NOTES

All exposed edges shall have standard ¾" chamfer.
Space reinforcement in cap to miss beam anchor dowels.
Wingwalls and Backwalls may, at the contractor's option, be cast monolithically.

PILE DATA

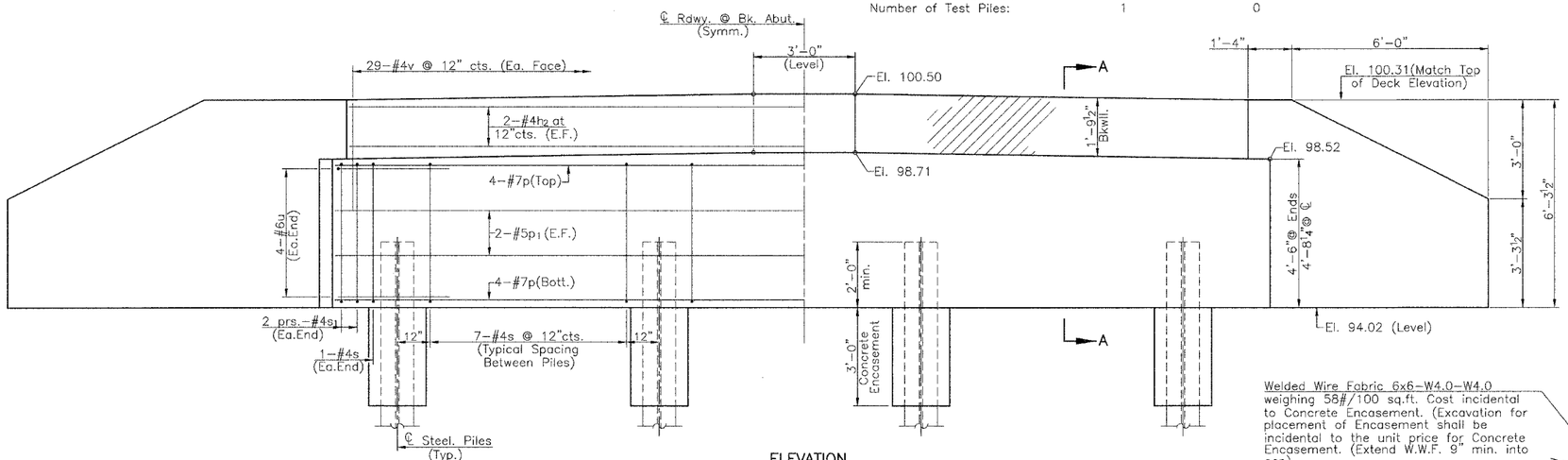
	N. Abut.	S. Abut.
Pile Type & Size:	Steel HP 10x42	Steel HP 10x42
Nominal Required Bearing:	335 kips	335 kips
Allowable Resistance Available:	Driven to Refusal	Driven to Refusal
Estimated Pile Length:	13'	13'
Number of Production:	3	4
Number of Test Piles:	1	0

Note: Hatched area and wingwalls shall be poured after deck beams are anchored in place. Quantity for Concrete Structures is included in Bill of Material, this sheet.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 142	*	JERSEY	8	7
PROJECT BROS-083(039)				

* 05-05112-00-BR

CONTRACT NO. 97292

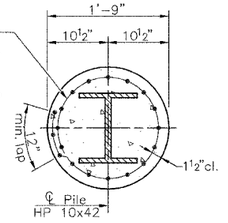


Reinforcement

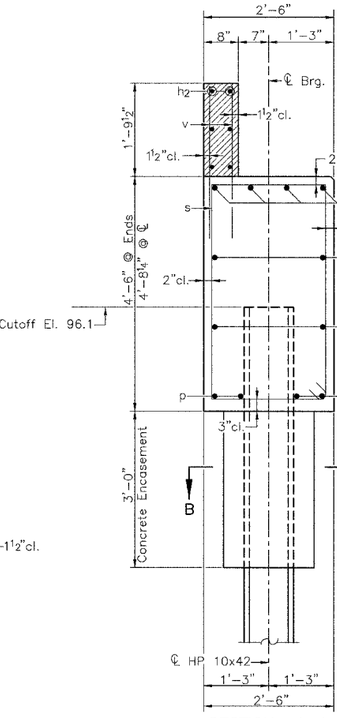
ELEVATION
(S. Abut. Looking South)
(N. Abut. Looking North)

