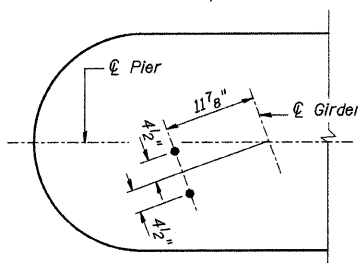


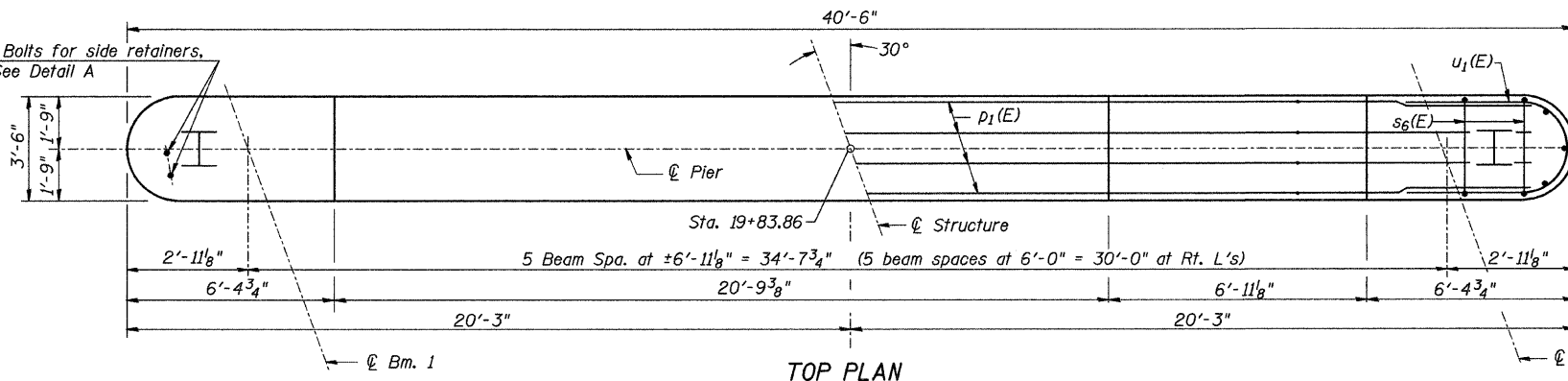
Notes:

All edges shall have standard $\frac{3}{4}$ " chamfer.
Pour steps monolithically with cap.
Space reinforcement to miss anchor bolts.
See Sh 17 of 22 for pile details.

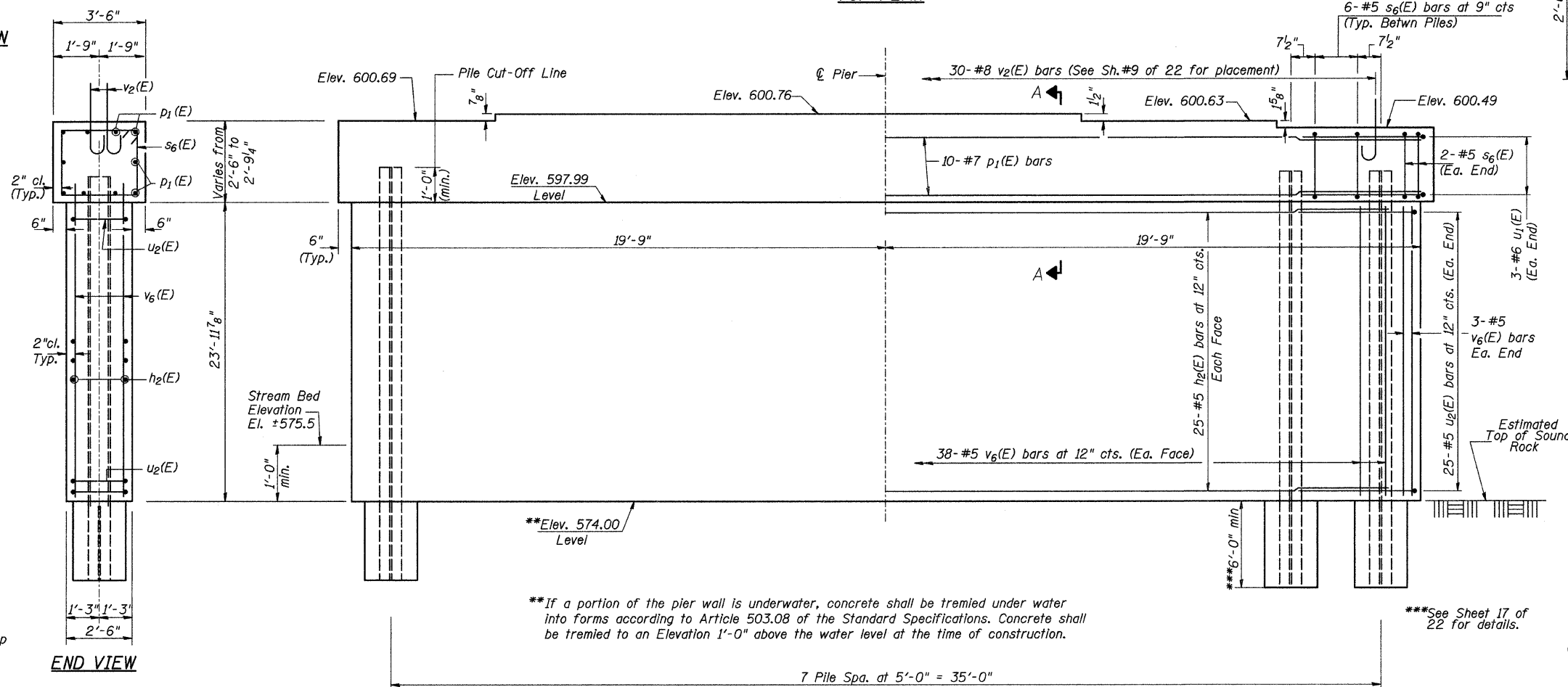


DETAIL A
ANCHOR BOLT LOCATION

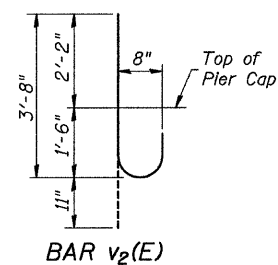
1" x 15" Anchor Bolts for side retainers.
Ea. End of Pier, See Detail A



