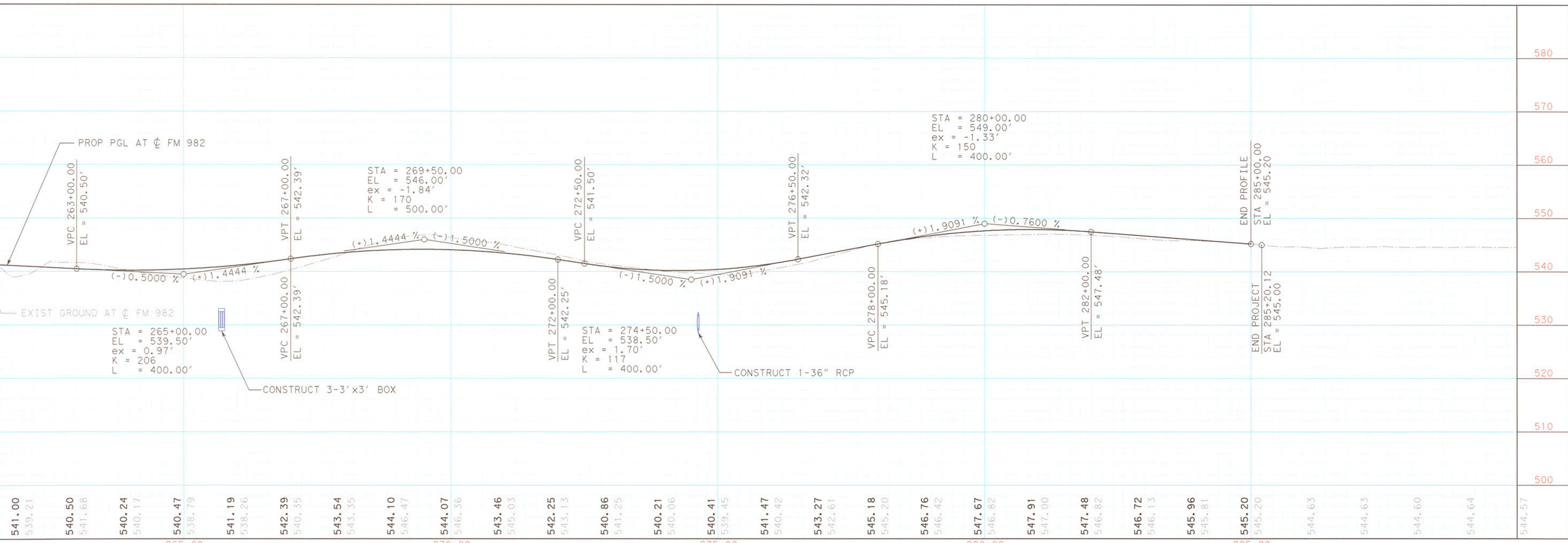
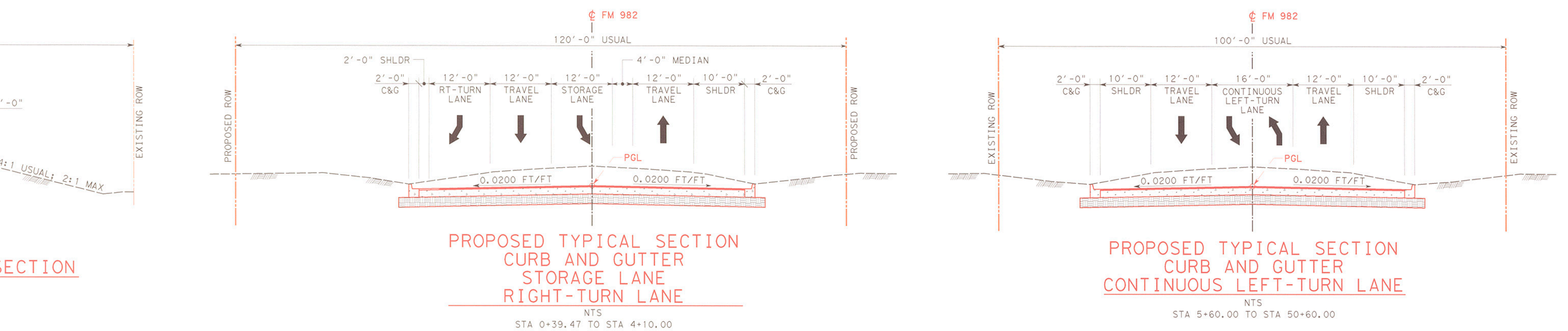
