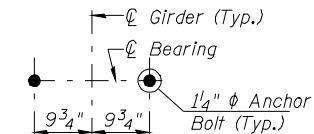


LAYOUT	MMW	11/13/08
DRAWN	ROD	12/15/08
REVIEWED	TER	12/15/08

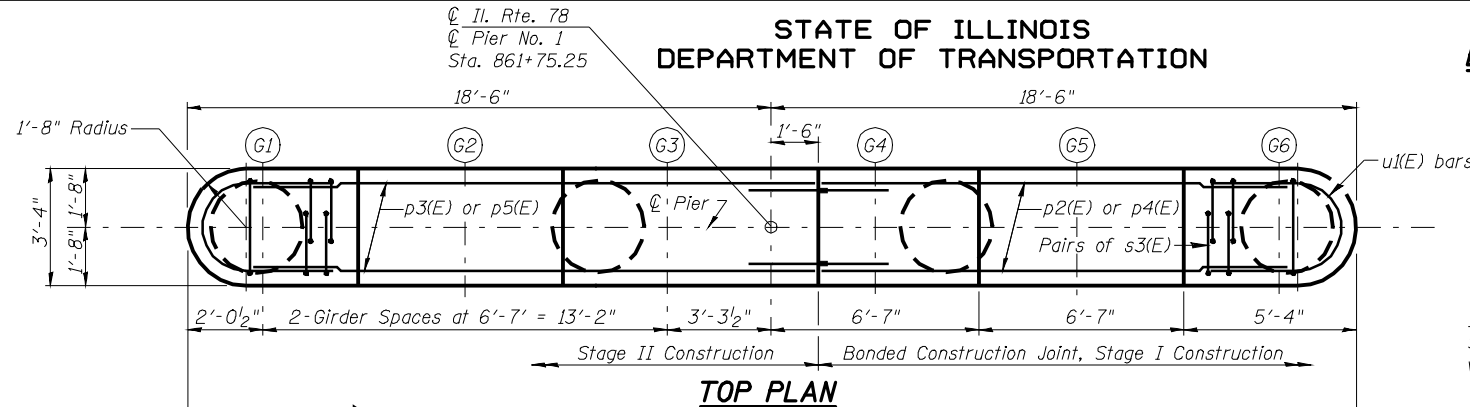
Min: 3/2008 0755092M
 GSM: 304498 063-0500 Master Sheet File.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

Il. Rte. 78
 Pier No. 1
 Sta. 861+75.25



ANCHOR BOLT LAYOUT
 (Typical all Girder Locations)

