

SAFETY ON THIS JOB
DEPENDS ON YOU

REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
3	△		REVISED TO CONFORM TO AMENDMENT NO. 2	5-10-66	WJC

STRUCTURE 96 ON CANAL 54, SECTION 2

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- NOTES:
- SEE "GENERAL NOTES" ON SHEET + 32
 - FOR R/W AND STRUCTURE 96 CONTROLS SEE SHEET NO. 31, THIS FILE NO., AND SHEET 22, D.O. FILE NO. 496-29,360.

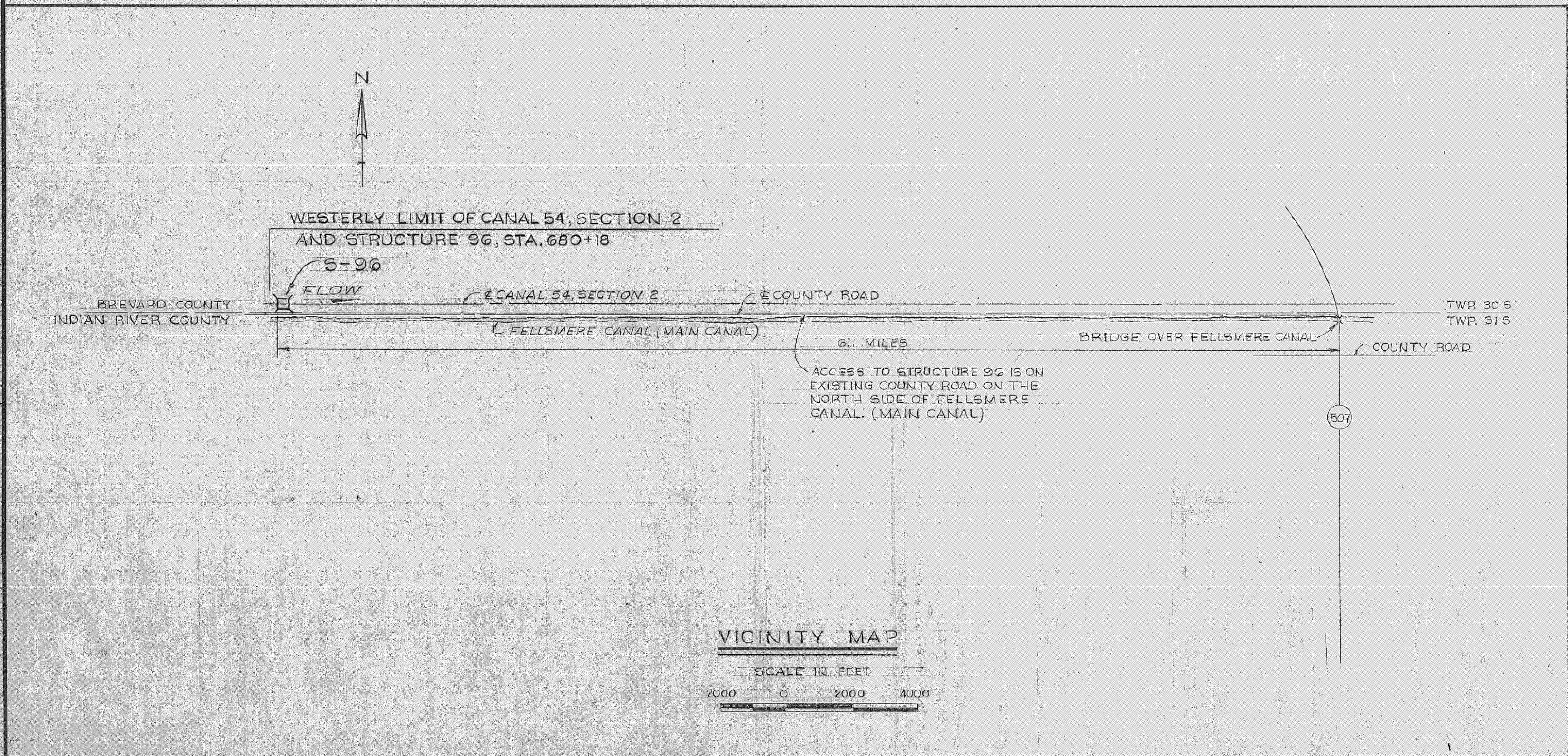
RECORD DRAWING NOTE
"Shall be," "Provide," "Install," "Remove," etc., indicates work was accomplished under the contract.

AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
CENTRAL AND SOUTHERN FLORIDA PROJECT
FOR FLOOD CONTROL AND OTHER PURPOSES
CANAL 54, SECTION 2
STRUCTURE 96
VICINITY MAP AND INDEX

DNS	DWN. BY B.A.R.	INV. NO. CIV. ENG. 08-123-005-006	SIZE	DWG. NO.
A.S.P.	CKD. BY J.G.	DATE: 28 APRIL 1966	F	
SCALE: AS SHOWN		DATE: APRIL 1966	SHEET 30 OF 72	

D. O. FILE NO. 496-29,370 496-30,952



VICINITY MAP
SCALE IN FEET
2000 0 2000 4000

5 4 3 2 1

E E

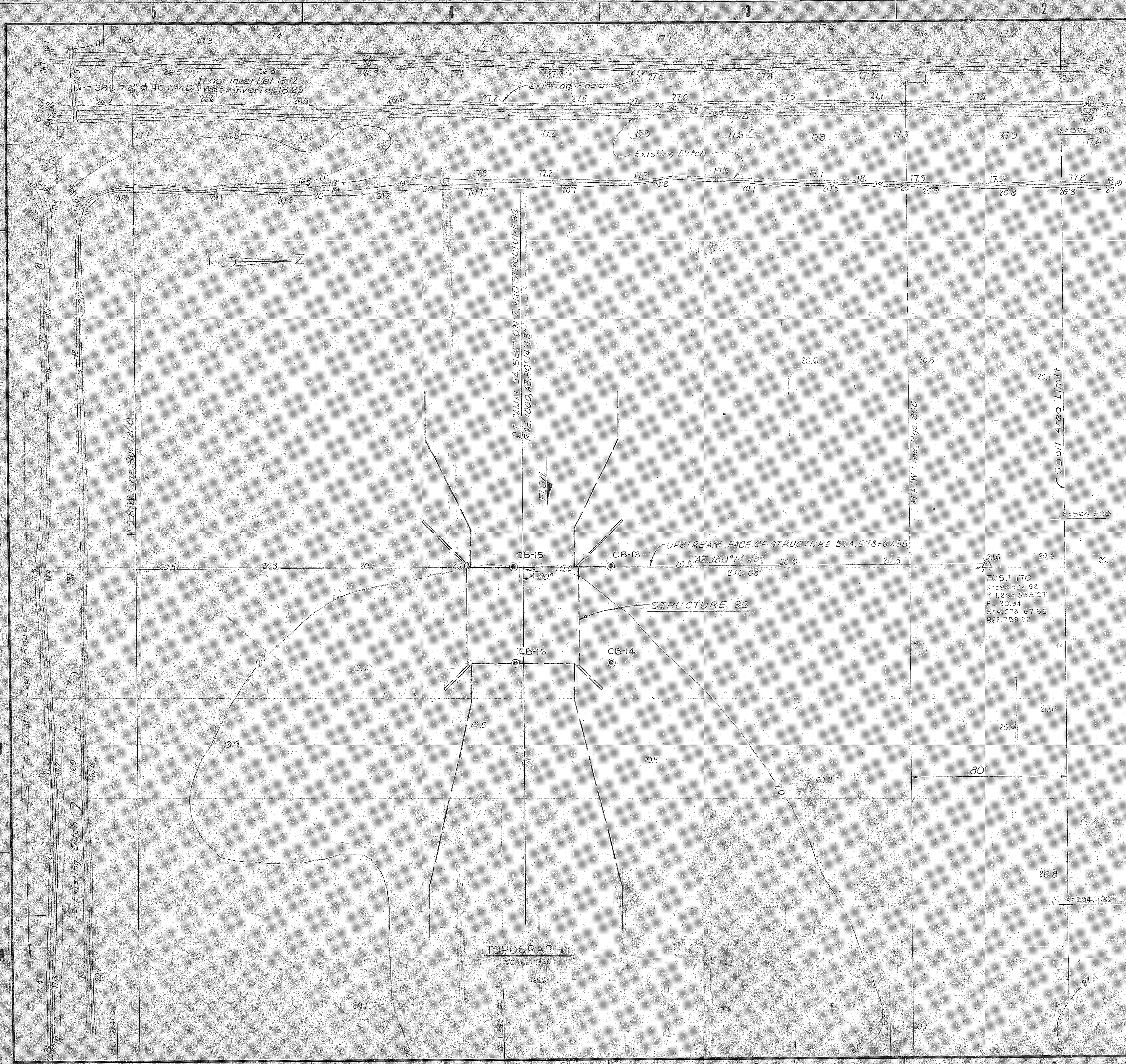
D D

C C

B B

A A

5 4 3 2 1

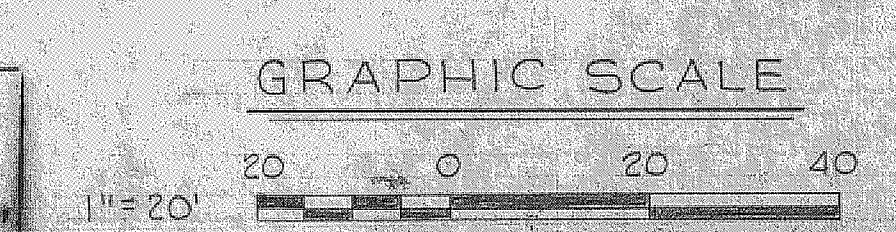


REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED

- LEGEND**
- 20.6 ELEVATION
 - 20 — CONTOUR AND DESIGNATION
 - ⊠ HORIZONTAL AND VERTICAL CONTROL MONUMENT
 - ⊙ CORE BORING LOCATION AND DESIGNATION
 - CB-14
 - R/W RIGHT OF WAY LIMIT

- NOTES:**
- FOR GENERAL NOTES, SEE SHEET NO. 32
 - SURVEY MADE SEPT. 1965, REFER TO PLANE TABLE D. O. FILE NO. 496-29,268
 - FOR LOGS OF BORINGS SEE SHEET NOS. 31 & 32
 - ALL STATIONING IS ALONG CANAL 54 SECTION 2, RANGE 1000.

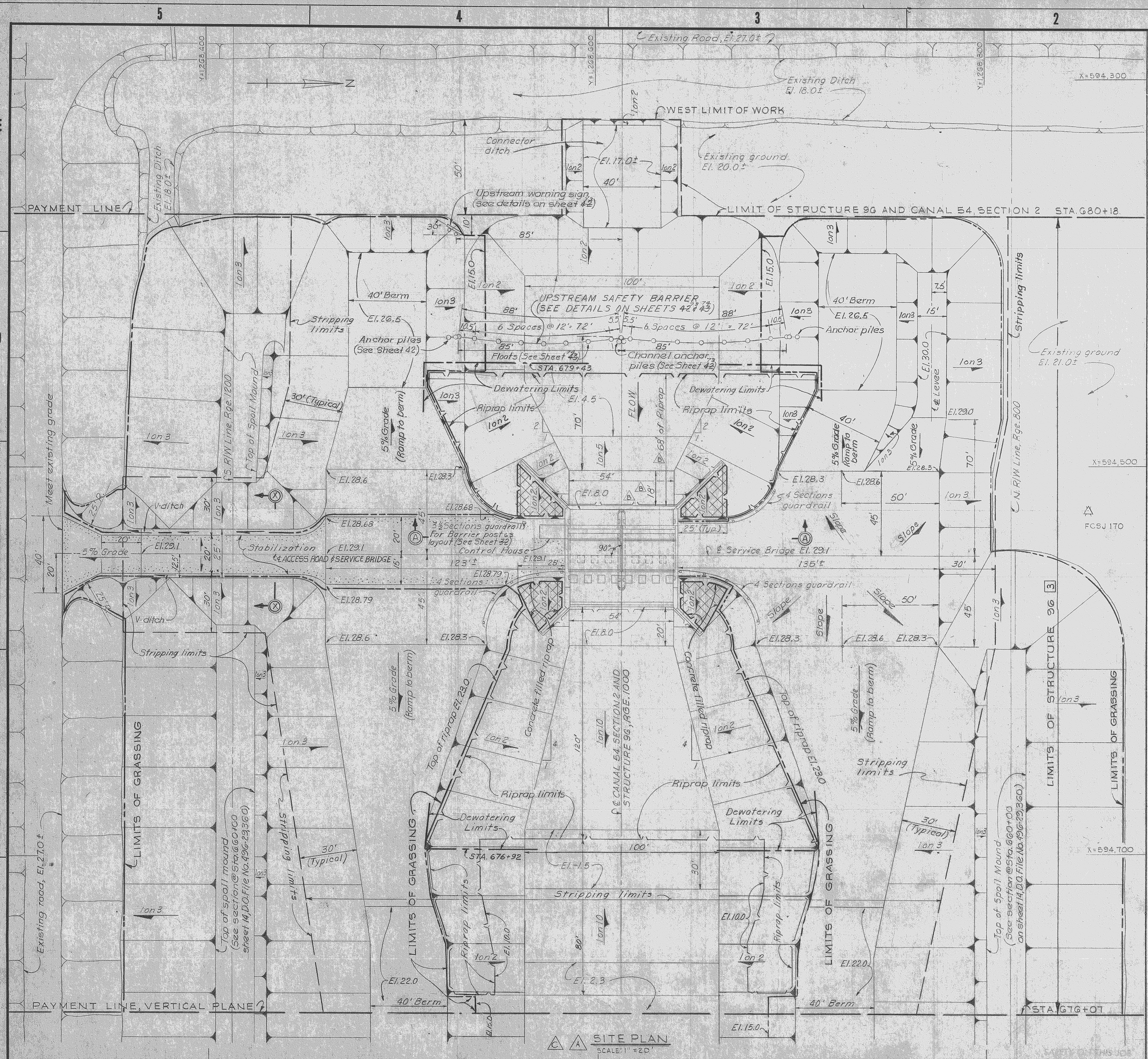
RECORD DRAWING NOTE
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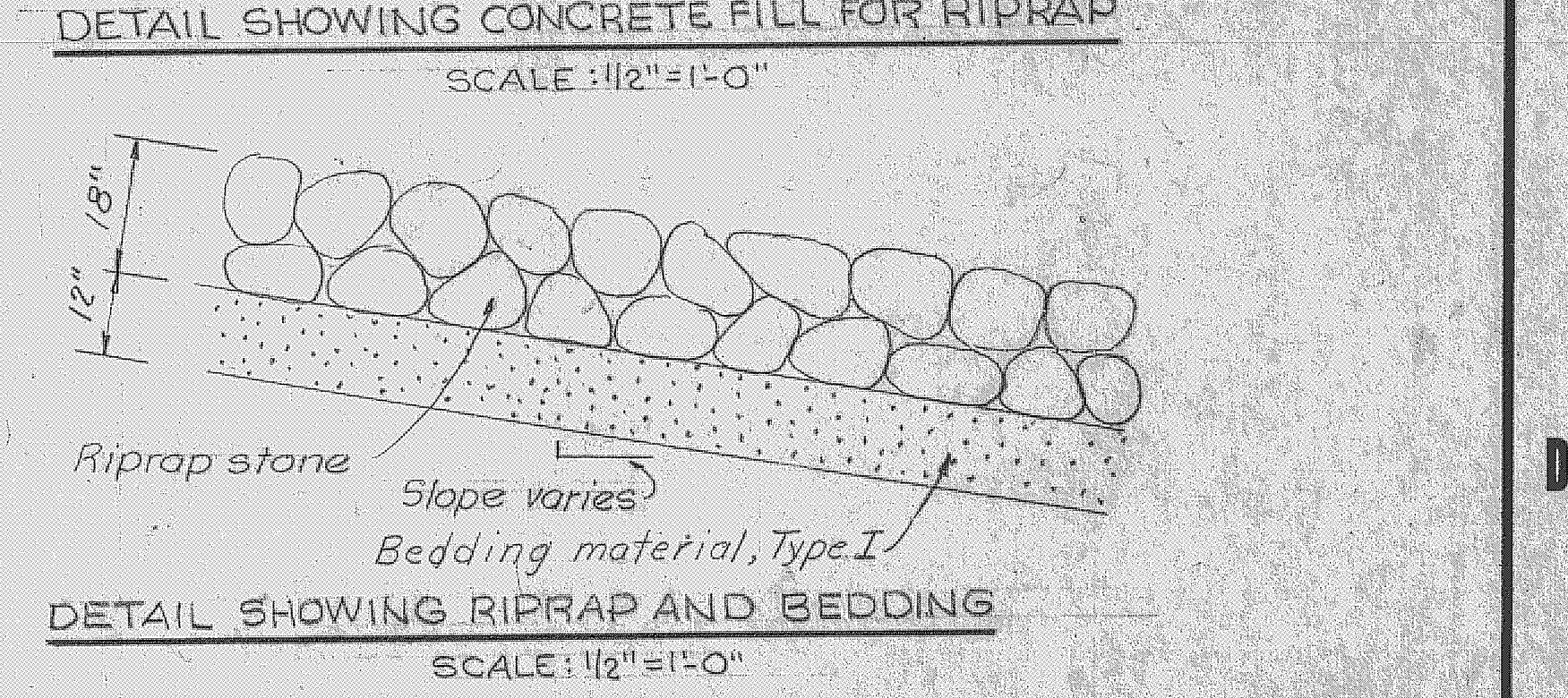
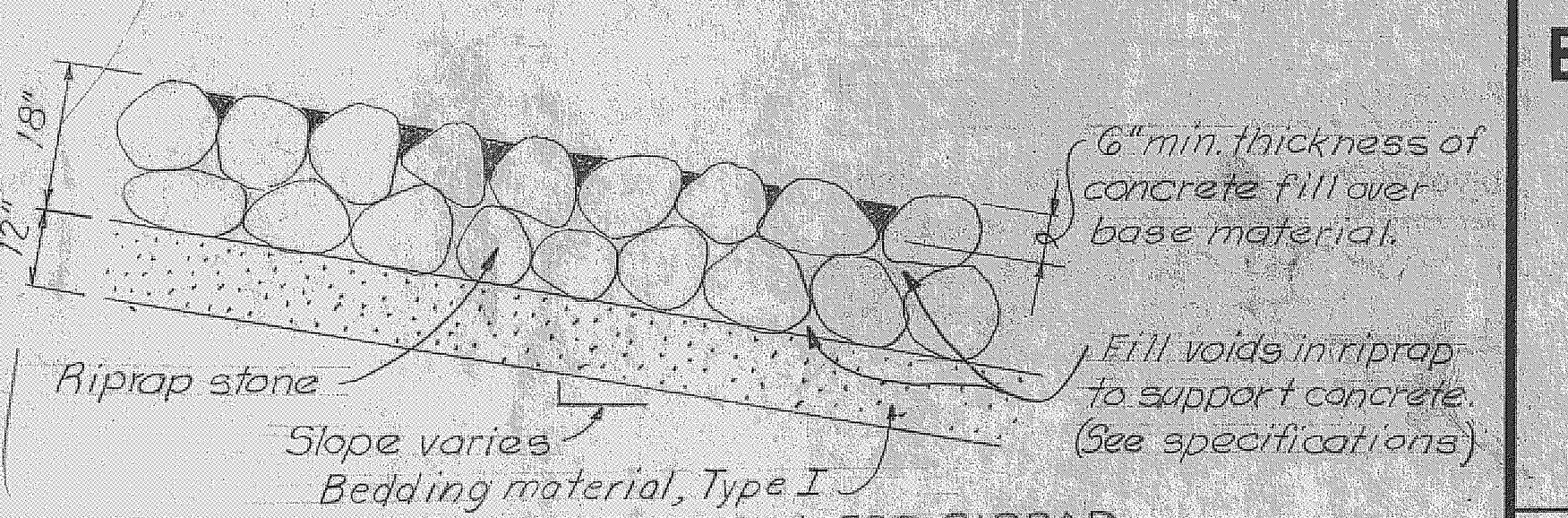
AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
 CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA
CENTRAL AND SOUTHERN FLORIDA PROJECT
 FOR FLOOD CONTROL AND OTHER PURPOSES
 CANAL 54, SECTION 2
STRUCTURE 96
 TOPOGRAPHY

