

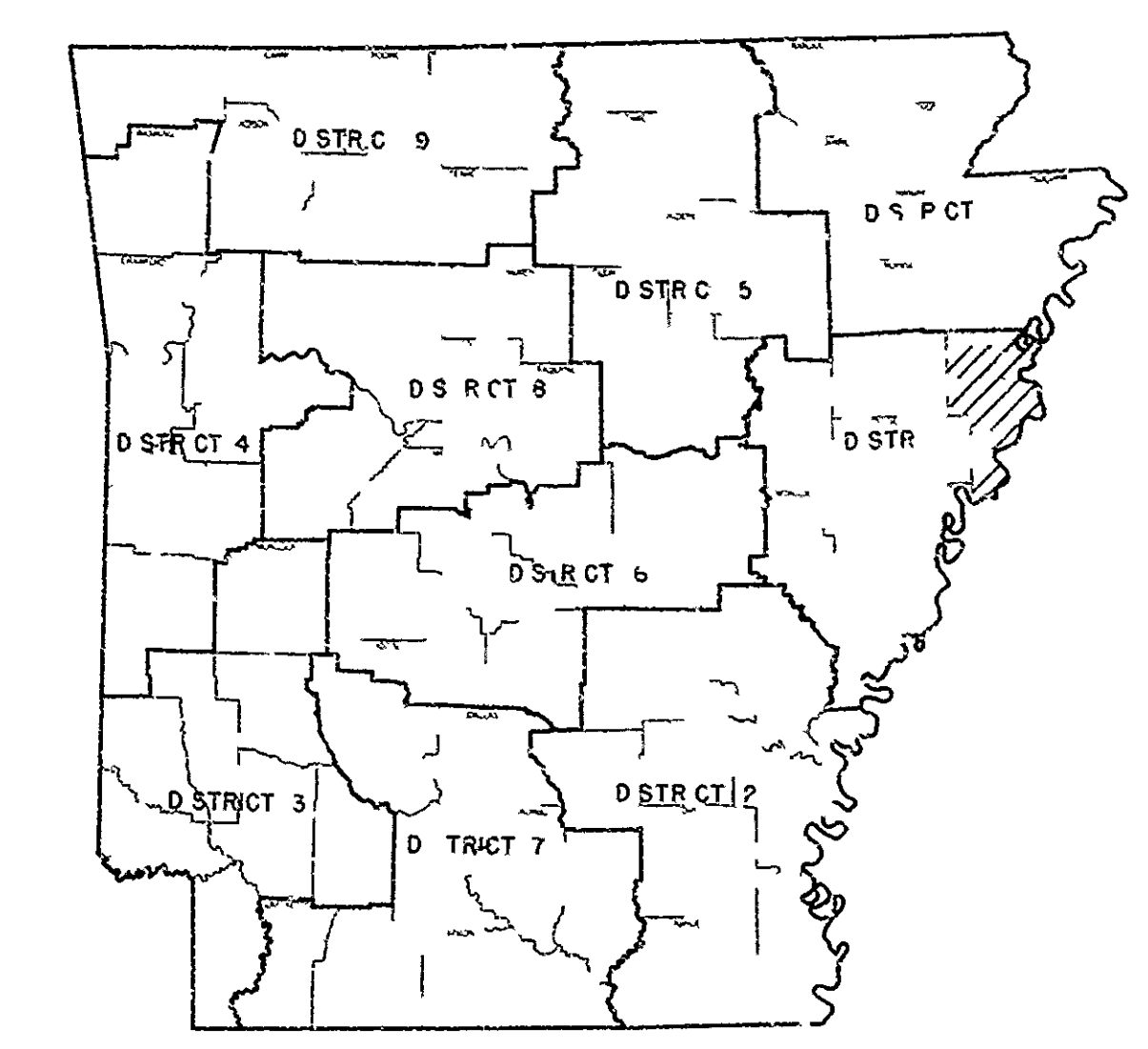
STATE OF ARKANSAS  
STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY  
HWY. 50 - LOUISE  
CRITTENDEN COUNTY  
ROUTE 147 SECTION 1 FED AID PROJ GR-015-3(18)

JOB 11937

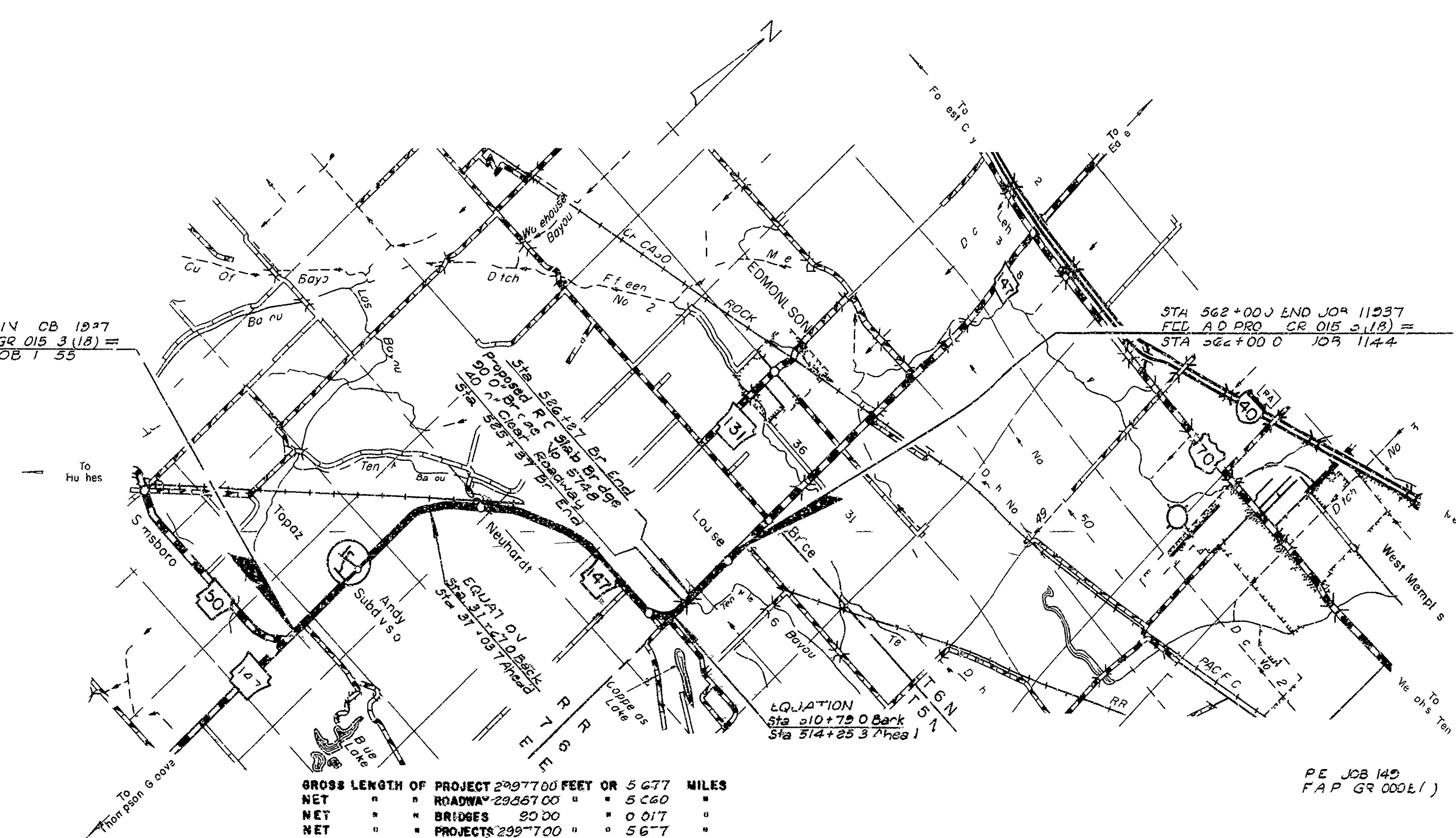
SCALE: 1" = 3500' (APPROX)

DATE REVISED	DATE F. MED.	DATE RE. SED.	DATE F. L. MED.	PER. ROAD S. S. RC.	S. A. E.	FED. AID S. E. NO.	NO. SHEET	O. A. SHEET
				6	ARK	GR-015-3(18)		
						JOB NO. 11937	1	43
							2	HWY 50-LOUISE



NOTICE  
HALF-SIZE PLANS

STA 279+00.0 BEGIN CB 1927  
FED AID PROJECT GR 015-3(18) =  
+ 255+00.0 = JOB 11937



TRAFFIC DATA

1938 ADT	2360
1939 ADT	4590
1938 D-V	504
T	73%
Des. Speed	50 MPH

STA 562+00.0 END JOB 11937  
FED AID PROJ GR 015-3(18) =  
STA 562+00.0 JOB 11937

RECOMMENDED FOR APPROVAL

RECOMMENDED FOR APPROVAL

RECOMMENDED FOR APPROVAL

APPROVED

U.S. DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL

APPROVED

DIVISION ENGINEER

GROSS LENGTH OF PROJECT 2997700 FEET OR 5.677 MILES

NET	"	ROADWAY 2997700 "	"	5.677
NET	"	BRIDGES 2000 "	"	0.017
NET	"	PROJECTS 2997700 "	"	5.677

PE JOB 145  
FAP GR 0006(1)

DATE REVISED	DATE PLACED	DATE REVISED	DATE PLACED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	6-0-3/18		
				JOB NO.	907		8	23
① 7-8 QUANT. INFO. 22035								

SCHEDULE OF BRIDGE QUANTITIES

BRIDGE NO.	CODE NO.	NAME RIGHT	TITLE	UNIT	ITEM NO	801	802	803	804	SP805	SP805	82	205	603
					TFM	UNCLASSIFIED EXCAVATION FOR STRUCTURE BPDGL	CLASS S CONCRETE	CLASS 9(AF) CONCRETE	BOILER LASEED OL	REINFORCING STEEL (CRATE 60)	PRECAST CONCRETE PILING (6'0" OR 6 SQUARED)	PRECAST CONCRETE PILING (8'0" OR 18 SQUARED)	BRIDGE NAME PLATES (TYPE C)	REMOVAL OF EXISTING BRIDGE STRUCTURE
5748	1020	TEN MILE BAYOU	UNIT OF STRUCTURE		CU YD	CU YD	CJ YD	CAL	LB	LIN FT	LIN FT	EACH	LUMP SUM	LUMP SUM
				FID BENT NO 1	50	109			1353	12				
				END BENT NO 4		179			1353	180				
				TNT BENT NO 2		956			21		5			
				TNT BENT NO 3		956			20		270			
				SPAN 1 3			14838	2	23756			12		
				SPAN 2			1362	3	807					
				TOTAL FOR JOB 1020	250	4130	22200	93	40640	352	485	10	10	10

\* Refers to SP802 5

SCHEDULE OF BRIDGE QUANTITIES  
TEN MILE BAYOU  
HWY 50 LOUISE  
CRITTENDEN CO

ROUTE 147 SEC. 1  
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY 800 DATE 8/14/18  
CHECKED BY DC DATE 8/23/18 SCALE   
DESIGNED BY  DATE

BRIDGE NO 5748 DRAWING NO 22035

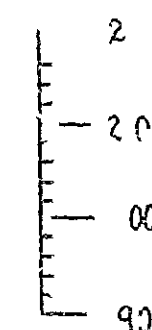
DATE REC'D	DATE FILED	DATE REMOVED	DATE FILED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	G-NS 3(18)		
				JOB NO		1193E	1	43

① R149 AYO T 22036

LEV 210 05

~~THIS IS A UNCLASSIFIED COPY OF A DOCUMENT CONTAINING INFORMATION THAT IS UNCLASSIFIED~~

R.C. OVER THE EXISTING 22 FT. BRIDGE. THE EXISTING BRIDGE CONSISTS OF A CONCRETE  
 DECK WITH ASPHALT OVERLAY ON STEEL STRINGERS SUPPORTED BY IRON CAPS AND  
 PILING. SEE SECTION 0515 OF THE STANDARD SPECIFICATIONS. ALL BEAMS SHALL BE  
 SALVAGED AND REMAIN THE PROPERTY OF THE STATE. ALL OTHER MATERIALS FROM  
 THE EXISTING BRIDGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR OR CONSTRUCT  
 A 90 FT. TEMPORARY BRIDGE APPROX. 41 FT. ~~DOWNSTREAM~~ FROM EXISTING BRIDGE WITH  
 A MINIMUM DECK ELEVATION OF 206.0. THE TEMPORARY BRIDGE SHALL HAVE A  
 MINIMUM ROADWAY OF 20 FT. AND A MINIMUM LIVE LOAD DESIGN CAPACITY OF K15  
 LOADING. SEE SECTION 603 OF THE STANDARD SPECIFICATIONS.



