SHEET 1 OF 9

100% SUBMITTAL

Texas Department of Transportation

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CORPUS CHRISTI DISTRICT

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC FOR:

US 281 @ PREMONT

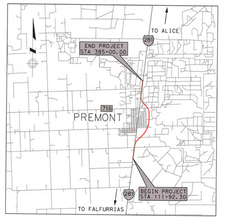
JIM WELLS COUNTY

PROJECT LIMITS: 0.3 MI NORTH OF FM 1538 TO 1.0 MI NORTH OF CO RD 431

APPROX LENGTH OF PROJECT = 27,308 FT + 5.2 MI

CSJ NO. 0255-02-050

NOTE: FOR TYPICAL SECTIONS AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 5 OF 9.



VICINITY MAP

HORZ SCALE: 1"=100'

VERT SCALE: 1"=10'

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREEWAY	70 MPH
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
RAMPS	RURAL RAMPS	60 MPH
BUS 281 RAMPS	RURAL RAMPS	50 MPH
LOCAL ROADS	RURAL LOCAL	30 MPH

AVERAGE DAILY TRAFFIC (ADT)

MAINLANES	
2011	9,300
2041	15,300

NOTE: ALL BEARINGS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83 (CORS 1996, EPOCH 2002), SOUTH ZONE (4205), NAVD 88 (GEOID 09) AND ADJUSTED TO SURFACE USING A COMBINED SCALE FACTOR OF 1.00009. UNITS ARE US SURVEY FEET.

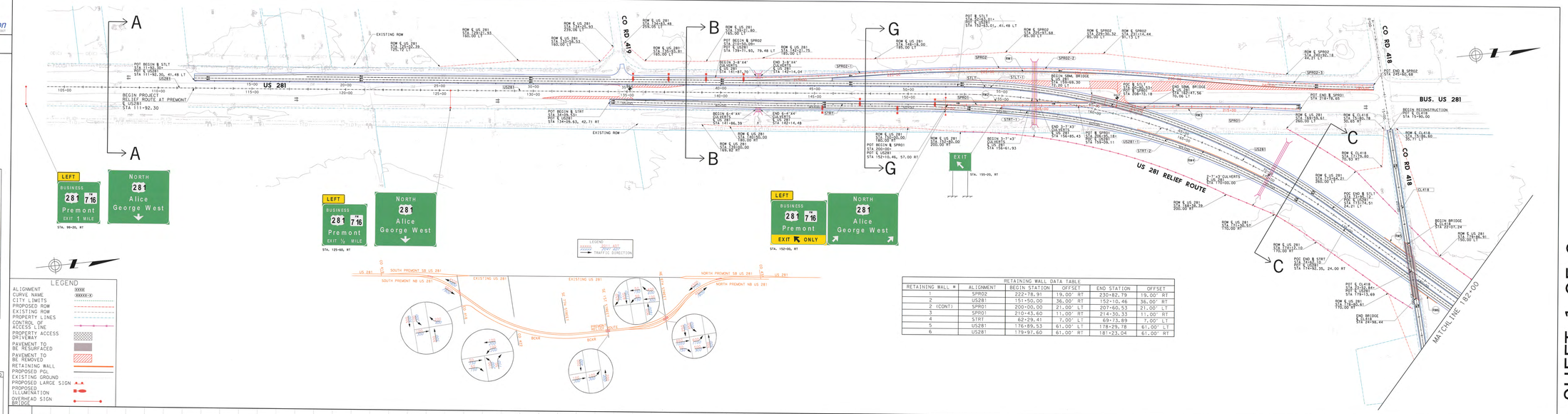
NOT A BIDDING DOCUMENT

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF FINAL SCHEMATIC DESIGN UNDER THE AUTHORITY OF STEVEN R. LINDSEY, P.E. 105283 ON OCTOBER 28, 2015. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

STATE OF TEXAS — STEVEN R. LINDSEY — 105283 — LICENSED PROFESSIONAL ENGINEER — 11/4/2015

DESIGNED: EG
CHECKED: JMS
DRAWN: EG
CHECKED: JMS

ATKINS — ATKINS NORTH AMERICA, INC. 6504 BRIDGE POINT PARKWAY, SUITE 200 AUSTIN, TX 78730 — TBPE REG. F-474

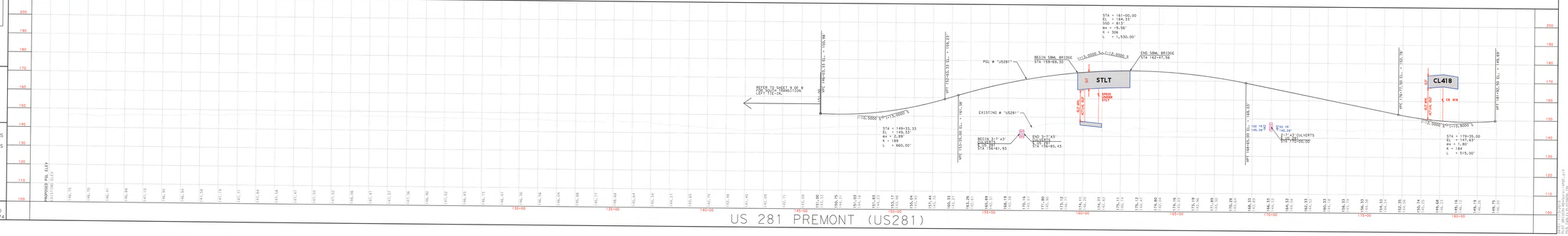


LEGEND

ALIGNMENT	XXXX
CURVE NAME	XXXXX-X
CITY LIMITS	
PROPOSED ROW	
EXISTING ROW	
PROPERTY LINES	
CONTROL OF ACCESS LINE	
PROPERTY ACCESS DRIVEWAY	
PAVEMENT TO BE RESURFACED	
PAVEMENT TO BE REMOVED	
RETAINING WALL	
PROPOSED PGL	
EXISTING GROUND	
PROPOSED LARGE SIGN	
PROPOSED ILLUMINATION	
OVERHEAD SIGN BRIDGE	

RETAINING WALL DATA TABLE

RETAINING WALL #	ALIGNMENT	BEGIN STATION	OFFSET	END STATION	OFFSET
1	SPRO2	222+78.91	19.00' RT	230+82.79	19.00' RT
2	US281	151+50.00	36.00' RT	152+10.46	36.00' RT
2 (CONT)	SPRO1	200+00.00	21.00' LT	207+60.53	21.00' LT
3	SPRO1	210+43.60	11.00' RT	214+30.33	11.00' RT
4	STRT	62+29.41	7.00' LT	69+73.89	7.00' LT
5	US281	176+89.53	61.00' LT	178+29.78	61.00' LT
6	US281	179+97.60	61.00' RT	181+23.04	61.00' RT



SHEET 1 OF 9

100% SUBMITTAL

SHEET 2 OF 9

Texas Department of Transportation

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CORPUS CHRISTI DISTRICT

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC FOR:

US 281 @ PREMONT

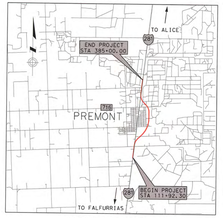
JIM WELLS COUNTY

PROJECT LIMITS: 0.3 MI NORTH OF FM 1538 TO 1.0 MI NORTH OF CO RD 431

APPROX LENGTH OF PROJECT = 27,308 FT = 5.2 MI

CSJ NO. 0255-02-050

NOTE: FOR TYPICAL SECTIONS AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 5 OF 9.



VICINITY MAP

HORZ SCALE: 1"=100'

100 0 100

VERT SCALE: 1"=10'

10 0 10

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREEWAY	70 MPH
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
RAMPS	RURAL RAMPS	60 MPH
BUS 281 RAMPS	RURAL RAMPS	50 MPH
LOCAL ROADS	RURAL LOCAL	30 MPH

AVERAGE DAILY TRAFFIC (ADT)

MAINLANES	
2011	9,300
2041	15,300

NOTE: ALL BEARINGS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83 (CORS 1996, EPOCH 2002), SOUTH ZONE (4205), NAVD 88 (GEOID 09) AND ADJUSTED TO SURFACE USING A COMBINED SCALE FACTOR OF 1.00009. UNITS ARE US SURVEY FEET.

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STATE OF TEXAS
STEVEN R. LINDSEY
105283
LICENSED
PROFESSIONAL ENGINEER

11/4/2015

DESIGNED: EG
CHECKED: JMS
DRAWN: EG
CHECKED: JMS

ATKINS

ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730
TBPE REG. F-474

DATE: 11/2/2015
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PLOT DATE: 11/2/2015
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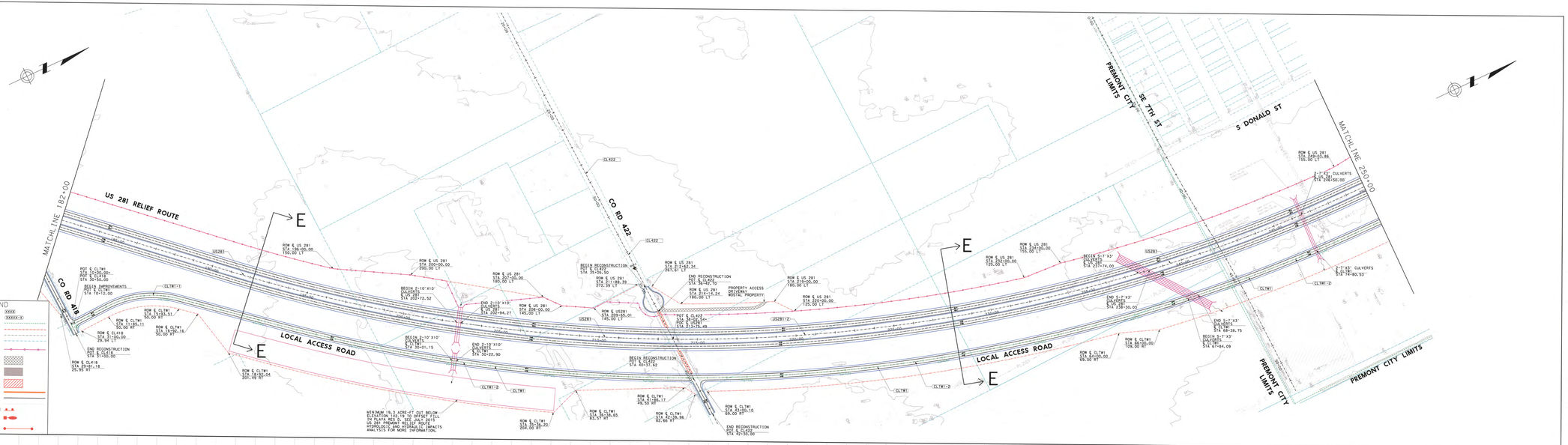

