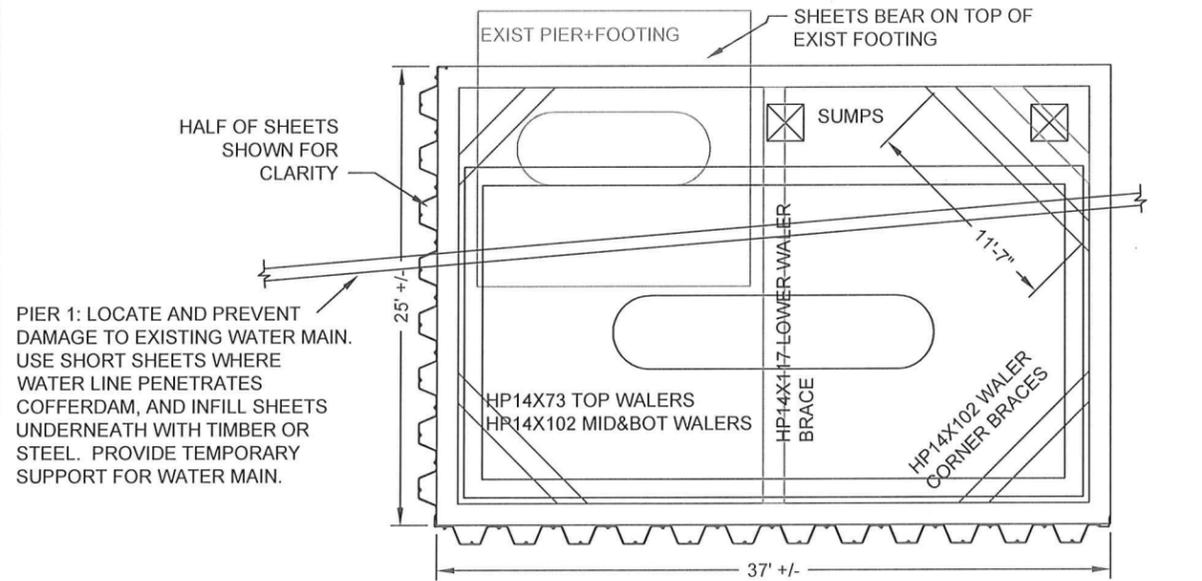


PIER 1: LOCATE AND PREVENT DAMAGE TO EXISTING BURIED HIGH-VOLTAGE ELECTRICAL CONDUIT.



PIER 1: LOCATE AND PREVENT DAMAGE TO EXISTING WATER MAIN. USE SHORT SHEETS WHERE WATER LINE PENETRATES COFFERDAM, AND INFILL SHEETS UNDERNEATH WITH TIMBER OR STEEL. PROVIDE TEMPORARY SUPPORT FOR WATER MAIN.

CONSTRUCTION SEQUENCE:

LOCATE WATER MAIN AND ELECTRICAL LINE.

DRIVE SHEETING TO REFUSAL AT BEDROCK.

EXCAVATE INSIDE COFFERDAM USING EXCAVATOR AND CRANE WITH CLAMSHELL OR SCALE PAN. DEWATER AS NEEDED. PROVIDE TEMPORARY SUPPORT FOR WATER LINE INSIDE COFFERDAM.

IF WATER FLOW INTO THE COFFERDAM BECOMES TOO GREAT TO PUMP, EXCAVATE IN THE WET AND INSTALL A CONCRETE TREMIE SEAL AS A SUBFOOTING (SEPARATE SUBMITTAL TO BE PROVIDED).

INSTALL WALER LINES AS EXCAVATION PROCEEDS BELOW THEIR LEVEL.

AFTER POURING SUBFOOTING, REMOVE THE BOTTOM WALER LINE AND BRACES FROM THREE SIDES NEXT TO SUBFOOTING. NEED TO BRACE FROM LONG WALL ON RIVER SIDE TO SUBFOOTING AS SHOWN.

AFTER POURING FOOTING AND PIER STEM, BACKFILL AND REMOVE COFFERDAM COMPONENTS IN SEQUENCE.

NOTES:

EQUIPMENT USED:
 CAT 324 OR 329 EXCAVATORS
 LINK-BELT 138 HSL 80-TON CRANE
 ICE 418 VIBRATORY HAMMER
 CLAMSHELL BUCKET

INSTALL COFFERDAMS AND CONSTRUCT NEW PIERS WHILE TRAFFIC IS ON EXISTING BRIDGE.

