



SOIL LOG				
STATION SAMPLED	DEPTH	A.S.A.H.O. DESIGNATION	LIQUID LIMITS	PLASTICITY INDEX.
69	0-4"	A-6 (11)	33	12
79	0-4"	A-7-6 (37)	68	35
81	0-4"	A-7-5 (42)	66	34
98	0-4"	A-7-5 (42)	72	39
109	0-4"	A-7-6 (37)	67	39
119	0-4"	A-7-6 ()	77	39
129	0-4"	A-7-5 ()	76	35
139	0-4"	A-7-4 (43)	77	37
149	0-4"	A-7-5 (50)	76	44
159	0-4"	A-7-6 (31)	59	34

NOTE: SOIL CHARACTERISTICS TABULATED ABOVE ARE REPRESENTATIVE AT THE LOCATION OF THE SAMPLE, AND FROM SURFACE INDICATIONS ARE TYPICAL FOR THE LIMITS SHOWN FOR INFORMATION ONLY. THE STATE WILL NOT BE RESPONSIBLE FOR VARIATIONS IN THE SOIL CHARACTERISTICS AND/OR EXTENT OF SAME DIFFERING FROM THE ABOVE TABULATIONS.



NOTE: ADDITIONAL CONCRETE REQUIRED FOR EDGE THICKENING SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR PORTLAND CEMENT CONCRETE PAVEMENT CONTINUOUSLY REINFORCED (6" UNIFORM THICKNESS) THE MATERIAL EXCAVATED TO FORM THICKENED EDGE OF CONCRETE TO BE DISPOSED OF AS DIRECTED BY THE ENGINEER.



RT. SIDE ONLY

142

DATE 10-8-71	DATE 10-8-71	DATE 10-8-71	DATE 10-8-71	FED. ROAD NO.	STATE	FED. AID FUND	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	F-40-5 (S) 280		14	25
				JOB NO.		11809			
① 2673W, 2673AW QUANTITIES 17139									

SUMMARY OF BRIDGE QUANTITIES JOB 11809

BRIDGE NO	CODE NO	NAME	PLATE	UNIT OF BRIDGE	ITEM NO	801	SP+802	SP+802	SP+802-9	SP+803	804	SP+805(ALT #) 805(ALT #2)	812	SPJOB 11809
					ITEM	COMMON EXCAVATION FOR STRUCTURES	CLASS 5 CONCRETE	CLASS 5(AE) CONCRETE	BOILED LINSEED OIL	REINFORCING STEEL	PRECAST CONCRETE PILING (16" OCT.)	(ALT #2) METAL BRIDGE RAILING (TYPE A) (ALT #2) METAL (STEEL) BRIDGE RAILING (TYPE A)	BRIDGE NAME PLATES (TYPE C)	REMODELING EXISTING BRIDGES & REMOVAL OF EXISTING BRIDGE SUPERSTRUCTURE
					UNIT	CU. YD.	CU. YD.	CU. YD.	GAL.	LB.	LIN. FT.	LIN. FT.	PLATE	COMP ITEM
2673AW	1020	TEN MILE BAYOU			BENT 1	5	0.92			120	45			
					BENTS 2,3,4		2.76			360	135			
					BENT 5	5	0.92			120	45			
					SPANS 1 & 4			29.44	7.8	5704		58	1	
					SPANS 2 & 3			28.96	7.8	5606		60		
					TOTAL FOR BRIDGE	10	4.60	58.40	15.6	11,910	225	118	1	0.5
2673W	1020	TEN MILE BAYOU			BENT 1	45	1376			1,376	225			
					BENTS 2,3,4		38.76			4,349	675			
					BENT 5	45	1368			1,376	225			
					SPANS 1 & 4			742.58 163.58	2.0	38,083 38,083		60	1	
					SPANS 2 & 3			152.91 156.72	7.8	37,407 37,076		60		
					TOTAL FOR BRIDGE	90	66.20	320.30	15.8	82,280	1125	120	1	0.5
TOTAL FOR JOB						100	70.80	578.70	31.4	94,190	1350	238	2	1.00
*See SP-804-10								578.70		94,190				

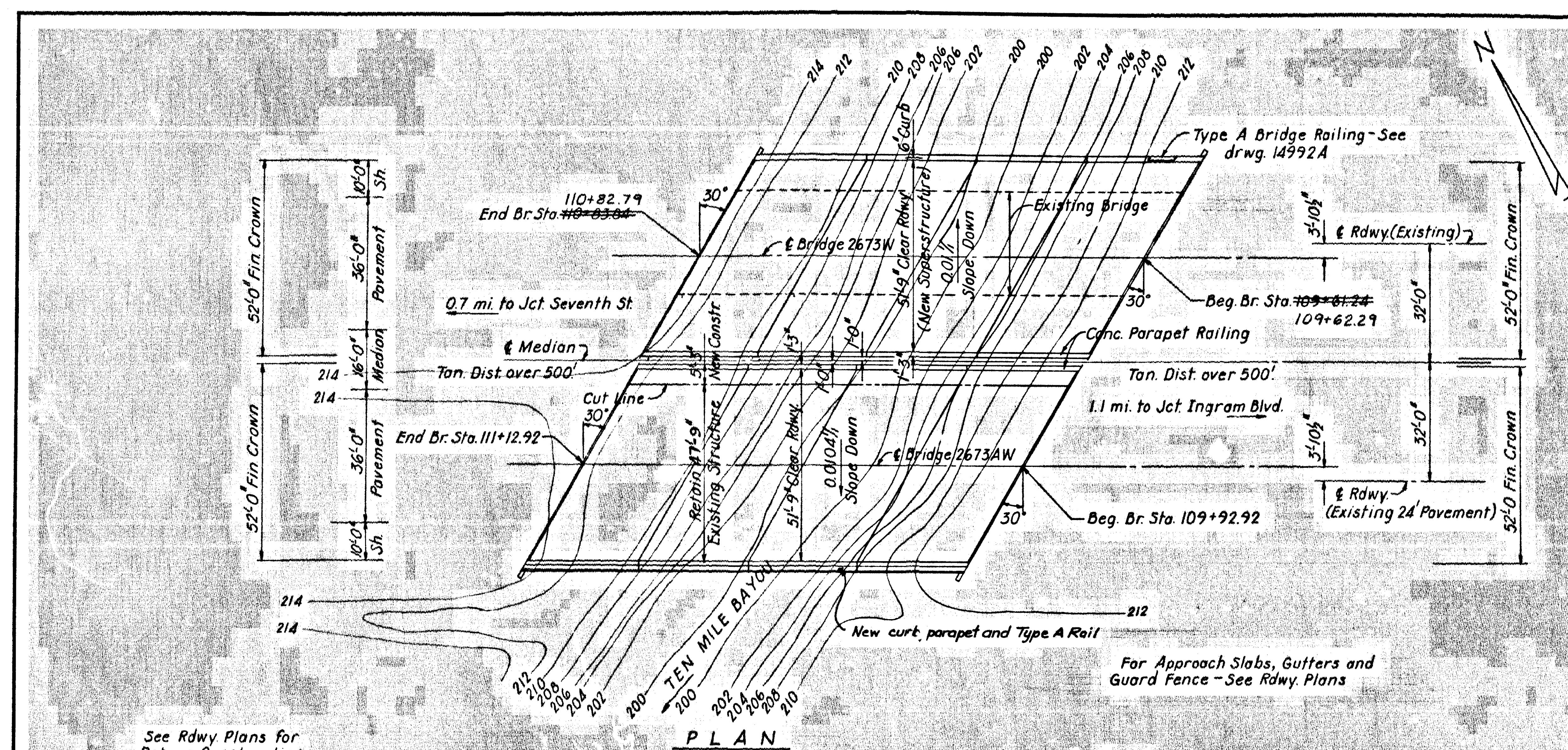
SUMMARY OF BRIDGE QUANTITIES
TEN MILE BAYOU
WEST MEMPHIS INT. - I-55
CRITTENDEN COUNTY
ROUTE 40 SEC. 5
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Revised span lengths 10-8-71 HD

David Pinkerton
BRIDGE ENGINEER

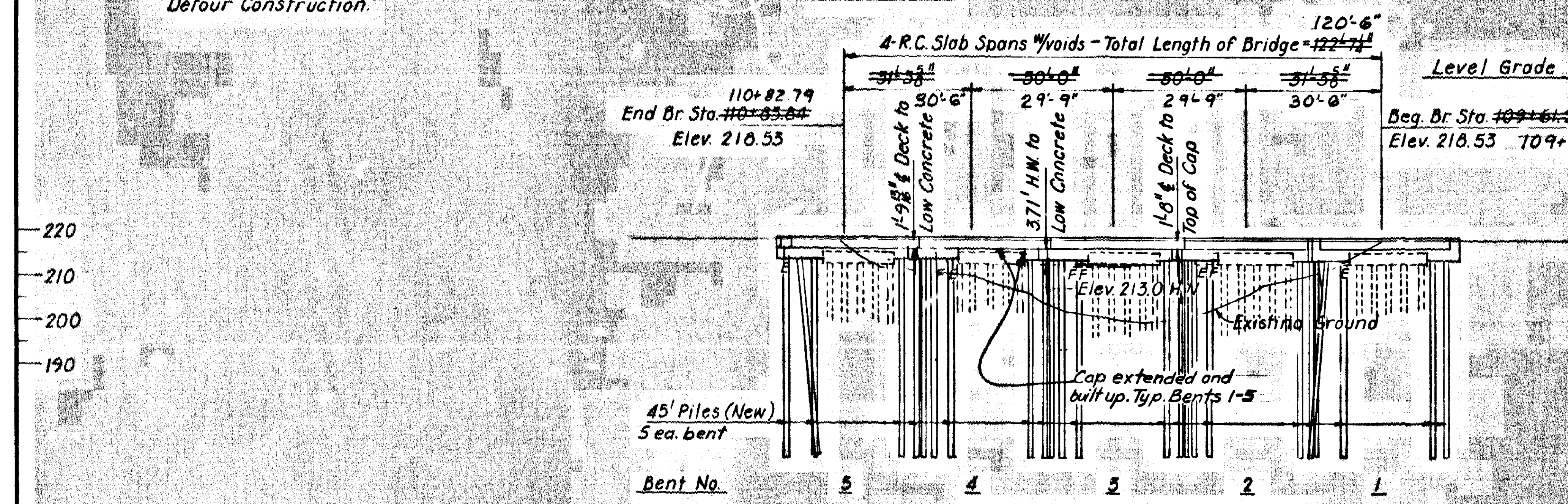
DRAWN BY: W.W.W. DATE: 12-16-70
TRACED BY: DATE: 12-17-70
CHECKED BY: DFL DATE: 12-17-70
BRIDGE NO. 2673AW
DRAWING NO. 17139

REVISED	DATE	REVISED	DATE	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
10-8-71	504-10-10-71			6	ARK.	2-10-3		15	95
JOB NO. 11809									
D 2673W, 2673AW LAYOUTS 17/40									

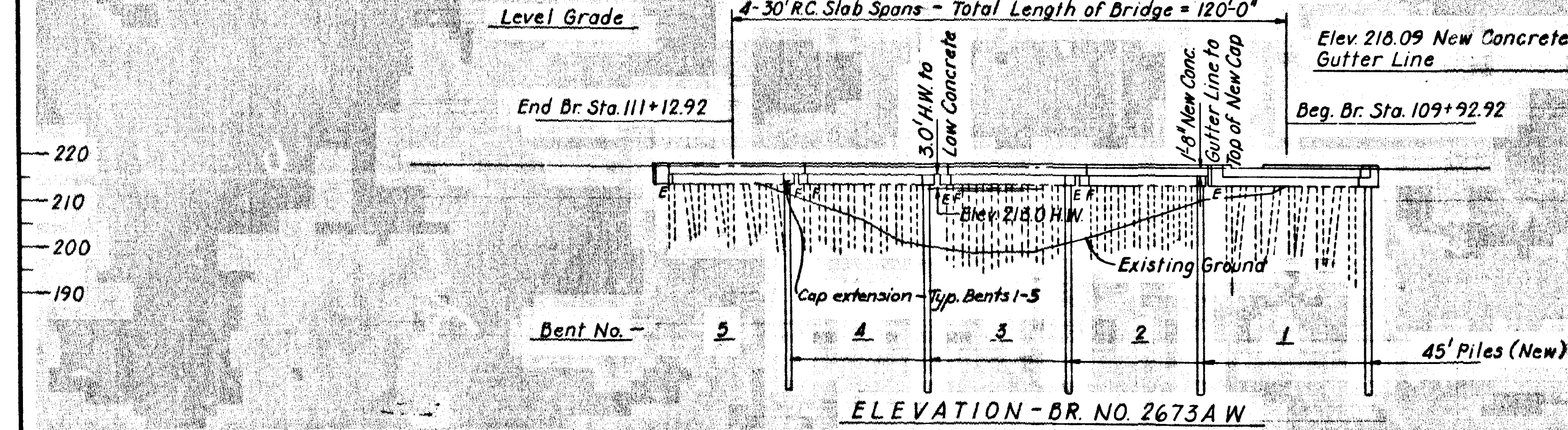


See Rdw Plans for
Detour Construction.

PLAN



ELEVATION - BR NO. 2673W



ELEVATION - BR NO. 2673AW

BRIDGE NO. 2673

SALVAGE ALL STRUCTURAL STEEL EXCEPT FOR ROADWAY ANGLES AND EXPANSION DEVICES. ALL OTHER MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE PROJECT.

BRIDGE NO. 2673A

ALL MATERIAL FROM THE SUBJECT BRIDGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE PROJECT.

GENERAL NOTES

BENCH MARK - "X" ON S.E. CORNER S. WHEEL GUARD 14' RT., STATION 109 + 65; ELEVATION 218.61.

THE CONTRACTOR SHALL MAKE CHECK MEASUREMENTS OF THE EXISTING STRUCTURE AND DETERMINE ALL DIMENSIONS AND ADJUSTMENTS NECESSARY TO FIT THE NEW WORK TO THE EXISTING CONSTRUCTION.

ALL PILING SHALL BE 16" OCTAGONAL PRECAST CONCRETE AND SHALL BE DRIVEN WITH AN APPROVED AIR, STEAM OR DIESEL HAMMER TO A MINIMUM BEARING CAPACITY OF 44 TONS PER PILE AND TO A MINIMUM PENETRATION OF 20" BELOW GROUND ELEVATION. LENGTHS OF PILING SHOWN ARE BASED ON PILING DRIVEN IN EXISTING BRIDGES. ORDER LENGTHS SHOWN.

FOR DETAILS OF EXISTING BRIDGES SEE DRWG. 3416, 7531-7555, 5431H, 543161. FOR DETAILS OF WIDENING BRIDGE 2763A SEE DRWGS. 17144. FOR DETAILS OF REMODELING BR. 2673 SEE DRWGS. 17141, 17142, 17143. FOR DETAILS OF 16" OCTAGONAL PRECAST CONCRETE PILING SEE DRWG. 2382.

SPECIFICATIONS: ARKANSAS STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1959, THE 1966 SUPPLEMENTAL SPECIFICATIONS, AND APPLICABLE SPECIAL PROVISIONS.

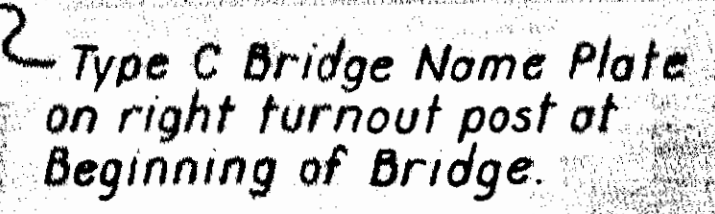
DESIGN SPECIFICATIONS: AASHTO 1969
LOADING: HS20-44 AND SPECIAL INTERSTATE LOADING
UNIT STRESSES: CLASS 5 OR SAE CONCRETE (N=10) 1,200 PSI
REINFORCING STEEL 20,000 PSI

LAYOUT OF BRIDGES OVER
TEN MILE BAYOU
WEST MEMPHIS INT. - I-55
CRITTENDEN COUNTY
INT. ROUTE 40 SEC. 5
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

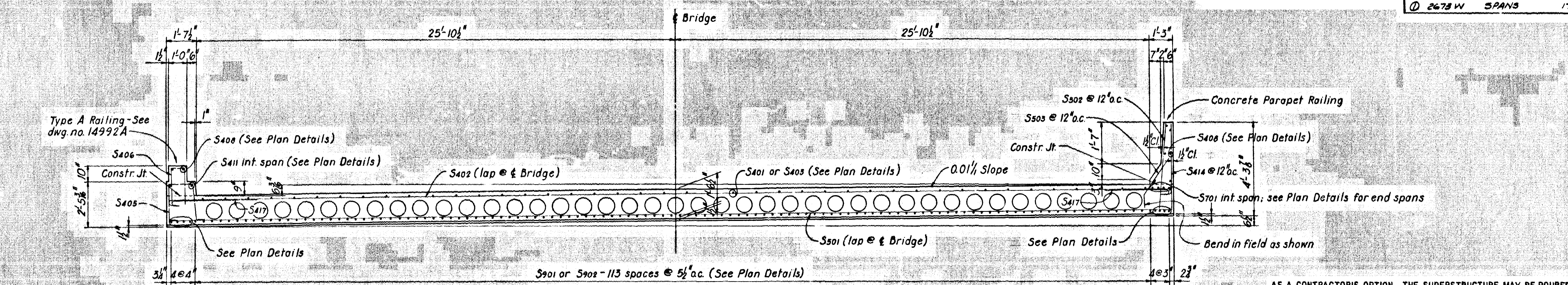
DRAWN BY: H. Maj. DATE: 9-24-70
TRACED BY: DATE: 7-28-70
CHECKED BY: FMH DATE: 7-28-70

BRIDGE ENGINEER

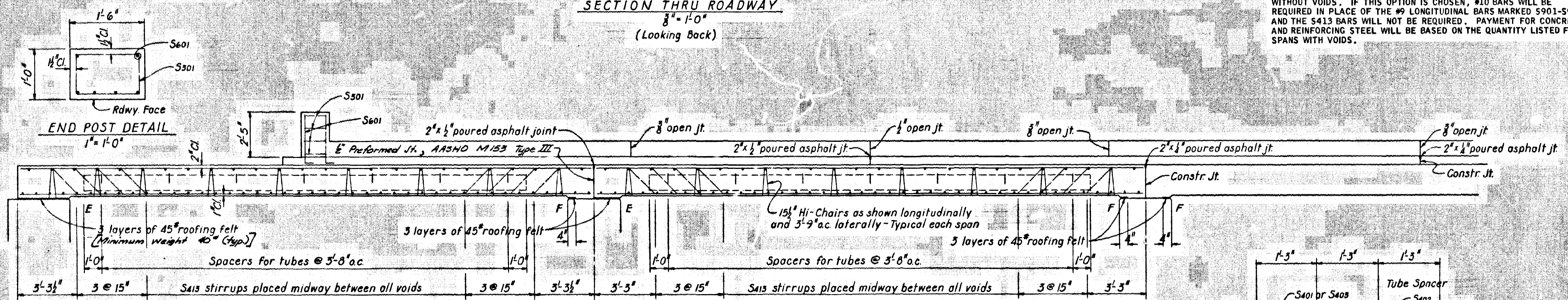
BRIDGE NO. 2673 W
2673AW
DRAWING NO. 17140

144

Vera Pinkerton


























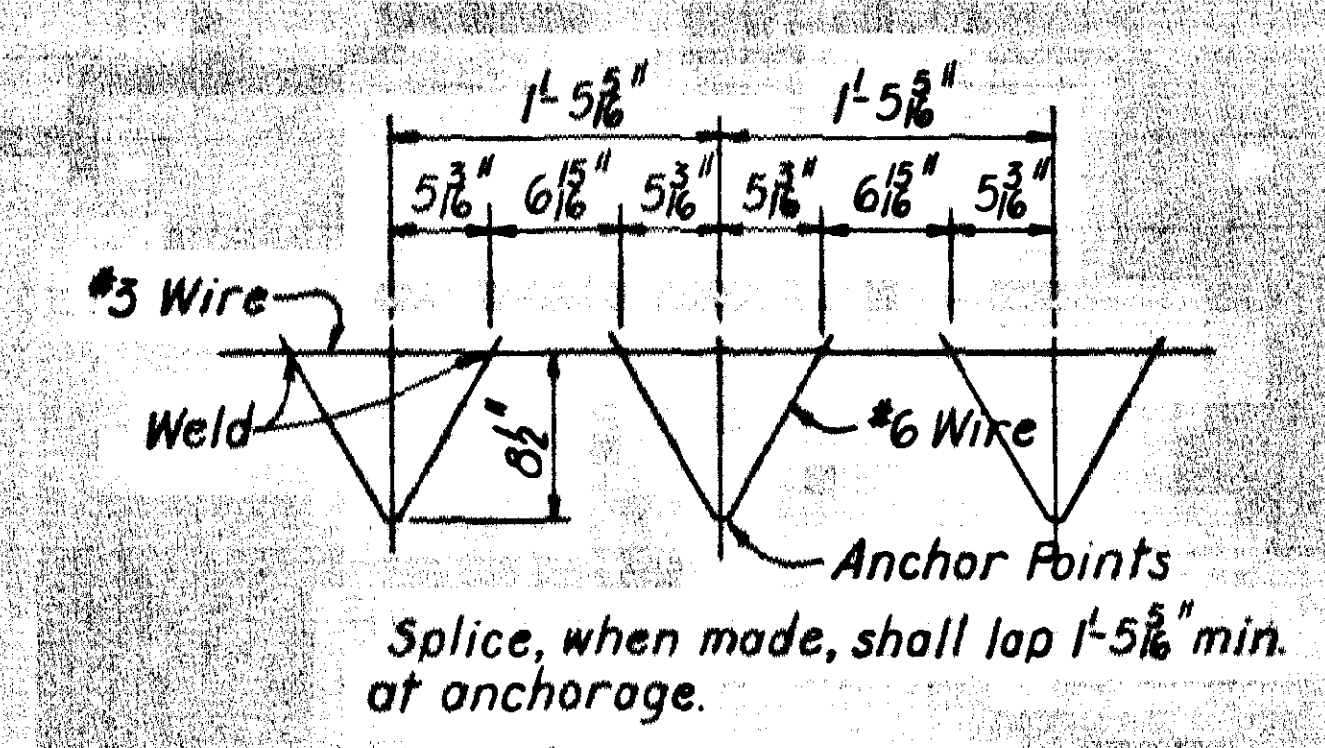
SECTION THRU ROADWAY
 $3'' = 10'$
 (Looking Back)



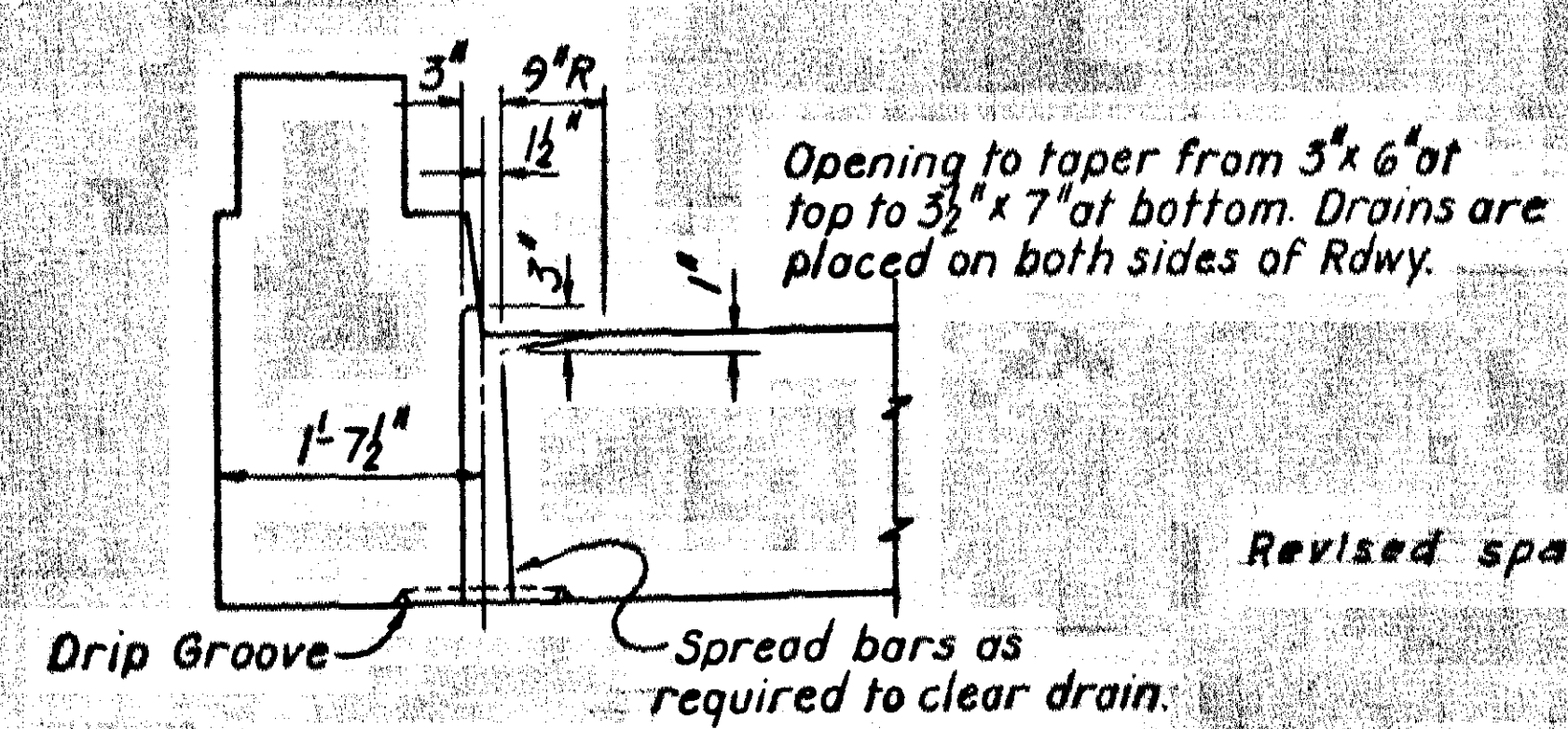
LONGITUDINAL SECTION AT C OF BRIDGE
 $\frac{3}{8}'' = 1'-0''$