SHEET 2 OF 9

SHEET 3 OF 9 100% SUBMITTAL

Texas Department of Transportation
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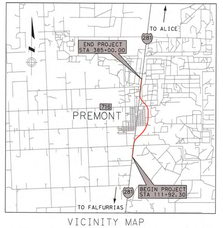
CORPUS CHRISTI DISTRICT

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR:
US 281 @ PREMONT

JIM WELLS COUNTY
PROJECT LIMITS: 0.3 MI NORTH OF FM 1538
TO 1.0 MI NORTH OF CO RD 431
APPROX. LENGTH OF PROJECT = 27,328 FT = 5.2 MI
CSJ NO. 0255-02-050

NOTE: FOR TYPICAL SECTIONS AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 5 OF 9.



VICINITY MAP

HORZ SCALE: 1"=100'
100 0 100

VERT SCALE: 1"=10'
10 0 10

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREEWAY	70 MPH
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LOCAL ROADS	RURAL LOCAL	30 MPH

AVERAGE DAILY TRAFFIC (ADT)
MAINLANES
2011 9,300
2041 15,300

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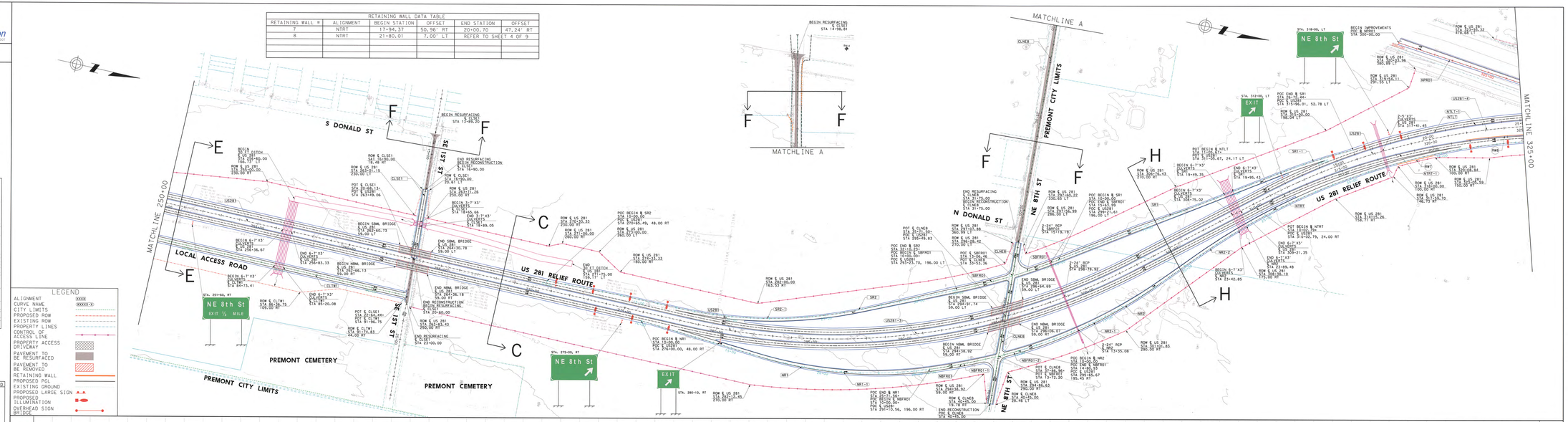
STEVEN R. LINDSEY
105283
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
11/4/2015

DESIGNED: EG
CHECKED: JMS
DRAWN: EG
CHECKED: JMS

ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

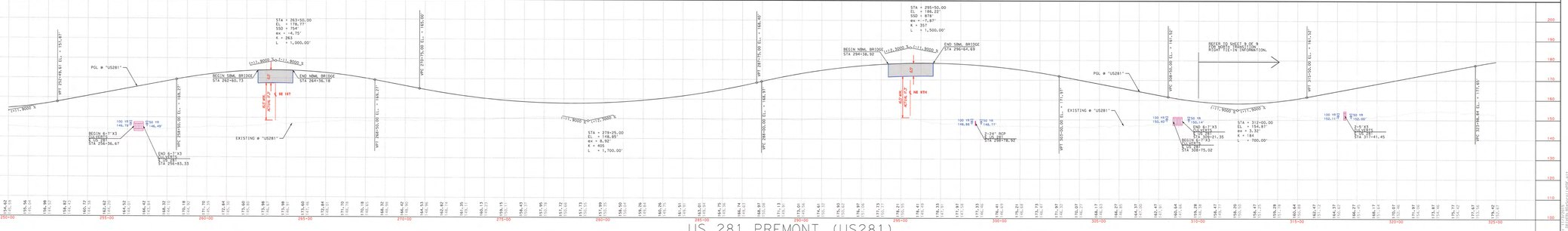
DATE: 11/2/2015
FILE: 0255-02-050_SHEET_3.DGN
PW: 0255-02-050_SHEET_3.PW
FILE: 0255-02-050_SHEET_3.DGN

RETAINING WALL DATA TABLE					
RETAINING WALL #	ALIGNMENT	BEGIN STATION	OFFSET	END STATION	OFFSET
7	NTRT	17+94.37	50.96' RT	20+00.70	47.24' RT
8	NTRT	21+80.01	7.00' LT	REFER TO SHEET 4 OF 9	



LEGEND

- ALIGNMENT
- CURVE NAME
- CITY LIMITS
- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- CONTROL OF ACCESS LINE
- PROPERTY ACCESS DRIVEWAY
- PAVEMENT TO BE RESURFACED
- PAVEMENT TO BE REMOVED
- RETAINING WALL
- PROPOSED PGL
- EXISTING GROUND
- PROPOSED LARGE SIGN
- PROPOSED ILLUMINATION
- OVERHEAD SIGN BRIDGE



SHEET 3 OF 9

100% SUBMITTAL

SHEET 4 OF 9

Texas Department of Transportation

CORPUS CHRISTI DISTRICT

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC FOR:

US 281 @ PREMONT

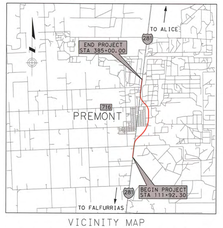
JIM WELLS COUNTY

PROJECT LIMITS: 0.3 MI NORTH OF FM 1538 TO 1.0 MI NORTH OF CO RD 431

APPROX LENGTH OF PROJECT = 27,308 FT = 5.2 MI

CSJ NO. 0255-02-050

NOTE: FOR TYPICAL SECTIONS AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 5 OF 9.



VICINITY MAP

HORZ SCALE: 1"=100'

100 0 100

VERT SCALE: 1"=10'

10 0 10

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREEWAY	70 MPH
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AVERAGE DAILY TRAFFIC (ADT)	
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STATE OF TEXAS
STEVEN R. LINDSEY
105283
LICENSED
11/4/2015

DESIGNED: EG
CHECKED: JMS
DRAWN: EC
CHECKED: JMS

ATKINS
ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730
TBPE REG. F-474

DATE: 11/5/2015
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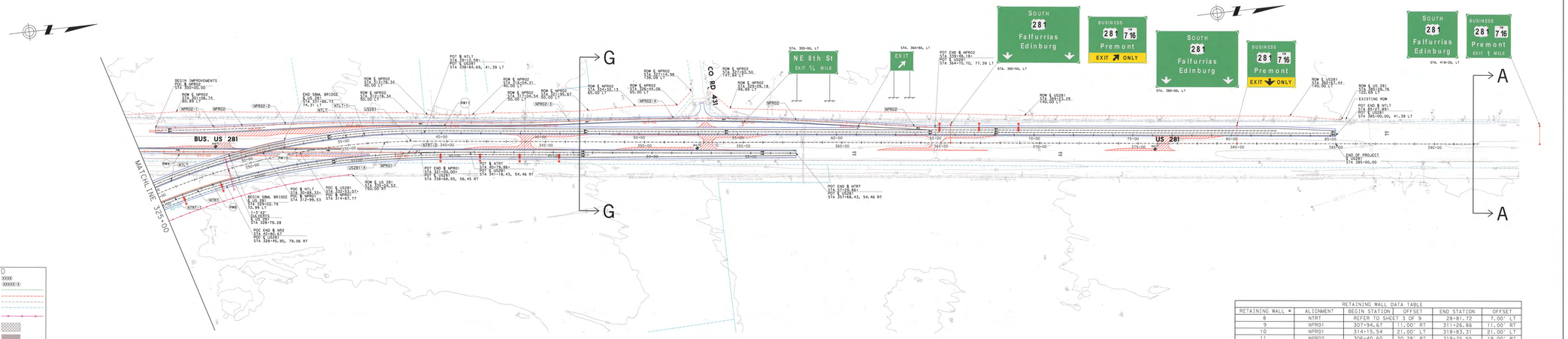
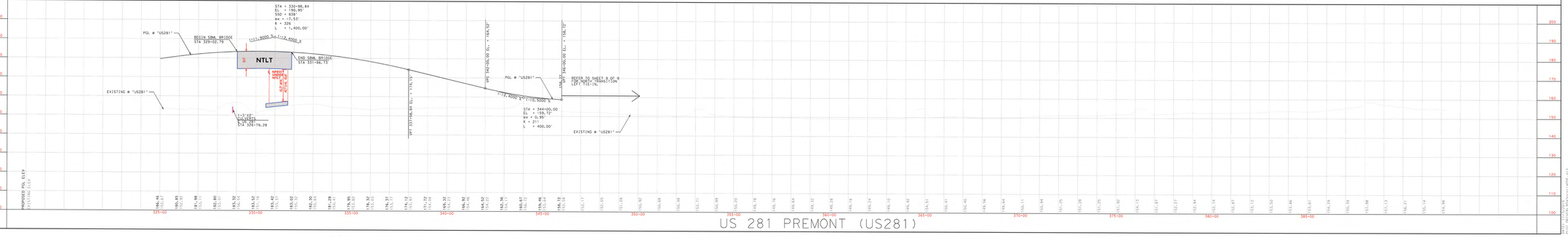
FILE: US281N-SHEET4.PDF
FILE: I:\CORPUS\PROJECTS\02550050\DESIGN\CADD\PLAN\US281N-SHEET4.DGN

