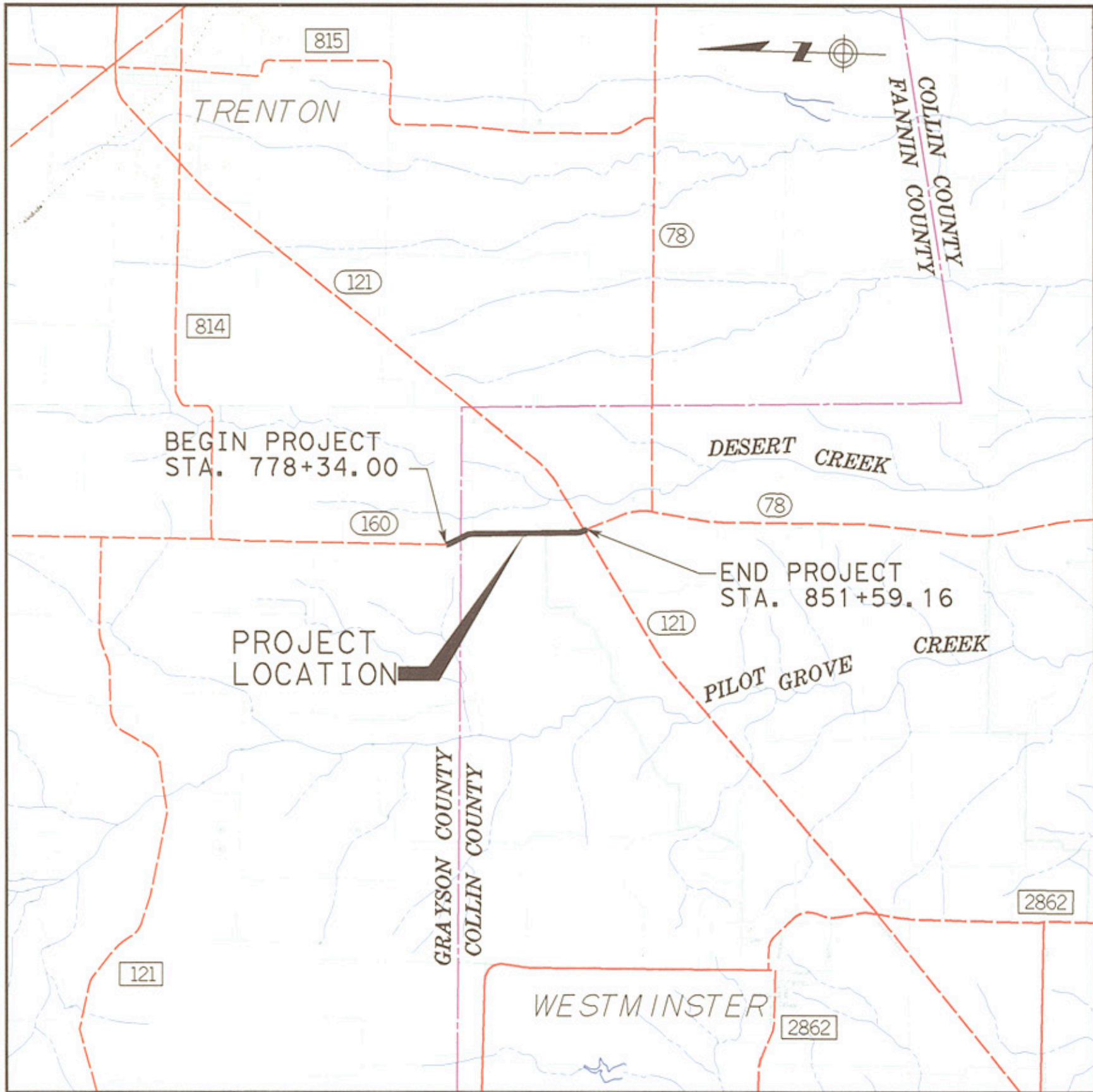




VICINITY MAP
NTS

DESIGN SCHEMATIC

© 2003 SH 160
FROM: 0.3 MI NORTH
OF CR 534
TO: SH 121

DALLAS DISTRICT CSJ 0410-03-014
JAY R. NELSON, PE
DISTRICT ENGINEER

KBR
Engineered by KBR Technical Services, Inc.

