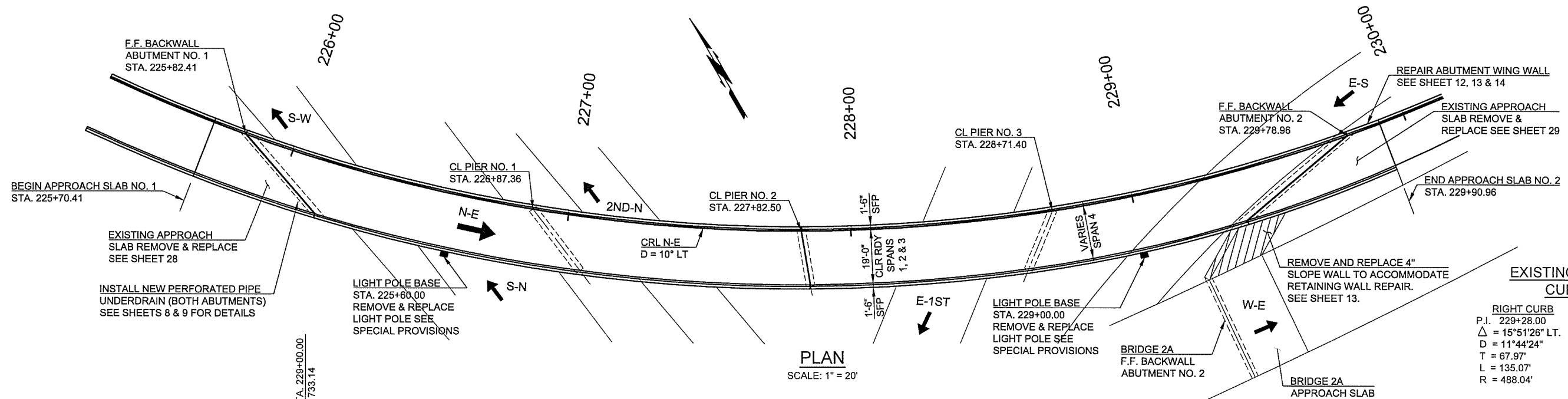
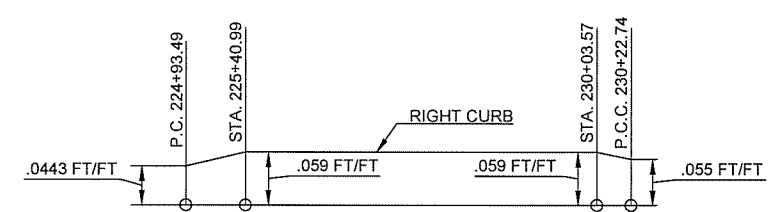
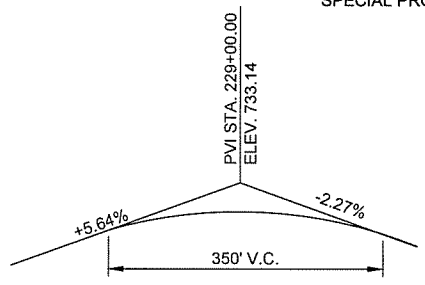


DESCRIPTION	REVISIONS	DATE



**EXISTING HORIZONTAL CURVE DATA**

RIGHT CURB	C.R.L.
P.I. 229+28.00	P.I. 227+78.69
$\Delta = 15^{\circ}51'26''$ LT.	$\Delta = 52^{\circ}55'30''$ LT.
D = 11'44'24"	D = 10'00'00"
T = 67.97'	T = 285.20'
L = 135.07'	L = 529.25'
R = 488.04'	R = 572.96'
	V = 40 M.P.H
	S = 0.059 FT/FT.

