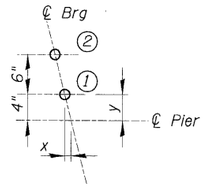
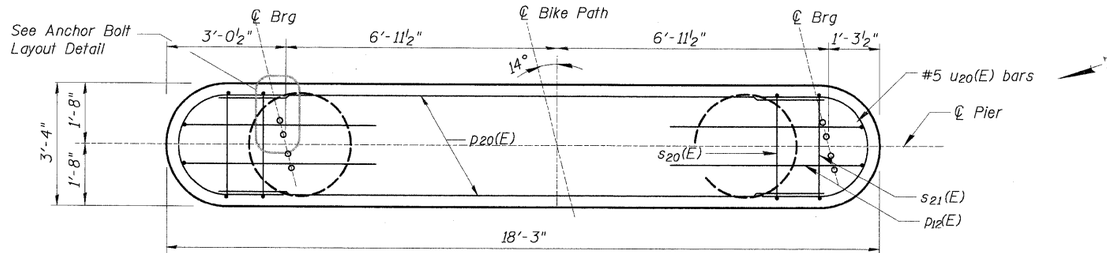
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

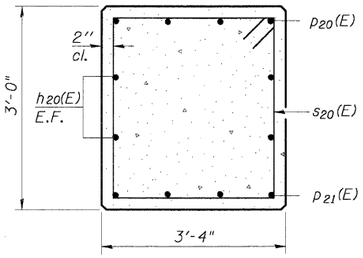
	x	y
1	1"	4"
2	2.5"	10"



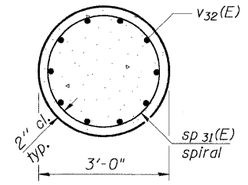
ANCHOR BOLT LAYOUT DETAIL



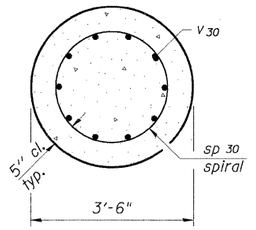
TOP PLAN



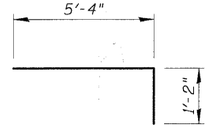
SECTION A-A



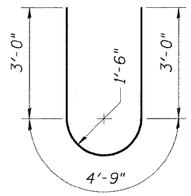
SECTION B-B



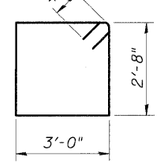
SECTION C-C



BAR p12(E)



BAR u20(E)



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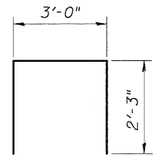

