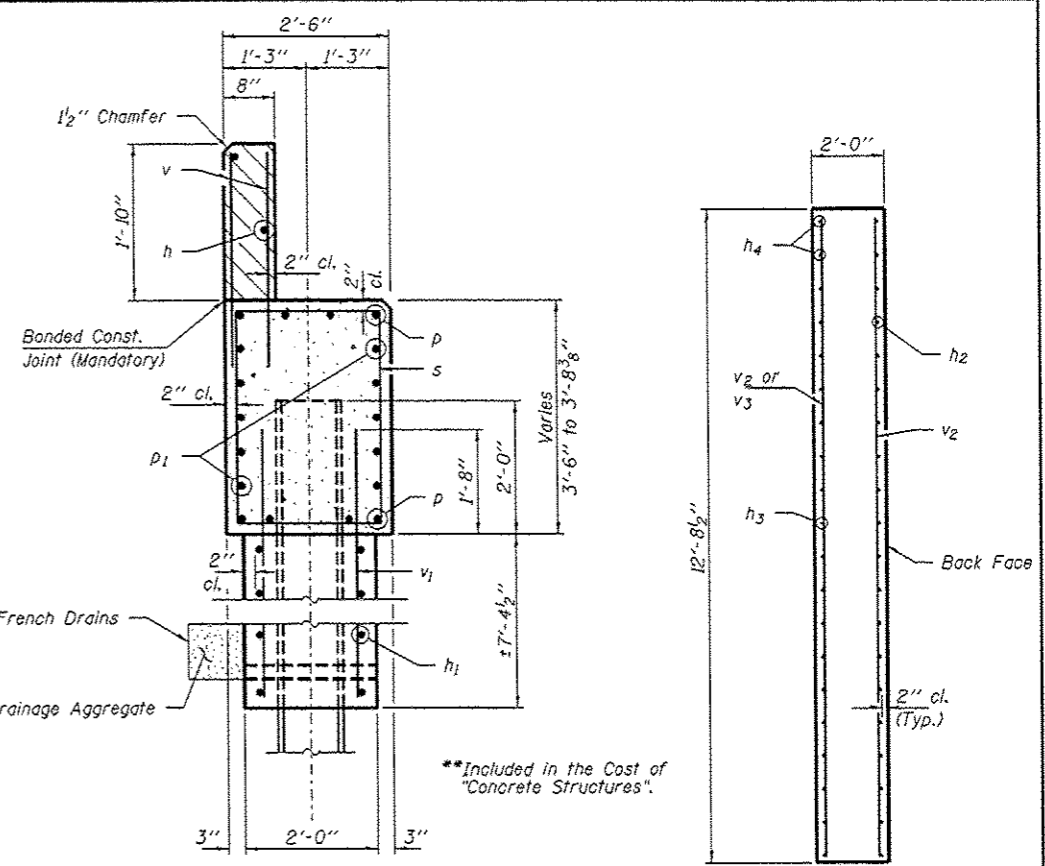
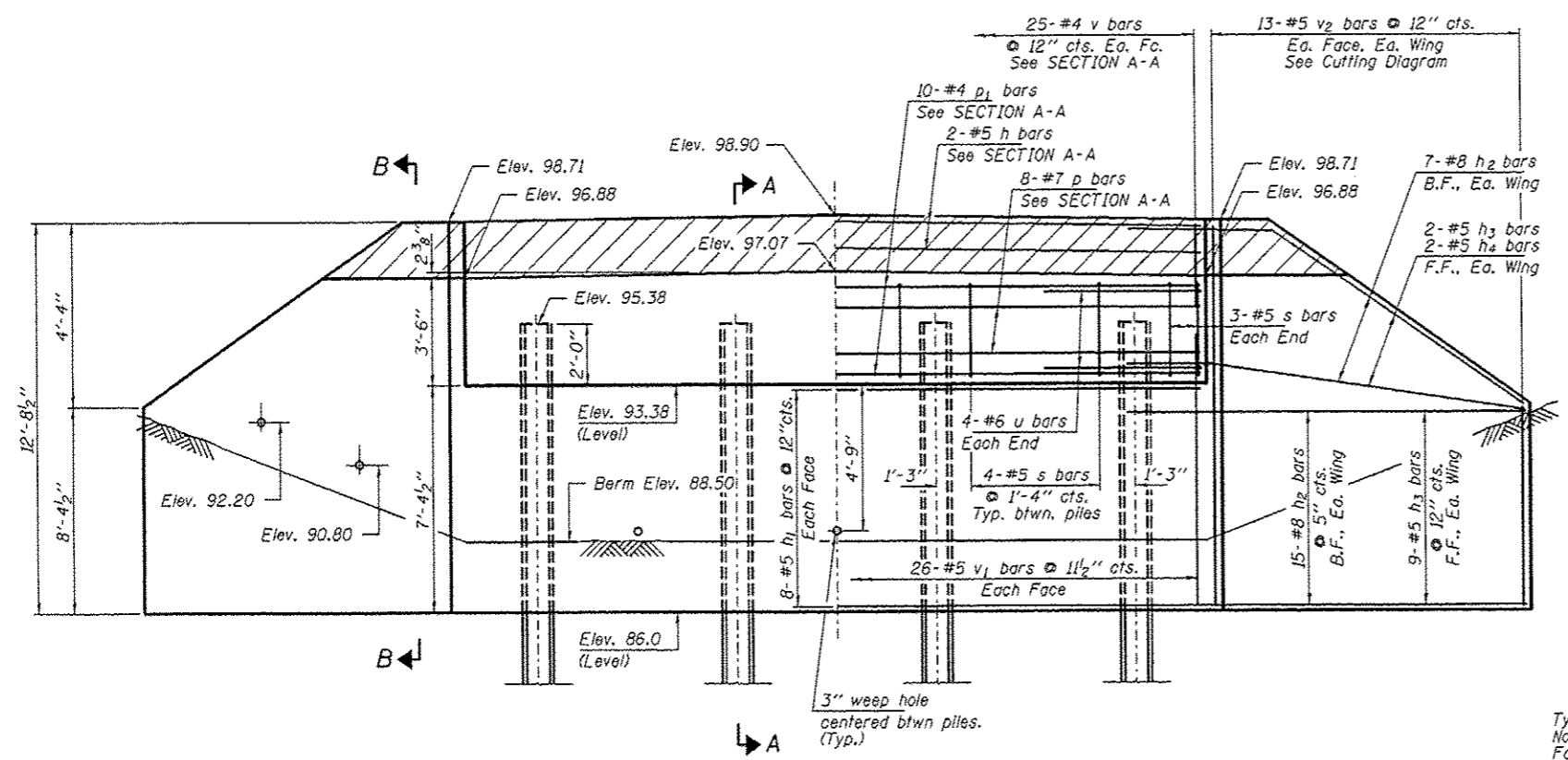


PLAN



SECTION A-A

SECTION B-B



ELEVATION
(Looking South)

PILE DATA

Type..... Steel HP12x53
 No. Req'd..... 4
 Factored Resistance Available (Rf)..... 230 Kips/Pile
 Nominal Required Bearing (Rn)..... 418 Kips/Pile
 Est. Length..... 55 Ft/Pile

BILL OF MATERIAL - S. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h	2	#5	23'-10"	—
h1	16	#5	23'-10"	—
h2	44	#8	16'-1"	—
h3	22	#5	17'-2"	—
h4	4	#5	12'-9"	—
p	8	#7	23'-10"	—
p1	10	#4	23'-10"	—
s	18	#5	11'-7"	□
u	8	#6	12'-1"	—
v	50	#4	2'-8"	—
v1	52	#5	8'-10"	—
v2	26	#5	20'-2"	—
v3	4	#5	12'-4"	—
Concrete Structures			Cu. Yd.	38.7
Reinforcement Bars			Pound	4,860
Steel Piles HP12x53			Foot	220

See sheet 7 of 11 for South Abutment Details.