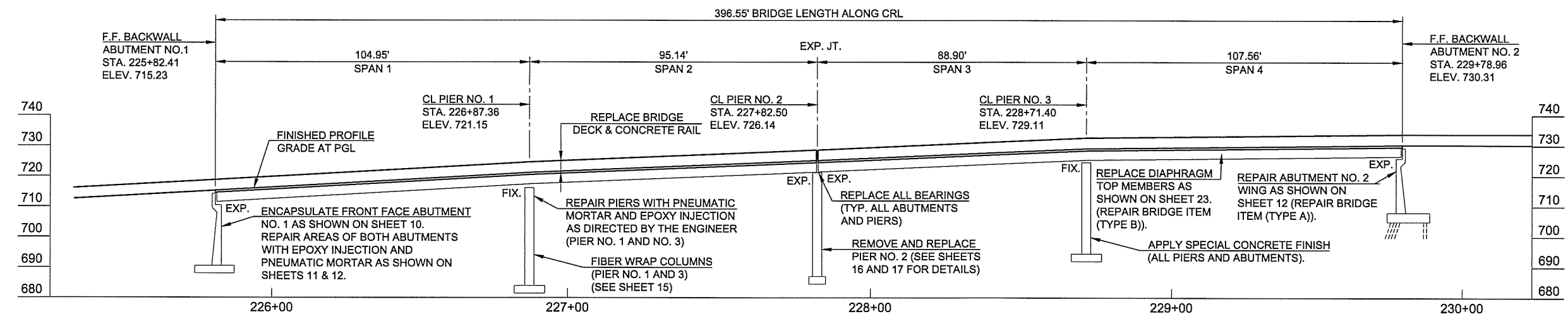


**REHABILITATION DESIGN DATA**

AASHTO SEVENTEENTH EDITION  
 STRENGTH DESIGN METHOD (LOAD FACTOR DESIGN)  
 CONCRETE CLASS "A" F<sub>c</sub> = 3,000 P.S.I  
 CONCRETE CLASS "AA" F<sub>c</sub> = 4,000 P.S.I  
 STRUCTURAL STEEL M270 (GRADE 50W) F<sub>y</sub> = 50,000 P.S.I  
 REINFORCING STEEL (GRADE 60) F<sub>y</sub> = 60,000 P.S.I  
 LOADING: HS20-44 PLUS 20 PSF FUTURE WEARING SURFACE

**ORIGINAL DESIGN DATA (FOR INFORMATION ONLY)**

SERVICE LOAD DESIGN (ALLOWABLE STRESS DESIGN)  
 LOADING: H20-44 WITH 20 PSF FOR FUTURE WEARING SURFACE & PPM 20-4  
 CLASS "A" CONCRETE: 1,000 P.S.I  
 CLASS "AA" (AE) CONCRETE: 1,200 P.S.I  
 STRUCTURAL STEEL: 20,000 P.S.I  
 REINFORCING STEEL: 20,000 P.S.I  
 MAX. FOUNDATION PRESSURE  
 ABUTMENT NO. 1 3.2 TONS/S.F.  
 ABUTMENT NO. 2 37 TONS/PILE  
 PIERS 7.2 TONS/S.F.



**ELEVATION**  
SCALE: 1" = 20'

**NOTE:**  
 STATIONS, VERTICAL AND HORIZONTAL CURVE DATA, ELEVATIONS SUPERELEVATION DATA AND DIMENSIONS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE TAKEN FROM EXISTING PLANS, PROJECT NO. I-244-2(115)096.

**EXISTING BRIDGE DESCRIPTION**  
 396.6' LONG CURVED FOUR SPAN STRUCTURE. CONSISTING OF 3 STEEL GIRDERS, (SPANS 104.95'-95.14'-88.90'-107.56') WITH VARYING SKEW HAVING A CLEAR ROADWAY WIDTH OF 19'-0".

DESIGN	JSH	12/13	OKLAHOMA DEPARTMENT OF TRANSPORTATION	
DRAWN	MRM	12/13	BRIDGE A	TULSA COUNTY
CHECKED	JWB	3/16	<b>BRIDGE PLAN AND ELEVATION</b>	
APPROVED				
SQUAD	TT			
			STATE JOB NO. 28880(04)	SHEET NO. 7

3/21/2016 9:44:04 AM - M:\TETRA TECH\11399 ODOT\EC 1414\TASK ORDER 3\CAD\SHSHEETFILES\07 - P&E BRIDGE.DWG - MARQUART, MATT