DESIGN FLOOD  
 Iso NA  
 Normal WS Elev NA  
 WS w n Rockwater LA

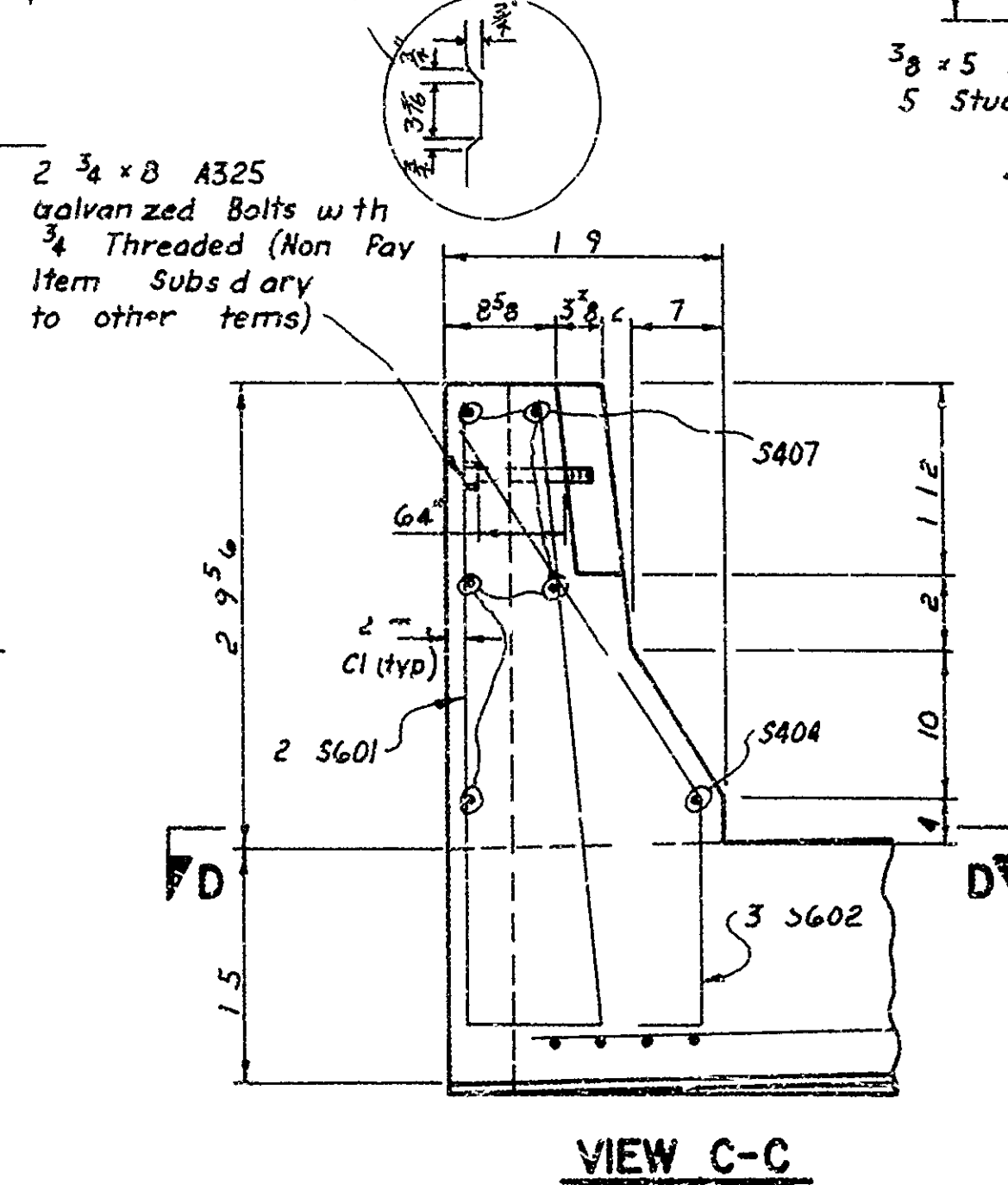
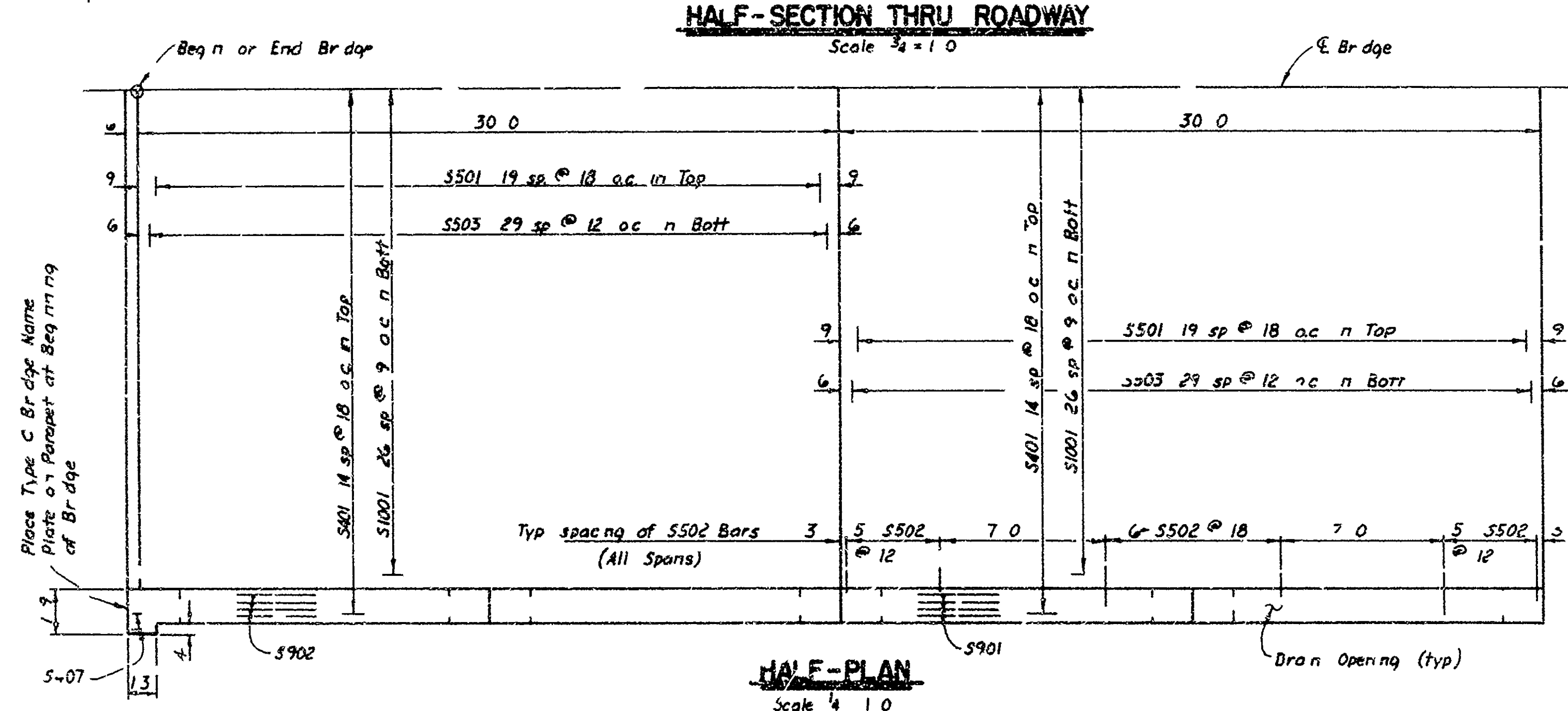
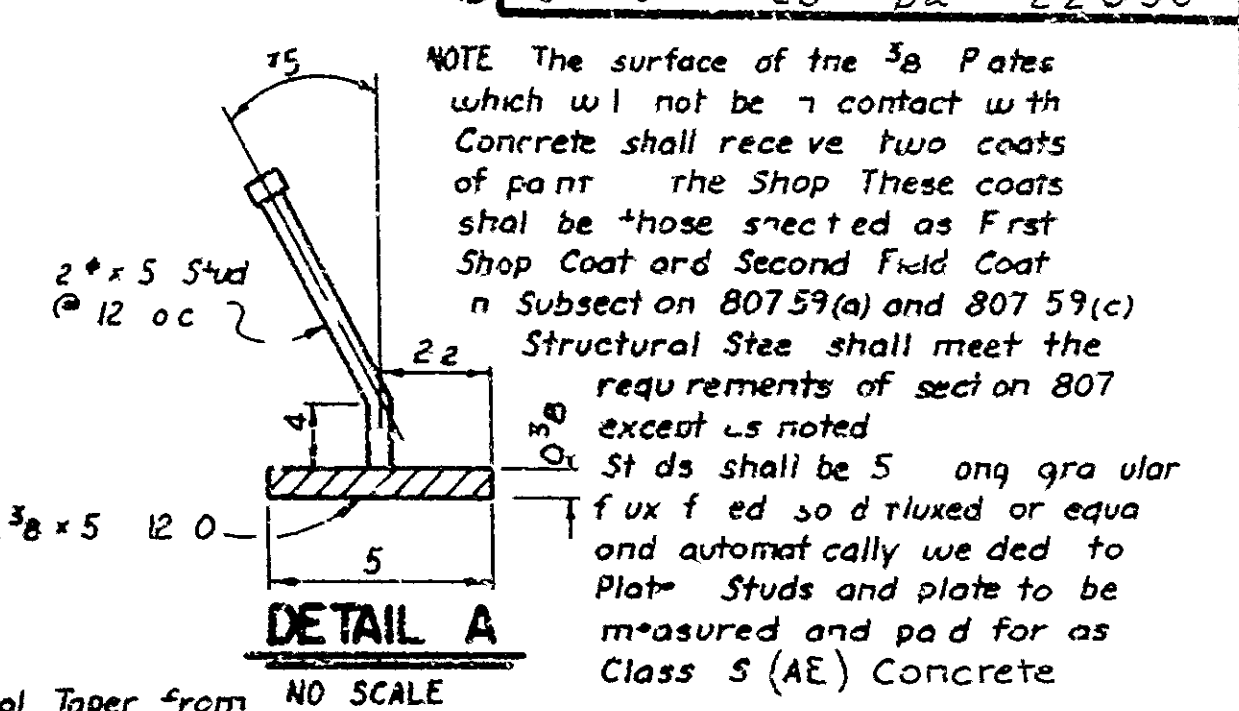
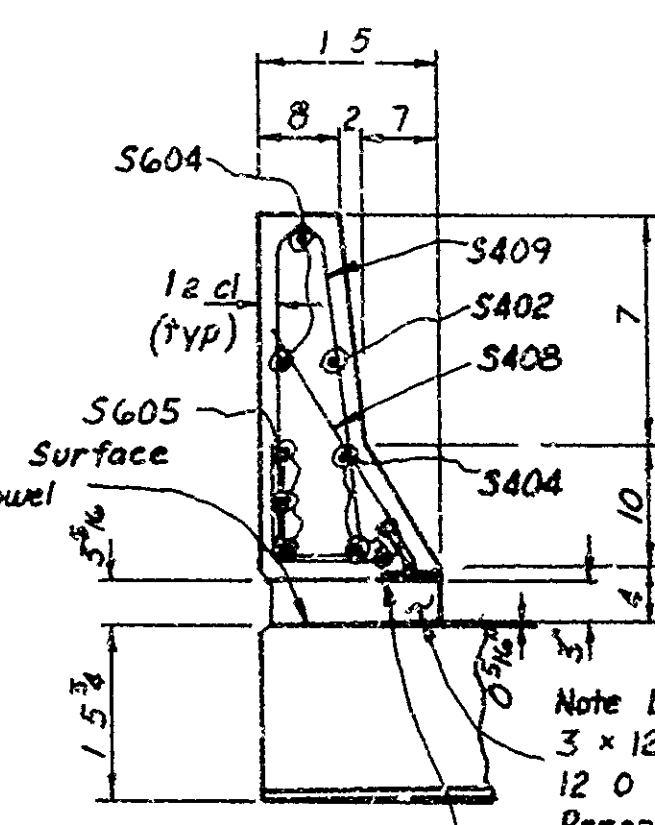
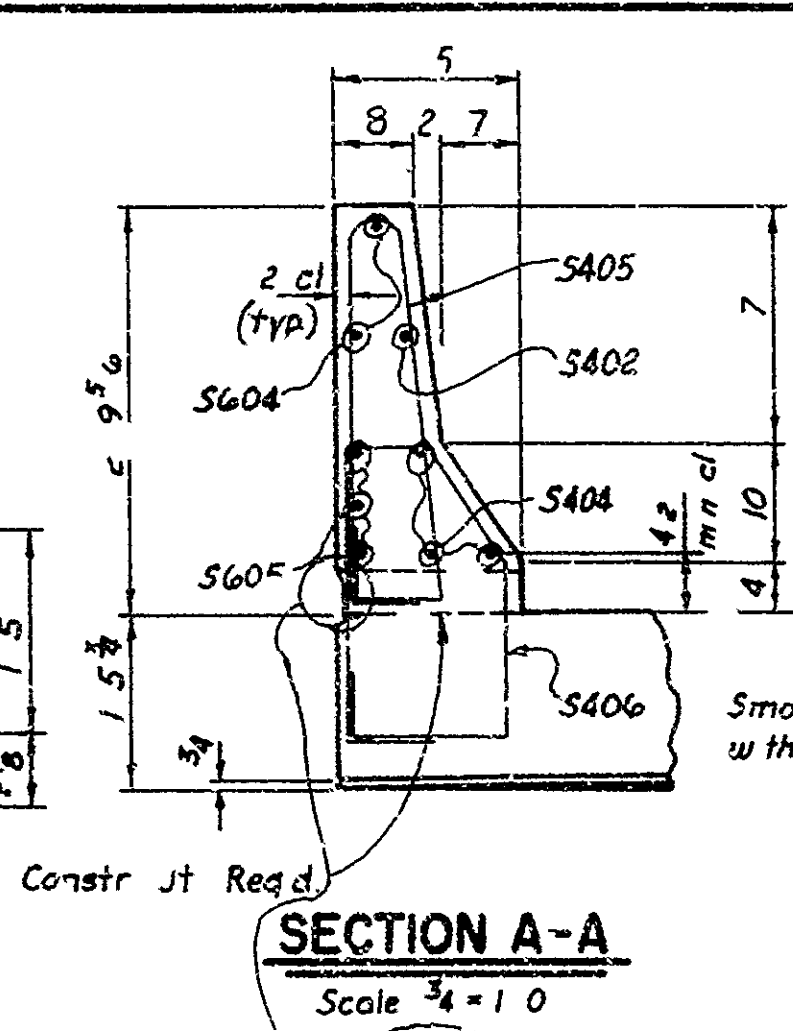
BASIC FLOOD

Q10 = NA  
Norma WS Elev NA  
WS v th Backwa<sup>te</sup> NA

DRAWN BY DW DATE 7 8 78  
CHECKED BY MEC DATE 8 23 78 SCALE = 20  
DESIGNED BY \_\_\_\_\_ DATE \_\_\_\_\_  
BRIDGE NO 5748 DRAWING NO 22036







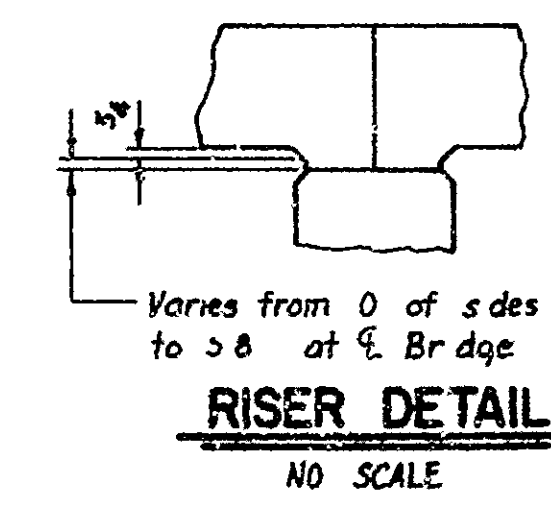
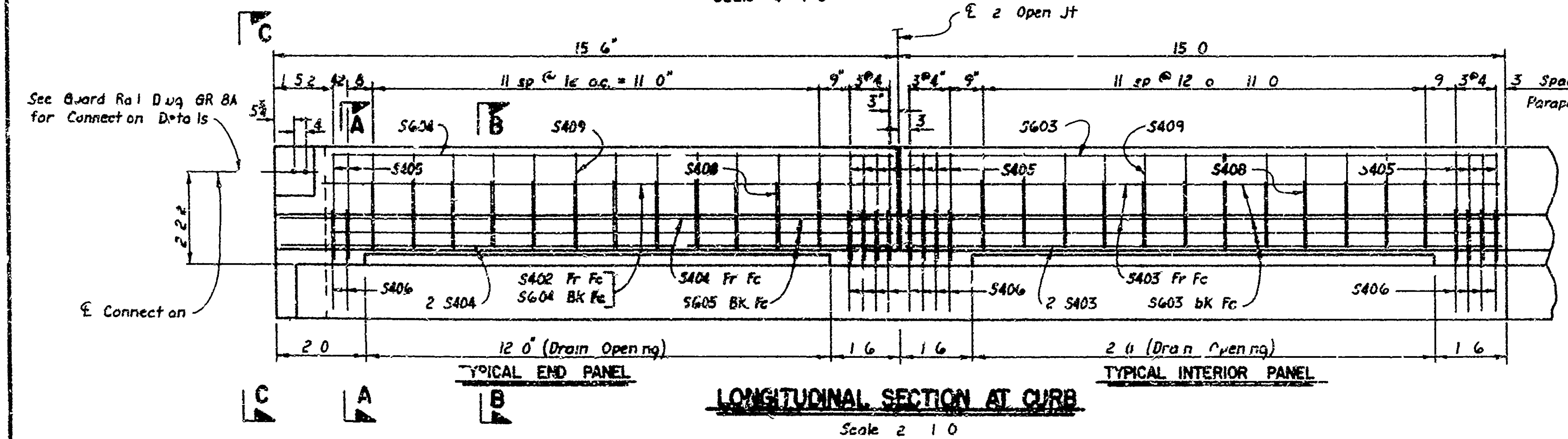
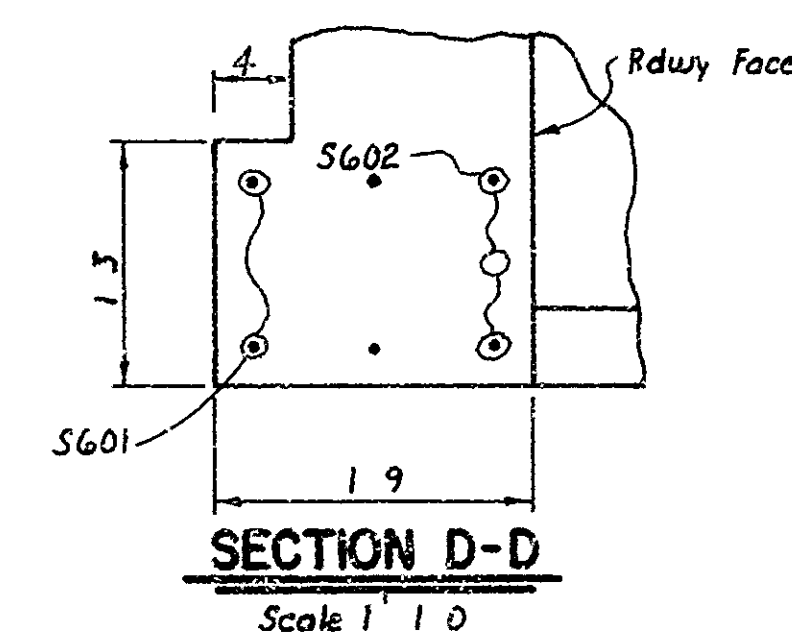
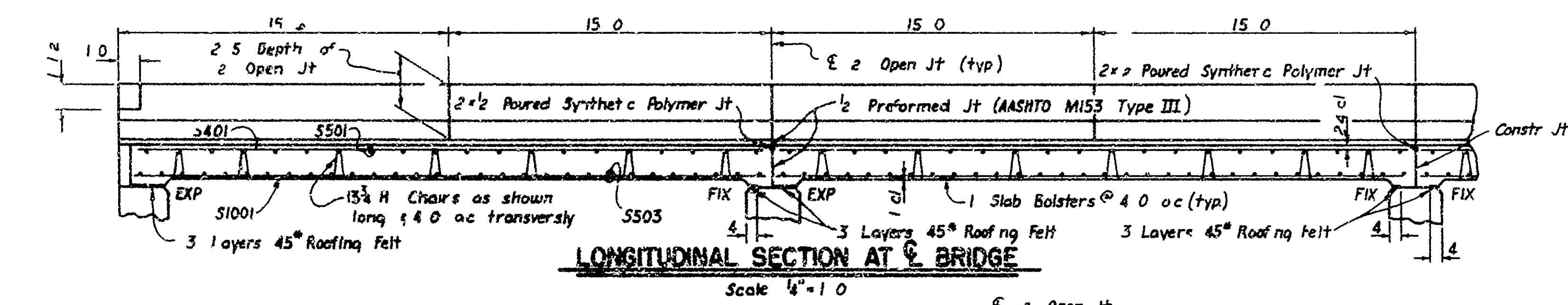
Scale  $\frac{3}{4}$  0

# BAR LIST (EACH SPAN)

MARK	NO REO D		LENGTH	P N DIA
	END	INT		
S401	29	29	29 8	Str
S402	2	-	14 2	Str
S403	8	16	4 8	Str
S404	6	-	15 2	Str
S405	28	32	0 2	
S406	28	32	7 4	2
S407	10	-	1	Str
S408	48	48	3 2	2
S409	48	48	6 4	2
S501	20	20	43 6	3 3/4
S502	32	32	6 7	3 3/8
S601	4	-	8 1	3 3/4
S602	6	-	4 7	3 3/8
S603	10	20	14 8	Str
S604	4	-	14 2	Str
S605	6	-	15 2	Str
S901	-	8	29 8	Str
S902	8	-	30 2	Str
S1001	53	53	29 8	Str
S503	30	30	42 4	Str

BENDING DIAGRAMS

Dimens one are out to out of Bars



GENERAL NOTES

ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED

BAR SUPPORTS FOR REINFORCING BARS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED UDS DIARY TO THE ITEM REINFORCING STEEL

ROOFING FELT BITUMINOUS FELT PREFORMED JOINT AND SYNTHETIC POLYMER SHALL BE MEASURED AND PAID FOR AS CLASS 5 AE CONCRETE

SPECIFICATIONS ARE AS STATE HIGHWAY COMMISSIONS STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 1978 EDITION AND APPLICABLE SPECIAL PROVISIONS

DESIGN SPECIFICATIONS AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 1977 EDITION WITH 1978 INTERIM SPECIFICATIONS

LIVE LOAD HS20

METHOD OF DESIGN LOAD FACTOR

LOAD DISTRIBUTION TO SLAB DEAD LOAD 252 PSF  
LIVE LOAD 0.174 WHEELS/FT OF WIDTH PLUS 30 IMPACT

CONCRETE ALL CONCRETE SHALL BE CLASS 5(AE) WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH  $f_c$  5000 PSI

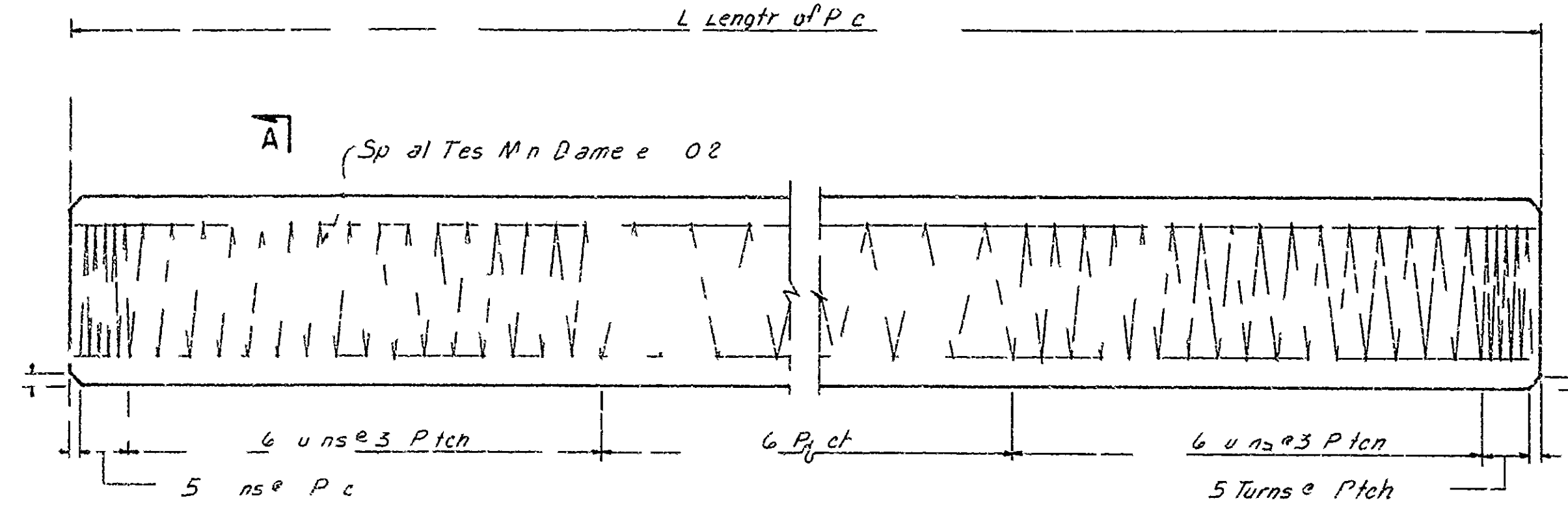
REINFORCING STEEL REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR A617 GRADE 60 (YIELD STRENGTH 60,000 PSI)

