

Note: Pour steps monolithically with cap.

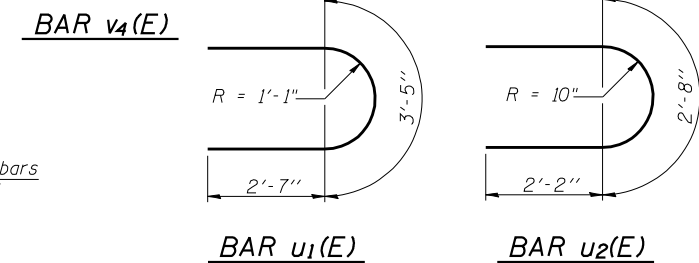
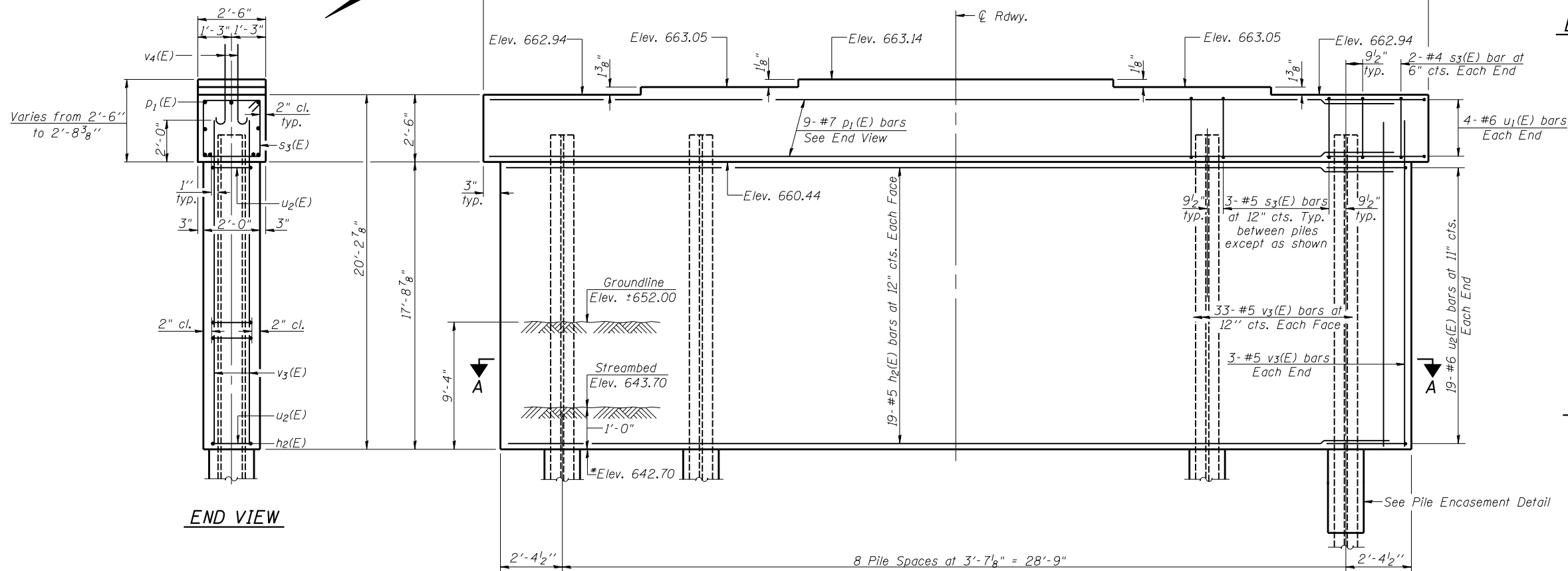
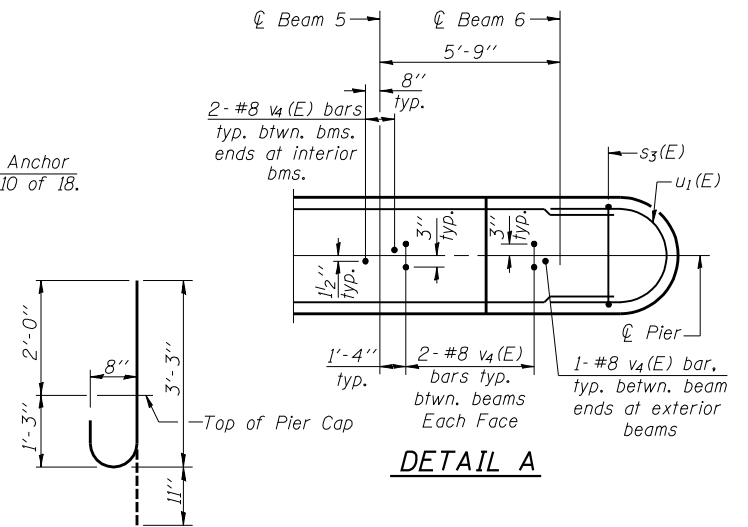
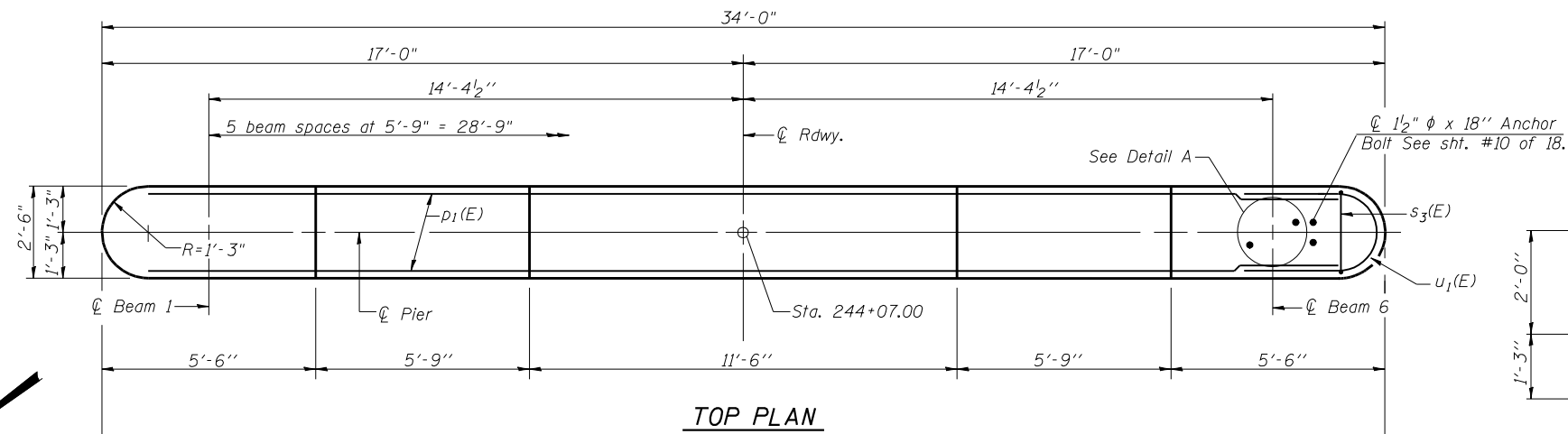
*Forms shall be placed below Elev. 642.70 after excavation for pier wall. Reinforcement shall be place and concrete encasement shall be poured underwater into forms. If a portion of the pier wall is under water, concrete shall be trimmed under water into forms according to Article 503.08 of the Standard Specifications. Concrete shall be trimmed to an elevation 1'-0" above the water level at the time of construction.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	40
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #70232