BAR LIST

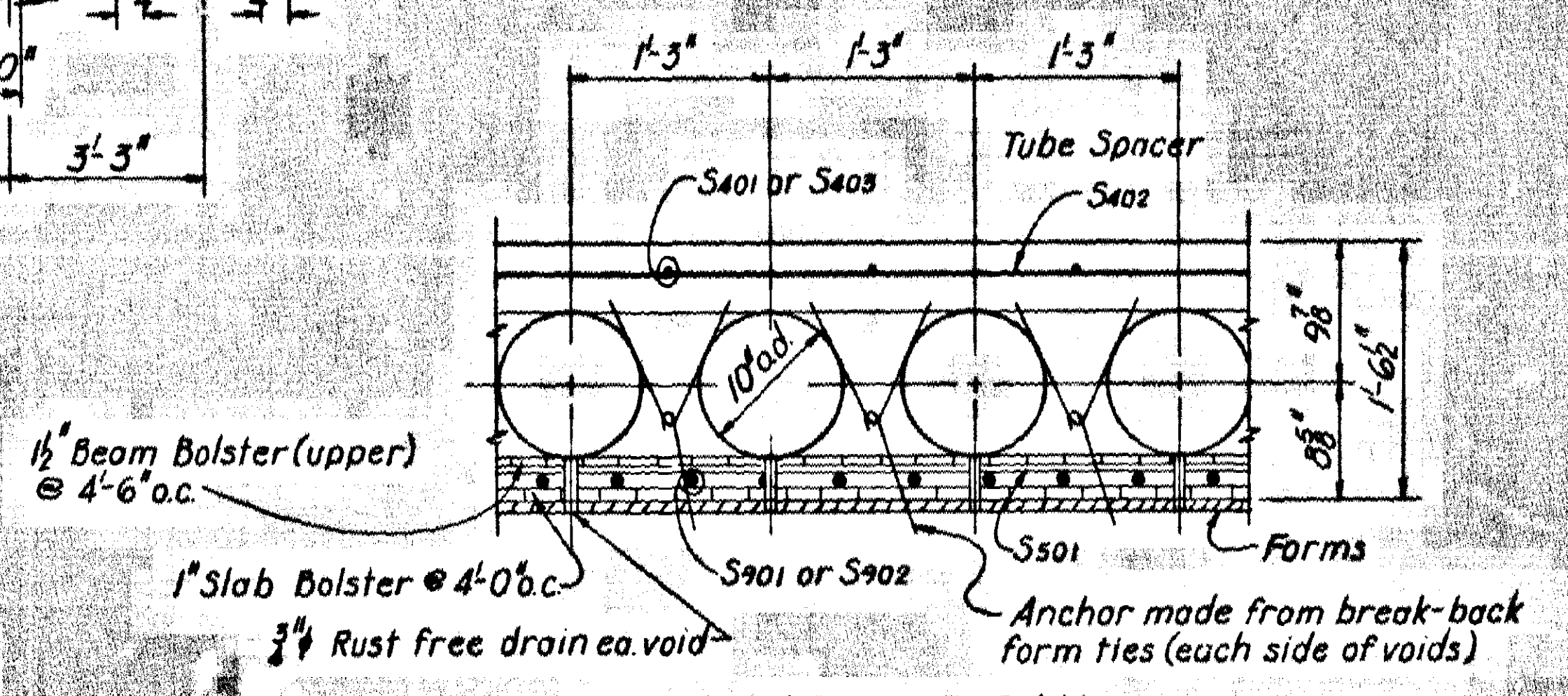
MK	No Bars Req'd			Length	Pin Dia.	Bending Diagrams (Dimens are out to out of bars)	
	Span C	Span B	Span A				
S901	114	-	114	30'-3"	Str		S402
S902	-	122	-	24'-5"	Str		S407
S903	1	-	1	24'-11"	Str		S402
S904	1	-	1	30'-1"	Str		S402
S905	1	-	1	30'-3"	Str		S402
S906	1	-	1	30'-4"	Str		S402
S907	1	-	1	30'-7"	Str		S402
S908	1	-	1	30'-9"	Str		S402
S909	1	-	1	30'-11"	Str		S402
S910	1	-	1	31'-2"	Str		S402
S701	-	4	-	24'-5"	Str		S408
S702	1	-	-	30'-7"	Str		S408
S703	1	-	-	30'-9"	Str		S408
S704	1	-	-	30'-11"	Str		S408
S705	1	-	-	31'-2"	Str		S408
S706	-	-	1	24'-11"	Str		S408
S707	-	-	1	30'-1"	Str		S408
S708	-	-	1	30'-3"	Str		S408
S709	-	-	1	30'-4"	Str		S408
S501	32	30	32	32'-5"	Str		S402
S502	32	30	32	3'-10"	Str		S402
S503	32	30	32	3'-3"	Str		S402
S401	42	-	42	30'-11"	Str		S402
S402	48	-	48	32'-0"	Str		S402
S403	-	42	-	24'-5"	Str		S402
S404	2	-	-	30'-5"	Str		S402
S405	31	30	31	6'-3"	Str		S402
S406	24	25	25	5'-1"	Str		S402
S407	2	-	-	16'-0"	Str		S402
S408	8	8	8	12'-6"	Str		S402
S409	-	8	-	16'-6"	Str		S402
S410	-	-	2	17'-3"	Str		S402
S411	-	2	-	24'-5"	Str		
S412	-	-	2	31'-2"	Str		
S413	320	320	320	3'-2"	Str		S402
S414	32	30	32	3'-9"	Str		S402
S415	-	-	6	17'-8"	Str		S402
S416	6	-	-	17'-0"	Str		S402
S417	50	48	50	6'-0"	Str		S402
S601	6	-	6	4'-1"	Str		S402
S301	4	-	4	4'-5"	Str		S402



SPACER DETAIL
1" = 1'-0"



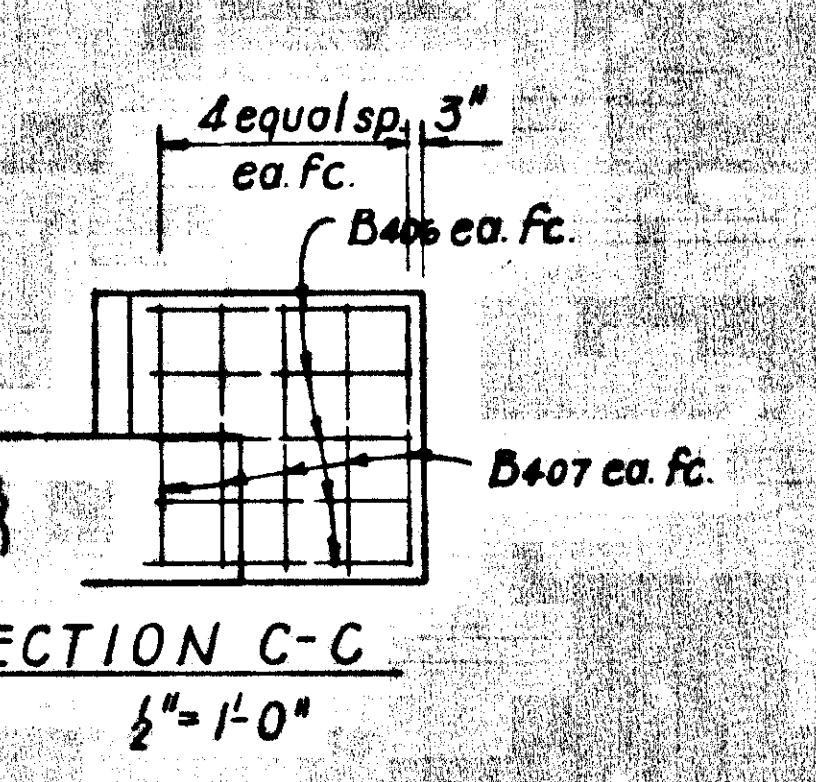
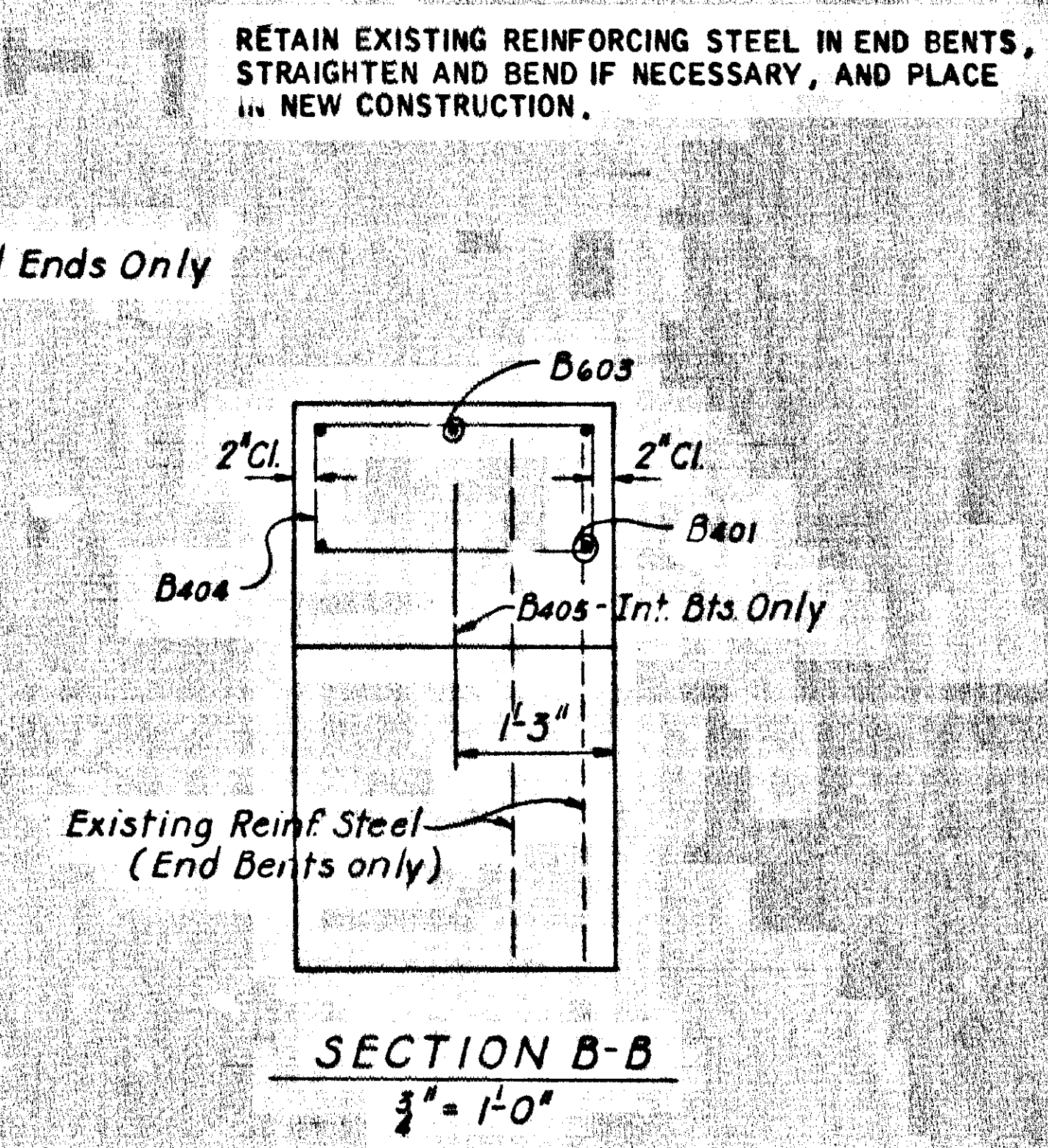
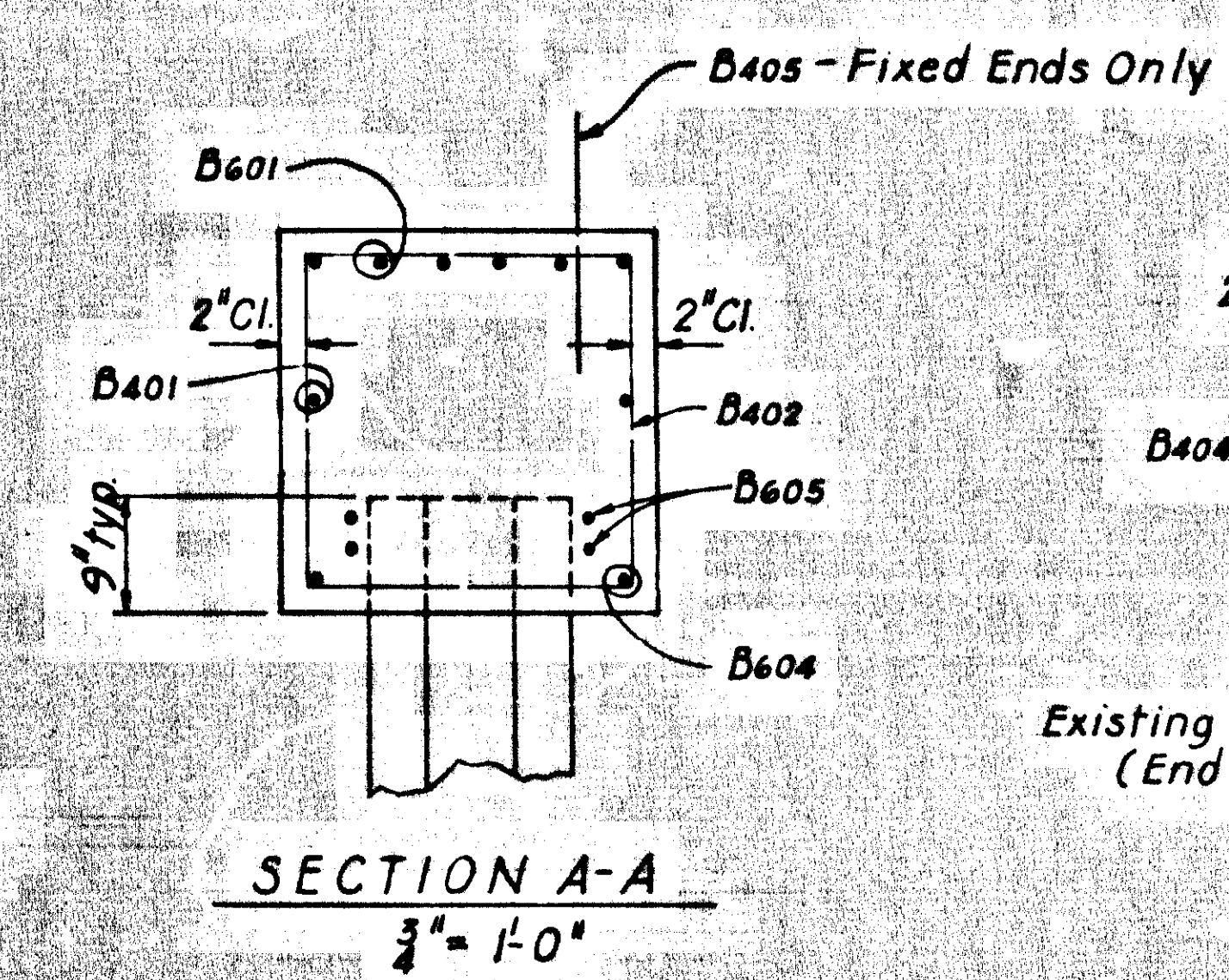
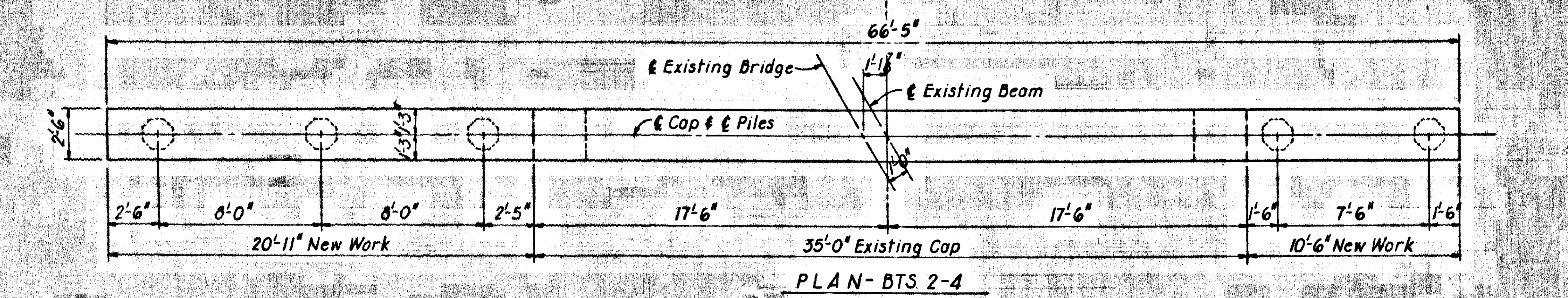
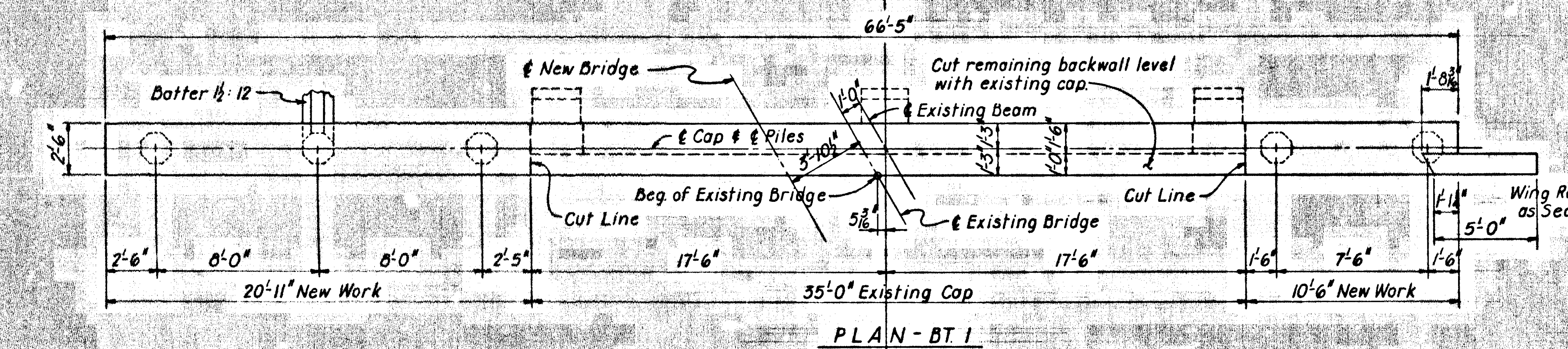
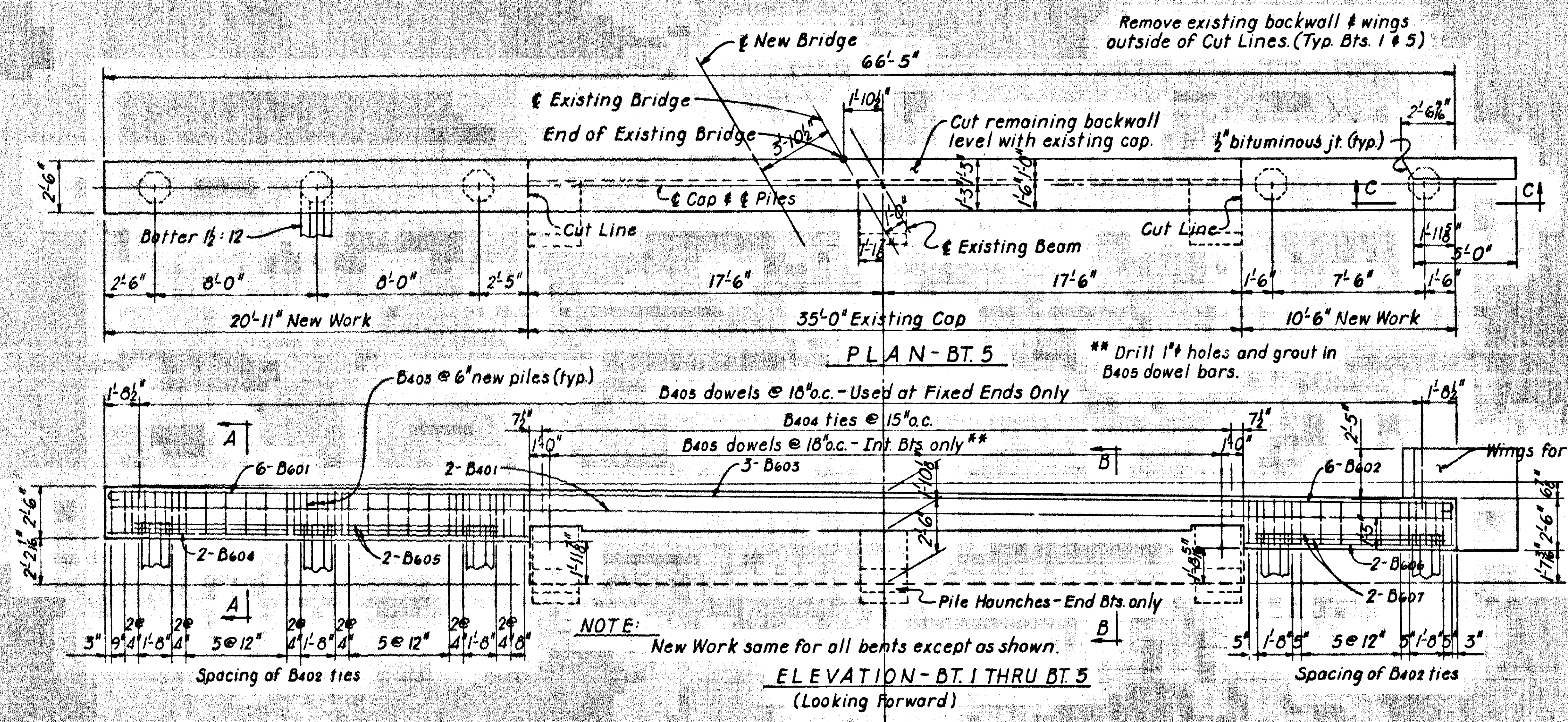
DRAIN DETAIL
3" = 1'-0"



TUBE SPACING DETAIL
1" = 1'-0"

SHEET 2 OF 2
DETAILS OF SPANS
TEN MILE BAYOU
WEST MEMPHIS INT. - I-55
CRITTENDEN COUNTY
INT. ROUTE 40 SEC. 5
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: A. Maj. DATE: 10-30-70
TRACED BY: _____ DATE: _____
CHECKED BY: HD DATE: 11-16-70 SCALE: As Shown
BRIDGE NO. 2673 W ⁹⁰⁷ DRAWING NO. 17142

REVISED	DATE	REVISED	DATE	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-40-3	1963	18	25
				JOB NO.		11809	18	95	
				① 2673 W		BENTS	17/13		



MK	No. Reqd.	Length	Pin Dia.	Bending Diagrams
B401	6	23'-11"	4"	23'-3" B401
B402	6	13'-6"	4"	12'-10" B402
B403	5	35'-0"	Str.	17'-8" B403
B404	2	20'-7"	Str.	9'-2" B404
B405	4	21'-0"	3"	2'-2" B405
B406	2	10'-2"	Str.	2'-2" B406
B407	4	12'-6"	3"	2'-2" B407
B401	4	33'-10"	Str.	
B402	40	9'-2"	2"	
B403	15	6'-6"	2"	
B404	28	6'-9"	2"	
B405	*	2'-6"	Str.	
B406	10	4'-9"	Str.	
B407	10	4'-5"	Str.	

* 66 E-F; 109 F-F

GENERAL NOTES

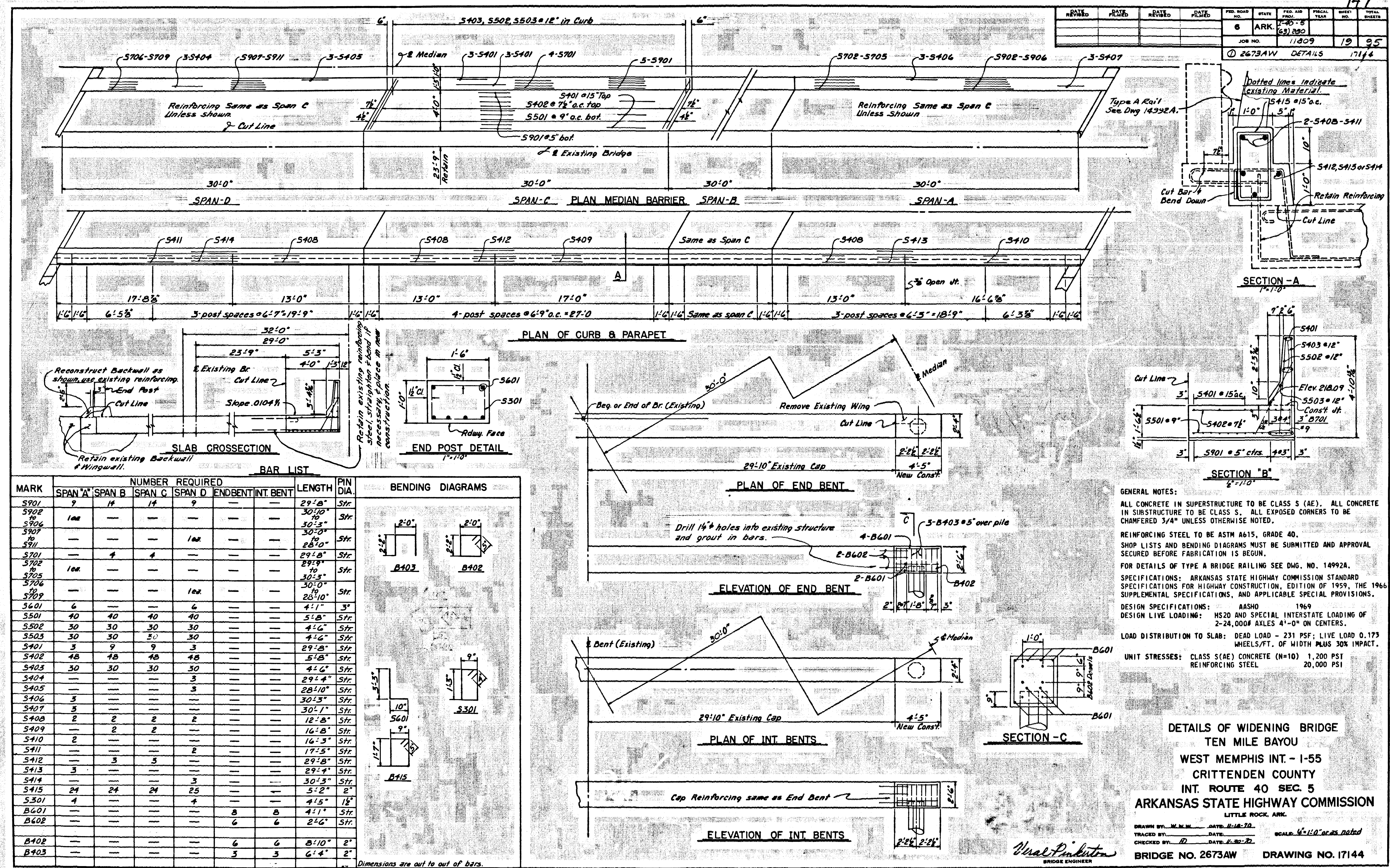
ALL CONCRETE TO BE CLASS 5 AND TO BE POURED IN THE DRY. ALL EXPOSED CORNERS TO BE CHAMFERED 3/4". REINFORCING STEEL TO BE ASTM A615, GRADE 40. SHOP LISTS AND BENDING DIAGRAM ARE TO BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.

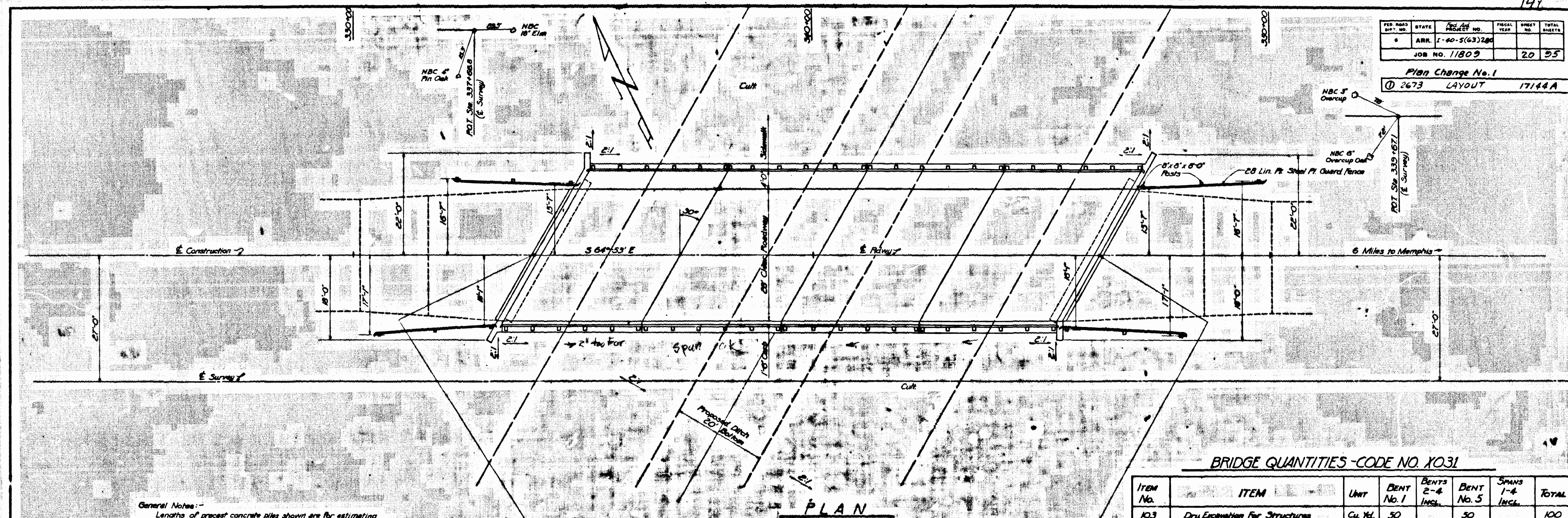
ALL PILING SHALL BE DRIVEN TO A MINIMUM CAPACITY OF 44 TONS PER PILE. PILING SHALL BE 16" OCTAGONAL PRECAST CONCRETE PILES AS SHOWN ON THE LAYOUT.

SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION 1959, THE 1966 SUPPLEMENTAL SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DETAILS OF WIDENING BENTS 1-5
TEN MILE BAYOU
WEST MEMPHIS INT. - I-55
CRITTENDEN COUNTY
INT. ROUTE 40 SEC. 5
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: *A. Mai* DATE: 11-9-70
TRACED BY: *LD* DATE: 11-16-70
CHECKED BY: *LD* DATE: 11-16-70
BRIDGE NO. 2673 W DRAWING NO. 17143

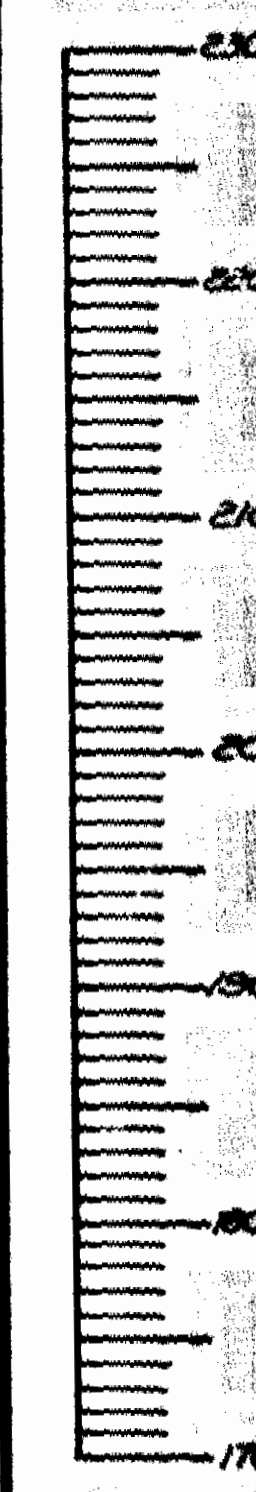
Nural Pinkerton
BRIDGE ENGINEER





General Notes:-
 Lengths of precast concrete piles shown are for estimating purposes only. Actual lengths to be determined in the field. Drive one pile in Bents No. 1 and No. 3 as test piles.
 For details of Bents and Spans see Drawings 7552-7555 incl.
 Loading: AASHTO S16
 Stresses: Struct. Steel = 18,000 psi
 Reinforcing Steel = 18,000 psi
 Concrete = 1,000 psi

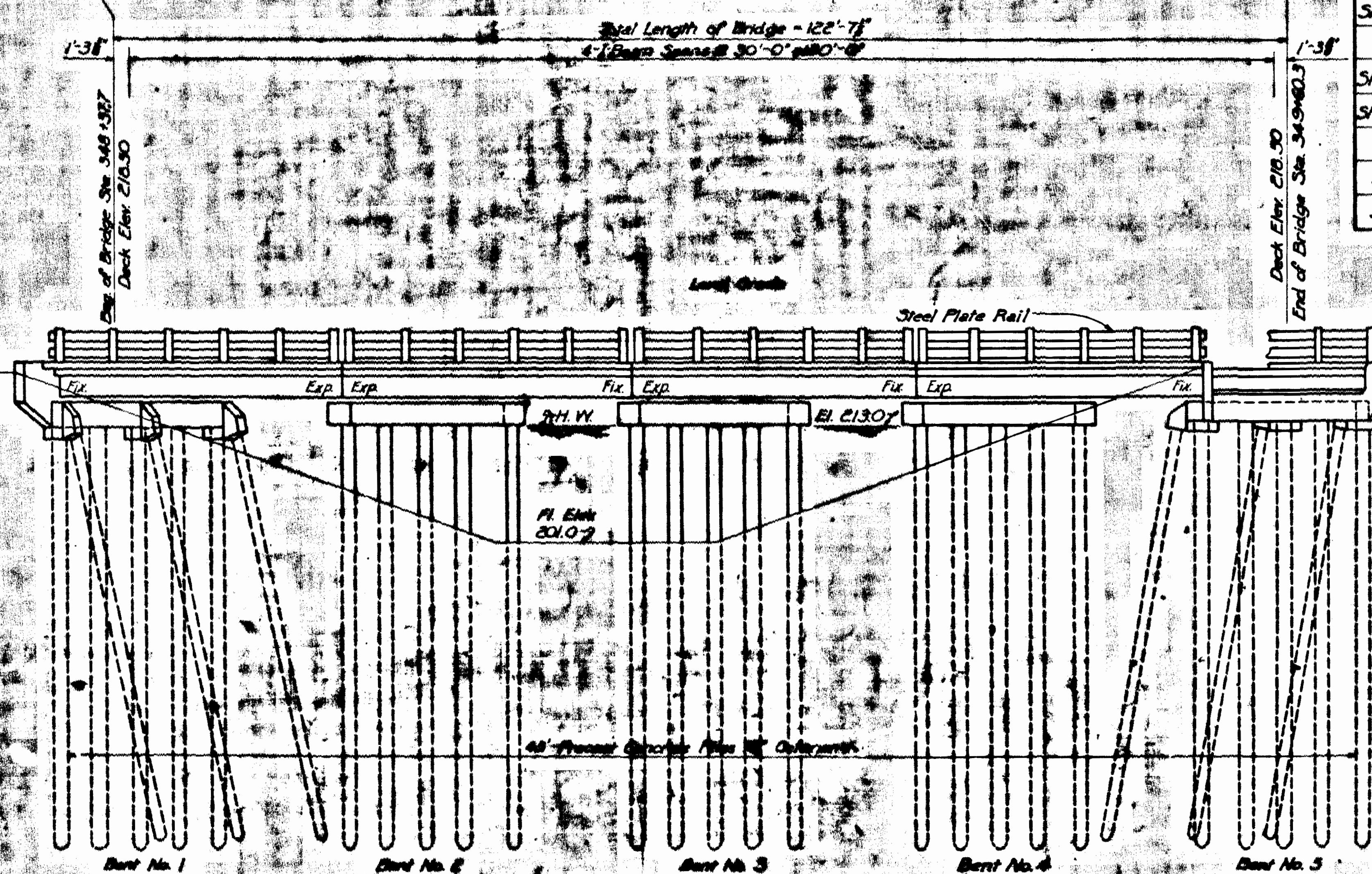
Note: Detail Drawings 7552-7555 incl. show
 Rt. Fwd. skew bridge is to be constructed
 on 14 Fwd. skew as shown by this layout.



NOTE

Drainage Area = 30.0 Miles

B.M. - Nail in Road 6" R. Oak
 150' Ft. Sta. 340+30
 Elev. 217.08



ELEVATION

BRIDGE QUANTITIES - CODE NO. X031

ITEM No.	ITEM	UNIT	BENT No. 1	BENTS 2-4 INCL.	BENT No. 5	SPANS 1-4 INCL.	TOTAL
103	Dry Excavation For Structures	Cu. Yd.	50		50		100
SP1802	Class "C" Concrete for Bridges	Cu. Yd.	15.79	2406	13.65	98.00	133.50
803	Reinforcing Steel	Lb.	1,747	3,003	1,776	17,344	23,870
SP1804	Concrete Piling	Lin. Ft.	360	673	360		1,393
SP1805-3	Steel Plate Guard Rail	Lin. Ft.				244	244
807	Structural Steel in Beam Spans	Lb.	865		865	77,090	78,820
923	Steel Plate Guard Fence	Lin. Ft.	56		56		112
929	Bridge Name Plates (Type "A")	Each	1		1		2

LAYOUT OF BRIDGE OVER DITCH NO. 1 PLAN CHANGE NO. 1 WEST MEMPHIS BYPASS CRITTENDEN COUNTY ROUTE 61 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

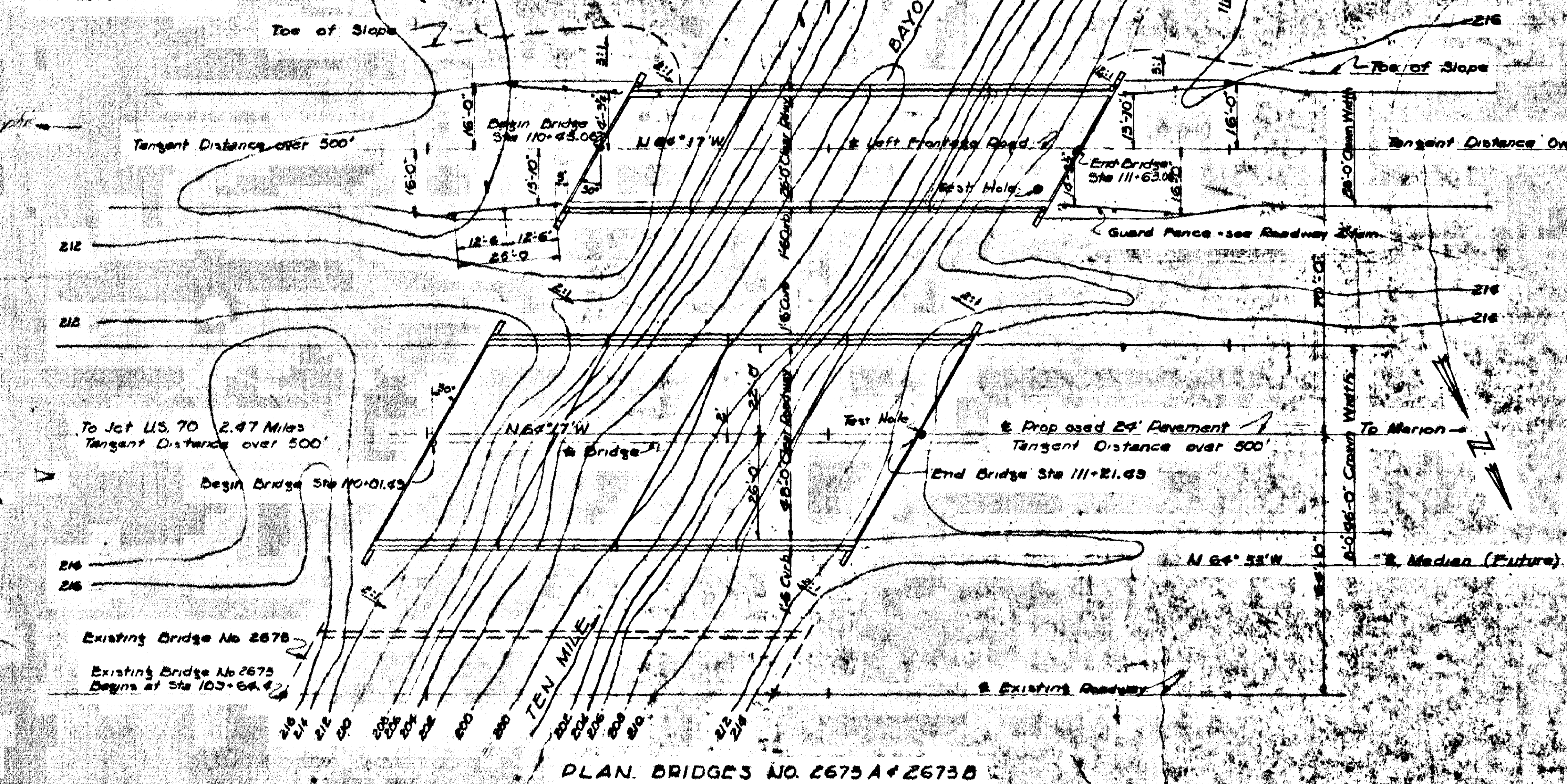
Drawn By: _____ Date: _____
 Traced By: _____ Date: 3-25-50
 Checked By: _____ Date: _____

BRIDGE NO. 2673 DRAWING NO. 7551

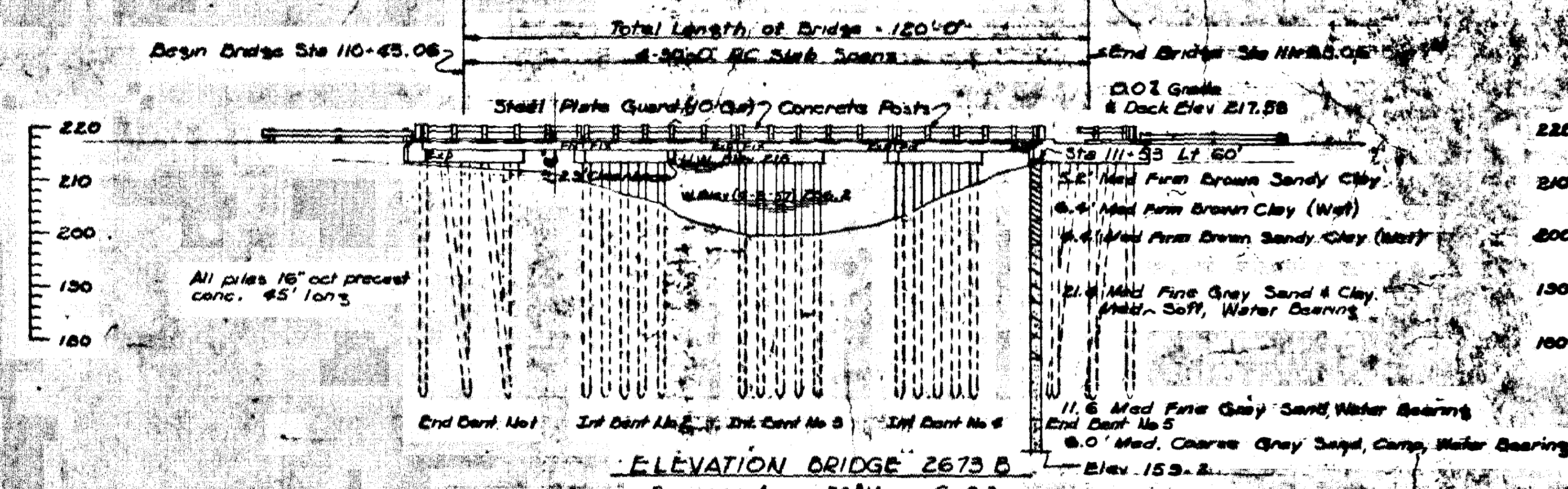
File as Drawg 17144A

RIGHT-OF-WAY DATA

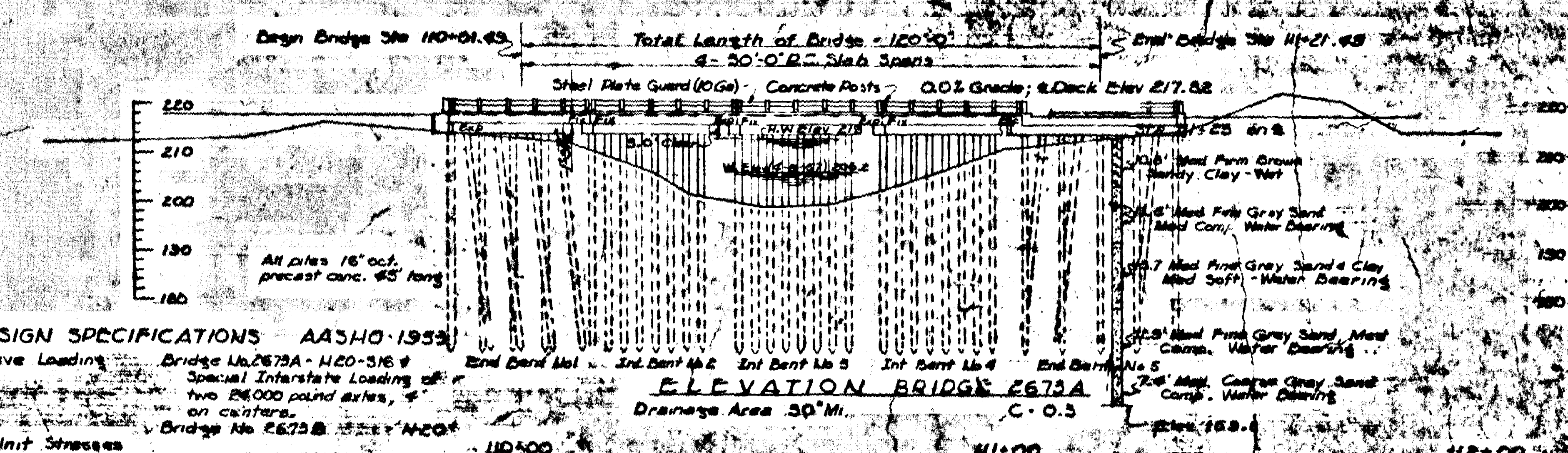
See Location Sketch



PLAN, BRIDGES NO. 2675A & 2675B



ELEVATION BRIDGE 2675B

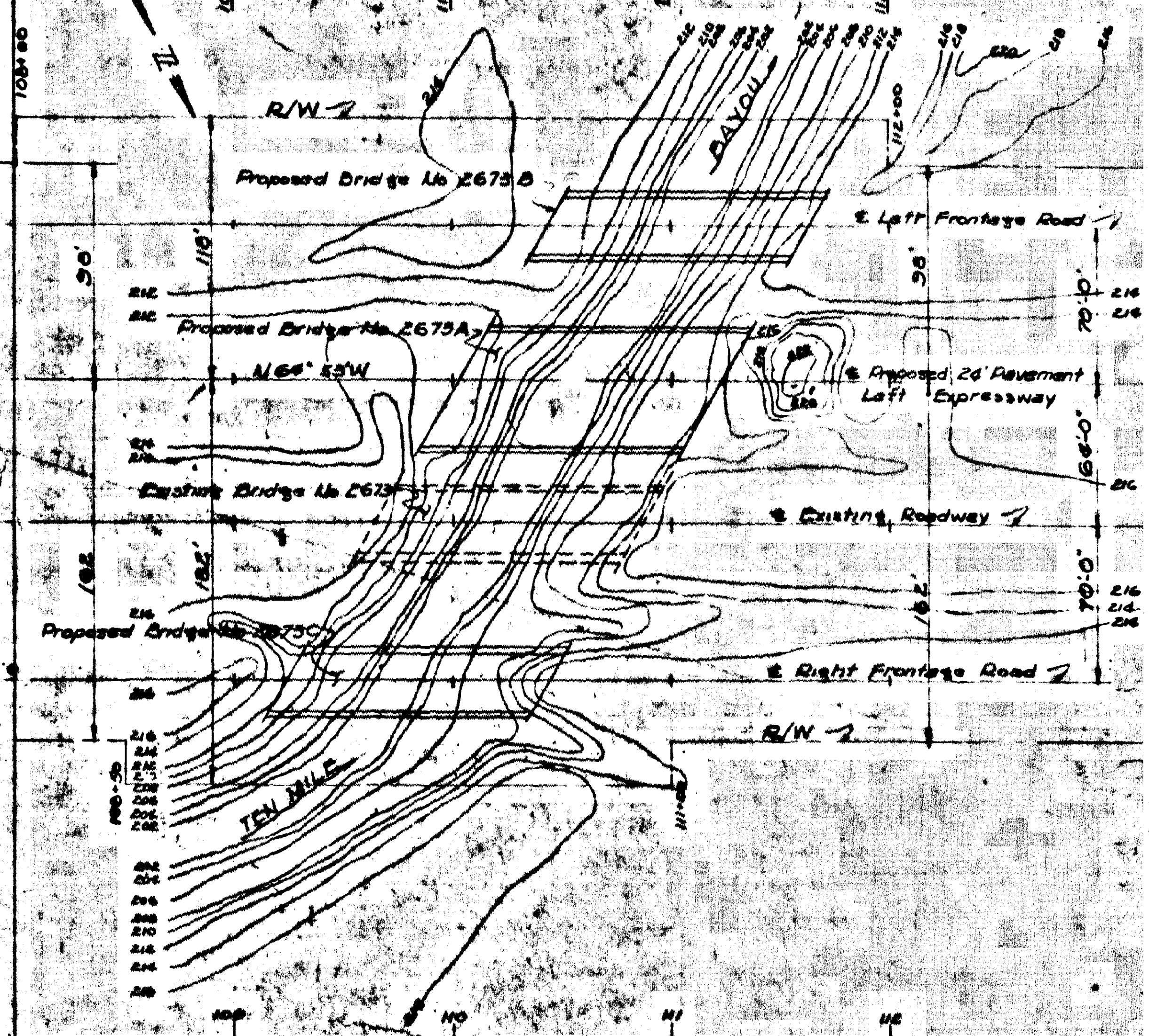


DESIGN SPECIFICATIONS AASHTO 1953

Live Loading: Bridge No. 2675A - H20-S16
Special Intermediate Loading of
Two 26,000 pound axles, 4'
on centers.
Bridge No. 2675B - H20-S16
Unit Stresses:
Concrete (psi) 1200
Steel (ksi) 20,000

0.2673A LAYOUT 17.44B

JOB NO.	DATE	BY	CHKD.	APP'D.
11809	1-20-54	J. H. H.	J. H. H.	J. H. H.



LOCATION SKETCH

Scale 1" = 50'