LEGEND

- ALIGNMENT — XXXX
- CURVE NAME — XXXXX-X
- CITY LIMITS
- PROPOSED ROW
- EXISTING ROW
- PROPERTY LINES
- CONTROL OF ACCESS LINE
- PROPERTY ACCESS DRIVEWAY
- PAVEMENT TO BE RESURFACED
- PAVEMENT TO BE REMOVED
- RETAINING WALL
- PROPOSED PGL
- EXISTING GROUND
- PROPOSED LARGE SIGN — A A
- PROPOSED ILLUMINATION
- OVERHEAD SIGN BRIDGE



RETAINING WALL TABLE					
RETAINING WALL #	ALIGNMENT	BEGIN STATION	OFFSET	END STATION	OFFSET
8	NTRT	REFER TO SHEET 3 OF 9		28+81.72	7.00' LT
9	NPR01	307+94.67	11.00' RT	311+26.86	11.00' RT
10	NPR01	314+15.54	21.00' LT	318+83.31	21.00' LT
11	NPR02	306+40.60	30.28' RT	319+75.55	19.00' RT



SHEET 4 OF 9

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CORPUS CHRISTI DISTRICT

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR:
US 281 @ PREMONT

JIM WELLS COUNTY

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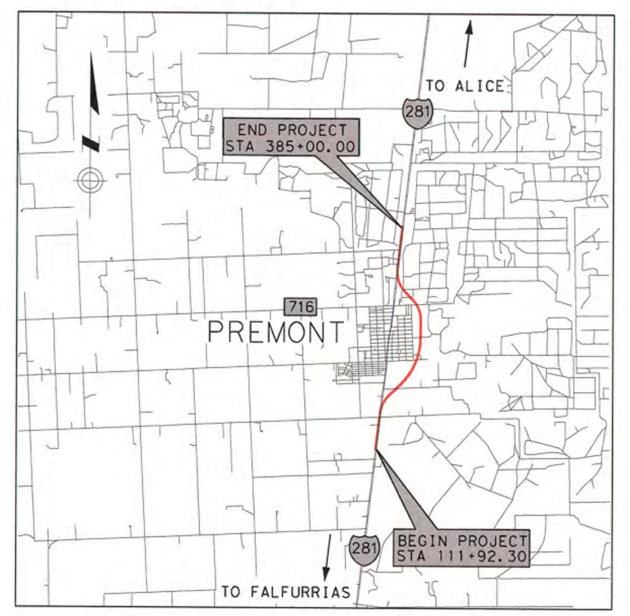

VICINITY MAP

HORZ SCALE: 1"=100'   100 0 100

VERT SCALE: 1"=10'   10 0 10

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREEWAY	70 MPH
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MAINLANES		
2011		9,300
2041		15,300

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STATE OF TEXAS
STEVEN R. LINDSEY
105283
LICENSED
PROFESSIONAL ENGINEER

11/4/2015

DESIGNED: EG
CHECKED: JMS
DRAWN: EG
CHECKED: JMS

ATKINS
ATKINS NORTH AMERICA, INC.
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730
TBPE REG. F-474

DATE: 11/3/2015
PLOT DRIVER: RD*Scroll*PDF.plt
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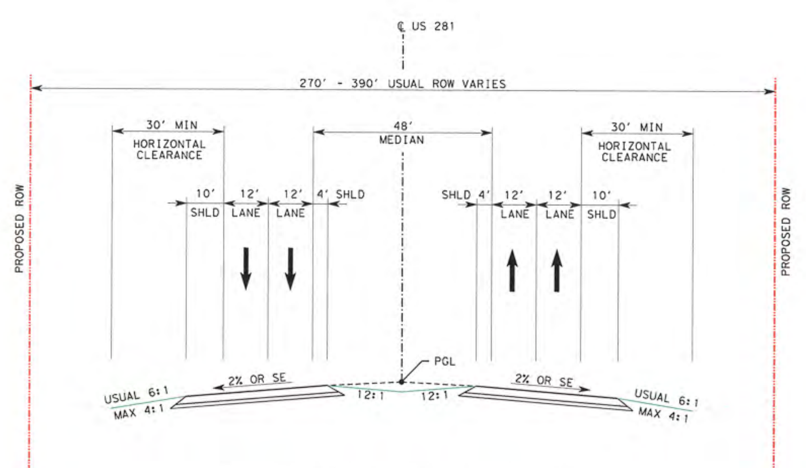
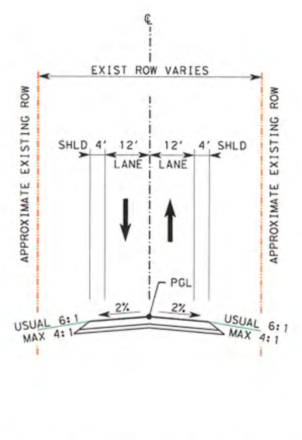


