

REVISIONS		
REV. NO.	DESCRIPTION	DATE

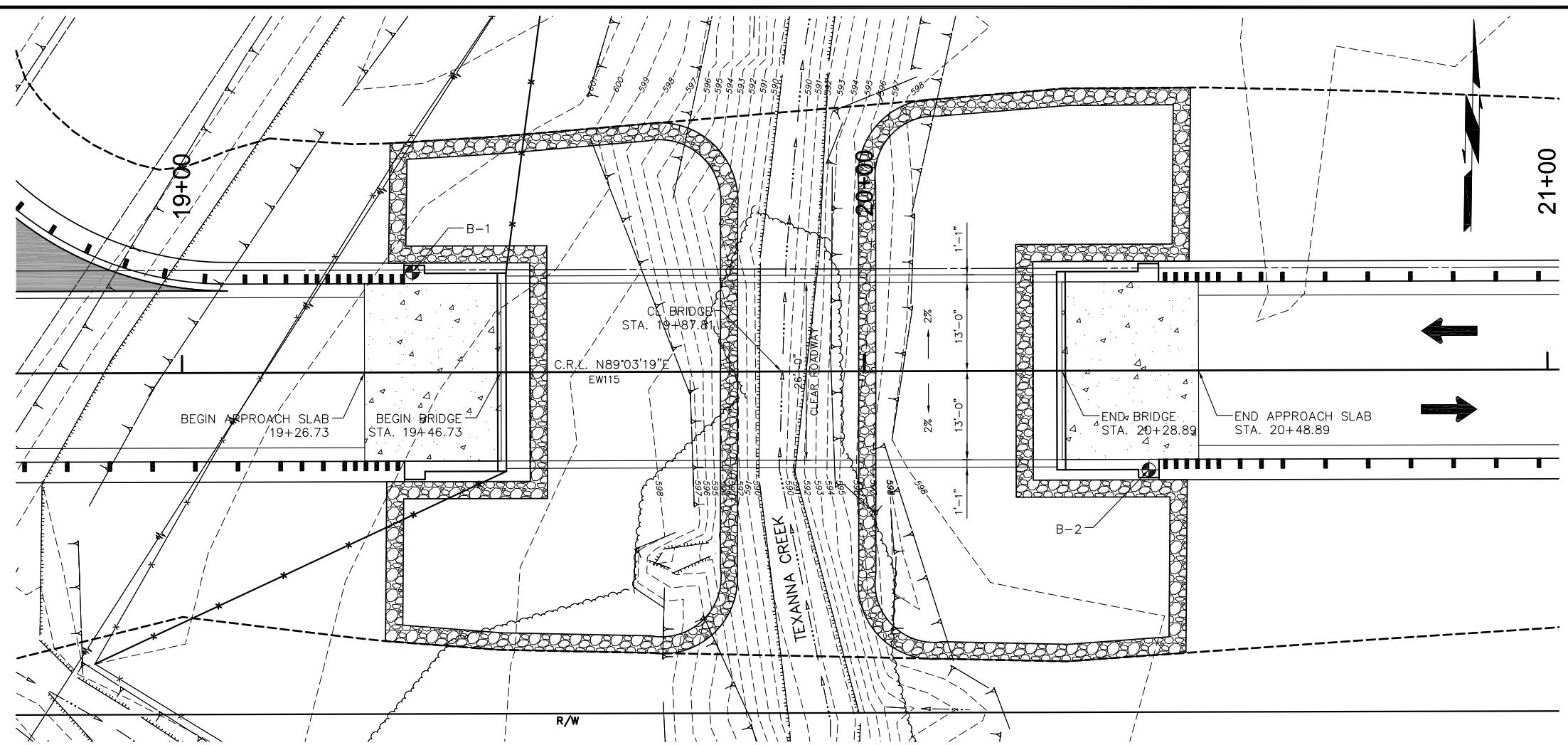
**DESIGN DATA**

**MATERIALS:**  
 CONCRETE CLASS AA  $f'_c = 4$  K.S.I.  
 CONCRETE CLASS A  $f'_c = 3$  K.S.I.  
 REINFORCED STEEL, AASHTO M31(GRADE 60)  $f_y = 60$  K.S.I.  
 STRUCTURAL STEEL, AASHTO M270(GRADE 50W)  $F_y = 50$  K.S.I.