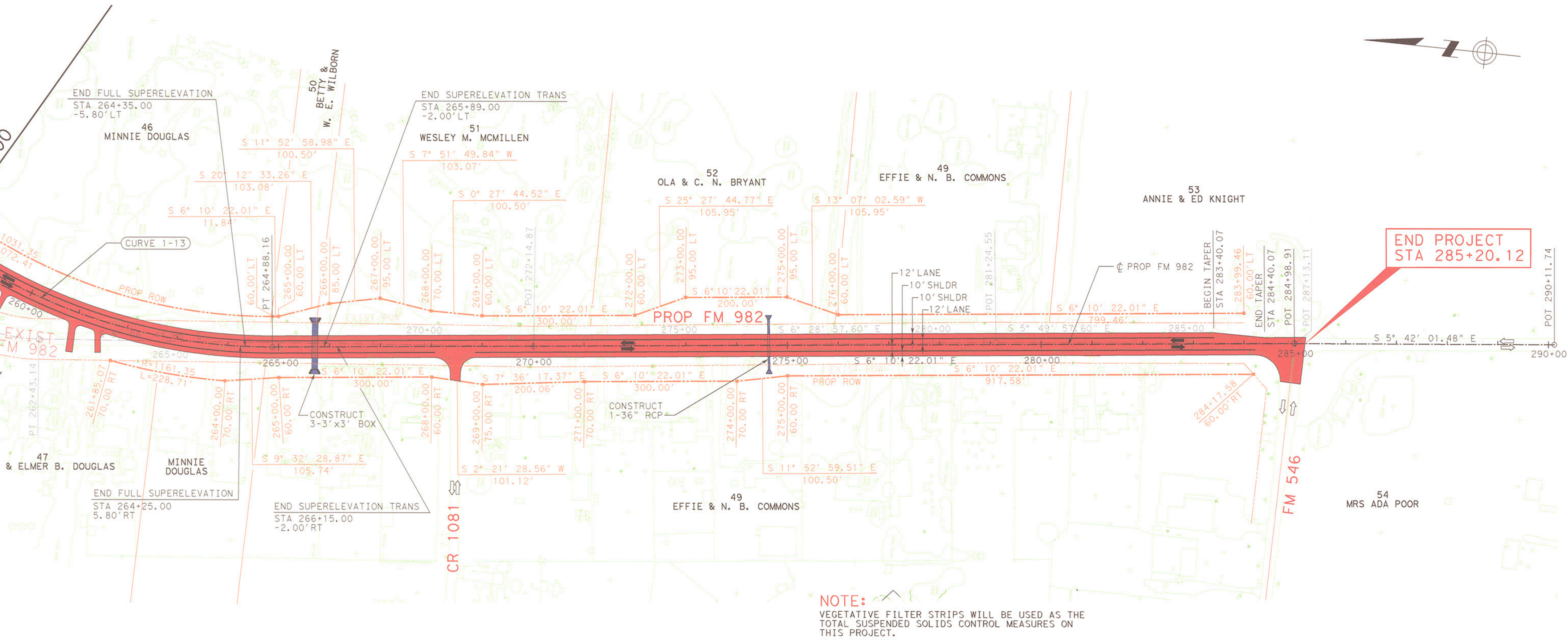