US-281 RELIEF ROUTE AT PREMONT
PROPOSED TYPICAL SECTION
WITHOUT ACCESS ROADS
SECTION C-C



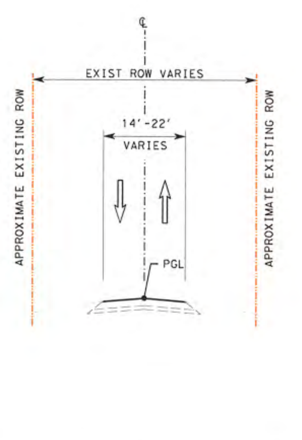
US-281 RELIEF ROUTE AT PREMONT
PROPOSED SIDE STREET
TYPICAL SECTION
SECTION D-D

SE 1ST ST
STA 16+90.00 TO 20+60.00

NE 8TH ST
STA 31+75.00 TO 40+30.00

CR 418
STA 15+90.00 TO 31+00.00

CR 422
STA 42+36.82 TO 43+23.47



US-281 RELIEF ROUTE AT PREMONT
TYPICAL SECTION
SECTION F-F
RESURFACING

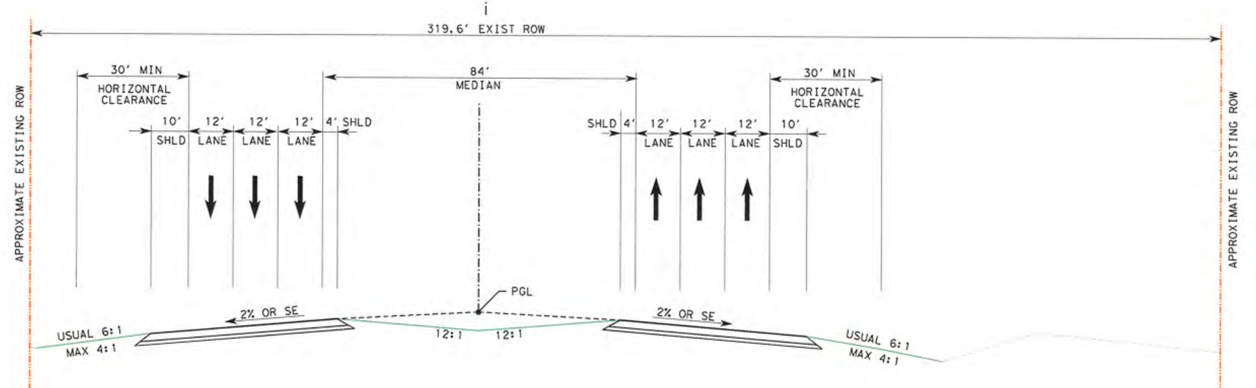
SE 1ST ST
STA 13+89.20 TO 16+90.00

SE 1ST ST
STA 20+60.00 TO 23+00.00

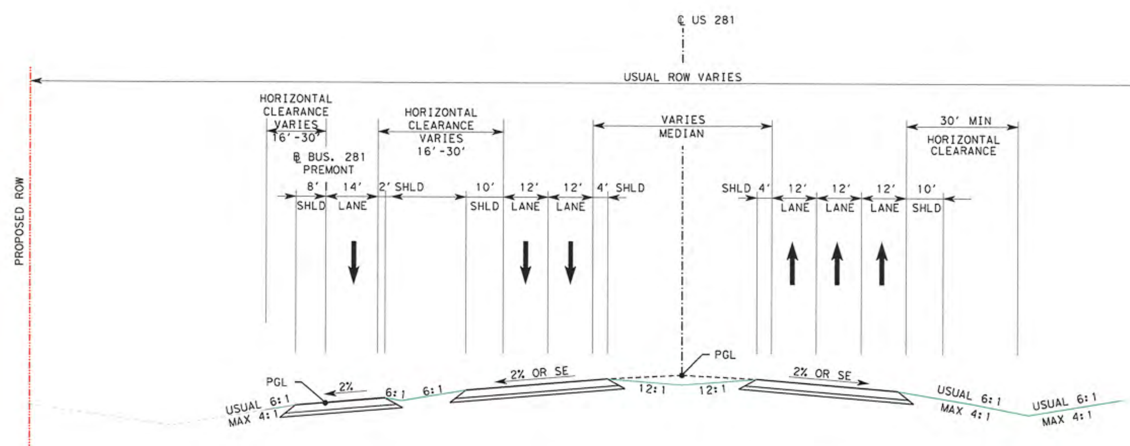
NE 8TH ST
STA 14+98.81 TO 31+75.00

ALIGNMENT NO.	DESIGN SPEED	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	L	T	R	e(%) MAX 6%	PC COORDINATE "X"	PC COORDINATE "Y"	PI COORDINATE "X"	PI COORDINATE "Y"	PT COORDINATE "X"	PT COORDINATE "Y"	BEARING BACK	BEARING AHEAD
US281	70 MPH			100+00.00										1,104,842.4642	17,006,234.4067				N 6° 39' 50.05" E
		US281-1	152+80.00	163+81.22	174+12.10	35° 21' 27.34" RT	1° 39' 30.04"	2,132.10'	1,101.22'	3,455.00'	5.000	1,105,455.1819	17,011,478.7348	1,105,582.9732	17,012,572.5174	1,106,320.1420	17,013,390.6087	N 6° 39' 50.05" E	N 42° 01' 17.40" E
		US281-2	190+89.32	221+31.72	249+03.86	41° 38' 36.88" LT	0° 42' 58.31"	5,814.54'	3,042.40'	8,000.00'	2.600	1,107,442.8899	17,014,636.6061	1,109,479.4989	17,016,896.7835	1,109,499.5662	17,019,939.1141	N 42° 01' 17.40" E	N 0° 22' 40.51" E
		US281-3	278+54.26	291+20.23	302+81.23	40° 14' 51.07" LT	1° 39' 30.04"	2,426.97'	1,265.98'	3,455.00'	5.000	1,109,519.0268	17,022,889.4438	1,109,527.3770	17,024,155.3916	1,108,715.8330	17,025,127.0345	N 0° 22' 40.51" E	N 39° 52' 10.56" W
		US281-4	310+71.63	325+57.74	338+78.54	46° 32' 53.46" RT	1° 39' 30.04"	2,806.91'	1,486.11'	3,455.00'	5.000	1,108,209.1530	17,025,733.6708	1,107,256.4957	17,026,874.2654	1,107,429.3291	17,028,350.2873	N 39° 52' 10.56" W	N 6° 40' 42.90" E
				392+30.68										1,108,051.7802	17,033,666.1087				
NTLT	70 MPH	NTLT-1	11+05.67	25+91.78	39+12.58	46° 32' 53.46" RT	1° 39' 30.04"	2,806.91'	1,486.11'	3,455.00'	5.000	1,108,168.7575	17,025,744.5964	1,107,216.1001	17,026,885.1910	1,107,388.9335	17,028,361.2130	N 39° 52' 10.56" W	N 6° 40' 42.90" E
				85+27.89										1,107,925.6916	17,032,945.2035				
NTRT	70 MPH	NTRT-1	10+02.79	23+09.98	35+02.15	41° 26' 52.46" RT	1° 39' 30.04"	2,499.36'	1,307.19'	3,455.00'	5.000	1,108,271.6998	17,025,696.2239	1,107,433.7377	17,026,699.4966	1,107,469.7417	17,028,006.1872	N 39° 52' 10.56" W	N 1° 34' 41.89" E
		NTRT-2	35+02.15	37+91.20	40+79.86	5° 06' 01.00" RT	0° 52' 58.19"	577.72'	289.05'	6,490.00'	3.000	1,107,469.7417	17,028,006.1872	1,107,477.7030	17,028,295.1275	1,107,511.3194	17,028,582.2161	N 1° 34' 41.89" E	N 6° 40' 42.90" E
				57+29.86										1,107,703.2135	17,030,221.0195				
STLT	70 MPH			11+92.30										1,104,939.6243	17,007,423.4627				N 6° 39' 50.05" E
		STLT-1	52+63.02	63+64.24	73+95.12	35° 21' 27.34" RT	1° 39' 30.04"	2,132.10'	1,101.22'	3,455.00'	-5.000	1,105,412.0106	17,011,466.6769	1,105,539.8020	17,012,560.4595	1,106,276.9707	17,013,378.5508	N 6° 39' 50.05" E	N 42° 01' 17.40" E
STRT	70 MPH			34+09.53										1,105,280.5533	17,009,616.0401				N 7° 29' 30.41" E
				42+49.62										1,105,390.0872	17,010,448.9565				N 6° 40' 23.97" E
		STRT-1	49+93.04	53+88.81	57+83.61	6° 58' 46.05" RT	0° 52' 58.19"	790.58'	395.78'	6,490.00'	-3.000	1,105,476.4788	17,011,187.3391	1,105,522.4714	17,011,580.4353	1,105,615.8898	17,011,965.0299	N 6° 40' 23.97" E	N 13° 39' 10.02" E
		STRT-2	57+83.61	66+40.43	74+62.10	28° 22' 07.37" RT	1° 41' 24.51"	1,678.48'	856.82'	3,390.00'	-5.000	1,105,615.8898	17,011,965.0299	1,105,818.1307	17,012,797.6368	1,106,391.6922	17,013,434.1609	N 13° 39' 10.02" E	N 42° 01' 17.40" E
SBFR01	50 MPH	SBFR01-1	10+00.00	12+82.70	15+63.99	9° 54' 55.26" LT	1° 45' 29.08"	563.99'	282.70'	3,259.00'	-3.200	1,109,041.5666	17,024,237.2930	1,108,926.6251	17,024,495.5713	1,108,768.9268	17,024,730.1996	N 23° 59' 25.75" W	N 33° 54' 21.01" W
NBFR01	50 MPH	NBFR01-1	10+00.00	11+90.64	13+80.93	5° 58' 40.72" LT	1° 34' 09.54"	380.93'	190.64'	3,651.00'	3.800	1,109,484.8771	17,024,188.2022	1,109,418.2522	17,024,366.8182	1,109,333.3875	17,024,537.5242	N 20° 27' 20.93" W	N 26° 26' 01.66" W
		NBFR01-2	13+80.93	14+30.93	14+80.93	2° 12' 13.26" LT	2° 12' 13.26"	100.00'	50.01'	2,600.00'	3.800	1,109,333.3875	17,024,537.5242	1,109,311.1266	17,024,582.3022	1,109,287.1603	17,024,626.1911	N 26° 26' 01.66" W	N 28° 38' 14.92" W
SR1	60 MPH			10+00.00										1,108,768.9268	17,024,730.1996				N 33° 54' 21.01" W
		SR1-1	22+33.20	24+53.11	26+72.44	7° 14' 02.14" RT	1° 38' 48.85"	439.24'	219.91'	3,479.00'	4.000	1,108,081.0108	17,025,753.7012	1,107,958.3361	17,025,936.2202	1,107,859.6208	17,026,132.7338	N 33° 54' 21.01" W	N 26° 40' 18.87" W
SR2	60 MPH			10+00.00										1,109,465.8252	17,022,101.0091				N 1° 20' 25.58" W
				14+00.18										1,109,456.4638	17,022,501.0796				N 0° 00' 14.57" W
		SR2-1	17+00.19	21+96.80	26+78.40	24° 22' 06.26" LT	2° 29' 28.04"	978.21'	496.61'	2,300.00'	-5.000	1,109,456.4426	17,022,801.0862	1,109,459.7182	17,023,297.6893	1,109,257.8025	17,023,751.4022	N 0° 22' 40.51" E	N 23° 59' 25.75" W
				32+10.23										1,109,041.5666	17,024,237.2930				
NR1	60 MPH			10+00.00										1,109,565.3486	17,022,634.8740				N 4° 22' 40.51" E
		NR1-1	16+39.68	21+13.05	25+71.56	24° 50' 01.45" LT	2° 39' 53.71"	931.88'	473.37'	2,150.00'	5.200	1,109,614.1787	17,023,272.6898	1,109,650.3134	17,023,744.6803	1,109,484.8771	17,024,188.2022	N 4° 22' 40.51" E	N 20° 27' 20.93" W
NR2	60 MPH	NR2-1	10+00.00	14+32.89	18+57.90	18° 54' 19.64" LT	2° 12' 13.26"	857.90'	432.89'	2,600.00'	4.800	1,109,287.1603	17,024,626.1911	1,109,079.6928	17,025,006.1219	1,108,760.3168	17,025,298.3362	N 28° 38' 14.92" W	N 47° 32' 34.56" W
		NR2-2	20+81.61	32+20.34	42+80.67	36° 41' 54.60" RT	1° 40' 07.77"	2,199.06'	1,138.73'	3,433.30'	-4.000	1,108,595.2677	17,025,449.3484	1,107,755.1319	17,026,218.0337	1,107,540.8878	17,027,336.4276	N 47° 32' 34.56" W	N 10° 50' 39.96" W
SPR01	50 MPH			200+00.00										1,105,503.7309	17,011,403.0504				N 6° 40' 23.97" E
				215+78.49										1,105,687.1641	17,012,970.8417				N 8° 34' 56.92" E
				218+78.65										1,105,731.9588	17,013,267.6471				
SPR02	50 MPH	SPR02-1	210+50.09	214+54.08	218+57.68	4° 18' 15.66" LT	0° 31' 58.74"	807.59'	403.99'	10,750.00'	-2.000	1,105,224.4437	17,010,188.7277	1,105,271.3245	17,010,589.9858	1,105,287.9568	17,010,993.6307	N 6° 39' 50.05" E	N 2° 21' 34.39" E
		SPR02-2	218+57.68	226+59.68	234+58.72	8° 31' 59.72" RT	0° 31' 58.74"	1,601.03'	802.00'	10,750.00'	-2.000	1,105,287.9568	17,010,993.6307	1,105,320.9753	17,011,794.9507	1,105,472.5310	17,012,582.5005	N 2° 21' 34.39" E	N 10° 53' 34.10" E
		SPR02-3	236+30.13	240+95.62	245+60.68	4° 15' 55.23" LT	0° 27' 30.12"	930.55'	465.49'	12,500.00'	-2.000	1,105,504.9223	17,012,750.8197	1,105,592.8872	17,013,207.9242	1,105,646.6111	17,013,670.3051	N 10° 53' 34.10" E	N 6° 37' 38.88" E
NPR01	50 MPH			300+00.00										1,107,249.9753	17,026,247.1183				N 5° 51' 36.46" E
				307+00.07										1,107,321.4528	17,026,943.5312				N 6° 40' 42.90" E
				321+00.00										1,107,484.2638	17,028,333.9602				
NPR02	50 MPH	NPR02-1	300+00.00	302+77.84	305+55.55	3° 10' 58.94" LT	0° 34' 22.65"	555.55'	277.84'	10,000.00'	-2.000	1,107,208.4266	17,027,012.9321	1,107,240.5744	17,027,288.9102	1,107,257.3486	17,027,566.2475	N 6° 38' 39.30" E	N 3° 27' 40.35" E
		NPR02-2	305+55.55	308+36.39	311+17.08	3° 13' 02.54" RT	0° 34' 22.65"	561.54'	280.84'	10,000.00'	-2.000	1,107,257.3486	17,027,566.2475	1,107,274.3039	17,027,846.5778	1,107,306.9657	17,028,125.5146	N 3° 27' 40.35" E	N 6° 40' 42.90" E
		NPR02-3	316+17.36	319+18.83	322+20.20	2° 39' 24.91" LT	0° 26' 26.65"	602.84'	301.47'	13,000.00'	-2.000	1,107,365.1478	17,028,622.3981	1,107,400.2088	17,028,921.8242	1,107,421.3522	17,029,222.5537	N 6° 40' 42.90" E	N 4° 01' 17.99" E
		NPR02-4	322+20.20	328+13.07	334+04.98	5° 39' 24.91" RT	0° 28' 38.87"	1,184.78'	592.87'	12,000.00'	-2.000	1,107,421.3522	17,029,222.5537	1,107,462.9325	17,029,813.9666	1,107,562.6068	17,030,398.4006	N 4° 01' 17.99" E	N 9° 40' 42.90" E
				339+48.18										1,107,653.9308	17,030,933.8727				
CLSE7	30 MPH			10+00.00										1,106,140.2369	17,019,066.0395				N 87° 26' 37.15" E
		CLSE7-1	37+31.75	39+81.86	42+31.75	4° 05' 33.20" LT	0° 49' 06.64"	500.00'	250.11'	7,000.00'	-2.000	1,108,869.2692	17,019,187.8807	1,109,119.1266	17,019,199.0360	1,109,367.5509	17,019,227.9945	N 87° 26' 37.15" E	N 83° 21' 03.95" E
		CLSE7-2	42+31.75	44+56.88	46+81.75	4° 41' 16.21" RT	1° 02' 30.27"	450.00'	225.13'	5,500.00'	-2.000	1,109,367.5509	17,019,227.9945	1,109,591.1623	17,019,254.0607	1,109,816.1561	17,019,261.7646	N 83° 21' 03.95" E	N 88° 02' 20.16" E
				51+58.34										1,110,292.4658	17,019,278.0736				
CLSE1	30 MPH			10+00.00										1,108,442.2603	17,021,331.7128				N 87° 10' 46.03" E
				28+31.76										1,110,271.8012	17,021,421.8500				
CLNE8	30 MPH			10+00.00										1,106,552.8966	17,024,409.5509				N 87° 31' 44.33" E
				45+01.64										1,110,051.2836	17,024,560.5211				
CL418	30 MPH	CL41801		10+00.00										1,105,304.3889	17,013,703.5019				N 87° 28' 09.35" E
		CL41802		61+76.48										1,110,475.8247	17,013,932.0712				
CL422	30 MPH	CL422-1	10+00.00	12+50.01	15+00.00	0° 57' 17.75" LT	0° 11' 27.55"	500.00'	250.01'	30,000.00'	-2.000	1,105,911.6062	17,016,407.9444	1,106,161.5134	17,016,414.9642	1,106,411.2689	17,016,426.1480	N 88° 23' 27.61" E	N 87° 26' 09.86" E
		CL42202		54+95.75										1,110,403.0163	17,016,604.8939				
CLTW1	30 MPH			10+00.00										1,107,352.3895	17,013,794.0203				N 2° 31' 50.65" W
		CLTW1-1	12+04.49	13+98.22	15+74.14	42° 21' 33.69" RT	11° 27' 32.96"	369.66'	193.73'	500.00'	-4.800	1,107,343.3604	17,013,998.3062	1,107,334.8060	17,014,191.8505	1,107,458.8909	17,014,340.6306	N 2° 31' 50.65" W	N 39° 49' 43.04" E
		CLTW1-2	20+97.30	50+35.98	77+40.61	39° 27' 02.53" LT	0° 41' 56.65"	5,643.31'	2,938.68'	8,196.00'	2.000	1,107,793.9704	17,014,742.3972	1,109,676.1787	17,016,999.2003	1,109,695.5620	17,019,937.8213	N 39° 49' 43.04" E	N 0° 22' 40.51" E
				91+96.75										1,109,705.1666	17,021,393.9332				

