fills, SW3P measures, materials, or any other items necessary to construct the project. Any temporary impacts to the WOTUS shall be kept to a minimum and fully restored and approved by the Engineer, and in accordance with any WOTUS or USACE permit requirements.

ITEM 2 “INSTRUCTIONS TO BIDDERS”

Proposals with a bid of more than 1273 working days or less than 941 working days for the substantial completion of the project will be considered non-responsive.

Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

ITEM 5 “CONTROL OF THE WORK”

Prior to letting, earthwork construction cross-section data is available at the Area Engineer’s office in *Huntsville* for inspection by prospective bidders.

Earthwork files will be provided through the Letting Pre-Bid Q&A website when requested. <https://tableau.txdot.gov/views/ProjectInformationDashboard/NoticetoContractors>
These cross-sections are for non-construction purposes only, and it is the responsibility of the prospective bidder to validate the data for this project.

After letting, the Engineer will provide final earthwork construction cross-section data necessary for the contractor to establish and control the work.

When a precast or cast-in-place concrete element is included in the plans, a precast concrete alternate may be submitted in accordance with “Standard Operating Procedure for Alternate Precast Proposal Submission” found online at <https://www.txdot.gov/business/resources/highway/bridge/bridge-publications.html#design>. Acceptance or denial of an alternate is at the sole discretion of the Engineer. Impacts to the project schedule and any additional costs resulting from the use of alternates are the sole responsibility of the Contractor.

After award of the contract, when requested, TxDOT will provide CADD files to the selected Contractor. The recipient acknowledges that the electronic files may not contain all the information and may differ from the Bid Documents or Contract Documents for the construction of the Project. Electronic files are provided for information only and the TxDOT Bryan District shall not be responsible for differences between Electronic Files, the Bid Documents, and Contract Documents. The CADD files provided are a graphical representation of the project; the CADD data may not be 100% accurate and should not be used for dimensional control, shop drawings, or any other similar purpose. Any electronic files provided are strictly for the use of the Recipient in regard to the Project named above and shall not be used for any other purpose or provided by the Recipient to any other entity.

ITEM 6 “CONTROL OF MATERIALS”

To comply with the latest provisions of Build America, Buy America Act (BABA Act) of the Bipartisan Infrastructure Law, the contractor must submit an original of the TxDOT Construction Material Buy America Certification Form for all items classified as construction materials. This form is not required for materials classified as a manufactured product.

Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

Refer to the Buy America Material Classification Sheet for clarification on material categorization. The Buy America Material Classification Sheet is located at the below link. <https://www.txdot.gov/business/resources/materials/buy-america-material-classification-sheet.html> for clarification on material categorization.

ITEM 7 “LEGAL RELATIONS AND RESPONSIBILITIES”

State contract mowers will mow the right of way during the growing season. The Contractor will be notified by the Engineer one week in advance of the anticipated time when mowers will be in the limits of the project. Clean the right of way to such a condition that allows the mowing contractors to safely mow.

In accordance with Item 7.2.5, Contractor equipment equipped with blue warning lights shall be wired so that operation of blue lights is independent of any other lights.

Whenever bridge construction or milling / paving operations reduces the under clearance of a roadway at a bridge underpass, the Contractor shall be required to inform the Bryan Oversized Permit office a minimum of 2 weeks prior to these operations by email with the specific bridge information including the presumed minimum clearance under the bridge when hanging beams (minus the standard 3 inch buffer), the date(s) which beams are to be hung, the direction(s) of the roadway(s) affected, and the mile point of the bridge where work is being performed. When milling / paving operations increase the elevation of the under passing roadway, the Contractor shall inform the Bryan Oversized Permit office a minimum of 7 days prior to performing milling / paving operations.

In the event of the declaration of a hurricane watch, warning, other severe weather warning or national or state emergency that requires the roadways in the vicinity be used as evacuation routes, cease all work that requires the Contractor’s, sub-contractors’ or material suppliers’ vehicles to enter the stream of traffic on these primary or secondary evacuation routes. This work includes material hauling and delivery, and mobilization or demobilization of equipment.

The following roadways are recognized hurricane evacuation routes in the Bryan District:

Primary Evacuation Routes: IH 45, US 77 (S of US 79), US 84 (E of IH 45), US 79, US 287, US 290, SH 6.

Secondary Evacuation Routes: US 190 (E of IH 45), SH 7, SH 21, SH 30 (SH 6 to IH 45), SH 36, SH 105 (E of SH 6).



Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

Other routes may be designated.

Roadway closures during the following key dates and/or special events are prohibited:

- Day before and day of Texas A&M home football games
 - Day before and day of:
 - SH6 in Brazos/Grimes/Robertson County
 - US 190 in Robertson/Brazos County
 - SH 21 in Brazos County
 - SH30 in Brazos County
 - SH40
 - SH47
 - FM2818
 - FM60
 - BS6R (Texas Ave in Bryan/College Station)
 - FM2347
 - FM2154 (north of SH40)
 - Day of:
 - FM 1179
 - FM158
 - SH308
- Texas A&M graduation
- Texas A&M Family Weekend

The Engineer may decide to restrict construction operations or lane closures on these key dates and/or special events.

FOR WORK IN PROXIMITY TO THE RAILROAD;

Fiber optic cable systems may be buried on the Railroad's property. Protection of the fiber optic cable systems is of extreme importance since any break could disrupt service to users resulting in business interruption and loss of revenue and profits. It is the Contractor's responsibility to utilize the contact information provided below to determine if fiber optic cable is buried anywhere on the Railroad's premises to be used by the State. If it is, the Contractor will telephone the telecommunications company(ies) involved, arrange for a cable locator, and make arrangements for relocation or other protection of the fiber optic cable prior to beginning any work on the Railroad's premises.

It is the Contractor's responsibility to contact, five working days before any work is performed, the RR at the contact information listed below to determine if fiber optic or other type of cable is buried in the general location where work is to be performed. In the event such cable is present,

Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

the Contractor then calls the owner of the fiber optic or cable line to determine its exact location. The State shall indemnify and hold harmless the Railroad against any cost or claims arising out of damage to any cable, but only to the extent such damage is caused by negligence of the State and/or its Contractor.

For 24/7 support of all requests for fiber optic locates along BNSF rights of way:
email: tim.huya@bnsf.com
Call Center Phone: 1-877-315-0513

ITEM 8 "PROSECUTION AND PROGRESS"

No more than 2 miles of non-surfaced roadway will be allowed at any time. The Engineer may consider extending the 2-mile limit or allow alternating 2-mile sections of concurrent work, only if the Contractor can demonstrate adequate workforce, equipment, material deliveries, work plan, and quality of work sufficient to handle the longer work zones. If the 2 miles of non-surfaced roadway are extended by the Engineer in writing, this will not exempt the Contractor from not exceeding the 5 minute delay and any additional signing/traffic control will be considered subsidiary to Item 502, Barricades, Signs, and Traffic Handling. If, in the opinion of the Engineer, the Contractor fails to adequately progress or protect the work, or minimize disruption to traffic, the 2-mile limit may be reduced, as directed. There will be no additional compensation to the Contractor for the non-surfaced roadway limit being reduced.

At the end of each work day, remove all grade differentials transverse to centerline. See TREATMENT FOR VARIOUS EDGE CONDITIONS sheet for details.

By noon of each Wednesday, provide the Engineer a written outline of the daily work schedule for the following week. Include in the outline the times and places for proposed traffic control changes, lane and shoulder closures, and moving operations or other operations that affect traffic on the roadway. Unless otherwise authorized by the Engineer, prosecute the work on this project as narrated in the TCP Sequence of Work.

Prepare Progress Schedule Critical Path Method (CPM).

Working days will be computed and charged in accordance with Article 8.3.1.1. Five-Day Workweek.

Nighttime work is allowed with the written approval of the Engineer.

Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

Equipment and material may be pre-staged at approved locations. When staging equipment and materials, they shall be marked/protected by type 3 barricades or appropriate TCP standards (includes overnight).

MILESTONE 1: RELIEF ROUTE CONSTRUCTION (TCP PHASE 1, STEP 1)

Milestone 1 is for the completion of all construction of the divided four-lane roadway as required in the Traffic Control Plan, Phase 1 Step 1, for the new location relief route of US 190 around North Zulch.

The road-user cost liquidated damages for Milestone 1 is \$3,303 per day.

Substantially complete Milestone 1 in 443 working days charged in accordance with article 8.3.1.1.

The time for Milestone 1 will begin upon the Work Begin date, which kicks off Phase 1 Step 1 of the traffic control plans.

The time charges for Milestone 1 will end when, in the opinion of the Engineer, the Contractor has completed the following items of work, which define the term “substantially complete”:

- 1) Complete the US 190 mainlane and shoulder paving from approximate Station 2110+00 to approximate Station 2275+00 (the relief route alignment);
- 2) Complete all grading and backfilling along the US 190 mainline including the grading of roadside ditches;
- 3) Complete a construction and installation of all permanent drainage structures within the relief route segment;
- 4) Complete construction of bridge structures as detailed in the US 190 plans;
- 5) Complete placement of temporary pavement markings along US 190 mainlane eastbound roadbed;
- 6) Place temporary or permanent signs necessary for US 190 to be opened to traffic.

The daily incentive rate for substantial completion of Milestone 1 is \$3,303.

The maximum number of working days for computing the Milestone 1 incentive credit is 100 days.

MILESTONE 2: FM 39 BRIDGE REPLACEMENT

Milestone 2 is for the reconstruction of the FM 39 Bridge over existing US 190.

Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

The road-user cost liquidated damages for Milestone 2 is \$5,664 per day.

The daily incentive rate for substantial completion of Milestone 2 is \$5,664.

The maximum number of working days for computing the Milestone 2 incentive credit is 30 days.

Substantially complete Milestone 2 in 75 working days charged in accordance with article 8.3.1.1. Five-Day Workweek.

The time charges for Milestone 2 will begin upon the closure of the FM 39 Bridge and approaching roadway to public traffic.

The time charges for Milestone 2 will end when, in the opinion of the Engineer, the Contractor has completed the following items of work, which define the term “substantially complete”:

- 1) Complete the entire bridge structure and approach slabs;
- 2) Complete the entire bridge rail, MBGF, and end treatments;
- 3) Complete all roadway earthwork, flex base, prime, and one course surface treatment.

The number of working days for final acceptance will be 36 working days after the substantial completion of the project. Substantial Completion shall be defined as all plan items constructed and in their final position, all proposed vegetation and erosion control measures in-place, and awaiting final punch list items, as approved by the Engineer.

The 90 day convenience delayed start allowed after authorization under SP008-056 is for Contractor mobilization.

Per the recommendations provided by Terracon in the signed and sealed "Final Geotechnical Engineering Report: US 190 (SH 21) and FM 39 Improvements", dated May 30, 2024, the Contractor shall adhere to the following guidelines.

At the locations noted below, the Contractor shall not begin construction of final pavement, including subgrade, until a minimum of 4 months after completion of placing the final embankment.

- o US 190 Overpass at FM 39/BNSF RR, West approach, Sta. 2178+00 to 2184+75
- o US 190 Overpass at FM 39/BNSF RR, East approach, Sta. 2189+76 to 2195+00
- o US 190 Overpass at Zulch Road, East and West approaches, Sta. 2195+00 to 2205+00
- o US 190 East of Zulch Road, Sta. 2205+00 to 2215+00



Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

The Contractor shall not begin construction of any drilled shafts at bridge abutments of the overpasses listed above until a minimum of 4 months after completion of placing the final embankment.

ITEM 100 “PREPARING RIGHT OF WAY”

Limits of the Prep ROW to be confirmed in the field by the Engineer.

No construction equipment shall be allowed within 10 feet of any high-water mark next to wetlands or streams as shown on the SW3P Layout Sheets or as Directed by the Engineer.

During burn bans obtain written approval from the respective County Commissioners Court prior to burning brush.

Prevent ashes from burned vegetation to be transported into any stream.

If burning is not allowed, all trees and brush will be disposed of by shredding, logging or other methods approved by the Engineer. Create a windrow, stockpile, or topdress biomass on disturbed areas along the project at locations approved by necessary permits and the Engineer.

Regarding the grading of ponds:

When a bisected improvement is classified as “Category I” grantors understand and agree that it will be necessary for the state to enter upon their remaining property out of which the above-described property was conveyed for the purpose of removing that portion of the above-described improvement(s) which is located on such Grantors' remaining property. Grantors hereby authorize the state, its agents or assigns, to enter upon such remaining property for the purpose of removing said improvement(s) and expressly waive all damages or claims that may result to the remaining property of the Grantors as a result of such entry and removal of said improvement(s). When an agreement has a bisection I clause within the document, property owner is allowing the State access to the remainder to remove the improvement. The State will then drain and fill the pond.

It is anticipated that all property owners shall have erected fencing and gates along the ROW. The contractor shall alert The Engineer and provide a summary of areas in which property owners have not properly constructed fencing or gates, per TxDOT standard. A nominal quantity is shown as part of the part of the plans. The Contractor shall have materials on hand for emergency repairs.

Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

ITEM 132 “EMBANKMENT”

Embankment (Final) (Dens Cont) (TY C1) to be used where indicated in the table below. Utilize sandy clay or clayey sand (8<PI<20) with friction angle of at least 30 degrees. Compact with moisture content range 0% to +3% from optimum (as determined by test standard Tex-114-E) and max loose lift thickness of 8 in. Backfill material should meet the minimum compaction requirement outlined in the 2014 TxDOT Standard Specifications.

Embankment (Final) (Dens Cont) (TY C2) to be used where indicated in the table below. Utilize sandy clay or clayey sand (8<PI<20) with friction angle of at least 30 degrees. Compact with moisture content range 0% to +3% from optimum (as determined by test standard Tex-114-E) and max loose lift thickness of 8 in. Backfill material should meet the minimum compaction requirement outlined in the 2014 TxDOT Standard Specifications, except that it shall be compacted to a minimum of 100% of the maximum dry density as determined by test standard Tex-114-E.

Fill Type	Classification	Acceptable Locations for Placement
TxDOT Item 423 Type AS Backfill (Paid for as Item 132 Ty C3)	Friction angle of at least 34 degrees	Material to be used within the reinforced area of the MSE walls.
TxDOT Item 132 Type C1 Backfill	Sandy Clay or Clayey Sand (8<PI<20) with a friction angle of at least 30 degrees	Material to be used as backfill behind the reinforced width of the MSE walls and as embankment fill in all areas with either 1) slopes steeper than 4H:1V; 2) slopes taller than 10ft; and/or 3) all embankments within 500ft of bridge abutments.
TxDOT Item 132 Type C2 Backfill	Sandy Clay or Clayey Sand (8<PI<20) with a friction angle of at least 32 degrees	Material to be used as embankment fill at US 190 WB Caney Creek Relief east approach embankment from the bridge abutment to STA 2769+00.
TxDOT Item 132 Type B Backfill	On-site Soils (8<PI<55)	Material to be used as embankment fill in all other areas.

Materials should generally meet the minimum compaction requirements outlined in the 2014 TxDOT Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges, with additional restrictions on the minimum compaction for TxDOT Item 132 Type C2 Backfill material. TxDOT Item 132 Type C2 Backfill material should be compacted to a

Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

minimum of 100% of the maximum dry density as determined by test standard Tex-114-E.
Moisture content range for all materials must be between 0 to +3 from the optimum moisture content.

ITEM 160 "TOPSOIL"

All slopes requiring topsoil will be tracked immediately upon final grading to prevent erosion per standard sheet EC(1)-16. Tracking slopes to prevent erosion will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 162 "SODDING FOR EROSION CONTROL"

Furnish and place block sod.

ITEM 166 "FERTILIZER"

Fertilize all areas of project that are being seeded or sodded.

ITEM 168 "VEGETATIVE WATERING"

Vegetative watering is required for all areas of the project that are being seeded or sodded.

ITEM 169 "SOIL RETENTION BLANKET"

Soil retention blankets made from Jute material will not be allowed.

ITEM 247 "FLEXIBLE BASE"

Place flexible base in equal lifts of 4 to 8 in. in depth unless otherwise authorized by the Engineer in writing.

ITEM 275 "CEMENT TREATMENT (ROAD MIXED)"

Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

Contractor to use caution with cement treatment of subgrade in locations with limited cover over structures in the following locations:

Structure ID	Begin Station		End Station
Structure A1A	1926+45.00	-	1927+45.00
Structure A1B	1944+65.00	-	1945+15.00
Structure A3A	1979+30.00		1980+10.00
Structure A6C	2082+30.00		2082+90.00
Structure A25A	2352+30.00	-	2352+75.00
Structure A26	2364+30.00	-	2364+75.00
Structure A27	2382+00.00	-	2382+85.00
Structure A29	2425+70.00	-	2426+50.00
Structure A33	2498+90.00	-	2499+40.00
Structure A39A	2649+70.00	-	2650+50.00
Structure A40	2676+50.00	-	2677+10.00
Structure A41	2698+25.00	-	2698+95.00

Microcracking is required for this item.



Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

ITEM 276 “CEMENT TREATMENT (PLANT-MIXED)”

Provide Type E material consisting of field sand.

Table 1

Flexible Base Material Requirements Before Cement Treatment

Property	Test Method	Grade 4
Master gradation sieve size	Tex-110-E	% Retained
1 in.		0
No. 4		0-10
No. 8		0-20
No. 30		35-75
No. 50		65-90
No. 200		97-100
Organic Impurity	Tex-408-A	not darker than standard

The Contractor shall furnish the Engineer with representative samples of the materials to be used in production of the cement treated base. The Engineer will designate a target cement content and optimum moisture content necessary to produce a stabilized mixture that meets the strength requirements and moisture susceptibility requirements shown in Table 2.

Table 2

Requirements for Cement Treatment

Description	Minimum	Maximum
Cement	1 ½ percent	5 percent

Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

	Test Method	Requirement
7-Day Unconfined compressive Strength ¹	Tex-120-E, Part I	210 psi (min.)
Moisture Susceptibility Requirements	Draft Tex-144-E	85% of 7-Day Unconfined Compressive Strength (min.)
Expansion ²	ASTM C 1567	0.10% (maximum)

1. Meet the unconfined compressive strength after addition of stabilizer.
2. Required when using crushed concrete or other material that contains cement. Provide the certified test report signed and sealed by a licensed professional engineer. This may be waived by the Engineer when the material has a known performance history based on previous ASTM C 1567 or ASTM C 1260 tests.

If the cement treated base fails these requirements a different flexible base source will be required. The Engineer may accept a mixture design from the Contractor that is performed in accordance with Test Method Tex-120-E, Part I and meets the moisture susceptibility requirement shown above.

Microcracking is required for this item.

ITEM 301 “ASPHALT ANTISTRIPPING AGENT”

When the Contractor adds lime as an anti-stripping agent (or an equivalent anti-stripping agent) the lime or equivalent shall be added to the asphaltic concrete in the methods specified in this item unless otherwise approved by the Engineer. If an alternate method is proposed, the Engineer’s approval will be based on test method Tex-242-F performed on the asphaltic concrete produced through the plant.

ITEM 310 “PRIME COAT”

Cure MC-30/ EC-30 for up to 7 days before placing subsequent surface courses unless otherwise directed by the Engineer.

Cure RC 250 for 21 days before placing subsequent surface courses unless otherwise directed by the Engineer.



Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

ITEM 316 “SEAL COAT”

When placing surface treatment on base material, prepare surface by sweeping or other approved methods. Before applying bituminous material, lightly sprinkle the surface with water. When directed, sweep the surface after sprinkling with water. Do not apply bituminous material when water is puddling on the surface.

Sweep excess aggregate no sooner than 2 hours after rolling or as directed.

Vehicles used to haul aggregate from the stockpile to the chip spreader will not be overloaded. Any damage to the roadway caused by the vehicles will be repaired by the Contractor at his expense and subsequent loads will be reduced so as not to cause further damage.

Transverse variance rates shall be used as directed. The nozzles outside the wheel paths will output up to 20% more asphalt by volume than the nozzles over the wheel paths.

The Contractor may be required to furnish and set string line to insure straight and uniform alignment as directed by the Engineer. The Contractor may use other methods subject to approval of the Engineer.

Air and surface temperature for asphalt material application will be in accordance with the specification and the manufacturer’s recommendation. However, the engineer may limit the use of an asphalt material due to the time of year/weather conditions.

Schedule the work so that a seal coat is placed no more than two weeks after milling has been performed on any pavement surface, unless otherwise approved by the Engineer. The Engineer may require the seal coat to be placed sooner than two weeks in cases when base materials are exposed or when the pavement structure is showing signs of distress.

ITEM 320 “EQUIPMENT FOR ASPHALT CONCRETE PAVEMENT”

Unless otherwise approved by the Engineer, provide a Material Transfer Device with remixing capabilities as specified in Item 320.2.3.3 Placement and Compaction Equipment for all asphaltic concrete pavement.

Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

ITEM 354 “PLANING AND TEXTURING PAVEMENT”

Schedule the work so that a seal coat or HMA placement is placed no more than two weeks after milling has been performed on any pavement surface, unless otherwise approved by the Engineer. The Engineer may require the seal coat to be placed sooner than two weeks in cases when base materials are exposed or when the pavement structure is showing signs of distress.

Existing raised pavement markers in the proposed work area are to be removed prior to planing operations. This work will be considered subsidiary.

Construct a fine milling pattern by adjusting the speed of the drum and the machine, as approved by the Engineer.

RAP Material:

TxDOT will retain all RAP except what is needed in the hot mix and for backfilling pavement edges in the project. Reclaimed asphalt material to be stockpiled at a location designated by the Engineer. All RAP generated on the project remains property of the State except that which is used for backfilling pavement edges on projects when approved by the Engineer. Schedule the work so that HMA is placed the same work day that the milling has been performed on any pavement surface, unless otherwise approved by the Engineer.

Maximum allowable RAP is 20% for surface, 30% for intermediate, and 35% for base per standard specification. RAP is typically 17%

Estimated maximum allowable RAP for each HMA:
SP MIXES SP-B PG64-22 (Base): 67,794 tons
SP MIXES SP-C PG64-22 (Surface): 1,277 tons
SP MIXES SP-D SAC-A PG64-22 (Surface): 17,440 tons

ITEM 416 “DRILLED SHAFT FOUNDATIONS”

Stake foundation locations and have them approved by the Engineer before installation. The Contractor will calculate the vertical signal head clearance before placing any traffic signal pole foundation to ensure that the minimum foundation embedment requirement per TS-FD-12 is met. The Contractor shall be paid for the embedment length and any required foundation length above the existing grade.

The Contractor shall place roadway luminaire pole foundations a minimum of 16 feet away from the edge of the through lane and no more than 26 feet away, unless approved by the Engineer. Location shall be far enough away from overhead structures, such as bridges, to ensure the light



Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

is not occluded. Location shall not place any part of the luminaire pole, arm, or head within 10 feet of non-insulated power lines. The locations shall be at least 4 feet lateral offset from the bottom of the flow line of drainage, unless approved by the Engineer to be placed in a concrete flume.

Notify the Engineer 48 hours prior to forming and placing concrete in any unit for any of the following: Electrical Service Pole, Luminaire Pole, ITS Pole, Signal Pole and Controller Foundations. Do not place concrete without an Inspector present. Failure to inform the Engineer and provide adequate time to arrive on the job site may result in removing and replacing the foundation at the Contractor's expense.

Submit Bridge Drill Shaft installation plan for review to Huntsville office no later than one month before drilled shaft construction.

ITEM 423 "RETAINING WALL"

The backfill unit weight shown on standard RW (MSE) is for retaining wall design purposes only. Refer to Item 423.2.4 for backfill material properties.

Proof roll the foundation of the MSE walls to identify any loose, soft or unsuitable material. Proof roll with a pneumatic tire roller. Ensure the maximum rut depth is no more than 1 inch per pass. This work is subsidiary to Item 423, "Retaining Walls."

Provide the following surface finish for walls: Texas Ashlar Narrow Formliner Finish or similar.

Use the approved Mechanically Stabilized Earth (MSE) wall systems listed at:
<http://www.txdot.gov/inside-txdot/division/bridge/approved-systems/mse-wall.html>

ITEM 432 "RIPRAP"

The fifty foot (50') approach taper to the MBGF end treatment will be concrete Mow Strip unless otherwise shown in the plans or otherwise directed by the Engineer.

ITEM 462 "CONCRETE BOX CULVERTS AND DRAINS"

Structures are designed and paid for as precast. Cast-in-place structures may be substituted for the precast and shall meet the requirements of this specification and TxDOT culvert standards. Payment and measurement shall be for the unit bid price for precast.

Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

ITEM 464 "REINFORCED CONCRETE PIPE"

Seal joints using cold applied plastic asphalt sewer compound or cold applied preformed plastic gaskets. When cohesionless material is used for backfill, wrap the joints prior to backfilling with sand proof tape following the manufacturer's recommendations or with an equivalent material and method.

ITEM 465 "JUNCTION BOXES, MANHOLES AND INLETS"

When furnishing precast Inlets, Manholes and Extensions, cast elements for specific project locations.

ITEM 466 "HEADWALLS AND WINGWALLS"

Do not use precast headwalls/wingwalls.

ITEM 467 "SAFETY END TREATMENTS"

All Type II SET's shall have riprap aprons as shown on the plans. Riprap aprons are considered subsidiary to Type II SET's.

ITEM 496 "REMOVING STRUCTURES"

Notify the Engineer of the exact date of bridge removal at least twenty (20) working days prior to the removal of the existing structure to allow for compliance with the Texas Department of State Health Services requirements for structural demolition. Bridge removal will not be allowed to take place until this notice is given.

The structure(s) to be removed have surface coatings which may contain hazardous materials. Provide for the safety and health of employees and abide by all OSHA Standards and Regulations.

Paint chips from the existing bridge were analyzed and found to exhibit a low to moderate probability of containing lead. Tests suggest that waste generated by the complete removal of this paint system will be classified as hazardous. The Department will provide for a separate contractor to remove paint prior to dismantling of the steel. The Contractor will coordinate with



Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

the Department the timing of the structure removal in order to allow the Department sufficient time to schedule work with the separate contractor. The Contractor will clearly indicate the locations on site that will require paint removal in accordance with Item 6.

ITEM 502 “BARRICADES, SIGNS AND TRAFFIC HANDLING”

Where shown on applicable TCP standards, channelizing devices on the centerline are required at all times; including when a pilot vehicle is used to lead traffic. Mount a G20-4 sign at a minimum of 4’ to the bottom of the sign from the ground at a conspicuous location on the rear of the vehicle. Traffic delays caused by one-lane, two-way traffic control, will not be allowed to exceed 5 minutes unless approved by the Engineer.

One way traffic control operations are required when placing centerline profile markings on all two-lane roadways, unless otherwise approved by the Engineer. Work area is limited to a maximum of 2 miles for this work.

During one-way operations, station flaggers at all county roads and any other locations, such as private businesses, that may have traffic entering the work area.

Prior to beginning pulverization operations, place an approved channelizing device along both sides of the travelway the entire length of the operation in accordance with the BC standards. Do not remove the channelizing devices until permanent edge striping is placed.

Removal of ground mounted temporary signs and supports as specified on standard sheet BC(5), shall include the immediate backfilling of support holes with Type B embankment material and the compaction of the backfill material. The signs must also be removed within two weeks once construction ends.

The Contractor Force Account “Safety Contingency” that has been established for this project is intended to be utilized for work zone enhancements, to improve the effectiveness of the Traffic Control Plan, that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor’s Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

Law enforcement assistance will be required for this project and is expected to be required for major traffic control changes and lane closures. Coordinate with local law enforcement and arrange for law enforcement as directed or agreed by the Engineer. Complete the daily tracking

Highway: US 190, ETC.
County: Madison

Control: 0117-03-024, ETC.

form provided by the department and submit invoices that agree with the tracking form for payment at the end of each month approved services were provided.

Patrol vehicles must be clearly marked to correspond with the officer’s agency and equipped with appropriate lights to identify them as law enforcement. For patrol vehicles not owned by a law enforcement agency, markings will be retroreflective and legible from 100 ft. from both sides and the rear of the vehicle. Lights will be high intensity and visible from all angles.

Cancel law enforcement personnel when the event is canceled. Cancellation, minimums or “show up” fees will not be paid when cancellation is made 12 hours prior to beginning of the event. Failure to cancel within 12 hours will not be cause for payment for cancellation, minimums, or "show up" time. Payment of actual “show up” time to the event site due to cancellation will be on a case-by-case basis at a maximum of 2 hours per officer.

ITEM 504 “FIELD OFFICE AND LABORATORY”

Furnish a Type D Structure (Asphalt Mix Control Laboratory).

ITEM 506 “TEMPORARY EROSION, SEDIMENTATION AND ENVIRONMENTAL CONTROLS”

Prior to starting construction, review the SWP3 with the Engineer to confirm the type and placement of the devices. Device locations may be added, deleted, or modified by the Engineer.

The contractor will not impact waters and wetlands in the locations shown on the SW3P Layout sheet until USACE permitting has been obtained for the project. Until permit is obtained, the Contractor will delineate and prohibit access to these areas using orange construction fencing. This work is considered subsidiary to Item 506.

ITEM 512 “PORTABLE TRAFFIC BARRIER”

Do not pin PTB on bridge decks. For work zone safety, PTB shall not deflect more than 2’. Alternate anchoring methods may be required to meet these criteria. Refer to standard sheets.



Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

ITEM 529 “CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER”

Provide steel reinforcement in all concrete curb, gutter, and combined curb and gutter in accordance with the plans and specifications. Use synthetic fiber in lieu of steel reinforcing when approved in writing by the Engineer.

ITEM 540 “METAL BEAM GUARD FENCE”

When the roadway is converted from two-way operation to one-way operation for TCP operations, the appropriate Metal Beam Guard Fence shall be relapped in the direction of travel. This will not be paid for directly but will be considered subsidiary to this Item

Furnish and Install only one type of timber post.

ITEM 560 “MAILBOX ASSEMBLIES”

Notify the postmaster prior to installation for approval of type and temporary and permanent locations.

Retain and re-use newspaper holders removed or relocated during construction for placement on new mailbox assemblies in accordance with mailbox standard sheets.

ITEM 585 “RIDE QUALITY FOR PAVEMENT SURFACES”

Use Surface Test Type A to govern ride quality. Use diamond grinding or equivalent to correct areas of localized roughness.

Milling will not be allowed as a corrective action for excessive deviations in the surface layer of hot mix. “Payment adjustment, Schedule 2” will be used for travel lanes.

Highway: US 190, ETC.
 County: Madison

Control: 0117-03-024, ETC.

ITEM 628 “ELECTRICAL SERVICES”

Prior to installing the electrical service at the designated location detailed in the plans the Contractor is to:

1. Contact the power company to obtain a meter can
2. Verify any requirements by the power company
3. Verify there is the correct type of transformer at the location to provide power to the new electrical service.

The power company is stated in the plans on the electrical service data sheet. For the installation of new electrical services, the Engineer shall setup the account. For the replacement of existing electrical services, TxDOT will provide the Contractor with the necessary information to temporarily disconnect and reconnect power to the existing TxDOT account.

Ensure that the electrical service is constructed by the manufacturer in accordance with the plans. The laminated plans in the service should include the design of the service by the manufacture and the constructed layout with schedule of materials.

ITEM 636 “SIGNS”

Salvage and deliver all aluminum sign faces to the local TxDOT maintenance office.

ITEM 644 “SMALL ROADSIDE SIGN ASSEMBLIES”

Prior to taking elevations to determine lengths for fabrication of sign posts, obtain verification of all proposed locations.

Salvage and deliver all aluminum sign faces to the local TxDOT maintenance office.

Contractor must safely store signs that are marked to be removed and reinstalled per TMUTCD and TxDOT Sign Guideline and Application Manual.

ITEM 647 “LARGE ROADSIDE SIGN SUPPORTS AND ASSEMBLIES”

Provide the Engineer with a clear, digital image of one Sign Identification Decal from each Large Guide Sign after the installation date has been marked. This is for large guide sign inventory purposes. Identify the sign by the name or number provided in the plans and include with the image.



Highway: US 190, ETC.

Control: 0117-03-024, ETC.

County: Madison

ITEM 662 “WORK ZONE PAVEMENT MARKINGS”

Paint and beads may be used for non-removable work zone pavement markings.

All striping limits must be approved by the Engineer before striping operations may begin.

ITEM 666 “REFLECTORIZED PAVEMENT MARKINGS”

Unless authorized by the Engineer, the Contractor will not place the pavement markings on the resurfaced roadway until it has cured for 3 days.

All striping limits must be approved by the Engineer before striping operations may begin.

ITEM 672 “RAISED PAVEMENT MARKERS”

Use flexible bituminous adhesive for applications on all pavement types.

ITEM 678 “PAVEMENT SURFACE PREPARATION FOR MARKINGS”

It is not anticipated that pavement surface preparation for markings will be needed. If the Engineer determines that it is needed, payment for work will be determined in accordance with Article 9.7 “Payment for Extra Work and Force Account Method”.

ITEM 3077 “SUPERPAVE MIXTURES”

Aggregates used on ramps are required to meet SAC requirements.

Hydrated lime, commercial lime slurry or an equivalent anti-stripping agent may be used. If hydrated lime or commercial lime slurry is used up to 1.0 percent may be added. If an equivalent anti-stripping agent is used, add according to manufacturers recommendations. Provide hydrated lime or commercial lime slurry in accordance with DMS-6350, “Lime and Lime Slurry”. Add hydrated lime, commercial lime slurry, or an equivalent anti-stripping agent in accordance with Section 301.4.2.

Apply tack coat through a distributor spray bar in accordance with Section 316.3.1. Distributor. If residual from emulsion tack is not tacky, then the Engineer can require the use of PG binder.

Highway: US 190, ETC.

Control: 0117-03-024, ETC.

County: Madison

RAS is not permitted.

ITEM 6001 “PORTABLE CHANGEABLE MESSAGE SIGN”

Furnish, install, and operate up to 8 Portable Changeable Message Signs (PCMS) for this project. The signs can be used both on the project and within a ten (10) mile radius of the project. Locations, messages, and durations of use will be specified by the Engineer. The primary uses will be to inform the public of special events, lane and road closures, and changes in traffic control. Signs will be paid for only when used as directed by the Engineer.

ITEM 6185 “TRUCK MOUNTED ATTENUATOR (TMA) AND TRAILER ATTENUATOR (TA)”

In addition to the shadow vehicles with truck mounted attenuator (TMA) that are specified as being required on the traffic control plan (TCP) for this project,

provide one (1) shadow vehicle(s) with TMA for Typical Traffic Control – Intersection Construction as detailed on General Note 5 of this detail sheet.

provide one (1) shadow vehicle(s) with TMA for TCP(2-2)-18 as detailed on General Note 6 of this standard sheet.

provide one (1) shadow vehicle(s) with TMA for TCP(2-3)-18 as detailed on General Note 7 of this standard sheet.

Provide one (1) shadow vehicle(s) with TMA for Typical Traffic Control – Traffic Shifts 2-Lane Roadway as detailed on General Note 7 of this standard sheet.

provide two (2) (shadow and trail) vehicle(s) with TMA for TCP(3-1)-13 as detailed on General Note 3 of this standard sheet.

provide two (2) (shadow and trail) vehicle(s) with TMA for TCP(3-3)-14 as detailed on General Note 3 of this standard sheet.

Therefore, 8 total shadow vehicles with TMA will be required for this type of work. The contractor will be responsible for determining if one or more of these operations will be ongoing at the same time to determine the total number of TMAs needed for the project.

Fifty-five (55) TMA days are provided in the project estimate for stationary operations. Thirty (30) TMA days are provided in the project estimate for mobile operations.





Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	100-6002	PREPARING ROW	STA	381.000		587.000		245.000		17.000		1,230.000	
	103-6001	DISPOSAL OF WATER WELLS	EA	1.000								1.000	
	104-6001	REMOVING CONC (PAV)	SY			3,145.000						3,145.000	
	104-6009	REMOVING CONC (RIPRAP)	SY			433.000						433.000	
	104-6022	REMOVING CONC (CURB AND GUTTER)	LF	400.000								400.000	
	104-6031	REMOVING CONC (HEADWALL)	CY	13.000								13.000	
	104-6054	REMOVING CONCRETE(MOW STRIP)	LF			1,189.000						1,189.000	
	105-6014	REMOVING STAB BASE & ASPH PAV (7"-12")	SY	5,025.000		7,096.000		1,406.000				13,527.000	
	105-6029	REMOVE STAB BASE & ASPH PAV (24")	SY	50,155.000		155,607.000		20,319.000		3,418.000		229,499.000	
	105-6135	REMOVING UNTREATED BASE (4")	SY	558.000								558.000	
	110-6001	EXCAVATION (ROADWAY)	CY	76,913.000		278,885.000		133,996.000		1,379.000		491,173.000	
	132-6004	EMBANKMENT (FINAL)(DENS CONT)(TY B)	CY	174,130.000		424,323.000		317,033.000				915,486.000	
	132-6025	EMBANKMENT (FINAL) (DENS CONT) (TY C1)	CY	78,315.000		239,558.000		936,616.000		842.000		1,255,331.000	
	132-6026	EMBANKMENT (FINAL) (DENS CONT) (TY C2)	CY			13,189.000						13,189.000	
	132-6030	EMBANKMENT (FINAL)(DENS CONT)(TY C3)	CY							4,757.000		4,757.000	
	134-6004	BACKFILL (TY A OR B)	STA	137.000								137.000	
	161-6017	COMPOST MANUF TOPSOIL (4")	SY	436,915.000		852,344.000		461,829.000		9,248.000		1,760,336.000	
	162-6002	BLOCK SODDING	SY	466.000		1,035.000		447.000				1,948.000	
	164-6009	BROADCAST SEED (TEMP) (WARM)	SY	10,348.000								10,348.000	
	164-6011	BROADCAST SEED (TEMP) (COOL)	SY	10,348.000								10,348.000	
	164-6033	DRILL SEEDING (PERM) (RURAL) (SANDY)	SY	436,915.000		852,344.000		461,829.000		9,248.000		1,760,336.000	
	164-6035	DRILL SEEDING (PERM) (RURAL) (CLAY)	SY	16,556.000								16,556.000	
	164-6041	DRILL SEEDING (TEMP) (WARM)	SY	218,458.000		426,172.000		230,915.000		3,907.000		879,452.000	
	164-6043	DRILL SEEDING (TEMP) (COOL)	SY	218,458.000		426,172.000		230,915.000		3,907.000		879,452.000	
	168-6001	VEGETATIVE WATERING	MG	22,268.000		44,107.000		24,019.000		232.000		90,626.000	
	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	SY	8,644.000		14,202.000		461,829.000				484,675.000	
	247-6230	FL BS (CMP IN PLACE)(TY A GR 1-2)(8")	SY			11,058.000		28,935.000				39,993.000	
	247-6231	FL BS (CMP IN PLACE)(TY A GR 1-2)(10")	SY	169,200.000		427,515.000		170,212.000				766,927.000	
	275-6001	CEMENT	TON	1,993.000		5,044.000		2,390.000		93.000		9,520.000	
	275-6010	CEMENT TREAT (SUBGRADE) (8")	SY	175,521.000		446,649.000		180,973.000				803,143.000	
	275-6063	CEMENT TREAT (SUBGRADE)(10")	SY					24,708.000		6,555.000		31,263.000	
	310-6028	PRIME COAT (MC-30 OR EC-30)	GAL	33,305.000		85,520.000		34,046.000				152,871.000	
	316-6017	ASPH (AC-20-5TR)	GAL			4,634.000						4,634.000	
	316-6029	ASPH (RC-250)	GAL			2,776.000		6,814.000		1,732.000		11,322.000	
	316-6403	AGGR (TY-B GR-5 OR TY-L GR-5)	CY			84.000		203.000		45.000		332.000	

2 SHEET REPLACED BY ADDENDUM #2,
10/25/2024



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	316-6404	AGGR (TY-PB GR-4 OR TY-PL GR-4 SAC-A)	CY			101.000						101.000	
	354-6045	PLANE ASPH CONC PAV (2")	SY	138,605.000		109,054.000						247,659.000	
	360-6026	CURB (TYPE I)	LF	980.000		836.000		387.000				2,203.000	
	400-6001	STRUCT EXCAV	CY	9,105.000		34,812.000		5,618.000				49,535.000	
	400-6005	CEM STABIL BKFL	CY	2,605.700		6,376.000		2,572.000		222.000		11,775.700	
	400-6008	CUT & RESTORE ASPH PAVING	SY	101.000		98.000						199.000	
	401-6001	FLOWABLE BACKFILL	CY	817.000		736.000		68.000				1,621.000	
	402-6001	TRENCH EXCAVATION PROTECTION	LF	1,329.000		3,782.000						5,111.000	
	403-6001	TEMPORARY SPL SHORING	SF	13,753.000		39,466.000				7,059.000		60,278.000	
	416-6001	DRILL SHAFT (18 IN)	LF	240.000		370.000		360.000				970.000	
	416-6004	DRILL SHAFT (36 IN)	LF	940.000		3,345.000		1,885.000		565.000		6,735.000	
	416-6005	DRILL SHAFT (42 IN)	LF					3,160.000				3,160.000	
	416-6018	DRILL SHAFT (SIGN MTS) (24 IN)	LF	12.000				78.000				90.000	
	416-6029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF					256.000				256.000	
	420-6013	CL C CONC (ABUT)	CY	88.900		234.800		300.100		42.400		666.200	
	420-6029	CL C CONC (CAP)	CY	51.700		170.600		272.200		39.800		534.300	
	420-6037	CL C CONC (COLUMN)	CY	13.500		57.900		268.100		14.700		354.200	
	420-6074	CL C CONC (MISC)	CY	0.800								0.800	
	422-6001	REINF CONC SLAB	SF	12,000.000		41,640.000		70,042.000		10,120.000		133,802.000	
	422-6015	APPROACH SLAB	CY	111.200		292.500		361.800		65.200		830.700	
	423-6001	RETAINING WALL (MSE)	SF							10,621.000		10,621.000	
	425-6035	PRESTR CONC GIRDER (TX28)	LF			2,502.000		1,985.700				4,487.700	
	425-6036	PRESTR CONC GIRDER (TX34)	LF			1,042.120						1,042.120	
	425-6037	PRESTR CONC GIRDER (TX40)	LF			1,417.500						1,417.500	
	425-6038	PRESTR CONC GIRDER (TX46)	LF	1,491.470						1,311.000		2,802.470	
	425-6040	PRESTR CONC GIRDER (TX62)	LF					5,976.160				5,976.160	
	432-6001	RIPRAP (CONC)(4 IN)	CY	46.000				765.000		147.000		958.000	
	432-6002	RIPRAP (CONC)(5 IN)	CY	132.000		1,438.000		1,546.000				3,116.000	
	432-6009	RIPRAP (CONC) (CL B) (4")	CY					11.200				11.200	
	432-6031	RIPRAP (STONE PROTECTION)(12 IN)	CY	98.000		570.000		295.000				963.000	
	432-6032	RIPRAP (STONE PROTECTION)(15 IN)	CY	33.000						5.000		38.000	
	432-6033	RIPRAP (STONE PROTECTION)(18 IN)	CY	2,381.000		9,006.000						11,387.000	
	432-6034	RIPRAP (STONE PROTECTION)(21 IN)	CY	9.000								9.000	
	432-6045	RIPRAP (MOW STRIP)(4 IN)	CY	94.000		384.000		301.000		36.000		815.000	
	450-6006	RAIL (TY T223)	LF	700.000		2,050.000						2,750.000	

2 SHEET REPLACED BY ADDENDUM #2
10/25/2024

DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48A



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	450-6062	RAIL (TY SSTR)(MOD)	LF					2,984.000		1,656.000		4,640.000	
	450-6119	RAIL (CLF-RO)	LF					628.000				628.000	
	451-6004	RETROFIT RAIL (TY T131RC)	LF	430.000								430.000	
	454-6018	SEALED EXPANSION JOINT (4 IN) (SEJ - M)	LF	110.000		375.000		508.000		90.000		1,083.000	
	460-6003	CMP (GAL STL 24 IN)	LF	465.000		660.000		569.000				1,694.000	
	460-6005	CMP (GAL STL 36 IN)	LF			260.000						260.000	
	462-6001	CONC BOX CULV (3 FT X 2 FT)	LF	805.000		858.000		188.000				1,851.000	
	462-6002	CONC BOX CULV (3 FT X 3 FT)	LF			190.000		580.000				770.000	
	462-6003	CONC BOX CULV (4 FT X 2 FT)	LF	188.000								188.000	
	462-6004	CONC BOX CULV (4 FT X 3 FT)	LF			199.000						199.000	
	462-6005	CONC BOX CULV (4 FT X 4 FT)	LF	238.000		421.000		337.000				996.000	
	462-6006	CONC BOX CULV (5 FT X 2 FT)	LF			1,735.000						1,735.000	
	462-6007	CONC BOX CULV (5 FT X 3 FT)	LF	482.000		638.000						1,120.000	
	462-6008	CONC BOX CULV (5 FT X 4 FT)	LF	3.000		201.000						204.000	
	462-6009	CONC BOX CULV (5 FT X 5 FT)	LF	133.000								133.000	
	462-6010	CONC BOX CULV (6 FT X 3 FT)	LF			188.000		656.000				844.000	
	462-6011	CONC BOX CULV (6 FT X 4 FT)	LF					1,086.000				1,086.000	
	462-6012	CONC BOX CULV (6 FT X 5 FT)	LF			344.000						344.000	
	462-6014	CONC BOX CULV (7 FT X 3 FT)	LF	241.000		408.000						649.000	
	462-6015	CONC BOX CULV (7 FT X 4 FT)	LF			830.000						830.000	
	462-6019	CONC BOX CULV (8 FT X 4 FT)	LF			192.000						192.000	
	462-6020	CONC BOX CULV (8 FT X 5 FT)	LF			199.000						199.000	
	462-6021	CONC BOX CULV (8 FT X 6 FT)	LF			1,196.000						1,196.000	
	462-6024	CONC BOX CULV (9 FT X 5 FT)	LF			229.000						229.000	
	462-6034	CONC BOX CULV (10 FT X 10 FT)	LF	1,130.000		477.000						1,607.000	
	462-6038	CONC BOX CULV (11 FT X 10 FT)	LF			1,393.000						1,393.000	
	464-6003	RC PIPE (CL III)(18 IN)	LF	2,426.000		5,413.000		1,580.000				9,419.000	
	464-6005	RC PIPE (CL III)(24 IN)	LF	1,030.000		879.000		26.000				1,935.000	
	464-6007	RC PIPE (CL III)(30 IN)	LF	215.000		559.000		1,031.000				1,805.000	
	464-6008	RC PIPE (CL III)(36 IN)	LF			900.000		174.000				1,074.000	
	464-6012	RC PIPE (CL III)(60 IN)	LF					392.000				392.000	
	464-6017	RC PIPE (CL IV)(18 IN)	LF	426.000								426.000	
	464-6030	RC PIPE (ARCH)(CL III)(DES 1)	LF			506.000		170.000				676.000	
	464-6031	RC PIPE (ARCH)(CL III)(DES 2)	LF			78.000						78.000	
	464-6059	RC PIPE (CL V)(30 IN)	LF	223.000								223.000	

2 SHEET REPLACED BY ADDENDUM #2
10/25/2024



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48B



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	465-6004	MANH (COMPL)(PRM)(72IN)	EA	1.000		3.000		1.000				5.000	
	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	EA	4.000								4.000	
	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	EA	1.000								1.000	
	465-6075	INLET (COMPL)(PSL)(RC)(5FTX6FT)	EA	1.000								1.000	
	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	EA	2.000								2.000	
	465-6159	INLET(COMPL)(PAZD)(FG)(4FTX4FT-3FTX3FT)	EA					4.000				4.000	
	465-6559	INL(CMP)(PAZD-CZ)(FG)(4FTX4FT-3FTX3FT)	EA	3.000		3.000		4.000				10.000	
	466-6043	HEADWALL (CH - FW - 30) (DIA= 60 IN)	EA					2.000				2.000	
	466-6052	HEADWALL (CH - FW - 45) (DIA= 30 IN)	EA					1.000				1.000	
	466-6101	HEADWALL (CH - PW - 0) (DIA= 36 IN)	EA			4.000		2.000				6.000	
	466-6105	HEADWALL (CH - PW - 0) (DIA= 60 IN)	EA	2.000								2.000	
	466-6132	HEADWALL (CH - PW - S) (DIA= 30 IN)	EA	1.000								1.000	
	466-6155	WINGWALL (FW - 0) (HW=8 FT)	EA			2.000						2.000	
	466-6165	WINGWALL (FW - S) (HW=4 FT)	EA	2.000				2.000				4.000	
	466-6166	WINGWALL (FW - S) (HW=5 FT)	EA					2.000				2.000	
	466-6167	WINGWALL (FW - S) (HW=6 FT)	EA					2.000				2.000	
	466-6170	WINGWALL (FW - S) (HW=9 FT)	EA			1.000						1.000	
	466-6173	WINGWALL (PW - 1) (HW=12 FT)	EA			2.000						2.000	
	466-6174	WINGWALL (PW - 1) (HW=13 FT)	EA			2.000						2.000	
	466-6178	WINGWALL (PW - 1) (HW=3 FT)	EA	1.000		2.000						3.000	
	466-6179	WINGWALL (PW - 1) (HW=4 FT)	EA	1.000		2.000						3.000	
	466-6180	WINGWALL (PW - 1) (HW=5 FT)	EA					1.000				1.000	
	466-6181	WINGWALL (PW - 1) (HW=6 FT)	EA	1.000		1.000						2.000	
	466-6182	WINGWALL (PW - 1) (HW=7 FT)	EA			1.000		1.000				2.000	
	466-6183	WINGWALL (PW - 1) (HW=8 FT)	EA			1.000						1.000	
	466-6184	WINGWALL (PW - 1) (HW=9 FT)	EA			2.000		2.000				4.000	
	466-6194	WINGWALL (PW - 2) (HW=5 FT)	EA			2.000						2.000	
	467-6007	SET (TY I) (24 IN) (6: 1) (C)	EA	8.000								8.000	
	467-6009	SET (TY I) (30 IN) (4: 1) (C)	EA	3.000		1.000						4.000	
	467-6010	SET (TY I) (30 IN) (6: 1) (C)	EA	1.000		1.000						2.000	
	467-6015	SET (TY I) (36 IN) (4: 1) (C)	EA			2.000						2.000	
	467-6016	SET (TY I) (36 IN) (6: 1) (C)	EA			2.000						2.000	
	467-6045	SET (TY I)(S=10 FT)(HW=11 FT)(3:1)(C)	EA	3.000								3.000	
	467-6106	SET (TY I)(S=3 FT)(HW=3FT)(4:1)(C)	EA	1.000		5.000						6.000	
	467-6109	SET (TY I)(S=3 FT)(HW= 3 FT)(6:1)(C)	EA	4.000								4.000	

2 SHEET REPLACED BY ADDENDUM #2
10/25/2024

DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48C



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	467-6110	SET (TY I)(S=3 FT)(HW= 3 FT)(6:1)(P)	EA	1.000		5.000						6.000	
	467-6112	SET (TY I)(S=3 FT)(HW= 4 FT)(4:1)(C)	EA			1.000						1.000	
	467-6115	SET (TY I)(S=3 FT)(HW= 4 FT)(6:1)(C)	EA					1.000				1.000	
	467-6117	SET (TY I)(S=3 FT)(HW= 5 FT)(3:1)(C)	EA	1.000								1.000	
	467-6119	SET (TY I)(S=3 FT)(HW= 5 FT)(6:1)(C)	EA					1.000				1.000	
	467-6124	SET (TY I)(S=3 FT)(HW= 7 FT)(3:1)(C)	EA			1.000						1.000	
	467-6141	SET (TY I)(S= 4 FT)(HW= 3 FT)(6:1) (C)	EA	1.000								1.000	
	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	EA			1.000						1.000	
	467-6146	SET (TY I)(S= 4 FT)(HW= 4 FT)(6:1) (C)	EA	1.000								1.000	
	467-6150	SET (TY I)(S= 4 FT)(HW= 5 FT)(4:1) (C)	EA			1.000						1.000	
	467-6158	SET (TY I)(S= 4 FT)(HW= 7 FT)(4:1) (C)	EA	1.000								1.000	
	467-6160	SET (TY I)(S= 4 FT)(HW= 8 FT)(3:1) (C)	EA			1.000						1.000	
	467-6162	SET (TY I)(S= 4 FT)(HW= 9 FT)(3:1) (C)	EA	1.000								1.000	
	467-6172	SET (TY I)(S= 5 FT)(HW= 3 FT)(4:1) (C)	EA			1.000						1.000	
	467-6173	SET (TY I)(S= 5 FT)(HW= 3 FT)(6:1) (C)	EA			3.000						3.000	
	467-6175	SET (TY I)(S= 5 FT)(HW= 4 FT)(3:1) (C)	EA	2.000		2.000						4.000	
	467-6179	SET (TY I)(S= 5 FT)(HW= 4 FT)(6:1) (C)	EA	2.000								2.000	
	467-6183	SET (TY I)(S= 5 FT)(HW= 5 FT)(6:1) (C)	EA			5.000						5.000	
	467-6186	SET (TY I)(S= 5 FT)(HW= 6 FT)(4:1) (C)	EA	1.000								1.000	
	467-6212	SET (TY I)(S= 6 FT)(HW= 4 FT)(4:1) (C)	EA			1.000						1.000	
	467-6220	SET (TY I)(S= 6 FT)(HW= 5 FT)(6:1) (C)	EA			1.000		2.000				3.000	
	467-6224	SET (TY I)(S= 6 FT)(HW= 6 FT)(4:1) (C)	EA			2.000						2.000	
	467-6245	SET (TY I)(S= 7 FT)(HW= 4 FT)(4:1) (C)	EA			2.000						2.000	
	467-6246	SET (TY I)(S= 7 FT)(HW= 4 FT)(6:1) (C)	EA			2.000						2.000	
	467-6280	SET (TY I)(S= 8 FT)(HW= 6 FT)(4:1) (C)	EA			1.000						1.000	
	467-6284	SET (TY I)(S= 8 FT)(HW= 7 FT)(4:1) (C)	EA			2.000						2.000	
	467-6287	SET (TY I)(S= 8 FT)(HW= 8 FT)(4:1) (C)	EA			1.000						1.000	
	467-6289	SET (TY I)(S= 8 FT)(HW= 9 FT)(4:1) (C)	EA			1.000						1.000	
	467-6290	SET (TY I)(S= 9 FT)(HW= 10 FT)(3:1)(C)	EA			1.000						1.000	
	467-6313	SET (TY I)(S= 9 FT)(HW= 9 FT)(4:1) (C)	EA			1.000						1.000	
	467-6348	SET (TY II) (18 IN) (CMP) (6: 1) (P)	EA	29.000								29.000	
	467-6362	SET (TY II) (18 IN) (RCP) (6: 1) (C)	EA					2.000				2.000	
	467-6363	SET (TY II) (18 IN) (RCP) (6: 1) (P)	EA	57.000		228.000		22.000				307.000	
	467-6394	SET (TY II) (24 IN) (RCP) (6: 1) (C)	EA	1.000								1.000	
	467-6395	SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	22.000		40.000		2.000				64.000	

2 SHEET REPLACED BY ADDENDUM #2
10/25/2024



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48D



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	467-6419	SET (TY II) (30 IN) (RCP) (4: 1) (C)	EA					1.000				1.000	
	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	EA			34.000		4.000				38.000	
	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	EA					2.000				2.000	
	467-6495	SET (TY II) (60 IN) (RCP) (3: 1) (C)	EA					1.000				1.000	
	467-6518	SET (TY II) (DES 1) (RCP) (6: 1) (C)	EA			4.000						4.000	
	467-6519	SET (TY II) (DES 1) (RCP) (6: 1) (P)	EA			16.000		8.000				24.000	
	467-6530	SET (TY II) (DES 2) (RCP) (6: 1) (C)	EA			1.000						1.000	
	496-6002	REMOV STR (INLET)	EA			2.000						2.000	
	496-6004	REMOV STR (SET)	EA	10.000		27.000		2.000				39.000	
	496-6005	REMOV STR (WINGWALL)	EA	2.000		44.000						46.000	
	496-6006	REMOV STR (HEADWALL)	EA	17.000		16.000						33.000	
	496-6007	REMOV STR (PIPE)	LF	758.000		1,014.000		30.000				1,802.000	
	496-6008	REMOV STR (BOX CULVERT)	LF	136.000		2,354.000						2,490.000	
	496-6009	REMOV STR (BRIDGE 0 - 99 FT LENGTH)	EA							2.000		2.000	
	496-6031	REMOV STR (CATTLE GUARD)	EA	8.000		3.000						11.000	
	496-6043	REMOV STR (SMALL FENCE)	LF	1,000.000		1,000.000						2,000.000	
	500-6001	MOBILIZATION	LS	0.394		0.924		0.547		0.032		1.897	
	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	14.000		27.000		14.000		1.000		56.000	
	506-6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	5,665.000		8,200.000		2,120.000				15,985.000	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	5,665.000		8,200.000		2,120.000				15,985.000	
	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	1,100.000		3,300.000		900.000				5,300.000	
	506-6024	CONSTRUCTION EXITS (REMOVE)	SY	1,100.000		3,300.000		900.000				5,300.000	
	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	18,694.000		7,584.000		3,400.000		1,105.000		30,783.000	
	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	18,694.000		7,584.000		3,400.000		1,105.000		30,783.000	
	506-6042	BIODEG EROSN CONT LOGS (INSTL) (18")	LF	13,565.000		2,436.000		8,651.000				24,652.000	
	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	13,585.000		2,436.000		8,651.000				24,672.000	
	506-6045	BIODEG EROSN CONT LOGS (INSTL) (6")	LF	20.000								20.000	
	508-6001	CONSTRUCTING DETOURS	SY	1,450.000		9,071.000		7,817.000				18,338.000	
	512-6001	PORT CTB (FUR & INST)(SGL SLOPE)(TY 1)	LF	3,660.000		10,200.000						13,860.000	
	512-6025	PORT CTB (MOVE)(SGL SLP)(TY 1)	LF	2,970.000		3,750.000						6,720.000	
	512-6049	PORT CTB (REMOVE)(SGL SLP)(TY 1)	LF	3,660.000		10,200.000						13,860.000	
	529-6008	CONC CURB & GUTTER (TY II)	LF	400.000								400.000	
	530-6005	DRIVEWAYS (ACP)	SY	6,425.000		14,237.000		2,353.000		113.000		23,128.000	
	530-6009	TURNOUTS (SURF TREAT)	SY			17.000						17.000	
	533-6001	RUMBLE STRIPS (SHOULDER)	LF	106,184.000		168,249.000		45,171.000				319,604.000	

2 SHEET REPLACED BY ADDENDUM #2
10/25/2024

DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48E



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	533-6002	RUMBLE STRIPS (CENTERLINE)	LF	14,349.000		773.000				8,249.000		23,371.000	
	536-6002	CONC MEDIAN	SY	586.000		457.000		211.000				1,254.000	
	540-6001	MTL W-BEAM GD FEN (TIM POST)	LF	1,588.000		5,676.000		4,750.000		50.000		12,064.000	
	540-6006	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA	6.000		16.000		16.000		4.000		42.000	
	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	EA	3.000								3.000	
	540-6039	MTL BM GD FEN TRANS (31"-28")(25')	EA	2.000								2.000	
	542-6001	REMOVE METAL BEAM GUARD FENCE	LF	1,625.000		1,975.000						3,600.000	
	542-6004	RM MTL BM GD FENCE TRANS (THRIE-BEAM)	EA	4.000								4.000	
	544-6001	GUARDRAIL END TREATMENT (INSTALL)	EA	11.000		42.000		30.000		4.000		87.000	
	544-6003	GUARDRAIL END TREATMENT (REMOVE)	EA	11.000		20.000						31.000	
	545-6002	CRASH CUSH ATTEN (DES SOURCE)	EA	9.000		46.000						55.000	
	545-6003	CRASH CUSH ATTEN (MOVE & RESET)	EA	2.000		16.000						18.000	
	545-6005	CRASH CUSH ATTEN (REMOVE)	EA	9.000		46.000						55.000	
	550-6006	GATE (REMOVE)	EA			5.000						5.000	
	552-6001	WIRE FENCE (TY A)	LF	1,000.000								1,000.000	
	552-6003	WIRE FENCE (TY C)	LF	1,000.000								1,000.000	
	552-6005	GATE (TY 1)	EA	5.000								5.000	
	556-6006	PIPE UNDERDRAINS (TY 6) (6")	LF							1,505.000		1,505.000	
	560-6007	MAILBOX INSTALL-S (WC-POST) TY 3	EA	13.000		60.000				5.000		78.000	
	560-6008	MAILBOX INSTALL-D (WC-POST) TY 3	EA	1.000		7.000						8.000	
	560-6013	MAILBOX INSTALL-M (TWW-POST) TY 4	EA	1.000		7.000						8.000	
	610-6236	IN RD IL (TY ST) 40B-4 (250W EQ) LED	EA					10.000				10.000	
	610-6254	IN RD IL (TY ST) 40T-8 (250W EQ) LED	EA					32.000				32.000	
	618-6023	CONDT (PVC) (SCH 40) (2")	LF					11,010.000				11,010.000	
	618-6046	CONDT (PVC) (SCH 80) (2")	LF					3,080.000				3,080.000	
	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	LF					440.000				440.000	
	620-6003	ELEC CONDR (NO.12) BARE	LF					980.000				980.000	
	620-6004	ELEC CONDR (NO.12) INSULATED	LF					1,960.000				1,960.000	
	620-6007	ELEC CONDR (NO.8) BARE	LF					1,000.000				1,000.000	
	620-6008	ELEC CONDR (NO.8) INSULATED	LF					6,160.000				6,160.000	
	620-6009	ELEC CONDR (NO.6) BARE	LF					11,030.000				11,030.000	
	620-6010	ELEC CONDR (NO.6) INSULATED	LF					36,640.000				36,640.000	
	620-6014	ELEC CONDR (NO.3) INSULATED	LF					480.000				480.000	
	624-6004	GROUND BOX TY B (122322)W/APRON	EA					26.000				26.000	
	624-6010	GROUND BOX TY D (162922)W/APRON	EA					4.000				4.000	



SHEET REPLACED BY ADDENDUM #2
10/25/2024

DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48F



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	628-6319	ELC SRV TY C 120/240 100(NS)AL(E)SF(U)	EA					3.000				3.000	
	636-6002	ALUMINUM SIGNS (TY G)	SF	155.000				851.000				1,006.000	
	644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	39.000		39.000		33.000		1.000		112.000	
	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	EA	20.000		78.000		24.000				122.000	
	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	7.000		103.000		51.000		1.000		162.000	
	644-6028	IN SM RD SN SUP&AM TYS80(1)SA(P-BM)	EA	4.000								4.000	
	644-6030	IN SM RD SN SUP&AM TYS80(1)SA(T)	EA	2.000				4.000				6.000	
	644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)	EA			2.000		2.000				4.000	
	644-6034	IN SM RD SN SUP&AM TYS80(1)SA(U-1EXT)	EA	1.000		2.000						3.000	
	644-6035	IN SM RD SN SUP&AM TYS80(1)SA(U-2EXT)	EA			18.000		6.000				24.000	
	644-6051	IN SM RD SN SUP&AM TYS80(2)SA(P-EXAL)	EA	1.000		5.000		5.000		1.000		12.000	
	644-6068	RELOCATE SM RD SN SUP&AM TY 10BWG	EA	9.000		3.000						12.000	
	644-6076	REMOVE SM RD SN SUP&AM	EA	25.000		111.000		1.000		5.000		142.000	
	647-6001	INSTALL LRSS (STRUCT STEEL)	LB	874.000				5,334.000				6,208.000	
	658-6014	INSTL DEL ASSM (D-SW)SZ (BRF)CTB (BI)	EA	14.000								14.000	
	658-6060	REMOVE DELIN & OBJECT MARKER ASSMS	EA	6.000								6.000	
	658-6061	INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2	EA	37.000		232.000		122.000				391.000	
	658-6080	INSTL DEL ASSM (D-SW)SZ 1(WFLX)GND	EA	12.000								12.000	
	658-6081	INSTL DEL ASSM (D-SW)SZ 1(WFLX)GND(BI)	EA	4.000								4.000	
	658-6095	INSTL DEL ASSM (D-DY)SZ 1(YFLX)GND	EA	12.000		44.000		10.000				66.000	
	658-6099	INSTL OM ASSM (OM-2Z)(WFLX)GND	EA	182.000		58.000		2.000				242.000	
	658-6100	INSTL OM ASSM (OM-2Z)(WFLX)GND(BI)	EA	9.000		75.000		9.000				93.000	
	658-6103	INSTL OM ASSM (OM-3L)(WFLX)GND)GND	EA	2.000								2.000	
	658-6106	INSTL OM ASSM (OM-3R)(WFLX)GND)GND	EA	2.000								2.000	
	662-6048	WK ZN PAV MRK REMOV (REFL) TY I-C	EA	7.000		2.000		33.000				42.000	
	662-6050	WK ZN PAV MRK REMOV (REFL) TY II-A-A	EA	685.000		1,907.000		515.000				3,107.000	
	662-6056	WK ZN PAV MRK REMOV (TRAF BTN) TY W	EA	10,856.000		30,173.000		9,226.000				50,255.000	
	662-6063	WK ZN PAV MRK REMOV (W)4"(SLD)	LF	49,771.000		150,743.000		43,427.000				243,941.000	
	662-6071	WK ZN PAV MRK REMOV (W)8"(SLD)	LF	134.000				649.000				783.000	
	662-6075	WK ZN PAV MRK REMOV (W)24"(SLD)	LF	253.000		85.000		109.000				447.000	
	662-6080	WK ZN PAV MRK REMOV (W)(ARROW)	EA					2.000				2.000	
	662-6090	WK ZN PAV MRK REMOV (W)(WORD)	EA			1.000		1.000				2.000	
	662-6095	WK ZN PAV MRK REMOV (Y)4"(SLD)	LF	51,307.000		149,666.000		36,930.000				237,903.000	
	662-6102	WK ZN PAV MRK REMOV (Y)24"(SLD)	LF					243.000				243.000	
	666-6018	REFL PAV MRK TY I (W)6"(DOT)(100MIL)	LF	189.000				1,120.000				1,309.000	

2 SHEET REPLACED BY ADDENDUM #2
10/25/2024

DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48G



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	666-6030	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF	456.000		1,278.000		264.000				1,998.000	
	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	10,944.000		31,828.000		14,193.000		360.000		57,325.000	
	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	LF					1,048.000				1,048.000	
	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	140.000		187.000		40.000		48.000		415.000	
	666-6102	REF PAV MRK TY I(W)36"(YLD TRI)(100MIL)	EA	40.000		104.000		40.000		4.000		188.000	
	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	LF			386.000		757.000		102.000		1,245.000	
	666-6306	RE PM W/RET REQ TY I (W)6"(BRK)(100MIL)	LF	11,914.000		26,120.000		7,500.000				45,534.000	
	666-6309	RE PM W/RET REQ TY I (W)6"(SLD)(100MIL)	LF	77,622.000		112,857.000		85,700.000		3,213.000		279,392.000	
	666-6318	RE PM W/RET REQ TY I (Y)6"(BRK)(100MIL)	LF	1,780.000								1,780.000	
	666-6321	RE PM W/RET REQ TY I (Y)6"(SLD)(100MIL)	LF	66,908.000		113,072.000		51,291.000		5,766.000		237,037.000	
	668-6072	PREFAB PAV MRK TY C (W) (8") (SLD)	LF			40.000						40.000	
	668-6077	PREFAB PAV MRK TY C (W) (ARROW)	EA	9.000		46.000		23.000		1.000		79.000	
	668-6080	PREFAB PAV MRK TY C (W) (UTURN ARROW)	EA	16.000		32.000		8.000				56.000	
	668-6083	PREFAB PAV MRK TY C (W) (LNDP ARROW)	EA	2.000		2.000		6.000				10.000	
	668-6085	PREFAB PAV MRK TY C (W) (WORD)	EA	25.000		77.000		31.000		1.000		134.000	
	672-6007	REFL PAV MRKR TY I-C	EA	548.000		1,636.000		522.000		3.000		2,709.000	
	672-6009	REFL PAV MRKR TY II-A-A	EA	485.000		382.000		497.000		155.000		1,519.000	
	672-6010	REFL PAV MRKR TY II-C-R	EA	663.000		1,286.000		592.000				2,541.000	
	677-6001	ELIM EXT PAV MRK & MRKS (4")	LF	100,434.000		305,608.000		8,678.000				414,720.000	
	677-6003	ELIM EXT PAV MRK & MRKS (8")	LF	134.000		40.000						174.000	
	677-6007	ELIM EXT PAV MRK & MRKS (24")	LF	253.000		25.000						278.000	
	740-6005	ANTI - GRAFFITI COATNG(PERMNENT-TY III)	SF							11,567.000		11,567.000	
	760-6001	DITCH CLEANING AND RESHAPING (FOOT)	LF	5,712.000								5,712.000	
	3077-6001	SP MIXES SP-B PG64-22	TON	44,634.000		101,143.000		35,552.000				181,329.000	
	3077-6011	SP MIXES SP-C PG64-22	TON			682.000		4,700.000		1,008.000		6,390.000	
	3077-6042	SP MIXES SP-D SAC-A PG64-22	TON	25,039.000		55,356.000		17,388.000				97,783.000	
	3077-6075	TACK COAT	GAL	13,741.000		30,238.000		9,557.000				53,536.000	
	3088-6001	CEMENT	TON							95.000		95.000	
	3088-6002	ASPHALT BINDER (PG 64-22)	TON							228.000		228.000	
	3088-6007	FOAMED ASPHALT TREAT (8") (DC)	SY							24,320.000		24,320.000	
	4021-6001	TIP TESTING(DRILL SHAFT)	EA	4.000		16.000						20.000	
	18	LAW ENFORCEMENT: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000								1.000	
		ELECTRICAL: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000								1.000	

2 SHEET REPLACED BY ADDENDUM #2
10/25/2024

DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48H



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0117-03-024

DISTRICT Bryan
HIGHWAY FM 39, US 190

COUNTY Madison

CONTROL SECTION JOB				0117-03-024		0117-04-031		0117-10-001		0639-02-028		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00075554		A00075644		A00127048		A00124237			
COUNTY				Madison		Madison		Madison		Madison			
HIGHWAY				US 190		US 190		US 190		FM 39			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	18	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (PART)	LS	1.000								1.000	
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000								1.000	
		RAILROAD FLAGGING: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000								1.000	



SHEET REPLACED BY ADDENDUM #2
10/25/2024



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Madison	0117-03-024	48I

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES

LOCATION	STATION LIMITS		400 6008	401 6001	403 6001	460 6003	508 6001	512 6001	512 6025	512 6049	545 6002
			CUT & RESTORE ASPH PAVING	FLOWABLE BACKFILL	TEMPORARY SPL SHORING	CMP (GAL STL 24 IN)	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (MOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (SGL SLP) (TY 1)	CRASH CUSH ATTEN (DES SOURCE)
			SY	CY	SF	LF	SY	LF	LF	LF	EA
0117-03-024											
PHASE 1											
SHEET 1	Begin	TO	1894+00.00					810			1
SHEET 2	1894+00.00	TO	1905+00.00			281		540			
SHEET 3	1905+00.00	TO	1916+00.00			160	707	420			2
SHEET 4	1916+00.00	TO	1927+00.00								
SHEET 5	1927+00.00	TO	1938+00.00								
SHEET 6	1938+00.00	TO	1949+00.00								
SHEET 7	1949+00.00	TO	1960+00.00				184				
SHEET 8	1960+00.00	TO	1971+00.00	64			560				
SHEET 9	1971+00.00	TO	1982+00.00								
SHEET 10	1982+00.00	TO	1993+00.00								
SHEET 11	1993+00.00	TO	2004+00.00		1044						
SHEET 12	2004+00.00	TO	2015+00.00								
SHEET 13	2015+00.00	TO	2026+00.00								
SHEET 14	2026+00.00	TO	2037+00.00								
SHEET 15	2037+00.00	TO	2048+00.00		1968						
SHEET 16	2048+00.00	TO	2059+00.00								
SHEET 17	2059+00.00	TO	2070+00.00	37							
SHEET 18	2070+00.00	TO	2081+00.00								
SHEET 19	2081+00.00	TO	2092+00.00								
SHEET 20	2092+00.00	TO	2103+00.00								
SHEET 21	2103+00.00	TO	2114+00.00					102			1
SHEET 22	2114+00.00	TO	2125+00.00			49		828			1
SHEET 88 (STEP 1)/ 86 (STEP 2)	12+22.74 (N CR 439)	TO	17+22.74 (N CR 439)					540		270	2
SHEET 89 (Step 1)/ 87 (STEP 2)	12+00 (Business SH 21)	TO	End (Business SH 21)					420		420	2
PROJECT TOTALS			101		3012	490	1451	3660		690	9

LOCATION	STATION LIMITS		545 6003	545 6005	662 6048	662 6050	662 6056	662 6063	662 6071	662 6075	662 6095
			CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	WK ZN PAV MRK REMOV (REFL) TY I-C	WK ZN PAV MRK REMOV (REFL) TY II-A-A	WK ZN PAV MRK REMOV (TRAF BTN) TY W	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 8" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (Y) 4" (SLD)
			EA	EA	EA	EA	EA	LF	LF	LF	LF
0117-03-024											
PHASE 1											
SHEET 1	Begin	TO	1894+00.00				568	1676			1162
SHEET 2	1894+00.00	TO	1905+00.00			3	698	1987			1702
SHEET 3	1905+00.00	TO	1916+00.00	1		21	929	2454			3830
SHEET 4	1916+00.00	TO	1927+00.00			28	440	2200			2200
SHEET 5	1927+00.00	TO	1938+00.00			28	440	2200			2200
SHEET 6	1938+00.00	TO	1949+00.00			28	440	2200			2200
SHEET 7	1949+00.00	TO	1960+00.00			28	440	2200			2200
SHEET 8	1960+00.00	TO	1971+00.00			28	440	2200			2200
SHEET 9	1971+00.00	TO	1982+00.00			28	436	2178			2178
SHEET 10	1982+00.00	TO	1993+00.00			28	438	2186			2186
SHEET 11	1993+00.00	TO	2004+00.00			28	440	2200			2200
SHEET 12	2004+00.00	TO	2015+00.00			28	440	2200			2200
SHEET 13	2015+00.00	TO	2026+00.00			28	440	2200			2200
SHEET 14	2026+00.00	TO	2037+00.00			28	440	2200			2200
SHEET 15	2037+00.00	TO	2048+00.00			28	440	2200			2200
SHEET 16	2048+00.00	TO	2059+00.00			28	440	2200			2200
SHEET 17	2059+00.00	TO	2070+00.00			28	440	2200			2200
SHEET 18	2070+00.00	TO	2081+00.00			28	440	2200			2200
SHEET 19	2081+00.00	TO	2092+00.00			28	442	2206			2206
SHEET 20	2092+00.00	TO	2103+00.00			26	408	2038			2038
SHEET 21	2103+00.00	TO	2114+00.00	1		28	438	2188			2188
SHEET 22	2114+00.00	TO	2125+00.00	1	7	137	438	2187	134	253	3253
SHEET 88 (STEP 1)/ 86 (STEP 2)	12+22.74 (N CR 439)	TO	17+22.74 (N CR 439)	2		12	191	955			955
SHEET 89 (Step 1)/ 87 (STEP 2)	12+00 (Business SH 21)	TO	End (Business SH 21)	2		10	150	749			732
PROJECT TOTALS			7	7	685	10856	49404	134	253	51030	

NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISIONS	SAJ

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 1 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	49	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		400	401	403	460	508	512	512	512	545	545	545	662
			6008	6001	6001	6003	6001	6001	6025	6049	6002	6003	6005	6048
			CUT & RESTORE ASPH PAVING	FLOWABLE BACKFILL	TEMPORARY SPL SHORING	CMP (GAL STL 24 IN)	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (MOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (SGL SLP) (TY 1)	CRASH CUSH ATTN (DES SOURCE)	CRASH CUSH ATTN (MOVE & RESET)	CRASH CUSH ATTN (REMOVE)	WK ZN PAV MRK REMOV (REFL) TY I-C
			SY	CY	SF	LF	SY	LF	LF	EA	EA	EA	EA	
0117-03-024														
PHASE 2														
SHEET 1	Begin	TO	1894+00.00					825	825			1	1	
SHEET 2	1894+00.00	TO	1905+00.00	33				1,588	1,588					
SHEET 3	1905+00.00	TO	1916+00.00	19				558	558			1	1	
SHEET 4	1916+00.00	TO	1927+00.00											
SHEET 5	1927+00.00	TO	1938+00.00											
SHEET 6	1938+00.00	TO	1949+00.00											
SHEET 7	1949+00.00	TO	1960+00.00											
SHEET 8	1960+00.00	TO	1971+00.00											
SHEET 9	1971+00.00	TO	1982+00.00											
SHEET 10	1982+00.00	TO	1993+00.00											
SHEET 11	1993+00.00	TO	2004+00.00											
SHEET 12	2004+00.00	TO	2015+00.00											
SHEET 13	2015+00.00	TO	2026+00.00											
SHEET 14	2026+00.00	TO	2037+00.00											
SHEET 15	2037+00.00	TO	2048+00.00											
SHEET 16	2048+00.00	TO	2059+00.00											
SHEET 17	2059+00.00	TO	2070+00.00											
SHEET 18	2070+00.00	TO	2081+00.00											
SHEET 19	2081+00.00	TO	2092+00.00											
SHEET 20	2092+00.00	TO	2103+00.00											
SHEET 21	2103+00.00	TO	2114+00.00											
SHEET 22	2114+00.00	TO	2125+00.00	3										
SHEET 86	12+22.74 (N CR 439)	TO	17+22.74 (N CR 439)											
SHEET 87	12+00 (Business SH 21)	TO	End (Business SH 21)											
PROJECT TOTALS				54				2971	2971			2	2	

LOCATION	STATION LIMITS		662	662	662	662	662	662	677	677	677
			6050	6056	6063	6071	6075	6095	6001	6003	6007
			WK ZN PAV MRK REMOV (REFL) TY II-A-A	WK ZN PAV MRK REMOV (TRAF BTN) TY W	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 8" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (Y) 4" (SLD)	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (8")	ELIM EXT PAV MRK & MRKS (24")
			EA	EA	LF	LF	LF	LF	LF	LF	
0117-03-024											
PHASE 2											
SHEET 1	Begin	TO	1894+00.00						2838		
SHEET 2	1894+00.00	TO	1905+00.00						3689		
SHEET 3	1905+00.00	TO	1916+00.00						6284		
SHEET 4	1916+00.00	TO	1927+00.00			367			4400		
SHEET 5	1927+00.00	TO	1938+00.00					277	4400		
SHEET 6	1938+00.00	TO	1949+00.00						4400		
SHEET 7	1949+00.00	TO	1960+00.00						4400		
SHEET 8	1960+00.00	TO	1971+00.00						4400		
SHEET 9	1971+00.00	TO	1982+00.00						4356		
SHEET 10	1982+00.00	TO	1993+00.00						4372		
SHEET 11	1993+00.00	TO	2004+00.00						4400		
SHEET 12	2004+00.00	TO	2015+00.00						4400		
SHEET 13	2015+00.00	TO	2026+00.00						4400		
SHEET 14	2026+00.00	TO	2037+00.00						4400		
SHEET 15	2037+00.00	TO	2048+00.00						4400		
SHEET 16	2048+00.00	TO	2059+00.00						4400		
SHEET 17	2059+00.00	TO	2070+00.00						4400		
SHEET 18	2070+00.00	TO	2081+00.00						4400		
SHEET 19	2081+00.00	TO	2092+00.00						4412		
SHEET 20	2092+00.00	TO	2103+00.00						4076		
SHEET 21	2103+00.00	TO	2114+00.00						4376		
SHEET 22	2114+00.00	TO	2125+00.00						5440	134	
SHEET 86	12+22.74 (N CR 439)	TO	17+22.74 (N CR 439)						1910	253	
SHEET 87	12+00 (Business SH 21)	TO	End (Business SH 21)						1481		
PROJECT TOTALS						367		277	100434	134	

2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 2 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	50
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS	401	460	508	662	662	662	662	662	662	662	662	
		6001	6003	6001	6048	6050	6056	6063	6071	6075	6080	6090	6095
		FLOWABLE BACKFILL	CMP (GAL STL 24 IN)	CONSTRUCTING DETOURS	WK ZN PAV MRK REMOV (REFL) TY I-C	WK ZN PAV MRK REMOV (REFL) TY II-A-A	WK ZN PAV MRK REMOV (TRAF BTN) TY W	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 8" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (W) (ARROW)	WK ZN PAV MRK REMOV (W) (WORD)	WK ZN PAV MRK REMOV (Y) 4" (SLD)
		CY	LF	SY	EA	EA	EA	LF	LF	LF	EA	EA	LF
0117-10-001													
PHASE 1													
SHEET 23	2125+00.00 TO 2136+00.00			308	16	135	656	3276	319	52			4349
SHEET 24	2136+00.00 TO 2147+00.00					28	438	2187					2188
SHEET 25	2147+00.00 TO 2158+00.00					28	440	2198					2198
SHEET 26	2158+00.00 TO 2169+00.00					28	442	2208					2208
SHEET 27	2169+00.00 TO 2180+00.00					28	442	2208					2208
SHEET 28	2180+00.00 TO 2191+00.00					28	442	2208					2208
SHEET 29	2191+00.00 TO 2202+00.00					28	442	2208					2208
SHEET 30	2202+00.00 TO 2213+00.00					28	442	2208					2208
SHEET 31	2213+00.00 TO 2224+00.00					28	442	2208					2208
SHEET 32	2224+00.00 TO 2235+00.00					28	442	2208					2208
SHEET 33	2235+00.00 TO 2246+00.00			46		28	442	2208					2208
SHEET 34	2246+00.00 TO 2257+00.00		245	2006		28	443	2212					2212
SHEET 35	2257+00.00 TO 2268+00.00					28	442	2209					2210
SHEET 36	2268+00.00 TO 2275+00.00		324	2206	17	18	281	1405	330	57	2	1	1404
SHEET 86	INTERCHANGE (NORTH END)												
SHEET 87	INTERCHANGE (SOUTH END)												
FM 39													
SHEET 90/88/1	110+00.00 TO 121+00.00												
SHEET 91/89/2	121+00.00 TO 132+00.00						441	2205					
SHEET 92/90/3	132+00.00 TO 143+00.00						441	2203					
SHEET 93/91/4	143+00.00 TO 154+00.00			53			440	2200					
SHEET 94/92/5	154+00.00 TO 165+00.00			974			284	1419					
SHEET 95/93/6	165+00.00 TO End			651			131	651					
PROJECT TOTALS			569	7817	33	489	7973	39829	649	109	2	1	32225

LOCATION	STATION LIMITS	662	677	677	677	677	677
		6102	6001	6003	6007	6008	6012
		WK ZN PAV MRK REMOV (Y) 24" (SLD)	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (8")	ELIM EXT PAV MRK & MRKS (24")	ELIM EXT PAV MRK & MRKS (ARROW)	ELIM EXT PAV MRK & MRKS (WORD)
		LF	LF	LF	LF	EA	EA
0117-10-001							
PHASE 1							
SHEET 23	2125+00.00 TO 2136+00.00	243					
SHEET 24	2136+00.00 TO 2147+00.00						
SHEET 25	2147+00.00 TO 2158+00.00						
SHEET 26	2158+00.00 TO 2169+00.00						
SHEET 27	2169+00.00 TO 2180+00.00						
SHEET 28	2180+00.00 TO 2191+00.00						
SHEET 29	2191+00.00 TO 2202+00.00						
SHEET 30	2202+00.00 TO 2213+00.00						
SHEET 31	2213+00.00 TO 2224+00.00						
SHEET 32	2224+00.00 TO 2235+00.00						
SHEET 33	2235+00.00 TO 2246+00.00						
SHEET 34	2246+00.00 TO 2257+00.00						
SHEET 35	2257+00.00 TO 2268+00.00						
SHEET 36	2268+00.00 TO 2275+00.00						
SHEET 86	INTERCHANGE (NORTH END)						
SHEET 87	INTERCHANGE (SOUTH END)						
FM 39							
SHEET 90/88/1	110+00.00 TO 121+00.00						
SHEET 91/89/2	121+00.00 TO 132+00.00					2205	
SHEET 92/90/3	132+00.00 TO 143+00.00					2203	
SHEET 93/91/4	143+00.00 TO 154+00.00					2200	
SHEET 94/92/5	154+00.00 TO 165+00.00					1419	
SHEET 95/93/6	165+00.00 TO End					651	
PROJECT TOTALS		243	8678				

2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

STATE OF TEXAS
STEPHEN A. JOHNSON
103591
PROFESSIONAL ENGINEER
6/20/2024

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 3 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	51
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

2

LOCATION	STATION LIMITS		401	460	508	662	662	662	662	662	662	662	
			6001	6003	6001	6048	6050	6056	6063	6071	6075	6080	6090
			FLOWABLE BACKFILL	CMP (GAL STL 24 IN)	CONSTRUCTING DETOURS	WK ZN PAV MRK REMOV (REFL) TY I-C	WK ZN PAV MRK REMOV (REFL) TY II-A-A	WK ZN PAV MRK REMOV (TRAF BTN) TY W	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 8" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (W) (ARROW)	WK ZN PAV MRK REMOV (W) (WORD)
			CY	LF	SY	EA	EA	EA	LF	LF	LF	EA	EA
0117-10-001													
PHASE 2													
SHEET 23	2125+00.00	TO	2136+00.00										
SHEET 24	2136+00.00	TO	2147+00.00										
SHEET 25	2147+00.00	TO	2158+00.00										
SHEET 26	2158+00.00	TO	2169+00.00										
SHEET 27	2169+00.00	TO	2180+00.00										
SHEET 28	2180+00.00	TO	2191+00.00										
SHEET 29	2191+00.00	TO	2202+00.00										
SHEET 30	2202+00.00	TO	2213+00.00										
SHEET 31	2213+00.00	TO	2224+00.00										
SHEET 32	2224+00.00	TO	2235+00.00										
SHEET 33	2235+00.00	TO	2246+00.00					342	854				
SHEET 34	2246+00.00	TO	2257+00.00					501	698				
SHEET 35	2257+00.00	TO	2268+00.00				8	128	640				
SHEET 36	2268+00.00	TO	2275+00.00	40			18	282	1406				
SHEET 88	INTERCHANGE (SOUTH END)												
PROJECT TOTALS			40				26	1253	3598				

LOCATION	STATION LIMITS		662	662	677	677	677	677	677
			6095	6102	6001	6003	6007	6008	6012
			WK ZN PAV MRK REMOV (Y) 4" (SLD)	WK ZN PAV MRK REMOV (Y) 24" (SLD)	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (8")	ELIM EXT PAV MRK & MRKS (24")	ELIM EXT PAV MRK & MRKS (ARROW)	ELIM EXT PAV MRK & MRKS (WORD)
			LF	LF	LF	LF	LF	EA	EA
0117-10-001									
PHASE 2									
SHEET 23	2125+00.00	TO	2136+00.00						
SHEET 24	2136+00.00	TO	2147+00.00						
SHEET 25	2147+00.00	TO	2158+00.00						
SHEET 26	2158+00.00	TO	2169+00.00						
SHEET 27	2169+00.00	TO	2180+00.00						
SHEET 28	2180+00.00	TO	2191+00.00						
SHEET 29	2191+00.00	TO	2202+00.00						
SHEET 30	2202+00.00	TO	2213+00.00						
SHEET 31	2213+00.00	TO	2224+00.00						
SHEET 32	2224+00.00	TO	2235+00.00						
SHEET 33	2235+00.00	TO	2246+00.00	853					
SHEET 34	2246+00.00	TO	2257+00.00	1806					
SHEET 35	2257+00.00	TO	2268+00.00	640					
SHEET 36	2268+00.00	TO	2275+00.00	1406					
SHEET 88	INTERCHANGE (SOUTH END)								
PROJECT TOTALS			4705						

2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

US 190

SUMMARY OF QUANTITIES

SHEET 4 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		52
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS	401	460	508	662	662	662	662	662	662	662	
		6001	6003	6001	6048	6050	6056	6063	6071	6075	6080	6090
		FLOWABLE BACKFILL	CMP (GAL STL 24 IN)	CONSTRUCTING DETOURS	WK ZN PAV MRK REMOV (REFL) TY I-C	WK ZN PAV MRK REMOV (REFL) TY I-A-A	WK ZN PAV MRK REMOV (TRAF BTN) TY W	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 8" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (W) (ARROW)	WK ZN PAV MRK REMOV (W) (WORD)
		CY	LF	SY	EA	EA	EA	LF	LF	LF	EA	EA
0117-10-001												
PHASE 3												
SHEET 1	2235+00.00 TO 2246+00.00											
SHEET 2	2246+00.00 TO 2257+00.00	28										
SHEET 3	2257+00.00 TO 2268+00.00											
SHEET 4	2268+00.00 TO 2275+00.00											
PROJECT TOTALS		28										


2

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6/20/2024



3755 S. Capital of Texas Highway
 Suite 325
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 TBPELS Firm 5713



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US 190

SUMMARY OF QUANTITIES

SHEET 5 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		53
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		400	401	403	460	460	508	512	512	
			6008	6001	6001	6003	6005	6001	6001	6025	
			CUT & RESTORE ASPH PAVING	FLOWABLE BACKFILL	TEMPORARY SPL SHORING	CMP (GAL STL 24 IN)	CMP (GAL STL 36 IN)	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (MOVE) (SGL SLP) (TY 1)	
			SY	CY	SF	LF	LF	SY	LF	LF	
0117-04-031											
PHASE 1											
SHEET 36	2275+00.00	TO	2279+00.00					956	270		
SHEET 37	2279+00.00	TO	2290+00.00								
SHEET 38	2290+00.00	TO	2301+00.00								
SHEET 39	2301+00.00	TO	2312+00.00			480	180	1023	1,290		
SHEET 40	2312+00.00	TO	2323+00.00				55	948	519		
SHEET 41	2323+00.00	TO	2334+00.00					18	171		
SHEET 42	2334+00.00	TO	2345+00.00			4728			390		
SHEET 43	2345+00.00	TO	2356+00.00			864					
SHEET 44	2356+00.00	TO	2367+00.00			600			390		
SHEET 45	2367+00.00	TO	2378+00.00								
SHEET 46	2378+00.00	TO	2389+00.00								
SHEET 47	2389+00.00	TO	2400+00.00						13		
SHEET 48	2400+00.00	TO	2411+00.00						377		
SHEET 49	2411+00.00	TO	2422+00.00								
SHEET 50	2422+00.00	TO	2433+00.00								
SHEET 51	2433+00.00	TO	2444+00.00								
SHEET 52	2444+00.00	TO	2455+00.00						21		
SHEET 53	2455+00.00	TO	2466+00.00					260	1,239		
SHEET 54	2466+00.00	TO	2477+00.00						50		
SHEET 55	2477+00.00	TO	2488+00.00								
SHEET 56	2488+00.00	TO	2499+00.00								
SHEET 57	2499+00.00	TO	2510+00.00								
SHEET 58	2510+00.00	TO	2521+00.00			98					
SHEET 59	2521+00.00	TO	2532+00.00								
SHEET 60	2532+00.00	TO	2543+00.00								
SHEET 61	2543+00.00	TO	2554+00.00								
SHEET 62	2554+00.00	TO	2565+00.00								
SHEET 63	2565+00.00	TO	2576+00.00								
SHEET 64	2576+00.00	TO	2587+00.00			1260					
SHEET 65	2587+00.00	TO	2598+00.00								
SHEET 66	2598+00.00	TO	2609+00.00			1608					
SHEET 67	2609+00.00	TO	2620+00.00								
SHEET 68	2620+00.00	TO	2631+00.00								
SHEET 69	2631+00.00	TO	2642+00.00								
SHEET 70	2642+00.00	TO	2653+00.00								
SHEET 71	2653+00.00	TO	2664+00.00								
SHEET 72	2664+00.00	TO	2675+00.00								
SHEET 73	2675+00.00	TO	2686+00.00								
SHEET 74	2686+00.00	TO	2697+00.00						55		
SHEET 75	2697+00.00	TO	2708+00.00								
SHEET 76	2708+00.00	TO	2719+00.00								
SHEET 77	2719+00.00	TO	2730+00.00								
SHEET 78	2730+00.00	TO	2741+00.00								
SHEET 79	2741+00.00	TO	2752+00.00								
SHEET 80	2752+00.00	TO	2763+00.00								
SHEET 81	2763+00.00	TO	2774+00.00								
SHEET 82	2774+00.00	TO	2785+00.00								
SHEET 83	2785+00.00	TO	2796+00.00								
SHEET 84	2796+00.00	TO	2807+00.00								
SHEET 85	2807+00.00	TO	End								
PROJECT TOTALS						98	9540	660	260	8778	10200

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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

STATE OF TEXAS
STEPHEN A. JOHNSON
103591
PROFESSIONAL ENGINEER
6/20/2024

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 6 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	54	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		512	545	545	545	662	662	662	662
			6049	6002	6003	6005	6048	6050	6056	6063
			PORT CTB (REMOVE) (SGL SLP) (TY 1)	CRASH CUSH ATTEN (DES SOURCE)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	WK ZN PAV MRK REMOV (REFL) TY I-C	WK ZN PAV MRK REMOV (REFL) TY II-A-A	WK ZN PAV MRK REMOV (TRAF BTN) TY W	WK ZN PAV MRK REMOV (W) 4" (SLD)
			LF	EA	EA	EA	EA	EA	EA	LF
0117-04-031										
PHASE 1										
SHEET 36	2275+00.00	TO	2279+00.00							
SHEET 37	2279+00.00	TO	2290+00.00							
SHEET 38	2290+00.00	TO	2301+00.00							
SHEET 39	2301+00.00	TO	2312+00.00							
SHEET 40	2312+00.00	TO	2323+00.00							
SHEET 41	2323+00.00	TO	2334+00.00							
SHEET 42	2334+00.00	TO	2345+00.00							
SHEET 43	2345+00.00	TO	2356+00.00							
SHEET 44	2356+00.00	TO	2367+00.00							
SHEET 45	2367+00.00	TO	2378+00.00							
SHEET 46	2378+00.00	TO	2389+00.00							
SHEET 47	2389+00.00	TO	2400+00.00							
SHEET 48	2400+00.00	TO	2411+00.00							
SHEET 49	2411+00.00	TO	2422+00.00							
SHEET 50	2422+00.00	TO	2433+00.00							
SHEET 51	2433+00.00	TO	2444+00.00							
SHEET 52	2444+00.00	TO	2455+00.00							
SHEET 53	2455+00.00	TO	2466+00.00							
SHEET 54	2466+00.00	TO	2477+00.00							
SHEET 55	2477+00.00	TO	2488+00.00							
SHEET 56	2488+00.00	TO	2499+00.00							
SHEET 57	2499+00.00	TO	2510+00.00							
SHEET 58	2510+00.00	TO	2521+00.00							
SHEET 59	2521+00.00	TO	2532+00.00							
SHEET 60	2532+00.00	TO	2543+00.00							
SHEET 61	2543+00.00	TO	2554+00.00							
SHEET 62	2554+00.00	TO	2565+00.00							
SHEET 63	2565+00.00	TO	2576+00.00							
SHEET 64	2576+00.00	TO	2587+00.00							
SHEET 65	2587+00.00	TO	2598+00.00							
SHEET 66	2598+00.00	TO	2609+00.00							
SHEET 67	2609+00.00	TO	2620+00.00							
SHEET 68	2620+00.00	TO	2631+00.00							
SHEET 69	2631+00.00	TO	2642+00.00							
SHEET 70	2642+00.00	TO	2653+00.00							
SHEET 71	2653+00.00	TO	2664+00.00							
SHEET 72	2664+00.00	TO	2675+00.00							
SHEET 73	2675+00.00	TO	2686+00.00							
SHEET 74	2686+00.00	TO	2697+00.00							
SHEET 75	2697+00.00	TO	2708+00.00							
SHEET 76	2708+00.00	TO	2719+00.00							
SHEET 77	2719+00.00	TO	2730+00.00							
SHEET 78	2730+00.00	TO	2741+00.00							
SHEET 79	2741+00.00	TO	2752+00.00							
SHEET 80	2752+00.00	TO	2763+00.00							
SHEET 81	2763+00.00	TO	2774+00.00							
SHEET 82	2774+00.00	TO	2785+00.00							
SHEET 83	2785+00.00	TO	2796+00.00							
SHEET 84	2796+00.00	TO	2807+00.00							
SHEET 85	2807+00.00	TO	End							
PROJECT TOTALS										
			3570	46		19	2	580	9123	45565

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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 7 OF 43


FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		55
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.


SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS			662	662	662	662	668	677
				6075	6080	6090	6095	6072	6001
				WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (W) (ARROW)	WK ZN PAV MRK REMOV (W) (WORD)	WK ZN PAV MRK REMOV (Y) 4" (SLD)	PREFAB PAV MRK TY C (W) (8") (SLD)	ELIM EXT PAV MRK & MRKS (4")
			LF	EA	EA	LF	LF	LF	
0117-04-031									
PHASE 1									
SHEET 36	2275+00.00	TO	2279+00.00			1	818	40	
SHEET 37	2279+00.00	TO	2290+00.00				76		
SHEET 38	2290+00.00	TO	2301+00.00				1794		
SHEET 39	2301+00.00	TO	2312+00.00				2177		
SHEET 40	2312+00.00	TO	2323+00.00				2165		
SHEET 41	2323+00.00	TO	2334+00.00				462		
SHEET 42	2334+00.00	TO	2345+00.00						
SHEET 43	2345+00.00	TO	2356+00.00						
SHEET 44	2356+00.00	TO	2367+00.00						
SHEET 45	2367+00.00	TO	2378+00.00						
SHEET 46	2378+00.00	TO	2389+00.00						
SHEET 47	2389+00.00	TO	2400+00.00						
SHEET 48	2400+00.00	TO	2411+00.00						
SHEET 49	2411+00.00	TO	2422+00.00						
SHEET 50	2422+00.00	TO	2433+00.00				100		
SHEET 51	2433+00.00	TO	2444+00.00				2202		
SHEET 52	2444+00.00	TO	2455+00.00	30			2209		
SHEET 53	2455+00.00	TO	2466+00.00				2215		
SHEET 54	2466+00.00	TO	2477+00.00				1341		
SHEET 55	2477+00.00	TO	2488+00.00						
SHEET 56	2488+00.00	TO	2499+00.00						
SHEET 57	2499+00.00	TO	2510+00.00						
SHEET 58	2510+00.00	TO	2521+00.00						
SHEET 59	2521+00.00	TO	2532+00.00						
SHEET 60	2532+00.00	TO	2543+00.00						
SHEET 61	2543+00.00	TO	2554+00.00						
SHEET 62	2554+00.00	TO	2565+00.00						
SHEET 63	2565+00.00	TO	2576+00.00						
SHEET 64	2576+00.00	TO	2587+00.00						
SHEET 65	2587+00.00	TO	2598+00.00						
SHEET 66	2598+00.00	TO	2609+00.00						
SHEET 67	2609+00.00	TO	2620+00.00				1252		
SHEET 68	2620+00.00	TO	2631+00.00				2204		
SHEET 69	2631+00.00	TO	2642+00.00				2200		
SHEET 70	2642+00.00	TO	2653+00.00				2196		
SHEET 71	2653+00.00	TO	2664+00.00				2176		
SHEET 72	2664+00.00	TO	2675+00.00				2200		
SHEET 73	2675+00.00	TO	2686+00.00	30			2198		
SHEET 74	2686+00.00	TO	2697+00.00				2198		
SHEET 75	2697+00.00	TO	2708+00.00				2200		
SHEET 76	2708+00.00	TO	2719+00.00				2202		
SHEET 77	2719+00.00	TO	2730+00.00				2207		
SHEET 78	2730+00.00	TO	2741+00.00	25			751		
SHEET 79	2741+00.00	TO	2752+00.00						
SHEET 80	2752+00.00	TO	2763+00.00						
SHEET 81	2763+00.00	TO	2774+00.00						
SHEET 82	2774+00.00	TO	2785+00.00						
SHEET 83	2785+00.00	TO	2796+00.00				2000		
SHEET 84	2796+00.00	TO	2807+00.00				2200		
SHEET 85	2807+00.00	TO	End				1601		
PROJECT TOTALS				85		1	45344	40	


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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV





3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713



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US 190

SUMMARY OF QUANTITIES

SHEET 8 OF 43			
FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	56	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		400	401	403	460	460	508	512	512
			6008	6001	6001	6003	6005	6001	6001	6025
			CUT & RESTORE ASPH PAVING	FLOWABLE BACKFILL	TEMPORARY SPL SHORING	CMP (GAL STL 24 IN)	CMP (GAL STL 36 IN)	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (MOVE) (SGL SLP) (TY 1)
			SY	CY	SF	LF	LF	SY	LF	LF
0117-04-031										
PHASE 2										
SHEET 36	2275+00.00	TO	2279+00.00							
SHEET 37	2279+00.00	TO	2290+00.00							
SHEET 38	2290+00.00	TO	2301+00.00							
SHEET 39	2301+00.00	TO	2312+00.00		21					42
SHEET 40	2312+00.00	TO	2323+00.00		7	480		99		198
SHEET 41	2323+00.00	TO	2334+00.00							
SHEET 42	2334+00.00	TO	2345+00.00							
SHEET 43	2345+00.00	TO	2356+00.00							
SHEET 44	2356+00.00	TO	2367+00.00							
SHEET 45	2367+00.00	TO	2378+00.00							
SHEET 46	2378+00.00	TO	2389+00.00							
SHEET 47	2389+00.00	TO	2400+00.00							
SHEET 48	2400+00.00	TO	2411+00.00							
SHEET 49	2411+00.00	TO	2422+00.00							
SHEET 50	2422+00.00	TO	2433+00.00							
SHEET 51	2433+00.00	TO	2444+00.00		68					330
SHEET 52	2444+00.00	TO	2455+00.00							
SHEET 53	2455+00.00	TO	2466+00.00					49		201
SHEET 54	2466+00.00	TO	2477+00.00		13	1464				39
SHEET 55	2477+00.00	TO	2488+00.00							
SHEET 56	2488+00.00	TO	2499+00.00							
SHEET 57	2499+00.00	TO	2510+00.00							
SHEET 58	2510+00.00	TO	2521+00.00							
SHEET 59	2521+00.00	TO	2532+00.00							
SHEET 60	2532+00.00	TO	2543+00.00							
SHEET 61	2543+00.00	TO	2554+00.00							
SHEET 62	2554+00.00	TO	2565+00.00							
SHEET 63	2565+00.00	TO	2576+00.00					48		
SHEET 64	2576+00.00	TO	2587+00.00							
SHEET 65	2587+00.00	TO	2598+00.00							
SHEET 66	2598+00.00	TO	2609+00.00							
SHEET 67	2609+00.00	TO	2620+00.00		16			48		538
SHEET 68	2620+00.00	TO	2631+00.00							92
SHEET 69	2631+00.00	TO	2642+00.00							
SHEET 70	2642+00.00	TO	2653+00.00							
SHEET 71	2653+00.00	TO	2664+00.00							
SHEET 72	2664+00.00	TO	2675+00.00							
SHEET 73	2675+00.00	TO	2686+00.00							
SHEET 74	2686+00.00	TO	2697+00.00							
SHEET 75	2697+00.00	TO	2708+00.00							
SHEET 76	2708+00.00	TO	2719+00.00							
SHEET 77	2719+00.00	TO	2730+00.00							
SHEET 78	2730+00.00	TO	2741+00.00		21					
SHEET 79	2741+00.00	TO	2752+00.00							
SHEET 80	2752+00.00	TO	2763+00.00					49		
SHEET 81	2763+00.00	TO	2774+00.00							
SHEET 82	2774+00.00	TO	2785+00.00							
SHEET 83	2785+00.00	TO	2796+00.00							
SHEET 84	2796+00.00	TO	2807+00.00							
SHEET 85	2807+00.00	TO	END							
PROJECT TOTALS					146	1944		293		1440

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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

US 190

SUMMARY OF QUANTITIES

SHEET 9 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		57
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

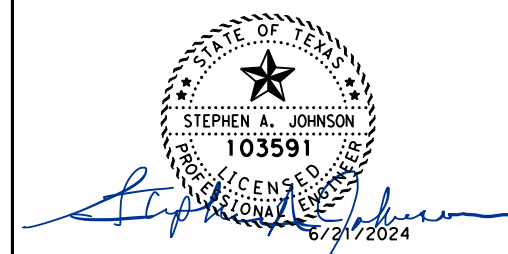
SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS			512	545	545	545	662	662	662	662	662
				6049	6002	6003	6005	6048	6050	6056	6063	6075
				PORT CTB (REMOVE) (SGL SLP) (TY 1)	CRASH CUSH ATTEN (DES SOURCE)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	WK ZN PAV MRK REMOV (REFL) TY I-C	WK ZN PAV MRK REMOV (REFL) TY II-A-A	WK ZN PAV MRK REMOV (TRAF BTN) TY W	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)
				LF	EA	EA	EA	EA	EA	EA	LF	LF
0117-04-031												
PHASE 2												
SHEET 36	2275+00.00	TO	2279+00.00						11	161	803	
SHEET 37	2279+00.00	TO	2290+00.00						28	441	2202	
SHEET 38	2290+00.00	TO	2301+00.00						28	440	2200	
SHEET 39	2301+00.00	TO	2312+00.00	42		1	1		28	446	2229	
SHEET 40	2312+00.00	TO	2323+00.00	198		1	1		28	446	2226	
SHEET 41	2323+00.00	TO	2334+00.00						26	409	2044	
SHEET 42	2334+00.00	TO	2345+00.00	390			2		28	441	2204	
SHEET 43	2345+00.00	TO	2356+00.00						28	441	2204	
SHEET 44	2356+00.00	TO	2367+00.00	390			2		28	441	2204	
SHEET 45	2367+00.00	TO	2378+00.00						28	441	2204	
SHEET 46	2378+00.00	TO	2389+00.00						28	441	2204	
SHEET 47	2389+00.00	TO	2400+00.00	13			1		28	441	2204	
SHEET 48	2400+00.00	TO	2411+00.00	377			1		28	441	2204	
SHEET 49	2411+00.00	TO	2422+00.00						28	441	2204	
SHEET 50	2422+00.00	TO	2433+00.00						28	441	2204	
SHEET 51	2433+00.00	TO	2444+00.00	540		1	4		28	441	2204	
SHEET 52	2444+00.00	TO	2455+00.00						25	397	1982	
SHEET 53	2455+00.00	TO	2466+00.00	201		1	1		28	438	2190	
SHEET 54	2466+00.00	TO	2477+00.00	39		1	1		28	528	2638	
SHEET 55	2477+00.00	TO	2488+00.00						28	526	2628	
SHEET 56	2488+00.00	TO	2499+00.00	298			1		28	442	2206	
SHEET 57	2499+00.00	TO	2510+00.00	1,100					28	441	2204	
SHEET 58	2510+00.00	TO	2521+00.00	342			1		28	440	2200	
SHEET 59	2521+00.00	TO	2532+00.00						28	441	2202	
SHEET 60	2532+00.00	TO	2543+00.00						28	443	2212	
SHEET 61	2543+00.00	TO	2554+00.00						28	440	2200	
SHEET 62	2554+00.00	TO	2565+00.00						28	440	2200	
SHEET 63	2565+00.00	TO	2576+00.00						28	434	2166	
SHEET 64	2576+00.00	TO	2587+00.00						28	439	2194	
SHEET 65	2587+00.00	TO	2598+00.00						28	440	2200	
SHEET 66	2598+00.00	TO	2609+00.00						28	437	2184	
SHEET 67	2609+00.00	TO	2620+00.00	390			1		27	430	2146	
SHEET 68	2620+00.00	TO	2631+00.00			1			28	440	2198	
SHEET 69	2631+00.00	TO	2642+00.00						28	440	2200	
SHEET 70	2642+00.00	TO	2653+00.00						28	441	2204	
SHEET 71	2653+00.00	TO	2664+00.00						28	448	2238	
SHEET 72	2664+00.00	TO	2675+00.00						28	440	2200	
SHEET 73	2675+00.00	TO	2686+00.00						28	440	2200	
SHEET 74	2686+00.00	TO	2697+00.00						28	440	2200	
SHEET 75	2697+00.00	TO	2708+00.00						28	440	2200	
SHEET 76	2708+00.00	TO	2719+00.00						28	440	2196	
SHEET 77	2719+00.00	TO	2730+00.00						28	439	2192	
SHEET 78	2730+00.00	TO	2741+00.00						25	396	1978	
SHEET 79	2741+00.00	TO	2752+00.00						28	440	2200	
SHEET 80	2752+00.00	TO	2763+00.00						28	440	2200	
SHEET 81	2763+00.00	TO	2774+00.00						28	440	2200	
SHEET 82	2774+00.00	TO	2785+00.00						28	438	2186	
SHEET 83	2785+00.00	TO	2796+00.00						28	438	2187	
SHEET 84	2796+00.00	TO	2807+00.00						9	141	703	
SHEET 85	2807+00.00	TO	END									
PROJECT TOTALS				4320		6	17		1327	21050	105178	

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NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISIONS	SAJ



GARVER
 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713



US 190

SUMMARY OF QUANTITIES

SHEET 10 OF 43			
FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		58
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		662	662	662	668
			6080	6090	6095	6072
			WK ZN PAV MRK REMOV (W) (ARROW)	WK ZN PAV MRK REMOV (W) (WORD)	WK ZN PAV MRK REMOV (Y) 4" (SLD)	PREFAB PAV MRK TY C (W) (8") (SLD)
			EA	EA	LF	LF
0117-04-031						
PHASE 2						
SHEET 36	2275+00.00	TO			803	
SHEET 37	2279+00.00	TO			2202	
SHEET 38	2290+00.00	TO			2200	
SHEET 39	2301+00.00	TO			2229	
SHEET 40	2312+00.00	TO			2226	
SHEET 41	2323+00.00	TO			2044	
SHEET 42	2334+00.00	TO			2204	
SHEET 43	2345+00.00	TO			2204	
SHEET 44	2356+00.00	TO			2204	
SHEET 45	2367+00.00	TO			2204	
SHEET 46	2378+00.00	TO			2204	
SHEET 47	2389+00.00	TO			2204	
SHEET 48	2400+00.00	TO			2204	
SHEET 49	2411+00.00	TO			2204	
SHEET 50	2422+00.00	TO			2204	
SHEET 51	2433+00.00	TO			2204	
SHEET 52	2444+00.00	TO			1982	
SHEET 53	2455+00.00	TO			2190	
SHEET 54	2466+00.00	TO			2206	
SHEET 55	2477+00.00	TO			2202	
SHEET 56	2488+00.00	TO			2206	
SHEET 57	2499+00.00	TO			2204	
SHEET 58	2510+00.00	TO			2200	
SHEET 59	2521+00.00	TO			2202	
SHEET 60	2532+00.00	TO			2212	
SHEET 61	2543+00.00	TO			2200	
SHEET 62	2554+00.00	TO			2200	
SHEET 63	2565+00.00	TO			2166	
SHEET 64	2576+00.00	TO			2194	
SHEET 65	2587+00.00	TO			2200	
SHEET 66	2598+00.00	TO			2184	
SHEET 67	2609+00.00	TO			2148	
SHEET 68	2620+00.00	TO			2198	
SHEET 69	2631+00.00	TO			2200	
SHEET 70	2642+00.00	TO			2204	
SHEET 71	2653+00.00	TO			2238	
SHEET 72	2664+00.00	TO			2200	
SHEET 73	2675+00.00	TO			2200	
SHEET 74	2686+00.00	TO			2200	
SHEET 75	2697+00.00	TO			2200	
SHEET 76	2708+00.00	TO			2196	
SHEET 77	2719+00.00	TO			2192	
SHEET 78	2730+00.00	TO			1978	
SHEET 79	2741+00.00	TO			2200	
SHEET 80	2752+00.00	TO			2200	
SHEET 81	2763+00.00	TO			2200	
SHEET 82	2774+00.00	TO			2186	
SHEET 83	2785+00.00	TO			2187	
SHEET 84	2796+00.00	TO			703	
SHEET 85	2807+00.00	TO			END	
PROJECT TOTALS					104322	

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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
103591
6/20/2024

GARVER 3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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Texas Department of Transportation

US 190

SUMMARY OF QUANTITIES

SHEET 11 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		59
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		677 6001	677 6003	677 6007
			ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (8")	ELIM EXT PAV MRK & MRKS (24")
			LF	LF	LF
0117-04-031					
PHASE 2					
SHEET 36	2275+00.00	TO	2279+00.00	1636	40
SHEET 37	2279+00.00	TO	2290+00.00	152	
SHEET 38	2290+00.00	TO	2301+00.00	3652	
SHEET 39	2301+00.00	TO	2312+00.00	4354	
SHEET 40	2312+00.00	TO	2323+00.00	4330	
SHEET 41	2323+00.00	TO	2334+00.00	924	
SHEET 42	2334+00.00	TO	2345+00.00		
SHEET 43	2345+00.00	TO	2356+00.00		
SHEET 44	2356+00.00	TO	2367+00.00		
SHEET 45	2367+00.00	TO	2378+00.00		
SHEET 46	2378+00.00	TO	2389+00.00		
SHEET 47	2389+00.00	TO	2400+00.00		
SHEET 48	2400+00.00	TO	2411+00.00		
SHEET 49	2411+00.00	TO	2422+00.00		
SHEET 50	2422+00.00	TO	2433+00.00	340	
SHEET 51	2433+00.00	TO	2444+00.00	4404	
SHEET 52	2444+00.00	TO	2455+00.00	4418	
SHEET 53	2455+00.00	TO	2466+00.00	4430	
SHEET 54	2466+00.00	TO	2477+00.00	4400	
SHEET 55	2477+00.00	TO	2488+00.00	3500	
SHEET 56	2488+00.00	TO	2499+00.00		
SHEET 57	2499+00.00	TO	2510+00.00		
SHEET 58	2510+00.00	TO	2521+00.00		
SHEET 59	2521+00.00	TO	2532+00.00		
SHEET 60	2532+00.00	TO	2543+00.00		
SHEET 61	2543+00.00	TO	2554+00.00		
SHEET 62	2554+00.00	TO	2565+00.00		
SHEET 63	2565+00.00	TO	2576+00.00		
SHEET 64	2576+00.00	TO	2587+00.00		
SHEET 65	2587+00.00	TO	2598+00.00		
SHEET 66	2598+00.00	TO	2609+00.00		
SHEET 67	2609+00.00	TO	2620+00.00	2504	
SHEET 68	2620+00.00	TO	2631+00.00	4408	
SHEET 69	2631+00.00	TO	2642+00.00	4400	
SHEET 70	2642+00.00	TO	2653+00.00	4392	
SHEET 71	2653+00.00	TO	2664+00.00	4352	
SHEET 72	2664+00.00	TO	2675+00.00	4400	
SHEET 73	2675+00.00	TO	2686+00.00	4396	
SHEET 74	2686+00.00	TO	2697+00.00	4396	
SHEET 75	2697+00.00	TO	2708+00.00	4400	
SHEET 76	2708+00.00	TO	2719+00.00	4404	
SHEET 77	2719+00.00	TO	2730+00.00	4414	
SHEET 78	2730+00.00	TO	2741+00.00	1502	25
SHEET 79	2741+00.00	TO	2752+00.00		
SHEET 80	2752+00.00	TO	2763+00.00		
SHEET 81	2763+00.00	TO	2774+00.00		
SHEET 82	2774+00.00	TO	2785+00.00		
SHEET 83	2785+00.00	TO	2796+00.00	4000	
SHEET 84	2796+00.00	TO	2807+00.00	4400	
SHEET 85	2807+00.00	TO	END	3200	
PROJECT TOTALS				96108	40
					25

2

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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

US 190

SUMMARY OF QUANTITIES

SHEET 12 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		60
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		403 6001	460 6003	460 6005	508 6001	512 6001	512 6025	512 6049	545 6002
			TEMPORARY SPL SHORING	CMP (GAL STL IN)	CMP (GAL STL IN)	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (SGL SLOPE) (TY 1)	PORT CTB (MOVE) (SGL SLP) (TY 1)	PORT CTB (REMOVE) (SGL SLP) (TY 1)	CRASH CUSH ATTEN (DES SOURCE)
			SF	LF	LF	SY	LF	LF	LF	EA
0117-04-031										
PHASE 3										
SHEET 1	2275+00.00	TO	2279+00.00							
SHEET 2	2279+00.00	TO	2290+00.00							
SHEET 3	2290+00.00	TO	2301+00.00							
SHEET 4	2301+00.00	TO	2312+00.00							
SHEET 5	2312+00.00	TO	2323+00.00							
SHEET 6	2323+00.00	TO	2334+00.00							
SHEET 7	2334+00.00	TO	2345+00.00							
SHEET 8	2345+00.00	TO	2356+00.00							
SHEET 9	2356+00.00	TO	2367+00.00							
SHEET 10	2367+00.00	TO	2378+00.00							
SHEET 11	2378+00.00	TO	2389+00.00							
SHEET 12	2389+00.00	TO	2400+00.00							
SHEET 13	2400+00.00	TO	2411+00.00							
SHEET 14	2411+00.00	TO	2422+00.00							
SHEET 15	2422+00.00	TO	2433+00.00							
SHEET 16	2433+00.00	TO	2444+00.00							
SHEET 17	2444+00.00	TO	2455+00.00					270	270	
SHEET 18	2455+00.00	TO	2466+00.00							
SHEET 19	2466+00.00	TO	2477+00.00							
SHEET 20	2477+00.00	TO	2488+00.00							
SHEET 21	2488+00.00	TO	2499+00.00							
SHEET 22	2499+00.00	TO	2510+00.00							
SHEET 23	2510+00.00	TO	2521+00.00					240	240	
SHEET 24	2521+00.00	TO	2532+00.00							
SHEET 25	2532+00.00	TO	2543+00.00							
SHEET 26	2543+00.00	TO	2554+00.00							
SHEET 27	2554+00.00	TO	2565+00.00							
SHEET 28	2565+00.00	TO	2576+00.00							
SHEET 29	2576+00.00	TO	2587+00.00							
SHEET 30	2587+00.00	TO	2598+00.00							
SHEET 31	2598+00.00	TO	2609+00.00							
SHEET 32	2609+00.00	TO	2620+00.00							
SHEET 33	2620+00.00	TO	2631+00.00							
SHEET 34	2631+00.00	TO	2642+00.00							
SHEET 35	2642+00.00	TO	2653+00.00							
SHEET 36	2653+00.00	TO	2664+00.00							
SHEET 37	2664+00.00	TO	2675+00.00							
SHEET 38	2675+00.00	TO	2686+00.00							
SHEET 39	2686+00.00	TO	2697+00.00							
SHEET 40	2697+00.00	TO	2708+00.00							
SHEET 41	2708+00.00	TO	2719+00.00							
SHEET 42	2719+00.00	TO	2730+00.00							
SHEET 43	2730+00.00	TO	2741+00.00					270	270	
SHEET 44	2741+00.00	TO	2752+00.00							
SHEET 45	2752+00.00	TO	2763+00.00							
SHEET 46	2763+00.00	TO	2774+00.00							
SHEET 47	2774+00.00	TO	2785+00.00							
SHEET 48	2785+00.00	TO	2796+00.00					1020	1020	
SHEET 49	2796+00.00	TO	2807+00.00					510	510	
SHEET 50	2807+00.00	TO	END							
PROJECT TOTALS								2310	2310	

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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

STATE OF TEXAS
STEPHEN A. JOHNSON
103591
PROFESSIONAL ENGINEER
6/21/2024

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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Texas Department of Transportation

US 190

SUMMARY OF QUANTITIES

SHEET 13 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		61
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		545 6003	545 6005	662 6048	662 6050	662 6056	662 6063	662 6075	662 6080	662 6090
			CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	WK ZN PAV MRK REMOV (REFL) TY I-C	WK ZN PAV MRK REMOV (REFL) TY II-A-A	WK ZN PAV MRK REMOV (TRAF BTN) TY W	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (W) (ARROW)	WK ZN PAV MRK REMOV (W) (WORD)
			EA	EA	EA	EA	EA	LF	LF	EA	EA
0117-04-031											
PHASE 3											
SHEET 1	2275+00.00	TO	2279+00.00								
SHEET 2	2279+00.00	TO	2290+00.00								
SHEET 3	2290+00.00	TO	2301+00.00								
SHEET 4	2301+00.00	TO	2312+00.00								
SHEET 5	2312+00.00	TO	2323+00.00								
SHEET 6	2323+00.00	TO	2334+00.00								
SHEET 7	2334+00.00	TO	2345+00.00								
SHEET 8	2345+00.00	TO	2356+00.00								
SHEET 9	2356+00.00	TO	2367+00.00								
SHEET 10	2367+00.00	TO	2378+00.00								
SHEET 11	2378+00.00	TO	2389+00.00								
SHEET 12	2389+00.00	TO	2400+00.00								
SHEET 13	2400+00.00	TO	2411+00.00								
SHEET 14	2411+00.00	TO	2422+00.00								
SHEET 15	2422+00.00	TO	2433+00.00								
SHEET 16	2433+00.00	TO	2444+00.00	2	2						
SHEET 17	2444+00.00	TO	2455+00.00								
SHEET 18	2455+00.00	TO	2466+00.00								
SHEET 19	2466+00.00	TO	2477+00.00								
SHEET 20	2477+00.00	TO	2488+00.00								
SHEET 21	2488+00.00	TO	2499+00.00								
SHEET 22	2499+00.00	TO	2510+00.00								
SHEET 23	2510+00.00	TO	2521+00.00	2	2						
SHEET 24	2521+00.00	TO	2532+00.00								
SHEET 25	2532+00.00	TO	2543+00.00								
SHEET 26	2543+00.00	TO	2554+00.00								
SHEET 27	2554+00.00	TO	2565+00.00								
SHEET 28	2565+00.00	TO	2576+00.00								
SHEET 29	2576+00.00	TO	2587+00.00								
SHEET 30	2587+00.00	TO	2598+00.00								
SHEET 31	2598+00.00	TO	2609+00.00								
SHEET 32	2609+00.00	TO	2620+00.00								
SHEET 33	2620+00.00	TO	2631+00.00								
SHEET 34	2631+00.00	TO	2642+00.00								
SHEET 35	2642+00.00	TO	2653+00.00								
SHEET 36	2653+00.00	TO	2664+00.00								
SHEET 37	2664+00.00	TO	2675+00.00								
SHEET 38	2675+00.00	TO	2686+00.00								
SHEET 39	2686+00.00	TO	2697+00.00								
SHEET 40	2697+00.00	TO	2708+00.00								
SHEET 41	2708+00.00	TO	2719+00.00								
SHEET 42	2719+00.00	TO	2730+00.00								
SHEET 43	2730+00.00	TO	2741+00.00	2	2						
SHEET 44	2741+00.00	TO	2752+00.00								
SHEET 45	2752+00.00	TO	2763+00.00								
SHEET 46	2763+00.00	TO	2774+00.00								
SHEET 47	2774+00.00	TO	2785+00.00								
SHEET 48	2785+00.00	TO	2796+00.00	2	2						
SHEET 49	2796+00.00	TO	2807+00.00	2	2						
SHEET 50	2807+00.00	TO	END								
PROJECT TOTALS				10	10						

2

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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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 Texas Department of Transportation

US 190

SUMMARY OF QUANTITIES

SHEET 14 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		62
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF TRAFFIC CONTROL PLANS QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS			662	668	677	677	677	677	677
				6095	6072	6001	6003	6007	6008	6012
				WK ZN PAV MRK REMOV (Y) 4" (SLD)	PREFAB PAV MRK TY C (W) (8") (SLD)	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (8")	ELIM EXT PAV MRK & MRKS (24")	ELIM EXT PAV MRK & MRKS (ARROW)	ELIM EXT PAV MRK & MRKS (WORD)
				LF	LF	LF	LF	LF	EA	EA
0117-04-031										
PHASE 3										
SHEET 1	2275+00.00	TO	2279+00.00			1606				
SHEET 2	2279+00.00	TO	2290+00.00			4404				
SHEET 3	2290+00.00	TO	2301+00.00			4400				
SHEET 4	2301+00.00	TO	2312+00.00			4458				
SHEET 5	2312+00.00	TO	2323+00.00			4452				
SHEET 6	2323+00.00	TO	2334+00.00			4088				
SHEET 7	2334+00.00	TO	2345+00.00			4408				
SHEET 8	2345+00.00	TO	2356+00.00			4408				
SHEET 9	2356+00.00	TO	2367+00.00			4408				
SHEET 10	2367+00.00	TO	2378+00.00			4408				
SHEET 11	2378+00.00	TO	2389+00.00			4408				
SHEET 12	2389+00.00	TO	2400+00.00			4408				
SHEET 13	2400+00.00	TO	2411+00.00			4408				
SHEET 14	2411+00.00	TO	2422+00.00			4408				
SHEET 15	2422+00.00	TO	2433+00.00			4408				
SHEET 16	2433+00.00	TO	2444+00.00			4408				
SHEET 17	2444+00.00	TO	2455+00.00			3964				
SHEET 18	2455+00.00	TO	2466+00.00			4380				
SHEET 19	2466+00.00	TO	2477+00.00			4844				
SHEET 20	2477+00.00	TO	2488+00.00			4830				
SHEET 21	2488+00.00	TO	2499+00.00			4412				
SHEET 22	2499+00.00	TO	2510+00.00			4408				
SHEET 23	2510+00.00	TO	2521+00.00			4400				
SHEET 24	2521+00.00	TO	2532+00.00			4404				
SHEET 25	2532+00.00	TO	2543+00.00			4424				
SHEET 26	2543+00.00	TO	2554+00.00			4400				
SHEET 27	2554+00.00	TO	2565+00.00			4400				
SHEET 28	2565+00.00	TO	2576+00.00			4332				
SHEET 29	2576+00.00	TO	2587+00.00			4388				
SHEET 30	2587+00.00	TO	2598+00.00			4400				
SHEET 31	2598+00.00	TO	2609+00.00			4368				
SHEET 32	2609+00.00	TO	2620+00.00			4294				
SHEET 33	2620+00.00	TO	2631+00.00			4396				
SHEET 34	2631+00.00	TO	2642+00.00			4400				
SHEET 35	2642+00.00	TO	2653+00.00			4408				
SHEET 36	2653+00.00	TO	2664+00.00			4476				
SHEET 37	2664+00.00	TO	2675+00.00			4400				
SHEET 38	2675+00.00	TO	2686+00.00			4400				
SHEET 39	2686+00.00	TO	2697+00.00			4400				
SHEET 40	2697+00.00	TO	2708+00.00			4400				
SHEET 41	2708+00.00	TO	2719+00.00			4392				
SHEET 42	2719+00.00	TO	2730+00.00			4384				
SHEET 43	2730+00.00	TO	2741+00.00			3956				
SHEET 44	2741+00.00	TO	2752+00.00			4400				
SHEET 45	2752+00.00	TO	2763+00.00			4400				
SHEET 46	2763+00.00	TO	2774+00.00			4400				
SHEET 47	2774+00.00	TO	2785+00.00			4372				
SHEET 48	2785+00.00	TO	2796+00.00			4374				
SHEET 49	2796+00.00	TO	2807+00.00			1406				
SHEET 50	2807+00.00	TO	END							
PROJECT TOTALS						209500				

2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 15 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		63
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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SUMMARY OF REMOVAL QUANTITIES

LOCATION	STATION LIMITS		103	104	104	104	105	105	105	496	496
			6001	6001	6009	6054	6014	6029	6135	6002	6004
			DISPOSAL OF WATER WELLS	REMOVING CONC (PAV)	REMOVING CONC (RIPRAP)	REMOVING CONCRETE (MOW STRIP)	REMOVING STAB BASE & ASPH PAV (7"-12")	REMOVE STAB BASE & ASPH PAV (24")	REMOVING UNTREATED BASE (4")	REMOV STR (INLET)	REMOV STR (SET) ①
			EA	SY	SY	LF	SY	SY	SY	EA	EA
	FROM STA	TO STA									
SHEET 1	BEGIN	1905+00.00					225	6,474			
SHEET 2	1905+00.00	1927+00.00					277	3,474			
SHEET 3	1927+00.00	1949+00.00					276	570			
SHEET 4	1949+00.00	1971+00.00					1,020	1,172			
SHEET 5	1971+00.00	1993+00.00					376	10,822			
SHEET 6	1993+00.00	2015+00.00					1,192	6,985			1
SHEET 7	2015+00.00	2037+00.00					30	1,622	558		
SHEET 8	2037+00.00	2059+00.00					674	1,831			
SHEET 9	2059+00.00	2081+00.00	1				444	3,007			1
SHEET 10	2081+00.00	2103+00.00					193	3,725			2
SHEET 11	2103+00.00	2125+00.00					318	10,473			6
CSJ 0117-03-024 TOTAL			1				5,025	50,155	558		10
SHEET 12	2125+00.00	2132+50.00					49	3,480			2
SHEET 13	2125+00.00	2147+00.00									
SHEET 14	2147+00.00	2169+00.00									
SHEET 15	2169+00.00	2191+00.00									
SHEET 16	2191+00.00	2213+00.00									
SHEET 17	2213+00.00	2235+00.00									
SHEET 18	2235+00.00	2257+00.00									
SHEET 19	2257+00.00	2279+00.00									
SHEET 20	2269+87.00	2275+00.00					526	5,874			
FM 39 SHEET 2	126+00.00	147+00.00					418	6,310			
FM 39 SHEET 3	147+00.00	170+00.00					413	4,655			
CSJ 0117-10-001 TOTAL							1,406	20,319			2
SHEET 20	2275+00.00	2279+00.00									
SHEET 21	2279+00.00	2301+00.00				153	108	10,203			
SHEET 22	2301+00.00	2323+00.00					134	10,557			2
SHEET 23	2323+00.00	2345+00.00					166	10,145			2
SHEET 24	2345+00.00	2367+00.00					362	5,305			
SHEET 25	2367+00.00	2389+00.00					413	3,276			
SHEET 26	2389+00.00	2411+00.00					212	3,289			
SHEET 27	2411+00.00	2433+00.00					220	6,449			
SHEET 28	2433+00.00	2455+00.00					289	12,361			2
SHEET 29	2455+00.00	2477+00.00					525	12,453		1	13
SHEET 30	2477+00.00	2499+00.00					441	5,468			
SHEET 31	2499+00.00	2521+00.00					293	10,204			
SHEET 32	2521+00.00	2543+00.00					318	3,920			
SHEET 33	2543+00.00	2565+00.00					629	383			
SHEET 34	2565+00.00	2587+00.00			141	391	78	6,784			
SHEET 35	2587+00.00	2609+00.00			138	265	31	7,681		1	
SHEET 36	2609+00.00	2631+00.00			71		199	9,781			
SHEET 37	2631+00.00	2653+00.00		437	36		441	1,925			
SHEET 38	2653+00.00	2675+00.00		1,271			392	2,987			2
SHEET 39	2675+00.00	2697+00.00		1,060			558	3,211			
SHEET 40	2697+00.00	2719+00.00		377	40	128	391	2,804			
SHEET 41	2719+00.00	2741+00.00				130	653	12,389			2
SHEET 42	2741+00.00	2763+00.00			7			5,869			
SHEET 43	2763+00.00	2785+00.00					243	3,550			
SHEET 44	2785+00.00	2807+00.00				122		4,613			2
SHEET 45	2807+00.00	2839+00.00									2
CSJ 0117-04-031 TOTAL				3,145	433	1,189	7,096	155,607		2	27
FM 39	107+45.90	124+50.00						3,418			
CSJ 0639-02-028 TOTAL								3,418			
PROJECT TOTALS			1	3,145	433	1,189	13,527	229,499	558	2	39

① DRAINAGE STRUCTURES ASSOCIATED W/ DRIVEWAYS TO BE REMOVED, WILL BE SUBSIDIARY TO ITEM 100 PREP ROW.

NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ

US 190
SUMMARY OF QUANTITIES

SHEET 16 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		64
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

DATE: 10/28/2024 2:13:19 PM
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SUMMARY OF REMOVAL QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		496	496	496	496	496	496	542		
			6005	6006	6007	6008	6009	6031	6043	6001	
			REMOV STR (WINGWALL)	REMOV STR (HEADWALL)	REMOV STR (PIPE) ①	REMOV STR (BOX CULVERT)	REMOV STR (BRIDGE 0 - 99 FT LENGTH)	REMOV STR (CATTLE GUARD)	REMOV STR (SMALL FENCE)	REMOVE METAL BEAM GUARD FENCE	
		EA	EA	LF	LF	EA	EA	LF	LF		
FROM STA		TO STA									
SHEET 1	BEGIN	1905+00.00							1,000	450	
SHEET 2	1905+00.00	1927+00.00									
SHEET 3	1927+00.00	1949+00.00									
SHEET 4	1949+00.00	1971+00.00		3	67						
SHEET 5	1971+00.00	1993+00.00		2	84			3			
SHEET 6	1993+00.00	2015+00.00		2			68	1		350	
SHEET 7	2015+00.00	2037+00.00		2	83			2		600	
SHEET 8	2037+00.00	2059+00.00	2	2	249			1			
SHEET 9	2059+00.00	2081+00.00		1			68	1			
SHEET 10	2081+00.00	2103+00.00		1	50						
SHEET 11	2103+00.00	2125+00.00		2	129					225	
CSJ 0117-03-024 TOTAL			2	17	758	136		8	1,000	1,625	
SHEET 12	2125+00.00	2132+50.00			30						
SHEET 13	2125+00.00	2147+00.00									
SHEET 14	2147+00.00	2169+00.00									
SHEET 15	2169+00.00	2191+00.00									
SHEET 16	2191+00.00	2213+00.00									
SHEET 17	2213+00.00	2235+00.00									
SHEET 18	2235+00.00	2257+00.00									
SHEET 19	2257+00.00	2279+00.00									
SHEET 20	2269+87.00	2275+00.00									
FM 39 SHEET 2	126+00.00	147+00.00									
FM 39 SHEET 3	147+00.00	170+00.00									
CSJ 0117-10-001 TOTAL					30						
SHEET 20	2275+00.00	2279+00.00									
SHEET 21	2279+00.00	2301+00.00	2	4	166	510			1,000	275	
SHEET 22	2301+00.00	2323+00.00	4		59	176					
SHEET 23	2323+00.00	2345+00.00	2		30	87					
SHEET 24	2345+00.00	2367+00.00	2	1							
SHEET 25	2367+00.00	2389+00.00	2			264					
SHEET 26	2389+00.00	2411+00.00	2			90					
SHEET 27	2411+00.00	2433+00.00	2			86					
SHEET 28	2433+00.00	2455+00.00	2		40	87					
SHEET 29	2455+00.00	2477+00.00	2		35	105					
SHEET 30	2477+00.00	2499+00.00	2			86					
SHEET 31	2499+00.00	2521+00.00	4			163					
SHEET 32	2521+00.00	2543+00.00	2			86					
SHEET 33	2543+00.00	2565+00.00		2	86						
SHEET 34	2565+00.00	2587+00.00	3		43	69				525	
SHEET 35	2587+00.00	2609+00.00	1	2	89	109				400	
SHEET 36	2609+00.00	2631+00.00		2	87						
SHEET 37	2631+00.00	2653+00.00	2			90					
SHEET 38	2653+00.00	2675+00.00	2		23	72		1			
SHEET 39	2675+00.00	2697+00.00	2			72					
SHEET 40	2697+00.00	2719+00.00	3	1	12	135				200	
SHEET 41	2719+00.00	2741+00.00	2			67				400	
SHEET 42	2741+00.00	2763+00.00		2	201						
SHEET 43	2763+00.00	2785+00.00		1							
SHEET 44	2785+00.00	2807+00.00	1	1	88			2		175	
SHEET 45	2807+00.00	2839+00.00			55						
CSJ 0117-04-031 TOTAL			44	16	1,014	2,354		3	1,000	1,975	
FM 39	107+45.90	124+50.00								1	
CSJ 0639-02-028 TOTAL										1	
PROJECT TOTALS			46	33	1,802	2,490		11	2,000	3,600	

① DRAINAGE STRUCTURES ASSOCIATED W/ DRIVEWAYS TO BE REMOVED, WILL BE SUBSIDIARY TO ITEM 100 PREP ROW.

2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

STATE OF TEXAS
STEPHEN A. JOHNSON
103591
PROFESSIONAL ENGINEER
6/20/2024

GARVER
3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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Texas Department of Transportation

US 190
SUMMARY OF QUANTITIES
SHEET 17 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		65
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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SUMMARY OF REMOVAL QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		542	544	550
			6004	6003	6006
			RM MTL BM GD FENCE TRANS (THRIE-BEAM)	GUARDRAIL END TREATMENT (REMOVE)	GATE (REMOVE)
			EA	EA	EA
	FROM STA	TO STA			
SHEET 1	BEGIN	1905+00.00		2	
SHEET 2	1905+00.00	1927+00.00			
SHEET 3	1927+00.00	1949+00.00			
SHEET 4	1949+00.00	1971+00.00			
SHEET 5	1971+00.00	1993+00.00			
SHEET 6	1993+00.00	2015+00.00		4	
SHEET 7	2015+00.00	2037+00.00	4	4	
SHEET 8	2037+00.00	2059+00.00			
SHEET 9	2059+00.00	2081+00.00			
SHEET 10	2081+00.00	2103+00.00			
SHEET 11	2103+00.00	2125+00.00		1	
CSJ 0117-03-024 TOTAL			4	11	
SHEET 12	2125+00.00	2132+50.00			
SHEET 13	2125+00.00	2147+00.00			
SHEET 14	2147+00.00	2169+00.00			
SHEET 15	2169+00.00	2191+00.00			
SHEET 16	2191+00.00	2213+00.00			
SHEET 17	2213+00.00	2235+00.00			
SHEET 18	2235+00.00	2257+00.00			
SHEET 19	2257+00.00	2279+00.00			
SHEET 20	2269+87.00	2275+00.00			
FM 39 SHEET 2	126+00.00	147+00.00			
FM 39 SHEET 3	147+00.00	170+00.00			
CSJ 0117-10-001 TOTAL					
SHEET 20	2275+00.00	2279+00.00			
SHEET 21	2279+00.00	2301+00.00		2	5
SHEET 22	2301+00.00	2323+00.00			
SHEET 23	2323+00.00	2345+00.00			
SHEET 24	2345+00.00	2367+00.00			
SHEET 25	2367+00.00	2389+00.00			
SHEET 26	2389+00.00	2411+00.00			
SHEET 27	2411+00.00	2433+00.00			
SHEET 28	2433+00.00	2455+00.00			
SHEET 29	2455+00.00	2477+00.00			
SHEET 30	2477+00.00	2499+00.00			
SHEET 31	2499+00.00	2521+00.00			
SHEET 32	2521+00.00	2543+00.00			
SHEET 33	2543+00.00	2565+00.00			
SHEET 34	2565+00.00	2587+00.00		6	
SHEET 35	2587+00.00	2609+00.00		4	
SHEET 36	2609+00.00	2631+00.00			
SHEET 37	2631+00.00	2653+00.00			
SHEET 38	2653+00.00	2675+00.00			
SHEET 39	2675+00.00	2697+00.00			
SHEET 40	2697+00.00	2719+00.00		2	
SHEET 41	2719+00.00	2741+00.00		4	
SHEET 42	2741+00.00	2763+00.00			
SHEET 43	2763+00.00	2785+00.00			
SHEET 44	2785+00.00	2807+00.00		2	
SHEET 45	2807+00.00	2839+00.00			
CSJ 0117-04-031 TOTAL				20	5
FM 39	107+45.90	124+50.00			
CSJ 0639-02-028 TOTAL					
PROJECT TOTALS			4	31	5

2

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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 Texas Department of Transportation

US 190

SUMMARY OF QUANTITIES

SHEET 18 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		66
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF ROADWAY QUANTITIES

LOCATION	STATION LIMITS		100	247	247	275	275	275	310	316
			6002	6230	6231	6001	6010	6063	6028	6017
	FT		PREPARING ROW	FL BS (CMP IN PLACE) (TY A GR 1-2) (8")	FL BS (CMP IN PLACE) (TY A GR 1-2) (10")	CEMENT	CEMENT TREAT (SUBGRADE) (8")	CEMENT TREAT (SUBGRADE) (10")	PRIME COAT (MC-30 OR EC-30)	ASPH (AC-20-5TR)
		STA	SY	SY	TON	SY	SY	GAL	GAL	
SHEET 1	BEGIN	1894+00.00	9.00		3,530		3,673	706		
SHEET 2	1894+00.00	1905+00.00	11.00		7,843		8,182	1,569		
SHEET 3	1905+00.00	1916+00.00	11.00		5,820		6,092	1,164		
SHEET 4	1916+00.00	1927+00.00	11.00		5,254		5,468	1,051		
SHEET 5	1927+00.00	1938+00.00	11.00		5,496		5,719	1,099		
SHEET 6	1938+00.00	1949+00.00	11.00		5,093		5,296	1,019		
SHEET 7	1949+00.00	1960+00.00	11.00		5,110		5,314	1,022		
SHEET 8	1960+00.00	1971+00.00	11.00		8,345		8,574	1,669		
SHEET 9	1971+00.00	1982+00.00	11.00		11,894		12,301	2,379		
SHEET 10	1982+00.00	1993+00.00	11.00		11,817		12,236	2,364		
SHEET 11	1993+00.00	2004+00.00	11.00		10,721		11,128	2,144		
SHEET 12	2004+00.00	2015+00.00	11.00		8,266		8,554	1,653		
SHEET 13	2015+00.00	2026+00.00	11.00		8,665		9,009	1,733		
SHEET 14	2026+00.00	2037+00.00	11.00		4,801		5,029	960		
SHEET 15	2037+00.00	2048+00.00	11.00		5,970		6,214	1,194		
SHEET 16	2048+00.00	2059+00.00	11.00		6,350		6,554	1,270		
SHEET 17	2059+00.00	2070+00.00	11.00		8,394		8,787	1,679		
SHEET 18	2070+00.00	2081+00.00	11.00		5,266		5,489	1,053		
SHEET 19	2081+00.00	2092+00.00	11.00		5,106		5,310	1,021		
SHEET 20	2092+00.00	2103+00.00	11.00		7,115		7,386	1,423		
SHEET 21	2103+00.00	2114+00.00	11.00		11,672		12,084	2,334		
SHEET 22	2114+00.00	2125+00.00	11.00		13,017		13,424	2,603		
FM 2865	10+00.00	13+00.00	3.00		622		658	124		
SHEPHERD HILL	10+00.00	11+16.98	1.17		58		65	12		
CSJ 0117-03-024 TOTAL			244		166225		172546	33245		
SHEET 23	2125+00.00	2136+00.00	11.00		14,813		15,234	2,963		
SHEET 24	2136+00.00	2147+00.00	11.00		12,284		12,694	2,457		
SHEET 25	2147+00.00	2158+00.00	11.00		10,213		10,620	2,043		
SHEET 26	2158+00.00	2169+00.00	11.00		11,569		11,976	2,314		
SHEET 27-28	2169+00.00	2180+00.00	11.00		12,466		12,876	2,494		
SHEET 29-30	2180+00.00	2191+00.00	11.00		6,279		6,500	1,256		
SHEET 31-32	2191+00.00	2202+00.00	11.00		9,804		10,143	1,961		
SHEET 33-34	2202+00.00	2213+00.00	11.00		10,410		10,799	2,082		
SHEET 35	2213+00.00	2224+00.00	11.00		10,186		10,593	2,038		
SHEET 36	2224+00.00	2235+00.00	11.00		11,335		11,742	2,267		
SHEET 37	2235+00.00	2246+00.00	11.00		12,224		12,674	2,445		
SHEET 38	2246+00.00	2257+00.00	11.00		11,182		11,591	2,236		
SHEET 39	2257+00.00	2268+00.00	11.00		14,063		14,471	2,813		
SHEET 40	2268+00.00	2275+00.00	7.00		8,750		9,017	1,750		
CR 439	10+00.00	14+53.03	4.53	1,598		18	1,598			
ENTRANCE/EXIT RAMPS			47.10		14,634		15,427	2,927		
FM 39	124+50.00	167+90.00	43.40	24,319		349	24,708			
BUSINESS SH 21				3,018		34	3,018	24,708		
CSJ 0117-10-001 TOTAL			245	28935	170212	2390	180973	24708	34046	
SHEET 40	2275+00.00	2279+00.00	4.00		3,972		4,120	794		
SHEET 41	2279+00.00	2290+00.00	11.00		10,379		10,786	2,076		
SHEET 42	2290+00.00	2301+00.00	11.00		11,506		11,915	2,301		
SHEET 43	2301+00.00	2312+00.00	11.00		13,556		13,973	2,711		
SHEET 44	2312+00.00	2323+00.00	11.00		13,199		13,608	2,640		
SHEET 45	2323+00.00	2334+00.00	11.00		12,734		13,160	2,547		
SHEET 46	2334+00.00	2345+00.00	11.00		10,633		10,988	2,127		
SHEET 47	2345+00.00	2356+00.00	11.00		9,291		9,609	1,859		
SHEET 48	2356+00.00	2367+00.00	11.00		5,096		5,300	1,020		
SHEET 49	2367+00.00	2378+00.00	11.00		5,090		5,293	1,018		
SHEET 50	2378+00.00	2389+00.00	11.00		7,215		7,514	1,443		
SHEET 51	2389+00.00	2400+00.00	11.00		7,742		7,897	1,549		
SHEET 52	2400+00.00	2411+00.00	11.00		6,505		6,734	1,301		
SHEET 53	2411+00.00	2422+00.00	11.00		5,093		5,297	1,019		
SHEET 54	2422+00.00	2433+00.00	11.00		9,721		10,109	1,945		
SHEET 55	2433+00.00	2444+00.00	11.00		11,979		12,377	2,396		
SHEET 56	2444+00.00	2455+00.00	11.00		12,631		13,043	2,527		
SHEET 57	2455+00.00	2466+00.00	11.00		11,764		12,176	2,353		
SHEET 58	2466+00.00	2477+00.00	11.00		12,878		13,285	2,576		
SHEET 59	2477+00.00	2488+00.00	11.00		7,781		8,064	1,556		
SHEET 60	2488+00.00	2499+00.00	11.00		10,755		11,165	2,151		
SHEET 61	2499+00.00	2510+00.00	11.00		11,909		12,316	2,382		
SHEET 62	2510+00.00	2521+00.00	11.00		12,898		13,311	2,580		
SHEET 63	2521+00.00	2532+00.00	11.00		9,964		10,313	1,993		
SHEET 64	2532+00.00	2543+00.00	11.00		5,598		5,869	1,120		
SHEET 65	2543+00.00	2554+00.00	11.00		5,093		5,297	1,019		
SHEET 66	2554+00.00	2565+00.00	11.00		5,503		5,723	1,101		
SHEET 67	2565+00.00	2576+00.00	11.00		10,918		11,334	2,184		
SHEET 68	2576+00.00	2587+00.00	11.00		9,855		10,189	1,971		
SHEET 69	2587+00.00	2598+00.00	11.00		8,941		9,302	1,789		
SHEET 70	2598+00.00	2609+00.00	11.00		10,633		11,041	2,127		
SHEET 71	2609+00.00	2620+00.00	11.00		12,880		13,294	2,576		
SHEET 72	2620+00.00	2631+00.00	11.00		10,069		10,406	2,014		
SHEET 73	2631+00.00	2642+00.00	11.00		4,052		4,213	811		

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

GARVER 3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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Texas Department of Transportation

US 190

SUMMARY OF QUANTITIES

SHEET 19 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	67

STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF ROADWAY QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS FT		316 6029	316 6403	316 6404	354 6045	360 6026	403 6001	423 6001	432 6001
			ASPH (RC-250)	AGGR (TY-B GR-5 OR TY-L GR-5)	AGGR (TY-PB GR-4 OR TY-PL GR-4 SAC-A)	PLANE ASPH CONC PAV (2")	CURB (TYPE I)	TEMPORARY SPL SHORING	RETAINING WALL (MSE)	RIPRAP (CONC) (4 IN)
			GAL	CY	CY	SY	LF	SF	SF	CY
	FROM STA	TO STA								
SHEET 1	BEGIN	1894+00.00				3,610				
SHEET 2	1894+00.00	1905+00.00				4,284	316			
SHEET 3	1905+00.00	1916+00.00				4,965				
SHEET 4	1916+00.00	1927+00.00				4,837				
SHEET 5	1927+00.00	1938+00.00				4,463				
SHEET 6	1938+00.00	1949+00.00				4,889				
SHEET 7	1949+00.00	1960+00.00				4,892				
SHEET 8	1960+00.00	1971+00.00				3,949	213			
SHEET 9	1971+00.00	1982+00.00								
SHEET 10	1982+00.00	1993+00.00								11
SHEET 11	1993+00.00	2004+00.00								8
SHEET 12	2004+00.00	2015+00.00				3,077				27
SHEET 13	2015+00.00	2026+00.00				4,039	251			
SHEET 14	2026+00.00	2037+00.00				3,776				
SHEET 15	2037+00.00	2048+00.00				4,280				
SHEET 16	2048+00.00	2059+00.00				5,328				
SHEET 17	2059+00.00	2070+00.00				5,378	200			
SHEET 18	2070+00.00	2081+00.00				5,231				
SHEET 19	2081+00.00	2092+00.00				4,935				
SHEET 20	2092+00.00	2103+00.00				4,742				
SHEET 21	2103+00.00	2114+00.00								
SHEET 22	2114+00.00	2125+00.00								
FM 2865	10+00.00	13+00.00								
SHEPHERD HILL	10+00.00	11+16.98								
CSJ 0117-03-024 TOTAL						76675	980			46
SHEET 23	2125+00.00	2136+00.00					203			
SHEET 24	2136+00.00	2147+00.00								
SHEET 25	2147+00.00	2158+00.00								
SHEET 26	2158+00.00	2169+00.00								
SHEET 27-28	2169+00.00	2180+00.00								
SHEET 29-30	2180+00.00	2191+00.00								
SHEET 31-32	2191+00.00	2202+00.00								
SHEET 33-34	2202+00.00	2213+00.00								
SHEET 35	2213+00.00	2224+00.00								
SHEET 36	2224+00.00	2235+00.00								
SHEET 37	2235+00.00	2246+00.00					184			
SHEET 38	2246+00.00	2257+00.00								
SHEET 39	2257+00.00	2268+00.00								
SHEET 40	2268+00.00	2275+00.00								
CR 439	10+00.00	14+53.03	362	11						
ENTRANCE/EXIT RAMPS										
FM 39	124+50.00	167+90.00	5,748	171						
BUSINESS SH 21			704	21						
CSJ 0117-10-001 TOTAL			6814	203			387			
SHEET 40	2275+00.00	2279+00.00								
SHEET 41	2279+00.00	2290+00.00								
SHEET 42	2290+00.00	2301+00.00								
SHEET 43	2301+00.00	2312+00.00					224			
SHEET 44	2312+00.00	2323+00.00					180			
SHEET 45	2323+00.00	2334+00.00								
SHEET 46	2334+00.00	2345+00.00								
SHEET 47	2345+00.00	2356+00.00				842				
SHEET 48	2356+00.00	2367+00.00				4,642				
SHEET 49	2367+00.00	2378+00.00				4,653				
SHEET 50	2378+00.00	2389+00.00				3,357				
SHEET 51	2389+00.00	2400+00.00				4,330	223			
SHEET 52	2400+00.00	2411+00.00				4,043				
SHEET 53	2411+00.00	2422+00.00				4,645				
SHEET 54	2422+00.00	2433+00.00				422				
SHEET 55	2433+00.00	2444+00.00								
SHEET 56	2444+00.00	2455+00.00								
SHEET 57	2455+00.00	2466+00.00								
SHEET 58	2466+00.00	2477+00.00								
SHEET 59	2477+00.00	2488+00.00								
SHEET 60	2488+00.00	2499+00.00				2,907				
SHEET 61	2499+00.00	2510+00.00								
SHEET 62	2510+00.00	2521+00.00								
SHEET 63	2521+00.00	2532+00.00				1,599				
SHEET 64	2532+00.00	2543+00.00				4,530				
SHEET 65	2543+00.00	2554+00.00				5,155				
SHEET 66	2554+00.00	2565+00.00				4,683				
SHEET 67	2565+00.00	2576+00.00								
SHEET 68	2576+00.00	2587+00.00				3,670				
SHEET 69	2587+00.00	2598+00.00				2,597				
SHEET 70	2598+00.00	2609+00.00								
SHEET 71	2609+00.00	2620+00.00								
SHEET 72	2620+00.00	2631+00.00				1,276				
SHEET 73	2631+00.00	2642+00.00				4,659				

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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 Texas Department of Transportation

US 190

SUMMARY OF QUANTITIES

SHEET 20 OF 43

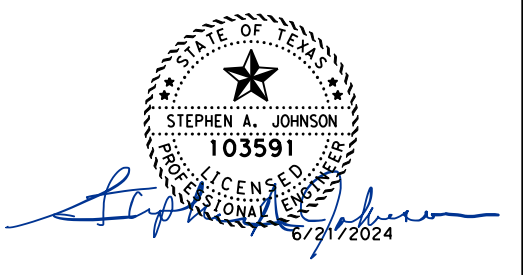
FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		68
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF ROADWAY QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		432 6045	450 6062	536 6002	540 6001	540 6006	540 6016	540 6039	544 6001
	FROM STA FT	TO STA FT	RIPRAP (MOW STRIP) (4' IN)	RAIL (TY SSTR) (MOD)	CONC MEDIAN	MTL W-BEAM GD FEN (TIM POST)	MTL BEAM GD FEN TRANS (THRIE-BEAM)	DOWNSTREAM ANCHOR TERMINAL SECTION	MTL BM GD FEN TRANS (31"-28") (25')	GUARDRAIL END TREATMENT (INSTALL)
			CY	LF	SY	LF	EA	EA	EA	EA
SHEET 1	BEGIN	1894+00.00	18			350			2	2
SHEET 2	1894+00.00	1905+00.00			121					
SHEET 3	1905+00.00	1916+00.00								
SHEET 4	1916+00.00	1927+00.00								
SHEET 5	1927+00.00	1938+00.00								
SHEET 6	1938+00.00	1949+00.00								
SHEET 7	1949+00.00	1960+00.00								
SHEET 8	1960+00.00	1971+00.00			145					
SHEET 9	1971+00.00	1982+00.00								
SHEET 10	1982+00.00	1993+00.00								
SHEET 11	1993+00.00	2004+00.00	9			125		1		1
SHEET 12	2004+00.00	2015+00.00	9			150		1		1
SHEET 13	2015+00.00	2026+00.00			189					
SHEET 14	2026+00.00	2037+00.00	47			813	6	1		4
SHEET 15	2037+00.00	2048+00.00	1							1
SHEET 16	2048+00.00	2059+00.00								
SHEET 17	2059+00.00	2070+00.00			131					
SHEET 18	2070+00.00	2081+00.00								
SHEET 19	2081+00.00	2092+00.00								
SHEET 20	2092+00.00	2103+00.00								
SHEET 21	2103+00.00	2114+00.00	10			150				2
SHEET 22	2114+00.00	2125+00.00								
FM 2865	10+00.00	13+00.00								
SHEPHERD HILL	10+00.00	11+16.98								
CSJ 0117-03-024 TOTAL			94		586	1588	6	3	2	11
SHEET 23	2125+00.00	2136+00.00			101					
SHEET 24	2136+00.00	2147+00.00								
SHEET 25	2147+00.00	2158+00.00								
SHEET 26	2158+00.00	2169+00.00	37			625				4
SHEET 27-28	2169+00.00	2180+00.00								
SHEET 29-30	2180+00.00	2191+00.00	62			913	8			4
SHEET 31-32	2191+00.00	2202+00.00	63			900	4			8
SHEET 33-34	2202+00.00	2213+00.00	58			888	4			6
SHEET 35	2213+00.00	2224+00.00	22			400				2
SHEET 36	2224+00.00	2235+00.00								
SHEET 37	2235+00.00	2246+00.00			110					
SHEET 38	2246+00.00	2257+00.00	40			675				4
SHEET 39	2257+00.00	2268+00.00								
SHEET 40	2268+00.00	2275+00.00								
CR 439	10+00.00	14+53.03								
ENTRANCE/EXIT RAMP			19			350				1
FM 39	124+50.00	167+90.00								
BUSINESS SH 21										
CSJ 0117-10-001 TOTAL			301		211	4750	16			29
SHEET 40	2275+00.00	2279+00.00								
SHEET 41	2279+00.00	2290+00.00	52			650				4
SHEET 42	2290+00.00	2301+00.00								
SHEET 43	2301+00.00	2312+00.00	38		81	675				4
SHEET 44	2312+00.00	2323+00.00			93					
SHEET 45	2323+00.00	2334+00.00								
SHEET 46	2334+00.00	2345+00.00	44			775				6
SHEET 47	2345+00.00	2356+00.00								
SHEET 48	2356+00.00	2367+00.00								
SHEET 49	2367+00.00	2378+00.00								
SHEET 50	2378+00.00	2389+00.00	40			688				4
SHEET 51	2389+00.00	2400+00.00			161					
SHEET 52	2400+00.00	2411+00.00								
SHEET 53	2411+00.00	2422+00.00								
SHEET 54	2422+00.00	2433+00.00								
SHEET 55	2433+00.00	2444+00.00								
SHEET 56	2444+00.00	2455+00.00								
SHEET 57	2455+00.00	2466+00.00								
SHEET 58	2466+00.00	2477+00.00								
SHEET 59	2477+00.00	2488+00.00								
SHEET 60	2488+00.00	2499+00.00								
SHEET 61	2499+00.00	2510+00.00								
SHEET 62	2510+00.00	2521+00.00								
SHEET 63	2521+00.00	2532+00.00								
SHEET 64	2532+00.00	2543+00.00								
SHEET 65	2543+00.00	2554+00.00								
SHEET 66	2554+00.00	2565+00.00								
SHEET 67	2565+00.00	2576+00.00								
SHEET 68	2576+00.00	2587+00.00	19			313				2
SHEET 69	2587+00.00	2598+00.00								
SHEET 70	2598+00.00	2609+00.00	15			275				1
SHEET 71	2609+00.00	2620+00.00	2							1
SHEET 72	2620+00.00	2631+00.00	20			300	2			2
SHEET 73	2631+00.00	2642+00.00	20			300	2			2

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV



GARVER
 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713



US 190

SUMMARY OF QUANTITIES

SHEET 21 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		69
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF ROADWAY QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		552	552	552	556	740	3077	3077	3077
			6001	6003	6005	6006	6005	6001	6001	6011
			WIRE FENCE (TY A) ① ②	WIRE FENCE (TY C) ① ②	GATE (TY I) ②	PIPE UNDERDRAINS (TY 6) (6")	ANTI - GRAFFITI COATNG (PERMNT -TY III)	SP MIXES SP-B PG64-22 (NEW PVMT)	SP MIXES SP-B PG64-22 (LEVEL-UP)	SP MIXES SP-C SAC-A PG64-22
FT		LF	LF	EA	LF	SF	TON	TON	TON	
FROM STA	TO STA									
SHEET 1	BEGIN	1894+00.00	1,000	1,000	5			732	481	
SHEET 2	1894+00.00	1905+00.00						1,621	556	
SHEET 3	1905+00.00	1916+00.00						1,197	643	
SHEET 4	1916+00.00	1927+00.00						1,090	675	
SHEET 5	1927+00.00	1938+00.00						1,140	590	
SHEET 6	1938+00.00	1949+00.00						1,058	631	
SHEET 7	1949+00.00	1960+00.00						1,062	642	
SHEET 8	1960+00.00	1971+00.00						1,766	521	
SHEET 9	1971+00.00	1982+00.00						2,491		
SHEET 10	1982+00.00	1993+00.00						2,470		
SHEET 11	1993+00.00	2004+00.00						2,233		
SHEET 12	2004+00.00	2015+00.00						1,730	431	
SHEET 13	2015+00.00	2026+00.00						1,800	491	
SHEET 14	2026+00.00	2037+00.00						986	455	
SHEET 15	2037+00.00	2048+00.00						1,232	597	
SHEET 16	2048+00.00	2059+00.00						1,334	781	
SHEET 17	2059+00.00	2070+00.00						1,725	468	
SHEET 18	2070+00.00	2081+00.00						1,090	715	
SHEET 19	2081+00.00	2092+00.00						1,060	750	
SHEET 20	2092+00.00	2103+00.00						1,481	554	
SHEET 21	2103+00.00	2114+00.00						2,443		
SHEET 22	2114+00.00	2125+00.00						2,738		
FM 2865	10+00.00	13+00.00						126		
SHEPHERD HILL	10+00.00	11+16.98						11		
CSJ 0117-03-024 TOTAL			1000	1000	5			34616	9981	
SHEET 23	2125+00.00	2136+00.00						3,148		
SHEET 24	2136+00.00	2147+00.00						2,576		
SHEET 25	2147+00.00	2158+00.00						2,122		
SHEET 26	2158+00.00	2169+00.00						2,420		
SHEET 27-28	2169+00.00	2180+00.00						2,616		
SHEET 29-30	2180+00.00	2191+00.00						1,319		112
SHEET 31-32	2191+00.00	2202+00.00						2,056		45
SHEET 33-34	2202+00.00	2213+00.00						2,175		45
SHEET 35	2213+00.00	2224+00.00						2,120		
SHEET 36	2224+00.00	2235+00.00						2,365		
SHEET 37	2235+00.00	2246+00.00						2,586		
SHEET 38	2246+00.00	2257+00.00						2,263		
SHEET 39	2257+00.00	2268+00.00						2,969		
SHEET 40	2268+00.00	2275+00.00						1,843		
CR 439	10+00.00	14+53.03								239
ENTRANCE/EXIT RAMPS								2,974		
FM 39	124+50.00	167+90.00								3,794
BUSINESS SH 21										465
CSJ 0117-10-001 TOTAL								35552		4700
SHEET 40	2275+00.00	2279+00.00						829		
SHEET 41	2279+00.00	2290+00.00						2,158		
SHEET 42	2290+00.00	2301+00.00						2,405		
SHEET 43	2301+00.00	2312+00.00						2,852		
SHEET 44	2312+00.00	2323+00.00						2,778		
SHEET 45	2323+00.00	2334+00.00						2,676		
SHEET 46	2334+00.00	2345+00.00						2,229		
SHEET 47	2345+00.00	2356+00.00						1,924		
SHEET 48	2356+00.00	2367+00.00						1,056		
SHEET 49	2367+00.00	2378+00.00						1,057	460	
SHEET 50	2378+00.00	2389+00.00						1,495	495	
SHEET 51	2389+00.00	2400+00.00						1,592	598	
SHEET 52	2400+00.00	2411+00.00						1,360	76	
SHEET 53	2411+00.00	2422+00.00						1,058		
SHEET 54	2422+00.00	2433+00.00						2,017		
SHEET 55	2433+00.00	2444+00.00						2,507		
SHEET 56	2444+00.00	2455+00.00						2,652		
SHEET 57	2455+00.00	2466+00.00						2,461		
SHEET 58	2466+00.00	2477+00.00						2,708		
SHEET 59	2477+00.00	2488+00.00						1,623	149	
SHEET 60	2488+00.00	2499+00.00						2,240		
SHEET 61	2499+00.00	2510+00.00						2,495		
SHEET 62	2510+00.00	2521+00.00						2,710		
SHEET 63	2521+00.00	2532+00.00						2,085	115	
SHEET 64	2532+00.00	2543+00.00						1,173	537	
SHEET 65	2543+00.00	2554+00.00						1,058	636	
SHEET 66	2554+00.00	2565+00.00						1,144	575	
SHEET 67	2565+00.00	2576+00.00						2,274		
SHEET 68	2576+00.00	2587+00.00						2,066	1,264	
SHEET 69	2587+00.00	2598+00.00						1,856	1,527	
SHEET 70	2598+00.00	2609+00.00						2,214		
SHEET 71	2609+00.00	2620+00.00						2,706		
SHEET 72	2620+00.00	2631+00.00						2,111		20
SHEET 73	2631+00.00	2642+00.00						842	177	20

① TEMPORARY FENCING NOTE:
PRIOR TO REMOVAL OF EXISTING FENCE, INSTALL TEMPORARY FENCING WITHIN THE EXISTING ROW UNLESS OTHERWISE APPROVE.
TEMPORARY FENCING LIMITS AND TYPE WILL BE AS APPROVED BY THE ENGINEER. INSTALLATION AND REMOVAL OF TEMPORARY FENCING WILL BE SUBSIDIARY TO ITEM 552.

② IT IS ANTICIPATED THAT ALL PROPERTY OWNERS SHALL HAVE ERRECTED FENCING AND GATES ALONG THE ROW. THE CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY CONSTRUCTED FENCING OR GATES, PER TXDOT STANDARD. A NOMINAL QUANTITY IS SHOWN AS PART OF THE PLANS.

NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ



US 190			
SUMMARY OF QUANTITIES			
SHEET 22 OF 43			
FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		70
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.




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SUMMARY OF ROADWAY QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		3077	3077	3088	3088	3088
			6042	6075	6001	6002	6007
	FT		SP MIXES SP-D SAC-A PG64-22	TACK COAT	CEMENT	ASPHALT BINDER (PG64-22)	FOAMED ASPHALT TREAT (8") (DC)
	FROM STA	TO STA	TON	GAL	TON	TON	SY
SHEET 1	BEGIN	1894+00.00	754	413			
SHEET 2	1894+00.00	1905+00.00	1,257	691			
SHEET 3	1905+00.00	1916+00.00	1,126	618			
SHEET 4	1916+00.00	1927+00.00	1,063	582			
SHEET 5	1927+00.00	1938+00.00	1,046	573			
SHEET 6	1938+00.00	1949+00.00	1,055	575			
SHEET 7	1949+00.00	1960+00.00	1,048	574			
SHEET 8	1960+00.00	1971+00.00	1,302	713			
SHEET 9	1971+00.00	1982+00.00	1,219	670			
SHEET 10	1982+00.00	1993+00.00	1,207	664			
SHEET 11	1993+00.00	2004+00.00	1,090	599			
SHEET 12	2004+00.00	2015+00.00	1,184	649			
SHEET 13	2015+00.00	2026+00.00	1,320	725			
SHEET 14	2026+00.00	2037+00.00	876	478			
SHEET 15	2037+00.00	2048+00.00	1,073	589			
SHEET 16	2048+00.00	2059+00.00	1,240	679			
SHEET 17	2059+00.00	2070+00.00	1,292	711			
SHEET 18	2070+00.00	2081+00.00	1,093	599			
SHEET 19	2081+00.00	2092+00.00	1,060	580			
SHEET 20	2092+00.00	2103+00.00	1,124	616			
SHEET 21	2103+00.00	2114+00.00	1,195	657			
SHEET 22	2114+00.00	2125+00.00	1,342	737			
FM 2865	10+00.00	13+00.00	61	34			
SHEPHERD HILL	10+00.00	11+16.98	5	3			
CSJ 0117-03-024 TOTAL			25032	13729			
SHEET 23	2125+00.00	2136+00.00	1,537	844			
SHEET 24	2136+00.00	2147+00.00	1,261	693			
SHEET 25	2147+00.00	2158+00.00	1,034	569			
SHEET 26	2158+00.00	2169+00.00	1,183	645			
SHEET 27-28	2169+00.00	2180+00.00	1,279	704			
SHEET 29-30	2180+00.00	2191+00.00	646	356			
SHEET 31-32	2191+00.00	2202+00.00	1,004	552			
SHEET 33-34	2202+00.00	2213+00.00	1,060	583			
SHEET 35	2213+00.00	2224+00.00	1,031	568			
SHEET 36	2224+00.00	2235+00.00	1,158	637			
SHEET 37	2235+00.00	2246+00.00	1,259	692			
SHEET 38	2246+00.00	2257+00.00	1,140	627			
SHEET 39	2257+00.00	2268+00.00	1,458	800			
SHEET 40	2268+00.00	2275+00.00	904	497			
CR 439	10+00.00	14+53.03					
ENTRANCE/EXIT RAMPS			1,434	790			
FM 39	124+50.00	167+90.00					
BUSINESS SH 21							
CSJ 0117-10-001 TOTAL			17388	9557			
SHEET 40	2275+00.00	2279+00.00	405	224			
SHEET 41	2279+00.00	2290+00.00	1,052	582			
SHEET 42	2290+00.00	2301+00.00	1,176	650			
SHEET 43	2301+00.00	2312+00.00	1,398	770			
SHEET 44	2312+00.00	2323+00.00	1,362	751			
SHEET 45	2323+00.00	2334+00.00	1,310	722			
SHEET 46	2334+00.00	2345+00.00	1,096	601			
SHEET 47	2345+00.00	2356+00.00	1,029	561			
SHEET 48	2356+00.00	2367+00.00	1,027	560			
SHEET 49	2367+00.00	2378+00.00	1,027	560			
SHEET 50	2378+00.00	2389+00.00	1,097	599			
SHEET 51	2389+00.00	2400+00.00	1,254	684			
SHEET 52	2400+00.00	2411+00.00	1,110	605			
SHEET 53	2411+00.00	2422+00.00	1,027	560			
SHEET 54	2422+00.00	2433+00.00	1,030	562			
SHEET 55	2433+00.00	2444+00.00	1,226	669			
SHEET 56	2444+00.00	2455+00.00	1,299	708			
SHEET 57	2455+00.00	2466+00.00	1,203	655			
SHEET 58	2466+00.00	2477+00.00	1,330	724			
SHEET 59	2477+00.00	2488+00.00	1,110	606			
SHEET 60	2488+00.00	2499+00.00	1,093	596			
SHEET 61	2499+00.00	2510+00.00	1,221	666			
SHEET 62	2510+00.00	2521+00.00	1,328	724			
SHEET 63	2521+00.00	2532+00.00	1,190	649			
SHEET 64	2532+00.00	2543+00.00	1,056	576			
SHEET 65	2543+00.00	2554+00.00	1,055	576			
SHEET 66	2554+00.00	2565+00.00	1,056	576			
SHEET 67	2565+00.00	2576+00.00	1,110	605			
SHEET 68	2576+00.00	2587+00.00	1,311	715			
SHEET 69	2587+00.00	2598+00.00	1,113	607			
SHEET 70	2598+00.00	2609+00.00	1,082	590			
SHEET 71	2609+00.00	2620+00.00	1,326	723			
SHEET 72	2620+00.00	2631+00.00	1,174	640			
SHEET 73	2631+00.00	2642+00.00	903	493			

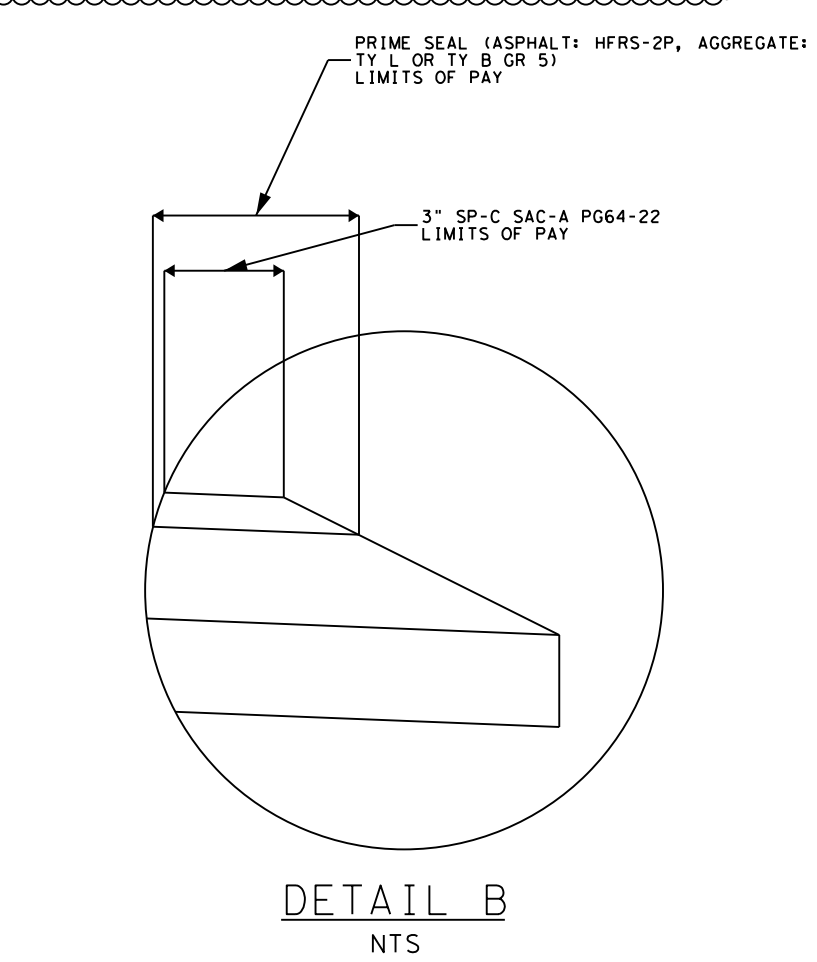
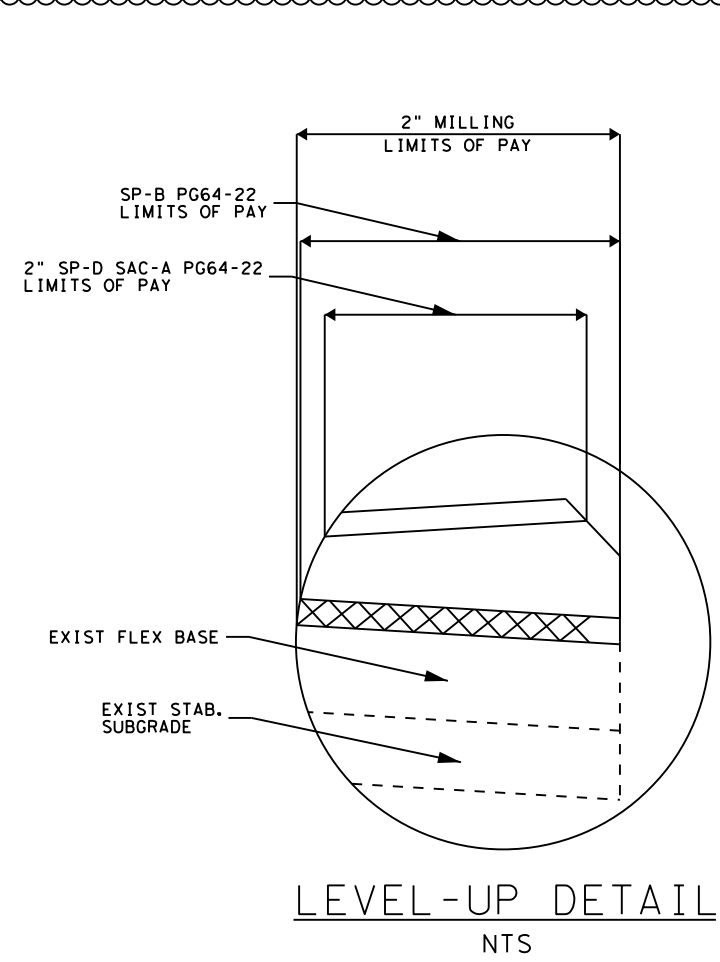
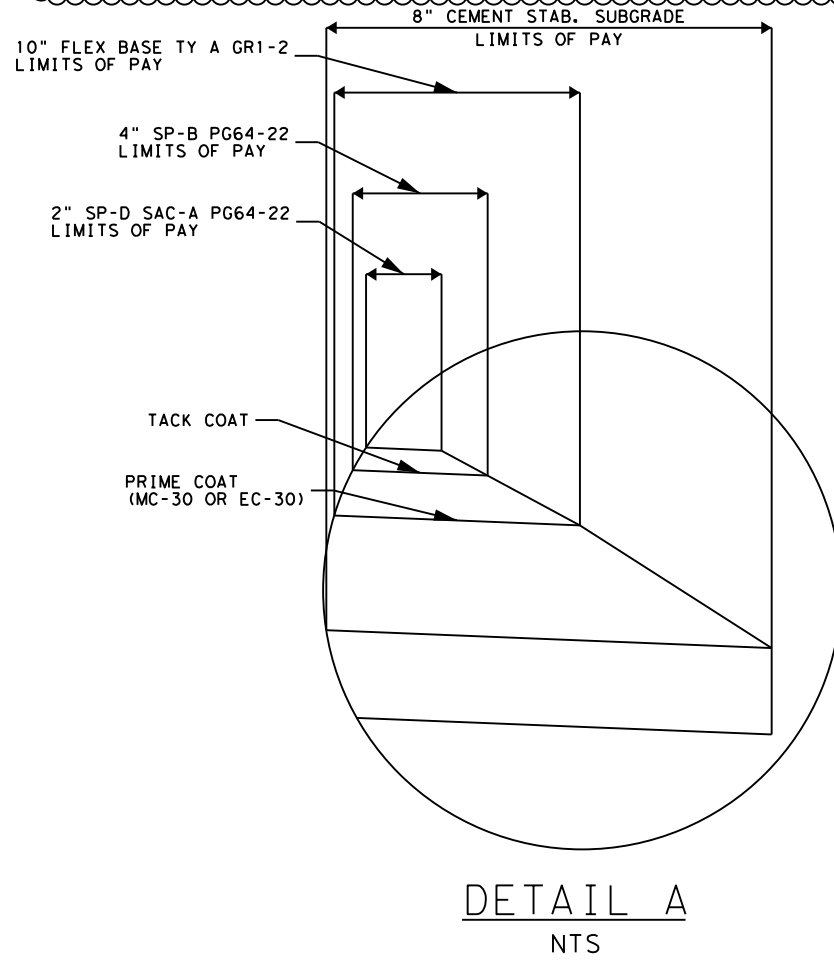
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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV
			
		3755 S. Capital of Texas Highway Suite 325 Austin, TX 78704 (512) 485-0009 TBPELS Firm 5713	
		© 2024	
US 190			
SUMMARY OF QUANTITIES			
SHEET 23 OF 43			
FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		71
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF ROADWAY QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		100	247	247	275	275	275	310	316
			6002	6230	6231	6001	6010	6063	6028	6017
			PREPARING ROW	FL BS (CMP IN PLACE) (TY A GR 1-2) (8")	FL BS (CMP IN PLACE) (TY A GR 1-2) (10")	CEMENT	CEMENT TREAT (SUBGRADE) (8")	CEMENT TREAT (SUBGRADE) (10")	PRIME COAT (MC-30 OR EC-30)	ASPH (AC-20-5TR)
	FROM STA	TO STA	STA	SY	SY	TON	SY	SY	GAL	GAL
SHEET 74	2642+00.00	2653+00.00	11.00		6,119	72	6,345		1,224	
SHEET 75	2653+00.00	2664+00.00	11.00		7,873	92	8,142		1,575	
SHEET 76	2664+00.00	2675+00.00	11.00		6,582	77	6,850		1,317	
SHEET 77	2675+00.00	2686+00.00	11.00		7,232	84	7,465		1,447	
SHEET 78	2686+00.00	2697+00.00	11.00		6,163	73	6,457		1,233	
SHEET 79	2697+00.00	2708+00.00	11.00		5,596	66	5,819		1,120	
SHEET 80	2708+00.00	2719+00.00	11.00		7,201	84	7,487		1,441	
SHEET 81	2719+00.00	2730+00.00	11.00		12,084	141	12,495		2,417	
SHEET 82	2730+00.00	2741+00.00	11.00		12,431	145	12,844		2,487	
SHEET 83	2741+00.00	2752+00.00	11.00		6,901	81	7,162		1,381	
SHEET 84	2752+00.00	2763+00.00	11.00		5,295	62	5,249		1,059	
SHEET 85	2763+00.00	2774+00.00	11.00		4,086	48	4,229		818	
SHEET 86	2774+00.00	2785+00.00	11.00		8,639	101	8,953		1,728	
SHEET 87	2785+00.00	2796+00.00	11.00		9,934	115	10,211		1,987	
SHEET 88	2796+00.00	2807+00.00	11.00		3,436	40	3,538		688	
SHEET 89	2807+00.00	2814+46.00	7.46		110	2	202		22	
LONESTAR			3.50	615						436
HOLLIS			4.00	840						598
OXFORD			3.00	521						376
CLARK			4.00	704						514
STRAWTHER			4.00	704						511
COTTONWOOD			7.00	1,525						1,173
FM1372			3.00	576		6	576			
NETTLES			4.00	872						639
NFM1452			6.20	2,851		20	1,755			
STANDLEY			1.80							217
SFM1452			6.00	1,850		21	1,849			
ROSEBUD			0.75							86
PINE			0.50							84
CSJ 0117-04-031 TOTAL			587	11058	427515	5044	446649		85520	4634
FM 39	107+45.90	124+50.00	17.04			93		6,555		
CSJ 0639-02-028 TOTAL			17			93		6,555		
PROJECT TOTALS			1,093	39,993	763,952	9,475	800,168	31,263	152,811	4,634



2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
103591
6/20/2024

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 24 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	72
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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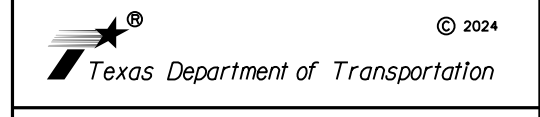
SUMMARY OF ROADWAY QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		316	316	316	354	360	403	423	432	432	450	536
			6029	6403	6404	6045	6026	6001	6001	6001	6045	6062	6002
			ASPH (RC-250)	AGGR (TY-B GR-5 OR TY-L GR-5)	AGGR (TY-PB GR-4 OR TY-PL GR-4 SAC-A)	PLANE ASPH CONC PAV (2")	CURB (TYPE 1)	TEMPORARY SPL SHORING	RETAINING WALL (MSE)	RIPRAP (CONC) (4 IN)	RIPRAP (MOW STRIP) (4 IN)	RAIL (TY SSTR) (MOD)	CONC MEDIAN
FT		GAL	CY	CY	SY	LF	SF	SF	CY	CY	LF	SY	
FROM STA	TO STA												
SHEET 74	2642+00.00	2653+00.00				4,409							
SHEET 75	2653+00.00	2664+00.00				4,209	209						122
SHEET 76	2664+00.00	2675+00.00				4,130				3			
SHEET 77	2675+00.00	2686+00.00				4,202				9			
SHEET 78	2686+00.00	2697+00.00				3,897							
SHEET 79	2697+00.00	2708+00.00				4,308							
SHEET 80	2708+00.00	2719+00.00				2,839							
SHEET 81	2719+00.00	2730+00.00											
SHEET 82	2730+00.00	2741+00.00											
SHEET 83	2741+00.00	2752+00.00				3,486							
SHEET 84	2752+00.00	2763+00.00				4,392				40			
SHEET 85	2763+00.00	2774+00.00				4,444				62			
SHEET 86	2774+00.00	2785+00.00				968				20			
SHEET 87	2785+00.00	2796+00.00				449							
SHEET 88	2796+00.00	2807+00.00				5,335							
SHEET 89	2807+00.00	2814+46.00				3,468							
LONESTAR			144	5	10								
HOLLIS			197	6	13								
OXFORD			124	4	8								
CLARK			170	5	11								
STRAWATHER			169	5	11								
COTTONWOOD			386	12	25								
FMI 372			124	4									
NETTLES			210	6	14								
NFM1452			713	21									
STANDLEY			72	2	5	284							
SFM1452			411	12									
ROSEBUD			28	1	2	113							
PINE			28	1	2	111							
CSJ 0117-04-031 TOTAL			2776	84	101	109054	836				384		457
FM 39	107+45.90	124+50.00	1,732	45				7,059	10,621		36	1,216	
CSJ 0639-02-028 TOTAL			1,732	45				7,059	10,621		36	1,216	
PROJECT TOTALS			11,322	332	101	185,729	2,203	7,059	10,621	46	815	1,216	1,254

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STEPHEN A. JOHNSON
103591
6/20/2024

GARVER 3755 S. Capital of Texas Highway
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TBPELS Firm 5713



US 190

SUMMARY OF QUANTITIES

SHEET 25 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		73
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ

SUMMARY OF ROADWAY QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		540	540	540	540	544	552	552	552	556
			6001	6006	6016	6039	6001	6003	6005	6006	
			MTL W-BEAM GD FEN (TIM POST)	MTL BEAM GD FEN TRANS (THRIE-BEAM)	DOWNSTREAM ANCHOR TERMINAL SECTION	MTL BM GD FEN TRANS (31"-28") (25')	GUARDRAIL END TREATMENT (INSTALL)	WIRE FENCE (TY A) ① ②	WIRE FENCE (TY C) ① ②	GATE (TY 1) ②	PIPE UNDERDRAINS (TY 6) (6")
FT		LF	EA	EA	EA	EA	LF	LF	EA	LF	
FROM STA	TO STA										
SHEET 74	2642+00.00	2653+00.00									
SHEET 75	2653+00.00	2664+00.00									
SHEET 76	2664+00.00	2675+00.00	13				1				
SHEET 77	2675+00.00	2686+00.00	138				1				
SHEET 78	2686+00.00	2697+00.00									
SHEET 79	2697+00.00	2708+00.00									
SHEET 80	2708+00.00	2719+00.00									
SHEET 81	2719+00.00	2730+00.00									
SHEET 82	2730+00.00	2741+00.00									
SHEET 83	2741+00.00	2752+00.00									
SHEET 84	2752+00.00	2763+00.00	625	4			3				
SHEET 85	2763+00.00	2774+00.00	625	6			3				
SHEET 86	2774+00.00	2785+00.00	300	2			2				
SHEET 87	2785+00.00	2796+00.00									
SHEET 88	2796+00.00	2807+00.00									
SHEET 89	2807+00.00	2814+46.00									
LONESTAR											
HOLLIS											
OXFORD											
CLARK											
STRAWTHER											
COTTONWOOD											
FM1372											
NETTLES											
NFM1452											
STANDLEY											
SFM1452											
ROSEBUD											
PINE											
CSJ 0117-04-031 TOTAL			5676	16			36				
FM 39	107+45.90	124+50.00	50	4			4				1,505
CSJ 0639-02-028 TOTAL			50	4			4				1,505
PROJECT TOTALS			12,063	42	3	2	80	1,000	1,000	5	1,505

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2

① TEMPORARY FENCING NOTE:
PRIOR TO REMOVAL OF EXISTING FENCE, INSTALL TEMPORARY FENCING WITHIN THE EXISTING ROW UNLESS OTHERWISE APPROVE.
TEMPORARY FENCING LIMITS AND TYPE WILL BE AS APPROVED BY THE ENGINEER. INSTALLATION AND REMOVAL OF TEMPORARY FENCING WILL BE SUBSIDIARY TO ITEM 552.

② IT IS ANTICIPATED THAT ALL PROPERTY OWNERS SHALL HAVE ERECTED FENCING AND GATES ALONG THE ROW. THE CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY CONSTRUCTED FENCING OR GATES, PER TXDOT STANDARD. A NOMINAL QUANTITY IS SHOWN AS PART OF THE PLANS.

NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ

GARVER 3755 S. Capital of Texas Highway
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(512) 485-0009
TBPELS Firm 5713



US 190

SUMMARY OF QUANTITIES

SHEET 26 OF 43

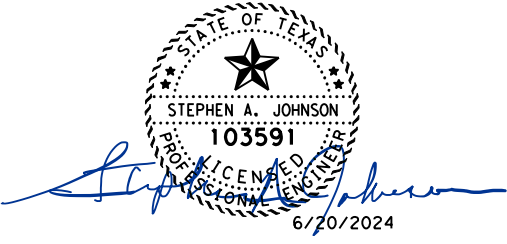
FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		74
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.


SUMMARY OF ROADWAY QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		740	3077	3077	3077	3077	3077	3088	3088	3088
			6005	6001	6001	6011	6042	6075	6001	6002	6007
			ANTI - GRAFFITI COATING (PERMNET -TY III)	SP MIXES SP-B PG64-22 (NEW PVMT)	SP MIXES SP-B PG64-22 (LEVEL-UP)	SP MIXES SP-C SAC-A PG64-22	SP MIXES SP-D SAC-A PG64-22	TACK COAT	CEMENT	ASPHALT BINDER (PG64-22)	FOAMED ASPHALT TREAT (8") (DC)
FT		SF	TON	TON	TON	TON	GAL	TON	TON	SY	
FROM STA	TO STA										
SHEET 74	2642+00.00	2653+00.00		1,275	331			1,109	606		
SHEET 75	2653+00.00	2664+00.00		1,649	1,274			1,268	692		
SHEET 76	2664+00.00	2675+00.00		1,365	321			1,122	612		
SHEET 77	2675+00.00	2686+00.00		1,513	296			1,202	656		
SHEET 78	2686+00.00	2697+00.00		1,265	339			1,044	569		
SHEET 79	2697+00.00	2708+00.00		1,161	593			1,042	569		
SHEET 80	2708+00.00	2719+00.00		1,495	347			1,044	570		
SHEET 81	2719+00.00	2730+00.00		2,532				1,241	677		
SHEET 82	2730+00.00	2741+00.00		2,608				1,277	696		
SHEET 83	2741+00.00	2752+00.00		1,433	981			1,086	592		
SHEET 84	2752+00.00	2763+00.00		1,107	430			1,024	559		
SHEET 85	2763+00.00	2774+00.00		855				905	494		
SHEET 86	2774+00.00	2785+00.00		1,804	8			993	542		
SHEET 87	2785+00.00	2796+00.00		2,097	129			1,081	589		
SHEET 88	2796+00.00	2807+00.00		725	181			942	514		
SHEET 89	2807+00.00	2814+46.00		9				390	212		
LONESTAR											
HOLLIS											
OXFORD											
CLARK											
STRAWTHER											
COTTONWOOD											
FM1372							81				
NETTLES											
NFM1452								290			
STANDLEY											
SFM1452								271			
ROSEBUD											
PINE											
CSJ 0117-04-031 TOTAL				89304	11839	682		55356	30238		
FM 39	107+45.90	124+50.00	11,566				1,008		95	228	24,320
CSJ 0639-02-028 TOTAL			11,566				1,008		95	228	24,320
PROJECT TOTALS			11,566	159,472	21,820	6,390		97,776	53,524	95	228


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US 190

SUMMARY OF QUANTITIES

SHEET 27 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	75
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ

SUMMARY OF EARTHWORK QUANTITIES

2

LOCATION	STATION LIMITS		110	132	132	132	132
			6001	6004	6025	6026	6030
			EXCAVATION (ROADWAY)	EMBANKMENT (FINAL) (DENS CONT) (TY B)	EMBANKMENT (FINAL) (DENS CONT) (TY C1)	EMBANKMENT (FINAL) (DENS CONT) (TY C2)	EMBANKMENT (FINAL) (DENS CONT) (TY C3)
FT		CY	CY	CY	CY	CY	①
FROM STA	TO STA						
SHEET 1	BEGIN	1864+00.00					
SHEET 2	1864+00.00	1905+00.00	5,037	12,822			
SHEET 3	1905+00.00	1916+00.00	2,489	3,726			
SHEET 4	1916+00.00	1927+00.00	358	8,368			
SHEET 5	1927+00.00	1938+00.00	7,265	6,547			
SHEET 6	1938+00.00	1949+00.00	783	8,486			
SHEET 7	1949+00.00	1960+00.00	728	4,773			
SHEET 8	1960+00.00	1971+00.00	6,239	2,085			
SHEET 9	1971+00.00	1982+00.00	703	13,725			
SHEET 10	1982+00.00	1993+00.00	9,163	3,459			
SHEET 11	1993+00.00	2004+00.00	10,991	15,671			
SHEET 12	2004+00.00	2015+00.00	13,273	14,468			
SHEET 13	2015+00.00	2026+00.00	533	12,198			
SHEET 14	2026+00.00	2037+00.00	508		1,786		
SHEET 15	2037+00.00	2048+00.00	1,343		21,819		
SHEET 16	2048+00.00	2059+00.00	1,558	6,518	39,232		
SHEET 17	2059+00.00	2070+00.00	2,298	4,211			
SHEET 18	2070+00.00	2081+00.00	7,811	1,955			
SHEET 19	2081+00.00	2092+00.00	1,339	5,862			
SHEET 20	2092+00.00	2103+00.00	1,232	14,365			
SHEET 21	2103+00.00	2114+00.00	1,241	16,263			
SHEET 22	2114+00.00	2125+00.00	1,563	18,499	15,478		
FM 2865	10+00.00	13+00.00	441	58			
SHEPHERD HILL	10+00.00	12+75.00	18	72			
CSJ 0117-03-024 TOTAL			76,913	174,130	78,315		
SHEET 23	2125+00.00	2136+00.00	11,521	4254.8	43,447		
SHEET 24	2136+00.00	2147+00.00	3,305	17,275	6,066		
SHEET 25	2147+00.00	2158+00.00	6,454	2,974	29,653		
SHEET 26	2158+00.00	2169+00.00	5,565	21,111	17,458		
SHEET 27-28	2169+00.00	2180+00.00	3,415	23,489	80,539		
SHEET 29-30	2180+00.00	2191+00.00	977		185,950		
SHEET 31-32	2191+00.00	2202+00.00	1,059		371,218		
SHEET 33-34	2202+00.00	2213+00.00	2,858		184,265		
SHEET 35	2213+00.00	2224+00.00	36,275	4,510	18,019		
SHEET 36	2224+00.00	2235+00.00	10,473	12,411			
SHEET 37	2235+00.00	2246+00.00	3,982	28,897			
SHEET 38	2246+00.00	2257+00.00	10,116	26,798			
SHEET 39	2257+00.00	2268+00.00	14,338	2,584			
SHEET 40	2268+00.00	2275+00.00	3,520	7,121			
CR 439			3,693				
ENTRANCE/EXIT RAMPS			5,006	156,642			
FM 39	124+50.00	170+00.00	8,715	4,463			
BUSINESS SH 21			2,725	4,503			
CSJ 0117-10-001 TOTAL			133,996	317,033	936,616		
SHEET 40	2275+00.00	2279+00.00	1,207	13,455			
SHEET 41	2279+00.00	2290+00.00	19,272	3,175	28,478		
SHEET 42	2290+00.00	2301+00.00	7,545	5,732	1,429		
SHEET 43	2301+00.00	2312+00.00	5,746	24,860	12,849		
SHEET 44	2312+00.00	2323+00.00	5,947	23,832			
SHEET 45	2323+00.00	2334+00.00	6,823	4,104			
SHEET 46	2334+00.00	2345+00.00	6,822	6,380			
SHEET 47	2345+00.00	2356+00.00	7,309	3,745			
SHEET 48	2356+00.00	2367+00.00	4,866	4,917			
SHEET 49	2367+00.00	2378+00.00	7,901	1,343			
SHEET 50	2378+00.00	2389+00.00	10,241	2,225	6,843		
SHEET 51	2389+00.00	2400+00.00	11,588	612			
SHEET 52	2400+00.00	2411+00.00	6,712	8,449			
SHEET 53	2411+00.00	2422+00.00	8,606	853			
SHEET 54	2422+00.00	2433+00.00	4,381	8,710			
SHEET 55	2433+00.00	2444+00.00	4,990	11,902			
SHEET 56	2444+00.00	2455+00.00	6,713	8,713			
SHEET 57	2455+00.00	2466+00.00	13,880	4,431			
SHEET 58	2466+00.00	2477+00.00	5,694	8,551			
SHEET 59	2477+00.00	2488+00.00	12,928	2,167			
SHEET 60	2488+00.00	2499+00.00	2,256	11,828			
SHEET 61	2499+00.00	2510+00.00	5,789	5,533			
SHEET 62	2510+00.00	2521+00.00	1,013	26,787			
SHEET 63	2521+00.00	2532+00.00	3,561	14,750			
SHEET 64	2532+00.00	2543+00.00	3,389	14,991			
SHEET 65	2543+00.00	2554+00.00	2,150	9,978			
SHEET 66	2554+00.00	2565+00.00	6,566	1,788			
SHEET 67	2565+00.00	2576+00.00	9,934	2,308			
SHEET 68	2576+00.00	2587+00.00	2,720	9,213	20,811		
SHEET 69	2587+00.00	2598+00.00	7,831	2,708			
SHEET 70	2598+00.00	2609+00.00	3,457	5,963	35,005		
SHEET 71	2609+00.00	2620+00.00	3,991	21,799			
SHEET 72	2620+00.00	2631+00.00	9,180	1,582	12,906		
SHEET 73	2631+00.00	2642+00.00	2,033	2,952	15,302		

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① TYPE AS BACKFILL TO BE PAID FOR AS ITEM 132 TY C3. REFER TO GENERAL NOTES FOR MORE INFORMATION.

2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

STATE OF TEXAS
 STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/21/2024

GARVER
 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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US 190
 SUMMARY OF QUANTITIES

SHEET 28 OF 43			
FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		76
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF EARTHWORK QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		110	132	132	132	132	
			6001	6004	6025	6026	6030	
			EXCAVATION (ROADWAY)	EMBANKMENT (FINAL) (DENS CONT) (TY B)	EMBANKMENT (FINAL) (DENS CONT) (TY C1)	EMBANKMENT (FINAL) (DENS CONT) (TY C2)	EMBANKMENT (FINAL) (DENS CONT) (TY C3)	
FT		CY	CY	CY	CY	CY	①	
FROM STA	TO STA							
SHEET 74	2642+00.00	2653+00.00	2,104	13,162				
SHEET 75	2653+00.00	2664+00.00	4,188	11,874				
SHEET 76	2664+00.00	2675+00.00	2,615	13,026				
SHEET 77	2675+00.00	2686+00.00	6,322	9,425				
SHEET 78	2686+00.00	2697+00.00	3,074	15,811				
SHEET 79	2697+00.00	2708+00.00	2,988	12,960				
SHEET 80	2708+00.00	2719+00.00	3,739	15,365				
SHEET 81	2719+00.00	2730+00.00	4,433	7,755				
SHEET 82	2730+00.00	2741+00.00	4,904	9,804				
SHEET 83	2741+00.00	2752+00.00	1,729	12,353	22,025			
SHEET 84	2752+00.00	2763+00.00	987		40,813			
SHEET 85	2763+00.00	2774+00.00	730		23,159	13,189		
SHEET 86	2774+00.00	2785+00.00	3,604	6,079	19,938			
SHEET 87	2785+00.00	2796+00.00	3,176	5,308				
SHEET 88	2796+00.00	2807+00.00	4,666	3,596				
SHEET 89	2807+00.00	2814+46.00	1,022	291				
LONESTAR			250	361				
HOLLIS			292	6				
OXFORD			478					
CLARK			1,146	1				
STRAWHER			67	207				
COTTONWOOD			95	3,525				
FM1372			66	825				
NETTLES			375	15				
NFM1452				2,205				
STANDLEY			493	26				
SFM1452			384	1				
ROSEBUD			1,263	5				
PINE			654	1				
CSJ 0117-04-031 TOTAL			278,885	424,323	239,558	13,189		
FM 39	107+45.90	124+50.00	1,379		842		4,757	
CSJ 0639-02-028 TOTAL			1,379		842		4,757	
PROJECT TOTALS			491,173	915,486	1,255,330	13,189	4,757	

① TYPE AS BACKFILL TO BE PAID FOR AS ITEM 132 TY C3. REFER TO GENERAL NOTES FOR MORE INFORMATION.

NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISIONS	SAJ

US 190

SUMMARY OF QUANTITIES

SHEET 29 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		77
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

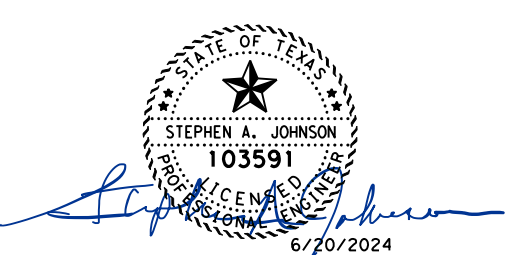
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SUMMARY OF DRAINAGE QUANTITIES

LOCATION	STATION	400 6001	400 6005	402 6001	403 6001	432 6002	432 6031	432 6032	432 6033	432 6034	462 6001	462 6002	462 6003	462 6004	462 6005
		STRUCT EXCAV	CEM STABIL BKFL	TRENCH EXCAVATION PROTECTION	TEMPORARY SPL SHORING	RIPRAP (CONC) (5 IN)	RIPRAP (STONE PROTECTION) (12 IN)	RIPRAP (STONE PROTECTION) (15 IN)	RIPRAP (STONE PROTECTION) (18 IN)	RIPRAP (STONE PROTECTION) (21 IN)	CONC BOX CULV (3 FT X 2 FT)	CONC BOX CULV (3 FT X 3 FT)	CONC BOX CULV (4 FT X 2 FT)	CONC BOX CULV (4 FT X 3 FT)	CONC BOX CULV (4 FT X 4 FT)
		CY	CY	LF	SF	CY	CY	CY	CY	CY	LF	LF	LF	LF	LF
STRUCTURE A1	STA 1916+46.27	14	3		264			17							
STRUCTURE A1A	STA 1926+95.00	157	87	156			21								
STRUCTURE A1B	STA 1944+79.37	49	52							9	112				
STRUCTURE A3	STA 1959+83.00	1,010	166	590		9									
STRUCTURE A3A	STA 1979+68.18	166	94			5						188			
STRUCTURE A4	STA 2002+73.00	783	300			14	46								
STRUCTURE A4A	STA 2007+22.00	196	113	211	716	5					242				
STRUCTURE A5	STA 2026+45.97	903	227	102	3,136	16									
STRUCTURE A6	STA 2040+29.00	4,943	681		6,500	50	31								
STRUCTURE A6A	STA 2043+28.72	96	101		75	5		12							
STRUCTURE A6B	STA 2068+66.34	206	92	122		5					197				
STRUCTURE A6C	STA 2082+60.55	137	53	122		10		4			114				
STRUCTURE A6D	STA 2105+71.39	101	65	26	50	4					140				
STRUCTURE A7	STA 2124+04.34	345	155			7									238
CSJ 0117-03-024 TOTAL		9,105	2,189	1,329	10,741	132	98	33	9	805		188			238
STRUCTURE A8	STA 2133+75.84	613	129				98								337
STRUCTURE A9	STA 2154+75.00	1259	229				67				580				
STRUCTURE A9A	STA 2166+00.00	1240	332			19									
STRUCTURE A17	STA 2213+25.00	1194	333			26	130								
STRUCTURE A17A	STA 2224+80.16	271	87			31					188				
STRUCTURE A18	STA 2252+60.00	1041	345			29									
CSJ 0117-10-001 TOTAL		5618	1455			105	295			188	580				337
STRUCTURE A19	STA 2282+81.00	5119	991		1440	128			942						
STRUCTURE A20	STA 2291+62.15	850	163		800	6									
STRUCTURE A22	STA 2307+13.00	2568	493		1500	57									
STRUCTURE A23	STA 2312+64.24	592	312		1230		152								
STRUCTURE A24	STA 2338+93.03	3,941	489		10,550		62								
STRUCTURE A25	STA 2345+84.34	1,107	174		720	78	50								
STRUCTURE A25A	STA 2352+54.03	551	93			48	5			199					
STRUCTURE A26	STA 2364+54.11	206	69		550	8	20								106
STRUCTURE A27	STA 2382+45.00	2,235	430		360	16		481							
STRUCTURE A28	STA 2401+54.26	2,430	208	754	2,475	182									
STRUCTURE A29	STA 2426+10.54	1,151	206	168	145	42									
STRUCTURE A30	STA 2442+11.10	1,676	201	292	112	36	11								
STRUCTURE A31	STA 2470+15.20	1,758	153	420	1,425	43									
STRUCTURE A32	STA 2491+13.32	528	138	214		160									
STRUCTURE A33	STA 2499+18.75	370	123	100		53	30								
STRUCTURE A34	STA 2519+95.03	580	222	80		10									
STRUCTURE A35	STA 2541+74.29	774	169	108		129				165					
STRUCTURE A36	STA 2577+10.89	72	103		2,625	56					190				
STRUCTURE A37	STA 2603+27.74	2,342	205	622	4,050	10	60								315
STRUCTURE A38A	STA 2618+72.74	402		100		9									
STRUCTURE A39A	STA 2650+38.55	363	62	216		49				250					
STRUCTURE A39	STA 2658+22.76	1,112	76	162		32									
STRUCTURE A40	STA 2676+69.10	995	190	298		6	103								
STRUCTURE A41	STA 2698+55.29	401	115			30				130					
STRUCTURE A42	STA 2716+35.72	499	115	138		86							199		
STRUCTURE A43	STA 2733+73.00	537	122	110		91									
STRUCTURE A43A	STA 2746+88.80	608				7	14								
STRUCTURE A44	STA 2780+50.00	835				39	63								
STRUCTURE A44A	STA 2794+05.00	210	53			27				114					
CSJ 0117-04-031 TOTAL		34,812	5,675	3,782	27,982	1,438	570		1,423	9	858	190		199	421
PROJECT TOTALS		49,535	9,319	5,111	38,723	1,675	963	33	1,423	9	1,850	770	188	199	996

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV



GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
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 TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 30 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	78
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION	462	462	462	462	462	462	462	462	462	462	462	462	462	462
		6006	6007	6008	6009	6010	6011	6012	6014	6015	6019	6020	6021	6024	6034
		CONC BOX CULV (5 FT X 2 FT)	CONC BOX CULV (5 FT X 3 FT)	CONC BOX CULV (5 FT X 4 FT)	CONC BOX CULV (5 FT X 5 FT)	CONC BOX CULV (6 FT X 3 FT)	CONC BOX CULV (6 FT X 4 FT)	CONC BOX CULV (6 FT X 5 FT)	CONC BOX CULV (7 FT X 3 FT)	CONC BOX CULV (7 FT X 4 FT)	CONC BOX CULV (8 FT X 4 FT)	CONC BOX CULV (8 FT X 5 FT)	CONC BOX CULV (8 FT X 6 FT)	CONC BOX CULV (9 FT X 5 FT)	CONC BOX CULV (10 FT X 10 FT)
		LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
STRUCTURE A1	STA 1916+46.27			3											
STRUCTURE A1A	STA 1926+95.00														
STRUCTURE A1B	STA 1944+79.37														
STRUCTURE A3	STA 1959+83.00								241						
STRUCTURE A3A	STA 1979+68.18														
STRUCTURE A4	STA 2002+73.00														294
STRUCTURE A4A	STA 2007+22.00														
STRUCTURE A5	STA 2026+45.97		482												
STRUCTURE A6	STA 2040+29.00														836
STRUCTURE A6A	STA 2043+28.72				133										
STRUCTURE A6B	STA 2068+66.34														
STRUCTURE A6C	STA 2082+60.55														
STRUCTURE A6D	STA 2105+71.39														
STRUCTURE A7	STA 2124+04.34														
CSJ 0117-03-024 TOTAL			482	3	133				241						1,130
STRUCTURE A8	STA 2133+75.84														
STRUCTURE A9	STA 2154+75.00														
STRUCTURE A9A	STA 2166+00.00					656									
STRUCTURE A17	STA 2213+25.00						460								
STRUCTURE A17A	STA 2224+80.16														
STRUCTURE A18	STA 2252+60.00						625								
CSJ 0117-10-001 TOTAL						656	1085								
STRUCTURE A19	STA 2282+81.00														
STRUCTURE A20	STA 2291+62.15	386													
STRUCTURE A22	STA 2307+13.00												726		
STRUCTURE A23	STA 2312+64.24	738													
STRUCTURE A24	STA 2338+93.03								830						
STRUCTURE A25	STA 2345+84.34														
STRUCTURE A25A	STA 2352+54.03									199					
STRUCTURE A26	STA 2364+54.11														
STRUCTURE A27	STA 2382+45.00														477
STRUCTURE A28	STA 2401+54.26													229	
STRUCTURE A29	STA 2426+10.54							344							
STRUCTURE A30	STA 2442+11.10														
STRUCTURE A31	STA 2470+15.20														
STRUCTURE A32	STA 2491+13.32			201											
STRUCTURE A33	STA 2499+18.75		200												
STRUCTURE A34	STA 2519+95.03							408							
STRUCTURE A35	STA 2541+74.29	398													
STRUCTURE A36	STA 2577+10.89														
STRUCTURE A37	STA 2603+27.74														
STRUCTURE A38A	STA 2618+72.74														
STRUCTURE A39A	STA 2650+38.55														
STRUCTURE A39	STA 2658+22.76		438												
STRUCTURE A40	STA 2676+69.10												201		
STRUCTURE A41	STA 2698+55.29	213													
STRUCTURE A42	STA 2716+35.72														
STRUCTURE A43	STA 2733+73.00					188									
STRUCTURE A43A	STA 2746+88.80														
STRUCTURE A44	STA 2780+50.00														
STRUCTURE A44A	STA 2794+05.00														
CSJ 0117-04-031 TOTAL		1,735	638	201		188		344	408	830	192	199	1,139	229	477
PROJECT TOTALS		1,735	1,120	204	133	844	1,085	344	649	830	192	199	1,139	229	1,607

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

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 Texas Department of Transportation

US 190

SUMMARY OF QUANTITIES

SHEET 31 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	79
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION	462	464	464	464	464	464	464	465	465	465	465	466	466	466
		6038	6003	6005	6007	6008	6030	6031	6004	6071	6075	6559	6101	6132	6155
		CONC BOX CULV (11 FT X 10 FT)	RC PIPE (CL 111) (18 IN)	RC PIPE (CL 111) (24 IN)	RC PIPE (CL 111) (30 IN)	RC PIPE (CL 111) (36 IN)	RC PIPE (ARCH) (CL 111) (DES 1)	RC PIPE (ARCH) (CL 111) (DES 2)	MANH (COMPL) (PR M) (72IN)	INLET (COMPL) (PS L) (RC) (4FTX 4FT)	INLET (COMPL) (PS L) (RC) (5FTX 6FT)	INL (CMP) (PA ZD-CZ) (FG) (L 4FTX4FT-3FT X3FT)	HEADWALL (CH - PW - O) (DIA- 36 IN)	HEADWALL (CH - PW - S) (DIA- 30 IN)	WINGWALL (FW - O) (HW=8 FT)
	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	
STRUCTURE A1	STA 1916+46.27														
STRUCTURE A1A	STA 1926+95.00			16	223					1			1		
STRUCTURE A1B	STA 1944+79.37			36				1							
STRUCTURE A3	STA 1959+83.00			23							1				
STRUCTURE A3A	STA 1979+68.18		61							1					
STRUCTURE A4	STA 2002+73.00			25							1				
STRUCTURE A4A	STA 2007+22.00														
STRUCTURE A5	STA 2026+45.97		24												
STRUCTURE A6	STA 2040+29.00			140											
STRUCTURE A6A	STA 2043+28.72														
STRUCTURE A6B	STA 2068+66.34														
STRUCTURE A6C	STA 2082+60.55														
STRUCTURE A6D	STA 2105+71.39														
STRUCTURE A7	STA 2124+04.34		25								1				
CSJ 0117-03-024 TOTAL			110	240	223			1	1	1	3		1		
STRUCTURE A8	STA 2133+75.84		122					1							
STRUCTURE A9	STA 2154+75.00		131								1				
STRUCTURE A9A	STA 2166+00.00														
STRUCTURE A17	STA 2213+25.00		138								1				
STRUCTURE A17A	STA 2224+80.16														
STRUCTURE A18	STA 2252+60.00		450								2				
CSJ 0117-10-001 TOTAL			841					1			4				
STRUCTURE A19	STA 2282+81.00	1,393	212								1				
STRUCTURE A20	STA 2291+62.15														
STRUCTURE A22	STA 2307+13.00		66	106				1							1
STRUCTURE A23	STA 2312+64.24														
STRUCTURE A24	STA 2338+93.03		79												
STRUCTURE A25	STA 2345+84.34		72												
STRUCTURE A25A	STA 2352+54.03														
STRUCTURE A26	STA 2364+54.11		54												
STRUCTURE A27	STA 2382+45.00		107												
STRUCTURE A28	STA 2401+54.26		82								1				
STRUCTURE A29	STA 2426+10.54		125												
STRUCTURE A30	STA 2442+11.10		172												
STRUCTURE A31	STA 2470+15.20		62								1				
STRUCTURE A32	STA 2491+13.32		123												
STRUCTURE A33	STA 2499+18.75														
STRUCTURE A34	STA 2519+95.03														
STRUCTURE A35	STA 2541+74.29														
STRUCTURE A36	STA 2577+10.89		135					1							
STRUCTURE A37	STA 2603+27.74		127					1							
STRUCTURE A38A	STA 2618+72.74				215										
STRUCTURE A39A	STA 2650+38.55														
STRUCTURE A39	STA 2658+22.76														
STRUCTURE A40	STA 2676+69.10		142												
STRUCTURE A41	STA 2698+55.29														
STRUCTURE A42	STA 2716+35.72														1
STRUCTURE A43	STA 2733+73.00														
STRUCTURE A43A	STA 2746+88.80						458					2			
STRUCTURE A44	STA 2780+50.00						442					2			
STRUCTURE A44A	STA 2794+05.00														
CSJ 0117-04-031 TOTAL		1,393	1,558	106	215	900	201	78	3		3	4		2	
PROJECT TOTALS		1,393	2,509	346	438	900	201	78	5	1	1	10	4	1	2

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

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TBPELS Firm 5713

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SUMMARY OF QUANTITIES

SHEET 32 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	80
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION	466	466	466	466	466	466	466	466	466	466	466	467	466	466
		6165	6166	6167	6170	6173	6174	6178	6179	6180	6181	6182	6007	6183	6184
		WINGWALL (FW - S) (HW=4 FT)	WINGWALL (FW - S) (HW=5 FT)	WINGWALL (FW - S) (HW=6 FT)	WINGWALL (FW - S) (HW=9 FT)	WINGWALL (PW - 1) (HW=12 FT)	WINGWALL (PW - 1) (HW=13 FT)	WINGWALL (PW - 1) (HW=3 FT)	WINGWALL (PW - 1) (HW=4 FT)	WINGWALL (PW - 1) (HW=5 FT)	WINGWALL (PW - 1) (HW=6 FT)	WINGWALL (PW - 1) (HW=7 FT)	SET (TY I) (24 IN) (6: 1) (C)	WINGWALL (PW - 1) (HW=8 FT)	WINGWALL (PW - 1) (HW=9 FT)
		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
STRUCTURE A1	STA 1916+46.27														
STRUCTURE A1A	STA 1926+95.00										1				
STRUCTURE A1B	STA 1944+79.37												1		
STRUCTURE A3	STA 1959+83.00	2							1				2		
STRUCTURE A3A	STA 1979+68.18														
STRUCTURE A4	STA 2002+73.00														
STRUCTURE A4A	STA 2007+22.00														
STRUCTURE A5	STA 2026+45.97														
STRUCTURE A6	STA 2040+29.00												1		
STRUCTURE A6A	STA 2043+28.72														
STRUCTURE A6B	STA 2068+66.34							1							
STRUCTURE A6C	STA 2082+60.55														
STRUCTURE A6D	STA 2105+71.39														
STRUCTURE A7	STA 2124+04.34														
CSJ 0117-03-024 TOTAL		2							1	1			1	4	
STRUCTURE A8	STA 2133+75.84														2
STRUCTURE A9	STA 2154+75.00									1			1		
STRUCTURE A9A	STA 2166+00.00	2													
STRUCTURE A17	STA 2213+25.00		2												
STRUCTURE A17A	STA 2224+80.16														
STRUCTURE A18	STA 2252+60.00			2											
CSJ 0117-10-001 TOTAL		2	2	2						1			1		2
STRUCTURE A19	STA 2282+81.00							2							
STRUCTURE A20	STA 2291+62.15														
STRUCTURE A22	STA 2307+13.00				1										
STRUCTURE A23	STA 2312+64.24								1					1	
STRUCTURE A24	STA 2338+93.03														
STRUCTURE A25	STA 2345+84.34												1		
STRUCTURE A25A	STA 2352+54.03														
STRUCTURE A26	STA 2364+54.11														
STRUCTURE A27	STA 2382+45.00				2										
STRUCTURE A28	STA 2401+54.26														
STRUCTURE A29	STA 2426+10.54														
STRUCTURE A30	STA 2442+11.10														
STRUCTURE A31	STA 2470+15.20														1
STRUCTURE A32	STA 2491+13.32														
STRUCTURE A33	STA 2499+18.75										2				
STRUCTURE A34	STA 2519+95.03														
STRUCTURE A35	STA 2541+74.29														
STRUCTURE A36	STA 2577+10.89														
STRUCTURE A37	STA 2603+27.74														1
STRUCTURE A38A	STA 2618+72.74														
STRUCTURE A39A	STA 2650+38.55														
STRUCTURE A39	STA 2658+22.76														
STRUCTURE A40	STA 2676+69.10											1			
STRUCTURE A41	STA 2698+55.29														
STRUCTURE A42	STA 2716+35.72														
STRUCTURE A43	STA 2733+73.00														
STRUCTURE A43A	STA 2746+88.80									1					
STRUCTURE A44	STA 2780+50.00														
STRUCTURE A44A	STA 2794+05.00														
CSJ 0117-04-031 TOTAL					1	2	2	2	2	1	1		1	2	
PROJECT TOTALS		4	2	2	1	2	2	3	3	1	2	2	4	1	4

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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ

STATE OF TEXAS

 STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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 Texas Department of Transportation

US 190
 SUMMARY OF QUANTITIES

SHEET 33 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	81	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION	466	467	467	467	467	467	467	467	467	467	467	467	467	467
		6194	6009	6010	6015	6016	6045	6106	6109	6110	6112	6115	6117	6119	6124
		WINGWALL (PW - 2) (HW=5 FT)	SET (TY I) (30 IN) (4: 1) (C)	SET (TY I) (30 IN) (6: 1) (C)	SET (TY I) (36 IN) (4: 1) (C)	SET (TY I) (36 IN) (6: 1) (C)	SET (TY I) (S=10 FT) (HW=11 FT) (3:1) (C)	SET (TY I) (S=3 FT) (HW=3FT) (4:1) (C)	SET (TY I) (S=3 FT) (HW= 3 FT) (6:1) (C)	SET (TY I) (S=3 FT) (HW= 3 FT) (6:1) (P)	SET (TY I) (S=3 FT) (HW= 4 FT) (4:1) (C)	SET (TY I) (S=3 FT) (HW= 4 FT) (6:1) (C)	SET (TY I) (S=3 FT) (HW= 5 FT) (3:1) (C)	SET (TY I) (S=3 FT) (HW= 5 FT) (6:1) (C)	SET (TY I) (S=3 FT) (HW= 7 FT) (3:1) (C)
		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
STRUCTURE A1	STA 1916+46.27														
STRUCTURE A1A	STA 1926+95.00														
STRUCTURE A1B	STA 1944+79.37			1					1						
STRUCTURE A3	STA 1959+83.00														
STRUCTURE A3A	STA 1979+68.18														
STRUCTURE A4	STA 2002+73.00								1						
STRUCTURE A4A	STA 2007+22.00								1						
STRUCTURE A5	STA 2026+45.97														
STRUCTURE A6	STA 2040+29.00								2						
STRUCTURE A6A	STA 2043+28.72														
STRUCTURE A6B	STA 2068+66.34								1						
STRUCTURE A6C	STA 2082+60.55								1						
STRUCTURE A6D	STA 2105+71.39								1						
STRUCTURE A7	STA 2124+04.34												1		
CSJ 0117-03-024 TOTAL				1			3	1	4	1			1		
STRUCTURE A8	STA 2133+75.84														
STRUCTURE A9	STA 2154+75.00														
STRUCTURE A9A	STA 2166+00.00														
STRUCTURE A17	STA 2213+25.00														
STRUCTURE A17A	STA 2224+80.16												1		1
STRUCTURE A18	STA 2252+60.00														1
CSJ 0117-10-001 TOTAL												1			1
STRUCTURE A19	STA 2282+81.00														
STRUCTURE A20	STA 2291+62.15														
STRUCTURE A22	STA 2307+13.00														
STRUCTURE A23	STA 2312+64.24														
STRUCTURE A24	STA 2338+93.03	2													
STRUCTURE A25	STA 2345+84.34														
STRUCTURE A25A	STA 2352+54.03								2						
STRUCTURE A26	STA 2364+54.11														
STRUCTURE A27	STA 2382+45.00														
STRUCTURE A28	STA 2401+54.26														
STRUCTURE A29	STA 2426+10.54														
STRUCTURE A30	STA 2442+11.10														
STRUCTURE A31	STA 2470+15.20														
STRUCTURE A32	STA 2491+13.32														
STRUCTURE A33	STA 2499+18.75														
STRUCTURE A34	STA 2519+95.03														
STRUCTURE A35	STA 2541+74.29														
STRUCTURE A36	STA 2577+10.89										2				
STRUCTURE A37	STA 2603+27.74														
STRUCTURE A38A	STA 2618+72.74		1		1										
STRUCTURE A39A	STA 2650+38.55														1
STRUCTURE A39	STA 2658+22.76								3						
STRUCTURE A40	STA 2676+69.10														
STRUCTURE A41	STA 2698+55.29														
STRUCTURE A42	STA 2716+35.72										2				
STRUCTURE A43	STA 2733+73.00														
STRUCTURE A43A	STA 2746+88.80														
STRUCTURE A44	STA 2780+50.00						2								
STRUCTURE A44A	STA 2794+05.00														
CSJ 0117-04-031 TOTAL		2	1	1	2	2		5		5	1				1
PROJECT TOTALS		2	1	2	2	2	3	6	4	6	1	1	1	1	1

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2	10/25/24	REVISED QUANTITIES	SAJ
		REVISION	APPROV