D.N.S.	CHK. BY B.A.P. G.C.V.E.	INV. NO. CIV. ENG. 06-123-00-55	SHEET NO. F
A.S.P.	CKD. BY	DATED: 28 APRIL 1966	SCALE: AS SHOWN
		DATED: APRIL 1966	SHEET 34 OF 72



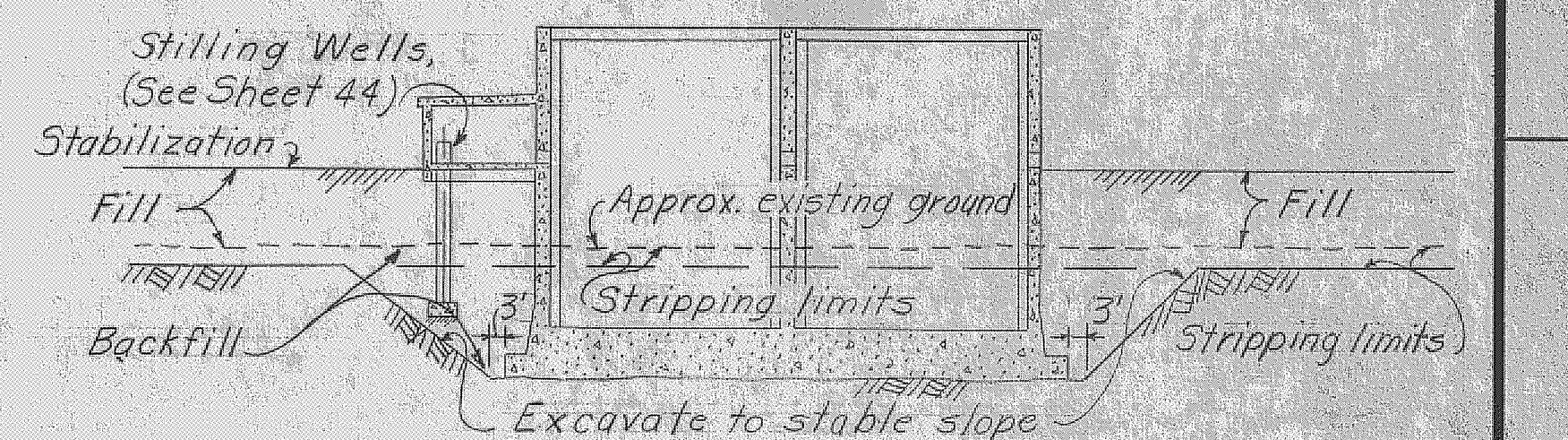
REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
1			ADDED STRIPPING LIMITS, REVISED DOWNSTREAM STRIP LIMITS, CLASSIFIED SAFETY BARRIER LAYOUT, REVISED EXISTING ELEVATIONS, ADDED ACCESS ROAD DIMENSIONS, REVISED SECTION A-A TO SHOW STRIPPING AND BEDDING REQUIREMENTS, ADDED NOTES FOR DITCH AND REVISED NOTES 2, 4, 6 AND 7 TO ACCOMPANY SUBMITTAL NO. 3.	5-16-66	WJK
2			ADDED KEY AND REVISED DIM. FOR RIPRAP 4' SLAB ON DOWNSTREAM SIDE OF STRUCTURE TO ALLOW MOVED TO CONTRACT NO. CIV-ENG. 66-109.	1-28-67	WJK
3			REVISED ELEVATIONS OF UPSTREAM BERM, LEVEE AND STRIP LIMITS TO ACCOMPANY MOD. TO CONTRACT 66-109.	4-8-67	WJK



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

- LEGEND**
- HORIZONTAL AND VERTICAL CONTROL MONUMENT
 - INDICATES LIMITS OF RIPRAP AND BEDDING
 - INDICATES CONTRACT PAYMENT ITEMS
 - INDICATES DIRECTION OF EXISTING SLOPE
 - INDICATES DIRECTION OF REQUIRED SLOPE
 - INDICATES RATIO OF EXISTING SLOPE
 - INDICATES RATIO OF REQUIRED SLOPE
 - INDICATES LIMITS OF CONCRETE FILL FOR RIPRAP (SEE DETAILS THIS SHEET)
 - GRASSING LIMITS
 - INDICATES LIMITS OF STABILIZATION
 - INDICATES DEWATERING LIMITS
 - INDICATES STRIPPING LIMITS

- NOTES:**
1. FOR GENERAL NOTES, SEE SHEET 4-32.
 2. FOR RIGHT-OF-WAY CONTROL, SEE SHEET 23, D.O. FILE NO. 496-29,360.
 3. FOR LOGS OF BORINGS, SEE SHEETS 51 AND 52.
 4. FOR TOPOGRAPHY SEE SHEET 57.
 5. WITHIN THE LIMITS OF STRUCTURE 96, AS SHOWN ON THE SITE PLAN, ALL FILL AND BACKFILL SHALL BE COMPACTED, EXCEPT MATERIAL PLACED IN THE WET.
 6. FOR ANCHOR WALL EXCAVATION DETAILS, SEE SHEET 33.
 7. SEE SHEET NO. 54 FOR SECTION X-X.
 8. ALL RIPRAP WITHIN THE LIMIT SHOWN ON THIS SHEET CONSISTS OF AN 18" THICK RIPRAP STONE LAYER ON A 12" THICK BEDDING LAYER.



AS BUILT

GRAPHIC SCALES
 1/2" = 1'-0"
 1" = 20'

**U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
 CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA**

**CENTRAL AND SOUTHERN FLORIDA PROJECT
 FOR FLOOD CONTROL AND OTHER PURPOSES**

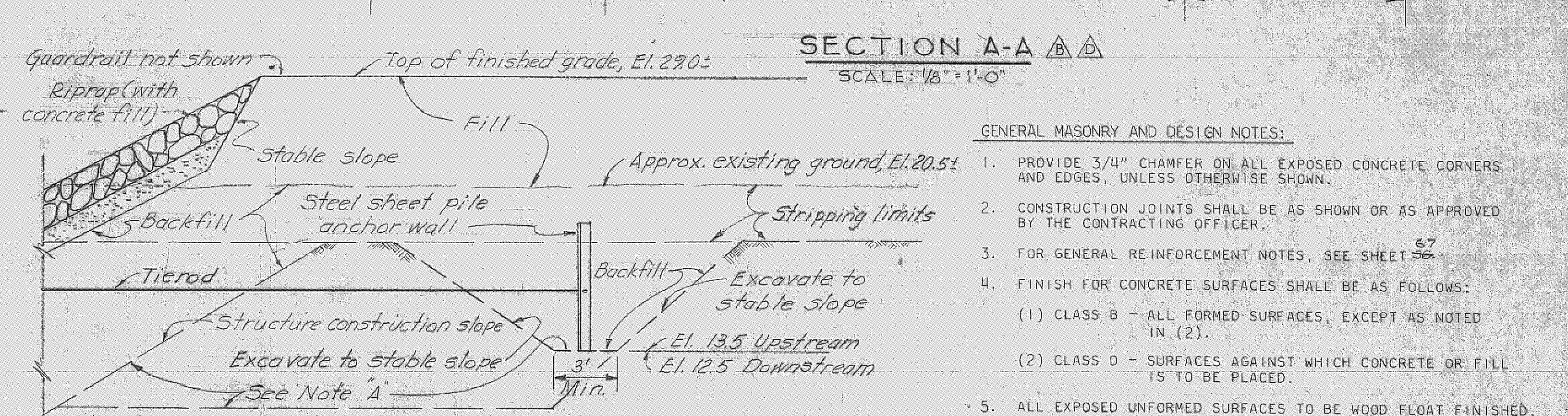
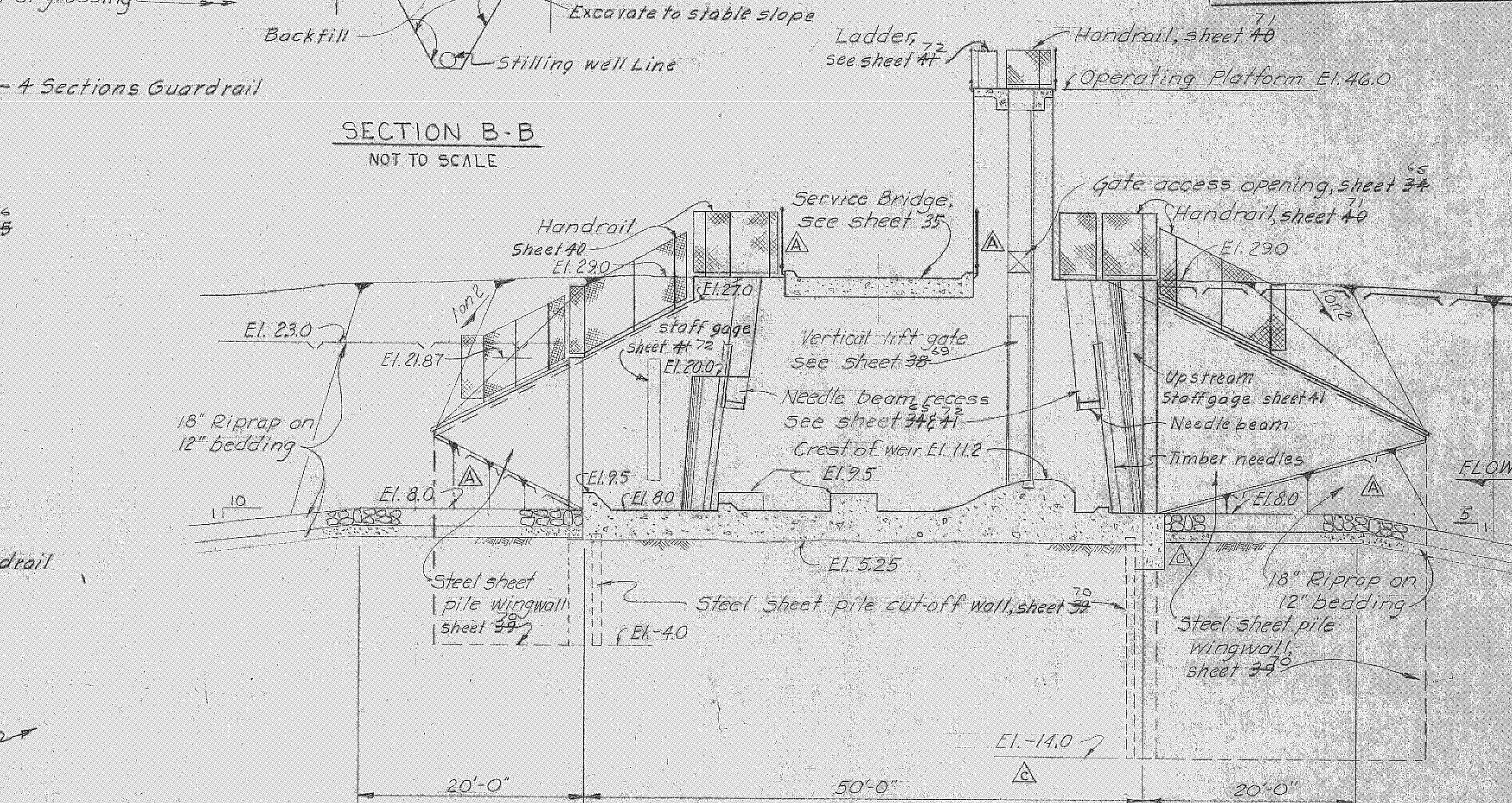
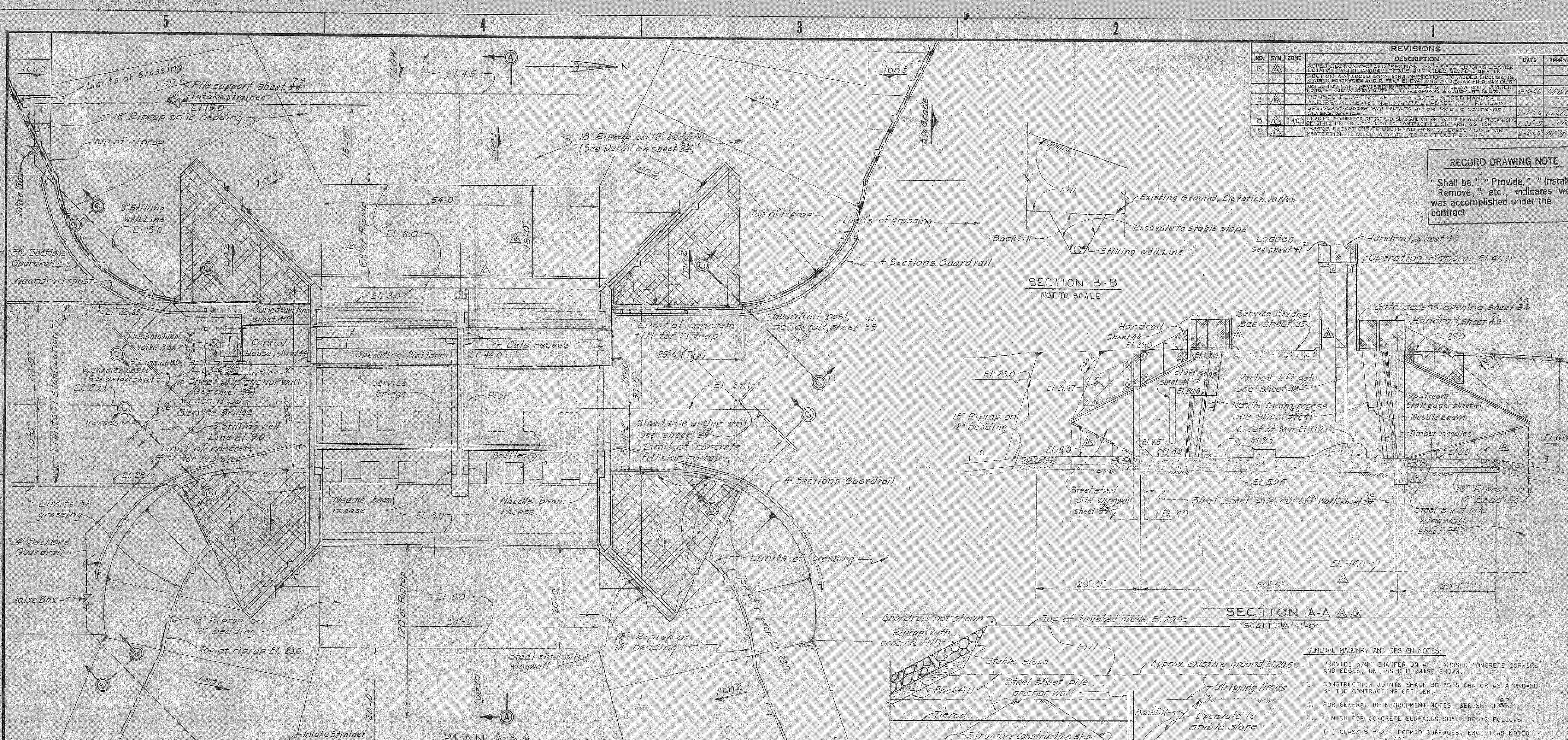
**CANAL 54, SECTION 2
 STRUCTURE 96
 SITE PLAN**

