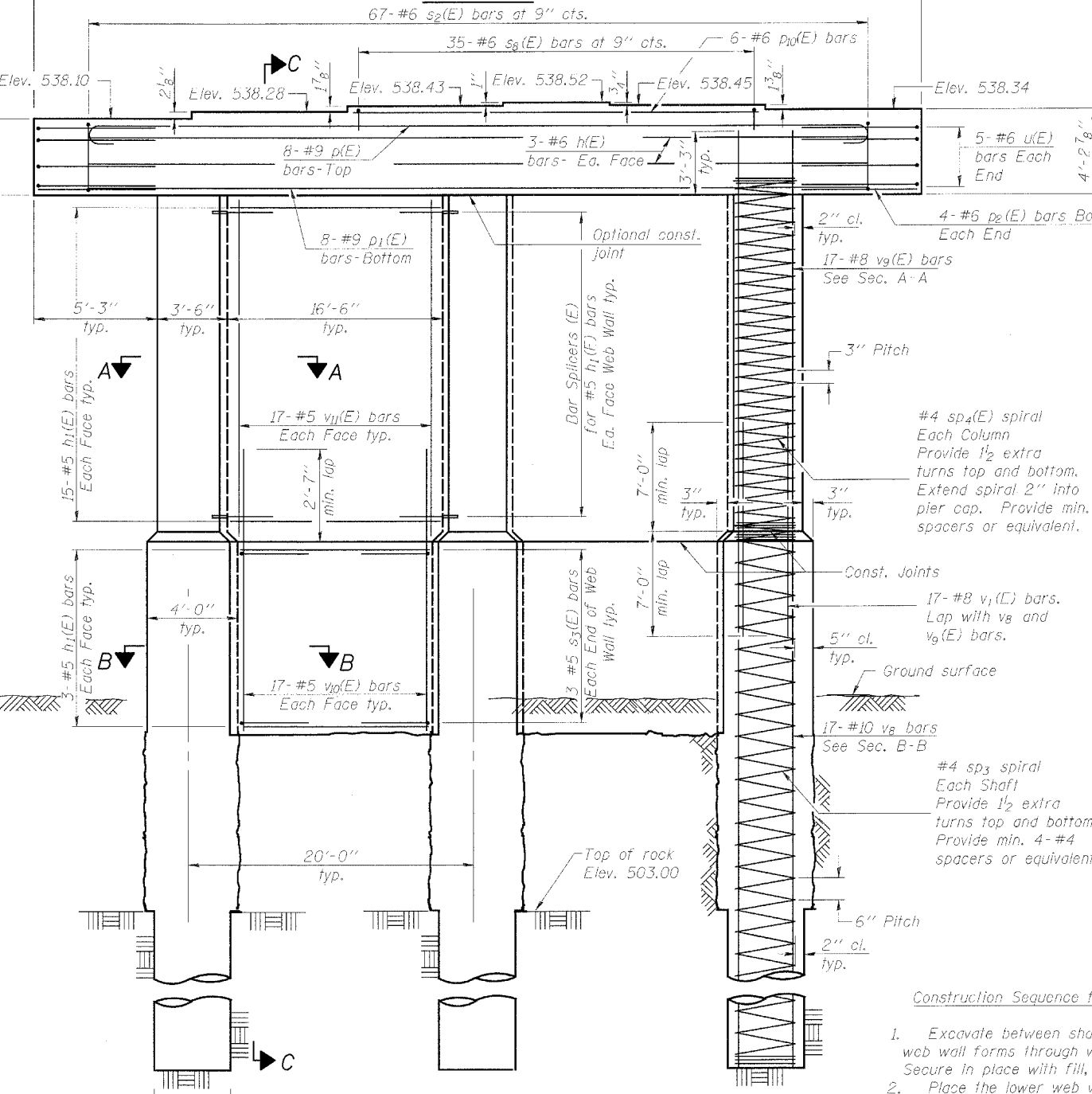
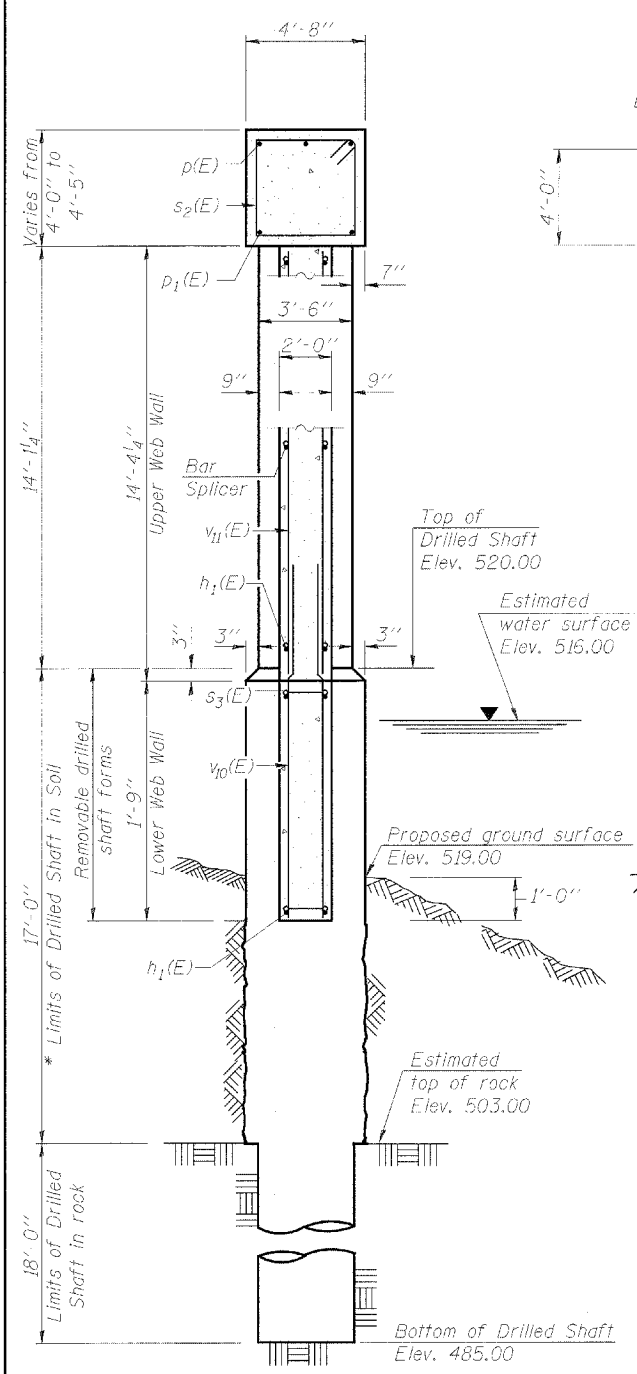
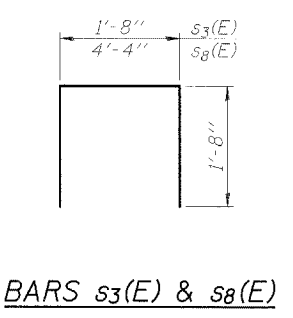
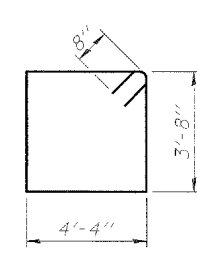
