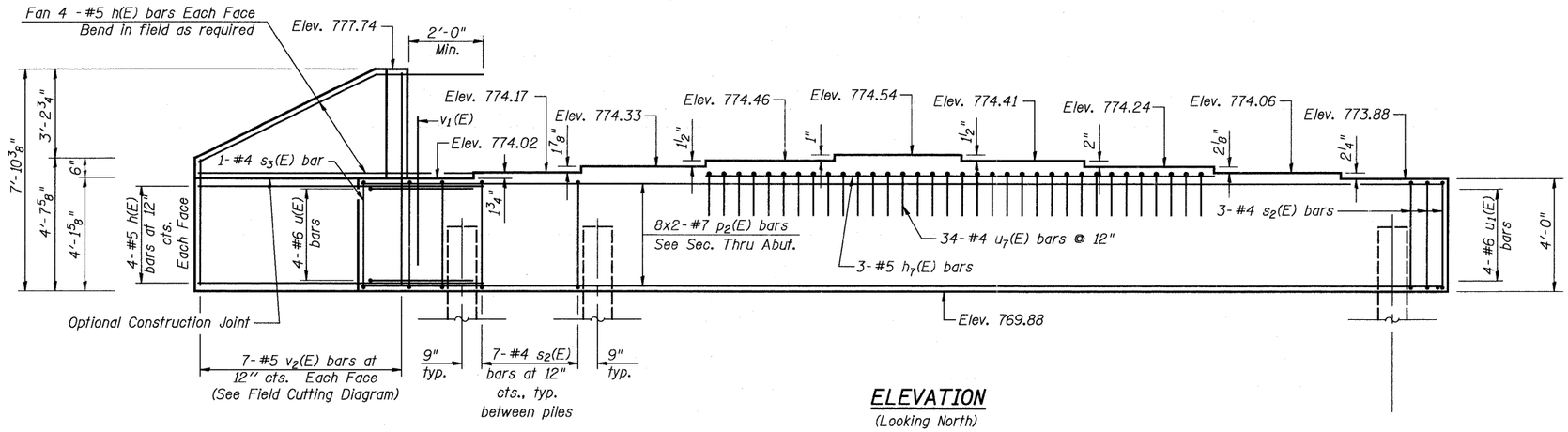
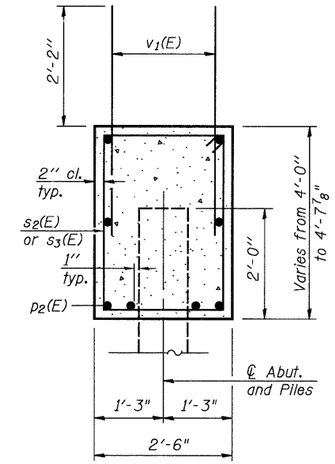


ELEVATION

(Looking North)