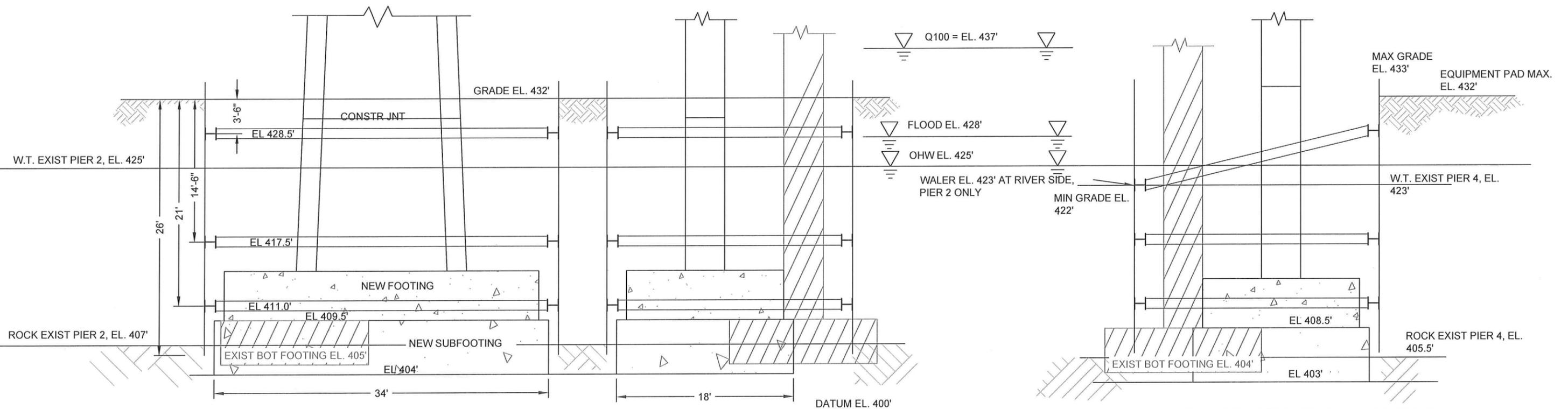
DO NOT CONSTRUCT TOP HALF OF PIERS UNTIL AFTER EXISTING BRIDGE IS REMOVED.

DEMOLISH EXISTING PIERS TO 2' BELOW GRADE.

DEWATER INTO A FILTER BAG OR SETTLING BASIN. PROVIDE FILTER AT SUMPS TO PREVENT PUMPING OF SOIL FINES.



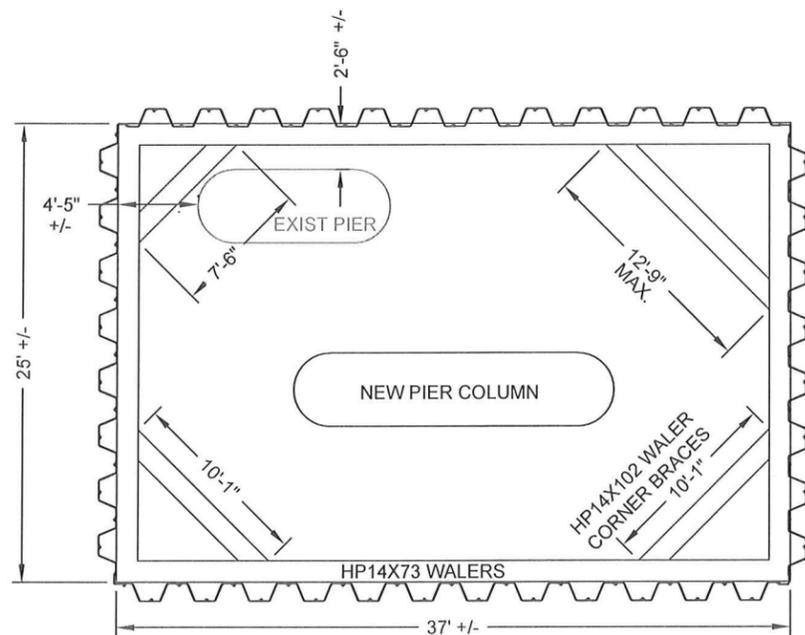
8-25-2015



PIER 1 (AT EXISTING PIER 2)

