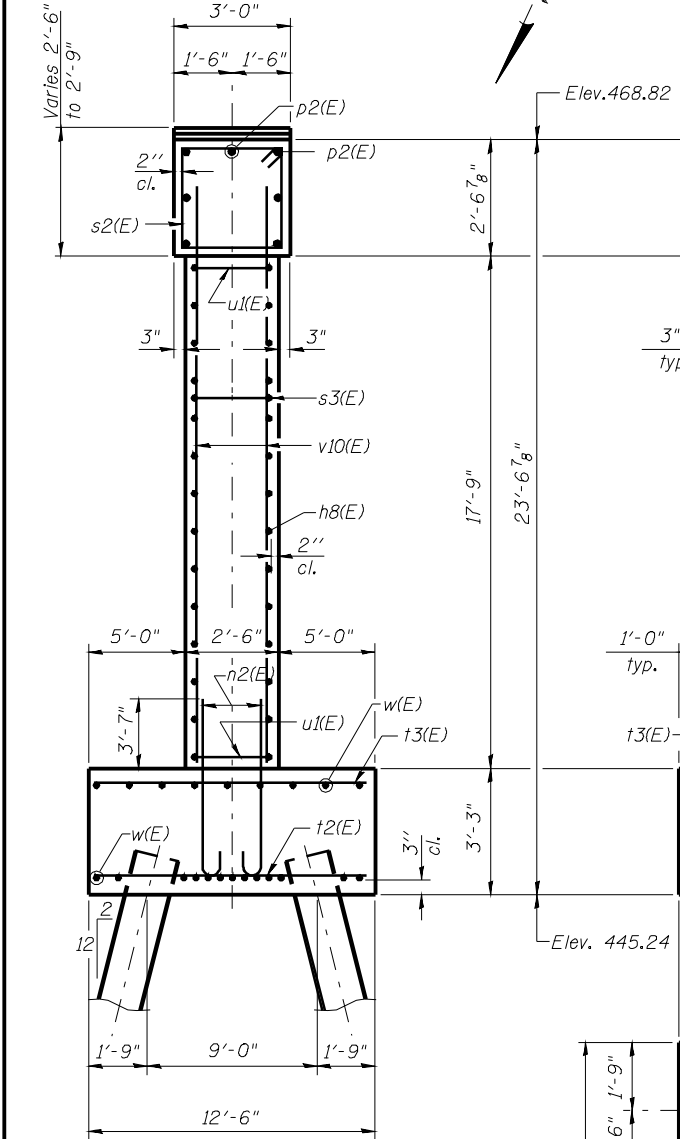
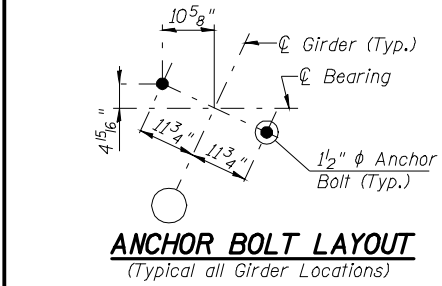


Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
Buried timber piles may be encountered at Pier 8.
For details of piles, see sheet 71 of 86.