US 190

SUMMARY OF QUANTITIES

SHEET 34 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		82
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION	467	467	467	467	467	467	467	467	467	467
		6141	6144	6146	6150	6158	6160	6162	6172	6173	6175
		SET (TY 1) (S= 4 FT) (HW= 3 FT) (6:1) (C)	SET (TY 1) (S= 4 FT) (HW= 4 FT) (4:1) (C)	SET (TY 1) (S= 4 FT) (HW= 4 FT) (6:1) (C)	SET (TY 1) (S= 4 FT) (HW= 5 FT) (4:1) (C)	SET (TY 1) (S= 4 FT) (HW= 7 FT) (4:1) (C)	SET (TY 1) (S= 4 FT) (HW= 8 FT) (3:1) (C)	SET (TY 1) (S= 4 FT) (HW= 9 FT) (3:1) (C)	SET (TY 1) (S= 5 FT) (HW= 3 FT) (4:1) (C)	SET (TY 1) (S= 5 FT) (HW= 3 FT) (6:1) (C)	SET (TY 1) (S= 5 FT) (HW= 4 FT) (3:1) (C)
EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
STRUCTURE A1	STA 1916+46.27										
STRUCTURE A1A	STA 1926+95.00										
STRUCTURE A1B	STA 1944+79.37										
STRUCTURE A3	STA 1959+83.00										
STRUCTURE A3A	STA 1979+68.18	1		1							
STRUCTURE A4	STA 2002+73.00										
STRUCTURE A4A	STA 2007+22.00										
STRUCTURE A5	STA 2026+45.97									1	
STRUCTURE A6	STA 2040+29.00										
STRUCTURE A6A	STA 2043+28.72										
STRUCTURE A6B	STA 2068+66.34										
STRUCTURE A6C	STA 2082+60.55										
STRUCTURE A6D	STA 2105+71.39										
STRUCTURE A7	STA 2124+04.34					1		1			
CSJ 0117-03-024 TOTAL		1		1		1		1		1	
STRUCTURE A8	STA 2133+75.84										
STRUCTURE A9	STA 2154+75.00										
STRUCTURE A9A	STA 2166+00.00										
STRUCTURE A17	STA 2213+25.00										
STRUCTURE A17A	STA 2224+80.16										
STRUCTURE A18	STA 2252+60.00										
CSJ 0117-10-001 TOTAL											
STRUCTURE A19	STA 2282+81.00										
STRUCTURE A20	STA 2291+62.15								2		
STRUCTURE A22	STA 2307+13.00										
STRUCTURE A23	STA 2312+64.24										
STRUCTURE A24	STA 2338+93.03										
STRUCTURE A25	STA 2345+84.34										
STRUCTURE A25A	STA 2352+54.03										
STRUCTURE A26	STA 2364+54.11			1							
STRUCTURE A27	STA 2382+45.00										
STRUCTURE A28	STA 2401+54.26										
STRUCTURE A29	STA 2426+10.54										
STRUCTURE A30	STA 2442+11.10										
STRUCTURE A31	STA 2470+15.20										
STRUCTURE A32	STA 2491+13.32										
STRUCTURE A33	STA 2499+18.75										
STRUCTURE A34	STA 2519+95.03										
STRUCTURE A35	STA 2541+74.29								1		
STRUCTURE A36	STA 2577+10.89										
STRUCTURE A37	STA 2603+27.74					1					
STRUCTURE A38A	STA 2618+72.74										
STRUCTURE A39A	STA 2650+38.55									1	
STRUCTURE A39	STA 2658+22.76										
STRUCTURE A40	STA 2676+69.10										
STRUCTURE A41	STA 2698+55.29							1			
STRUCTURE A42	STA 2716+35.72		1								
STRUCTURE A43	STA 2733+73.00										
STRUCTURE A43A	STA 2746+88.80										
STRUCTURE A44	STA 2780+50.00										
STRUCTURE A44A	STA 2794+05.00										
CSJ 0117-04-031 TOTAL			1		1		1	1	3	1	
PROJECT TOTALS		1	1	1	1	1	1	1	3	2	

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV
			
		3755 S. Capital of Texas Highway Suite 325 Austin, TX 78704 (512) 485-0009 TBPELS Firm 5713	
			
US 190			
SUMMARY OF QUANTITIES			
SHEET 35 OF 43			
FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	83	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

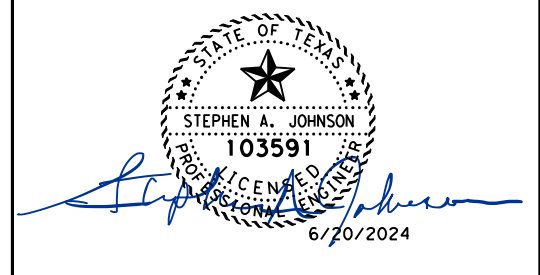
SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION	467	467	467	467	467	467	467
		6179	6183	6186	6212	6220	6224	6245
		SET (TY 1) (S= 5 FT) (HW= 4 FT) (6:1) (C)	SET (TY 1) (S= 5 FT) (HW= 5 FT) (6:1) (C)	SET (TY 1) (S= 5 FT) (HW= 6 FT) (4:1) (C)	SET (TY 1) (S= 6 FT) (HW= 4 FT) (4:1) (C)	SET (TY 1) (S= 6 FT) (HW= 5 FT) (6:1) (C)	SET (TY 1) (S= 6 FT) (HW= 6 FT) (4:1) (C)	SET (TY 1) (S= 7 FT) (HW= 4 FT) (4:1) (C)
EA	EA	EA	EA	EA	EA	EA		
STRUCTURE A1	STA 1916+46.27							
STRUCTURE A1A	STA 1926+95.00							
STRUCTURE A1B	STA 1944+79.37							
STRUCTURE A3	STA 1959+83.00							
STRUCTURE A3A	STA 1979+68.18							
STRUCTURE A4	STA 2002+73.00							
STRUCTURE A4A	STA 2007+22.00							
STRUCTURE A5	STA 2026+45.97	1						
STRUCTURE A6	STA 2040+29.00							
STRUCTURE A6A	STA 2043+28.72			1				
STRUCTURE A6B	STA 2068+66.34							
STRUCTURE A6C	STA 2082+60.55							
STRUCTURE A6D	STA 2105+71.39							
STRUCTURE A7	STA 2124+04.34							
CSJ 0117-03-024 TOTAL		1		1				
STRUCTURE A8	STA 2133+75.84							
STRUCTURE A9	STA 2154+75.00							
STRUCTURE A9A	STA 2166+00.00							
STRUCTURE A17	STA 2213+25.00							
STRUCTURE A17A	STA 2224+80.16							
STRUCTURE A18	STA 2252+60.00							
CSJ 0117-10-001 TOTAL								
STRUCTURE A19	STA 2282+81.00							
STRUCTURE A20	STA 2291+62.15							
STRUCTURE A22	STA 2307+13.00							
STRUCTURE A23	STA 2312+64.24							
STRUCTURE A24	STA 2338+93.03							
STRUCTURE A25	STA 2345+84.34							
STRUCTURE A25A	STA 2352+54.03							
STRUCTURE A26	STA 2364+54.11							
STRUCTURE A27	STA 2382+45.00							
STRUCTURE A28	STA 2401+54.26							
STRUCTURE A29	STA 2426+10.54					2		
STRUCTURE A30	STA 2442+11.10							
STRUCTURE A31	STA 2470+15.20							
STRUCTURE A32	STA 2491+13.32		2					
STRUCTURE A33	STA 2499+18.75							
STRUCTURE A34	STA 2519+95.03							1
STRUCTURE A35	STA 2541+74.29		1					
STRUCTURE A36	STA 2577+10.89							
STRUCTURE A37	STA 2603+27.74							
STRUCTURE A38A	STA 2618+72.74							
STRUCTURE A39A	STA 2650+38.55							
STRUCTURE A39	STA 2658+22.76		1					
STRUCTURE A40	STA 2676+69.10							
STRUCTURE A41	STA 2698+55.29		1					
STRUCTURE A42	STA 2716+35.72							
STRUCTURE A43	STA 2733+73.00			1		1		
STRUCTURE A43A	STA 2746+88.80							
STRUCTURE A44	STA 2780+50.00							
STRUCTURE A44A	STA 2794+05.00							
CSJ 0117-04-031 TOTAL			5		1	1	2	1
PROJECT TOTALS		1	5	1	1	1	2	1

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV



GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713



US 190
 SUMMARY OF QUANTITIES
 SHEET 36 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		84
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION	467	467	467	467	467	467
		6246	6280	6284	6287	6289	6290
		SET (TY 1) (S= 7 FT) (HW= 4 FT) (6:1) (C)	SET (TY 1) (S= 8 FT) (HW= 6 FT) (4:1) (C)	SET (TY 1) (S= 8 FT) (HW= 7 FT) (4:1) (C)	SET (TY 1) (S= 8 FT) (HW= 8 FT) (4:1) (C)	SET (TY 1) (S= 8 FT) (HW= 9 FT) (4:1) (C)	SET (TY 1) (S= 9 FT) (HW= 10 FT) (3:1) (C)
		EA	EA	EA	EA	EA	EA
STRUCTURE A1	STA 1916+46.27						
STRUCTURE A1A	STA 1926+95.00						
STRUCTURE A1B	STA 1944+79.37						
STRUCTURE A3	STA 1959+83.00						
STRUCTURE A3A	STA 1979+68.18						
STRUCTURE A4	STA 2002+73.00						
STRUCTURE A4A	STA 2007+22.00						
STRUCTURE A5	STA 2026+45.97						
STRUCTURE A6	STA 2040+29.00						
STRUCTURE A6A	STA 2043+28.72						
STRUCTURE A6B	STA 2068+66.34						
STRUCTURE A6C	STA 2082+60.55						
STRUCTURE A6D	STA 2105+71.39						
STRUCTURE A7	STA 2124+04.34						
CSJ 0117-03-024 TOTAL							
STRUCTURE A8	STA 2133+75.84						
STRUCTURE A9	STA 2154+75.00						
STRUCTURE A9A	STA 2166+00.00						
STRUCTURE A17	STA 2213+25.00						
STRUCTURE A17A	STA 2224+80.16						
STRUCTURE A18	STA 2252+60.00						
CSJ 0117-10-001 TOTAL							
STRUCTURE A19	STA 2282+81.00						
STRUCTURE A20	STA 2291+62.15						
STRUCTURE A22	STA 2307+13.00						
STRUCTURE A23	STA 2312+64.24						
STRUCTURE A24	STA 2338+93.03						
STRUCTURE A25	STA 2345+84.34		1				
STRUCTURE A25A	STA 2352+54.03						
STRUCTURE A26	STA 2364+54.11						
STRUCTURE A27	STA 2382+45.00						
STRUCTURE A28	STA 2401+54.26						1
STRUCTURE A29	STA 2426+10.54						
STRUCTURE A30	STA 2442+11.10			1	1		
STRUCTURE A31	STA 2470+15.20					1	
STRUCTURE A32	STA 2491+13.32						
STRUCTURE A33	STA 2499+18.75						
STRUCTURE A34	STA 2519+95.03	1					
STRUCTURE A35	STA 2541+74.29						
STRUCTURE A36	STA 2577+10.89						
STRUCTURE A37	STA 2603+27.74						
STRUCTURE A38A	STA 2618+72.74						
STRUCTURE A39A	STA 2650+38.55						
STRUCTURE A39	STA 2658+22.76						
STRUCTURE A40	STA 2676+69.10			1			
STRUCTURE A41	STA 2698+55.29						
STRUCTURE A42	STA 2716+35.72						
STRUCTURE A43	STA 2733+73.00						
STRUCTURE A43A	STA 2746+88.80						
STRUCTURE A44	STA 2780+50.00						
STRUCTURE A44A	STA 2794+05.00						
CSJ 0117-04-031 TOTAL		1	1	2	1	1	1
PROJECT TOTALS		1	1	2	1	1	1

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

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 (512) 485-0009
 TBPELS Firm 5713

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SUMMARY OF QUANTITIES

SHEET 37 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		85
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION	467	467	467	467
		6313	6363	6518	6530
		SET (TY I) (S= 9 FT) (HW= 9 FT) (4:1) (C)	SET (TY II) (18 IN) (RCP) (6: 1 (P)	SET (TY II) (DES 1) (RCP) (6: 1 (C)	SET (TY II) (DES 2) (RCP) (6: 1 (C)
		EA	EA	EA	EA
STRUCTURE A1	STA 1916+46.27				
STRUCTURE A1A	STA 1926+95.00				
STRUCTURE A1B	STA 1944+79.37				
STRUCTURE A3	STA 1959+83.00				
STRUCTURE A3A	STA 1979+68.18		2		
STRUCTURE A4	STA 2002+73.00				
STRUCTURE A4A	STA 2007+22.00				
STRUCTURE A5	STA 2026+45.97		1		
STRUCTURE A6	STA 2040+29.00				
STRUCTURE A6A	STA 2043+28.72				
STRUCTURE A6B	STA 2068+66.34				
STRUCTURE A6C	STA 2082+60.55				
STRUCTURE A6D	STA 2105+71.39				
STRUCTURE A7	STA 2124+04.34				
CSJ 0117-03-024 TOTAL			3		
STRUCTURE A8	STA 2133+75.84		2		
STRUCTURE A9	STA 2154+75.00				
STRUCTURE A9A	STA 2166+00.00				
STRUCTURE A17	STA 2213+25.00				
STRUCTURE A17A	STA 2224+80.16				
STRUCTURE A18	STA 2252+60.00				
CSJ 0117-10-001 TOTAL			2		
STRUCTURE A19	STA 2282+81.00		1		
STRUCTURE A20	STA 2291+62.15				
STRUCTURE A22	STA 2307+13.00		2		
STRUCTURE A23	STA 2312+64.24				
STRUCTURE A24	STA 2338+93.03		1		
STRUCTURE A25	STA 2345+84.34		1		
STRUCTURE A25A	STA 2352+54.03				
STRUCTURE A26	STA 2364+54.11		1		
STRUCTURE A27	STA 2382+45.00		2		
STRUCTURE A28	STA 2401+54.26	1			
STRUCTURE A29	STA 2426+10.54		2		
STRUCTURE A30	STA 2442+11.10		2		
STRUCTURE A31	STA 2470+15.20				
STRUCTURE A32	STA 2491+13.32		2		
STRUCTURE A33	STA 2499+18.75			1	
STRUCTURE A34	STA 2519+95.03			2	
STRUCTURE A35	STA 2541+74.29				
STRUCTURE A36	STA 2577+10.89		2		
STRUCTURE A37	STA 2603+27.74		2		
STRUCTURE A38A	STA 2618+72.74				
STRUCTURE A39A	STA 2650+38.55				
STRUCTURE A39	STA 2658+22.76				1
STRUCTURE A40	STA 2676+69.10		2		
STRUCTURE A41	STA 2698+55.29				
STRUCTURE A42	STA 2716+35.72				
STRUCTURE A43	STA 2733+73.00			1	
STRUCTURE A43A	STA 2746+88.80				
STRUCTURE A44	STA 2780+50.00				
STRUCTURE A44A	STA 2794+05.00				
CSJ 0117-04-031 TOTAL		1	20	4	1
PROJECT TOTALS		1	25	4	1

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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

GARVER 3755 S. Capital of Texas Highway
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US 190

SUMMARY OF QUANTITIES

SHEET 38 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	86	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		432	432	464	464	464	464	464	465	
			6002	6032	6003	6005	6007	6008	6012	6017	6126
			RIPRAP (CONC) (5 IN)	RIPRAP (STONE PROTECTION) (15 IN)	RC PIPE (CL 111) (18 IN)	RC PIPE (CL 111) (24 IN)	RC PIPE (CL 111) (30 IN)	RC PIPE (CL 111) (36 IN)	RC PIPE (CL 111) (60 IN)	RC PIPE (CL 1V) (18 IN)	INLET (COMPL) (PSL) (FG) (3FTX3FT-3FTX3FT)
FT		CY	CY	LF	LF	LF	LF	LF	LF	EA	
SHEET 1	1885+69.61	1892+00.00			616						
SHEET 2	1892+00.00	1915+00.00			638						1
SHEET 3	1915+00.00	1938+00.00				109					1
SHEET 4	1938+00.00	1961+00.00									
SHEET 5	1961+00.00	1982+00.00									
SHEET 6	1982+00.00	2003+00.00				86					
SHEET 7	2003+00.00	2026+00.00			153						
SHEET 8	2026+00.00	2049+00.00									
SHEET 9	2049+00.00	2072+00.00							426		
SHEET 10	2072+00.00	2095+00.00									
SHEET 11	2095+00.00	2117+00.00				76					
SHEET 12	2117+00.00	2125+00.00									
CSJ 0117-03-024 TOTAL					1,407	271			426		2
SHEET 12	2125+00.00	2139+00.00	82								
SHEET 13	2139+00.00	2162+00.00	371								
SHEET 14	2162+00.00	2186+00.00	52		37		377				
SHEET 15	2186+00.00	2210+00.00									
SHEET 16	2210+00.00	2234+00.00	266								
SHEET 17	2234+00.00	2258+00.00	72		153						
SHEET 18	2258+00.00	2275+00.00	148		76						
FM 39	124+50.00	167+89.53	450	5	174		174				
ENTRANCE/ EXIT RAMPS					77		377		392		
CSJ 0117-10-001 TOTAL			1441	5	517		754	174	392		
SHEET 18	2275+00.00	2282+00.00									
SHEET 19	2282+00.00	2306+00.00	221								
SHEET 20	2306+00.00	2330+00.00			102						
SHEET 21	2330+00.00	2354+00.00	124		80						
SHEET 22	2354+00.00	2378+00.00	38								
SHEET 23	2378+00.00	2402+00.00	142								
SHEET 24	2402+00.00	2426+00.00	191								
SHEET 25	2426+00.00	2450+00.00			75						
SHEET 26	2450+00.00	2474+00.00			152						
SHEET 27	2474+00.00	2498+00.00	88		77						
SHEET 28	2498+00.00	2522+00.00									
SHEET 29	2522+00.00	2546+00.00	657								
SHEET 30	2546+00.00	2570+00.00	668								
SHEET 31	2570+00.00	2594+00.00	169		158						
SHEET 32	2594+00.00	2618+00.00			87						
SHEET 33	2618+00.00	2642+00.00	323		77						
SHEET 34	2642+00.00	2666+00.00	327		118						
SHEET 35	2666+00.00	2690+00.00			91						
SHEET 36	2690+00.00	2714+00.00									
SHEET 37	2714+00.00	2738+00.00	34		77						
SHEET 38	2738+00.00	2762+00.00	61		100						
SHEET 39	2762+00.00	2786+00.00	386		78						
SHEET 40	2786+00.00	2814+46.38	396								
CSJ 0117-04-031 TOTAL			3,825		1,272						
PROJECT TOTALS			5,266	5	3,196	271	754	174	392	426	2

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2	10/21/24	SHEET ADDED	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
103591
6/21/2024

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 38A OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		86A
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF DRAINAGE QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		465	465	466	466	466	467	467	467	467	467	467
			6159	6070	6043	6052	6101	6362	6363	6394	6395	6419	6450
	FT		INLET (COMPL) (PAZD) (FG) (4 FTX4FT-3FTX3F T)	INLET (COMPL) (PSL (RC) (3FTX3F T)	HEADWALL (CH - FW - 30) (DIA= 60 IN)	HEADWALL (CH - FW - 45) (DIA= 30 IN)	HEADWALL (CH - PW - 0) (DIA= 36 IN)	SET (TY II) (18 IN) (RCP) (6: 1) (C)	SET (TY II) (18 IN) (RCP) (6: 1) (P)	SET (TY II) (24 IN) (RCP) (6: 1) (C)	SET (TY II) (24 IN) (RCP) (6: 1) (P)	SET (TY II) (30 IN) (RCP) (4: 1) (C)	SET (TY II) (36 IN) (RCP) (4: 1) (C)
FROM STA	TO STA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
SHEET 1	1885+69.61	1892+00.00		2					1				
SHEET 2	1892+00.00	1915+00.00		1					1				
SHEET 3	1915+00.00	1938+00.00								1			
SHEET 4	1938+00.00	1961+00.00											
SHEET 5	1961+00.00	1982+00.00											
SHEET 6	1982+00.00	2003+00.00									2		
SHEET 7	2003+00.00	2026+00.00							2				
SHEET 8	2026+00.00	2049+00.00											
SHEET 9	2049+00.00	2072+00.00							6				
SHEET 10	2072+00.00	2095+00.00											
SHEET 11	2095+00.00	2117+00.00							1		1		
SHEET 12	2117+00.00	2125+00.00											
CSJ 0117-03-024 TOTAL				3					11	1	3		
SHEET 12	2125+00.00	2139+00.00											
SHEET 13	2139+00.00	2162+00.00											
SHEET 14	2162+00.00	2186+00.00											
SHEET 15	2186+00.00	2210+00.00											
SHEET 16	2210+00.00	2234+00.00											
SHEET 17	2234+00.00	2258+00.00							2				
SHEET 18	2258+00.00	2275+00.00							2				
FM 39	124+50.00	167+89.53						2				2	
ENTRANCE/ EXIT RAMPS			4		2	1		2			1		1
CSJ 0117-10-001 TOTAL			4		2	1	2	2	4		1	2	1
SHEET 18	2275+00.00	2282+00.00											
SHEET 19	2282+00.00	2306+00.00											
SHEET 20	2306+00.00	2330+00.00							2				
SHEET 21	2330+00.00	2354+00.00							2				
SHEET 22	2354+00.00	2378+00.00											
SHEET 23	2378+00.00	2402+00.00											
SHEET 24	2402+00.00	2426+00.00											
SHEET 25	2426+00.00	2450+00.00							2				
SHEET 26	2450+00.00	2474+00.00							4				
SHEET 27	2474+00.00	2498+00.00							2				
SHEET 28	2498+00.00	2522+00.00											
SHEET 29	2522+00.00	2546+00.00											
SHEET 30	2546+00.00	2570+00.00											
SHEET 31	2570+00.00	2594+00.00							4				
SHEET 32	2594+00.00	2618+00.00							2				
SHEET 33	2618+00.00	2642+00.00							2				
SHEET 34	2642+00.00	2666+00.00							2				
SHEET 35	2666+00.00	2690+00.00							2				
SHEET 36	2690+00.00	2714+00.00											
SHEET 37	2714+00.00	2738+00.00							2				
SHEET 38	2738+00.00	2762+00.00							2				
SHEET 39	2762+00.00	2786+00.00							2				
SHEET 40	2786+00.00	2814+46.38											
CSJ 0117-04-031 TOTAL									30				
PROJECT TOTALS			4	3	2	1	2	2	45	1	3	1	2

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2	10/21/24	SHEET ADDED	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
103591
6/21/2024

3755 S. Capital of Texas Highway
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TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 38B OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		86B
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF SIGNING AND PAVEMENT MARKING QUANTITIES

LOCATION	STATION LIMITS		416	533	533	636	644	644	644	644
			6018	6001	6002	6002	6001	6002	6004	6028
	DRILL SHAFT (SIGN MTS) (24 IN)	RUMBLE STRIPS (SHOULDER) ①	RUMBLE STRIPS (CENTERLINE) ①	ALUMINUM SIGNS (TY G)	IN SM RD SN SUP&AM TY10BWC (1) SA (P)	IN SM RD SN SUP&AM TY10BWC (1) SA (P -BM)	IN SM RD SN SUP&AM TY10BWC (1) SA (T)	IN SM RD SN SUP&AM TYS80 (1) SA (P-BM)		
FT		LF	LF	LF	SF	EA	EA	EA	EA	
FROM STA	TO STA									
SHEET 1	BEGIN	1905+00.00		5,316		6	4	1		
SHEET 2	1905+00.00	1927+00.00		8,441		1				
SHEET 3	1927+00.00	1949+00.00		8,800						
SHEET 4	1949+00.00	1971+00.00		7,447		2	4			
SHEET 5	1971+00.00	1993+00.00		6,227		7	3		1	
SHEET 6	1993+00.00	2015+00.00		7,454		2				
SHEET 7	2015+00.00	2037+00.00		6,383		3	4			
SHEET 8	2037+00.00	2059+00.00		7,788		4				
SHEET 9	2059+00.00	2081+00.00		7,421		2	4			
SHEET 10	2081+00.00	2103+00.00		8,509		3	1		2	
SHEET 11	2103+00.00	2125+00.00	12	5,598		2			1	
SHEET 12										
FM 2865								5		
SHEPHERD HILL										
CSJ 0117-03-024 TOTAL			12	79,384	0	155	32	20	6	4
SHEET 12	2125+00.00	2147+00.00		3790		6	9	9		
SHEET 13	2147+00.00	2169+00.00	10	7610		155		1		
SHEET 14	2169+00.00	2191+00.00	24	4703		193	2	4		
SHEET 15	2191+00.00	2213+00.00	12	6101		163		1		
SHEET 16	2213+00.00	2235+00.00	12	7867		155	1	1		
SHEET 17	2235+00.00	2257+00.00	14	6578		155	3	7	4	
SHEET 18	2257+00.00	2275+00.00		2818		7	3	6		
HAHN LN										
ENTRANCE/EXIT RAMP			6			30		6		
FM 39	124+50.00	170+00.00		5704		13	4	18		
BUSINESS SH 21 EAST & WEST						1		2		
CSJ 0117-10-001 TOTAL			78	45171	0	851	33	24	51	0
SHEET 18	2275+00.00	2279+00.00		1,200						
SHEET 19	2279+00.00	2301+00.00		7,413		2	3	2		
SHEET 20	2301+00.00	2323+00.00		3,803		1	9	11		
SHEET 21	2323+00.00	2345+00.00		5,927		1	4	4		
SHEET 22	2345+00.00	2367+00.00		8,806				1		
SHEET 23	2367+00.00	2389+00.00		8,269		1		1		
SHEET 24	2389+00.00	2411+00.00		6,910		1	6	2		
SHEET 25	2411+00.00	2433+00.00		8,803						
SHEET 26	2433+00.00	2455+00.00		5,643		3	6	7		
SHEET 27	2455+00.00	2477+00.00		4,669		1	3	5		
SHEET 28	2477+00.00	2499+00.00		8,173			6	3		
SHEET 29	2499+00.00	2521+00.00		4,876		2	3	5		
SHEET 30	2521+00.00	2543+00.00		7,953			4	1		
SHEET 31	2543+00.00	2565+00.00		8,800						
SHEET 32	2565+00.00	2587+00.00		7,104		1	3	5		
SHEET 33	2587+00.00	2609+00.00		7,595		1	3	2		
SHEET 34	2609+00.00	2631+00.00		5,617		5	6	7		
SHEET 35	2631+00.00	2653+00.00		7,904		1		3		
SHEET 36	2653+00.00	2675+00.00		6,677		1	6	2		
SHEET 37	2675+00.00	2697+00.00		7,750			3	5		
SHEET 38	2697+00.00	2719+00.00		8,802						
SHEET 39	2719+00.00	2741+00.00		5,612		7	6	6		
SHEET 40	2741+00.00	2763+00.00		6,756		4	4	6		
SHEET 41	2763+00.00	2785+00.00		6,399		2	3	6		
SHEET 42	2785+00.00	2807+00.00		5,241		1		16		
SHEET 43	2807+00.00	2814+46.00		1,547	773			1		
LONESTAR										
HOLLIS										
OXFORD										
CLARK										
STRAWTHER										
COTTONWOOD										
FM1372							2	1		
NETTLES										
NFM1452							1			
STANDLEY										
SFM1452							1	1		
ROSEBUD										
PINE										
CSJ 0117-04-031 TOTAL			0	168,249	773	0	39	78	103	0
FM 39	107+46.00	124+50.00		8249			1	1		
CSJ 0639-02-028 TOTAL				0	8249	0	1	0	1	0
PROJECT TOTALS			90	292,804	9,022	1,006	105	122	161	4

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① RUMBLE STRIPS NOTE:
USE RUMBLE STRIPS ON ROADWAYS GREATER THAN A 45 MPH POSTED SPEED. APPLY SHOULDER RUMBLE STRIPS AT LEAST 50 FEET AND NO MORE THAN 150 FEET IN ADVANCE OF BRIDGES, INTERSECTIONS, OR DRIVEWAYS WITH HIGH USAGE OF LARGE TRUCKS. RUMBLE STRIPS SHOULD NOT BE PLACED ACROSS EXIT OR ENTRANCE RAMP, ACCELERATION/DECELERATION LANES, OR INTERSECTIONS WITH OTHER ROADWAYS.

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2	10/25/24	QUANTITY REVISIONS	CEM
NO.	DATE	REVISION	APPROV

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 39 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	87	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF SIGNING AND PAVEMENT MARKING QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		644	644	644	644	644	644	644	647	658	658
			6030	6033	6034	6035	6051	6068	6076	6001	6061	6095
			IN SM RD SN SUP&M TYS80 (1) SA (T)	IN SM RD SN SUP&M TYS80 (1) SA (U)	IN SM RD SN SUP&M TYS80 (1) SA (U-1EXT)	IN SM RD SN SUP&M TYS80 (1) SA (U-2EXT)	IN SM RD SN SUP&M TYS80 (2) SA (P-EXAL)	RELOCATE SM RD SN SUP&M TY 10BWG	REMOVE SM RD SN SUP&M	INSTALL LRSS (STRUCT STEEL)	INSTR DEL ASSM (D-SW) SZ 1 (BRF) GF2	INSTR DEL ASSM (D-DY) SZ 1 (YFLX) GND
FT		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
FROM STA		TO STA										
SHEET 1	BEGIN	1905+00.00						2	6		8	2
SHEET 2	1905+00.00	1927+00.00							1			
SHEET 3	1927+00.00	1949+00.00										
SHEET 4	1949+00.00	1971+00.00			1				1			2
SHEET 5	1971+00.00	1993+00.00	1					4	5			2
SHEET 6	1993+00.00	2015+00.00					1	1	1		8	
SHEET 7	2015+00.00	2037+00.00						1			20	2
SHEET 8	2037+00.00	2059+00.00						1			1	
SHEET 9	2059+00.00	2081+00.00							2			2
SHEET 10	2081+00.00	2103+00.00	1						3			2
SHEET 11	2103+00.00	2125+00.00							1	874		
SHEET 12												
FM 2865												
SHEPHERD HILL												
CSJ 0117-03-024 TOTAL			2	0	1	0	1	9	20	874	37	12
SHEET 12	2125+00.00	2147+00.00				2						4
SHEET 13	2147+00.00	2169+00.00								573	16	
SHEET 14	2169+00.00	2191+00.00								1535	25	
SHEET 15	2191+00.00	2213+00.00								938	52	
SHEET 16	2213+00.00	2235+00.00				1				917	11	
SHEET 17	2235+00.00	2257+00.00				1				1126	18	4
SHEET 18	2257+00.00	2275+00.00				1						2
HAHN LN												
ENTRANCE/EXIT RAMP			2	2						245		
FM 39	124+50.00	170+00.00	2			1	3		1			
BUSINESS SH 21 EAST & WEST							2					
CSJ 0117-10-001 TOTAL			4	2	0	6	5	0	1	5334	122	10
SHEET 18	2275+00.00	2279+00.00							4			
SHEET 19	2279+00.00	2301+00.00				1	1		7		22	2
SHEET 20	2301+00.00	2323+00.00				1			11		18	4
SHEET 21	2323+00.00	2345+00.00				1			3		11	2
SHEET 22	2345+00.00	2367+00.00							1			
SHEET 23	2367+00.00	2389+00.00				1					17	
SHEET 24	2389+00.00	2411+00.00				1						2
SHEET 25	2411+00.00	2433+00.00							4			
SHEET 26	2433+00.00	2455+00.00							4			4
SHEET 27	2455+00.00	2477+00.00				1			3			2
SHEET 28	2477+00.00	2499+00.00										4
SHEET 29	2499+00.00	2521+00.00				2			2			2
SHEET 30	2521+00.00	2543+00.00										2
SHEET 31	2543+00.00	2565+00.00							1			
SHEET 32	2565+00.00	2587+00.00				1			8		11	2
SHEET 33	2587+00.00	2609+00.00			1		1		5		8	2
SHEET 34	2609+00.00	2631+00.00			1	2	1		12		16	4
SHEET 35	2631+00.00	2653+00.00				1			2		17	
SHEET 36	2653+00.00	2675+00.00				1			8		2	2
SHEET 37	2675+00.00	2697+00.00							2		4	2
SHEET 38	2697+00.00	2719+00.00							3			
SHEET 39	2719+00.00	2741+00.00		1		3	1		5			4
SHEET 40	2741+00.00	2763+00.00		1		1	1		9		52	2
SHEET 41	2763+00.00	2785+00.00				1			4		54	2
SHEET 42	2785+00.00	2807+00.00						3	5			
SHEET 43	2807+00.00	2814+46.00							2			
LONESTAR												
HOLLIS												
OXFORD												
CLARK												
STRAWATHER												
COTTONWOOD												
FM1372									3			
NETTLES												
NFM1452									1			
STANDLEY												
SFM1452									2			
ROSEBUD												
PINE												
CSJ 0117-04-031 TOTAL			0	2	2	18	5	3	111	0	232	44
FM 39	107+46.00	124+50.00					1		5			
CSJ 0639-02-028 TOTAL			0	0	0	0	1	0	5	0	0	0
PROJECT TOTALS			6	4	3	24	12	12	137	6,208	391	66

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2	10/25/24	QUANTITY REVISIONS	CEM
NO.	DATE	REVISION	APPROV

6/20/2024

3755 S. Capital of Texas Highway
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 (512) 485-0009
 TBPELS Firm 5713

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SUMMARY OF QUANTITIES

SHEET 40 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	88	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF SIGNING AND PAVEMENT MARKING QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS		658	658	666	666	666	666	666	666	666	
			6099	6100	6018	6030	6036	6042	6048	6102	6147	6306
			INSTL OM ASSM (OM-22) (WFLX)GND	INSTL OM ASSM (OM-22) (WFLX)GND (B1)	REFL PAV MRK TY I (W) 6" (DOT) (1 00MIL)	REFL PAV MRK TY I (W) 8" (DOT) (1 00MIL)	REFL PAV MRK TY I (W) 8" (SLD) (1 00MIL)	REFL PAV MRK TY I (W) 12" (SLD) (1 00MIL)	REFL PAV MRK TY I (W) 24" (SLD) (1 00MIL)	REF TY MRK TY I (W) 36" (YLD TRI) (100MIL)	REFL PAV MRK TY I (Y) 24" (SLD) (1 00MIL)	RE PM W/RET REQ TY I (W) 6" (BRK) (1 00MIL)
FT		EA	EA	LF	LF	LF	LF	LF	EA	LF	LF	
FROM STA		TO STA										
SHEET 1	BEGIN	1905+00.00	2	2			1544			8	962	
SHEET 2	1905+00.00	1927+00.00	5	1		39	210				1097	
SHEET 3	1927+00.00	1949+00.00	4	1							1100	
SHEET 4	1949+00.00	1971+00.00	13	2		39	903			8	1100	
SHEET 5	1971+00.00	1993+00.00	16	3		75	2081		32	4	1099	
SHEET 6	1993+00.00	2015+00.00	13			75	1048				1101	
SHEET 7	2015+00.00	2037+00.00	9			39	1221			8	1100	
SHEET 8	2037+00.00	2059+00.00	9			39	869				1100	
SHEET 9	2059+00.00	2081+00.00	16			39	932			8	1100	
SHEET 10	2081+00.00	2103+00.00	6				136		20	4	1056	
SHEET 11	2103+00.00	2125+00.00			189	111	1880				1100	
SHEET 12												
FM 2865												
SHEPHERD HILL												
CSJ 0117-03-024 TOTAL			93	9	189	456	10,824	0	52	40	0	11,914
SHEET 12	2125+00.00	2147+00.00		2			3697		12	12	1100	
SHEET 13	2147+00.00	2169+00.00	2	1	225			38			1100	
SHEET 14	2169+00.00	2191+00.00			168		2790	1010			1100	
SHEET 15	2191+00.00	2213+00.00			376						1100	
SHEET 16	2213+00.00	2235+00.00		1		39	786				1100	
SHEET 17	2235+00.00	2257+00.00		2		39	1102		12		1100	
SHEET 18	2257+00.00	2275+00.00		3	215	75	3182		4		900	
HAHN LN												
ENTRANCE/EXIT RAMPS												
FM 39	124+50.00	170+00.00			136		2636		28	12	757	
BUSINESS SH 21 EAST & WEST												
CSJ 0117-10-001 TOTAL			2	9	1120	264	14193	1048	40	40	757	7500
SHEET 18	2275+00.00	2279+00.00									200	
SHEET 19	2279+00.00	2301+00.00	2	4		111	851			4	1,100	
SHEET 20	2301+00.00	2323+00.00		3		111	3,754		8	16	1,100	
SHEET 21	2323+00.00	2345+00.00	6	3		111	2,297		12	4	1,100	
SHEET 22	2345+00.00	2367+00.00	4	2							1,100	
SHEET 23	2367+00.00	2389+00.00	2	2		39	389				1,100	
SHEET 24	2389+00.00	2411+00.00	2	1		39	1,477			8	1,100	
SHEET 25	2411+00.00	2433+00.00		2							1,100	
SHEET 26	2433+00.00	2455+00.00	4	8		75	2,538		12	8	1,100	
SHEET 27	2455+00.00	2477+00.00	4	5		150	3,447		12	4	1,100	
SHEET 28	2477+00.00	2499+00.00	2	4			451			8	1,100	
SHEET 29	2499+00.00	2521+00.00		3		111	3,295		10	4	1,100	
SHEET 30	2521+00.00	2543+00.00	8	2		39	603			4	1,100	
SHEET 31	2543+00.00	2565+00.00									1,100	
SHEET 32	2565+00.00	2587+00.00	2	4		75	1,906		20	4	1,100	
SHEET 33	2587+00.00	2609+00.00		4		39	961			4	1,100	
SHEET 34	2609+00.00	2631+00.00	4	4		75	2,411		20	8	1,100	
SHEET 35	2631+00.00	2653+00.00	2	2		39	299				1,100	
SHEET 36	2653+00.00	2675+00.00	2	3		75	1,351			8	1,100	
SHEET 37	2675+00.00	2697+00.00	4	4			909		11	4	1,100	
SHEET 38	2697+00.00	2719+00.00	6	2							1,100	
SHEET 39	2719+00.00	2741+00.00		3		75	2,564		26	8	1,100	
SHEET 40	2741+00.00	2763+00.00		6		39	1,388		36	4	1,100	
SHEET 41	2763+00.00	2785+00.00	2	2		75	937			4	1,100	
SHEET 42	2785+00.00	2807+00.00	2	2					20		386	620
SHEET 43	2807+00.00	2814+46.00										
LONESTAR												
HOLLIS												
OXFORD												
CLARK												
STRAWATHER												
COTTONWOOD												
FM1372												
NETTLES												
NFM1452												
STANDLEY												
SFM1452												
ROSEBUD												
PINE												
CSJ 0117-04-031 TOTAL			58	75	0	1,278	31,828	0	187	104	386	26,120
FM 39	107+46.00	124+50.00					360		48	4	102	0
CSJ 0639-02-028 TOTAL			0	0	0	0	360	0	48	4	102	0
PROJECT TOTALS			153	93	1,309	1,998	57,205	1,048	327	188	1,245	45,534

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2	10/25/24	QUANTITY REVISIONS	CEM
NO.	DATE	REVISION	APPROV



GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713



US 190

SUMMARY OF QUANTITIES

SHEET 41 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		89
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

SUMMARY OF SIGNING AND PAVEMENT MARKING QUANTITIES (CONTINUED)

LOCATION	STATION LIMITS FT		666	666	668	668	668	668	672	672	672
			6309	6321	6077	6080	6083	6085	6007	6009	6010
			RE PM W/RET REQ TY I (W) 6" (SLD) (100 MIL)	RE PM W/RET REQ TY I (Y) 6" (SLD) (100 MIL)	PREFAB PAV MRK TY C (W) (ARROW)	PREFAB PAV MRK TY C (W) (UTURN ARROW)	PREFAB PAV MRK TY C (W) (LNDP ARROW)	PREFAB PAV MRK TY C (W) (WORD)	REFL PAV MRKR TY I-C	REFL PAV MRKR TY II-A-A	REFL PAV MRKR TY II-C-R
FROM STA	TO STA	LF	LF	EA	EA	EA	EA	EA	EA	EA	
SHEET 1	BEGIN	1905+00.00	4141	3,838		3		3	77		48
SHEET 2	1905+00.00	1927+00.00	4400	4,402		1		1	11		55
SHEET 3	1927+00.00	1949+00.00	4400	4,400		0					55
SHEET 4	1949+00.00	1971+00.00	4802	4,406		3		2	45		55
SHEET 5	1971+00.00	1993+00.00	4931	4,964	4	1		6	104		101
SHEET 6	1993+00.00	2015+00.00	4401	4,402	1	1		2	52		55
SHEET 7	2015+00.00	2037+00.00	5005	4,422		3		3	61		55
SHEET 8	2037+00.00	2059+00.00	4400	4,401		1		2	43		55
SHEET 9	2059+00.00	2081+00.00	4809	4,404		3		2	47		55
SHEET 10	2081+00.00	2103+00.00	5131	5,253	1			1	7		53
SHEET 11	2103+00.00	2125+00.00	4402	3,600	3			3	94		76
SHEET 12											
FM 2865											
SHEPHERD HILL											
CSJ 0117-03-024 TOTAL			50,822	48,492	9	16	2	25	541	0	663
SHEET 12	2125+00.00	2147+00.00	5555	5111	8	2		10	185	6	55
SHEET 13	2147+00.00	2169+00.00	4404	4401			2				73
SHEET 14	2169+00.00	2191+00.00	4584	4583	2191+00.00	4584					222
SHEET 15	2191+00.00	2213+00.00	4404	4400			2				86
SHEET 16	2213+00.00	2235+00.00	43998	4401		1		1	39		55
SHEET 17	2235+00.00	2257+00.00	4865	4476		3		3	55		55
SHEET 18	2257+00.00	2275+00.00	4055	4748	4	2	2	6	122	3	46
HAHN LN			599	602						30	
ENTRANCE/EXIT RAMPS			4186	4447				4			
FM 39	124+50.00	170+00.00	9050	12520	11			7	121	445	
BUSINESS SH 21 EAST & WEST				1602						13	
CSJ 0117-10-001 TOTAL			85700	51291	23	8	6	31	522	497	592
SHEET 18	2275+00.00	2279+00.00	800	800					20		10
SHEET 19	2279+00.00	2301+00.00	4,507	4,478	3	1		4	43		55
SHEET 20	2301+00.00	2323+00.00	5,458	4,487	4	4		8	188		55
SHEET 21	2323+00.00	2345+00.00	4,543	4,491	5	1		6	115		55
SHEET 22	2345+00.00	2367+00.00	4,400	4,400							55
SHEET 23	2367+00.00	2389+00.00	4,401	4,401		1		1	19		55
SHEET 24	2389+00.00	2411+00.00	4,805	4,408		3		3	74		55
SHEET 25	2411+00.00	2433+00.00	4,399	4,399							55
SHEET 26	2433+00.00	2455+00.00	4,529	4,551	4	3		7	127		55
SHEET 27	2455+00.00	2477+00.00	4,534	4,475	6	1		7	172		55
SHEET 28	2477+00.00	2499+00.00	4,521	4,565	2499+00.00	4,521		2	23		55
SHEET 29	2499+00.00	2521+00.00	4,536	4,478	4	3		7	165		55
SHEET 30	2521+00.00	2543+00.00	4,534	4,501	1	1		2	30		55
SHEET 31	2543+00.00	2565+00.00	4,400	4,400							55
SHEET 32	2565+00.00	2587+00.00	4,524	4,501	3	1		4	95		55
SHEET 33	2587+00.00	2609+00.00	4,525	4,492	1	1		2	48		55
SHEET 34	2609+00.00	2631+00.00	4,714	4,565	4	2		5	121		55
SHEET 35	2631+00.00	2653+00.00	4,401	4,401		1		1	15		55
SHEET 36	2653+00.00	2675+00.00	4,856	4,404		3		4	68		55
SHEET 37	2675+00.00	2697+00.00	4,518	4,487	2			2	45		55
SHEET 38	2697+00.00	2719+00.00	4,400	4,400							55
SHEET 39	2719+00.00	2741+00.00	4,776	4,564		3		5	128		55
SHEET 40	2741+00.00	2763+00.00	4,401	4,482		4		4	69		55
SHEET 41	2763+00.00	2785+00.00	4,502	4,471	1	2		3	47		55
SHEET 42	2785+00.00	2807+00.00	4,401	7,925					24	351	11
SHEET 43	2807+00.00	2814+46.00	1,544	1,546				2		20	
LONESTAR											
HOLLIS											
OXFORD											
CLARK											
STRAWATHER											
COTTONWOOD											
FM1372			570								
NETTLES											
NFM1452			358							11	
STANDLEY											
SFM1452											
ROSEBUD											
PINE											
CSJ 0117-04-031 TOTAL			112,857	113,072	46	32	2	77	1,636	382	1,286
FM 39	107+46.00	124+50.00	3213	5766	1			1	3	155	
CSJ 0639-02-028 TOTAL			3213	5766	1	0	0	1	3	155	0
PROJECT TOTALS			252,592	218,621	79	56	10	134	2,703	1,034	2,541

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2	10/25/24	QUANTITY REVISIONS	CEM
NO.	DATE	REVISION	APPROV

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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US 190

SUMMARY OF QUANTITIES

SHEET 42 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	90
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

SUMMARY OF EROSION CONTROL QUANTITIES

LOCATION	161 6017	162 6002	164 6033	164 6041	164 6043	166 6001	168 6001	169 6001	506 6002	506 6011	506 6020	506 6024	506 6038
	COMPOST MANUF TOPSOIL (4")	BLOCK SODDING	DRILL SEEDING (PERM) (RURAL) (SANDY)	DRILL SEEDING (TEMP) (WARM)	DRILL SEEDING (TEMP) (COOL)	FERTILIZER ①	VEGETATIVE WATERING	SOIL RETENTION BLANKETS (CL 1) (TY A)	ROCK FILTER DAMS (INSTALL) (TY 2) ②	ROCK FILTER DAMS (REMOVE)	CONSTRUCTION EXITS (INSTALL) (TY 1)	CONSTRUCTION EXITS (REMOVE) ③	TEMP SEDMT CONT FENCE (INSTALL) ③
	SY	SY	SY	SY	SY	AC	MG	SY	LF	LF	SY	SY	LF
Phase I	165,462	289	165,462	82,731	82,731	35	8,273	8,040	2,803	2,803	300	300	9,125
Phase II	271,453	177	271,453	135,727	135,727	57	13,585	604	2,187	2,187	300	300	4,199
CSJ 0117-03-024 TOTAL	436,915	466	436,915	218,458	218,458	92	21,858	8,644	4,990	4,990	600	600	13,324
Phase I	412763	447	412763	206382	206,382	86	21562	412763	2000	2,000	300	300	3400
Phase II	20157		20157	10079	10,079	5	1009	20157	20	20	300	300	
Phase III	9478		9478	4739	4,739	2	476	9478	40	40	300	300	
Phase IV	19431		19431	9716	9,716	5	972	19431	60	60			
CSJ 0117-10-001 TOTAL	461829	447	461829	230915	230915	98	24019	461829	2120	2120	900	900	3400
Phase I	276,100	595	276,100	138,050	138,050	57	15,268	4,544	4,600	4,600	1100	1100	5,825
Phase II	188,332	246	188,332	94,166	94,166	39	9,426	3,093	1,300	1,300	1100	1100	995
Phase III	387,912	194	387,912	193,956	193,956	81	19,413	6,565	2,300	2,300	1100	1100	764
CSJ 0117-04-031 TOTAL	852,344	1,035	852,344	426,172	426,172	177	44,107	14,202	8,200	8,200	3,300	3,300	7,584
Phase I	1435		1435			1	36						
Phase II													
Phase III													
Phase IV	7813		7813	3907	3,907	2	196						1105
CSJ 0639-02-028 TOTAL	9248		9248	3906.5	3906.5	3	232						1105
PROJECT TOTALS	1,760,336	1,948	1,760,336	879,451	879,451	370	90,216	484,675	15,310	15,310	4,800	4,800	25,413

LOCATION	506 6039	506 6042	506 6043
	TEMP SEDMT CONT FENCE (REMOVE)	BIODEG EROSN CONT LOGS (INSTL) (18")	BIODEG EROSN CONT LOGS (REMOVE)
	LF	LF	LF
Phase I	9,125	9607	9,607
Phase II	4,199	3,958	3958
CSJ 0117-03-024 TOTAL	13,324	13,565	13,565
Phase I	3400	8559	8,559
Phase II		92	92
Phase III			
Phase IV			
CSJ 0117-10-001 TOTAL	3400	8651	8,651
Phase I	5,825	2,386	2,386
Phase II	995	-	-
Phase III	764	50	50
CSJ 0117-04-031 TOTAL	7,584	2,436	2,436
Phase I			
Phase II			
Phase III			
Phase IV	1105		
CSJ 0639-02-028 TOTAL	1105		
PROJECT TOTALS	25,413	24,652	24,652

- ① FOR CONTRACTOR'S INFORMATION ONLY
- ② QUANTITY TO BE USED AS TEMPORARY RIPRAP DURING PHASE 1. THIS TEMPORARY RIPRAP QUANTITY SHALL INCLUDE THE PLACEMENT AND REMOVAL OF THE TEMPORARY RIPRAP AND ALL COSTS ASSOCIATED WITH SHALL BE SUBSIDIARY TO ITEM 432 "RIPRAP (STONE PROTECTION) (12 IN)".
- ③ EXACT LIMITS AND LOCATIONS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.

2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

US 190

SUMMARY OF QUANTITIES

SHEET 43 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		91
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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SUMMARY OF DRIVEWAY QUANTITIES (CONT.)

DRIVEWAY NAME	DRIVE (STA.)	LT/RT	"R"	"W"	LENGTH	LENGTH 1	SLOPE 1	LENGTH 2	SLOPE 2	ITEM 530 6005	PROPOSED DRIVEWAY CULVERTS						ITEM 464			ITEM 467									
											DRIVEWAYS	BEGIN			END			RC PIPE (CL III)			RC PIPE (ARCH) (CL III)	SET (TY	SET (TY	SET (TY	SET (TY				
												STATION	OFFSET	ELEV	STATION	OFFSET	ELEV	(18 IN)	(24 IN)	(30 IN)		(18 IN)	(24 IN)	(30 IN)	(DES 1)	(TY	(TY	(TY	(TY
																		(LF)	(LF)	(LF)		(P)	(P)	(P)	(P)	(DES 1)	(TY	(TY	(TY
DW-141	2674+46.35	LT	15	14	27	33	1.0			53	2674+22.86	103.44	272.14	2674+69.83	101.68	271.90	54			4	4								
DW-142	2677+32.74	RT	25	24	57	15	5.0	40	9.0	186	2676+91.65	110.13	266.40	2677+55.46	105.31	267.84		38			2								
DW-143	2681+92.16	LT	15	20	29	29	3.0			76	2681+65.60	102.67	277.67	2682+18.60	103.10	278.67	33				2								
DW-144	2683+88.40	RT	25	24	47	15	1.0	30	3.0	159	2683+49.61	95.56	281.01	2684+14.61	95.62	282.36		39				2							
DW-145	2685+21.15	RT	30	42	45	15	1.0	30	5.0	253	2684+81.70	93.99	283.68	2685+60.61	90.21	285.45	59				2								
DW-146	2688+28.63	RT	15	14	47	45	2.0			85																			
DW-147	2691+80.08	LT	15	18	29	29	5.0			69	2691+54.58	103.74	284.75	2692+05.57	104.92	284.30	31				2								
DW-148	2697+18.55	LT	15	14	29	29	2.0			56	2696+95.09	99.85	282.72	2697+42.02	102.50	282.33	54				4								
DW-149	2701+43.62	LT	15	24	28	28	5.0			87	2701+17.63	106.65	282.47	2701+69.62	105.93	282.61								2					
DW-150	2702+48.67	RT	25	24	45	45	4.0			150																			
DW-151	2702+83.18	LT	25	36	28	28	5.0			144	2702+47.04	103.85	283.22	2703+19.87	108.88	284.02	53				2								
DW-152	2706+08.38	LT	15	14	28	28	4.0			55	2705+84.87	101.40	285.72	2706+31.87	101.69	285.58	27				2								
DW-153	2706+43.43	RT	25	24	45	15	5.0	30	8.0	150	2706+14.94	106.44	284.92	2706+71.92	108.03	284.68	37				2								
DW-154	2707+23.73	RT	25	24	46	15	5.0	30	9.0	159	2706+82.34	108.18	284.63	2707+46.33	109.28	284.37		38				2							
DW-155	2708+49.94	LT	15	14	28	15	5.0	13	6.0	55	2708+26.44	104.71	284.95	2708+73.45	104.99	284.80	27				2								
DW-156	2714+34.54	LT	15	14	28	53	3.0			94	2714+07.97	114.63	279.64	2714+60.91	117.13	278.54		27				2							
DW-157	2717+71.52	LT	25	24	50	50	3.0			163																			
DW-158	2718+17.92	RT	25	24	87	15	5.0	72	6.0	262	2717+89.75	127.04	272.49	2718+46.10	122.92	272.68	37				2								
DW-159	2720+80.89	LT	25	24	48	48	1.0			158	2720+51.99	104.57	275.90	2721+10.39	102.84	275.82	38				2								
DW-160	2725+02.27	RT	25	24	41	40	3.0			145																			
DW-161	2727+99.54	LT	25	24	39	39	3.0			134	2727+65.05	98.26	274.16	2728+34.04	98.61	273.82			74					4					
DW-162	2728+71.39	RT	25	24	41	40	5.0			145	2728+31.46	101.47	273.36	2728+95.45	102.29	273.12		38				2							
DW-163	2729+96.68	LT	15	14	75	75	2.0			128	2729+62.20	101.74	273.11	2730+31.13	104.97	272.73			74					4					
DW-164	2731+96.38	LT	25	24	75	15	1.0	60	4.0	230	2731+61.94	112.53	272.00	2732+30.83	116.47	271.62			74					4					
DW-165	2737+29.68	RT	15	14	27	15	2.0	12	11.0	54																			
DW-166	2739+50.39	RT	25	16	29	15	2.0	14	12.0	82	2739+17.86	90.72	267.99	2739+82.54	93.94	266.05	43				2								
DW-167	2740+36.64	RT	25	16	29	15	1.0	14	4.0	82	2740+07.91	96.16	265.28	2740+65.05	99.57	263.59	36				2								
DW-168	2770+22.31	LT	25	24	60	15	5.0	45	23.0	190																			
DW-169	2784+62.04	RT	15	14	29	15		20	19.0	66	2784+46.46	89.81	232.75	2784+91.40	86.39	233.08	27				2								
DW-170	2796+94.37	LT	25	24	60	120	5.0			354	2796+76.47	75.20	237.66	2797+33.45	76.78	237.78	37				2								
DW-171	2803+47.58	LT	25	24	47	15	1.0	63	3.0	239																			
DW-172	2805+13.49	LT	25	24	50	78				240	2804+86.41	40.38	250.95	2805+54.50	40.43	250.39	48				2								
DW-173	2806+68.94	RT	15	14	28	15	4.0	14	9.0	56	2806+38.80	46.14	250.78	2806+98.54	45.2	250.11	40				2								
TOTAL CSJ 0117-04-031											14,237							2,583	773	344	290	154	40	20	20				
											FM 39																		
											CSJ 0639-02-028																		
FM 39																													
DW-174	121+56.21	RT	15	14	29					58																			
DW-175	122+82.48	RT	15	14	32					55																			
TOTAL CSJ 0639-02-028											113																		

2

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2	10/25/24	QUANTITY REVISIONS	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/21/2024

3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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 Texas Department of Transportation

US 190

SUMMARY OF DRIVEWAYS

SHEET 3 OF 3

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	94
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
HIGHWAY		
US 190, ETC.		

SUMMARY OF MAILBOX TURNOUTS & INSTALLATIONS

STATION	RT/LT	OFFSET*	NUMBER OF MAILBOXES	ITEM 560 MAILBOX INSTALL				NEWSPAPER BOX ON MOUNT
				ITEM 530	6007	6008	6013	
				6009 TURNOUTS (SURF TREAT) TYPE I SY	MAILBOX INSTALL-S EA	MAILBOX INSTALL-D EA	MAILBOX INSTALL-M EA	
CSJ 0117-03-024								
1936+40.00	RT	73'	3				1	
1982+08.00	RT	73'	1		1			
1985+51.00	RT	73'	1		1			
1988+08.00	RT	73'	1		1			
1991+57.00	RT	73'	2			1		
2009+55.00	RT	73'	1		1			
2020+90.00	RT	73'	1		1			
2023+57.00	RT	73'	1		1			
2066+37.00	RT	73'	1		1			
2070+94.00	RT	73'	1		1			
2082+00.00	RT	73'	1		1			
2101+31.00	LT	91'	1		1			
2108+01.00	LT	75'	1		1			
2109+74.00	LT	77'	1		1			
2118+17.00	LT	85'	1		1			
TOTAL			18		13	1	1	
CSJ 0117-04-031								
2320+24.00	LT	73'	1		1		1	
2332+36.00	RT	86'	1		1		1	
2374+40.00	RT	88'	2			1	1	
2399+72.00	LT	73'	1		1			
2432+36.00	RT	79'	1		1			
2444+89.00	RT	73'	1		1		1	
2447+90.00	RT	73'	3					
2460+15.00	LT	79'	2	17		1		
2467+06.00	LT	73'	1		1			
2471+07.00	LT	75'	1		1			
2474+20.00	RT	80'	1		1			
2475+51.00	RT	82'	1		1			
2483+20.00	LT	73'	1				1	
2483+84.00	RT	85'	2				1	
2494+13.00	LT	73'	1		1			
2496+47.00	LT	73'	2			1	1	
2506+55.00	LT	73'	2		1		2	
2511+55.00	LT	73'	1		1			
2516+10.00	LT	73'	1		1			
2526+88.00	LT	73'	1		1			
2527+50.00	RT	93'	1		1			
2537+18.00	RT	89'	3				1	
2544+40.00	RT	83'	1		1			
2553+43.00	RT	82'	1		1			
2554+30.00	RT	82'	1		1			
2556+96.00	LT	73'	1		1			
2579+74.00	RT	84'	1		1			
2581+44.00	RT	82'	1		1			
2645+00.00	LT	85'	1		1			
2654+47.00	LT	95'	1		1			
2667+42.00	LT	84'	1		1			
2669+53.00	LT	84'	1		1			
2674+23.00	LT	84'	1		1			
2684+95.00	LT	84'	3				1	
2685+10.00	LT	84'	2		1			
2686+00.00	RT	73'	1		1			
2688+50.00	RT	73'	1		1			
2703+25.00	LT	85'	1		1			
2708+25.00	LT	85'	2			1		
2714+00.00	LT	85'	1		1			
2729+03.00	RT	73'	1		1			
2729+75.00	LT	73'	1		1			
2740+85.00	RT	84'	1		1			
2804+18.00	LT	27'	1		1			
TOTAL			93	17	60	7	9	
CSJ 0639-02-028								
122+63.00	RT	18'	2		2			
128+20.00	RT	18'	1		1			
134+77.00	RT	18'	1		1			
156+85.00	RT	18'	1		1			
TOTAL			5		5			
CSJ 0117-03-035								
2118+17.00	RT	21	1		1			
TOTAL			1		1			

*CONFIRM WITH MAILBOX STANDARDS. CONTRACTOR TO VERIFY FINAL PLACEMENT.

2

2	10/25/24	UPDATED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

STEPHEN A. JOHNSON
103591
6/20/2024

3755 S. Capital of Texas Highway
Suite 325
Austin, TX 78704
(512) 485-0009
TBPELS Firm 5713

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Texas Department of Transportation

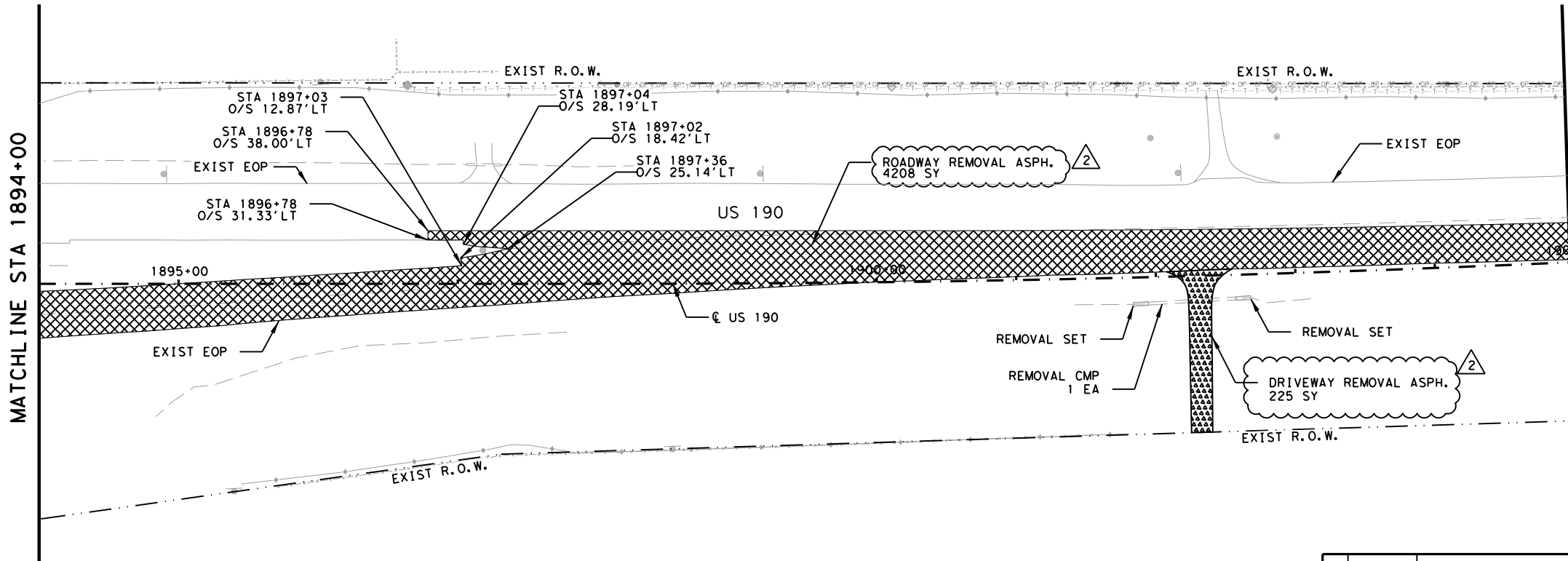
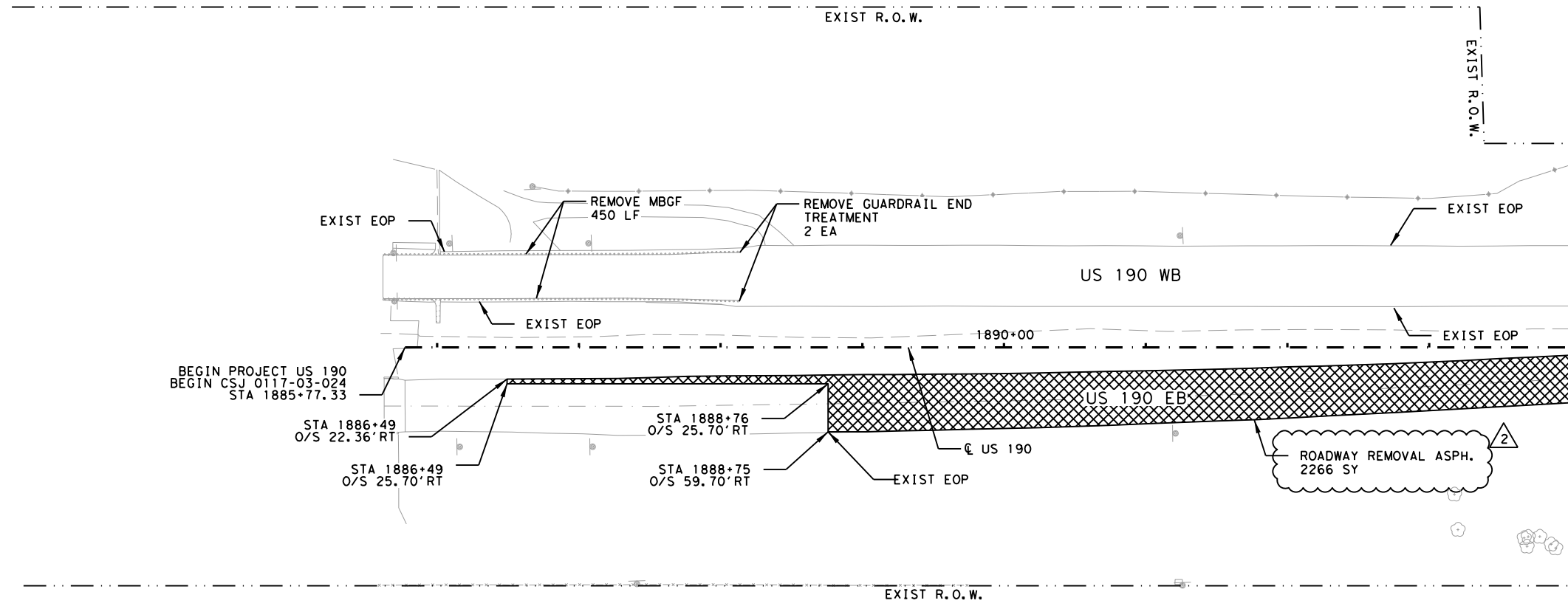
US 190

SUMMARY OF MAILBOXES

SHEET 1 OF 1			
FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	96	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

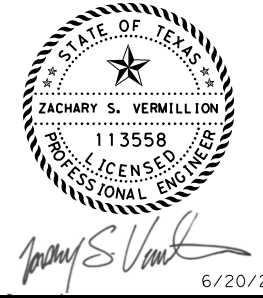
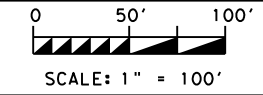
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - [Cross-hatched] ROADWAY REMOVAL CONC./ASPH.
 - [Dotted] DRIVEWAY REMOVAL

NOTES:
 FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.



LJA Program Management, LLC
 FRN - F-14256



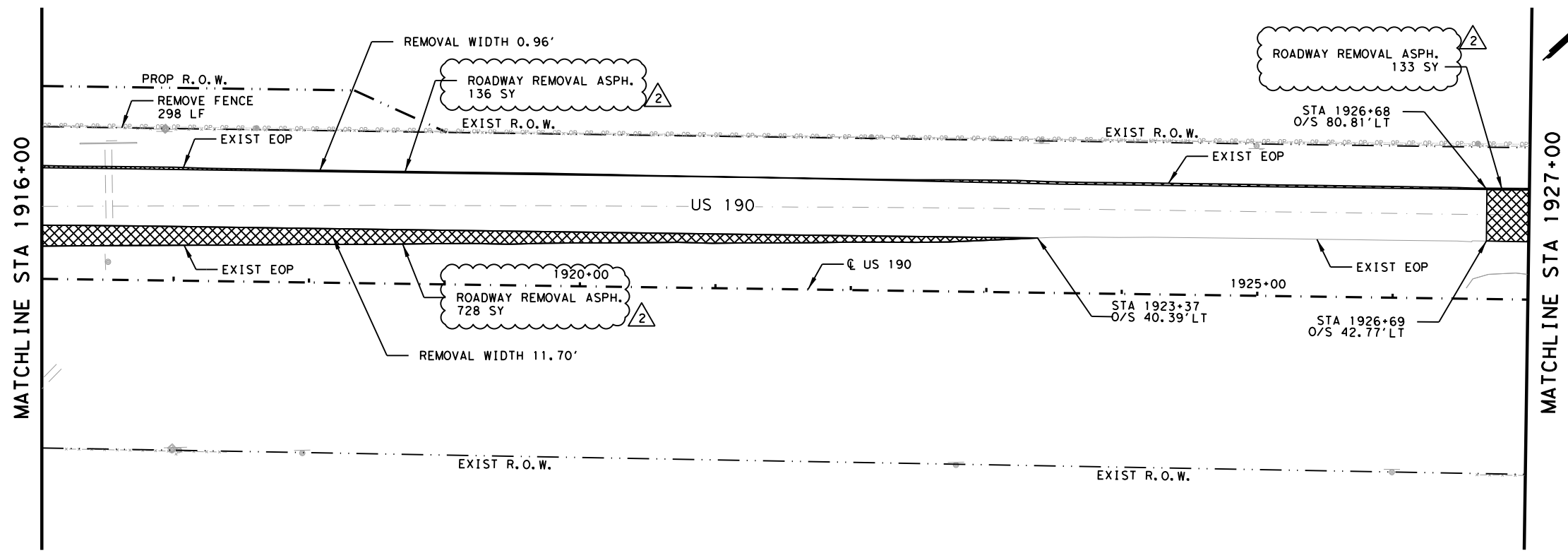
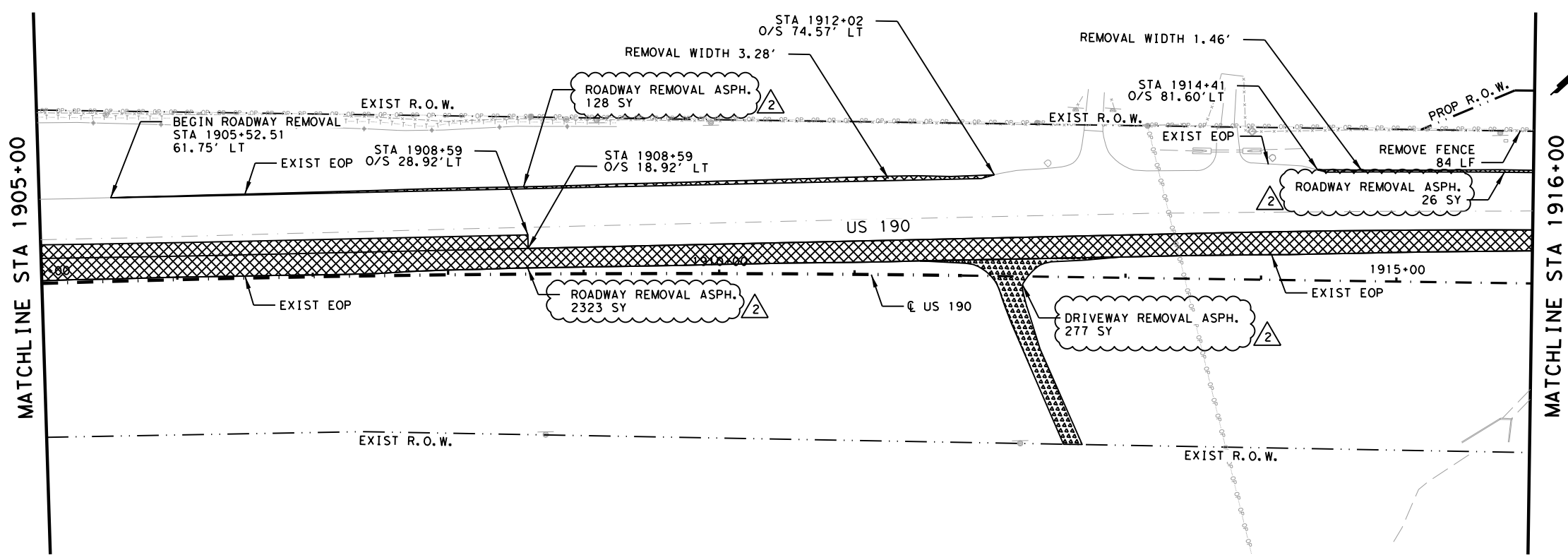
US 190
REMOVAL LAYOUT
 BEGIN TO STA 1905+00

SHEET 1 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	561
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

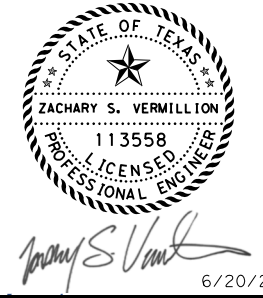
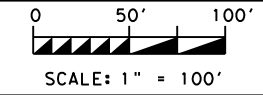
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - [Cross-hatched box] ROADWAY REMOVAL CONC./ASPH.
 - [Dotted box] DRIVEWAY REMOVAL

NOTES:
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LJA Program Management, LLC
 FRN - F-14256



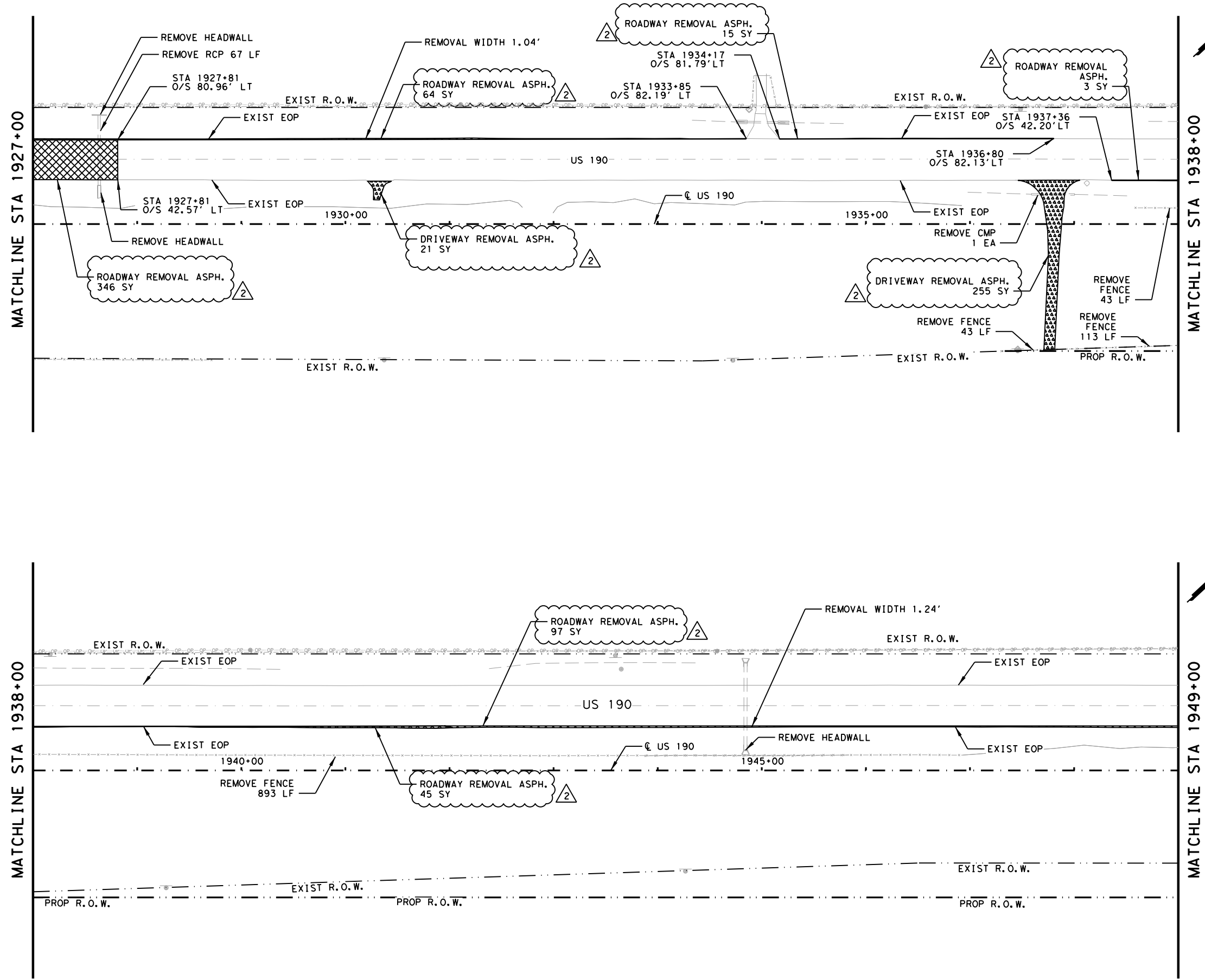
US 190
REMOVAL LAYOUT
 STA 1905+00 TO STA 1927+00

SHEET 2 OF 45

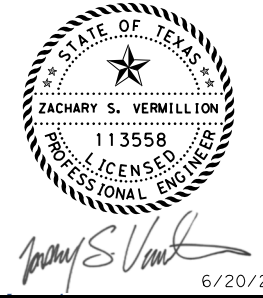
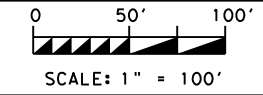
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6	SEE TITLE SHEET	562
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - [Cross-hatched box] ROADWAY REMOVAL CONC./ASPH.
 - [Dotted box] DRIVEWAY REMOVAL
- NOTES:**
 FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.



LJA Program Management, LLC
 FRN - F-14256



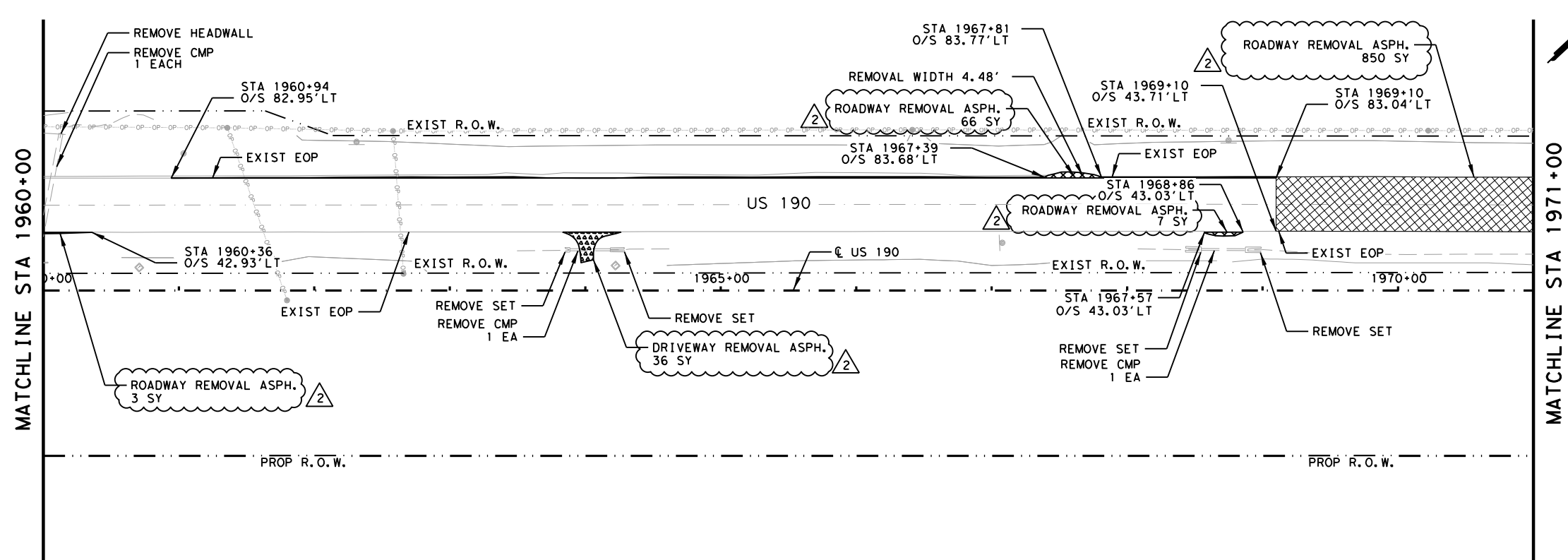
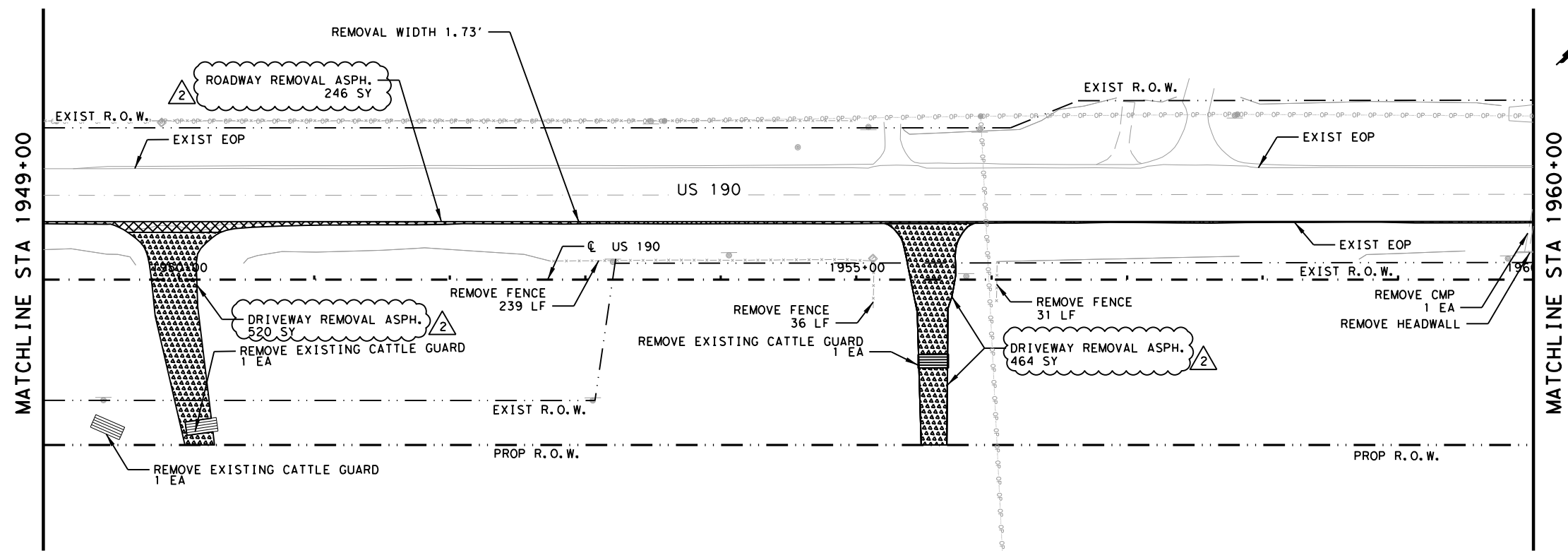
US 190
REMOVAL LAYOUT
 STA 1927+00 TO STA 1949+00

SHEET 3 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	563
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

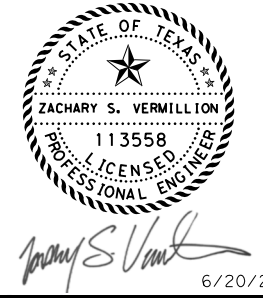
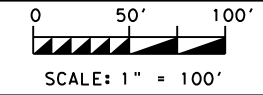
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - [Cross-hatched box] ROADWAY REMOVAL CONC./ASPH.
 - [Dotted box] DRIVEWAY REMOVAL

NOTES:
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LJA Program Management, LLC
 FRN - F-14256



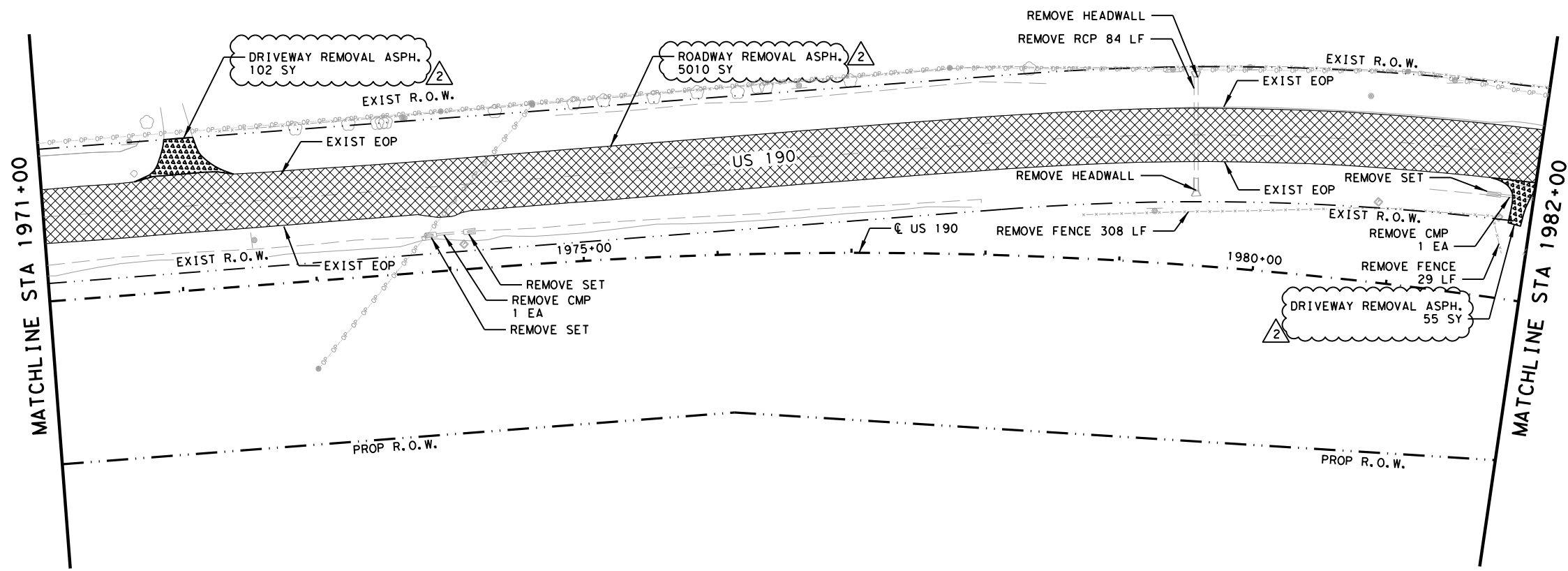
US 190
REMOVAL LAYOUT
 STA 1949+00 TO STA 1971+00

SHEET 4 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	564
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

NO.	DATE	REVISION	APPROV
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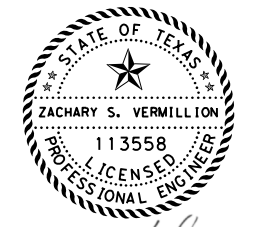
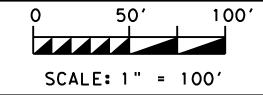
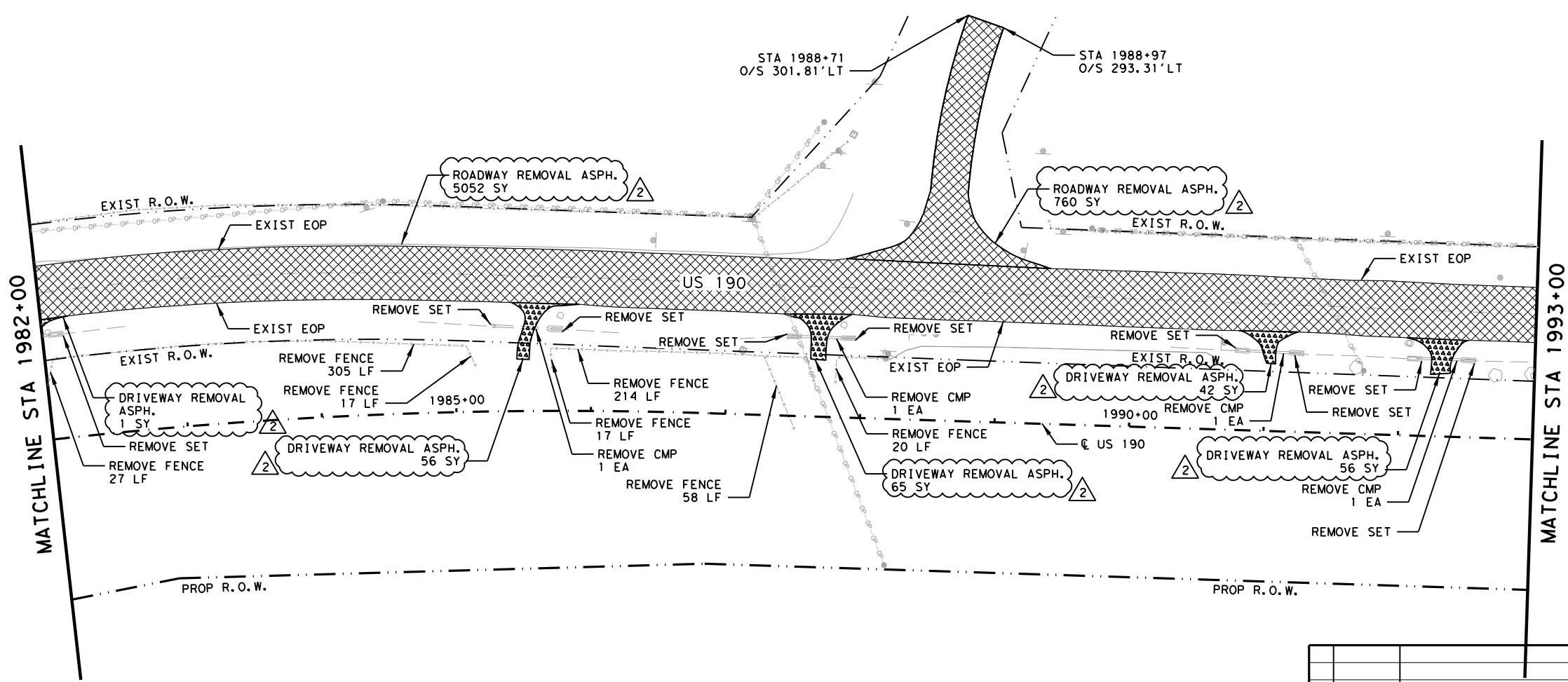


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatched box] ROADWAY REMOVAL CONC./ASPH.
- [Dotted box] DRIVEWAY REMOVAL

NOTES:

FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPARATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.



Zachary S. Vermillion
 6/20/2024

LJA Program Management, LLC
 FRN - F-14256



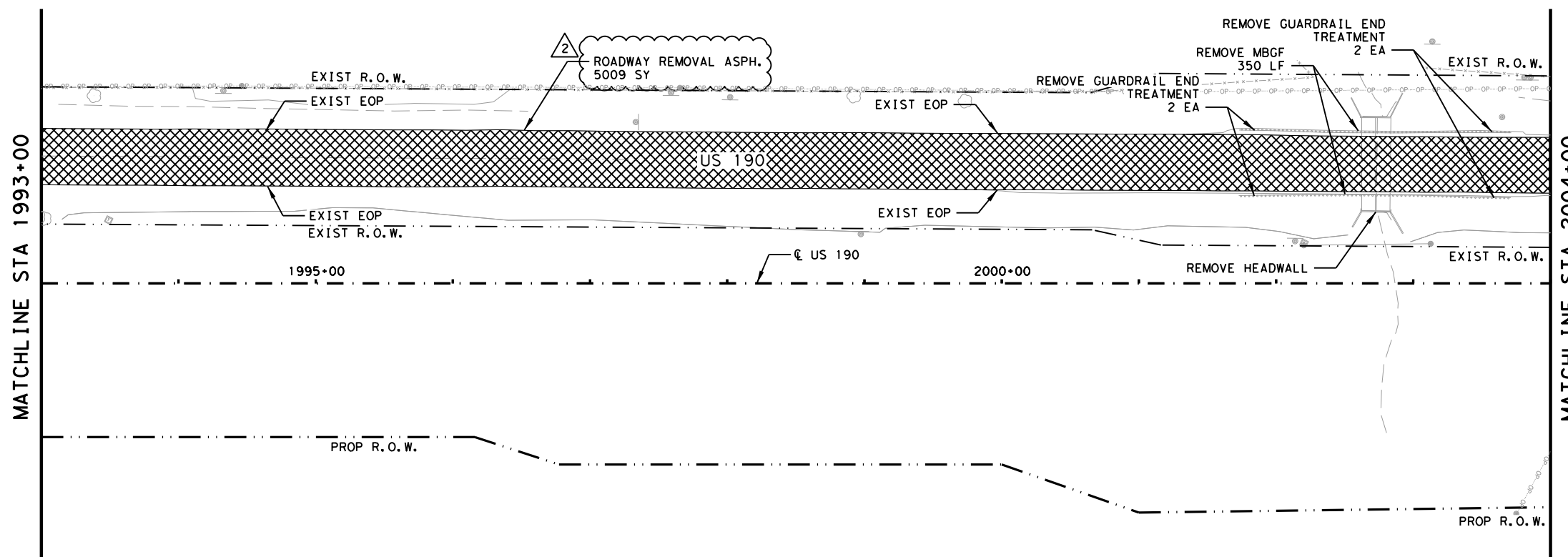
US 190
REMOVAL LAYOUT
 STA 1971+00 TO STA 1993+00

SHEET 5 OF 45

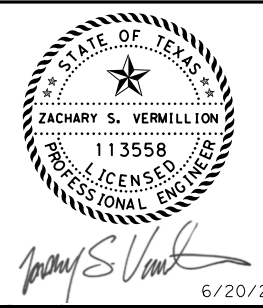
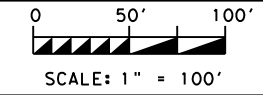
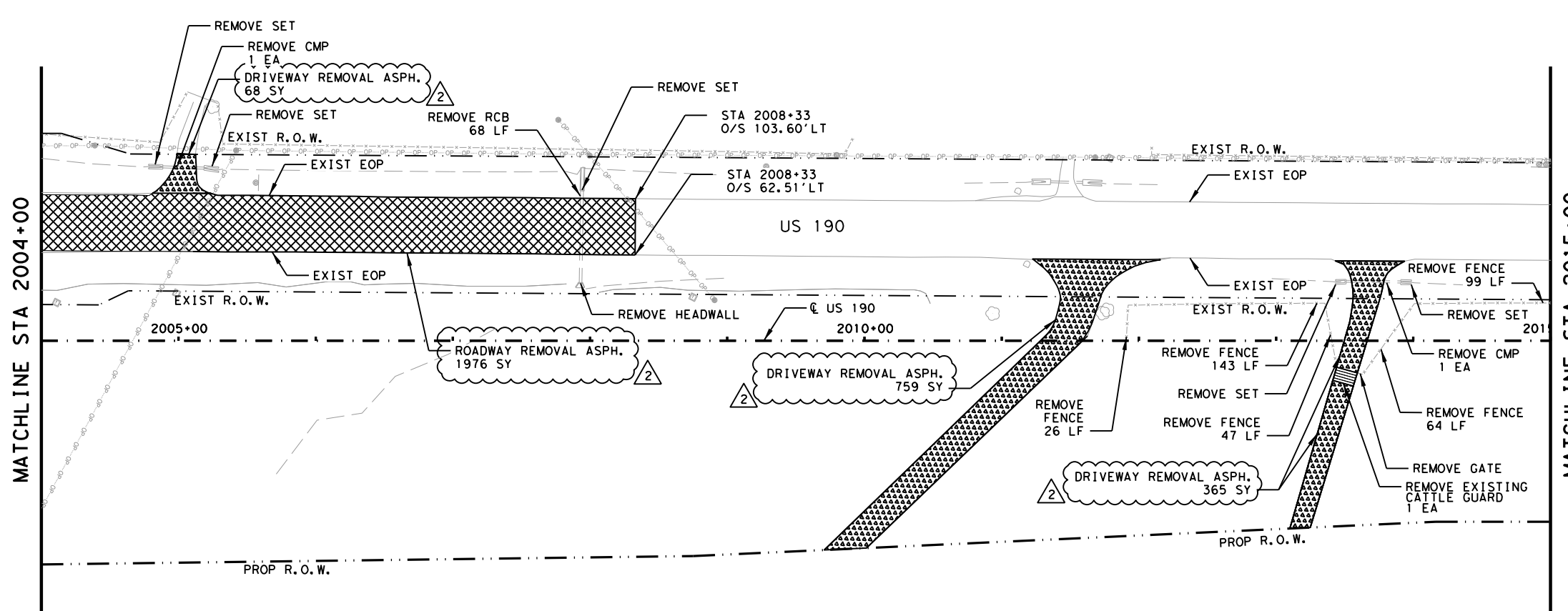
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6	SEE TITLE SHEET	565
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - [Cross-hatched] ROADWAY REMOVAL CONC./ASPH.
 - [Dotted] DRIVEWAY REMOVAL
- NOTES:**
 FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.



LJA Program Management, LLC
 FRN - F-14256



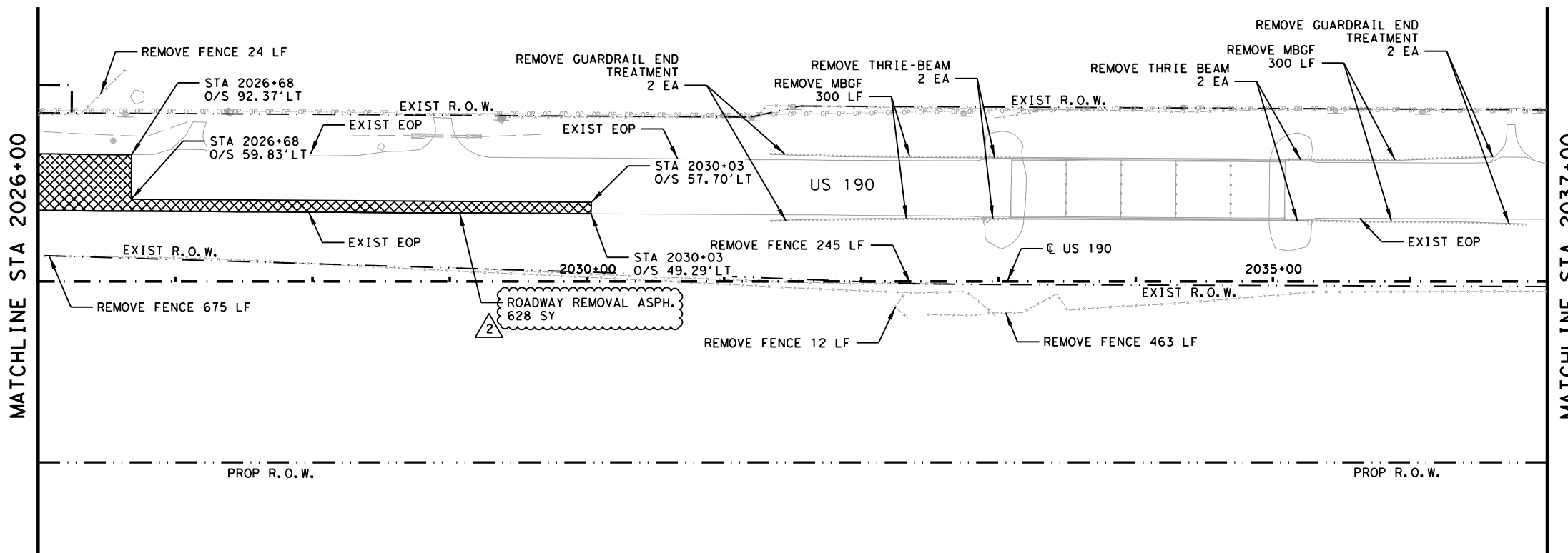
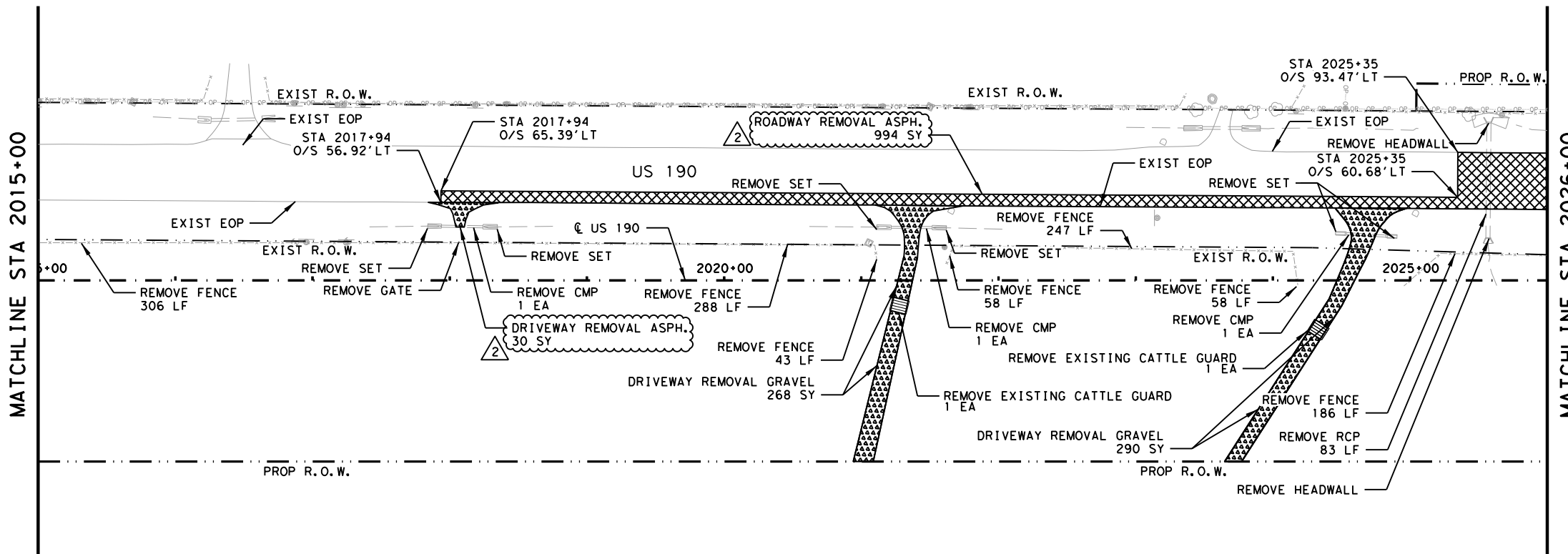
US 190
REMOVAL LAYOUT
 STA 1993+00 TO STA 2015+00

SHEET 6 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	566
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	CALLOUT REVISIONS	ZSV

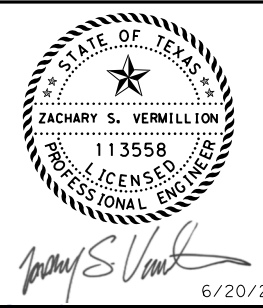
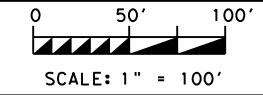
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - [Cross-hatched box] ROADWAY REMOVAL CONC./ASPH.
 - [Dotted box] DRIVEWAY REMOVAL

NOTES:
 FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.

2	10/25/24	REVISED CALLOUTS	ZSV
NO.	DATE	REVISION	APPROV



LJA Program Management, LLC
 FRN - F-14256

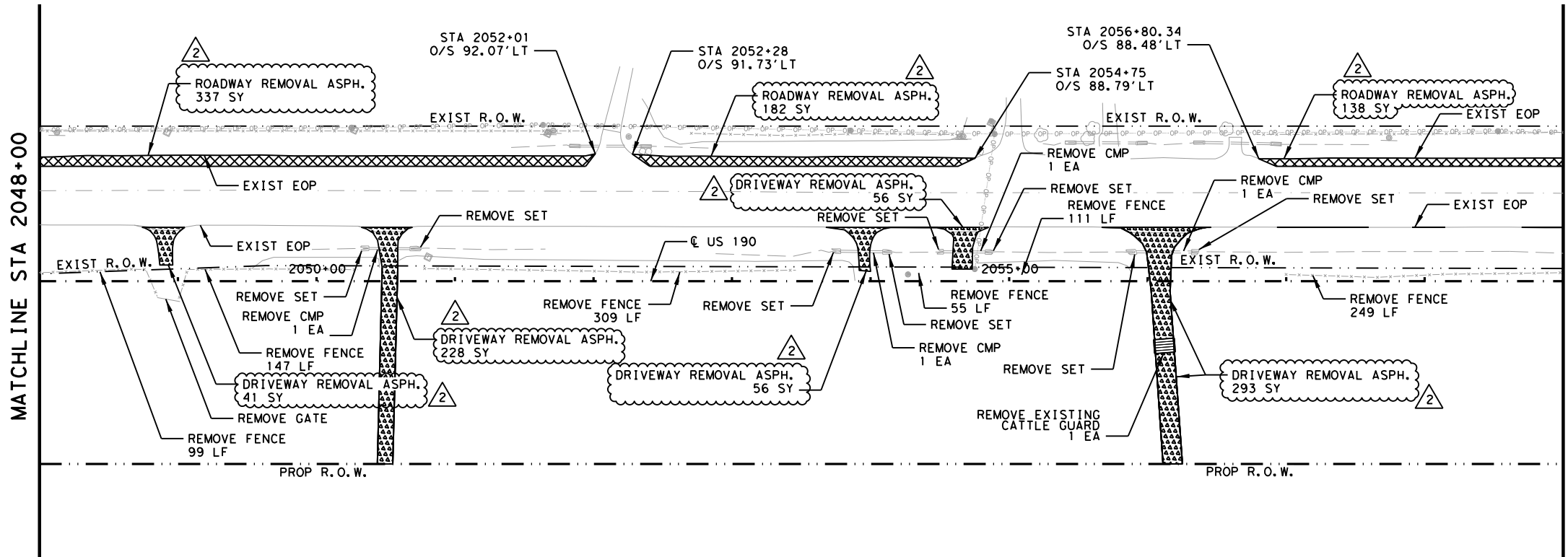
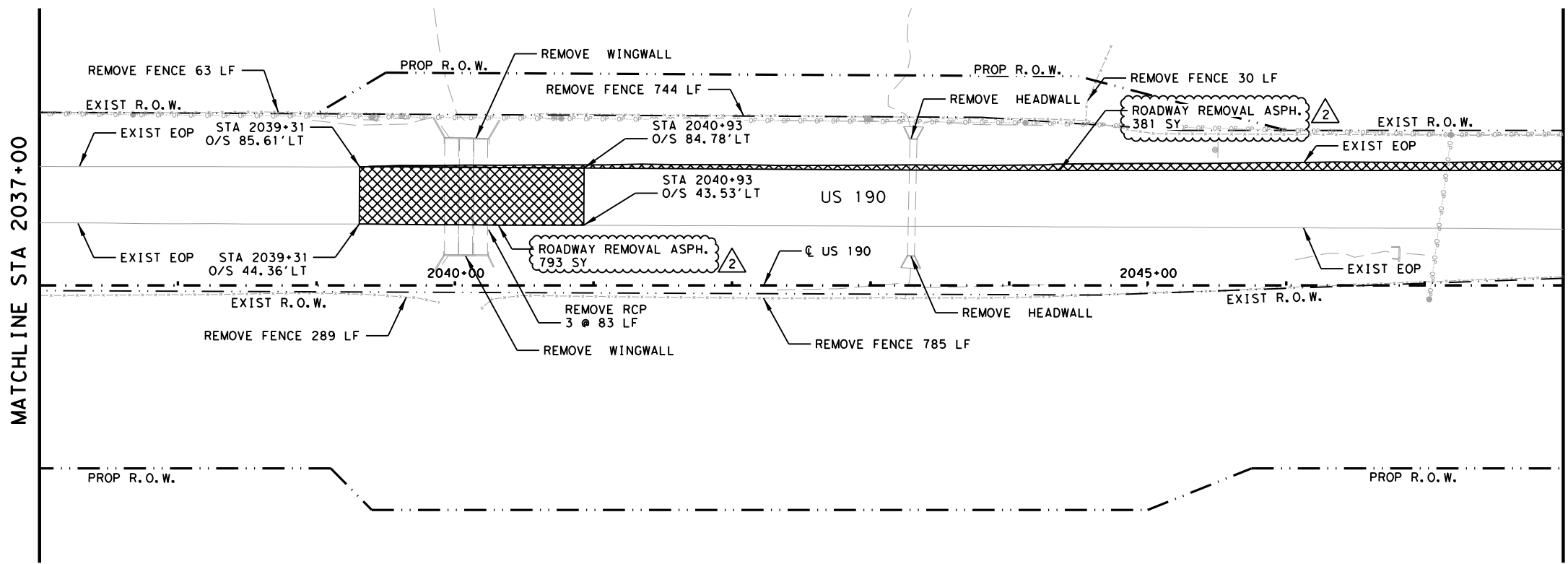


US 190
REMOVAL LAYOUT
 STA 2015+00 TO STA 2037+00

SHEET 7 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	567
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

DATE: 10/28/2024 11:13:03 AM
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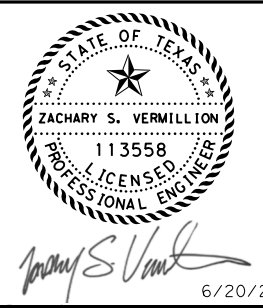


- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - ▨ ROADWAY REMOVAL CONC./ASPH.
 - ▩ DRIVEWAY REMOVAL

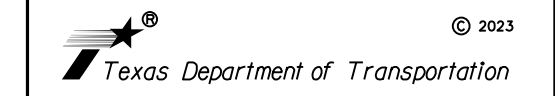
NOTES:
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2	10/25/24	REVISED CALLOUTS	ZSV
NO.	DATE	REVISION	APPROV

0 50' 100'
 SCALE: 1" = 100'



LJA Program Management, LLC
 FRN - F-14256

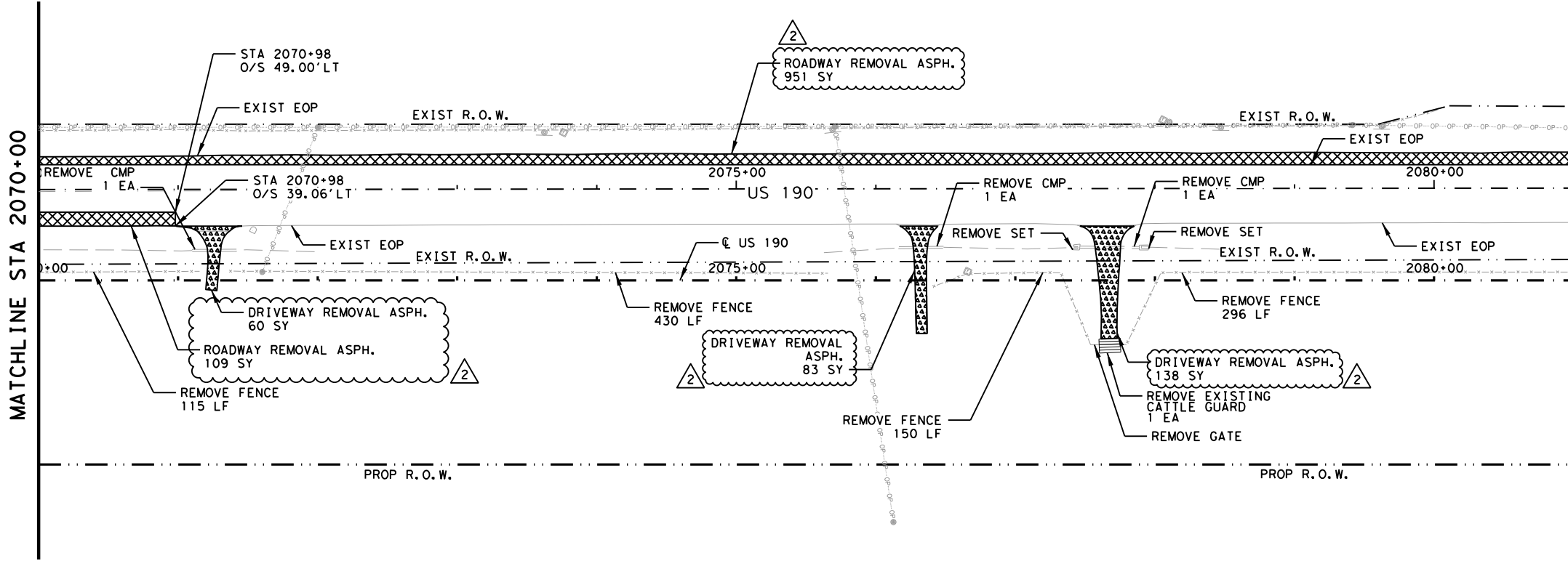
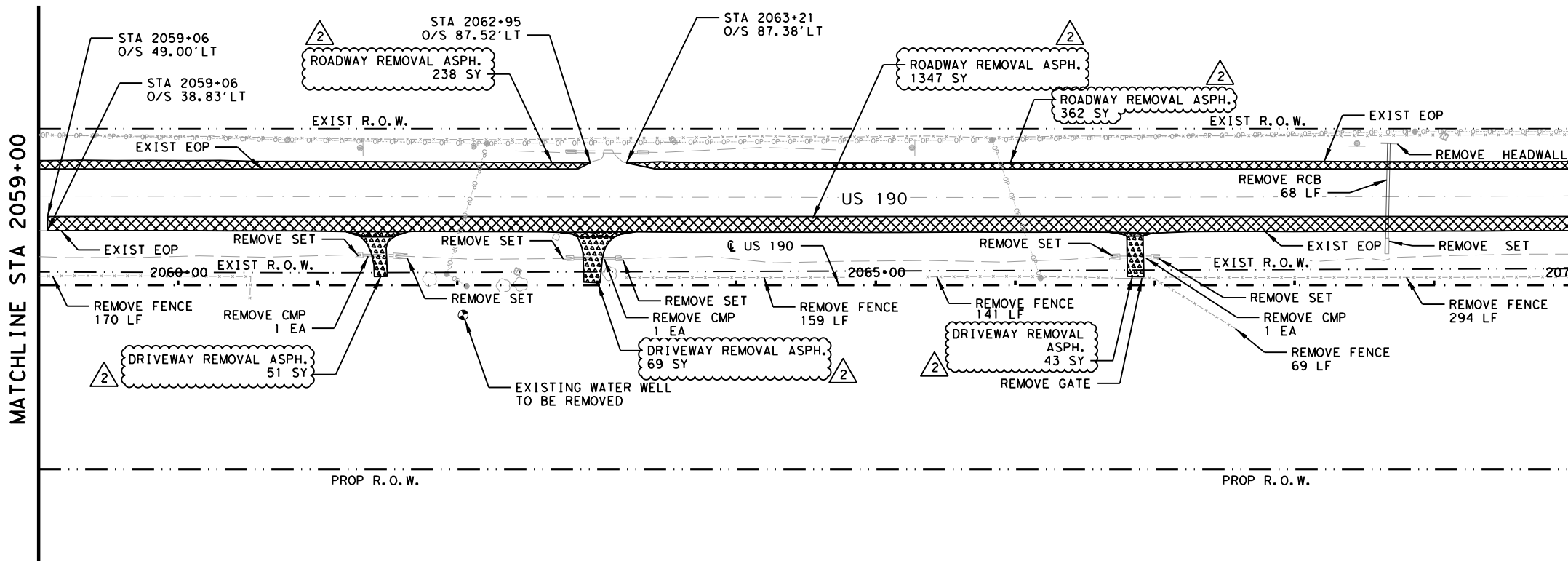


US 190
REMOVAL LAYOUT
 STA 2037+00 TO STA 2059+00

SHEET 8 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	568	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

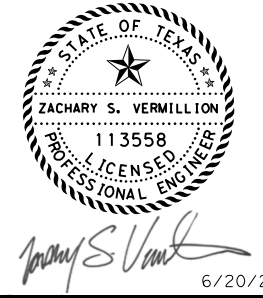
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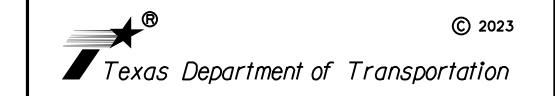
- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - ▨ ROADWAY REMOVAL CONC./ASPH.
 - ▩ DRIVEWAY REMOVAL
- NOTES:**
- FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.

