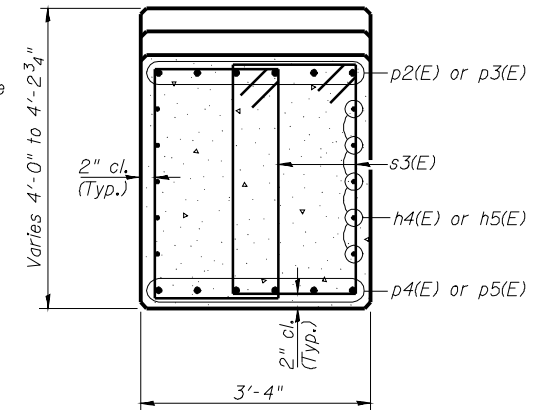


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

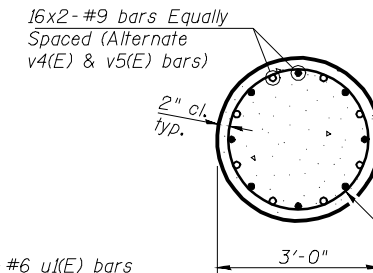
IL Rte. 78
Pier No. 2
Sta. 863+07.25

BAR SPLICER PLACEMENT

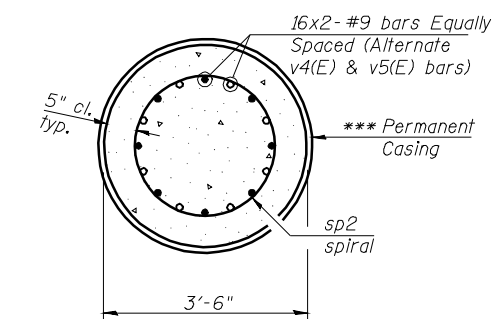
- ① = 6-Bar Splicers (E) for #9 bars Top
② = 6-Bar Splicers (E) for #8 bars Bottom
③ = 5-Bar Splicers (E) for #5 bars Each Side



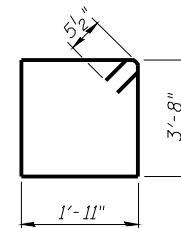
SECTION A-A



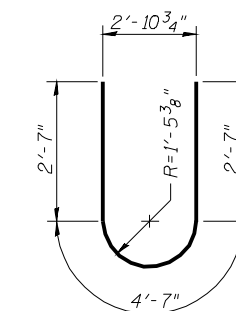
SECTION B-B



SECTION C-C



BAR s3(E)



BAR u1(E)

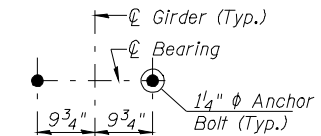
BILL OF MATERIAL (Pier 2)

Bar	No.	Size	Length	Shape
h4(E)	10	#5	15'-3"	—
h5(E)	10	#5	18'-3"	—
p2(E)	6	#9	15'-3"	—
p3(E)	6	#9	18'-3"	—
p4(E)	6	#8	15'-3"	—
p5(E)	6	#8	18'-3"	—
s3(E)	82	#5	12'-1"	⊠
sp2	4	#5	69'-0"	⋈
sp3(E)	4	#5	5'-6"	⋈
u1(E)	8	#6	9'-9"	U
v4(E)	64	#9	49'-0"	—
v5(E)	64	#9	34'-0"	—
Concrete Structures			Cu. Yd.	23.8
Reinforcement Bars, Epoxy Coated			Pound	21360
Reinforcement Bars			Pounds	6070
Drilled Shaft in Soil			Cu. Yd.	85.5
Drilled Shaft in Rock			Cu. Yd.	9.4
Permanent Casing			Foot	224

