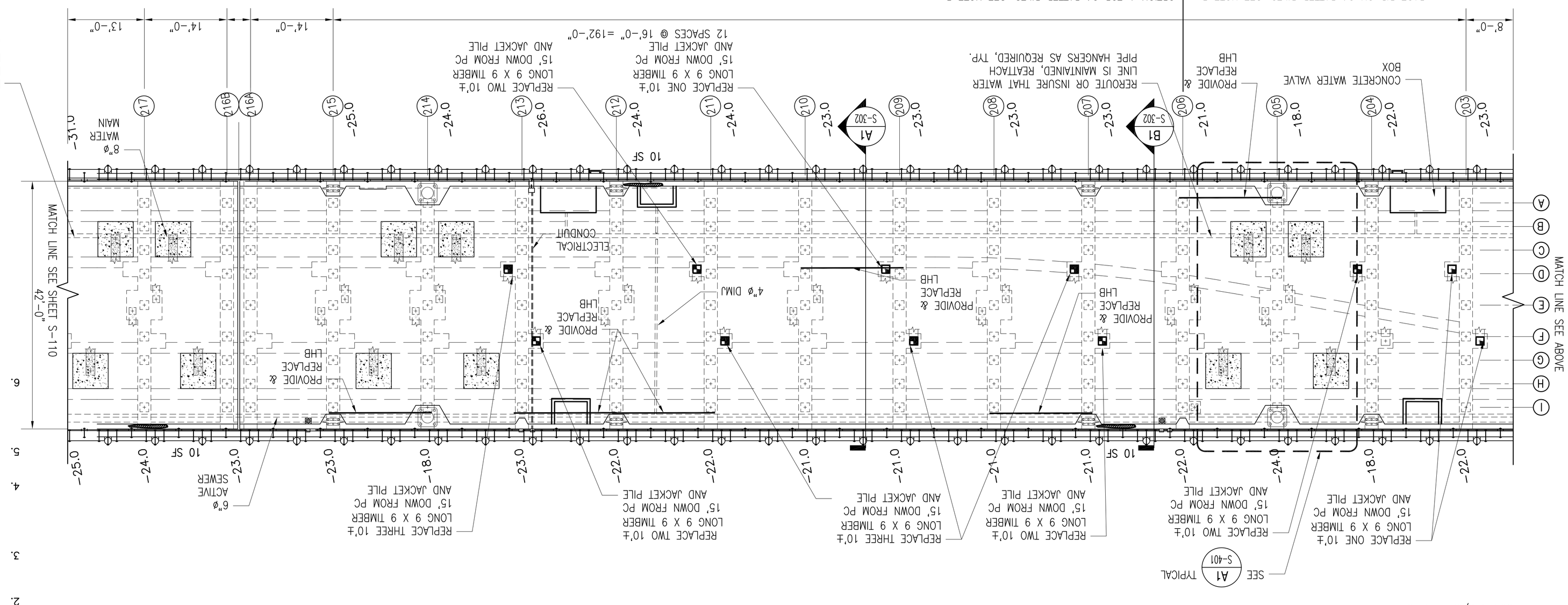

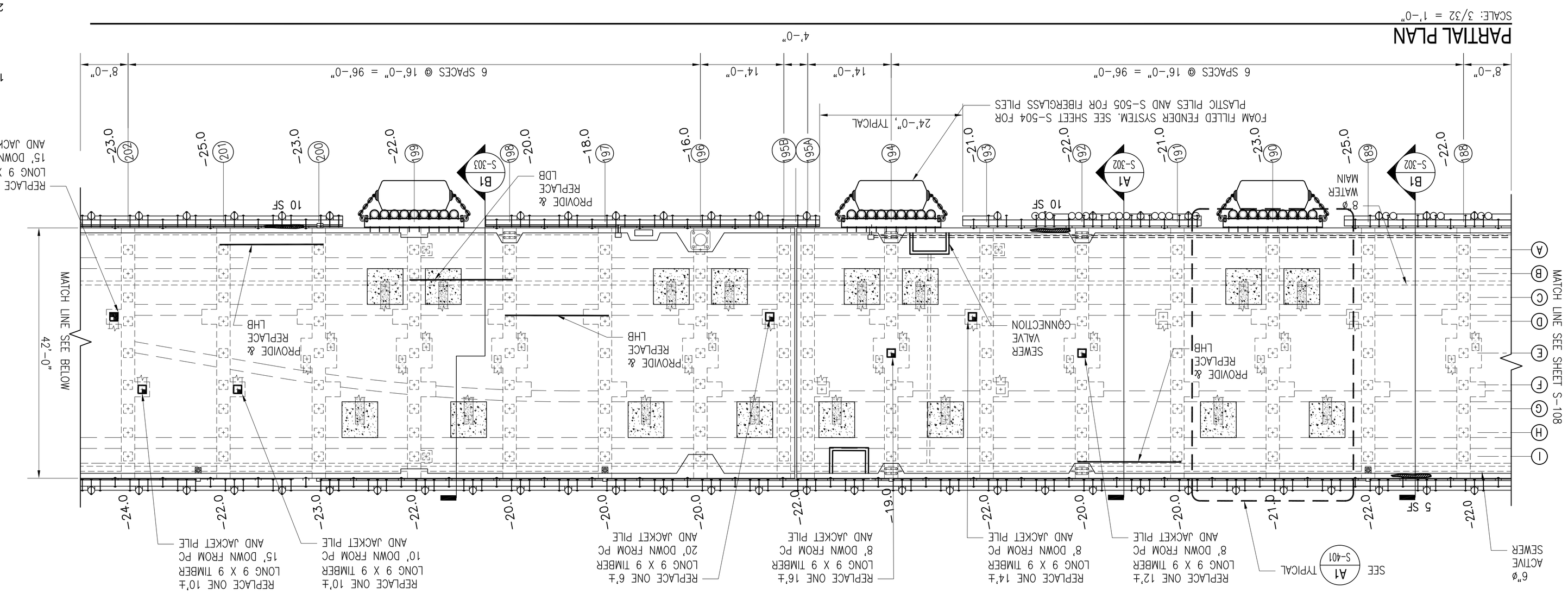

NOTES

1. DO NOT INSPECT OR REPAIR TIMBER BATTER PILES IN BENTS THAT HAVE EXISTING CONCRETE BATTER PILES INSTALLED, UNLESS OTHERWISE NOTED. TIMBER BATTER PILES TO BE REPAIRED ARE NOTED.
2. TIMBER PILES WHICH WERE TOO DAMAGED TO REPAIR HAVE BEEN REMOVED FROM THE PLANS BUT STUBS MAY STILL BE IN PLACE
3. PROBE IN WAY OF PROPOSED PLASTIC FENDER PILES AND REMOVE ANY DEBRIS OR OLD PILES BROKEN AT OR BELOW THE MUD LINE. ASSUME FOR BID PURPOSES 4 OLD BROKEN PILES PER FENDER LOCATION.
4. SEE SHEET S-504 AND S-505 FOR FENDER PILES AND FOAM FILLED FENDER DETAILS.
5. OPTION 1 ONLY INCLUDES THE INSTALLATION OF THE BATTER PILES, ASSOCIATED REINFORCING AND CONCRETE PATHES. ALL OTHER WORK SHOWN IS INCLUDED IN THE BASE BID.
6. WHERE EXISTING FENDER SYSTEM IS DEMOLISHED FOR NEW FENDER SYSTEM ENSURE THAT THE CUT ENDS OF WALES ARE NOT CANTILLEVERED BUT HAVE END SUPPORTS. ADD ADDITIONAL BLOCKING AND ANCHORS TO THE CUT ENDS OF THE WALE AND ENSURE THE CHOCKS ARE ATTACHED TO THE WALE.

