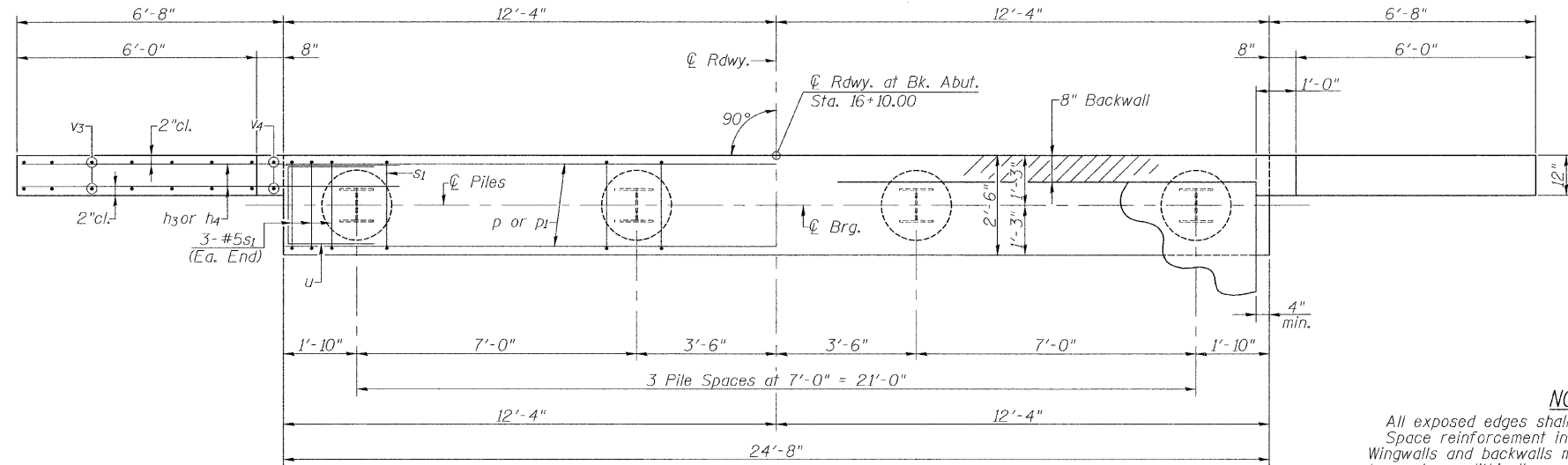
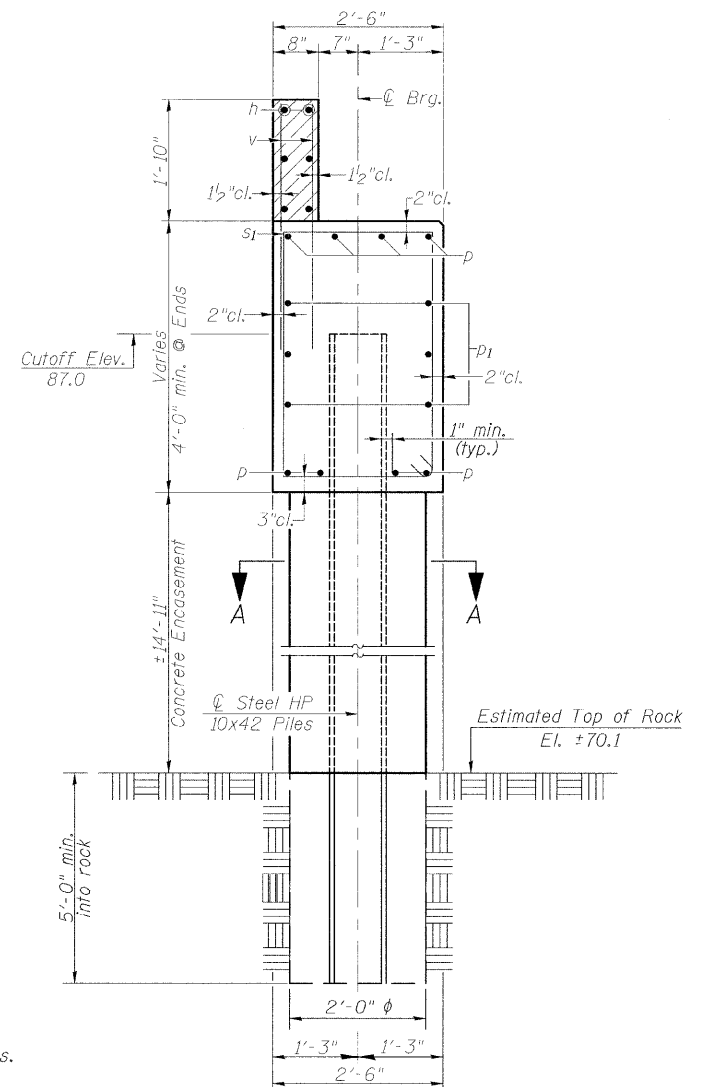