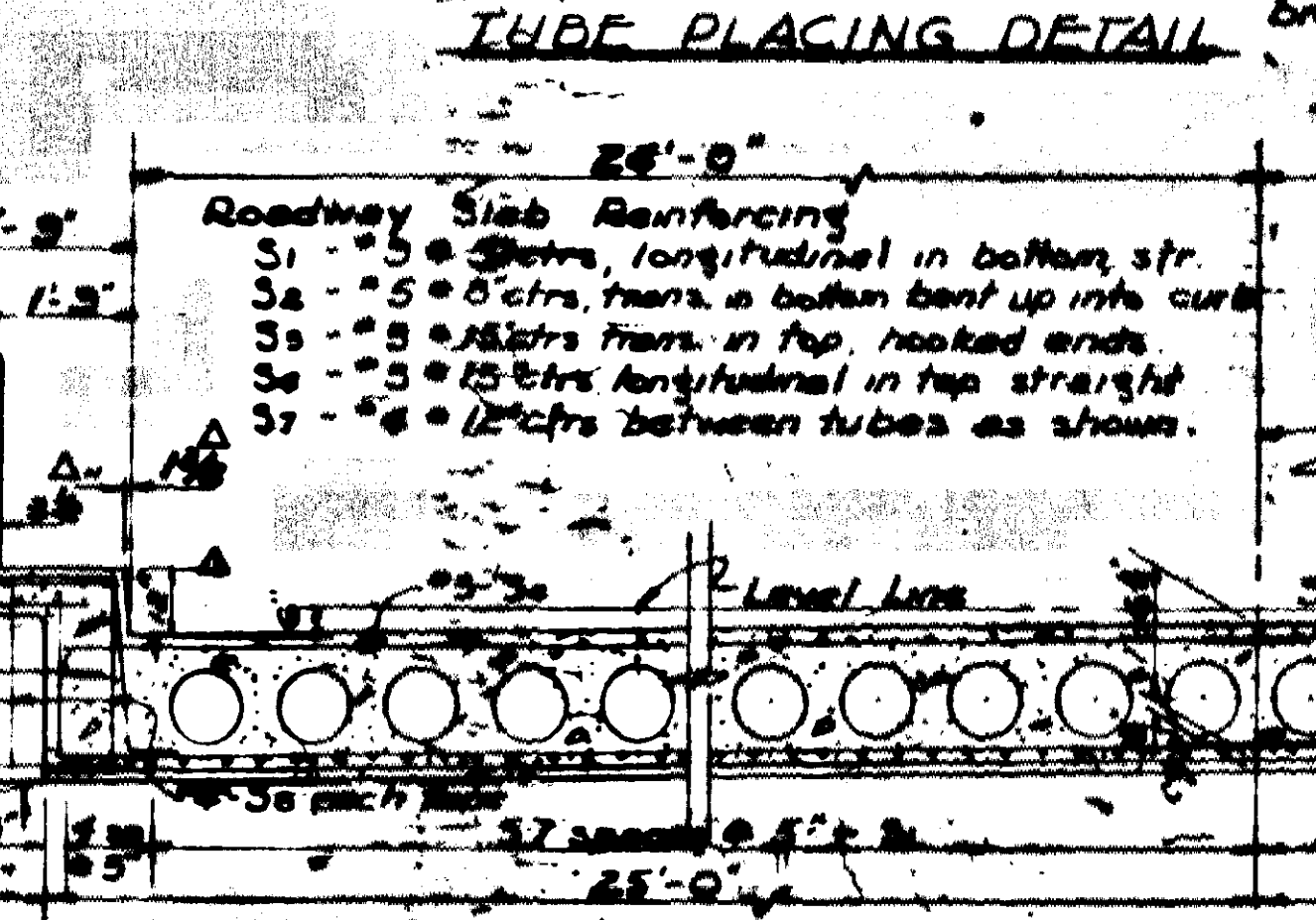
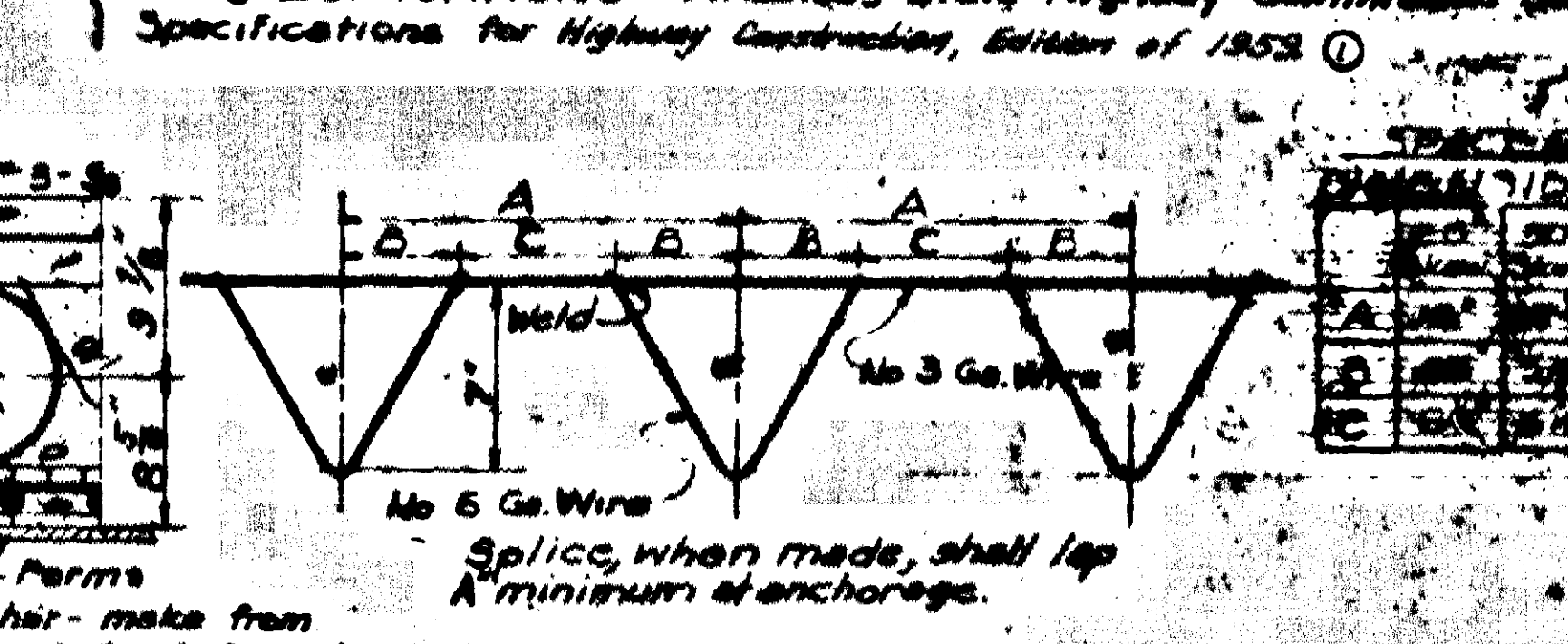
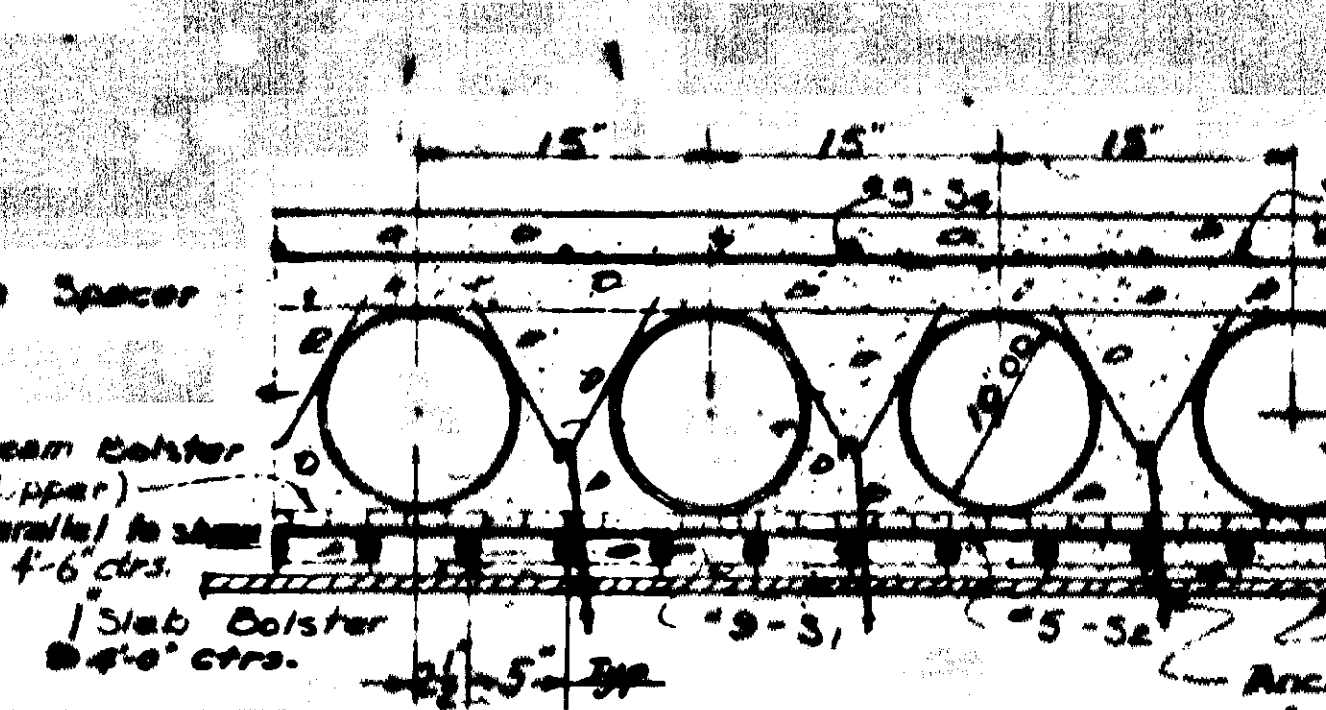
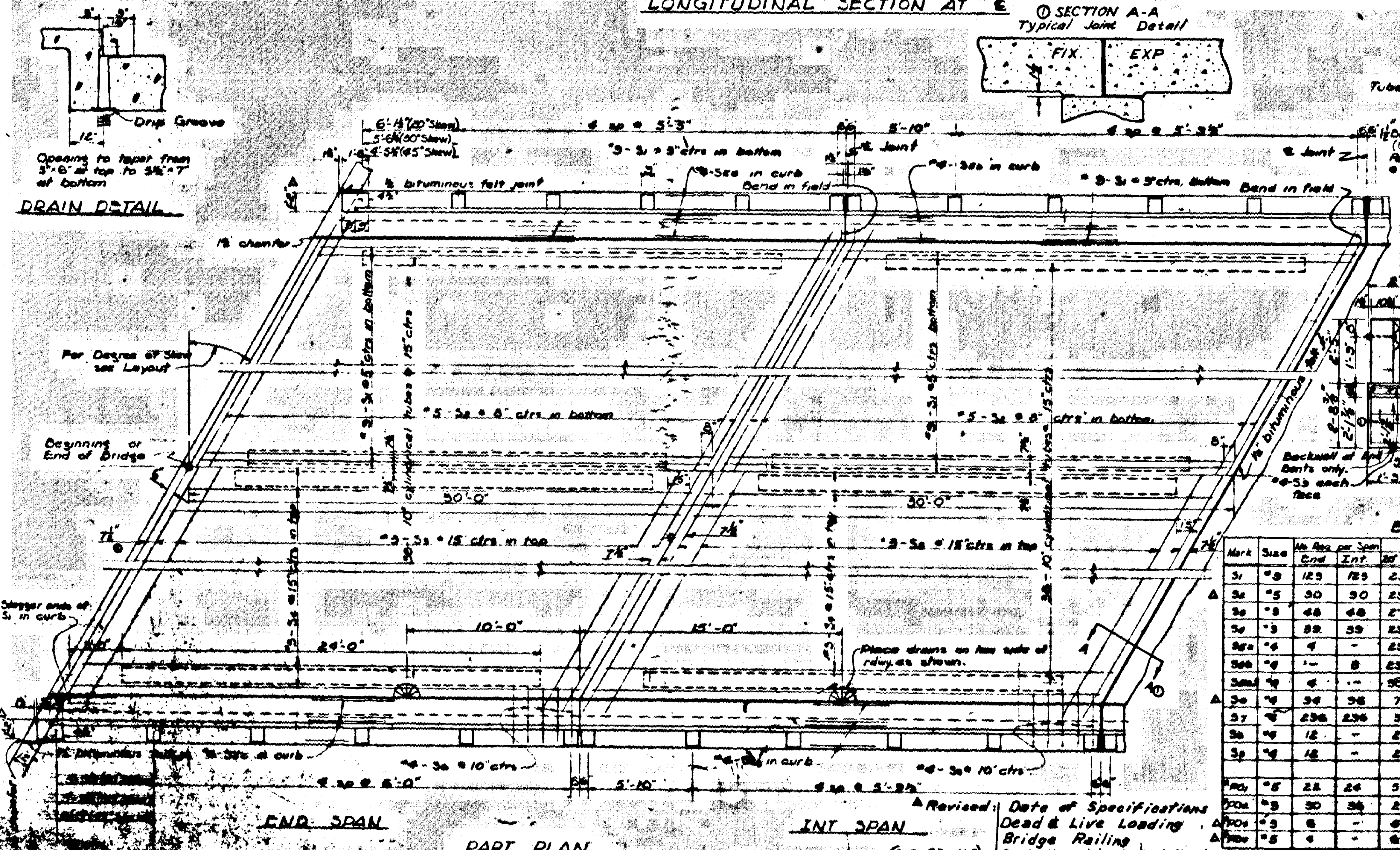
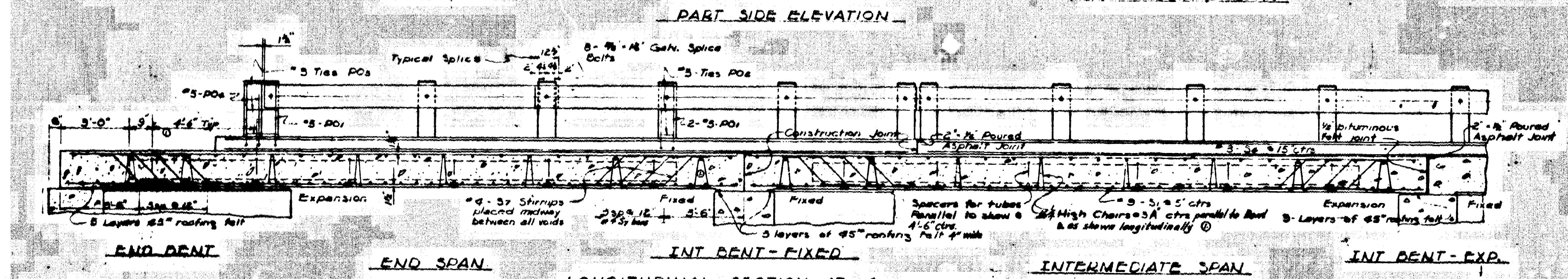
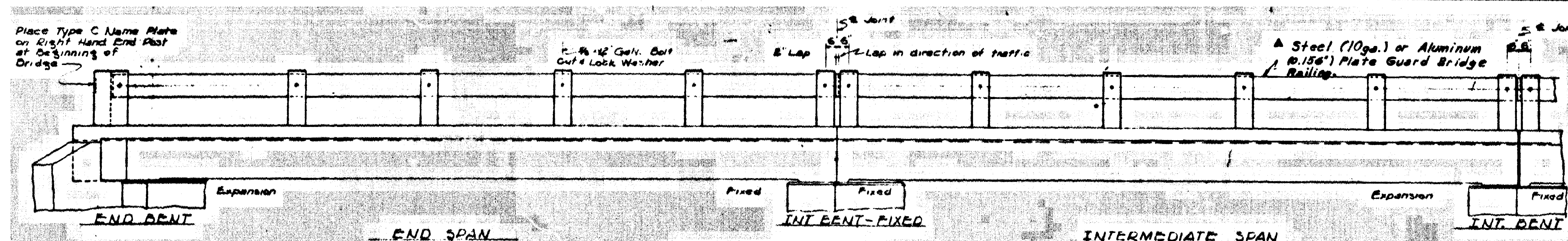
GENERAL NOTES

All concrete to be Class S and to be poured in the dry. All exposed corners to be chamfered 1/4" unless otherwise noted.
Concrete piles to be 16" octagonal precast and to be driven to a minimum capacity of 35 tons per pile and to a minimum penetration of 20' below natural ground line. Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field. Drive one test pile in each of the following: End Bent No. 1, Bridge No. 2675A; Int. Bent No. 4, Bridge No. 2675B; and Int. Bent No. 2, Bridge No. 2675C. Cast test piles 50' long. Piles in End Bents to be driven after embankment is in place. Volumes occupied by embedded pile heads will not be included in pay quantities for concrete caps.
For Details of Pile Bents see Dwg. No. 5408C1 & 5451G1
For Details of 30' RC Slab Spans (26' 0" Rdwy) see Dwg. No. 5408D
For Details of 30' RC Slab Spans (48' 0" Rdwy) see Dwg. No. 5431M
SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction adopted March 1, 1940

LAYOUT OF BRIDGES
(LEFT FRONTAGE ROAD)
(LEFT EXPRESSWAY)
OVER TEN MILE BAYOU
WEST MEMPHIS BYPASS - EAST
CRITTENDEN COUNTY
ROUTE 61 SEC. 1.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

BRIDGE NO. 2675A & 2675B DRAWING NO. 5416
DATE 1-20-54
BY J. H. H.
CHKD. J. H. H.
APP'D. J. H. H.



BAR LIST PER SPAN

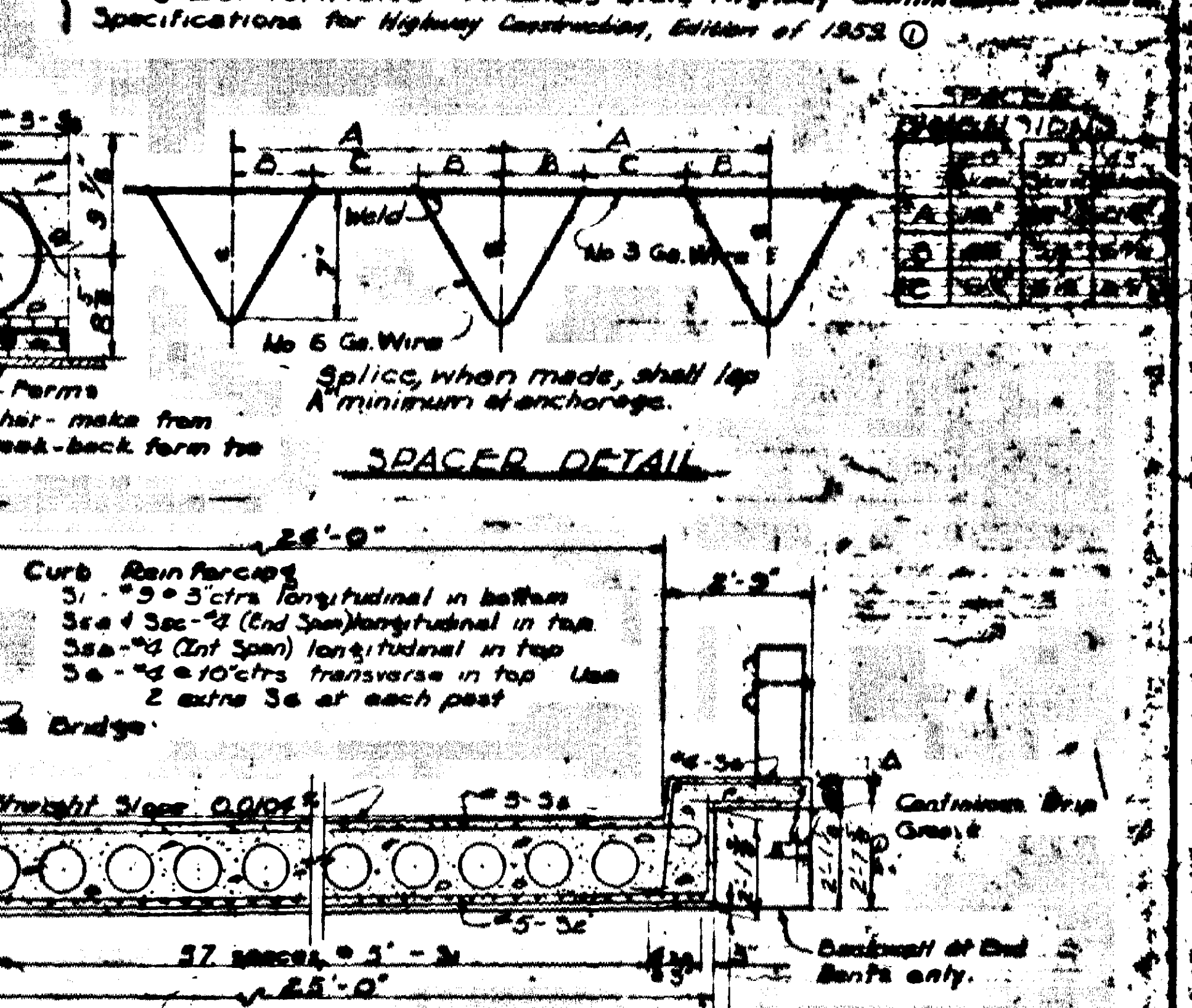
Mark	Size	No. Bars per Span	Length
1	#8	12	23'-7"
2	#8	12	23'-7"
3	#8	12	23'-7"
4	#8	12	23'-7"
5	#8	12	23'-7"
6	#8	12	23'-7"
7	#8	12	23'-7"
8	#8	12	23'-7"
9	#8	12	23'-7"
10	#8	12	23'-7"
11	#8	12	23'-7"
12	#8	12	23'-7"
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100	#8	12	23'-7"

0 2673A SPANS 17144C

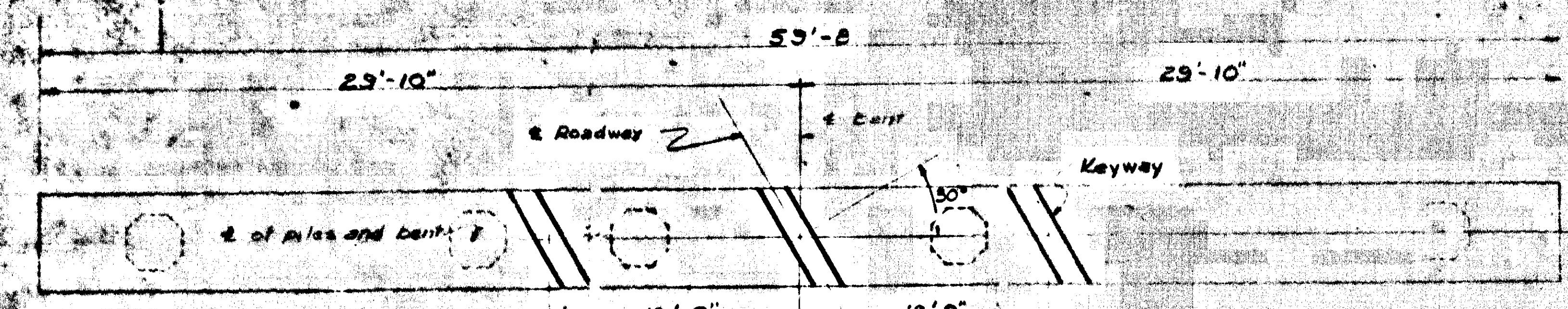
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DESIGN SPECIFICATIONS AASHTO-1961
 Design Live Loading: HS-20-44 Special
 Lead distribution to slab
 Unit Stresses: Class 3 Concrete (f'c=10)
 Reinforcing Steel: 60,000 psi

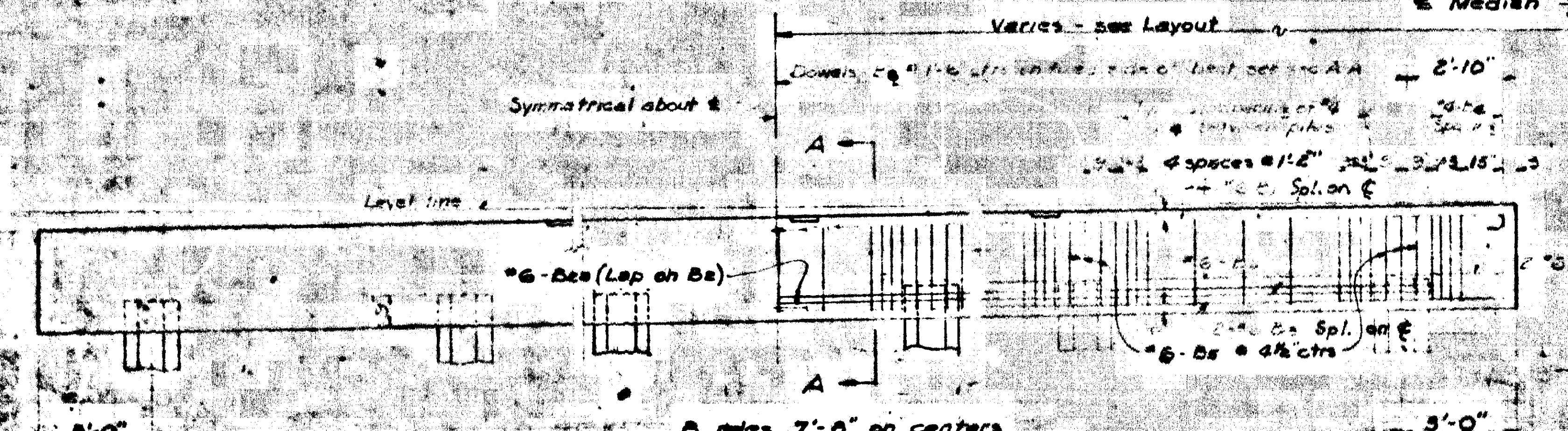
GENERAL NOTES
 All concrete to be Class 3. All exposed corners to be chamfered 1/4" unless otherwise noted.
 Reinforcing steel to be deformed bars of information shown on drawings must be submitted and approved before fabrication is begun.
 All cylindrical tubes used to form voids shall be moisture protected, laminated type construction, minimum thickness 0.025", and shall be furnished complete with end closures.
 All reinforcing steel and fiber tubes shall be secured in the forms and firmly held in place by means of steel wire supports and spacers for tubes of sufficient size and number to prevent displacement during the course of construction, but in no case of lesser design than that shown.
 Wire supports for reinforcing bars will not be paid for directly, but will be considered subsidiary to the item of Reinforcing Steel.
 Tubes for forming voids and wire supports and spacers for tubes will not be paid for directly, but will be considered subsidiary to the item of Class 3 Concrete.
 Shop lists and diagrams of wire supports and spacers for tubes shall be submitted for approval before fabrication is begun.
 Roofing felt, bituminous felt and poured asphalt joints shall be measured and paid for as Class 3 Concrete.
 The Bridge Rating shall be of the type shown on an equivalent rigid type as approved by the Engineer. The Bridge Rating, including all concrete, posts and fastenings shall be paid for at unit price bid per linear foot for Steel or Aluminum Plate and Bridge Rating Specifications for Highway Construction, Edition of 1953.



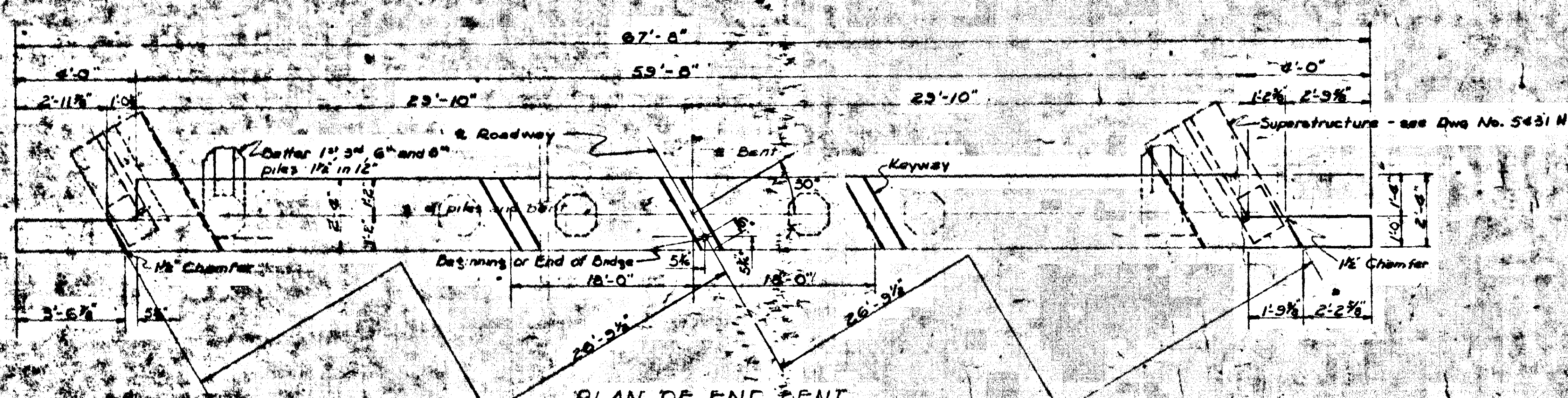
DETAILS OF STANDARD 30'-0" R.C. SLAB SPANS
 20'-0" x 30'-0" x 45" NEW ST/NO
 48'-0" CLEAR ROADWAY, 2 CURBS
 ROUTE 111
 ARKANSAS STATE HIGHWAY COMMISSION
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 GRADING NO. 54314



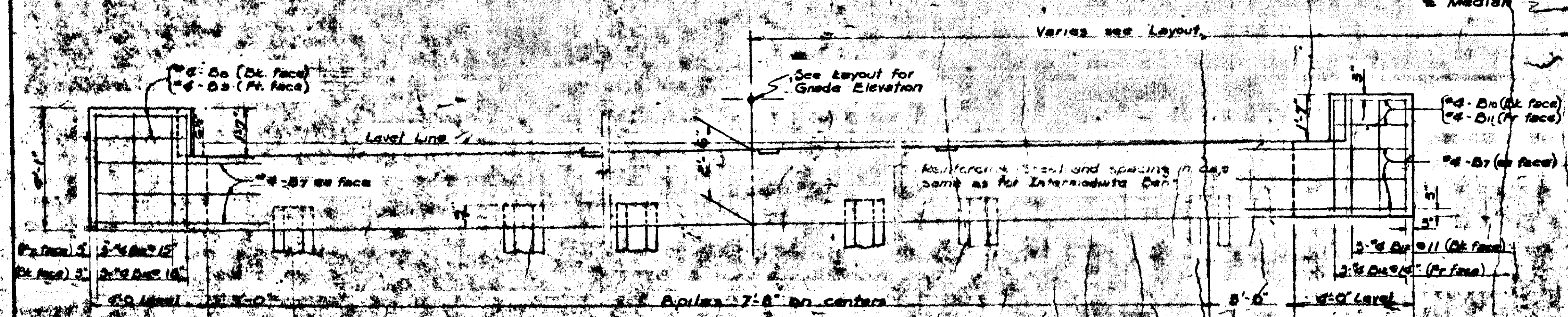
PLAN OF INTERMEDIATE BENT



ELEVATION OF INTERMEDIATE BENT

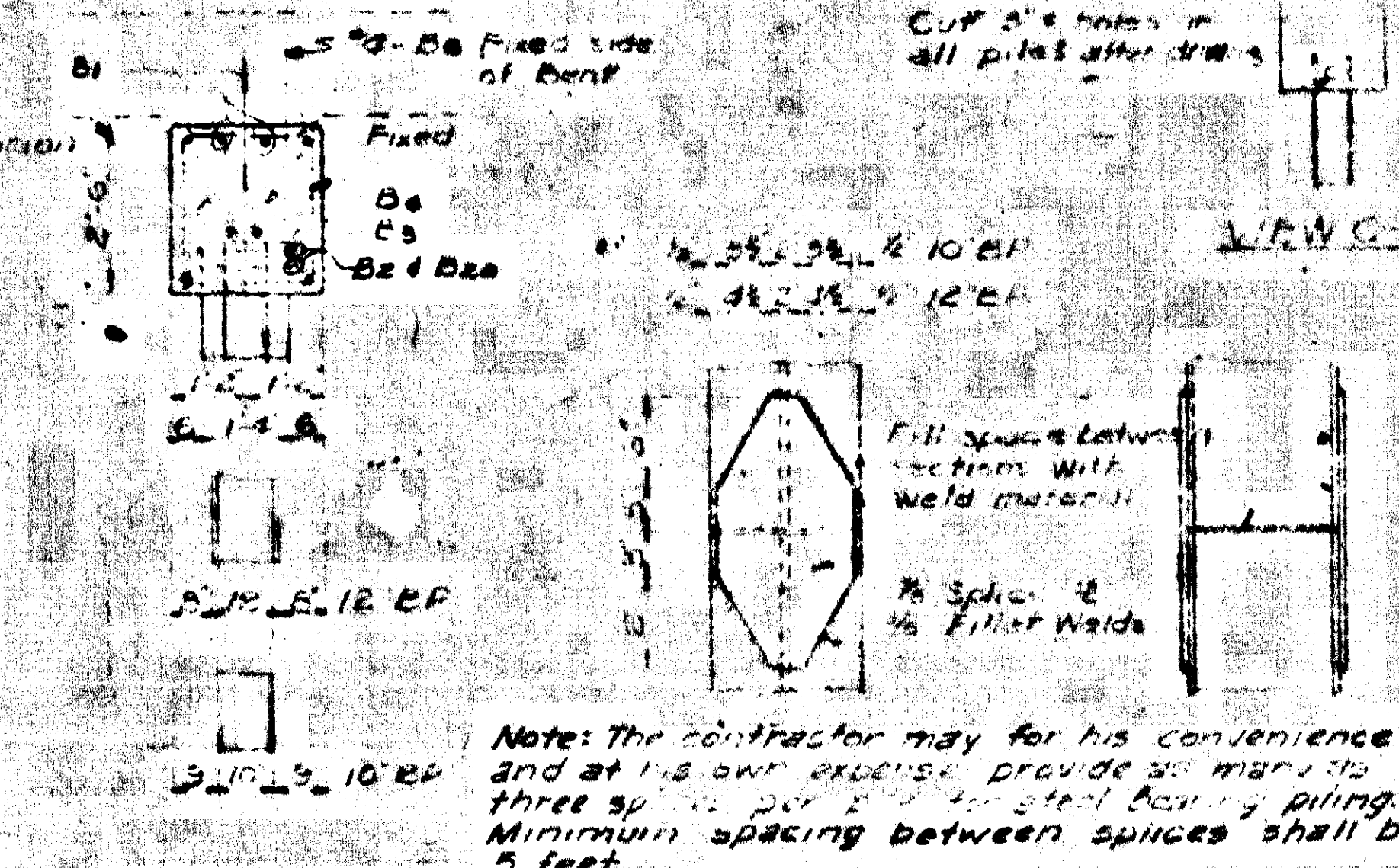


PLAN OF END BENT



ELEVATION OF END BENT (BACK FACE)

