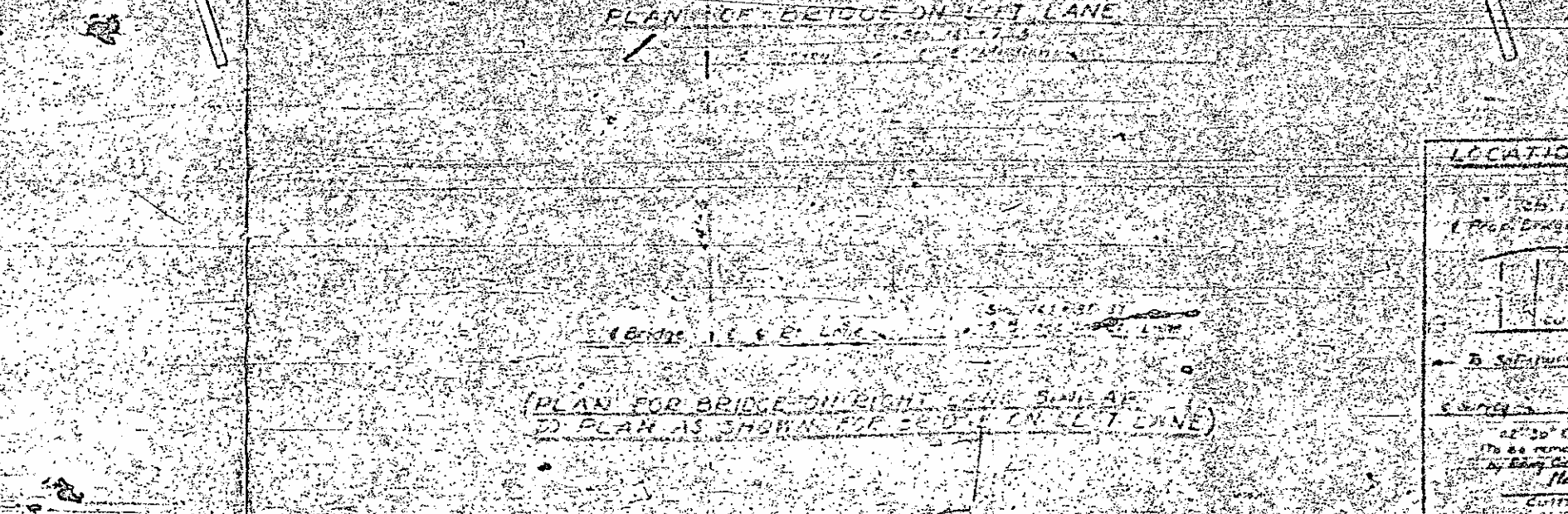
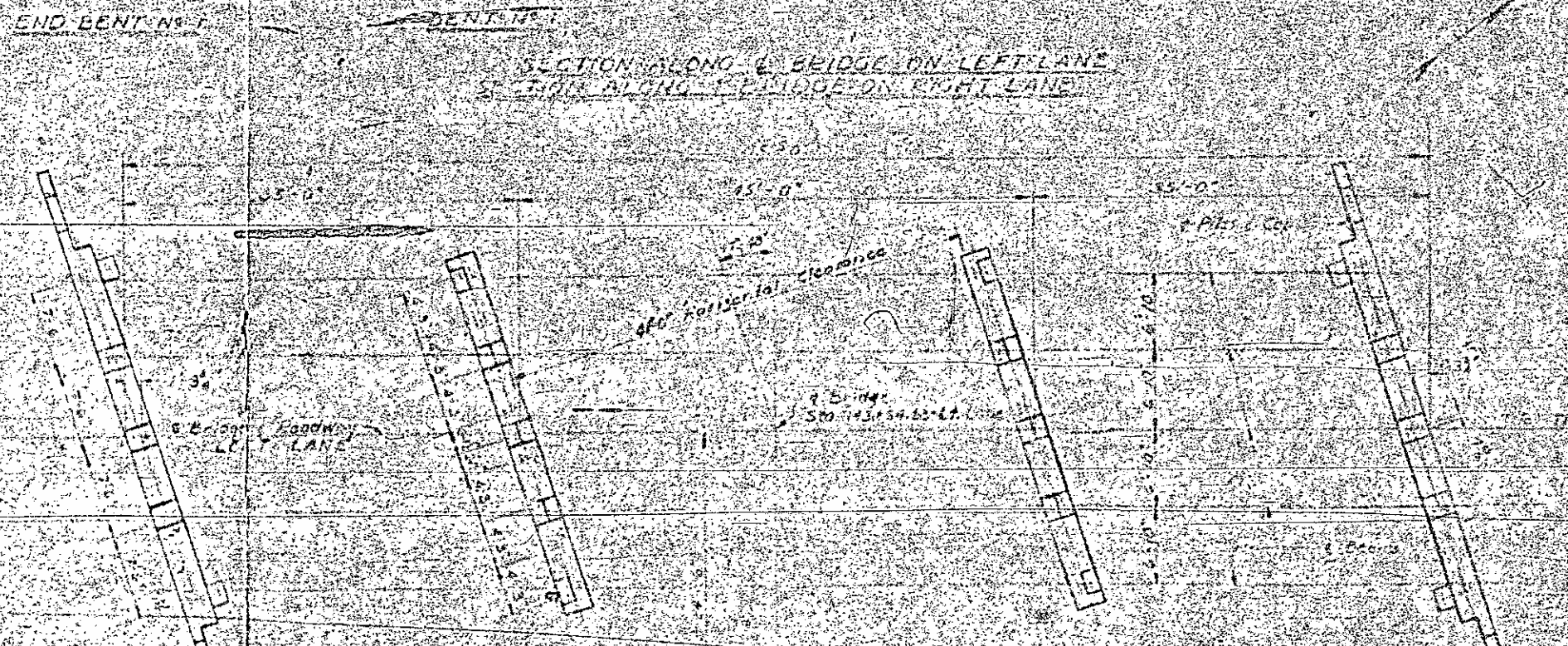
