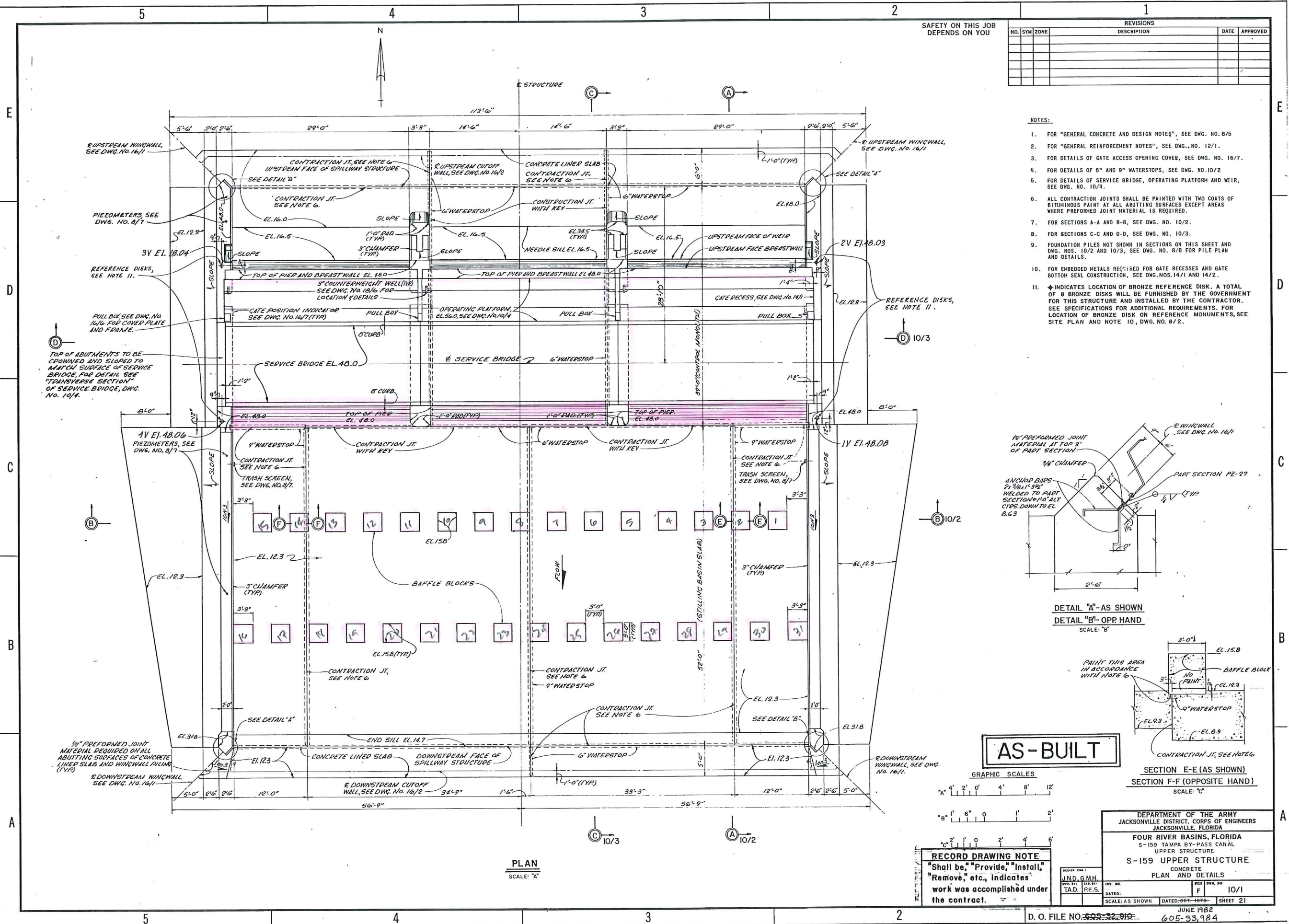
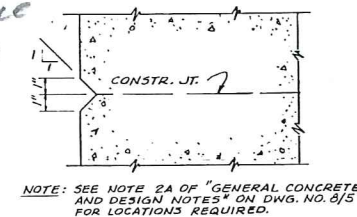