CURVE AND COORDINATE DATA



US-281 RELIEF ROUTE AT PREMONT
PROPOSED TYPICAL SECTION
SECTION B-B

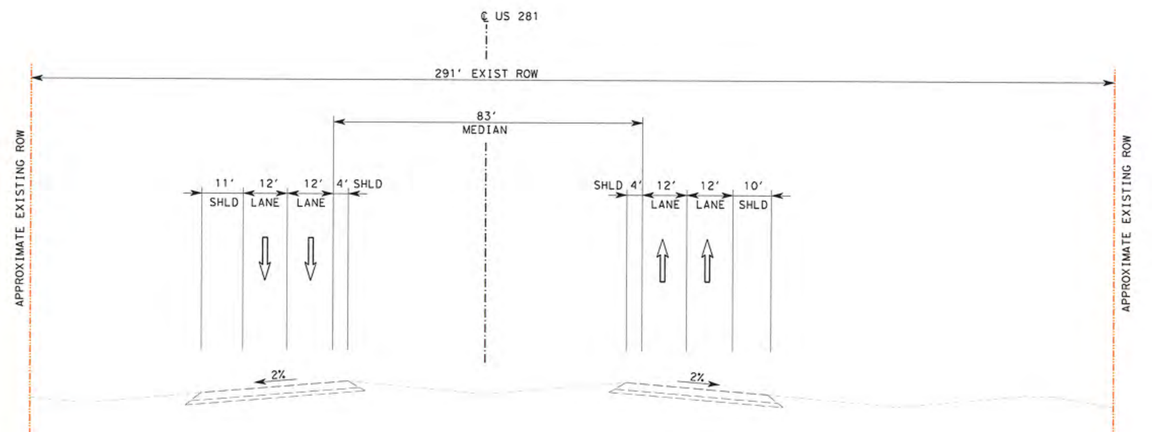


US-281 RELIEF ROUTE AT PREMONT
PROPOSED TYPICAL SECTION W/
BUS. US 281 RAMP ACCESS ROAD
SECTION G-G

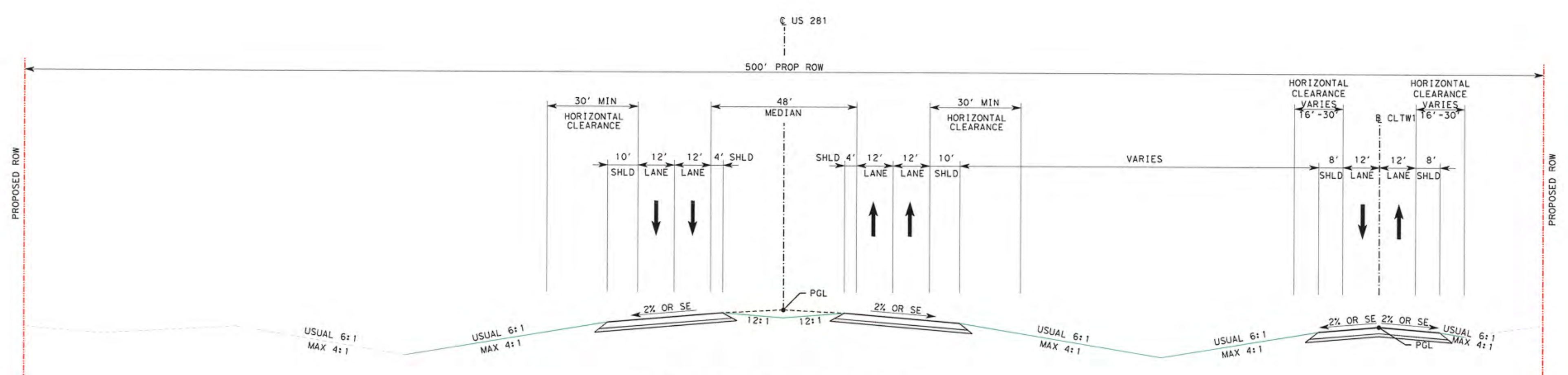
BM #	X	Y	Z	CENTERLINE	STATION	OFFSET	DESCRIPTION
1*	1104784.393	17005669.277	146.976				MAG NAIL SET AT CORNER OF STOP BAR
2	1105235.048	17009727.578	150.056	US281	135+15.13	15.43' LT	MAG NAIL SET AT CORNER OF STOP BAR
3	1105565.554	17012304.888	146.436	US281	161+00.91	85.72' LT	MAG NAIL SET AT CORNER OF STOP BAR
4*	1106048.585	17016391.927	153.662	CL422	11+36.38	20.17' RT	MAG NAIL SET AT CORNER OF STOP BAR
5	1108300.523	17016506.716	147.408	CL422	33+90.97	4.03' RT	MAG NAIL SET IN ASPHALT
6B*	1106487.837	17020472.855	155.798				MAG NAIL SET AT END OF PAINT STRIPE
8*	1107013.732	17024690.578	157.862	CLNE8	14+72.52	260.90' LT	MAG NAIL SET AT END OF PAINT STRIPE
9	1107336.842	17027305.139	154.875	US281	328+51.94	127.21' LT	MAG NAIL SET AT END OF PAINT STRIPE
10	1107620.321	17029726.407	151.98	US281	352+67.53	29.65' RT	MAG NAIL SET AT END OF PAINT STRIPE
11	1107889.187	17032028.864	153.865	US281	375+85.63	28.92' RT	MAG NAIL SET AT END OF PAINT STRIPE
12*	1108220.672	17034866.712	154.424				MAG NAIL SET AT END OF PAINT STRIPE

