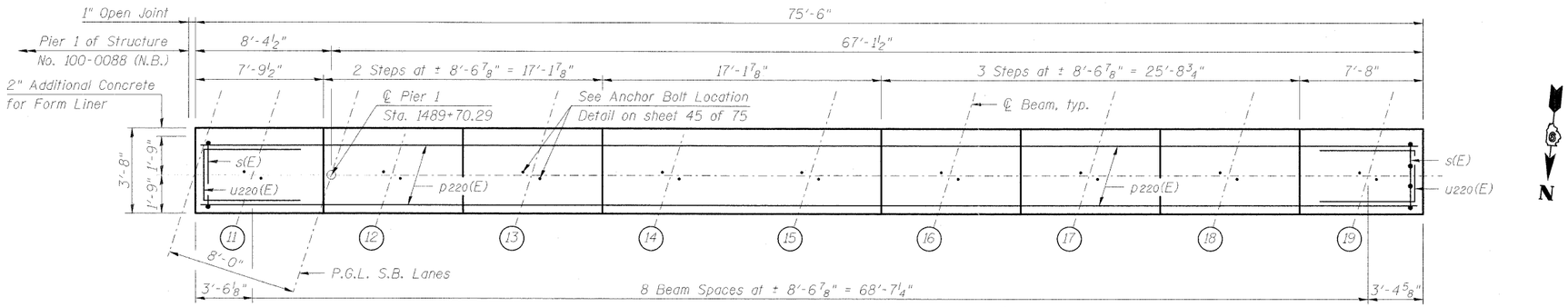


TOP PLAN

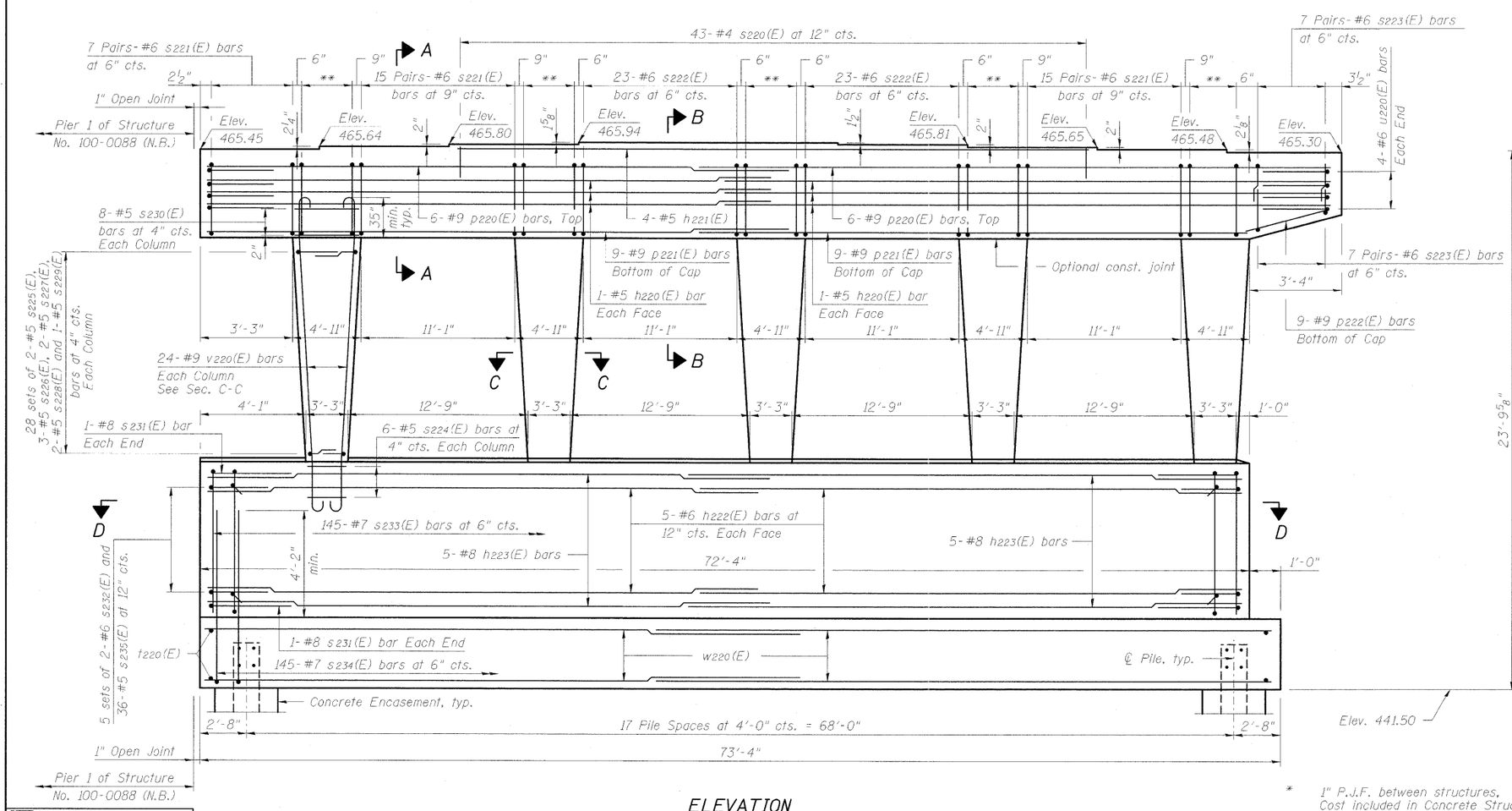
Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of piles and Concrete Encasement, see sheet 66 of 75.
For Bar Details, Bill of Material, Footing Plan, Sections A-A, B-B, C-C and D-D, see sheet 58 of 75.
For Aesthetic Treatment Details, see sheets 61 thru 63 of 75.
All surfaces of pier above proposed ground line shall be treated with concrete sealer.