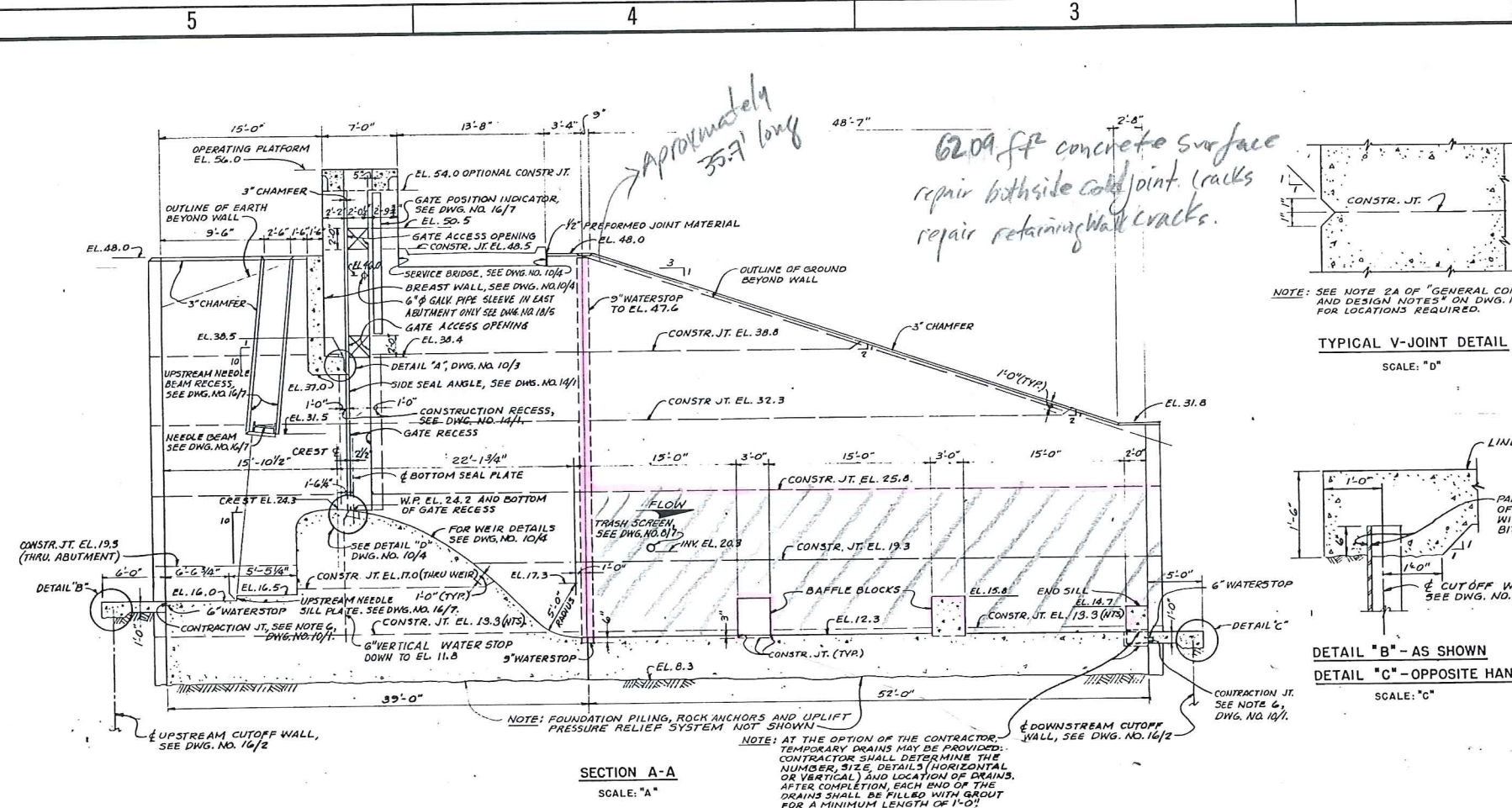
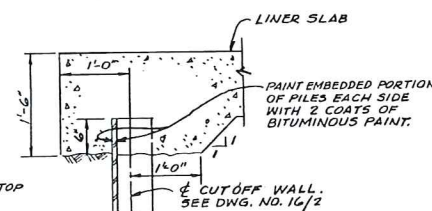