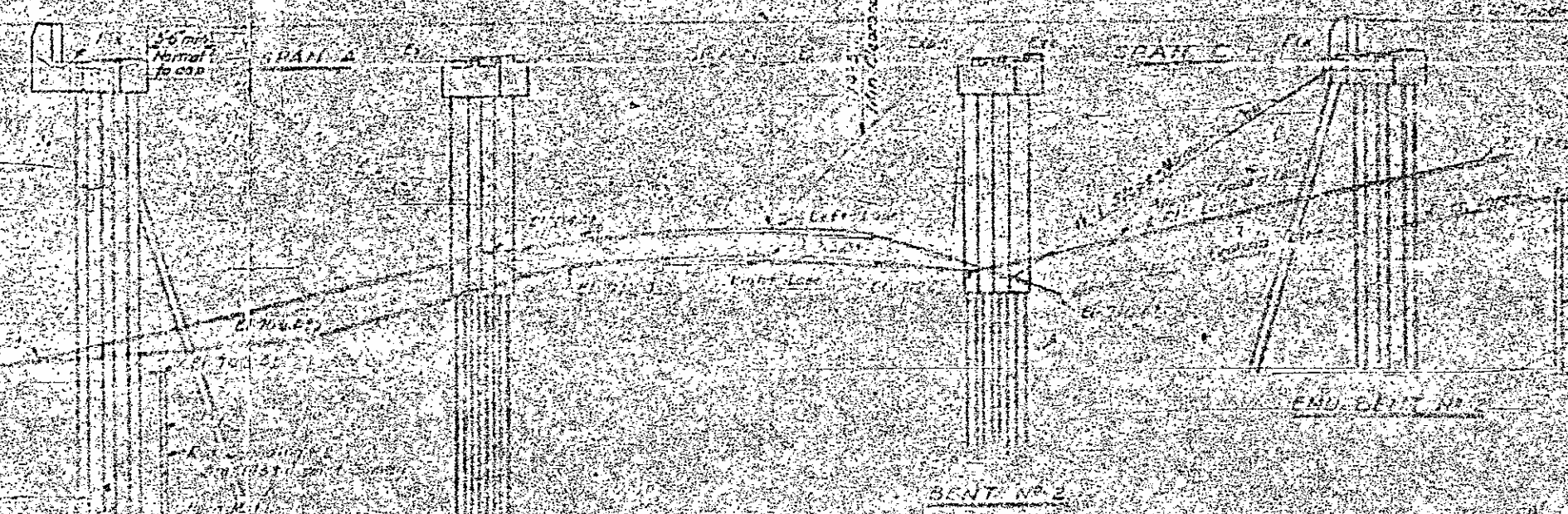