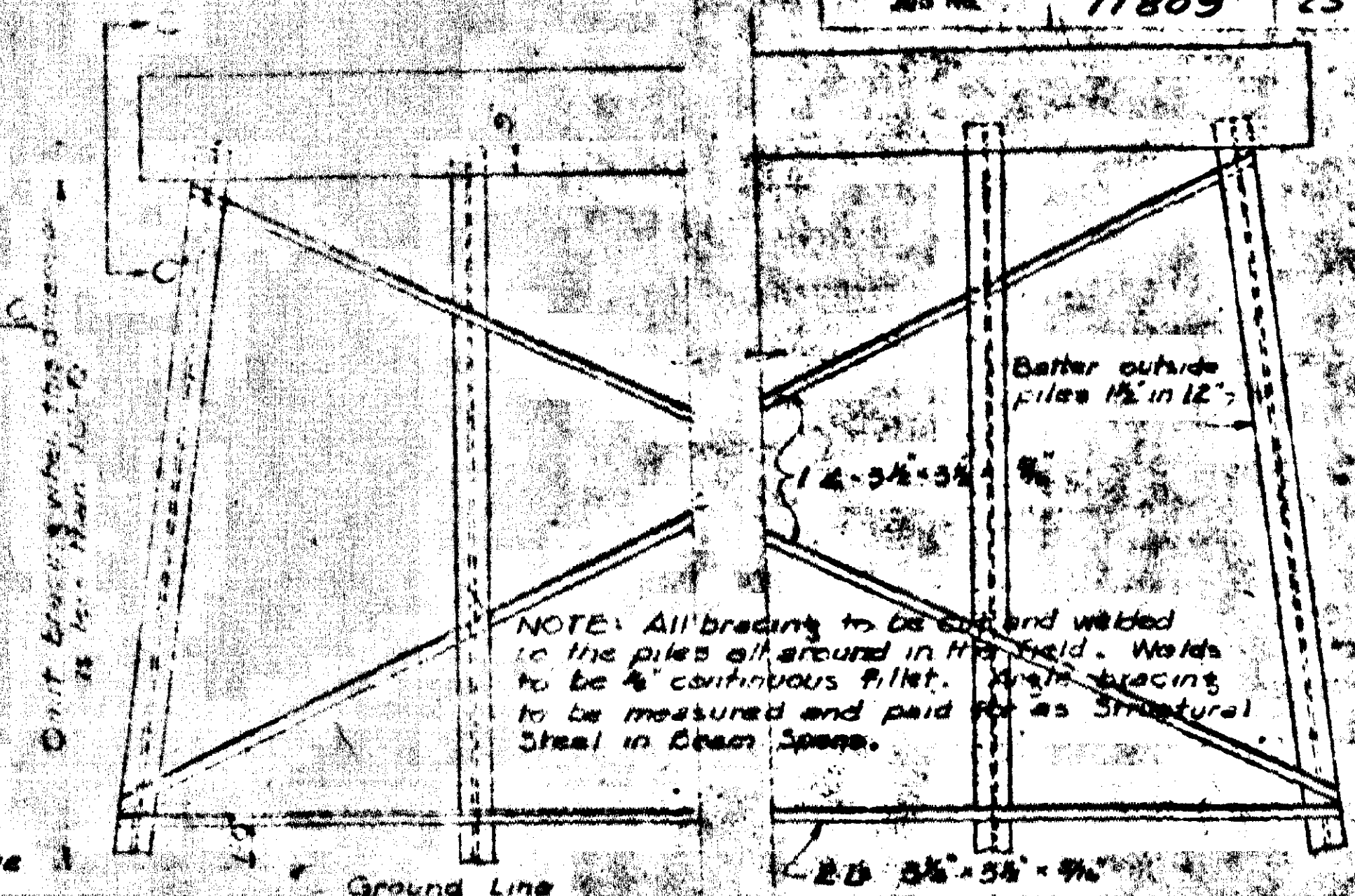
NOTES: Reverse crown when the median is to the left of elevation.



SECTION A-A

STEEL SPICE DETAILS

DETAIL OF KEYWAY



TYPICAL INTERMEDIATE BENT - STEEL PILES

GENERAL NOTES

All concrete to be Class 5 and shall be poured in the dry. All exposed corners to be chamfered unless otherwise noted.
Reinforcing steel to be determined by diagrams of intermediate or end grade.
Shop lists and bending diagrams are to be submitted for approval before fabrication is begun.
All piling shall be driven to a minimum capacity of 35 tons per pile.
Piling shall be either 12" or 16" steel bearing piles or 16" octagonal prestressed concrete piles as shown on the layout.
Volume occupied by embedded pile heads will not be included in the pay quantities of concrete caps.
For Details of Standard 30' O.R.C. Slab Spans see Drawing No. 5431 N.
SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, edition of 1929.

BAR LIST PER BENT

MARK	SIZE	NO. PER BENT	END INT	LENGTH	BENDING DIAGRAM
B1	#6	8	8	31'-0"	B1
B2	#6	4	4	34'-8"	
B3	#6	4	4	24'-4"	
B4	#6	4	4	24'-4"	
B5	#6	8	8	30'-4"	B5
B6	#6	67	67	6'-11"	
B7	#6	26	26	6'-5"	B7
B8	#6	12	12	5'-6"	
B9	#6	2	2	3'-2"	
B10	#6	2	2	2'-8"	
B11	#6	2	2	1'-11"	B11
B12	#6	2	2	2'-5"	
B13	#6	12	12	3'-3"	B13

Dimensions are to centers of bents.

DETAILS OF STANDARD PILE BENTS FOR STD. 30'-O. R.C. SLAB SPANS (WITH 30' SKEW (LT. FWD.))

48'-0" CLEAR ROADWAY 2 CURBS 1'-6"

ROUTE SEC. ARKANSAS STATE HIGHWAY COMMISSION

BRIDGE NO. DRAWING NO. 2673A

ARIZONA STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Scale: 1/4" = 1'-0"
Drawn By: L.M.S. Date: 1-27-50
Checked By: J.M.S. Date: 1-27-50
BRIDGE NO. 2673
DRAWING NO. 7553

DETAILS OF
BENT NO. 5
BRIDGE OVER DITCH NO. 1
WEST MEMPHIS BYPASS
MEMPHIS TO MARION CONNECTION
CRITTENDEN COUNTY
ROUTE 61 SEC. 1
Plan Change #1

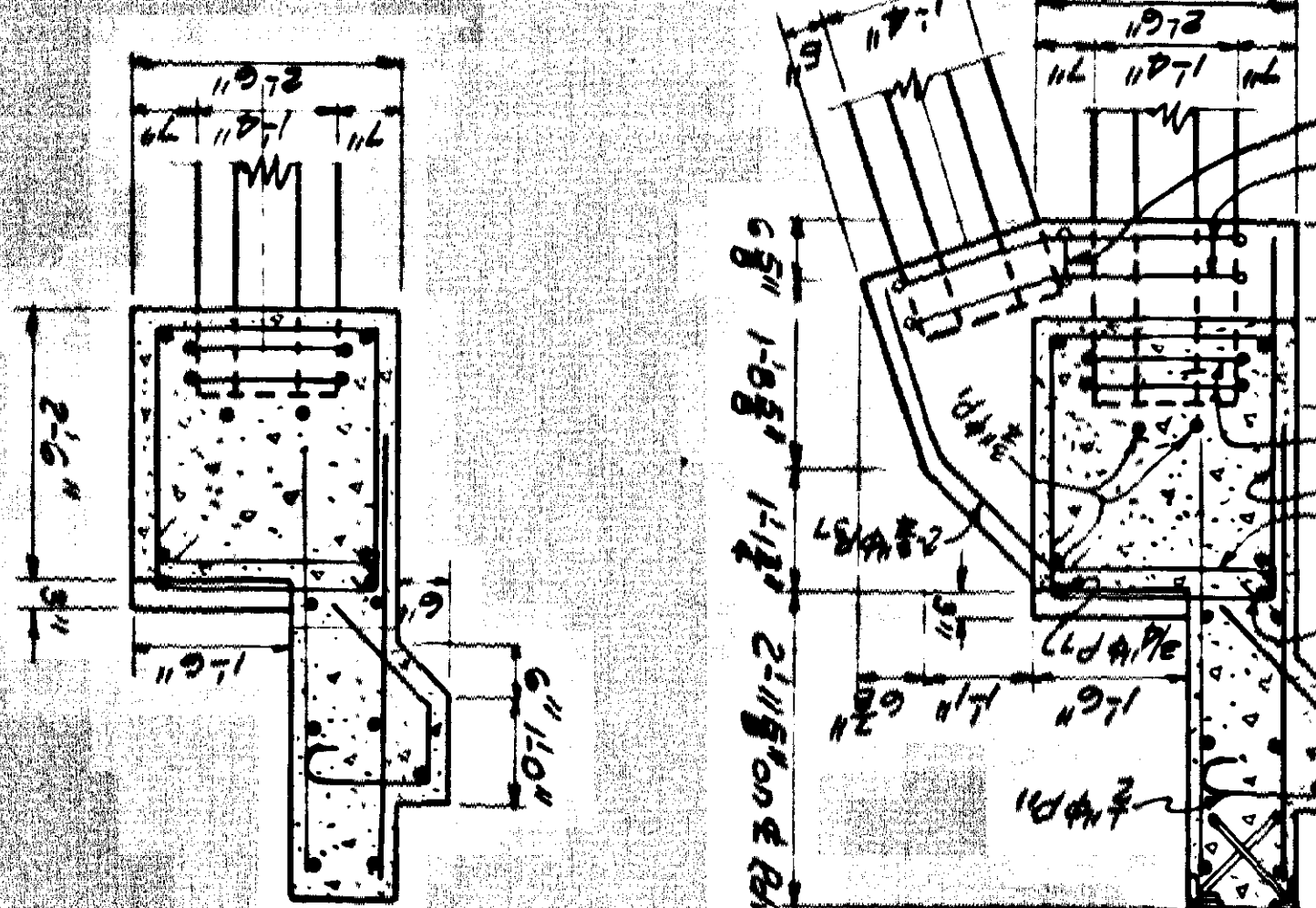
Note: This drawing shows
Rt. Fwd. Skew. Construct
Br. 2673 on opposite
hand skew (Lt. Fwd.)
Plan Change #1

GENERAL NOTES:
All concrete to be Class "S"
All exposed corners to have 1/2" chamfer unless
otherwise noted.
Maximum computed bearing 30 tons per pile bents 2 to 4 incl.
Drive to a minimum bearing of 35 tons per pile bents 2 to 4 incl.
Maximum computed bearing of 30 tons per pile bents 1 & 5
Drive to a minimum bearing of 30 tons per pile bents 1 & 5
For additional general notes see drawing No. 7555

LIST OF BENT BARS

Bar No.	Bar Size	Bar Length	Bar Quantity
B1	1/2" x 1/2"	10'-0"	1
B2	1/2" x 1/2"	10'-0"	1
B3	1/2" x 1/2"	10'-0"	1
B4	1/2" x 1/2"	10'-0"	1
B5	1/2" x 1/2"	10'-0"	1
B6	1/2" x 1/2"	10'-0"	1
B7	1/2" x 1/2"	10'-0"	1
B8	1/2" x 1/2"	10'-0"	1
B9	1/2" x 1/2"	10'-0"	1
B10	1/2" x 1/2"	10'-0"	1
B11	1/2" x 1/2"	10'-0"	1
B12	1/2" x 1/2"	10'-0"	1
B13	1/2" x 1/2"	10'-0"	1
B14	1/2" x 1/2"	10'-0"	1
B15	1/2" x 1/2"	10'-0"	1
B16	1/2" x 1/2"	10'-0"	1
B17	1/2" x 1/2"	10'-0"	1
B18	1/2" x 1/2"	10'-0"	1
B19	1/2" x 1/2"	10'-0"	1
B20	1/2" x 1/2"	10'-0"	1
B21	1/2" x 1/2"	10'-0"	1
B22	1/2" x 1/2"	10'-0"	1
B23	1/2" x 1/2"	10'-0"	1
B24	1/2" x 1/2"	10'-0"	1
B25	1/2" x 1/2"	10'-0"	1
B26	1/2" x 1/2"	10'-0"	1
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B28	1/2" x 1/2"	10'-0"	1
B29	1/2" x 1/2"	10'-0"	1
B30	1/2" x 1/2"	10'-0"	1
B31	1/2" x 1/2"	10'-0"	1
B32	1/2" x 1/2"	10'-0"	1
B33	1/2" x 1/2"	10'-0"	1
B34	1/2" x 1/2"	10'-0"	1
B35	1/2" x 1/2"	10'-0"	1
B36	1/2" x 1/2"	10'-0"	1
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B84	1/2" x 1/2"	10'-0"	1
B85	1/2" x 1/2"	10'-0"	1
B86	1/2" x 1/2"	10'-0"	1
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B97	1/2" x 1/2"	10'-0"	1
B98	1/2" x 1/2"	10'-0"	1
B99	1/2" x 1/2"	10'-0"	1
B100	1/2" x 1/2"	10'-0"	1

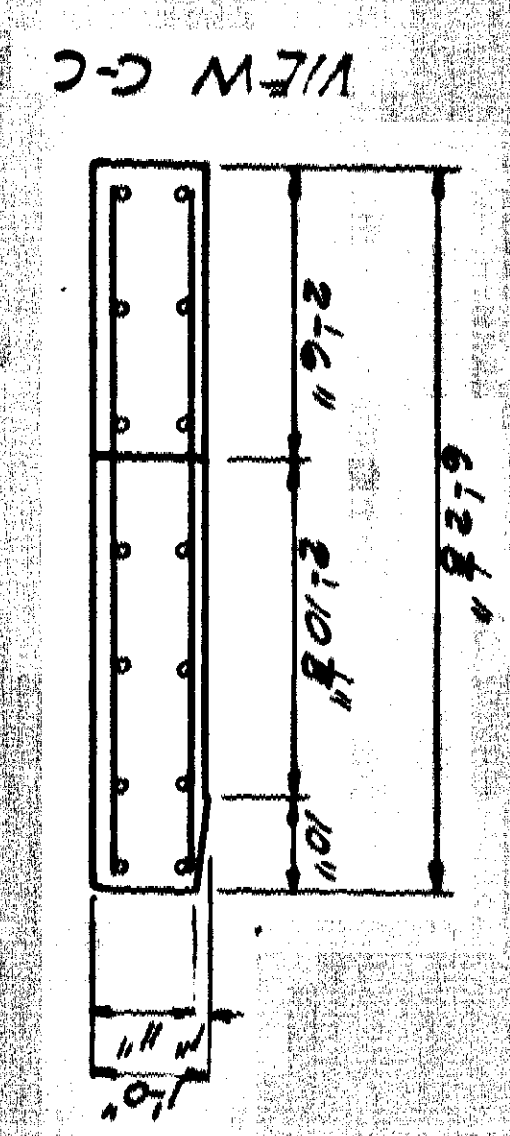
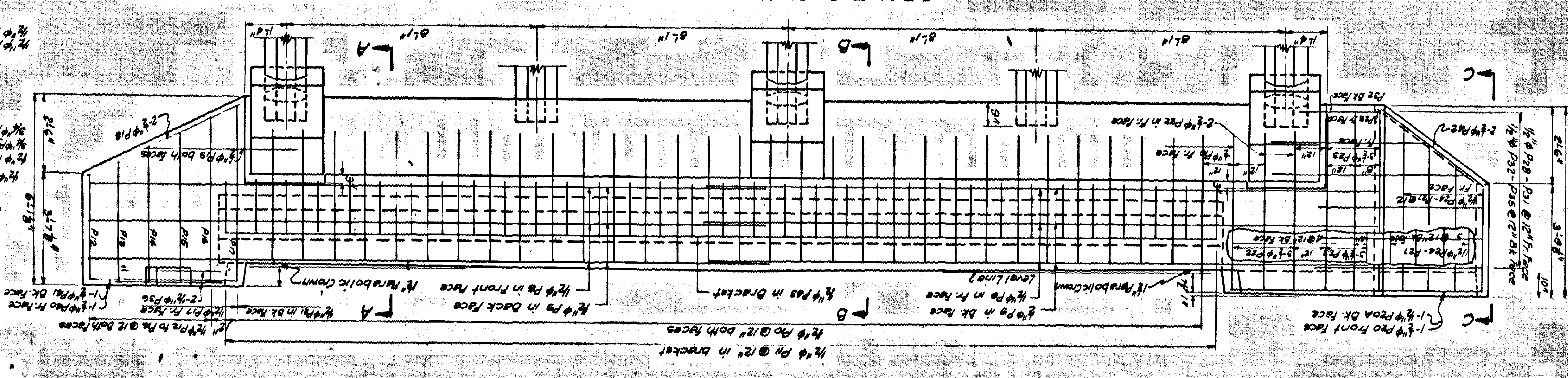
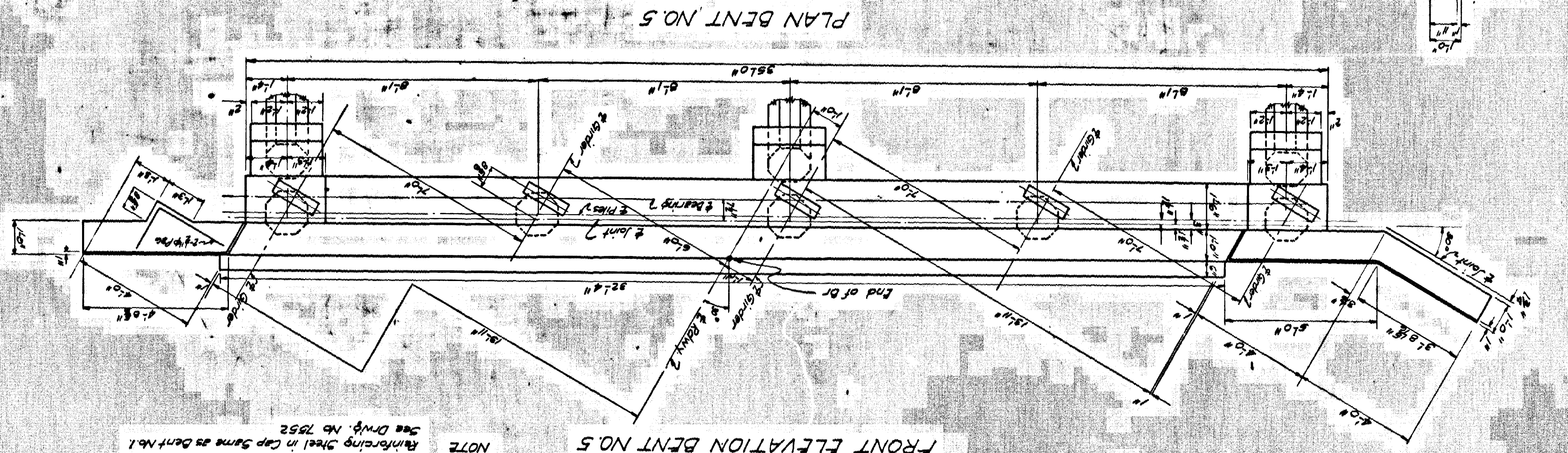
SECTION A-A