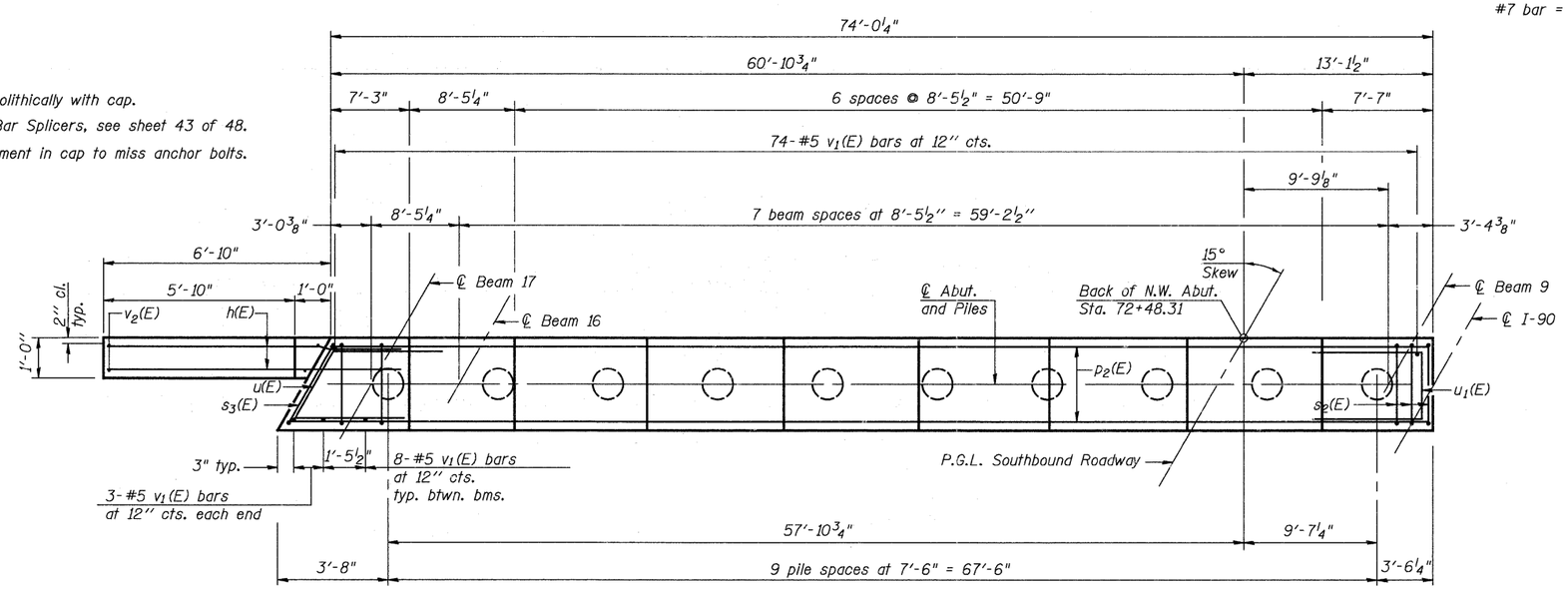


SEC. THRU ABUT.

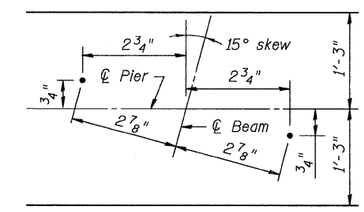
MINIMUM BAR LAP

#7 bar = 4'-2"

Notes:
Pour steps monolithically with cap.
For details of Bar Splicers, see sheet 43 of 48.
Space reinforcement in cap to miss anchor bolts.



PLAN

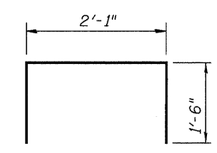


TYPICAL ANCHOR BOLT LOCATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	16	#5	9'-8"	
h7(E)	3	#5	33'-6"	
p2(E)	16	#7	38'-11"	
s2(E)	78	#4	12'-5"	
s3(E)	1	#4	12'-7"	
u(E)	4	#6	10'-6"	
u1(E)	4	#6	10'-5"	
u7(E)	34	#4	5'-1"	
v1(E)	144	#5	4'-10"	
v2(E)	7	#5	11'-10"	
Structure Excavation			Cu. Yd.	39.7
Concrete Structures			Cu. Yd.	30.6
Reinforcement Bars, Epoxy Coated			Pound	3215
Furnishing Metal Shell Piles, 14"ϕ x 0.250"			Foot	415
Driving Piles			Foot	415
Test Pile, Metal Shells			Each	1

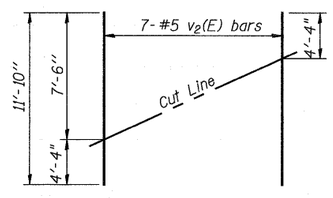
Bars indicated thus 1 x 2-#5 etc. indicates 1 line of bars with 2 lengths per line.



BAR u7(E)

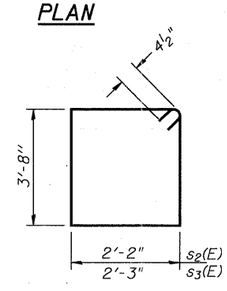
PILE DATA

Type: 14" ϕ Metal Shell w/ 0.25" walls
Nominal Required Bearing: 364 Kips/Pile
Factored Resistance Available: 200 Kips/Pile
Est. Length: 46 Feet
No. Production Piles: 9
No. Test Piles: 1

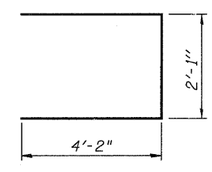


FIELD CUTTING DIAGRAM

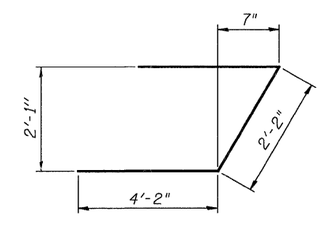
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s2(E) & s3(E)



BAR u1(E)



BAR u(E)

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USER NAME =	DESIGNED - JTT	REVISED -	
	CHECKED - VAC	REVISED -	
PLOT SCALE =	DRAWN - JBB	REVISED -	
PLOT DATE =	CHECKED - JTT	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTHWEST ABUTMENT DETAILS
STRUCTURE NO. 101-0193

BRIDGE SHEET NO. 35 OF 48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(X2-1)R	WINNEBAGO	510	380

CONTRACT NO. 64C29

ILLINOIS FED. AID PROJECT