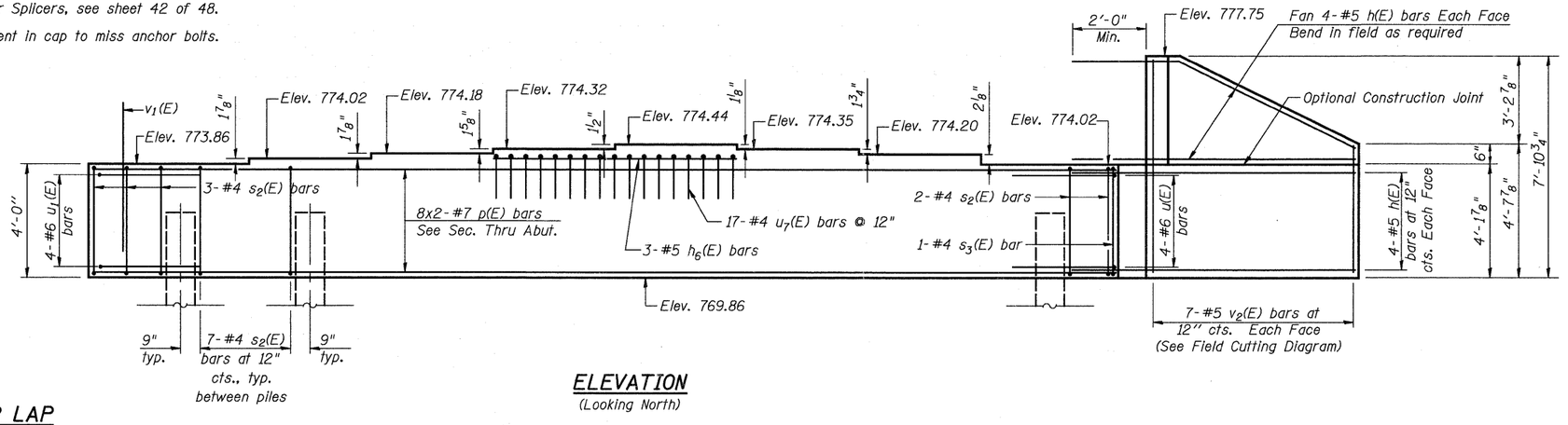
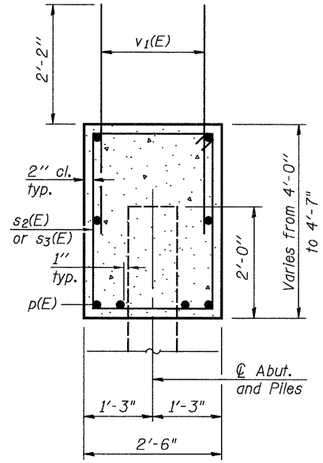
Notes:
Pour steps monolithically with cap.

For details of Bar Splicers, see sheet 42 of 48.

Space reinforcement in cap to miss anchor bolts.