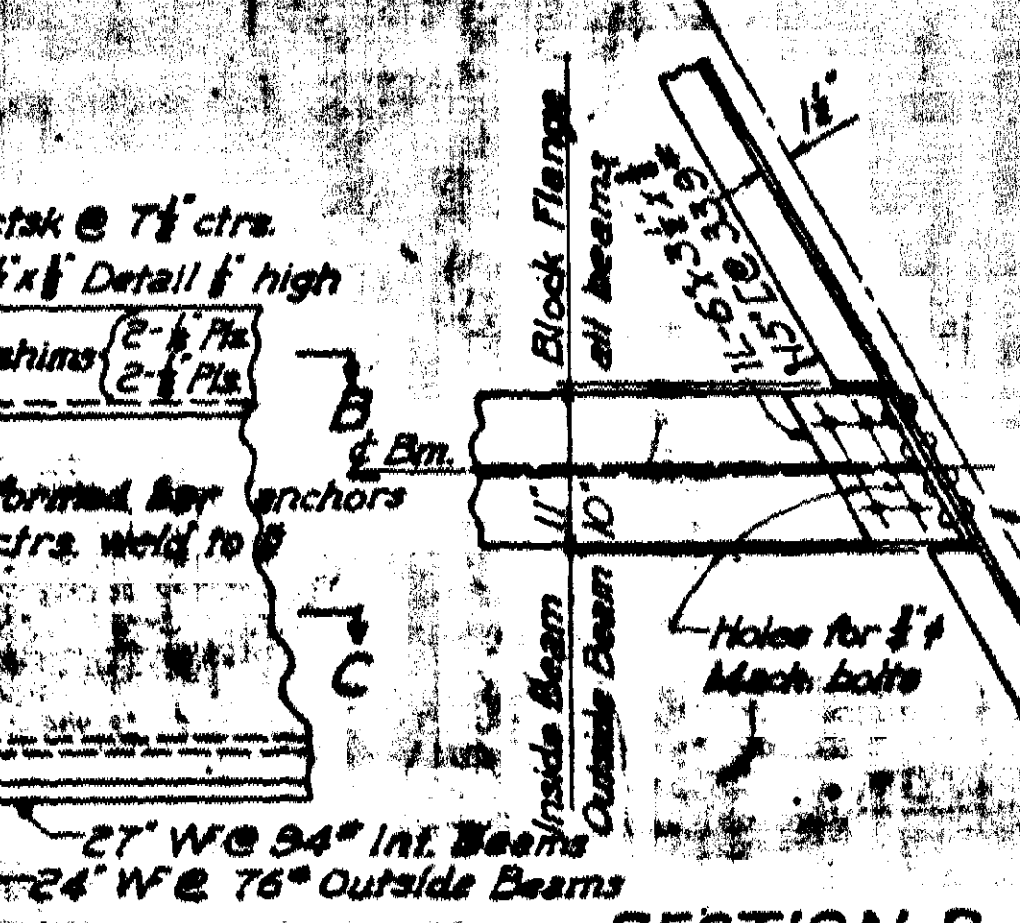
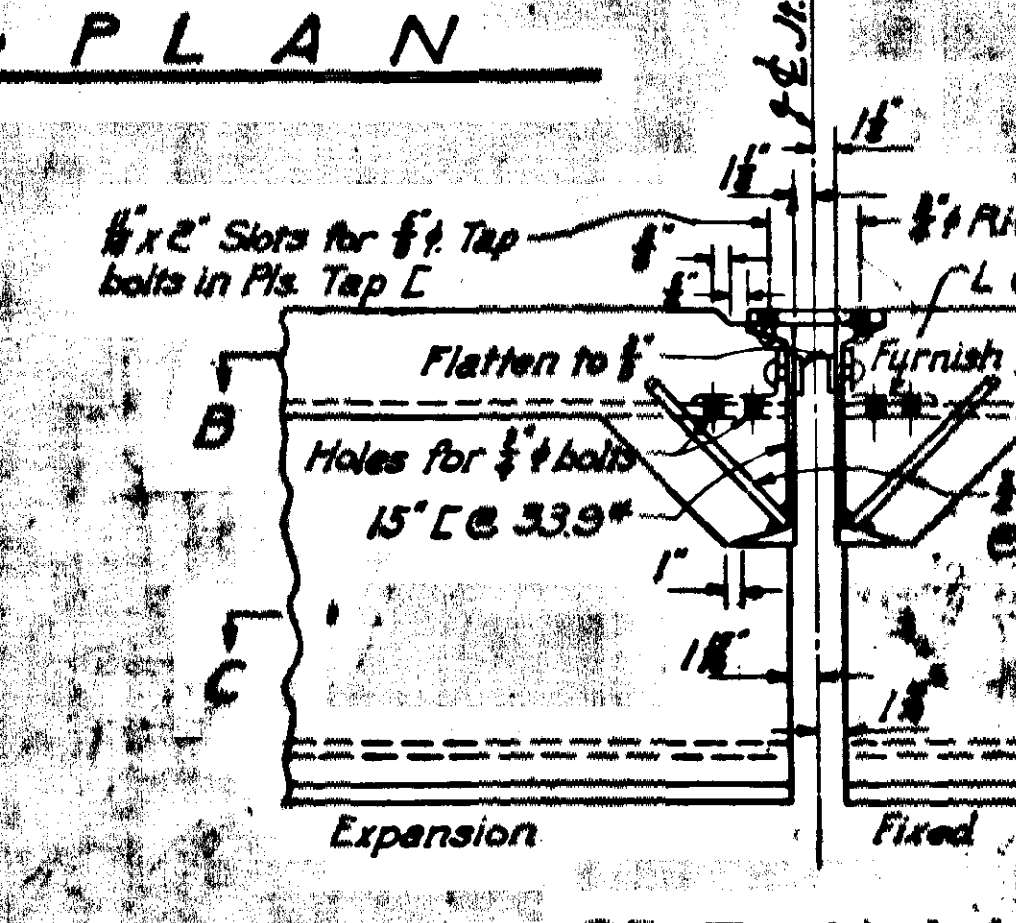
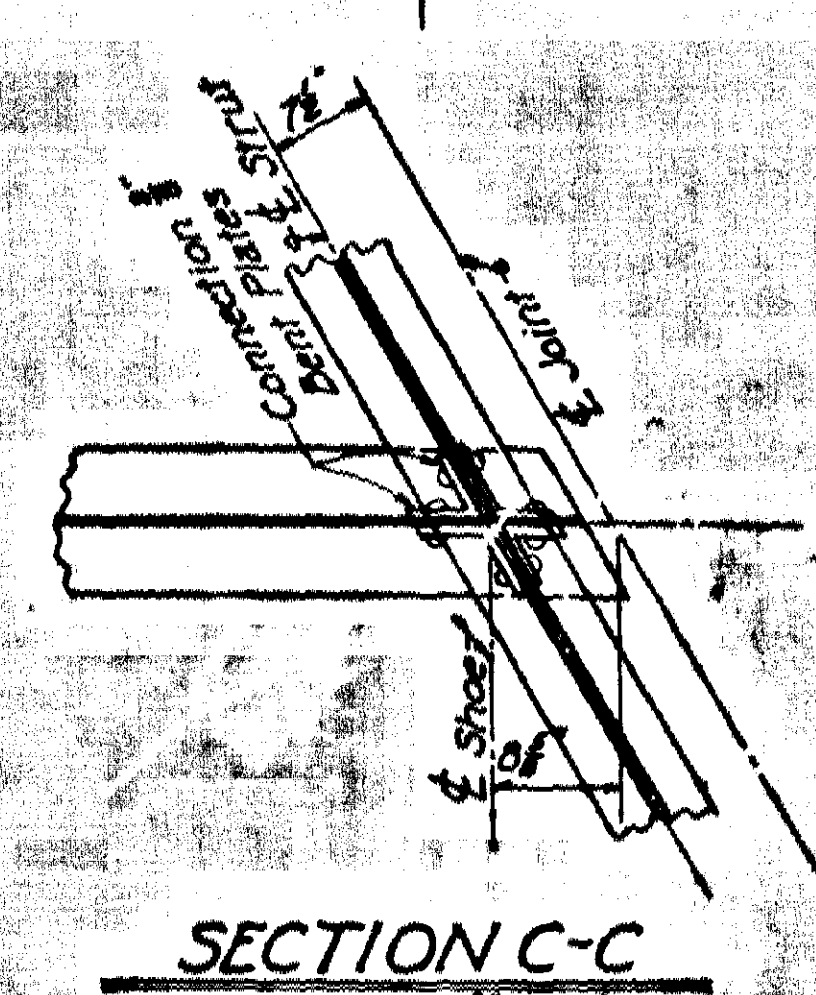
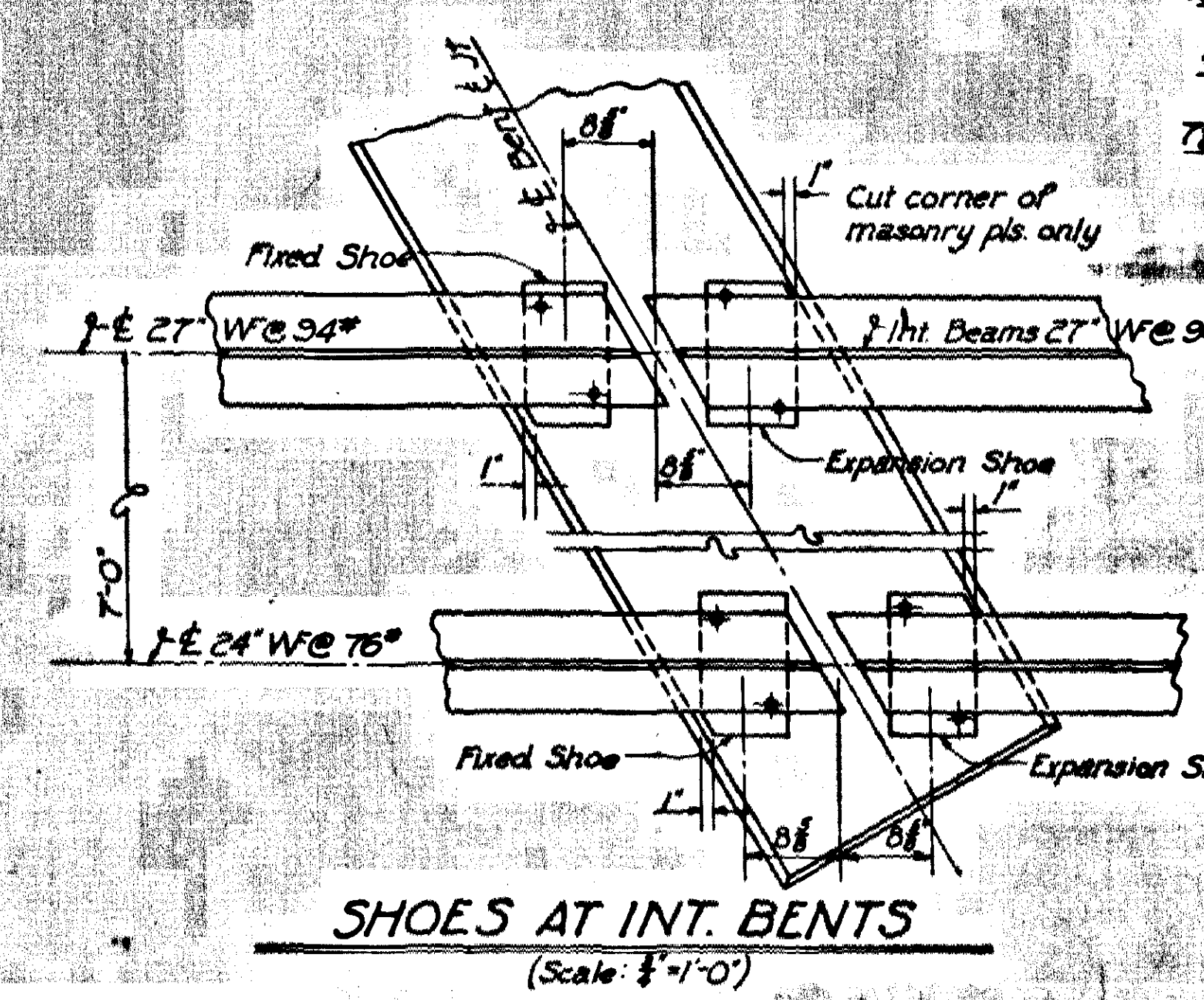
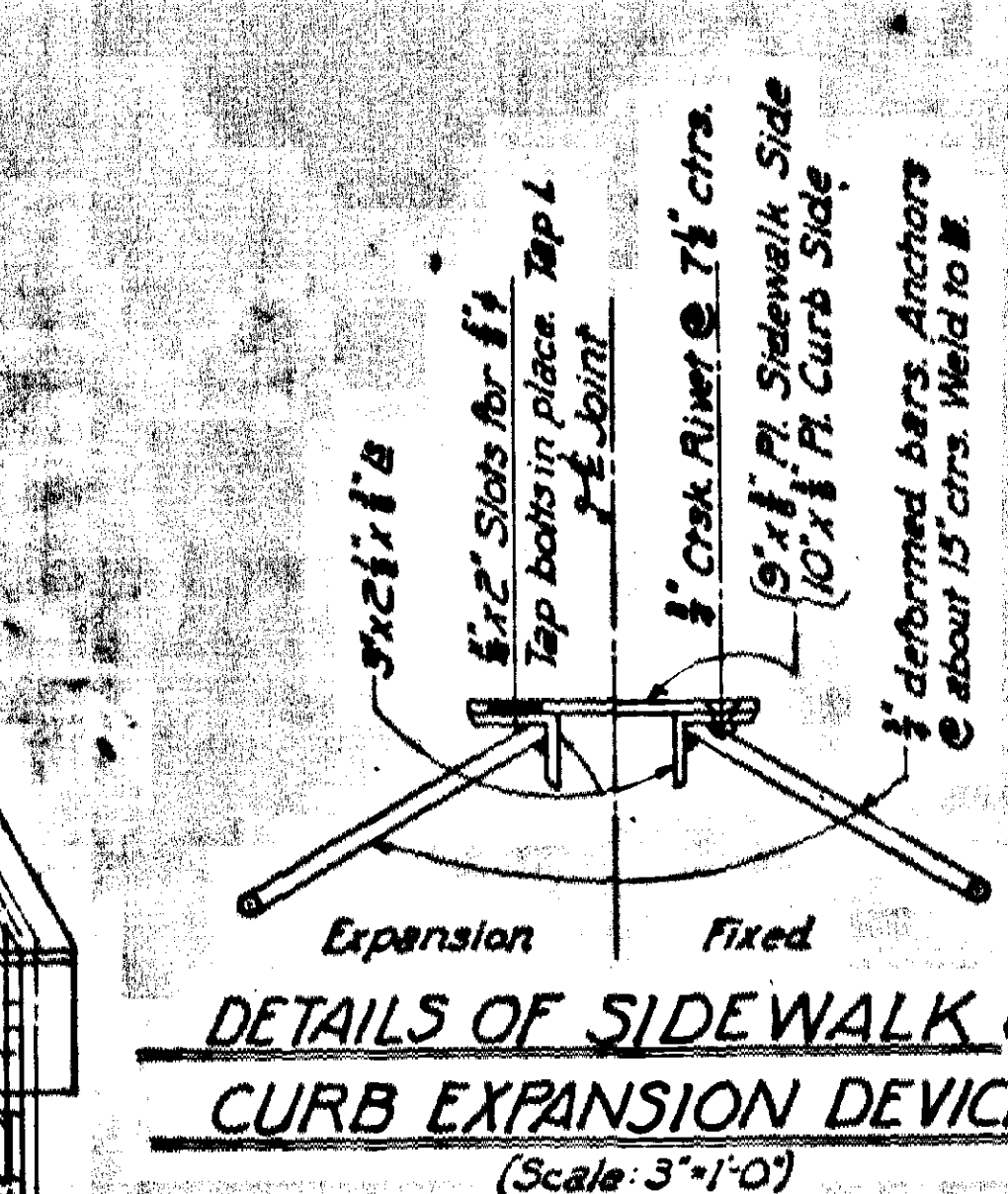
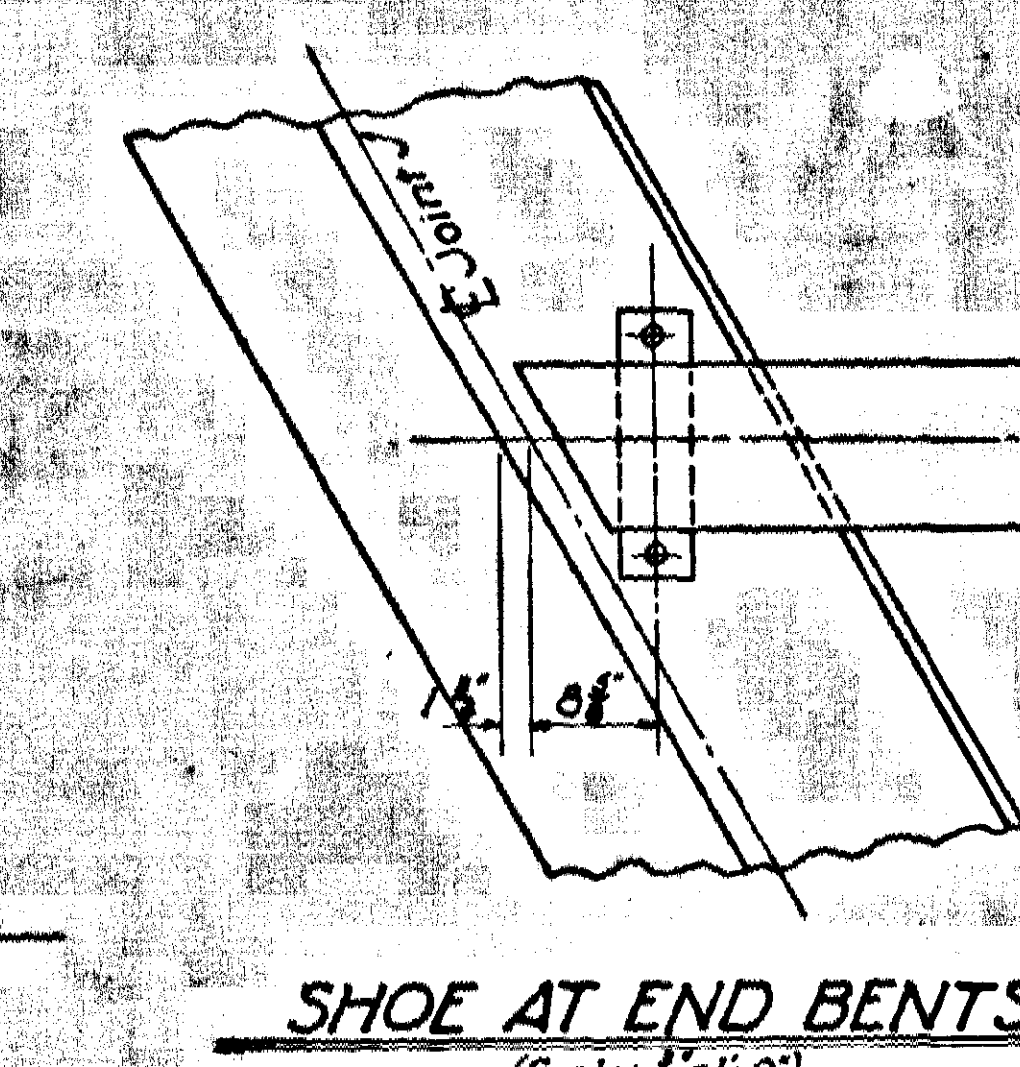
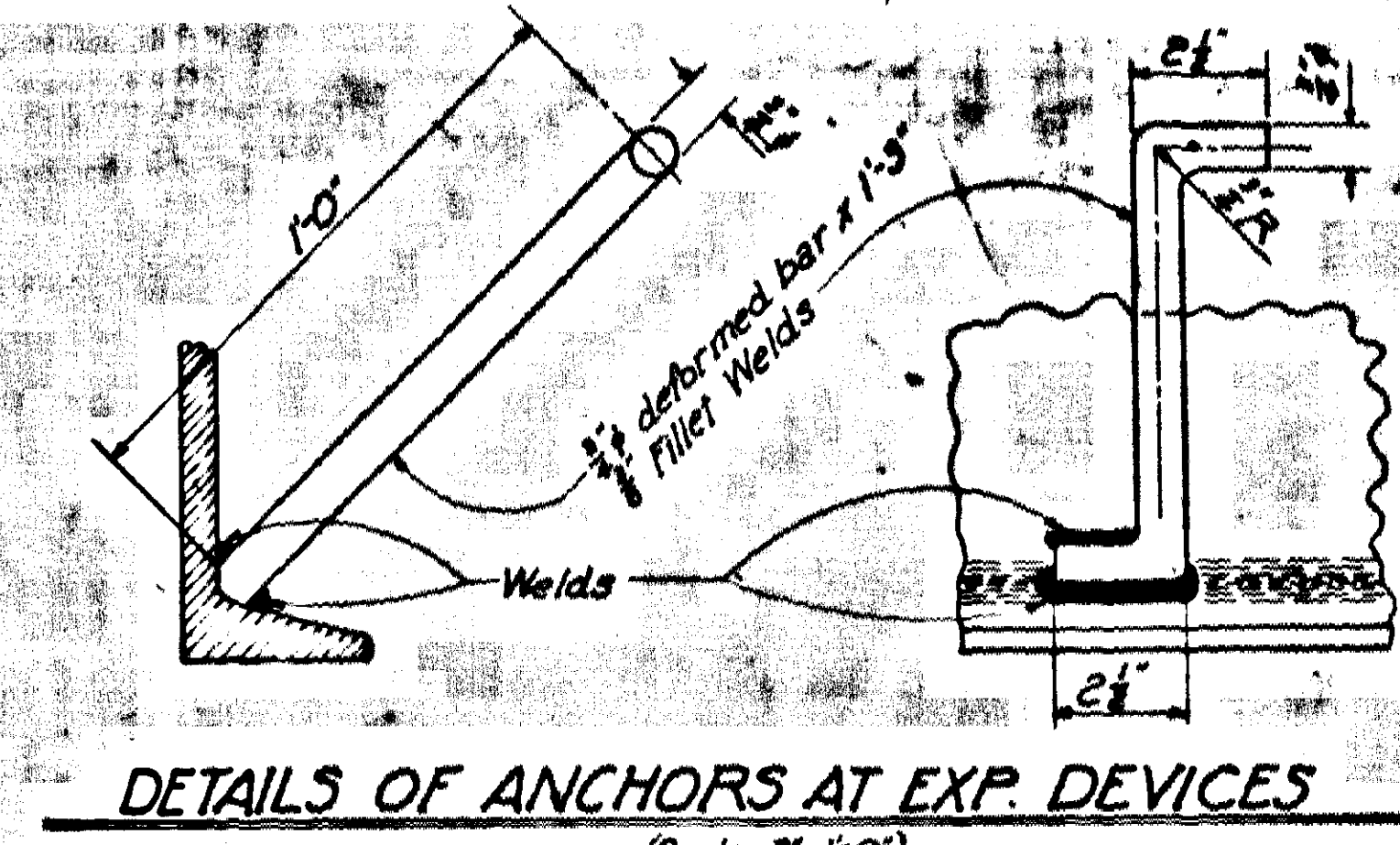
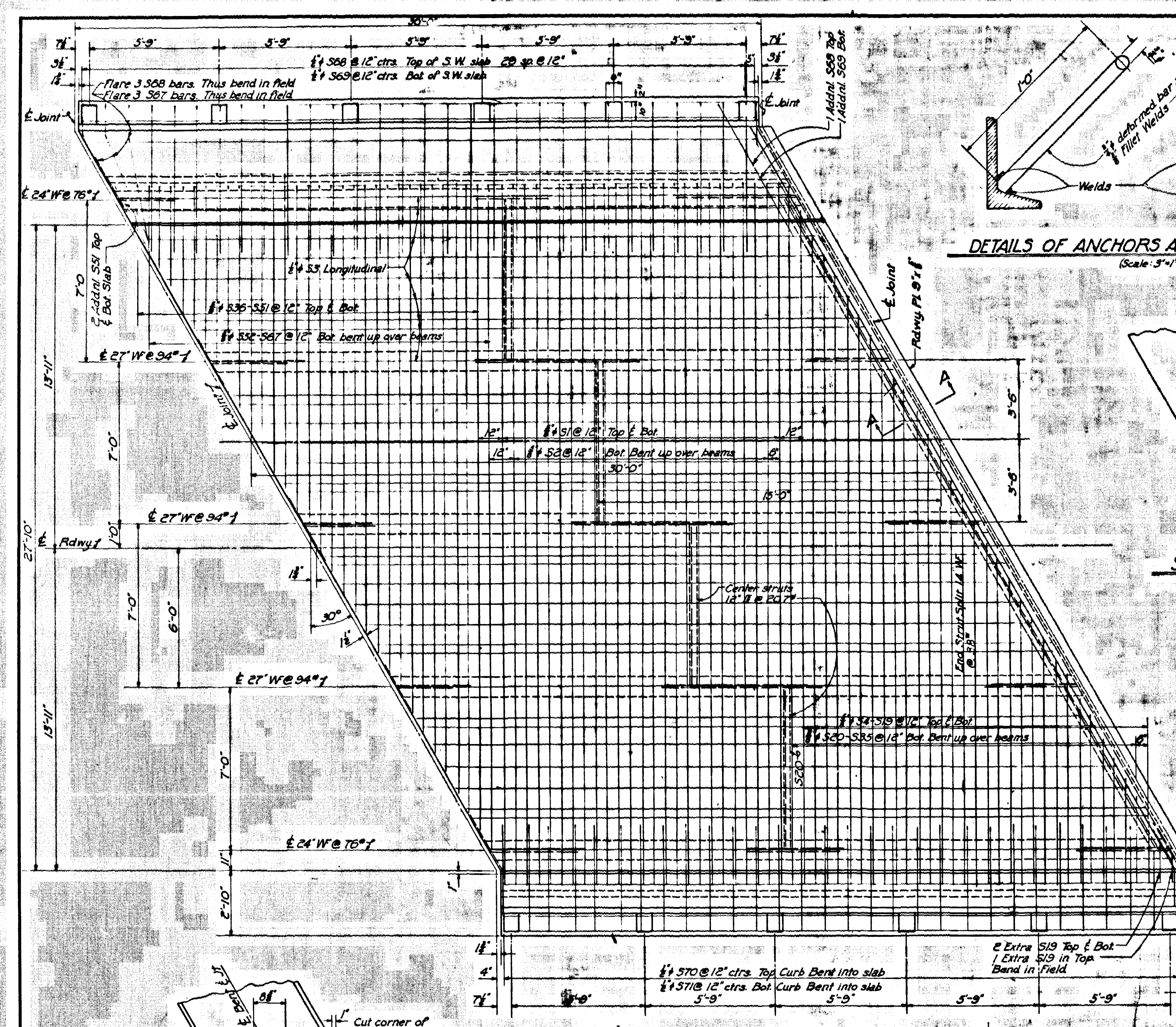


Plan Change No. 1

Job No.	Project No.	Sheet No.
11509	1-40-5(2)280	25

SECTION B-B





Note: This drawing shows Rt. Fwd. Skew. Construct Br. 2673 on opposite hand skew (Lt. Fwd.) Plan Change #1

② 2673 3PAN 1714dG

Plan Change No. 1

PER ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2673	ARK.	2-40-5(63)280		26	25

JOB NO. 11809

Diagram

Mark	Size	Length	A	B	C
S1	1/2"	30'-2"			
S3	1/2"	29'-4"			
S4 To S19	1/2"	Ave. 15'-6"	Varies 3'-0" to 29'-0"		
S36 To S51	1/2"	Ave. 15'-4"	Varies 1'-10" to 27'-10"		
S2	1/2"	31'-1"	2'-2"	30'-2"	3'-2"
S20	1/2"	30'-9"	1'-10"		
S21	1/2"	28'-11"	3'-10"		
S22	1/2"	27'-3"	2'-6"		
S23	1/2"	25'-4"	3'-0"		
S24	1/2"	23'-8"	1'-9"		
S25	1/2"	21'-9"	3'-10"		
S26	1/2"	20'-1"	2'-2"		
S27	1/2"	18'-2"	3'-7"		
S28	1/2"	16'-5"	1'-10"		
S29	1/2"	14'-7"	3'-11"		
S30	1/2"	12'-11"	2'-3"		
S31	1/2"	11'-0"	3'-0"		
S32	1/2"	9'-3"	1'-11"		
S33	1/2"	7'-5"	3'-11"		
S34	1/2"	5'-9"	2'-3"		
S35	1/2"	3'-11"	3'-11"		
S36	1/2"	29'-7"	2'-2"	1'-8"	
S37	1/2"	27'-9"			3'-8"
S38	1/2"	26'-0"		1'-11"	
S39	1/2"	24'-2"			3'-4"
S40	1/2"	22'-5"			1'-7"
S41	1/2"	20'-7"			3'-8"
S42	1/2"	18'-10"			1'-11"
S43	1/2"	17'-0"			3'-4"
S44	1/2"	15'-3"			1'-8"
S45	1/2"	13'-5"			3'-9"
S46	1/2"	11'-8"			2'-0"
S47	1/2"	9'-10"			3'-5"
S48	1/2"	8'-14"			1'-8"
S49	1/2"	6'-3"			3'-9"
S50	1/2"	4'-6"			2'-0"
S51	1/2"	2'-8"			
S52	1/2"	7'-11"	4'-3"	1'-4"	2'-0"
S53	1/2"	5'-8"	3'-2"	0'-8"	2'-0"
S54	1/2"	5'-7"	1'-11"	1'-4"	2'-0"
S55	1/2"	4'-2"	1'-7"	0'-7"	2'-0"

Straight

S36-S51
S4-S19

S2-S20

do

do

do

do

do

do

do

do

do

do

S58, S70

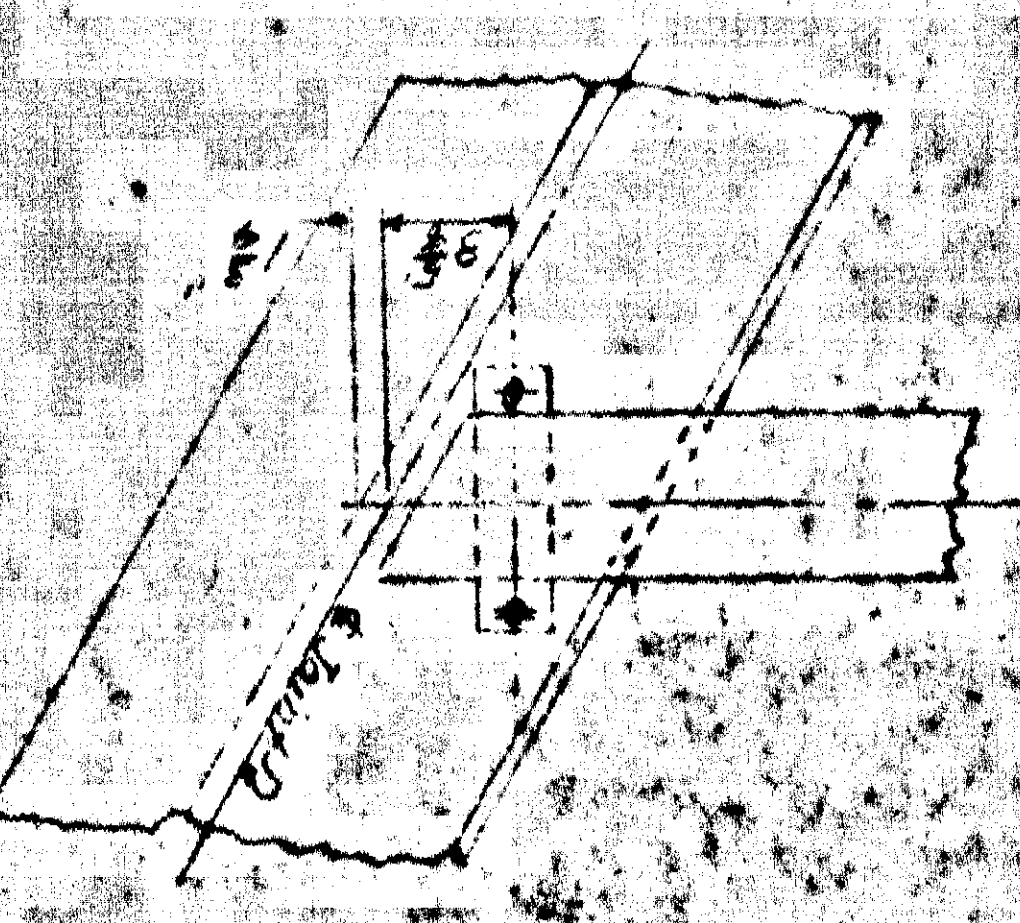
S69, S71

DETAILS OF
30'-0" I-BEAM SPAN
28' CLEAR ROADWAY
30° SKEW RT. FWD.
BRIDGE OVER DITCH NO. 1
WEST MEMPHIS BYPASS
MEMPHIS TO MARION CONNECTION
CRITTENDEN COUNTY
ROUTE 61 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: L.A.M. Date: 1-8-50
Traced By: W. Date: 1-24-50
Checked By: Date:
BRIDGE NO. 2673 DRAWING NO. 7554
File as drawing 17144G