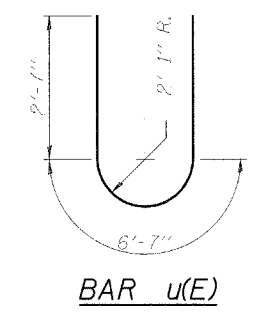
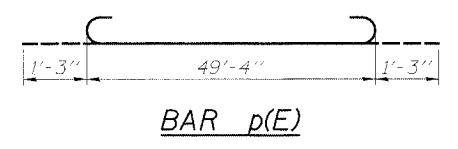
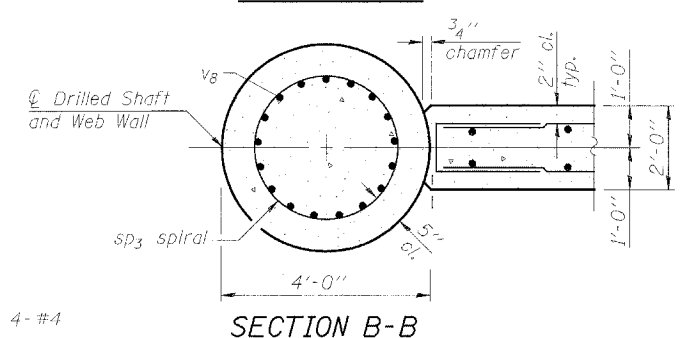
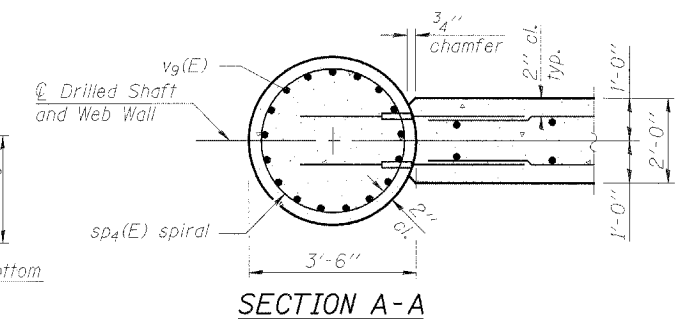