QUANTITY	END SPAN	INT SPAN
Concrete	74' 9 cu yds	73' 67 cu yds
Reinforcing Steel	11878 LBS	11804 LBS
Structural Steel	322 LBS	322 LBS

DETAILS OF STANDARD  
30'-0" R.C SLAB SPANS  
CONC PARAPET RAIL-40'-0" CL ROWY  
ROUTE 147 SEC. 1  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.  
DRAWN BY: TEB DATE: 5/19/77  
CHECKED BY: J.K. DATE: 6/21/77 SCALE: As Noted  
DESIGNED BY: CES DATE: 5/22  
BRIDGE NO 5748 DRAWING NO 22038

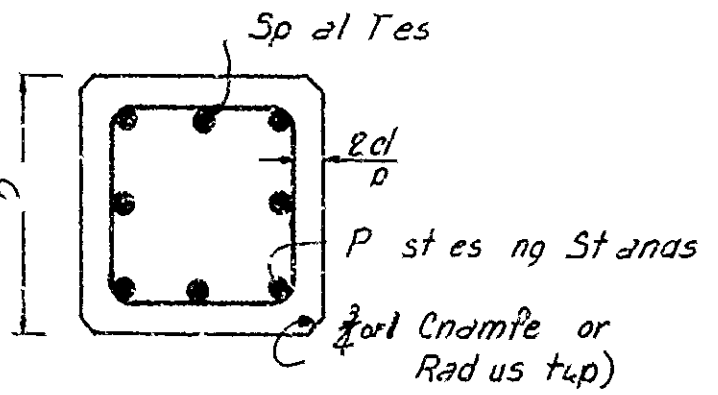


DATE REVISED	DATE	DATE REVISED	DATE	ROAD NO.	ST.	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
7 24 75	6 8 75	9 5 78	8 2 78	6	ARK		14	
12 2 75	5 01 77							

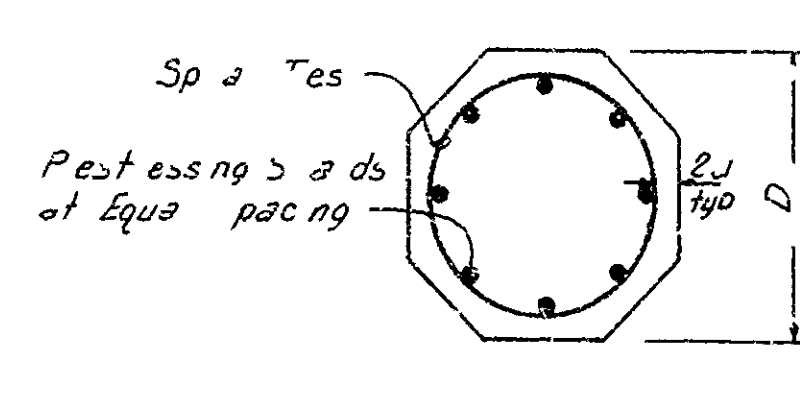


PLAN OF PILE SHOWING SPIRAL REINFORCING SPACING

NOTE: If and location shall be assumed as about the center of the pile with no more than one strand difference between any two adjacent sides.



SECTION A-A  
SQUARE PILE



SECTION A-A  
OCTAGONAL PILE

PRESTRESSED CONCRETE PILES

PRESTRESSED PILE PROPERTIES

PILE DIA. (IN)	STRAND DIA. (IN)	*ALMBEP OF STRANDS PER PILE (SE)					*NOMINAL TENSILE STRENGTH PER STRAND (KIP)	*TENSILE STRENGTH FORCE PER STRAND (KIP)
		6 OCT	8 OCT	4 SQ	6 SQ	18 SQ		
24	3/8	1	3	4	6	22	20,000	4,000
24	1/2	3	4	6	8	24	27,000	8,000
24	3/4	4	6	8	10	26	36,000	25,200
24	1	5	8	10	12	28	23,000	6,100
24	1 1/4	9	12	16	20	32	31,000	21,700
24	1 1/2	9	12	16	20	32	41,300	28,900

\*Numbers Based on nominal Prestress force of 17 x ultimate Tensile Stress Prestress Losses and Min 700 psi Unit Prestress on concrete after losses

GENERAL NOTE

CONSTRUCTION SPECIFICATIONS ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 1978 AND APPLICABLE SPECIAL PROVISIONS

DESIGN SPECIFICATIONS AA HTO 1977 H 978 INTERMS

CONCRETE IN THE PRECAST PRESTRESSED PILES SHALL BE CLASS (S&E) AND SHALL HAVE A MINIMUM COMPRESSIVE CYLINDER STRENGTH OF 5000 PSI 28 DAY COMPRESSIVE CYLINDER STRENGTH AT TRANSFER OF THE PRESTRESSING FORCE SHALL BE NOT LESS THAN 4000 PSI

CONCRETE IN BUILD UPS SHALL HAVE A MINIMUM COMPRESSIVE CYLINDER STRENGTH OF 3500 PSI

PRESTRESSING REINFORCEMENT EVEN PRESTRESSING CURVED PILES SHALL CONFORM TO THE GENERAL REQUIREMENTS OF STANDARD SPECIFICATIONS FOR PRECAST CONCRETE PILES. BROKEN WIRE WITHIN TWO STRANDS SHALL BE REPAIRED UP TO 2% OF THE TOTAL NUMBER OF WIRES IN EACH STRAND. PROVIDING THAT THE BROKEN WIRE IS NOT IN THE SAME STRAND AND THE BROKEN WIRE IS NOT IN THE SAME STRAND. BROKEN WIRE PER STRAND WILL BE USED FOR REPLACEMENT OF THE STRAND. EVEN THOUGH THE TWO BROKEN WIRES ARE WITHIN THE 2% LIMITATION.

BUILD UP TO PROVIDE FOR BUILD UPS OF PILES WHERE REQUIRED BY THE ENGINEER. CONCRETE SHALL BE CUT BACK TO EXPOSE THE STRANDS FOR A DISTANCE SUFFICIENT TO PROVIDE A LAP OF 40 DIAMETERS OF THE REINFORCING BARS REQUIRED FOR BUILD UP. REINFORCING FOR BUILD UP SHALL HAVE A MINIMUM AREA EQUAL TO 1/2 OF THE GROSS SECTION OF PILE. LACENEN OF BARS SHALL BE IN A SYMMETRICAL PATTERN OF NOT LESS THAN FOUR BARS. SEE SECTION 805.4 OF THE STANDARD SPECIFICATIONS.

FORMS FOR FORMING EXTERIOR OF PILES. THE USE OF STEEL FORMS ON CONCRETE FOUNDATION BEDS IS REQUIRED. UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE FORMS MAY HAVE A MAXIMUM DRAFT ON EACH SIDE NOT EXCEEDING 1/4 PER FOOT. TOLERANCES. PILE ENDS SHALL BE PLANE SURFACE AND PERPENDICULAR TO AXIS OF PILE WITH A MAXIMUM TOLERANCE OF 1/8 PER FOOT TRANSVERSELY.

THE MAXIMUM SLOPE (DEVIATION FROM THE RIGHT ANGLES) SHALL BE TWO PERPENDICULAR FACES OF THE PILE WHILE NOT SUBJECT TO BEING FOR THE PILE SHALL NOT EXCEED 1/8 IN 10 OF THE LENGTH.

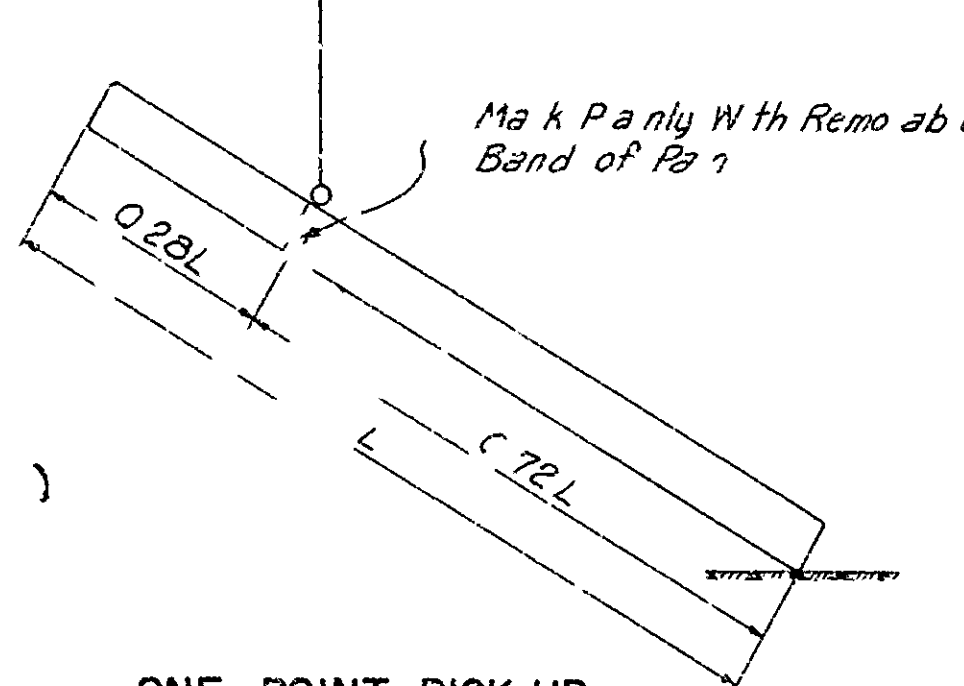
GENERAL SHIPMENT OF PILES FROM THE PLANT TO THE PILE DRIVING WILL NOT BE PERMITTED UNTIL THE REQUIRED MINIMUM CURE TIME HAS ELAPSED AND IN NO CASE LESS THAN 10 DAYS AFTER POURING THE CONCRETE. PILES MAY BE REMOVED FROM CASTING BED OR A NEARBY STORAGE AREA AFTER TRANSFER OF STRESS.

FOR REINFORCING SPIRAL REINFORCING SHALL BE S&E WIRE MEET THE REQUIREMENTS OF ASTM A82 WITH A MINIMUM DIAMETER OF 0.2 INCH OR SHALL BE PLAIN AND STEEL BAR MEETING THE REQUIREMENTS OF ASTM A615 WITH A MINIMUM DIAMETER OF 0.2 INCH.

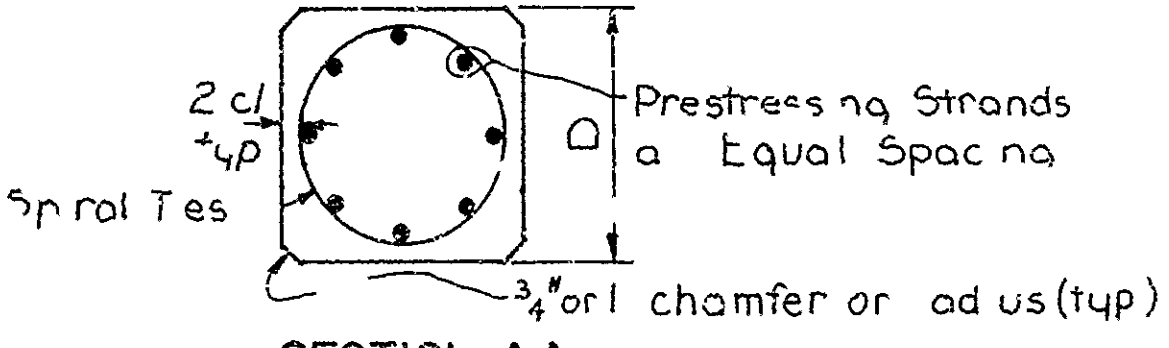
MANUFACTURE, TRANSPORT, AND STORAGE. SECTION 802 CONCRETE FOR STRUCTURES OF THE STANDARD SPECIFICATIONS.

INSTALLATION. MEASUREMENT AND PAYMENT. SEE SECTION 805 BEARING PILING OF THE STANDARD SPECIFICATIONS. PRECAST PRESTRESSED CONCRETE PILING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT BID FOR PRECAST CONCRETE PILING.

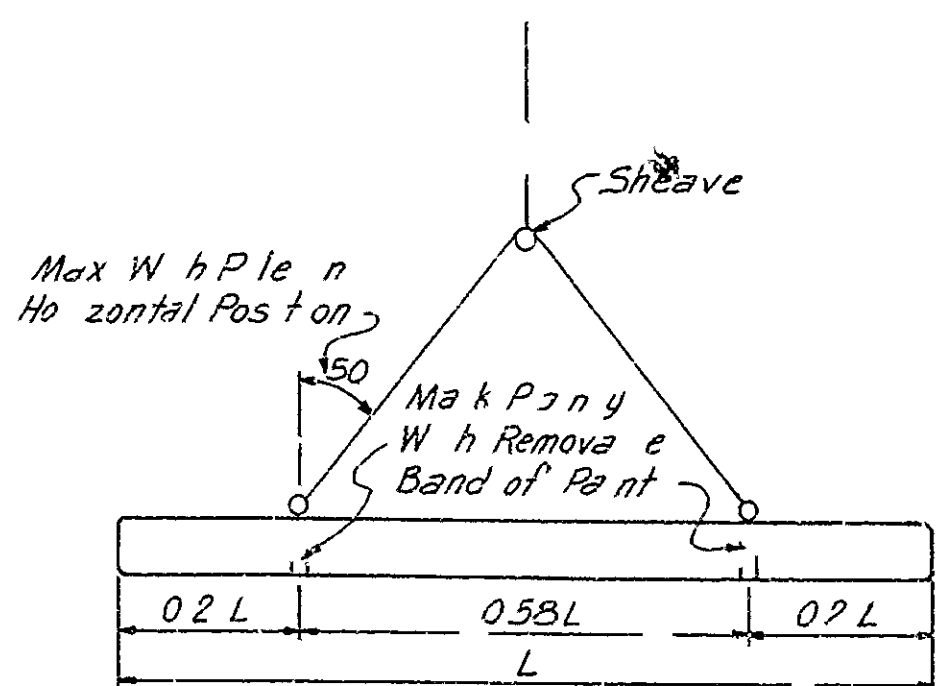
MAXIMUM PICKUP LENGTHS L									
TYPE OF PICK UP	PRESTRESSED		PRECAST		PRESTRESSED		PRECAST		
	6 OCT	18 OCT	16 ~ 8 OCT	14 SQ	16 SQ	18 SQ	14 SQ	6 SQ	8 SQ
ONE POINT	52	5	46	55	59	63	57	5	55
TWO POINT	75	80	67	79	84	90	75	74	79
THREE POINT	105	112	93	110	117	126	104	103	11