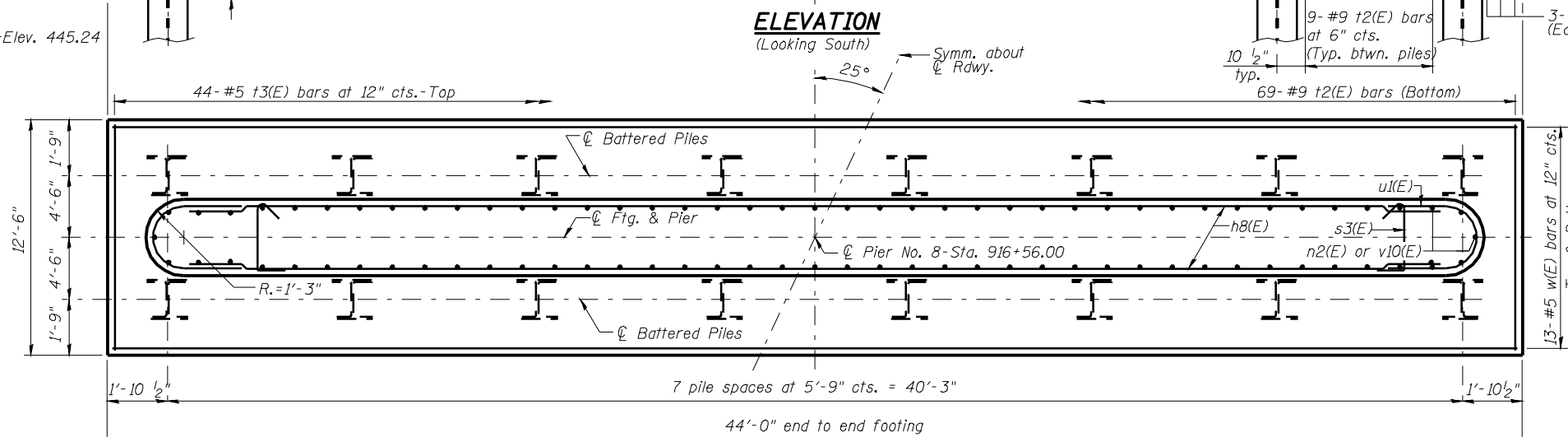
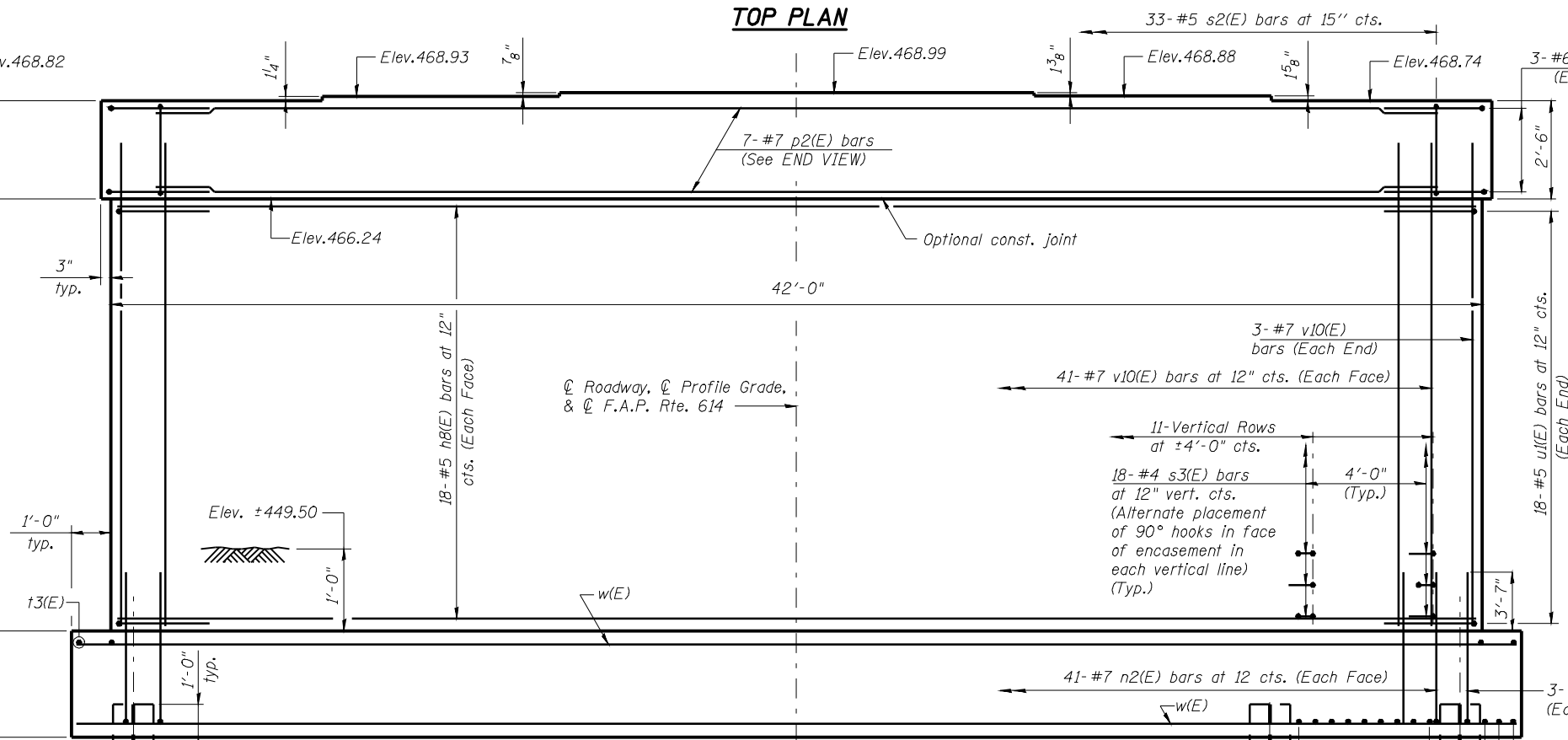
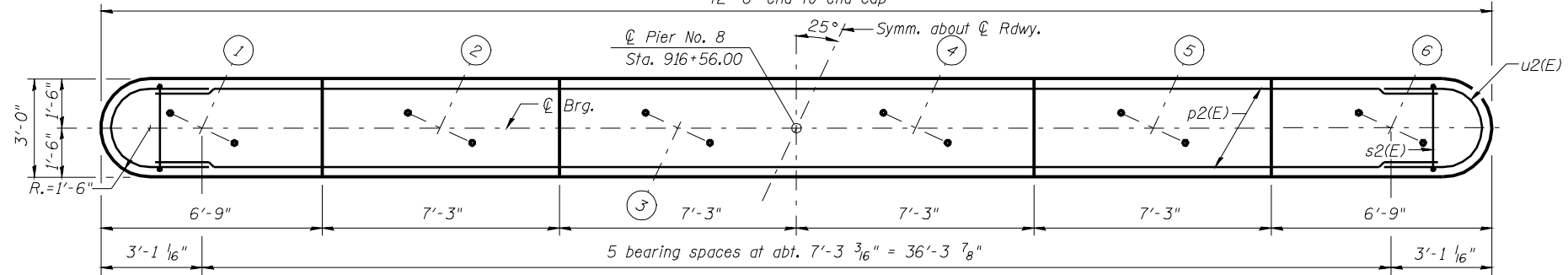
END VIEW
MIN. BAR LAP
#7 bars = 3'-5"