**LOADING:**  
 HL-93  
 20 PSF FUTURE WEARING SURFACE  
 5 PSF STAY-IN-PLACE FORMS

**DESIGN:**  
 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION WITH 2010 INTERIMS, EXCEPT AS MODIFIED BY CURRENT ODOT BRIDGE DIVISION DESIGN POLICIES.  
 ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE

LFD OPERATING RATE: HS 43.8

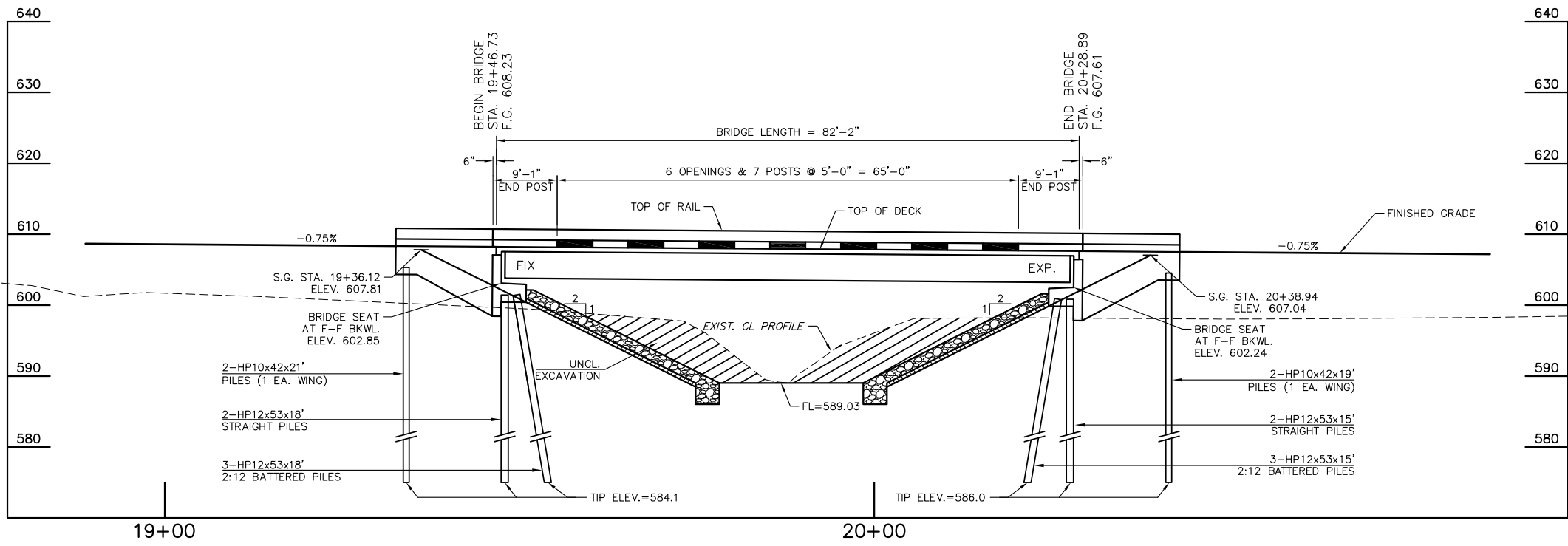


B.M. #1 - SET NAIL ON E FACE 28IN OAK  
 STA. 17+02.27, 9.05' LT.  
 ELEV. 612.38

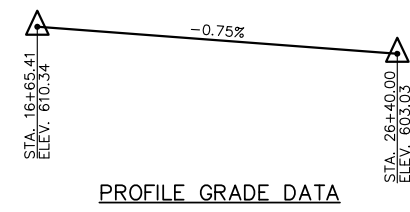
**PLAN**  
 SCALE 1"=10'

B.M. #2 - SET NAIL IN NW FACE 8IN POST  
 STA. 23+65.51, 137.35' RT.  
 ELEV. 606.02

HYDRAULIC DATA - BRIDGE 'A'			
DRAINAGE AREA	= 1.79		
CONTROLLED DRAINAGE AREA	= 0.00 SQ. MI.		
EFFECTIVE DRAINAGE AREA	= 1.79 SQ. MI.		
Q2	= 415 CFS	Q25	= 1700 CFS
V2	= 1.94 FPS	V25	= 3.56 FPS
Q2 CHW	= 595.44 FT.	Q25 CHW	= 599.44 FT.
Q5	= 786 CFS	Q50	= 2080 CFS
V5	= 2.51 FPS	V50	= 3.92 FPS
Q5 CHW	= 597.17 FT.	Q50 CHW	= 599.96 FT.
Q10	= 1130 CFS	Q100	= 2560 CFS
V10	= 2.94 FPS	V100	= 4.19 FPS
Q10 CHW	= 598.30 FT.	Q100 CHW	= 600.64 FT.
RDW OT	= 3800 YR	QOT=Q4500	= 14308 CFS
CHW OT	= 609.88 FT.	VOT	= 19.87 FPS



**ELEVATION**  
 SCALE 1"=10'



**PROFILE GRADE DATA**

EW115 OVER TEXANNA CREEK MCINTOSH CO.

DESIGN		<b>OKLAHOMA DEPARTMENT OF TRANSPORTATION</b>  <b>GENERAL PLAN &amp; ELEVATION</b> <b>80' TYPE III PC BEAM BRIDGE, 26' CLR.</b> <b>RDY. WITH TR3, CL STA. 19+87.81</b> STATE JOB NO. 29374(04) SHEET NO. B001
DRAWN	GLH	
CHECKED	GCS	
APPROVED		
SQUAD	KCS	

N:\A\34-CED2-1 - MCINTOSH-BR062\DRAWINGS\A\34-GPE.DWG 8/11/2017