PREMONT BENCHMARK LOCATIONS

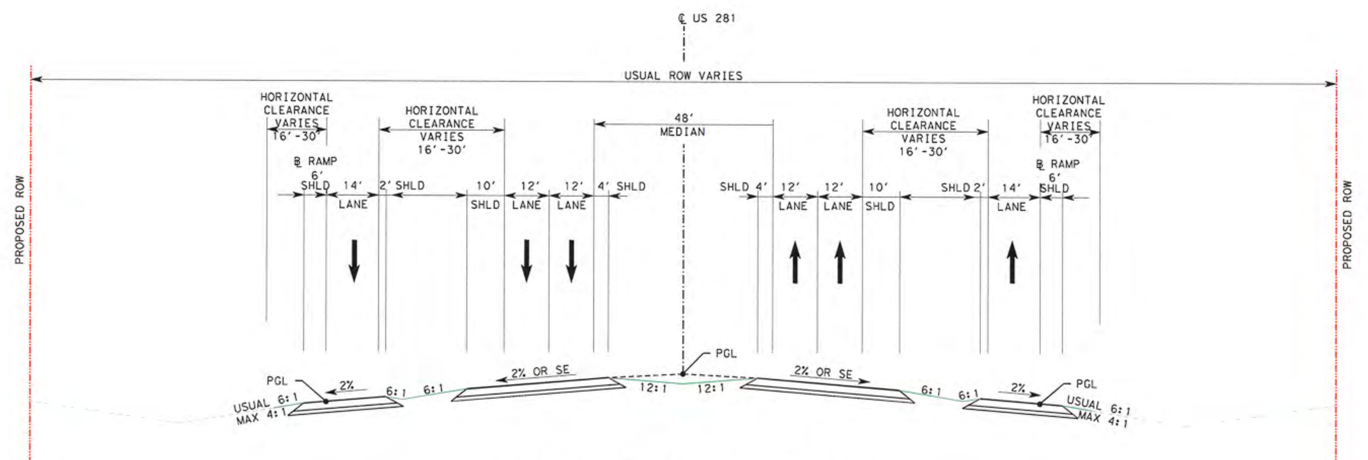
* = NOT SHOWN ON SCHEMATICS



US-281 RELIEF ROUTE AT PREMONT
EXISTING TYPICAL SECTION
SECTION A-A



US-281 RELIEF ROUTE AT PREMONT
PROPOSED TYPICAL SECTION
WITH ACCESS ROADS
SECTION E-E



US-281 RELIEF ROUTE AT PREMONT
PROPOSED TYPICAL SECTION W/
BUS. US 281 RAMP ACCESS ROAD
SECTION H-H

DATE: 11/3/2015
PLOT DRIVER: RD*Scroll*PDF.plt
PEN TABLE: PLOTORDR.TBL
FILE: R:\Trans-Design\Premont\CADD\SCH\PREMONT*SCH05.dgn

100% SUBMITTAL

SHEET 6 OF 9

Texas Department of Transportation
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CORPUS CHRISTI DISTRICT

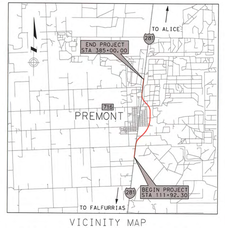
STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR:
US 281 @ PREMONT

JIM WELLS COUNTY

PROJECT LIMITS: 0.3 MI NORTH OF FM 1538
TO 1.0 MI NORTH OF CO RD 431
APPROX LENGTH OF PROJECT = 27,328 FT = 5.2 MI
CSJ NO. 0255-02-050

NOTE: FOR TYPICAL SECTIONS AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 5 OF 9.



VICINITY MAP

HORZ SCALE: 1"=100'
100 0 100

VERT SCALE: 1"=10'
10 0 10

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREWAY	70 MPH
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
RAMPS	RURAL RAMPS	60 MPH
BUS 281 RAMPS	RURAL RAMPS	50 MPH
LOCAL ROADS	RURAL LOCAL	30 MPH

AVERAGE DAILY TRAFFIC (ADT)	
MAINLANES	
2011	9,300
2041	15,300

NOTE: ALL BEARINGS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83 (CORS 1996, EPOCH 2002), SOUTH ZONE (4205), NAVD 88 (GEOID 09) AND ADJUSTED TO SURFACE USING A COMBINED SCALE FACTOR OF 1.00009. UNITS ARE US SURVEY FEET.

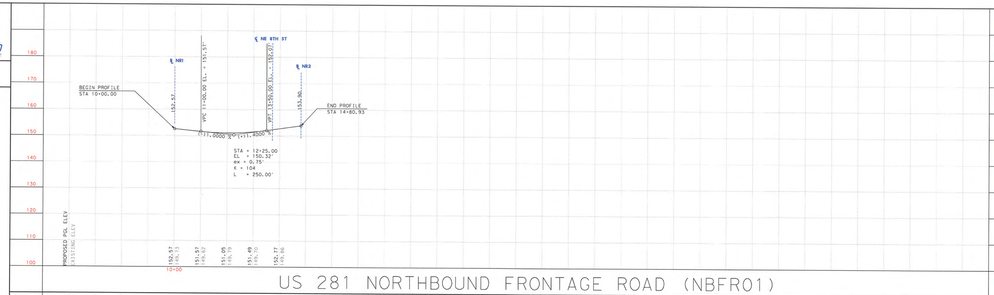
NOT A BIDDING DOCUMENT

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF FINAL SCHEMATIC DESIGN UNDER THE AUTHORITY OF STEVEN R. LINDSEY, P.E. 105283 ON OCTOBER 28, 2015. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

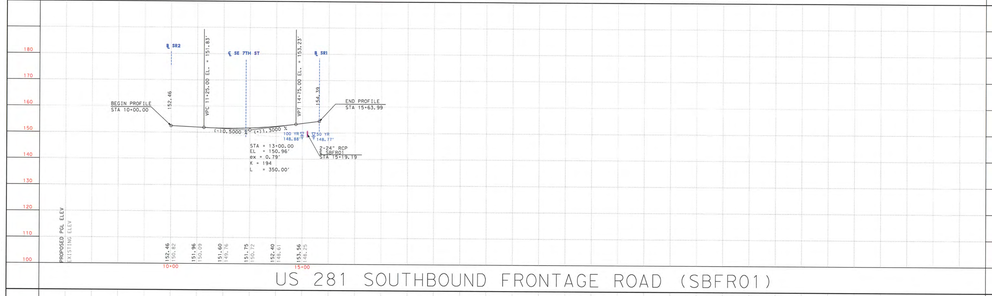
STATE OF TEXAS
STEVEN R. LINDSEY
105283
11/4/2015

DESIGNED: EG
CHECKED: JMS
DRAWN: EG
CHECKED: JMS

ATKINS NORTH AMERICA
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

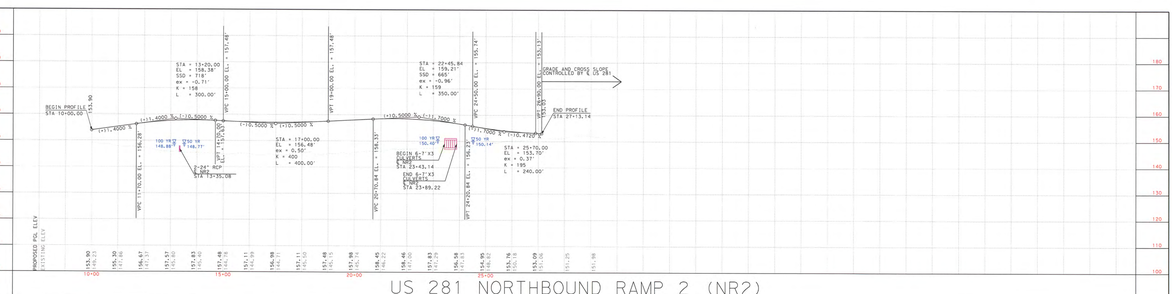


US 281 NORTHBOUND FRONTAGE ROAD (NBFR01)

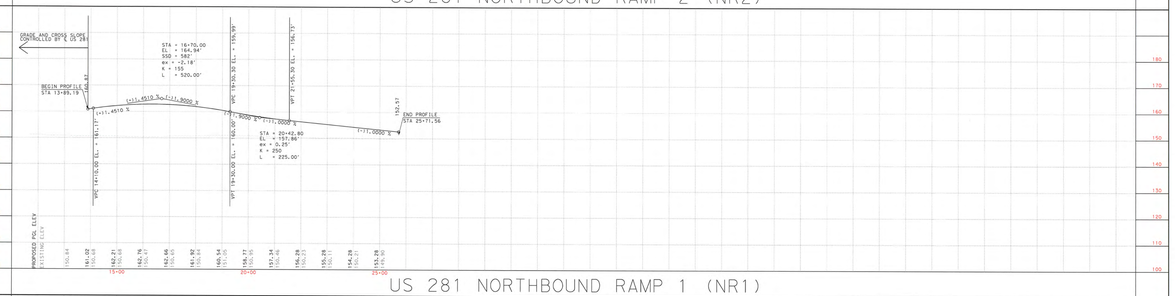


US 281 SOUTHBOUND FRONTAGE ROAD (SBFR01)