ONE POINT PICK UP



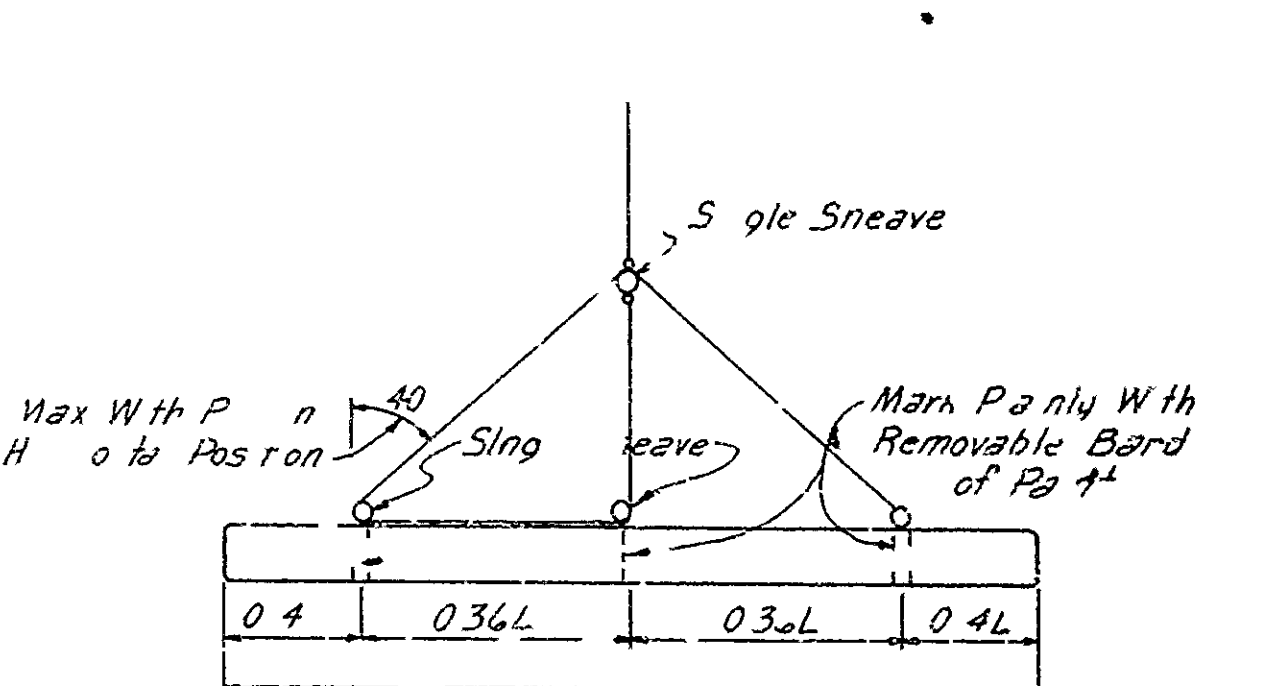
SECTION AA  
SQUARE PILE



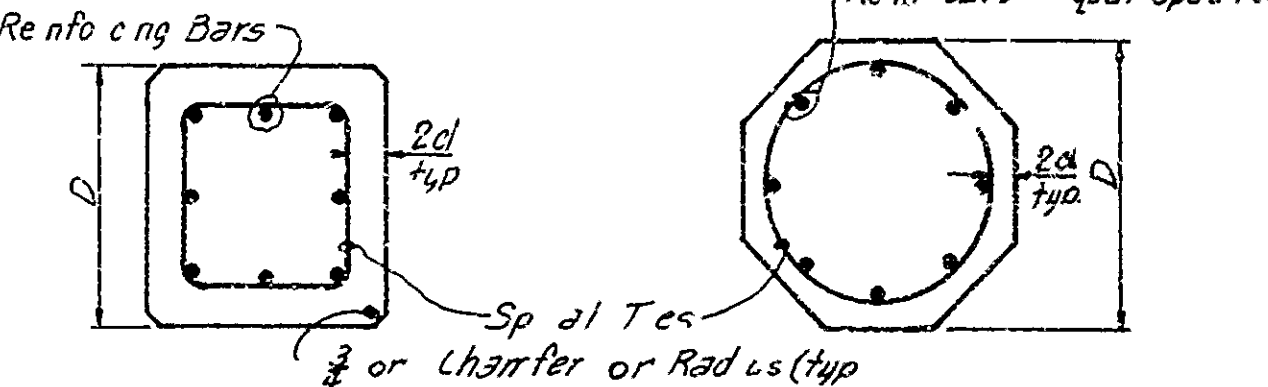
TWO POINT PICK UP

PRECAST PILE REINFORCING

PILE SIZE	NO REQD	BAR SIZE
6 OCT	3	#7
8 OCT	3	#7
4 SQ	3	#7
16 SQ	5	#7
9 SQ	5	#8



THREE POINT PICK UP



SECTION AA  
OCTAGONAL PILE

PRECAST CONCRETE PILES

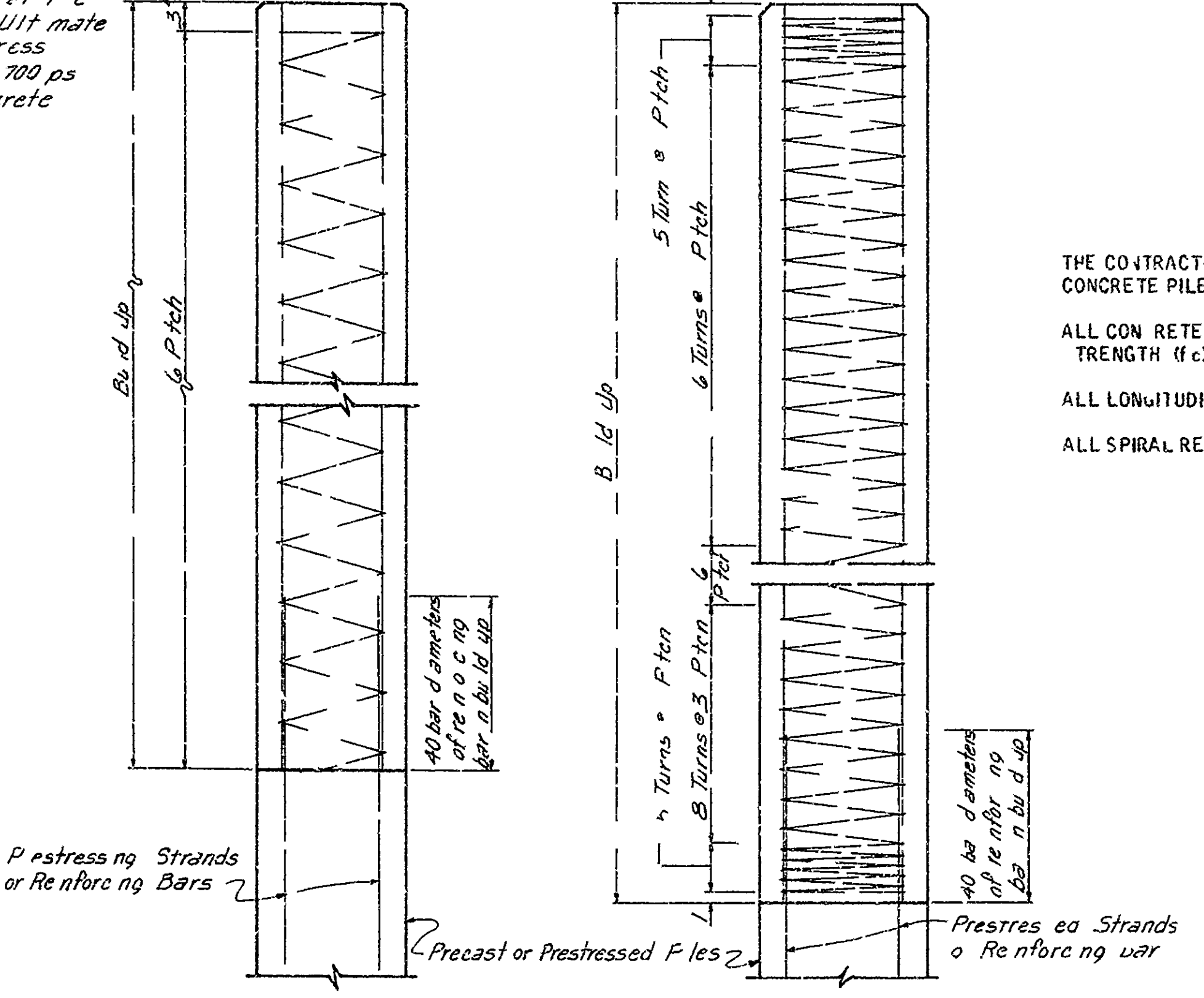
ALTERNATE PRECAST CONCRETE PILES

THE CONTRACTOR MAY ELECT TO USE A PRECAST CONCRETE PILE IN LIEU OF THE PRESTRESSED CONCRETE PILE. THE FOLLOWING NOTES APPLY TO PRECAST CONCRETE PILES.

ALL CONCRETE SHALL BE CLASS (S&E) AND SHALL HAVE A MINIMUM COMPRESSIVE CYLINDER STRENGTH OF 5000 PSI AT 28 DAYS.

ALL LONGITUDINAL REINFORCING BARS SHALL BE DEFORMED BARS OF ASTM A615 OR A617.

ALL SPIRAL REINFORCING SHALL BE THE SAME AS THAT SHOWN FOR PRESTRESSED CONCRETE.



BUILD UP  
WITHOUT DRIVING

BUILD UP  
WITH DRIVING

Revised 2 27 77 Added 1/4" Charfer Removed 1/2" before prestressing

Revised 7 24 75 Redrawn to include Square Piles

Revised for 1978 Specs 9 15 78 V D N

DETAILS OF STANDARD  
CONCRETE PILES  
ROUTE SEC.  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

DRAWN BY: J. L. W. DATE: 7 28 75  
CHECKED BY: J. L. W. DATE: 7 31 75  
DESIGNED BY: D. L. W. DATE: 7 28 75

BRIDGE NO. DRAWING NO. 2383

7 Minimum to 9 Maximum  
Length to be determined by the lettering required

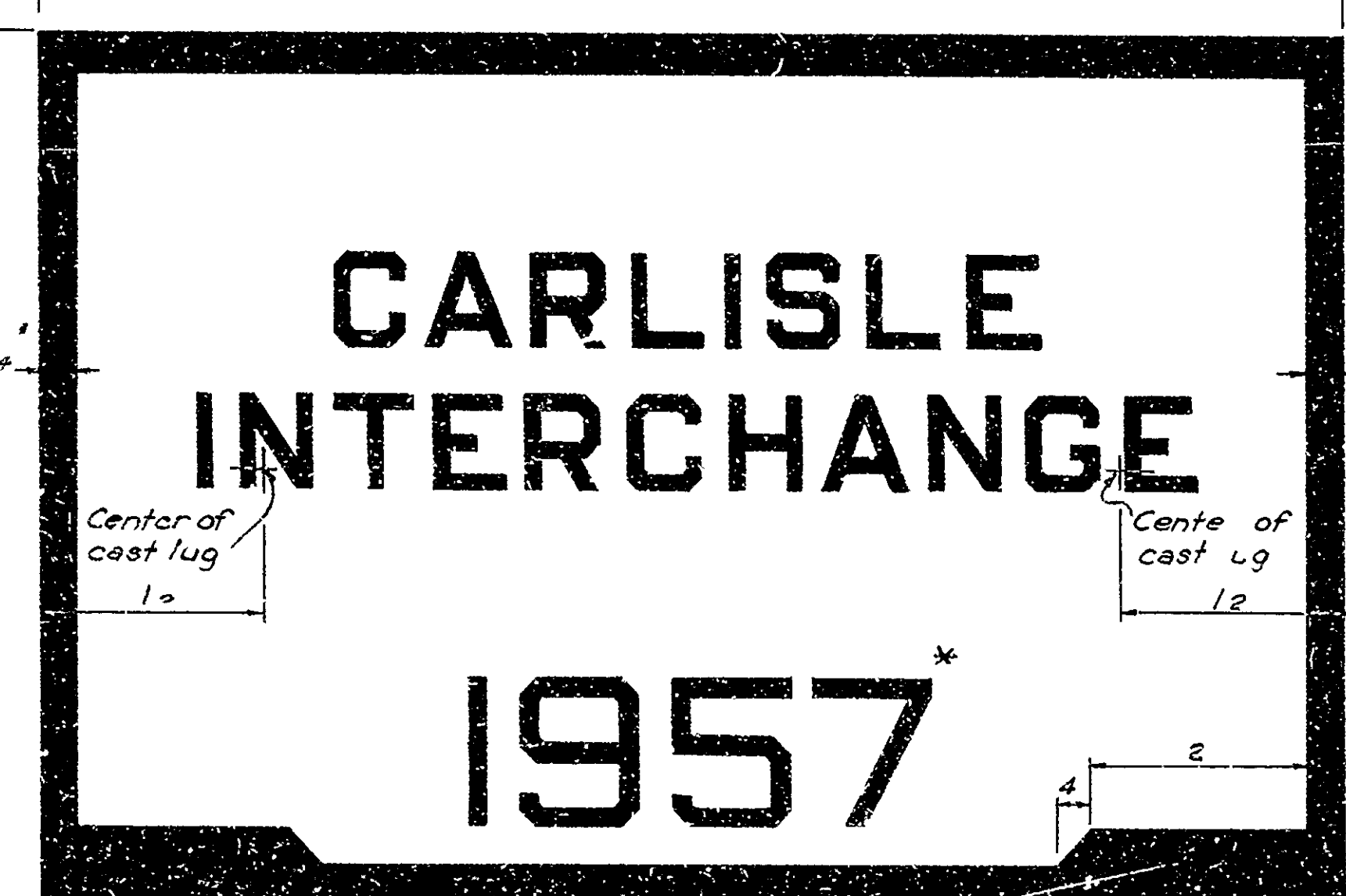


Stamp the design loading here with letters and numerals 3/8 high Example H 20

Stamp the bridge number here with numerals 3/8 high Example 3275

TYPICAL BRIDGE NAME PLATE STYLE 1 FULL SIZE  
STREAM CROSSINGS

7 Minimum to 9 Maximum  
Length to be determined by the lettering required



Stamp the design loading here with letters and numerals 3/8 high Example H 20

Stamp the bridge number here with numerals 3/8 high Example 327

TYPICAL BRIDGE NAME PLATE-STYLE 3 FULL SIZE  
GRADE SEPARATION STRUCTURES

Note: The design loading should be stamped on the plate before the bridge number is stamped.

7 Minimum to 9 Maximum  
Length to be determined by the lettering required



Stamp the design loading here with letters and numerals 3/8 high Example H 20

Stamp the bridge number here with numerals 3/8 high Example 3276

TYPICAL BRIDGE NAME PLATE STYLE 2 FULL SIZE  
STREAM CROSSINGS

7 Minimum to 9 Maximum  
Length to be determined by the lettering required



Stamp the design loading here with letters and numerals 3/8 high Example H 20

Stamp the bridge number here with numerals 3/8 high Example 3278

TYPICAL BRIDGE NAME PLATE STYLE 4 FULL SIZE  
GRADE SEPARATION STRUCTURES

0000	1000	6572
0000	1000	6572
0000	1000	6572

**General Notes**  
Name plates shall be either Bronze or Aluminum. Body of plate shall be 3/8 thick and include two tapering cone lugs 3/8 to 1/2 inch. Bronze US Government Specification for Statuary Bronze. Aluminum Current ASTM Specifications, Series A1 Designation B26 Alloy 3560. The border and all lettering shall be raised 1/8 inch above face of plate. Top surface of raised border and lettering to be polished. All lettering to be plain Gothic square cut and not tapered. The number of plates required and the location shall be as shown on the plans. Name of plate to be such as to suit each bridge as shown on the plans. Shop drawings of Bridge Name Plates shall be submitted and approved before fabrication is begun. Specification for Arkansas State Highway Commission Standard Specification for Highway Construction. Edition of 1978 and all applicable Specifications.

\* Year in which contract awarded

and the title H 3  
The design loading should be stamped on the plate before the bridge number is stamped.

**DETAILS OF STANDARD  
TYPE C BRIDGE NAME PLATES**

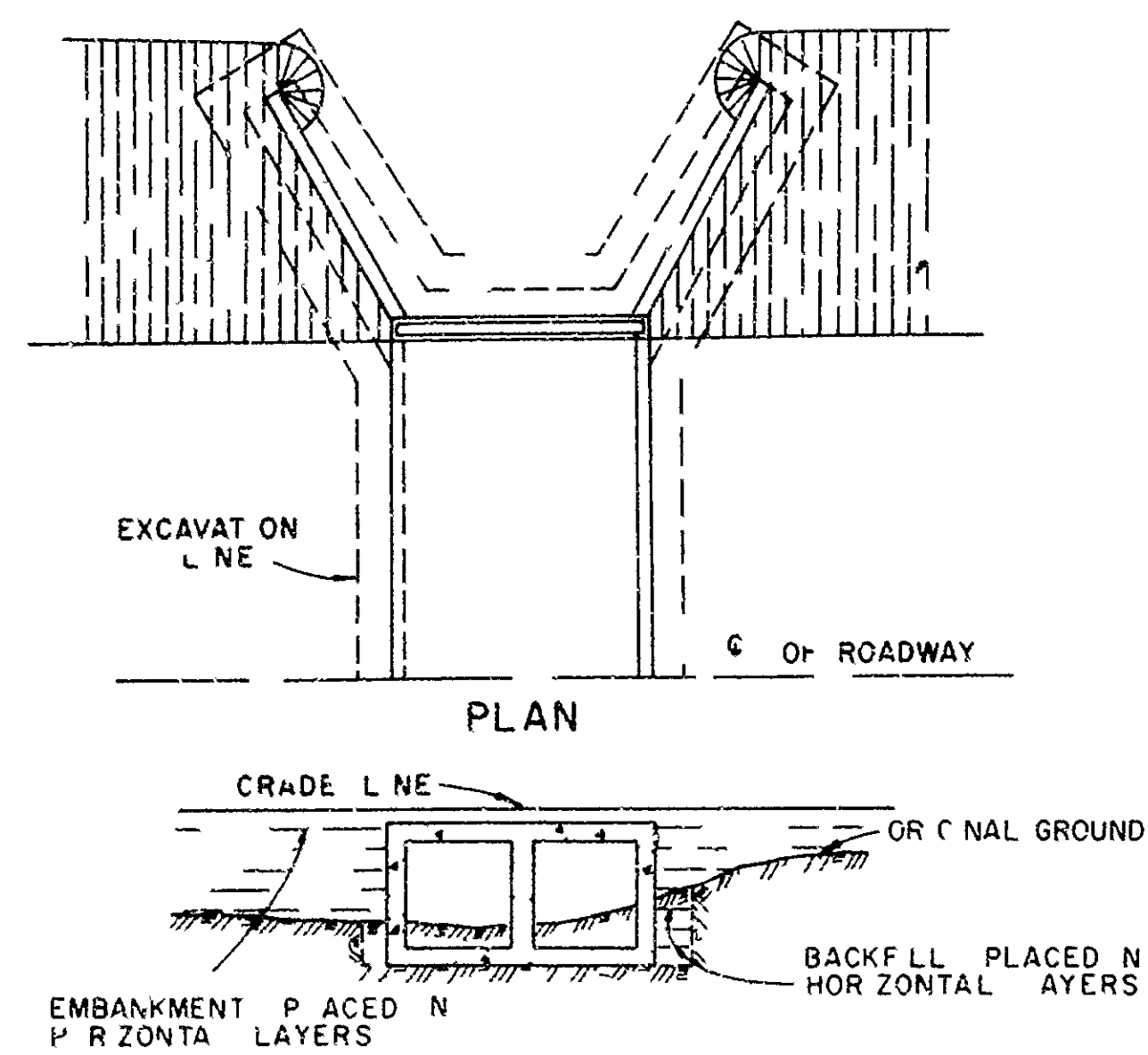
ROUTE SEC  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

DRAWN BY: H.D. DATE: 5-21-57  
TRACED BY: DATE: 6-6-57  
CHECKED BY: DATE: 6-6-57  
SCALE: 1/4" = 1'-0"