PILE DATA

Type:	HP 14x89
Nominal Required Bearing:	705 kips
Factored Resistance Available:	352 kips
Length:	75 Ft.
No. Production Piles:	16
No. Test Piles:	None

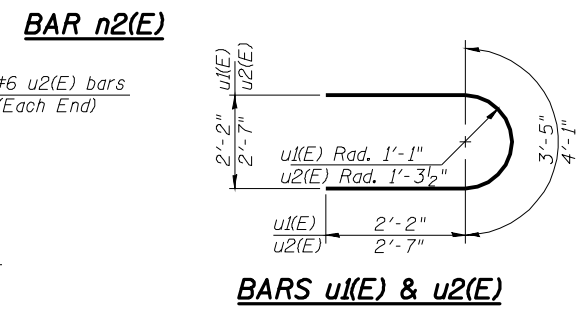
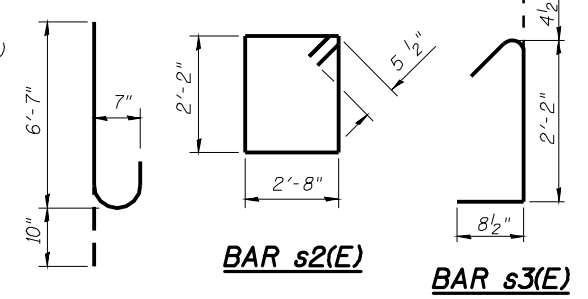
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

42'-6" end-to-end cap



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
FAP Rte 614	144(B-1)	Cass & Mason	351	202	86 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #72A76



BILL OF MATERIAL - PIER 8

Bar	No.	Size	Length	Shape
h8(E)	36	#5	39'-6"	—
n2(E)	88	#7	7'-5"	U
p2(E)	7	#7	39'-6"	—
s2(E)	33	#5	10'-7"	□
s3(E)	198	#4	3'-3"	U
t2(E)	69	#9	12'-0"	—
t3(E)	44	#5	12'-0"	—
u1(E)	36	#5	7'-9"	U
u2(E)	6	#6	9'-3"	U
v10(E)	88	#7	19'-9"	—
w(E)	26	#5	43'-6"	—
Structure Excavation			Cu. Yd.	125
Concrete Structures			Cu. Yd.	146.7
Reinforcement Bars, Epoxy Coated			Pound	12650
Furnishing Steel Piles, HP14x89			Foot	1200
Driving Piles			Foot	1200
Pile Shoes			Each	16

PIER 8 - DETAILS
F.A.P. 614 (IL 78) OVER SANGAMON RIVER
PUBLIC WATERS
CASS & MASON COUNTIES
SECTION 144 (B-1)
STA. 913+26.00
STRUCTURE NUMBER 009-0510

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

© Copyright Hanson Professional Services Inc. \$MS_YEAR\$

HANSON
Hanson Professional Services Inc.

JOB NO.

07S2026

DATE

03/27/09

LAYOUT VPT 09/12/08
DRAW BNC 09/30/08
REVIEWED TEH 09/30/08
Min: 3/1/2009 08:03:55AM
C:\m\work\PILOT\144B\PIER8\03144B-009-0510 Master Sheet File.dgn