FM 982

DESCRIPTION	STATION	BEARING	NORTHING	EASTING	DEGREE	RADIUS	LENGTH	TANGENT	DELTA
POT	0+00.00		7,117,048.5610	2,581,115.8760			1,900.40		
CURVE 1-1	PC 19+00.40 PI 19+03.48 PT 20+86.52	S 1° 09' 12.52" W	7,115,148.5505 7,115,055.4767 7,114,962.7210	2,581,077.6199 2,581,075.4759 2,581,067.8332	2° 00' 00.00"	2,864.79'	186.12'	93.09'	3° 43' 20.62" RT
CURVE 1-2	PC 24+10.88 PI 25+29.43 PT 26+47.84	S 4° 52' 33.14" W	7,114,639.5290 7,114,521.4133 7,114,402.8690	2,581,040.2630 2,581,030.1870 2,581,029.9040	2° 00' 00.00"	2,864.79'	236.95'	118.54'	4° 44' 20.69" LT
POT	42+61.70	S 0° 08' 12.45" W	7,112,789.0110	2,581,026.0510			1,702.42		
CURVE 1-3	PC 59+64.11 PI 60+00.11 PT 74+45.03	S 0° 18' 11.90" W	7,111,086.6186 7,110,150.6318 7,110,126.8709	2,581,017.0390 2,581,012.0841 2,581,947.7824	5° 59' 58.41"	955.00'	1,480.92'	936.00'	88° 50' 55.19" LT
CURVE 1-4	PC 77+99.56 PI 87+45.60 PT 92+90.66	S 88° 32' 43.29" E	7,110,117.8710 7,110,093.8554 7,109,147.9444	2,582,302.1977 2,583,247.9242 2,583,232.6330	5° 59' 58.41"	955.00'	1,491.10'	946.03'	89° 27' 33.80" RT
CURVE 1-5	PC 95+64.13 PI 97+95.43 PT 100+18.00	S 0° 54' 50.51" W	7,108,874.5139 7,108,643.2401 7,108,435.9083	2,583,228.4706 2,583,224.7808 2,583,327.3224	5° 59' 58.41"	955.00'	453.87'	231.30'	27° 13' 47.93" LT
CURVE 1-6	PC 103+93.11 PI 106+72.28 PT 109+40.79	S 26° 18' 57.42" E	7,108,099.6723 7,107,849.4273 7,107,570.2976	2,583,493.6170 2,583,617.3825 2,583,612.1770	5° 00' 00.00"	1,145.92'	547.69'	279.18'	27° 23' 03.62" RT
CURVE 1-7	PC 137+30.00 PI 138+53.32 PT 139+76.61	S 1° 04' 06.20" W	7,104,781.5758 7,104,658.2730 7,104,535.1833	2,583,560.1699 2,583,557.8704 2,583,550.2677	0° 59' 59.87"	5,729.79'	246.61'	123.32'	2° 27' 57.65" RT
CURVE 1-8	PC 141+80.38 PI 143+03.70 PT 144+26.99	S 3° 32' 03.86" W	7,104,331.8024 7,104,208.7127 7,104,085.4098	2,583,537.7058 2,583,530.1031 2,583,527.8037	0° 59' 59.87"	5,729.79'	246.61'	123.32'	2° 27' 57.65" LT
CURVE 1-9	PC 147+42.99 PI 148+66.31 PT 149+89.60	S 1° 04' 06.20" W	7,103,769.4648 7,103,646.1619 7,103,522.8743	2,583,521.9116 2,583,519.6121 2,583,522.6201	0° 59' 59.87"	5,729.79'	246.61'	123.32'	2° 27' 57.65" LT
CURVE 1-10	PC 151+93.37 PI 153+16.69 PT 154+39.98	S 1° 23' 51.45" E	7,103,319.1666 7,103,195.8790 7,103,072.5761	2,583,527.5901 2,583,530.5981 2,583,528.2986	0° 59' 59.87"	5,729.79'	246.61'	123.32'	2° 27' 57.65" RT
CURVE 1-11	PC 209+99.75 PI 213+07.24 PT 216+00.57	S 1° 04' 06.20" W	7,097,513.7721 7,097,206.3370 7,096,943.0711	2,583,424.6320 2,583,418.8986 2,583,260.0265	5° 00' 00.00"	1,145.92'	600.82'	307.49'	30° 02' 28.27" RT
CURVE 1-12	PC 242+70.93 PI 244+96.73 PT 247+16.82	S 31° 06' 34.47" W	7,094,656.7626 7,094,463.4340 7,094,328.8177	2,581,880.3158 2,581,763.6484 2,581,582.3596	4° 59' 59.93"	1,145.92'	445.89'	225.80'	22° 17' 40.67" RT
CURVE 1-13	PC 253+53.36 PI 259+78.09 PT 264+88.16	S 53° 24' 15.15" W	7,093,949.3371 7,093,576.8943 7,092,955.7864	2,581,071.3101 2,580,569.7386 2,580,636.9140	5° 15' 00.00"	1,091.35'	1,134.80'	624.73'	59° 34' 37.15" LT
POT	284+98.91	S 6° 10' 22.01" E	7,090,956.6940	2,580,953.1240			512.83		
POT	290+11.74	S 5° 42' 01.48" E	7,090,446.3980	2,580,904.0620			2,010.75		
							512.83		

DESIGN SCHEMATIC

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FM 982

FROM: US 380 TO: FM 546

CSJ 0387-05-016

DALLAS DISTRICT

JAY R. NELSON, PE DISTRICT ENGINEER

COLLIN COUNTY

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KBR

Engineered by KBR Technical Services, Inc.

NOT A BIDDING DOCUMENT

JAMSHID JAHANGIRI P.E.