D.N.S. *C.J.E.* CHK. BY
 A.S.P. *F* DATE: 23 APRIL 1966
 SCALE: AS SHOWN DATE: APRIL 1966 SHEET 22 OF 22

D. O. FILE NO. 496-29,370 496-30,952

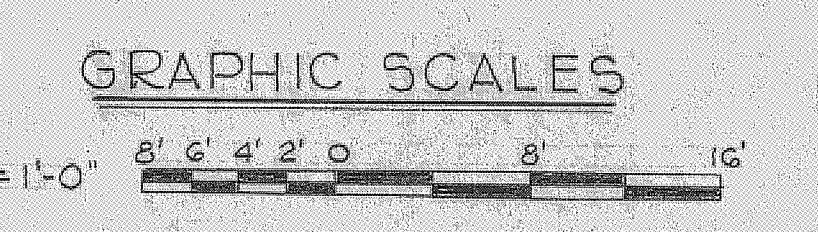
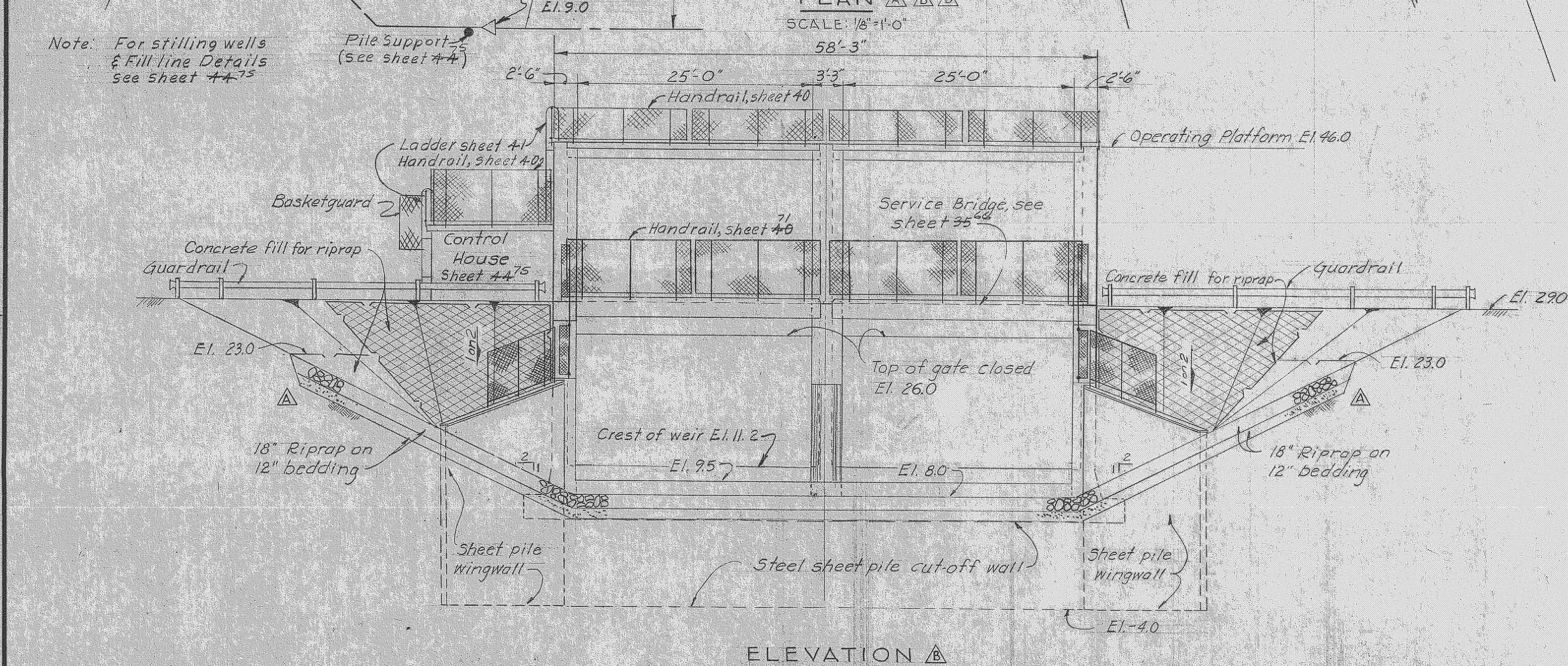
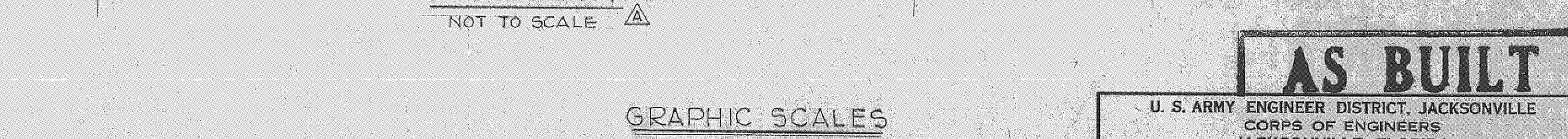
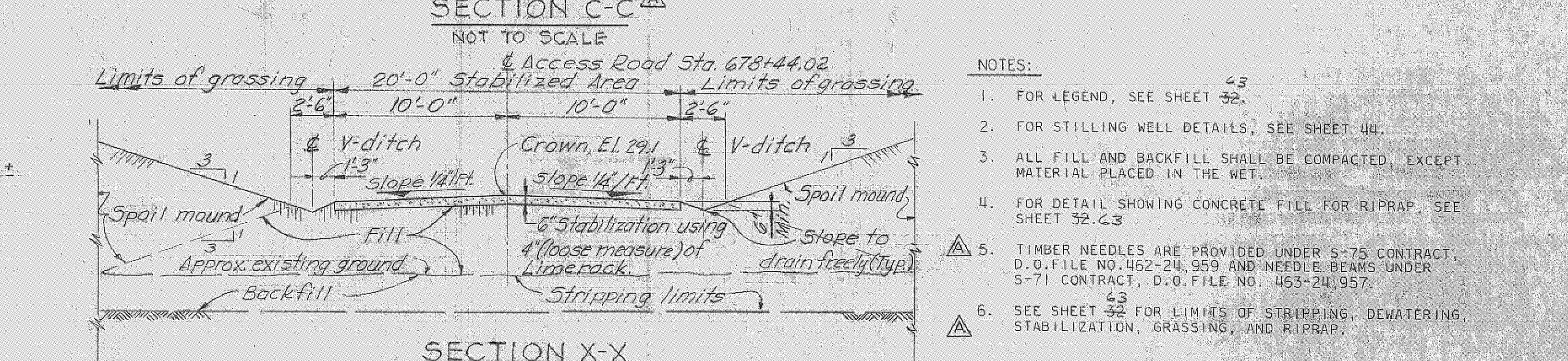
REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
12	△		ADDED SECTION C-C AND SECTION X-X; DELETED STABILIZATION DETAIL; REVISED HANDRAIL DETAILS AND ADDED SLOPE LINES TO SECTION A-A; ADDED LOCATIONS OF SECTION C-C AND SECTION X-X; REVISED ELEVATIONS AND CLARIFIED VARIOUS NOTES; ADDED NOTE TO ACCOMPANY AMENDMENT 60.2.	5-16-66	WDR
3	△		REVISED ELEVATION OF TOP OF EXISTING HANDRAIL AND REVISED EXISTING HANDRAIL; ADDED REINFORCED CONCRETE CUT-OFF WALL TO ACCOMPANY AMENDMENT 60.2.	5-16-66	WDR
5	△	D-4	REVISED ELEVATION OF RIPRAP SLAB AND CUT-OFF WALL ELEVATION ON UPSTREAM SIDE OF STRUCTURE TO ACCOMPANY AMENDMENT 60.2; REVISED ELEVATIONS OF UPSTREAM BERMS, LEVELS AND STONE PROTECTION TO ACCOMPANY AMENDMENT 60.2.	5-16-66	WDR
2	△		REVISED ELEVATIONS OF RIPRAP SLAB AND CUT-OFF WALL ON UPSTREAM SIDE OF STRUCTURE TO ACCOMPANY AMENDMENT 60.2; REVISED ELEVATIONS OF UPSTREAM BERMS, LEVELS AND STONE PROTECTION TO ACCOMPANY AMENDMENT 60.2.	5-16-66	WDR

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



GENERAL MASONRY AND DESIGN NOTES:

1. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE CORNERS AND EDGES, UNLESS OTHERWISE SHOWN.
2. CONSTRUCTION JOINTS SHALL BE AS SHOWN OR AS APPROVED BY THE CONTRACTING OFFICER.
3. FOR GENERAL REINFORCEMENT NOTES, SEE SHEET 67.
4. FINISH FOR CONCRETE SURFACES SHALL BE AS FOLLOWS:
 (1) CLASS B - ALL FORMED SURFACES, EXCEPT AS NOTED IN (2).
 (2) CLASS D - SURFACES AGAINST WHICH CONCRETE OR FILL IS TO BE PLACED.
5. ALL EXPOSED UNFORMED SURFACES TO BE WOOD FLOAT FINISHED, UNLESS OTHERWISE NOTED.
6. WORKING STRESSES FOR STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE A.I.S.C., USING 93% OF THE A.I.S.C. ALLOWABLE STRESS, UNLESS OTHERWISE SHOWN OR SPECIFIED.

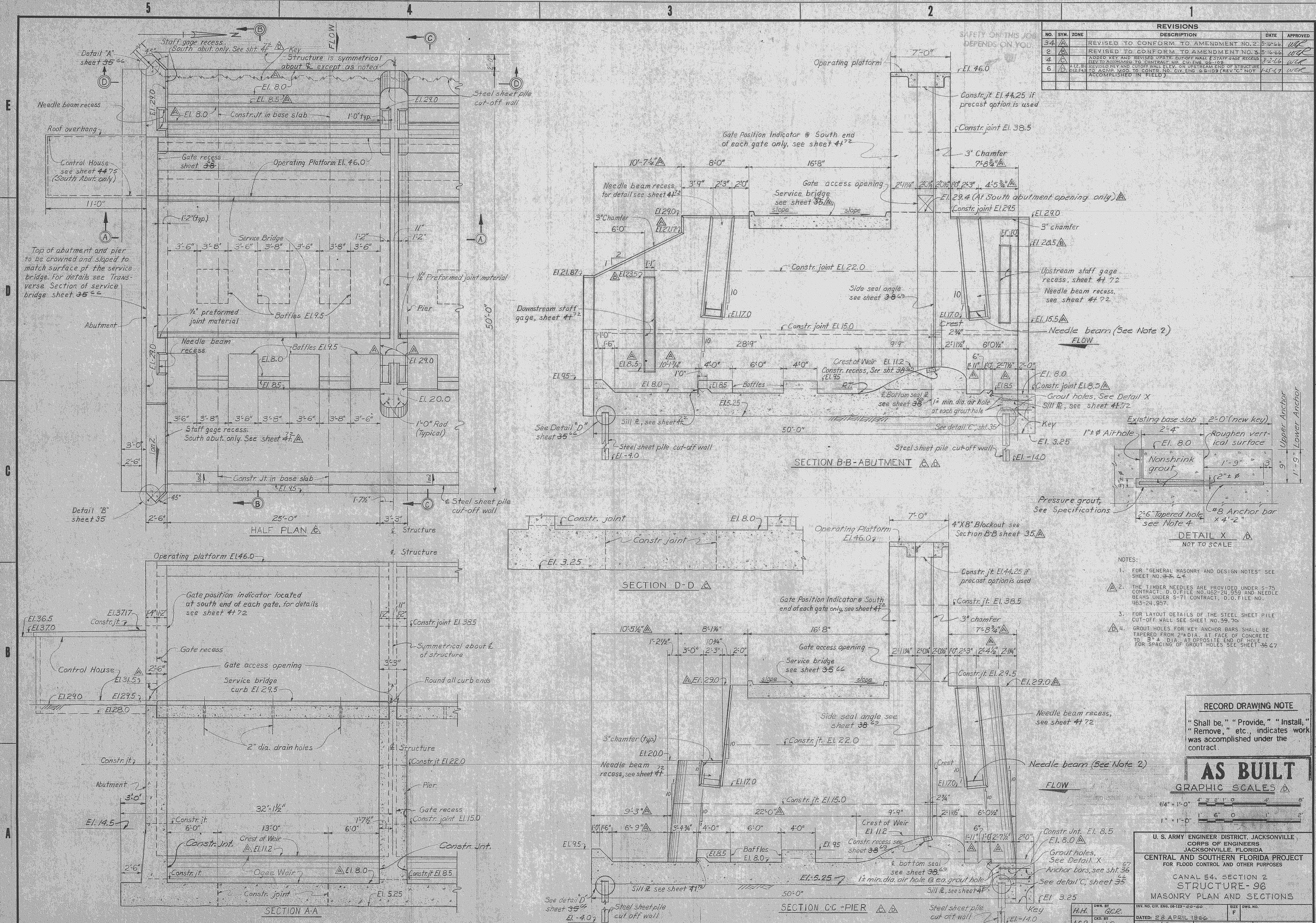


AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
 CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA
CENTRAL AND SOUTHERN FLORIDA PROJECT
 FOR FLOOD CONTROL AND OTHER PURPOSES
 CANAL 54, SECTION 2
 STRUCTURE - 96
 GENERAL PLAN AND SECTIONS

H.H.	D.W.	INV. NO. CIV. ENG. 08-133-66-60	SIZE	DWG. NO.
A.S.P.	B.G.W.	DATED: 23 APRIL 1966	F	1
SCALE: AS SHOWN		DATED: APRIL 1966	SHEET 93 OF 92	

REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
34			REVISED TO CONFORM TO AMENDMENT NO. 2	5-16-66	WLR
2			REVISED TO CONFORM TO AMENDMENT NO. 3	5-16-66	WLR
4			ADDED KEY AND REVISED UPSTR. CUT-OFF WALL & STAFF GAGE RECESS FIELD TO ACCORDANCE TO CONTRACT NO. 496-29-370	8-2-66	WLR
6			REVISED KEY AND CUT-OFF WALL ELEV. ON UPSTREAM END OF STRUCTURE FIELD TO ACCORDANCE TO CONTRACT NO. CIV. ENG. 496-109 (REV. C) NOT ACCOMPLISHED IN FIELD	1-25-67	WLR



- NOTES:
- FOR "GENERAL MASONRY AND DESIGN NOTES" SEE SHEET NO. 33-4.
 - THE TIMBER NEEDLES ARE PROVIDED UNDER S-75 CONTRACT, D. O. FILE NO. 496-29-370 AND NEEDLE BEAMS UNDER S-71 CONTRACT, D. O. FILE NO. 496-24-957.
 - FOR LAYOUT DETAILS OF THE STEEL SHEET PILE CUT-OFF WALL SEE SHEET NO. 39-70.
 - GROUT HOLES FOR KEY ANCHOR BARS SHALL BE TAPERED FROM 2" DIA. AT FACE OF CONCRETE TO 3" DIA. AT OPPOSITE END OF HOLE. FOR SPACING OF GROUT HOLES SEE SHEET 36-67.

