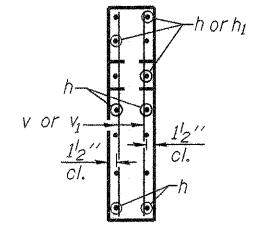
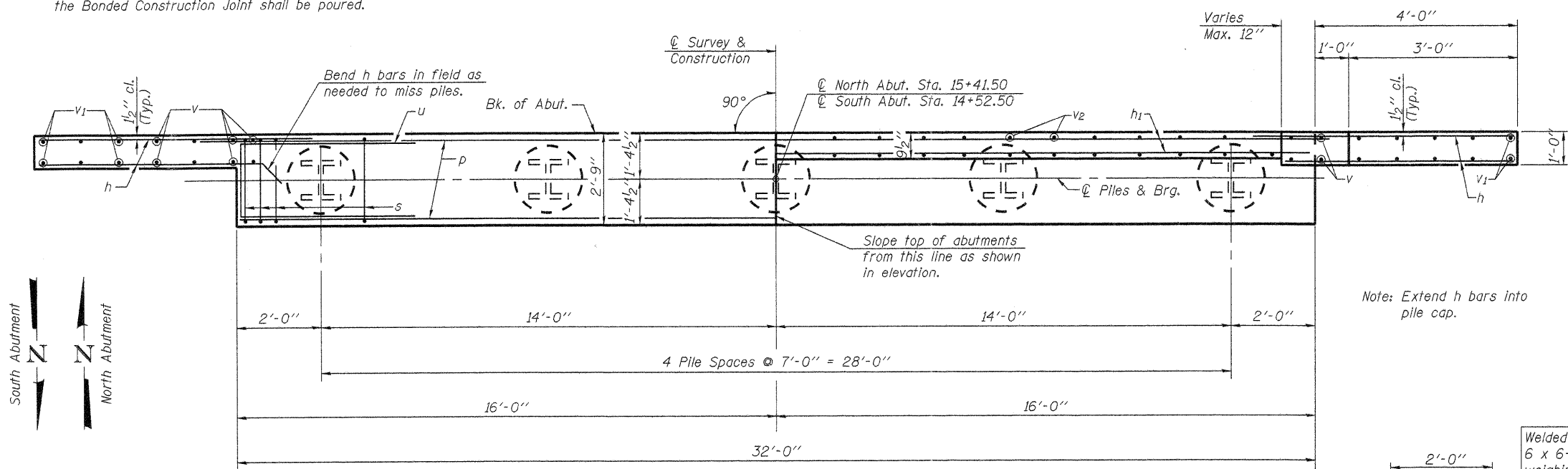


Note: After beams are in place and dowel rods grouted, the backwall and the portions of the wingwalls above the Bonded Construction Joint shall be poured.

ELEVATION

SECTION THRU ABUT.



SECTION A-A

**2 ABUTMENTS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h	56	#5	7'-0"	—
h ₁	12	#4	33'-0"	—
p	20	#7	31'-8"	—
s	68	#5	10'-9"	□
u	16	#6	12'-4"	—
v	40	#4	4'-9"	—
v ₁	24	#4	4'-3"	—
v ₂	120	#4	3'-4"	—
Concrete Structures			Cu. Yd.	25.5
Reinforcement Bars			Pound	3,490
Name Plates			Each	1
Furnishing Steel Piles, HP10x42			Foot	280
Driving Piles			Foot	280
Test Pile, Steel HP10x42			Each	2
Concrete Encasement			Cu. Yd.	3.5

See Sheet 13 for Pile Details.

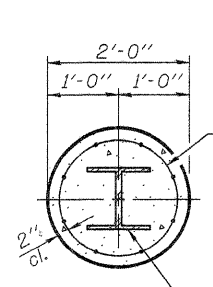
PLAN

PILE DATA

Type & Size.....HP10x42
 No. Req'd. (2 Abuts.).....10*
 Nominal Required Bearing.....335 kips
 Factored Resistance Available.....185 kips
 Estimated Length.....40 ft./pile - S. Abut.
 30 ft./pile - N. Abut.

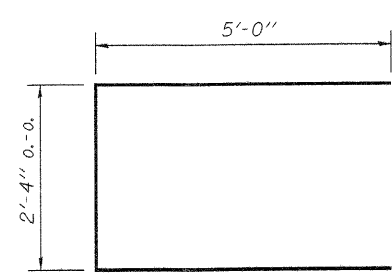
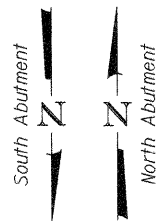
*Includes 1 Test Pile to be driven to 110% of the nominal required bearing in a permanent location at each abutment.

Steel Piles shall be according to AASHTO M270 Grade 50.

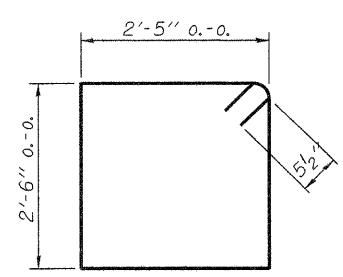


**SECTION B-B
PILE ENCASEMENT DETAIL**

Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ft. The cost of Excavation, and Reinforcement is included with Concrete Encasement. Forms for Encasement may be omitted when soil conditions permit. Extend welded wire fabric 1'-0" min. into Abutment Cap.



BAR u



BAR s