NOTES:
 1. End Bents not to be driven until after Roadway Contractor has paved up to approximately 10' back up on proposed sides. See Special Provisions.
 2. EXCAVATION for End Bent caps, pile measurement, and pile connections will not be paid for as a separate item. The entire cost of this work shall be included in the unit price bid for Class A Concrete.
 3. End Bent Piles to be driven to a minimum bearing capacity of 25 tons each. Bent Piles to be driven to a minimum bearing capacity of 25 tons each.
 4. For Design Data and for items of General Note not shown here, see Sheet 51.
 5. PILE SPLICES: For payment on any necessary pile splices, see Special Provisions.
 6. TEST PILES: The Contractor will be required to drive one test pile 50' long in End Bent No. 1 of the left lane bridge and one 45' long in Bent No. 2 of the right lane bridge. Test piles will be paid for as Steel Piles. See Specifications.
 7. TRAFFIC shall be maintained during the construction of both structures.

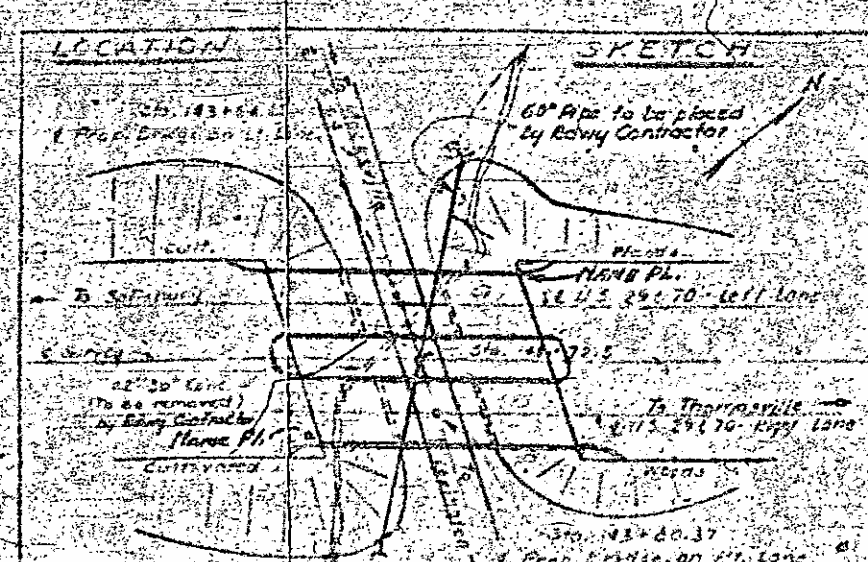
BILL OF MATERIAL - FOR BRIDGE ON LEFT LANE

	Class A Concrete Cu Yds	Reinf. Steel Lbs	Structural Steel Approx Lbs	Method of Steel Approx Lbs	Notes
Superstructure	103.8	23082	69,600	20	
Pile Connection	7.0	396			
End Bent No. 1	11.5	2311			7 512
Bent No. 2	11.5	1766			6 362
End Bent No. 2	11.5	1766			6 362
End Bent No. 2	11.5	2311			7 512
2-Approach Curb	1.9	50			
TOTALS	179.2	31657	69,600	20	23 1275