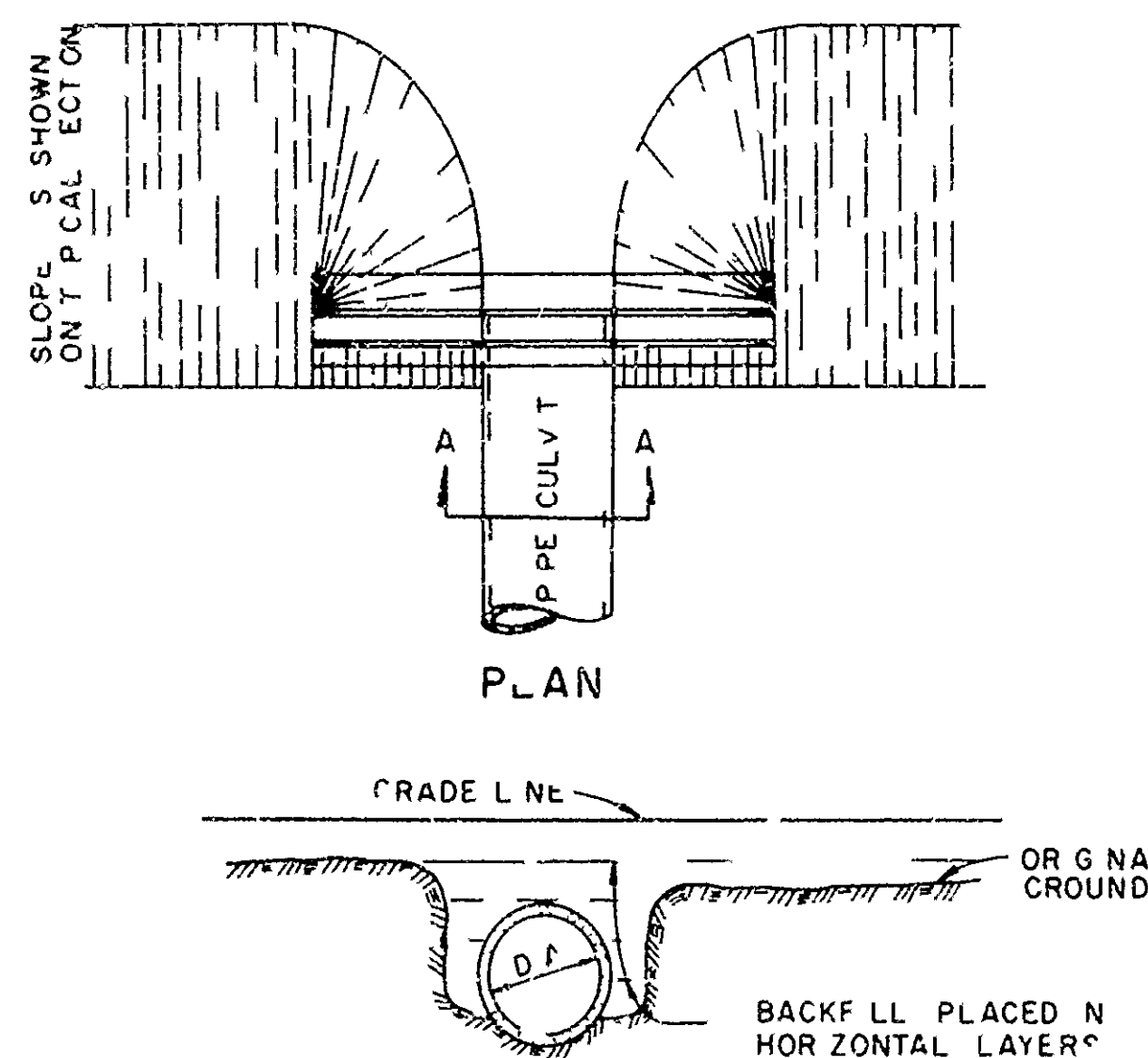
BRIDGE DESIGN ENGINEER

DRAWING NO. 1000

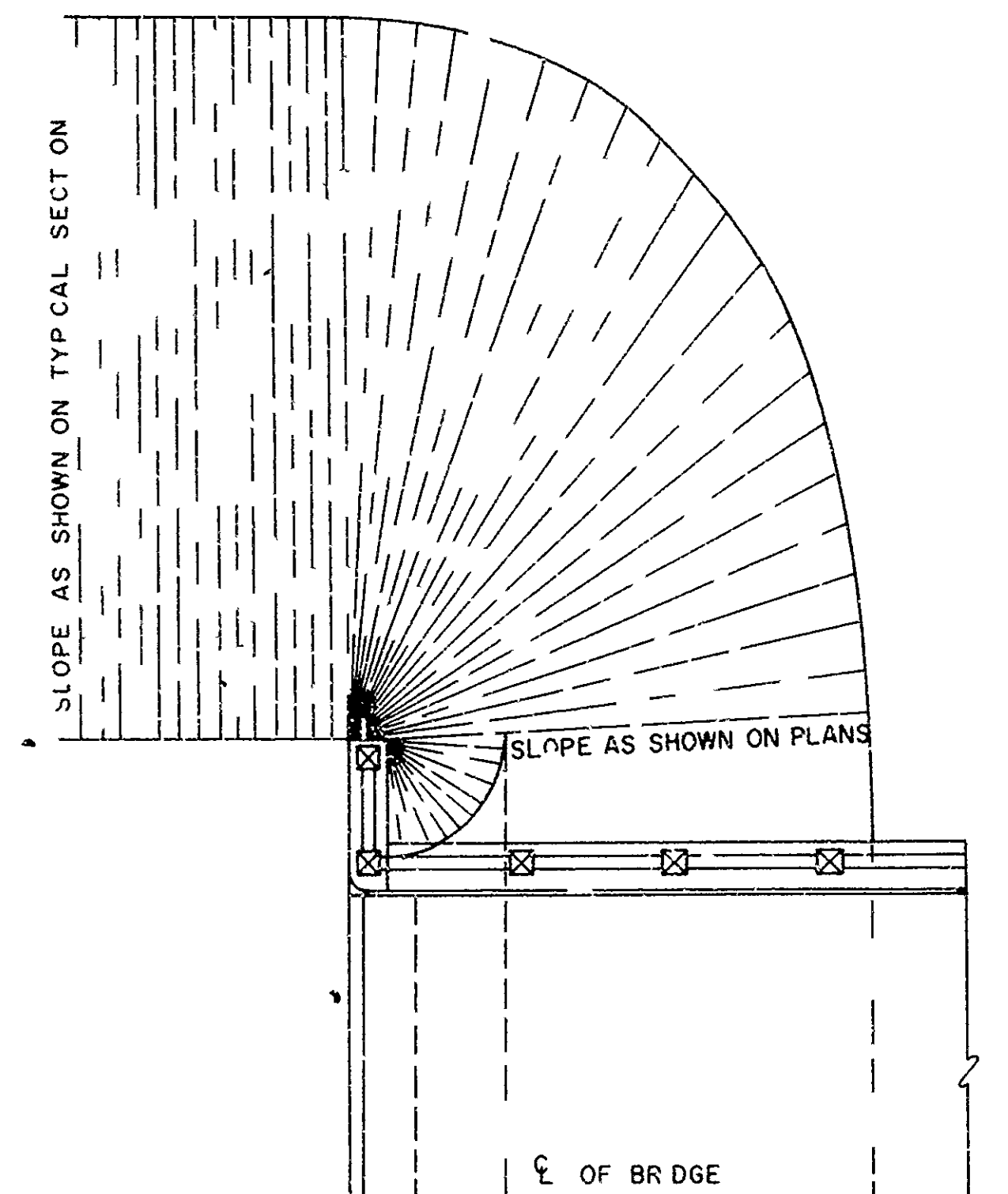




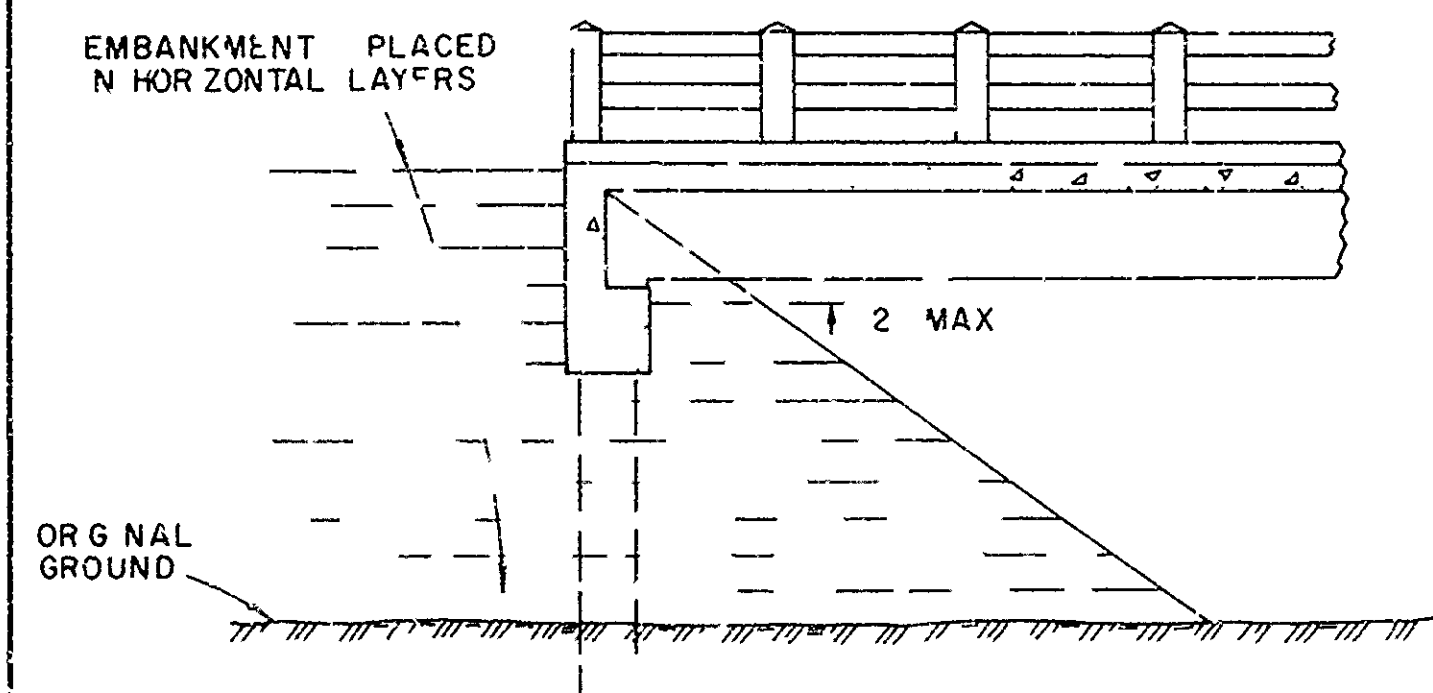
LONGITUDINAL SECTION  
BOX CULVERT



SECTION A A  
PIPE CULVERT



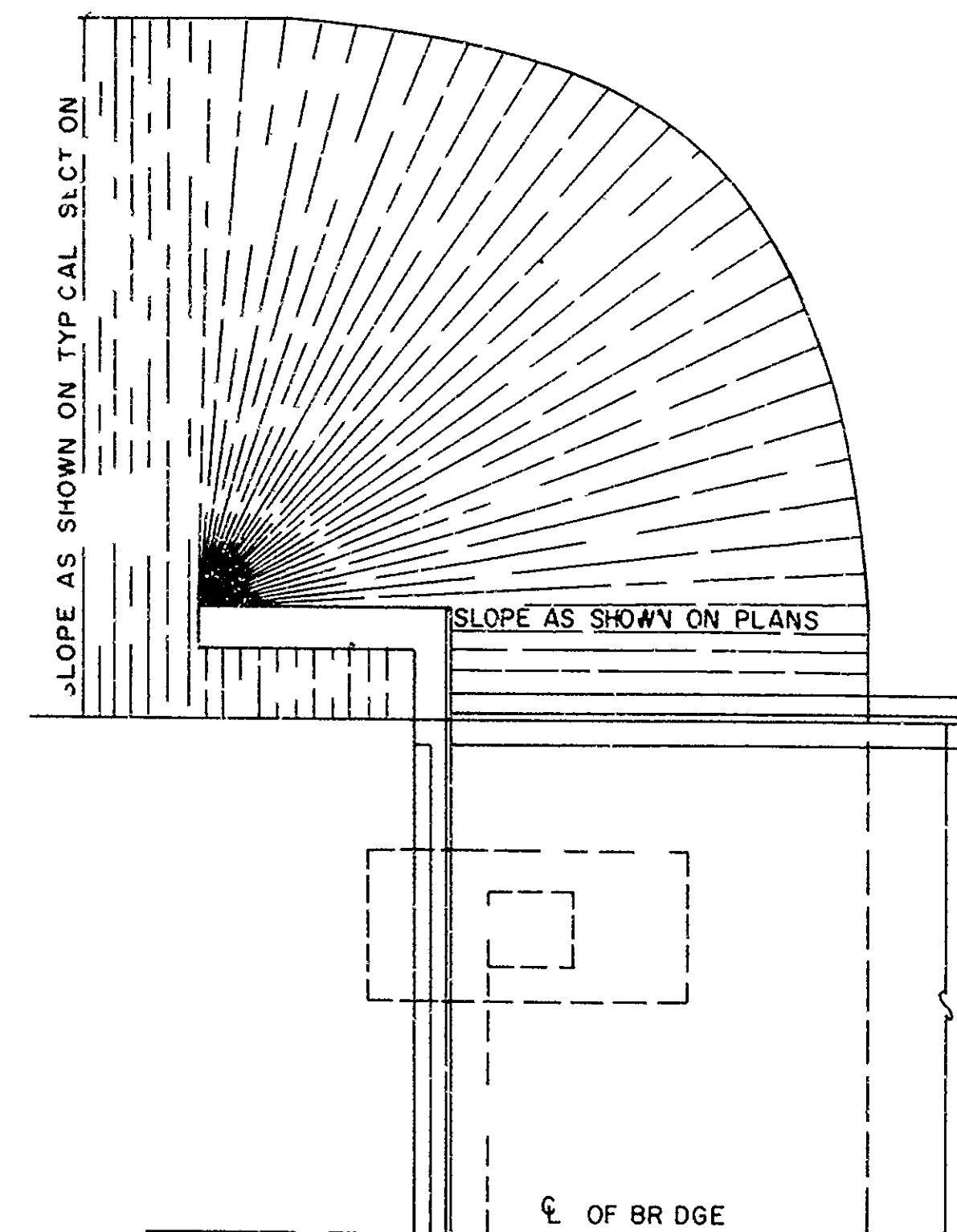
HALF PLAN



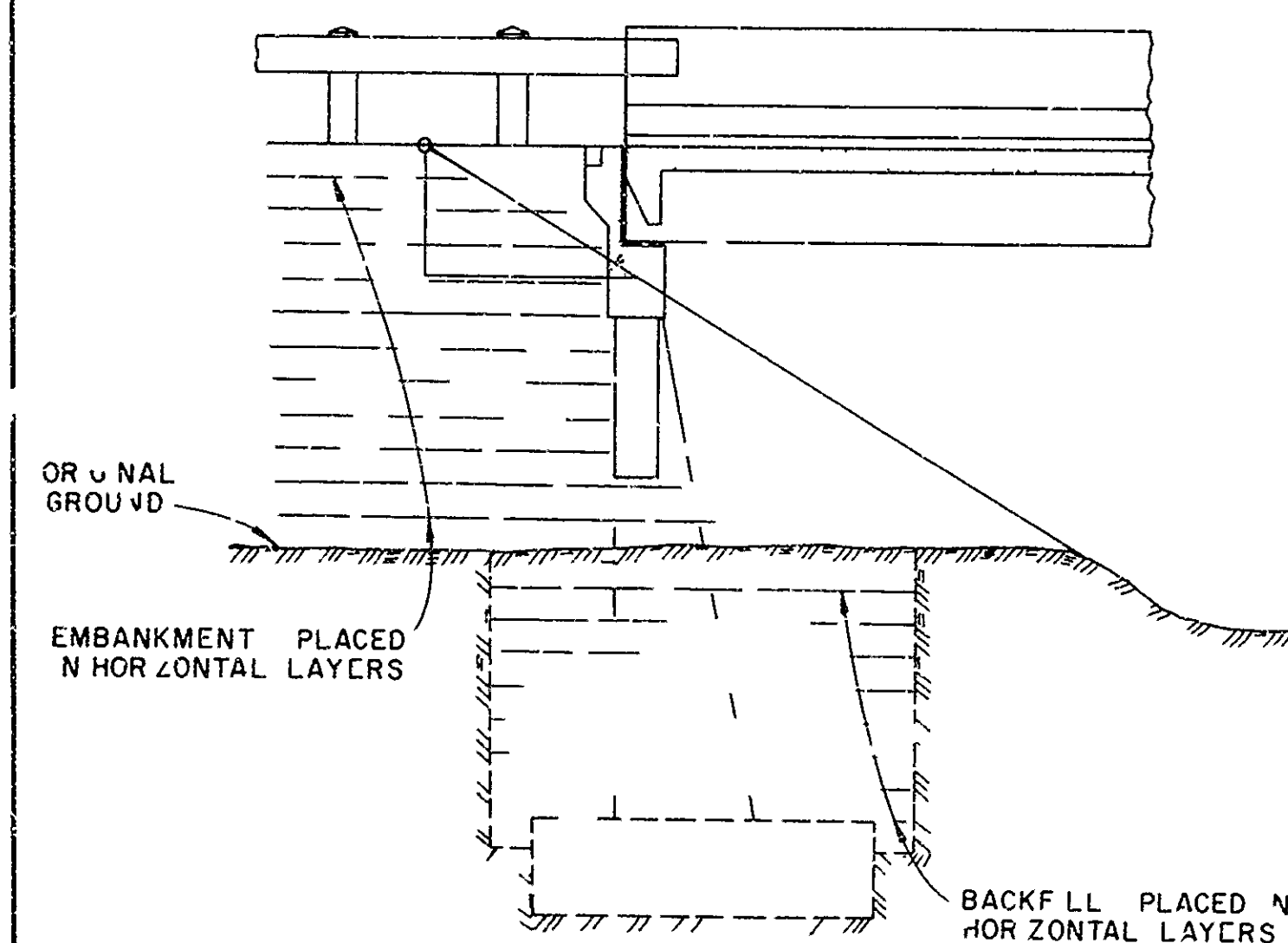
LONGITUDINAL SECTION

OPEN END ABUTMENT

CONSTRUCTION OF THE BRIDGE END EMBANKMENT  
THE BRIDGE END EMBANKMENT SHALL BE DEFINED AS NOT LESS THAN 20 FEET OF EMBANKMENT ADJACENT TO THE END OF THE BRIDGE TOGETHER WITH THE SIDE SLOPES AND SLOPES UNDER THE BRIDGE END AND AROUND THE END OF WINGWALLS  
REFER TO SUB SECTIONS 2.008 AND 2.009 OF THE SPECIFICATIONS FOR CONSTRUCTION REQUIREMENTS