PIER 2 (AT EXISTING PIER 4)

REV:	TITLE: BRIDGE 46A COFFERDAMS	
	PROJECT: WATERBURY IM 089-2 (43)	
	SCALE: 1" = 10'	DATE: AUG. 25, 2015
	BECK & BELLUCCI, INC. FRANKLIN, NEW HAMPSHIRE	

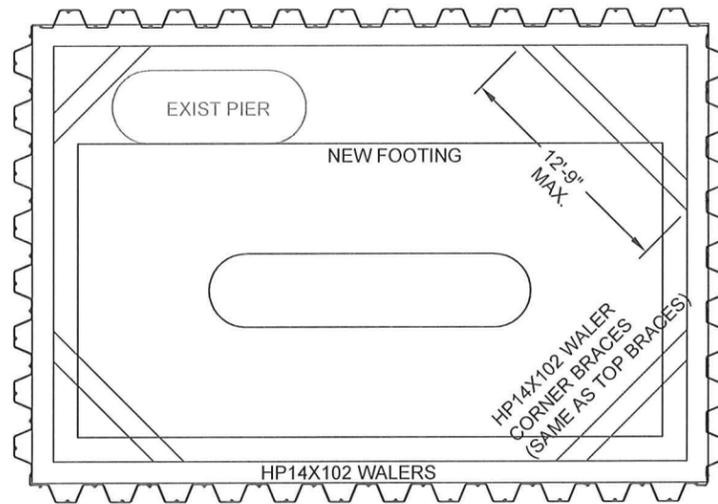


TOP WALER LINE, EL. 428.5'

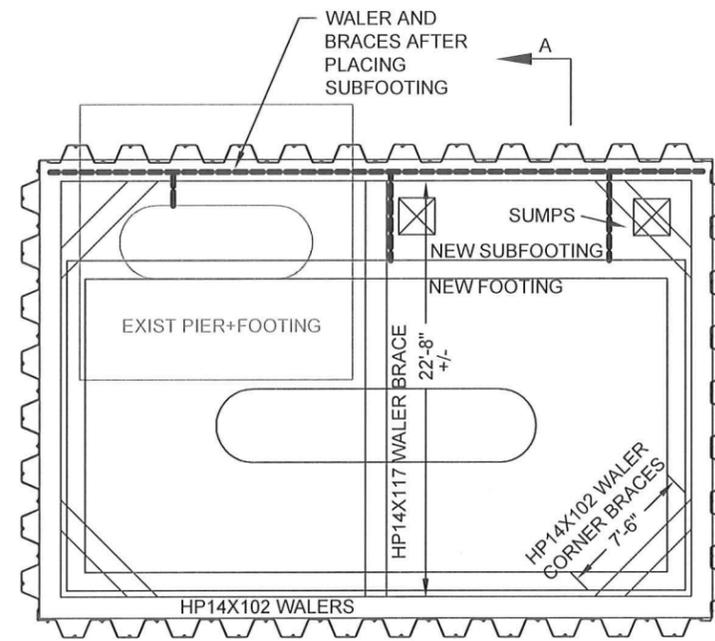
NOTE:

AT PIER 1 COFFERDAM, LOCATE EXISTING WATER AND ELECTRICAL LINES PRIOR TO STARTING COFFERDAM. PROVIDE TEMP SUPPORT FOR WATER LINE INSIDE COFFERDAM.

AT PIER 2 COFFERDAM, LOCATE RIVER SIDE WALER AT EL 423' AND SLOPE SIDEWALL WALERS TO FIT.



MIDDLE WALER LINE, EL. 417.5'



BOTTOM WALER LINE, EL. 411.0'

NOTE:

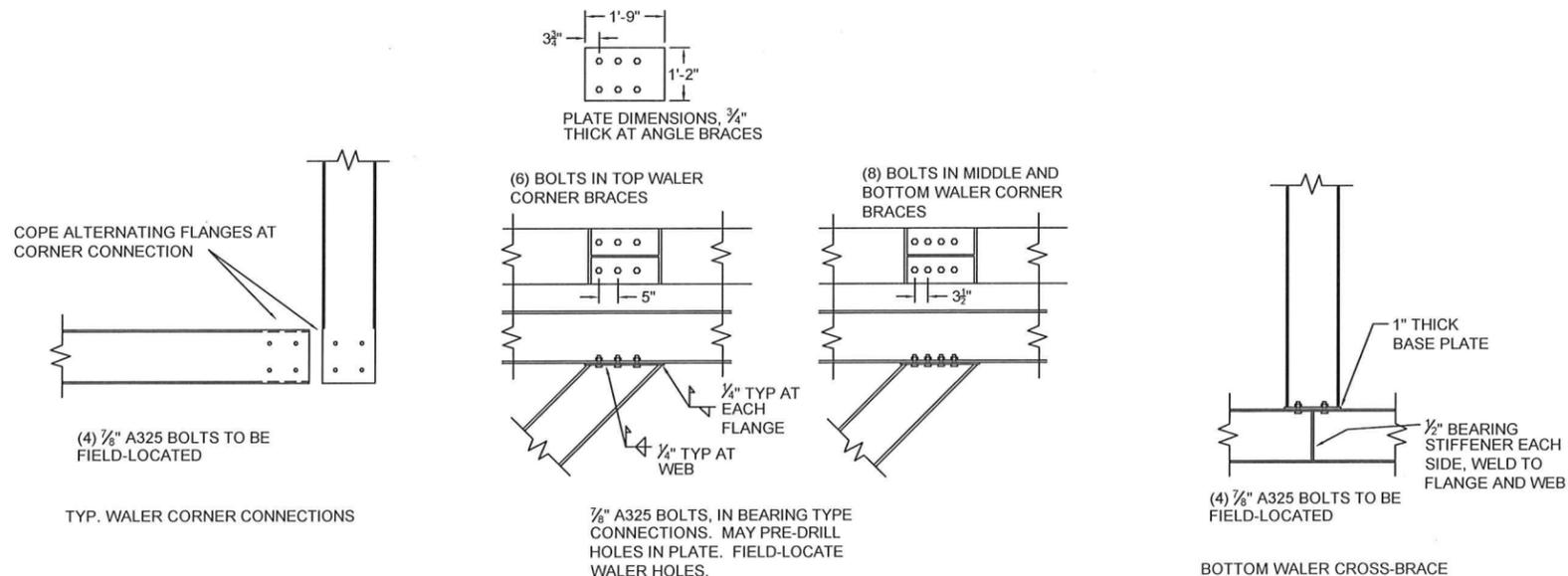
ON 3 SIDES, POUR SUBFOOTING UP TO SHEETS.

AFTER PLACING SUBFOOTING, BRACE SHEETING ON 4TH SIDE FROM SUBFOOTING TO WALER. SEE SEC. A-A.

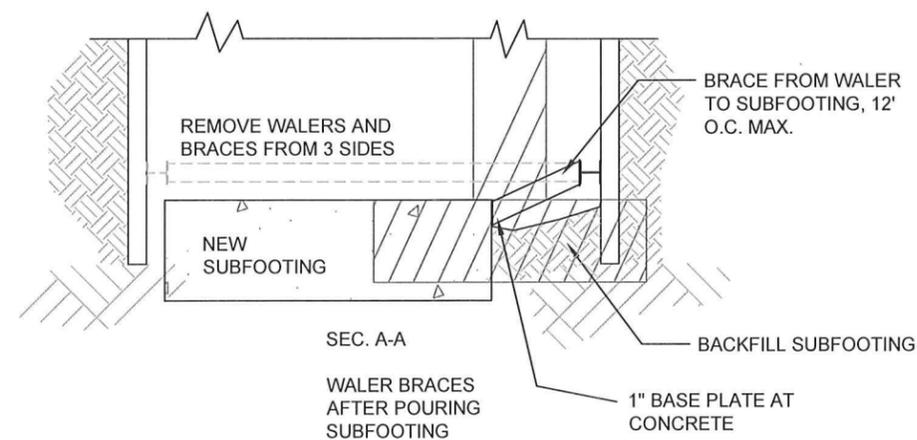
AFTER BRACING, BOTTOM OF SHEETS IS SUPPORTED BY SUBFOOTING AND BRACES AT 4TH WALL. REMOVE LOWER WALER AND BRACES FROM 3 SIDES.



8-25-2015



CONNECTION DETAILS
1/4" = 1'-0"



SEC. A-A

WALER BRACES AFTER POURING SUBFOOTING

BRACE FROM WALER TO SUBFOOTING, 12' O.C. MAX.

BACKFILL SUBFOOTING

1" BASE PLATE AT CONCRETE

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