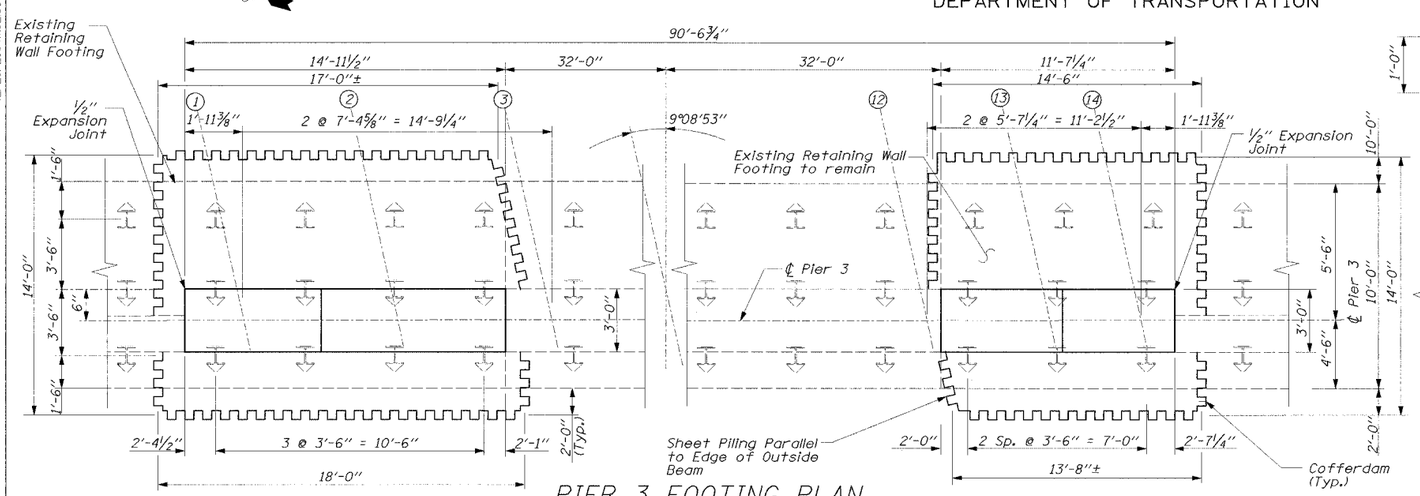
12/28/2004 10:02:36 AM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

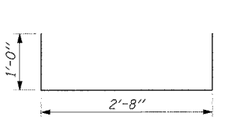
CONTRACT 62829

F.A.P. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2004-088B	COOK	145	113
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT:		