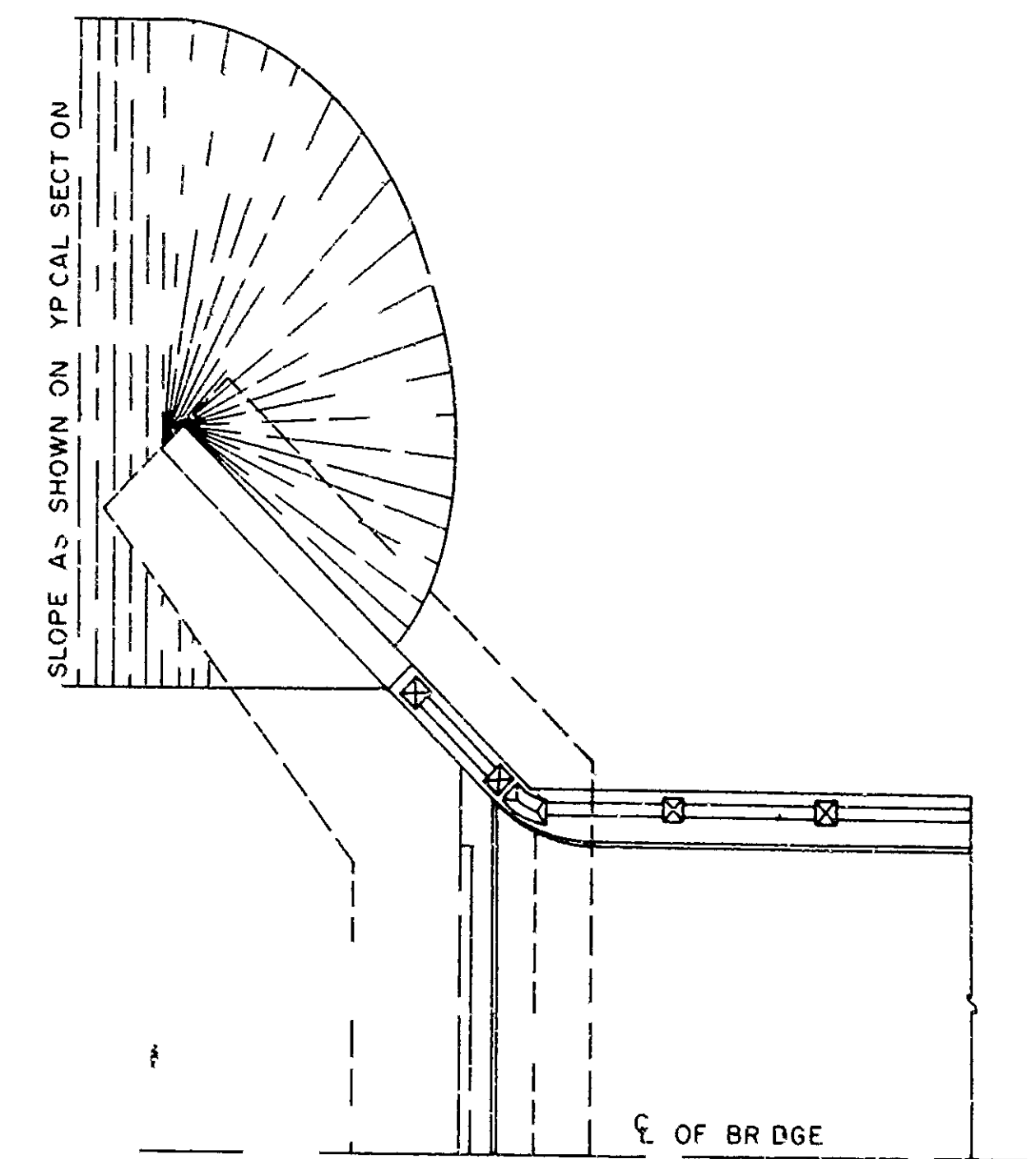
HALF PLAN



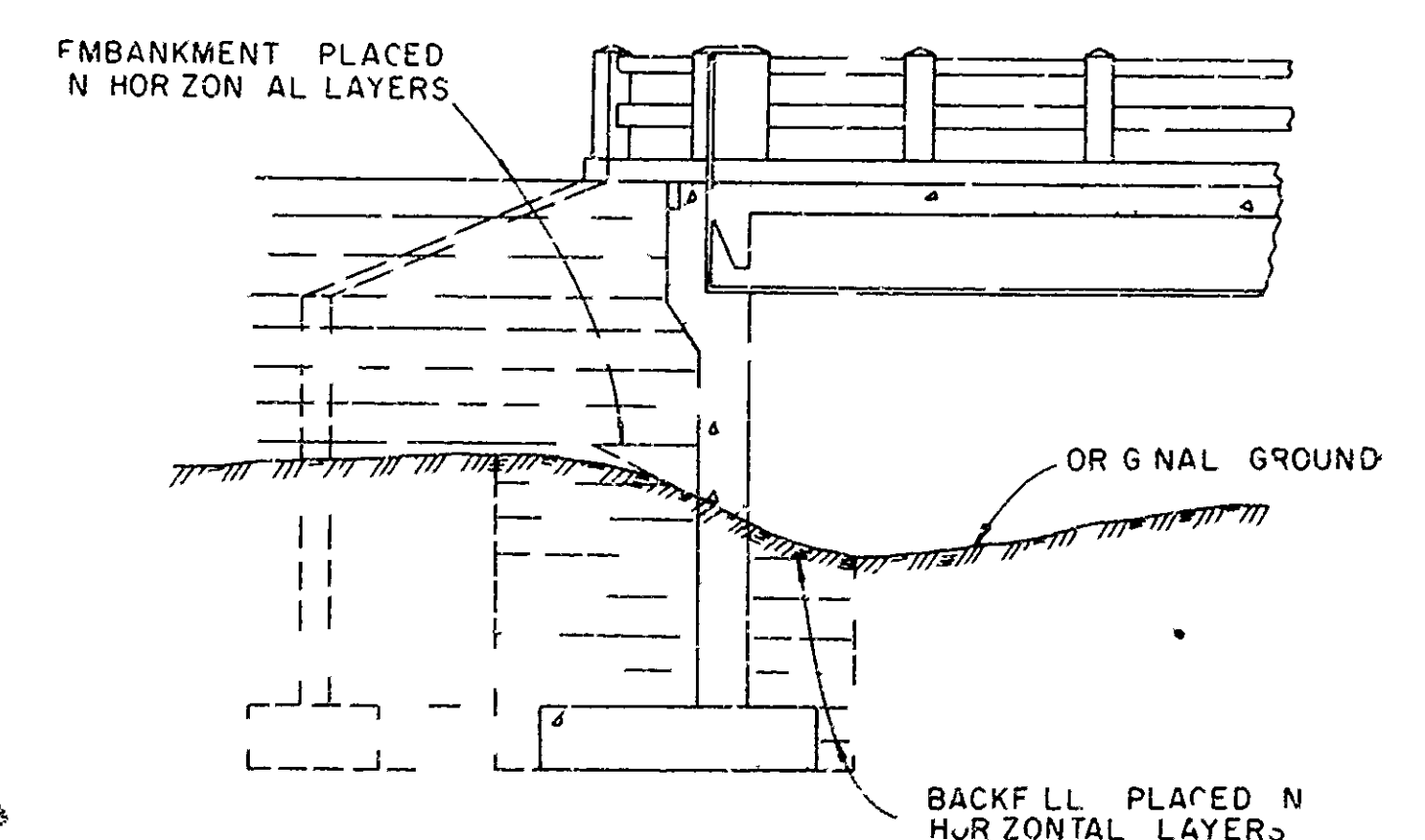
LONGITUDINAL SECTION

SEMI-STUB ABUTMENT AND  
TURN BACK WING PILE BENT

BACKFILLING EXCAVATION  
IN SO FAR AS PRACTICABLE ABUTMENT EXCAVATIONS SHALL BE CUT TO THE SIZE SHOWN ON HALF PLANS WITH ALLOWANCE OF 3 FEET ON ALL SIDES  
ORDERED AND FLARED CUTS TO AVOID THE USE OF SHEETING SHALL NOT BE PERMITTED  
BACKFILL AROUND THE WALL OR COLUMNS SHALL BE COMPACTED IN ACCORDANCE WITH SUB SECTION 80.08 OF THE SPECIFICATIONS



HALF PLAN



LONGITUDINAL SECTION

WINGWALL ABUTMENT

GENERAL NOTE  
BACKFILL AND EMBANKMENT ADJACENT TO STRUCTURES TO BE CONSTRUCTED IN 4 INCH HORIZONTAL LAYER LOOSE MEASURE AND COMPACTED TO THE SATISFACTION OF THE ENGINEER BY USE OF MECHANICAL EQUIPMENT

9 5 78	SECTION 202 TO 20	8/9/78
0 2 72	REVISED & REDRAWN	520 02 72
DATE	REVISED	DATE F.L.M.D.