TOP PLAN



ELEVATION
(Looking East)

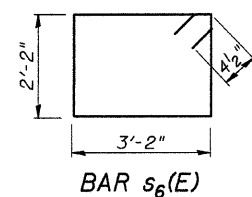


BAR $v_2(E)$

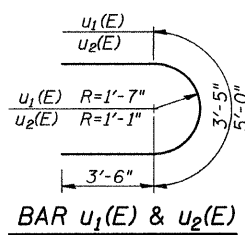
END VIEW

PILE DATA

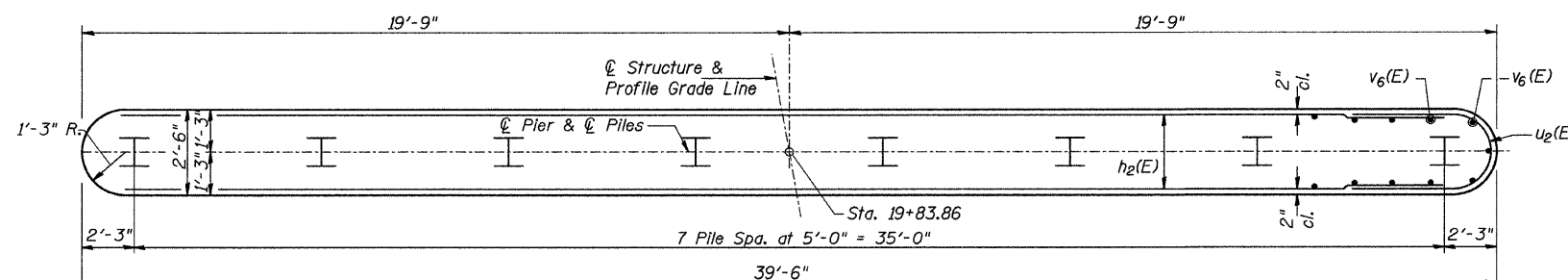
Type & Size: Steel HP12x63
Nominal Required Bearing: Set in Rock (497 kips)
Factored Resistance Available: (249 kips)
Est. Length: 31'
No. Required: 8



BAR $s_6(E)$

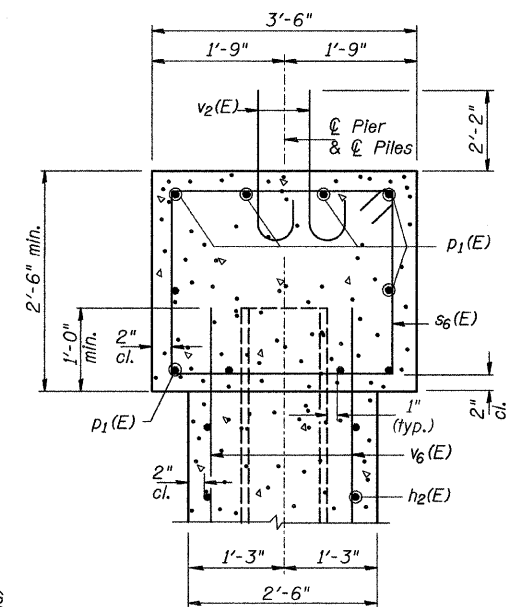


BAR $u_1(E)$ & $u_2(E)$



FOOTING PLAN

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15
CH 33	*	LASALLE	53	24	OF 22 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT	BRS-1365(111)		
*05-00626-00-BR			CONTRACT #87368		



SECTION A-A

PIER #1
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
$h_2(E)$	50	#5	37'-0"	—
$p_1(E)$	10	#7	37'-0"	—
$s_6(E)$	46	#5	11'-5"	□
$u_1(E)$	6	#6	12'-0"	U
$u_2(E)$	50	#5	10'-5"	U
$v_2(E)$	30	#8	4'-7"	—
$v_6(E)$	82	#5	25'-0"	—
Concrete Structures				CU YD 100.4
① Reinforcement Bars, Epoxy Coated				POUND 6,390
Structure Excavation				CU YD 25
Furnishing Steel Piles HP12x63				FOOT 248
① Setting Piles in Rock				EACH 8
① Underwater Structure Excavation Protection, Location 1				EACH 1

① See Special Provisions

Note: The Pier Stem at each location shall rest on sound rock, but at an elevation no higher than 1' below the proposed streambed elevation. Should rock be encountered above this elevation, the rock shall be excavated to this minimum elevation to provide a level bearing for the stem. Should sound rock be encountered below this elevation the stem shall be extended to sound rock which has been excavated to provide a level bearing. Bottom of stem elevations shown on the plan sheets represent conditions anticipated based on the available subsurface information. Should either stem need to be adjusted from the elevations shown, the stem height and effected reinforcement lengths and/or number of bars required shall be adjusted accordingly.

PIER #1