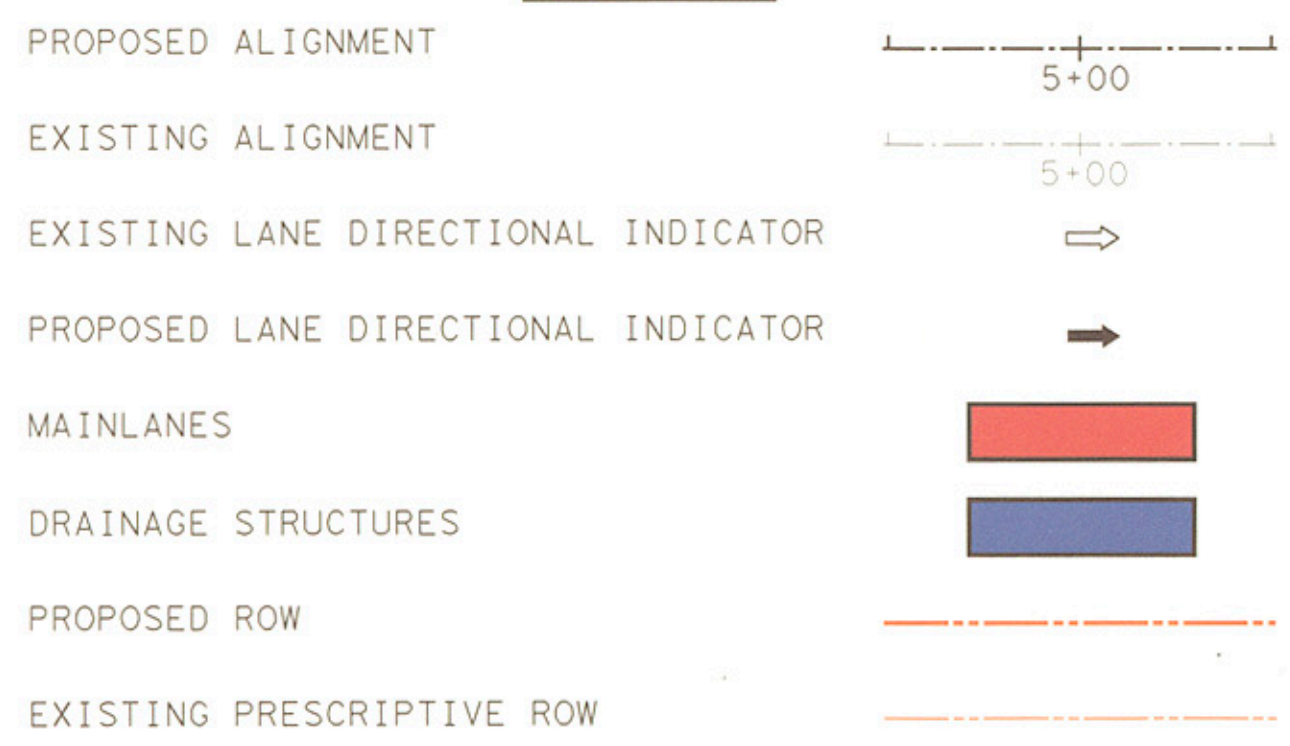
NOT A BIDDING DOCUMENT

JAMSHID JAHANGIRI, P.E.
56390
TEXAS REGISTRATION NUMBER
12-31-2002
DATE

REVISION			
NO.	DATE	DESCRIPTION	APPROVAL DATE

SH 160 0.3 MI NORTH OF CR 534 TO SH 121 GEOMETRIC DESIGN CRITERIA		
DESIGN ELEMENTS	PROPOSED (SH 160)	PROPOSED (SH 121)
FUNCTIONAL CLASSIFICATION	RURAL MAJOR COLLECTOR	RURAL MAJOR COLLECTOR
DESIGN SPEED	60 MPH	60 MPH
MINIMUM CENTERLINE CURVE RADIUS	2210 FT	2735 FT
MAXIMUM GRADE	5%	5%
MINIMUM GRADE	0.5%	0.5%
K (SAG)	136	157
K (CREST)	151	193
TRAVEL LANES NUMBER/WIDTH	2 - 12'	2 - 12'
HORIZONTAL CLEARANCE	30'	30'
PAVEMENT CROSS SLOPE	2.00%	2.00%
SHOULDER WIDTH	10' - MAINLANE 2' - AC & DC LANES	10' - MAINLANE 2' - AC & DC LANES
MAXIMUM SUPERELEVATION RATE	6.00%	6.00%