BILL OF MATERIAL - FOR BRIDGE ON RIGHT LANE

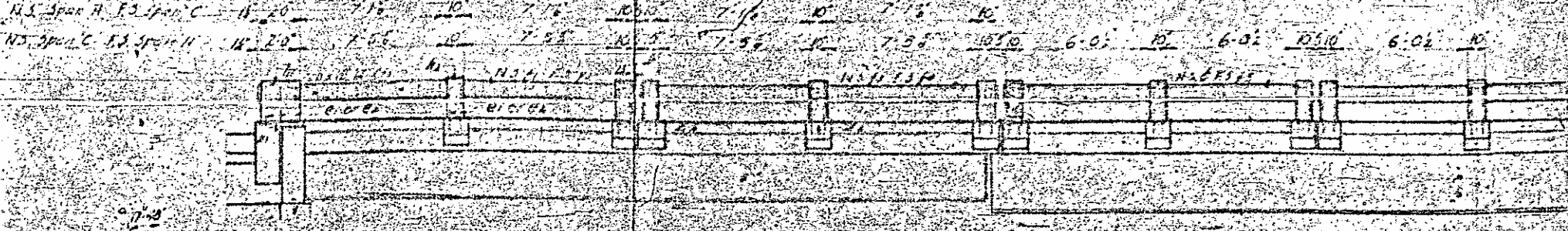
	Class A Concrete Cu Yds	Reinf. Steel Lbs	Structural Steel Approx Lbs	Method of Steel Approx Lbs	Notes
Superstructure	103.8	23082	69,600	20	
Pile Connection	7.0	396			
End Bent No. 1	11.5	2311			7 512
Bent No. 2	11.5	1766			6 362
End Bent No. 2	11.5	1766			6 362
End Bent No. 2	11.5	2311			7 512
2-Approach Curb	1.9	50			
TOTALS	180.9	31660	69,600	20	23 1275

NOTE: NAME PLATES: Two name plates shall be provided and placed as shown on Location Sketch.

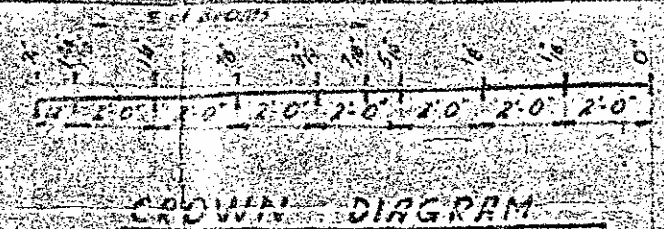


PROJECT NO. 5404
 DAVIDSON COUNTY
 STATION 143+72.5-19
 PART A
 GENERAL DRAWING
 BRIDGES OVER PRESENT U.S. 64
 BETWEEN SALISBURY
 AND THOMASVILLE
 8 OCTOBER 1949

NOTE: Two ply roofing felt shall be placed over joints in expansion joint material. See specifications.