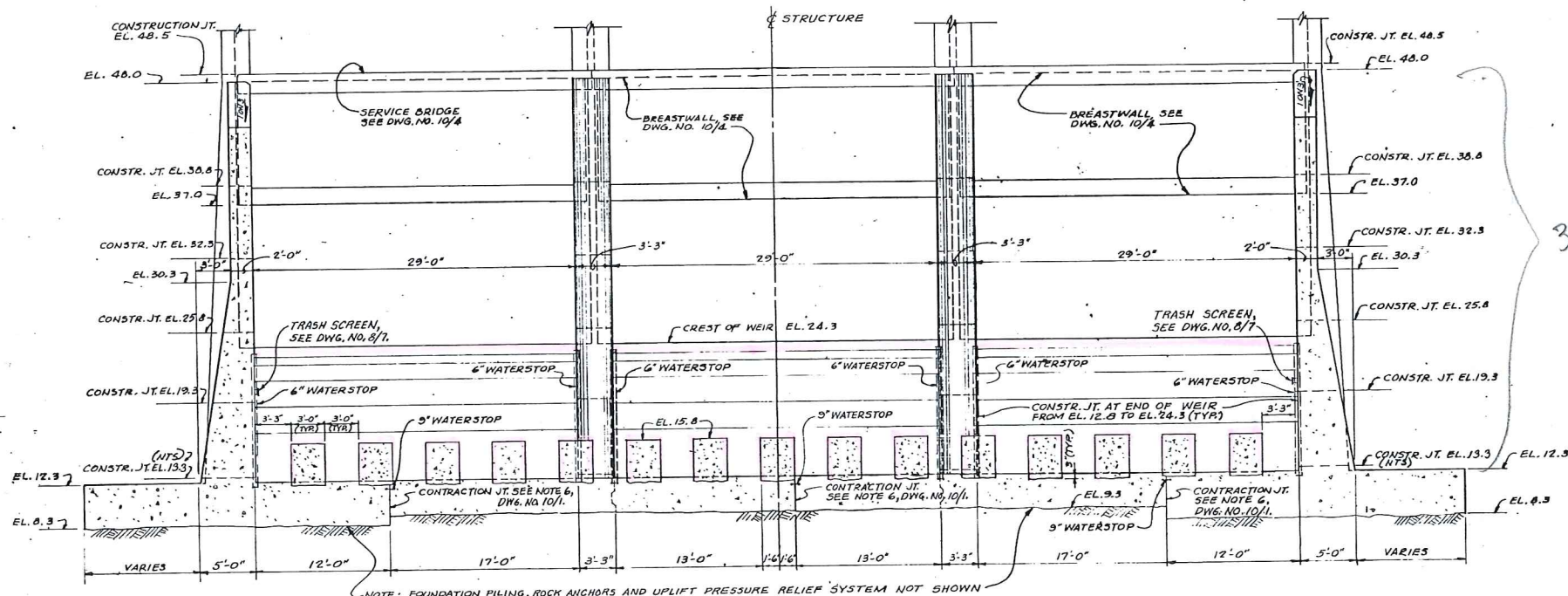


TYPICAL V-JOINT DETAIL

SCALE: "D"

DETAIL "B" - AS SHOWN
DETAIL "C" - OPPOSITE HAND

SCALE: "C"

SECTION B-B
SCALE: "A"

945 295

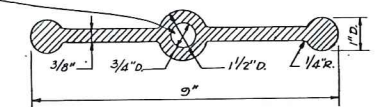
SAFETY ON THIS JOB
DEPENDS ON YOU

REVISIONS			
NO.	SYN	ZONE	DESCRIPTION

NOTES:

- REFER TO DWG. NO. 10/1 FOR NOTES.
- FOR LOCATION OF SECTIONS A-A AND B-B, SHOWN ON THIS SHEET, SEE DWG. NO. 10/1.
- BARRIER POSTS SHOWN ON DWG. NO. 8/4, IN ZONE D-2, SHALL HAVE A 5/8" GALV. EYE BOLT INSTALLED WITH STD. NUT AND WASHER WITH NUT TACK WELDED TO BOLT TO PREVENT REMOVAL. EYE SHALL BE INSTALLED ON INSIDE (TOWARD EL. BOAT RAMP) OF EACH POST.

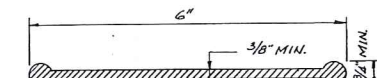
NOTE: PLUG HOLES OF EXPOSED ENDS OF ALL RUNS WITH RUBBER OR POLYVINYLCHLORIDE MATERIAL.



RUBBER OR POLYVINYLCHLORIDE WATERSTOP

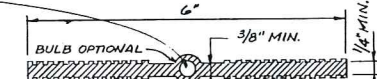
9" WATERSTOP

NOT TO SCALE



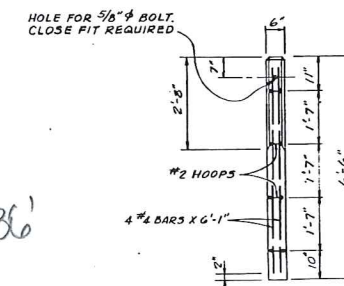
RUBBER WATERSTOP

NOTE: PLUG HOLES OF EXPOSED ENDS OF ALL RUNS WITH WATERSTOP MATERIAL.

POLYVINYLCHLORIDE WATERSTOP
(OPTIONAL)

6" WATERSTOP

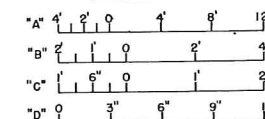
NOT TO SCALE



GUARDRAIL AND BARRIER POST

SCALE: "B"

GRAPHIC SCALES



RECORD DRAWING NOTE

"Shall be," "Provide," "Install," "Remove," etc., indicates work was accomplished under the contract.