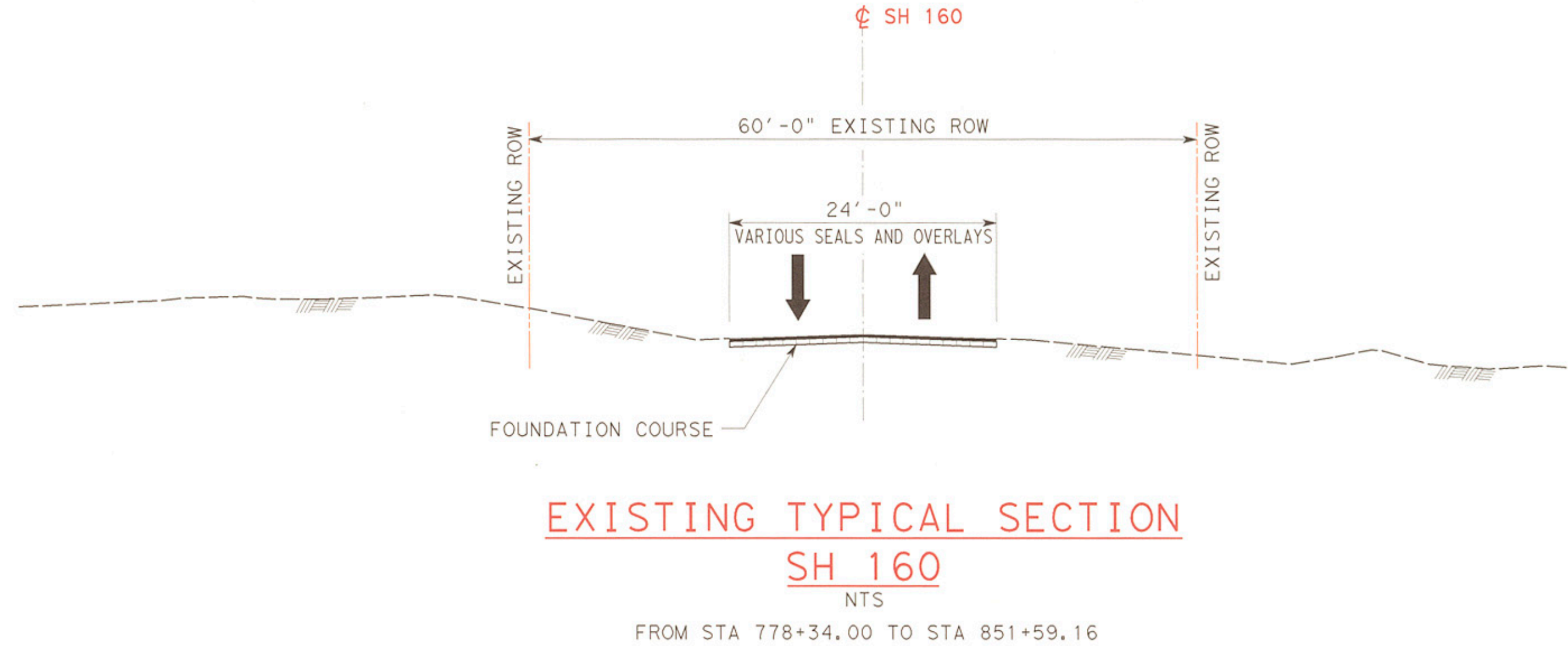
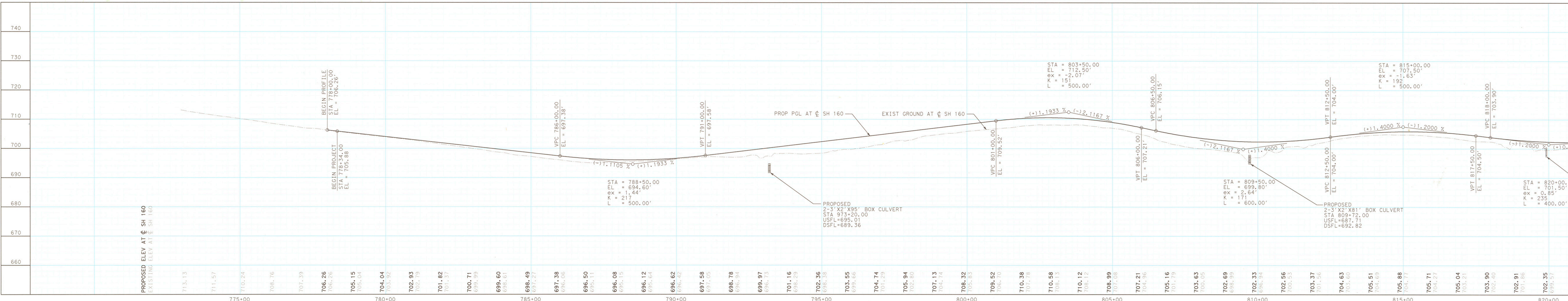