56390

TEXAS REGISTRATION NUMBER

02-04-2003

DATE

REVISION		
NO	DATE	DESCRIPTION

LEGEND

PROPOSED & EXISTING ALIGNMENT

OLD ALIGNMENT

EXISTING LANE DIRECTIONAL INDICATOR

PROPOSED LANE DIRECTIONAL INDICATOR

PROPOSED PAVEMENT

EXISTING PAVEMENT & STRUCTURES

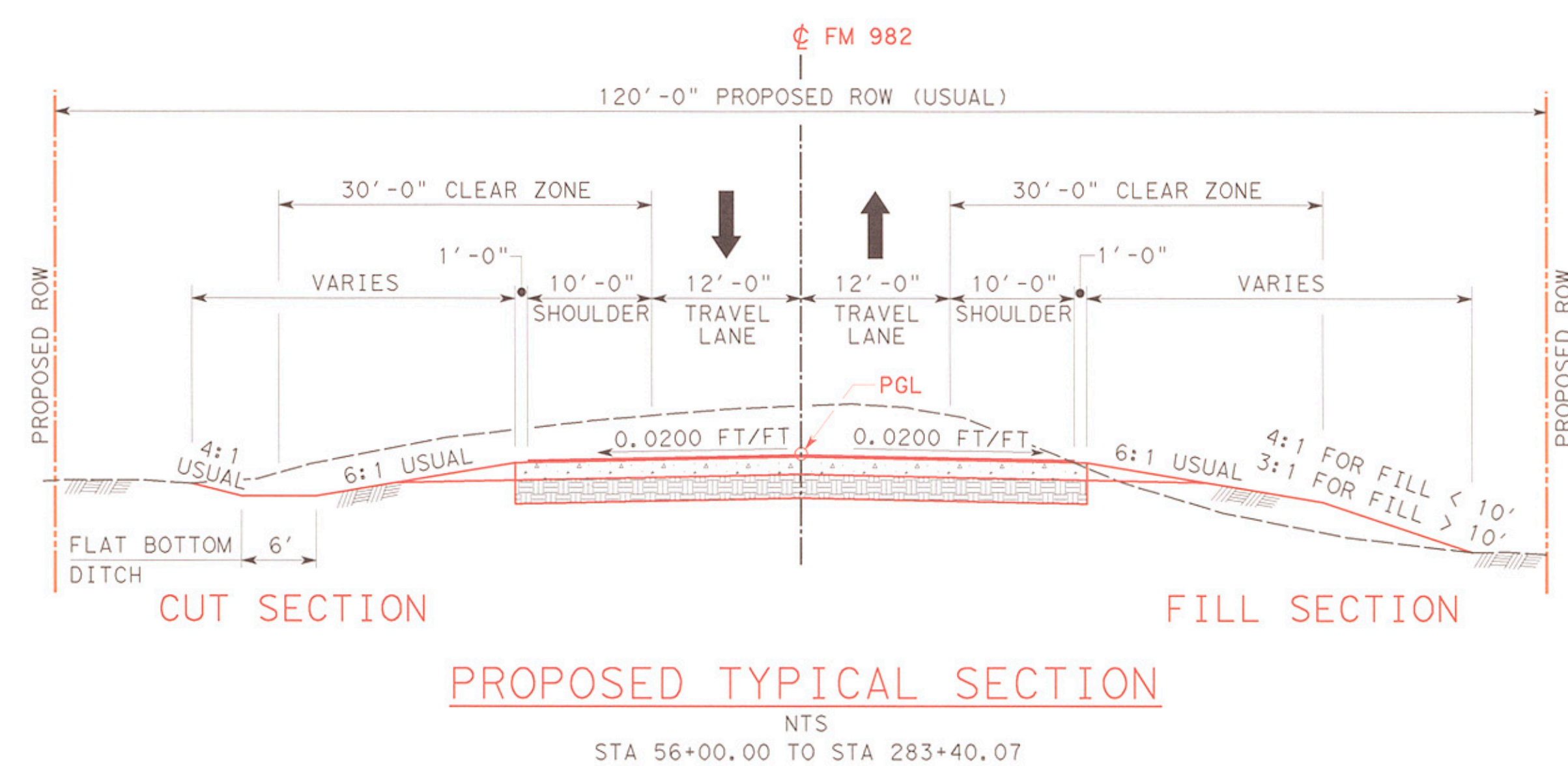
DRAINAGE STRUCTURES

PROPOSED ROW

EXISTING ROW

0 100 200 300 400

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



DESIGN ELEMENTS		PROPOSED
FUNCTIONAL CLASSIFICATION	MAJOR CONNECTOR	
DESIGN SPEED	50 MPH	
MINIMUM CENTERLINE CURVE RADIUS	1055 FT	
MINIMUM GRADE	8%	
MINIMUM GRADE	0.5%	
K (SAO)	96	
K (CREST)	84	
TRAVEL LANES NUMBER/WIDTH	2 - 12'	
HORIZONTAL CLEARANCE	30'	
PAVEMENT CROSS SLOPE	2.00%	
SHOULDER WIDTH	10' - MAINLANE 2' - AC & DC LANES	
MAXIMUM SUPERELEVATION RATE	6.00%	