2	10/25/24	REVISED CALLOUTS	ZSV
NO.	DATE	REVISION	APPROV

0 50' 100'
SCALE: 1" = 100'



LJA Program Management, LLC
 FRN - F-14256

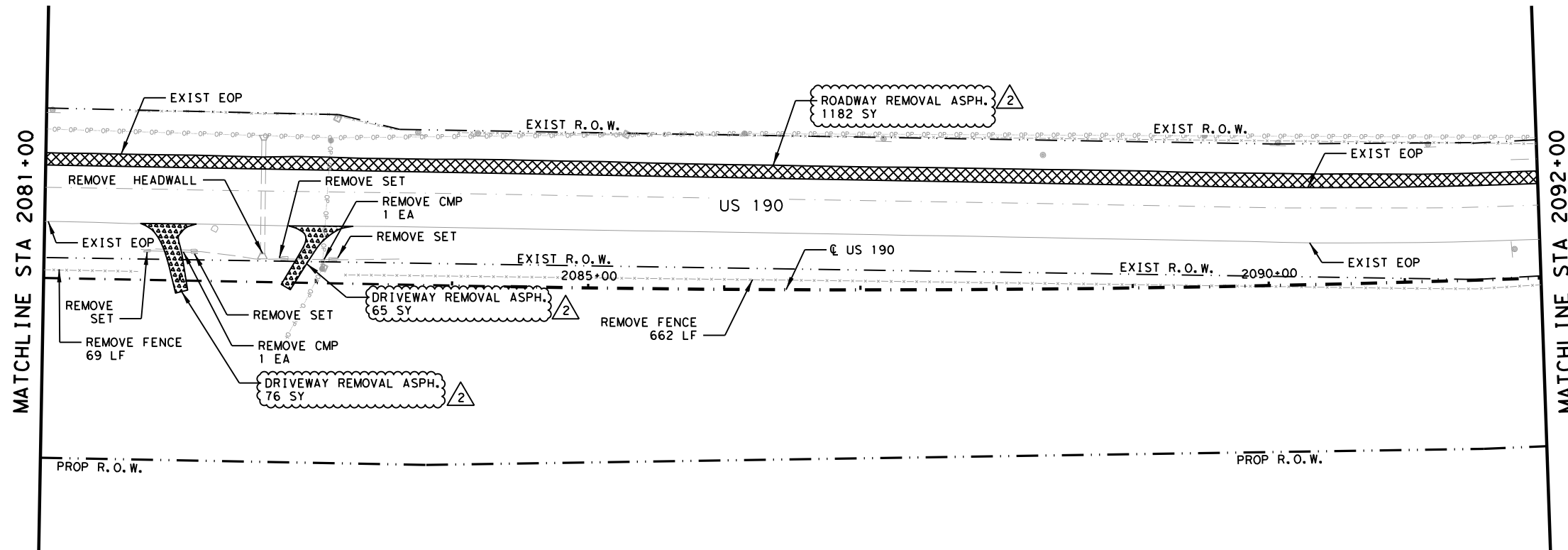


US 190
REMOVAL LAYOUT
 STA 2059+00 TO STA 2081+00

SHEET 9 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	569	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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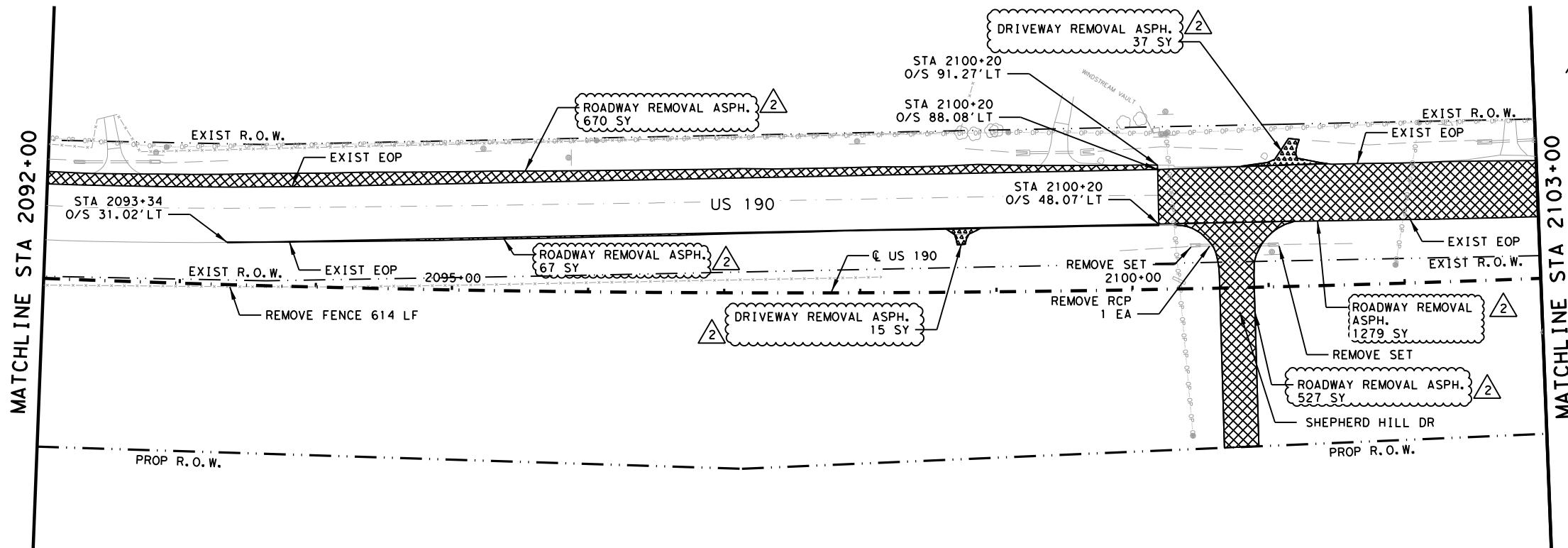


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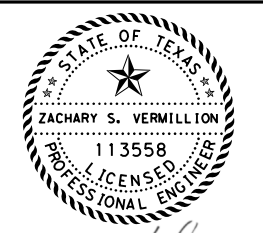
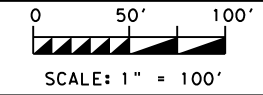
- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- ▨ ROADWAY REMOVAL CONC./ASPH.
- ▩ DRIVEWAY REMOVAL

NOTES:

FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.

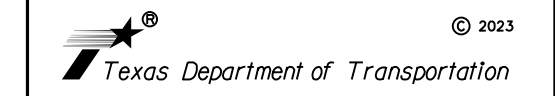


2	10/25/24	REVISED CALLOUTS	ZSV
NO.	DATE	REVISION	APPROV



Zachary S. Vermillion
 6/20/2024

LJA Program Management, LLC
 FRN - F-14256

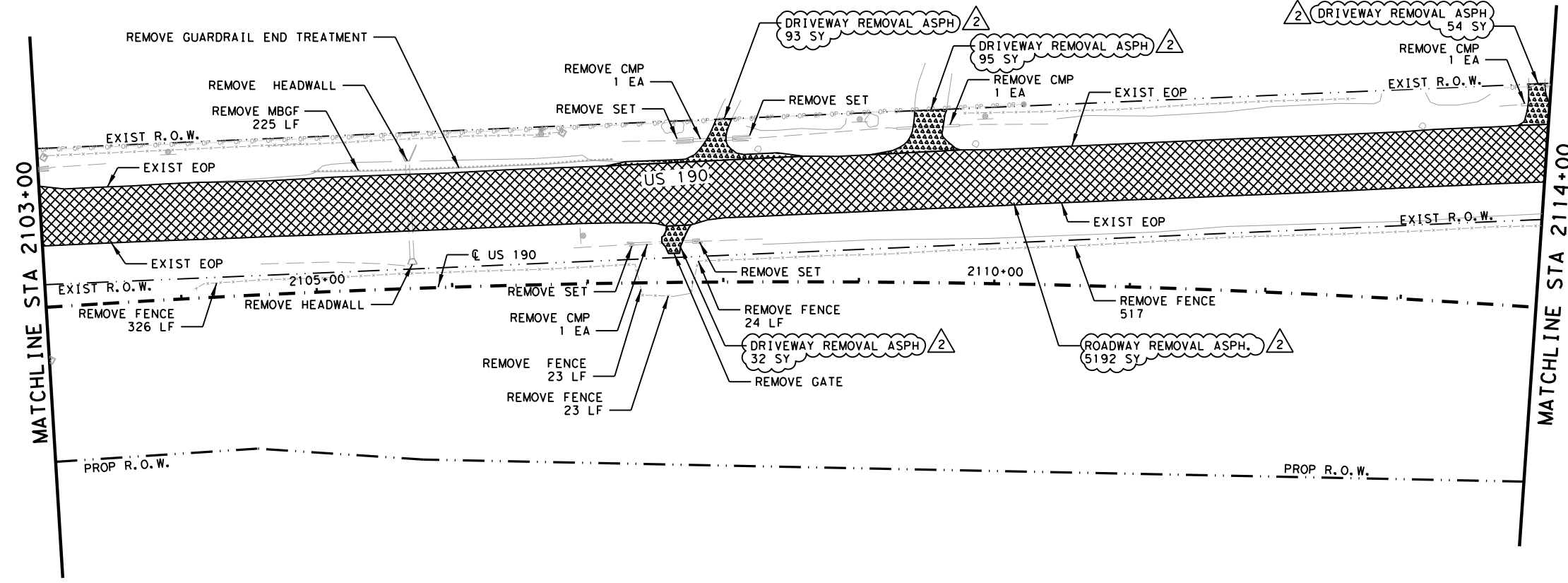


US 190
REMOVAL LAYOUT
 STA 2081+00 TO STA 2103+00

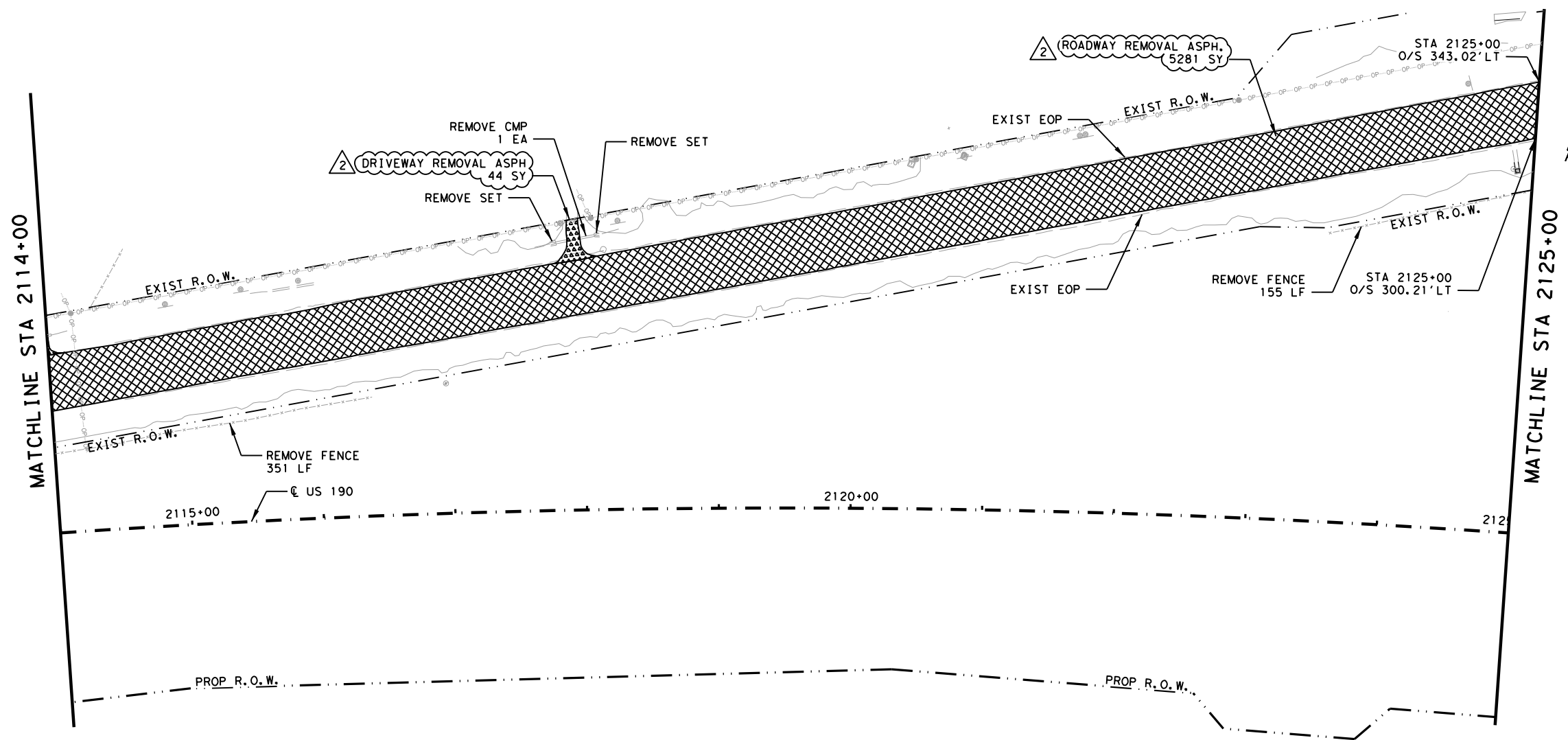
SHEET 10 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	570
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

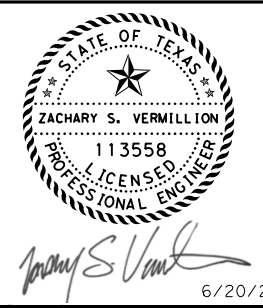
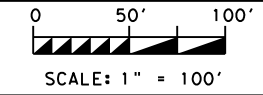
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - [Cross-hatched pattern] ROADWAY REMOVAL CONC./ASPH.
 - [Dotted pattern] DRIVEWAY REMOVAL
- NOTES:**
 FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.



2	10/25/24	CALL OUTS UPDATED	ZSV
NO.	DATE	REVISION	APPROV



LJA Program Management, LLC
 FRN - F-14256

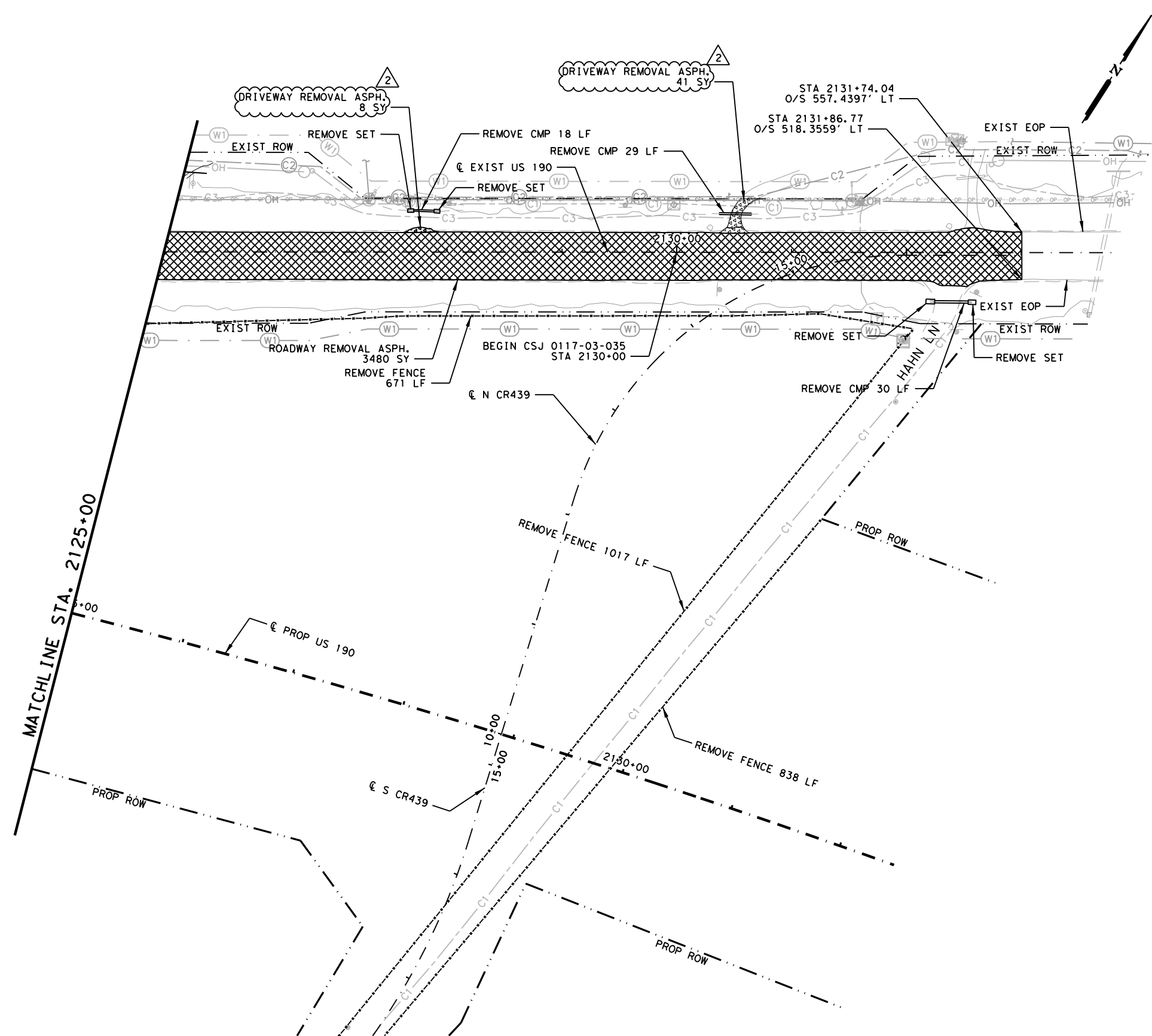


US 190
REMOVAL LAYOUT
 STA 2103+00 TO STA 2125+00

SHEET 11 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	571
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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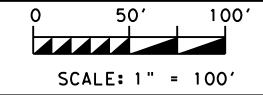


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- ROADWAY REMOVAL CONC./ASPH.
- DRIVEWAY REMOVAL
- GRASS/BRUSH REMOVAL
- REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	CALLOUT ADDED	SAJ
NO.	DATE	REVISION	APPROV



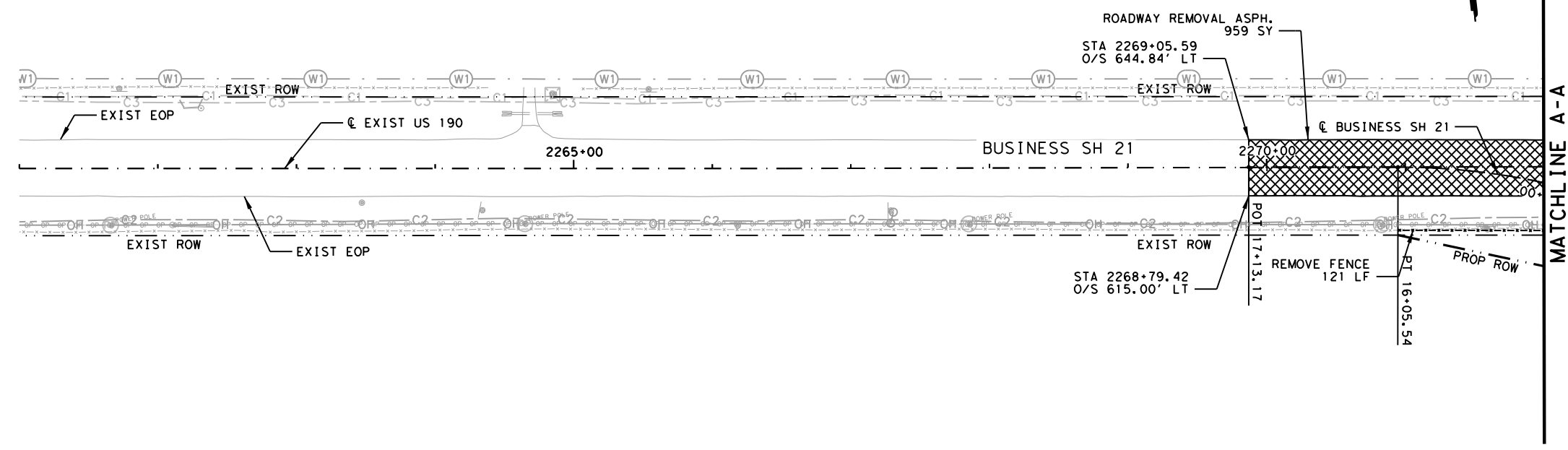
GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPE Firm 5713



US 190
 REMOVAL LAYOUT
 STA 2125+00 TO STA 2132+50
 SHEET 12 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		572
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

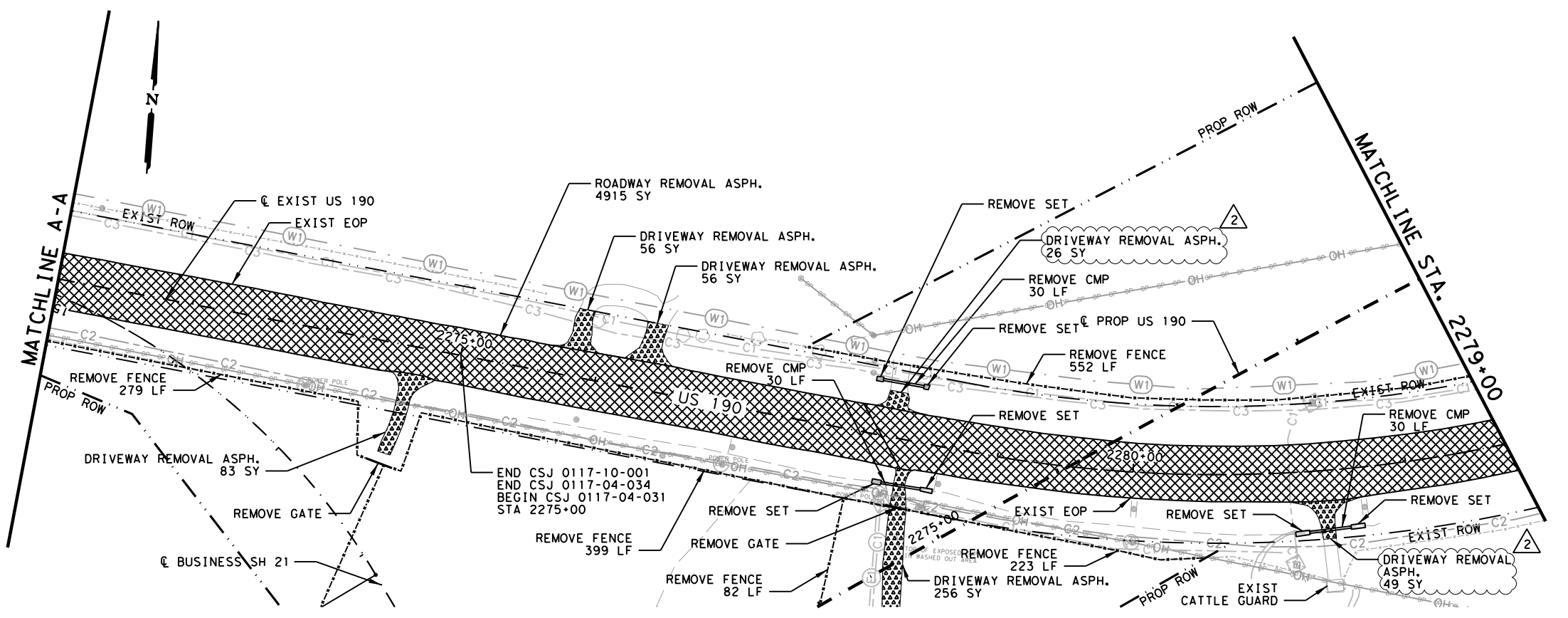
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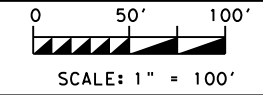
LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- · — · CENTERLINES AND CONTROL LINES
- - - - EXISTING ROW
- · - · - PROPOSED ROW
- ▨ ROADWAY REMOVAL CONC./ASPH.
- ▩ DRIVEWAY REMOVAL
- ▤ GRASS/BRUSH REMOVAL
- ▧ REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	CALLOUT REVISED	SAJ
NO.	DATE	REVISION	APPROV



STATE OF TEXAS
 ★
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
Stephen A. Johnson
 6/20/2024

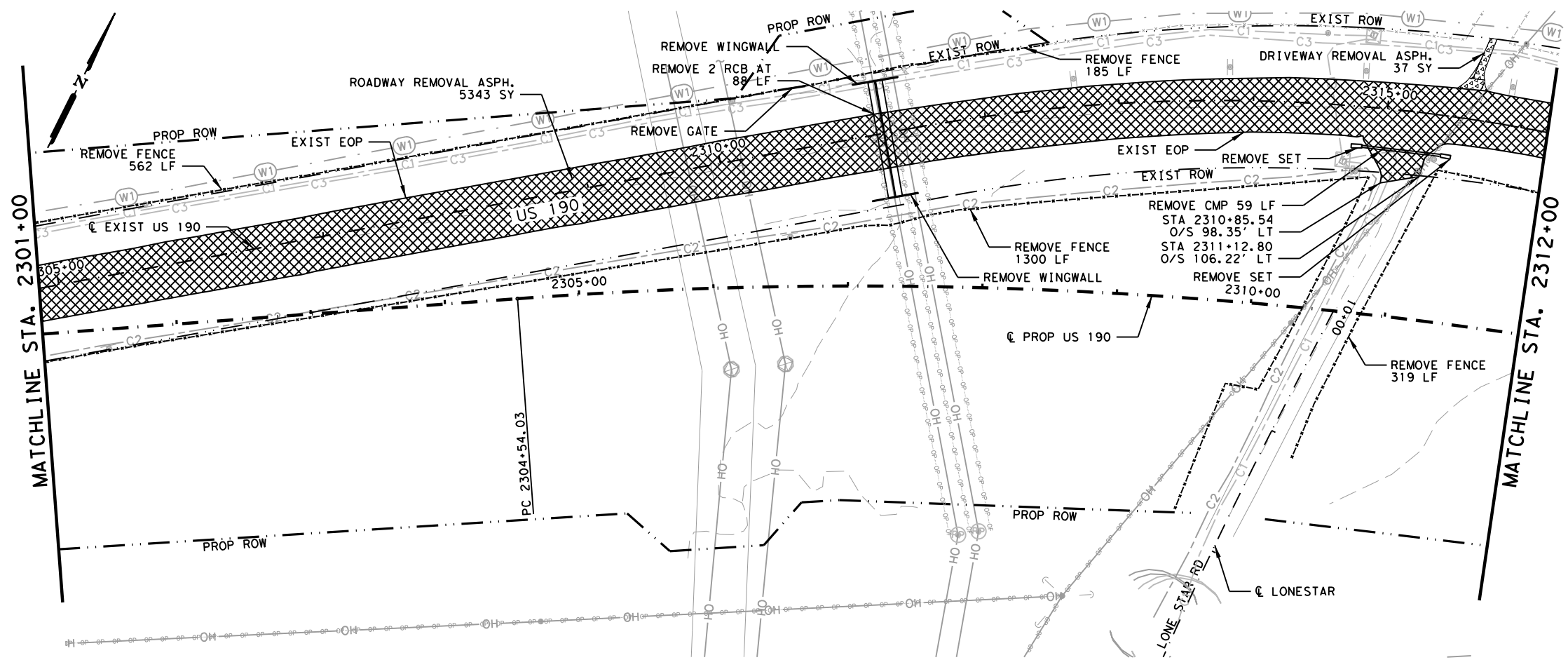
GARVER
 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPE Firm 5713

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 Texas Department of Transportation

US 190
 REMOVAL LAYOUT
 STA 2269+87 TO STA 2279+00
 SHEET 20 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT			SHEET NO.
6	SEE TITLE SHEET			580
STATE	DISTRICT	COUNTY		
TEXAS	BRY	MADISON		
CONTROL	SECTION	JOB	HIGHWAY	
0117	03	024, ETC.	US 190, ETC.	

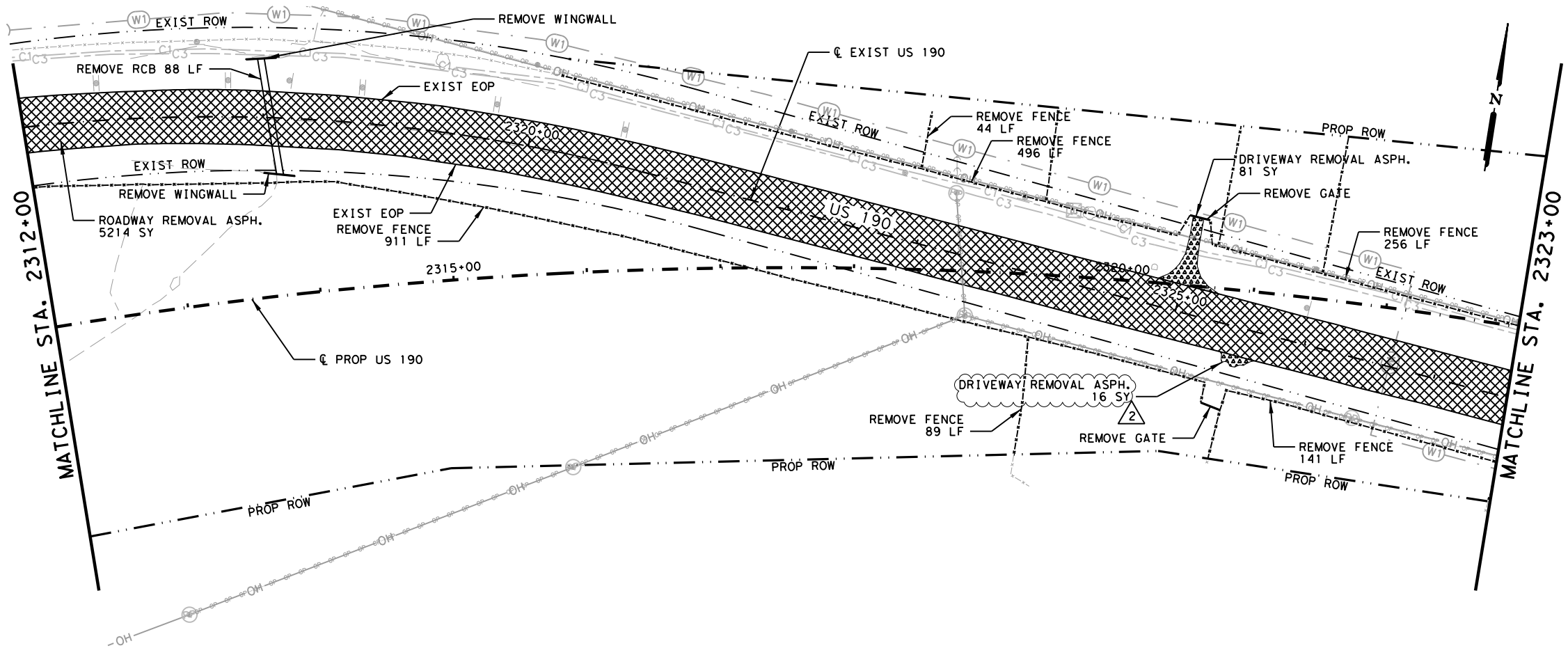
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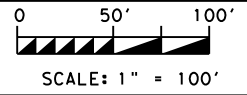
LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatch] ROADWAY REMOVAL CONC./ASPH.
- [Diagonal hatch] DRIVEWAY REMOVAL
- [Stippling] GRASS/BRUSH REMOVAL
- [Solid black] REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	CALLOUT REVISED	SAJ
NO.	DATE	REVISION	APPROV



STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

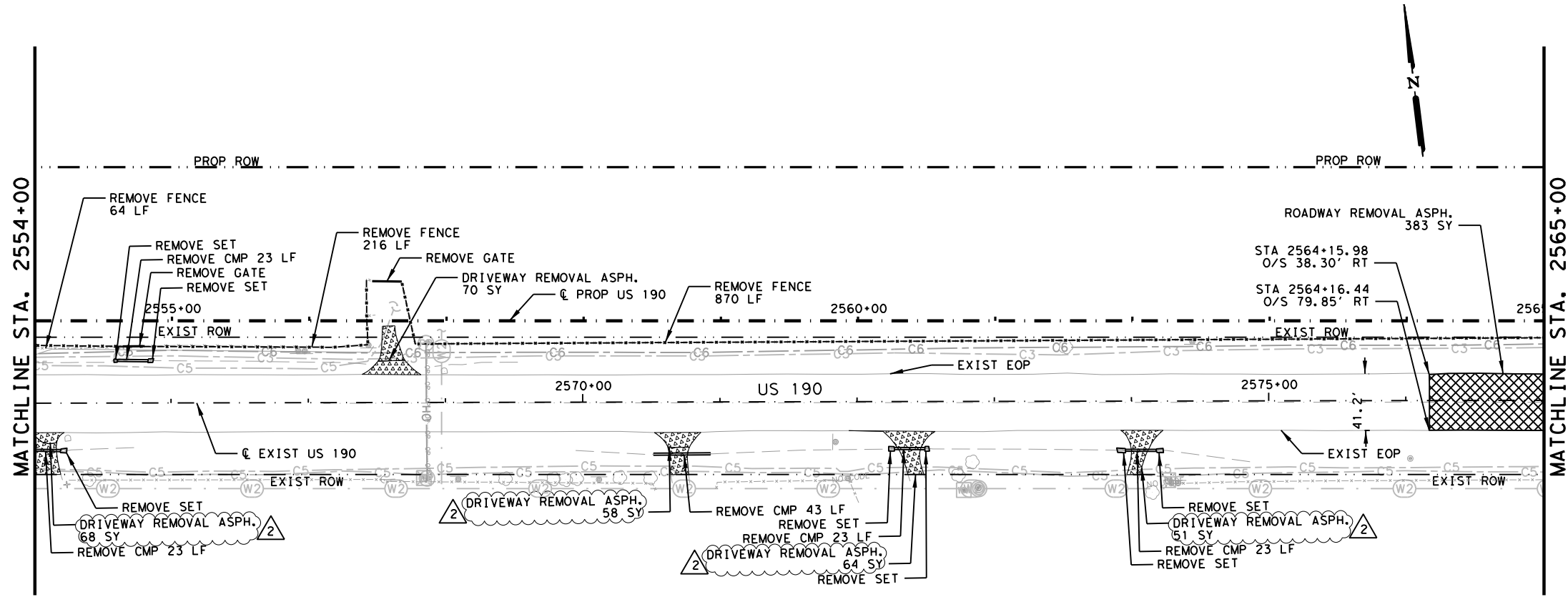
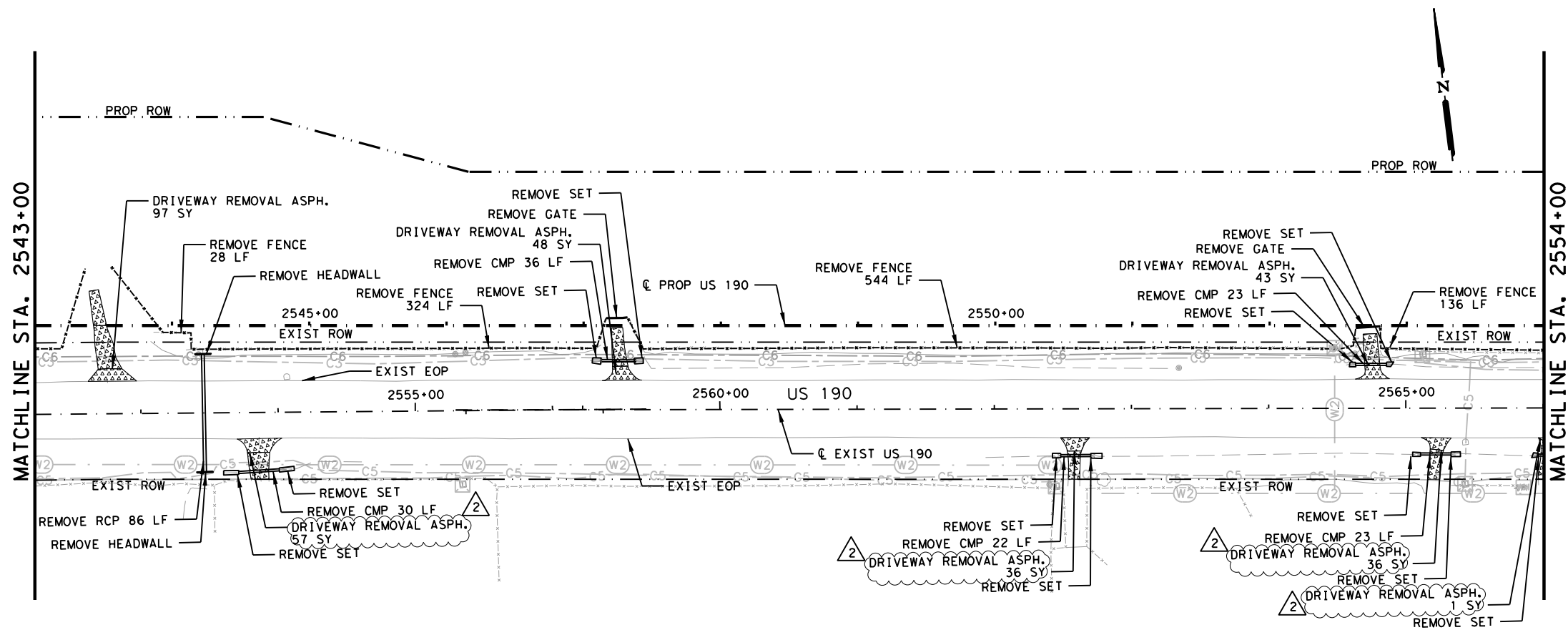
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US 190
 REMOVAL LAYOUT
 STA 2301+00 TO STA 2323+00
 SHEET 22 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		582
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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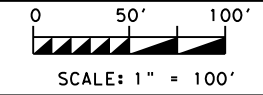


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatched] ROADWAY REMOVAL CONC./ASPH.
- [Dotted] DRIVEWAY REMOVAL
- [Stippled] GRASS/BRUSH REMOVAL
- [Dashed] REMOVAL CONC./ASPH.

NOTES:
 FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPARATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.

2	10/25/24	REVISED CALLOUTS	SAJ
NO.	DATE	REVISION	APPROV



STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
Stephen A. Johnson
 6/20/2024

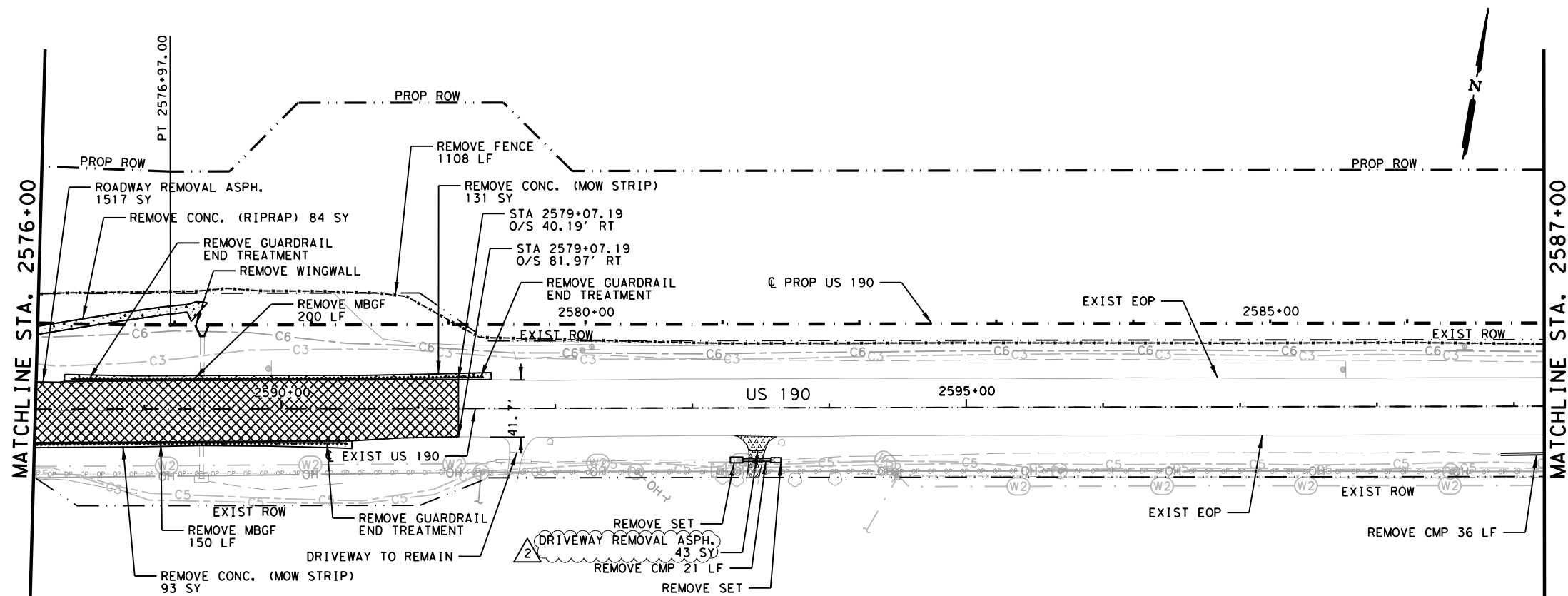
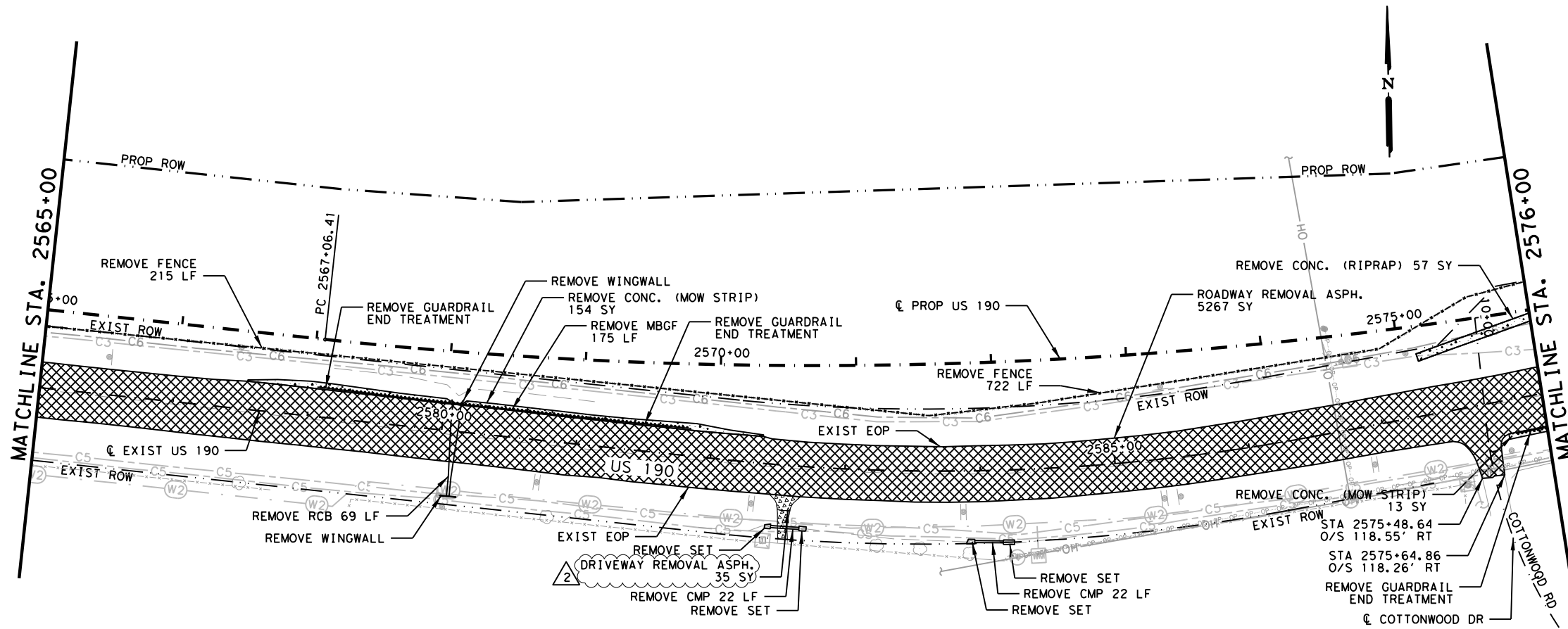
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US 190
 REMOVAL LAYOUT
 STA 2543+00 TO STA 2565+00
 SHEET 33 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		593
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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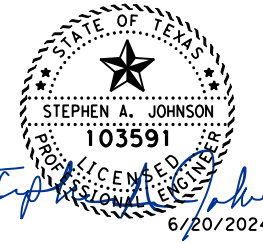
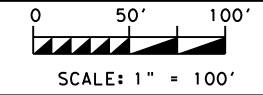


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatch pattern] ROADWAY REMOVAL CONC./ASPH.
- [Dotted pattern] DRIVEWAY REMOVAL
- [Stippled pattern] GRASS/BRUSH REMOVAL
- [Dashed pattern] REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	REVISED CALLOUTS	SAJ
NO.	DATE	REVISION	APPROV



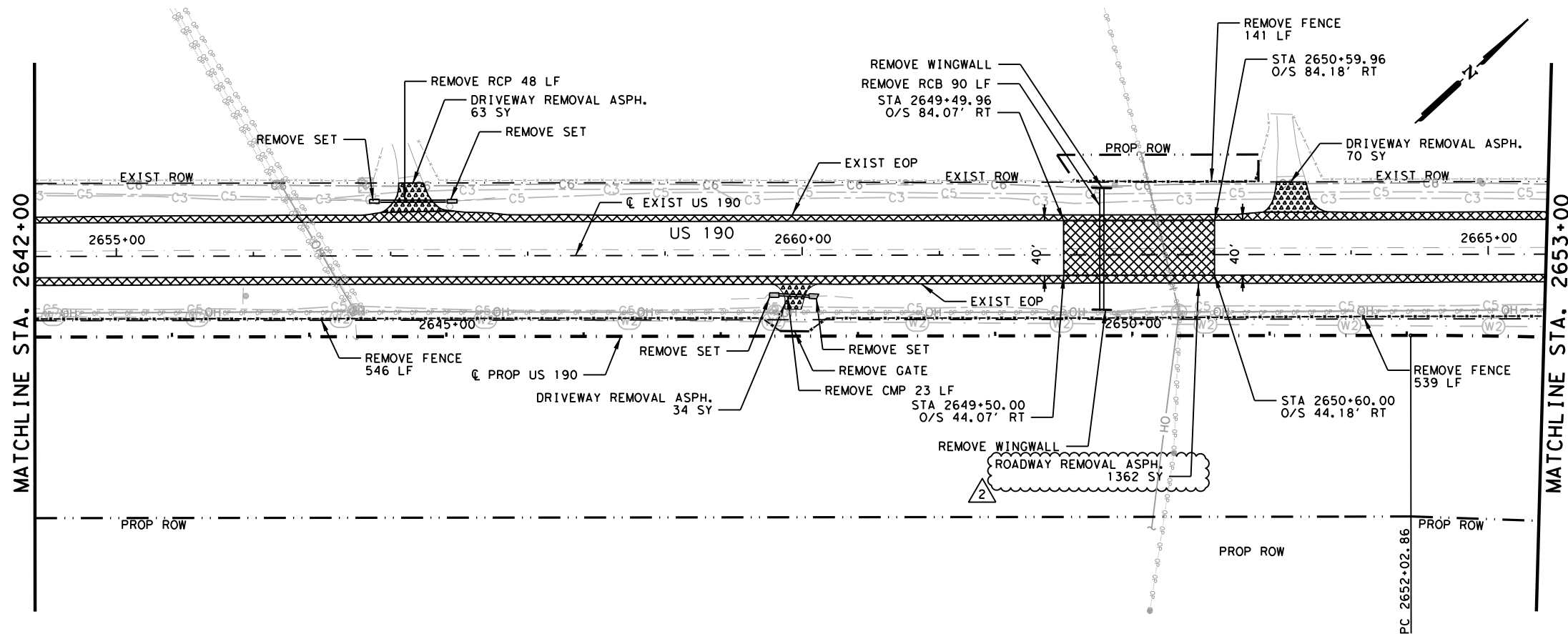
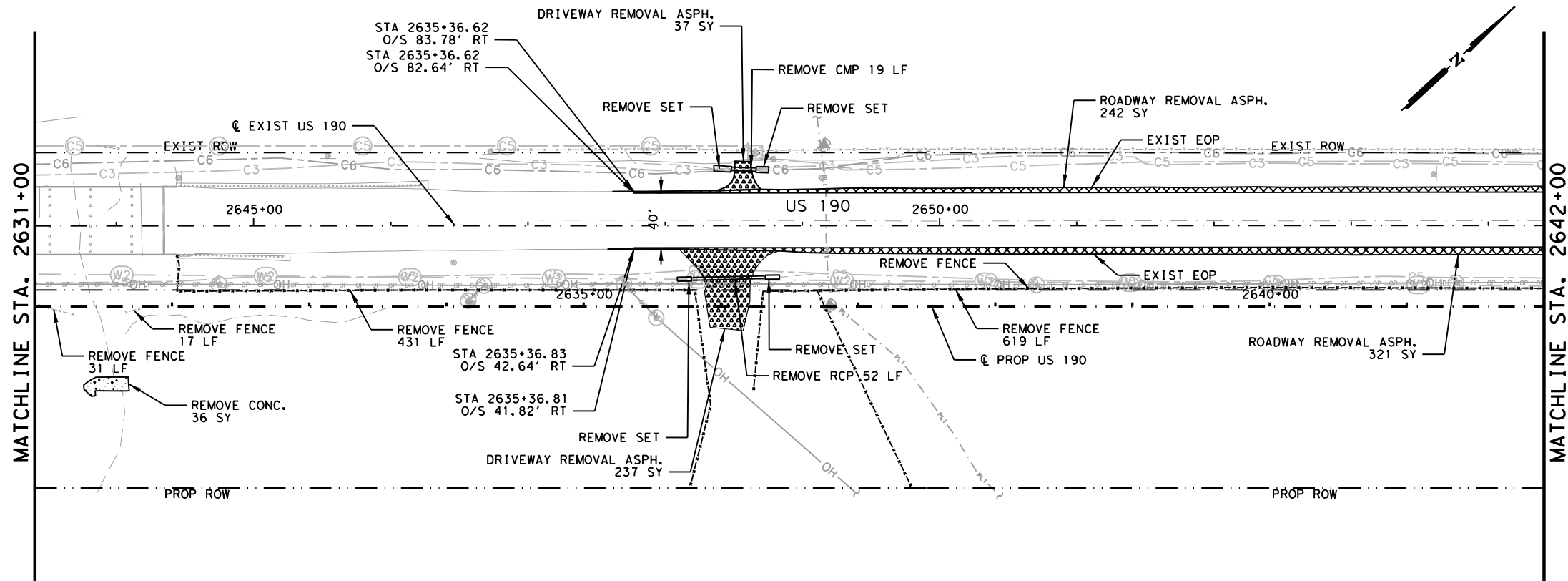
GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPE Firm 5713



US 190
REMOVAL LAYOUT
 STA 2565+00 TO STA 2587+00
 SHEET 34 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		594
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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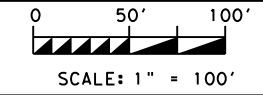


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatch pattern] ROADWAY REMOVAL CONC./ASPH.
- [Dotted pattern] DRIVEWAY REMOVAL
- [Stippled pattern] GRASS/BRUSH REMOVAL
- [Dashed pattern] REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV



STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

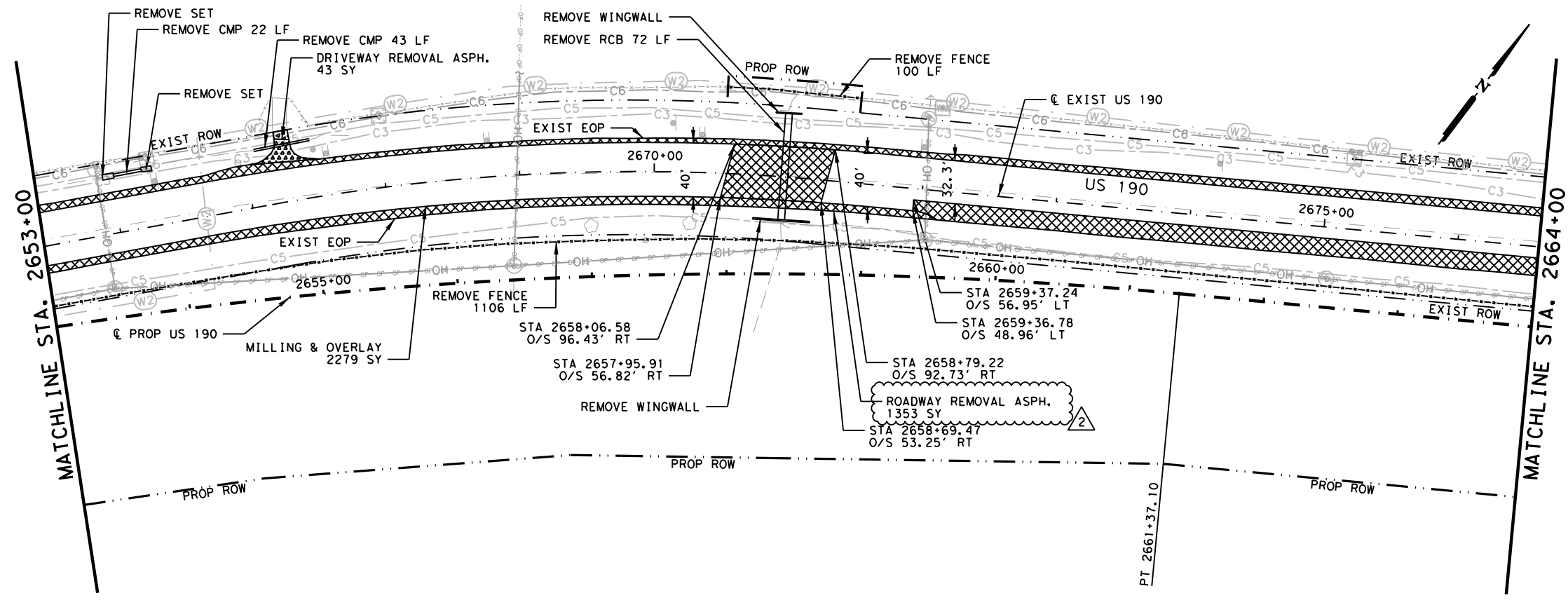
GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPE Firm 5713

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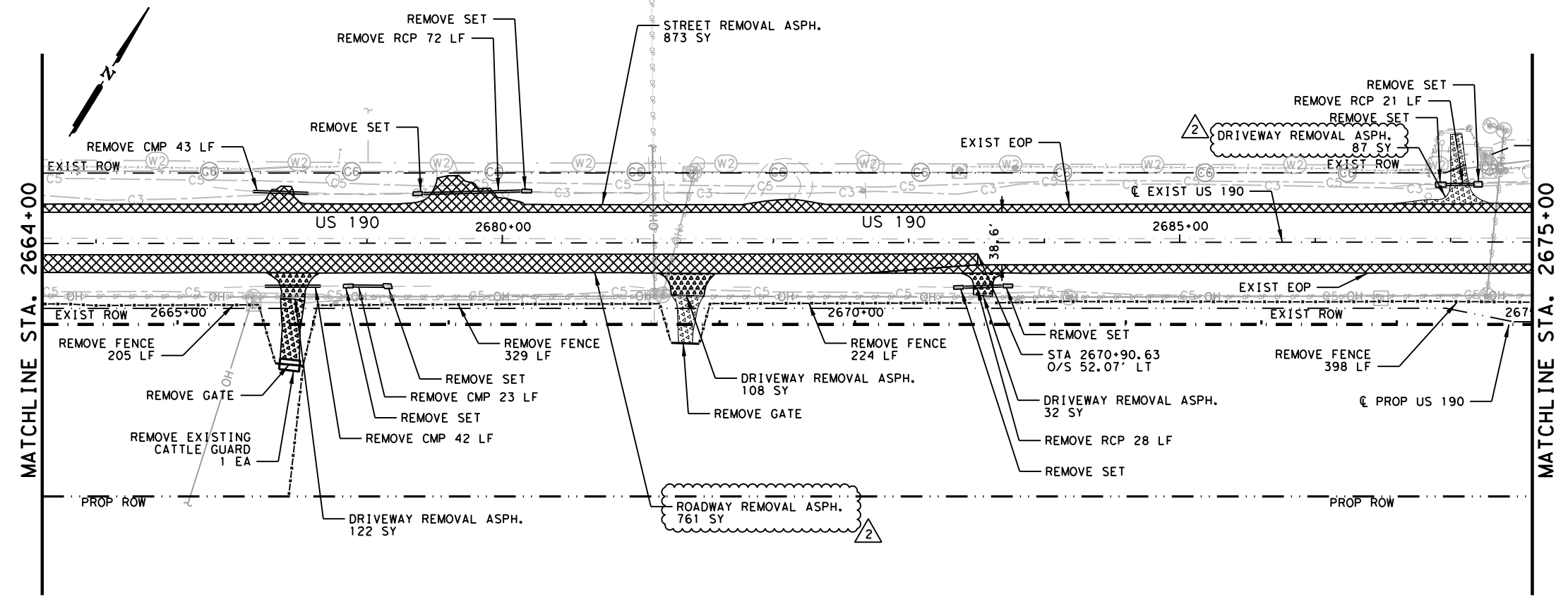
US 190
 REMOVAL LAYOUT
 STA 2631+00 TO STA 2653+00
 SHEET 37 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		597
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - EXISTING ROW
 - PROPOSED ROW
 - [Cross-hatch pattern] ROADWAY REMOVAL CONC./ASPH.
 - [Dotted pattern] DRIVEWAY REMOVAL
 - [Stippled pattern] GRASS/BRUSH REMOVAL
 - [Dashed pattern] REMOVAL CONC./ASPH.
- NOTES:**
 FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.



2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

0 50' 100'
 SCALE: 1" = 100'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPE Firm 5713

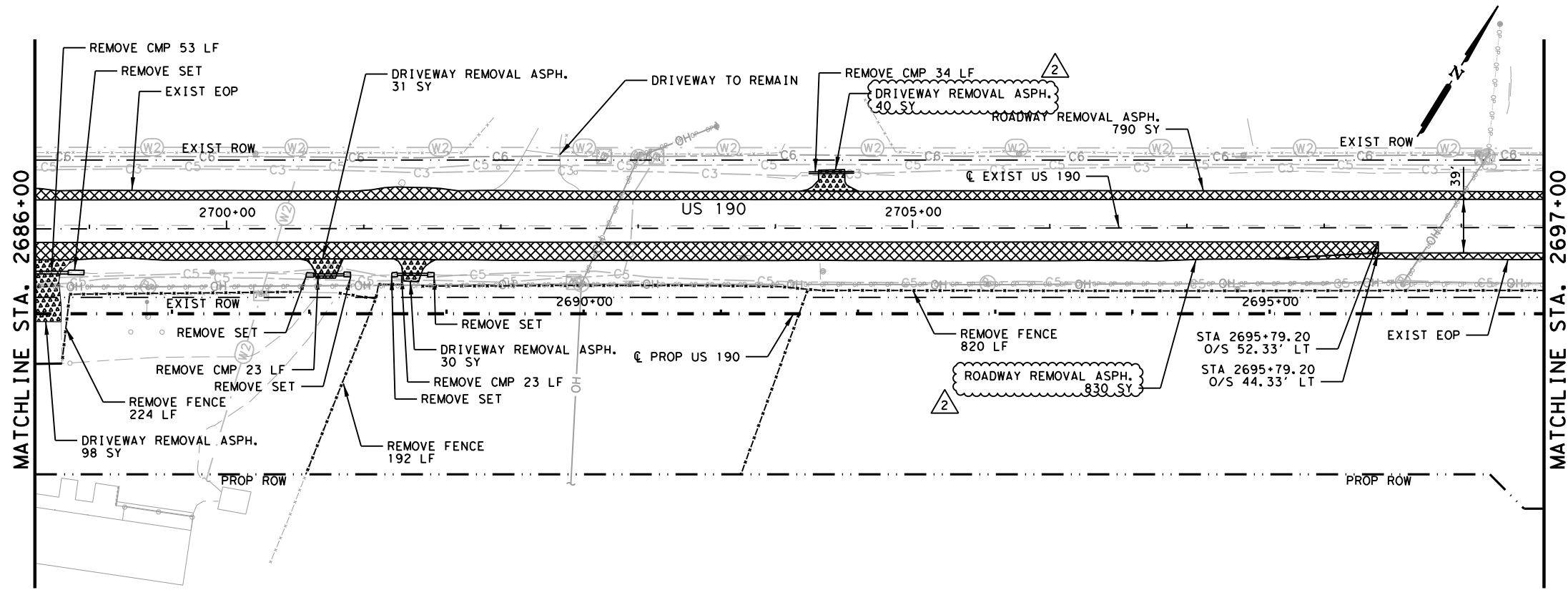
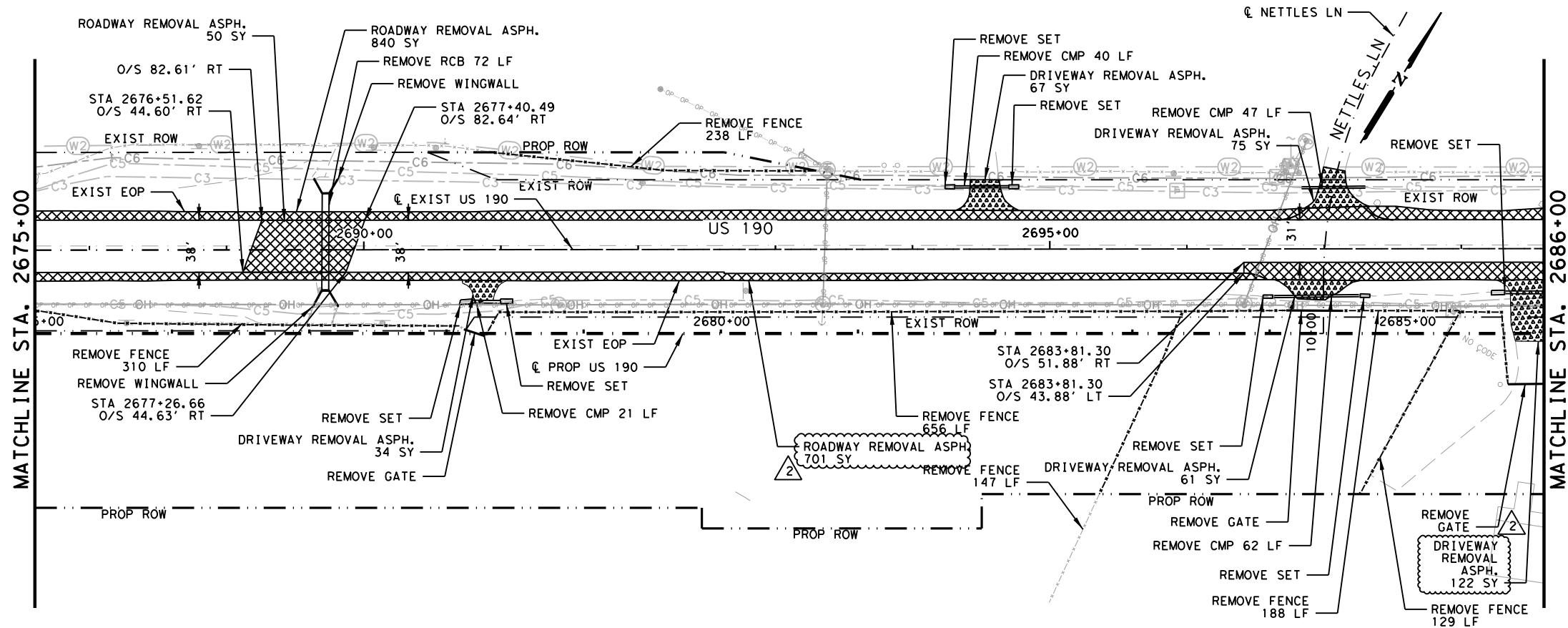
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US 190

REMOVAL LAYOUT
 STA 2653+00 TO STA 2675+00
 SHEET 38 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	598	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

DATE: 10/28/2024 11:14:28 AM
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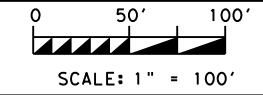


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatched] ROADWAY REMOVAL CONC./ASPH.
- [Stippled] DRIVEWAY REMOVAL
- [Dotted] GRASS/BRUSH REMOVAL
- [Dotted] REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV



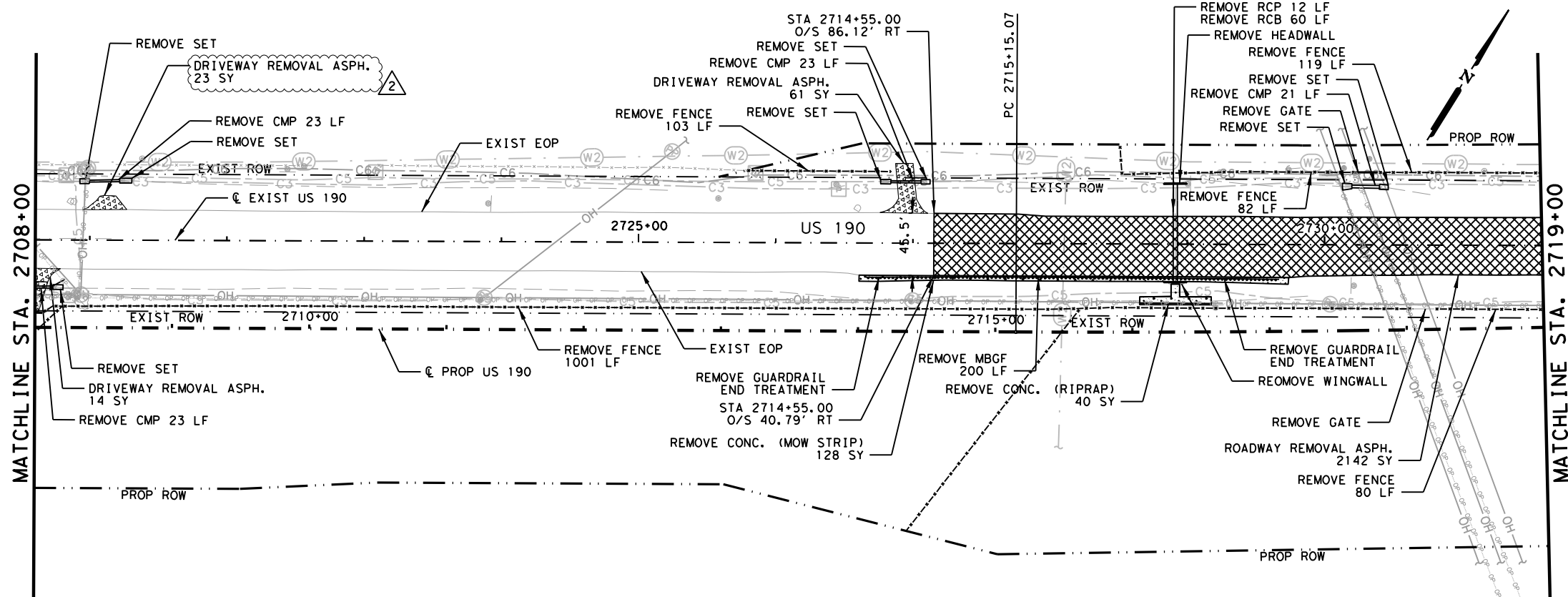
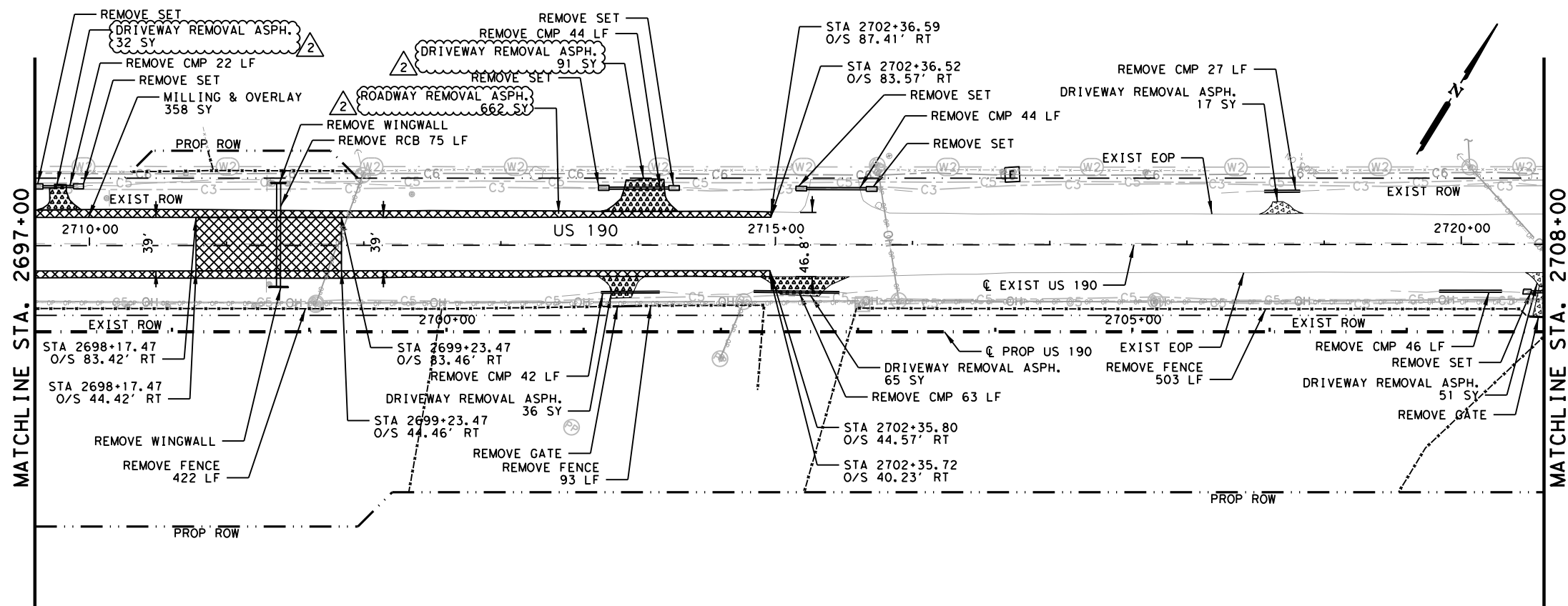
US 190

REMOVAL LAYOUT
 STA 2675+00 TO STA 2697+00

SHEET 39 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	599
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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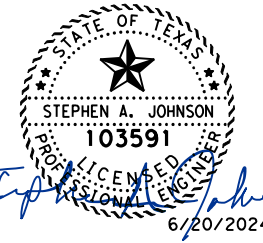
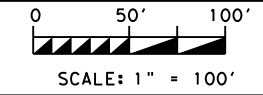


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatch pattern] ROADWAY REMOVAL CONC./ASPH.
- [Dotted pattern] DRIVEWAY REMOVAL
- [Stippled pattern] GRASS/BRUSH REMOVAL
- [Dashed pattern] REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	REVISED QUANTITIES/ CALLOUTS	SAJ
NO.	DATE	REVISION	APPROV



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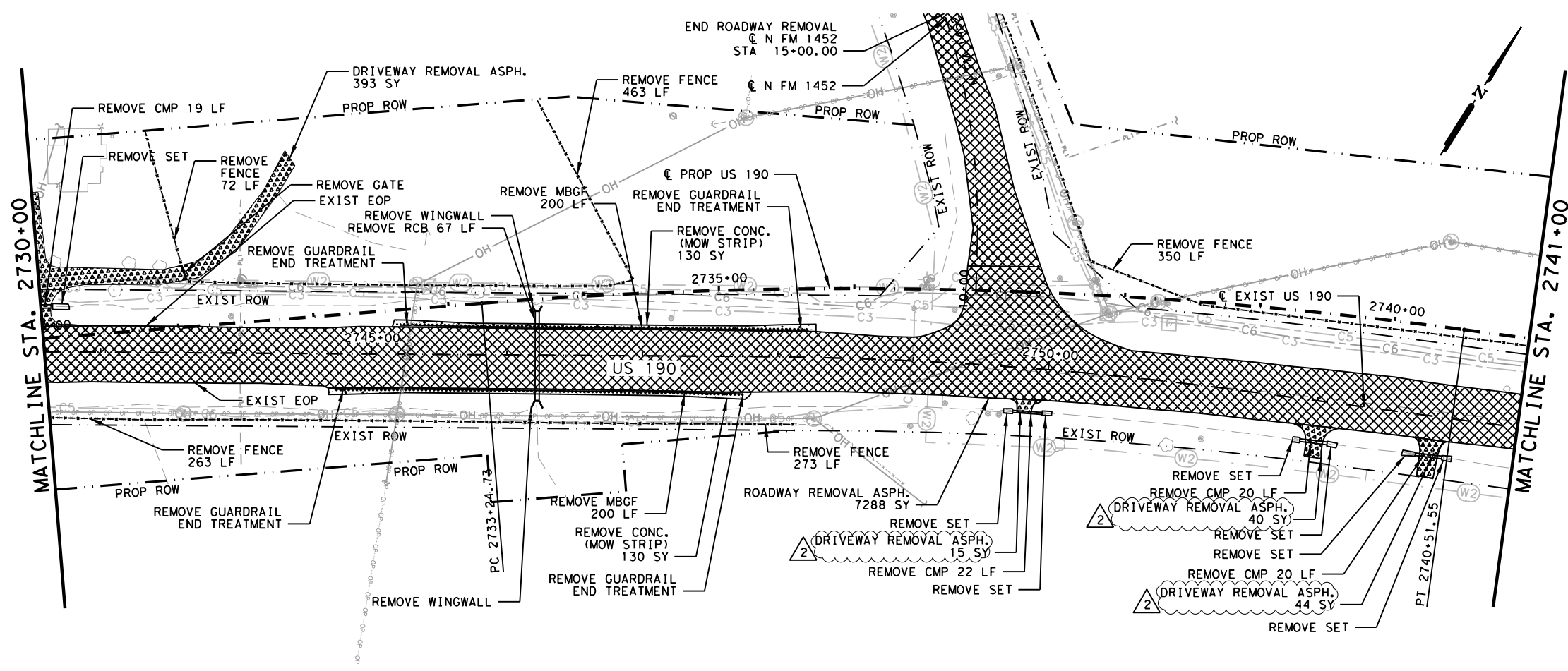
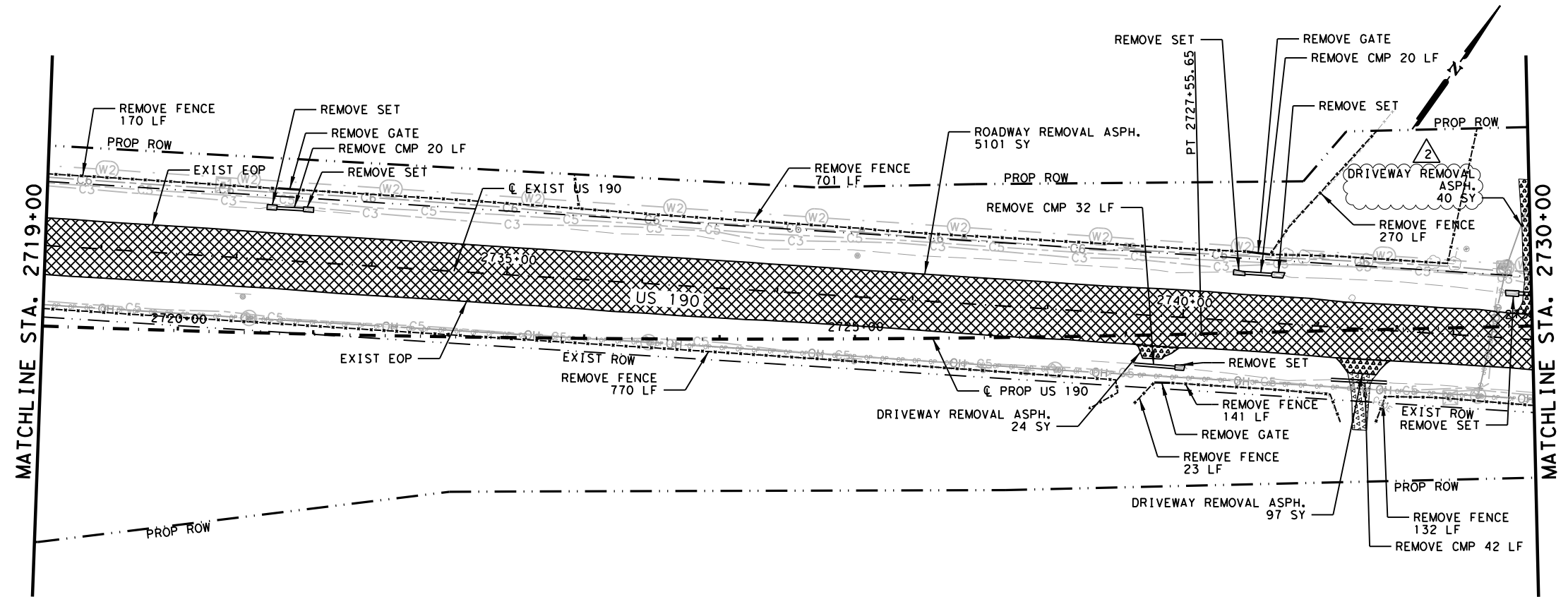
US 190

REMOVAL LAYOUT
 STA 2697+00 TO STA 2719+00

SHEET 40 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		600
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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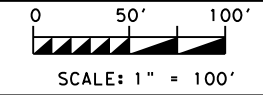


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatch pattern] ROADWAY REMOVAL CONC./ASPH.
- [Dotted pattern] DRIVEWAY REMOVAL
- [Stippled pattern] GRASS/BRUSH REMOVAL
- [Dashed pattern] REMOVAL CONC./ASPH.

NOTES:
 FENCING AND GATE REMOVALS SHOWN ARE NOT A SEPERATE PAY ITEM AND ARE FOR CONTRACTOR'S INFORMATION ONLY. IF FENCING OR GATES HAVE NOT BEEN REMOVED BY PROPERTY OWNER, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY REMOVED FENCING OR GATES.

2	10/25/24	REVISED CALLOUTS	SAJ
NO.	DATE	REVISION	APPROV



STATE OF TEXAS
 ★
 STEPHEN A. JOHNSON
 103591
Stephen A. Johnson
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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US 190
 REMOVAL LAYOUT
 STA 2719+00 TO STA 2741+00
 SHEET 41 OF 45

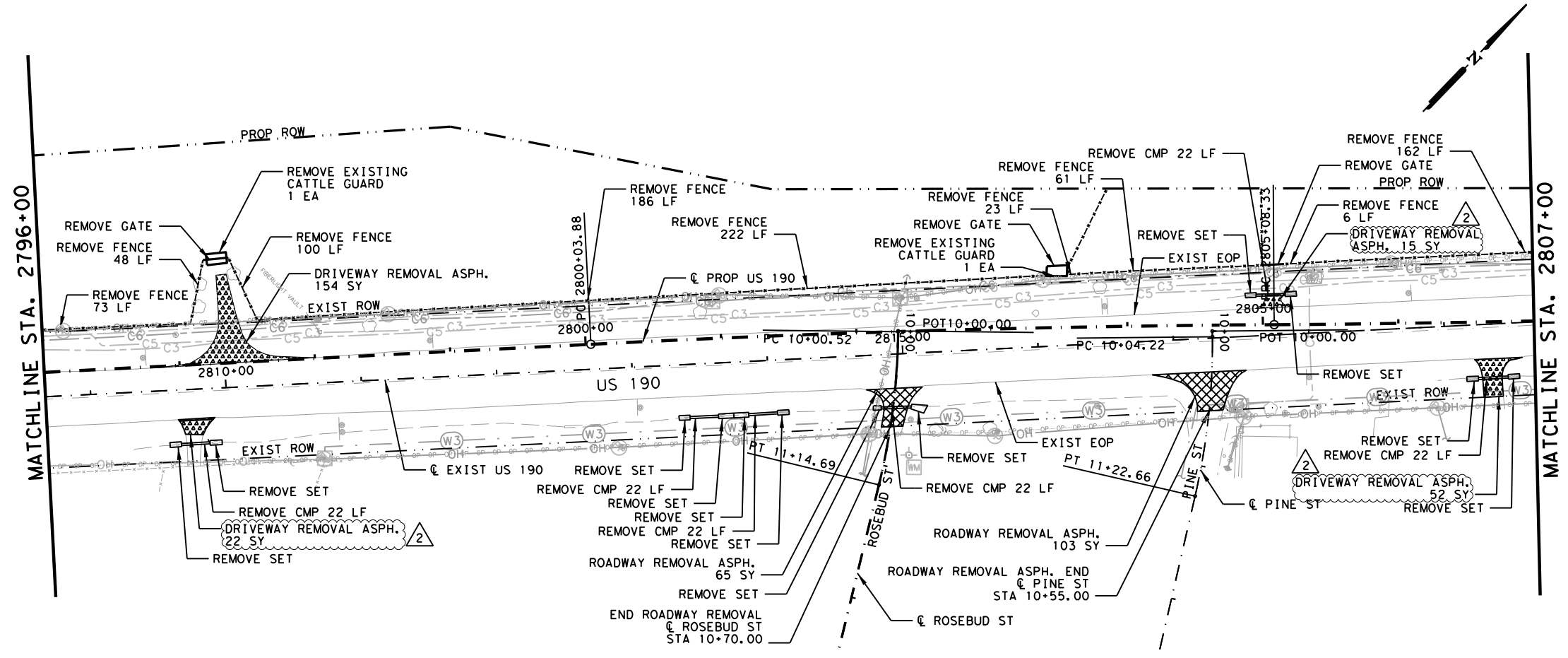
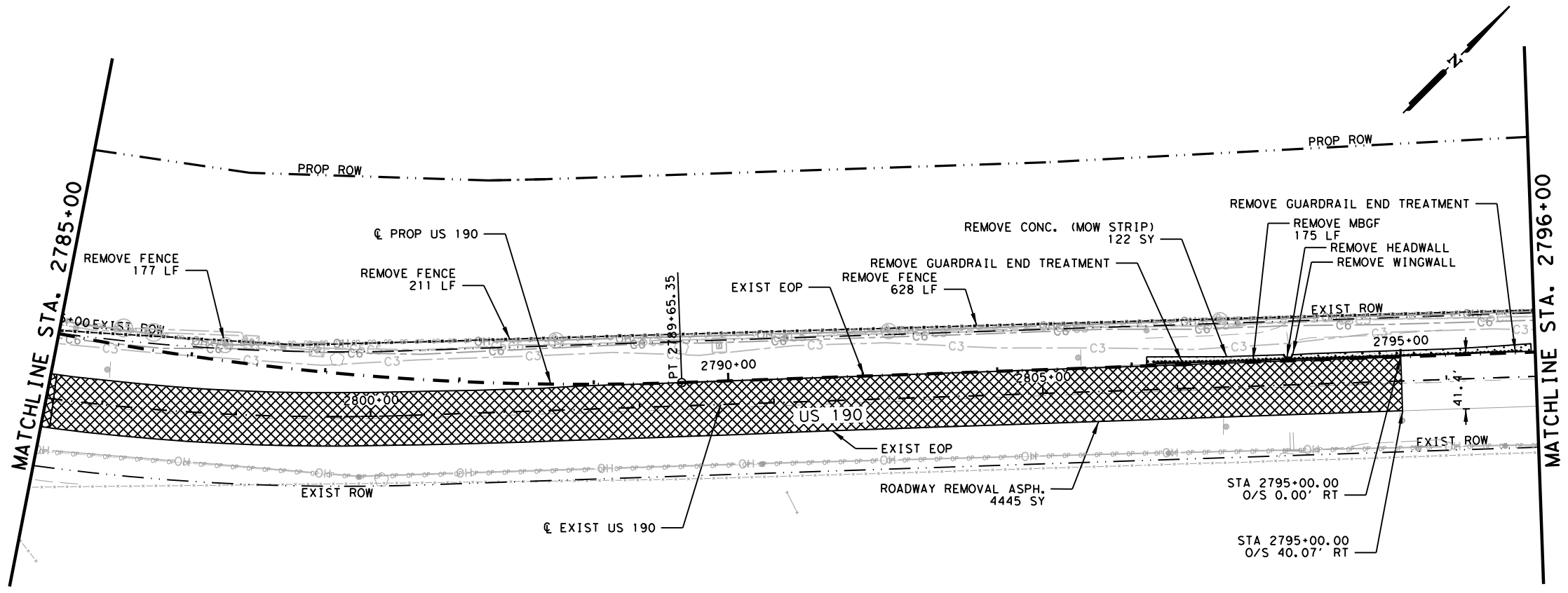
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6	SEE TITLE SHEET	601
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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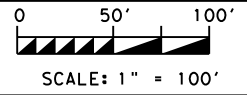
LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- ROADWAY REMOVAL CONC./ASPH.
- DRIVEWAY REMOVAL
- GRASS/BRUSH REMOVAL
- REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	REVISED CALLOUTS	SAJ
NO.	DATE	REVISION	APPROV



Stephen A. Johnson
 6/20/2024

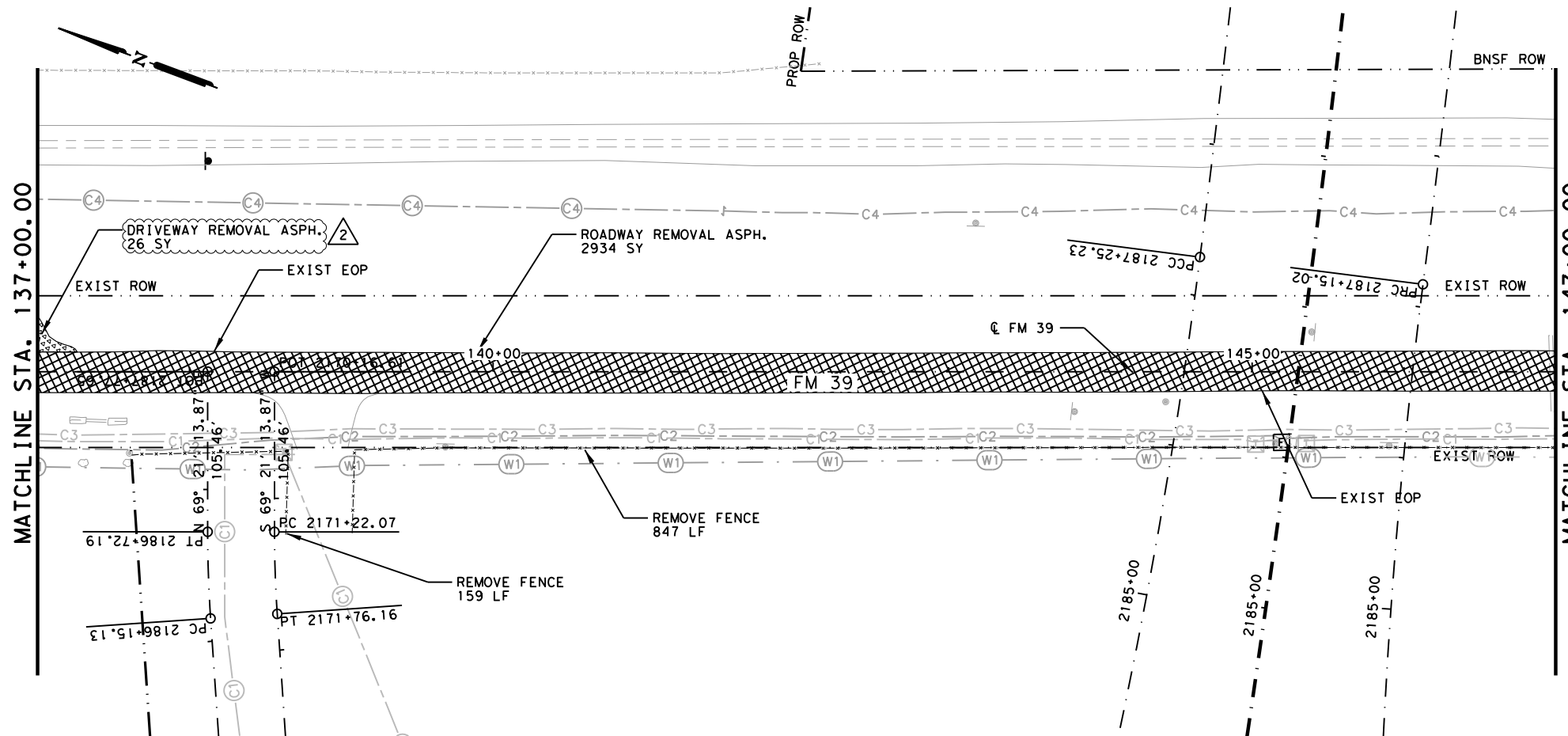
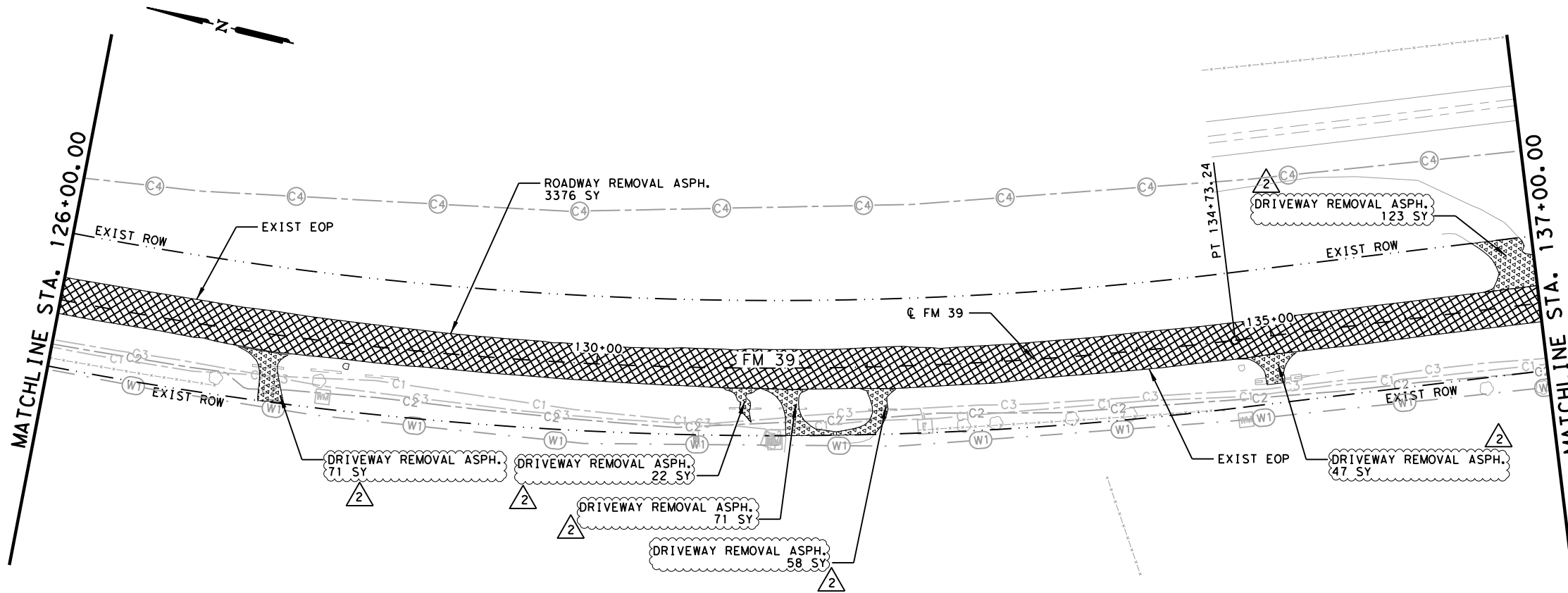
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US 190
REMOVAL LAYOUT
 STA 2785+00 TO STA 2807+00
 SHEET 44 OF 45

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	604
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

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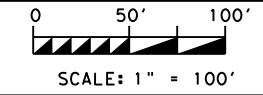


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatch] ROADWAY REMOVAL CONC./ASPH.
- [Dotted] DRIVEWAY REMOVAL
- [Stippled] GRASS/BRUSH REMOVAL
- [Dashed] REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	CALLOUTS ADDED	SAJ
NO.	DATE	REVISION	APPROV



STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
Stephen A. Johnson
 6/20/2024

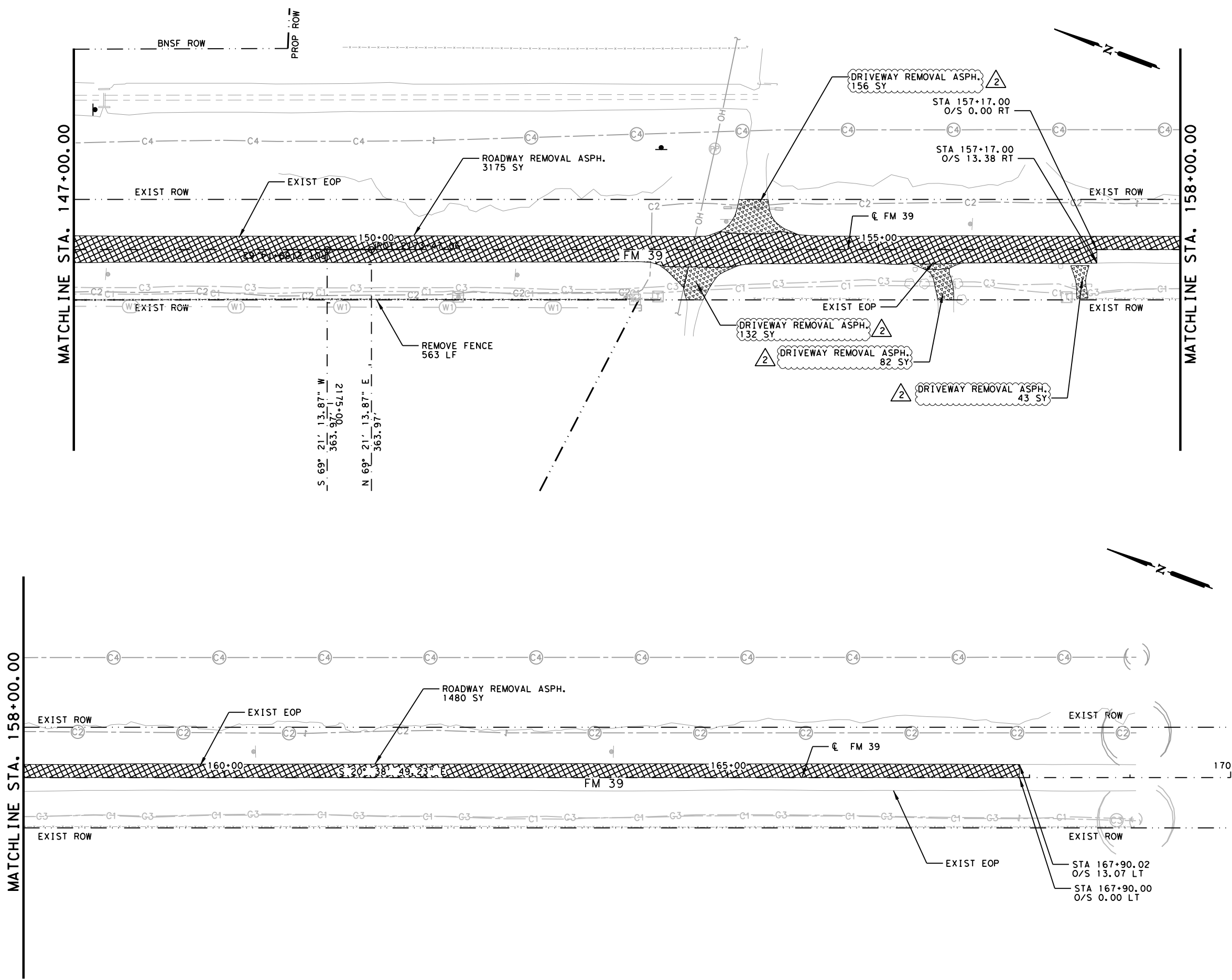
GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPE Firm 5713

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US 190
 REMOVAL LAYOUT
 FM 39
 STA 126+00 TO STA 147+00
 SHEET 3 OF 4

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		608
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

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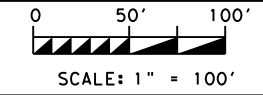


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- [Cross-hatched] ROADWAY REMOVAL CONC./ASPH.
- [Dotted] DRIVEWAY REMOVAL
- [Stippled] GRASS/BRUSH REMOVAL
- [Dashed] REMOVAL CONC./ASPH.

NOTES:
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2	10/25/24	CALLOUTS ADDED	SAJ
NO.	DATE	REVISION	APPROV



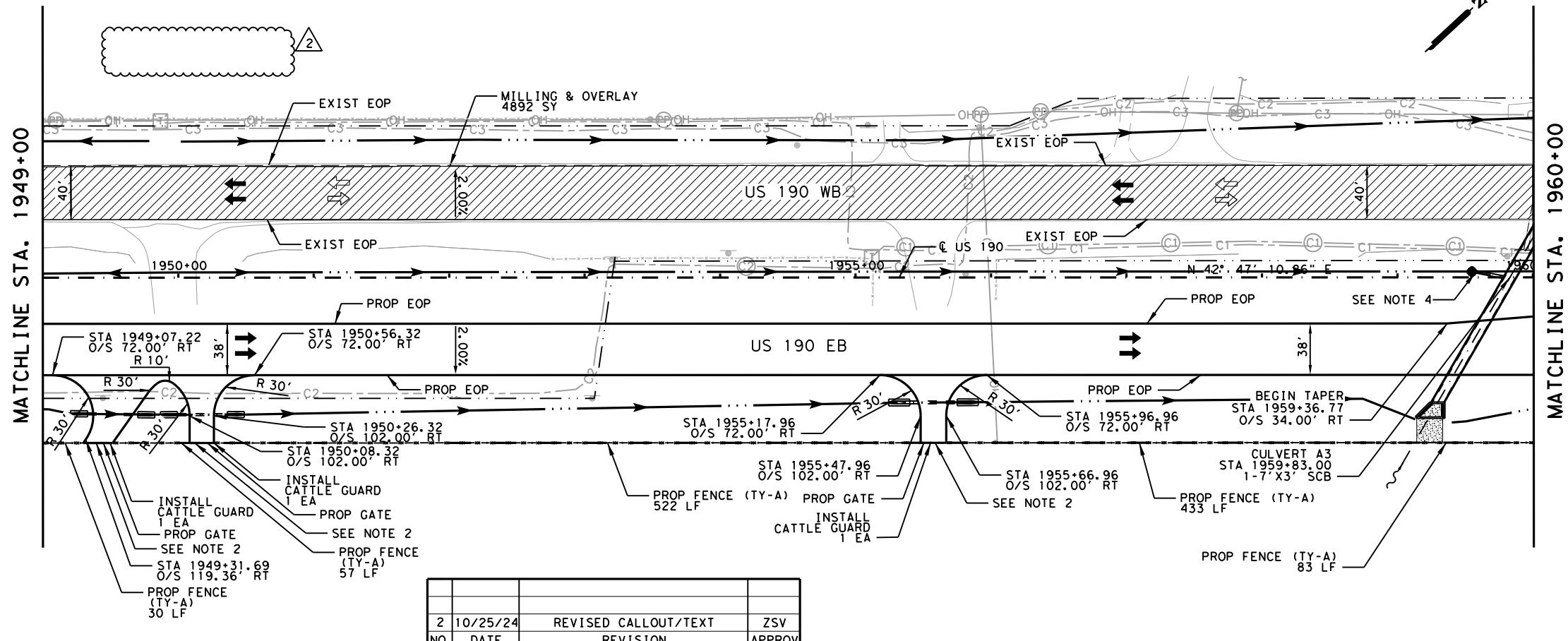
GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPE Firm 5713



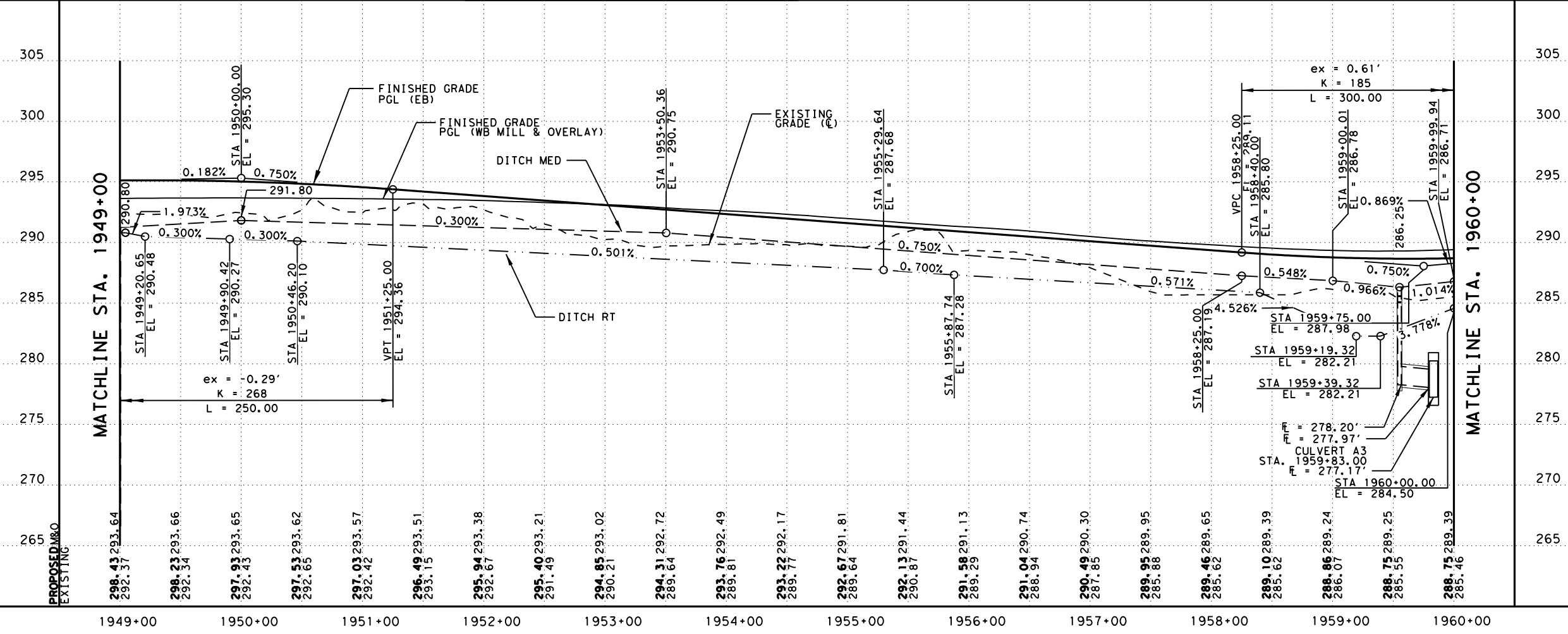
US 190
 REMOVAL LAYOUT
 FM 39
 STA 147+00 TO STA 170+00

SHEET 4 OF 4

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		609
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.



NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED CALLOUT/TEXT	ZSV



LEGEND:
 - EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - EXISTING RIGHT-OF-WAY
 - PROPOSED RIGHT-OF-WAY
 - WOTUS PERMIT LIMITS
 - MILL AND OVERLAY
 - CONCRETE RIPRAP
 - STONE PROTECTION RIPRAP
 - PROPOSED FENCE
 - EXISTING FENCE
 - EXISTING OVERHEAD TELECOM
 - EXISTING UNDERGROUND TELECOM
 - EXISTING DIRECTION OF TRAFFIC
 - PROPOSED DIRECTION OF TRAFFIC
 - FLOW ARROW
 - PROPOSED DITCH
 - EXISTING DITCH
 - BORING

NOTE:
 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
 2) SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
 3) SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
 4) SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
 5) FENCING AND GATES SHOWN ARE NSPI AND FOR THE CONTRACTOR'S INFORMATION ONLY. IF FENCING HAS NOT BEEN INSTALLED BY PROPERTY OWNER ALONG ROW, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY CONSTRUCTED FENCING OR GATES, PER TXDOT STANDARD.

Scale:
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

FOR ALL DESIGN EXCEPT DRAINAGE
 ZACHARY S. VERMILLION
 113558
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

FOR DRAINAGE DESIGN ONLY
 LAURA M. FRIELLO
 124810
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

LJA Program Management, LLC
 FRN - F-14256

Texas Department of Transportation
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US 190
ROADWAY PLAN AND PROFILE
 STA 1949+00 TO STA 1960+00

SHEET 7 OF 69

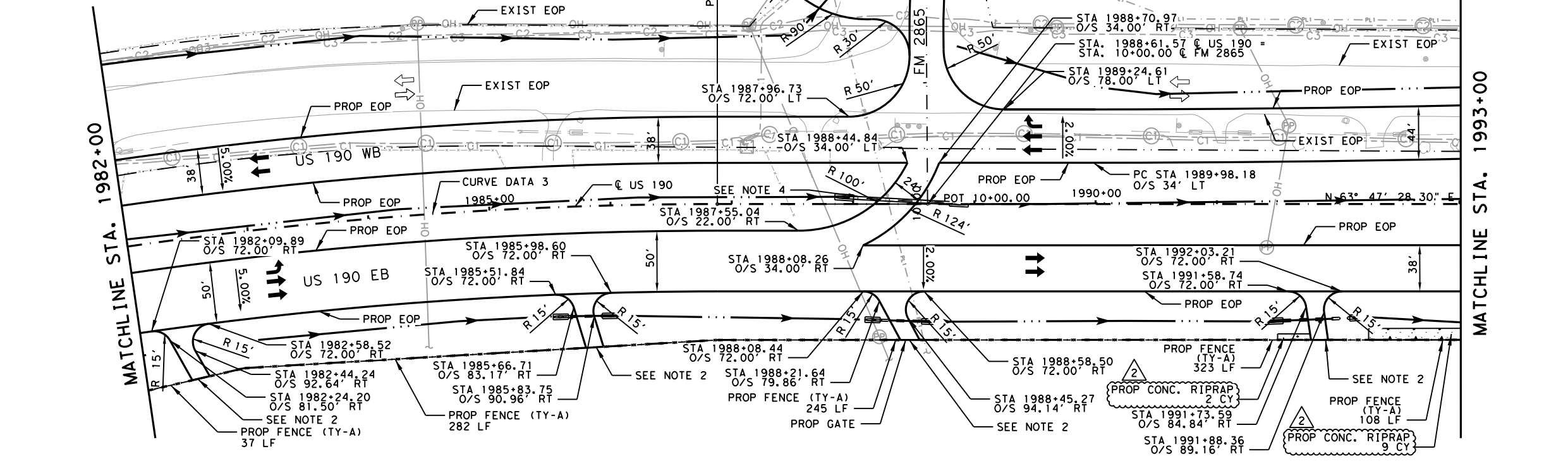
FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	648
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	ZSV

HORIZONTAL CURVE DATA
 CURVE US190_3

PI STATION = 1980+71.94
 DELTA = 21° 00' 17.44" (RT)
 TANGENT = 630.30
 LENGTH = 1,246.45
 RADIUS = 3,400.00
 PC STATION = 1974+41.64
 PT STATION = 1986+88.09

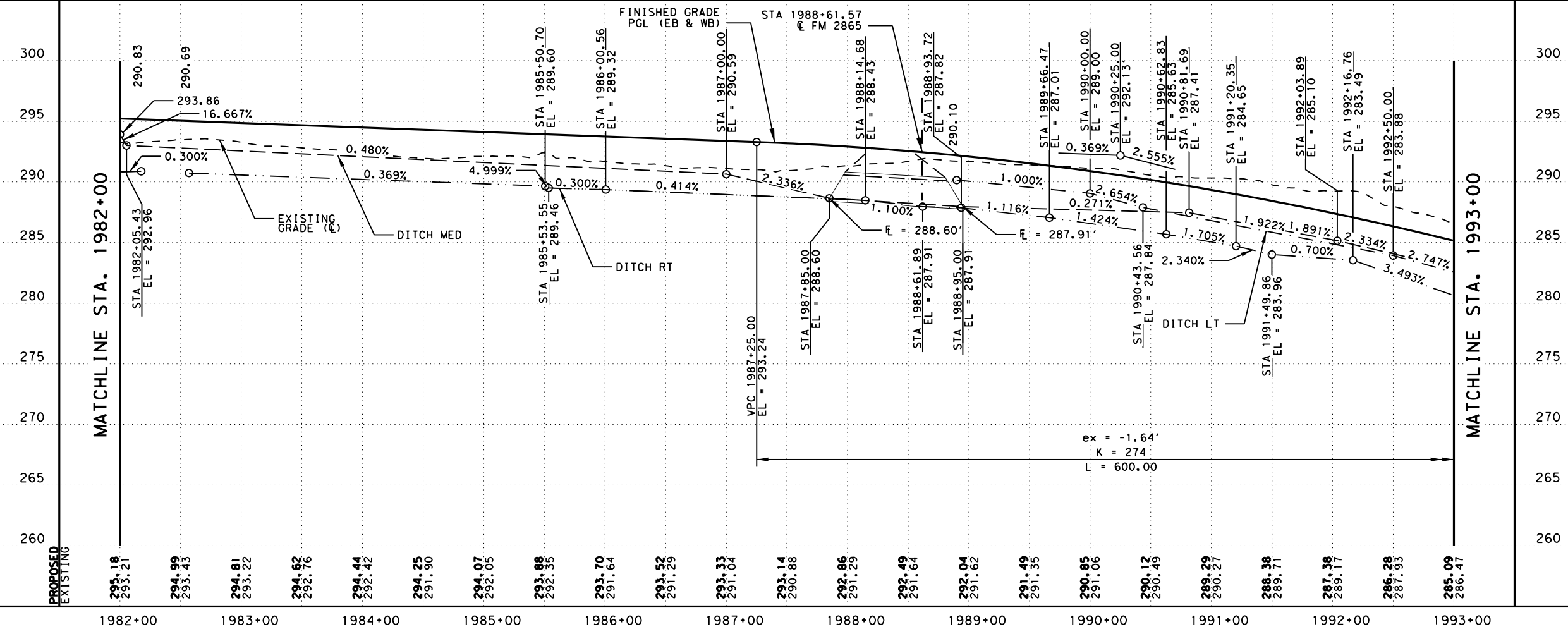


LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- PROPOSED FENCE
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- EXISTING DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
- SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
- FENCING AND GATES SHOWN ARE NSPI AND FOR THE CONTRACTOR'S INFORMATION ONLY. IF FENCING HAS NOT BEEN INSTALLED BY PROPERTY OWNER ALONG ROW, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY CONSTRUCTED FENCING OR GATES, PER TXDOT STANDARD.



