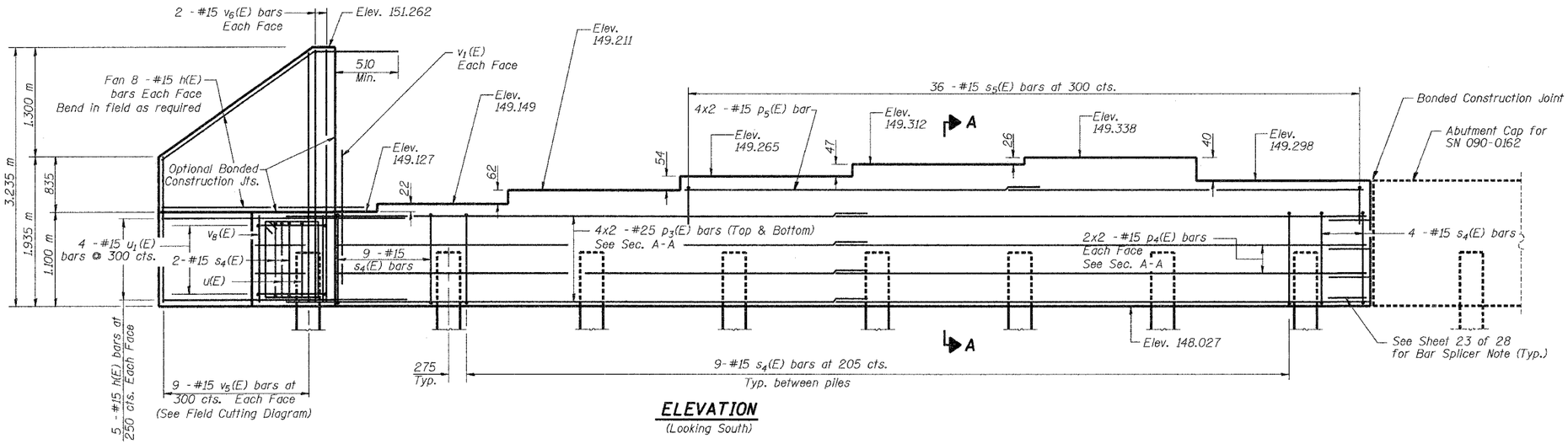
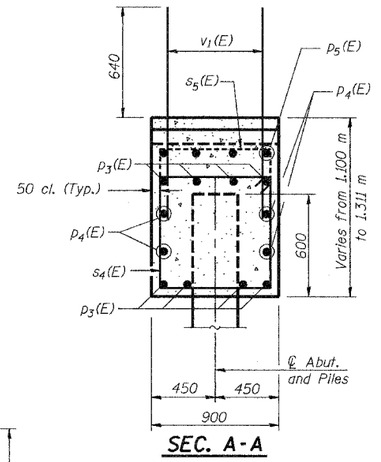
68201

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	(90-14HB)BR	TAZEWELL	1366	585
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