PILE DATA

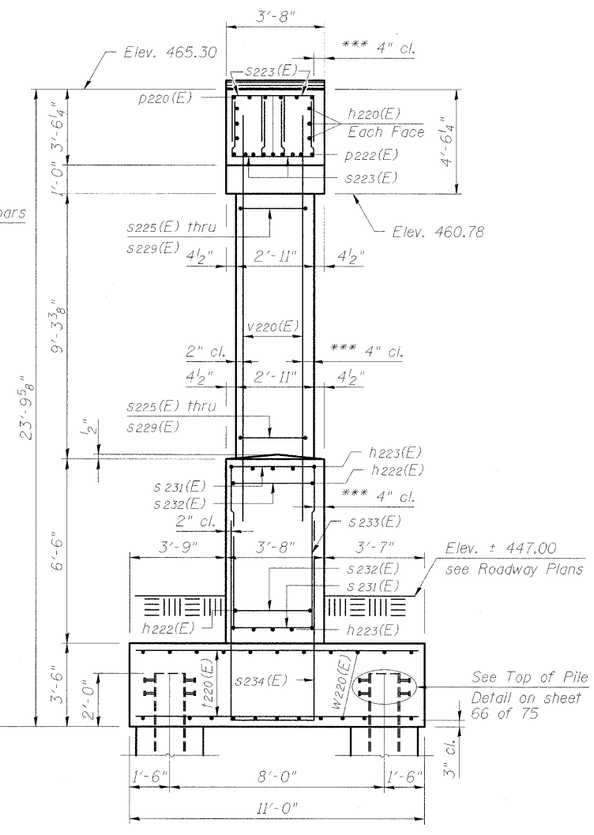
Type: Steel HP 14x89
Nominal Required Bearing: 659k
Factored Resistance Available: 363k
Est. Length: 28'
No. Production Piles: 36
No. Test Piles: 0
Estimated Top of Rock Elevation: 423.10

MIN. BAR LAP

#5 Bar = 3'-8"
#6 Bar = 4'-5"
#8 Bar = 7'-8"
#9 Bar = 9'-8"



ELEVATION
(Looking South)



END VIEW

* 1" P.J.F. between structures. Cost included in Concrete Structures.

** 5-#6 s222(E) at 12" cts.

*** 2" Additional Concrete for Form Liner.

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

FILE NAME = ...\1-57\046_PIER 1_SB.dgn	USER NAME = Rob Heady	DESIGNED - JDJ	REVISED -
		CHECKED - REB	REVISED -
	PLOT SCALE =	DRAWN - GLD	REVISED -
	PLOT DATE = 10/7/2011	CHECKED - REB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1
STRUCTURE NO. 100-0089 (S.B.)
SHEET NO. 57 OF 75 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6-2)HBK-2	WILLIAMSON	968	642
		CONTRACT NO. 78182		
		ILLINOIS FED. AID PROJECT		