GRAPHIC SCALE

0' 10' 20' 30' 40'
3/32"=1'-0"

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC CAPITAL IMPROVEMENTS
NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC
NORFOLK, VIRGINIA
CHEATHAM ANNEX
YORKTOWN, VIRGINIA

PIER CAD-A STRUCTURAL REPAIRS

PIER PARTIAL UNDER DECK REPAIR PLAN

FIRE PROTECTION	
DESIGN DIRECTOR	R.B. FITCH, III P.E.
BRANCH MANAGER	
	PM/DM JL/DBC
DES DBC DRW DBC CHK ROK	06/03/16
SUPERVISOR TO	
ACTIVITY SAT-10 PWD, YORKTOWN	
CDR ROHTER	
FOR COMMANDER NAVFAC	
APPROVED	
A/E INFO	

SCALE: AS NOTED
EPROJECT NO. 1571961
CONSTR. CONTR. NO. N40085-16-R-6158
NAVFAC DRAWING NO. 1271895 3
SHEET 15 OF 30
S-109

DEPARTURE REVISION: 10 MAY 2014

SYM	DESCRIPTION	DATE	APPR
1	ADDED AMENDMENT 2	8/10/16	

FILE NAME: C:\Users\dennis.b.ozark\local settings\temp\AcPublish_9840\CAD-A BATTER PILE DESIGN AMENDED.dwg LAYOUT NAME: S-109 PLOTTED: Wednesday, August 10, 2016 - 8:45am USER: dennis.b.ozark