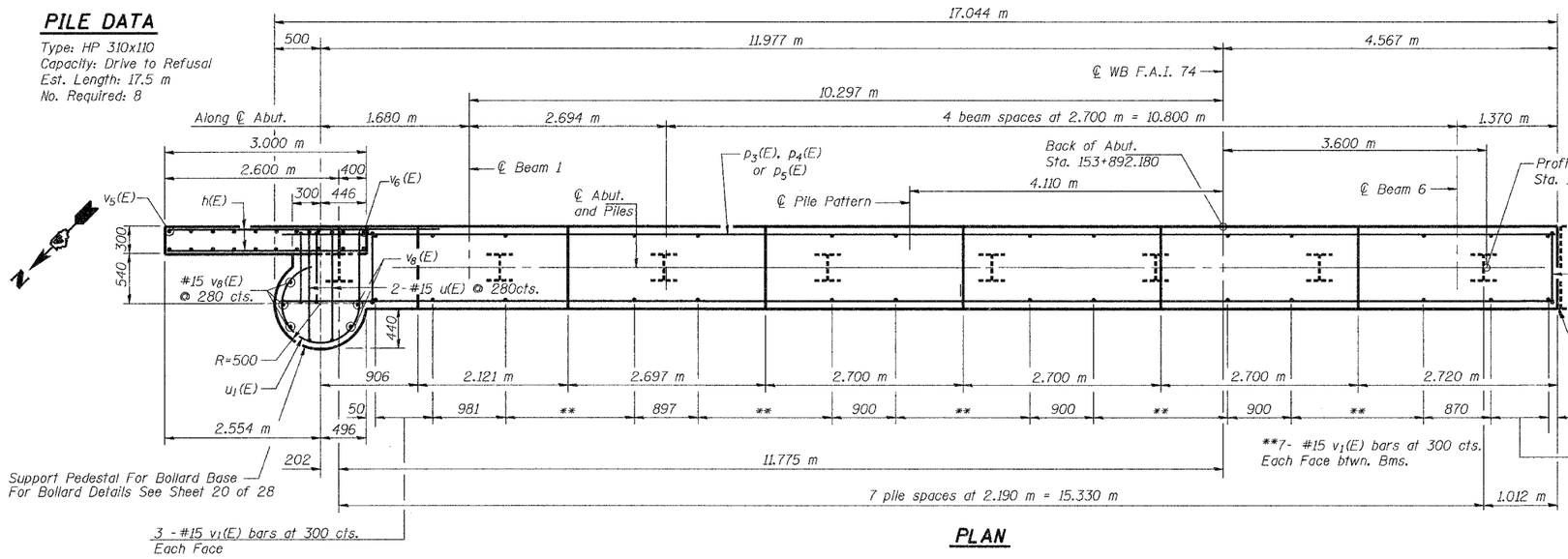


ELEVATION
(Looking South)

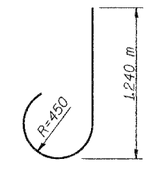


SEC. A-A

PILE DATA
Type: HP 310x110
Capacity: Drive to Refusal
Est. Length: 17.5 m
No. Required: 8



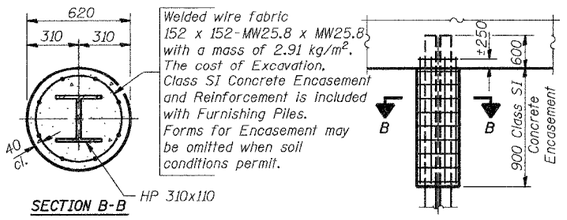
PLAN



BAR u1(E)

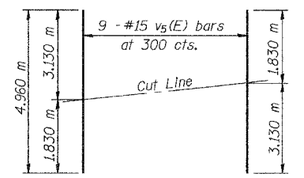
SOUTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
h(E)	26	#15	3.77	
p3(E)	16	#25	9.21	
p4(E)	8	#15	8.75	
p5(E)	8	#15	5.67	
s4(E)	69	#15	3.88	
s5(E)	36	#15	1.30	
u(E)	2	#15	3.22	
u1(E)	4	#15	2.77	
v1(E)	84	#15	1.28	
v5(E)	9	#15	4.96	
v6(E)	4	#15	3.13	
v8(E)	5	#15	1.00	
Reinforcement Bars, Epoxy Coated		kg	1710	
Concrete Structures		m³	21.4	
Steel Piles HP 310x110		m	140.0	
Structure Excavation		m³	181	

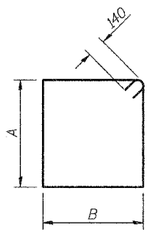


SECTION B-B

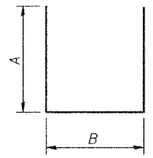
PILE ENCASEMENT DETAIL



FIELD CUTTING DIAGRAM
Order v5(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s4(E)



BARS s5(E), u(E)

Bar	Dimension A	Dimension B
s4(E)	1.000 m	800
s5(E)	250	800
u(E)	1.000 m	1.220 m

Min. Bar Lap	
#15	550
#25	1.480 m

Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 4x3 - #25 etc. indicates 4 lines of bars with 3 lengths per line.
All dimensions are in millimeters (mm) except as noted.
For Bollard Details See Sheet 20 of 28

SOUTH ABUTMENT

Date	Designed DCS	INTERSTATE 74 AND RAMPS L-1 AND L-4 OVER E. WASHINGTON STREET F.A.I. RTE. 74 SECTION (90-14HB)BR TAZEWELL COUNTY STATION 153+868.540 STRUCTURE NO. 090-0163 (WB)	Sheet No. 18 of 28
Revisions	Drawn BKN		
	Checked TDN		
	Approved KWB		
Prepared By: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 2100001243.01

12/17/2004 9:31:57 AM
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