DESIGN BY: J.N.D., G.M.H.
CHKD BY: E.B.W., J.R.H.
DATE: 10/2

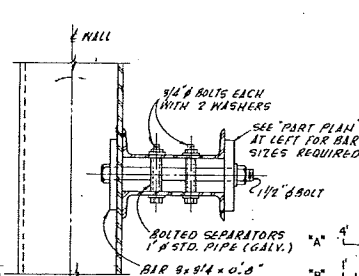
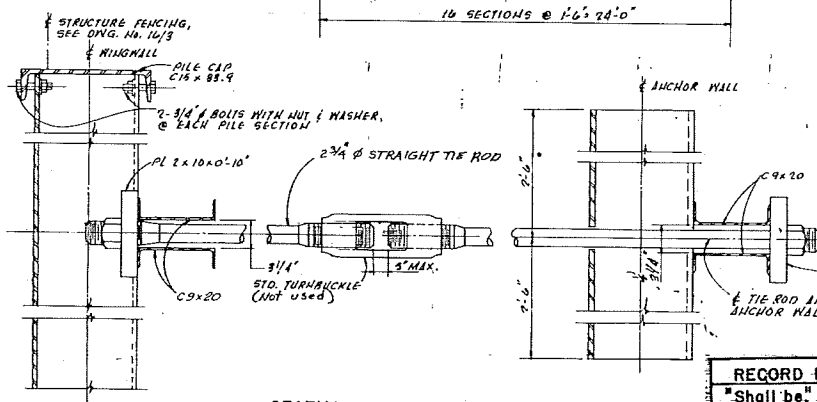
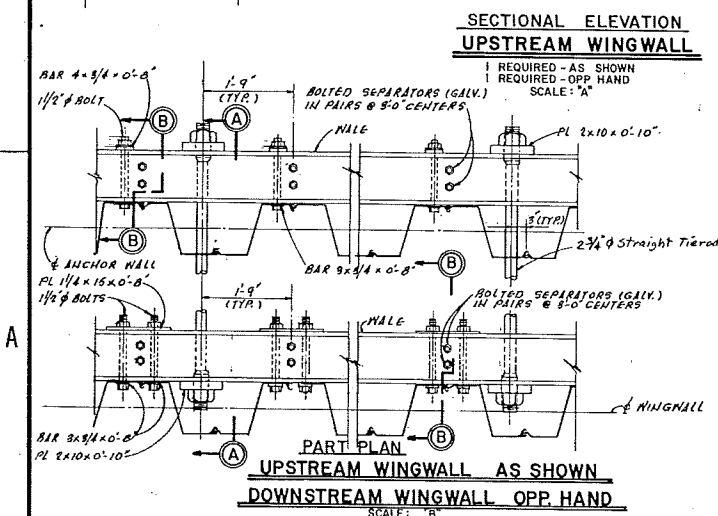