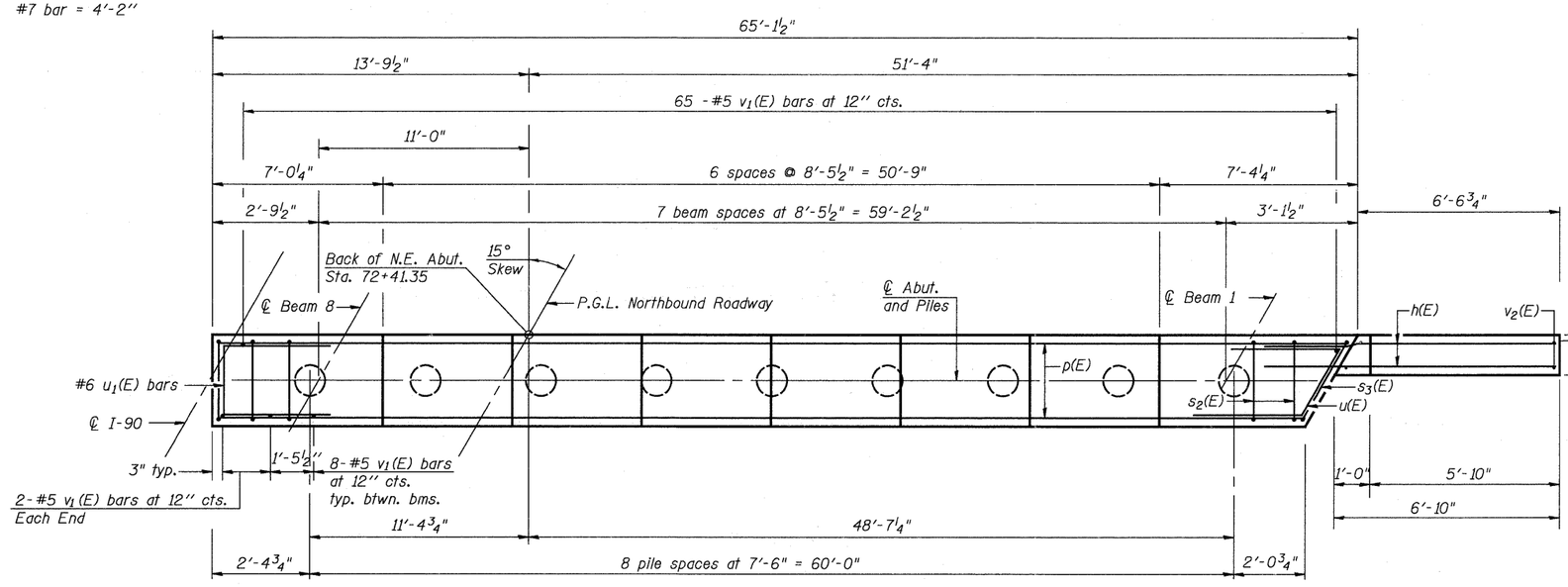


ELEVATION
(Looking North)

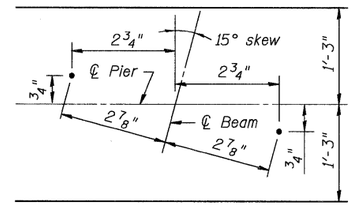


SEC. THRU ABUT.

MINIMUM BAR LAP
#7 bar = 4'-2"



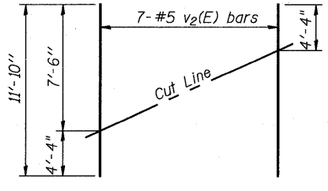
PLAN



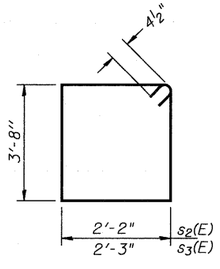
TYPICAL ANCHOR BOLT LOCATION

PILE DATA

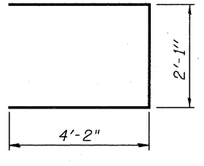
Type: 14" ϕ Metal Shell w/ 0.25" walls
Nominal Required Bearing: 364 Kips/Pile
Factored Resistance Available: 200 Kips/Pile
Est. Length: 46 Feet
No. Production Piles: 8
No. Test Piles: 1



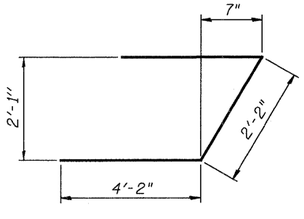
FIELD CUTTING DIAGRAM
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



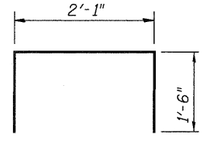
BARS s2(E) & s3(E)



BAR u1(E)



BAR u(E)



BAR u7(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	16	#5	9'-8"	——
h6(E)	3	#5	16'-5"	——
p(E)	16	#7	34'-6"	——
s2(E)	61	#4	12'-5"	⌐
s3(E)	1	#4	12'-7"	⌐
u(E)	4	#6	10'-6"	⌐
u1(E)	4	#6	10'-5"	⌐
u7(E)	17	#4	5'-1"	⌐
v1(E)	125	#5	4'-10"	——
v2(E)	7	#5	11'-10"	——
Structure Excavation		Cu. Yd.	36.3	
Concrete Structures		Cu. Yd.	26.6	
Reinforcement Bars, Epoxy Coated		Pound	2765	
Furnishing Metal Shell Piles, 14"ϕ x 0.250"		Foot	370	
Driving Piles		Foot	370	
Test Pile, Metal Shells		Each	1	

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

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Design Firm License: Illinois 184-000815

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTHEAST ABUTMENT DETAILS
STRUCTURE NO. 101-0194
BRIDGE SHEET NO. 33 OF 48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(X2-1)R	WINNEBAGO	510	378
		CONTRACT NO. 64C29		
		ILLINOIS	FED. AID PROJECT	