ARKANSAS STATE HIGHWAY COMMISSION

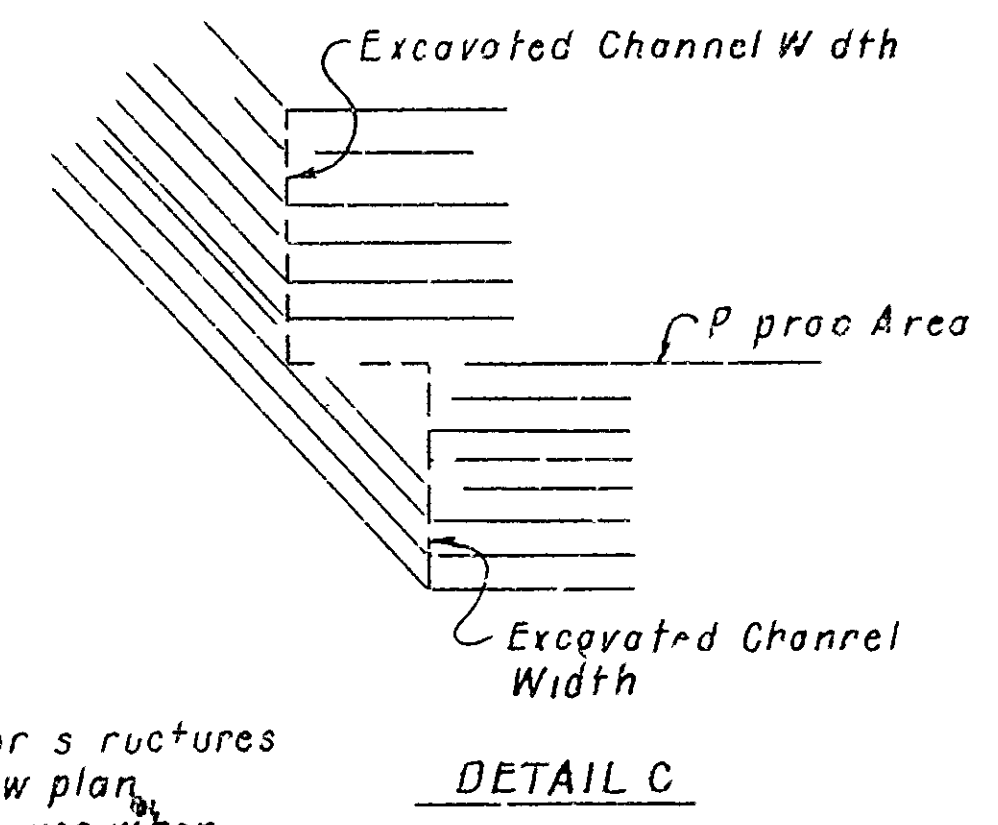
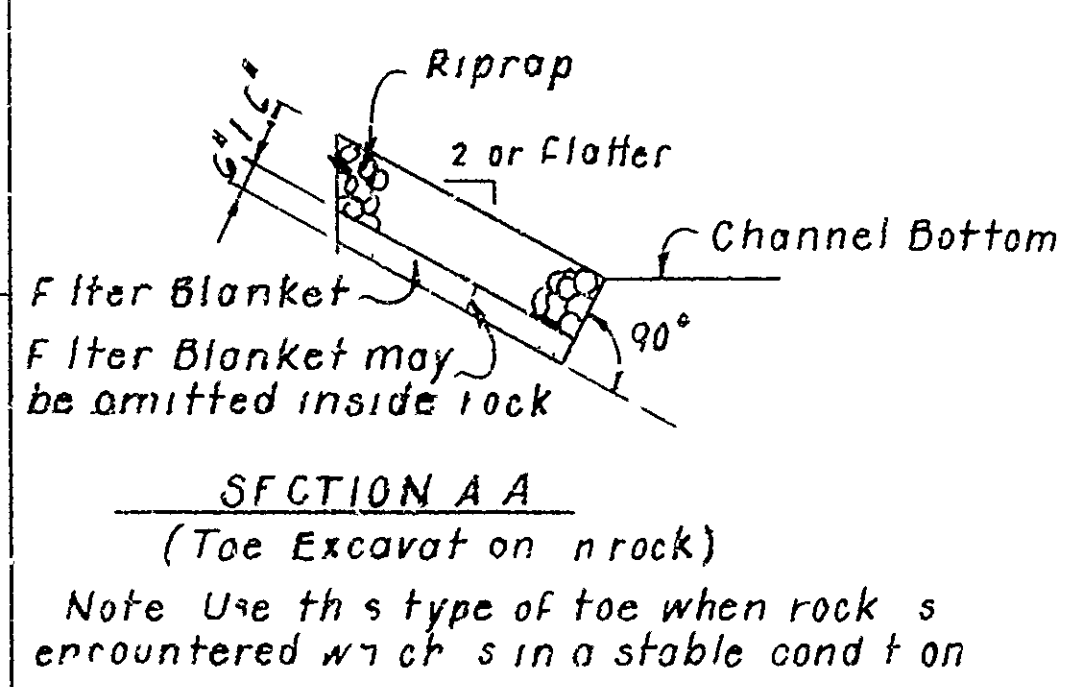
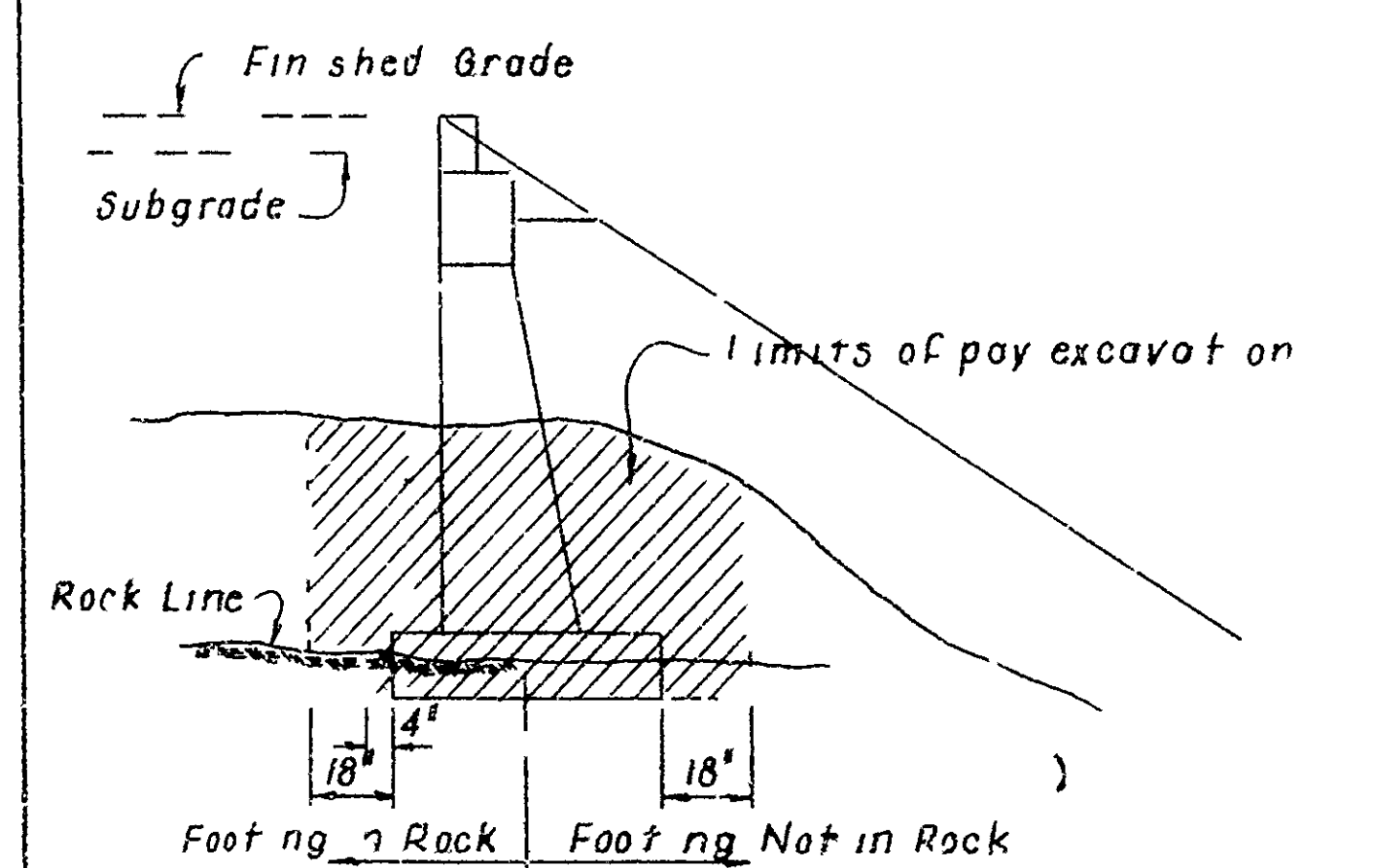
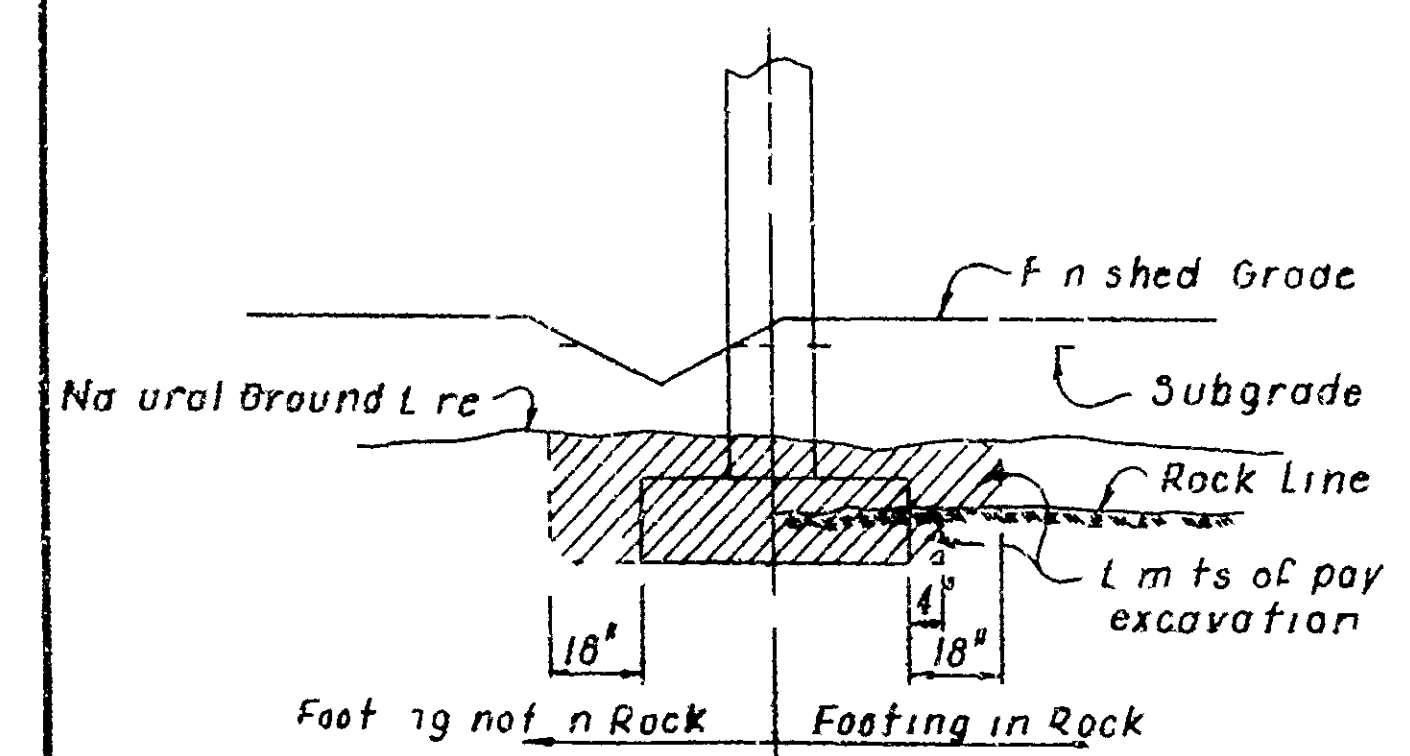
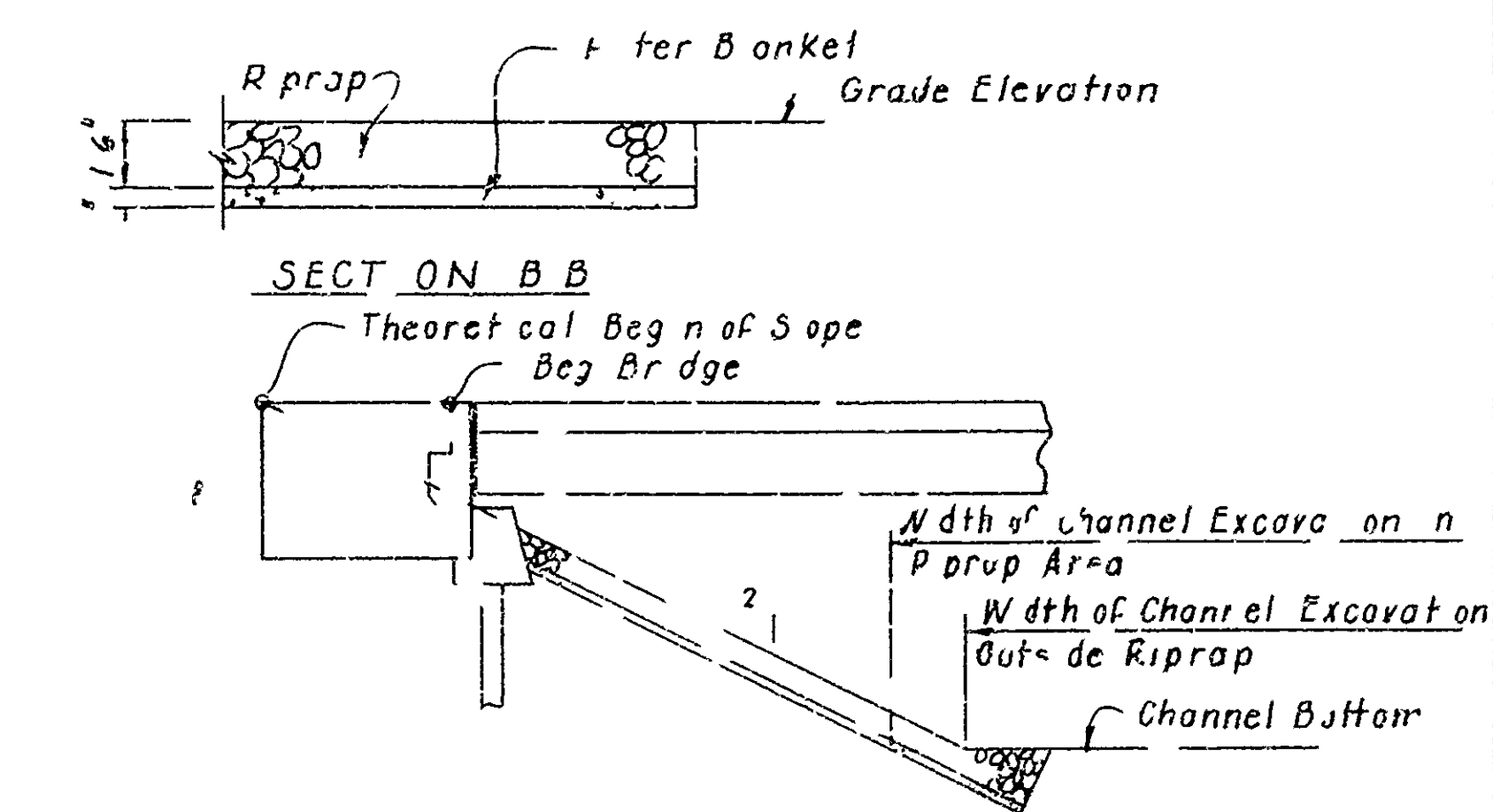
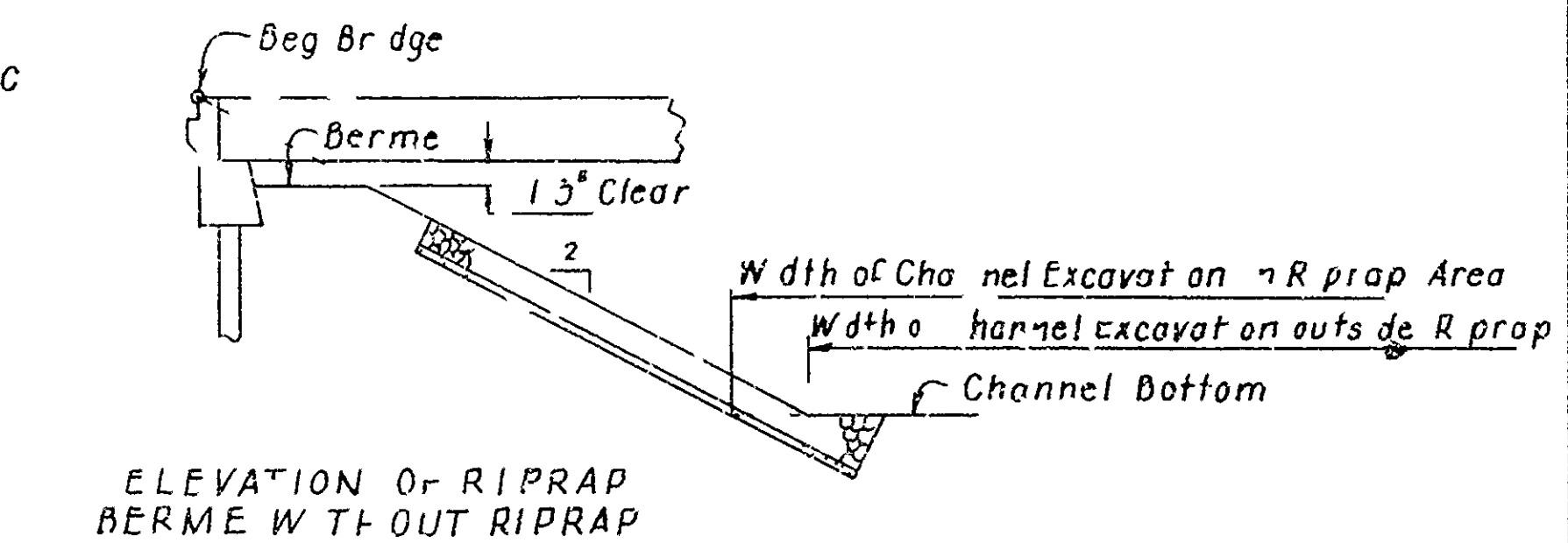
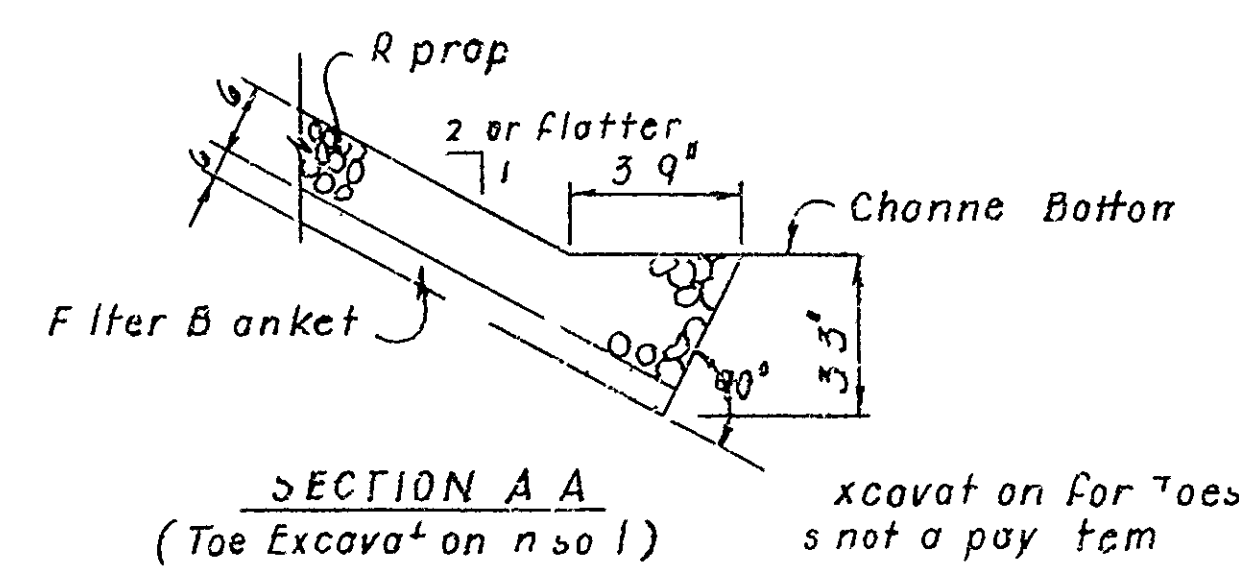
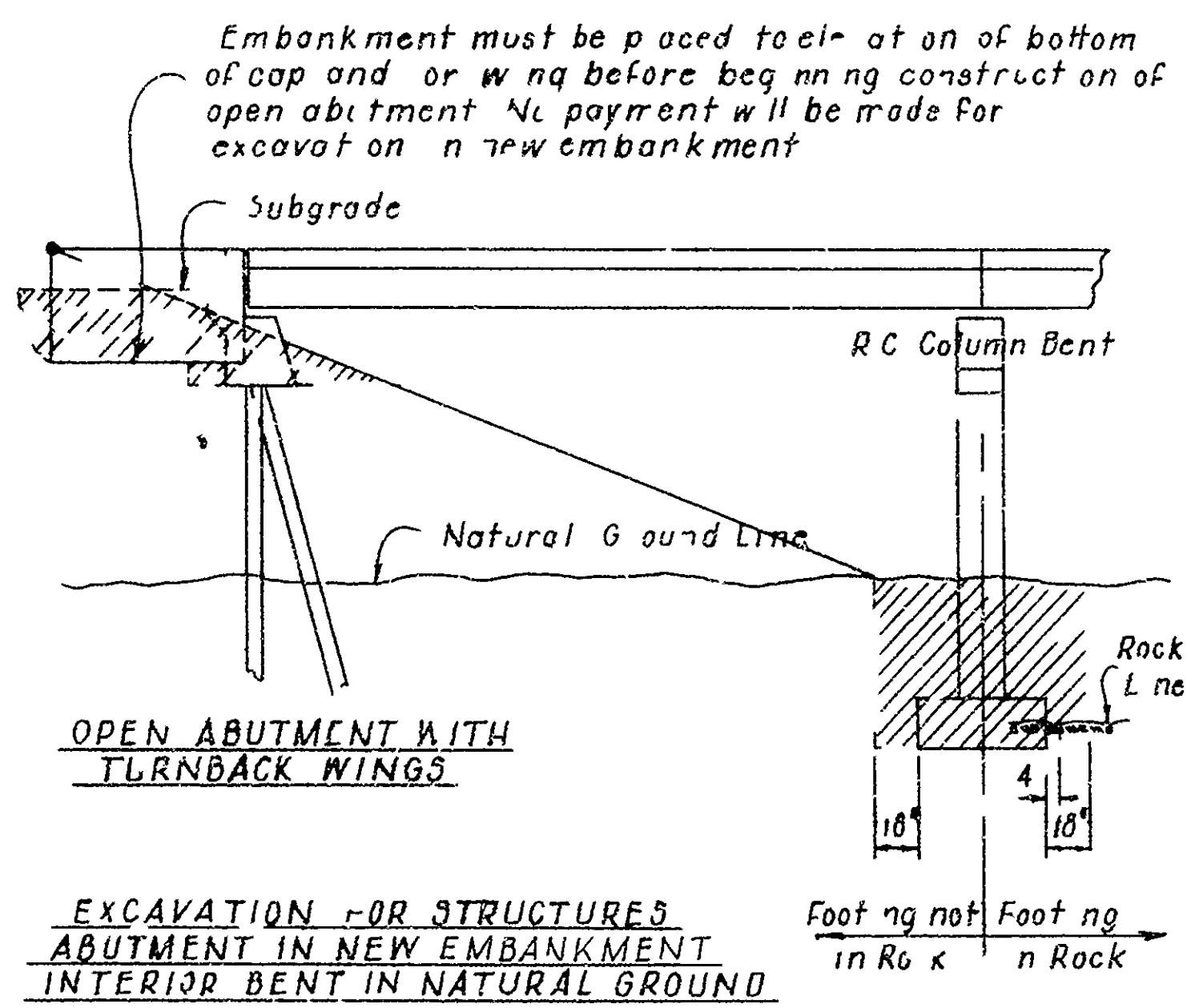
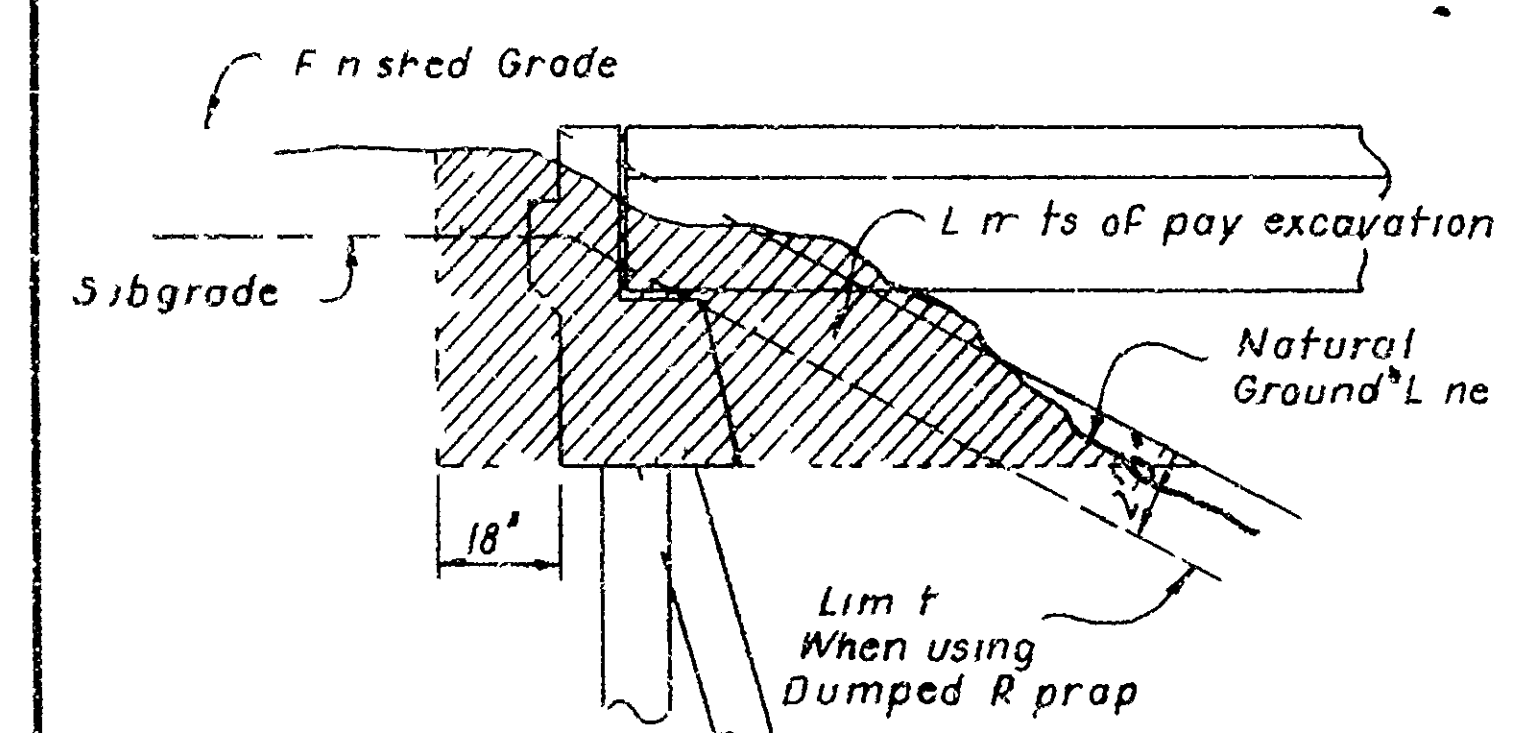
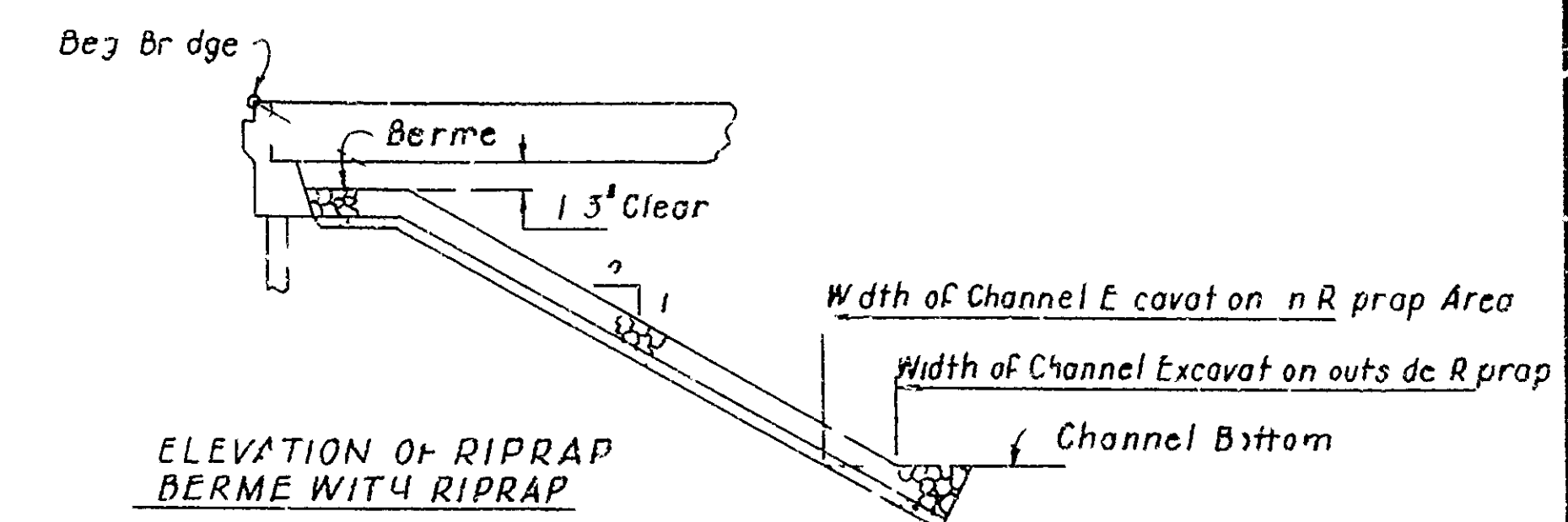
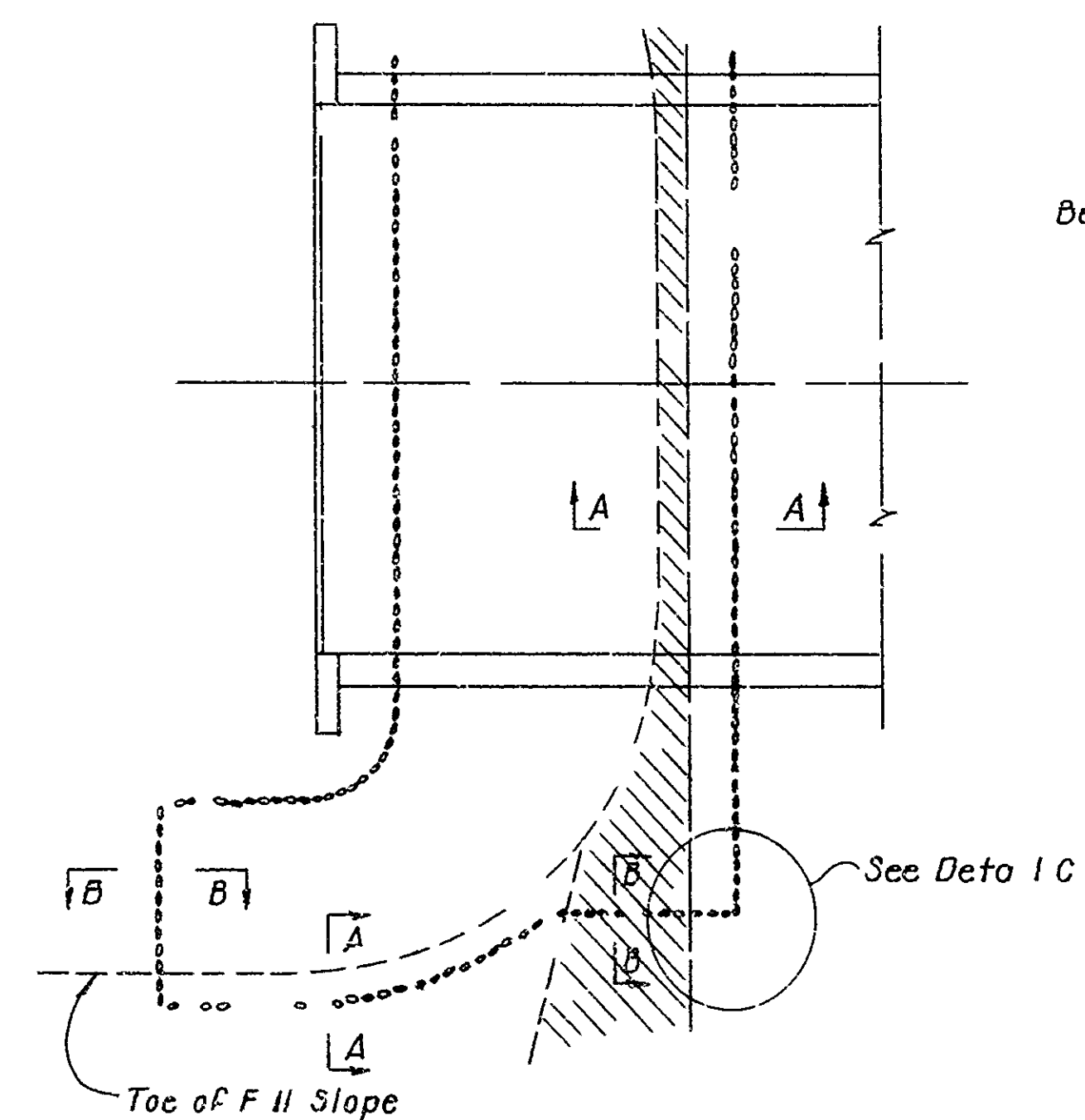
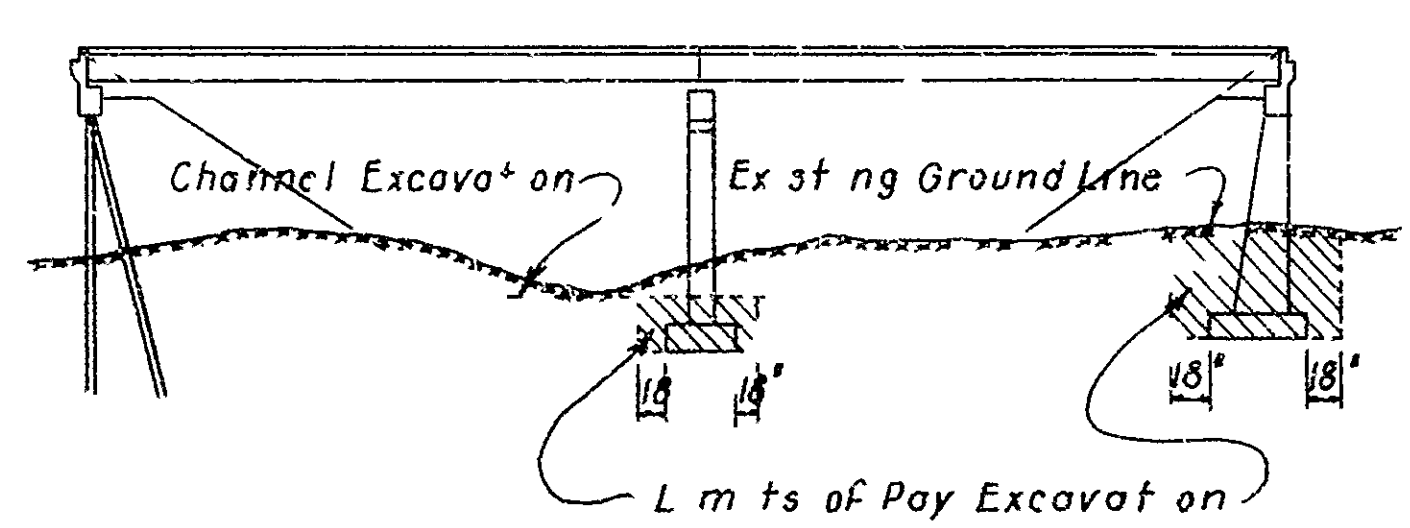
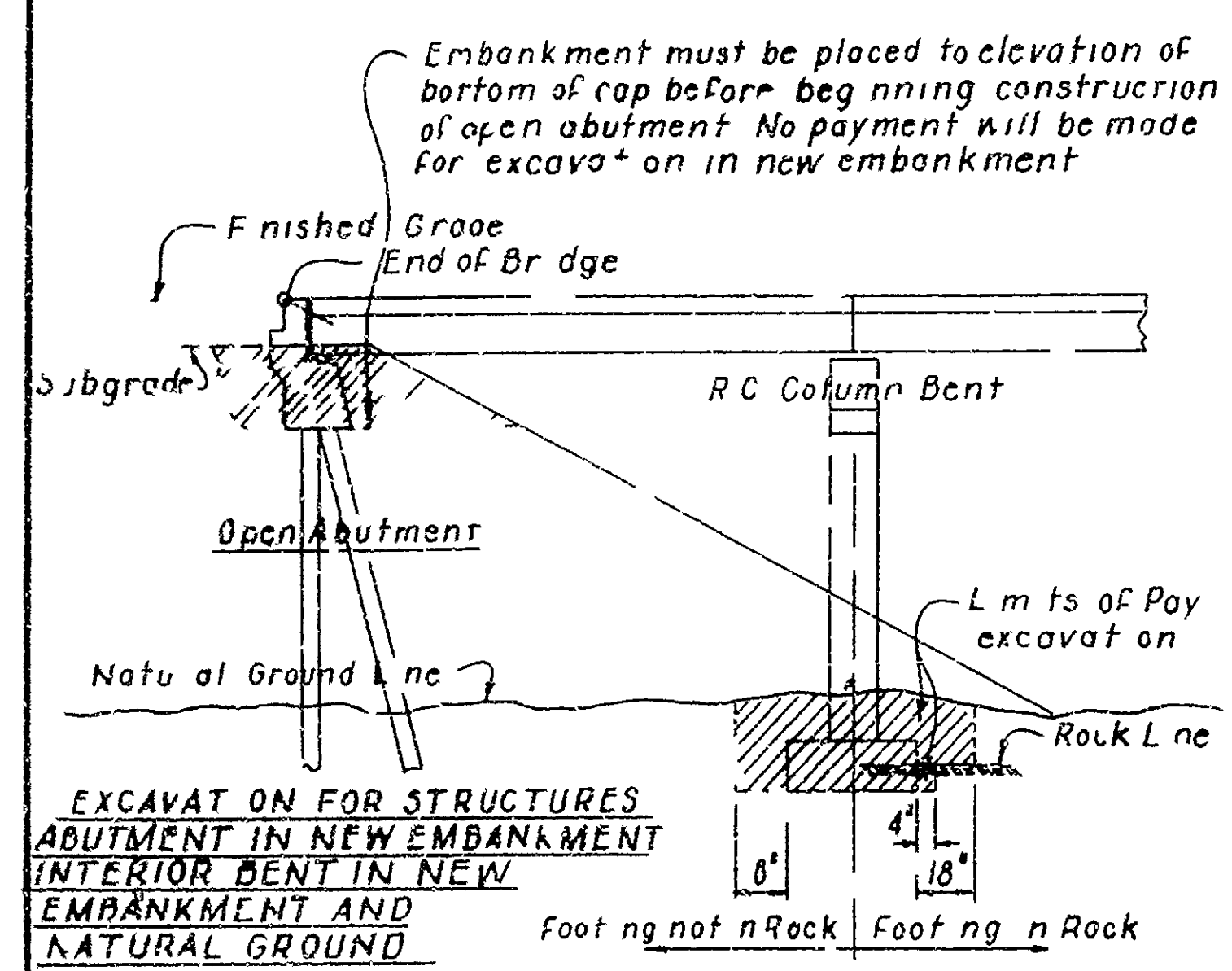
EMBANKMENT CONSTRUCTION AT  
BRIDGE ENDS AND  
BACKFILL FOR STRUCTURES