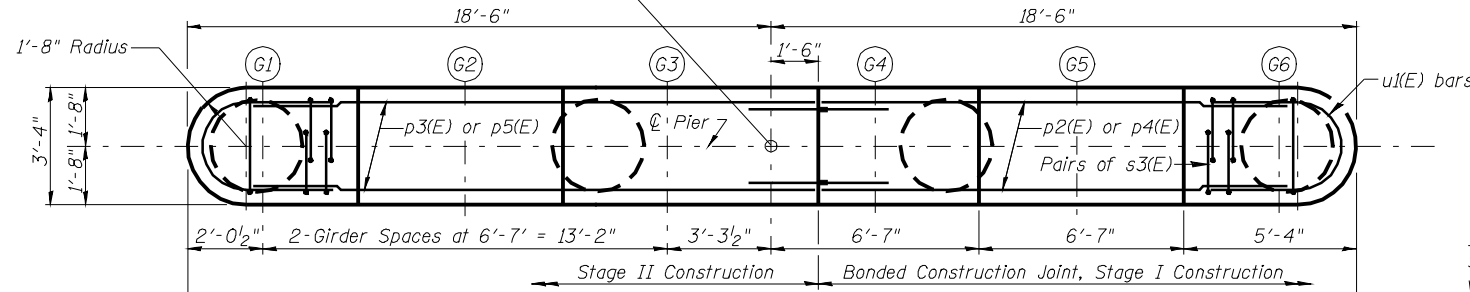
Cast steps monolithically with cap.
Space cap reinforcement to miss anchor bolts.
Minimum lap for spirals = 2'-6"
** Length is height of spiral.

Note Well:
Casings shall not be installed using vibratory methods within 30 feet of any part of an existing foundation. See the special provisions for Drilled Shaft Casing Installation.

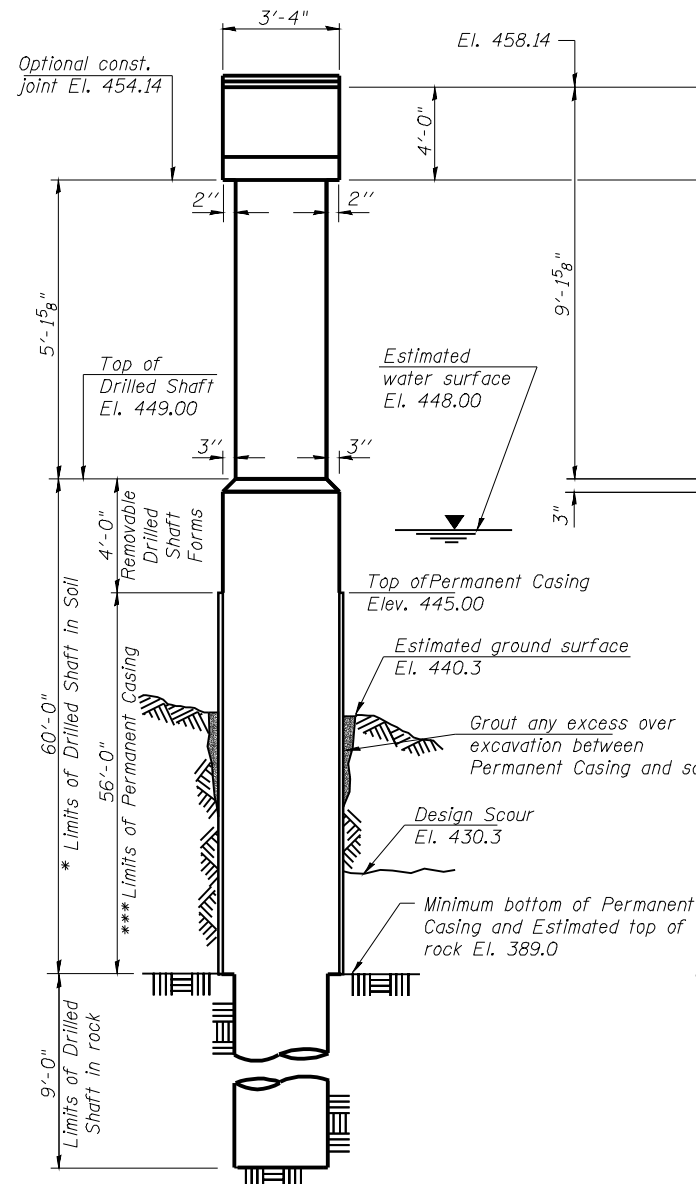
PIER NO. 2
F.A.P. 614 (IL 78) OVER WOLF LAKE
(PUBLIC BODY OF WATER)
SECTION 144 (B-2)
MASON COUNTY
STA. 862+41.25
STRUCTURE NUMBER 063-0500



