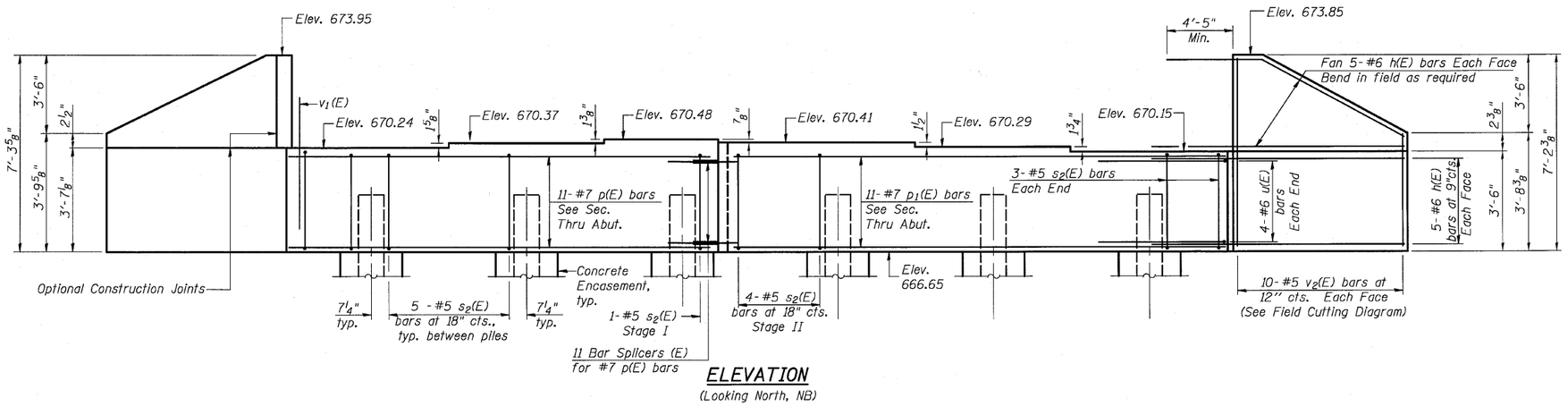
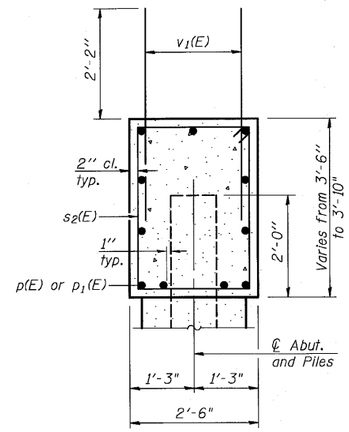
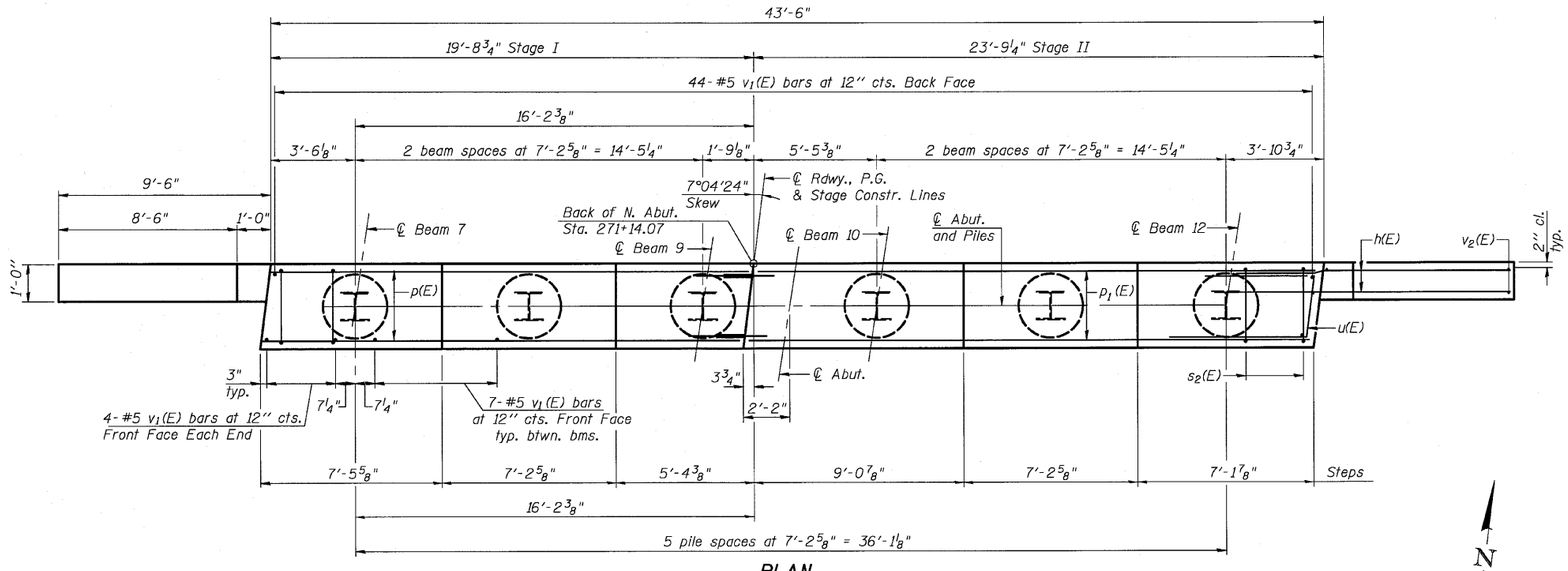
Notes:
Pour steps monolithically with cap.