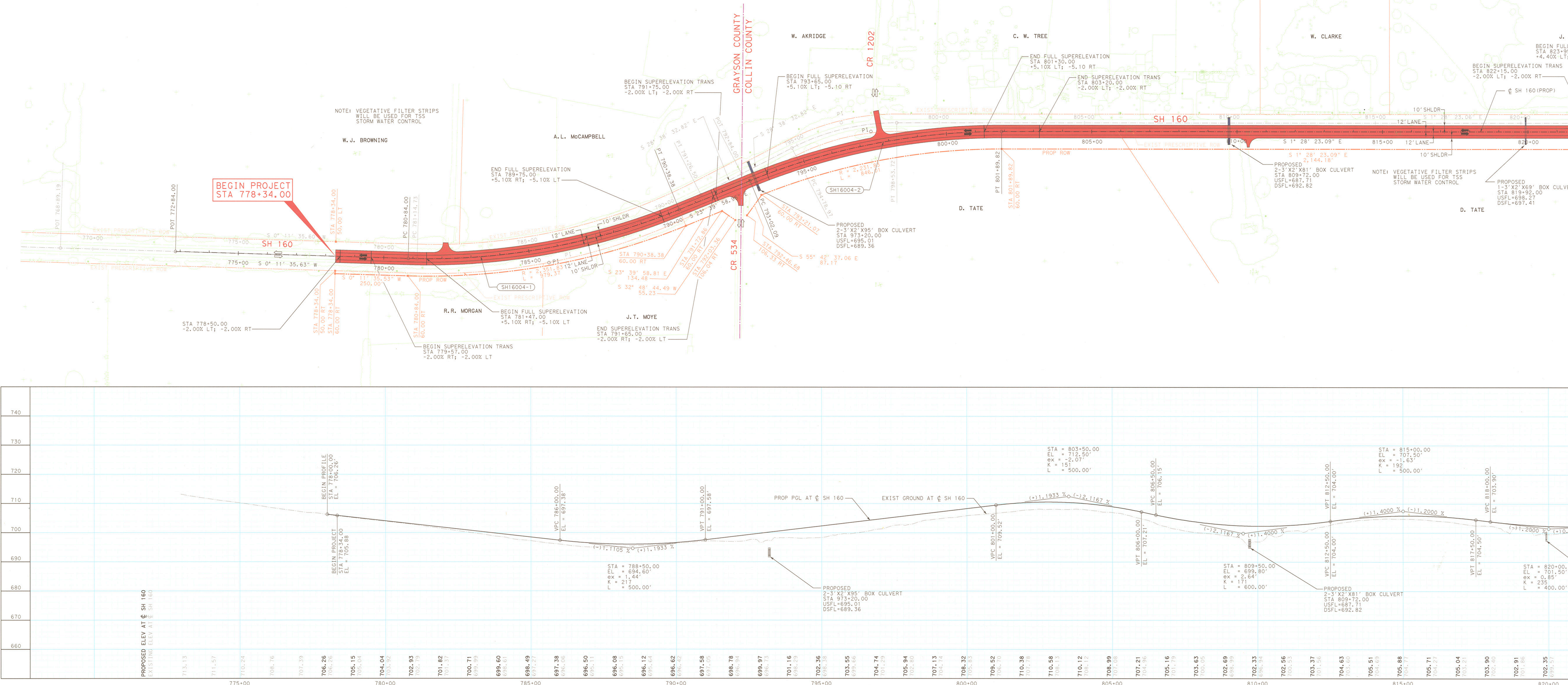
LEGEND



