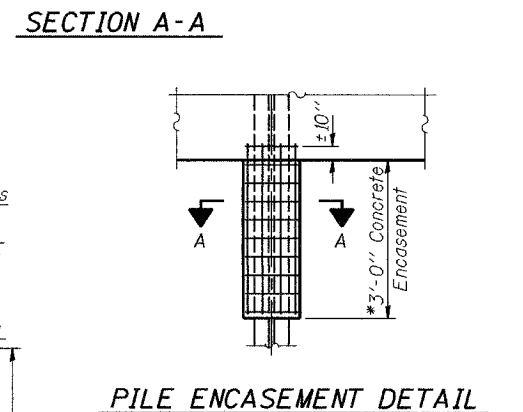
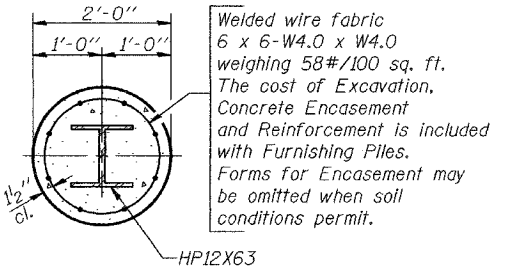
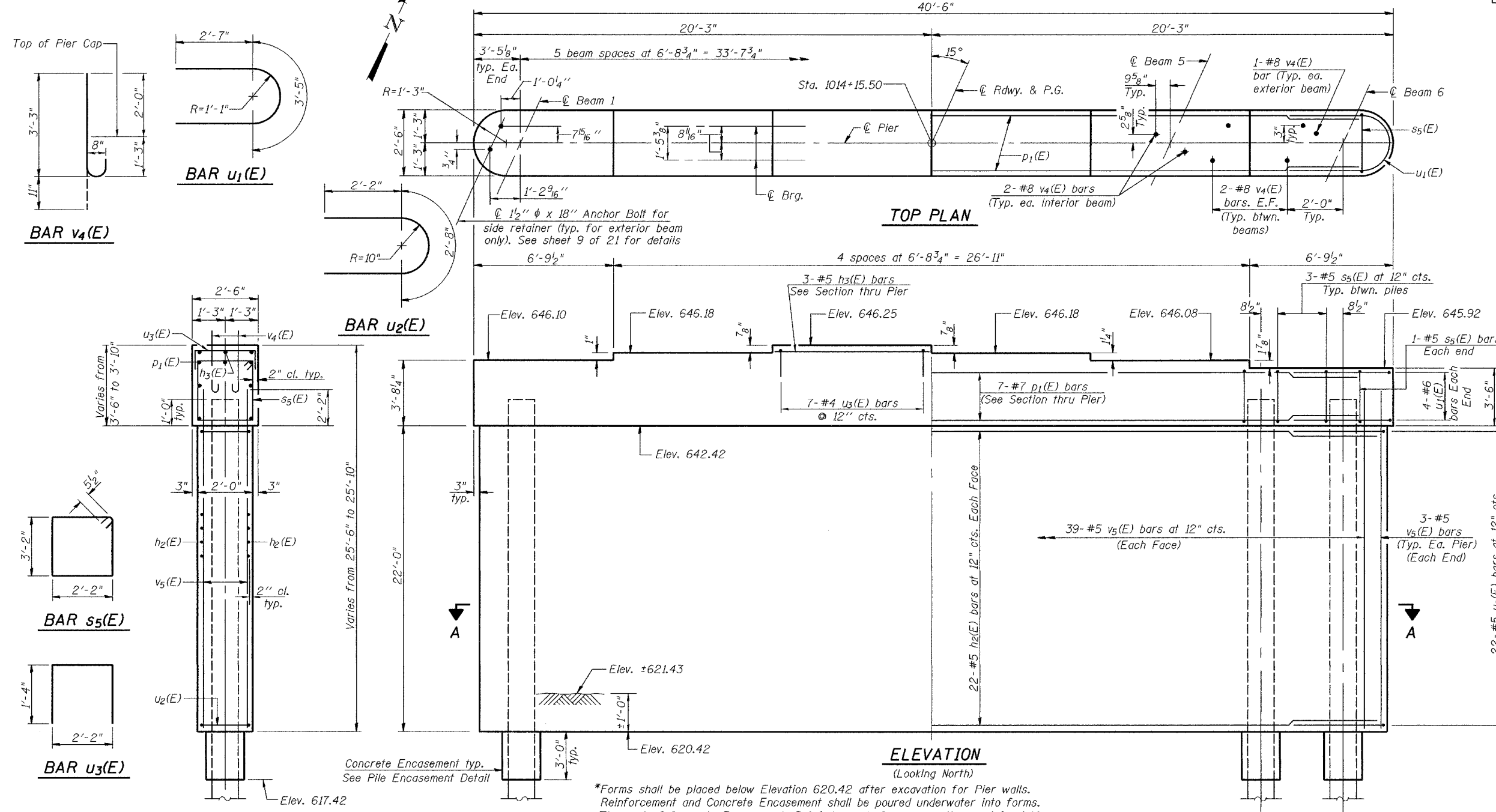


Notes: Four steps monolithically with cap.
 Space reinforcement in cap to miss Anchor Bolts.
 For Anchor Bolt installation details see sheet 13 of 21.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO. FAP 836	SECTION (119BR) BR	COUNTY CHAMPAIGN	SHEET 27	SHEET NO. 16 21 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract # 70355



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2(E)	44	#5	38'-0"	—
h3(E)	3	#5	6'-5"	—
p1(E)	7	#7	38'-0"	—
s5(E)	35	#5	11'-7"	□
u1(E)	8	#6	8'-7"	U
u2(E)	44	#5	7'-0"	U
u3(E)	7	#4	4'-10"	U
v4(E)	30	#8	4'-2"	U
v5(E)	84	#5	24'-0"	—
Concrete Structures			Cu. Yd.	78.1
Reinforcement Bars			Pound	5610
Epoxy Coated				
Structure Excavation			Cu. Yd.	10
Furnishing Steel Piles			Foot	996
HP 12 x 63				
Driving Steel Piles			Foot	996
Underwater Structure			Each	1
Excavation Protection				
Location 1				

Reinforcement bars designated (E) shall be epoxy coated.

PIER 1
F.A.P. RT. 836-SECTION (119BR)BR
CHAMPAIGN COUNTY
STATION 1015+21.00
STRUCTURE NO. 010-0280

PILE DATA
 Type: HP 12 x 63
 Design Capacity: 66 Tons Driven to 99 Tons Brg.
 Est. Length: 83'
 No. Required: 12

DESIGNED Philip E. Coppernoll	December 1 2004
CHECKED Ray Ahanchi	EXAMINED Thomas J. Domagala
DRAWN R. Sommer	PASSED Ralph E. Anderson
CHECKED P.E.C./G.R.A.	

*Forms shall be placed below Elevation 620.42 after excavation for Pier walls. Reinforcement and Concrete Encasement shall be poured underwater into forms. The cost of Concrete Encasement, Reinforcement, form excavation, and furnishing and placing forms is included with furnishing piles. If a portion of the pier wall is under water. Concrete shall be trimmed under water into forms according to Article 503.08 of the Standard Specifications. Concrete shall be trimmed to an Elevation 1'-0" above the water level at the time of Construction.