ELEVATION
(Looking North, NB)



SEC. THRU ABUT.



PLAN

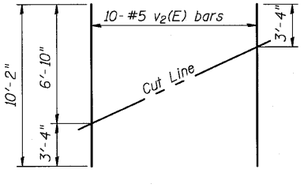
ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	40	#6	13'-11"	——
p(E)	11	#7	19'-5"	——
p1(E)	11	#7	23'-5"	——
s2(E)	31	#5	11'-7"	□
u(E)	8	#6	10'-11"	⌐
v1(E)	87	#5	4'-4"	——
v2(E)	20	#5	10'-2"	——
Structure Excavation		Cu. Yd.	148	
Concrete Structures		Cu. Yd.	18.8	
Reinforcement Bars, Epoxy Coated		Pound	2910	
Furnishing - Piles, HP 12x53		Foot	168	
Driving Piles		Foot	168	
Concrete Encasement		Cu. Yd.	2.1	
Bar Splicers (E)		Each	11	

For details of Bar Splicers, see sheet 34 of 42.
For details of piles and Concrete Encasement, see sheet 33 of 42.

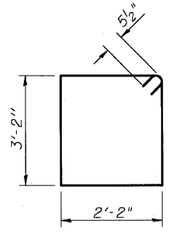
PILE DATA

Type: HP 12x53
Nominal Required Bearing: 262 Kips
Factored Resistance Available: 131 Kips
Est. Length: 28'
No. Production Piles: 6
No. Test Piles: 0

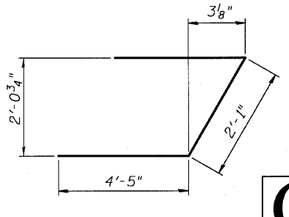


FIELD CUTTING DIAGRAM

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



BAR s2(E)



BAR u(E)

NORTH ABUTMENT NB
STRUCTURE NO. 053-0187 (NB)

Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

PROJECT NO.	05004-10
SCALE	
DATE	8/10/10
DESIGN BY	GB/MCB
DRAWN BY	MML
CHECKED BY	MCB

SHEET NO. 28
42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-1) HBR & HBR-1	LIVINGSTON	102	47
		CONTRACT NO. 66856		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

AI-R
11-1-09

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