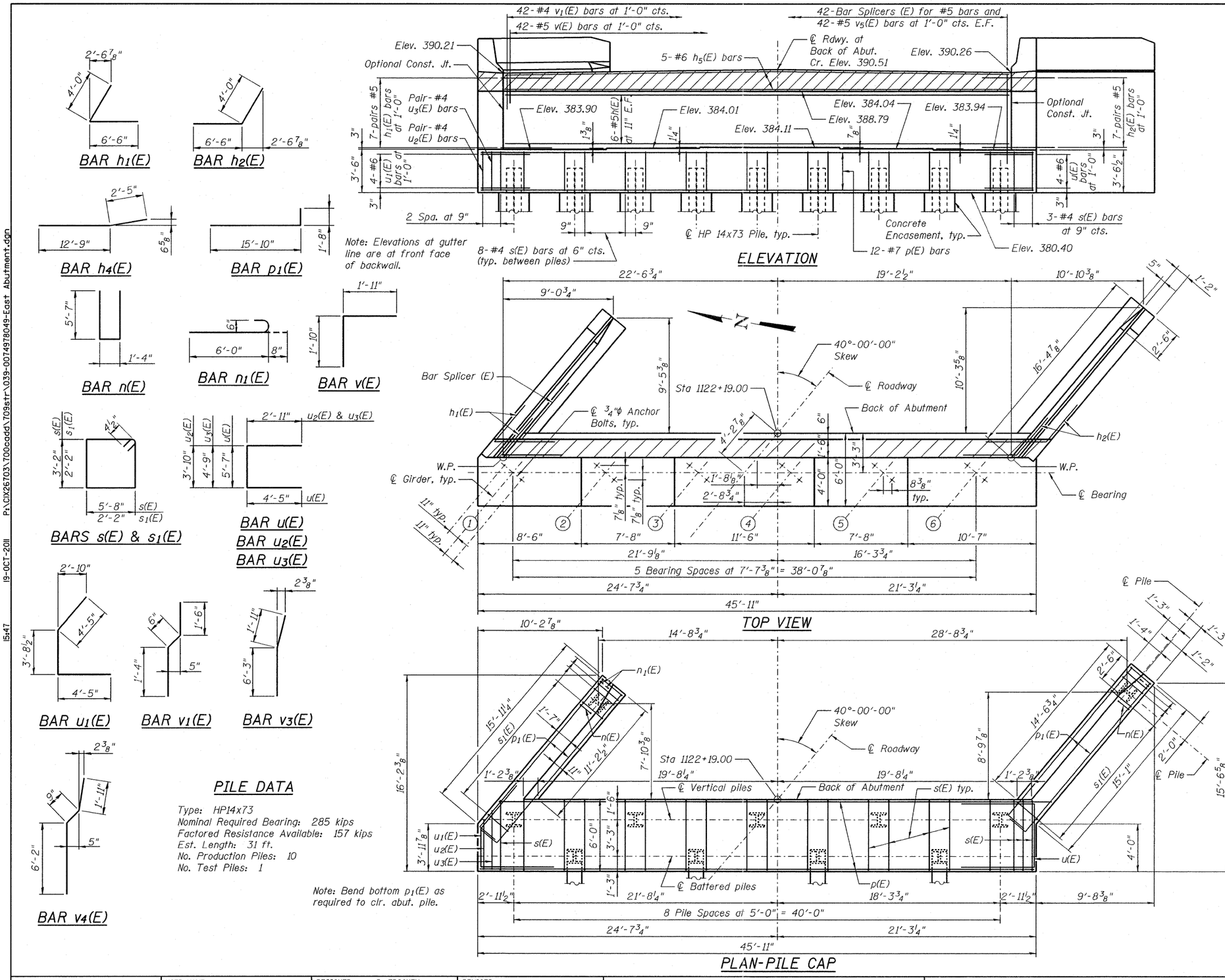

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	12	#5	41'-7"	
h1(E)	14	#5	10'-6"	
h2(E)	14	#5	10'-6"	
h3(E)	26	#4	15'-3"	
h4(E)	18	#4	15'-2"	
h5(E)	5	#6	41'-7"	
n(E)	26	#6	12'-6"	
n1(E)	12	#6	6'-8"	
p(E)	12	#7	45'-7"	
p1(E)	12	#7	17'-6"	
s(E)	68	#4	18'-5"	
s1(E)	32	#4	9'-5"	
u(E)	4	#6	14'-5"	
u1(E)	4	#6	12'-7"	
u2(E)	2	#4	9'-8"	
u3(E)	2	#4	10'-7"	
v(E)	42	#5	3'-9"	
v1(E)	42	#4	3'-4"	
v2(E)	32	#6	8'-10"	
v3(E)	6	#6	8'-2"	
v4(E)	26	#6	8'-10"	
v5(E)	84	#5	7'-3"	
Structure Excavation		Cu. Yd.	186	
Concrete Structures		Cu. Yd.	70.4	
Reinforcement Bars, Epoxy Coated		Pound	6,710	
Furnishing - Piles, HP14x73		Foot	310	
Driving Piles		Foot	310	
Test Pile, HP14x73		Each	1	
Pile Shoe		Each	4	
Concrete Encasement		Cu. Yd.	6.0	
Concrete Sealer		Sq. Ft.	640	

SEISMIC PILE DETAILS

Cost of 3/4"φ Studs shall be included in item "Furnishing Steel Piles, HP14x73."

PILE DATA

Type: HP14x73
Nominal Required Bearing: 285 kips
Factored Resistance Available: 157 kips
Est. Length: 31 ft.
No. Production Piles: 10
No. Test Piles: 1

Note: Bend bottom p1(E) as required to clr. abut. pile.

NOTES

Top of backwall shall conform to longitudinal grade and cross slope of roadway.

Pour steps monolithically with cap.

Space reinforcement in cap to miss anchor bolts.

Concrete Sealer should be applied to the designated areas of the abutment shown on sheet 25 of 35.

All edges shall have a standard 3/4" chamfer except as noted.

For details of Bar Splicers, see sheet 29 of 35.

For details of piles and Concrete Encasement, see sheet 30 of 35.