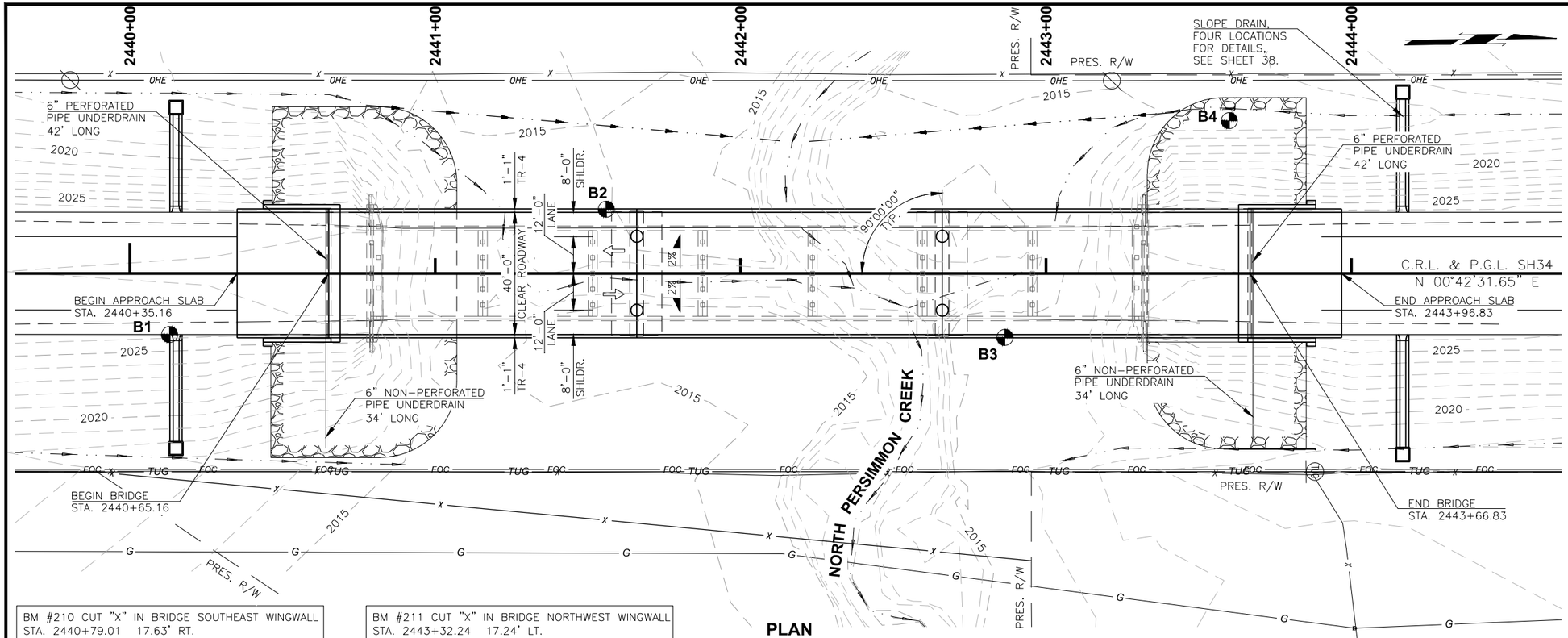
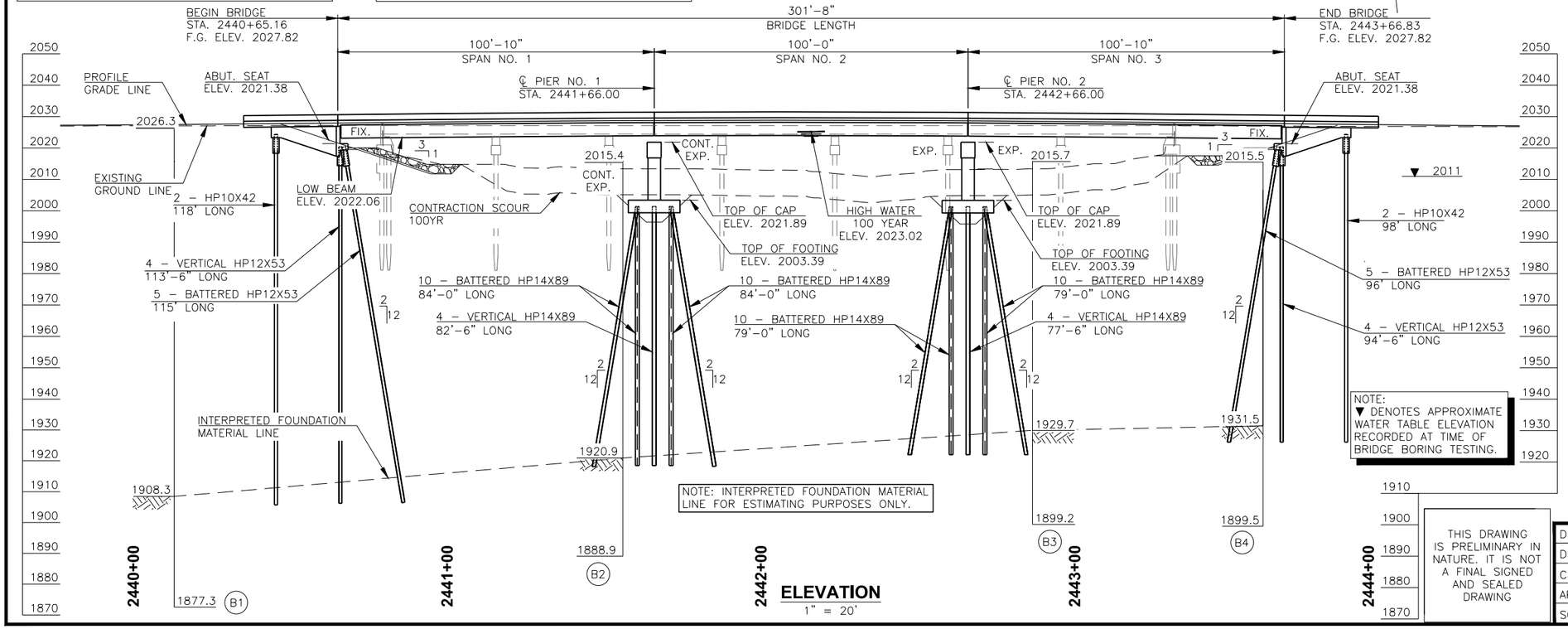