RECORD DRAWING NOTE

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

AS BUILT

GRAPHIC SCALES

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

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE, FLORIDA
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CENTRAL AND SOUTHERN FLORIDA PROJECT
FOR FLOOD CONTROL AND OTHER PURPOSES

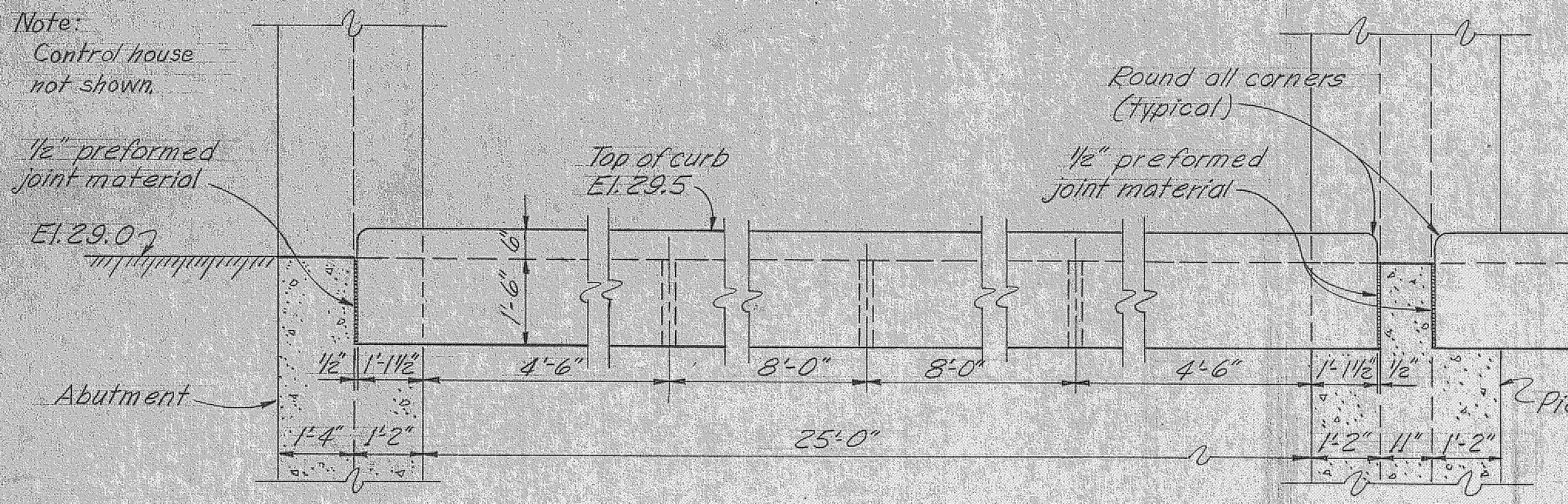
CANAL 54, SECTION 2
STRUCTURE-96
MASONRY PLAN AND SECTIONS

DW. BY: H.H. G.C.R.
CHK. BY: ASP. J.C.

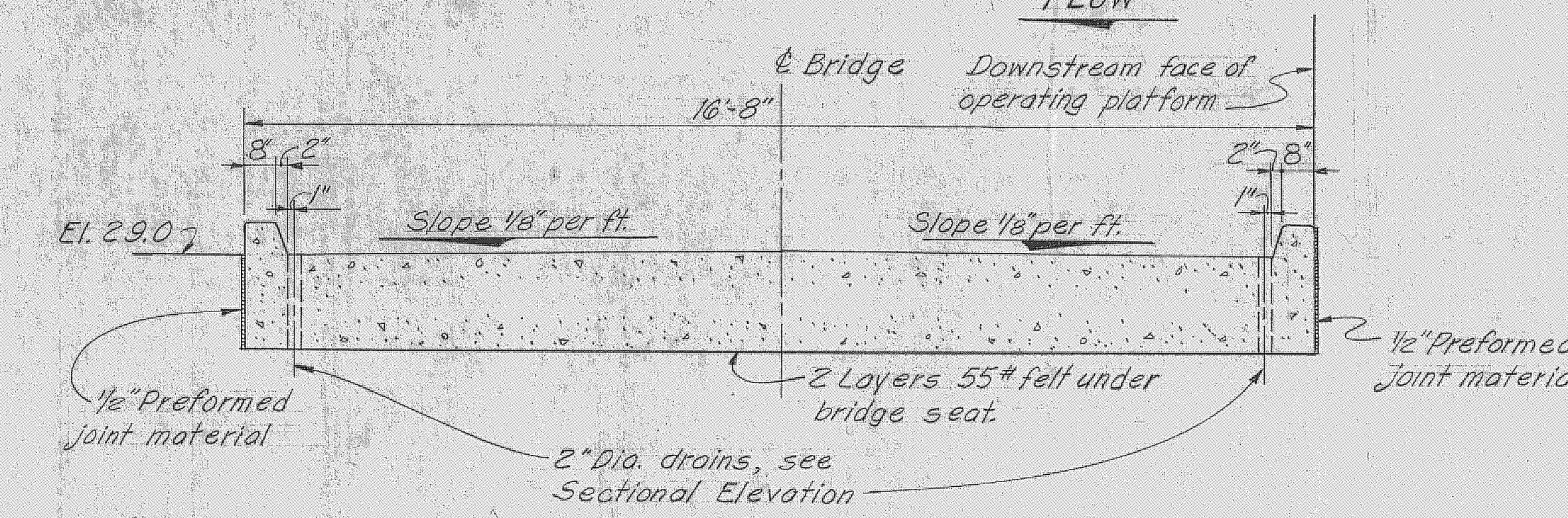
DATE: 28 APRIL 1966
SCALE: 1/4" = 1'-0" DATE: APRIL 1966 SHEET 34 OF 72

D. O. FILE NO. 496-29-370 496-30 952

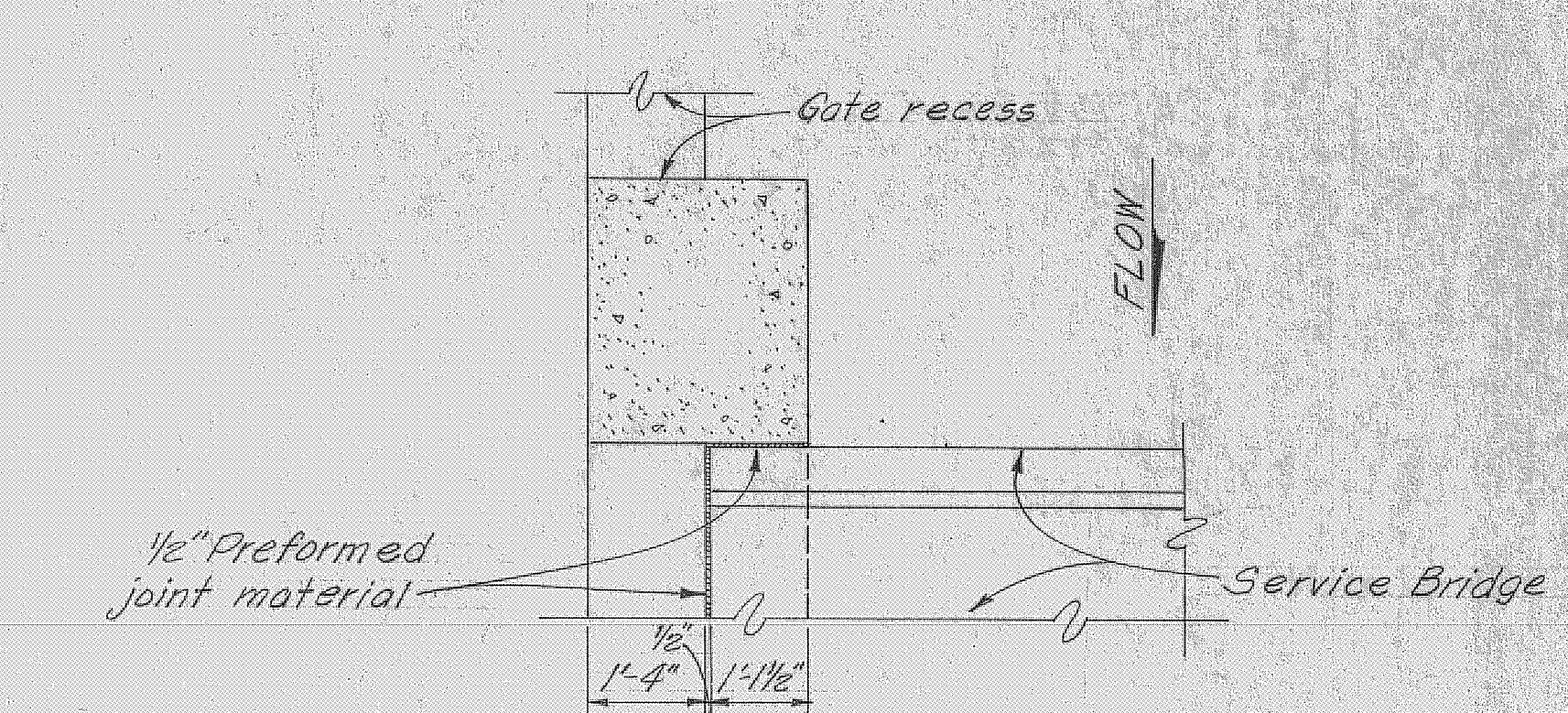
REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
3	△		REVISED TO CONFORM TO AMENDMENT NO. 2.	5-16-66	WPC
4	△		ADDED UPSTREAM KEY AND REVISED UPSTREAM CUT-OFF WALL ELEVATION TO ACCOMPANY MGD. TO CONTRACT NO. CIV. ENG. 46-103.	7-2-66	WPC
1	△	A-344	REVISED PORTION OF Ogee Weir Detail to ACCLY. MOD. TO CONTRACT NO. CIV. ENG. 46-103.	1-25-67	WPC



SECTIONAL ELEVATION

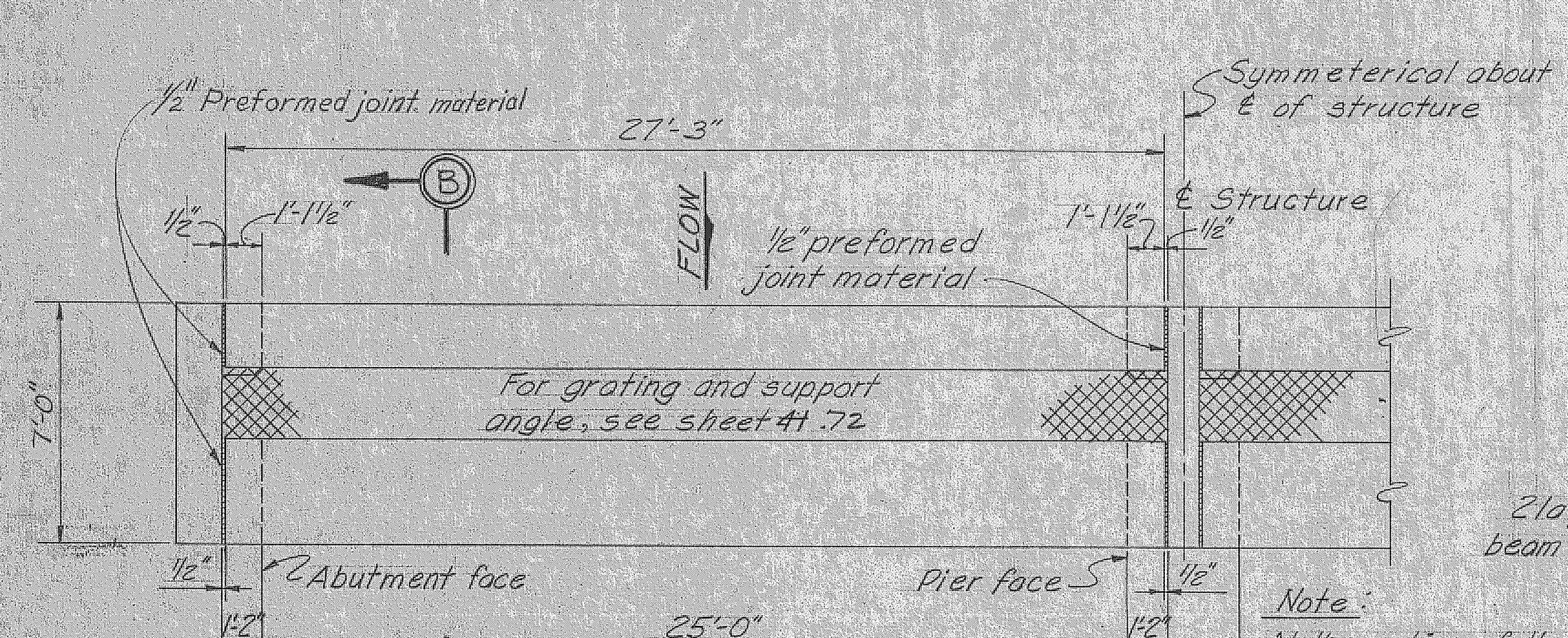


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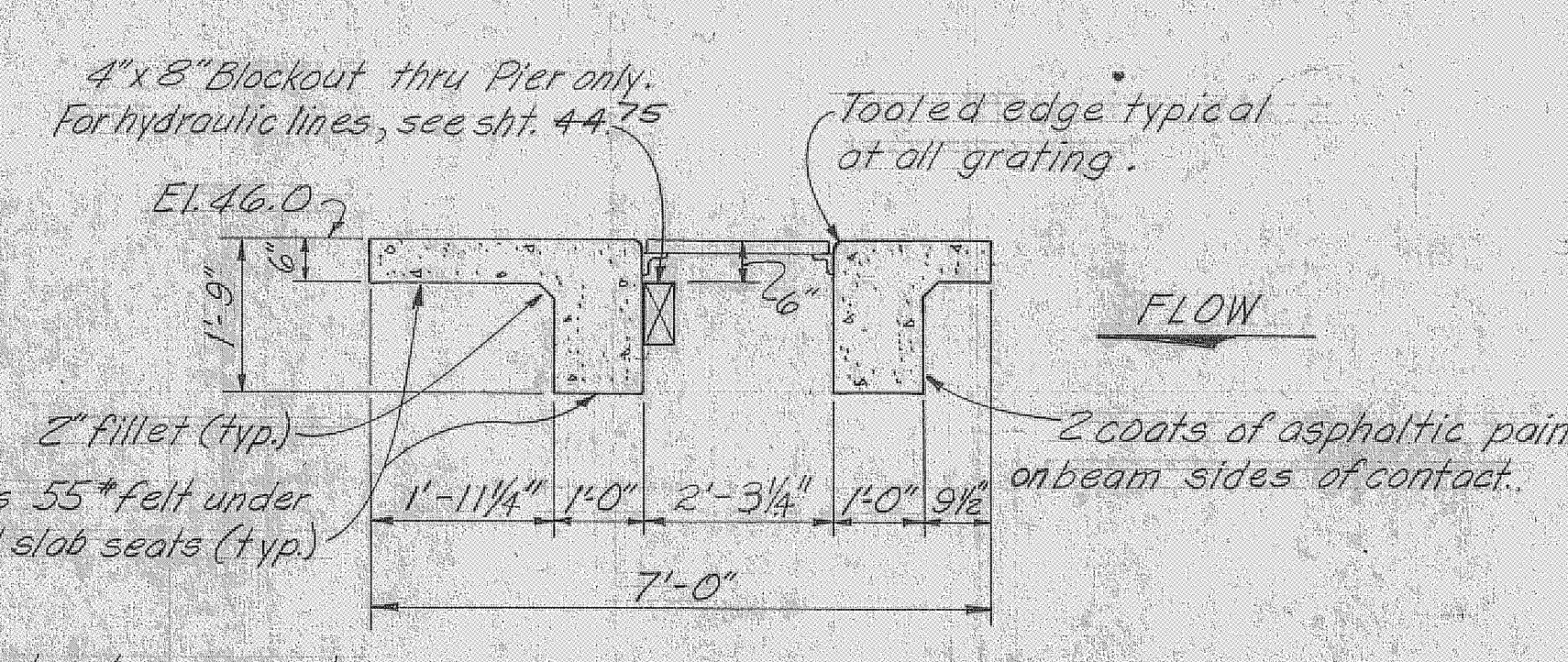
SECTION A-A
SCALE: 1/2" = 1'-0"