Dimensions

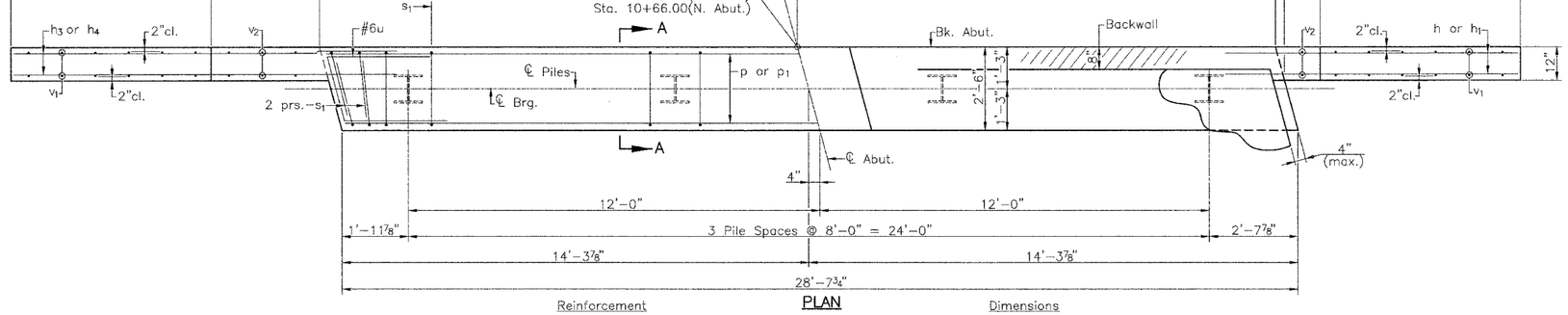
Welded Wire Fabric 6x6-W4.0-W4.0 weighing 58#/100 sq.ft. Cost incidental to Concrete Encasement. (Excavation for placement of Encasement shall be incidental to the unit price for Concrete Encasement. (Extend W.W.F. 9" min. into cap).



SECTION B-B



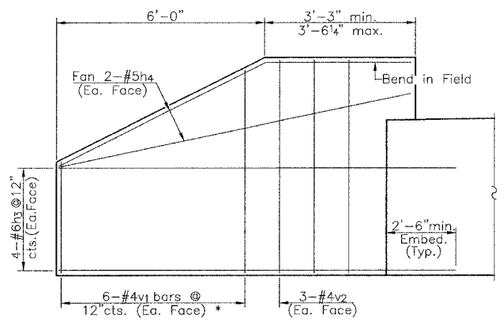
SECTION A-A



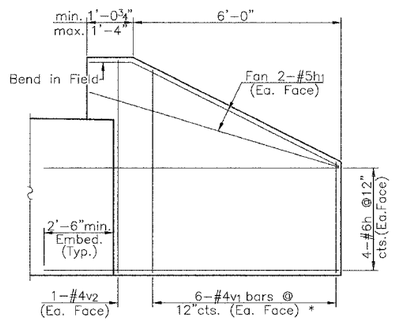
Reinforcement

PLAN

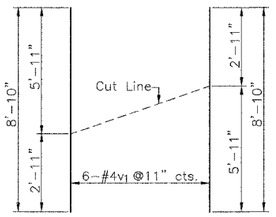
Dimensions



WINGWALL ELEVATION (N.W. & S.E.)
(Showing Reinforcement)
* See v_1 -bar cut diagram

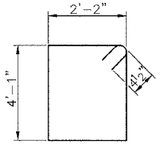


WINGWALL ELEVATION (N.E. & S.W.)
(Showing Reinforcement)
* See v_1 -bar cut diagram

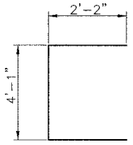


v_1 — BAR CUT DIAGRAM

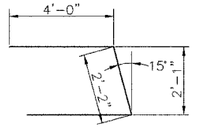
Order v_1 bars full length: Layout in field according to diagram. Cut v_1 bars along cut line. Use remainder of each bar in opposite face.



BAR s



BAR s1



BAR u

TWO ABUTMENTS
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h	16	#6	9'-8"	——
h1	8	#5	7'-6"	——
h2	8	#4	32'-0"	——
h3	16	#6	11'-10"	——
h4	8	#5	9'-4"	——
p	16	#7	28'-4"	——
p1	8	#5	28'-4"	——
s	46	#4	13'-3"	☐
s1	16	#4	8'-5"	⊏
u	16	#6	10'-2"	⊐
v	116	#4	3'-3"	——
v1	24	#4	8'-11"	——
v2	16	#4	5'-11"	——

Concrete Structures	Cu. Yd.	34.0
Reinforcement Bars	Pound	3190
Furnishing Steel Piles, HP10x42	Foot	91
Driving Piles	Foot	91
Test Pile, Steel HP 10x42	Each	1
Concrete Encasement	Cu. Yd.	2.2
Structure Excavation	Cu. Yd.	102

ABUTMENTS
T.R. 140 OVER BRANCH OF LITTLE PIASA CREEK
SECTION 05-05112-00-BR
JERSEY COUNTY

FILENAME: JC140AB (REV. 12/12/06)

ALLEN HENDERSON & ASSOCIATES, INC. CONSULTING CIVIL AND STRUCTURAL ENGINEERS SPRINGFIELD,IL. PHONE: (217) 544-8033