PLAN
1" = 20'



ELEVATION
1" = 20'

CEC // TRANSPORTATION

DESCRIPTION	REVISIONS	DATE

DESIGN DATA

CONCRETE CLASS A	f'c = 3 K.S.I.
CONCRETE CLASS AA	f'c = 4 K.S.I.
REINFORCING STEEL (GRADE 60)	fy = 60 K.S.I.
STRUCTURAL STEEL M 270 (GRADE 50W)	Fy = 50 K.S.I.
STAINLESS STEEL A240 (TYPE 316)	Fy = 30 K.S.I.

LOADING:
HL–93 OR OKLAHOMA OVERLOAD TRUCK
20 P.S.F. FUTURE WEARING SURFACE
5 P.S.F. STAY–IN–PLACE FORMS

DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION.
ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE
ANSI/AASHTO/AWS D1.6 STRUCTURAL WELDING CODE – STAINLESS STEEL.

LFD OPERATING RATING: HS 50.2

STANDARDS

B40–C–ABUT–MISC–01E
B40–C–AS–03E
TR4–2–00E
EJ–SQ–03E
EJ–DTL–01E
HP1–2–00E
LECS–4–1
PUD–3–2

HYDRAULIC DATA

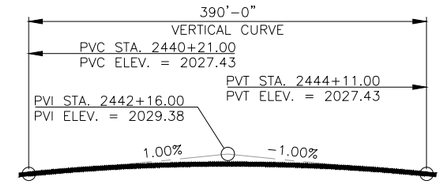
TOTAL DRAINAGE AREA = 59.51 SQ. MI.
CONTROLLED DRAINAGE AREA = 0 SQ. MI.
EFFECTIVE DRAINAGE AREA = 59.51 SQ. MI.

Q2 =	1,180	CFS	Q5 =	2,820	CFS
CHW2 =	2017.23	FT	CHW5 =	2018.46	FT
V2 =	3.34	FPS	V5 =	4.71	FPS
Q10 =	4,550	CFS	Q25 =	7,510	CFS
CHW10 =	2019.45	FT	CHW25 =	2020.82	FT
V10 =	5.78	FPS	V25 =	7.30	FPS
Q50 =	10,300	CFS	Q100 =	13,200	CFS
CHW50 =	2021.96	FT	CHW100 =	2023.02	FT
V50 =	8.60	FPS	V100 =	9.79	FPS
Q500 =	22,700	CFS			
CHW500 =	2026.71	FT			
V500 =	10.93	FPS			

SCOUR (100YR)		SCOUR (500YR)	
CONTRACTION =	9.05'	CONTRACTION =	21.40'
PIER =	9.30'	PIER =	7.84'
TOTAL =	18.35'	TOTAL =	29.24'

QOT = 424

NOTE:
FOR FOUNDATION DATA, SUMMARY OF BRIDGE PAY QUANTITIES, AND SHEET INDEX, SEE SHEET 21.



PROFILE DATA
C.R.L. & P.G.L. SH34

THIS DRAWING IS PRELIMINARY IN NATURE. IT IS NOT A FINAL SIGNED AND SEALED DRAWING

DESIGN	J.W.H.	
DRAWN	R.A.P.	
CHECKED	J.W.H.	
APPROV.	T.A.C.	
SQUAD	CEC	

SH34 OVER N. PERSIMMON CREEK WOODWARD COUNTY
BRIDGE A

GENERAL PLAN AND ELEVATION

100'–100'–100' TYPE IV P.C. BEAM SPANS, 0° SKEW, 40' CLEAR ROADWAY WITH TR–4 PARAPETS ℄ STA. 2442+16.00

JOB PIECE NO. 28827(04) SHEET NO. 20