SERVICE BRIDGE
SCALE: 1/2" = 1'-0"

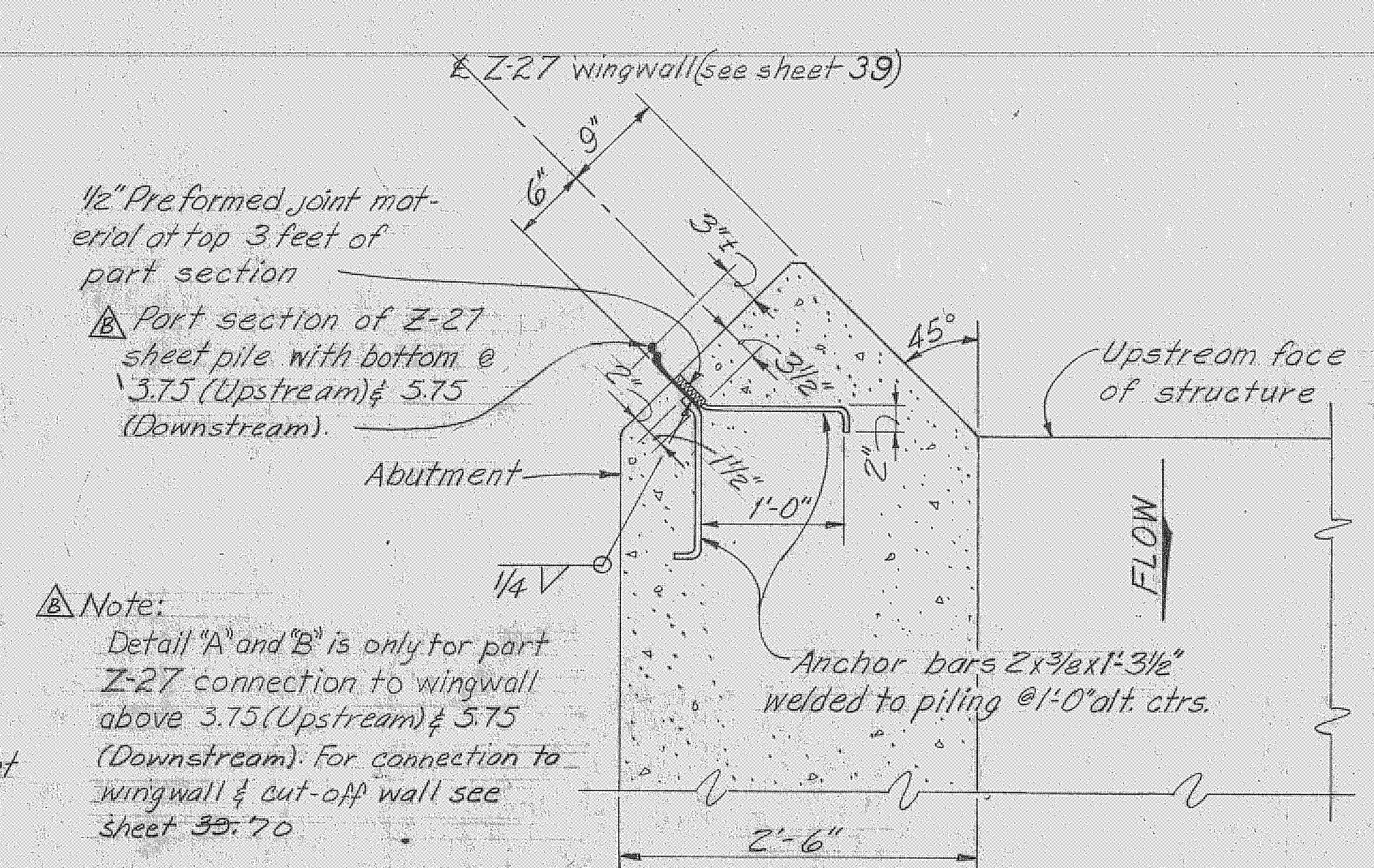


PLAN
SCALE: 1/4" = 1'-0"

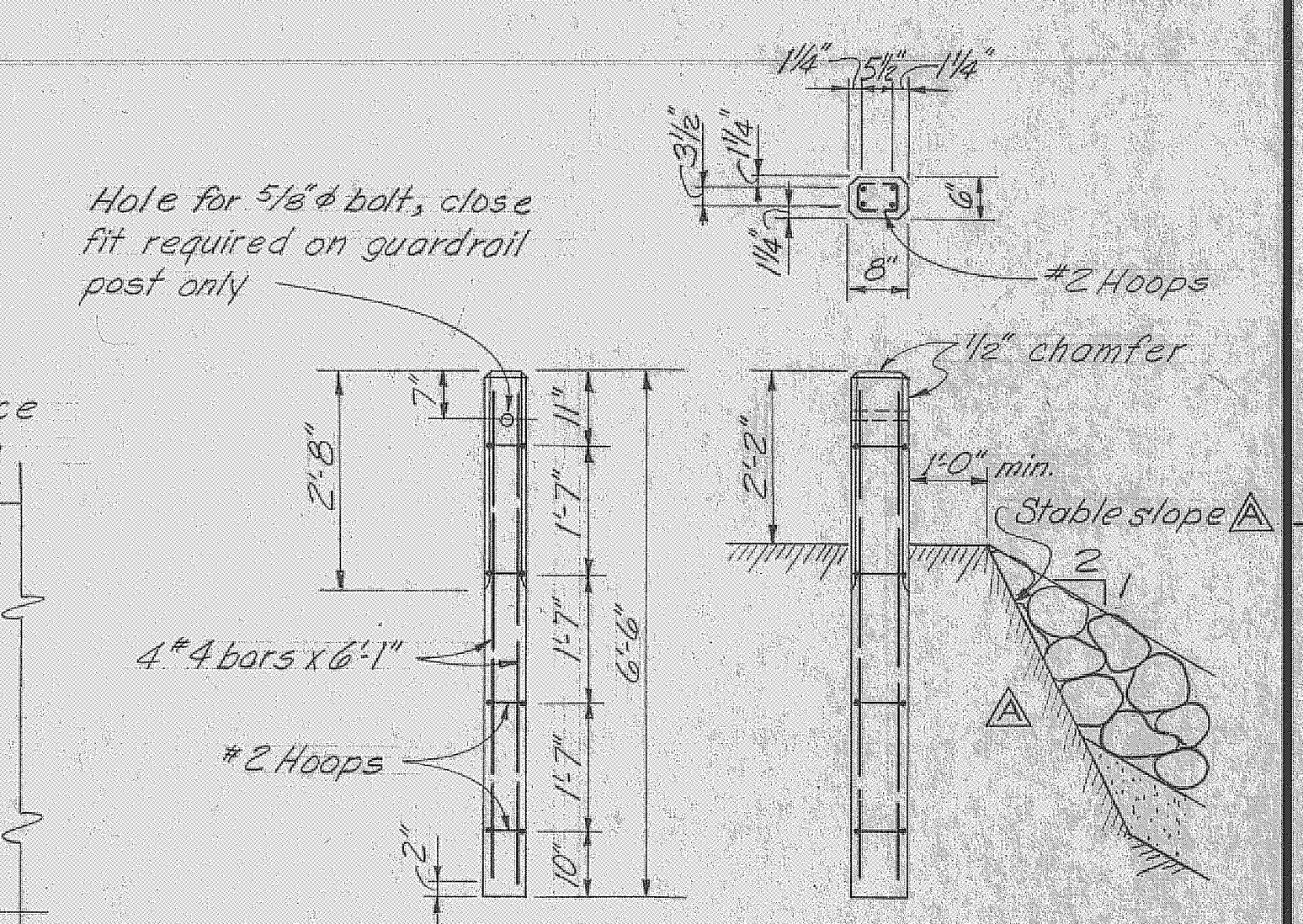
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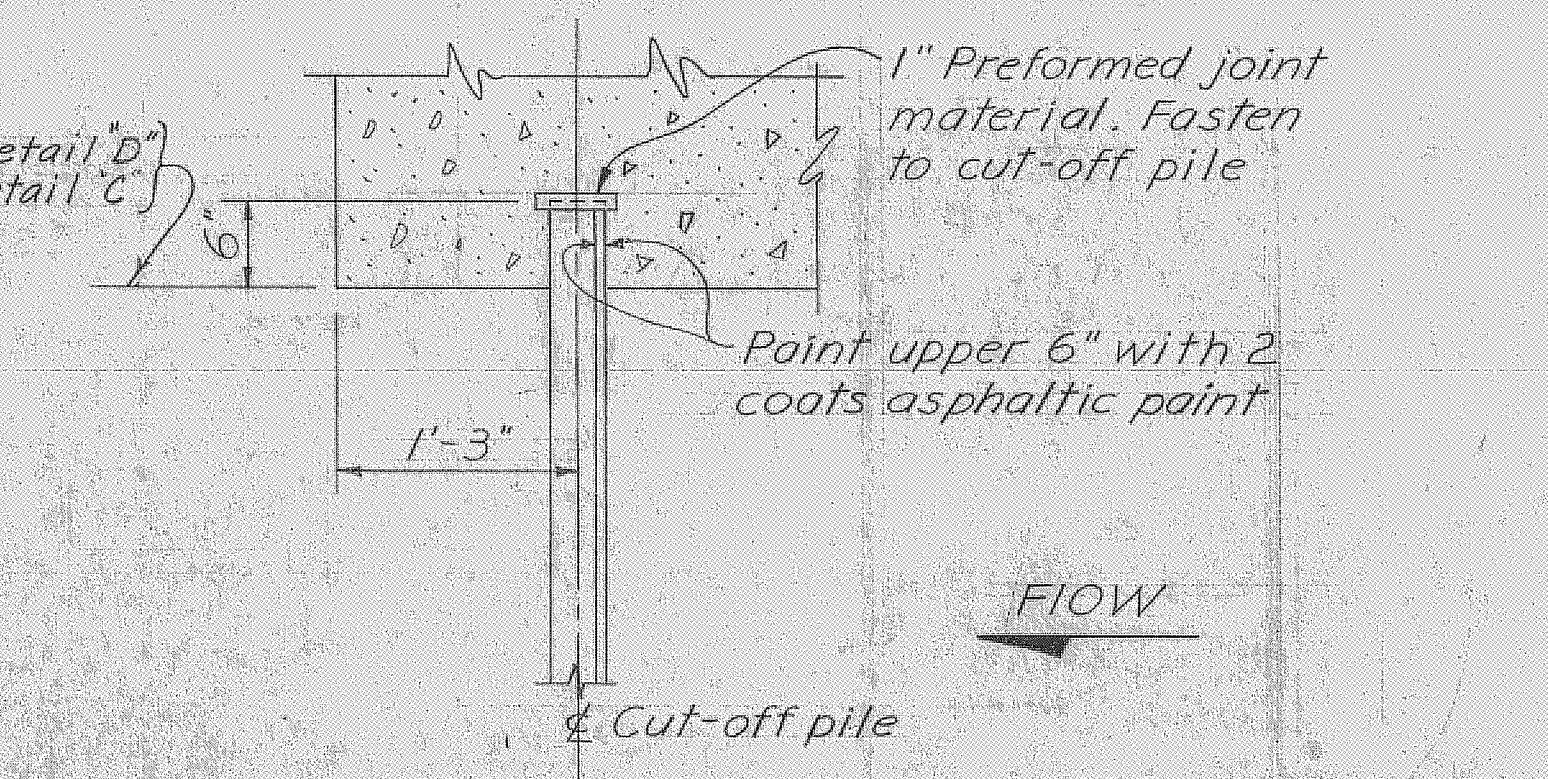
SECTION B-B
SCALE: 1/2" = 1'-0"



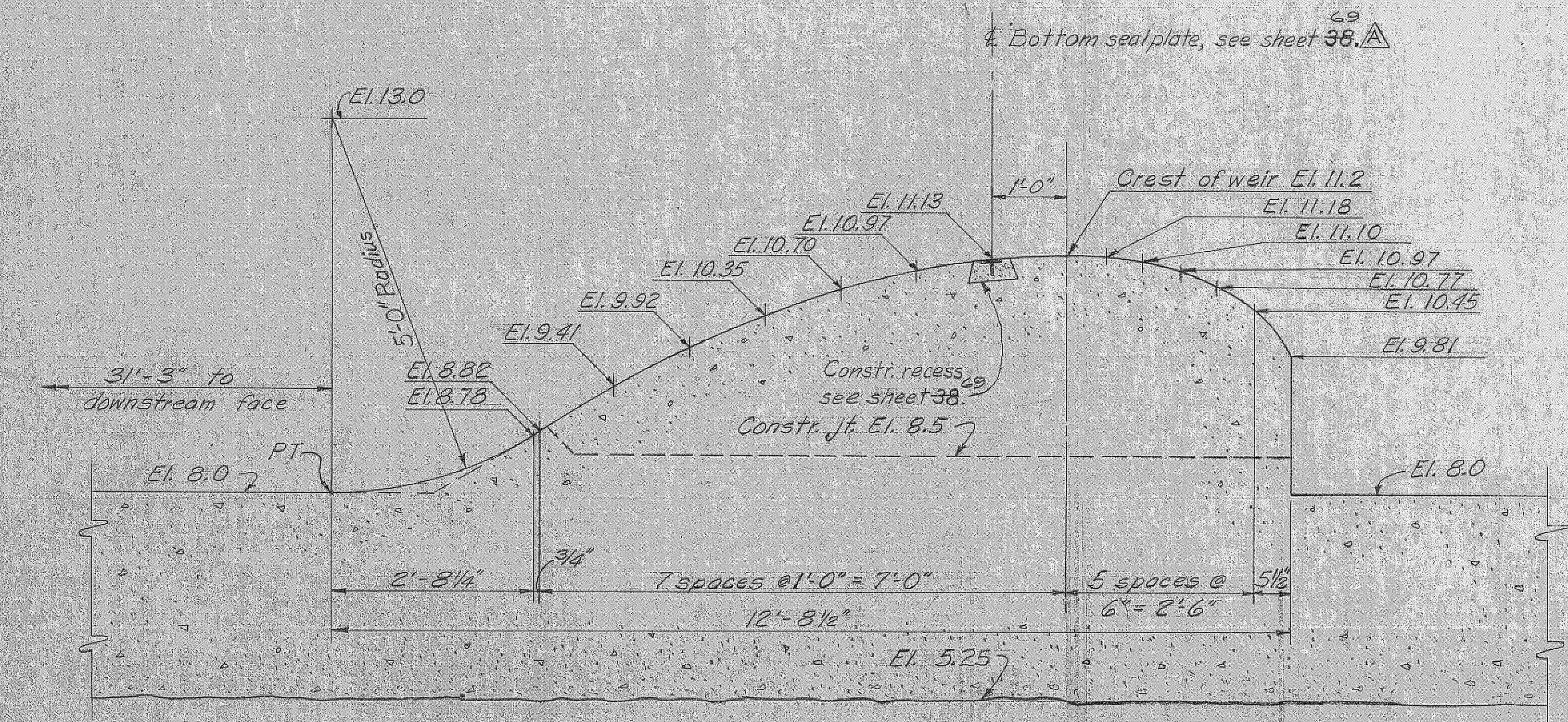
DETAIL "A" AS SHOWN
DETAIL "B" OPPOSITE HAND
SCALE: 1" = 1'-0"



BARRIER POST 4 REQUIRED
GUARDRAIL POST 20 REQUIRED
SCALE: 1/2" = 1'-0"



DETAIL "D" - AS SHOWN
DETAIL "C" - OPP. HAND
SCALE: 1" = 1'-0"



OGEE WEIR
SCALE: 3/4" = 1'-0"