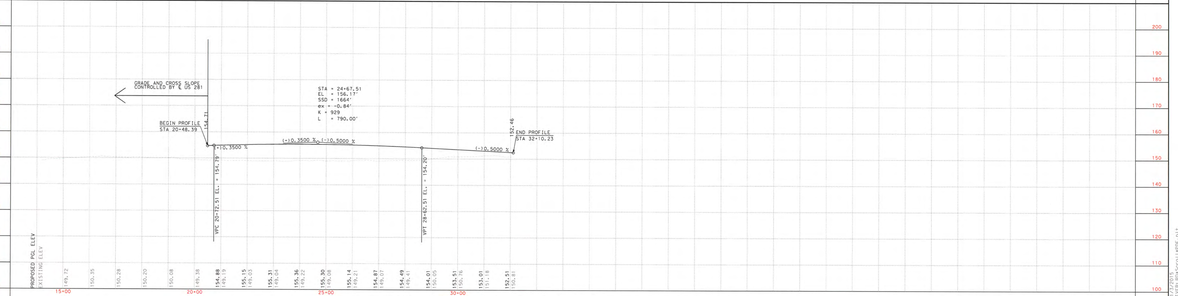
US 281 SOUTHBOUND RAMP 1 (SR1)



US 281 NORTHBOUND RAMP 2 (NR2)



US 281 NORTHBOUND RAMP 1 (NR1)



US 281 SOUTHBOUND RAMP 2 (SR2)

SHEET 6 OF 9

100% SUBMITTAL

SHEET 7 OF 9

Texas Department of Transportation

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CORPUS CHRISTI DISTRICT

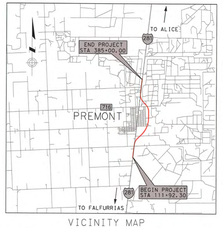
STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR:
US 281 @ PREMONT

JIM WELLS COUNTY

PROJECT LIMITS: 0.3 MI NORTH OF FM 1538
TO 1.0 MI NORTH OF CO RD 431
APPROX LENGTH OF PROJECT = 27,328 FT = 5.2 MI
CSJ NO. 0255-02-050

NOTE: FOR TYPICAL SECTIONS AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 5 OF 9.



VICINITY MAP

HORZ SCALE: 1"=100'
100 0 100

VERT SCALE: 1"=10'
10 0 10

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREEWAY	70 MPH
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
RAMPS	RURAL RAMPS	60 MPH
BUS 281 RAMPS	RURAL RAMPS	50 MPH
LOCAL ROADS	RURAL LOCAL	30 MPH

AVERAGE DAILY TRAFFIC (ADT)	
MAINLANES	
2011	9,300
2041	15,300

NOTE: ALL BEARINGS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83 (CORS 1996, EPOCH 2002), SOUTH ZONE (4205), NAVD 88 (GEOID 09) AND ADJUSTED TO SURFACE USING A COMBINED SCALE FACTOR OF 1.00009. UNITS ARE US SURVEY FEET.

NOT A BIDDING DOCUMENT

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF FINAL SCHEMATIC DESIGN UNDER THE AUTHORITY OF STEVEN R. LINDSEY, P.E. 105283 ON OCTOBER 28, 2015. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

STATE OF TEXAS
STEVEN R. LINDSEY
105283
LICENSED
PROFESSIONAL ENGINEER

11/4/2015

DESIGNED: EG
CHECKED: JMS
DRAWN: EG
CHECKED: JMS

ATKINS NORTH AMERICA
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

DATE: 11/3/2015
FILE: US281N-SPR01-NPR01.DGN
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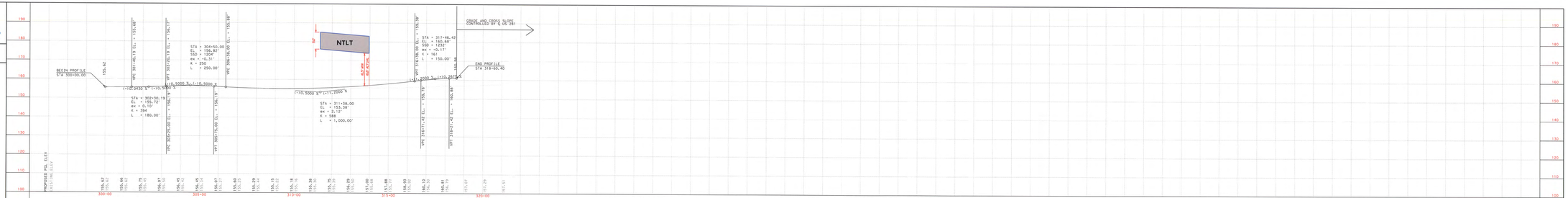
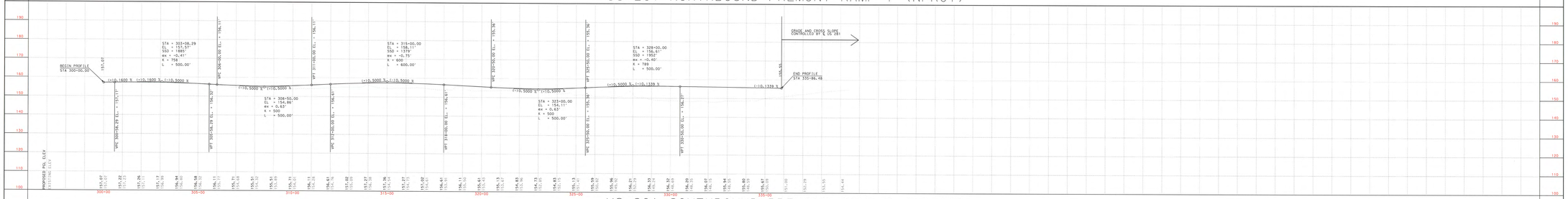
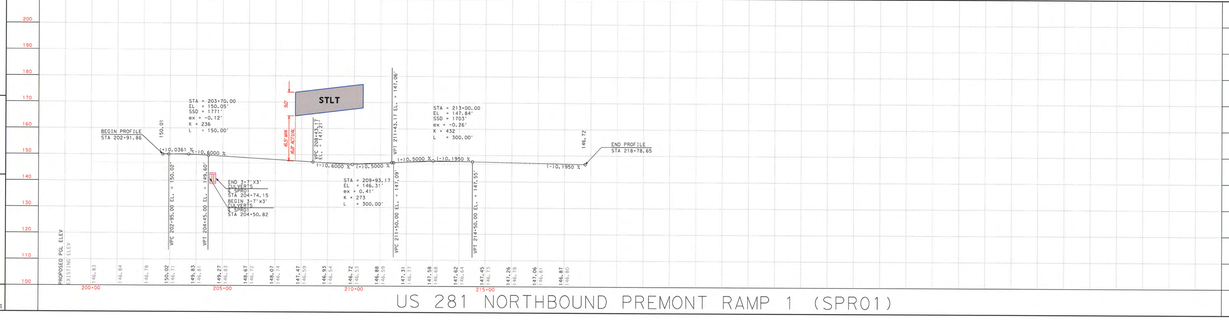


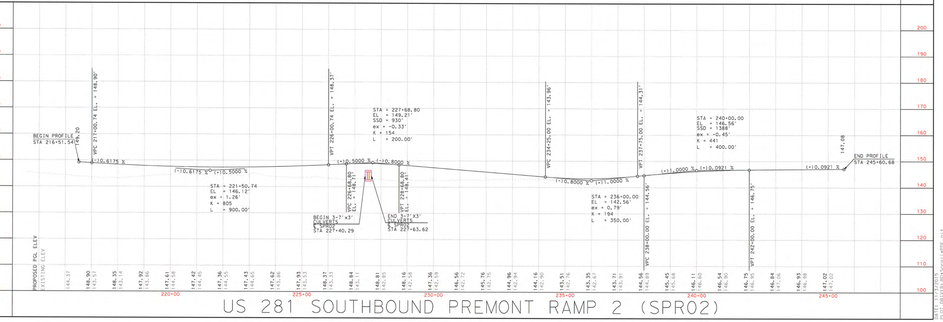
US 281 NORTHBOUND PREMONT RAMP 1 (NPR01)



US 281 SOUTHBOUND PREMONT RAMP 2 (NPR02)



US 281 NORTHBOUND PREMONT RAMP 1 (SPR01)



US 281 SOUTHBOUND PREMONT RAMP 2 (SPR02)

SHEET 7 OF 9

DATE: 11/3/2015
FILE: US281N-SPR01-NPR01.DGN
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FILE: C:\PW_WORK\pwdenver\dms25\d0255\d0255\d0255_0.DGN

100% SUBMITTAL

SHEET 8 OF 9

Texas Department of Transportation

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CORPUS CHRISTI DISTRICT

STATE OF TEXAS

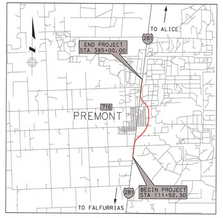
PRELIMINARY DESIGN SCHEMATIC FOR:

US 281 @ PREMONT

JIM WELLS COUNTY

PROJECT LIMITS: 0.3 MI NORTH OF FM 1538 TO 1.0 MI NORTH OF CO RD 431
APPROX LENGTH OF PROJECT = 27,508 FT = 5.2 MI
CSJ NO. 0255-02-050

NOTE: FOR TYPICAL SECTIONS AND HORIZONTAL ALIGNMENT INFORMATION PLEASE SEE SCHEMATIC SHEET 5 OF 9.



VICINITY MAP

HORZ SCALE: 1"=100' VERT SCALE: 1"=10'

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	RURAL FREEWAY	70 MPH
FRONTAGE ROADS	RURAL COLLECTOR	50 MPH
RAMPS	RURAL RAMPS	60 MPH
BUS 281 RAMPS	RURAL RAMPS	50 MPH
LOCAL ROADS	RURAL LOCAL	30 MPH

AVERAGE DAILY TRAFFIC (ADT)	
MAINLANES	
2011	9,300
2041	15,300

NOTE: ALL BEARINGS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83 (CORS 1996, EPOCH 2002), SOUTH ZONE (4205), NAVD 88 (GEOID 09) AND ADJUSTED TO SURFACE USING A COMBINED SCALE FACTOR OF 1.00009. UNITS ARE US SURVEY FEET.