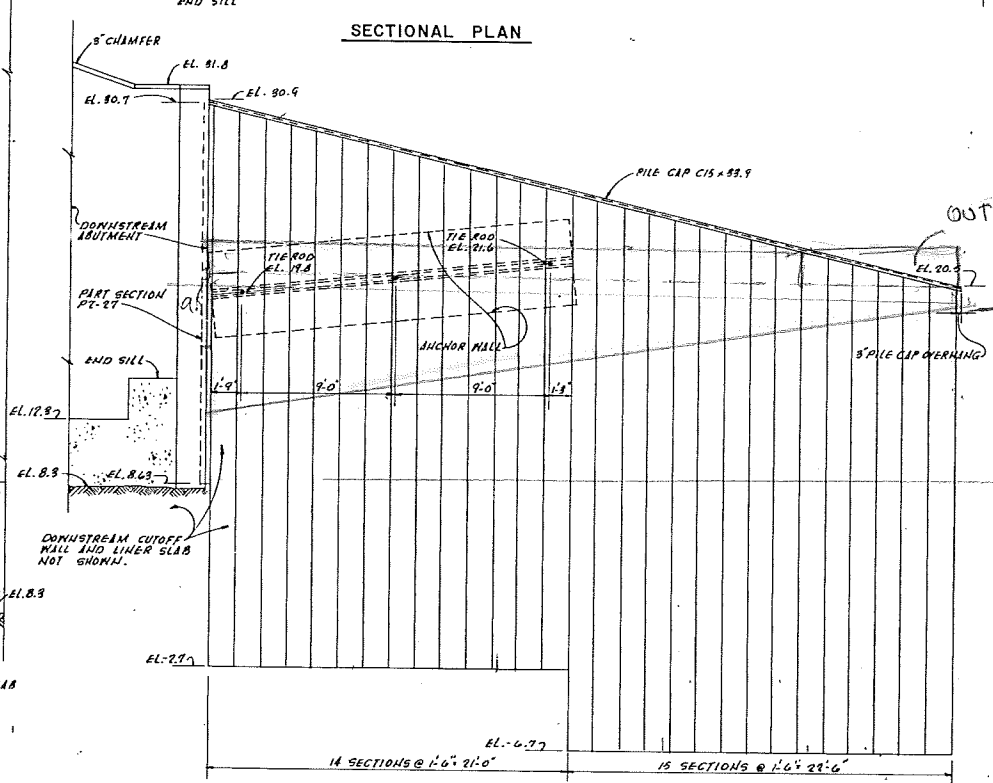
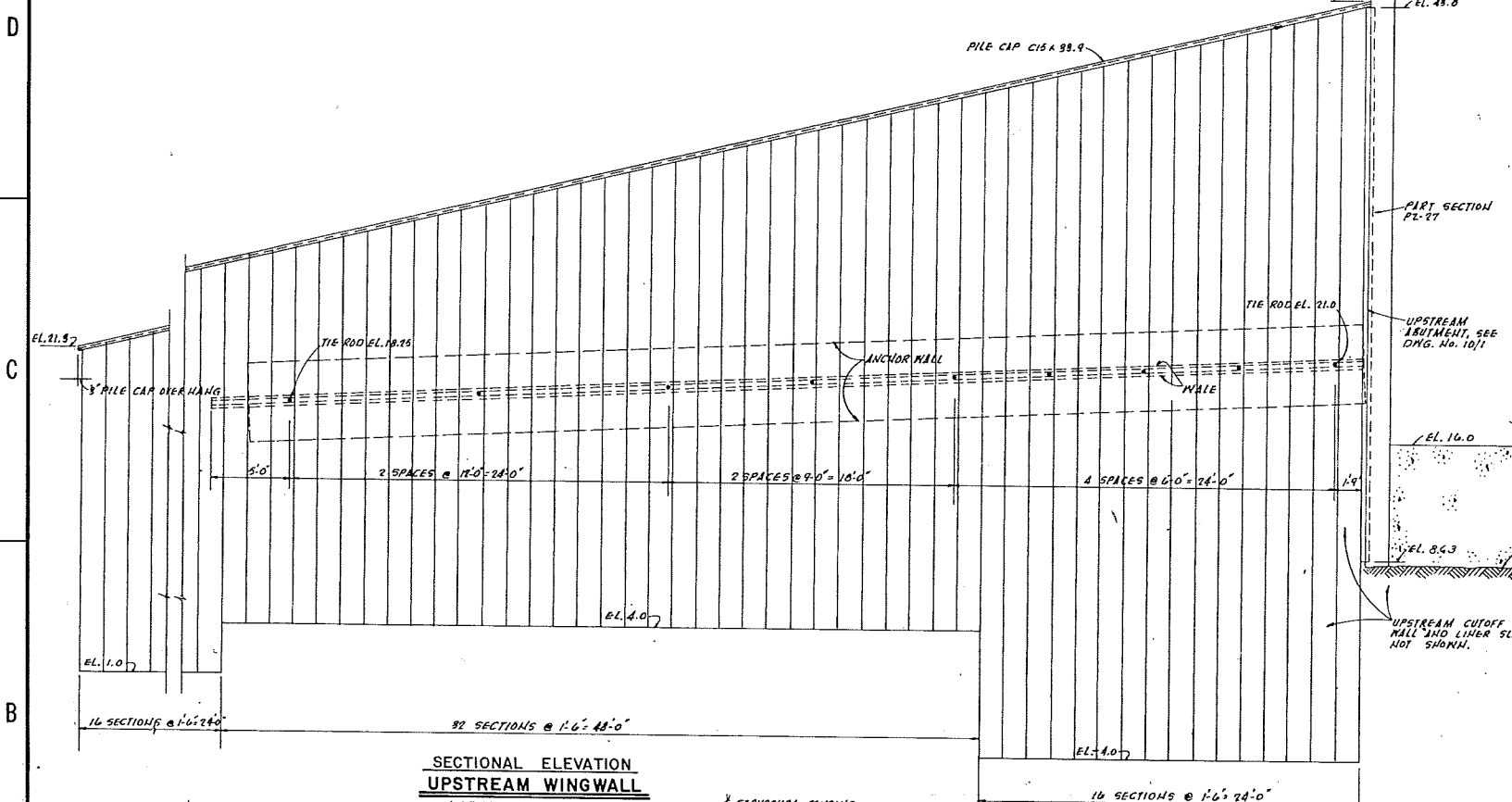
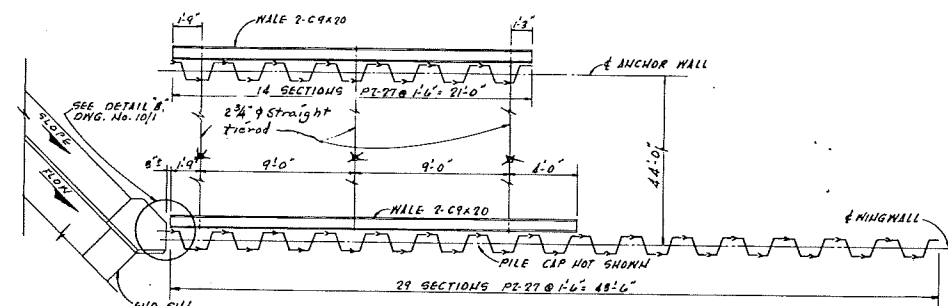
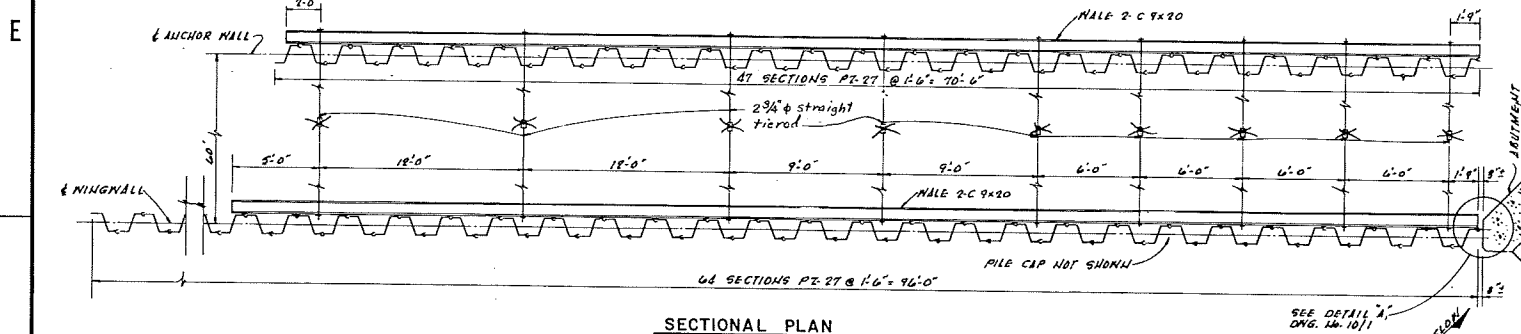
SCALE: AS SHOWN
DATED: OCT-1970
SHEET 22