STANDARD DRAWING  
1888A



DATE REVISED	DATE FILLED	DATE REVISED	DATE FILLED	PER NO.	STATE	FED AID PROJ NO	SHEET NO.	TOTAL SHEETS
				6	ARK		7	
JOB NO. 1891 F								

Riprap Details & Excavation 1891 F



Note: Detail C for computing excavation for structures are included for information as to how plan quantities were calculated and for use when adjusting quantities when changing footing elevation.

DETAILS FOR DUMPED RIPRAP AND FILTER BLANKET AND DETAILS FOR COMPUTING EXCAVATION FOR STRUCTURES ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION

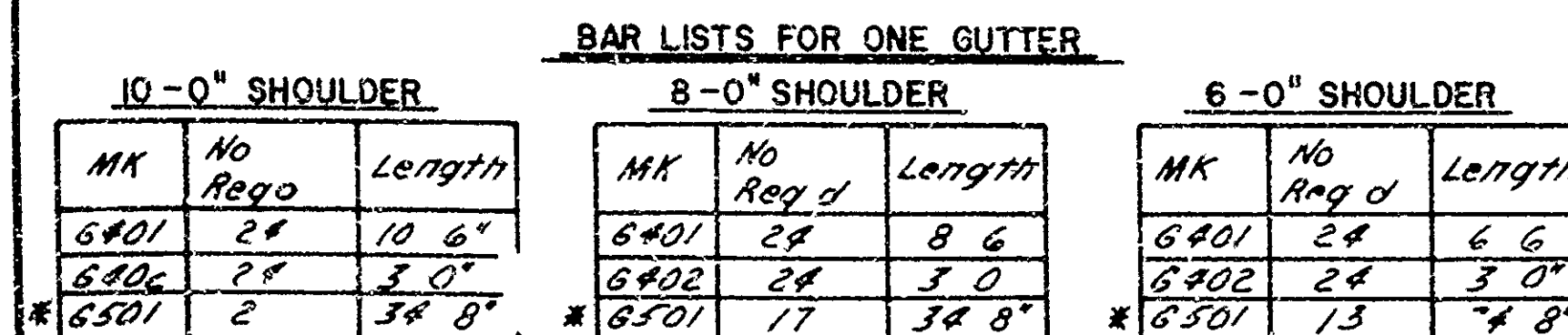
LITTLE ROCK, ARK

DRAWN BY: LM DATE: 4-6-77

CHECKED BY: FH DATE: 4-11-77

DESIGNED BY: DATE: 1

BRIDGE NO. DRAWING NO. 1891 F



Scale 1<sup>st</sup> 30

BAR LIST FOR ONE GUTTER

PLAN

MK	No Reg'd			Length	Bending Diagram
	00	80°	60		
	54	54	54		
6A01	21	21	2	A + 6	
6A02	24	24	24	3' 0	
6A03	3	3	3	A (3' 1")	
6A04	4	24	24	4' 10	
6A05	24	24	24	3' 8'	
6A06	26	26	26	2' 8	
6A07	2	2	2	3' 8'	
6A08				3' 5"	
6A09			1	3' 1	
6A10			1	2' 9	
6A11	1	1	1	2' 5	
6A12	3	3	3	2' 2	
6A13	3	3	3	6' 3	
6A14	2	2	2	5' 9	
6A15	2	2	2	1' 2	
6A16	2	2	2	1' 8	
6A17	2	2	2	2' 2	
6A18	2	2	2	2' 5	
6A19	14	0	6	3' 8	
6A20	7	7	7	2' 8'	

**DETAILS OF LONGITUDINAL CONSTRUCTION JOINT**

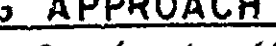
Scale 1/20  
 at Top & at Bottom poured Synthetic Polymer  
 Approach Slab  
 Const. if optional  
 Support same as Exp Jt

**DETAILS OF DUMMY GROOVED JOINT**

Scale 1/20  
 Note Om + support at longitudinal dummy grooved joint  
 Not a Joint Material of completely full joint width 1" o pavement surface as per Subsect on 50 03(F)

**DETAILS OF SUPPORT AT EXPANSION JOINT**

Scale 1/20  
 Thk 4" Seal 75 per Sub sect on 50 03(g)(2)  
 om + Exp + when pavement is asphalt  
 Approach Slab  
 5403  
 3 @ 10"  
 5' 0"  
 2-5402 @ 12"



Scale 1/10

△ Rev sed Shoulder Wdth 9 12 77, P<sub>2</sub>  
6 Rev sed 5 978 Specs 9 5 78, K D H

Note  
Surface finish to approach  
slabs shall match that used  
on the bridge deck

### GENERAL NOTES

CONCRETE SHALL BE CLASS S OR CLASS S(AE) MIXTURE USED FOR PORTLAND-CEMENT CONCRETE PAVEMENT

CEMENT CONCRETE PAVEMENT

REINFORCEMENT STEEL SHALL CONFORM TO ASTM A615 OR A617

APPROACH SLABS AND GUTTERS FOR STRUCTURES SHALL BE PAID FOR AT THE

CONTRACT UNIT PRICE EACH BID FOR "APPROACH GUTTERS" OR APPROACH SLA  
AND GUTTERS, 1. OF THE TYPE DESIGNATED, WHICH PRICES SHALL BE FULL

AND GUTTERS-- OF THE TYPE DESIGNATED WHICH PRICE SHALL BE FULL  
COMPENSATION FOR FURNISHING MATERIALS INCLUDING CONCRETE REINFOR

STEEL AND JOINT FILLER; PLACEMENT AND COMPACTION OF BASE MATERIAL;

FOR FORMS MIXING PLACING CURING AND FINISHING; FOR EXCAVATION AND  
 FOUNDATIONS AND FOR ALL CONSTRUCTION TOOLS, HAND-ARMS AND INCIDENTALS, ACCESSORIES

BACKFILL, AND FOR ALL LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NEEDS  
CARRY TO COMPLETE THE WORK.

COORDINATED WORK PLAN FOR COMPLETING AND ADDRESSING WORK

CORRUGATED METAL PIPE FOR SPILLWAYS COMPLETED AND ACCEPTED WILL BE MEASURED AS PROVIDED IN SECTION 606 OF THE STANDARD SPECIFICATION.

BE MEASURED AS PROVIDED IN SECTION 004 OF THE STANDARD SPECIFICATION  
EDITION OF 1978

3

4) Added 2 0 Slab Wdth 7 26 77 Jck

Added note 3 11 75 JPS

2 Rev co 4 Exp. It's note B 22 75 JPS

1/27/32 Exp 01 = NOTE 0 22 12 01 0

3 Added Open Parapet Variable 6 22 16 61

### DETAILS OF STANDARD

### DETAILS OF STANDARDS

## APPROACH SLABS & GUTTERS

FOR CONCRETE PARAPET RAILING

11/17/70 JS for FOR CONCRETE PARAPET RAILING

Mr dge	ROUTE	SEC
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ARKANSAS STATE HIGHWAY COMMISSION

ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

195 11 12 78

DRAWN BY 015 DATE 11 12 11 *as noted*

DESIGNED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_  
P. CHECKED BY DAI DATE 12-4-74

DRAWING NO. 10087

BRIDGE NO DRAWING NO 1898