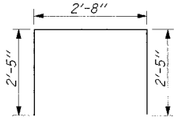
SHEET NO. SB-30
OF SHEETS SB-44



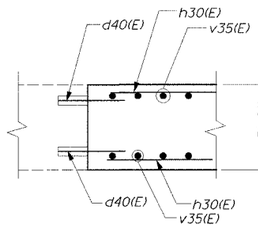
PIER 3 FOOTING PLAN



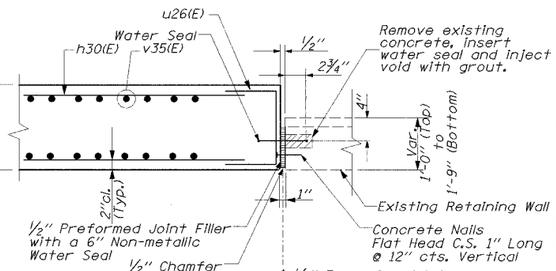
u25(E) Bar



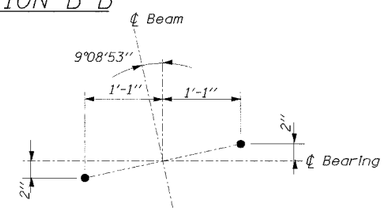
u26(E) Bar



SECTION C-C

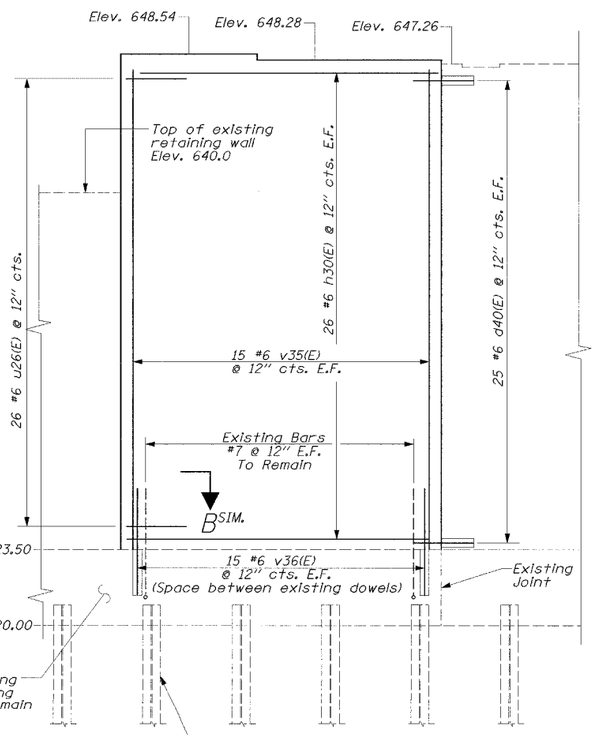


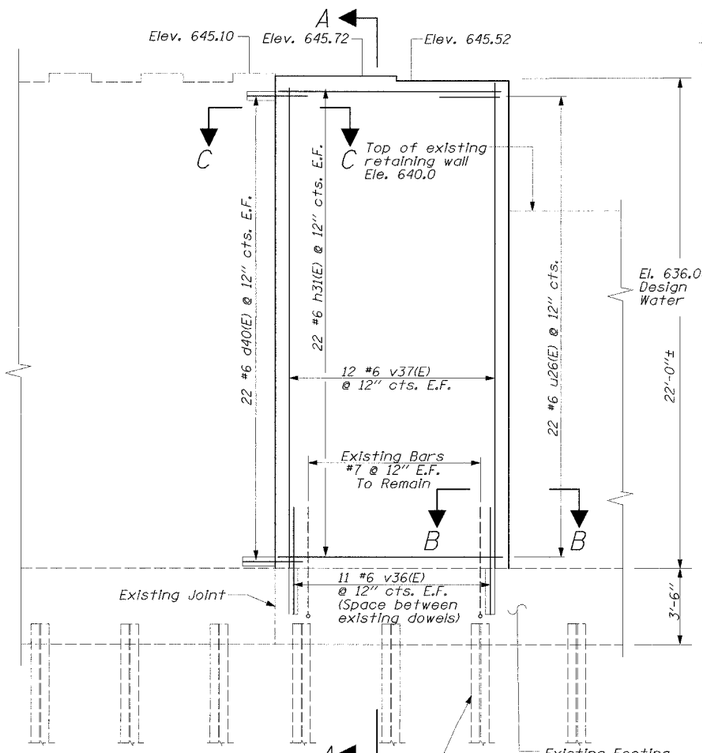
SECTION B-B



ANCHOR BOLT LAYOUT PLAN

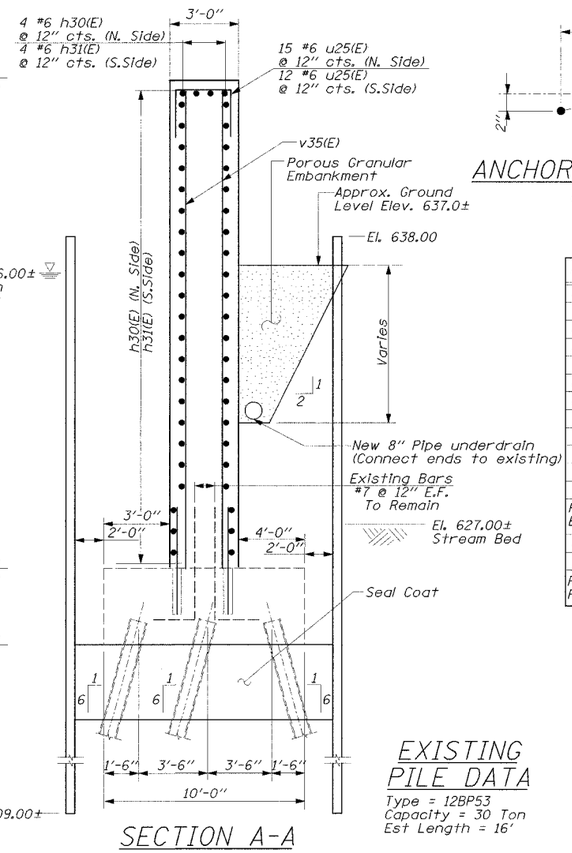
(Typ. at all Beams)





PIER 3 ELEVATION

(Looking East)



SECTION A-A

BILL OF MATERIAL

Bar	No	Size	Length	Shape
d40(E)	94	#6	2'-6"	——
h30(E)	56	#6	14'-9"	——
h31(E)	48	#6	11'-5"	——
u25(E)	27	#6	4'-8"	⌊⌋
u26(E)	48	#6	7'-6"	⌊⌋
v35(E)	30	#6	24'-7"	——
v36(E)	52	#6	5'-6"	——
v37(E)	24	#6	21'-10"	——
Reinforcement Bars, Epoxy Coated		Lbs.	5480	
Concrete Structures		Cu. Yd.	75	
Structure Excavation		Cu. Yd.	80	
Pipe Drains, Perforated PVC, 8 inch		Foot	35	

EXISTING PILE DATA

Type = 12BP53
Capacity = 30 Ton
Est Length = 16'

NOTES:

1. Epoxy grout d40(E) and v36(E) bars in drilled holes according to Article 584 of the Standard Specifications. Space drilled holes to miss existing reinforcement.
2. A water surface elevation of 636.00 will be the basis for the cofferdam design. It is the Contractor's responsibility to provide a design and computations for the cofferdam, including sheet piling, wales and bracing, verification of seal coat shown, and other required appurtenances, subject to the approval of the Engineer.
3. Space reinforcement in cap to miss anchor bolts.
4. Pour steps monolithically with cap.

DESIGNED	EL
CHECKED	JAS
DRAWN	ABW
CHECKED	EL

PIER 3
WILLOW ROAD OVER
DES PLAINES RIVER
F.A.P. RTE. 305
SECTION 2004-088B
COOK COUNTY
STA. 397+76.18
STR. NO. 016-0530

EDWARDS AND KELCEY

F:\CDOT\9301\Roads\Advance Contract\Adv\Structural\DesPlaines-Pier 3.dgn 3/dfeir-prins30.dgn