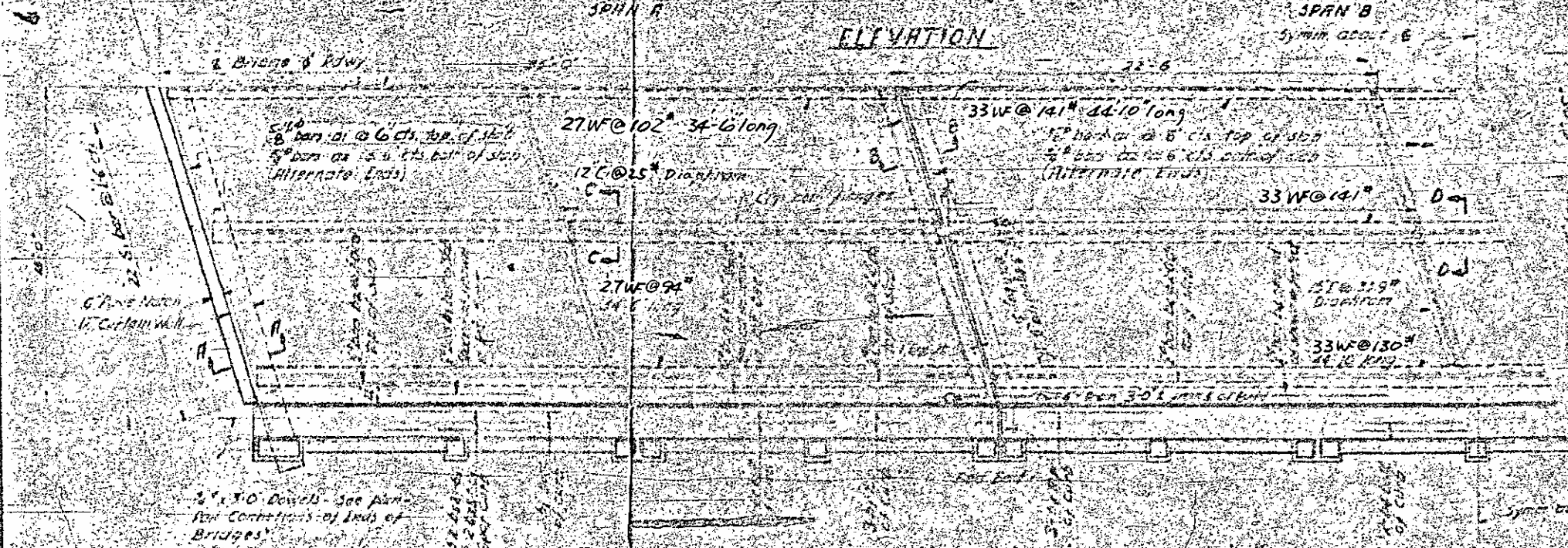


ELEVATION

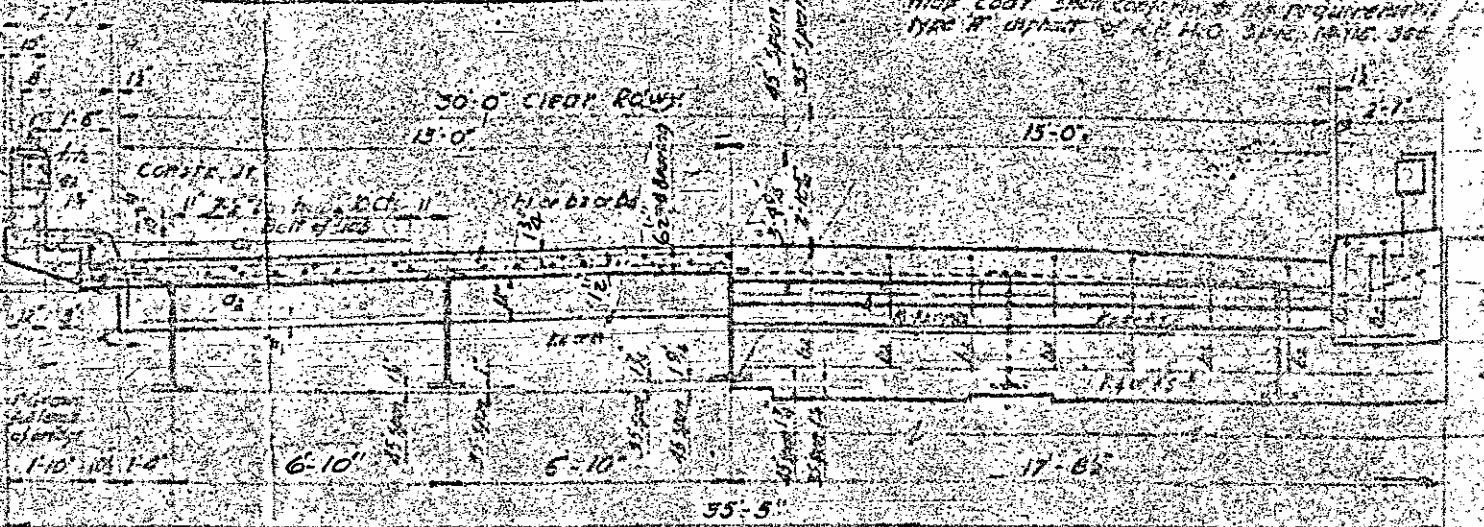


CROWN DIAGRAM

NOTE: Method "A" waterproofing to be placed over the full width of joints in structure and superstructure. Joints in structure to be placed on the same side of the joint in the superstructure. Max coat shall conform to the requirements of the A.C.I. 308.1-1946. See.



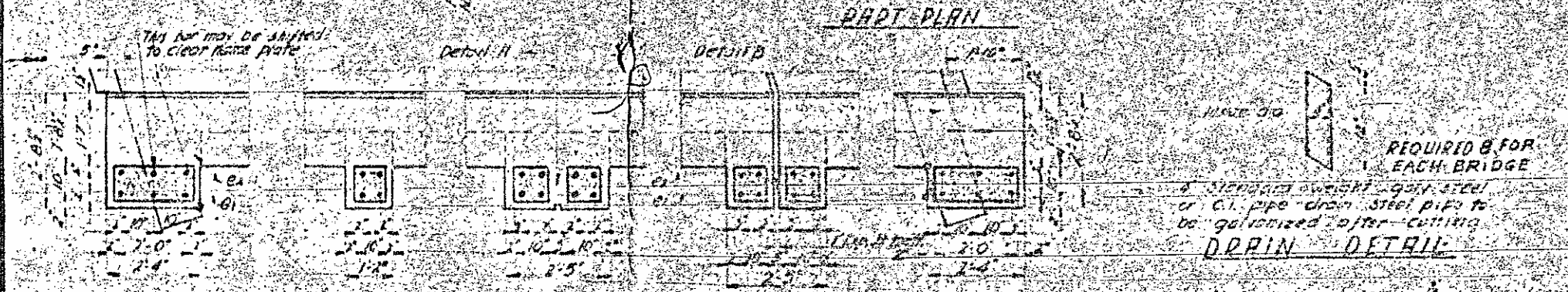
PLAN



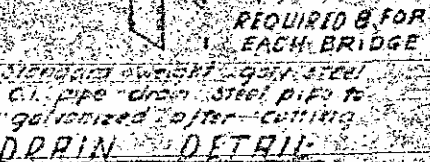
HALF SECTION

HALF END VIEW

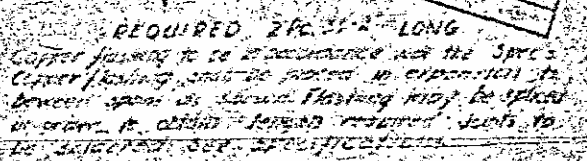
NOTE: All dimensions shown are given in section above and are by Dead Load Deflection. Dimensions of 1/2" between beams shall be increased in comparison for Dead Load Deflection. Max Dead Load Deflection 45' Span = 5" in Beam 3, 5' in Beam 4, 2" in Beam 5. Max Dead Load Deflection 35' Span = 3" in Beam 1, 2" in Beam 2.