D.O. FILE NO. 605-32-910

JUNE 1982
605-33,984

SAFETY ON THIS JOB
DEPENDS ON YOU

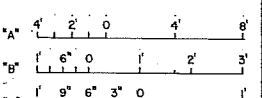
NO.		SYMBOL	ZONE	REVISIONS		DATE	APPROVED
				DESCRIPTION			



RECORD DRAWING NOTE
"Shall be," "Provide," "Install," "Remove," etc., indicates work was accomplished under the contract.

- NOTES:**
1. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED, UNLESS SPECIFIED OTHERWISE. ALL BOLTS SHALL BE FURNISHED WITH ONE NUT AND WASHER, UNLESS OTHERWISE INDICATED.
 2. ALL MATERIAL SHALL BE STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
 3. ALL GALVANIZED ITEMS SHALL BE GALVANIZED AFTER FABRICATION.
 4. ALL STRUCTURAL STEEL ITEMS NOT GALVANIZED SHALL BE PAINTED IN ACCORDANCE WITH THE SPECIFICATIONS.
 5. FOR "GENERAL WELDING NOTES", SEE DNG. NO. 14/1.
 6. SEE DNG. NO. 16/2 FOR CUTOFF WALL DETAILS.

GRAPHIC SCALES



DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	
FOUR RIVER BASINS, FLORIDA	
S-159 TAMPA BY-PASS CANAL	
UPPER STRUCTURE	
S-159 UPPER STRUCTURE	
METALS AND MISCELLANEOUS	
WINGWALLS	
DESIGNER: T.W.W., G.M.H.	INCH. NO. 16/1
DRAWN BY: A.J.S., J.R.H.	DATE: JUNE 1982
SCALE: AS SHOWN	DATED: 06/19/82
SHEET 31	