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#6	49'-4"	—
h ₁ (E)	72	#5	15'-8"	—
p(E)	8	#9	51'-10"	U
p ₁ (E)	8	#9	49'-4"	—
p ₂ (E)	8	#6	6'-0"	—
p ₃ (E)	6	#6	25'-3"	—
s ₂ (E)	67	#6	17'-4"	□
s ₃ (E)	12	#5	5'-0"	□
s ₈ (E)	35	#6	7'-8"	□
sp ₃	3	#4	34'-8"	⋈
sp ₄ (E)	3	#4	14'-4"	⋈
u(E)	10	#6	11'-9"	U
v ₁ (E)	51	#8	14'-0"	—
v ₈	51	#10	34'-8"	—
v ₉ (E)	51	#8	17'-3"	—
v ₁₀ (E)	68	#5	4'-4"	—
v ₁₁ (E)	68	#5	14'-0"	—
Underwater Structure Excavation Protection Location-3	Each		1	
Drilled Shaft in Soil 48" Dia.	Foot		51	
Drilled Shaft in Rock 42" Dia.	Foot		54	
Concrete Structures	Cu. Yd.		93.4	
Reinforcement Bars, Epoxy Coated	Pound		13820	
Reinforcement Bars	Pound		9050	
Bar Splicers	Each		120	



Construction Sequence for Web Wall:

- Excavate between shafts to elevation of web wall base and set lower web wall forms through water to bear on the circular edge of drilled shafts. Secure in place with fill, struts or tie forms together as required.
- Place the lower web wall reinforcement cage into the forms using spacers to maintain proper clearances.
- If the forms can be sealed against the shafts and streambed to allow dewatering, the reinforcement and the concrete placement may be completed in the dry. Alternatively, the rebar cage can be lowered into position through water and the concrete discharged at the base of the excavation through a tremie pipe or pump hose, displacing water, sediment, and tainted concrete out the top of the forms.
- Construct Columns.
- Construct upper web walls.

* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

PIER 2 DETAILS - W.B. STRUCTURE
ILLINOIS ROUTE 336 OVER
EAST FORK OF THE LAMOINE RIVER
F.A.P. ROUTE 315 - SECTION 34-6, 55-1
HANCOCK COUNTY; STA. 1432+02.61
STRUCTURE NO. 034-0511 (E.B.)
STRUCTURE NO. 034-0512 (W.B.)

DESIGNED	KLH
CHECKED	EML
DRAWN	FMI
CHECKED	KLH