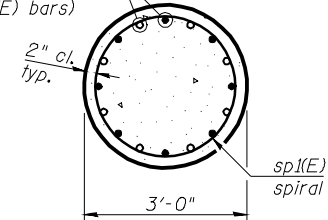


TOP PLAN

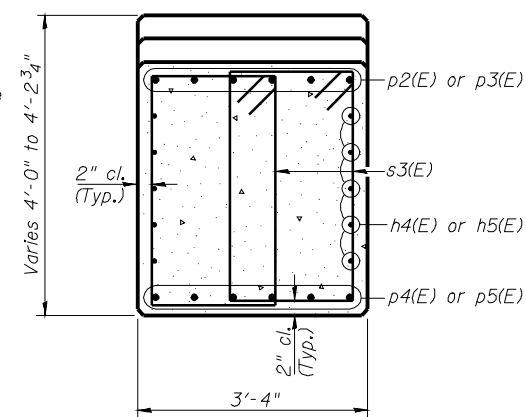
BAR SPLICER PLACEMENT

- 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

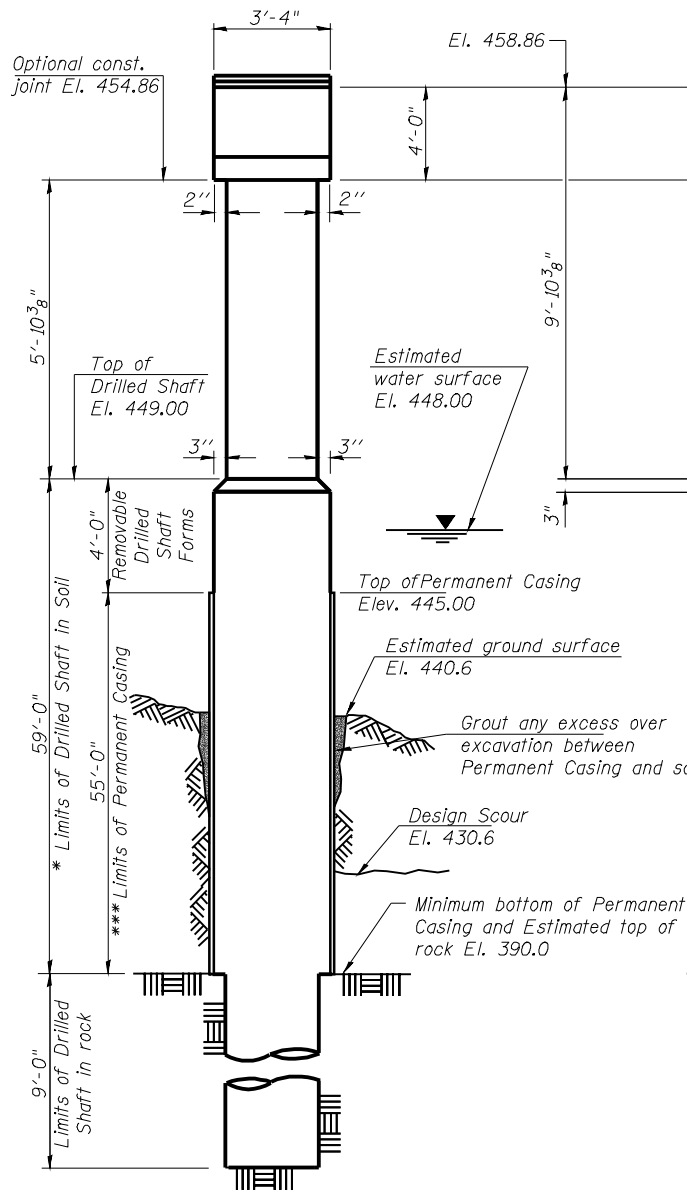
16x2-#9 bars Equally Spaced (Alternate v4(E) & v5(E) bars)