SHEET NO. 15
18 SHEETS



BILL OF MATERIAL

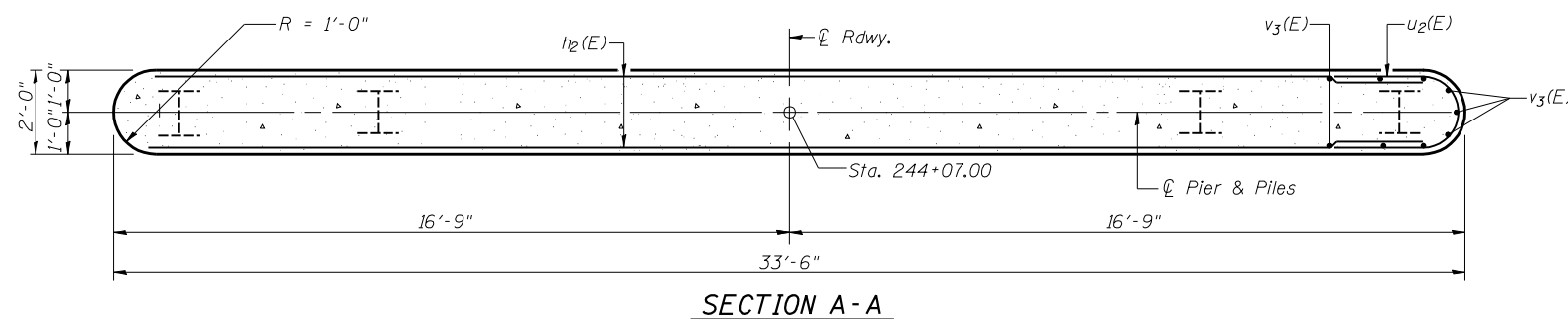
Bar	No.	Size	Length	Shape
h ₂ (E)	38	#5	31'-6"	—
p ₁ (E)	9	#7	31'-6"	—
s ₃ (E)	28	#5	9'-7"	□
u ₁ (E)	8	#6	8'-7"	U
u ₂ (E)	38	#6	7'-0"	U
v ₃ (E)	72	#5	19'-7"	—
v ₄ (E)	30	#8	4'-2"	—
Concrete Structures		Cu. Yd.	52	
Reinforcement Bars, Epoxy Coated		Pound	4410	
Furnishing Steel Piles HP12x63		Foot	266	
Structure Excavation		Cu. Yd.	76	
Test Pile Steel HP 12x63		Each	1	
Driving Piles		Foot	266	
Underwater Structure Excavation Protection - Location 1		Each	1	
Concrete Encasement		Cu. Yd.	2.8	

PILE DATA

Type: HP12x63
 Nominal Req'd. Bearing: 471 kips
 Allowable Resistance Available: 157 kips
 Est. Length: 38 ft.
 No. Required: 7+1 Test Pile

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

EXAMINED	September 6, 2007	Thomas J. Domagala
PASSED		Ralph E. Anderson



PIER
 F.A.P. ROUTE 721 - SECTION (113BR)BR
 DEWITT COUNTY
 STATION 244+07.00
 STRUCTURE NO. 020-0062