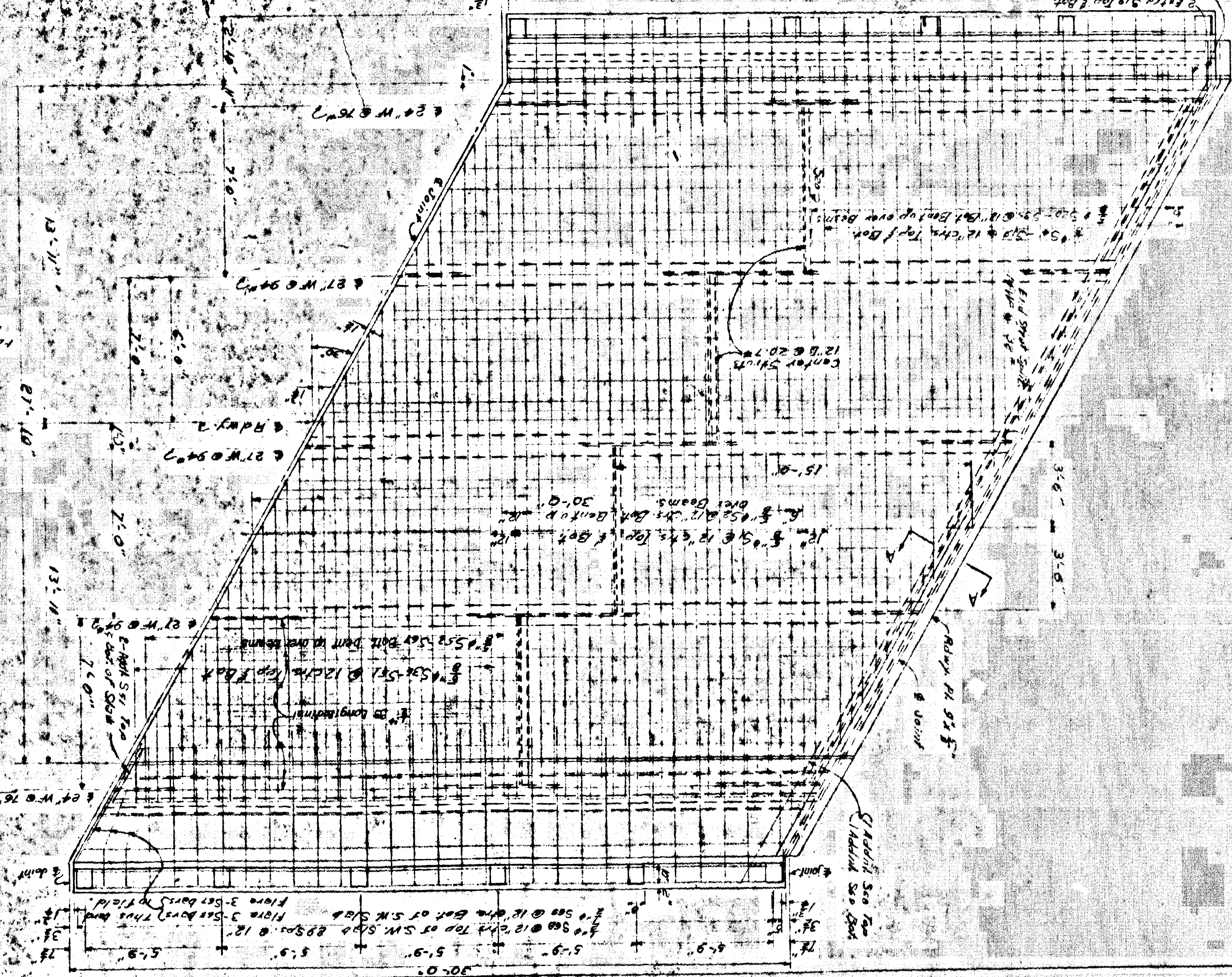
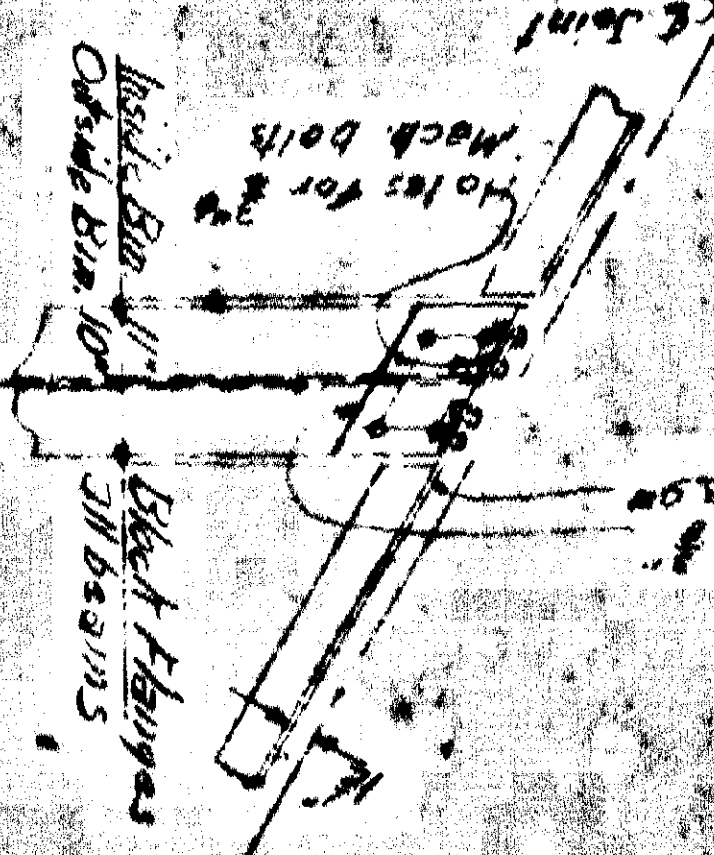
DETAILS OF
 30' 0" I-BEAM SPAN
 28' CLEAR ROADWAY
 30° SKEW LT. FWD.
 BRIDGE OVER DITCH NO. 1
 WEST MEMPHIS BYPASS
 MEMPHIS TO MARION CONNECTION
 CRITTENDEN COUNTY
 ROUTE 61 SEC. 1
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: S.W.B. 2-7-59
 Check By: [blank]
 Date: [blank]
 Bridge No. 6673
 Drawing No. 7554A
 File as dwg 17146 H

NOTE: THIS DRAWING IS TO BE USED IN
 CONNECTION WITH DRAWING 7554

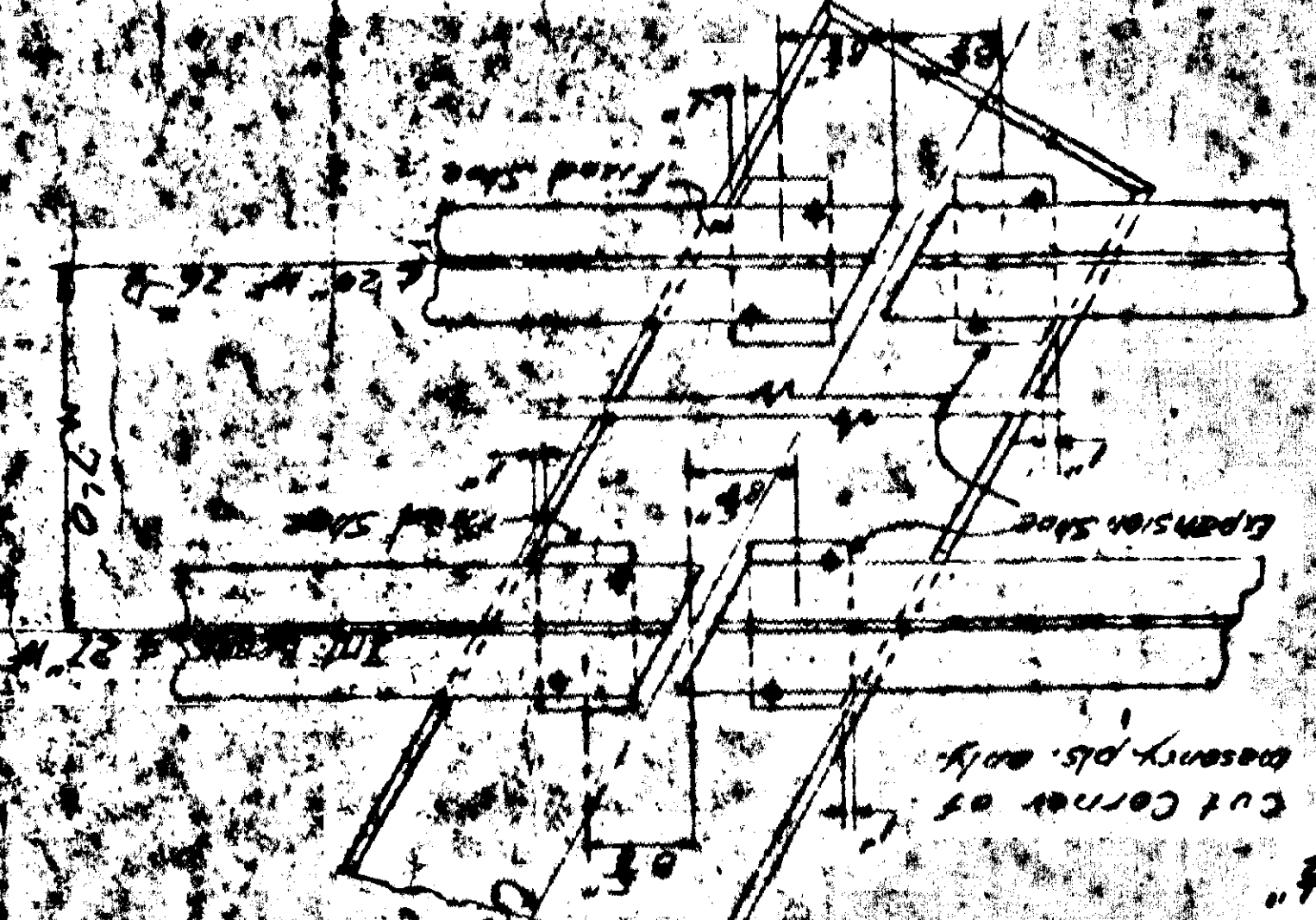
SHOE AT END BENTS



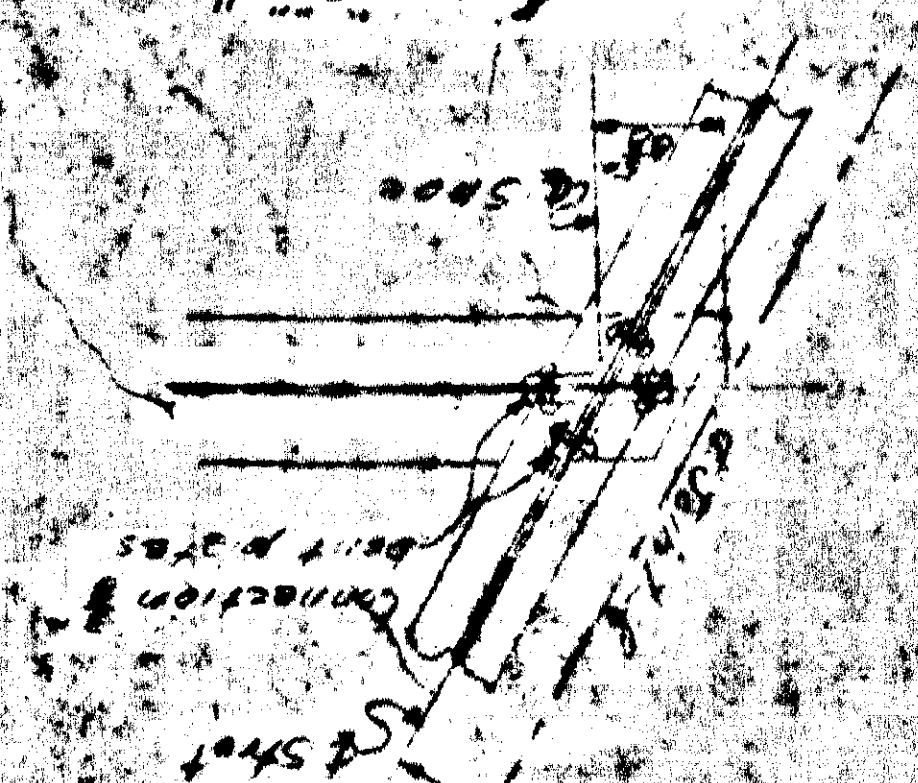
SECTION B-B



SHOES AT INT. BENT



SECTION C-C

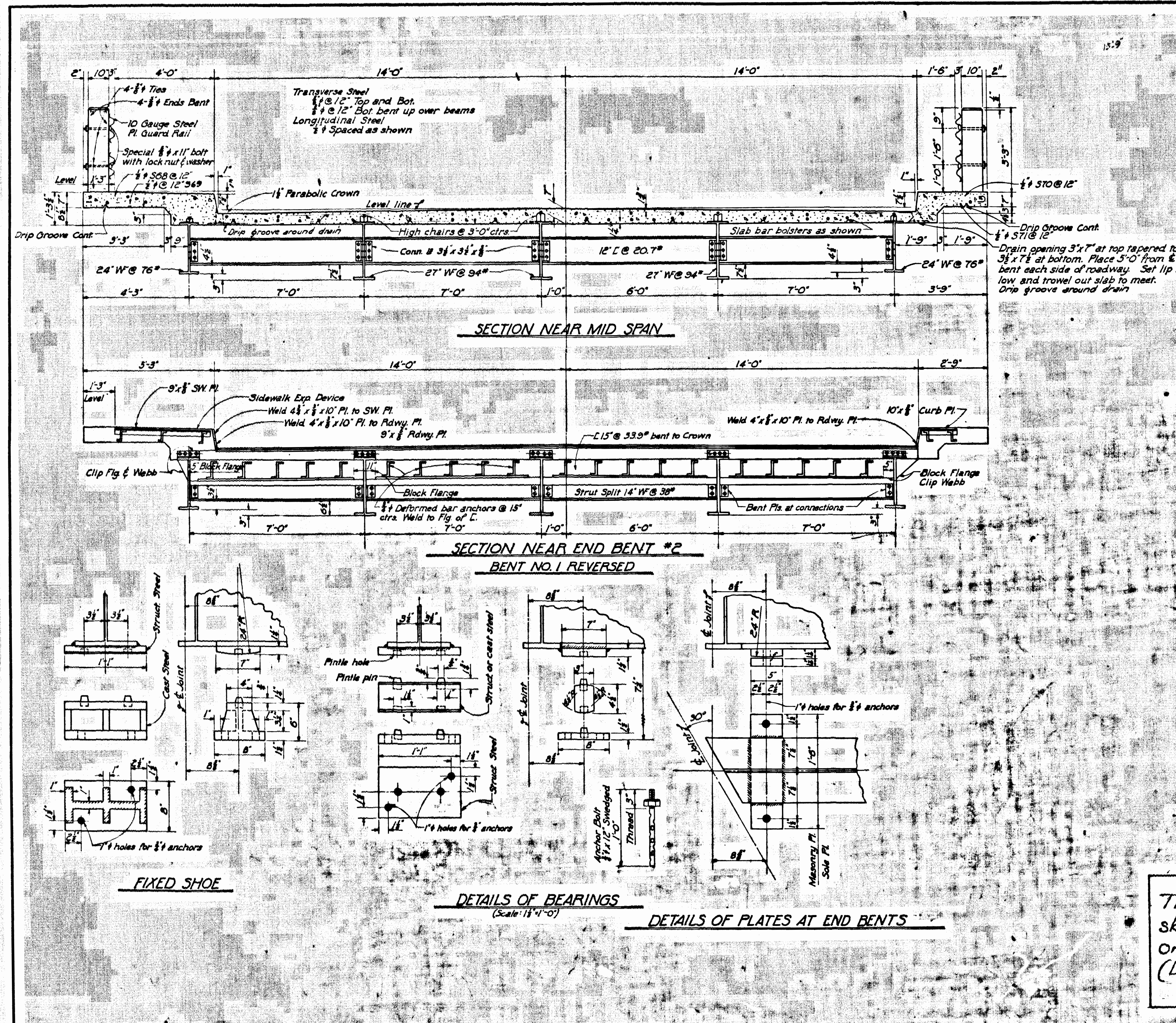


SECTION A-A



PLAN

27 35
 11809
 5-40-56(23280)
 17146 H



2673 SPAN 17144 I

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ARK.	2-40-5(2)280		28	95
JOB NO. 11809				

Plan Change No. 1

LOADING H-20.S16

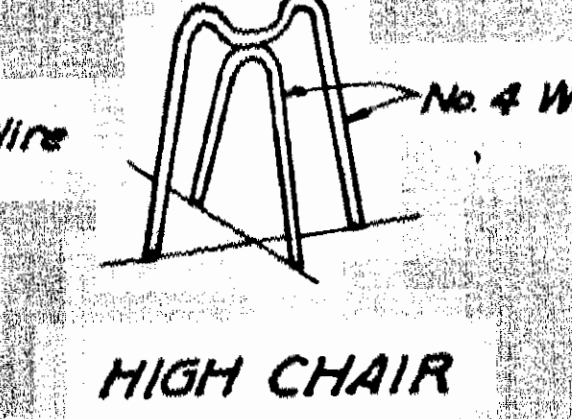
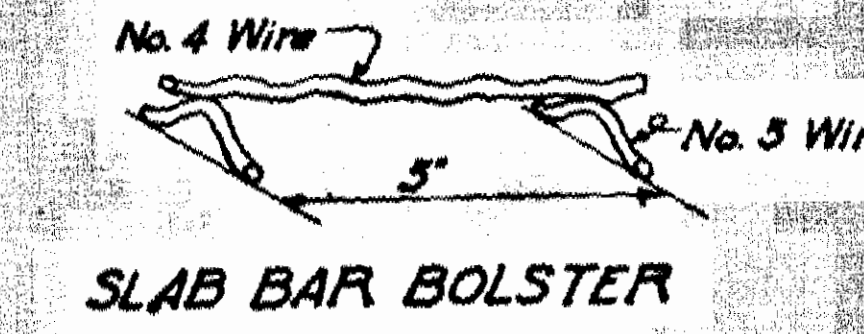
Load Distribution Sidewalk Stringer
Dead Load Per Ft. = 1300#/ft.
Roadway Live Load Per Ft. = 0.570 Truck Wheel
Sidewalk Live Load Per Ft. = 274#
Load Distribution Intermediate Stringers
Dead Load Per Ft. = 900#
Roadway Live Load Per Ft. = 140 Truck Wheels
Load Distribution Curb Stringer
Dead Load Per Ft. = 1050#
Roadway Live Load = 0.857 Truck Wheel

STRESSES

Structural Steel = 18,000 #/sq.
Reinforcing Steel = 18,000 #/sq.
Class "S" Concrete = 1,000 #/sq.

GENERAL NOTES:

- All Concrete to be Class "S". All exposed corners to have 1" chamfer unless otherwise noted.
- Rivets 1/2" Open holes 1/2". Where bolts are indicated use machine bolts.
- Structural shapes of equal or greater strength may be substituted for shapes shown but payment will be made on basis of shapes shown or those actually used whichever is the lesser.
- All welded connections to be 1/2" fillet welds except as shown.
- Shop Paint: All Structural Steel except surfaces in contact with concrete shall be given one coat of red lead and raw linseed oil before shipment.
- Field Paint: First coat, white lead tinted with Lamp Black. Second coat Aluminum.
- All bearing and roadway expansion devices to be paid for as "Structural Steel in Beam Spans".
- Care shall be exercised to obtain 90° in the angle between flange and web of beams at bearing points.
- The Steel Plate Guard Rail shall be of the type shown or an equivalent rigid type as approved by the engineer. The Steel Plate Guard Rail, including the concrete posts, shall be paid for at the unit price bid per linear foot for "Steel Plate Guard Rail".
- This drawing shows general features of design only. Shop drawings shall be made in accordance with the specifications, submitted and approved secured before fabrication is begun.
- In order to secure a good riding surface it will be required that the floor slab be struck off from curb to curb with a half span length longitudinal strike-off. The strike-off shall be sufficiently stiff so as to have no appreciable vertical deflection.
- Bearings shall be finally sealed on three (3) layers of burlap saturated with red lead. This work and material to be included in the unit price bid for "Structural Steel in Beam Spans".
- All reinforcing shall be accurately located in the forms and firmly held in place by means of steel wire chair supports adequate to prevent displacement during the course of construction and to keep the steel a proper distance from the forms.
- Bar supports are to be sufficient in number and sufficiently heavy to properly carry the steel they support. Wire sizes shall not be less than shown.
- Wire supports will not be paid for directly but will be considered subsidiary to the item of "Reinforcing Steel". Shop lists and diagrams must be submitted for approval.
- Specifications: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction Adopted March 18, 1940.



DETAILS OF

30'-0" I-BEAM SPAN-28' CLEAR ROADWAY

30° SKEW RT. FWD.

BRIDGE OVER DITCH NO. 1

WEST MEMPHIS BYPASS

MEMPHIS TO MARION CONNECTION

CRITTENDEN COUNTY

ROUTE 61 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

Drawn By: L.A.M.E. Date: 1-19-50

Traced By: P.M. Date: 1-26-50

Checked By: Date:

BRIDGE NO. 2673

DRAWING NO. 7555

This Drawg. shows Rt. Fwd
skew. Construct B 2673
on opposite hand skew
(Lt. Fwd.)

Plan Change #1

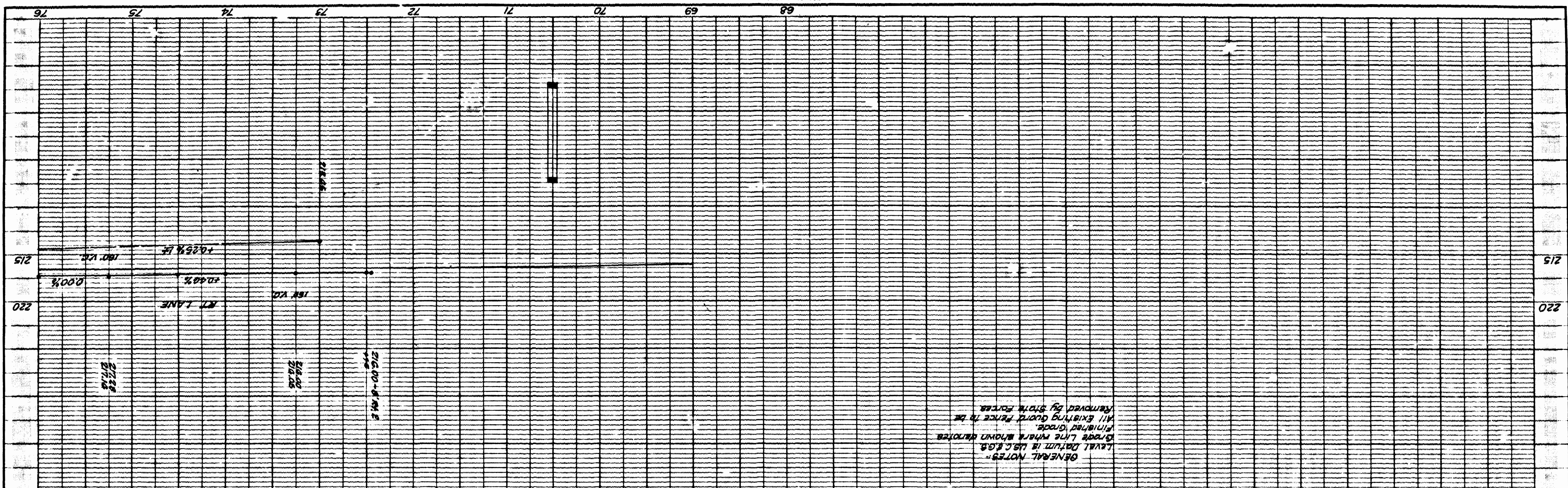
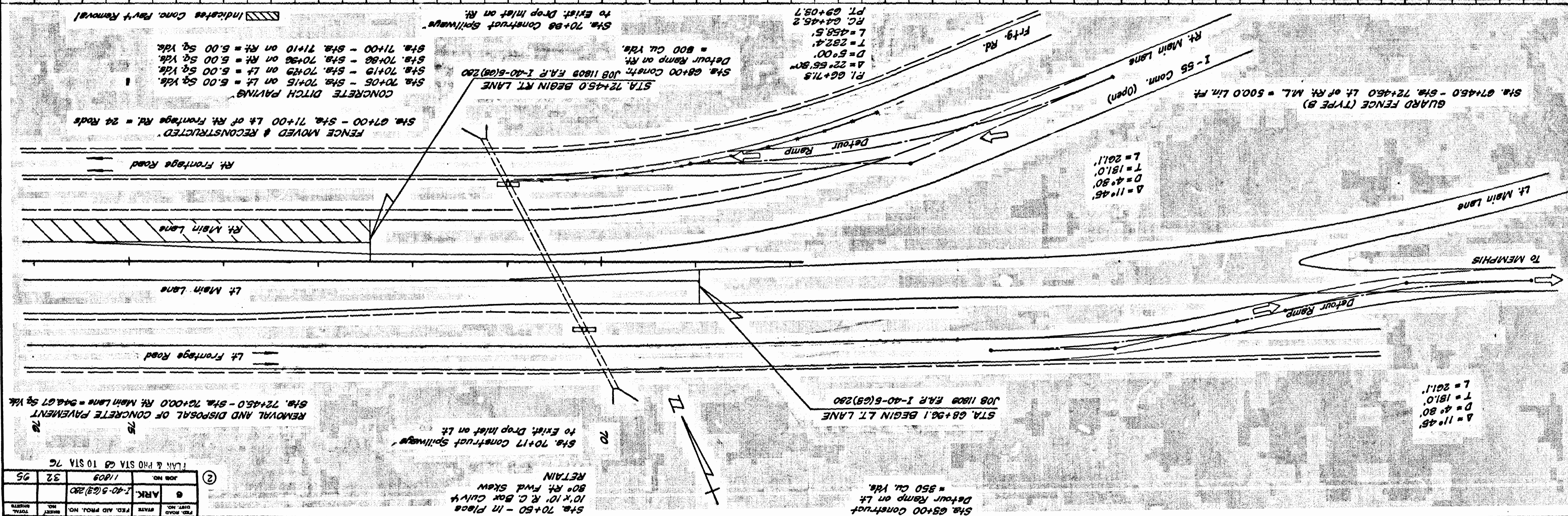
W.B. Brown

File as d-w-9 17144 I

NO.	DATE	BY	REVISION
1	1/18/59	ARK	1-40-5(2) 250
2	3/2		32
3	76		76

PLAN & PRO STA 60 TO STA 76

REMOVAL AND DISPOSAL OF CONCRETE PAVEMENT
Sta. 72+45.0 - Sta. 70+00.0 Rt. Main Lane - Sta. 67 Sq. Yds.



PLAN
NOTES
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS APPLICABLE.

PROFILE
NOTES
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS APPLICABLE.

Sta. 76+00 - In Place
18" R.C. Pipe Culv't
RETAIN & Cover Over

CONCRETE DITCH PAVING
Sta. 86+10 - Sta. 86+20 on Lt.=5.00 Sq. Yds.
Sta. 86+30 - Sta. 86+40 on Lt.=5.00 Sq. Yds.

CONCRETE PIER PROTECTION
Sta. 85+28.2 - Sta. 85+38.4 - Lt. of Lt. Main Lane = 30.2 Lin. Ft.

Sta. 86+11 - In Place
30"x78" R.C. Pipe Culv't
RETAIN & Extend 6' Rt.
Const. Type "R" Drop Inlet
H = 8'-8"
80" R.C. Pipe = 10 Lin. Ft.

Sta. 86+28 - In Place
30"x78" R.C. Pipe Culv't
with Drop Inlet in Median & on Lt.
Fill Openings of Median
Drop Inlet & Cover Over
Class "A" Conc. = 0.10 Cu. Yds.
RETAIN & Extend 8' Rt.
Const. Type "R" Drop Inlet
H = 8'-6"
80" R.C. Pipe = 12 Lin. Ft.

Sta. 86+28 Construct
Spillways to Existing
Drop Inlet on Lt.

Sta. 86+11 - In Place (Rt. Frtg. Rd)
30"x50" R.C. Pipe Culvert
RETAIN & Extend 2' Lt.
Connect to Drop Inlet
80" R.C. Pipe = 6 Lin. Ft.

Sta. 86+28 - In Place (Rt. Frtg. Rd)
30"x50" R.C. Pipe Culvert
REMOVE Headwall &
Connect to Drop Inlet
80" R.C. Pipe = 4 Lin. Ft.