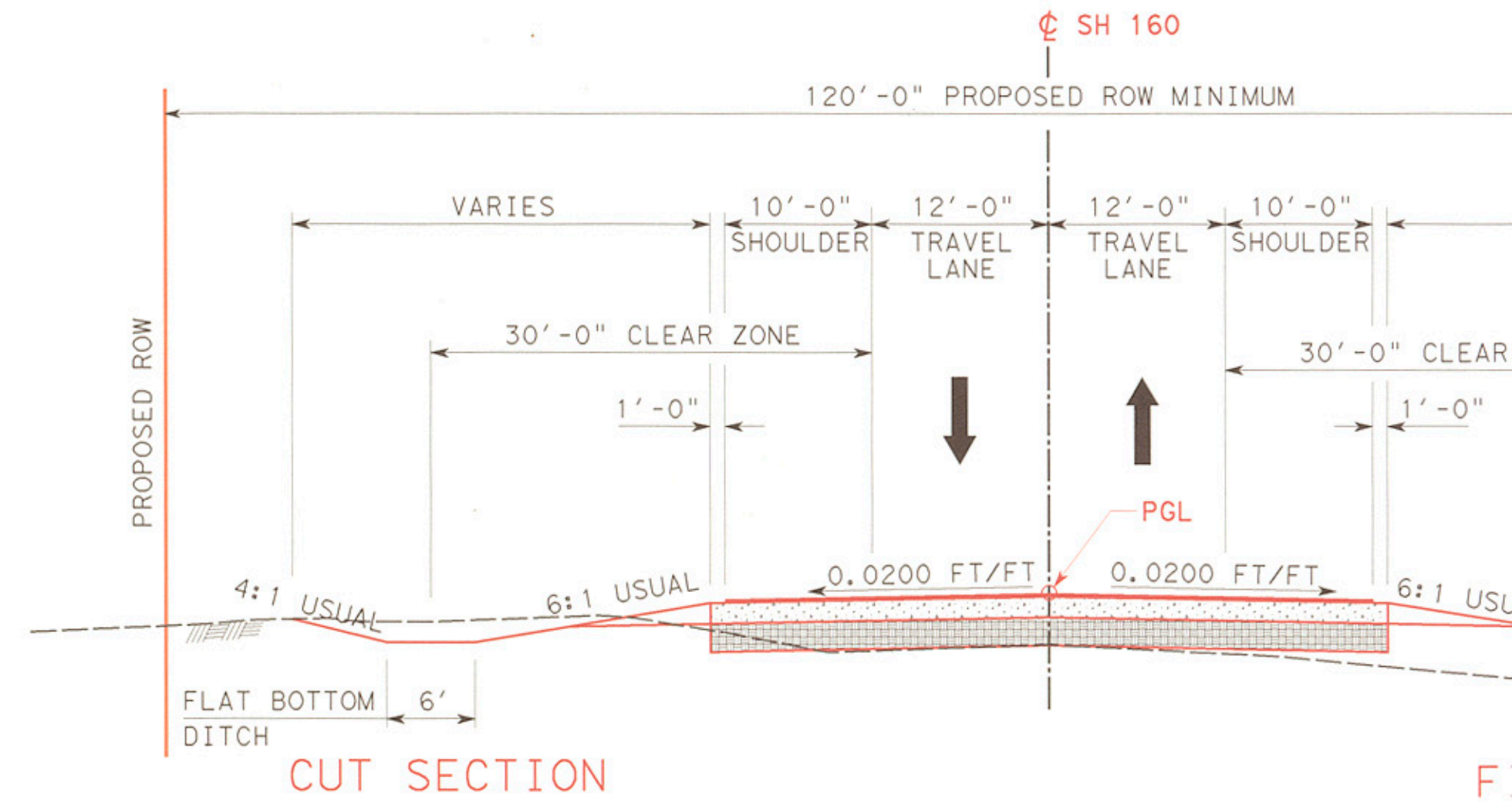
SCALE: 1" = 100' HORIZ
1" = 10' VERT

SH 160

DESCRIPTION	STATION	BEARING	NORTHING	EASTING	DEGREE	RADIUS	LENGTH	TANGENT	DELTA
POT	772+84.00	S 0° 11' 35.63" W	7,200,989.1910	2,608,703.2610					
PC	780+84.00		7,200,189.1970	2,608,700.5630			800.00		
PI	785+68.21		7,199,704.9900	2,608,698.9300	2° 30' 00.00"	2,291.83'	954.38'	484.21'	23° 51' 34.58" LT
PT	790+38.38		7,199,261.5031	2,608,693.2968					
PC	793+02.09	S 23° 39' 58.95" E	7,199,019.9767	2,608,999.1505					
PI	797+51.59		7,198,608.2803	2,609,179.5845	2° 30' 00.00"	2,291.83'	887.73'	449.50'	22° 11' 35.86" RT
PT	801+89.82		7,198,158.9287	2,609,191.1399					
PC	823+34.00	S 1° 28' 23.09" E	7,196,015.4569	2,609,246.2610					
PI	825+00.93		7,195,848.5787	2,609,250.5524	2° 00' 00.00"	2,864.79'	333.49'	166.93'	6° 40' 11.26" RT
PT	826+67.49		7,195,682.3314	2,609,235.4323					
PC	831+80.53	S 5° 11' 48.17" W	7,195,171.4029	2,609,188.9637					
PI	837+61.99		7,194,592.3290	2,609,136.2973	2° 30' 00.00"	2,291.83'	1,138.90'	581.46'	28° 28' 20.73" LT
PT	843+19.42	S 23° 16' 32.56" E	7,194,058.1881	2,609,366.0664					
POT	862+00.00		7,192,330.6640	2,610,109.1880			1,880.58		



EXISTING TYPICAL SECTION
SH 160
NTS
FROM STA 778+34.00 TO STA 851+59.16



PROPOSED TYPICAL SECTION
SH 160
NTS
FROM STA 778+34.00 TO STA 851+59.16