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

FOR ALL DESIGN EXCEPT DRAINAGE	FOR DRAINAGE DESIGN ONLY
<i>Zachary S. Vermillion</i>	<i>Laura M. Friello</i>
6/20/2024	6/20/2024

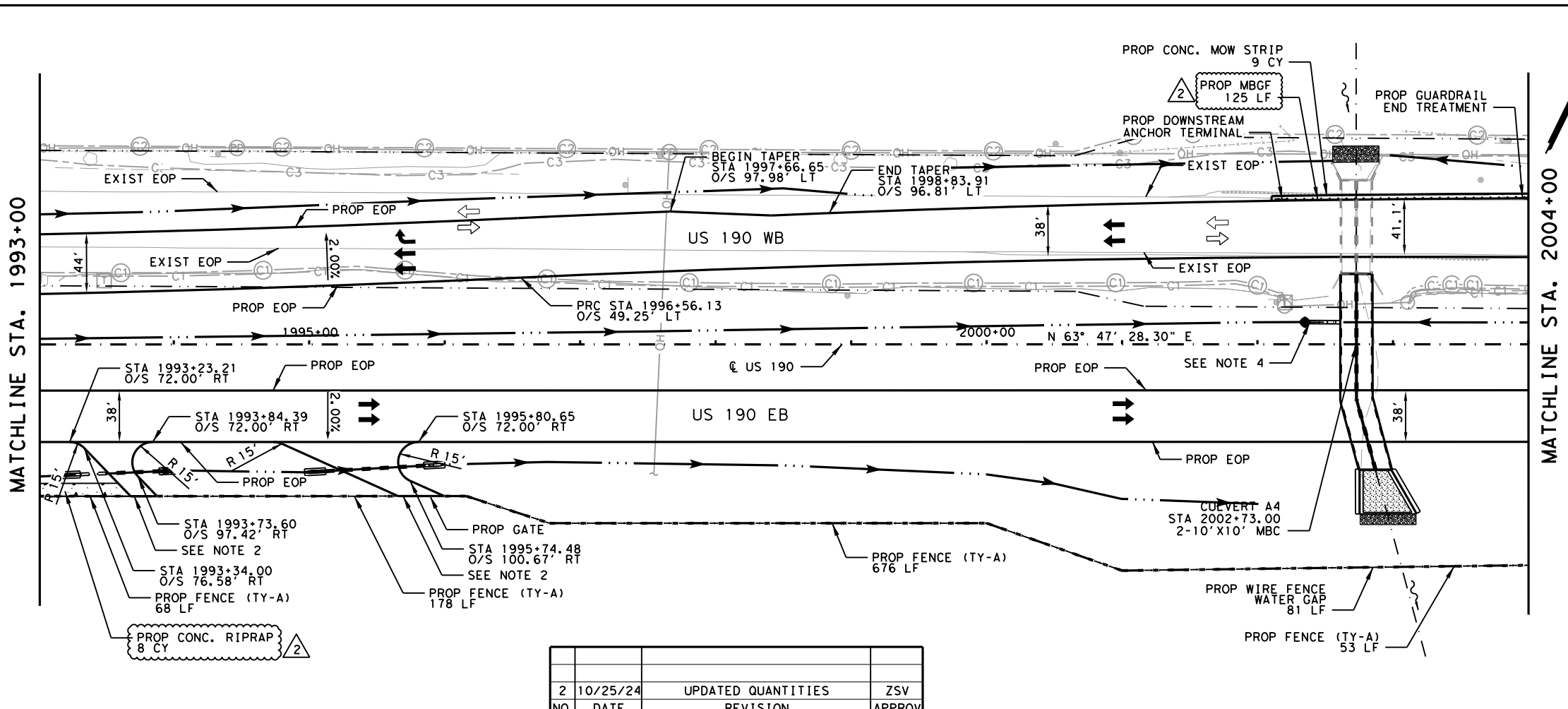
LJA Program Management, LLC
 FRN - F-14256

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US 190
ROADWAY PLAN AND PROFILE
 STA 1982+00 TO STA 1993+00
 SHEET 10 OF 69

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	651
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

DATE: 10/28/2024 11:33:58 AM
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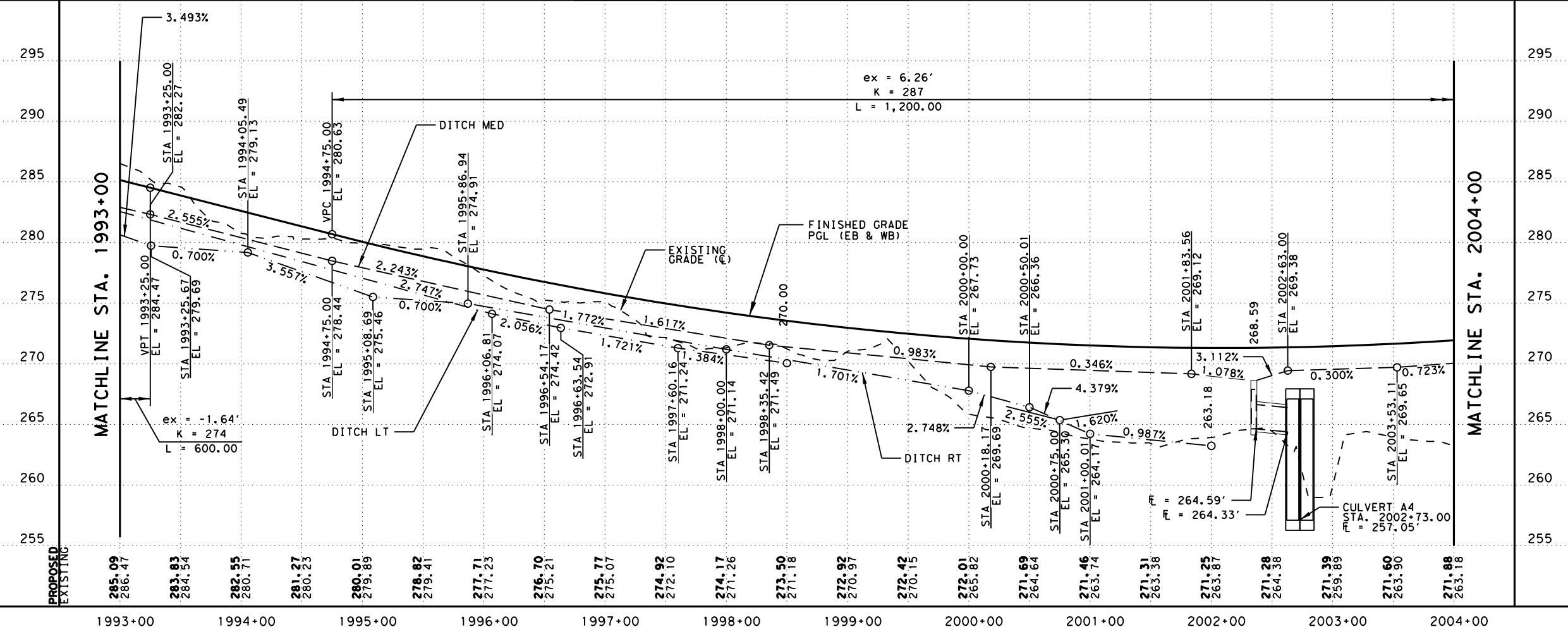
NO.	DATE	REVISION	APPROV
2	10/25/24	UPDATED QUANTITIES	ZSV

LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- PROPOSED FENCE
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- EXISTING DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
- SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
- FENCING AND GATES SHOWN ARE NSPI AND FOR THE CONTRACTOR'S INFORMATION ONLY. IF FENCING HAS NOT BEEN INSTALLED BY PROPERTY OWNER ALONG ROW, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY CONSTRUCTED FENCING OR GATES, PER TXDOT STANDARD.



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

FOR ALL DESIGN EXCEPT DRAINAGE	FOR DRAINAGE DESIGN ONLY
<i>Zachary S. Vermillion</i>	<i>Laura M. Friello</i>
6/20/2024	6/20/2024

LJA Program Management, LLC
 FRN - F-14256

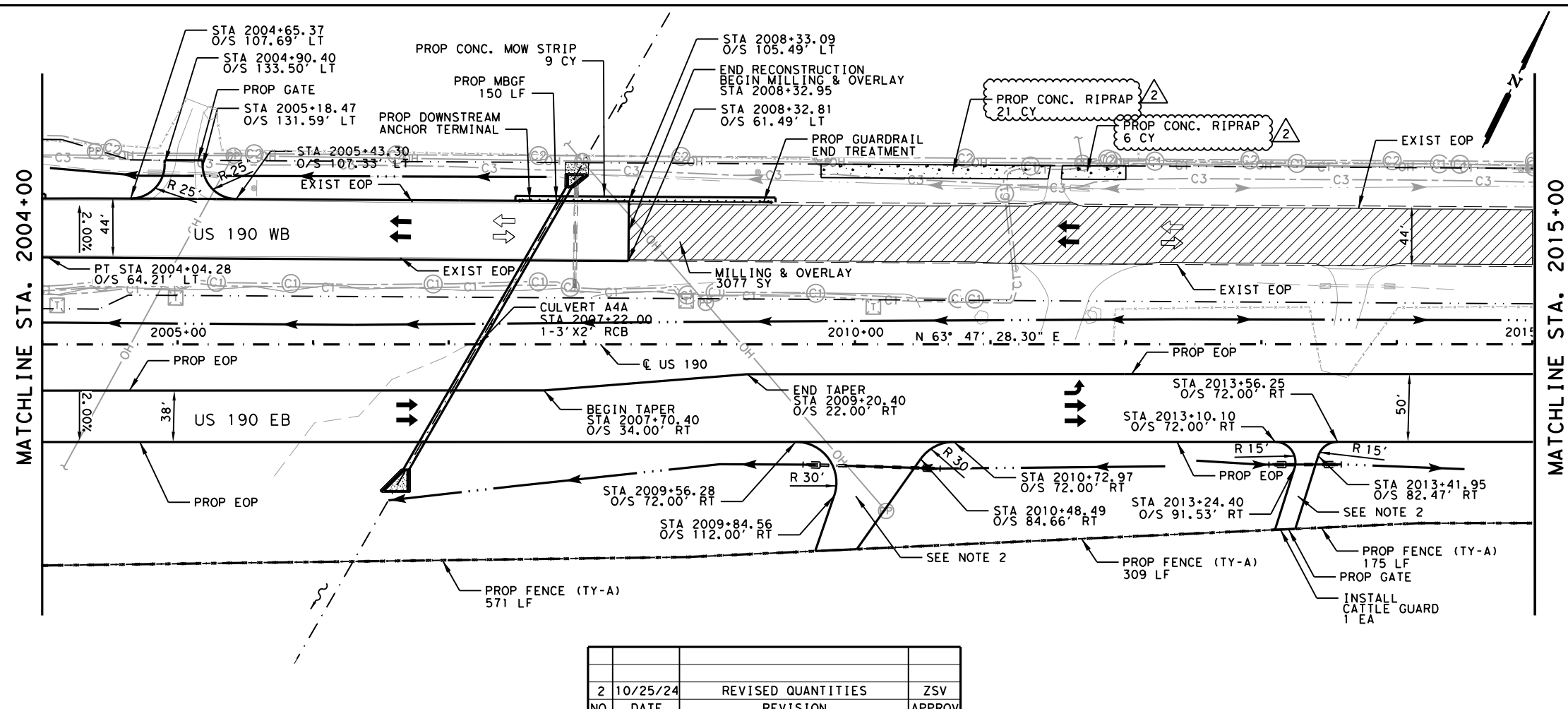
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 1993+00 TO STA 2004+00

SHEET 11 OF 69

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	652
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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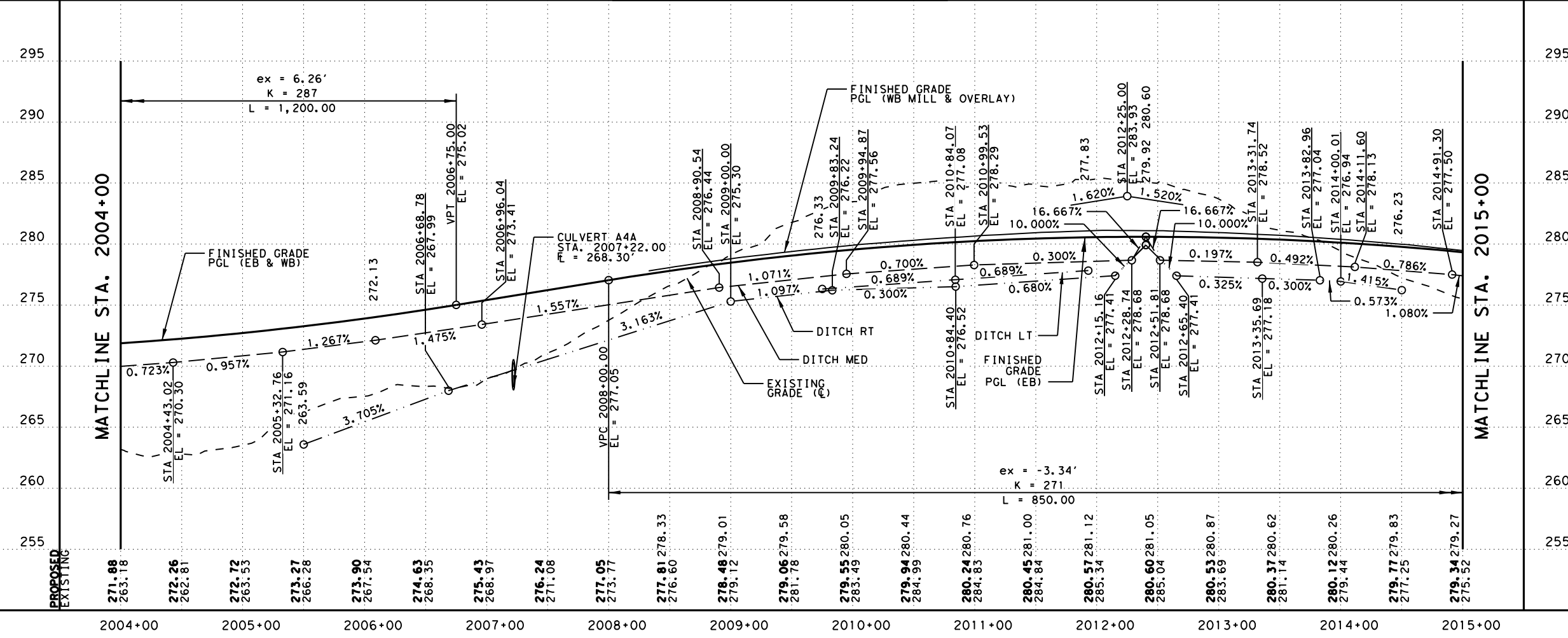
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- PROPOSED FENCE
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- EXISTING DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	ZSV



Scale: 1" = 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

FOR ALL DESIGN EXCEPT DRAINAGE	FOR DRAINAGE DESIGN ONLY
ZACHARY S. VERMILION 113558 PROFESSIONAL ENGINEER	LAURA M. FRIELLO 124810 PROFESSIONAL ENGINEER
6/20/2024	6/20/2024

LJA Program Management, LLC
 FRN - F-14256

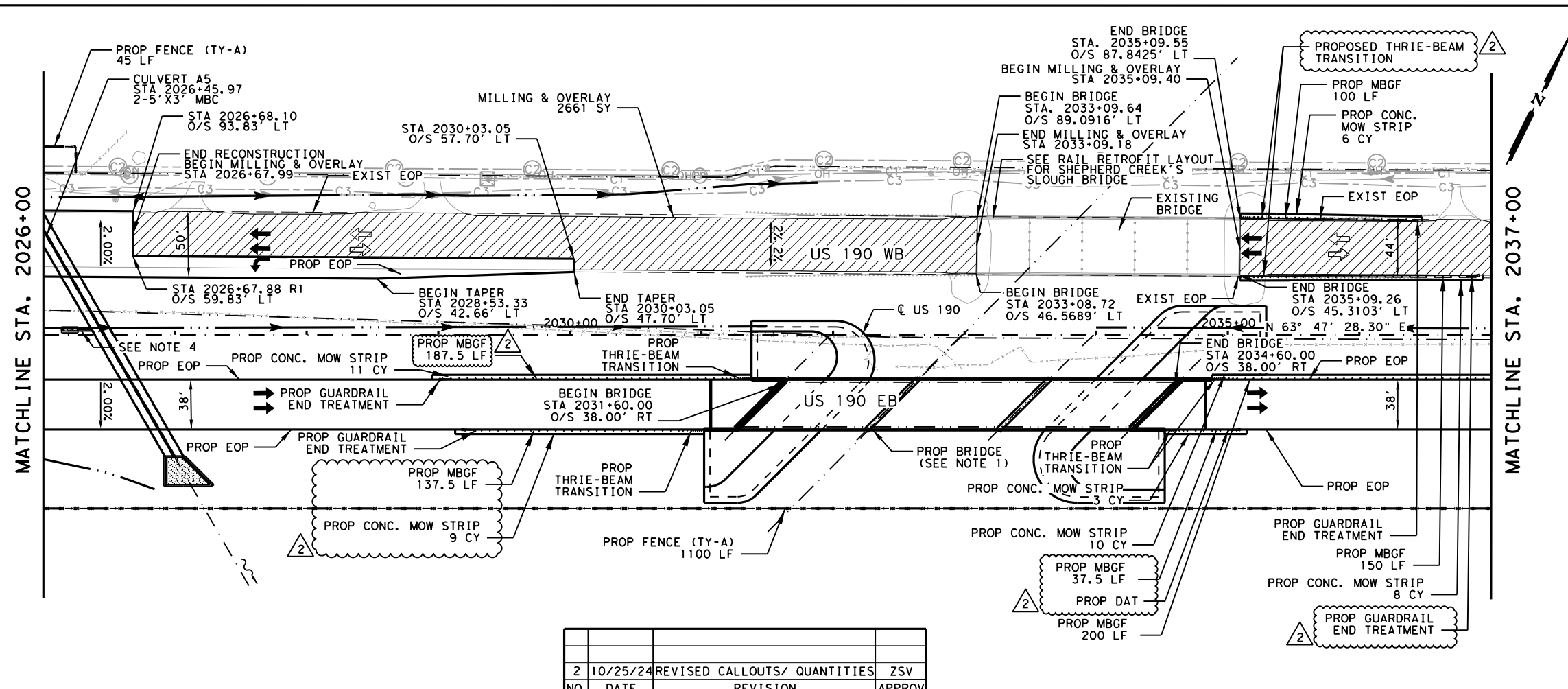
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2004+00 TO STA 2015+00

SHEET 12 OF 69

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	653
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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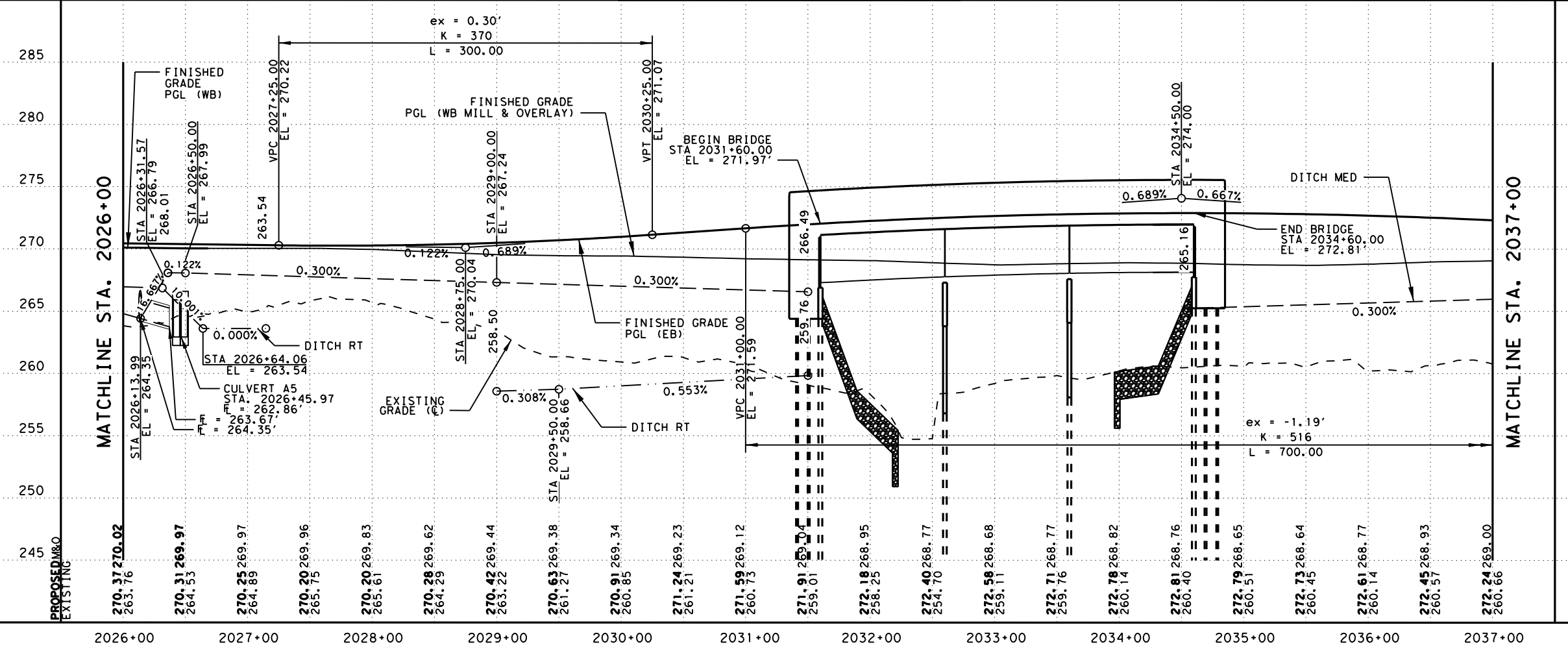
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- PROPOSED FENCE
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- EXISTING DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED CALLOUTS/ QUANTITIES	ZSV



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

FOR ALL DESIGN EXCEPT DRAINAGE	FOR DRAINAGE DESIGN ONLY
<i>Zachary S. Vermillion</i>	<i>Laura M. Friello</i>
6/20/2024	6/20/2024

LJA Program Management, LLC
 FRN - F-14256

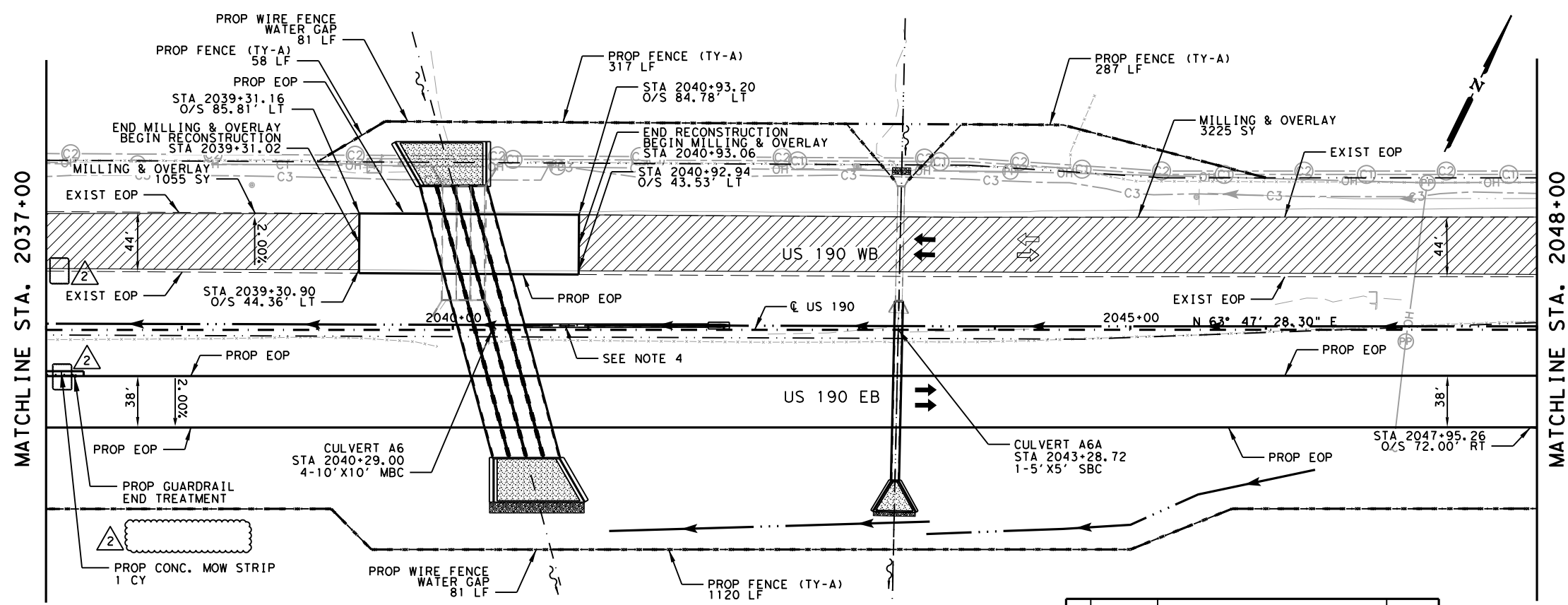
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2026+00 TO STA 2037+00

SHEET 14 OF 69

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	655
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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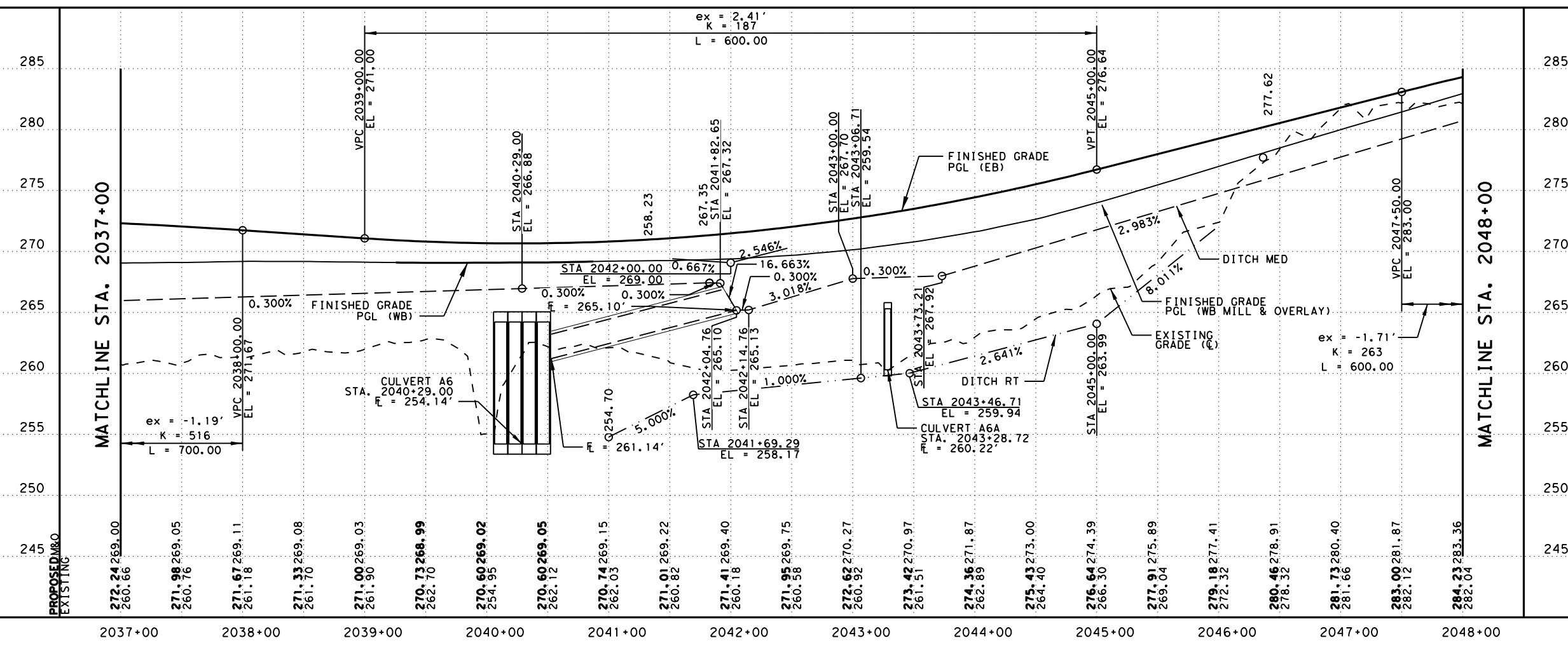
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- ▨ WOTUS PERMIT LIMITS
- ▨ MILL AND OVERLAY
- ▨ CONCRETE RIPRAP
- ▨ STONE PROTECTION RIPRAP
- PROPOSED FENCE
- EXISTING FENCE
- OHT EXISTING OVERHEAD TELECOM
- UGT EXISTING UNDERGROUND TELECOM
- ← EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- EXISTING DITCH
- BORING

NOTE:

- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED CALLOUTS/ LEADERS	ZSV



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

FOR ALL DESIGN EXCEPT DRAINAGE	FOR DRAINAGE DESIGN ONLY
<i>Zachary S. Vermillion</i>	<i>Laura M. Friello</i>
6/20/2024	6/20/2024

LJA Program Management, LLC
 FRN - F-14256

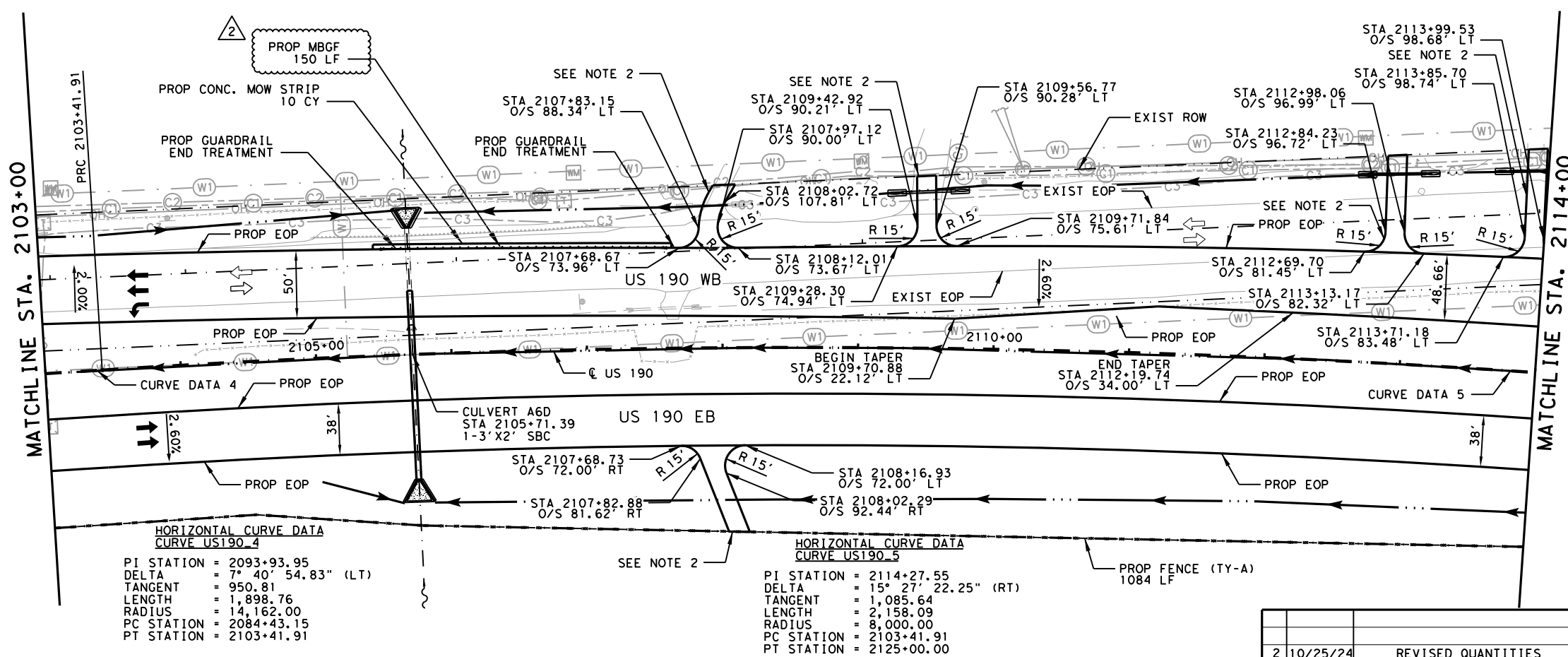
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2037+00 TO STA 2048+00

SHEET 15 OF 69

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	656
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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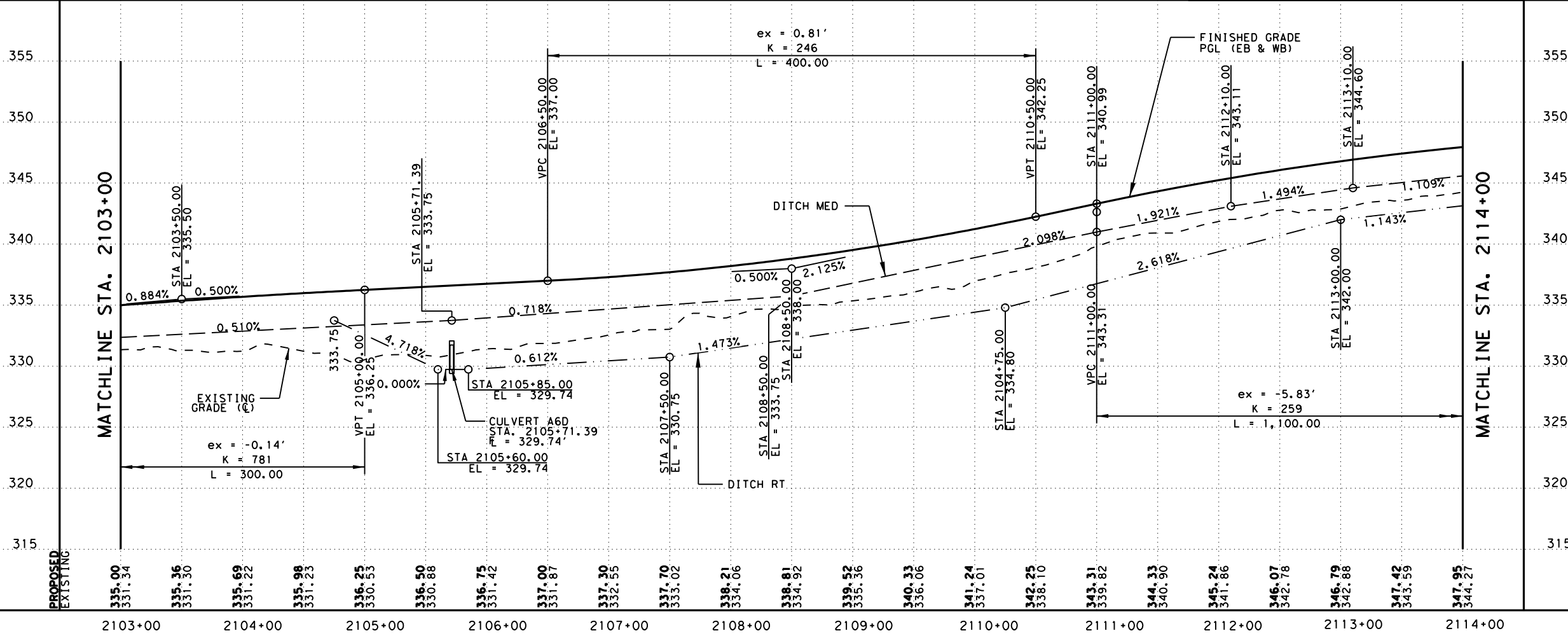
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- PROPOSED FENCE
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- EXISTING DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	ZSV



0 50' 100'
H SCALE: 1" = 100'
V SCALE: 1" = 10'

FOR ALL DESIGN EXCEPT DRAINAGE	FOR DRAINAGE DESIGN ONLY
Zachary S. Vermillion 6/20/2024	Laura M. Friello 6/20/2024

LJA Program Management, LLC
FRN - F-14256

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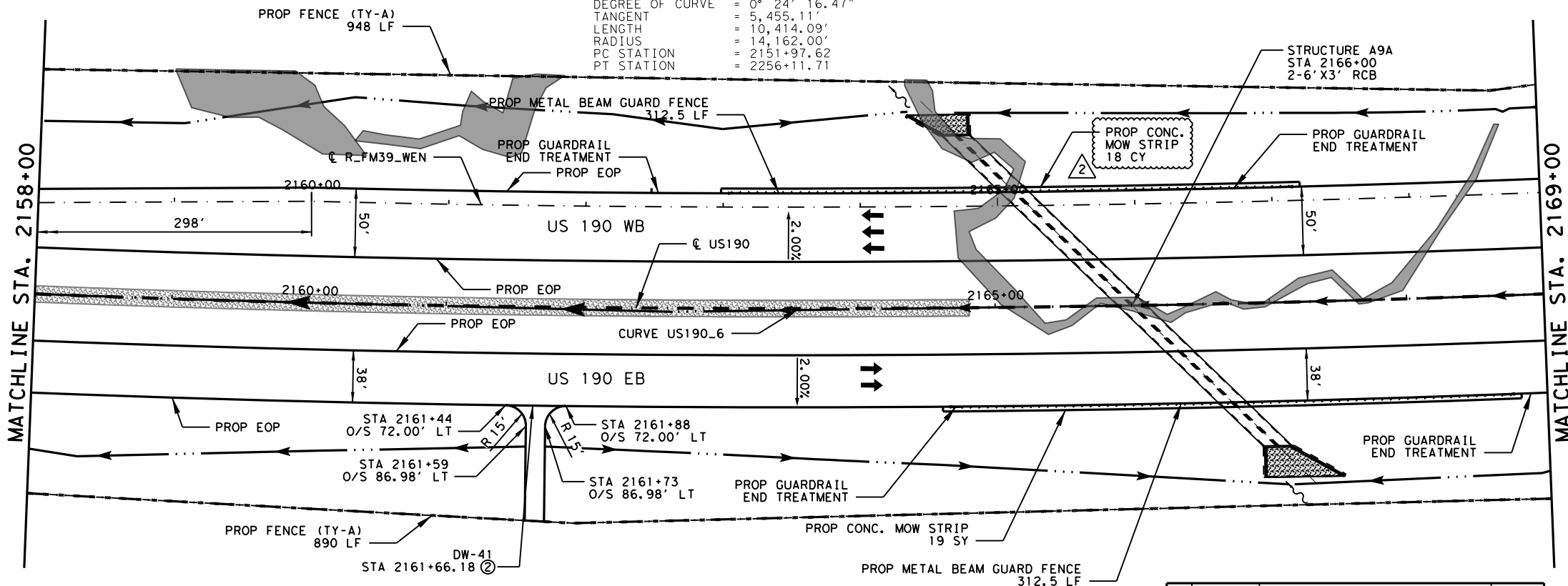
US 190
ROADWAY PLAN AND PROFILE
STA 2103+00 TO STA 2114+00
SHEET 21 OF 69

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	662
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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HORIZONTAL CURVE DATA
 CURVE US190_6

PI STATION = 2206+52.73
 DELTA = 42° 07' 57.71" (LT)
 DEGREE OF CURVE = 0° 24' 16.47"
 TANGENT = 5,455.11'
 LENGTH = 10,414.09'
 RADIUS = 14,162.00'
 PC STATION = 2151+97.62
 PT STATION = 2256+11.71



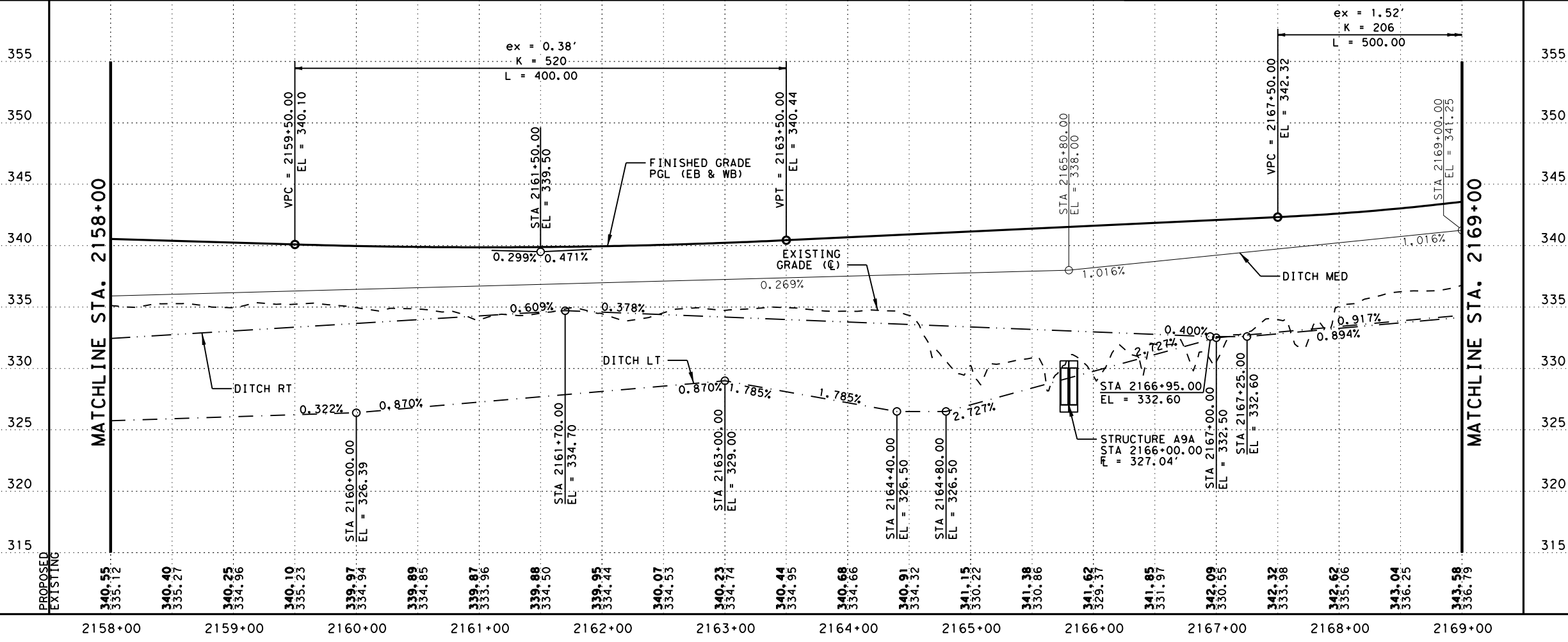
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- ▨ MILL AND OVERLAY
- ▩ CONCRETE RIPRAP
- ▩ STONE PROTECTION RIPRAP
- EXISTING FENCE
- OHT EXISTING OVERHEAD TELECOM
- UGT EXISTING UNDERGROUND TELECOM
- ← EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- ~ FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- 2) SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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 Texas Department of Transportation

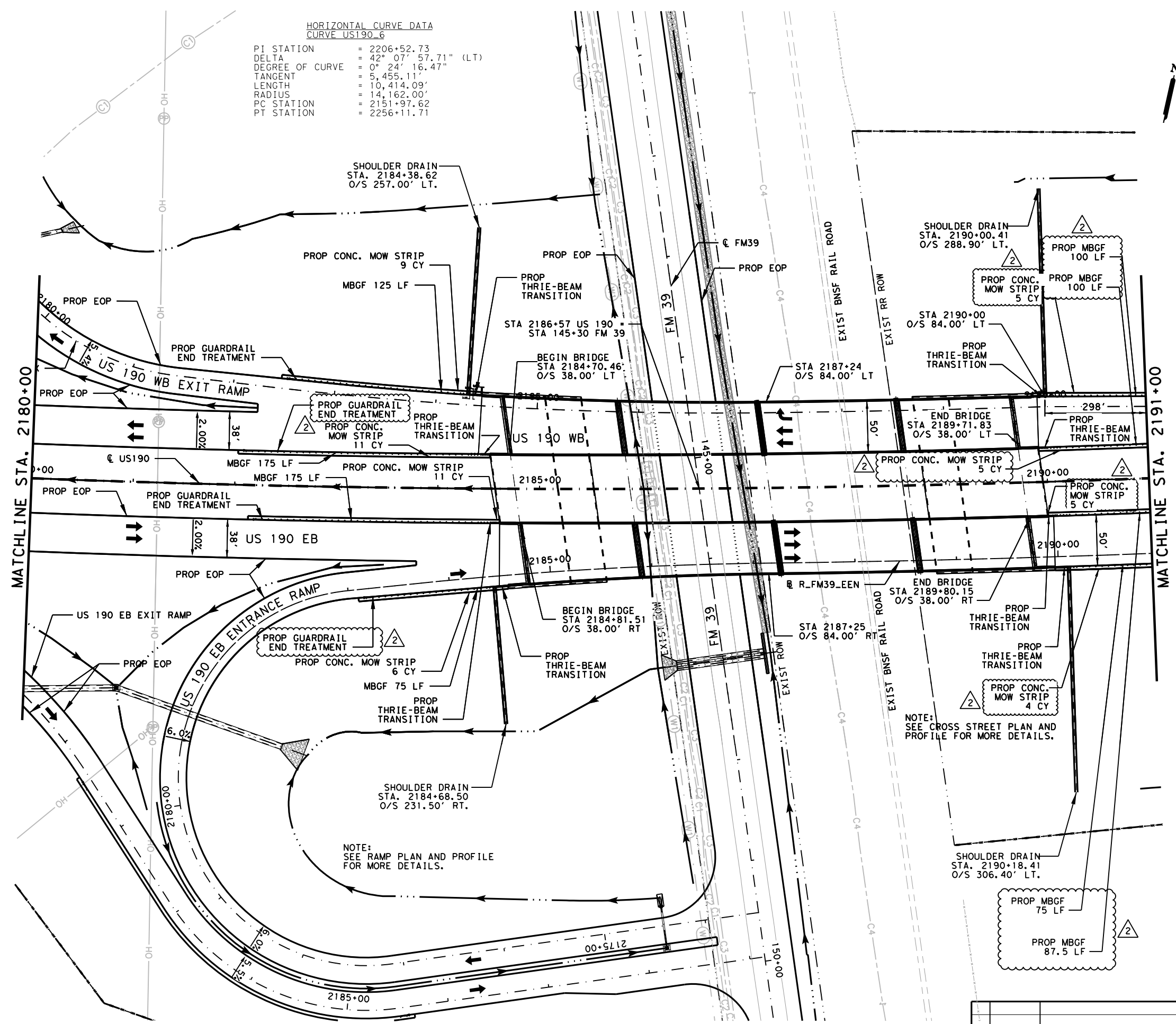
US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2158+00 TO STA 2169+00
 SHEET 26 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	667

STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

DATE: 10/28/2024 11:40:05 AM
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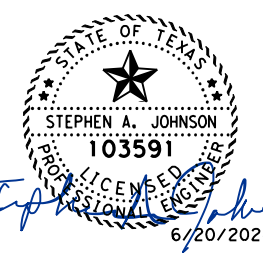
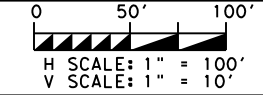
HORIZONTAL CURVE DATA
 CURVE US190_6
 PI STATION = 2206+52.73
 DELTA = 42° 07' 57.71" (LT)
 DEGREE OF CURVE = 0° 24' 16.47"
 TANGENT = 5,455.11'
 LENGTH = 10,414.09'
 RADIUS = 14,162.00'
 PC STATION = 2151+97.62
 PT STATION = 2256+11.71



LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- OHT - EXISTING OVERHEAD TELECOM
- UGT - EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
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- 4) SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
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GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

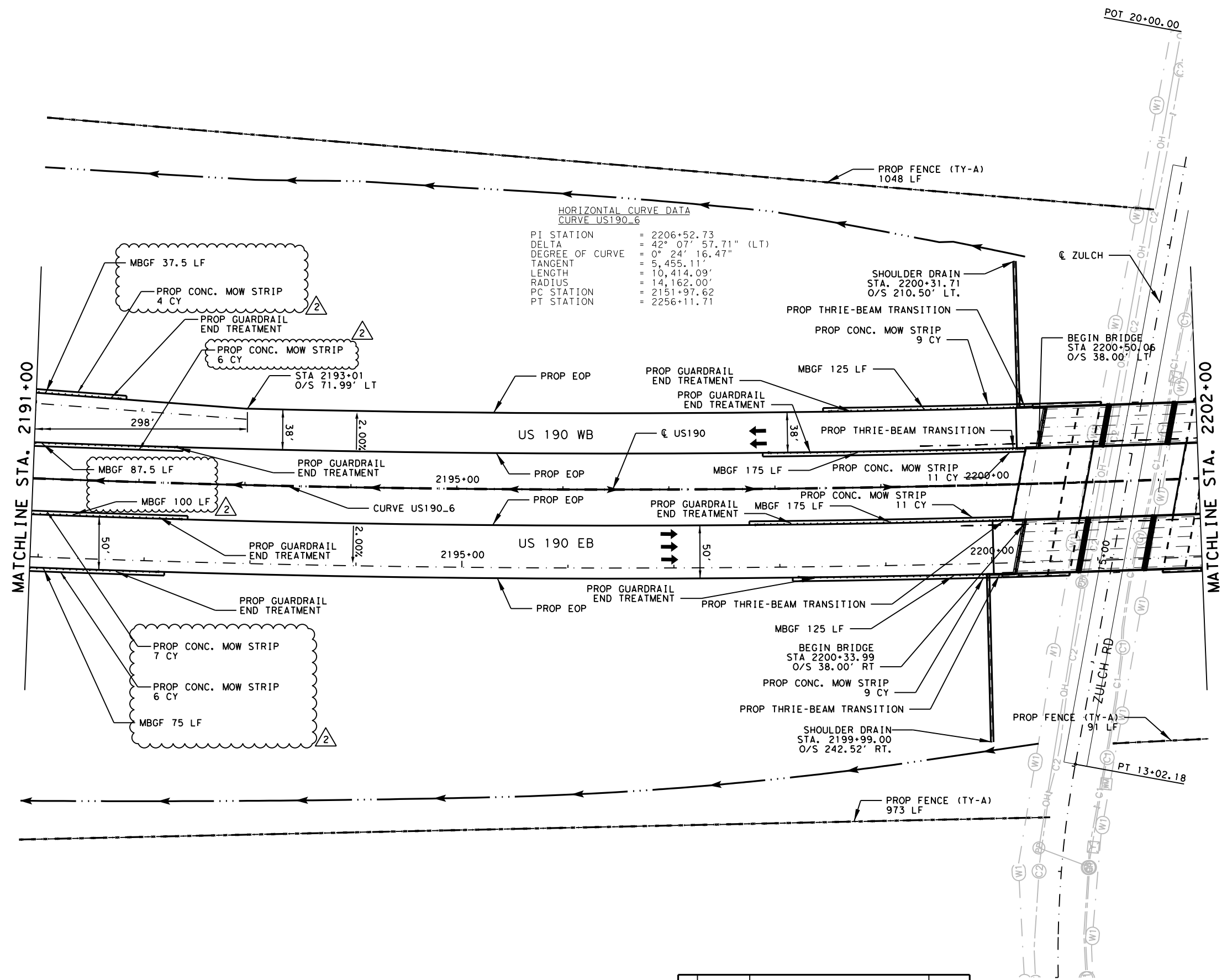


US 190
ROADWAY
PLAN AND PROFILE
 STA 2180+00 TO STA 2191+00
 SHEET 29 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	670
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED CALLOUTS/ QUANTITIES	SAJ

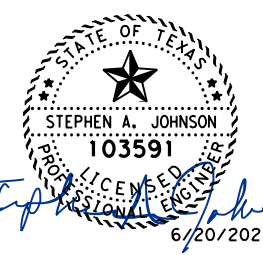
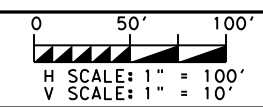
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HORIZONTAL CURVE DATA
 CURVE US190_6
 PI STATION = 2206+52.73
 DELTA = 42° 07' 57.71" (LT)
 DEGREE OF CURVE = 0° 24' 16.47"
 TANGENT = 5,455.11'
 LENGTH = 10,414.09'
 RADIUS = 14,162.00'
 PC STATION = 2151+97.62
 PT STATION = 2256+11.71

- LEGEND:**
- EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - EXISTING RIGHT-OF-WAY
 - PROPOSED RIGHT-OF-WAY
 - ▭ WOTUS PERMIT LIMITS
 - ▨ MILL AND OVERLAY
 - ▩ CONCRETE RIPRAP
 - ▧ STONE PROTECTION RIPRAP
 - EXISTING FENCE
 - OHT — EXISTING OVERHEAD TELECOM
 - UGT — EXISTING UNDERGROUND TELECOM
 - ← EXISTING DIRECTION OF TRAFFIC
 - PROPOSED DIRECTION OF TRAFFIC
 - ~ FLOW ARROW
 - PROPOSED DITCH
 - ⊙ BORING

- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- 2) SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
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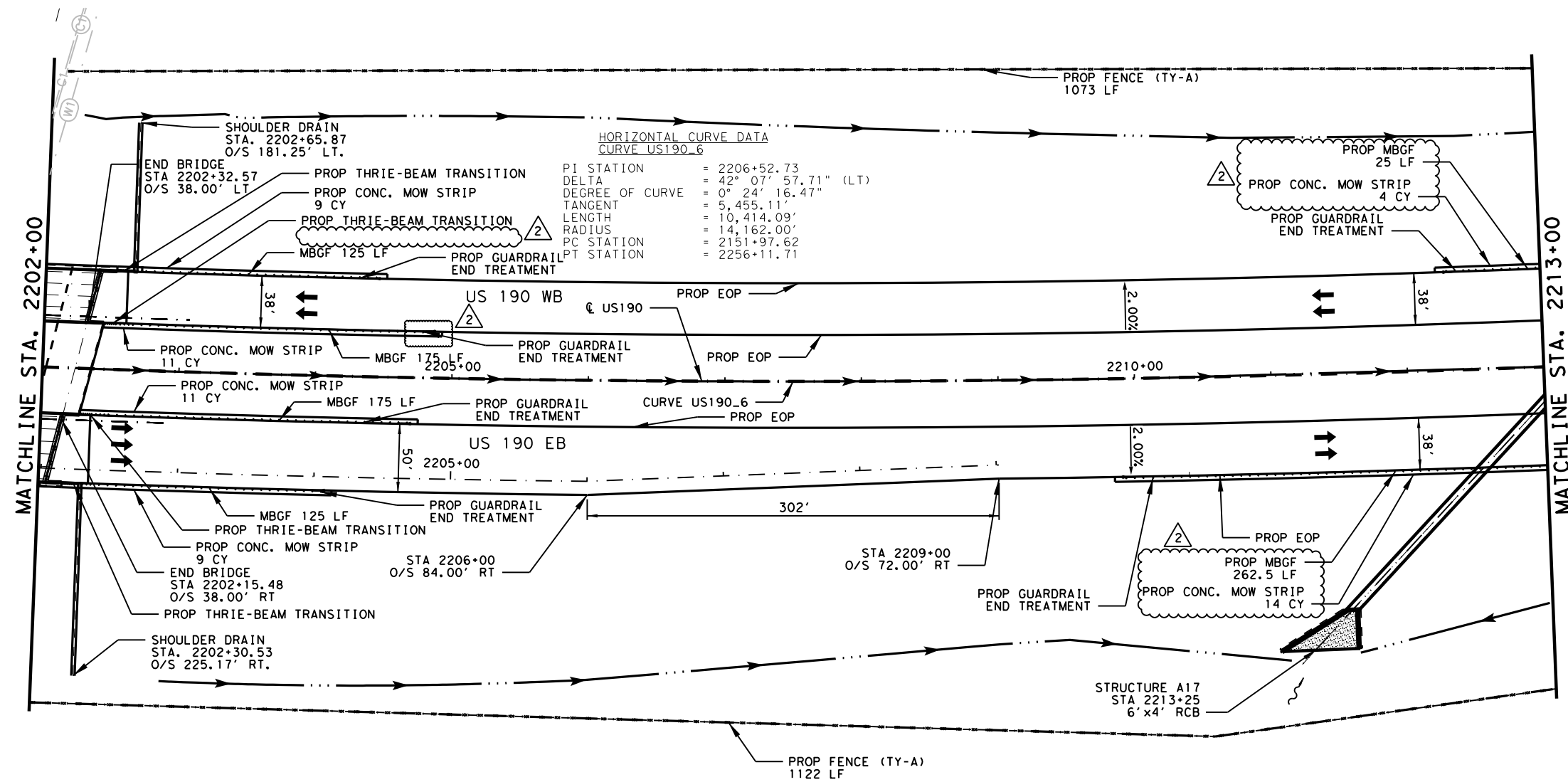


US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2191+00 TO STA 2202+00
 SHEET 31 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		672
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

2	10/25/24	REVISED QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

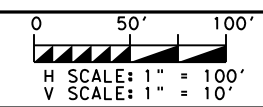
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LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

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 Austin, TX 78704
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 TBPELS Firm 5713



US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2202+00 TO STA 2213+00
 SHEET 33 OF 89

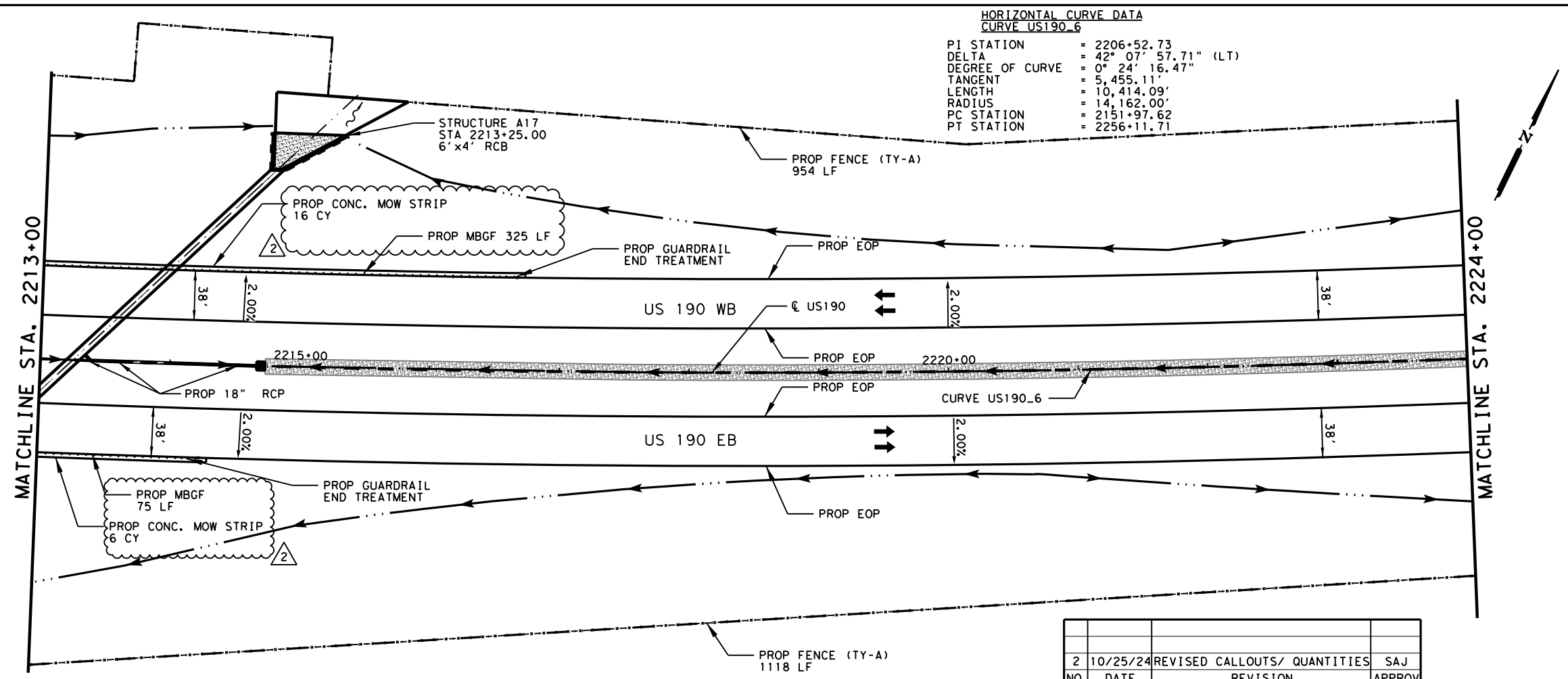
FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		674
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED CALLOUTS/ QUANTITIES	SAJ

DATE: 10/28/2024 11:40:28 AM
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HORIZONTAL CURVE DATA
 CURVE US190_6

PI STATION	= 2206+52.73
DELTA	= 42° 07' 57.71" (LT)
DEGREE OF CURVE	= 0° 24' 16.47"
TANGENT	= 5,455.11'
LENGTH	= 10,414.09'
RADIUS	= 14,162.00'
PC STATION	= 2151+97.62
PT STATION	= 2256+11.71



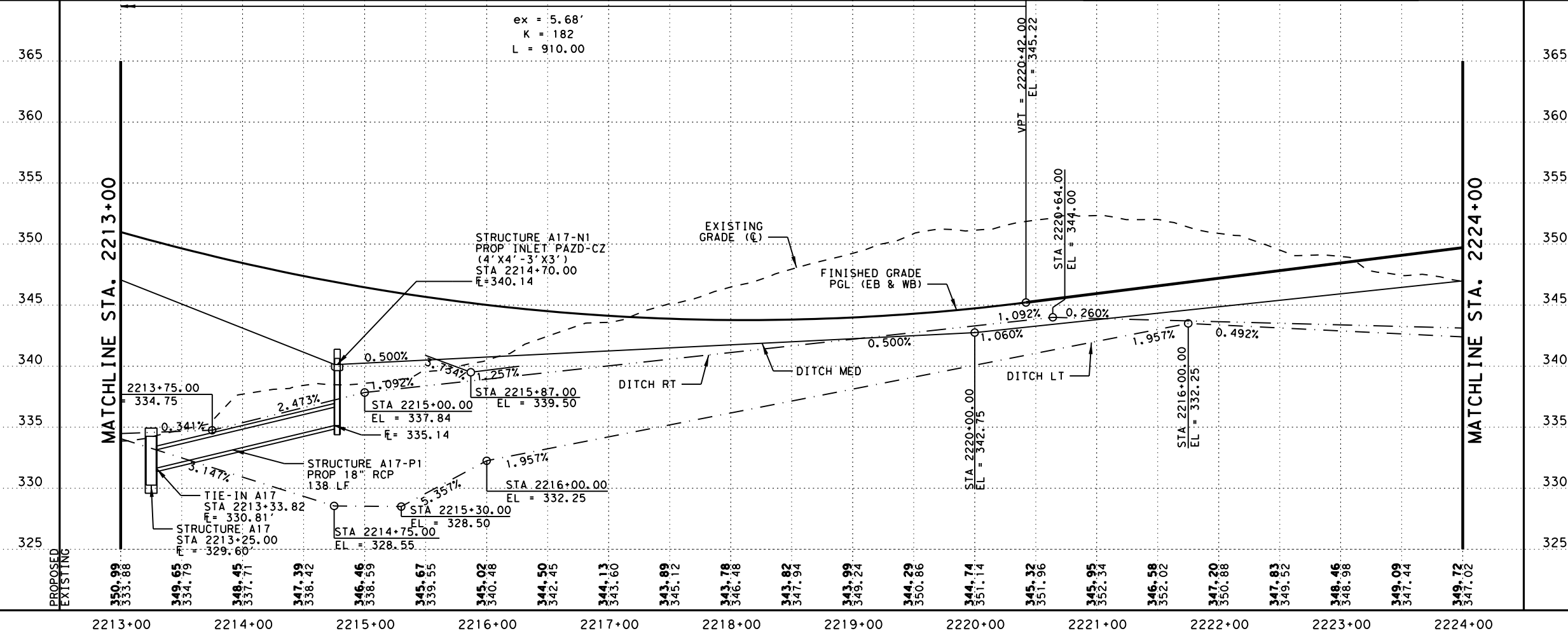
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
- SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED CALLOUTS/ QUANTITIES	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2213+00 TO STA 2224+00

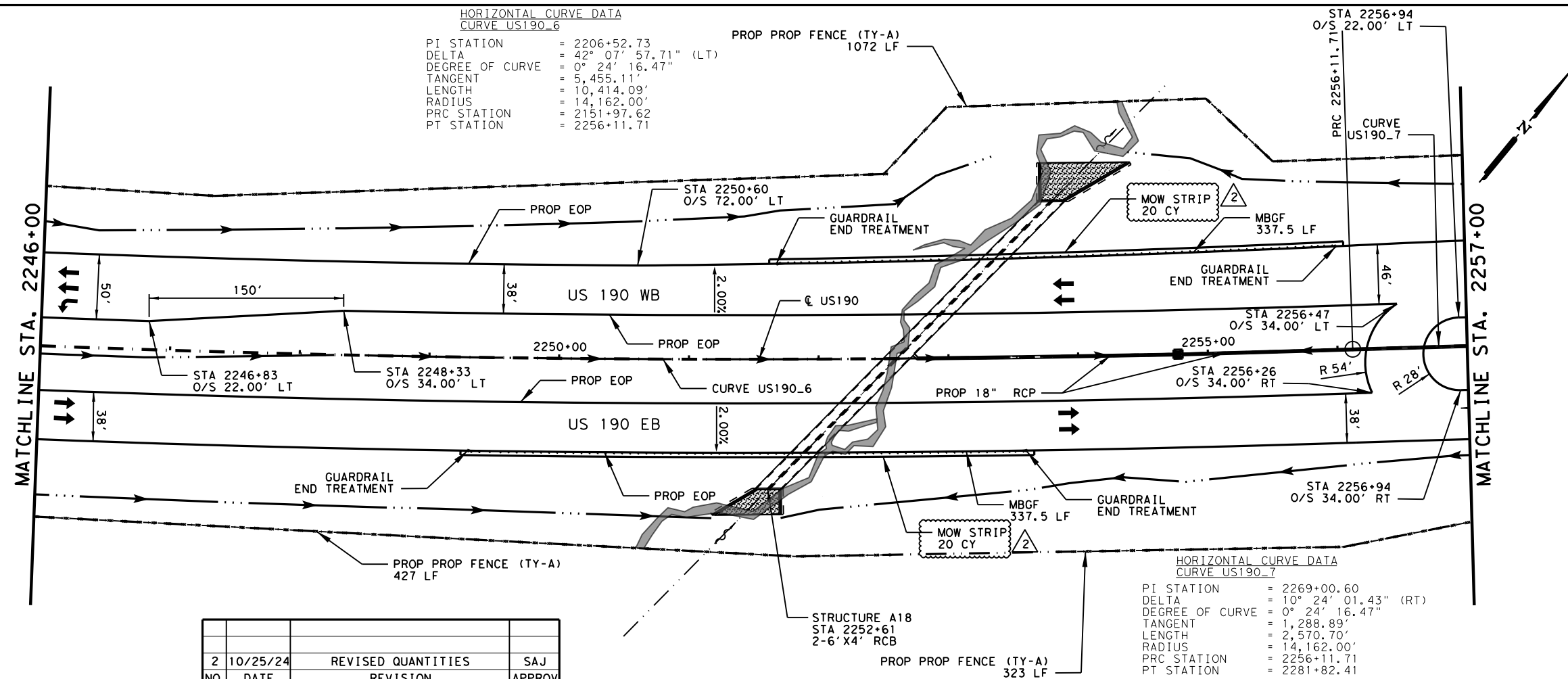
SHEET 35 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	676
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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HORIZONTAL CURVE DATA
 CURVE US190_6
 PI STATION = 2206+52.73
 DELTA = 42° 07' 57.71" (LT)
 DEGREE OF CURVE = 0° 24' 16.47"
 TANGENT = 5,455.11'
 LENGTH = 10,414.09'
 RADIUS = 14,162.00'
 PRC STATION = 2151+97.62
 PT STATION = 2256+11.71

HORIZONTAL CURVE DATA
 CURVE US190_7
 PI STATION = 2269+00.60
 DELTA = 10° 24' 01.43" (RT)
 DEGREE OF CURVE = 0° 24' 16.47"
 TANGENT = 1,288.89'
 LENGTH = 2,570.70'
 RADIUS = 14,162.00'
 PRC STATION = 2256+11.71
 PT STATION = 2281+82.41



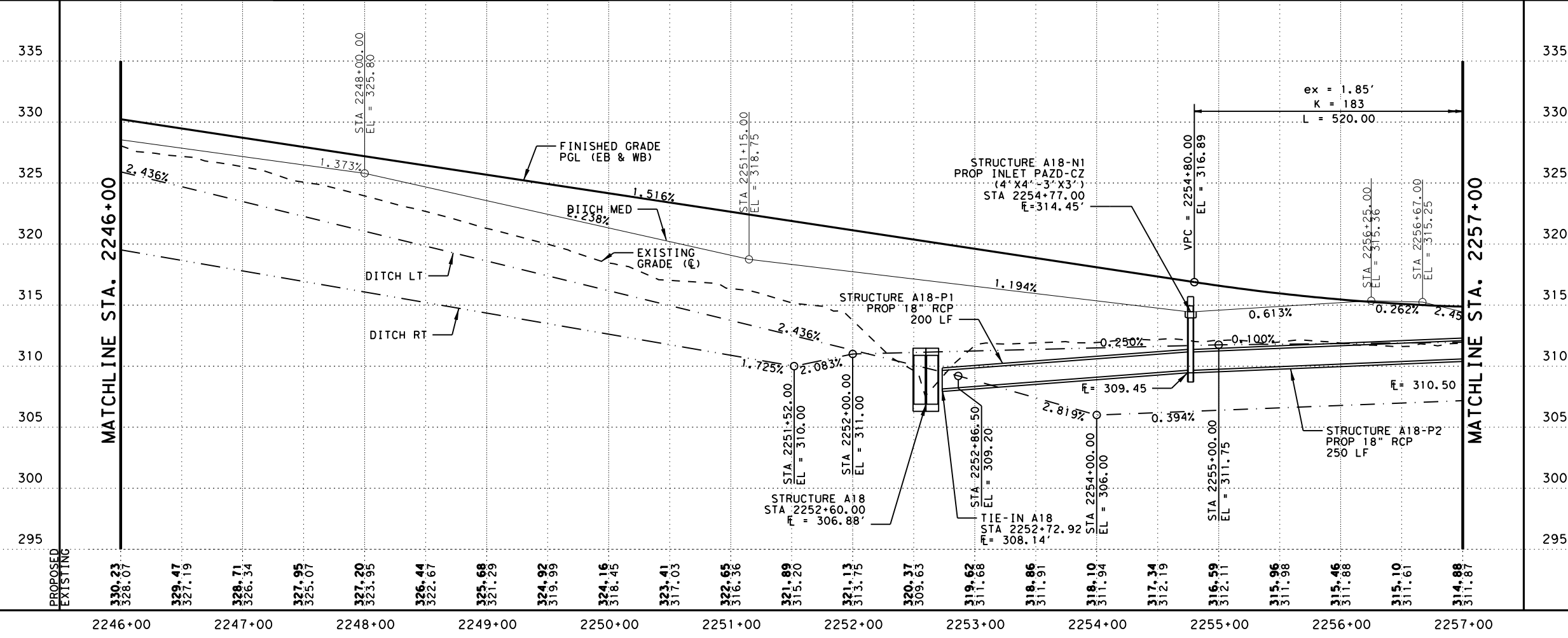
NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ

LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

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0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

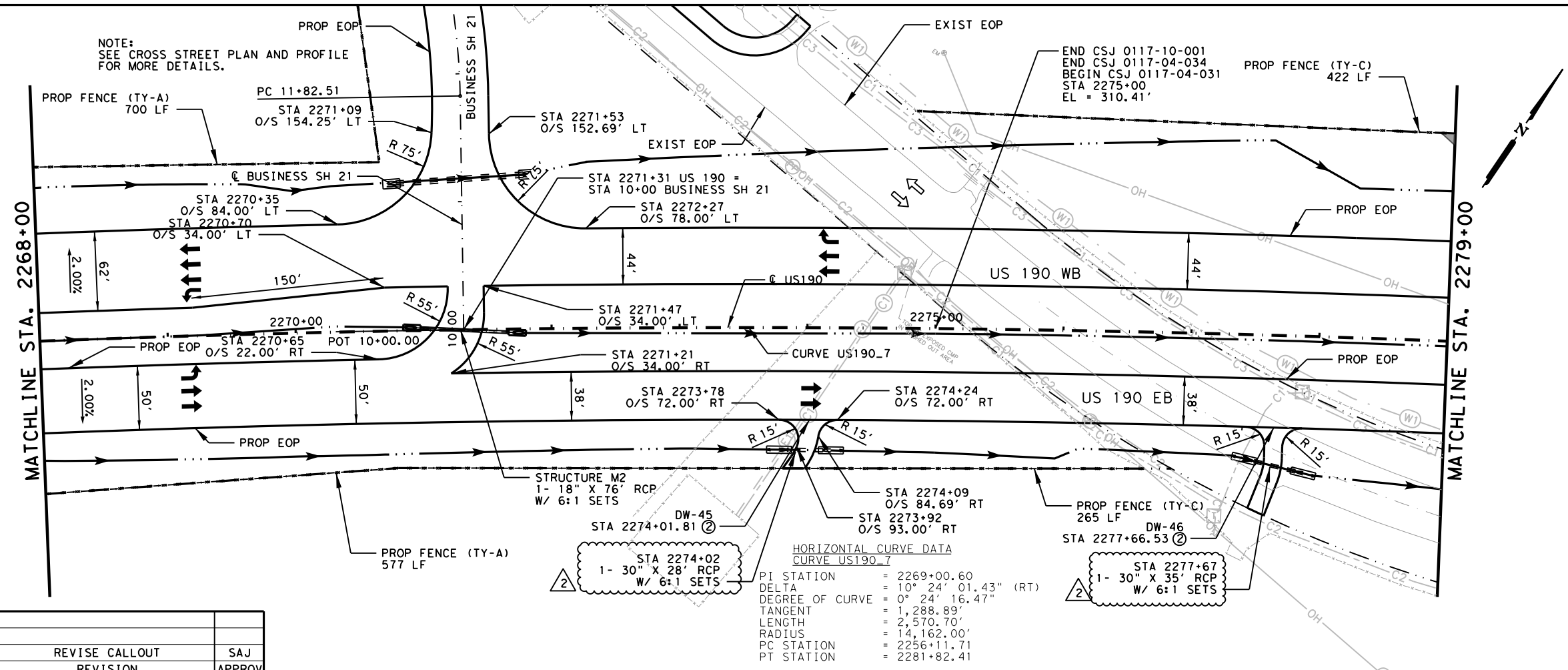
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2246+00 TO STA 2257+00
 SHEET 38 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	679
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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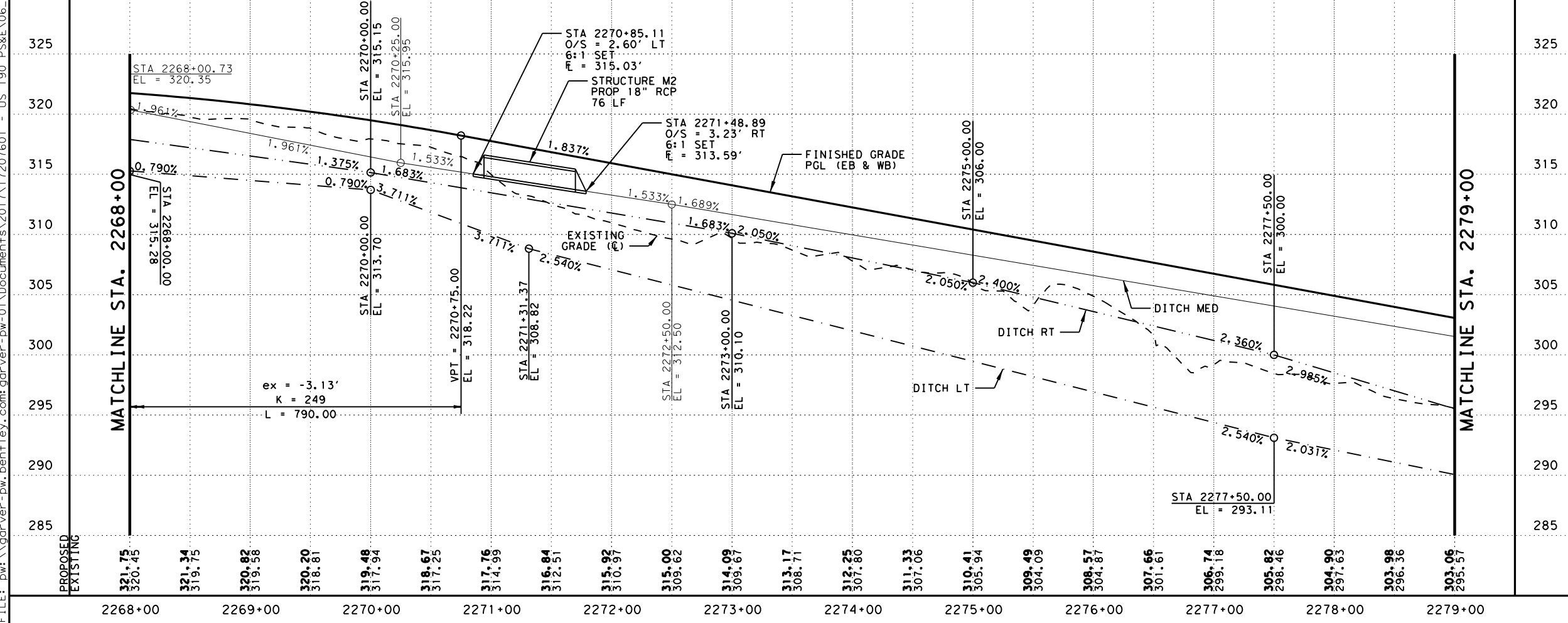
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTER/GEOMETRIC CONTROL LINES
- - - EXISTING RIGHT-OF-WAY
- - - PROPOSED RIGHT-OF-WAY
- ▭ WOTUS PERMIT LIMITS
- ▨ MILL AND OVERLAY
- ▩ CONCRETE RIPRAP
- ▩ STONE PROTECTION RIPRAP
- EXISTING FENCE
- OHT — EXISTING OVERHEAD TELECOM
- UGT — EXISTING UNDERGROUND TELECOM
- ← EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- ~ FLOW ARROW
- - - BORING

NOTE:

- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- 2) SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- 3) SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISE CALLOUT	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
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 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2268+00 TO STA 2279+00
 SHEET 40 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	681

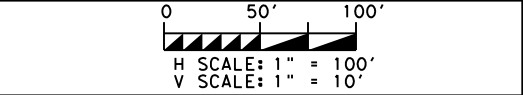
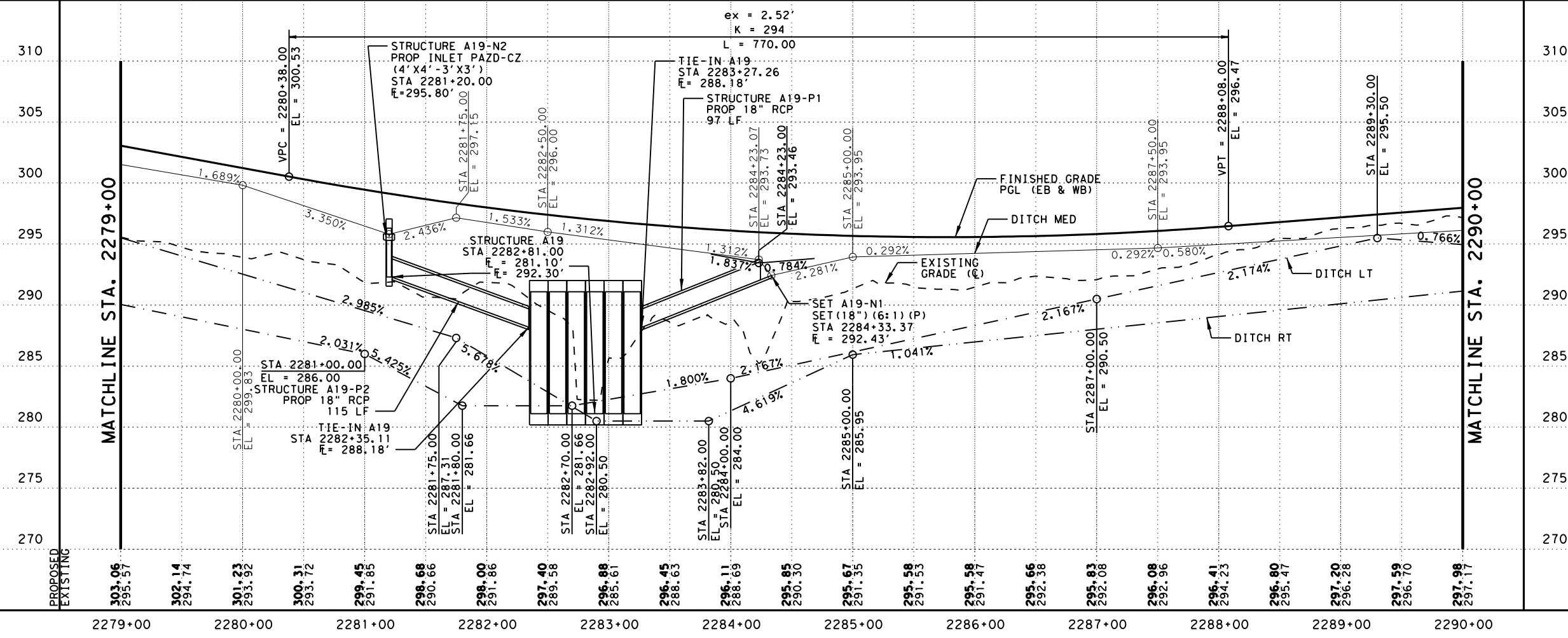
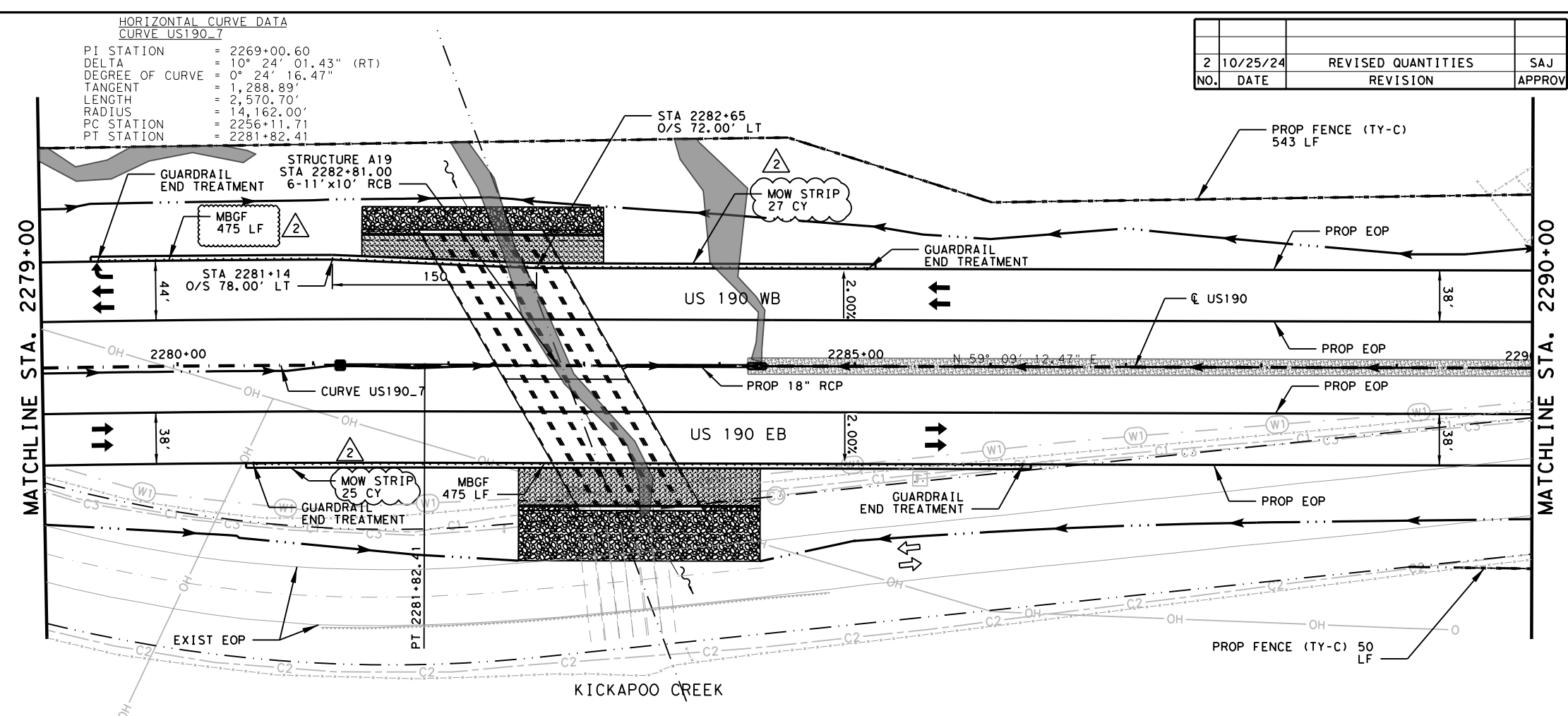
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

HORIZONTAL CURVE DATA
 CURVE_US190_7
 PI STATION = 2269+00.60
 DELTA = 10° 24' 01.43" (RT)
 DEGREE OF CURVE = 0° 24' 16.47"
 TANGENT = 1,288.89'
 LENGTH = 2,570.70'
 RADIUS = 14,162.00'
 PC STATION = 2256+11.71
 PT STATION = 2281+82.41

NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ

- LEGEND:**
- EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - EXISTING RIGHT-OF-WAY
 - PROPOSED RIGHT-OF-WAY
 - WOTUS PERMIT LIMITS
 - MILL AND OVERLAY
 - CONCRETE RIPRAP
 - STONE PROTECTION RIPRAP
 - EXISTING FENCE
 - OHT - EXISTING OVERHEAD TELECOM
 - UGT - EXISTING UNDERGROUND TELECOM
 - EXISTING DIRECTION OF TRAFFIC
 - PROPOSED DIRECTION OF TRAFFIC
 - FLOW ARROW
 - PROPOSED DITCH
 - BORING

- NOTE:**
- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
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STATE OF TEXAS
 PROFESSIONAL ENGINEER
 STEPHEN A. JOHNSON
 103591
 6/20/2024

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 (512) 485-0009
 TBPELS Firm 5713

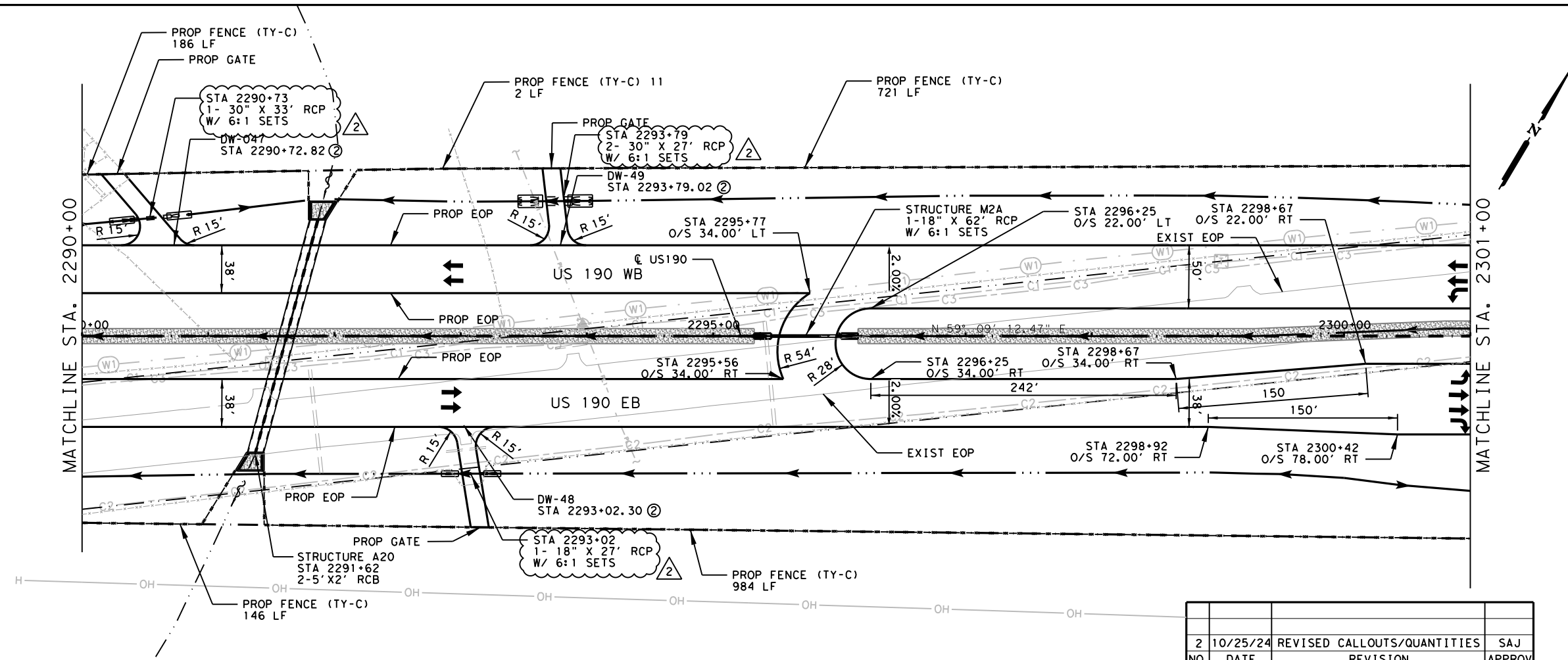
Texas Department of Transportation

US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2279+00 TO STA 2290+00
 SHEET 41 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	682
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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DATE: 10/28/2024 11:40:59 AM
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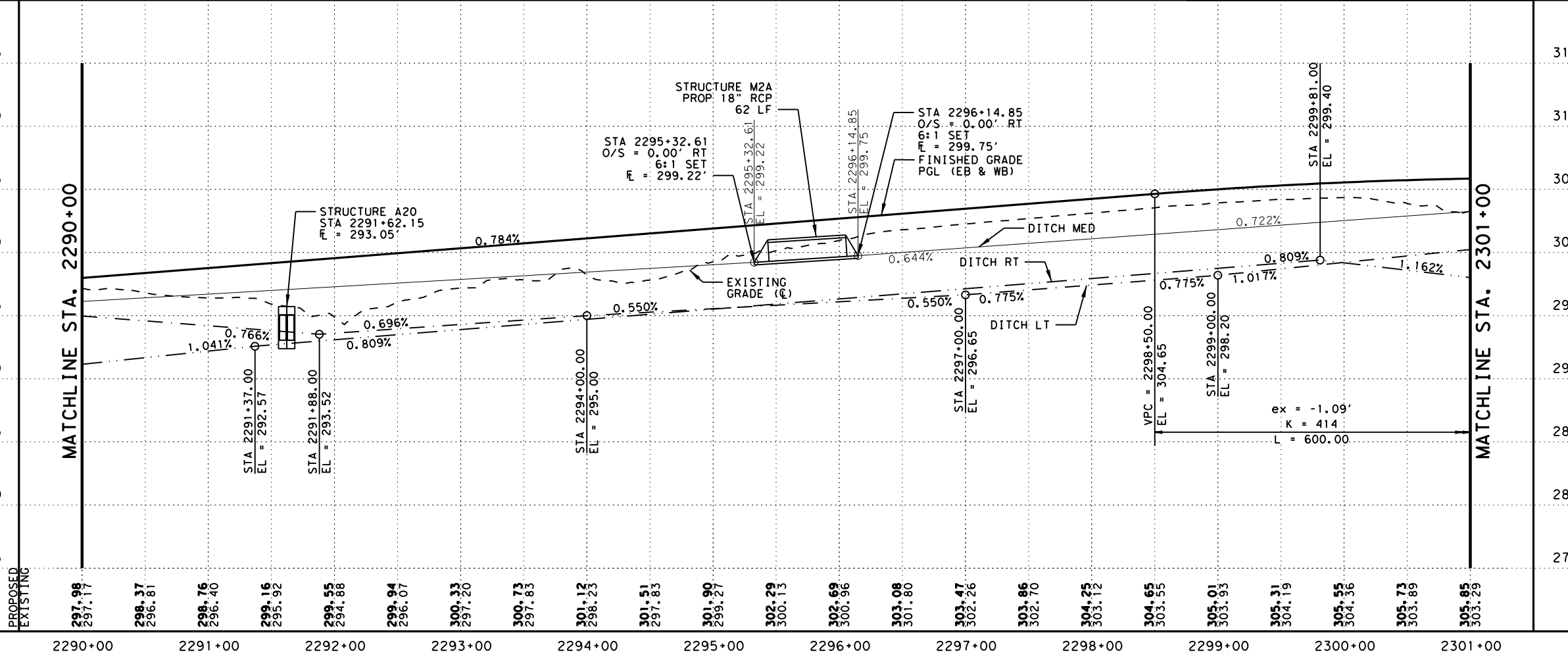
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTER/GEOMETRIC CONTROL LINES
- - - EXISTING RIGHT-OF-WAY
- - - PROPOSED RIGHT-OF-WAY
- ▭ WOTUS PERMIT LIMITS
- ▨ MILL AND OVERLAY
- ▩ CONCRETE RIPRAP
- ▩ STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- ← EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- ~ FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

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- 2) SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- 3) SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED CALLOUTS/QUANTITIES	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2290+00 TO STA 2301+00
 SHEET 42 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	683
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

HORIZONTAL CURVE DATA
 CURVE US190.8
 PI STATION = 2316+00.43
 DELTA = 37° 15' 57.53" (RT)
 DEGREE OF CURVE = 1° 41' 06.61"
 TANGENT = 1,146.41'
 LENGTH = 2,211.41'
 RADIUS = 3,400.00'
 PC STATION = 2304+54.03
 PT STATION = 2326+65.43

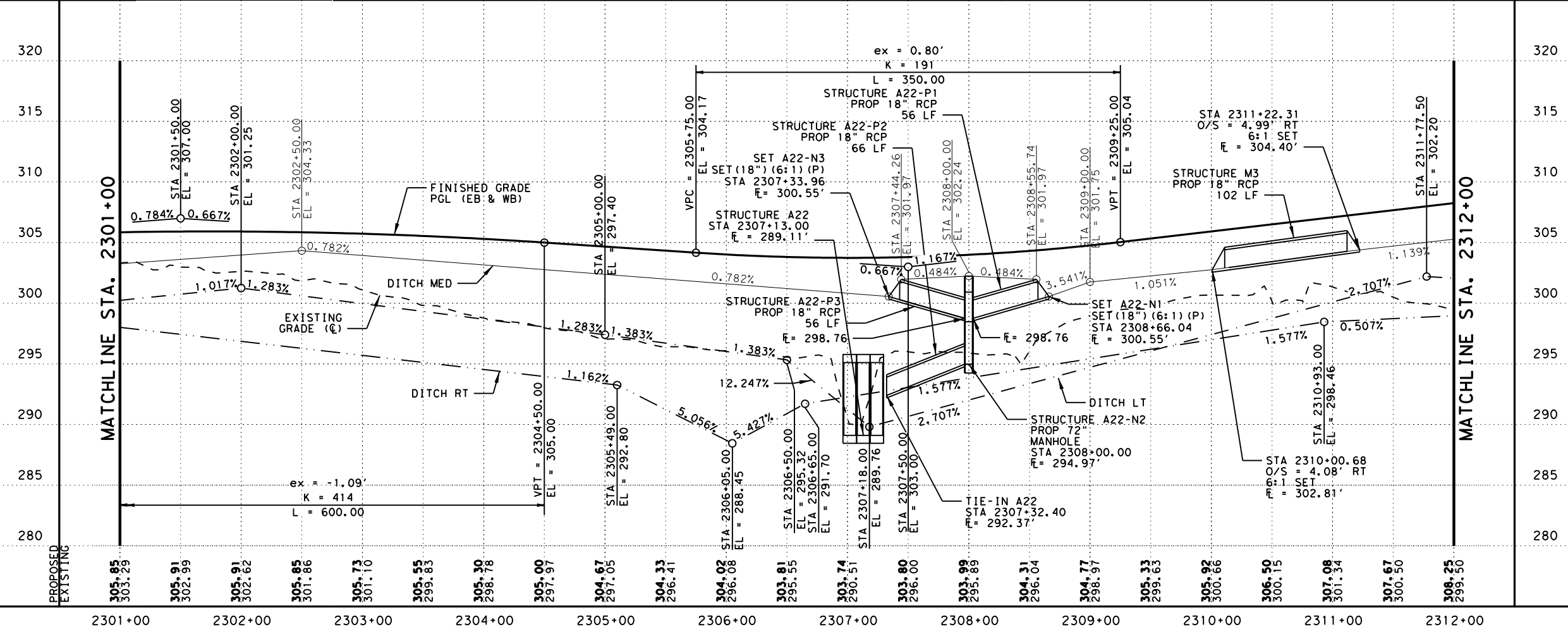
- LEGEND:**
- EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - - - EXISTING RIGHT-OF-WAY
 - - - PROPOSED RIGHT-OF-WAY
 - ▨ WOTUS PERMIT LIMITS
 - ▨ MILL AND OVERLAY
 - ▨ CONCRETE RIPRAP
 - ▨ STONE PROTECTION RIPRAP
 - EXISTING FENCE
 - OH --- EXISTING OVERHEAD TELECOM
 - UGT --- EXISTING UNDERGROUND TELECOM
 - ← EXISTING DIRECTION OF TRAFFIC
 - PROPOSED DIRECTION OF TRAFFIC
 - ~ FLOW ARROW
 - BORING

NOTE:

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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2301+00 TO STA 2312+00
 SHEET 43 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	684
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

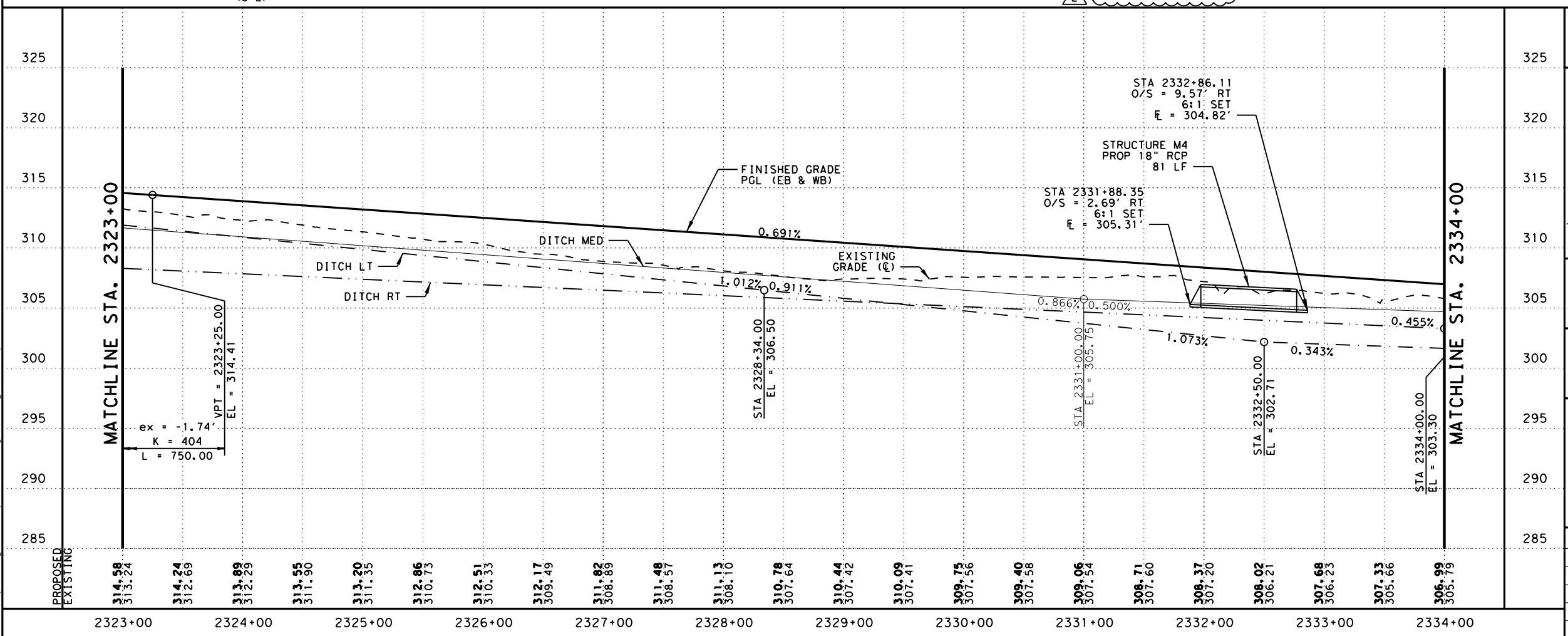
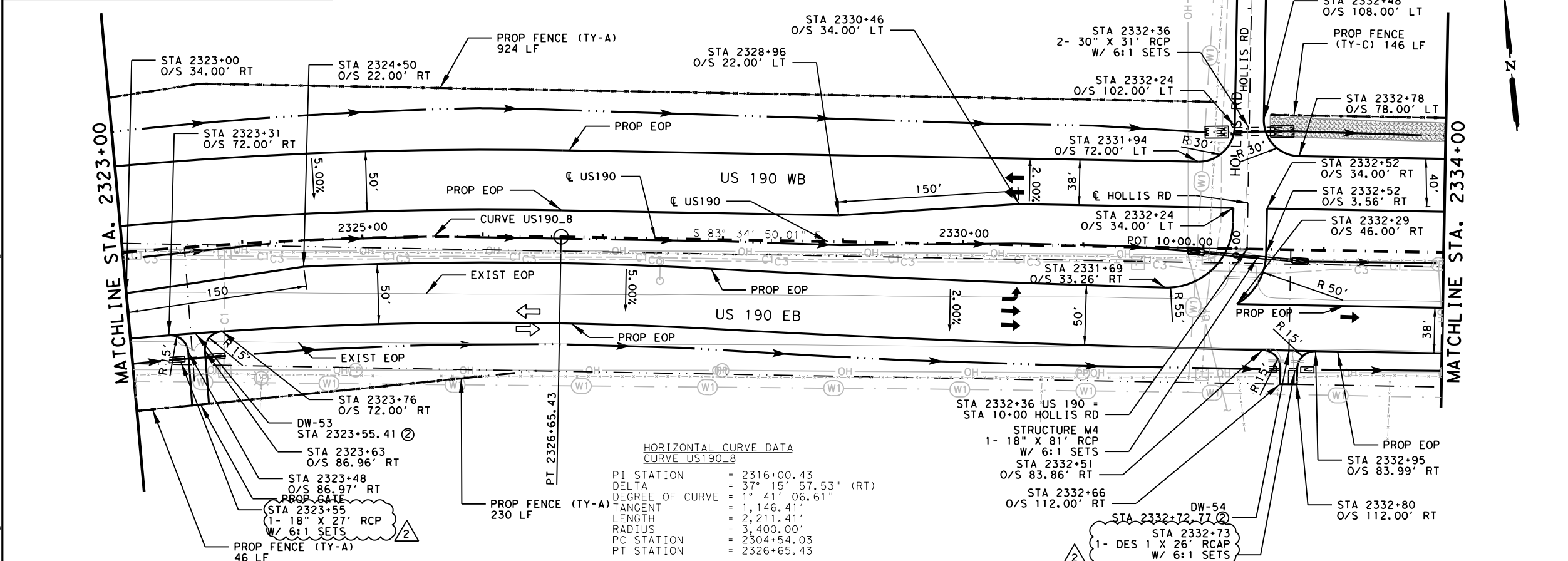
2	10/25/24	REVISED CALLOUTS/QUANTITIES	SAJ
NO.	DATE	REVISION	APPROV

LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

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0 50' 100'

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V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
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 6/20/2024

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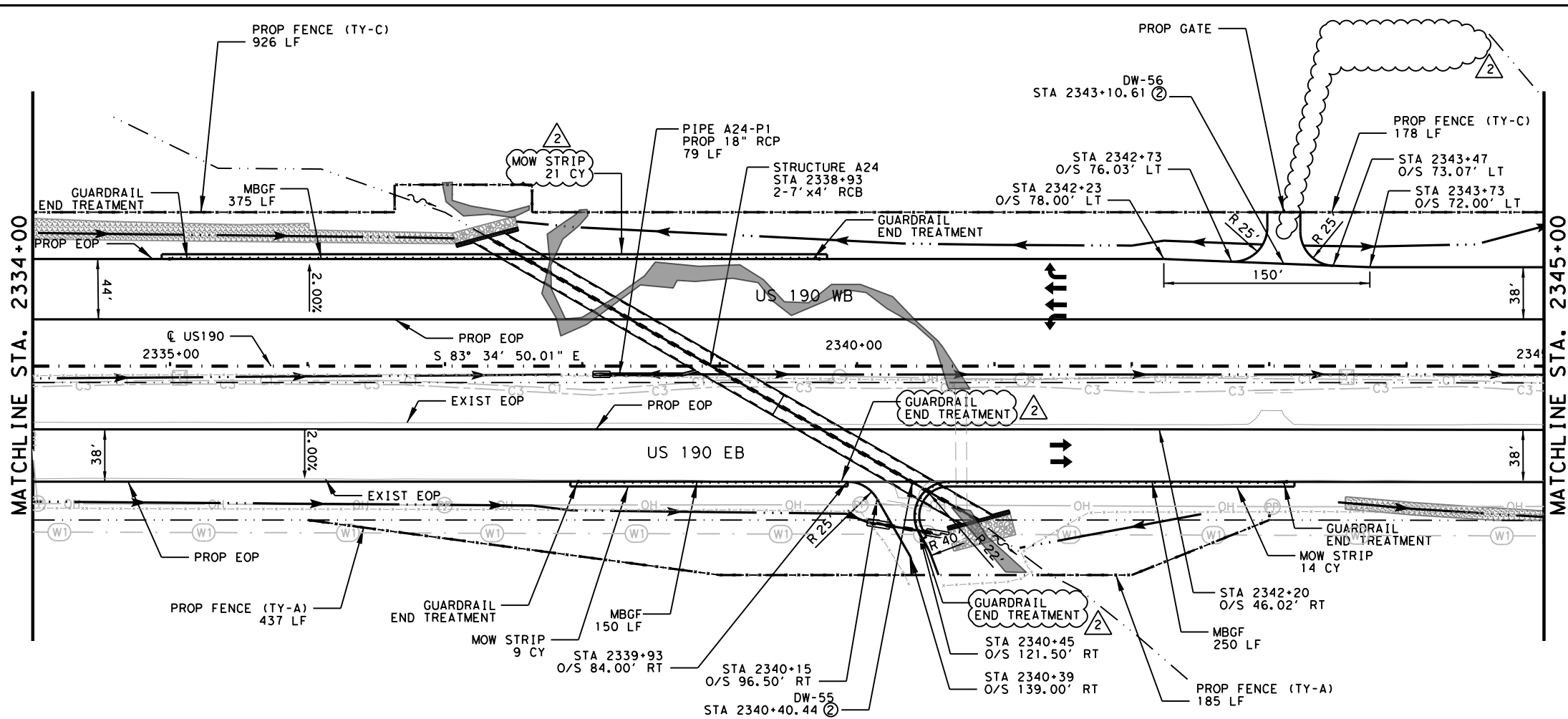
US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2323+00 TO STA 2334+00

SHEET 45 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	686
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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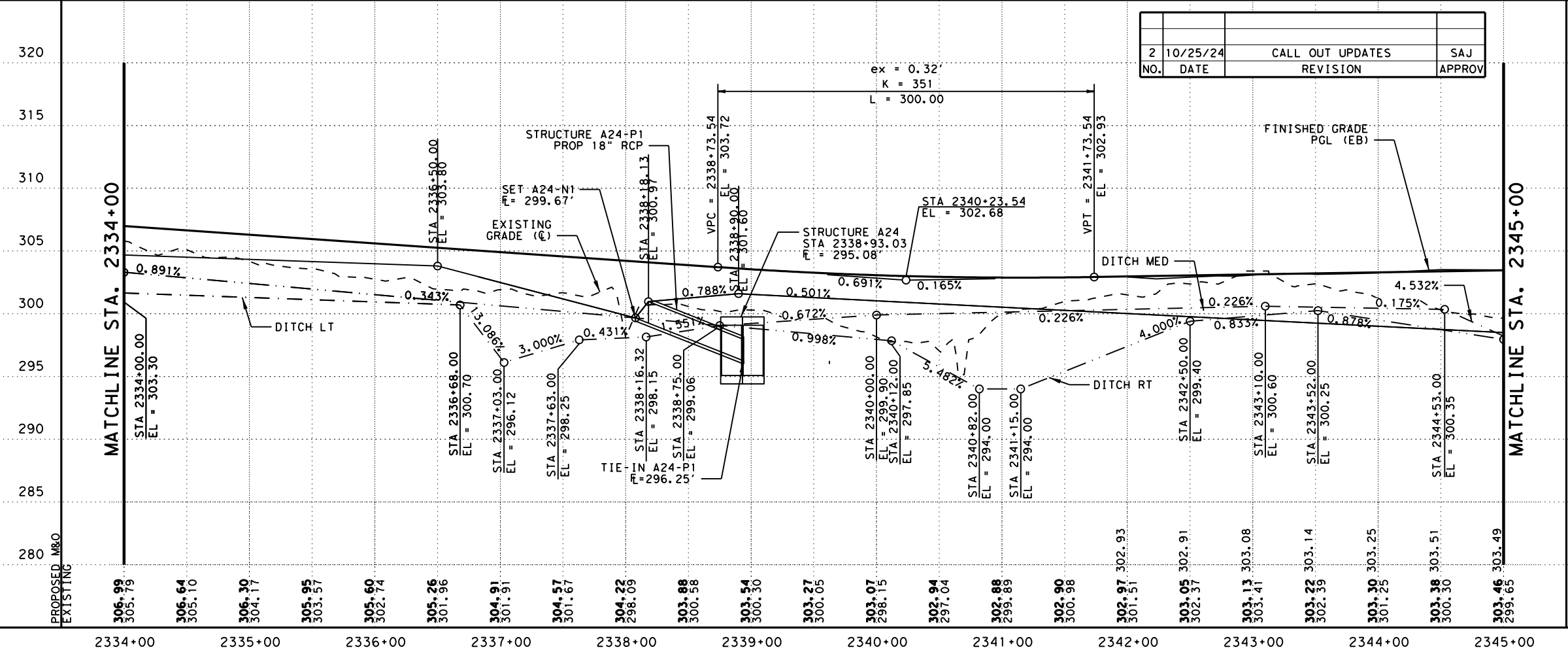


LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

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- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
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 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

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 6/20/2024

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 TBPELS Firm 5713

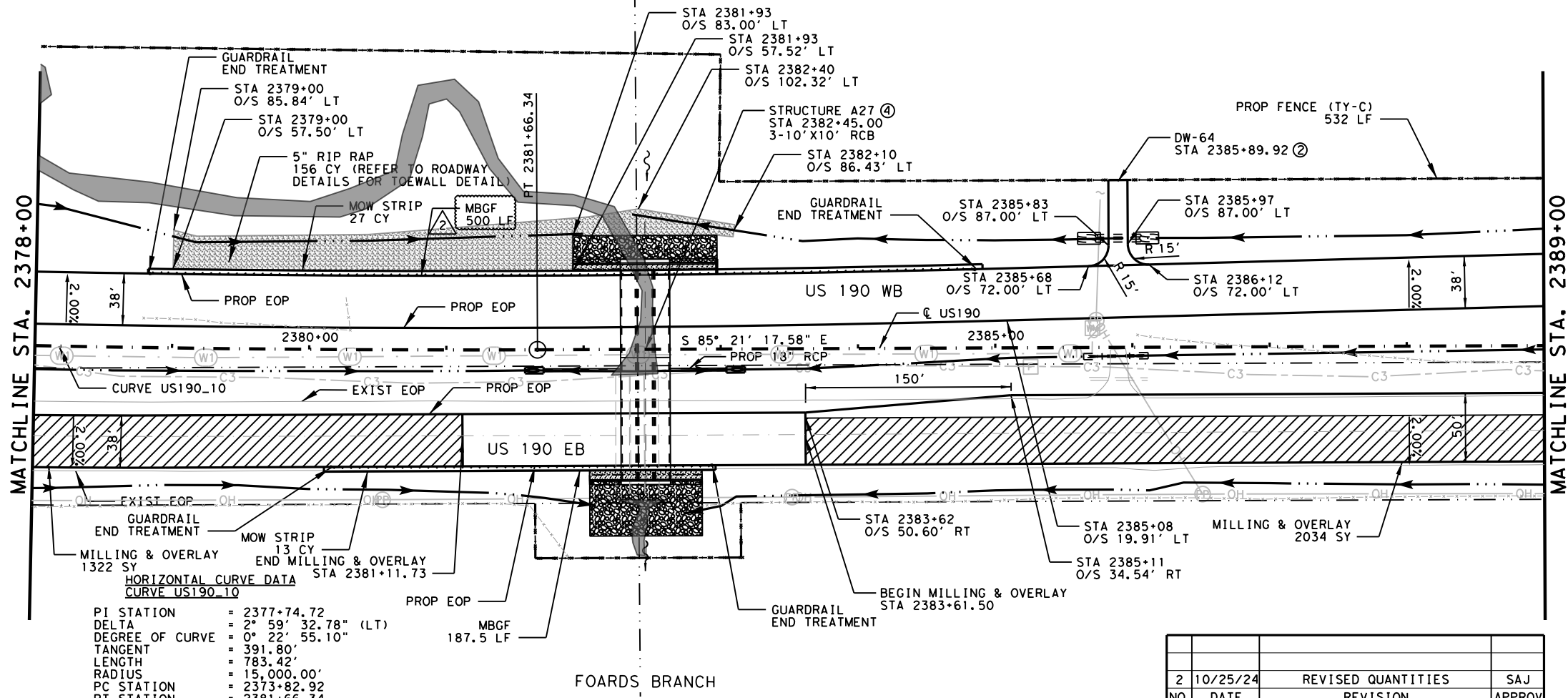
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2334+00 TO STA 2345+00

SHEET 46 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	687
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

DATE: 10/28/2024 11:41:22 AM
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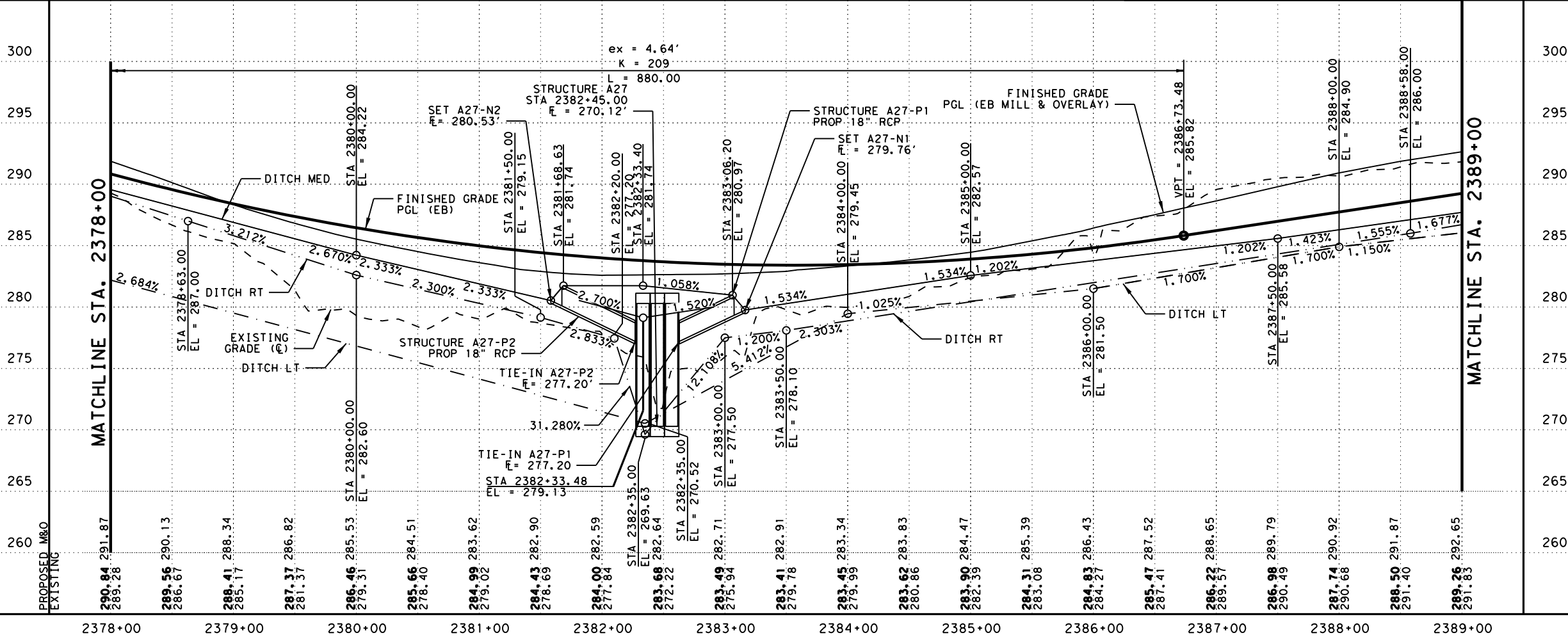
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
- SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISED QUANTITIES	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

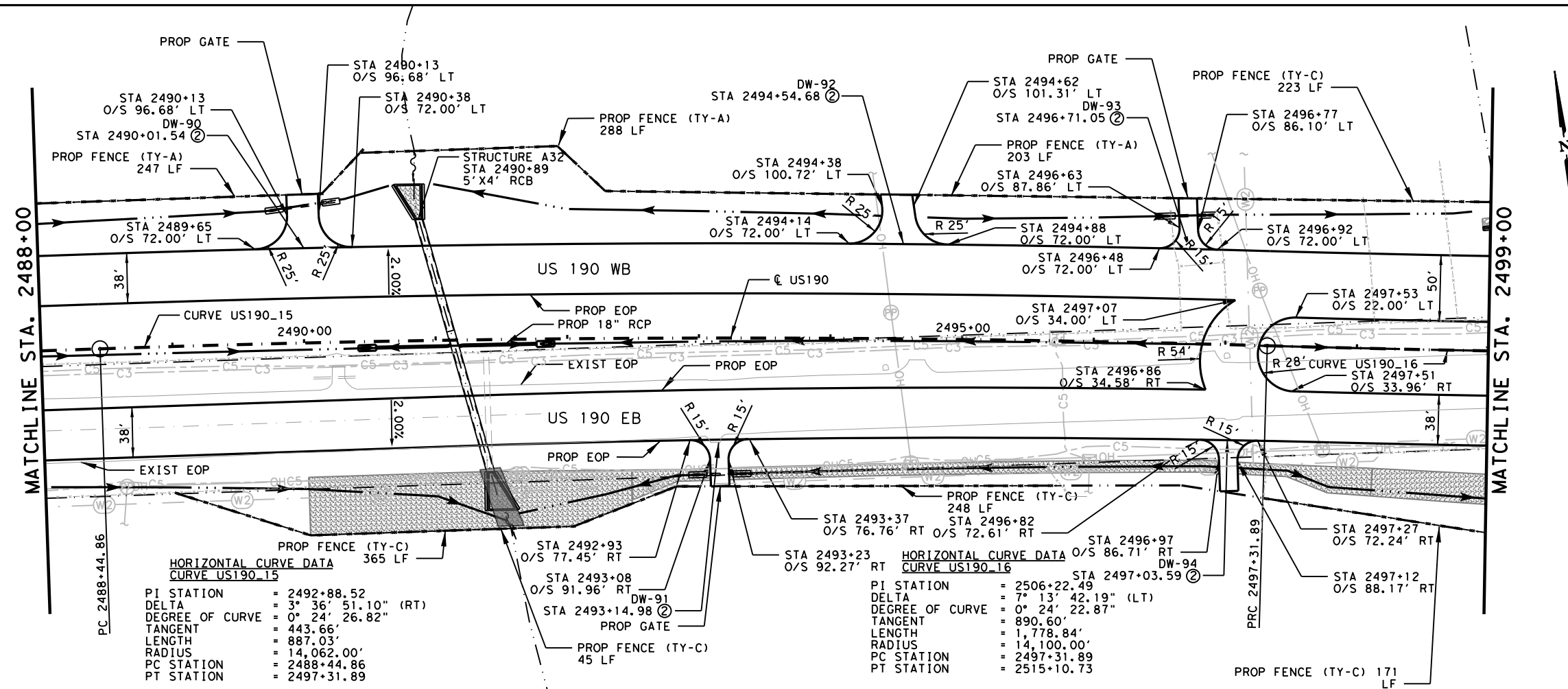
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2378+00 TO STA 2389+00

SHEET 50 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	691
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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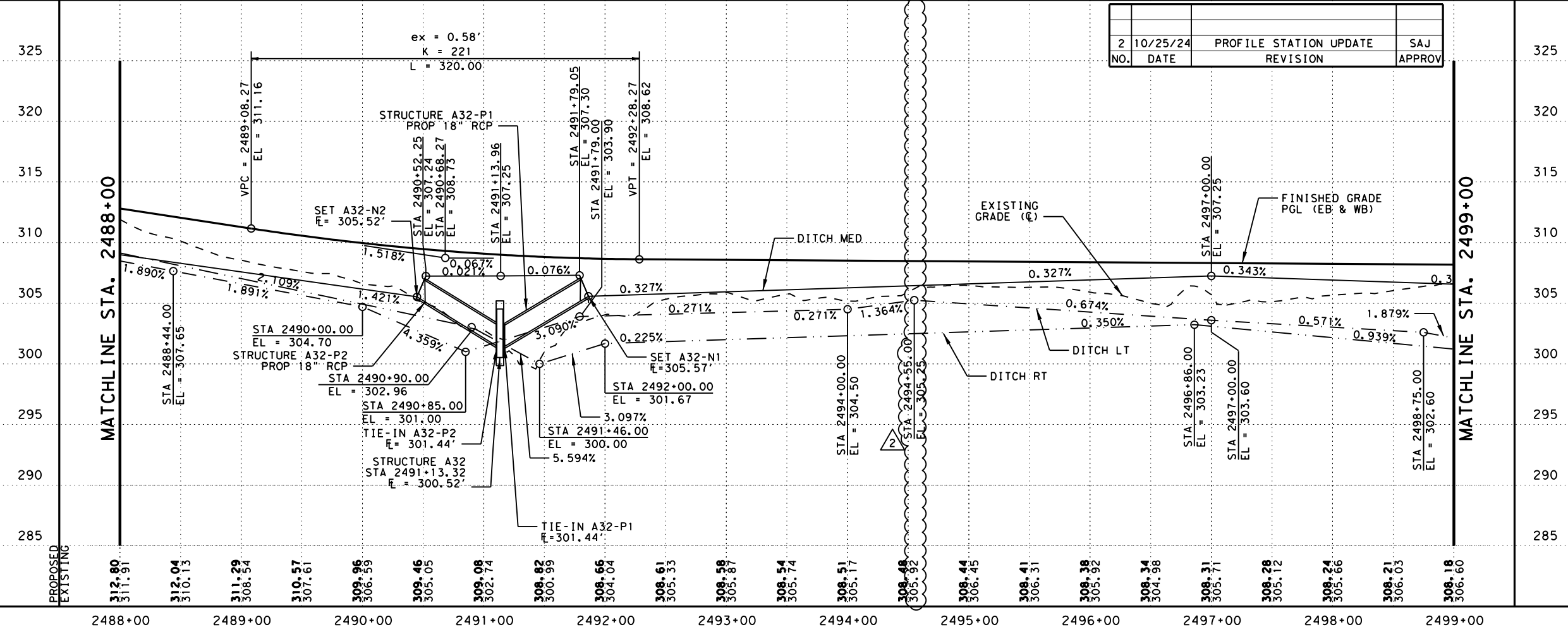


LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
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0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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 Suite 325
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 (512) 485-0009
 TBPELS Firm 5713

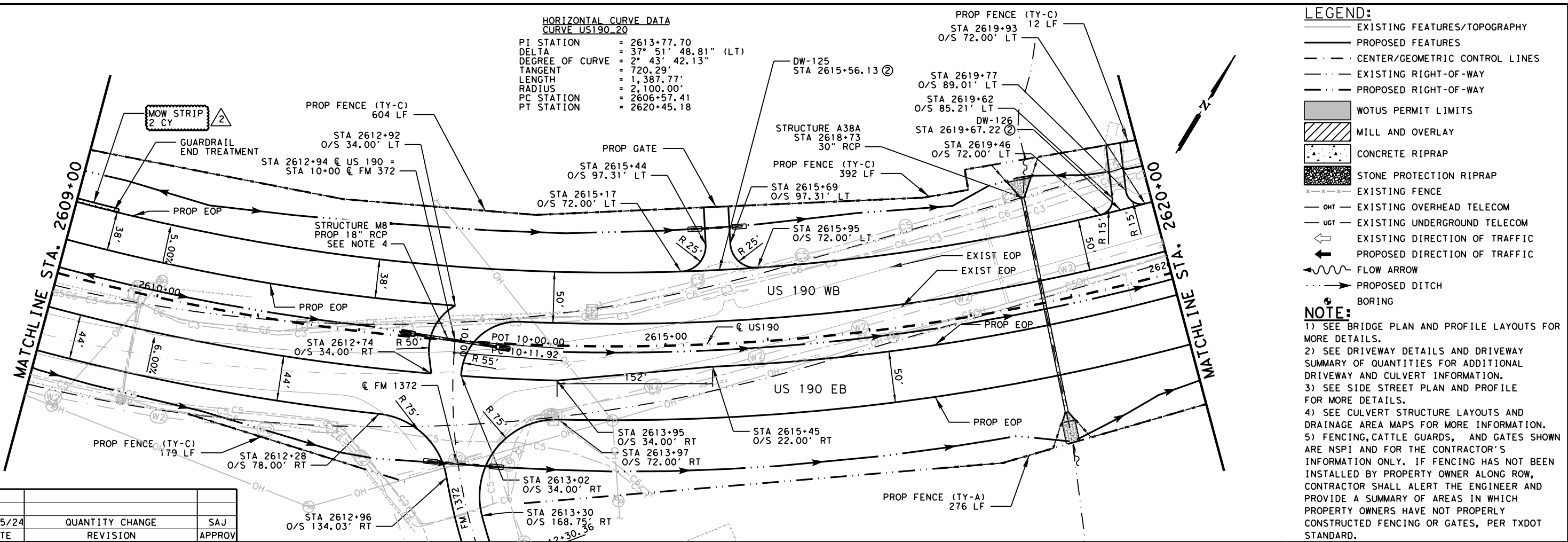
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2488+00 TO STA 2499+00
 SHEET 60 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	701
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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HORIZONTAL CURVE DATA
 CURVE US190_20
 PI STATION = 2613+77.70
 DELTA = 37° 51' 48.81" (LT)
 DEGREE OF CURVE = 2° 43' 42.13"
 TANGENT = 720.29'
 LENGTH = 1,387.77'
 RADIUS = 2,100.00'
 PC STATION = 2606+57.41
 PT STATION = 2620+45.18



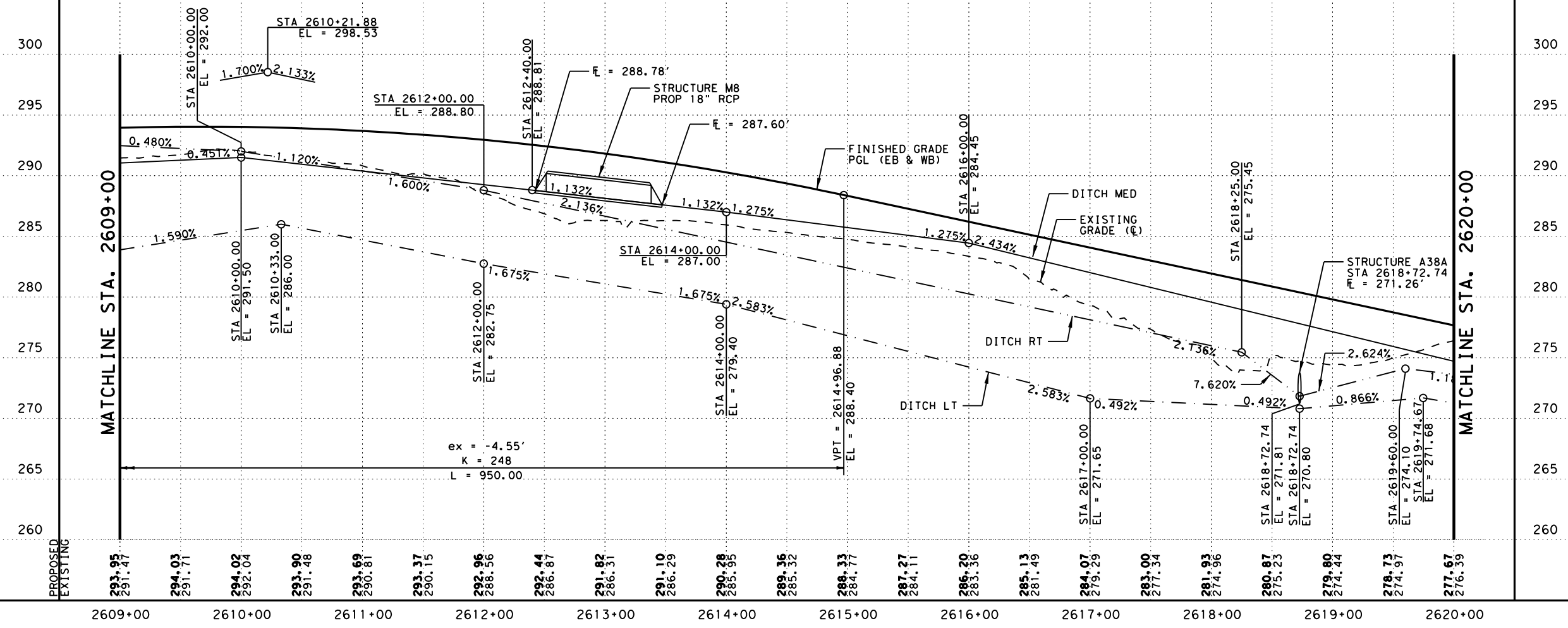
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

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NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY CHANGE	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

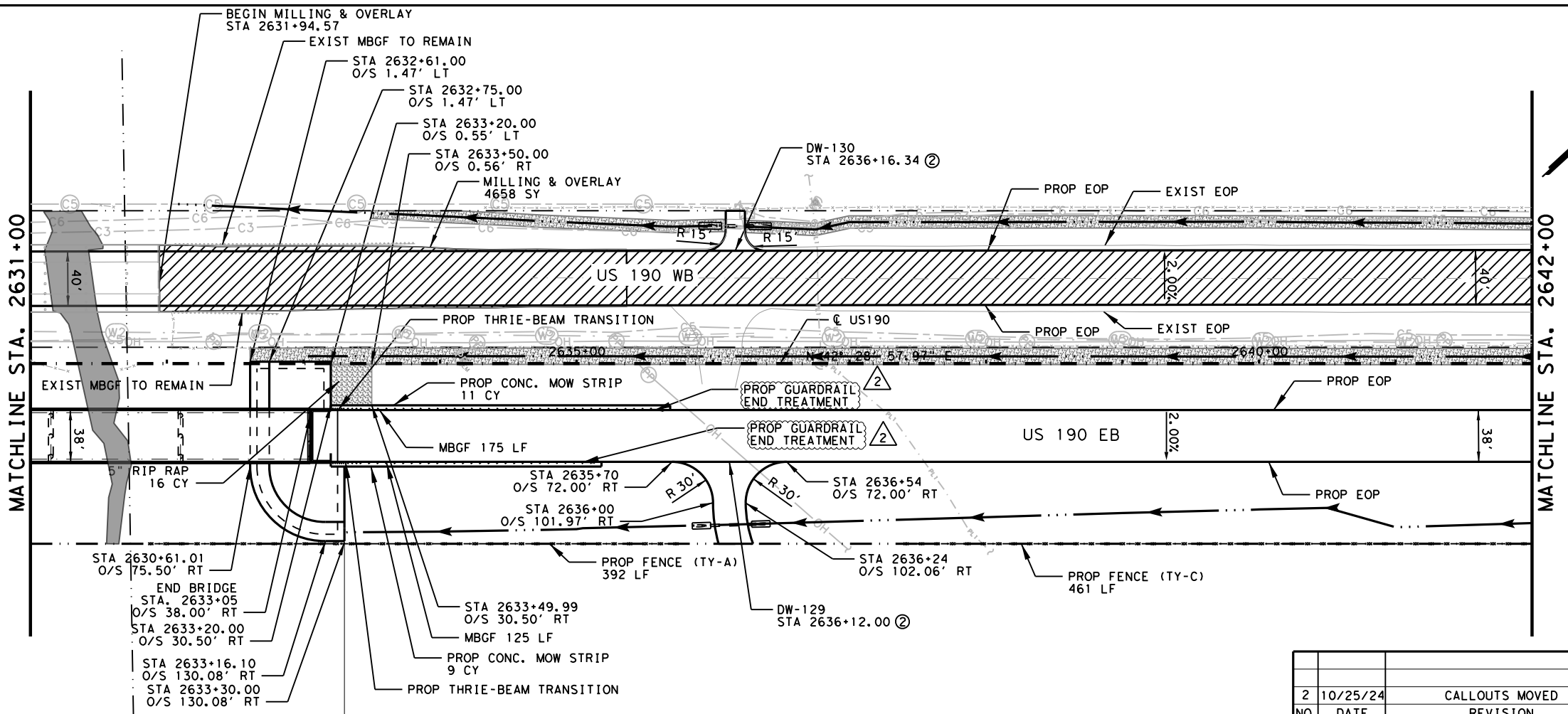
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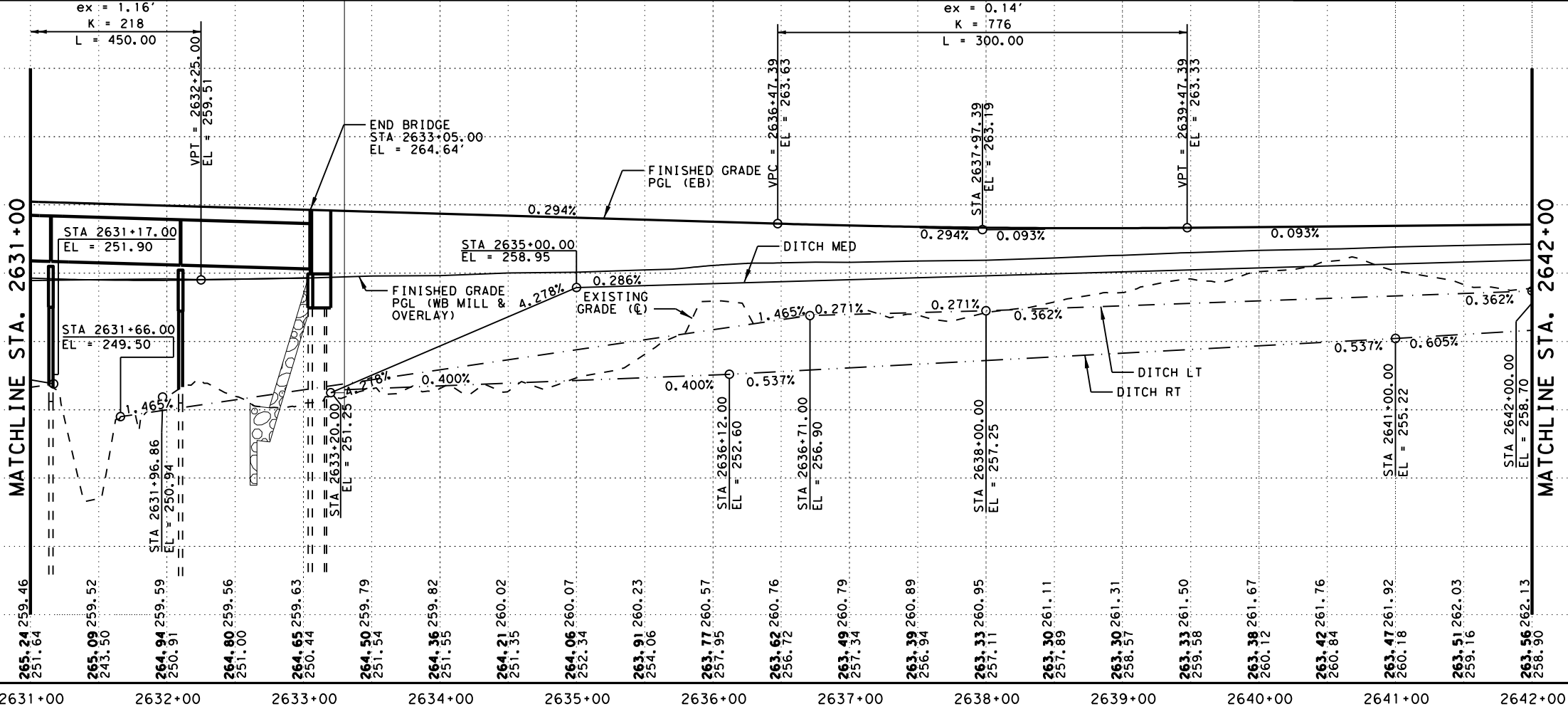
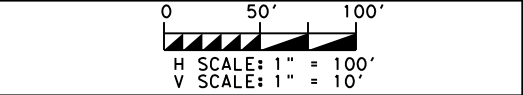
US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2609+00 TO STA 2620+00
 SHEET 71 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	712
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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NO.	DATE	REVISION	APPROV
2	10/25/24	CALLOUTS MOVED	SAJ



STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

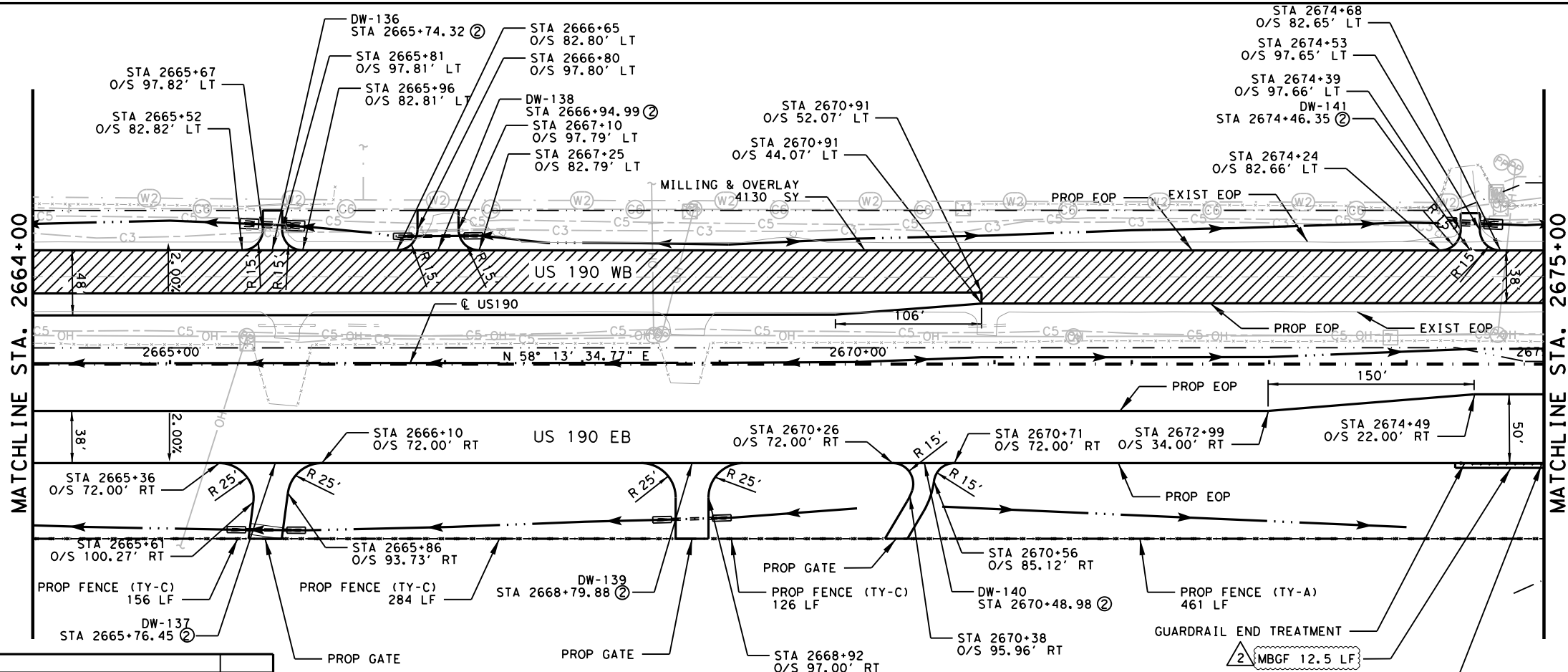
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2631+00 TO STA 2642+00
 SHEET 73 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	714
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

DATE: 10/28/2024 11:42:48 AM
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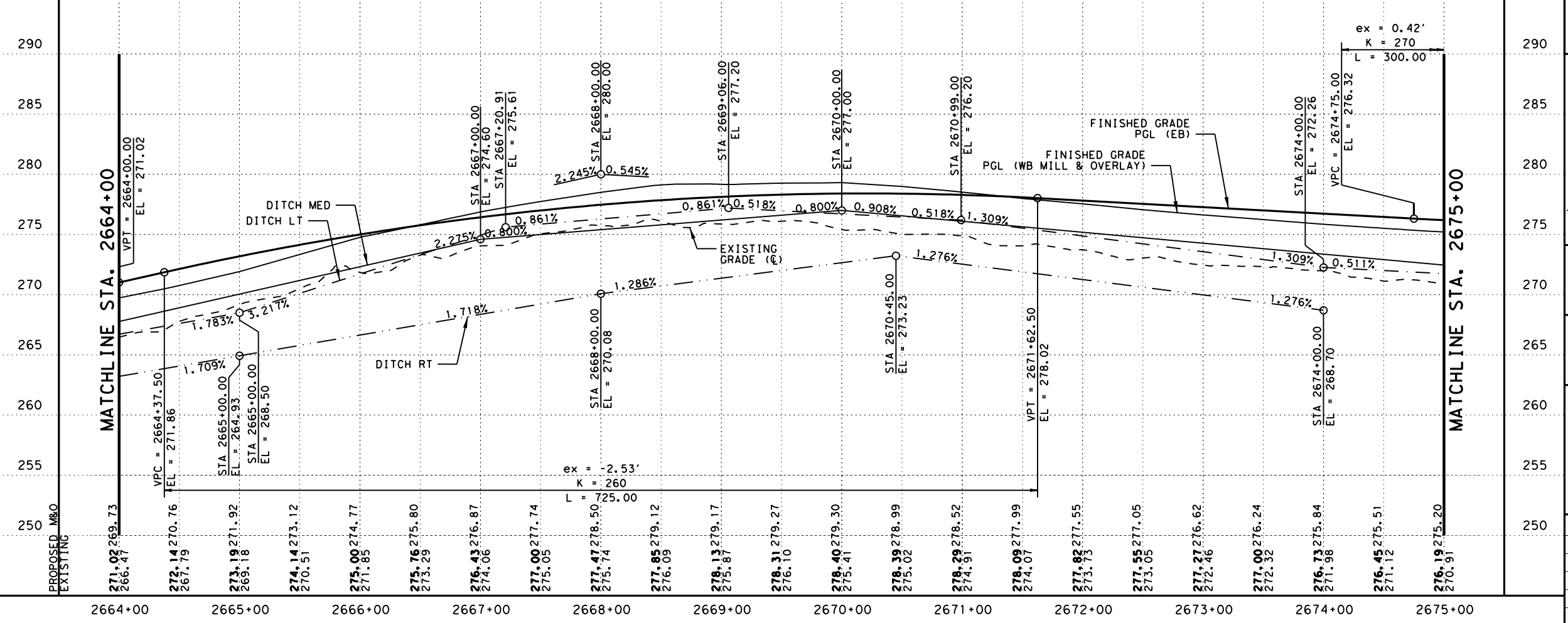
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- ▭ WOTUS PERMIT LIMITS
- ▨ MILL AND OVERLAY
- ▩ CONCRETE RIPRAP
- ▩ STONE PROTECTION RIPRAP
- EXISTING FENCE
- OHT EXISTING OVERHEAD TELECOM
- UGT EXISTING UNDERGROUND TELECOM
- ← EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- ~ FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- 2) SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- 3) SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
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NO.	DATE	REVISION	APPROV
2	10/25/24	CALLOUTS ADDED	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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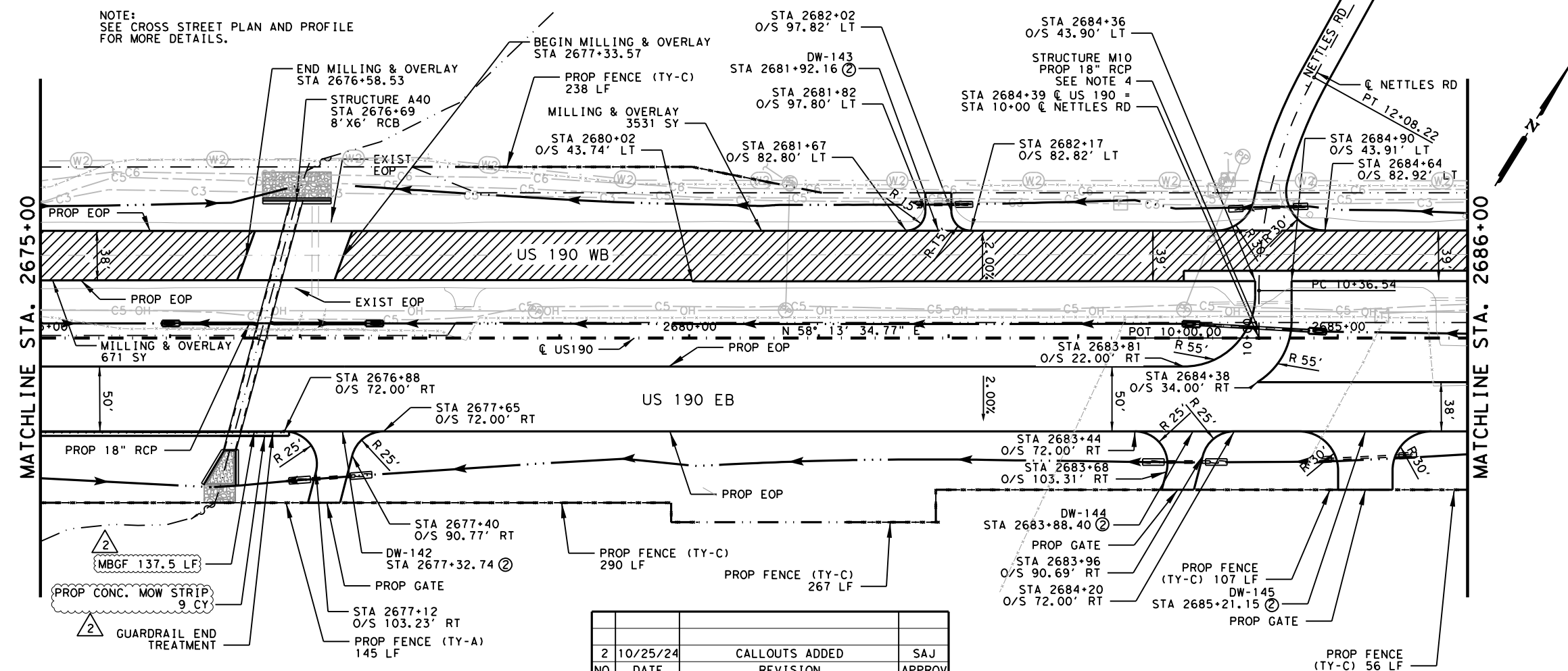
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2664+00 TO STA 2675+00

SHEET 76 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	717
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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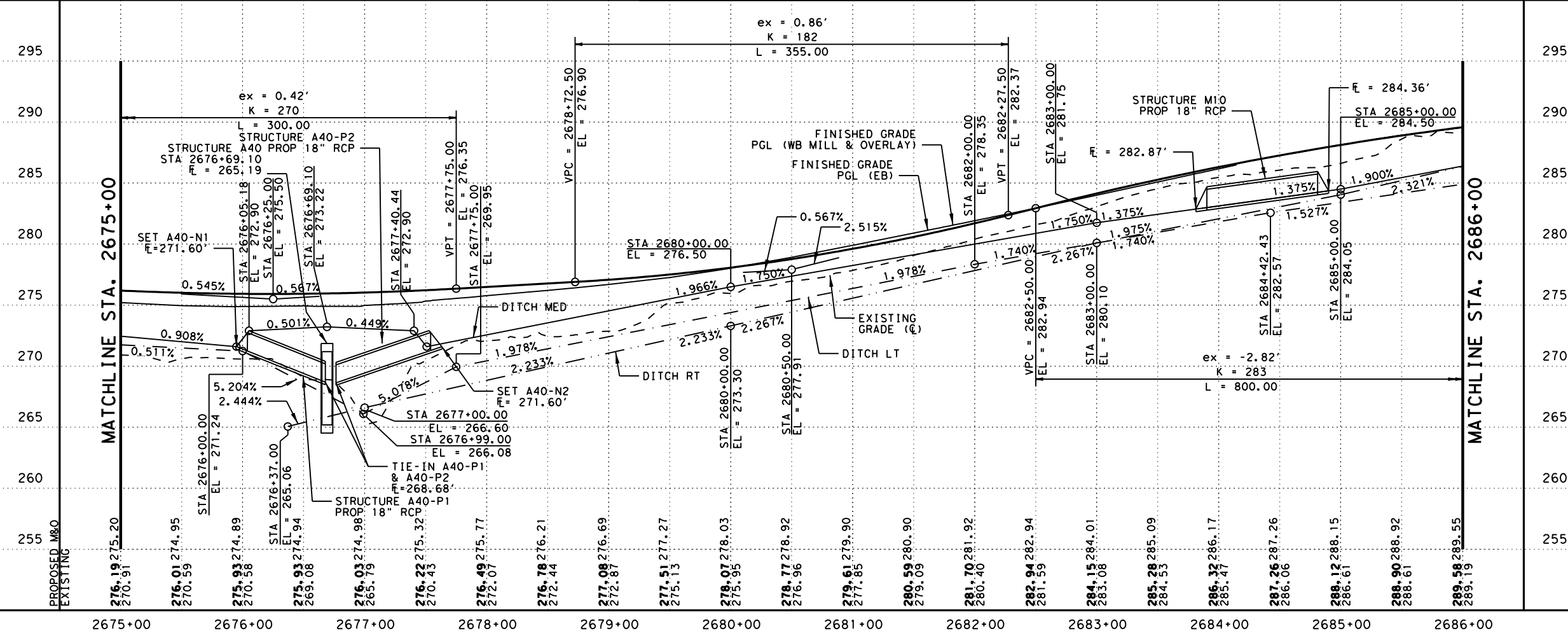
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- - - EXISTING RIGHT-OF-WAY
- - - PROPOSED RIGHT-OF-WAY
- ▨ WOTUS PERMIT LIMITS
- ▨ MILL AND OVERLAY
- ▨ CONCRETE RIPRAP
- ▨ STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- ← EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- ~ FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- 2) SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- 3) SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
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NO.	DATE	REVISION	APPROV
2	10/25/24	CALLOUTS ADDED	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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 (512) 485-0009
 TBPELS Firm 5713

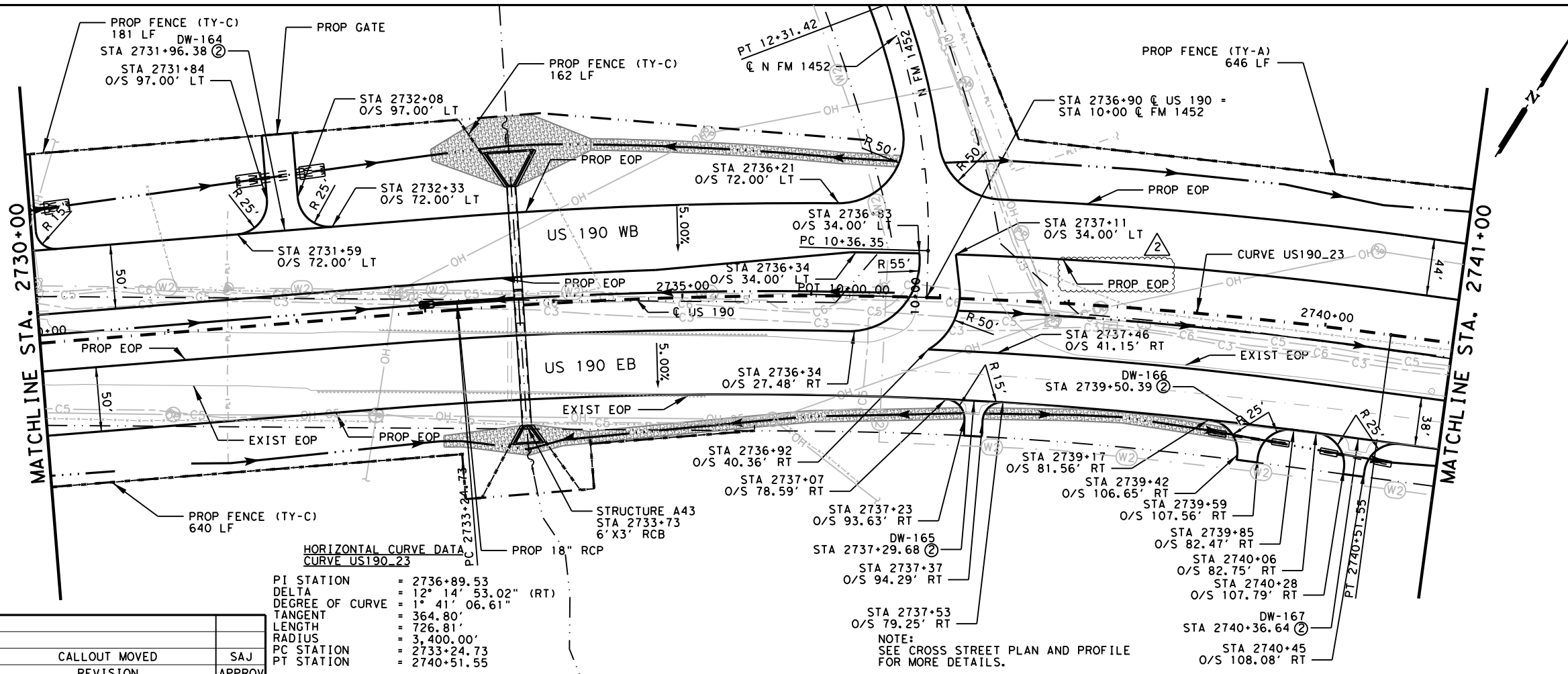
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2675+00 TO STA 2686+00

SHEET 77 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	718
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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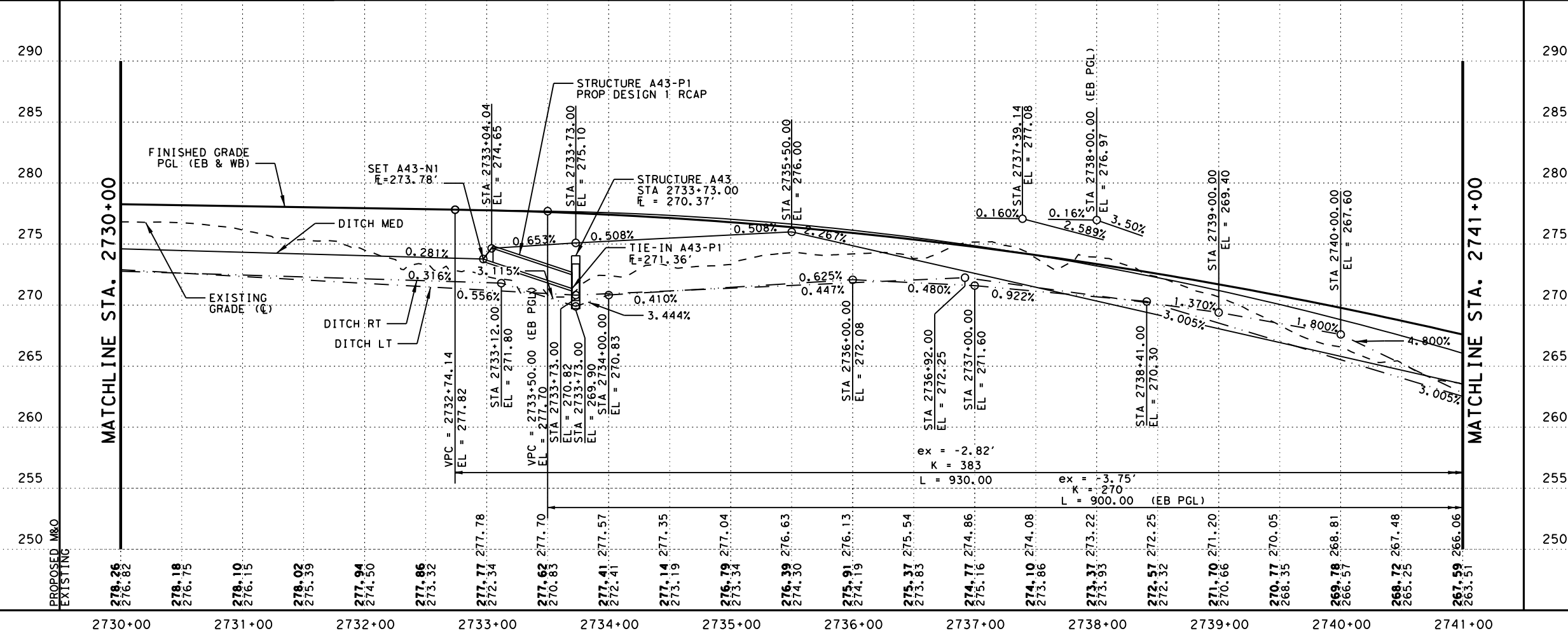
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

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NO.	DATE	REVISION	APPROV
2	10/25/24	CALLOUT MOVED	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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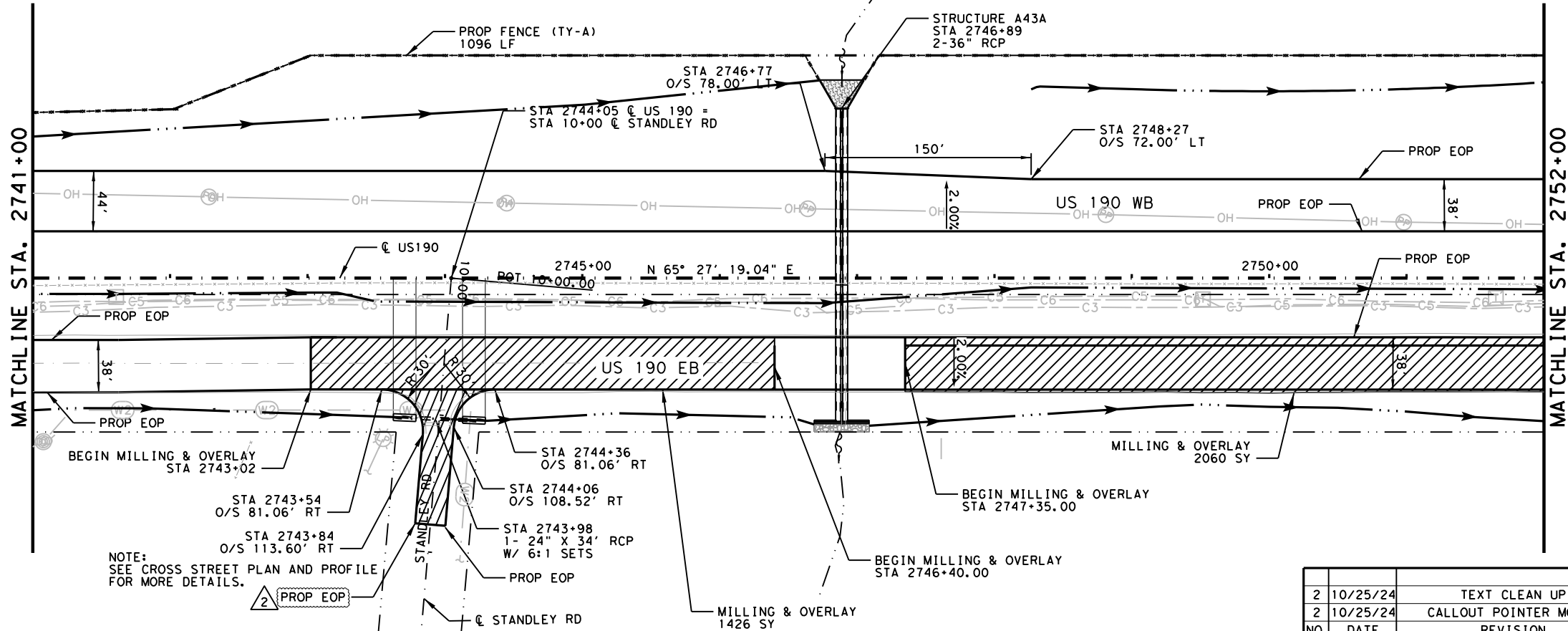
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2730+00 TO STA 2741+00

SHEET 82 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	723
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

DATE: 10/28/2024 11:43:12 AM
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NOTE:
 SEE CROSS STREET PLAN AND PROFILE
 FOR MORE DETAILS.

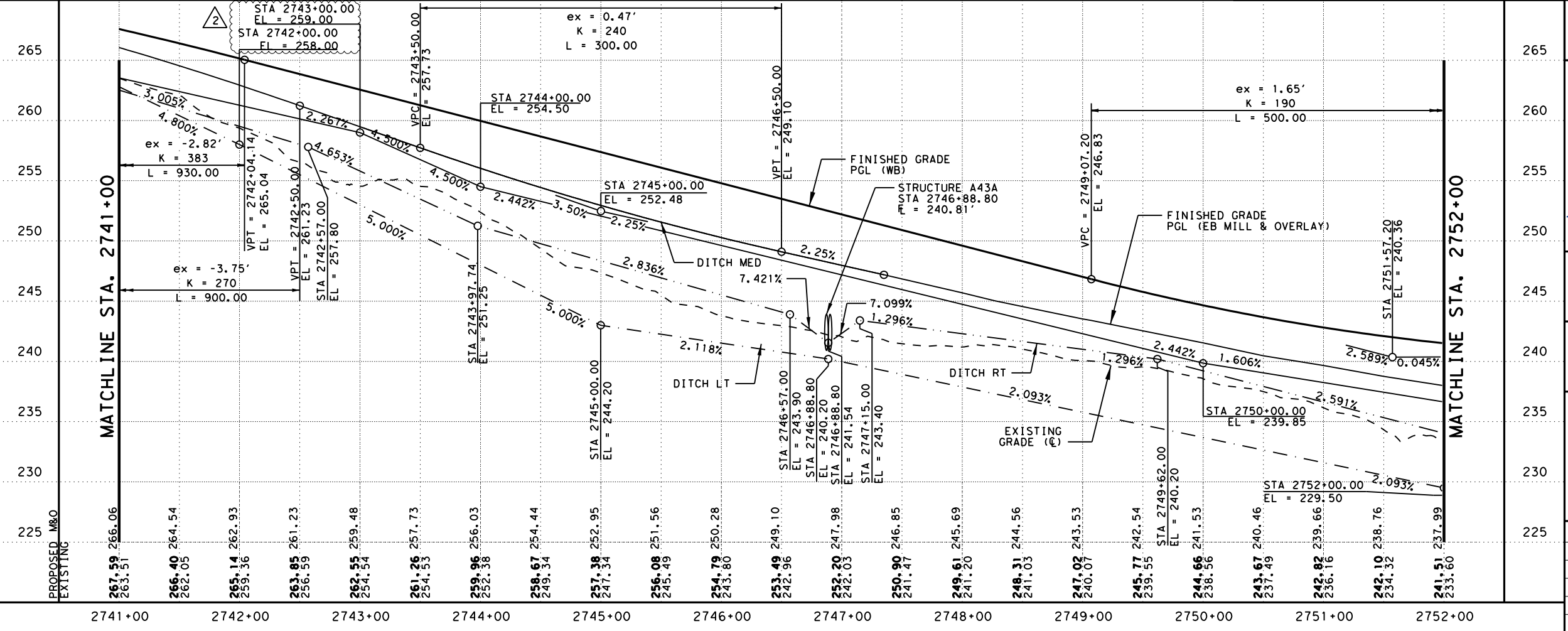
NO.	DATE	REVISION	APPROV
2	10/25/24	TEXT CLEAN UP	SAJ
2	10/25/24	CALLOUT POINTER MOVED	SAJ

LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- ▨ WOTUS PERMIT LIMITS
- ▨ MILL AND OVERLAY
- ▨ CONCRETE RIPRAP
- ▨ STONE PROTECTION RIPRAP
- EXISTING FENCE
- OH --- EXISTING OVERHEAD TELECOM
- UG --- EXISTING UNDERGROUND TELECOM
- ← EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- ~ FLOW ARROW
- BORING

NOTE:

- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
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0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

GARVER
 3755 S. Capital of Texas Highway
 Suite 325
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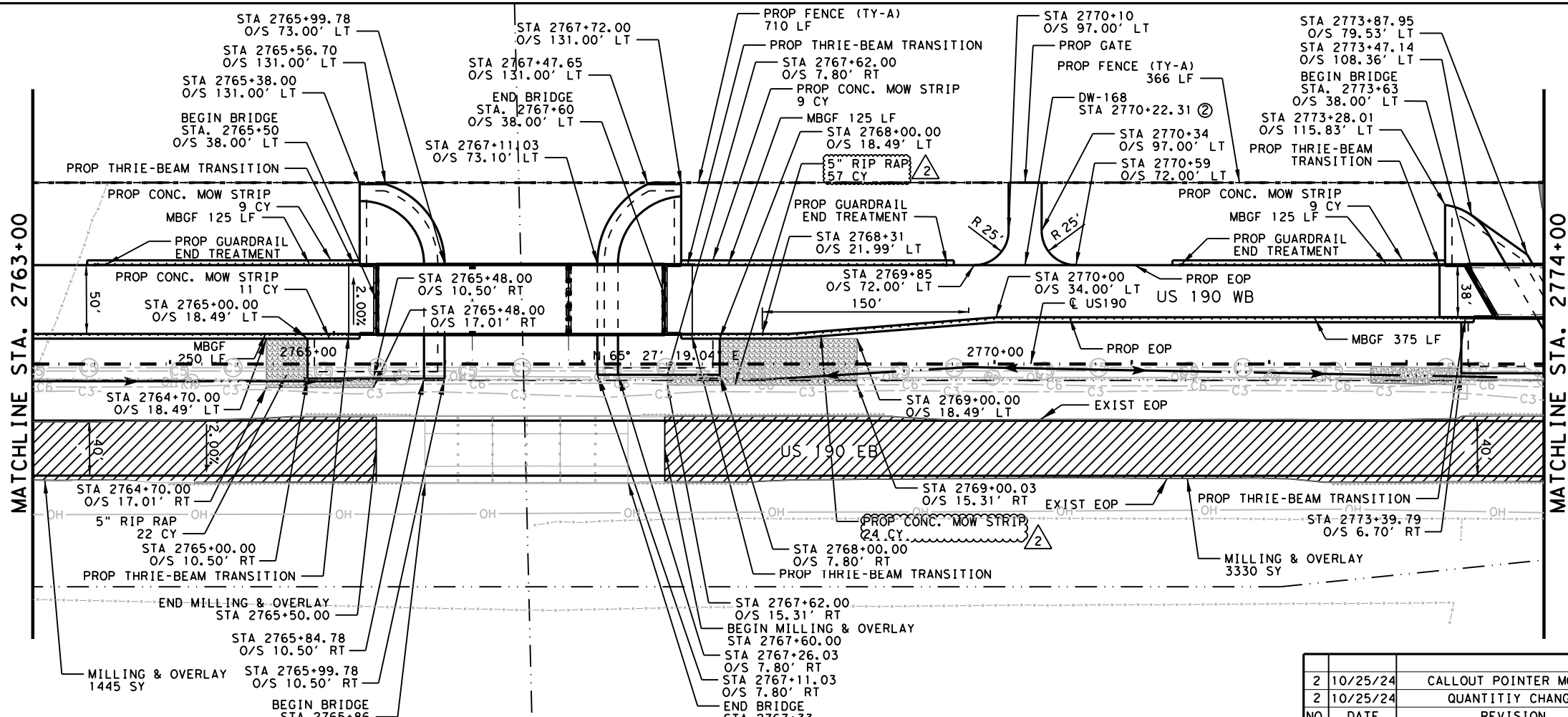
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US 190
**ROADWAY
 PLAN AND PROFILE**
 STA 2741+00 TO STA 2752+00

SHEET 83 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.	
6	SEE TITLE SHEET	724	
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

DATE: 10/28/2024 11:43:20 AM
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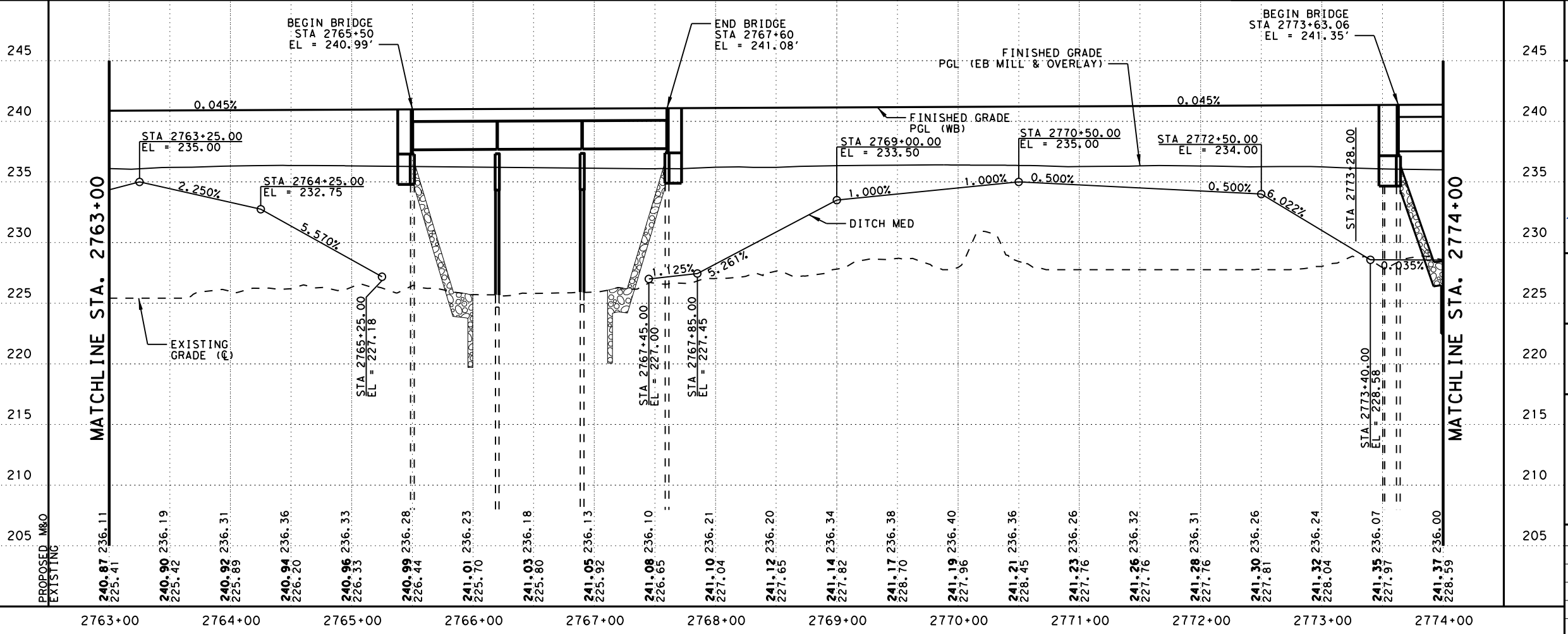
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

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NO.	DATE	REVISION	APPROV
2	10/25/24	CALLOUT POINTER MOVED	SAJ
2	10/25/24	QUANTITY CHANGE	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2763+00 TO STA 2774+00

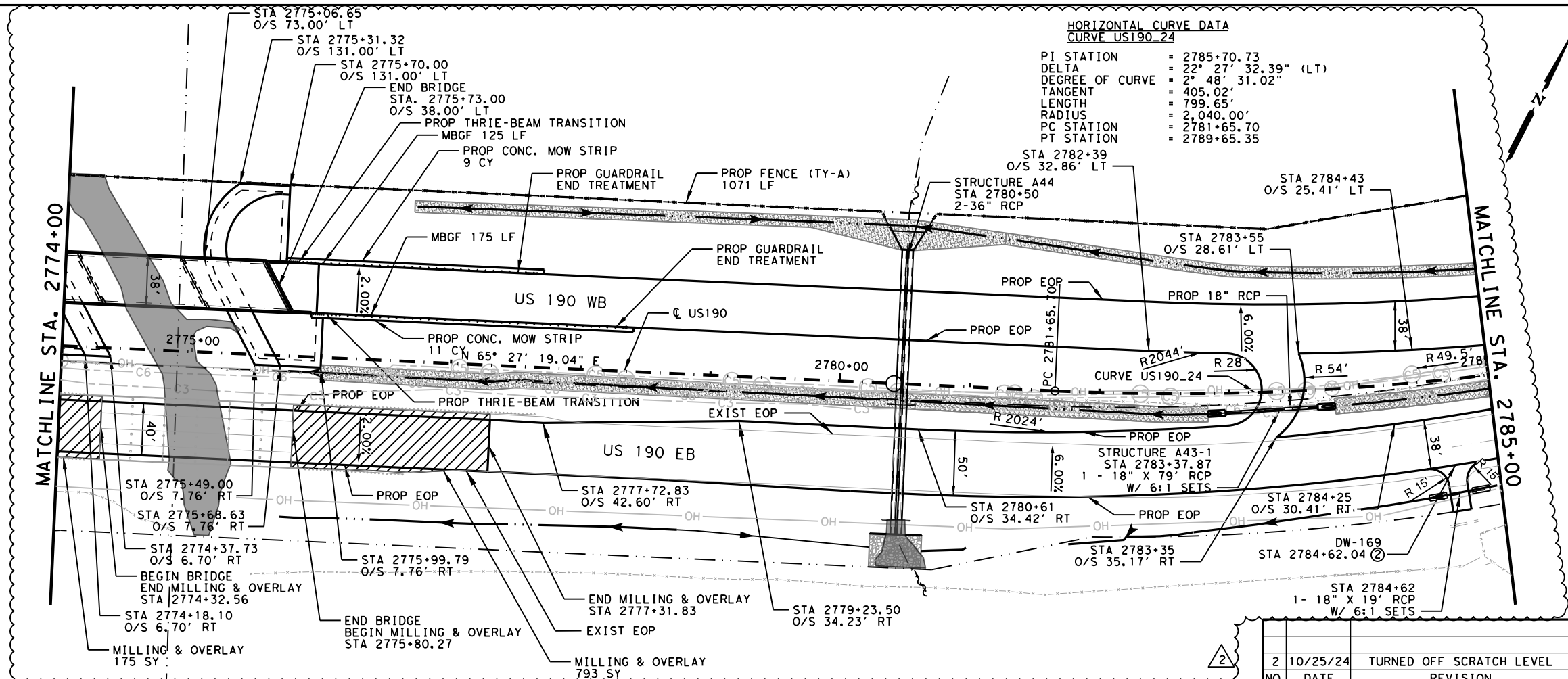
SHEET 85 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	726

STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON

CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

DATE: 10/28/2024 11:43:28 AM
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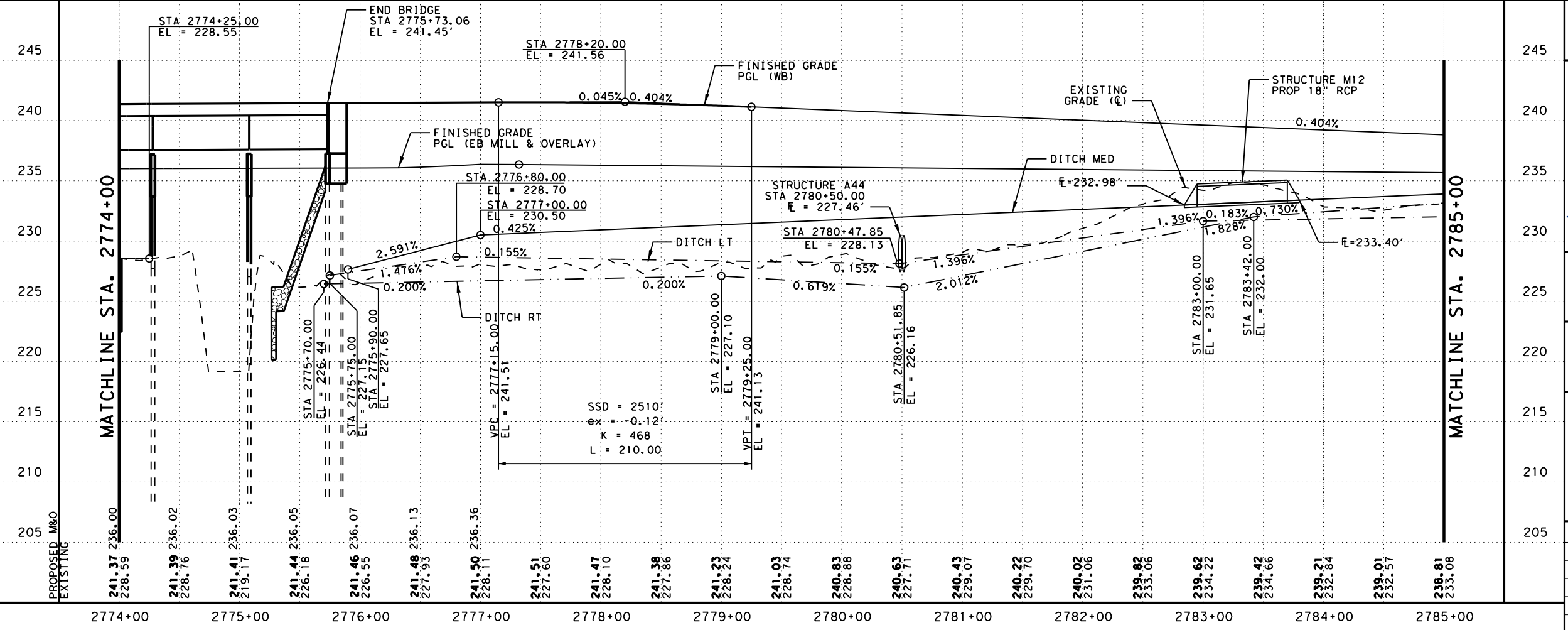
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

- SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
- SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
- SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
- SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
- FENCING, CATTLE GUARDS, AND GATES SHOWN ARE NSPI AND FOR THE CONTRACTOR'S INFORMATION ONLY. IF FENCING HAS NOT BEEN INSTALLED BY PROPERTY OWNER ALONG ROW, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY CONSTRUCTED FENCING OR GATES, PER TXDOT STANDARD.

NO.	DATE	REVISION	APPROV
2	10/25/24	TURNED OFF SCRATCH LEVEL	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

GARVER 3755 S. Capital of Texas Highway
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 Austin, TX 78704
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 TBPELS Firm 5713

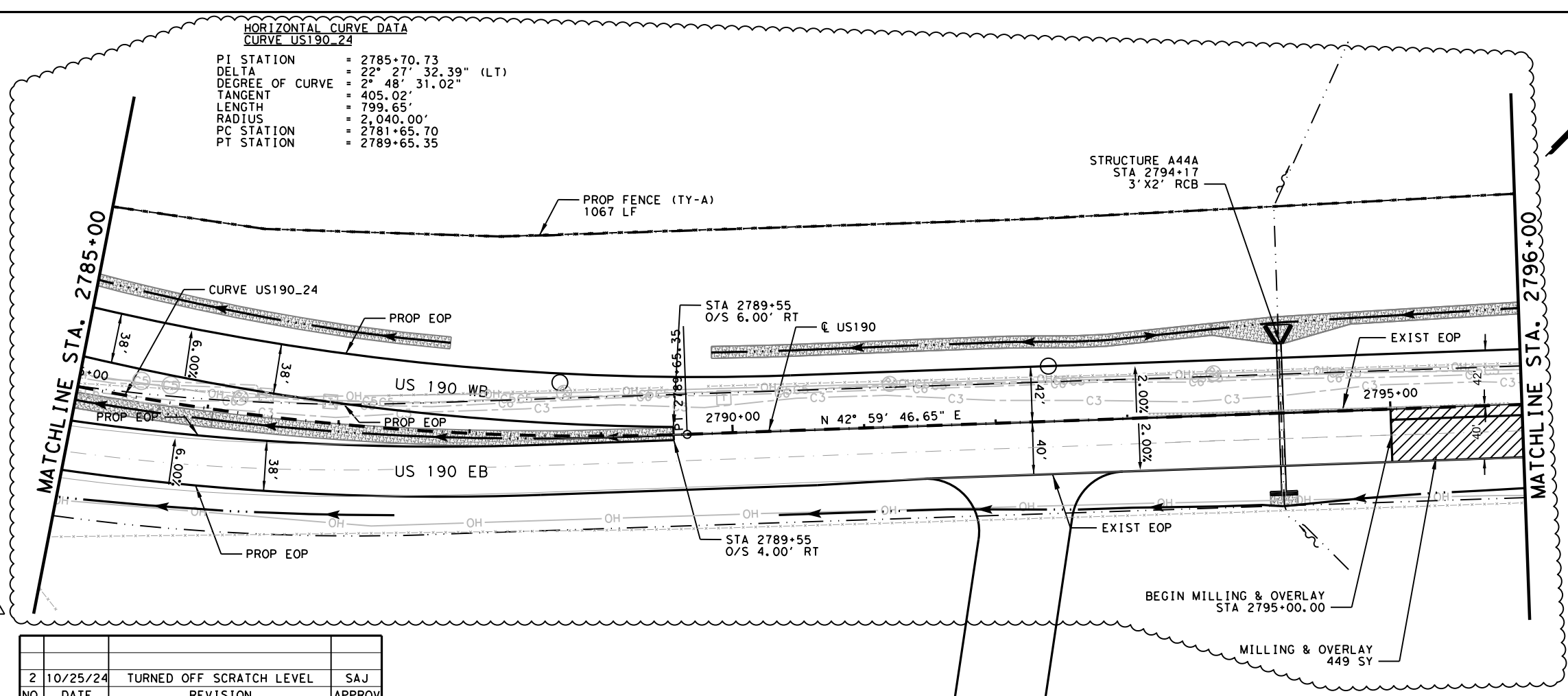
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2774+00 TO STA 2785+00
 SHEET 86 OF 89

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	727
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

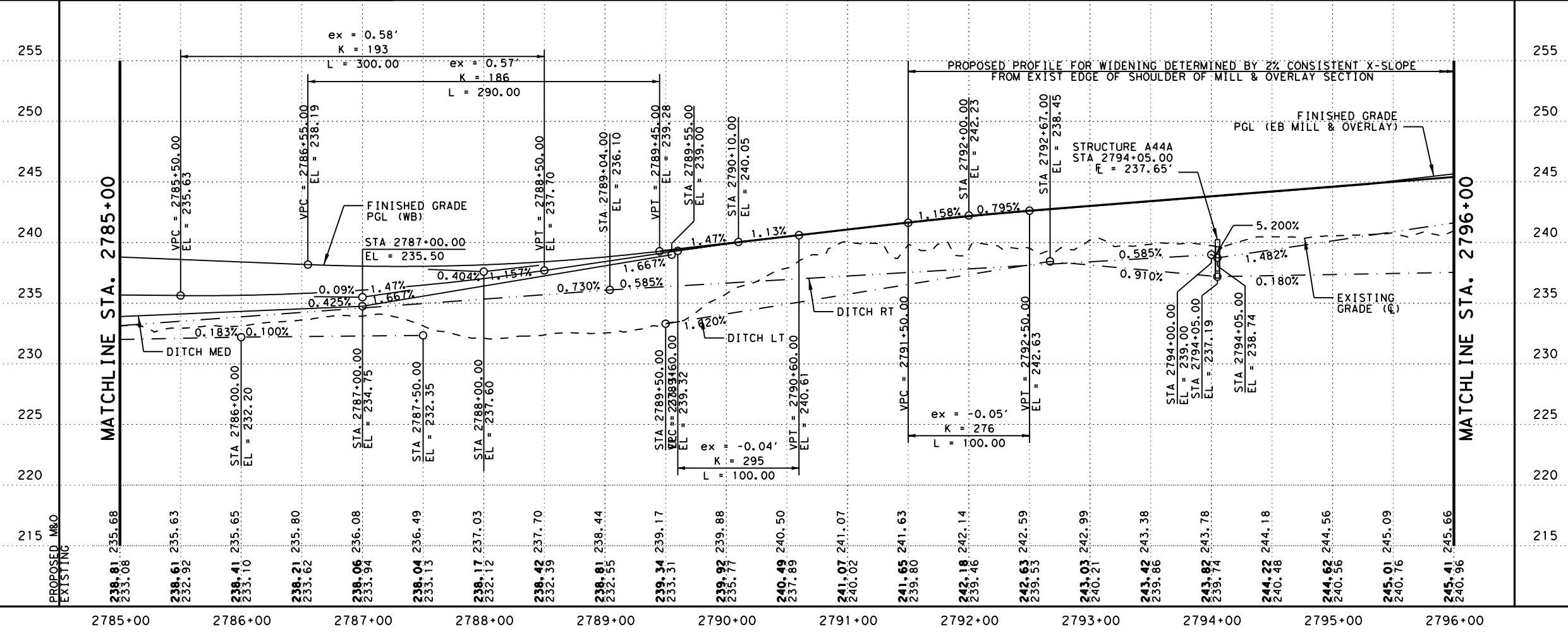
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HORIZONTAL CURVE DATA
 CURVE US190_24
 PI STATION = 2785+70.73
 DELTA = 22° 27' 32.39" (LT)
 DEGREE OF CURVE = 2° 48' 31.02"
 TANGENT = 405.02'
 LENGTH = 799.65'
 RADIUS = 2,040.00'
 PC STATION = 2781+65.70
 PT STATION = 2789+65.35



- LEGEND:**
- EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - - - EXISTING RIGHT-OF-WAY
 - - - PROPOSED RIGHT-OF-WAY
 - ▭ WOTUS PERMIT LIMITS
 - ▨ MILL AND OVERLAY
 - ▩ CONCRETE RIPRAP
 - ▩ STONE PROTECTION RIPRAP
 - EXISTING FENCE
 - OHT — EXISTING OVERHEAD TELECOM
 - UGT — EXISTING UNDERGROUND TELECOM
 - ← EXISTING DIRECTION OF TRAFFIC
 - PROPOSED DIRECTION OF TRAFFIC
 - ~ FLOW ARROW
 - PROPOSED DITCH
 - BORING
- NOTE:**
- 1) SEE BRIDGE PLAN AND PROFILE LAYOUTS FOR MORE DETAILS.
 - 2) SEE DRIVEWAY DETAILS AND DRIVEWAY SUMMARY OF QUANTITIES FOR ADDITIONAL DRIVEWAY AND CULVERT INFORMATION.
 - 3) SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
 - 4) SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
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NO.	DATE	REVISION	APPROV
2	10/25/24	TURNED OFF SCRATCH LEVEL	SAJ



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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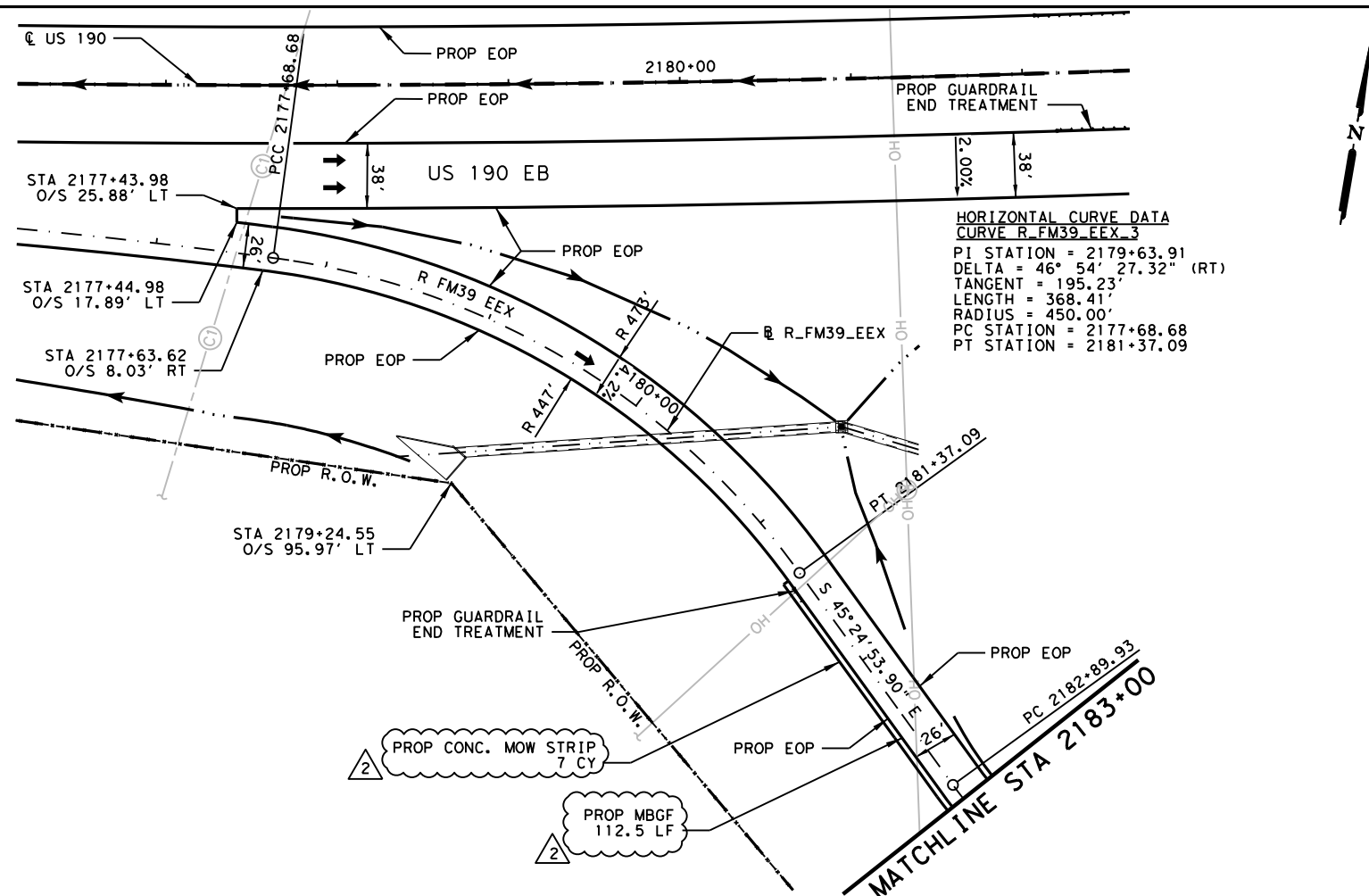
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US 190
 ROADWAY
 PLAN AND PROFILE
 STA 2785+00 TO STA 2796+00

SHEET 87 OF 89

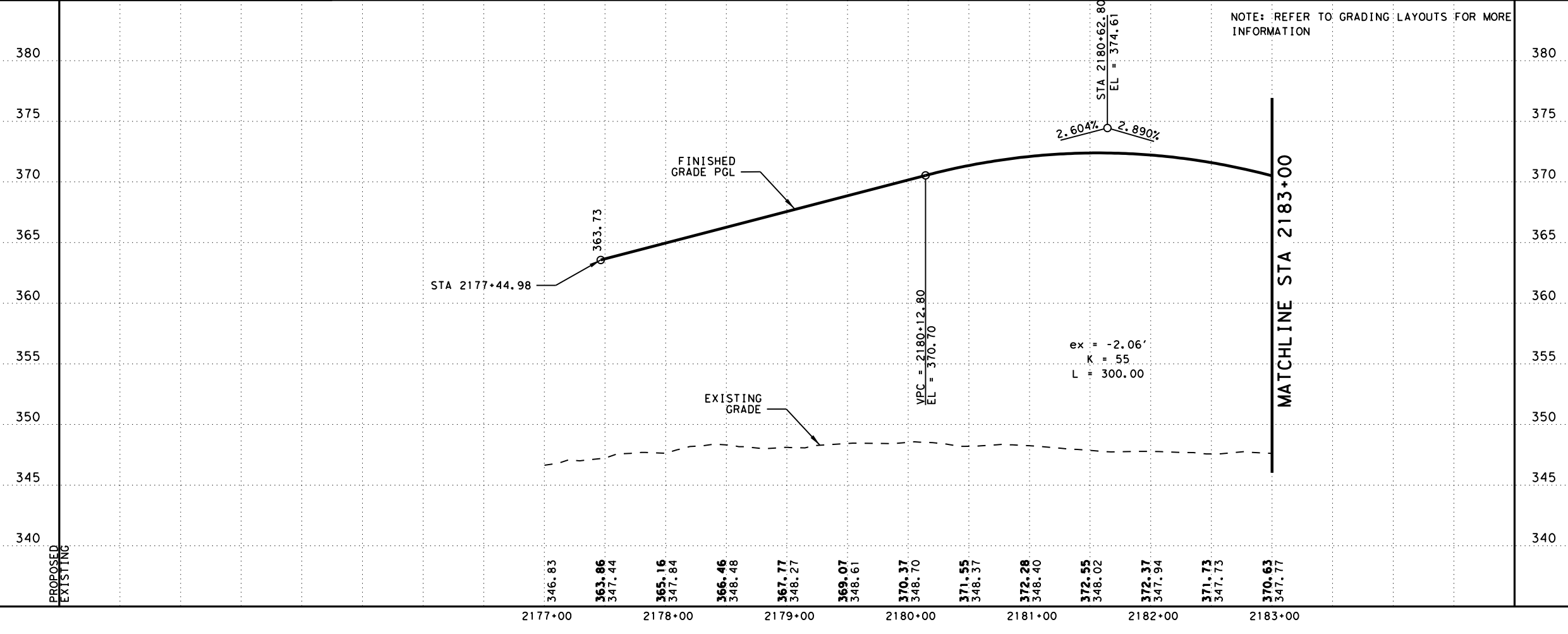
FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	728
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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- LEGEND:**
- EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - - - EXISTING RIGHT-OF-WAY
 - - - PROPOSED RIGHT-OF-WAY
 - ▭ WOTUS PERMIT LIMITS
 - ▨ MILL AND OVERLAY
 - ▩ CONCRETE RIPRAP
 - ▩ STONE PROTECTION RIPRAP
 - EXISTING FENCE
 - OHT — EXISTING OVERHEAD TELECOM
 - UGT — EXISTING UNDERGROUND TELECOM
 - ← EXISTING DIRECTION OF TRAFFIC
 - PROPOSED DIRECTION OF TRAFFIC
 - ~ FLOW ARROW
 - PROPOSED DITCH
 - BORING
- NOTE:**
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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISE QUANTITY/CALLOUT	SAJ



0 20' 40'
 SCALE: 1" = 40' (H)
 1" = 10' (V)

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 PROFESSIONAL ENGINEER
 6/20/2024

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 (512) 485-0009
 TBPELS Firm 5713

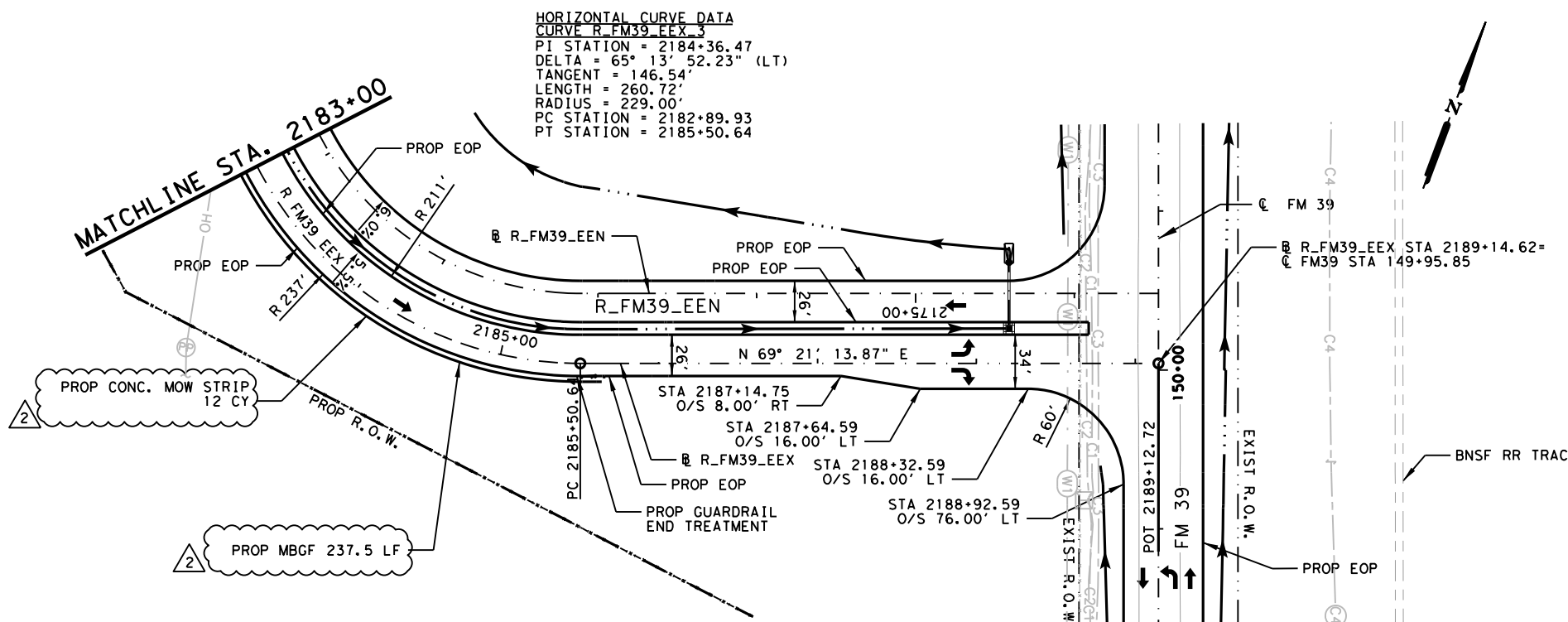
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US 190
 FM 39 EEX RAMP
 PLAN AND PROFILE

SHEET 1 OF 2

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	731
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

DATE: 10/28/2024 11:43:49 AM
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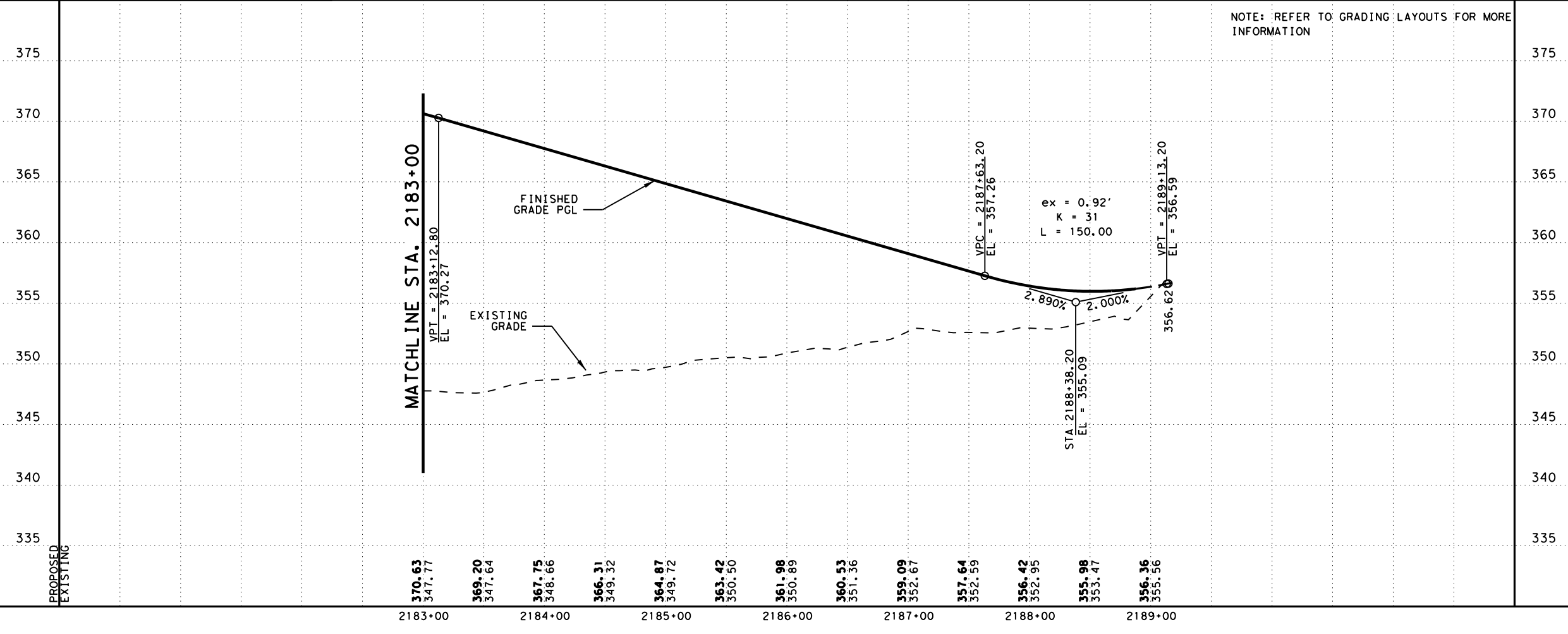
LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

NOTE:

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NO.	DATE	REVISION	APPROV
2	10/25/24	REVISE QUANTITY/CALLOUTS	SAJ



0 20' 40'
 SCALE: 1" = 40' (H)
 1" = 10' (V)

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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 TBPELS Firm 5713

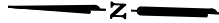
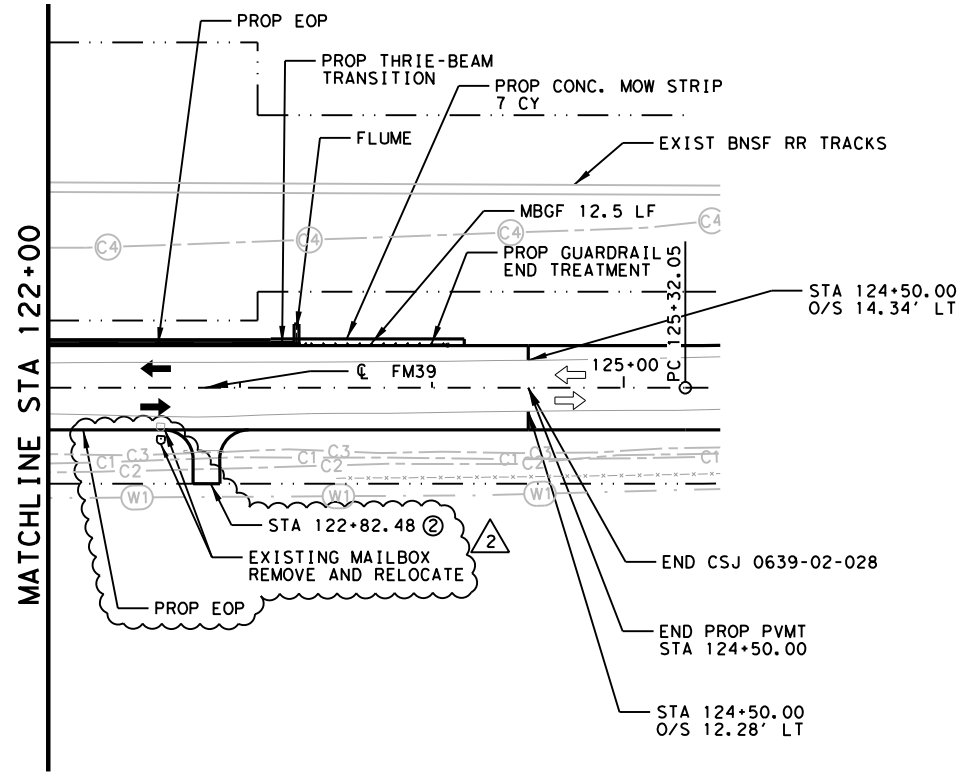
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US 190
 FM 39 EEX RAMP
 PLAN AND PROFILE

SHEET 2 OF 2

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	732
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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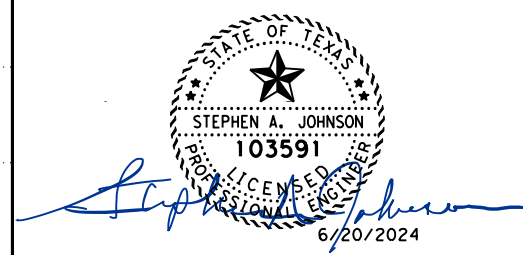
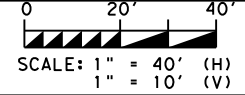
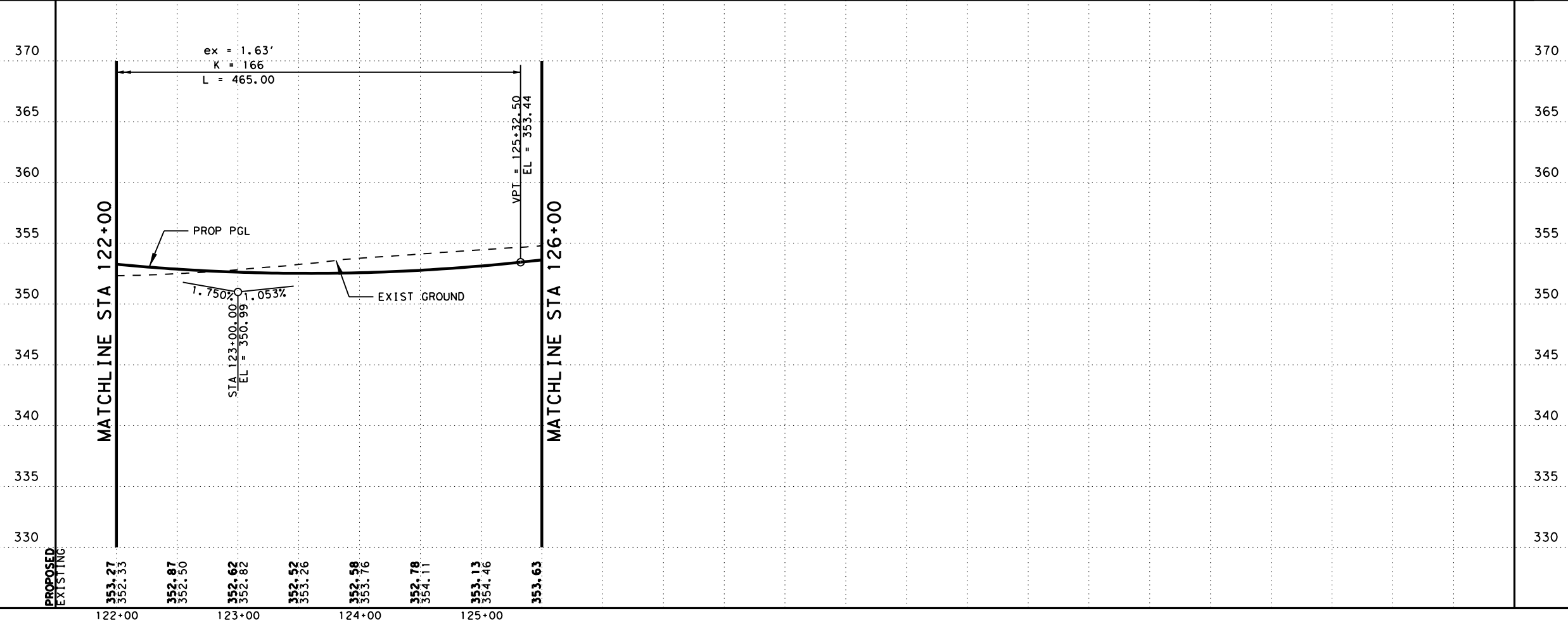


LEGEND:

- EXISTING FEATURES/TOPOGRAPHY
- PROPOSED FEATURES
- CENTER/GEOMETRIC CONTROL LINES
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- WOTUS PERMIT LIMITS
- MILL AND OVERLAY
- CONCRETE RIPRAP
- STONE PROTECTION RIPRAP
- EXISTING FENCE
- EXISTING OVERHEAD TELECOM
- EXISTING UNDERGROUND TELECOM
- EXISTING DIRECTION OF TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- FLOW ARROW
- PROPOSED DITCH
- BORING

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NO.	DATE	REVISION	APPROV
2	10/25/24	CALLOUT ADDED	SAJ



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 TBPELS Firm 5713



US 190
 FM 39 NORTH ZULCH
 PLAN AND PROFILE
 STA 122+00 TO 126+00

SHEET 3 OF 3

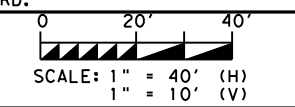
FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	741
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

HORIZONTAL CURVE DATA
 CURVE FM39_2
 PI STATION = 130+07.13
 DELTA = 19° 15' 33.65" (LT)
 TANGENT = 475.08'
 LENGTH = 941.19'
 RADIUS = 2,800.00'
 PC STATION = 125+32.05
 PT STATION = 134+73.24

- LEGEND:**
- EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - - - EXISTING RIGHT-OF-WAY
 - - - PROPOSED RIGHT-OF-WAY
 - ▭ WOTUS PERMIT LIMITS
 - ▨ MILL AND OVERLAY
 - ▩ CONCRETE RIPRAP
 - ▩ STONE PROTECTION RIPRAP
 - EXISTING FENCE
 - EXISTING OVERHEAD TELECOM
 - EXISTING UNDERGROUND TELECOM
 - ← EXISTING DIRECTION OF TRAFFIC
 - PROPOSED DIRECTION OF TRAFFIC
 - ~ FLOW ARROW
 - PROPOSED DITCH
 - BORING

- NOTE:**
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NO.	DATE	REVISION	APPROV
2	10/25/24	CALL OUTS ADDED	SAJ



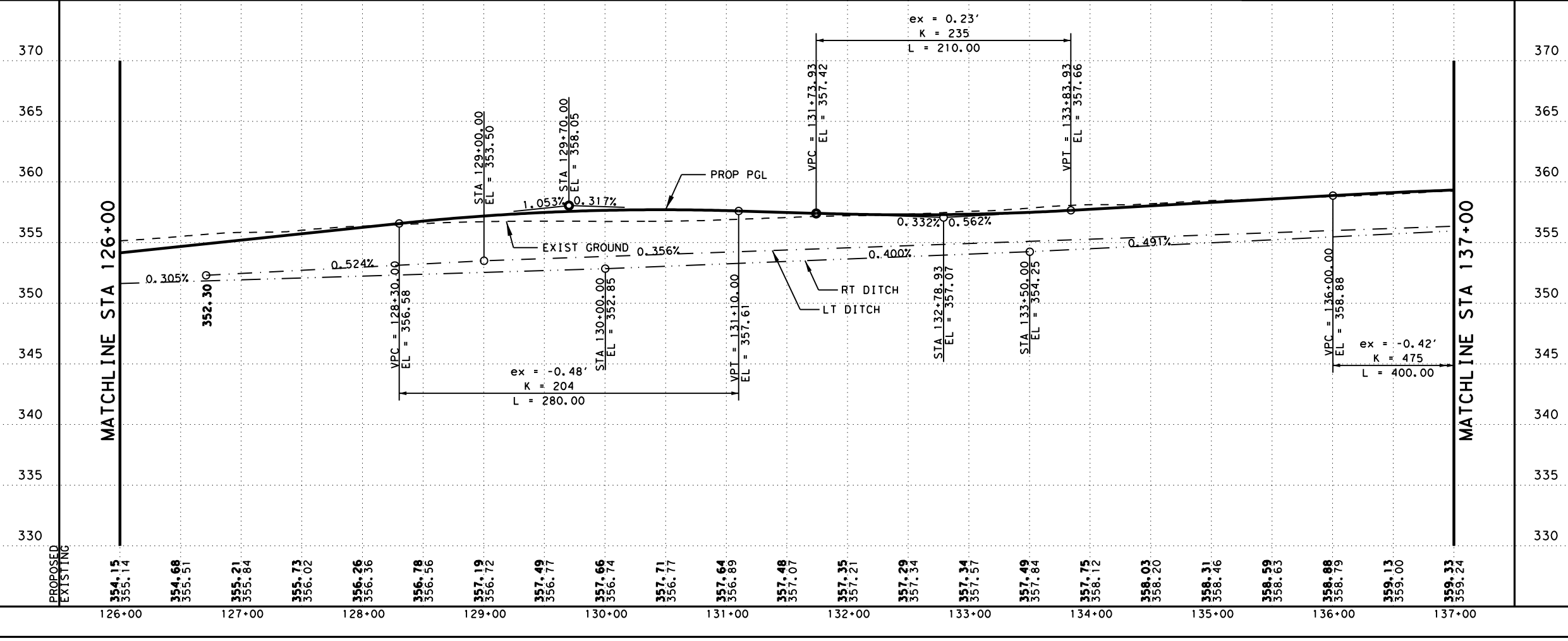
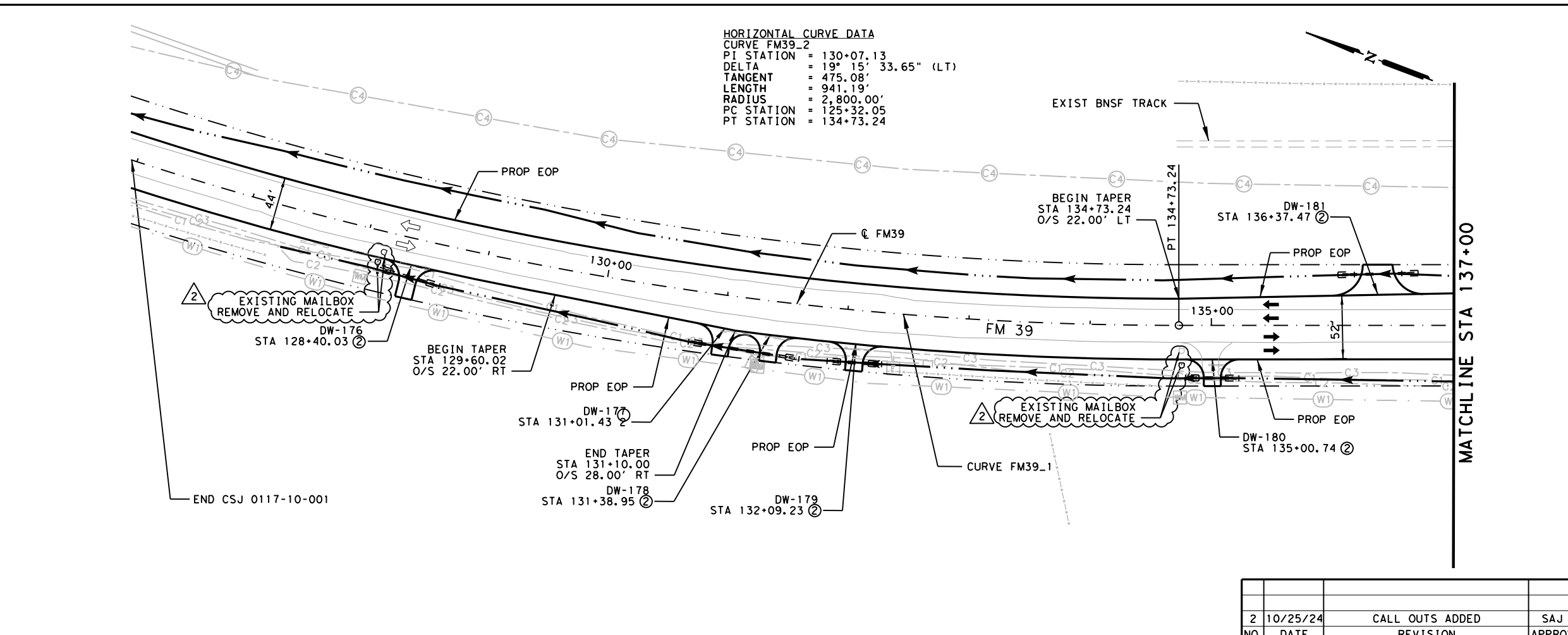
GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713



US 190
 FM 39
 (BYPASS)
 STA 126+70 TO STA 137+00

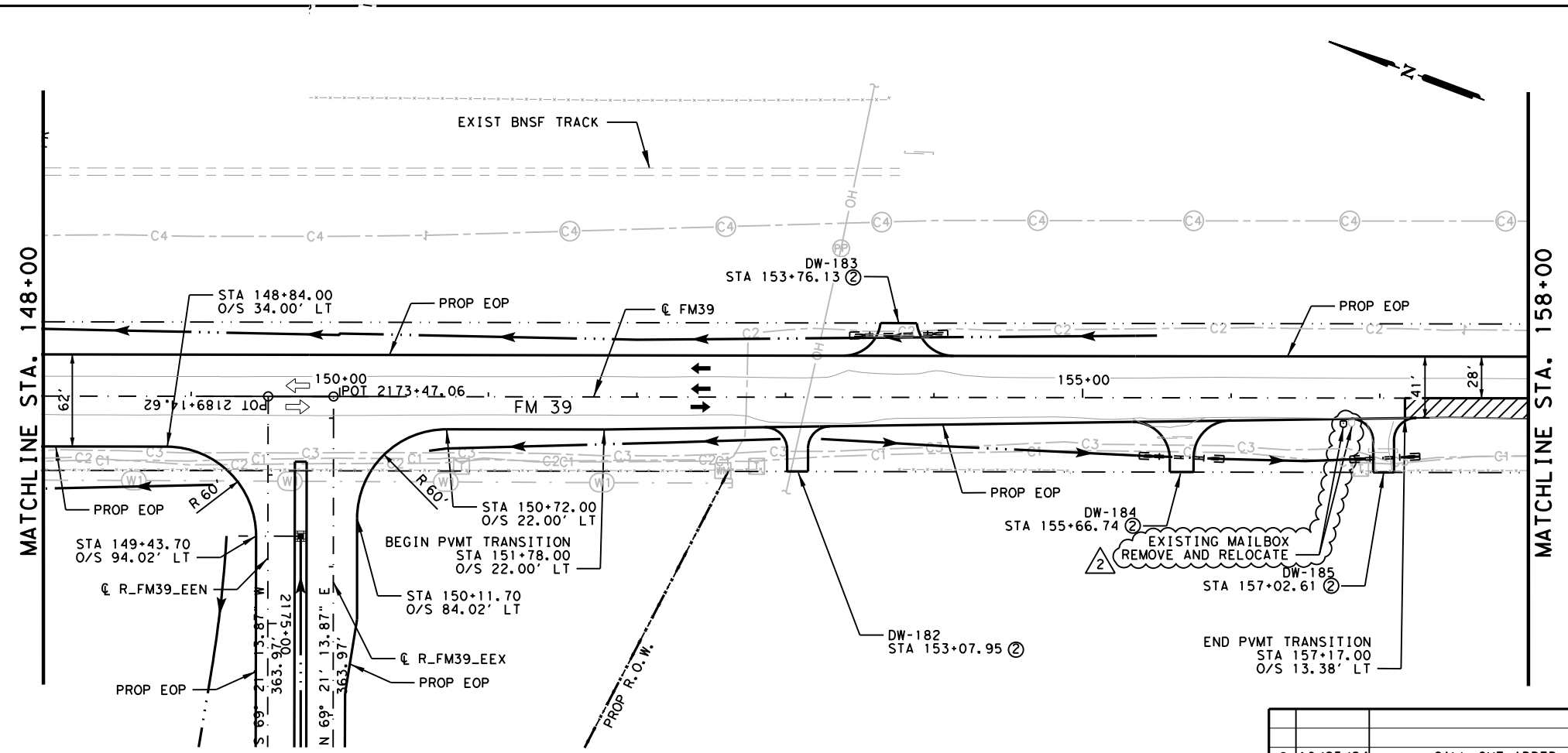
SHEET 1 OF 4

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	742
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.