GUARD FENCE (TYPE A)
Sta. 85+58.4 - Sta. 87+58.4 - Lt. of Lt. Main Lane = 200.0 Lin. Ft.
Sta. 85+28.2 - Sta. 85+78.2 - Rt. of Rt. Main Lane = 250.0 Lin. Ft.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK.	I-40-5(23)200	33	95
JOB NO. 11809				
PLAN & PRO STA 76 TO STA 92				

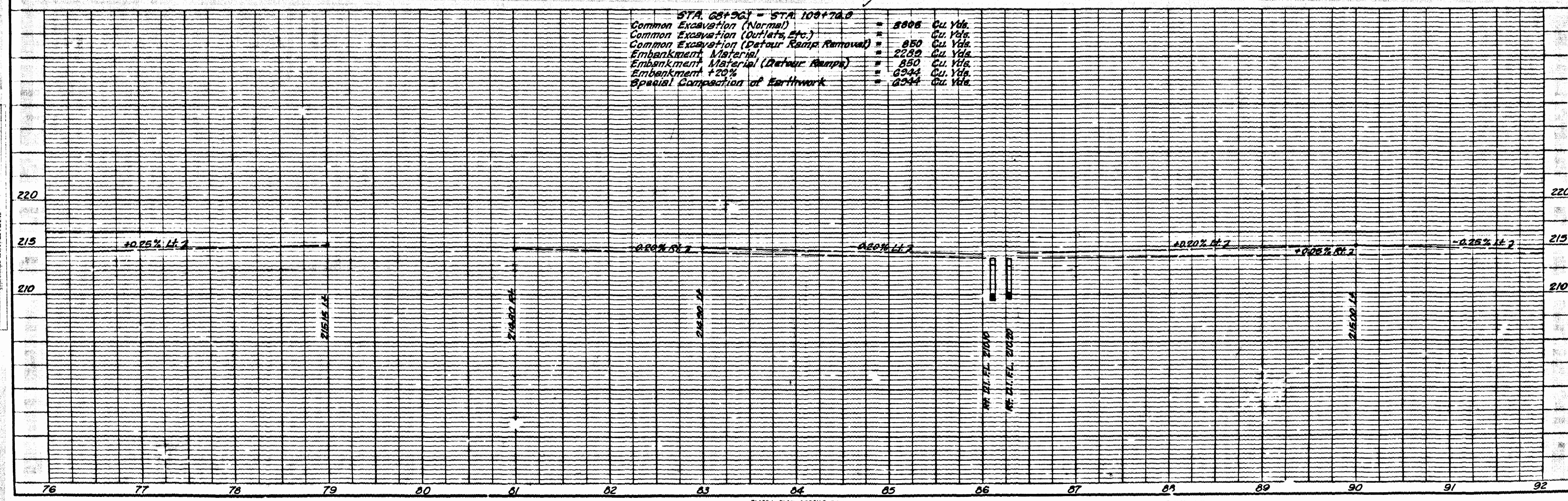
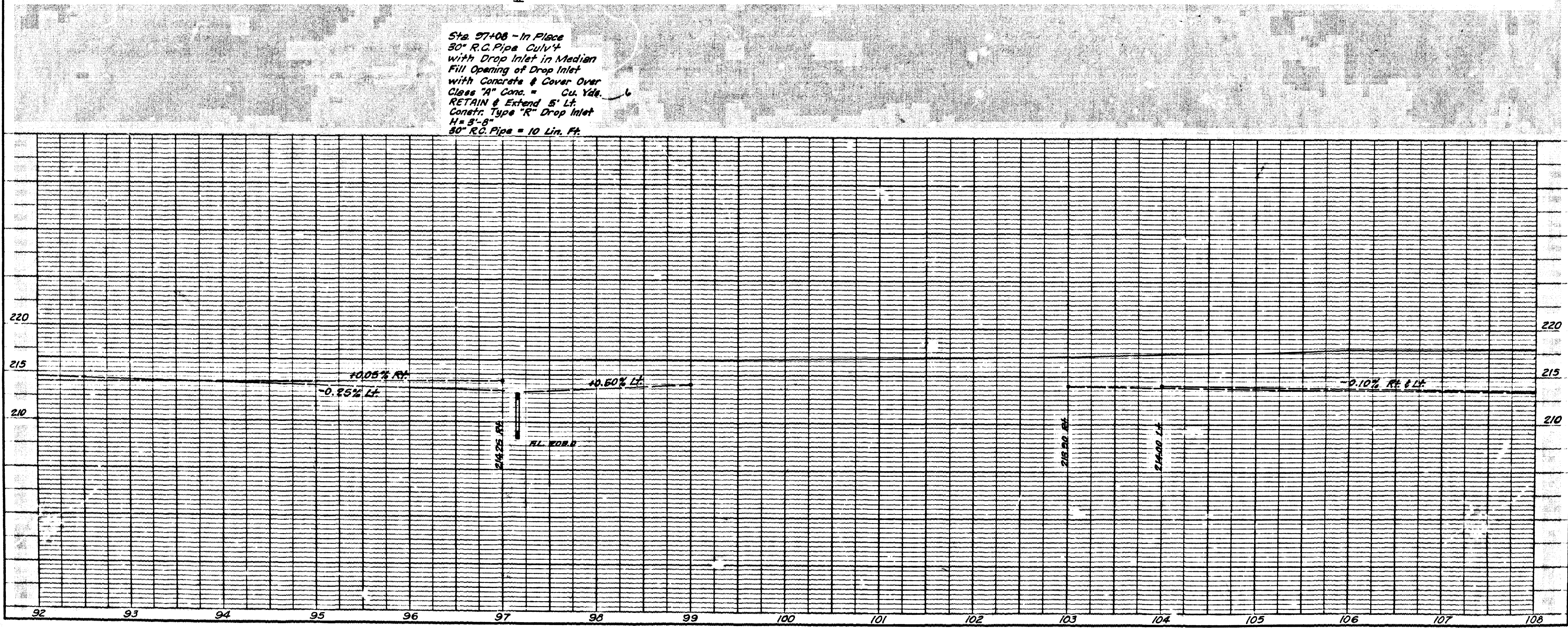
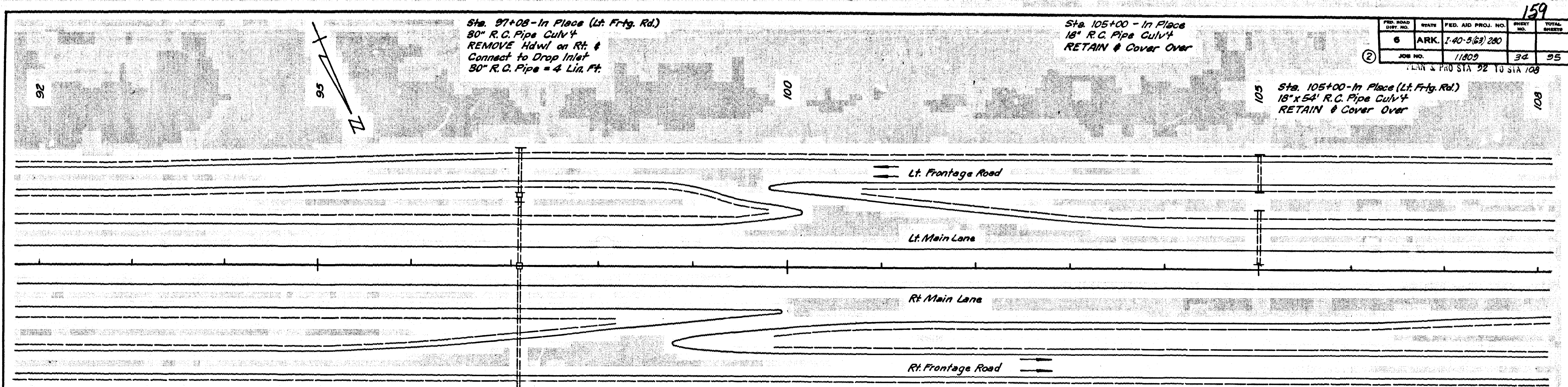


PLATE 1: PLAN PROFILE - F&E
CLEARPRINT PAPER CO., S.F. CAL.
NO. 1000-1

PLAN
 SHEET NO. 159
 PROJECT NO. 11809
 DATE: 11/10/59
 BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

PROFILE
 SHEET NO. 159
 PROJECT NO. 11809
 DATE: 11/10/59
 BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

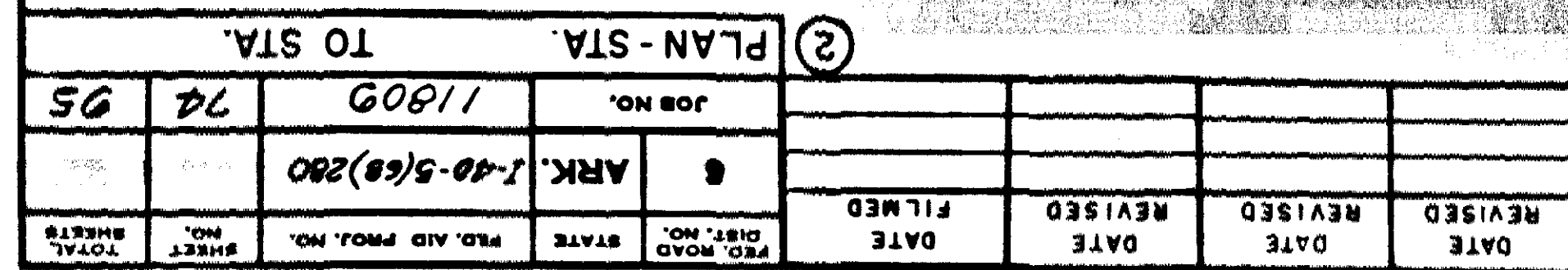


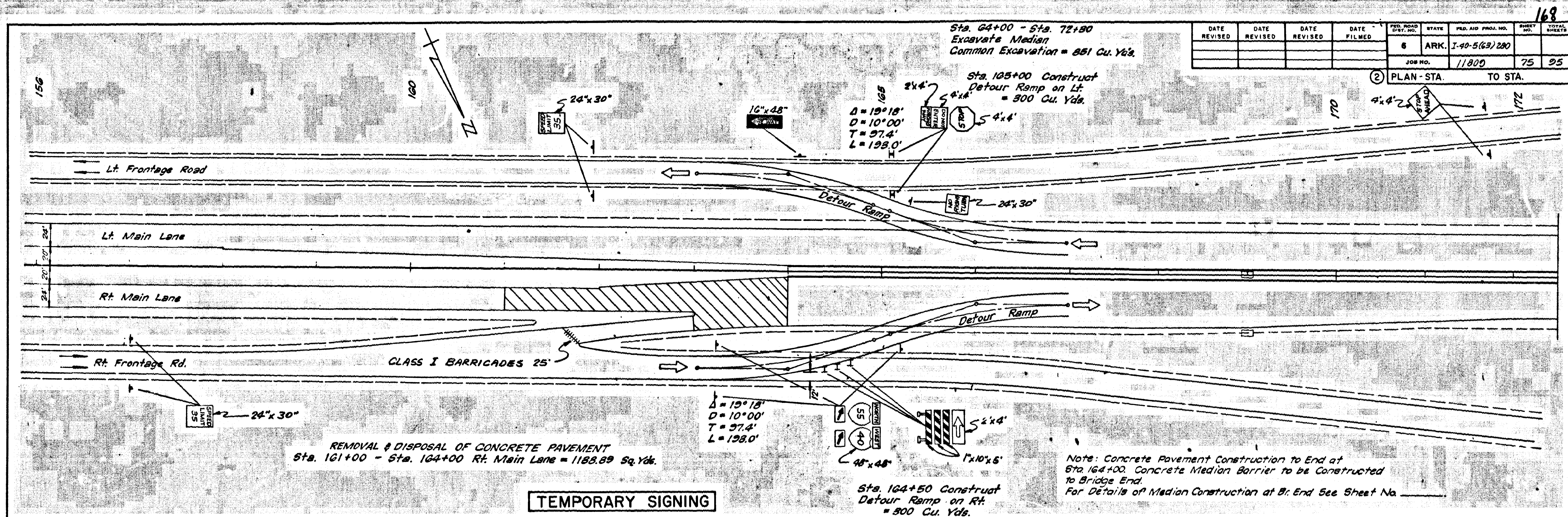
159

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK.	1-40-5(63) 280	32	95
JOB NO. 11809				

PLAN & PRO STA 92 TO STA 108

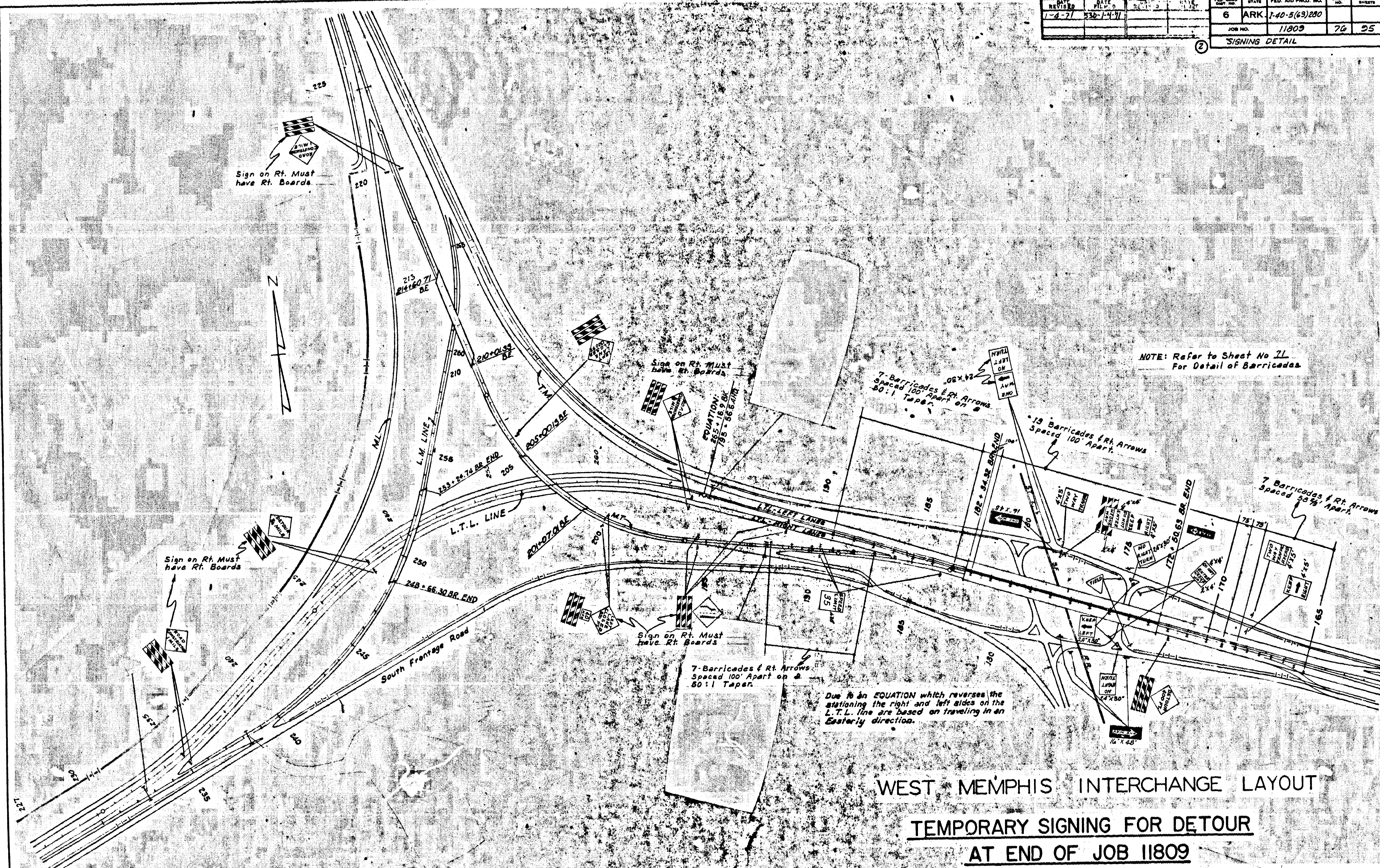
PLATE 1 PLAN PROFILE P.A.B.
 CLEARANCE 10' 0" & 1' 0"



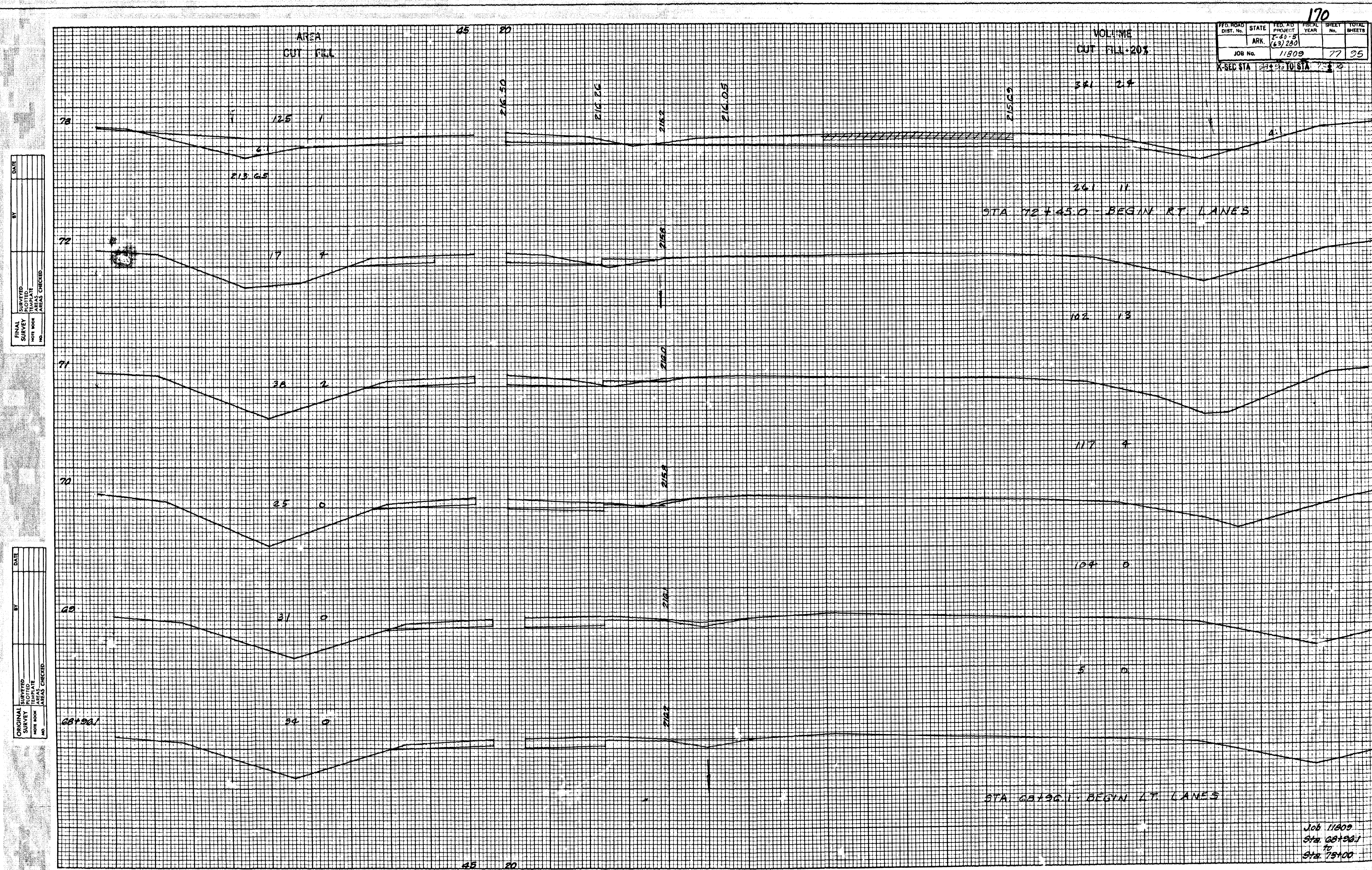


DATE REVISED	DATE REVISED	DATE REVISED	DATE FILMED	PROJ. ROAD DIST. NO.	STATE	PROJ. AND PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-40-5(63)/280	75	95
				JOB NO. 11800		PLAN - STA. TO STA.		

REVISED	DATE	BY	STATE	FED. AID PROJ. NO.	SHEET	OF
1-4-71	5-2-71		ARK.	7-40-5(43)280	76	95
JOB NO. 11809						
SIGNING DETAIL						



WEST MEMPHIS INTERCHANGE LAYOUT
 TEMPORARY SIGNING FOR DETOUR
 AT END OF JOB 11809



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		

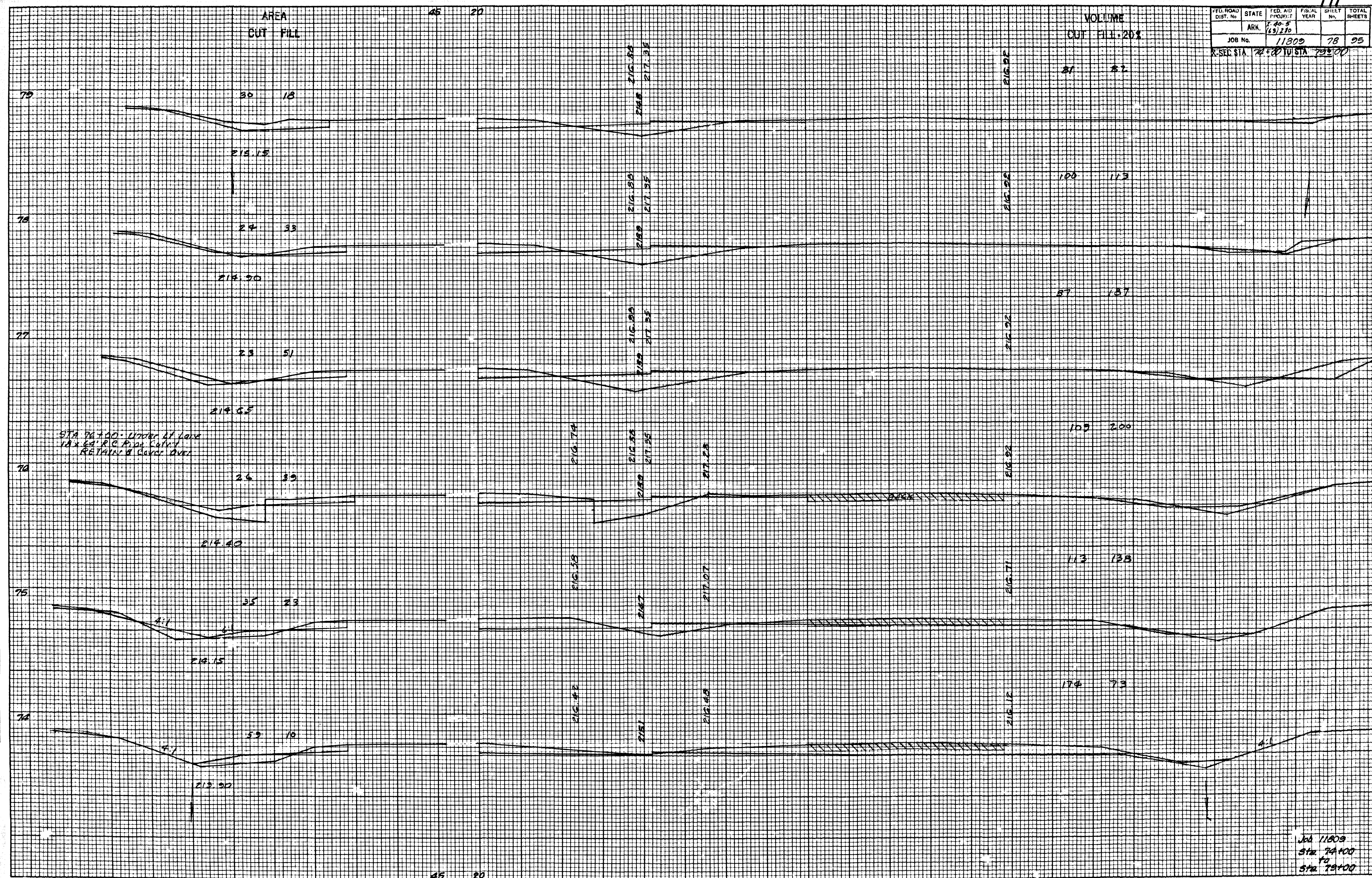
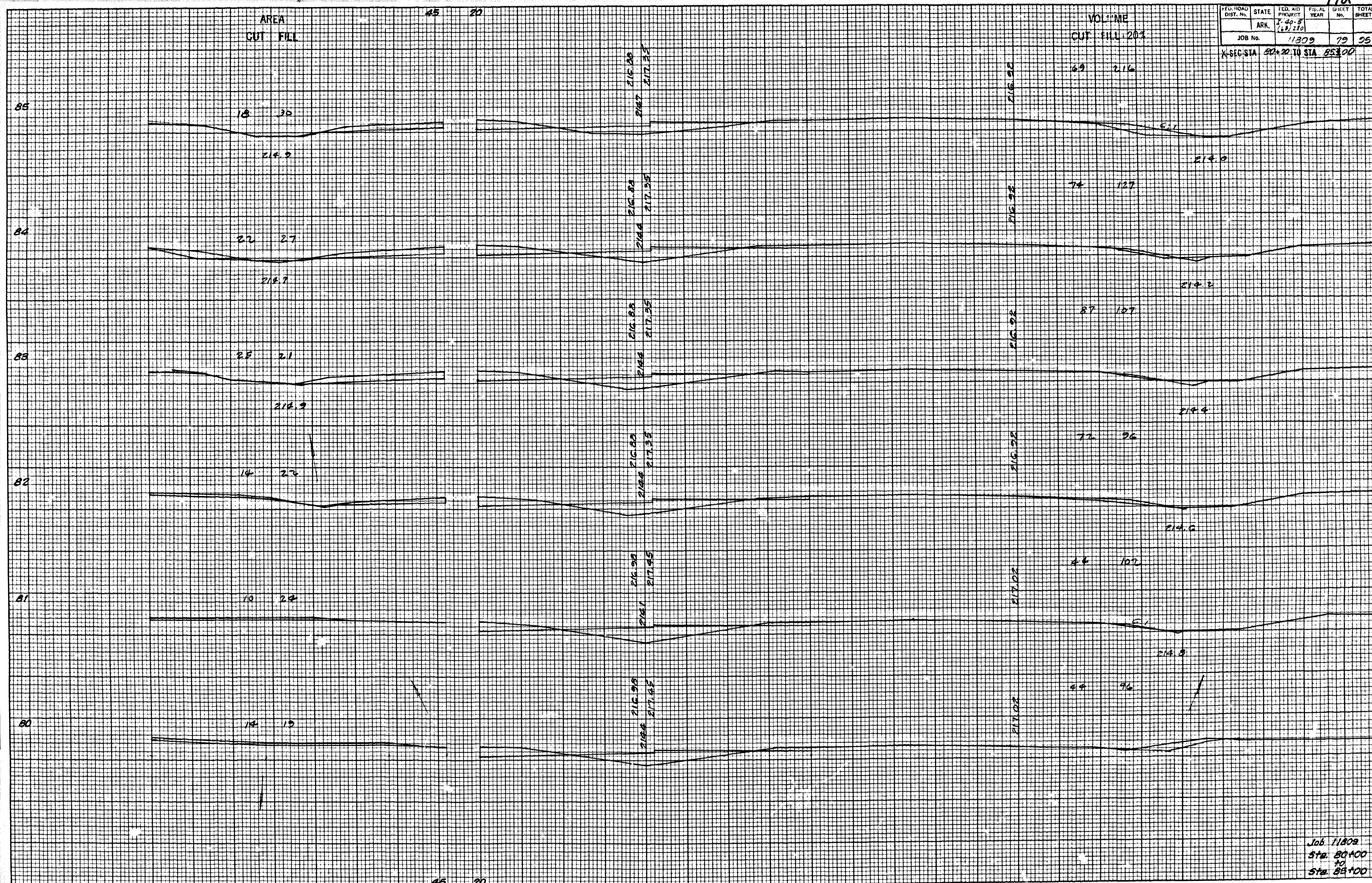


PLATE 3 CROSS SECTION O. P. H. & R. E. STANDA
100% NAG PAPER-MADE AND PRINTED IN U. S. A.
BURNING BRETHERTON CO.

ORIGINAL SURVEY	BY _____	DATE _____
NOTED BOOK		
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHANGES		



Job 11809
Sta. 80+00
to
Sta. 83+00