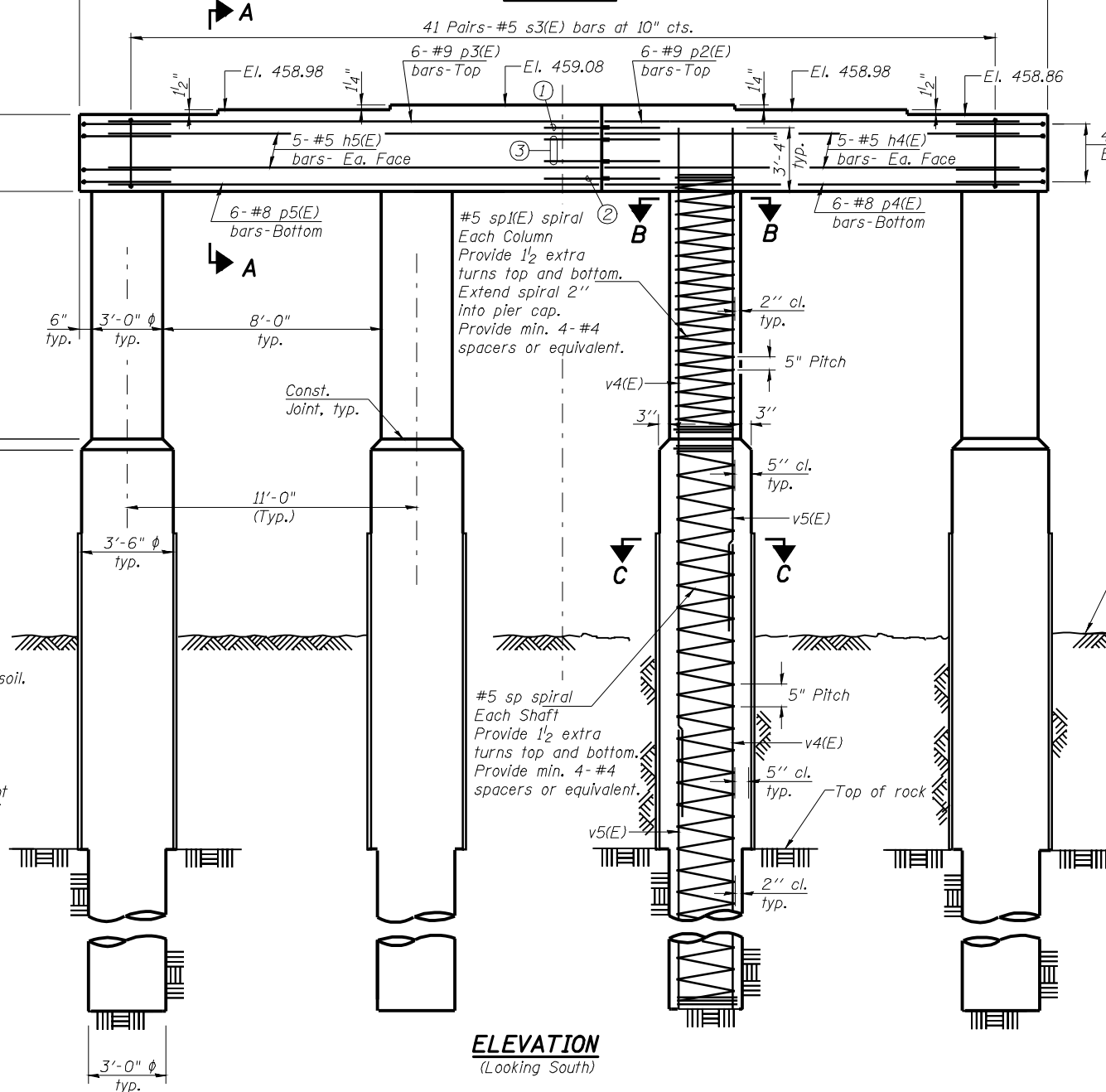
SECTION B-B



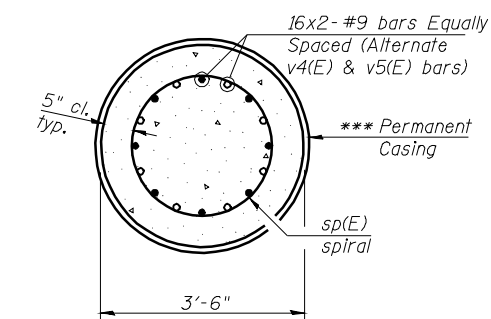
SECTION A-A



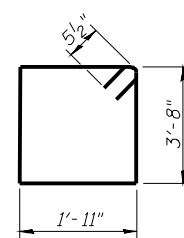
END VIEW



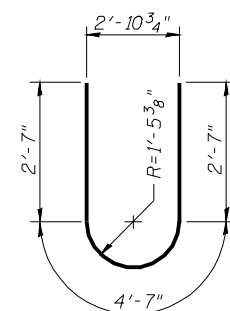
ELEVATION
 (Looking South)



SECTION C-C



BAR s3(E)



BAR u1(E)

BILL OF MATERIAL (Pier 1)

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"	□
sp	4	#5	68'-0"	⋈
sp1(E)	4	#5	6'-0"	⋈
u1(E)	8	#6	9'-9"	—
v4(E)	64	#9	49'-0"	—
v5(E)	64	#9	34'-0"	—
Concrete Structures			Cu. Yd.	24.6
Reinforcement Bars, Epoxy Coated			Pound	21410
Reinforcement Bars			Pounds	5980
Drilled Shaft in Soil			Cu. Yd.	84.1
Drilled Shaft in Rock			Cu. Yd.	9.4
Permanent Casing			Foot	220

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. 1
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

*** 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. 22	F.A. RTE. 614	SECTION 144(B-1, B-2)	COUNTY Mason	TOTAL SHEETS 351	SHEET NO. 129
DATE 03/27/09	29 SHEETS	CONTRACT NO. 72A76				
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		