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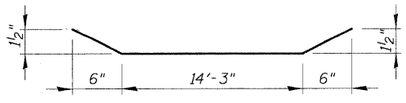
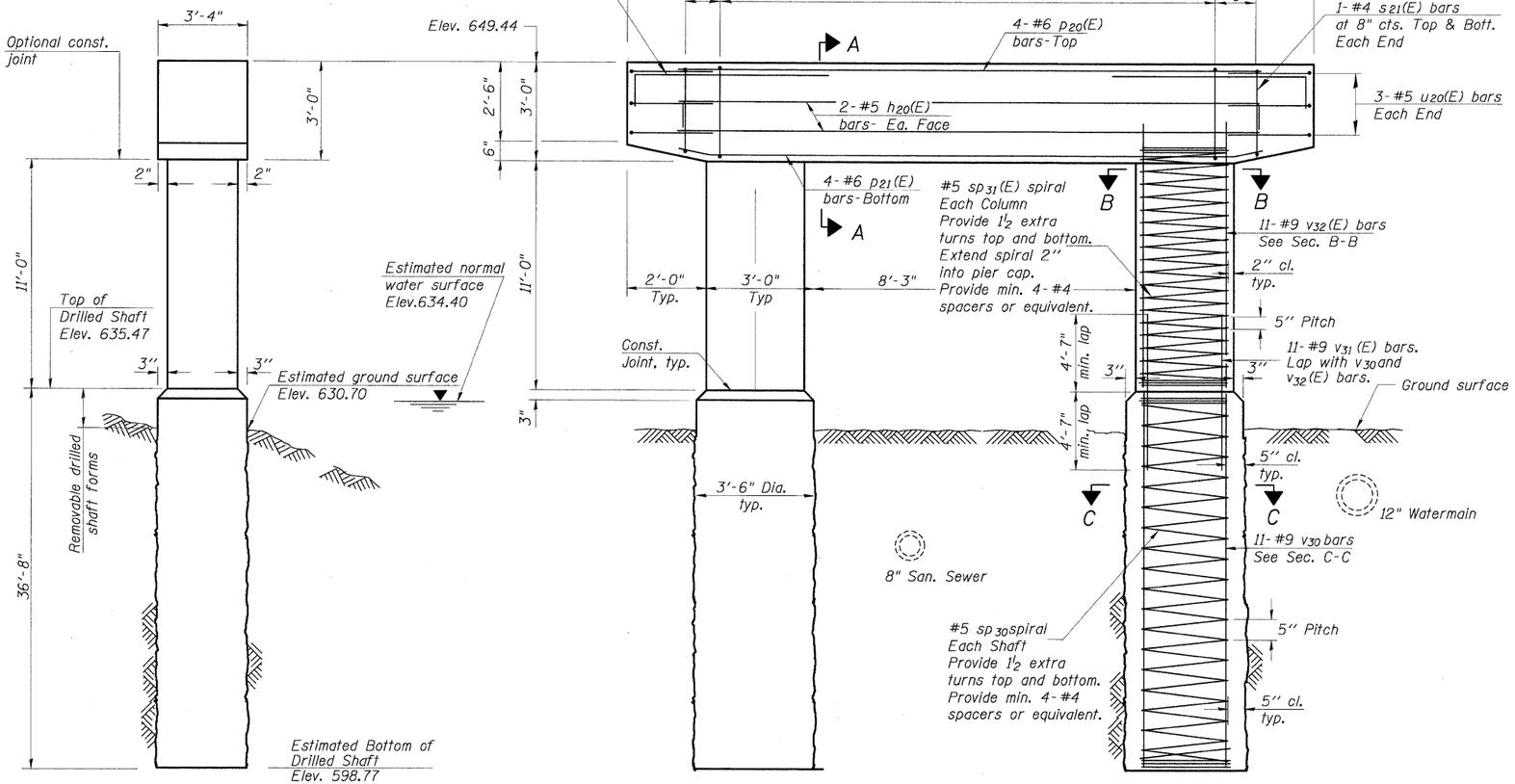


BAR p21(E)



ELEVATION
(Looking East)

END VIEW

* 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.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h20(E)	4	#5	14'-11"	
p12(E)	4	#7	6'-6"	
p20(E)	4	#6	14'-11"	
p21(E)	4	#6	15'-3"	
s20(E)	21	#4	12'-1"	
s21(E)	4	#4	7'-6"	
** sp30	2	#5	38'-6"	
** sp31(E)	2	#5	11'-3"	
u20(E)	6	#5	10'-9"	
v30	11	#9	36'-8"	
v31(E)	11	#9	9'-6"	
v32(E)	11	#9	13'-8"	
Concrete Structures		Cu. Yd.	12.2	
Reinforcement Bars, Epoxy Coated		Pound	1940	
Reinforcement Bars		Pounds	3010	
Drilled Shaft in Soil		Cu. Yd.	26	

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

DESIGNED -	
CHECKED -	
DRAWN -	
CHECKED -	

200

EXAMINED

PASSED

ENGINEER OF BRIDGE DESIGN

ENGINEER OF BRIDGES AND STRUCTURES

PIER 3 DETAILS
DEERFIELD ROAD BIKE PATH
OVER DES PLAINES
SEC. 04-00038-03-BR
LAKE COUNTY
STATION 4+77.30
STRUCTURE NO.

SHEET NO. S-6 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1257	04-00038-03-BR	LAKE	~~44~~ 40	25
			CONTRACT NO. 63408		
	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

N:\LCDOT\86377A\Struct\86377A-S6.SHT