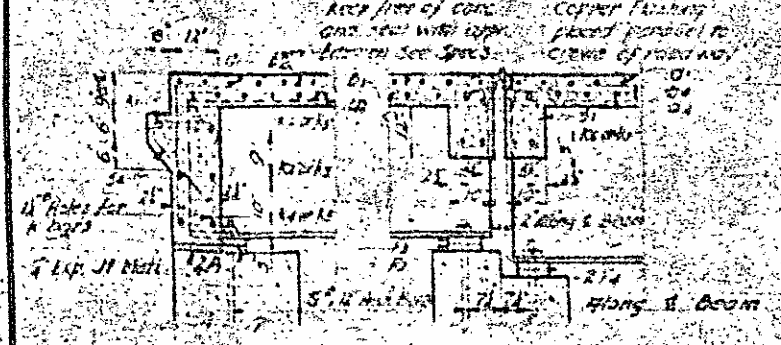
POST DETAILS



DRAIN DETAIL



COPPER FLASHING



SECTION A-A SECTION B-B

DETAIL A

DETAIL B

SECTION THRU BEAM

SECTION C-C SECTION D-D

SECTION E-E

ITEM NO.	SIZE	TYPE	LENGTH	WEIGHT
1	24	1/2"	34	78.40
2	24	1/2"	35	80.16
3	18	1/2"	18-3"	2.17
4	18	1/2"	20-8"	2.14
5	18	1/2"	21-2"	2.17
6	18	1/2"	23-5"	2.18
7	18	1/2"	22-6"	2.16
8	18	1/2"	23-5"	2.18
9	18	1/2"	24-5"	2.20
10	18	1/2"	17-11"	96
11	18	1/2"	18-7"	92
12	18	1/2"	18-3"	90
13	18	1/2"	17-3"	83
14	24	1/2"	18-7"	234
15	4	1/2"	5-3"	8
16	36	1/2"	3-0"	41
17	23-4	1/2"	4-2"	167
18	4	1/2"	17-6"	49
19	6	1/2"	15-6"	72
20	6	1/2"	20-10"	64
21	6	1/2"	18-6"	108
22	4	1/2"	21-7"	130
23	8	1/2"	16-10"	202
24	8	1/2"	20-4"	241
25	36	1/2"	5-10"	246
26	36	1/2"	2-11"	26
27	4	1/2"	8-8"	34
28	36	1/2"	7-0"	218

PROJECT No. 5284

DAVIDSON COUNTY

STATION 143+72.51

PART A

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
RALEIGH

SUPERSTRUCTURE
DETAILS

DEC. 1949

BILL OF MATERIAL FOR ONE CONNECTION				
STA. 137+32				
(2 REQUIRED)				
Bar No.	Size	Length	Weight	
d1	8	3'-0"	36	
e1	16	4'-5"	106	
f1	8	13'-0"	100	
f2	8	14'-0"	110	
h1	8	13'-5"	71	
h2	2	14'-9"	20	
h3	26	2'-9"	11	
h4	4	5'-0"	5	
s1	7	1'-3"	6	
s2	7	2'-3"	9	
Reinf. Steel (lbs.)			376	
Class A Concrete (cu. yd.)			6.7	

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
118	N.C.	5284	52	125
F.R. Proj. No. 603 (3) 8				
F.R. Proj. No. 645 (4)				

BILL OF MATERIAL FOR ONE CONNECTION				
STA. 147+94.35				
(2 REQUIRED)				
Bar No.	Size	Length	Weight	
d1	8	3'-0"	36	
e1	16	4'-5"	106	
f2	8	14'-0"	110	
h1	8	13'-5"	71	
h2	2	14'-9"	20	
h3	26	2'-9"	11	
h4	4	5'-0"	5	
s1	7	1'-3"	6	
s2	7	2'-3"	9	
Reinforcing Steel (lbs.)			381	
Class A Concrete (cu. yd.)			7.0	