ELEVATION
(E. Abut. Looking East)

PILE DATA
 Type: Steel HP 10x42
 Nominal Required Bearing: 335 Kips
 Factored Resistance Available: 167 Kips
 Estimated Pile Length: 27'
 Number of Production: 4
 Number of Test Piles: 0



PLAN

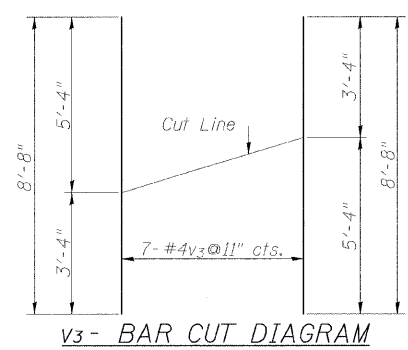


SECTION THRU ABUTMENT

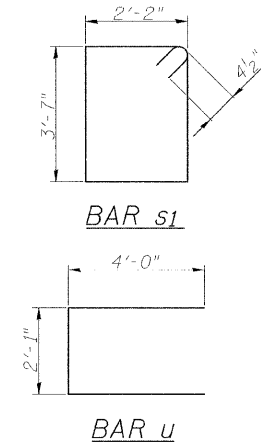
NOTES
 All exposed edges shall have standard 3/4" chamfer.
 Space reinforcement in cap to miss beam anchor dowels.
 Wingwalls and backwalls may, at the contractor's option, be cast monolithically.
 Hatched area and wingwalls shall be poured after deck beams are anchored in place.
 The Steel H-Piles shall be according to AASHTO M270, Grade 50.
 If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms.
 Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.
 Work this sheet with Sheet No. 15 of 19.

BILL OF MATERIAL

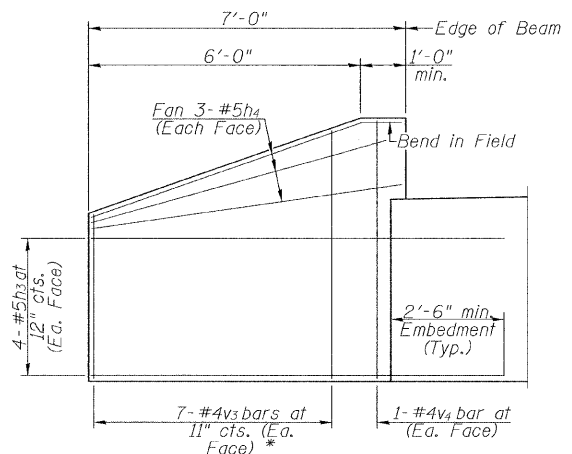
BAR	NO.	SIZE	LENGTH	SHAPE
h	6	#4	24'-4"	—
h3	16	#5	9'-2"	—
h4	12	#5	7'-0"	—
p	8	#7	24'-4"	—
p1	6	#5	24'-4"	—
s1	27	#4	12'-3"	□
u	10	#6	10'-1"	□
v	50	#4	3'-3"	—
v3	14	#4	8'-8"	—
v4	4	#4	5'-5"	—
Concrete Structures			Cu. Yd.	13.0
Reinforcement Bars			Pound	1470
Furnishing Steel Piles HP 10x42			Foot	108
Concrete Encasement			Cu. Yd.	7.0
Structure Excavation			Cu. Yd.	58
Setting Piles in Rock			Each	4



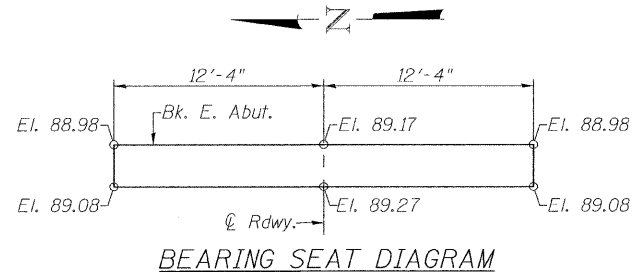
v3 - BAR CUT DIAGRAM
 Order v3 bars full length; Layout in field according to diagram. Cut v3 bars along cut line. Use remainder of each bar in opposite face.



BAR u



WINGWALL ELEVATION
(Showing Reinforcement)
 * See v3-bar cut diagram



BEARING SEAT DIAGRAM