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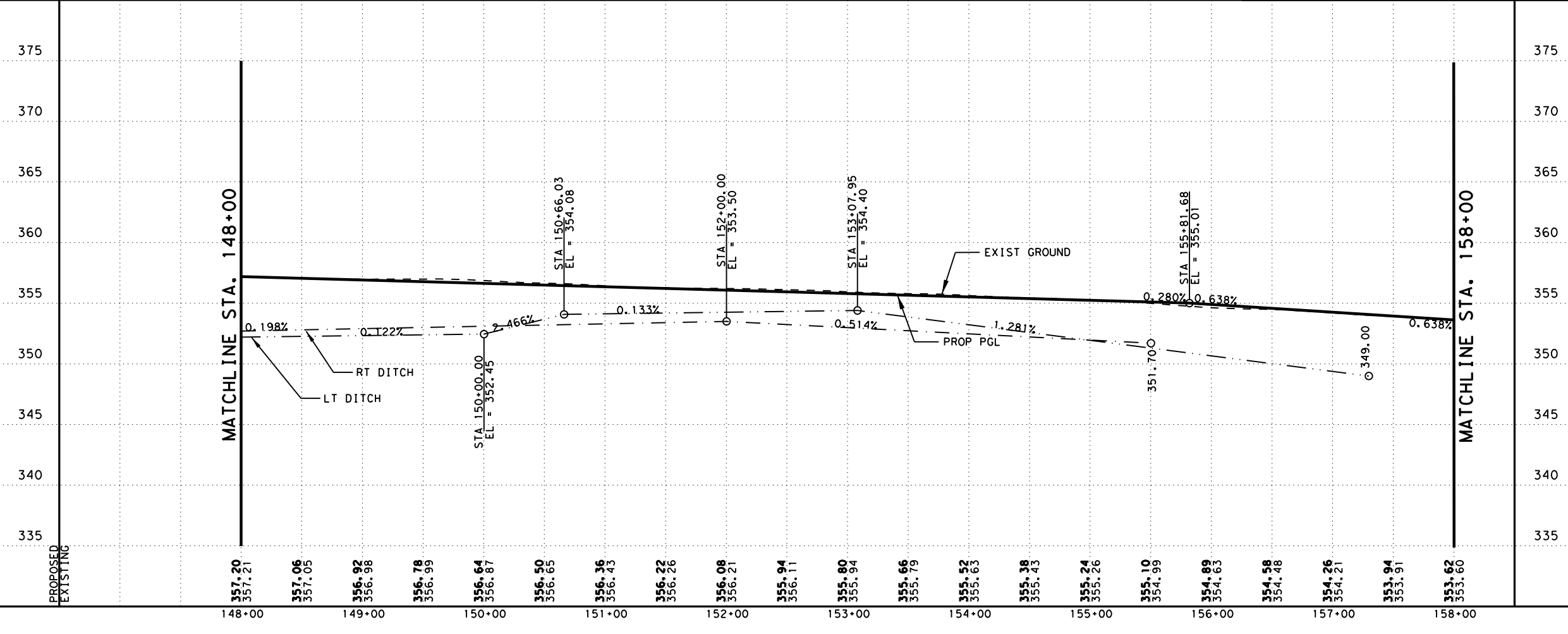
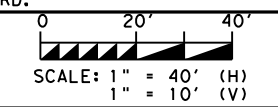
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- LEGEND:**
- EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - - - EXISTING RIGHT-OF-WAY
 - - - PROPOSED RIGHT-OF-WAY
 - ▭ WOTUS PERMIT LIMITS
 - ▨ MILL AND OVERLAY
 - ▩ CONCRETE RIPRAP
 - ▩ STONE PROTECTION RIPRAP
 - EXISTING FENCE
 - EXISTING OVERHEAD TELECOM
 - EXISTING UNDERGROUND TELECOM
 - ← EXISTING DIRECTION OF TRAFFIC
 - PROPOSED DIRECTION OF TRAFFIC
 - ~ FLOW ARROW
 - PROPOSED DITCH
 - BORING

- NOTE:**
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NO.	DATE	REVISION	APPROV
2	10/25/24	CALL OUT ADDED	INTALS



STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

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 Austin, TX 78704
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 TBPELS Firm 5713

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US 190
 FM 39
 (BYPASS)
 STA 148+00 TO STA 158+00

SHEET 3 OF 4

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	744
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

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HORIZONTAL CURVE DATA
 CURVE NCR439_1

PI STATION	= 14+37.18
DELTA	= 72° 54' 49.92" (RT)
TANGENT	= 221.64
LENGTH	= 381.78
RADIUS	= 300.00
PC STATION	= 12+15.54
PT STATION	= 15+97.32

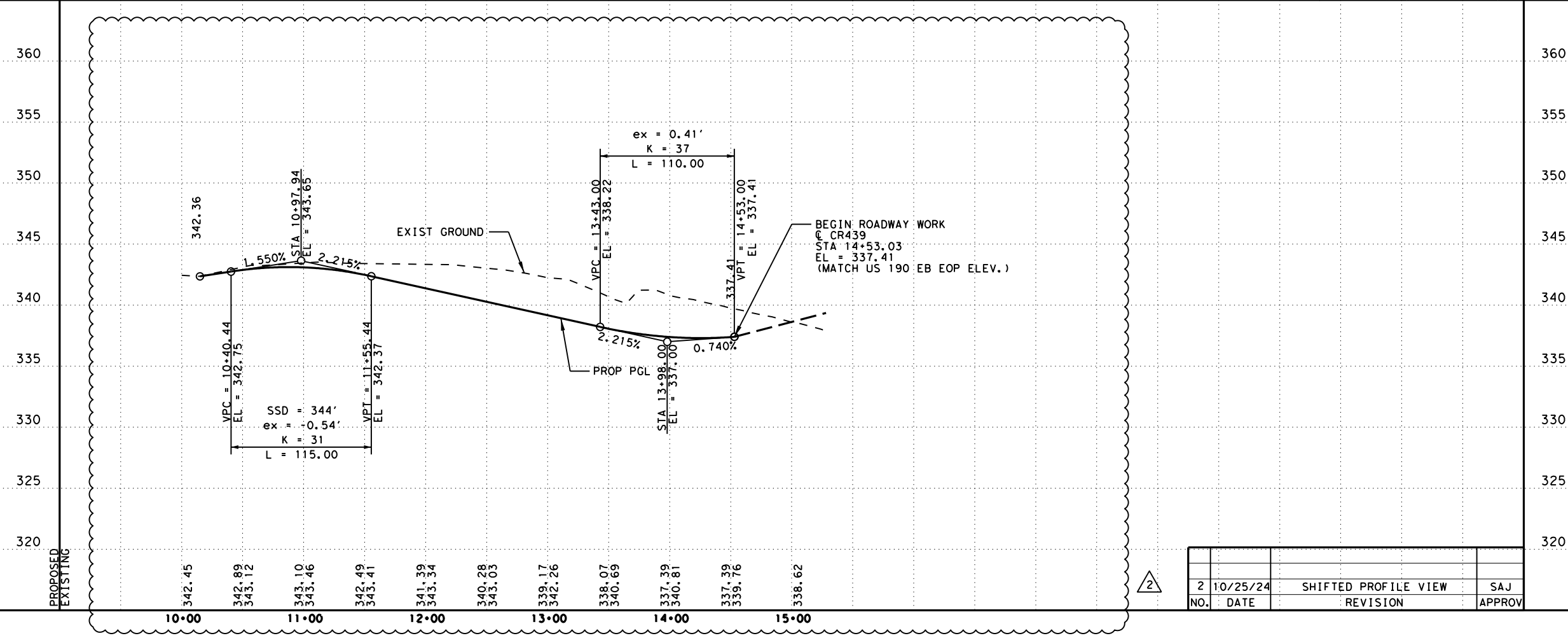
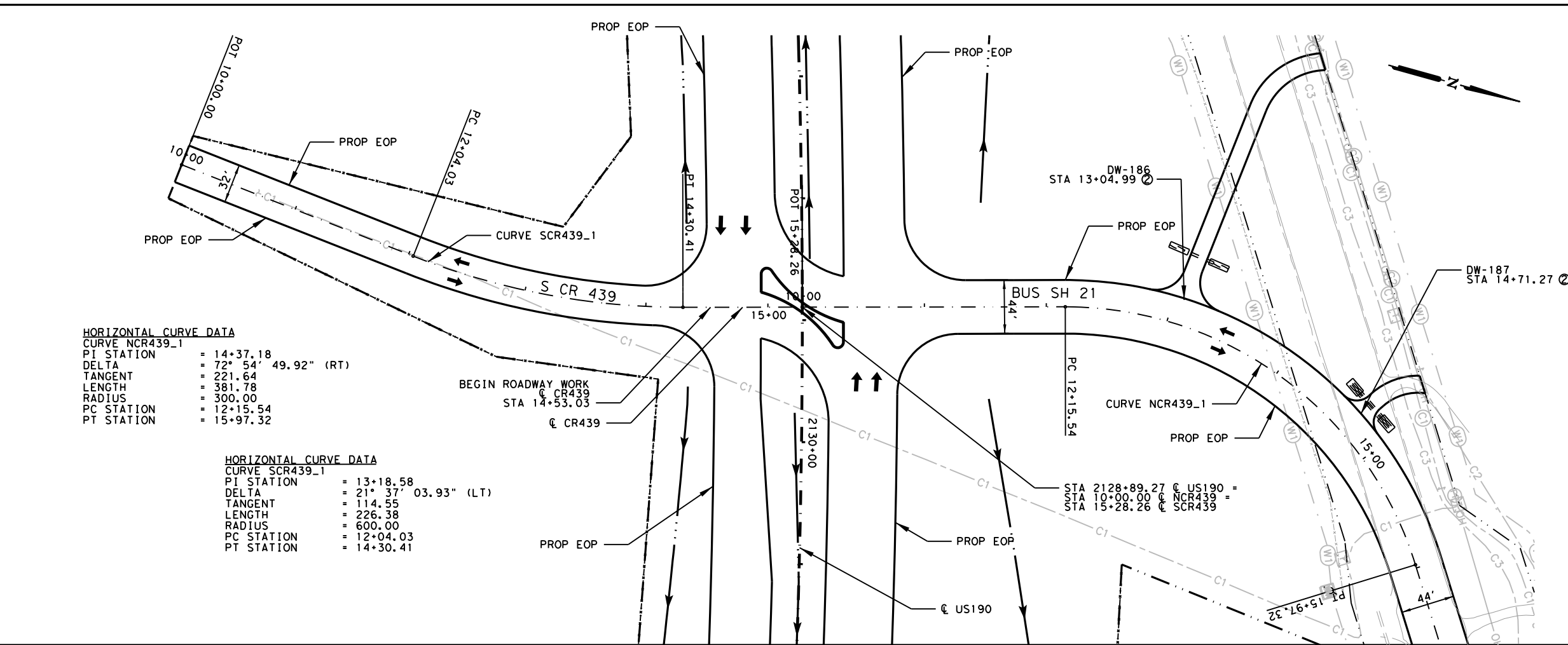
HORIZONTAL CURVE DATA
 CURVE SCR439_1

PI STATION	= 13+18.58
DELTA	= 21° 37' 03.93" (LT)
TANGENT	= 114.55
LENGTH	= 226.38
RADIUS	= 600.00
PC STATION	= 12+04.03
PT STATION	= 14+30.41

- LEGEND:**
- EXISTING FEATURES/TOPOGRAPHY
 - PROPOSED FEATURES
 - CENTER/GEOMETRIC CONTROL LINES
 - - - EXISTING RIGHT-OF-WAY
 - - - PROPOSED RIGHT-OF-WAY
 - ▭ WOTUS PERMIT LIMITS
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 - ▧ STONE PROTECTION RIPRAP
 - EXISTING FENCE
 - OHT --- EXISTING OVERHEAD TELECOM
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NOTE:

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- 3) SEE SIDE STREET PLAN AND PROFILE FOR MORE DETAILS.
- 4) SEE CULVERT STRUCTURE LAYOUTS AND DRAINAGE AREA MAPS FOR MORE INFORMATION.
- 5) FENCING, CATTLE GUARDS, AND GATES SHOWN ARE NSPI AND FOR THE CONTRACTOR'S INFORMATION ONLY. IF FENCING HAS NOT BEEN INSTALLED BY PROPERTY OWNER ALONG ROW, CONTRACTOR SHALL ALERT THE ENGINEER AND PROVIDE A SUMMARY OF AREAS IN WHICH PROPERTY OWNERS HAVE NOT PROPERLY CONSTRUCTED FENCING OR GATES, PER TXDOT STANDARD.



0 50' 100'
 H SCALE: 1" = 100'
 V SCALE: 1" = 10'

STATE OF TEXAS
 STAR
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/20/2024

GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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 Texas Department of Transportation

US 190
 CROSS STREET
 PLAN AND PROFILE
 CR439

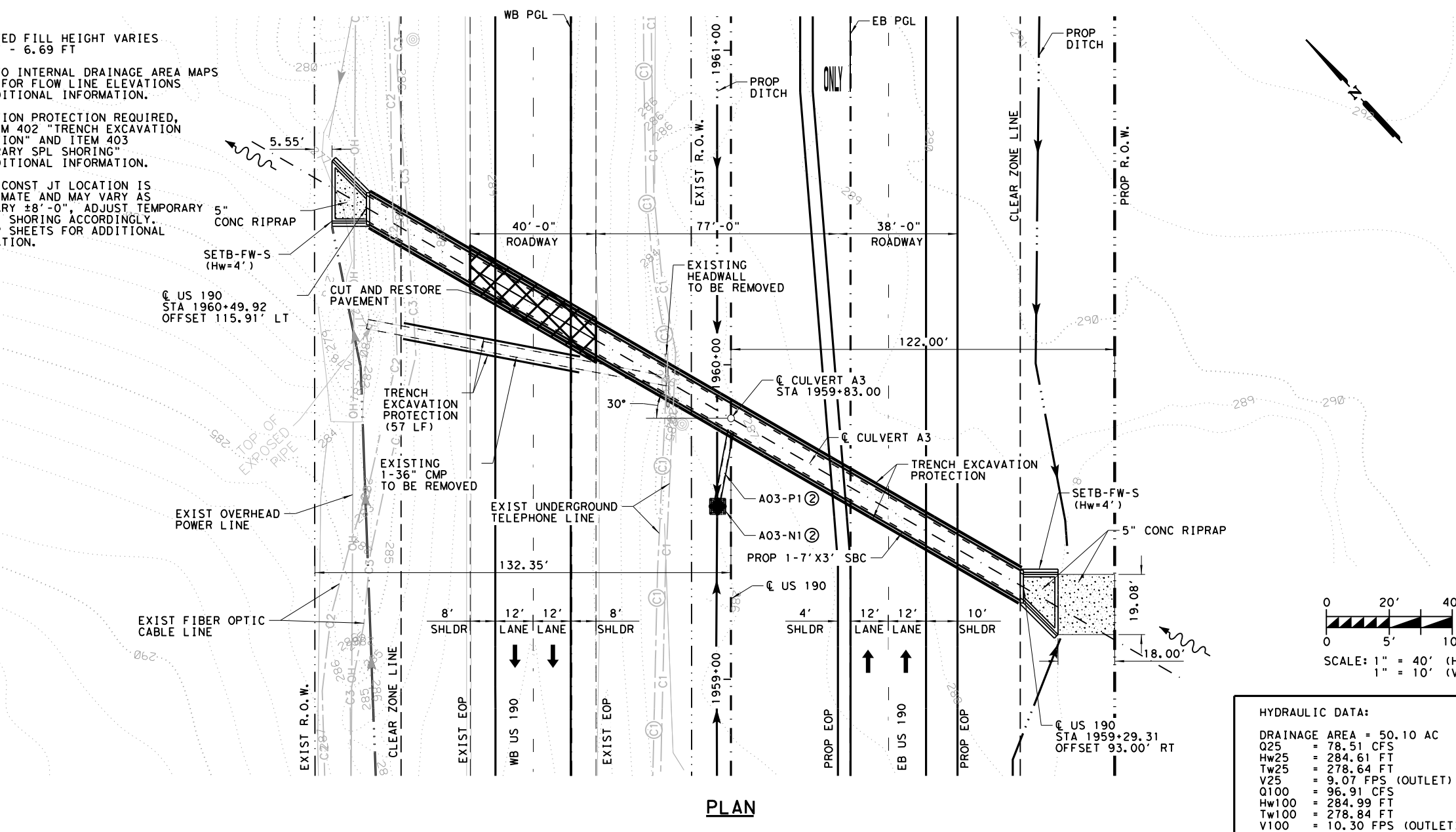
SHEET 5 OF 18

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	750
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	SHIFTED PROFILE VIEW	SAJ

DATE: 10/28/2024 11:16:16 AM
 FILE: pw:\garver-pw-bent\ey.com\garver-pw-01\Documents\2017\17207601 - US 190 PS&E\11_Subconsultant\ant_Des\ign_CSJ_024_034_035\0117-03-024\Drawings\04_DRAINAGE\US190_EX_CULV_04.dgn

- NOTES:**
- ESTIMATED FILL HEIGHT VARIES 0.92 FT - 6.69 FT
 - REFER TO INTERNAL DRAINAGE AREA MAPS SHEETS FOR FLOW LINE ELEVATIONS AND ADDITIONAL INFORMATION.
 - EXCAVATION PROTECTION REQUIRED, SEE ITEM 402 "TRENCH EXCAVATION PROTECTION" AND ITEM 403 "TEMPORARY SPL SHORING" FOR ADDITIONAL INFORMATION.
 - PHASED CONST JT LOCATION IS APPROXIMATE AND MAY VARY AS NECESSARY ±8'-0", ADJUST TEMPORARY SPECIAL SHORING ACCORDINGLY. SEE TCP SHEETS FOR ADDITIONAL INFORMATION.



LEGEND:

- CENTERLINE OF ROADWAY
- EXISTING ROW
- PROPOSED ROW
- EXISTING EOP
- PROPOSED EOP
- == EXISTING CULVERT
- == PROPOSED CULVERT
- FLOW ARROW

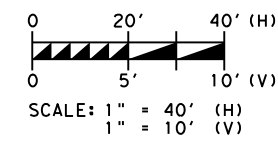
GENERAL NOTES:

DESIGN IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2017, 8TH EDITION, WITH CURRENT INTERIMS FOR HL 93 LOADING.

THE PROPOSED HYDRAULIC CROSSING WAS DESIGNED TO CONVEY THE 25-YR DESIGN STORM WITHOUT ALLOWING OVERTOPPING OF THE PROPOSED ROADWAY SURFACE. THE 100-YR DESIGN STORM WAS THEN CHECKED TO ENSURE NO ADVERSE IMPACTS TO THE FLOODPLAIN. THE HEC-RAS CROSS SECTIONS USED TO ESTIMATE THE HYDRAULIC DATA FOR THE CULVERT LAYOUT AT THE UPSTREAM CULVERT FACE.

CONTRACTOR MUST VERIFY THE LOCATIONS AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTIONS AND FABRICATIONS.

DESIGN SPEED = 70 MPH
 FUNCTIONAL CLASS = RURAL PRINCIPAL ARTERIAL
 ADT: 10,200 (2024), 13,800 (2044)



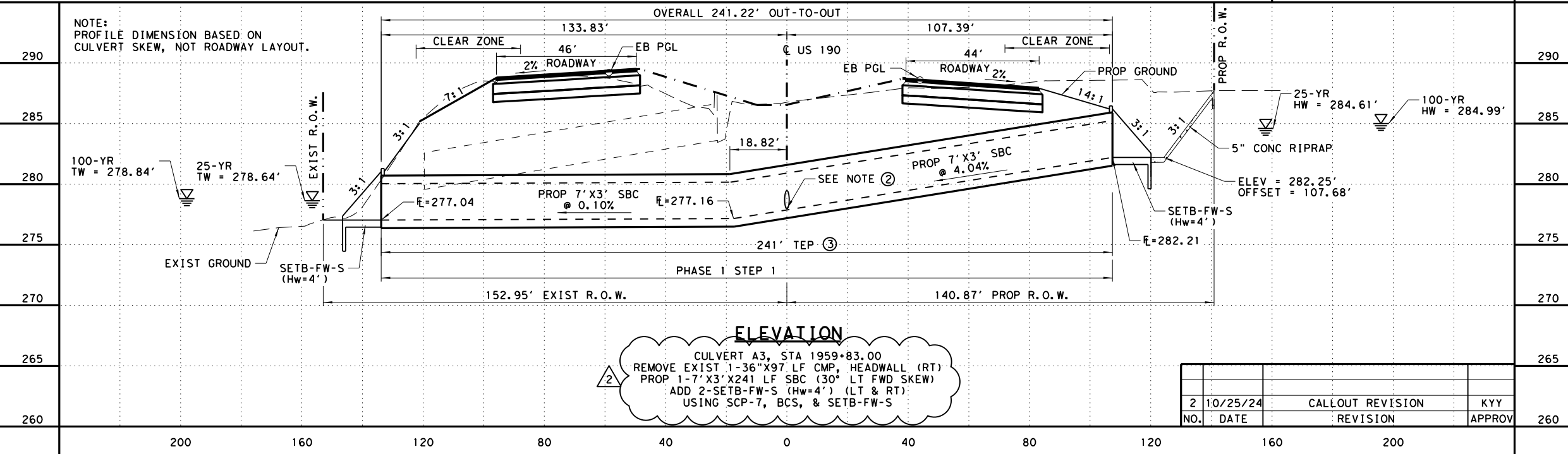
HYDRAULIC DATA:

DRAINAGE AREA	= 50.10 AC
Q25	= 78.51 CFS
Hw25	= 284.61 FT
Tw25	= 278.64 FT
V25	= 9.07 FPS (OUTLET)
Q100	= 96.91 CFS
Hw100	= 284.99 FT
Tw100	= 278.84 FT
V100	= 10.30 FPS (OUTLET)

6/20/2024

Kee Yeon Yang

PLAN



ELEVATION

CULVERT A3, STA 1959+83.00
 REMOVE EXIST 1-36" X 97 LF CMP, HEADWALL (RT)
 PROP 1-7' X 3' X 241 LF SBC (30° LT FWD SKEW)
 ADD 2-SETB-FW-S (Hw=4') (LT & RT)
 USING SCP-7, BCS, & SETB-FW-S

NO.	DATE	CALLOUT REVISION	APPROV
2	10/25/24	CALLOUT REVISION	KYY

NO. DATE REVISION APPROVED

Civil Corp
 ENGINEERS - SURVEYORS
 2825 WILCREST DRIVE, SUITE 100, HOUSTON TEXAS 77042
 TEL: 713-785-9815 FAX: 713-782-6922 TWP: F-10283

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US 190

CULVERT LAYOUT
CULVERT A3

SHEET 1 OF 1

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	889
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

DATE: 10/28/2024 11:40:01 AM
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- ① ESTIMATED FILL HEIGHT VARIES 0.81 FT - 1.53 FT
- ② MEASURED ALONG NORMAL LINE EXTENDING THROUGH INTERSECTION OF CULVERT & US 190
- ③ MEASURED ALONG CULVERT
- ④ TEMPORARY SPECIAL SHORING REQUIRED. SEE ITEM 403 "TEMPORARY SPL SHORING" FOR ADDITIONAL INFORMATION.
- ⑤ SEE TCP SHEETS FOR ADDITIONAL INFORMATION.
- ⑥ REFER TO INTERNAL DRAINAGE AREA MAPS SHEETS FOR FLOW LINE ELEVATIONS AND ADDITIONAL INFORMATION.
- ⑦ TRANSITION AREA SHOWN IN DETAIL "A", CONSTRUCTION AND MATERIALS TO BE INCIDENTAL TO CULVERT EXTENSION WORK.

GENERAL NOTES:

DESIGN IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2017, 8TH EDITION, WITH CURRENT INTERIMS FOR HL 93 LOADING.

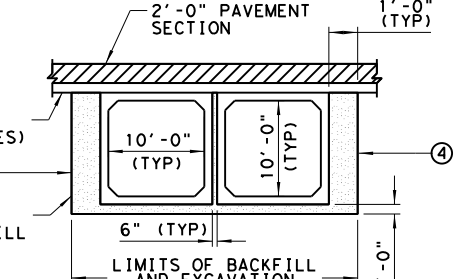
THE PROPOSED HYDRAULIC CROSSING WAS DESIGNED TO CONVEY THE 25-YR DESIGN STORM WITHOUT ALLOWING OVERTOPPING OF THE PROPOSED ROADWAY SURFACE. THE 100-YR DESIGN STORM WAS THEN CHECKED TO ENSURE NO ADVERSE IMPACTS TO THE FLOODPLAIN. THE HEC-RAS CROSS SECTIONS USED TO ESTIMATE THE HYDRAULIC DATA FOR THE CULVERT LAYOUT AT THE UPSTREAM CULVERT FACE.

CONTRACTOR MUST VERIFY THE LOCATIONS AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTIONS AND FABRICATIONS.

WALL HEIGHTS "Hw" SHOWN ARE ROUNDED UP TO THE NEAREST FOOT FOR BIDDING PURPOSES. USE CALCULATED Hw IN BCS SHEET FOR SIZING WINGWALLS AND SELECTING REINFORCEMENT SCHEDULE. USE NEXT HIGHEST AVAILABLE WALL HEIGHT IN WALL STANDARD.

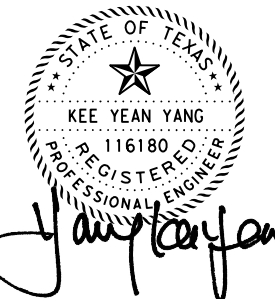
DESIGN SPEED = 70 MPH
 FUNCTIONAL CLASS = RURAL PRINCIPAL ARTERIAL
 ADT: 10,200 (2024), 13,800 (2044)

EXIST NBI NO. : 17-154-0-0117-03-017
 PROP NBI NO. : N/A

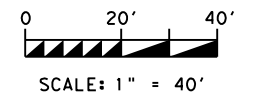


EMBankment & CEMENT STABILIZED BACKFILL & EXCAVATION DETAIL (NTS)

HS 20 LOADING (EXISTING)
 HL 93 LOADING (EXTENSION)

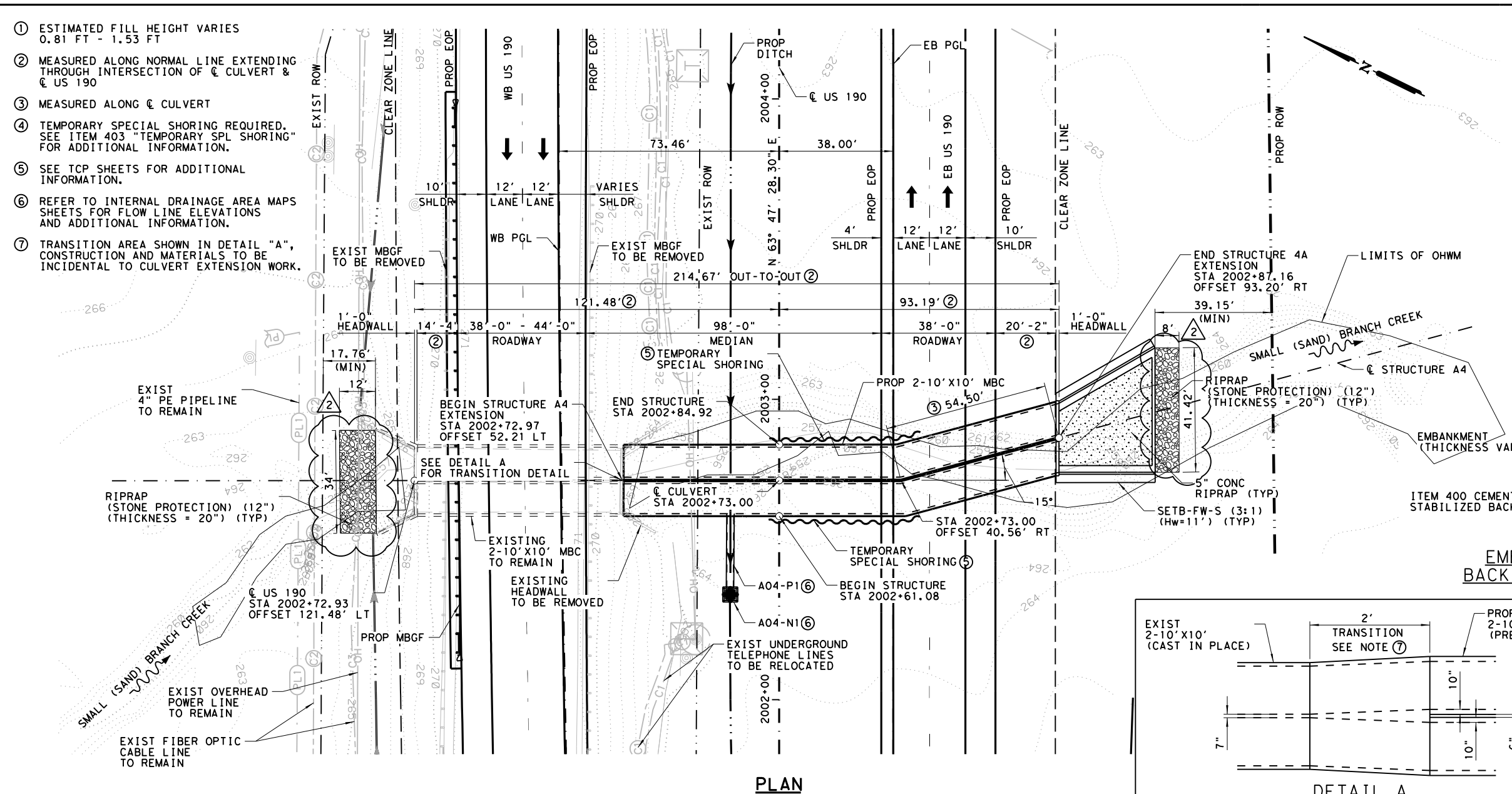


6/20/2024

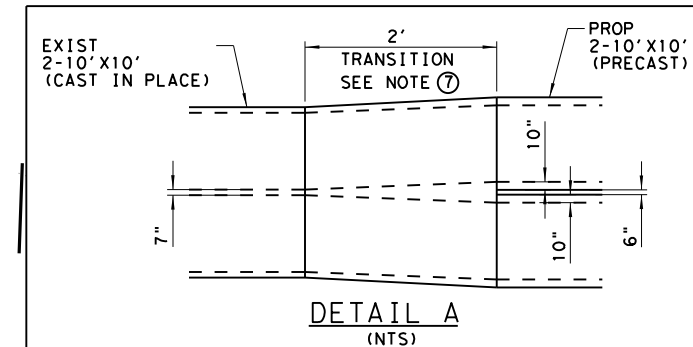


**US 190
 CULVERT LAYOUT
 STRUCTURE A4
 AT SMALL (SAND) BRANCH CREEK**

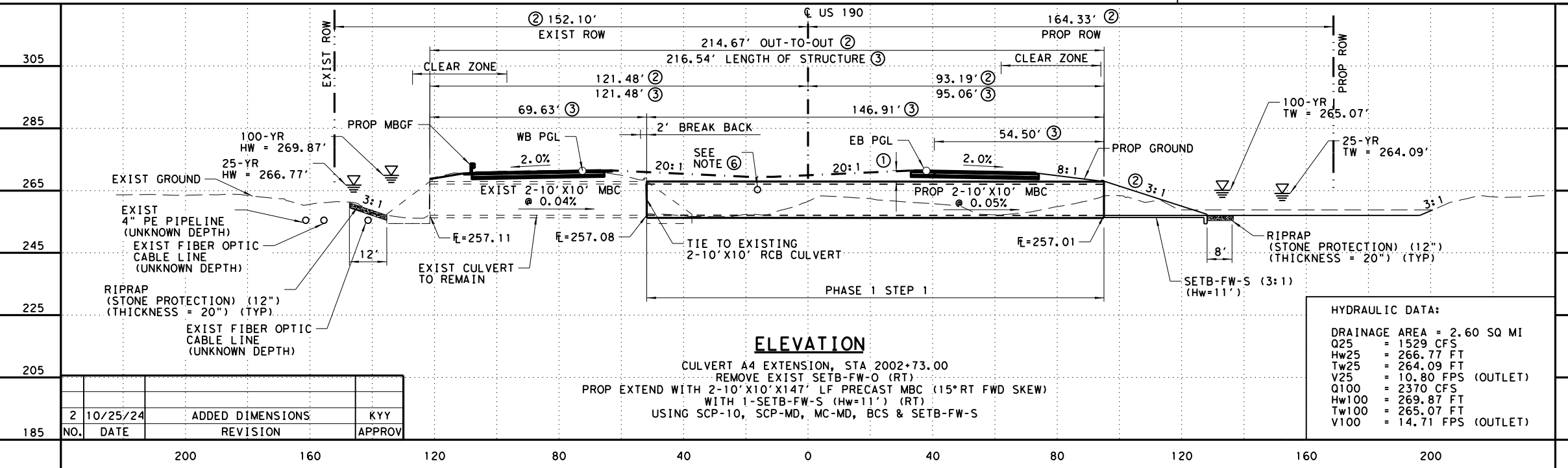
SHEET 1 OF 1		
FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	891
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.



PLAN



DETAIL A (NTS)



ELEVATION

HYDRAULIC DATA:

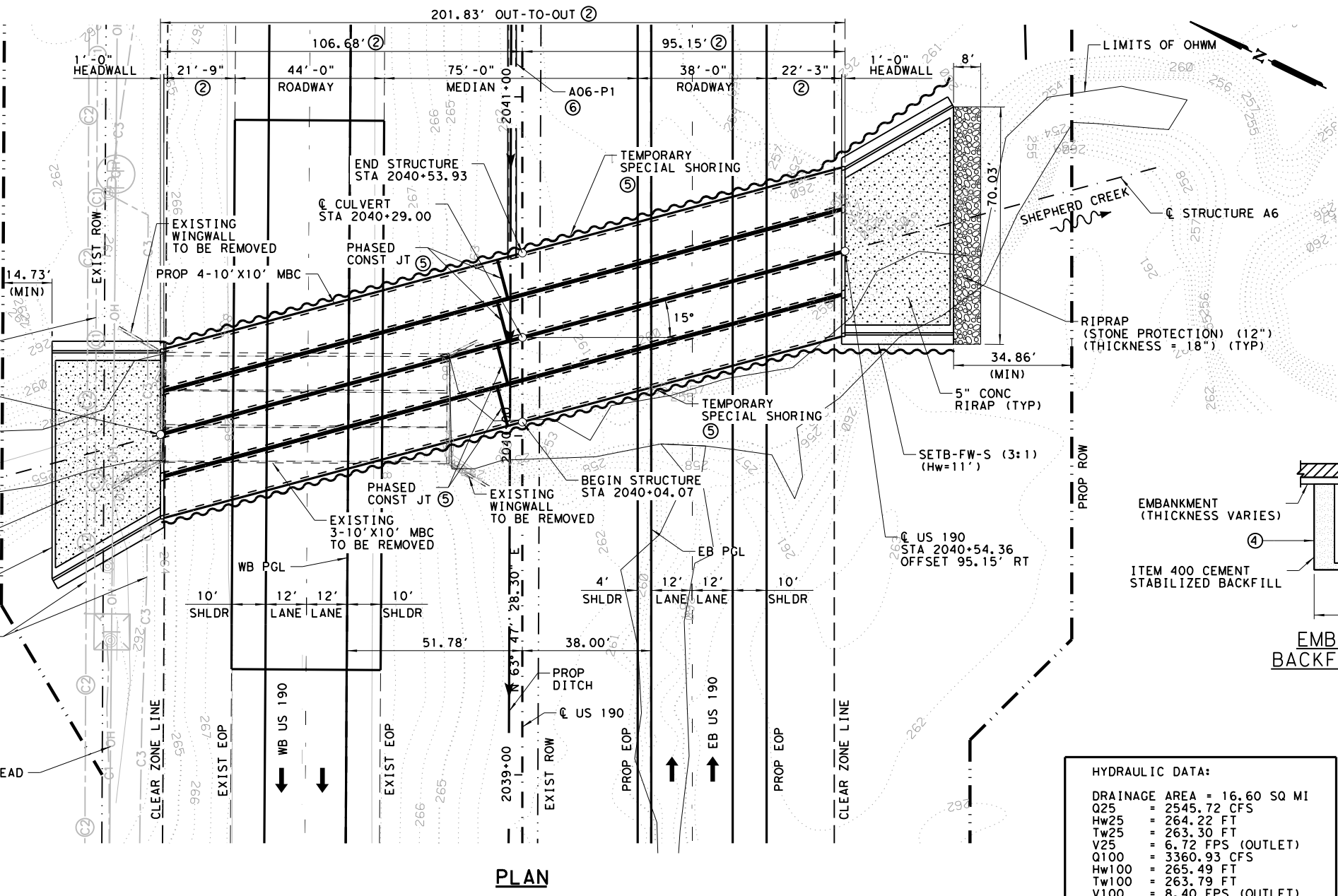
DRAINAGE AREA	= 2.60 SQ MI
Q25	= 1529 CFS
Hw25	= 266.77 FT
Tw25	= 264.09 FT
V25	= 10.80 FPS (OUTLET)
Q100	= 2370 CFS
Hw100	= 269.87 FT
Tw100	= 265.07 FT
V100	= 14.71 FPS (OUTLET)

CULVERT A4 EXTENSION, STA 2002+73.00
 REMOVE EXIST SETB-FW-O (RT)
 PROP EXTEND WITH 2-10' X 10' X 147' LF PRECAST MBC (15° RT FWD SKEW)
 WITH 1-SETB-FW-S (Hw=11') (RT)
 USING SCP-10, SCP-MD, MC-MD, BCS & SETB-FW-S

NO.	DATE	ADDED DIMENSIONS	APPROV
2	10/25/24		KYY
185		REVISION	

DATE: 10/28/2024 11:16:28 AM
 FILE: \\garver-pw-bentley.com\garver-pw-01\Documents\2017\17207601 - US 190 PS&E\11-Subconsultant\Drawings\04-DRAINAGE\US190_EXC_CULV_09.dgn

- ① ESTIMATED FILL HEIGHT VARIES 1.09 FT - 3.81 FT
- ② MEASURED ALONG NORMAL LINE EXTENDING THROUGH INTERSECTION OF CULVERT & US 190
- ③ MEASURED ALONG CULVERT
- ④ TEMPORARY SPECIAL SHORING REQUIRED. SEE ITEM 403 "TEMPORARY SPL SHORING" FOR ADDITIONAL INFORMATION.
- ⑤ PHASED CONST JT LOCATION IS APPROXIMATE AND MAY VARY AS NECESSARY ±8'-0", ADJUST TEMPORARY SPECIAL SHORING ACCORDINGLY. SEE TCP SHEETS FOR ADDITIONAL INFORMATION.
- ⑥ REFER TO INTERNAL DRAINAGE AREA MAPS SHEETS FOR FLOW LINE ELEVATIONS AND ADDITIONAL INFORMATION.



PLAN

GENERAL NOTES:

DESIGN IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2017, 8TH EDITION, WITH CURRENT INTERIMS FOR HL 93 LOADING.

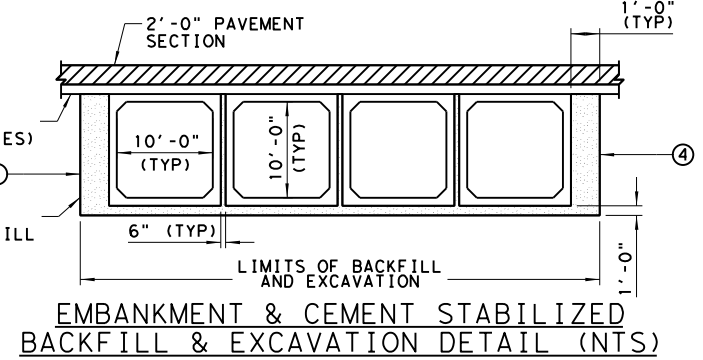
THE PROPOSED HYDRAULIC CROSSING WAS DESIGNED TO CONVEY THE 25-YR DESIGN STORM WITHOUT ALLOWING OVERTOPPING OF THE PROPOSED ROADWAY SURFACE. THE 100-YR DESIGN STORM WAS THEN CHECKED TO ENSURE NO ADVERSE IMPACTS TO THE FLOODPLAIN. THE HEC-RAS CROSS SECTIONS USED TO ESTIMATE THE HYDRAULIC DATA FOR THE CULVERT LAYOUT AT THE UPSTREAM CULVERT FACE.

CONTRACTOR MUST VERIFY THE LOCATIONS AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTIONS AND FABRICATIONS.

WALL HEIGHTS "Hw" SHOWN ARE ROUNDED UP TO THE NEAREST FOOT FOR BIDDING PURPOSES. USE CALCULATED Hw IN BCS SHEET FOR SIZING WINGWALLS AND SELECTING REINFORCEMENT SCHEDULE. USE NEXT HIGHEST AVAILABLE WALL HEIGHT IN WALL STANDARD.

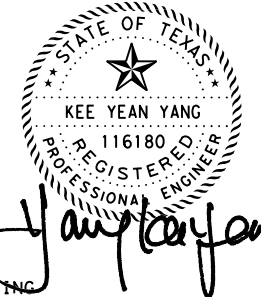
DESIGN SPEED = 70 MPH
 FUNCTIONAL CLASS = RURAL PRINCIPAL ARTERIAL
 ADT: 10,200 (2024), 13,800 (2044)

EXIST NBI NO. : 17-154-0-0117-03-069
 PROP NBI NO. : 17-154-0-0117-03-211

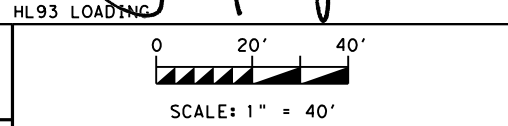


HYDRAULIC DATA:

DRAINAGE AREA	= 16.60 SQ MI
Q25	= 2545.72 CFS
Hw25	= 264.22 FT
Tw25	= 263.30 FT
V25	= 6.72 FPS (OUTLET)
Q100	= 3360.93 CFS
Hw100	= 265.49 FT
Tw100	= 263.79 FT
V100	= 8.40 FPS (OUTLET)



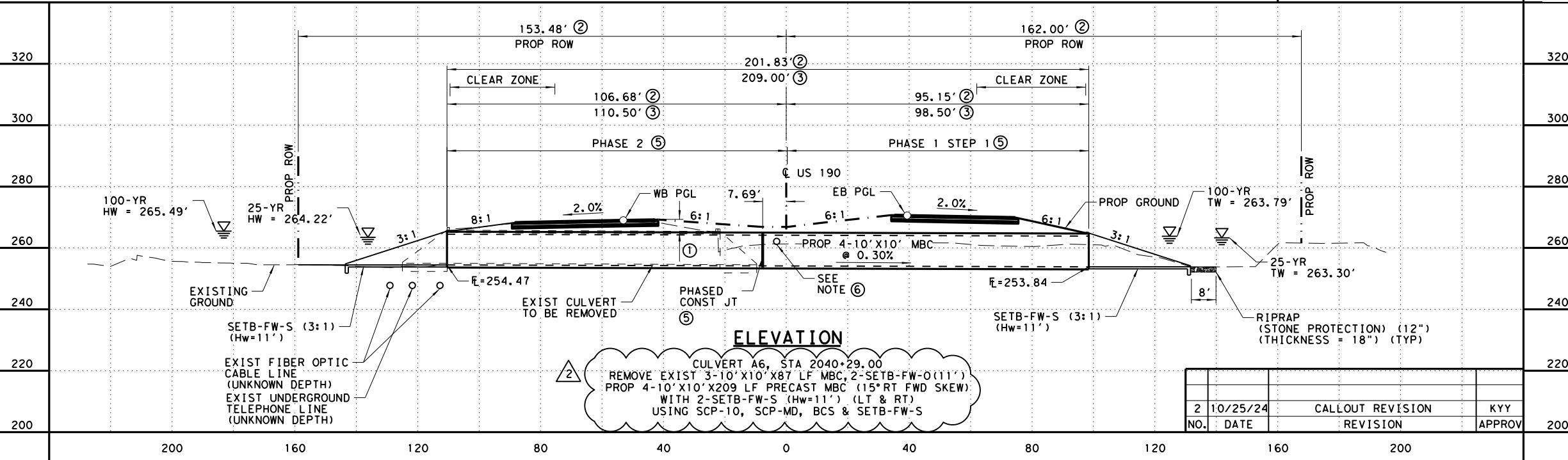
6/20/2024



US 190
CULVERT LAYOUT
 STRUCTURE A6
 AT SHEPHERD CREEK

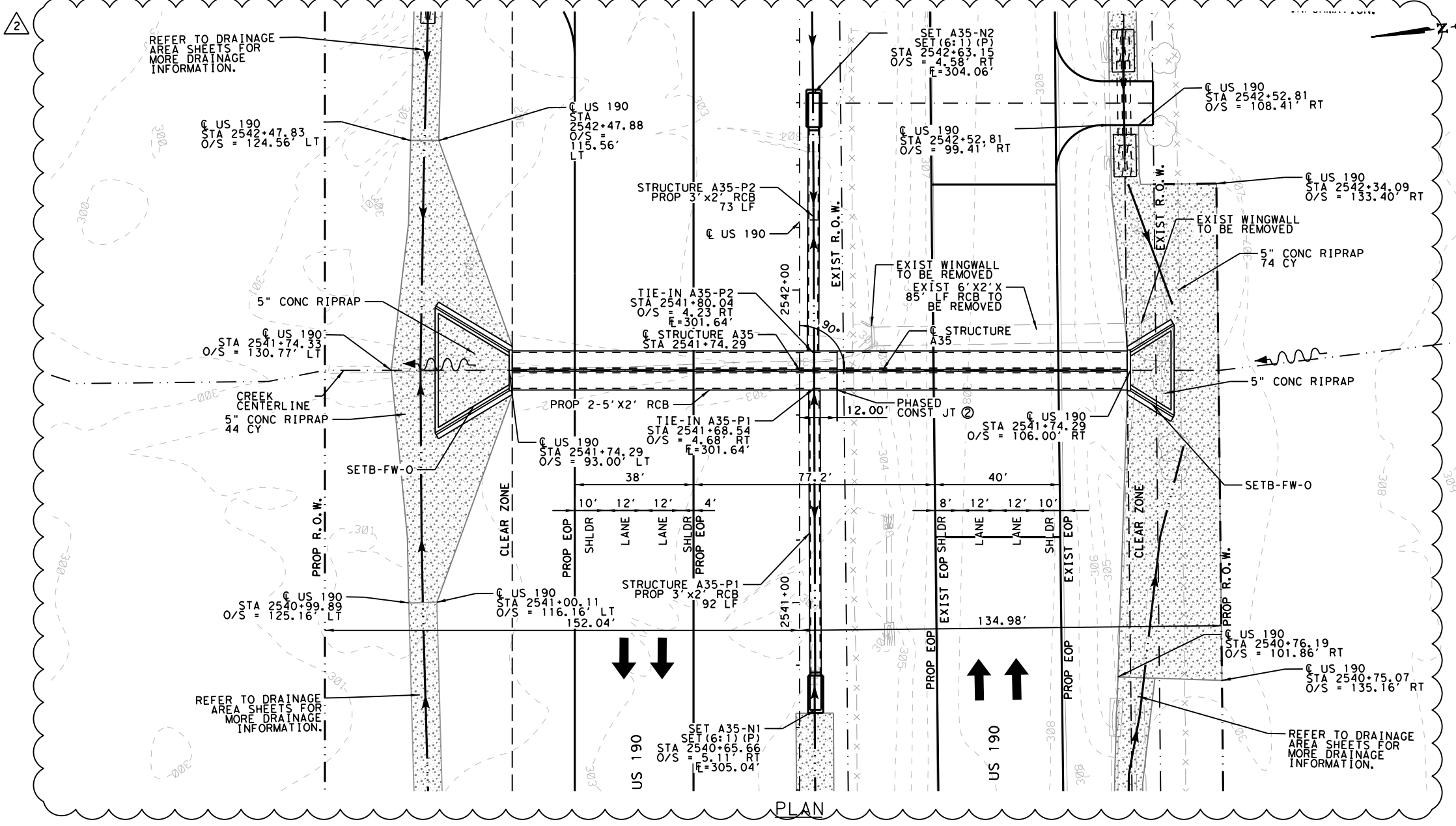
SHEET 1 OF 1

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	894
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.



ELEVATION

DATE: 10/28/2024 11:21:14 AM
 FILE: \\garver-pw-bentley.com\garver-pw-01\Documents\2017\17207601 - US 190 PS&E\06_Drawings_MAIN\04_DRAINAGE\US190_STR_A35.dgn



LEGEND:

- CENTERLINE OF ROADWAY
- EXIST ROW
- PROP ROW
- EXIST EOP
- PROP EOP
- == EXIST CULVERT
- == PROP CULVERT
- FLOW ARROW

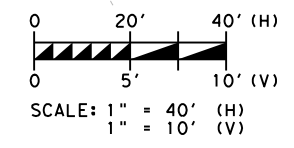
GENERAL NOTES:

DESIGN IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2017, 8TH EDITION, WITH CURRENT INTERIMS FOR HL 93 LOADING.

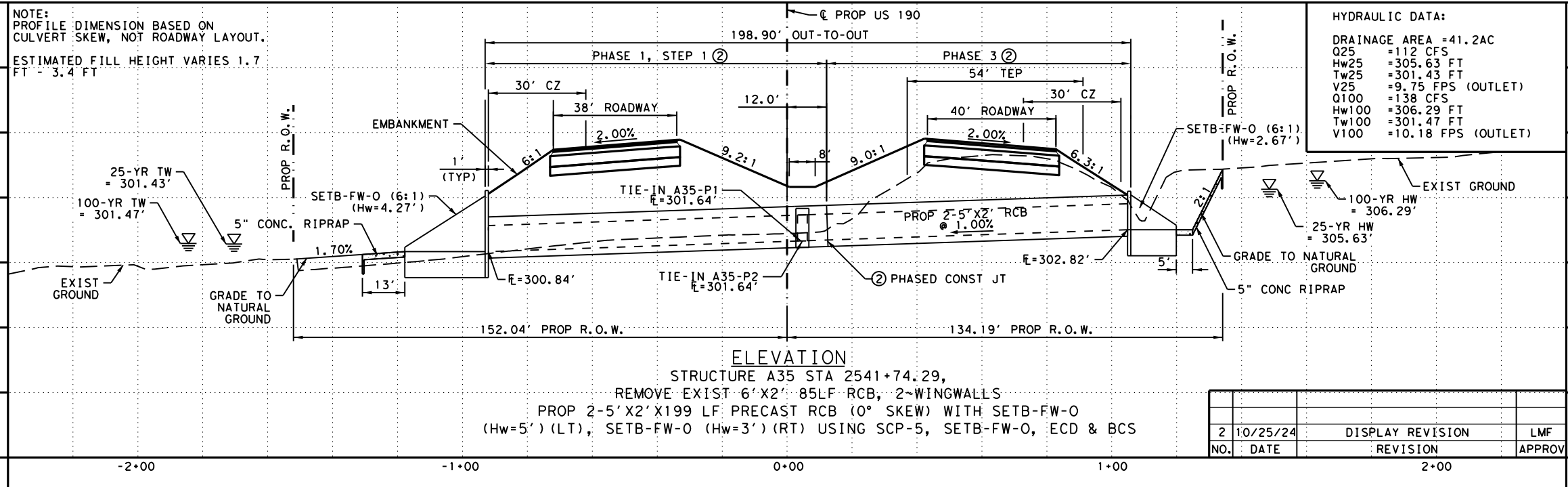
THE PROPOSED HYDRAULIC CROSSING WAS DESIGNED TO CONVEY THE 25-YR DESIGN STORM WITHOUT ALLOWING OVERTOPPING OF THE PROPOSED ROADWAY SURFACE. THE 100-YR DESIGN STORM WAS THEN CHECKED TO ENSURE A LESS THAN 1-FT RISE IN WATER SURFACE ELEVATION. THE HYDRAULIC DATA FOR THE CULVERT WAS TAKEN FROM THE MODEL CROSS SECTION LOCATED JUST UPSTREAM OF THE CULVERT.

DESIGN SPEED = 70 MPH
 FUNCTIONAL CLASS = PRINCIPAL ARTERIAL
 EXISTING ADT (2024) = 10,200
 FUTURE ADT (2044) = 13,800

- EXCAVATION PROTECTION REQUIRED, SEE ITEM 402 "TRENCH EXCAVATION PROTECTION" FOR ADDITIONAL INFORMATION.
- PHASE CONST JT LOCATION IS APPROXIMATE AND MAY VARY AS NECESSARY ± 8'-0". ADJUST TEMPORARY SPECIAL SHORING ACCORDINGLY. SEE TCP SHEETS FOR ADDITIONAL INFORMATION.



Laura M. Friello



HYDRAULIC DATA:

DRAINAGE AREA	= 41.2AC
Q25	= 112 CFS
Hw25	= 305.63 FT
Tw25	= 301.43 FT
V25	= 9.75 FPS (OUTLET)
Q100	= 138 CFS
Hw100	= 306.29 FT
Tw100	= 301.47 FT
V100	= 10.18 FPS (OUTLET)

NO.	DATE	REVISION	APPROVED

3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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US 190

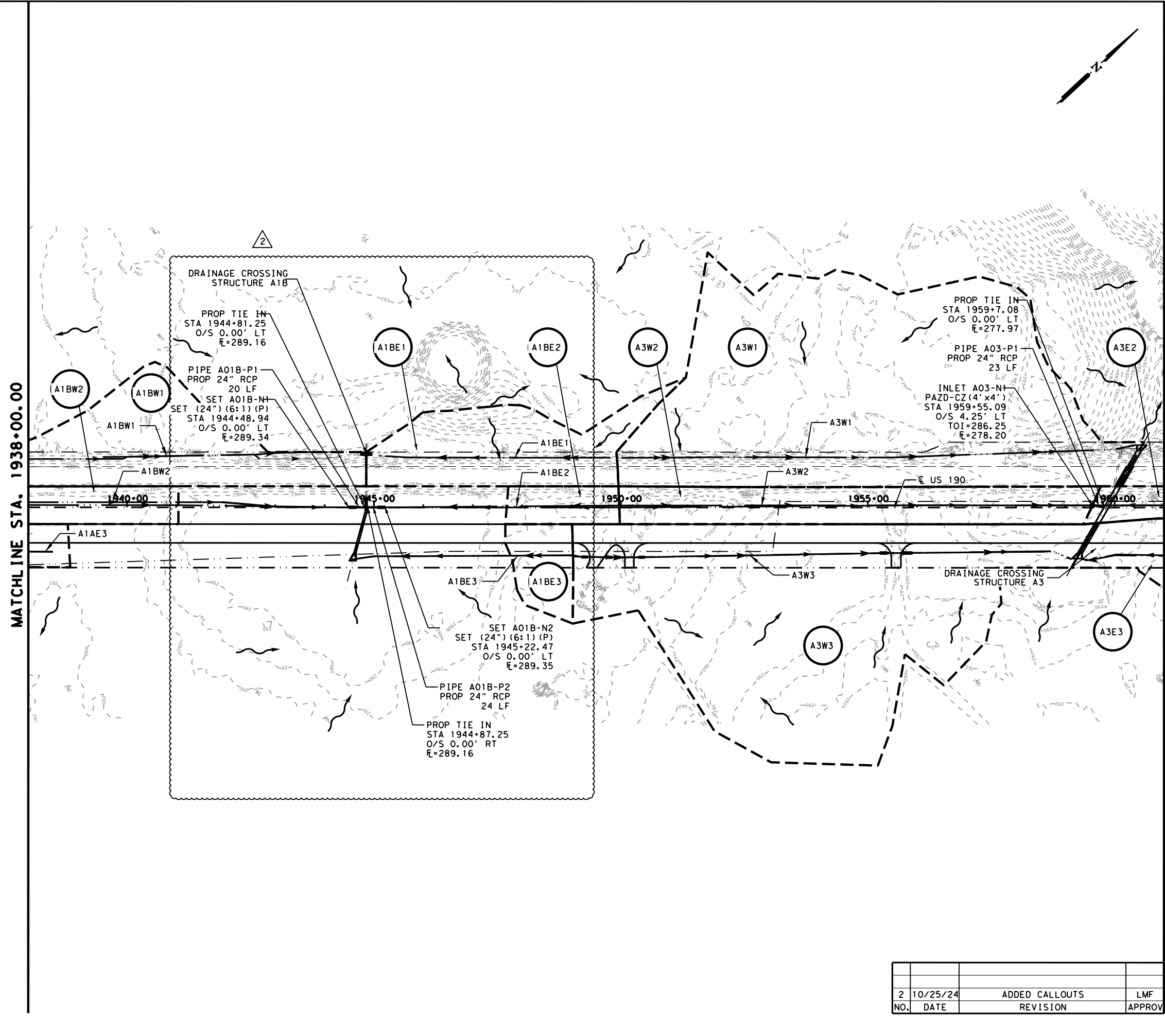
**CULVERT LAYOUT
 STRUCTURE A35**

SHEET 1 OF 1

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	926
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	DISPLAY REVISION	LMF

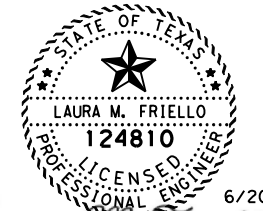
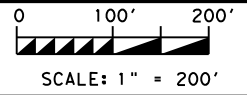
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LEGEND:

- DRAINAGE AREA
- FLOW PATTERN
- DRAINAGE AREA
- EXISTING TOPOGRAPHY
- PROPOSED ROW
- PROPOSED FEATURES
- DITCH FLOWPATH

- NOTES:**
- 1 FT CONTOURS OBTAINED FROM A COMBINATION OF LIDAR AND LOCAL SURVEY.
 - ALL PROPOSED RCP IS CLASS III UNLESS NOTED OTHERWISE.
 - REFER TO DRIVEWAY TABLES FOR INFORMATION REGARDING DRIVEWAY PIPES.
 - REFER TO CULVERT LAYOUT SHEETS FOR INFORMATION REGARDING MEDIAN PIPE DRAINS.



Laura M. Friello

GARVER 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

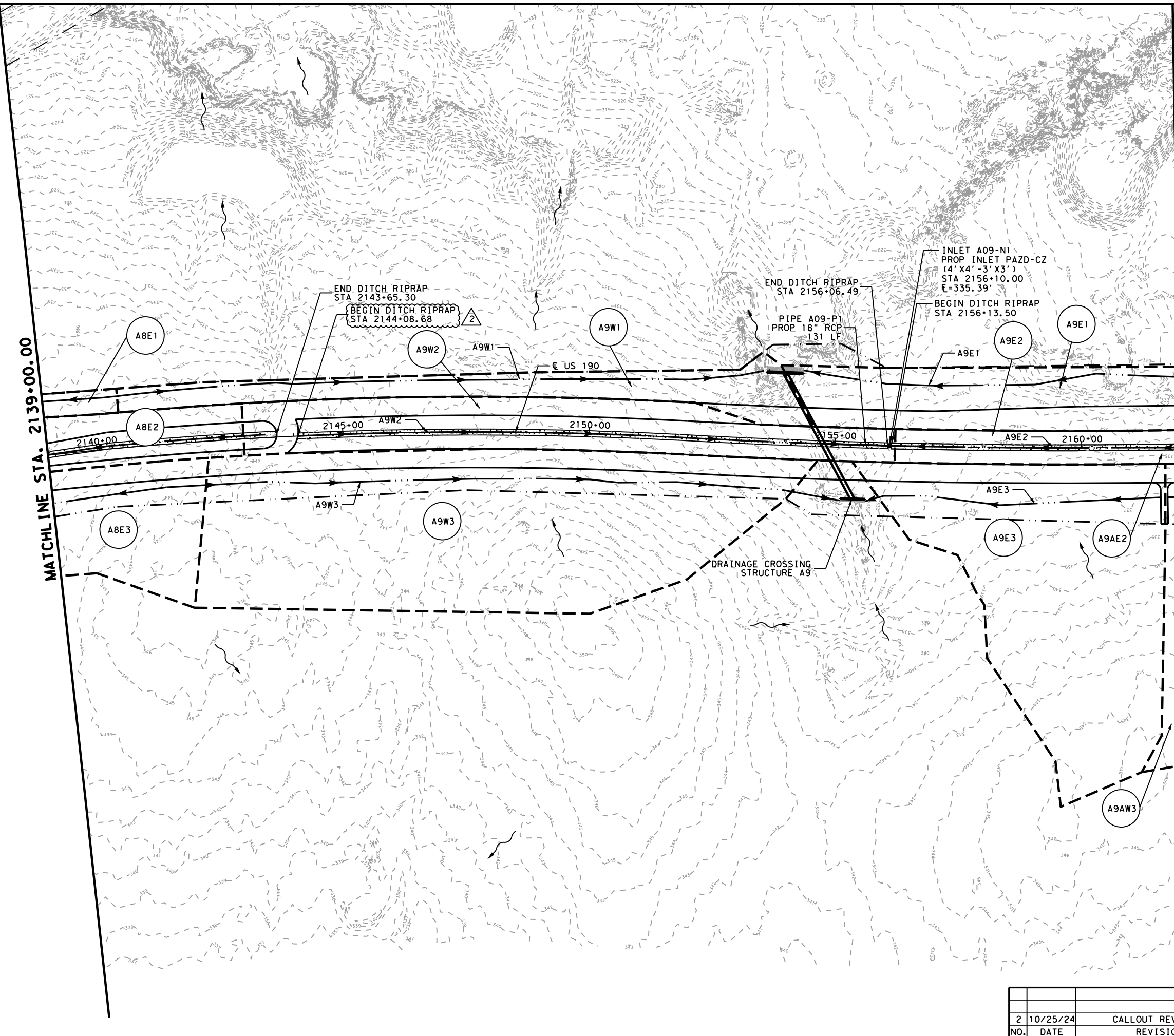


US 190
 INTERNAL
 DRAINAGE AREA MAP
 STA 1938+00 TO STA 1961+00

SHEET 4 OF 40		FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
		6	SEE TITLE SHEET	942
STATE	DISTRICT	COUNTY		
TEXAS	BRY	MADISON		
CONTROL	SECTION	JOB	HIGHWAY	
0117	03	024, ETC.	US 190, ETC.	

NO.	DATE	REVISION	APPROV
2	10/25/24	ADDED CALLOUTS	LMF

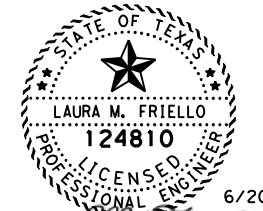
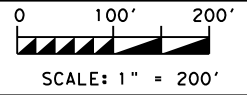
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LEGEND:

- DRAINAGE AREA
- FLOW PATTERN
- DRAINAGE AREA
- EXISTING TOPOGRAPHY
- PROPOSED ROW
- PROPOSED FEATURES
- DITCH FLOWPATH

- NOTES:**
- 1 FT CONTOURS OBTAINED FROM A COMBINATION OF LIDAR AND LOCAL SURVEY.
 - ALL PROPOSED RCP IS CLASS III UNLESS NOTED OTHERWISE.
 - REFER TO DRIVEWAY TABLES FOR INFORMATION REGARDING DRIVEWAY PIPES.
 - REFER TO CULVERT LAYOUT SHEETS FOR INFORMATION REGARDING MEDIAN PIPE DRAINS.



Laura M. Friello
 6/20/2024

GARVER
 3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713



US 190
 INTERNAL
 DRAINAGE AREA MAP
 STA 2139+00 TO STA 2162+00
 SHEET 13 OF 40

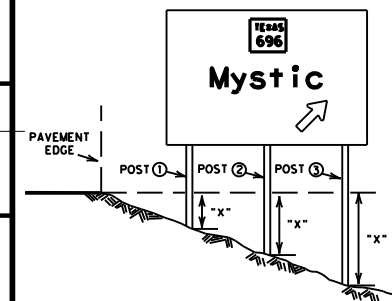
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6	SEE TITLE SHEET		951
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	CALLOUT REVISION	LMF

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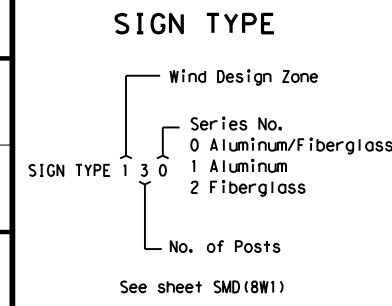
SUMMARY OF LARGE SIGNS

PLAN SHEET NO.	SIGN NO.	SIGN BACK-GROUND COLOR	SIGN TEXT	SIGN DIMENSIONS	PLAQUES, & OTHER ATTACHMENTS		BACKGROUND SUBSTRATE (SQ FT)		TYPE OF MOUNT	"X" DIMENSION @			GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT				
					DIRECT APPLY	* ALUMINUM (TYPE A)	GROUND MOUNT (TYPE G)	OVERHEAD (TYPE O)		post ①	post ②	post ③	SIZE	LINEAR FEET			TOTAL WEIGHT LBS.	LINEAR FEET REINFORCED			
													12"φ	24"φ	30"φ	36"φ					
1258	1	GREEN		36" X 36" 15'6" X 10'0"	9.00			155.00	121	3.47	3.63	-	W8 X 21	20.72	20.88	-	873.67		12		
1260	2	GREEN		36" X 36" 15'6" X 10'0"	9.00			155.00	121	2.57	1.06	-	W6 X 15	19.83	18.32	-	572.27		10		
1261	3	GREEN		36" X 36" 15'6" X 10'6"	9.00			162.75	121	5.77	8.10	-	W10 X 26	23.47	25.80	-	1281.15		16		
1261	4	GREEN		6'0" X 5'0"				30.00	121	1.47	2.07	-	W6 X 9	13.74	14.34	-	252.78		8		
1262	5	GREEN		36" X 36" 15'6" X 10'6"	9.00			162.75	121	3.85	5.40	-	W8 X 21	21.55	23.10	-	937.65		12		
1263	6	GREEN		36" X 36" 15'6" X 10'0"	9.00			155.00	121	3.85	5.40	-	W8 X 21	21.05	22.60	-	916.65		12		
1264	7	GREEN		36" X 36" 15'6" X 10'0"	9.00			155.00	121	3.85	5.02	-	W10 X 26	21.05	22.22	-	1125.02		14		
1292	8	GREEN		6'0" X 5'0"				30.00	121	1.13	1.72	-	W6 X 9	13.28	13.87	-	244.35		6		



The "x" dimension is the elevation difference at the post between the ground and the edge of pavement or top of curb.
 Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.
 The post lengths listed here are approximations. The corrected post lengths will be furnished by the Contractor after the stud posts are placed.
 Tower heights shall be verified with the Engineer before fabrication.

* This column is for aluminum Type A and not direct apply. Direct apply is subsidiary to the sign.



SUMMARY OF LARGE SIGNS SOLS

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DN. #	TxDOT	REVISIONS
0117	03	11-93 1-04
		8-95 9-08
		5-01

CONT	SECT	JOB	HIGHWAY
0117	03	024	US 190
DIST	COUNTY	SHEET NO.	
BRY	MADISON	1247	

DATE: FILE:

2	10/25/24	REVISED TOTAL	CEM
NO.	DATE	REVISION	APPROV

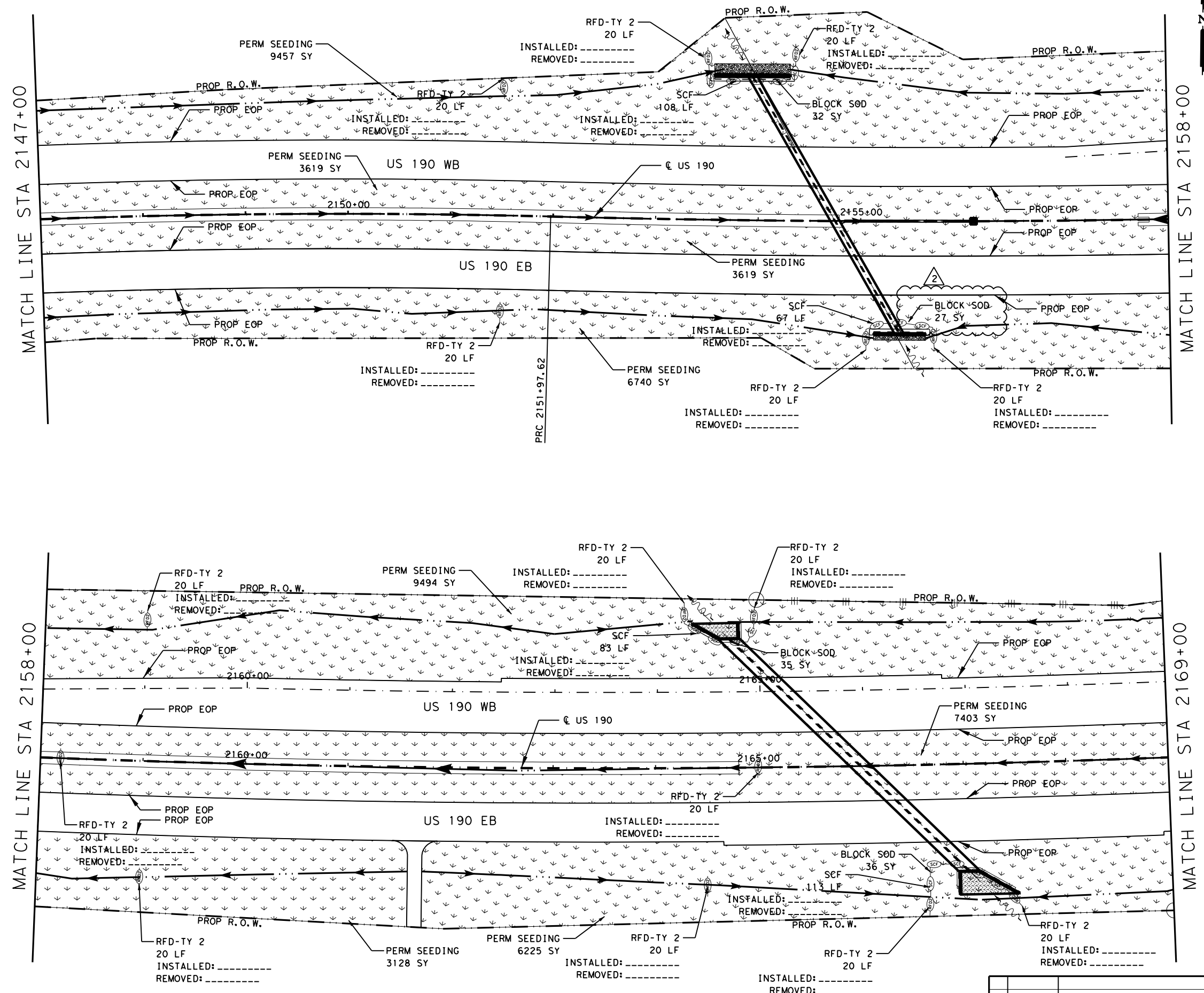
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PAGE TOTALS

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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- CENTERLINES AND CONTROL LINES
- EXISTING ROW
- PROPOSED ROW
- SCF - TEMPORARY SEDIMENT CONTROL FENCE
- RFD - ROCK FILTER DAM
- ECL - BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- TEMPORARY SEEDING
- PROP GABIONS
- PERMANENT SEEDING
- PERMANENT RIPRAP
- SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.

0 50' 100'
 SCALE: 1" = 100'

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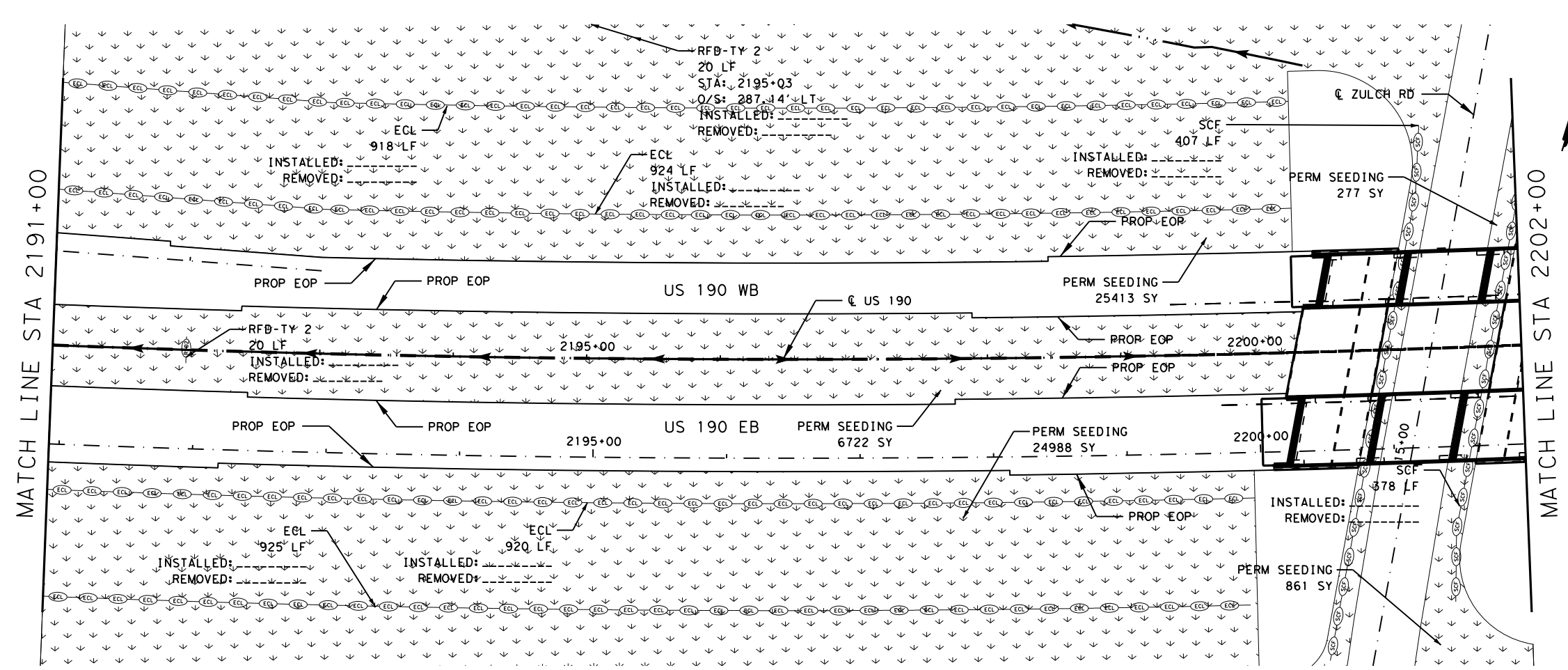
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US 190
 STORM WATER POLLUTION PREVENTION PLAN (SW3P) PHASE 01
 SHEET 13 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1361
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISION	SAJ

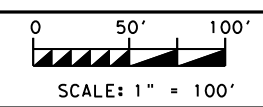
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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- SCF TEMPORARY SEDIMENT CONTROL FENCE
- RFD ROCK FILTER DAM
- ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▒ TEMPORARY SEEDING
- ▒ PROP GABIONS
- ▒ PERMANENT SEEDING
- ▒ PERMANENT RIPRAP
- ▒ SOIL RETENTION BLANKET

NOTE:
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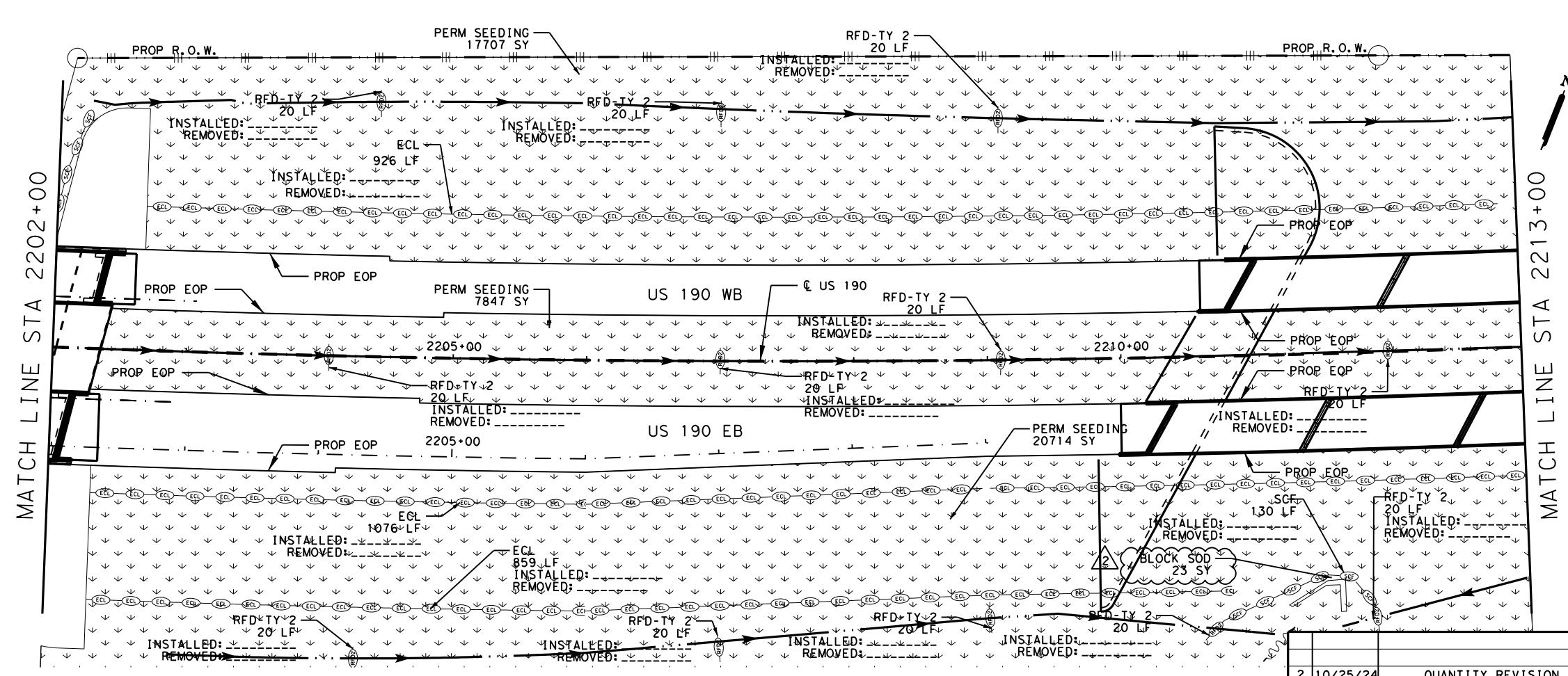
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US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 01

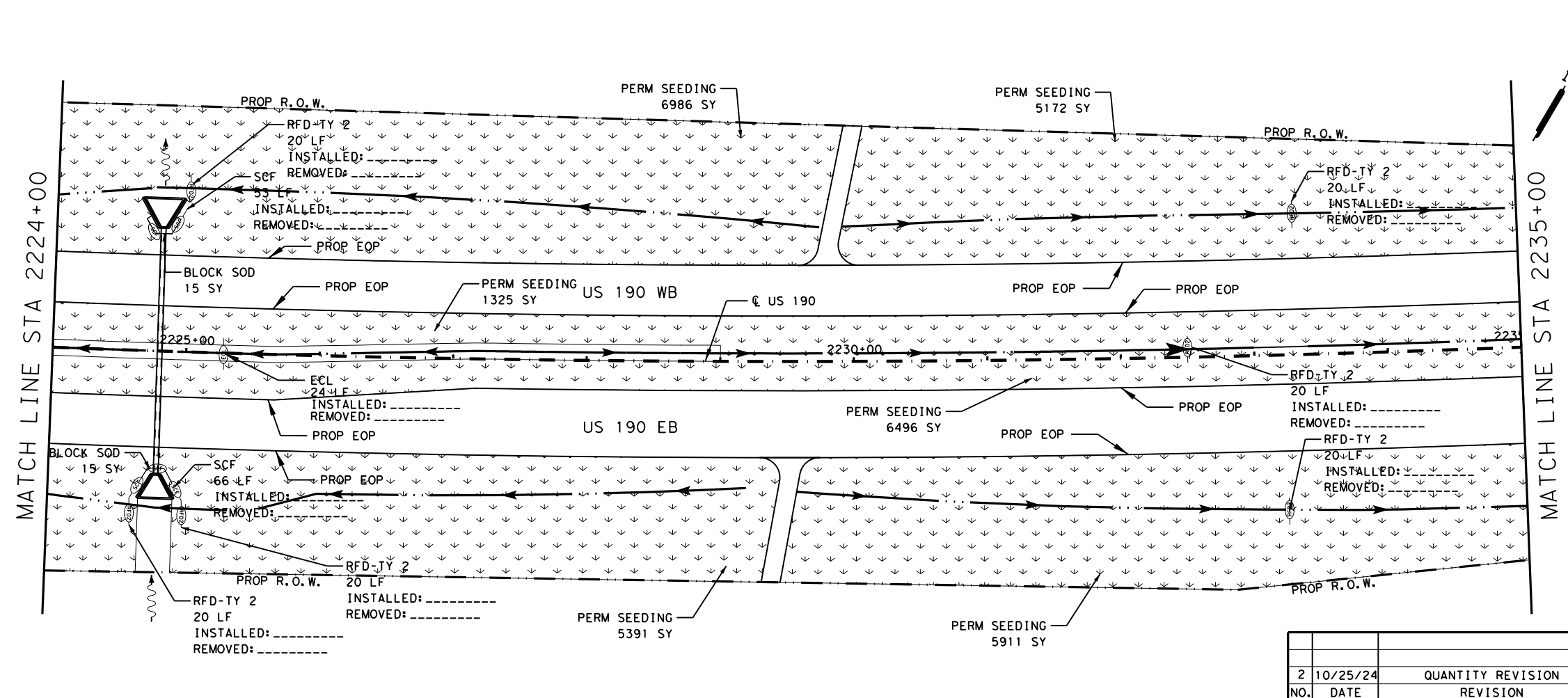
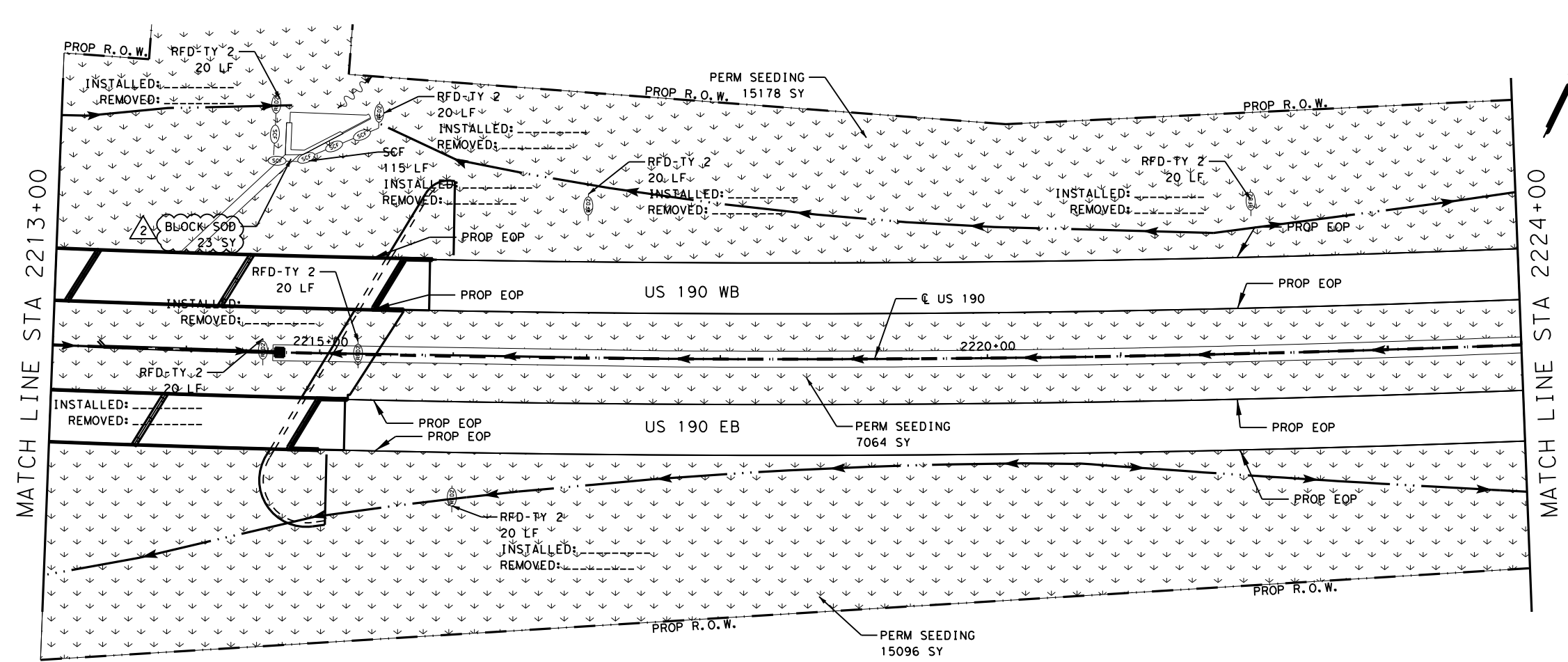
SHEET 15 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1363
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.



NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISION	SAJ

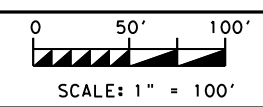
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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- SCF TEMPORARY SEDIMENT CONTROL FENCE
- RFD ROCK FILTER DAM
- ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▒ TEMPORARY SEEDING
- ▒ PROP GABIONS
- ▒ PERMANENT SEEDING
- ▒ PERMANENT RIPRAP
- ▒ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



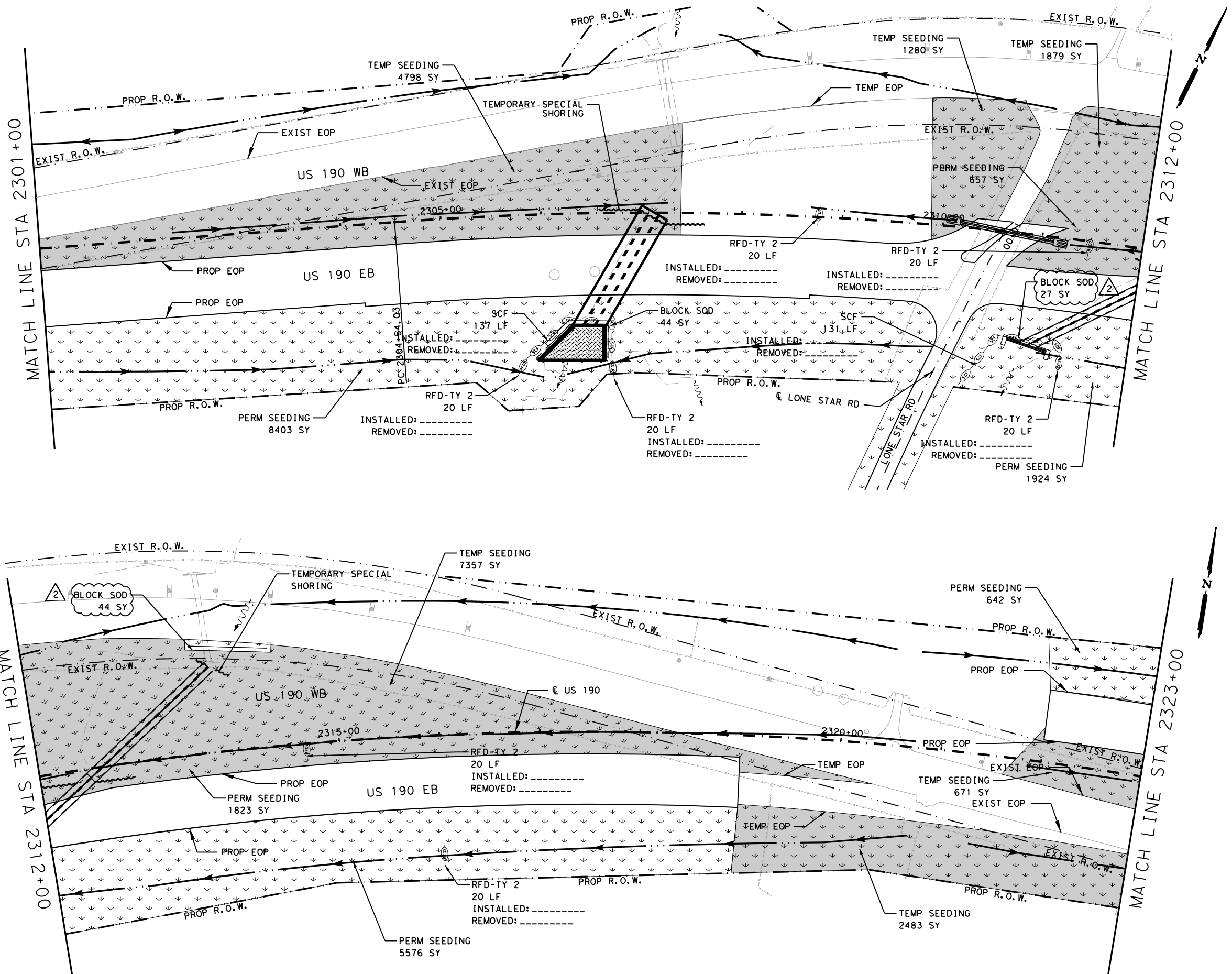
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 01

SHEET 16 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1364
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISION	SAJ

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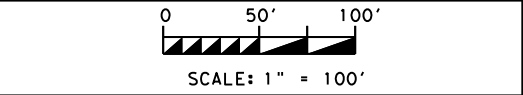


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- CENTERLINES AND CONTROL LINES
- EXISTING ROW
- PROPOSED ROW
- SCF - TEMPORARY SEDIMENT CONTROL FENCE
- RFD - ROCK FILTER DAM
- ECL - BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- TEMPORARY SEEDING
- PROP GABIONS
- PERMANENT SEEDING
- PERMANENT RIPRAP
- SOIL RETENTION BLANKET

NOTE:
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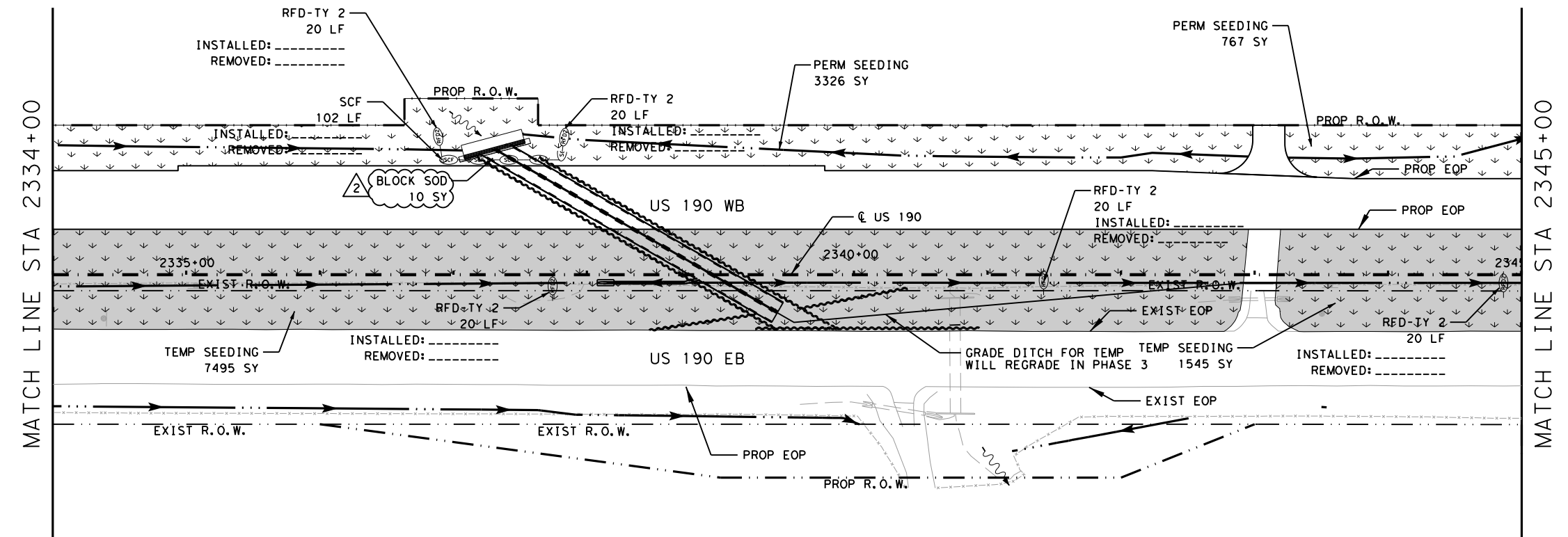
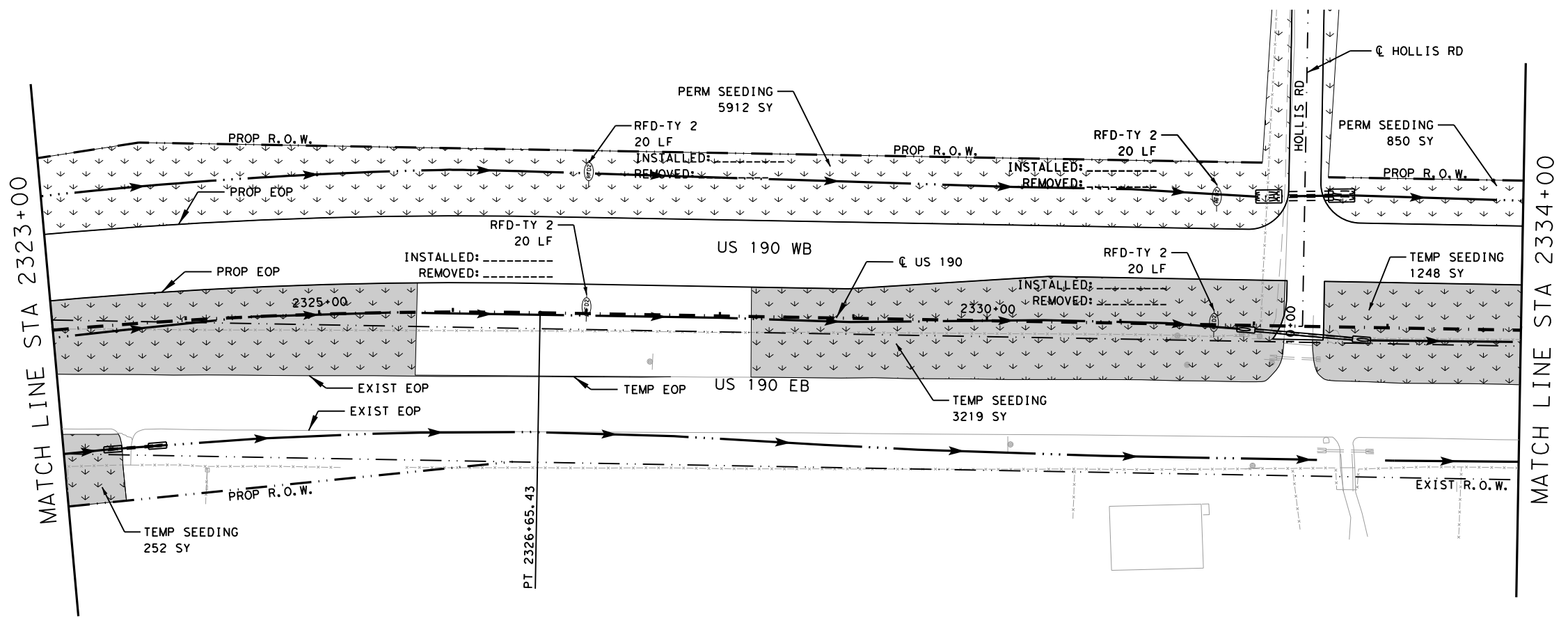
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 01

SHEET 20 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1368
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISION	SAJ

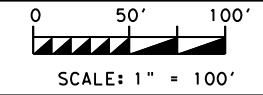
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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- ⊙ SCF TEMPORARY SEDIMENT CONTROL FENCE
- ⊙ RFD ROCK FILTER DAM
- ⊙ ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▨ TEMPORARY SEEDING
- ▨ PROP GABIONS
- ▨ PERMANENT SEEDING
- ▨ PERMANENT RIPRAP
- ▨ SOIL RETENTION BLANKET

NOTE:
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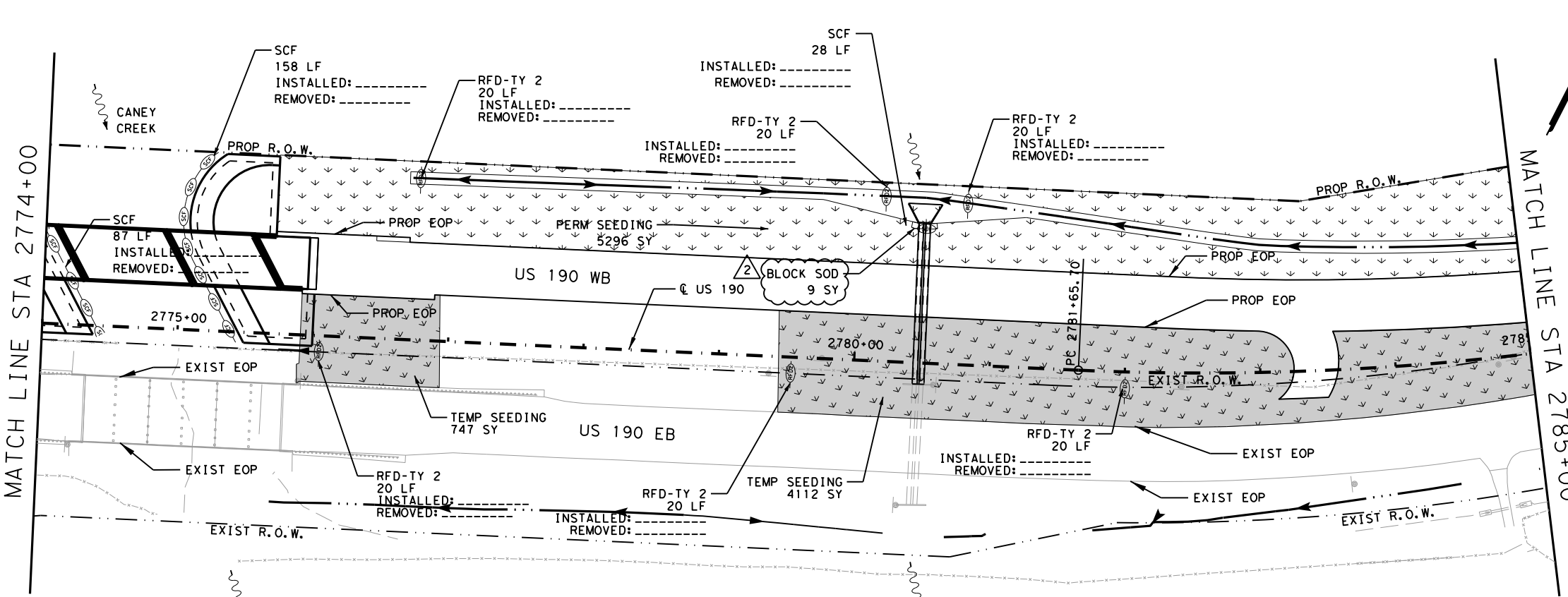
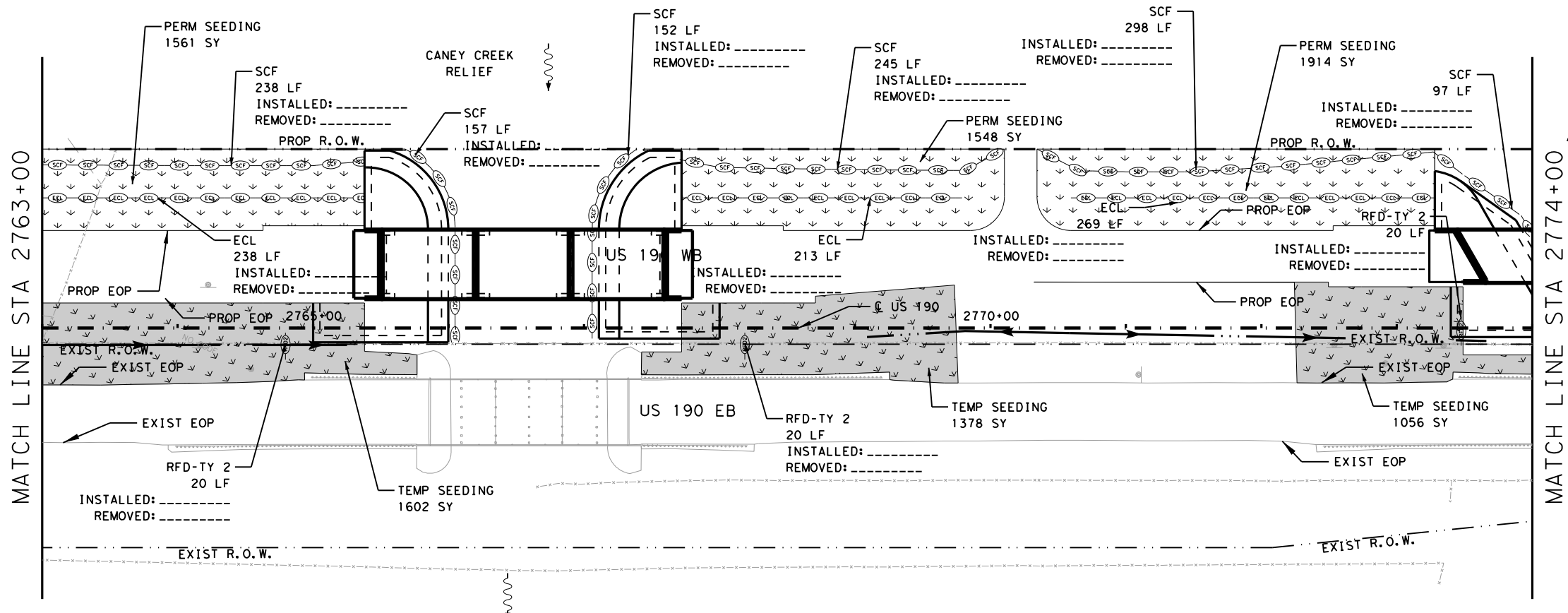
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 01

SHEET 21 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1369
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISION	SAJ

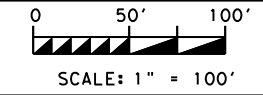
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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- SCF — TEMPORARY SEDIMENT CONTROL FENCE
- RFD — ROCK FILTER DAM
- ECL — BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- TEMPORARY SEEDING
- PROP GABIONS
- PERMANENT SEEDING
- PERMANENT RIPRAP
- SOIL RETENTION BLANKET

NOTE:
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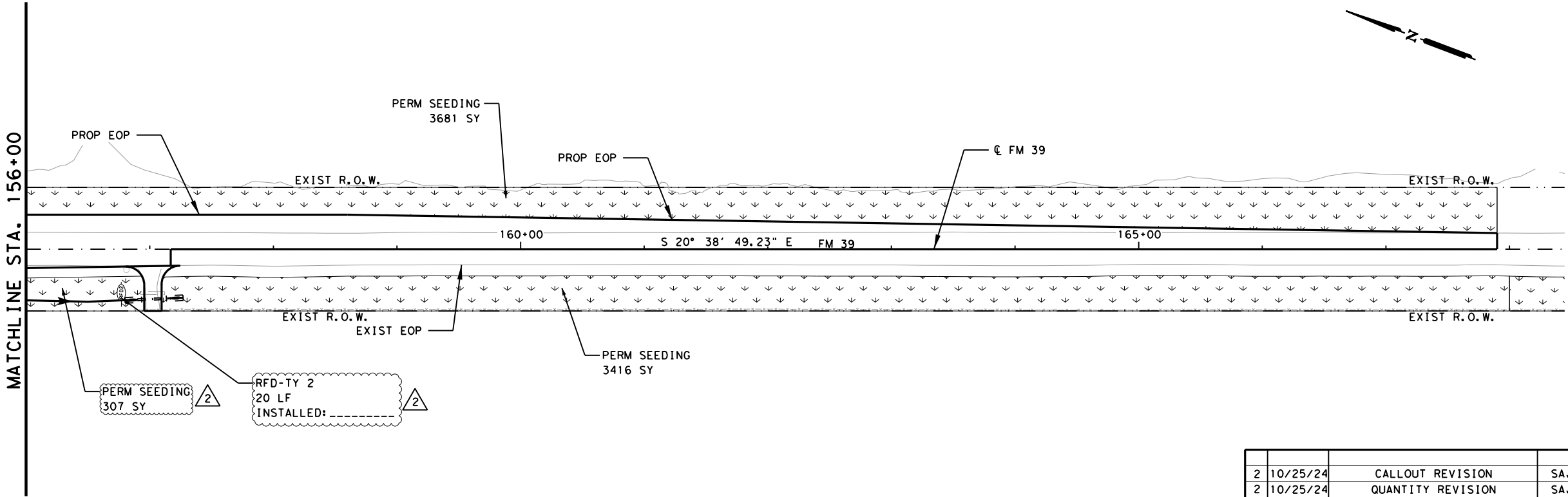
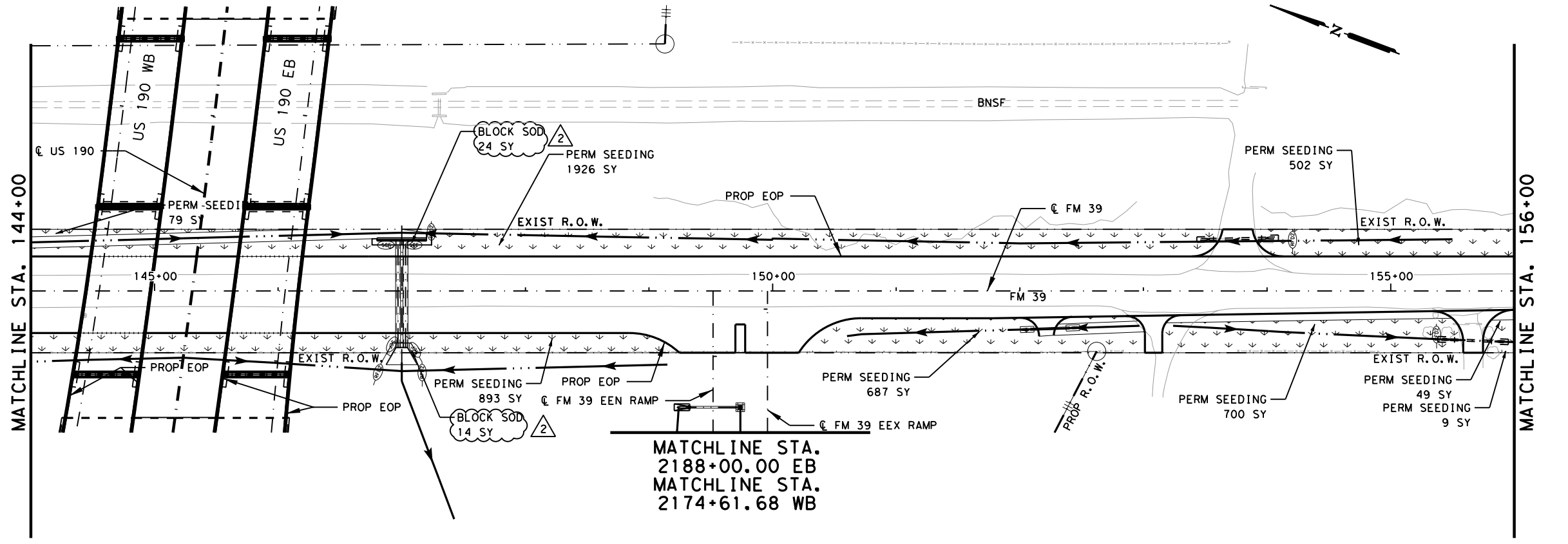
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 01

SHEET 41 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1389
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

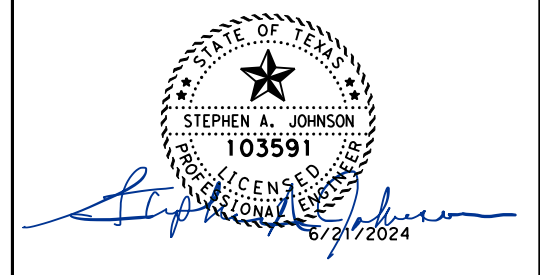
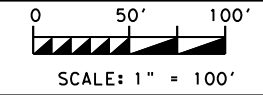
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
 - (RFD)— ROCK FILTER DAM
 - (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - [Pattern] TEMPORARY SEEDING
 - [Pattern] PROP GABIONS
 - [Pattern] PERMANENT SEEDING
 - [Pattern] PERMANENT RIPRAP
 - [Pattern] SOIL RETENTION BLANKET

NOTE:
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US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 01