NOTE:
1. SEE NOTES ON SHEET 34, 45

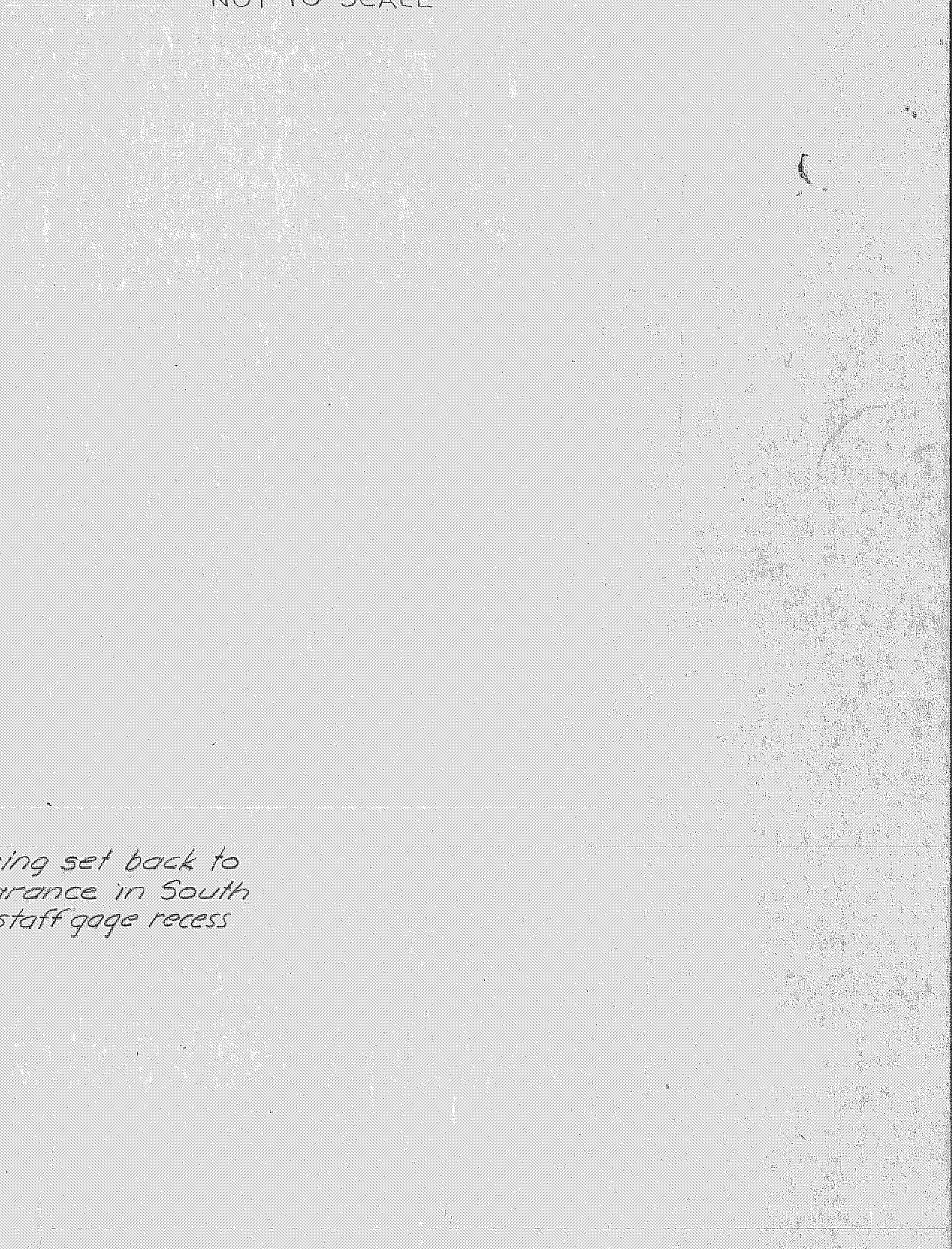
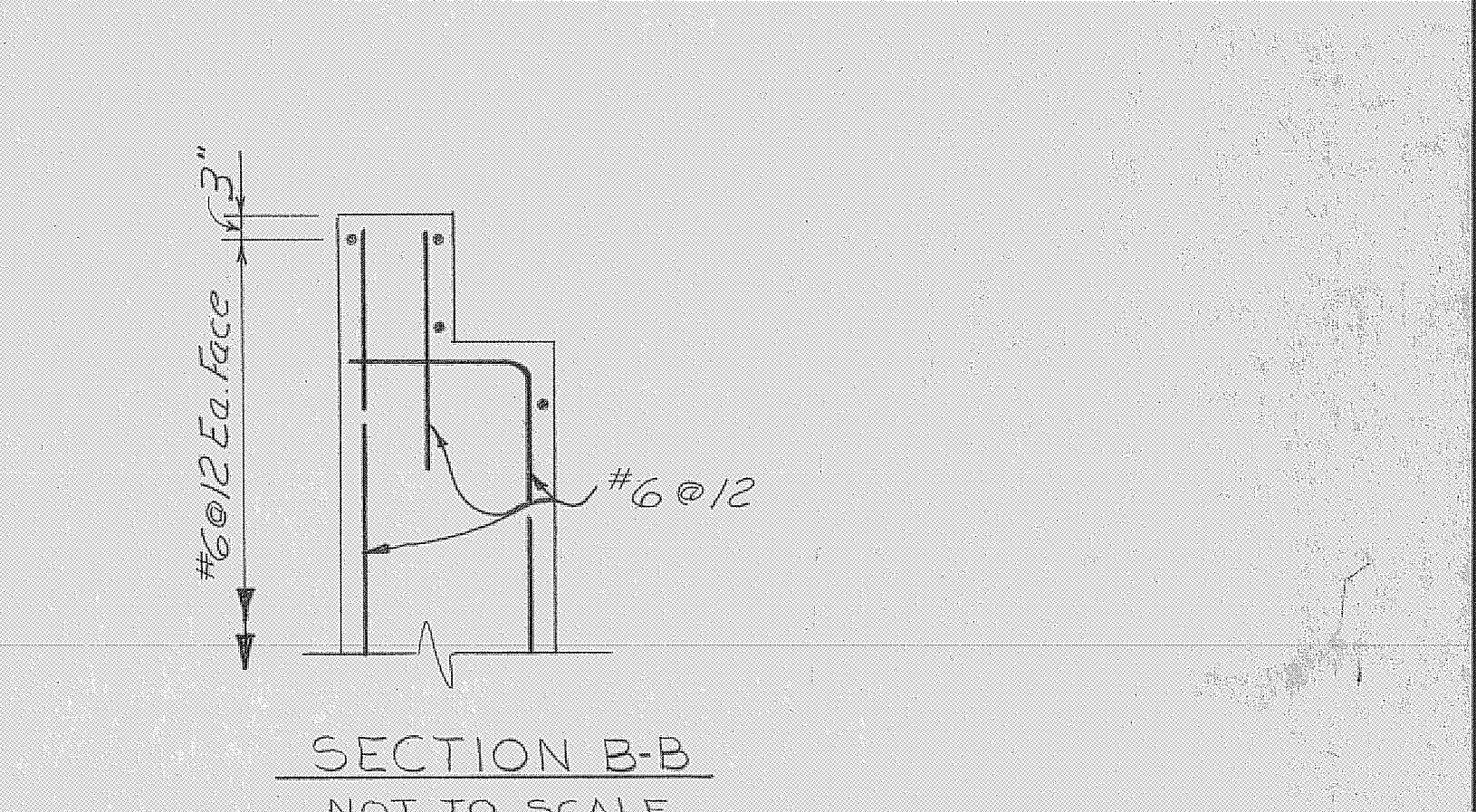
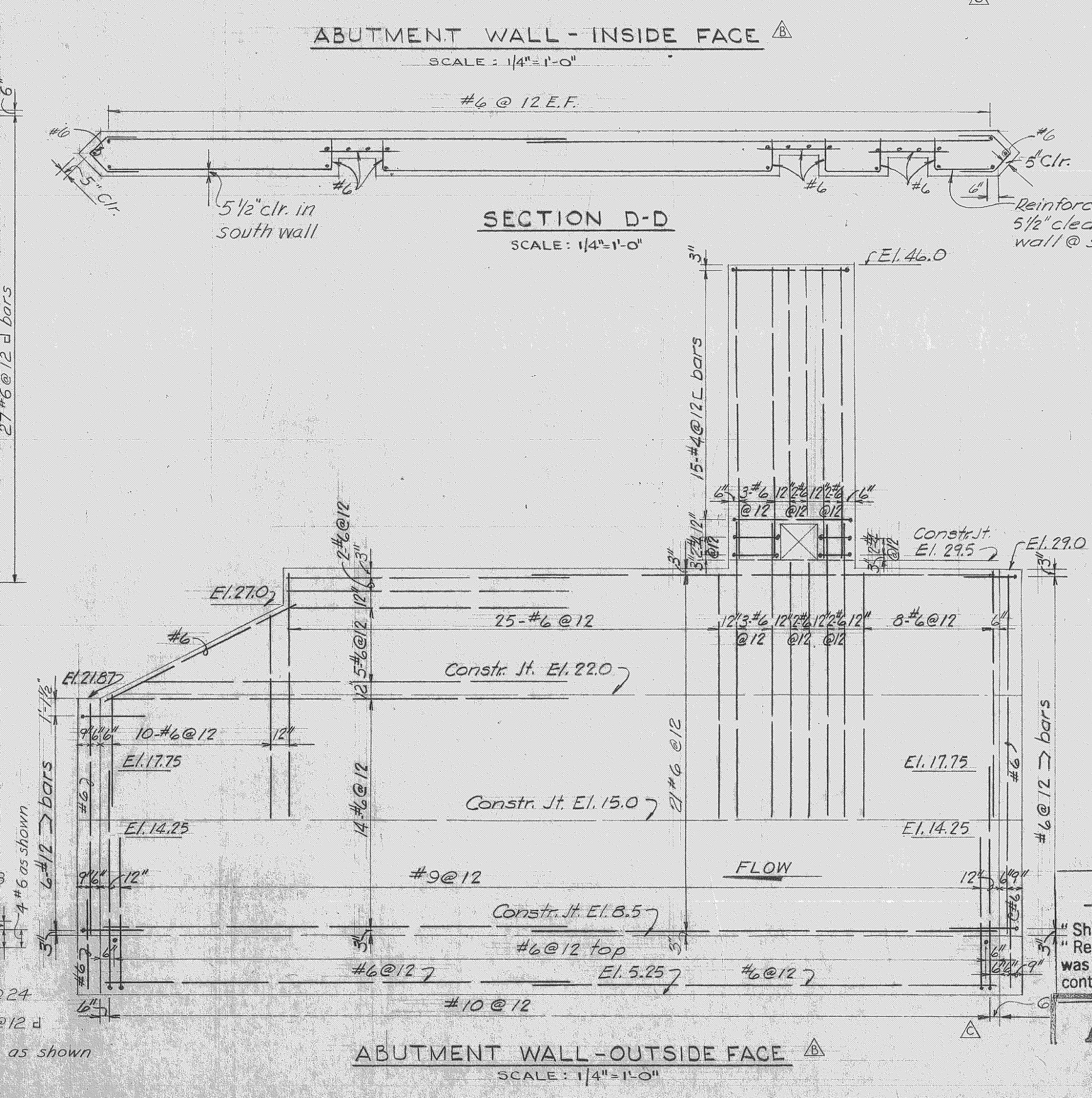
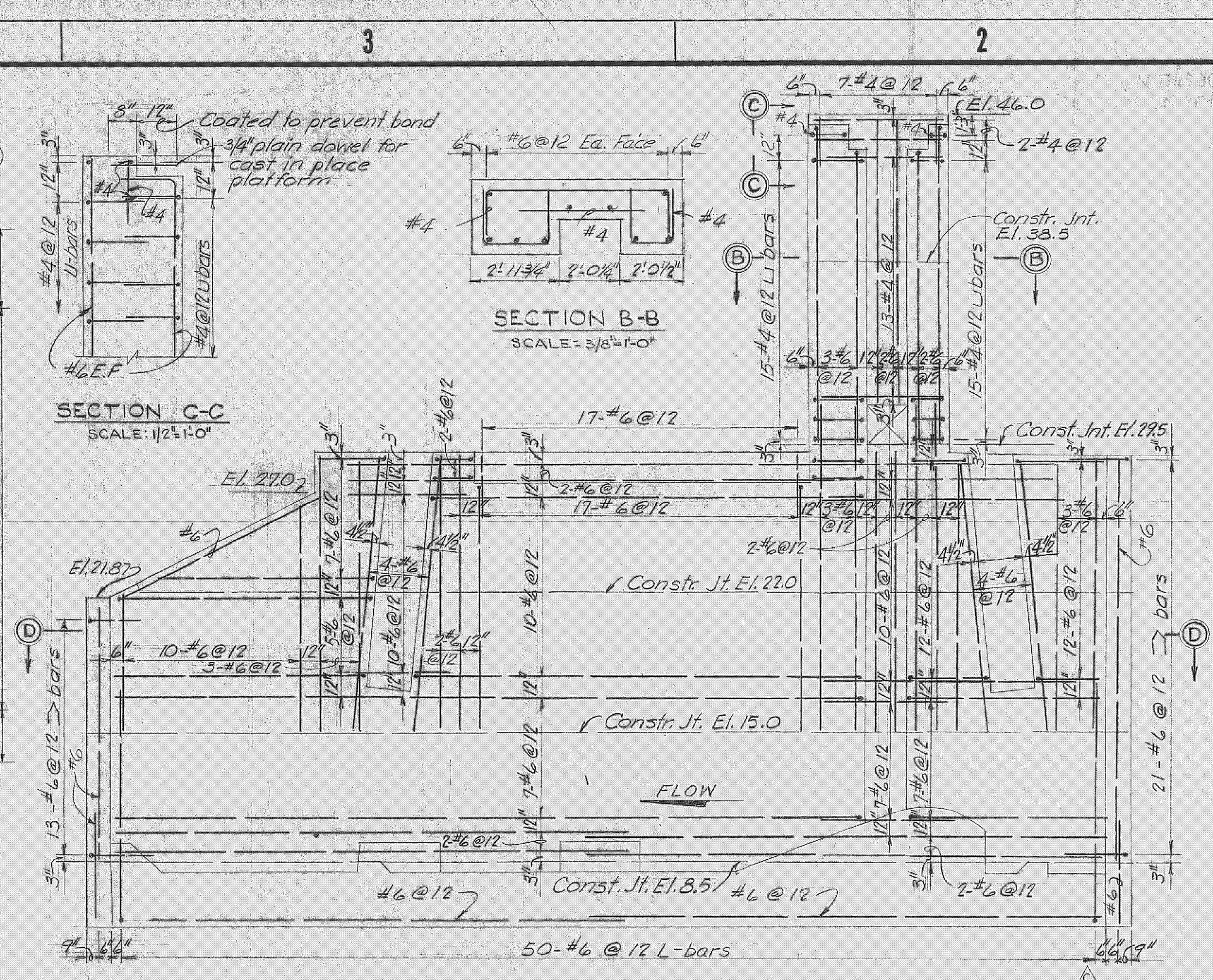
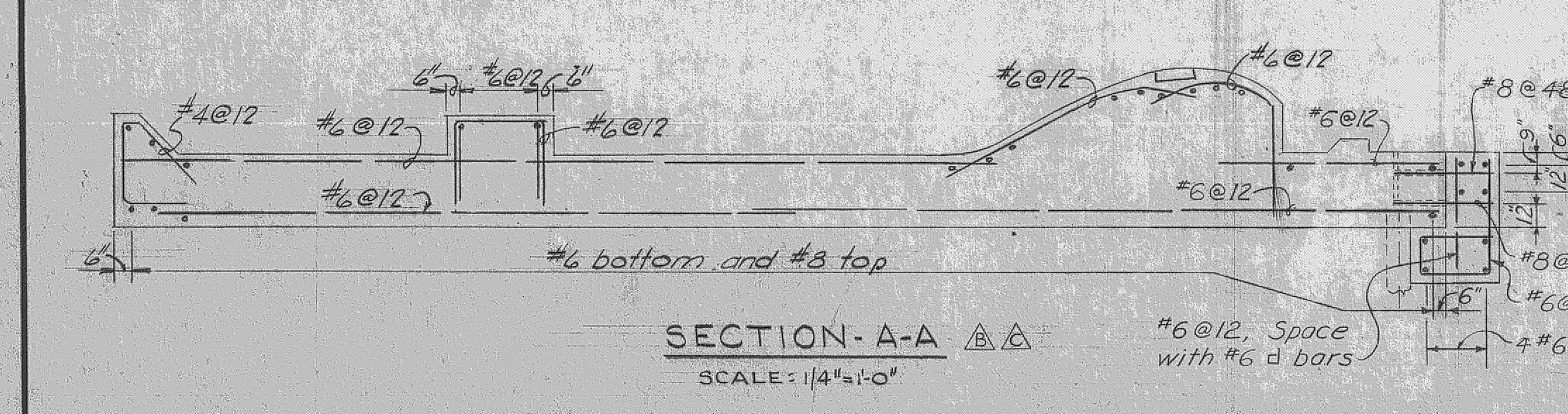
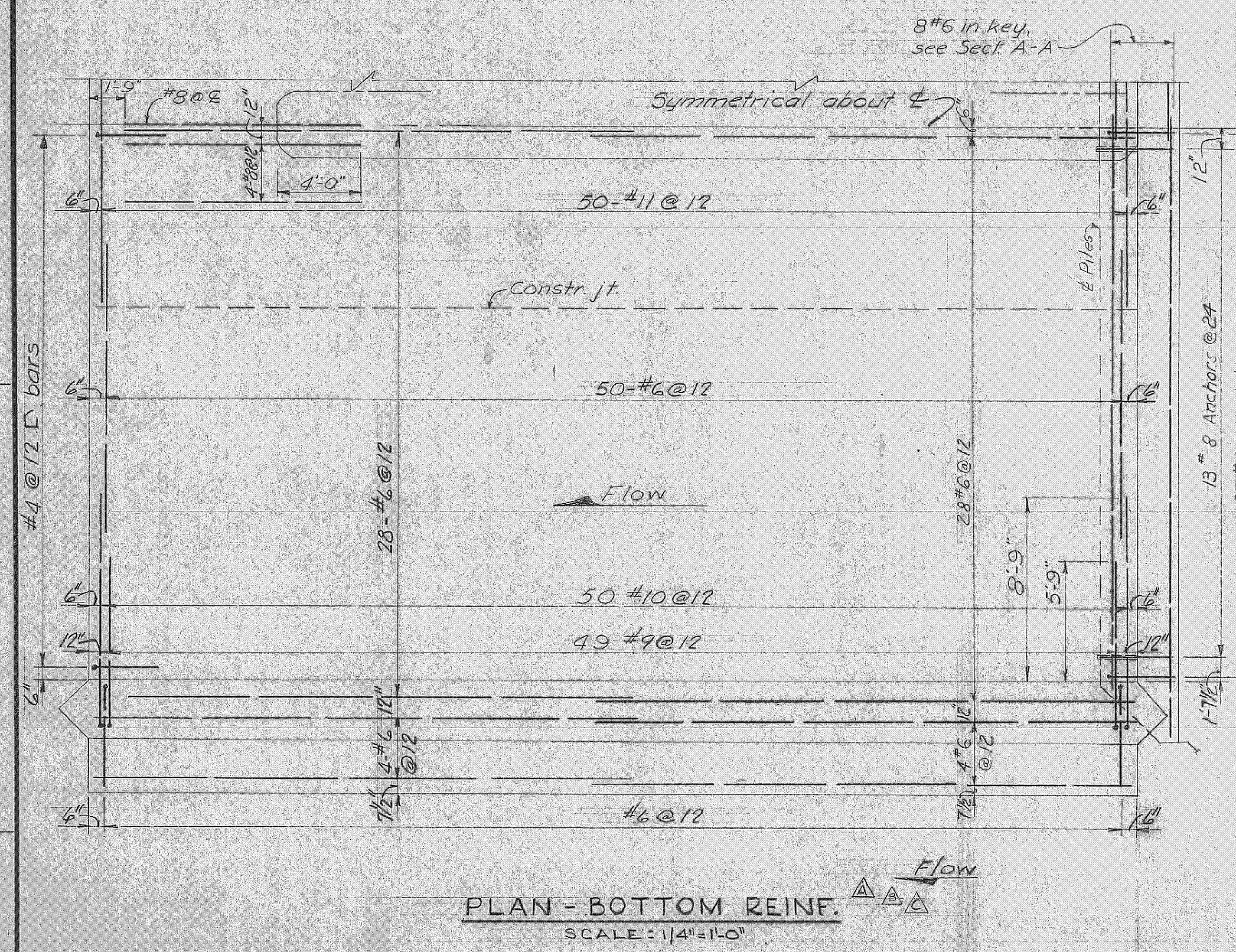
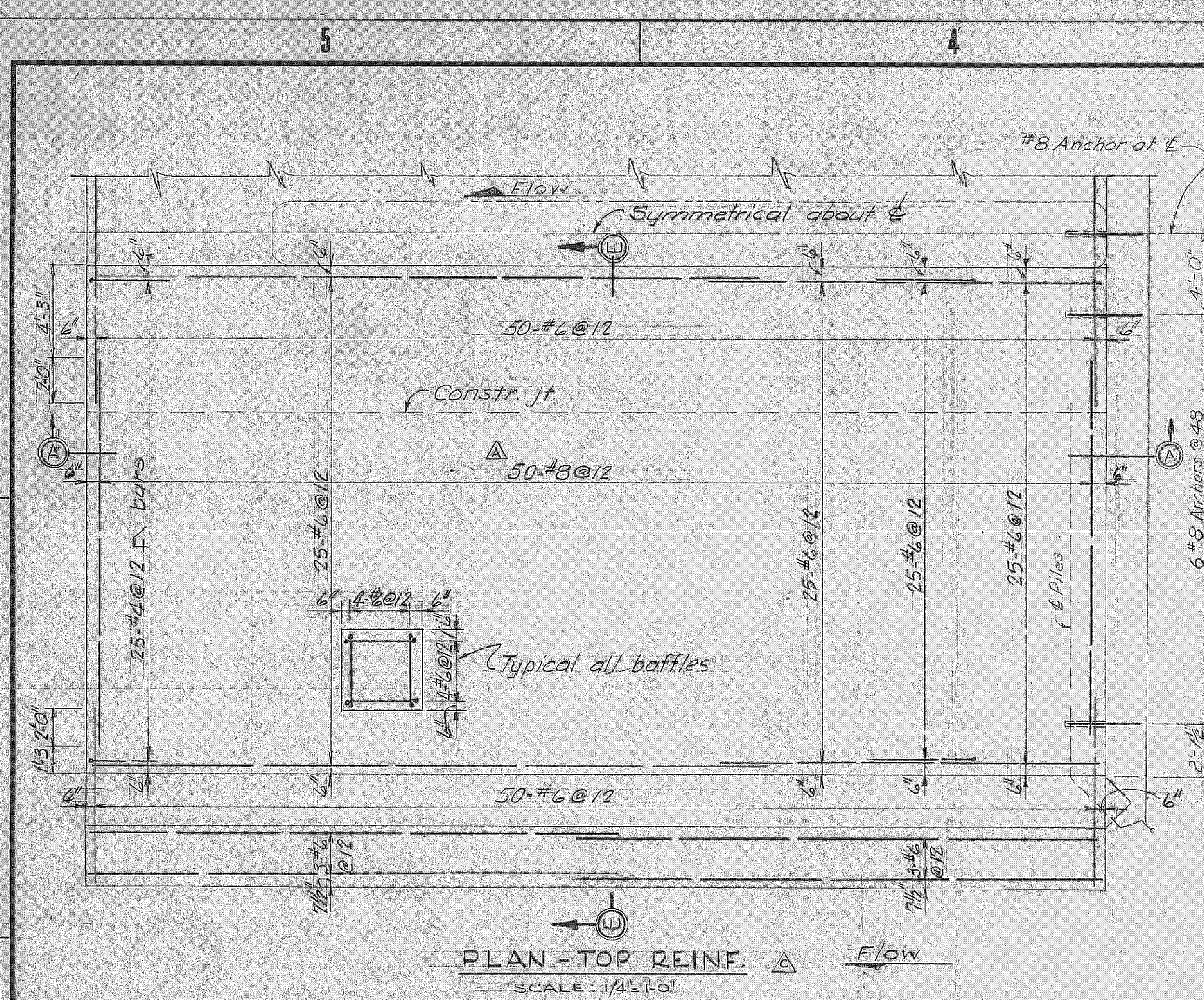
RECORD DRAWING NOTE
"Shall be," "Provide," "Install," "Remove" etc., indicates work was accomplished under the contract.