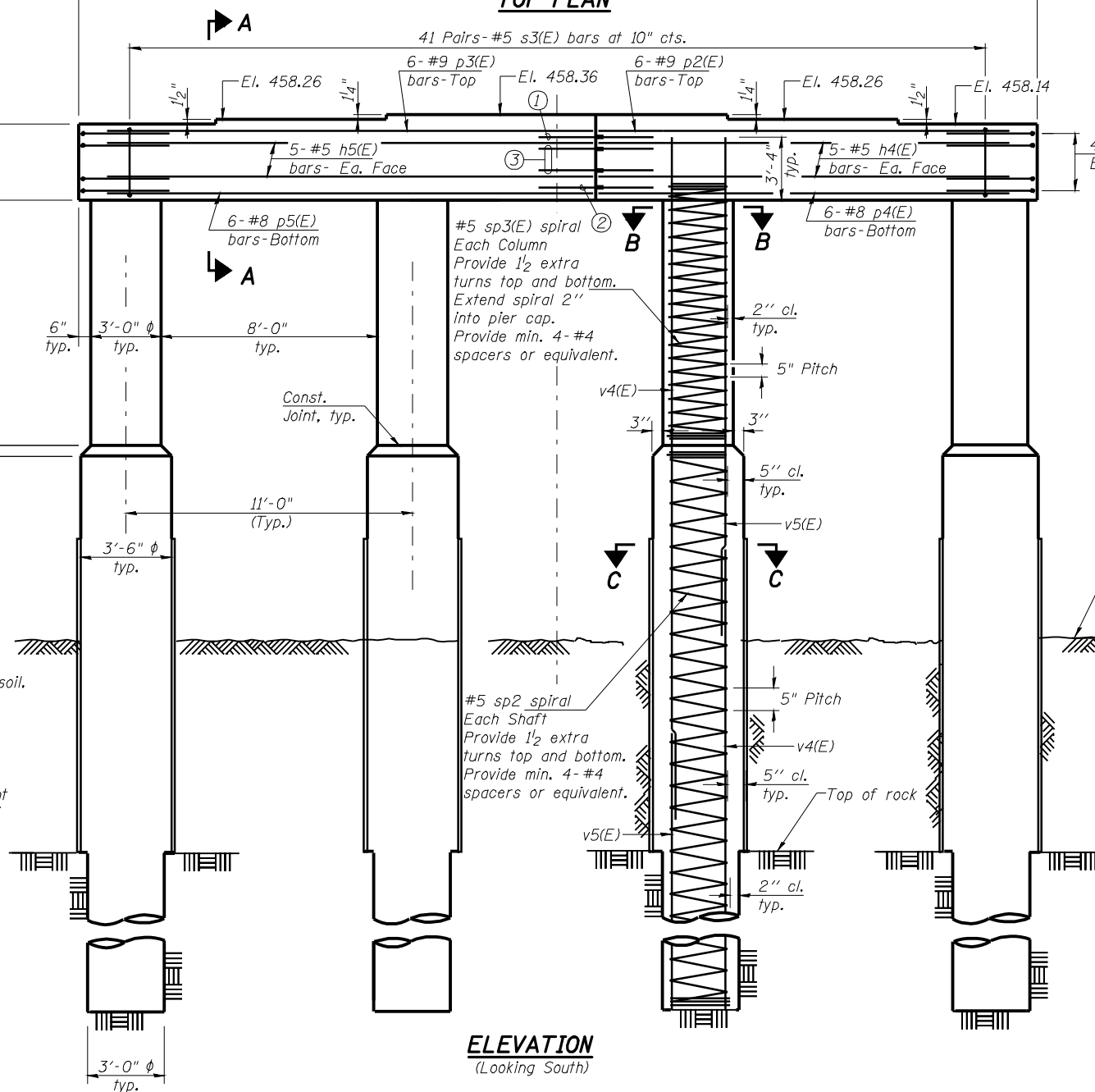
ANCHOR BOLT LAYOUT
(Typical all Girder Locations)



TOP PLAN



END VIEW



ELEVATION
(Looking South)

*** Contractor is responsible for determining the casing thickness and the actual tip elevation to be used. See Article 516.06(d) of the Standard Specifications.
Pay limits for the Permanent Casing shall be based on the minimum length shown.

* 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.

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JOB NO.
07S2026
SHEET NO. 23
29 SHEETS
DATE
03/27/09

F.A. RTE. 614	SECTION 144(B-1, B-2)	COUNTY Mason	TOTAL SHEETS 351	SHEET NO. 130
CONTRACT NO. 72A76				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				