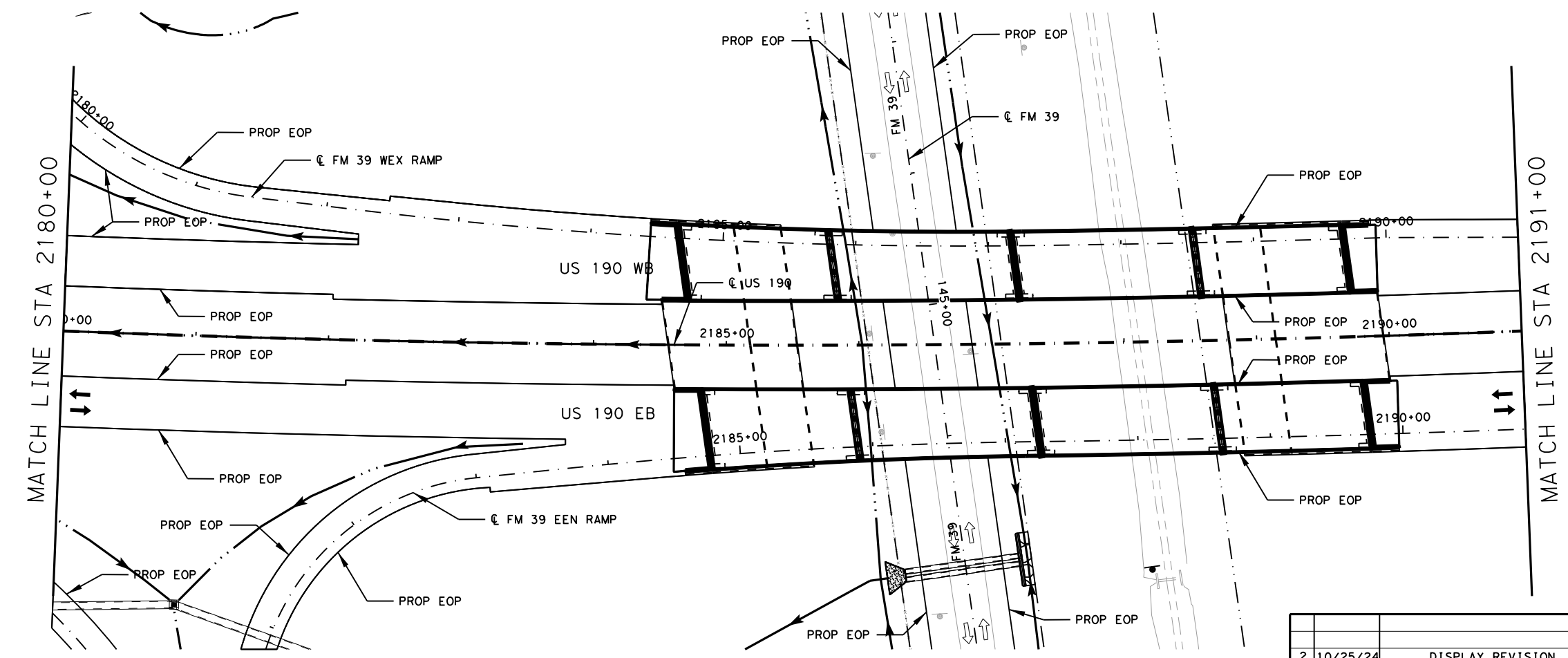
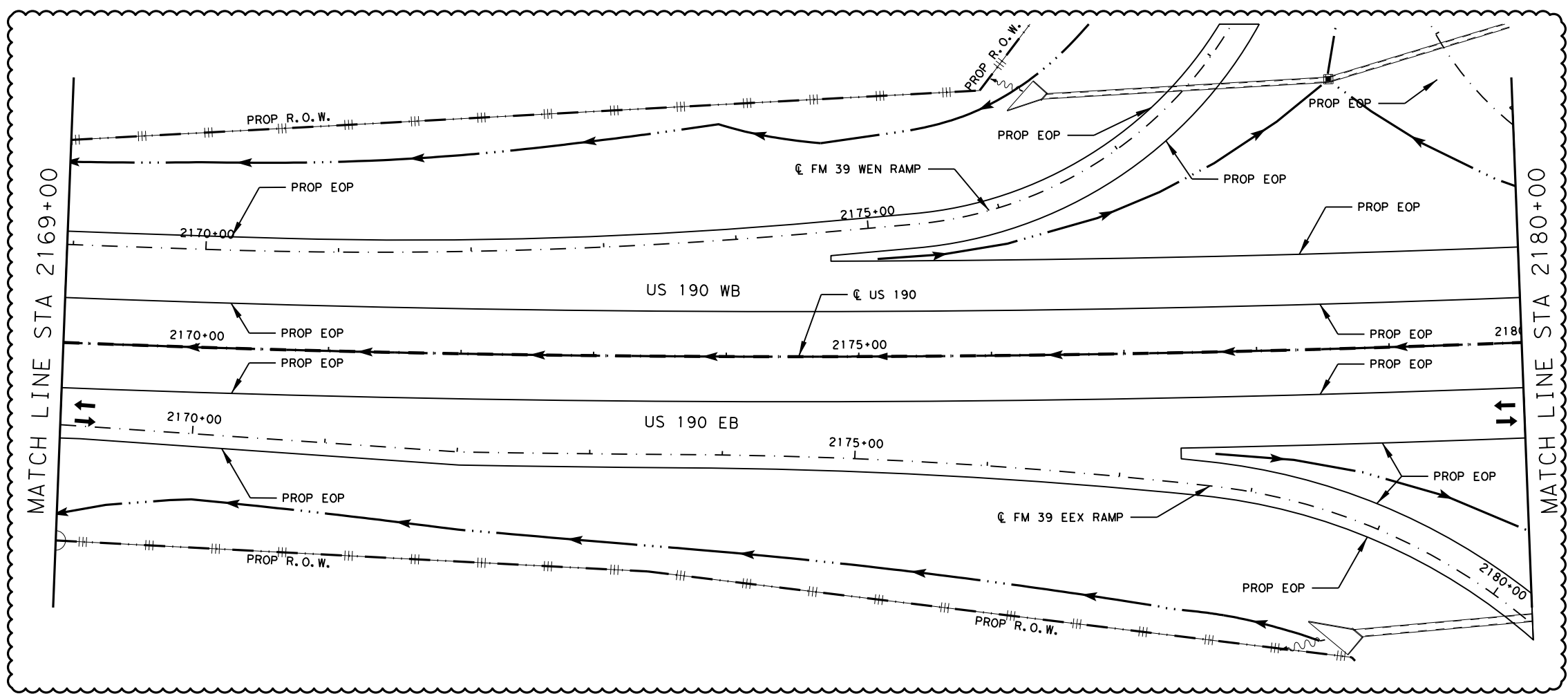
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STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

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2	10/25/24	QUANTITY REVISION	SAJ

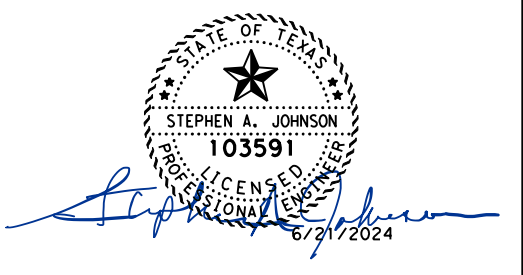
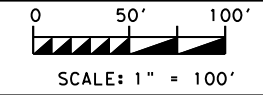
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - SCF TEMPORARY SEDIMENT CONTROL FENCE
 - RFD ROCK FILTER DAM
 - ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▨ TEMPORARY SEEDING
 - ▨ PROP GABIONS
 - ▨ PERMANENT SEEDING
 - ▨ PERMANENT RIPRAP
 - ▨ SOIL RETENTION BLANKET

NOTE:
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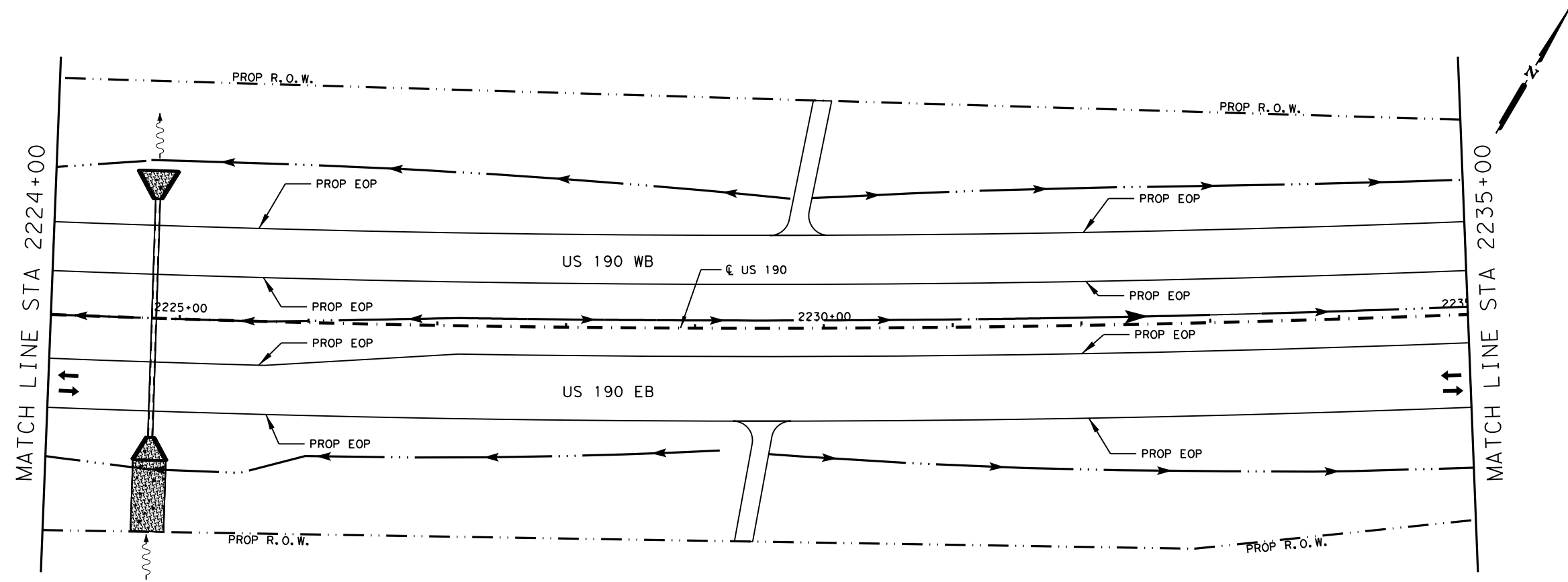
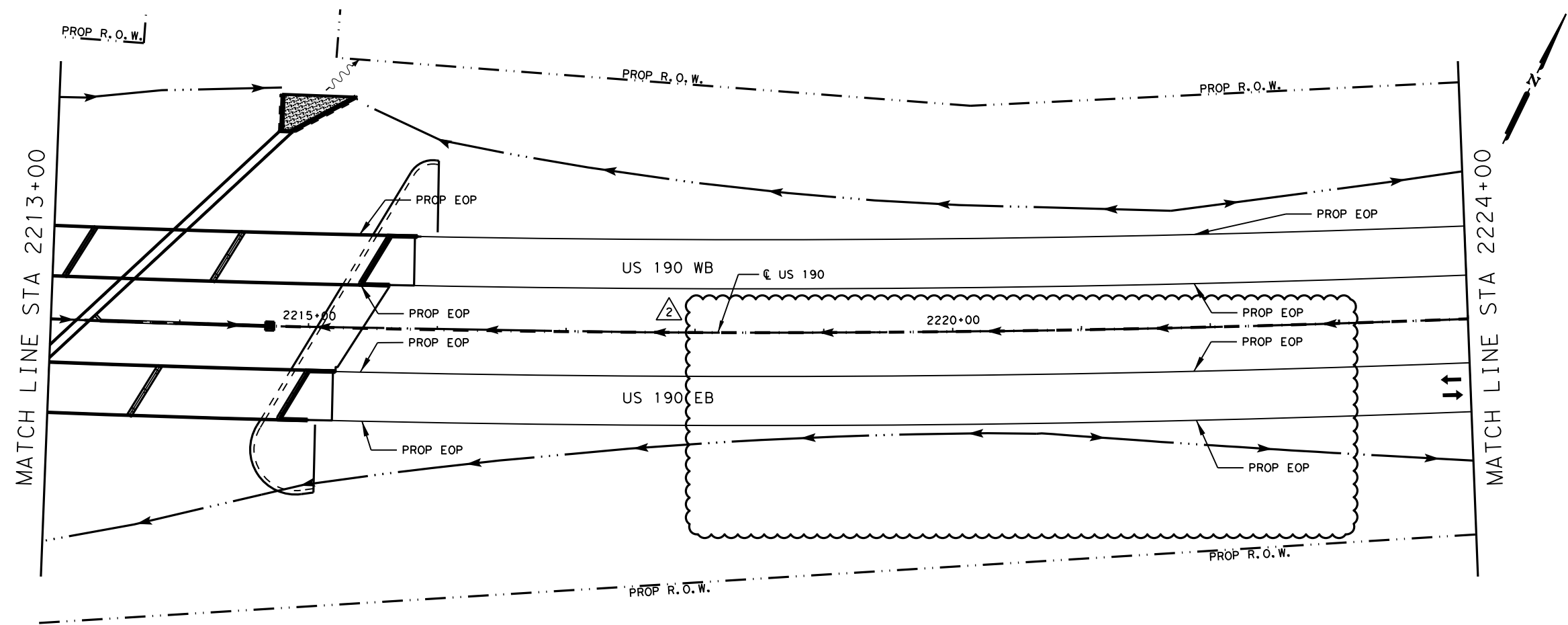
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 02

SHEET 14 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1411
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

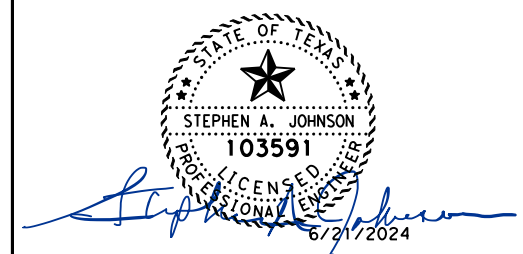
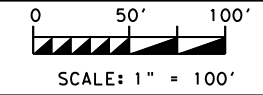
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
 - (RFD)— ROCK FILTER DAM
 - (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▭ TEMPORARY SEEDING
 - ▭ PROP GABIONS
 - ▭ PERMANENT SEEDING
 - ▭ PERMANENT RIPRAP
 - ▭ SOIL RETENTION BLANKET

NOTE:
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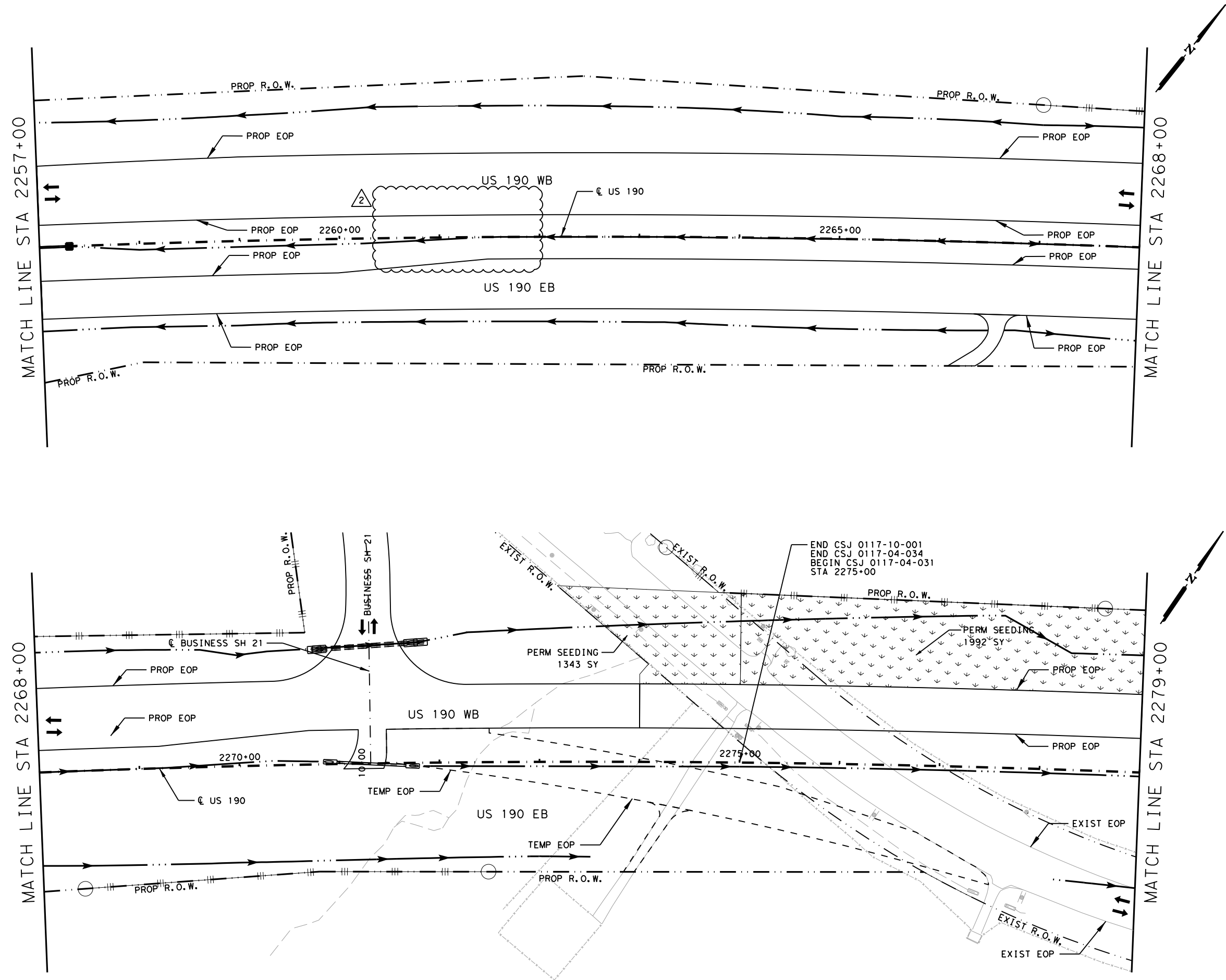
US 190
STORM WATER POLLUTION PREVENTION PLAN (SW3P) PHASE 02

SHEET 16 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1413
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

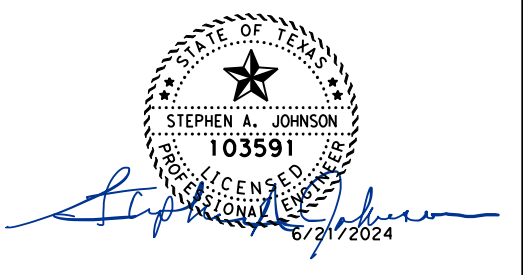
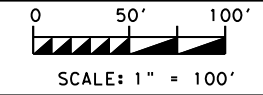
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - · - · - EXISTING ROW
 - · - · - PROPOSED ROW
 - SCF TEMPORARY SEDIMENT CONTROL FENCE
 - RFD ROCK FILTER DAM
 - ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▒ TEMPORARY SEEDING
 - ▒ PROP GABIONS
 - ▒ PERMANENT SEEDING
 - ▒ PERMANENT RIPRAP
 - ▒ SOIL RETENTION BLANKET

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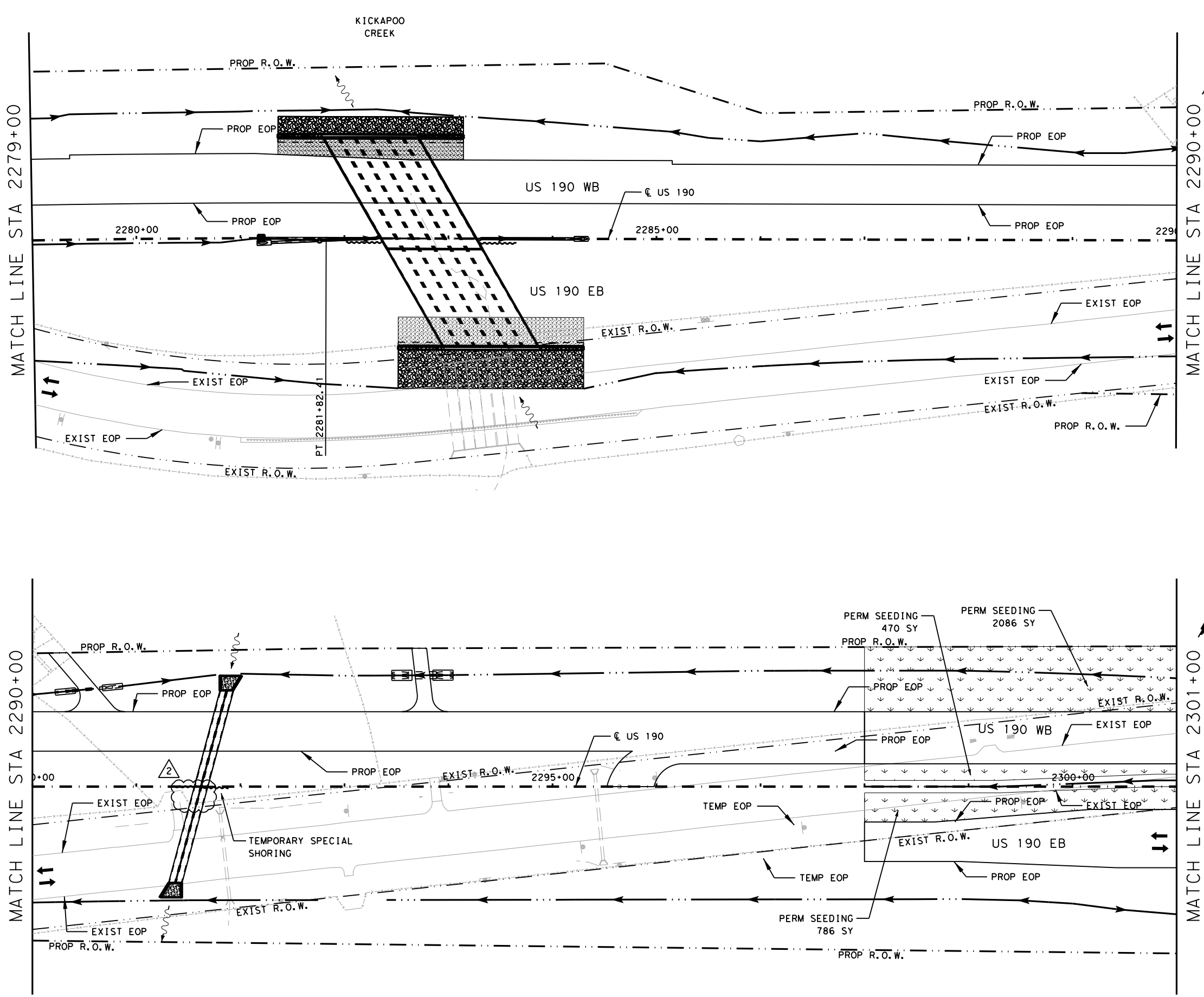
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 02

SHEET 18 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		1415
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

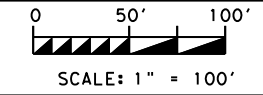
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - · - · - EXISTING ROW
 - · - · - PROPOSED ROW
 - (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
 - (RFD)— ROCK FILTER DAM
 - (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▨ TEMPORARY SEEDING
 - ▨ PROP GABIONS
 - ▨ PERMANENT SEEDING
 - ▨ PERMANENT RIPRAP
 - ▨ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



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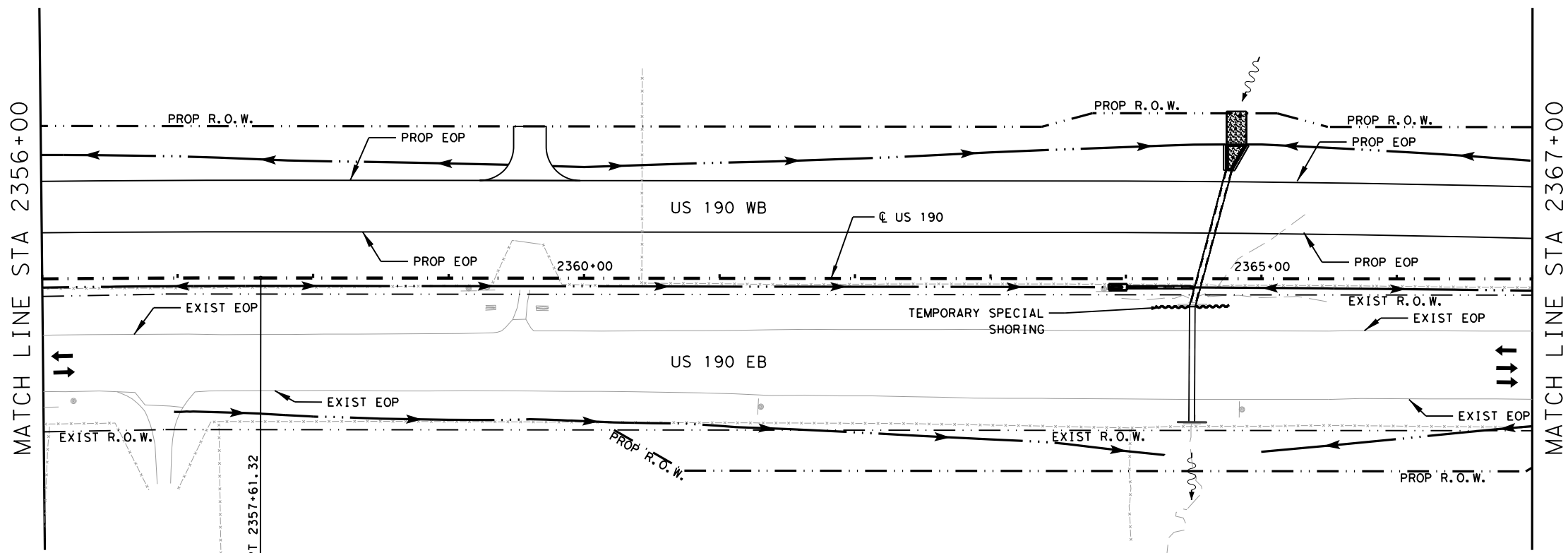
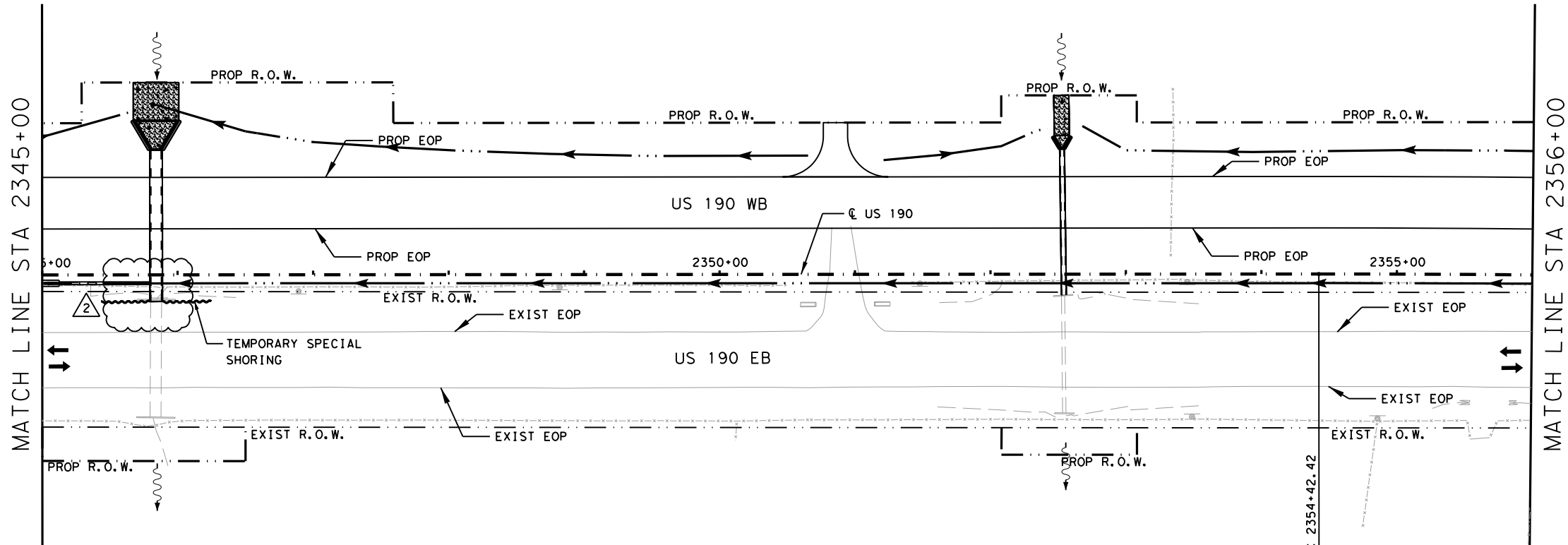
US 190
STORM WATER POLLUTION PREVENTION PLAN (SW3P) PHASE 02

SHEET 19 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		1416
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

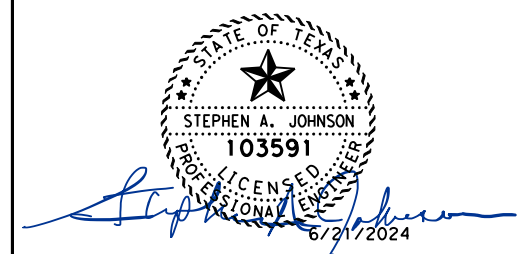
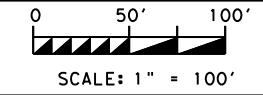
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
 - (RFD)— ROCK FILTER DAM
 - (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▒ TEMPORARY SEEDING
 - ▒ PROP GABIONS
 - ▒ PERMANENT SEEDING
 - ▒ PERMANENT RIPRAP
 - ▒ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



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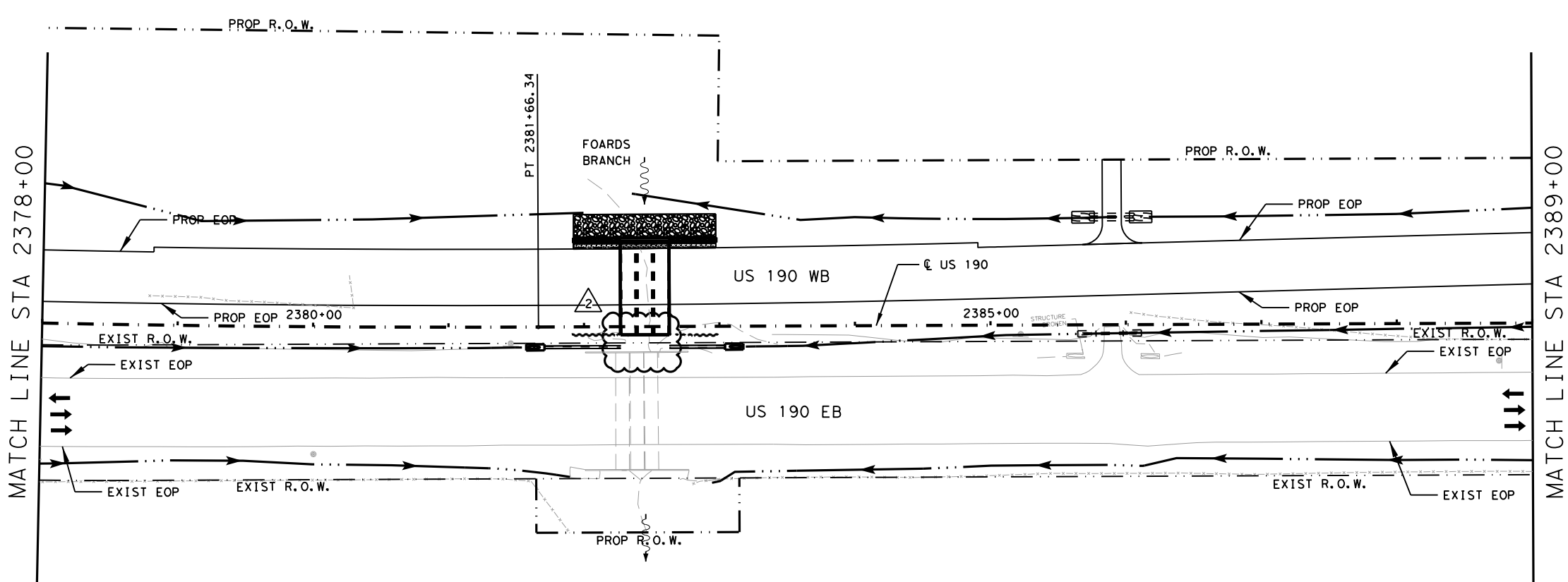
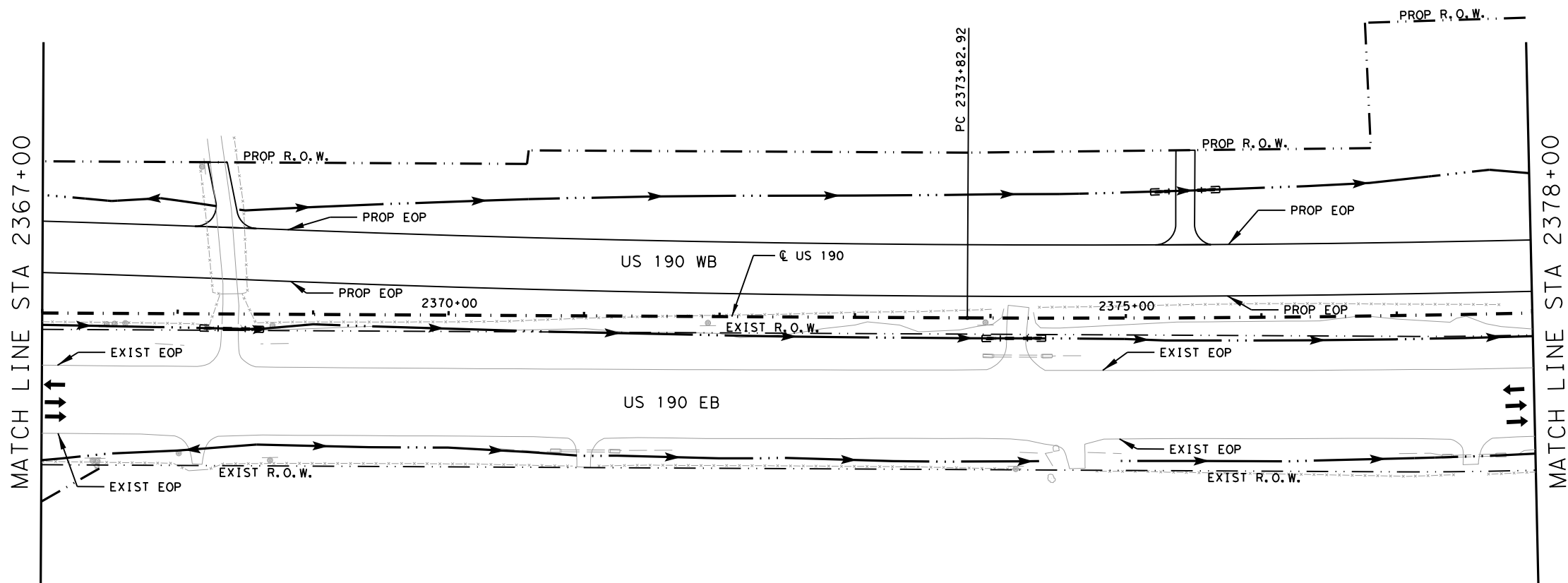
US 190
STORM WATER POLLUTION PREVENTION PLAN (SW3P) PHASE 02

SHEET 22 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1419
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	DISPLAY REVISION	SAJ

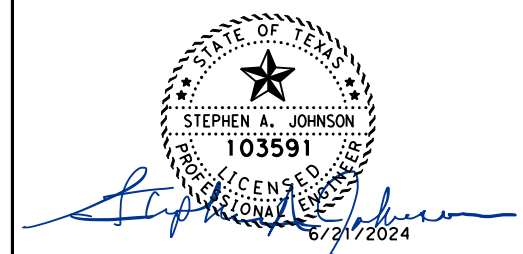
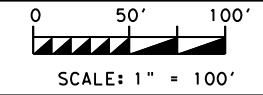
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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
- (RFD)— ROCK FILTER DAM
- (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▭ TEMPORARY SEEDING
- ▭ PROP GABIONS
- ▭ PERMANENT SEEDING
- ▭ PERMANENT RIPRAP
- ▭ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



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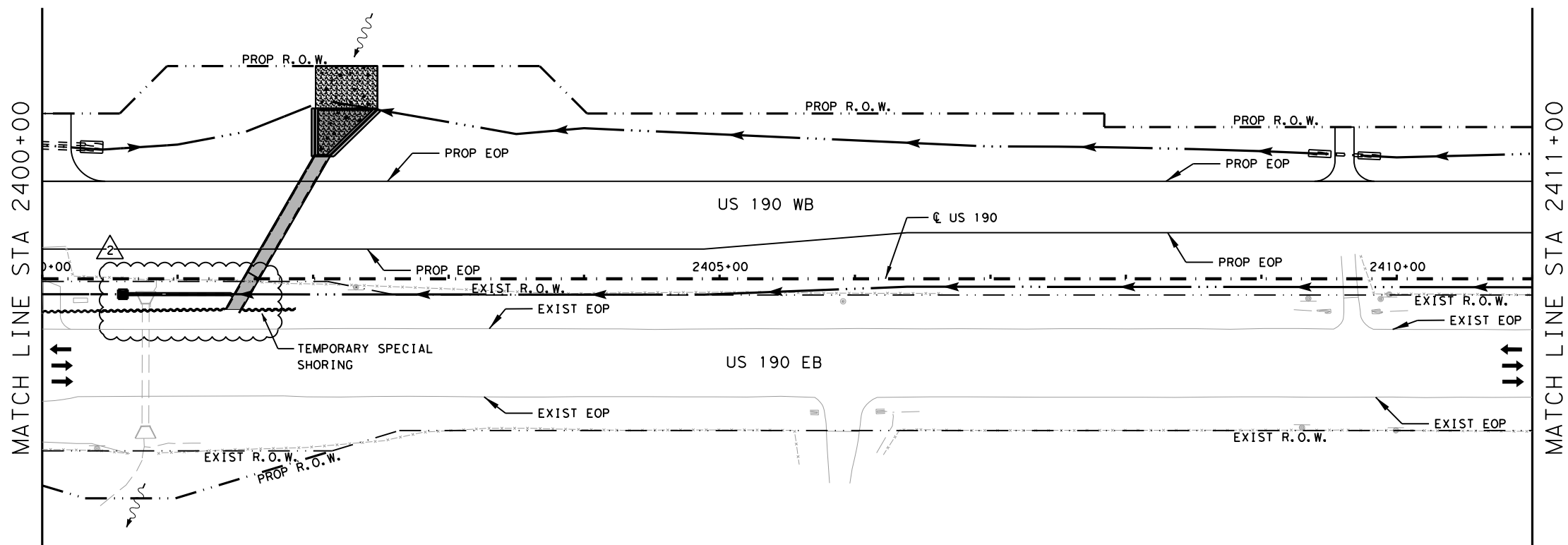
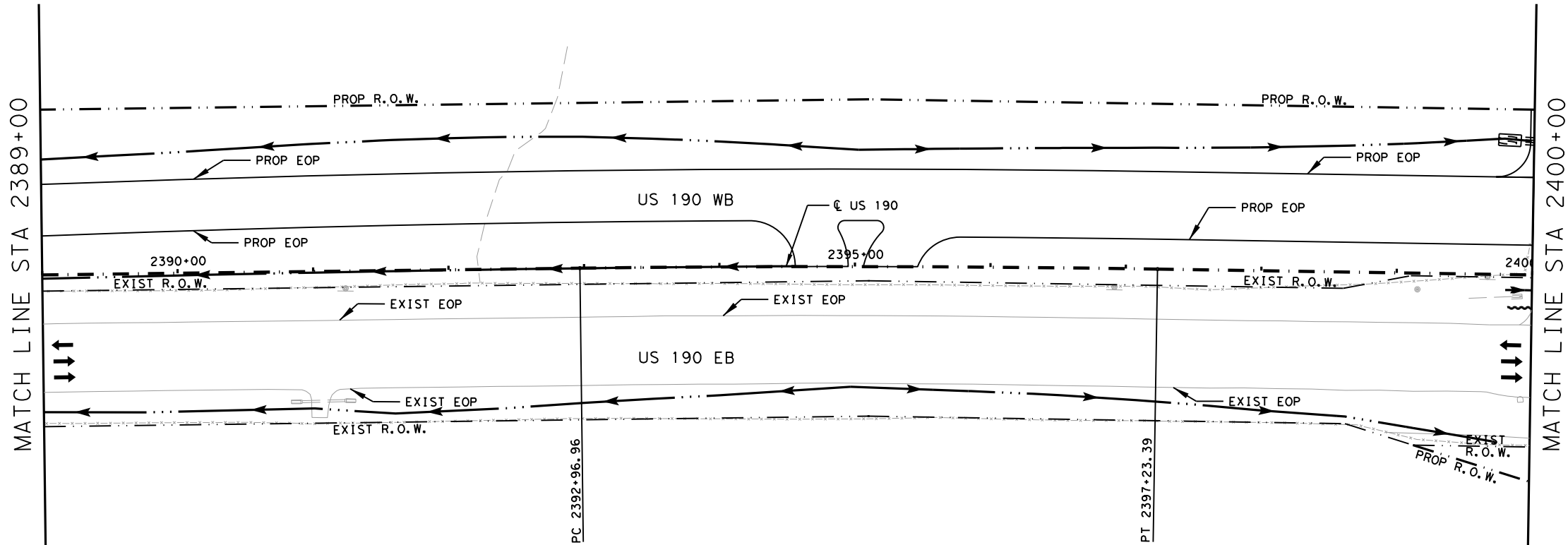
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 02

SHEET 23 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1420
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

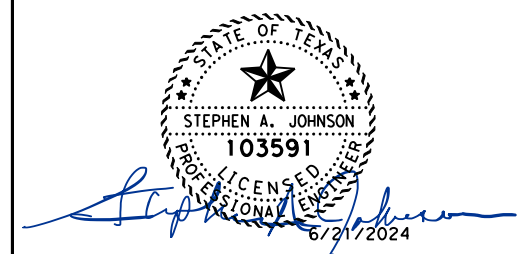
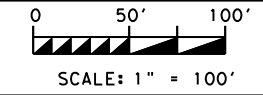
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
 - (RFD)— ROCK FILTER DAM
 - (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▨ TEMPORARY SEEDING
 - ▨ PROP GABIONS
 - ▨ PERMANENT SEEDING
 - ▨ PERMANENT RIPRAP
 - ▨ SOIL RETENTION BLANKET

NOTE:
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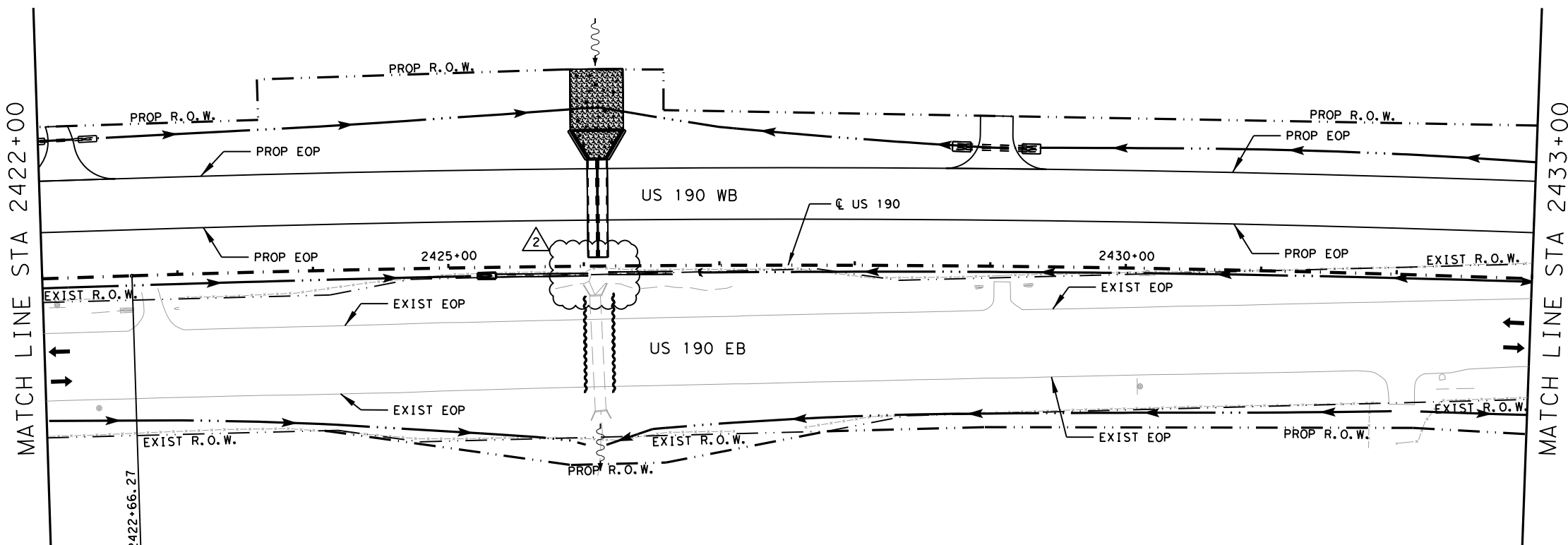
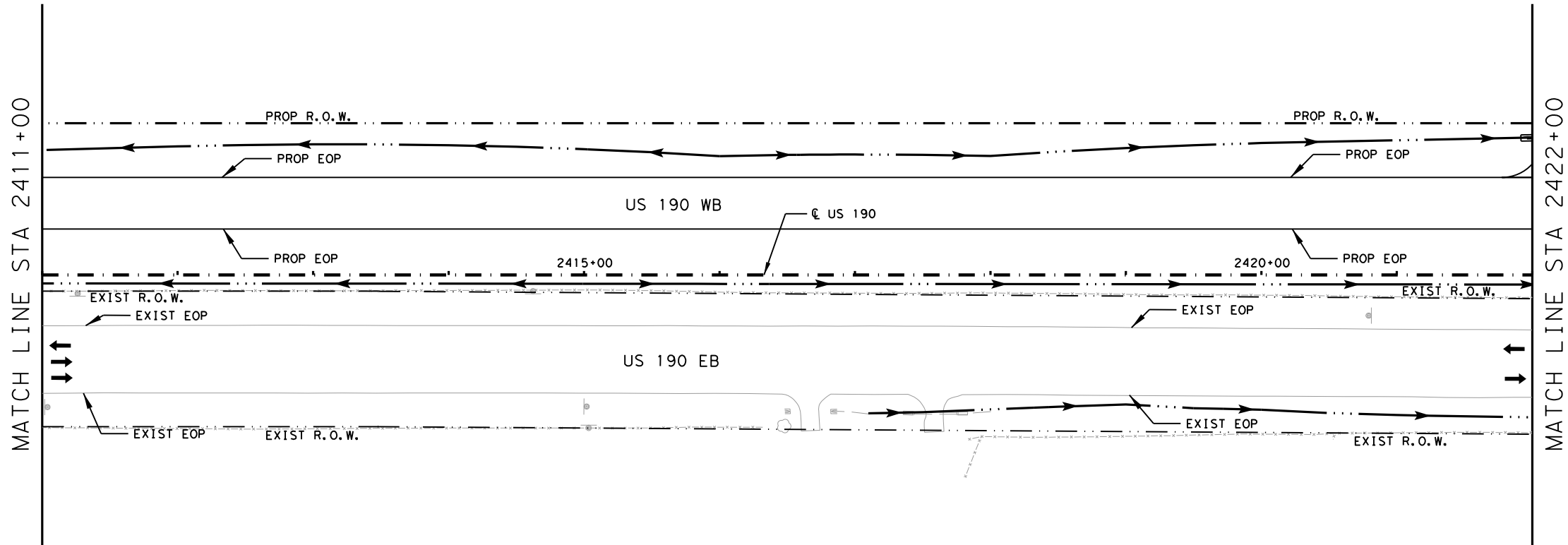
US 190
STORM WATER POLLUTION PREVENTION PLAN (SW3P) PHASE 02

SHEET 24 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1421
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

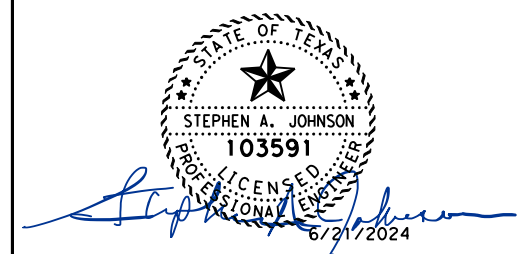
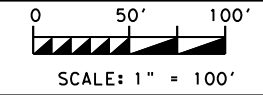
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
 - (RFD)— ROCK FILTER DAM
 - (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▭ TEMPORARY SEEDING
 - ▭ PROP GABIONS
 - ▭ PERMANENT SEEDING
 - ▭ PERMANENT RIPRAP
 - ▭ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



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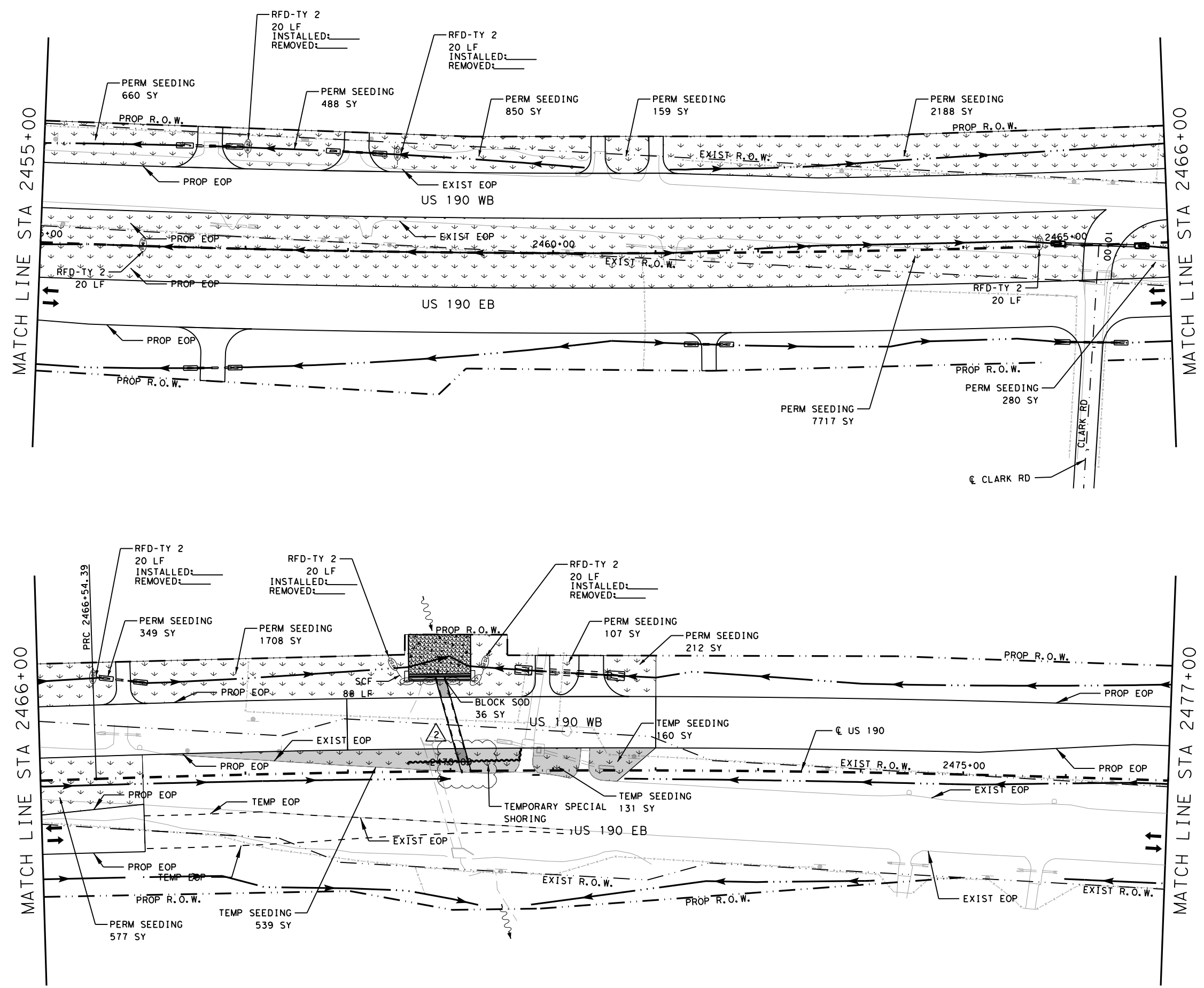
US 190
STORM WATER POLLUTION PREVENTION PLAN (SW3P) PHASE 02

SHEET 25 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1422
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	DISPLAY REVISION	SAJ

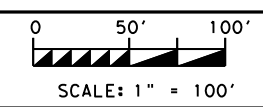
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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- ⊖ SCF TEMPORARY SEDIMENT CONTROL FENCE
- ⊖ RFD ROCK FILTER DAM
- ⊖ ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▨ TEMPORARY SEEDING
- ▨ PROP GABIONS
- ▨ PERMANENT SEEDING
- ▨ PERMANENT RIPRAP
- ▨ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 02

SHEET 27 OF 43

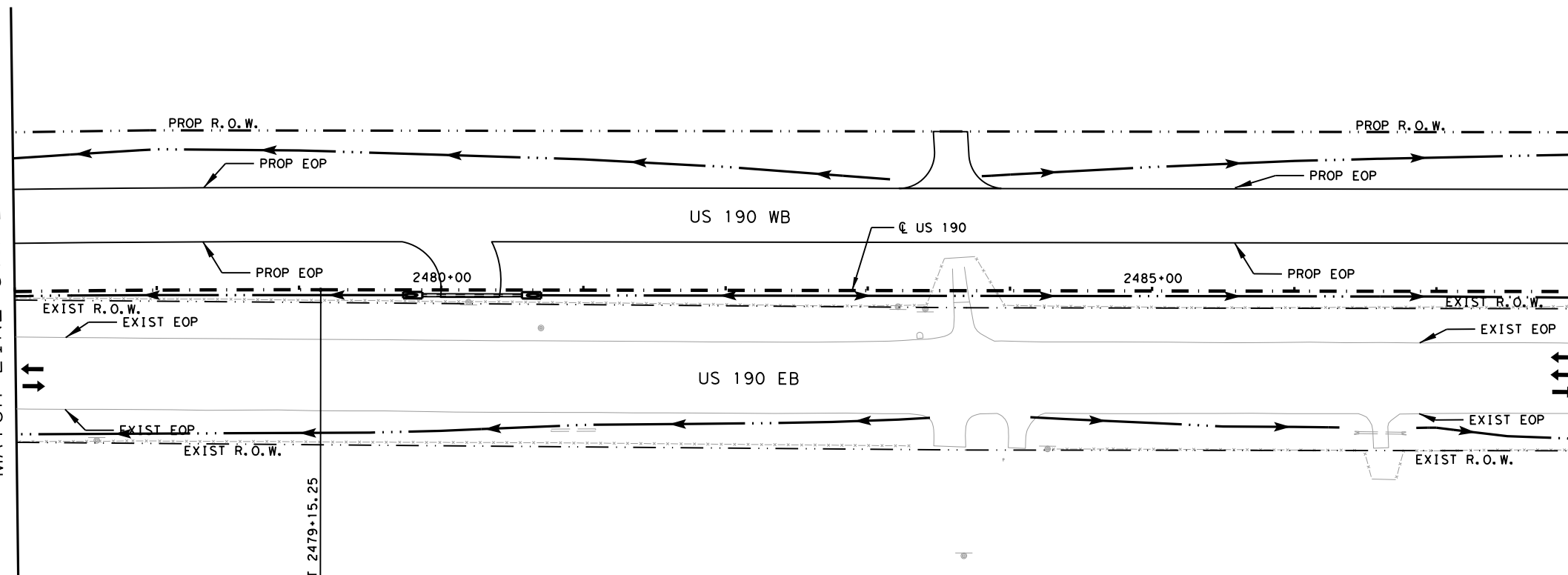
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6	SEE TITLE SHEET	1424
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
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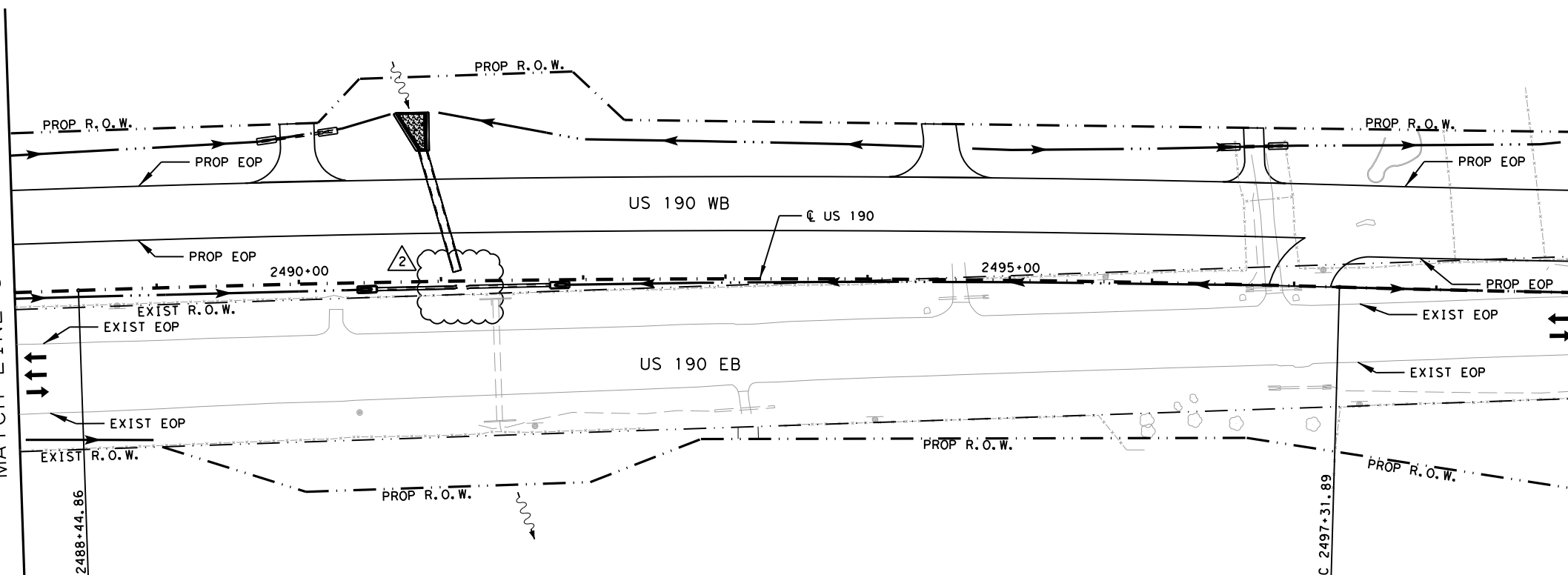
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MATCH LINE STA 2488+00



MATCH LINE STA 2488+00

MATCH LINE STA 2499+00

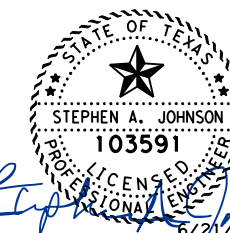
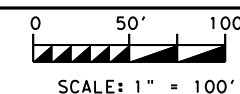


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- ⊖ SCF TEMPORARY SEDIMENT CONTROL FENCE
- ⊖ RFD ROCK FILTER DAM
- ⊖ ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▨ TEMPORARY SEEDING
- ▨ PROP GABIONS
- ▨ PERMANENT SEEDING
- ▨ PERMANENT RIPRAP
- ▨ SOIL RETENTION BLANKET

NOTE:

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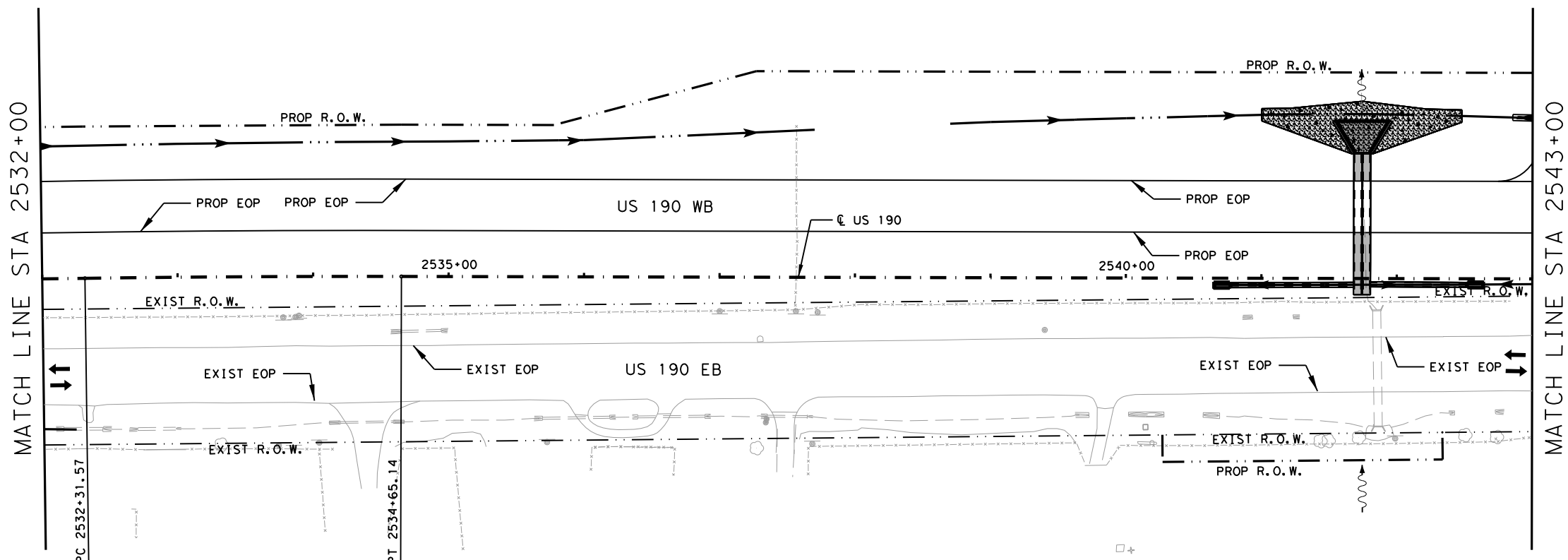
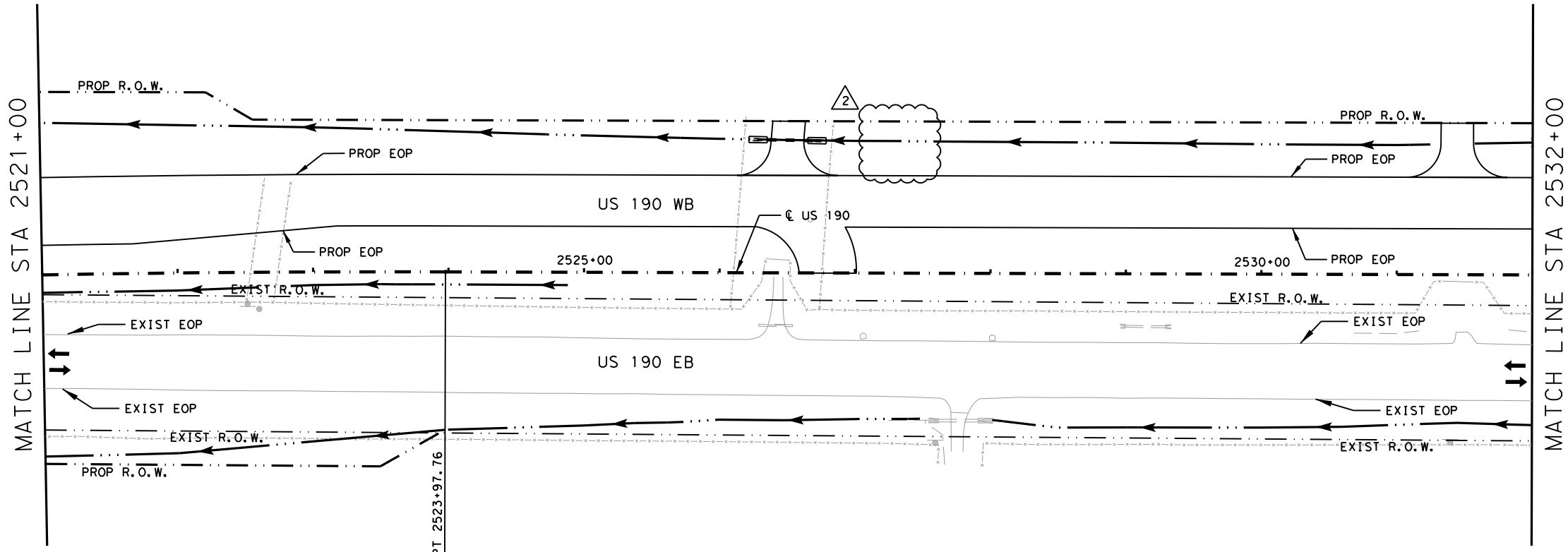
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 02

SHEET 28 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1425
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

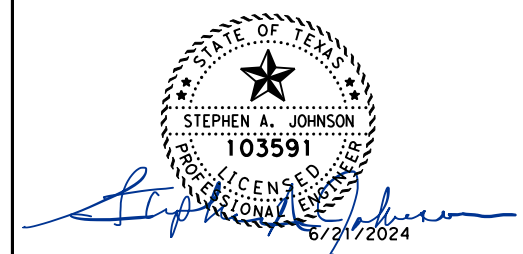
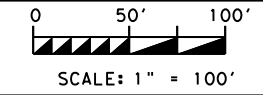
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
 - (RFD)— ROCK FILTER DAM
 - (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▭ TEMPORARY SEEDING
 - ▭ PROP GABIONS
 - ▭ PERMANENT SEEDING
 - ▭ PERMANENT RIPRAP
 - ▭ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



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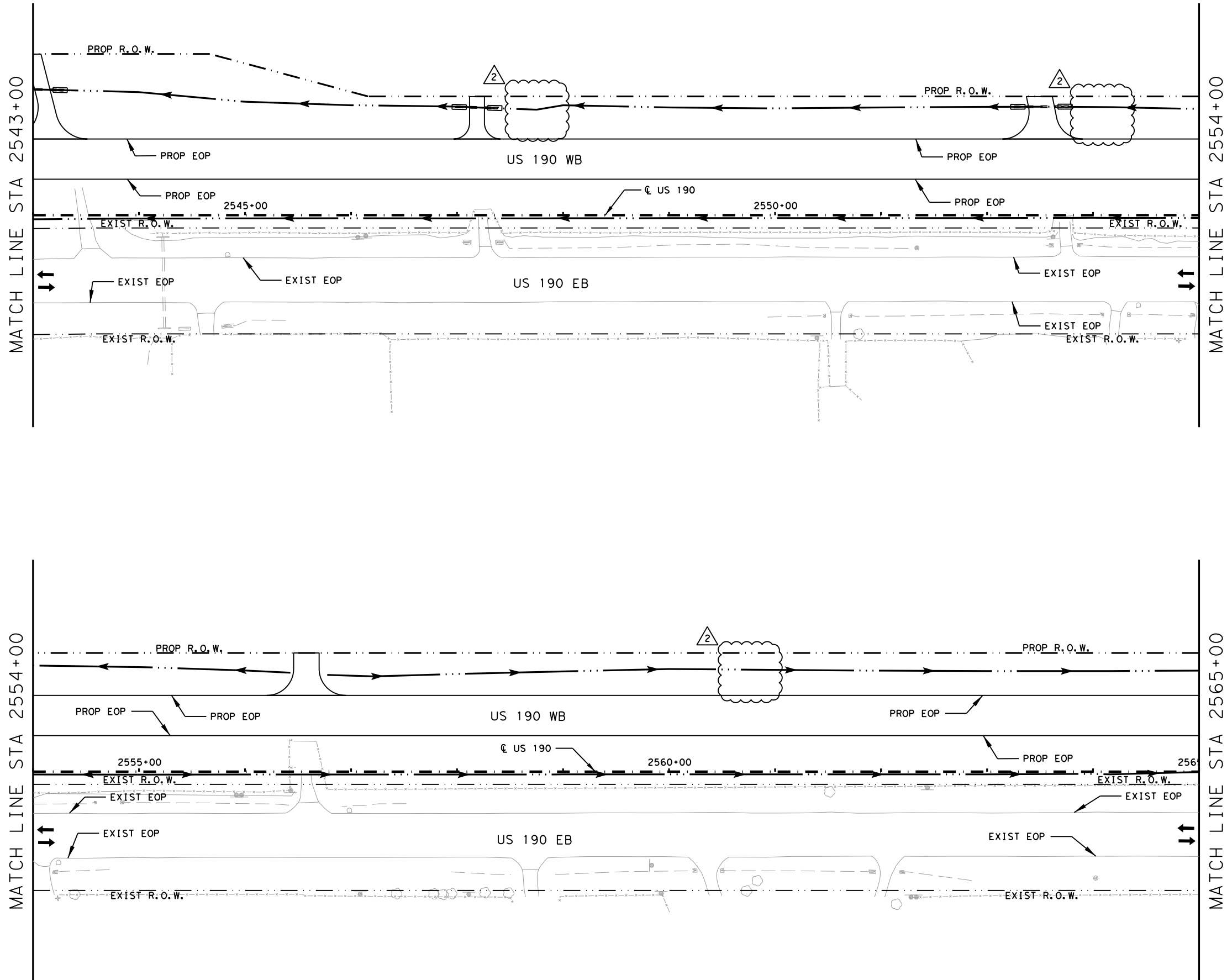
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 02

SHEET 30 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1427
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

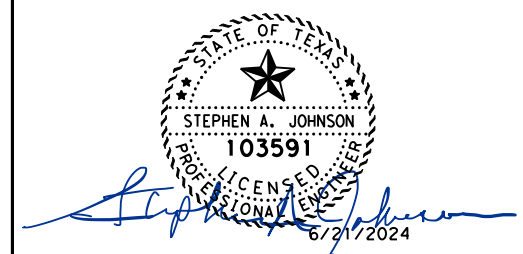
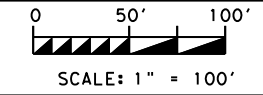
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - EXISTING ROW
 - PROPOSED ROW
 - ⊖ SCF TEMPORARY SEDIMENT CONTROL FENCE
 - ⊖ RFD ROCK FILTER DAM
 - ⊖ ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▨ TEMPORARY SEEDING
 - ▨ PROP GABIIONS
 - ▨ PERMANENT SEEDING
 - ▨ PERMANENT RIPRAP
 - ▨ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



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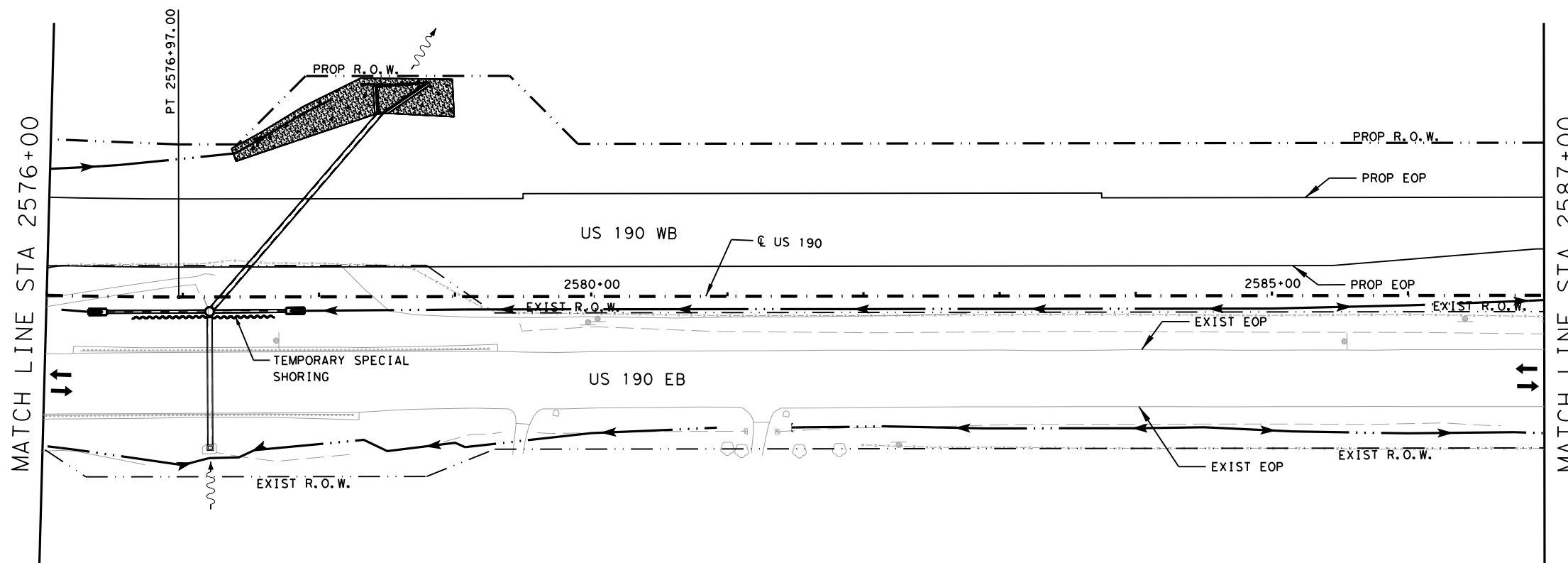
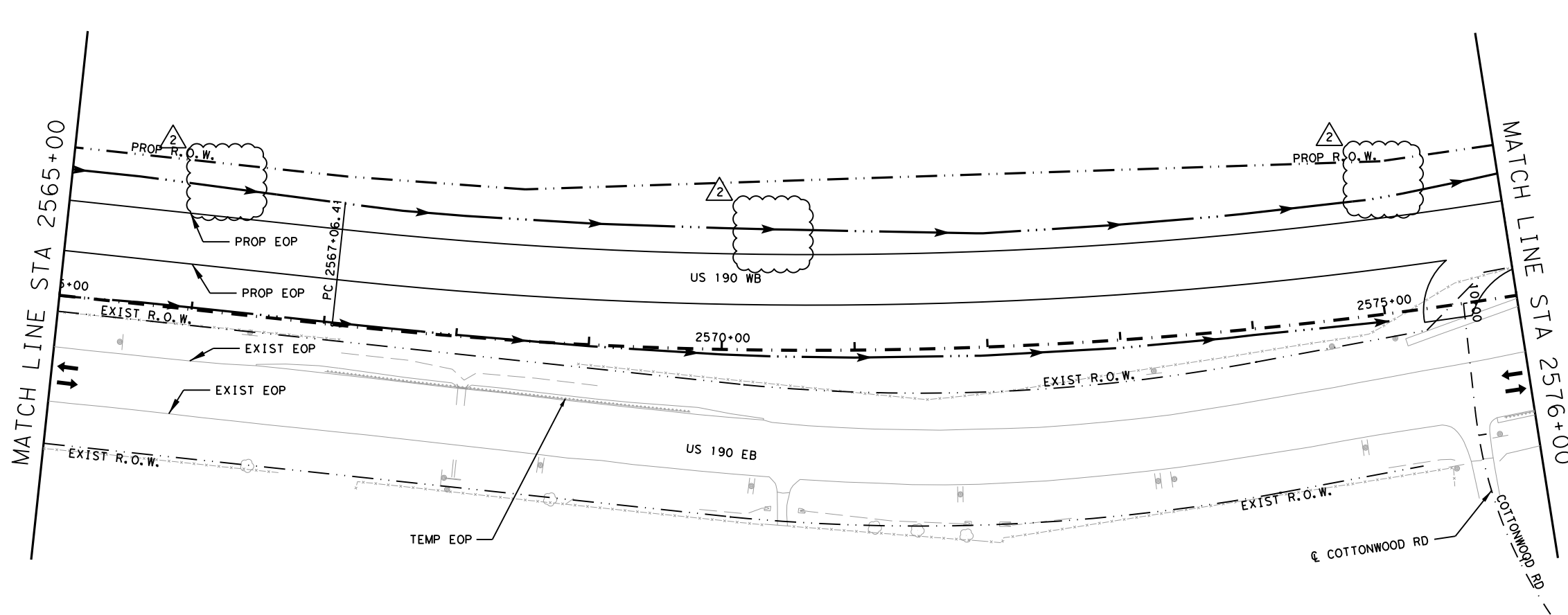
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 02

SHEET 31 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1428
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

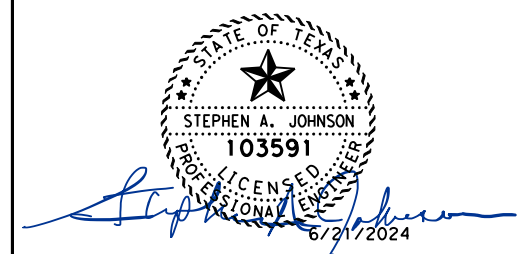
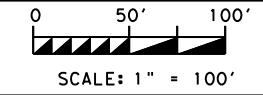
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- LEGEND:**
- EXISTING TOPOGRAPHY
 - PROPOSED FEATURES
 - - - CENTERLINES AND CONTROL LINES
 - - - EXISTING ROW
 - - - PROPOSED ROW
 - (SCF)— TEMPORARY SEDIMENT CONTROL FENCE
 - (RFD)— ROCK FILTER DAM
 - (ECL)— BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
 - ▨ TEMPORARY SEEDING
 - ▨ PROP GABIONS
 - ▨ PERMANENT SEEDING
 - ▨ PERMANENT RIPRAP
 - ▨ SOIL RETENTION BLANKET

NOTE:
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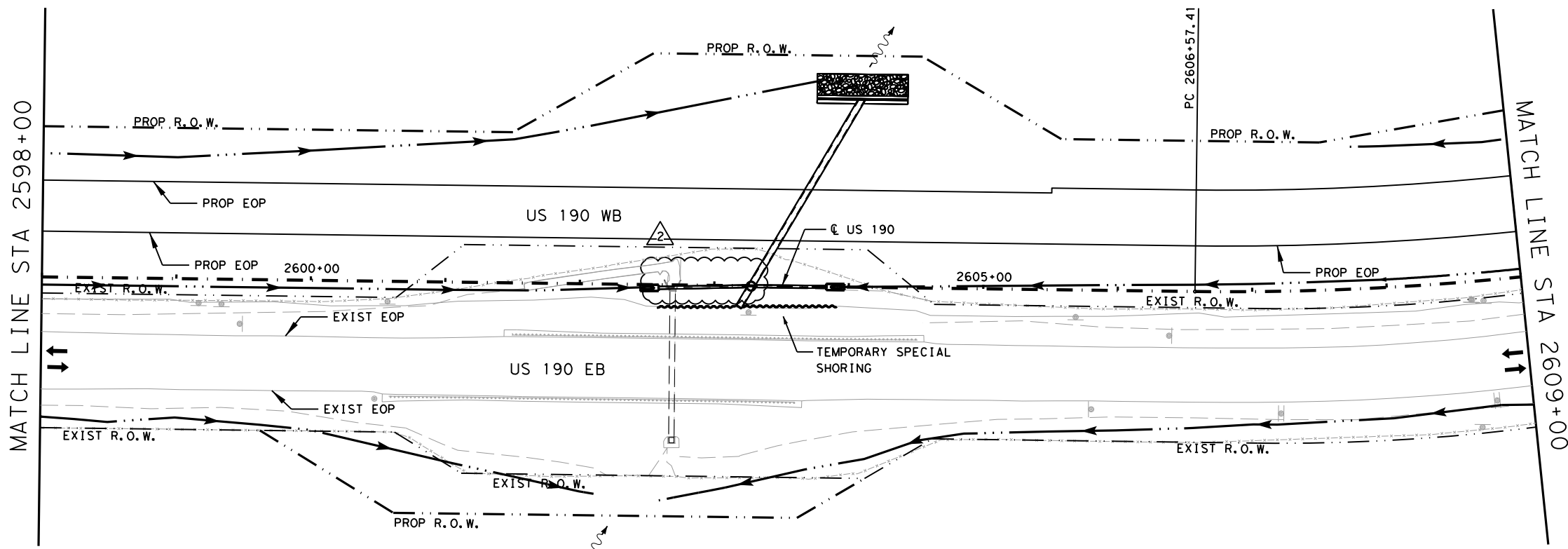
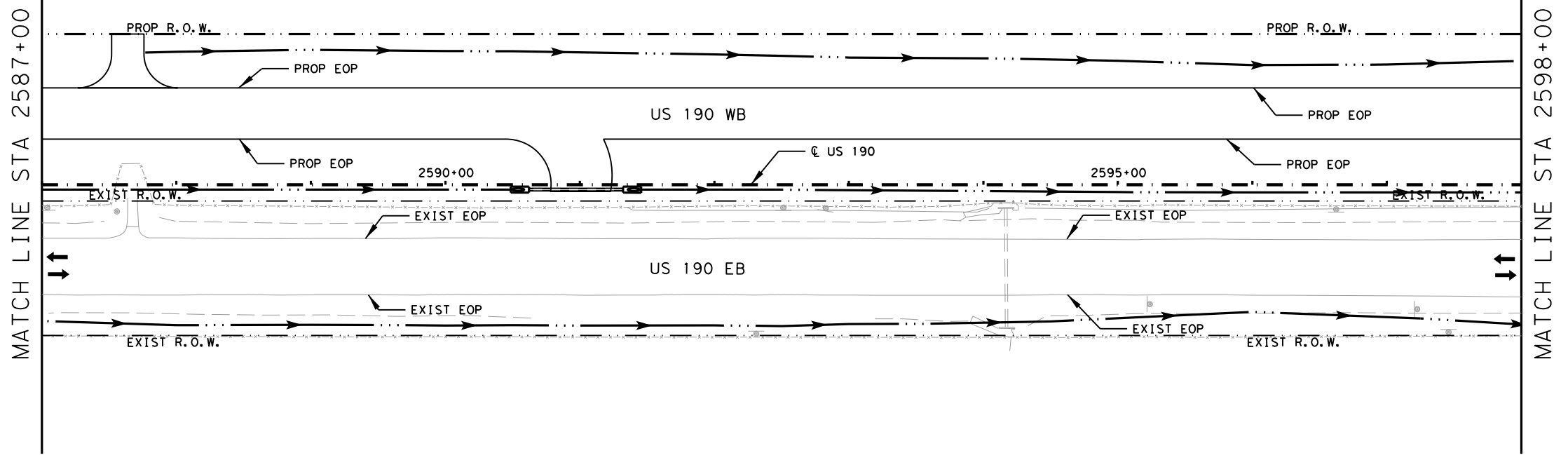
US 190
STORM WATER POLLUTION PREVENTION PLAN (SW3P) PHASE 02

SHEET 32 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1429
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	DISPLAY REVISION	SAJ

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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- · - · - EXISTING ROW
- · - · - PROPOSED ROW
- ⊖ SCF TEMPORARY SEDIMENT CONTROL FENCE
- ⊖ RFD ROCK FILTER DAM
- ⊖ ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▭ TEMPORARY SEEDING
- ▭ PROP GABIONS
- ▭ PERMANENT SEEDING
- ▭ PERMANENT RIPRAP
- ▭ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.

0 50' 100'
 SCALE: 1" = 100'

3755 S. Capital of Texas Highway
 Suite 325
 Austin, TX 78704
 (512) 485-0009
 TBPELS Firm 5713

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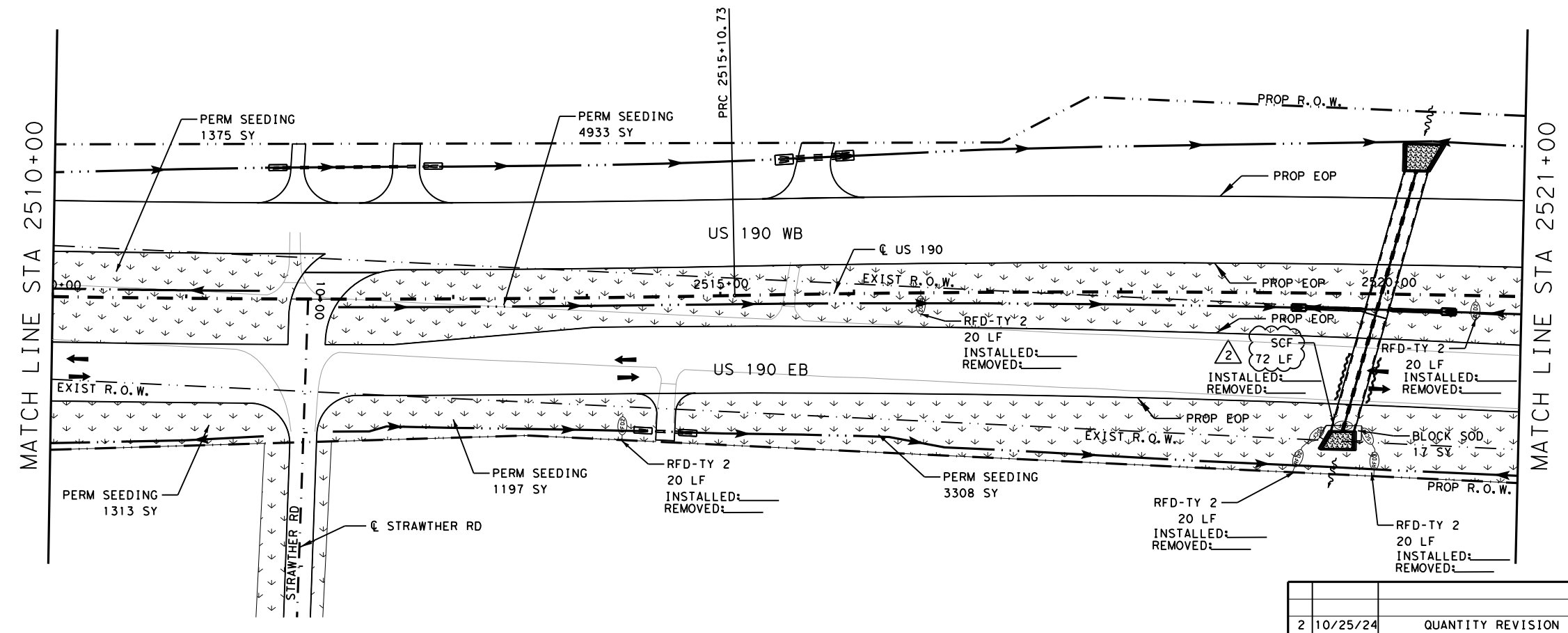
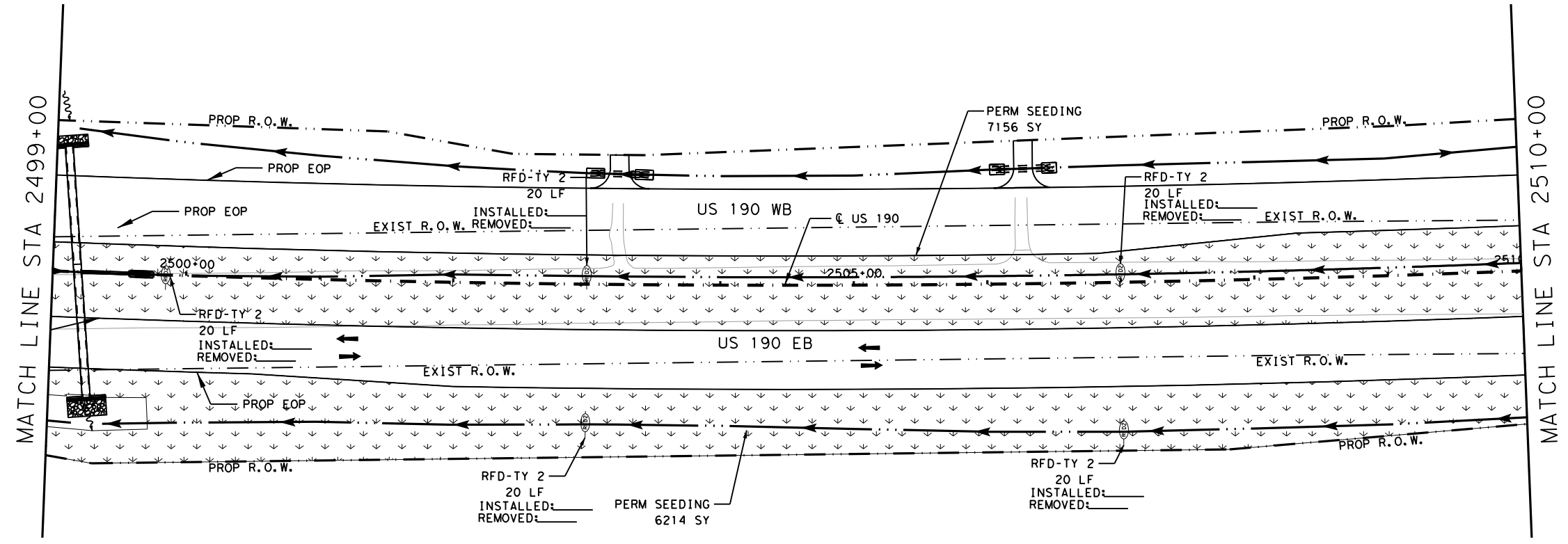
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 02

SHEET 33 OF 43

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1430
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	DISPLAY REVISION	SAJ

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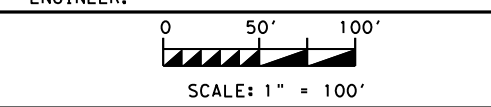


LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- CENTERLINES AND CONTROL LINES
- EXISTING ROW
- PROPOSED ROW
- SCF - TEMPORARY SEDIMENT CONTROL FENCE
- RFD - ROCK FILTER DAM
- ECL - BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- TEMPORARY SEEDING
- PROP GABIONS
- PERMANENT SEEDING
- PERMANENT RIPRAP
- SOIL RETENTION BLANKET

NOTE:

1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



STATE OF TEXAS
 STEPHEN A. JOHNSON
 103591
 LICENSED PROFESSIONAL ENGINEER
 6/21/2024

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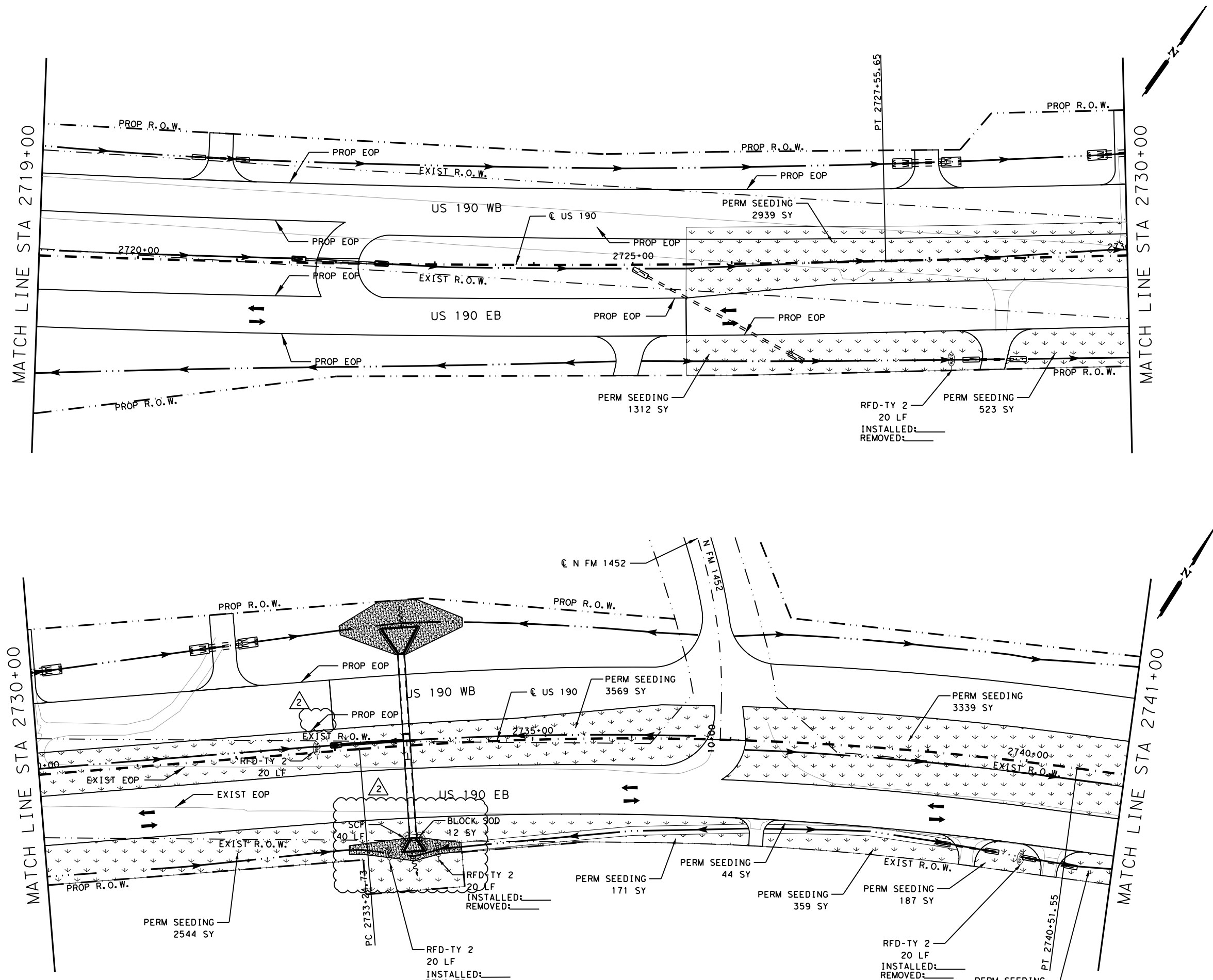
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 03

SHEET 18 OF 32

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1464
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	QUANTITY REVISION	TBP

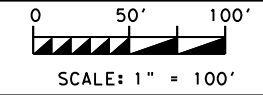
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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- SCF TEMPORARY SEDIMENT CONTROL FENCE
- RFD ROCK FILTER DAM
- ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▒ TEMPORARY SEEDING
- ▒ PROP GABIONS
- ▒ PERMANENT SEEDING
- ▒ PERMANENT RIPRAP
- ▒ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



STATE OF TEXAS
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 103591
 LICENSED PROFESSIONAL ENGINEER
 6/21/2024

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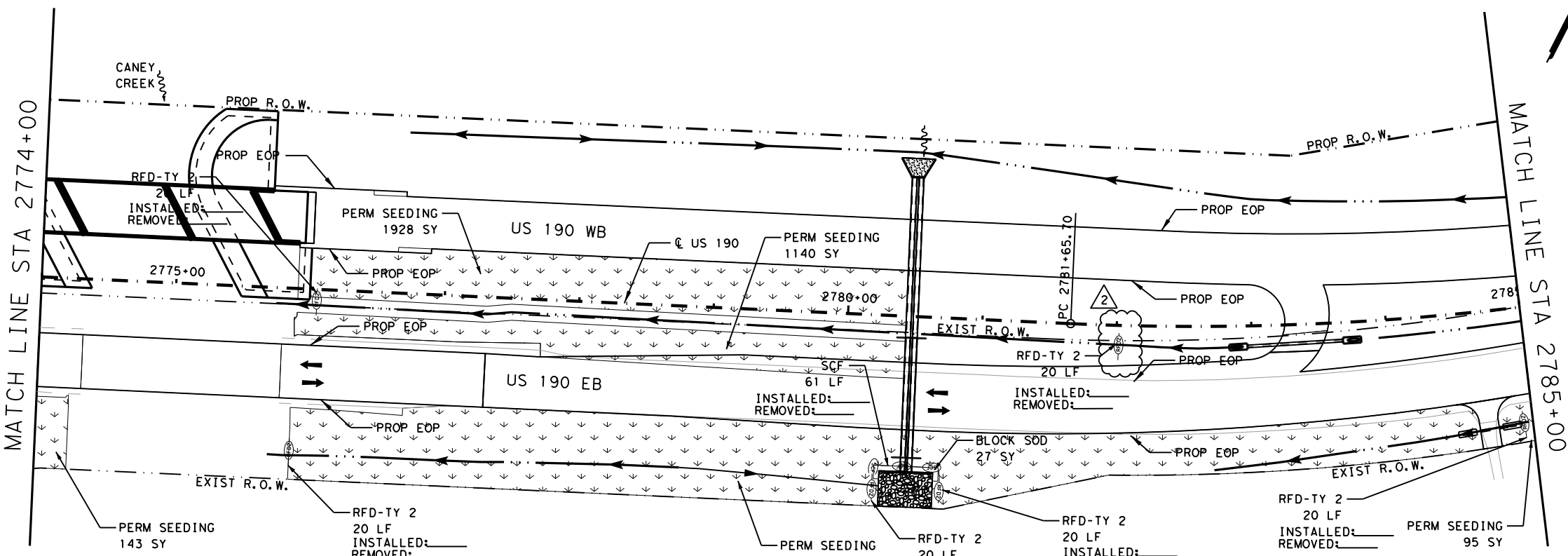
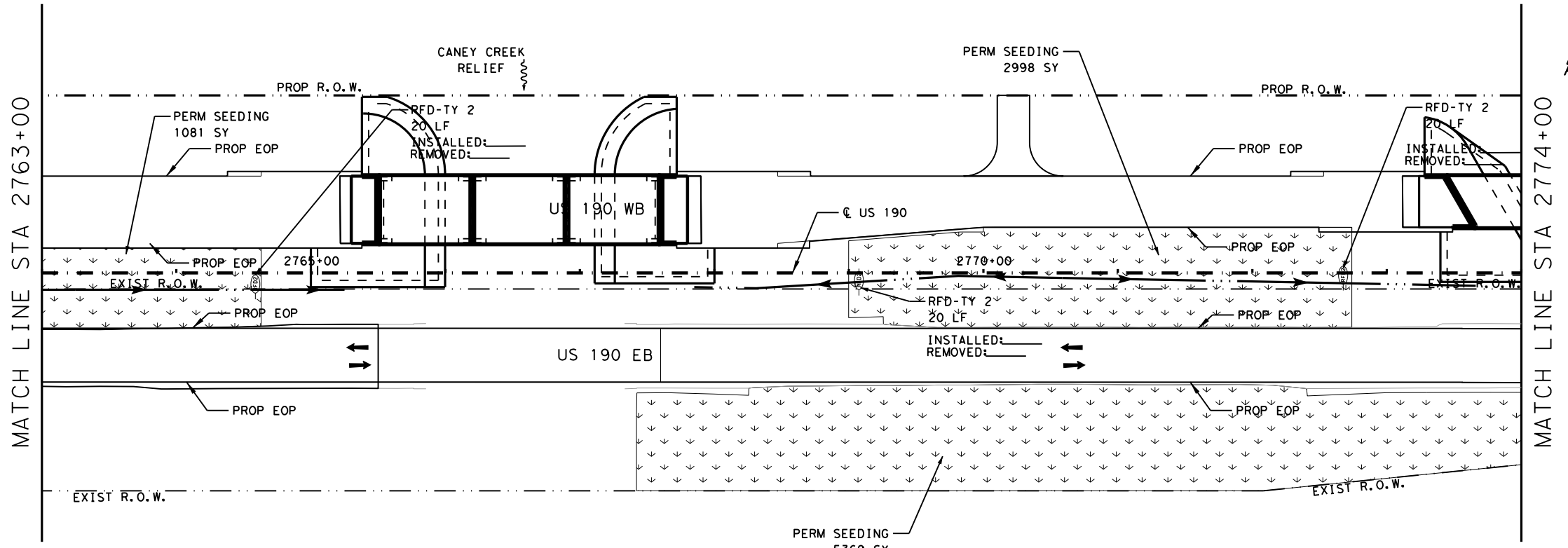
US 190
 STORM WATER
 POLLUTION PREVENTION
 PLAN (SW3P) PHASE 03

SHEET 28 OF 32

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		1474
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	DISPLAY REVISION	SAJ

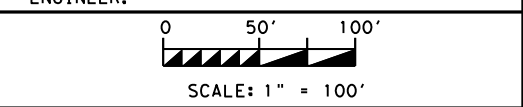
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LEGEND:

- EXISTING TOPOGRAPHY
- PROPOSED FEATURES
- - - CENTERLINES AND CONTROL LINES
- - - EXISTING ROW
- - - PROPOSED ROW
- ⊖ SCF TEMPORARY SEDIMENT CONTROL FENCE
- ⊖ RFD ROCK FILTER DAM
- ⊖ ECL BIODEG EROSION CONTROL LOG (STAKE & LASHING ANCHORING)
- ▾ TEMPORARY SEEDING
- ▣ PROP GABIONS
- ▣ PERMANENT SEEDING
- ▣ PERMANENT RIPRAP
- ▣ SOIL RETENTION BLANKET

NOTE:
 1) STABILIZED CONSTRUCTION ENTRANCE/EXITS TO BE PLACED IN FIELD AS DIRECTED BY ENGINEER.



US 190
 STORM WATER POLLUTION PREVENTION PLAN (SW3P) PHASE 03
 SHEET 30 OF 32

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1476
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		US 190, ETC.

NO.	DATE	REVISION	APPROV
2	10/25/24	DISPLAY REVISION	SAJ
		REVISION	

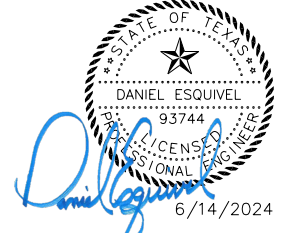
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SUMMARY OF ROADWAY ITEMS

LOCATION	100 6002	104 6022	104 6031	134 6004	247 6231	275 6001	275 6010	310 6028	354 6045	466 6105	467 6007	467 6009	467 6348	529 6008	760 6001	3077 6001	3077 6042	3077 6075	166 6001
	PREPARING ROW	REMOVING CONC (CURB AND GUTTER)	REMOVING CONC (HEADWALL)	BACKFILL (TY A OR B)	FL BS (CMP IN PLACE) (TY A GR 1-2) (10")	CEMENT	CEMENT TREAT (SUBGRADE) (8")	PRIME COAT (MC-30)	PLANE ASPH CONC PAV (2")	HEADWALL (CH - PW - O) (DIA= 60 IN)	SET (TY I) (24 IN)	SET (TY I) (30 IN)	SET (TY II) (18 IN) (CMP) (6: 1) (P)	CONC CURB & GUTTER (TY II)	DITCH CLEANING AND RESHAPING (FOOT)	SP MIXES SP-B PG64-22	SP MIXES SP-D SAC-A PG64-22	TACK COAT	FERTILIZER
	STA	LF	CY	STA	SY	TON	SY	GAL	SY	EA	EA	EA	EA	LF	LF	TON	TON	GAL	AC
US 190																			
1 OF 14 - 2133+00 TO 2137+00	4	0	0	4	0	0	0	0	1,867	0	0	0	0	0	0	1	0	0.24	0
2 OF 14 - 2137+00 TO 2148+00	11	0	0	11	0	0	0	0	5,123	0	0	0	0	0	0	3	0	0.66	0
3 OF 14 - 2148+00 TO 2159+00	11	0	0	11	0	0	0	0	5,210	0	1	0	6	0	0	3	0	0.66	0
4 OF 14 - 2159+00 TO 2170+00	11	0	0	11	0	0	0	0	5,165	0	0	0	6	0	0	3	0	0.66	0
5 OF 14 - 2170+00 TO 2181+00	11	0	0	11	0	0	0	0	5,278	0	5	0	5	0	0	3	0	0.66	0
6 OF 14 - 2181+00 TO 2192+00	11	400	0	11	2,975	45	2,975	60	2,998	0	0	0	1	400	96	3	6.55	4.23	0
7 OF 14 - 2192+00 TO 2203+00	11	0	0	11	0	0	0	0	5,172	0	0	3	2	0	2092	3	0	0.66	2
8 OF 14 - 2203+00 TO 2214+00	11	0	0	11	0	0	0	0	5,178	0	0	0	4	0	2200	3	0	0.66	1
9 OF 14 - 2214+00 TO 2225+00	11	0	0	11	0	0	0	0	5,250	0	2	0	3	0	564	3	0	0.66	0
10 OF 14 - 2225+00 TO 2236+00	11	0	13	11	0	0	0	0	5,002	2	0	0	0	0	0	3	0	0.66	1
11 OF 14 - 2236+00 TO 2247+00	11	0	0	11	0	0	0	0	5,196	0	0	0	2	0	0	3	0	0.66	0
12 OF 14 - 2247+00 TO 2258+00	11	0	0	11	0	0	0	0	5,061	0	0	0	0	0	760	3	0	0.66	0
13 OF 14 - 2258+00 TO 2269+00	11	0	0	11	0	0	0	0	5,041	0	0	0	0	0	0	3	0	0.66	0
14 OF 14 - 2269+00 TO 2269+87	1	0	0	1	0	0	0	0	390	0	0	0	0	0	0	0	0	0.06	0
CSJ 0117-03-024 SUBTOTAL	137	400	13	137	2,975	45	2,975	60	61,930	2	8	3	29	400	5,712	37	7	12	4

✕ FOR CONTRACTOR'S INFORMATION ONLY, NO DIRECT PAYMENT

2	10/25/24	UPDATED QUANTITIES	DE
NO.	DATE	REVISION	APPROV

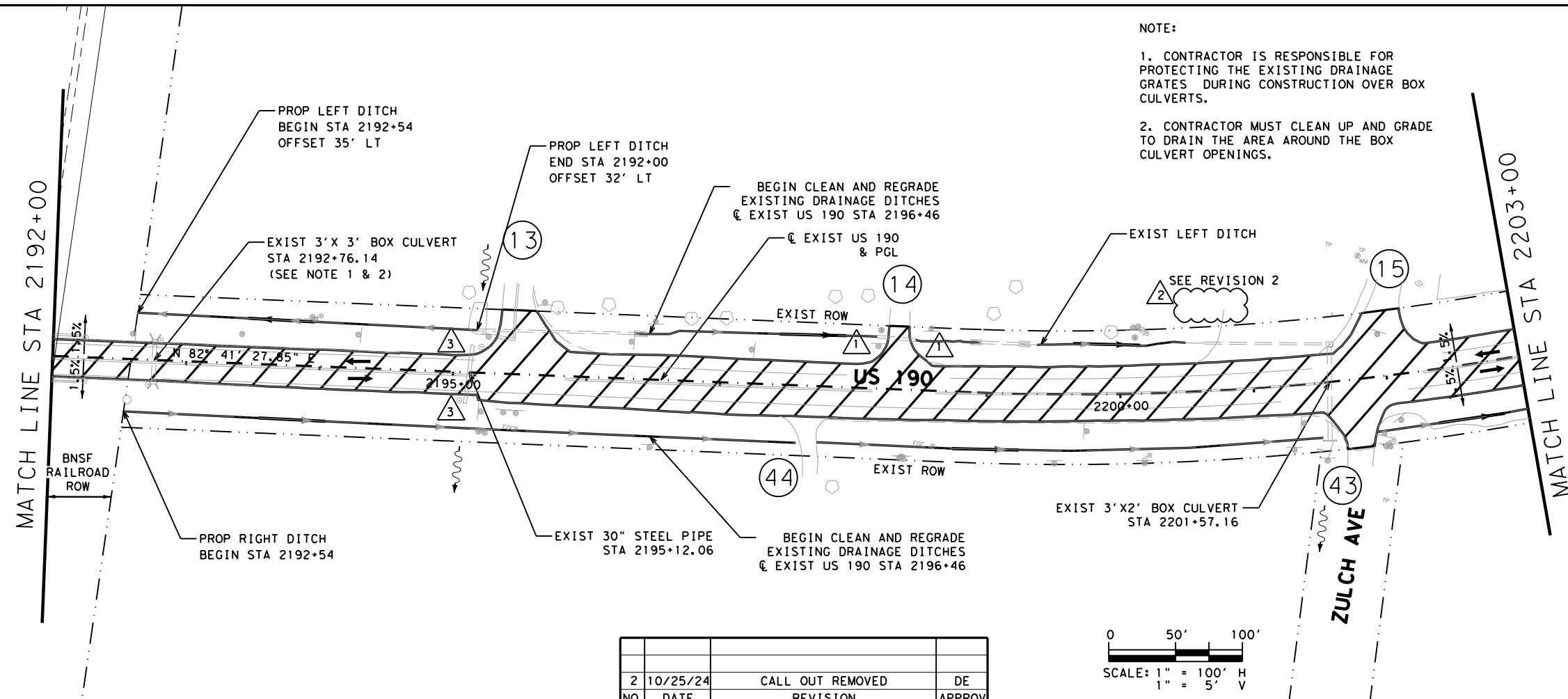


US 190
**SUMMARY OF
 QUANTITIES**

SHEET 1 OF 3

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
6	SEE TITLE SHEET		1545
STATE	DISTRICT	COUNTY	
TEXAS	BRY	MADISON	
CONTROL	SECTION	JOB	HIGHWAY
0117	03	024, ETC.	US 190, ETC.

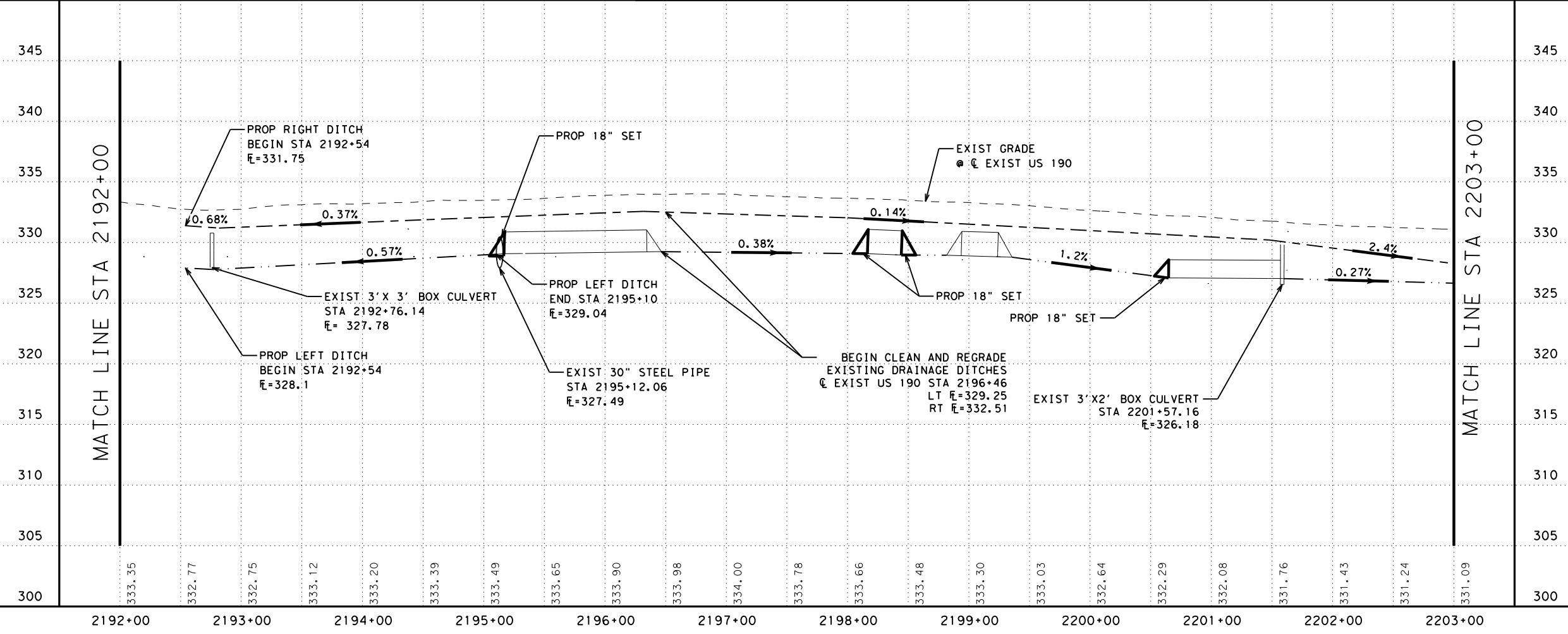
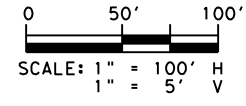
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NOTE:
 1. CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING DRAINAGE GRATES DURING CONSTRUCTION OVER BOX CULVERTS.
 2. CONTRACTOR MUST CLEAN UP AND GRADE TO DRAIN THE AREA AROUND THE BOX CULVERT OPENINGS.

- LEGEND:**
- EXISTING TOPOGRAPHY
 - - - BASELINE AND CONTROL LINES
 - · - · - EXISTING ROW
 - ⇨ EXIST DIRECTION OF TRAFFIC
 - ⇨ PROP DIRECTION OF TRAFFIC
 - STREET REMOVAL CONC./ASPH.
 - ▨ DRIVEWAY REMOVAL CONC./ASPH.
 - ▨ MILL & OVERLAY
 - ▨ REPAIR BASE AND REPAVE
 - ⊗ DRIVEWAY NUMBER
 - ▭ EXIST DRIVEWAYS CULVERT W/ SETS
 - ▭ EXIST DRIVEWAY CULVERT
 - EXIST DITCH
 - PROP DITCH
 - △ 1 PROP 18" SET
 - △ 2 PROP 24" SET
 - △ 3 PROP 30" SET
 - △ 4 PROP 48" SET

NO.	DATE	REVISION	APPROV
2	10/25/24	CALL OUT REMOVED	DE



US 190
**ROADWAY
 PLAN & PROFILE**
 STA 2192+00 TO STA 2203+00

SHEET 7 OF 14

FED. RD. DIV. NO.	FEDERAL AID PROJECT	SHEET NO.
6	SEE TITLE SHEET	1557
STATE	DISTRICT	COUNTY
TEXAS	BRY	MADISON
CONTROL	SECTION	JOB
0117	03	024, ETC.
		HIGHWAY
		US 190, ETC.