GRAPHIC SCALES
1/4" = 1'-0"
1/2" = 1'-0"
3/4" = 1'-0"
1" = 1'-0"

AS BUILT
U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
CENTRAL AND SOUTHERN FLORIDA PROJECT
FOR FLOOD CONTROL AND OTHER PURPOSES
CANAL 54, SECTION 2
STRUCTURE - 96
MASONRY DETAILS

OWN. BY: H.H.H. INV. NO. CIV. ENG. 08-123-66-66
DESIGNED BY: H.H.H. DATED: 23 APRIL 1966
CHECKED BY: A.S.P. J.C. SCALE: AS SHOWN DATED: APRIL 1966 SHEET 95 OF 72

REVISIONS					
NO.	SYMBOL	ZONE	DESCRIPTION	DATE	APPROVED
2	△		REVISED TO CONFORM TO AMENDMENT NO. 3	5-16-66	WBC
4	△		ADDED KEY TO ACCOMP. MOD. TO CONT. CIV. ENG. 66-109	8-7-66	WBC
5	△		ADDED KEY TO ACCOMP. MOD. TO CONTR. CIV. ENG. 66-109 (REVISION "C" NOT ACCOMPLISHED IN FIELD)	12-23-66	WBC



GENERAL REINFORCEMENT NOTES:

- THE CLEAR DISTANCE BETWEEN CONCRETE SURFACES AND REINFORCING BARS SHALL BE 2-1/2 INCHES FOR FORMED SURFACES AND 4 INCHES WHERE CONCRETE IS PLACED AGAINST EARTH OR ROCK, UNLESS SHOWN OTHERWISE.
- UNLESS OTHERWISE SHOWN, THE LENGTH OF LAP AND EMBEDMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE:

BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
LAPPED SPLICE	1'-0"	1'-2"	1'-6"	1'-10"	2'-1"	2'-6"	1'-3"	4'-1"	5'-1"
EMBEDMENT	0'-6"	0'-9"	1'-0"	1'-3"	1'-6"	1'-9"	2'-3"	2'-9"	3'-6"

A. FOR DIFFERENT SIZE BARS, THE SPLICE LENGTH SHALL BE BASED ON THE SMALLER BAR.
 B. EMBEDMENT MEANS THE AMOUNT OF BAR EXTENSION BEYOND THE FACE OF INTERSECTING CONCRETE MEMBERS.

3. BAR BENDING DETAILS SHALL CONFORM TO A.C.I. STANDARDS 318-65 AND 315-65.

NOTES
 1. For section E-E see sheet 37

GRAPHIC SCALE
 1/4"=1'-0"