NOT A BIDDING DOCUMENT

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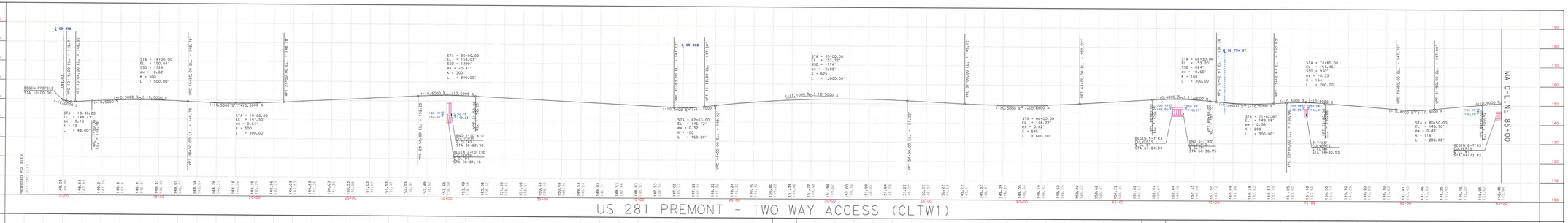
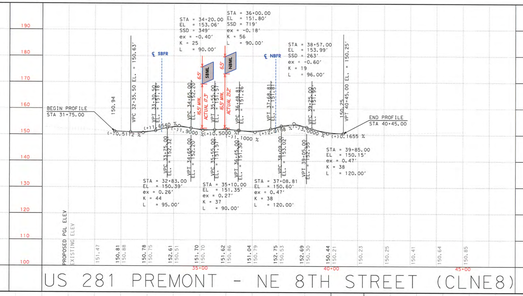
STATE OF TEXAS
STEVEN R. LINDSEY
105283
LICENSED PROFESSIONAL ENGINEER

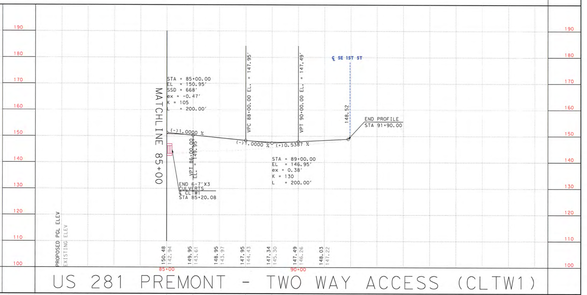
11/4/2015

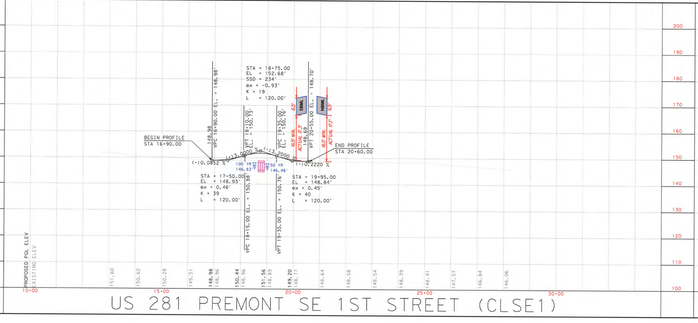
DESIGNED: EG
CHECKED: JMS
DRAWN: EG
CHECKED: JMS

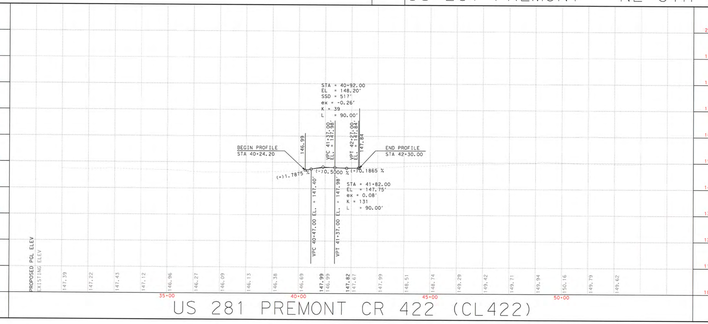
ATKINS NORTH AMERICA
6504 BRIDGE POINT PARKWAY, SUITE 200
AUSTIN, TX 78730 TBPE REG. F-474

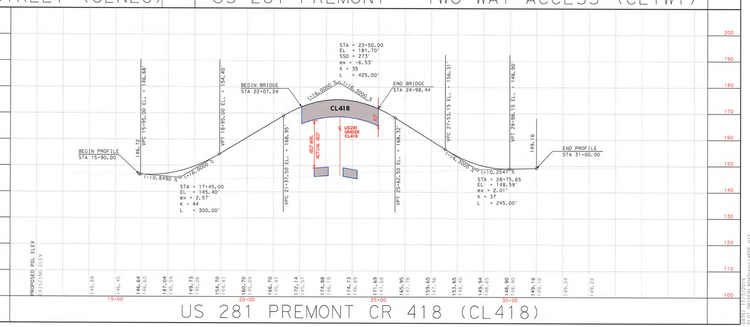












SHEET 8 OF 9

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SHEET 9 OF 9

Texas Department of Transportation

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CORPUS CHRISTI DISTRICT

STATE OF TEXAS

PRELIMINARY DESIGN SCHEMATIC
FOR:
US 281 @ PREMONT

JIM WELLS COUNTY

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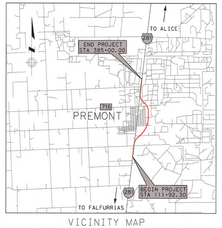

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STATE OF TEXAS
STEVEN R. LINDSEY
105283
PROFESSIONAL ENGINEER

11/4/2015

DESIGNED: EG
CHECKED: JMS
DRAWN: EG
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ATKINS ATKINS NORTH AMERICA
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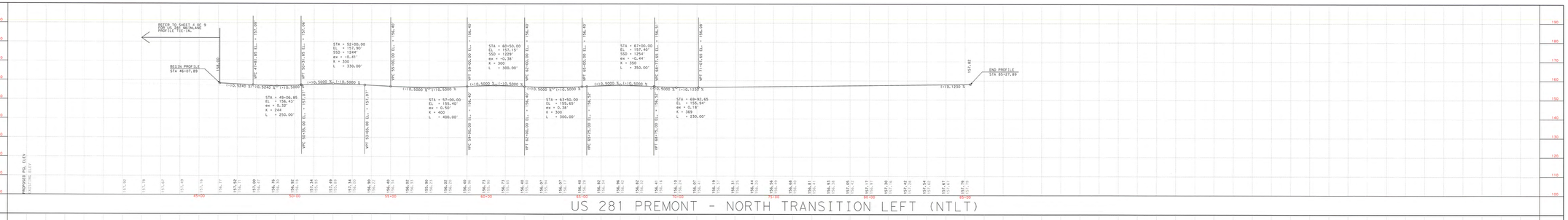

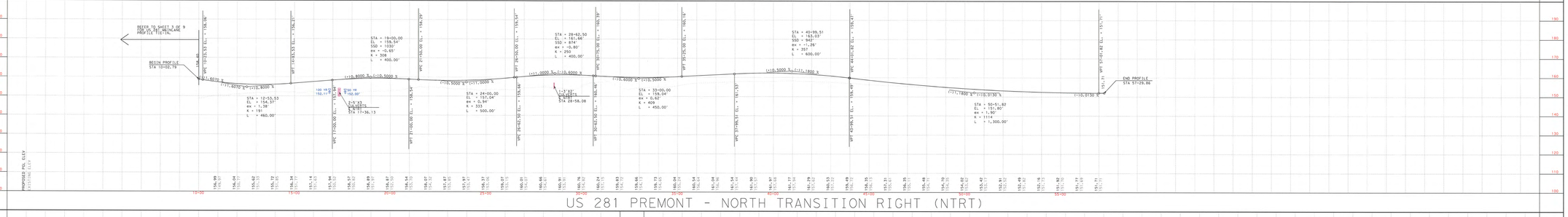

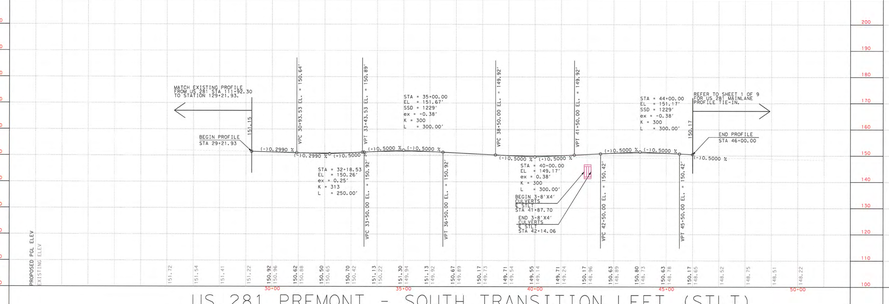

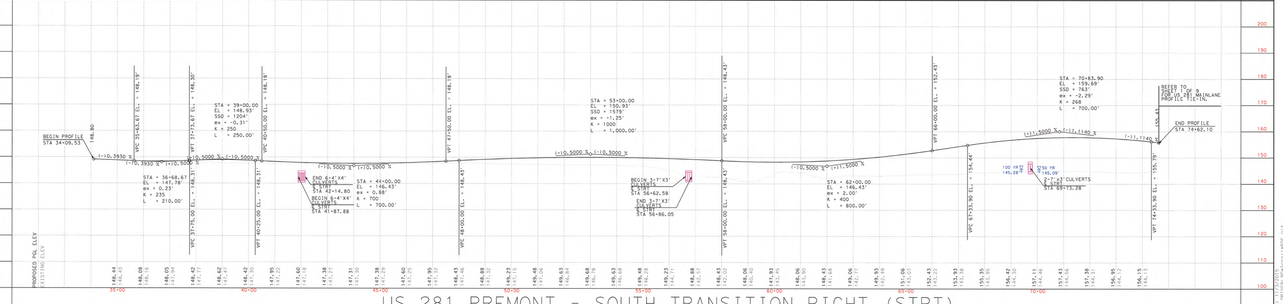

SHEET 9 OF 9