RECORD DRAWING NOTE

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

AS BUILT

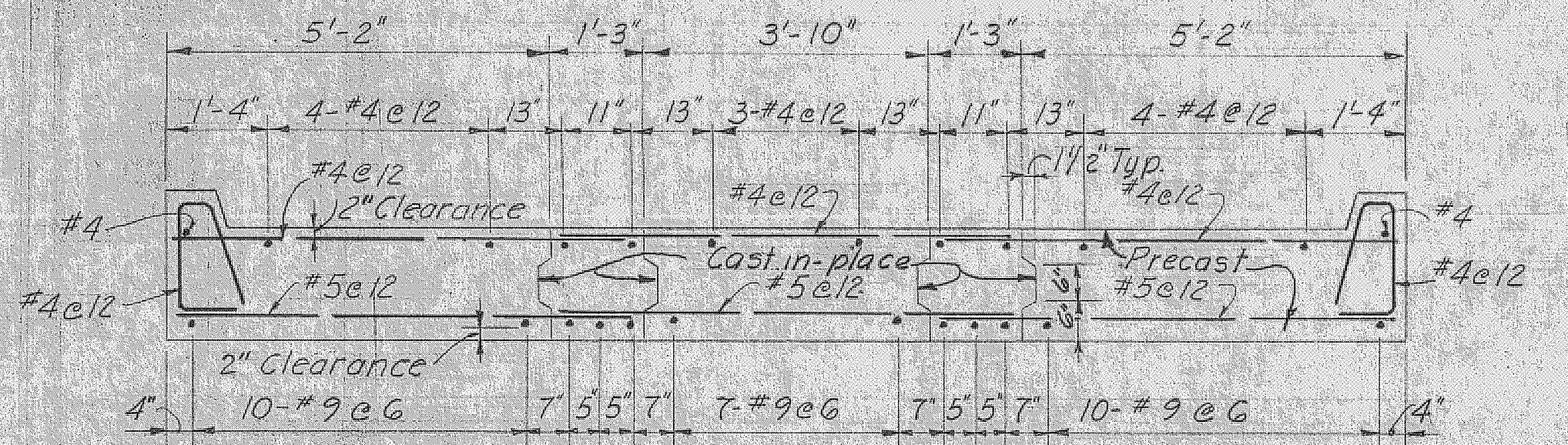
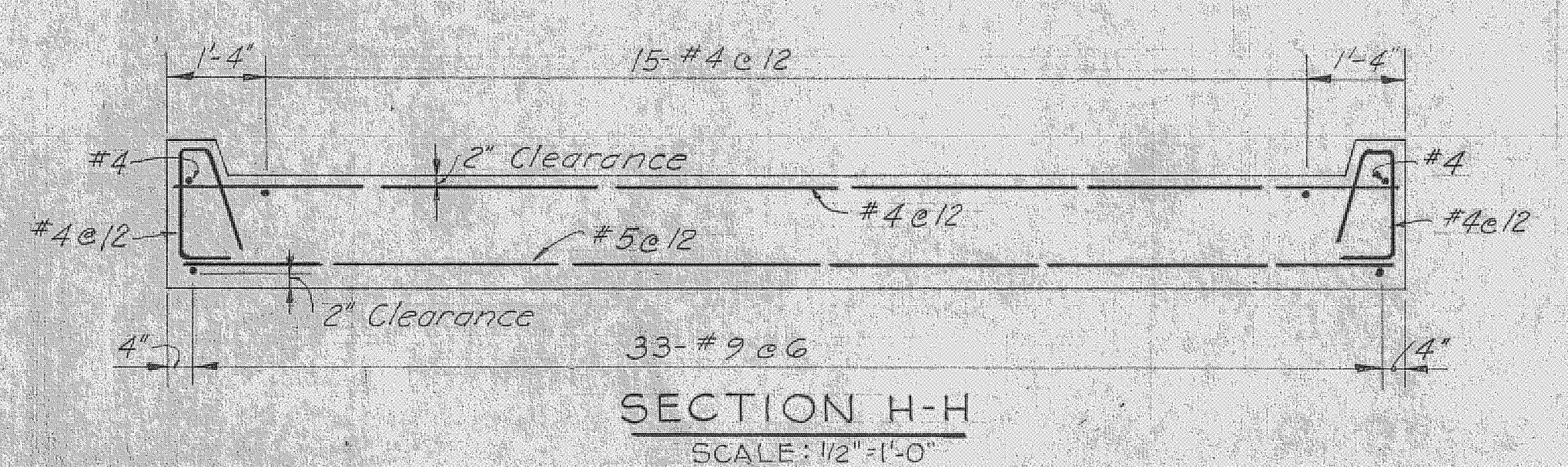
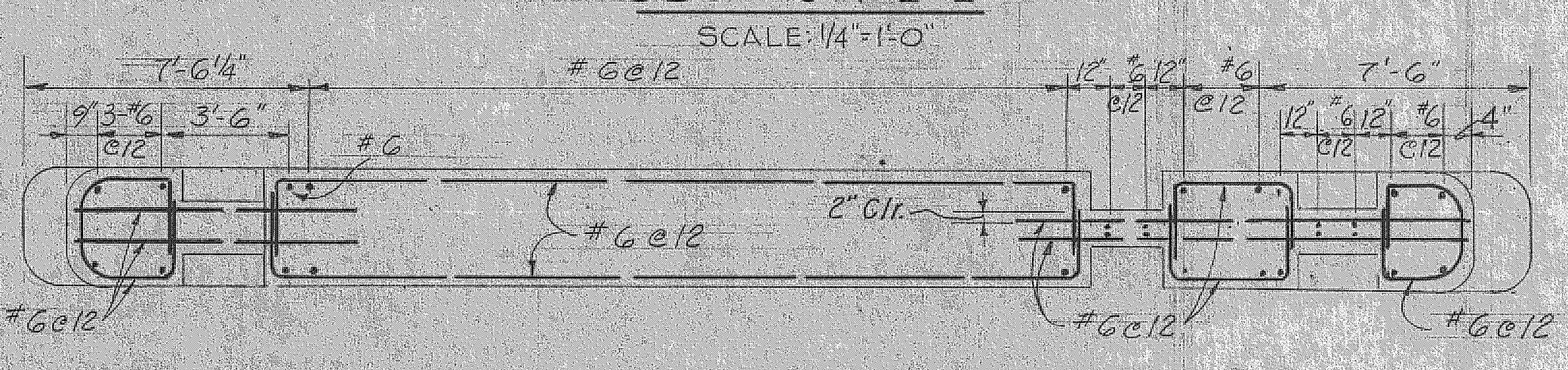
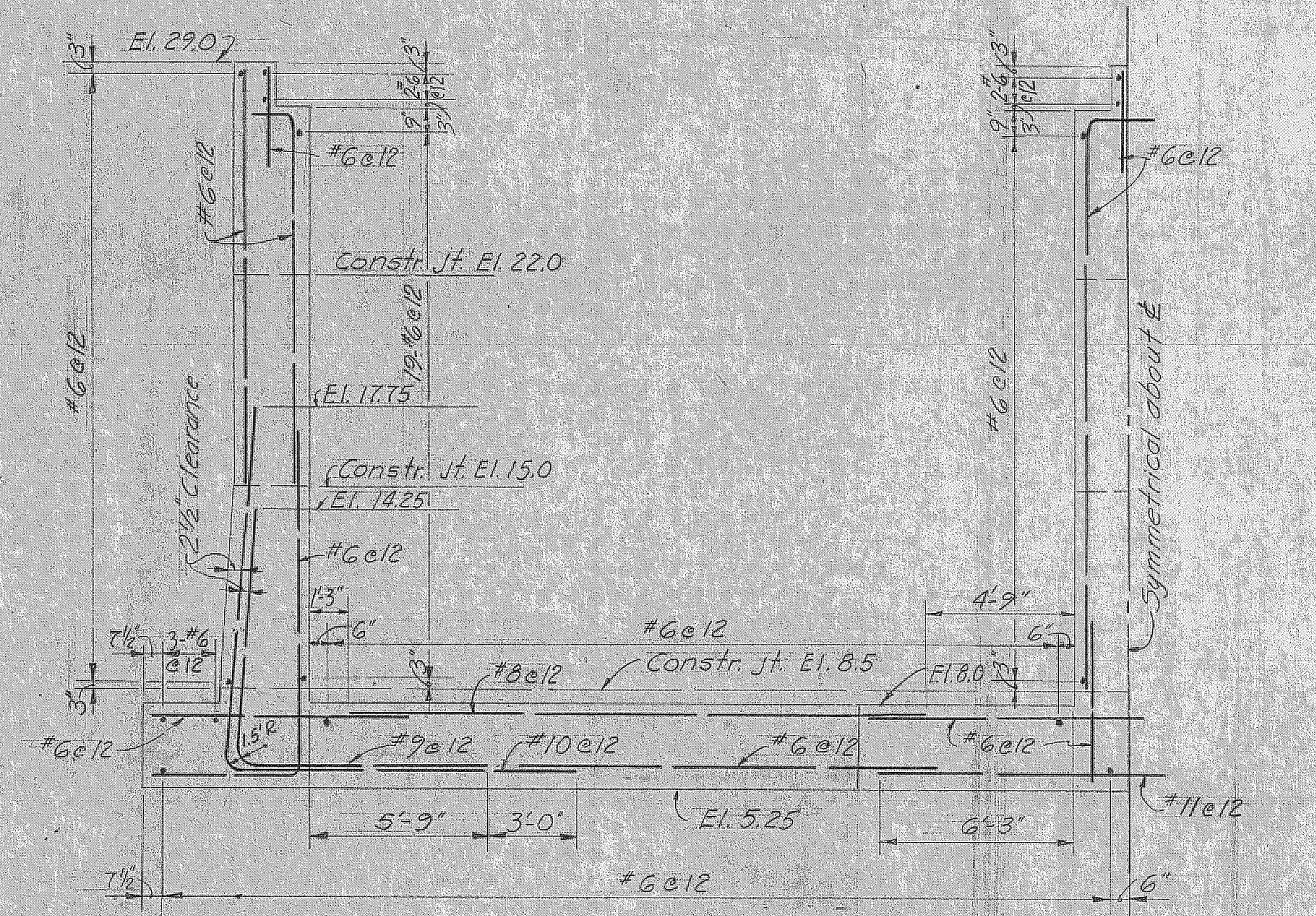
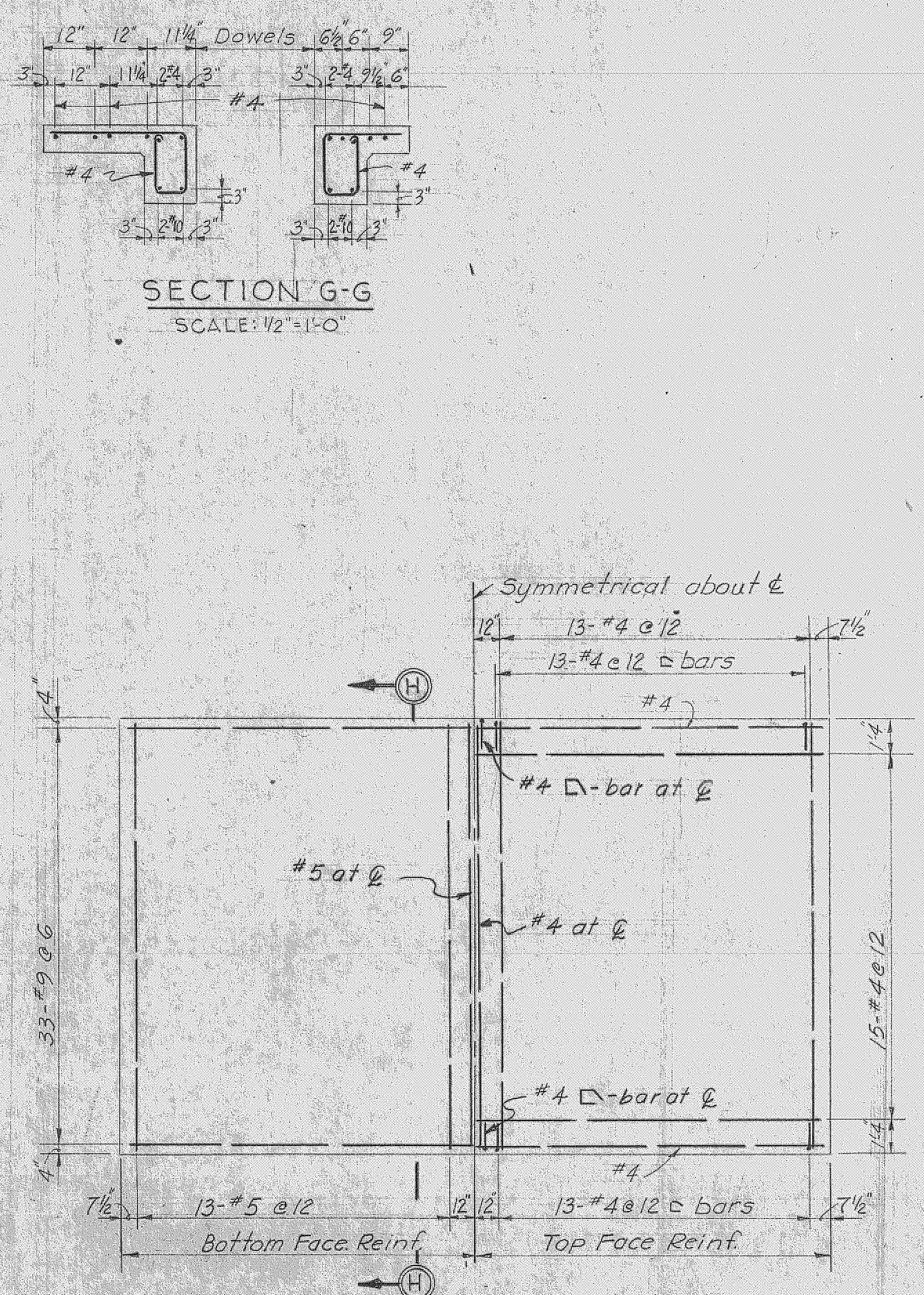
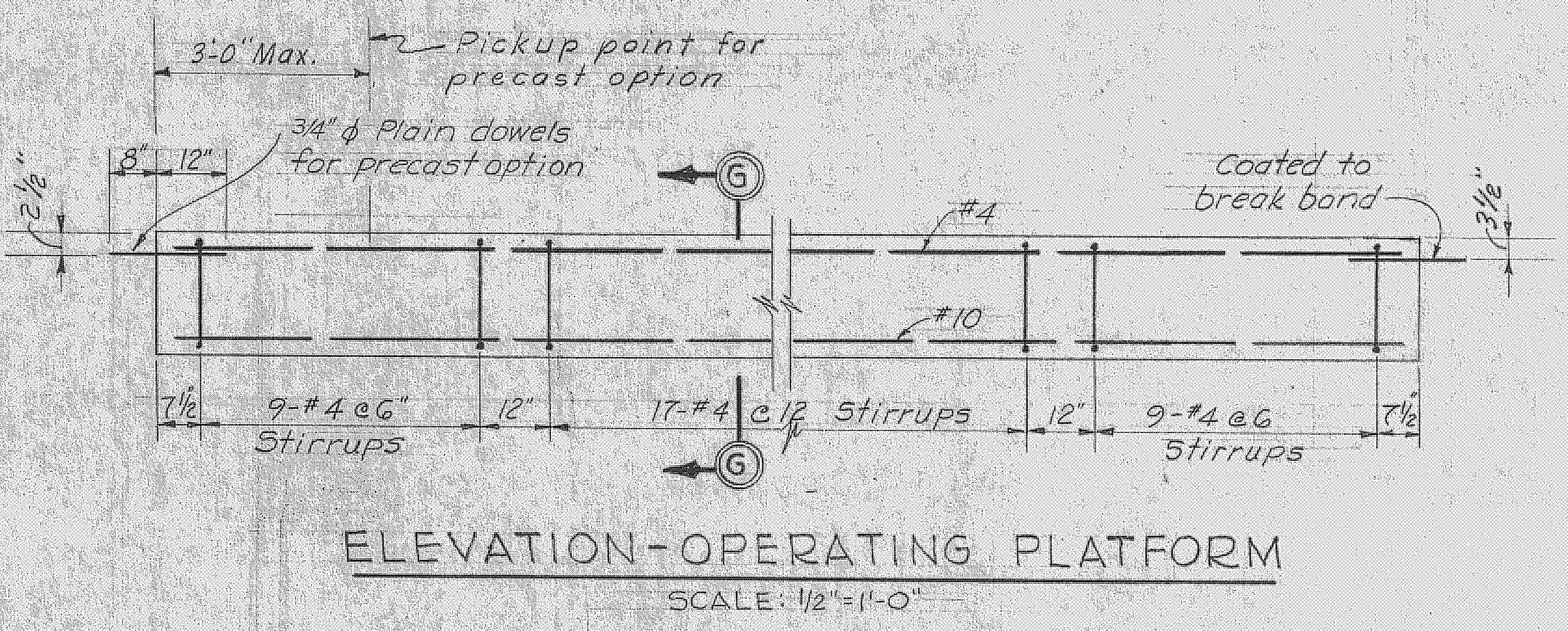
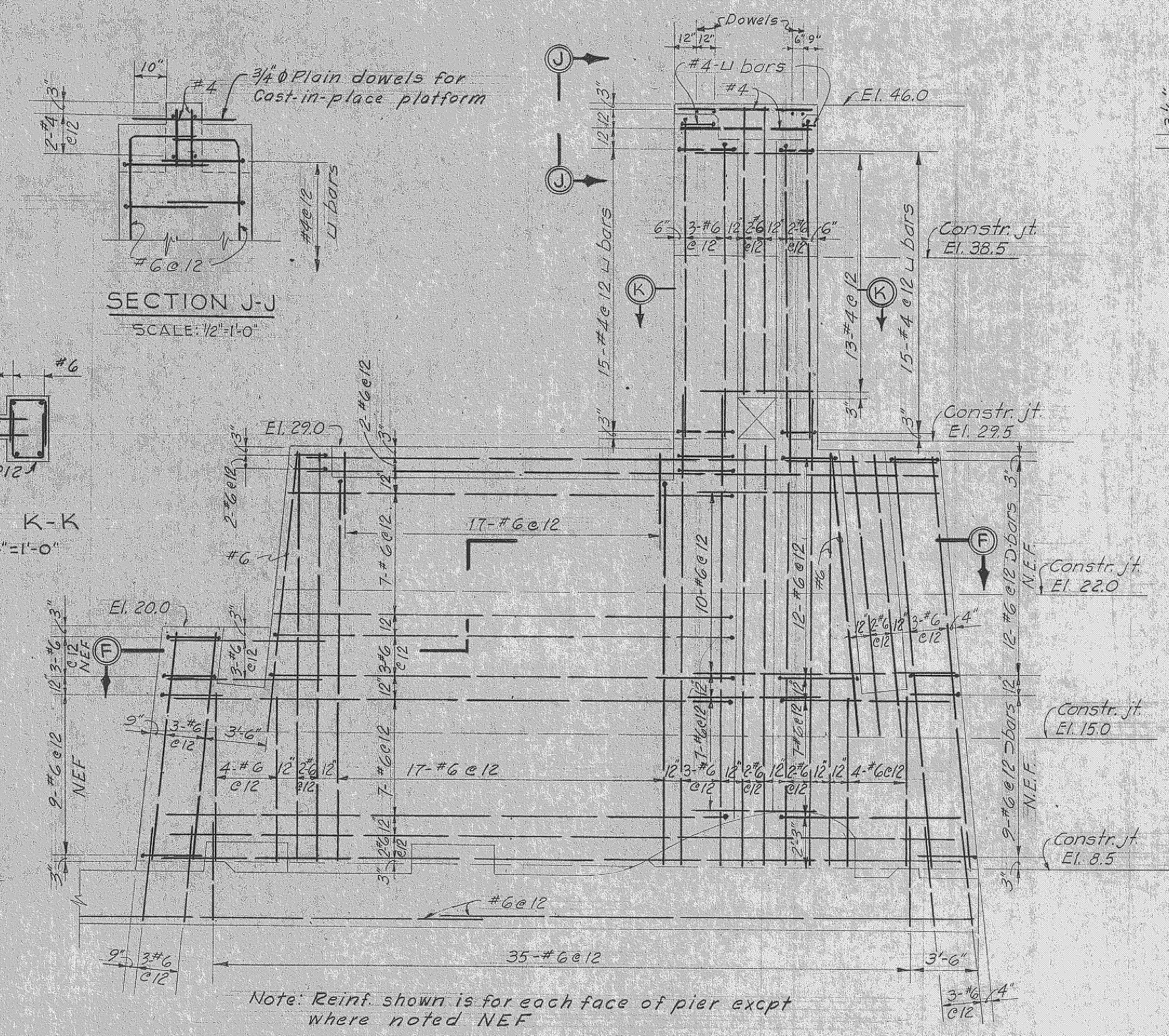
U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
 CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA
 CENTRAL AND SOUTHERN FLORIDA PROJECT
 FOR FLOOD CONTROL AND OTHER PURPOSES
 CANAL 54, SECTION 2
 STRUCTURE - 96
 REINFORCEMENT DETAILS NO. 1

SCALE: AS SHOWN DATED: APRIL 1966 SHEET 36 OF 72

D. O. FILE NO. 496-29,270-496-30,952

SAFETY ON THIS JOB
DEPENDS ON YOU

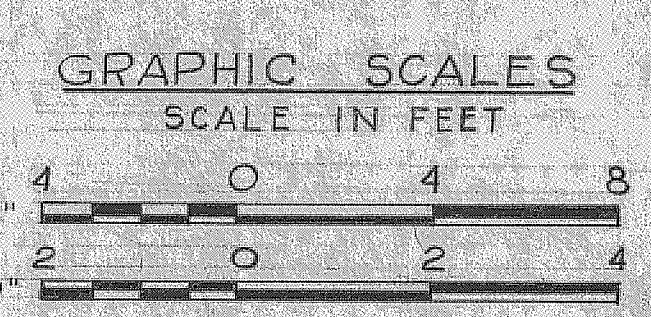
REVISIONS					
NO.	SYM.	ZONE	DESCRIPTION	DATE	APPROVED
1			REVISED TO CONFORM TO AMENDMENT NO. 2	5/16/66	WJR



Note: Pickup points shall be 6'-0" Max. from ends of slab.

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

- NOTES:**
- For General Reinforcement notes, see sheet 36.57
 - For location of Section E-E, see sheet 36.57



AS BUILT

U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
CENTRAL AND SOUTHERN FLORIDA PROJECT
FOR FLOOD CONTROL AND OTHER PURPOSES
CANAL 54, SECTION 2
STRUCTURE - 96
REINFORCEMENT DETAILS, NO. 2

DWN. BY H.H.H.	CHK. BY J.N.D.	REV. NO. CIV. ENG. 66-123-C6-56	DATE 28 APRIL 1966	SCALE AS SHOWN	DATE APRIL 1966	SHEET 37 OF 72
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