PLAN OF CONNECTIONS FOR BRIDGE AT STA. 137+32

PLAN OF CONNECTIONS FOR BRIDGE @ STA. 147+94.35

SECTION A-A



SECTION B-B

END ELEVATION

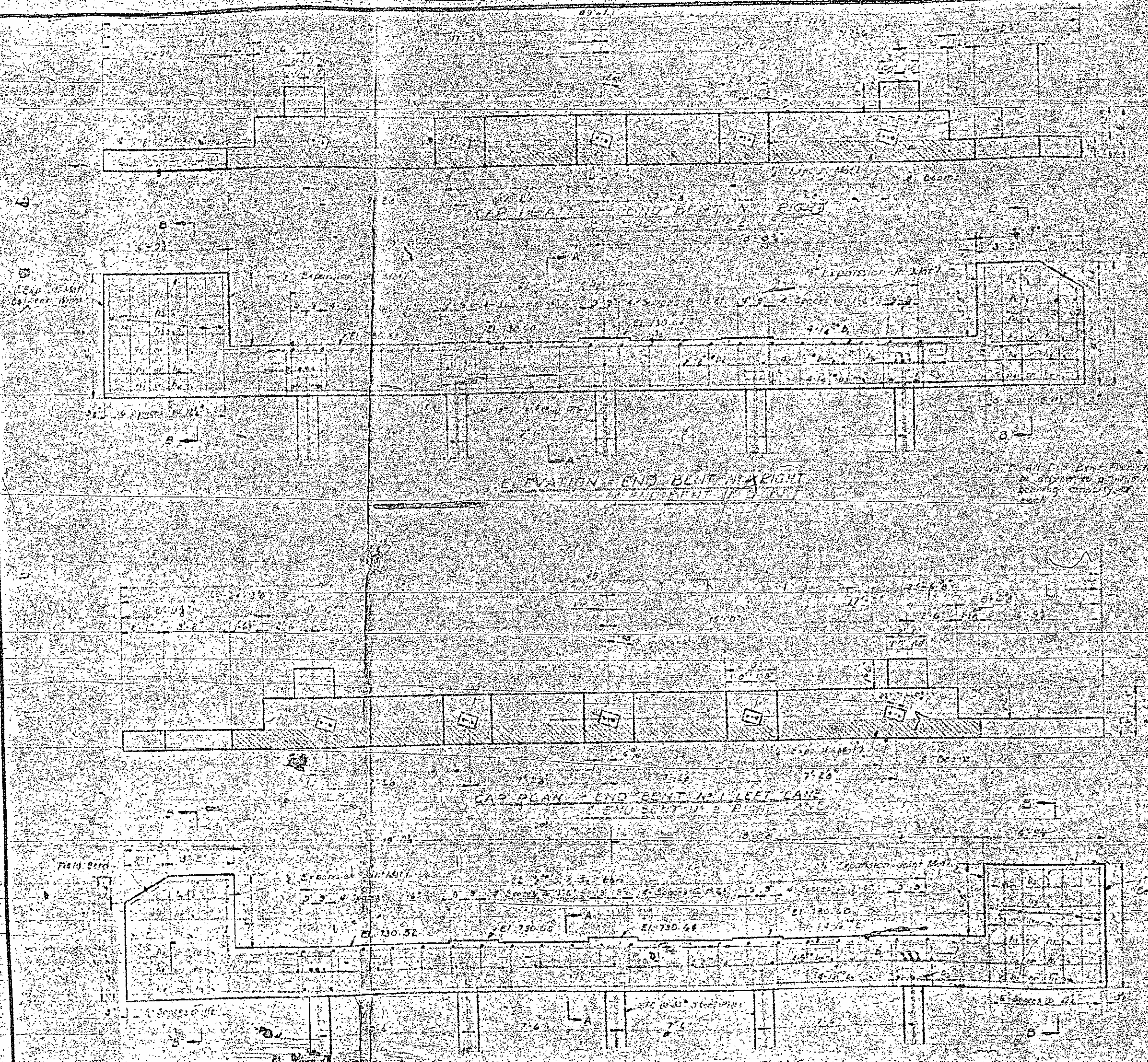
SIDE ELEVATION

PLAN OF CONNECTIONS FOR BRIDGE @ STA. 143+72.5

BILL OF MATERIAL FOR ONE CONNECTION				
Sta. 143+72.5				
(2 REQUIRED)				
Bar No.	Size	Length	Weight	
d1	8	3'-0"	36	
e1	16	4'-5"	106	
f1	8	13'-5"	71	
f2	8	14'-0"	110	
h1	8	13'-5"	71	
h2	2	14'-9"	20	
h3	26	2'-9"	11	
h4	4	5'-0"	5	
s1	7	1'-3"	6	
s2	7	2'-3"	9	
Reinforcing Steel (lbs.)			376	
Class A Concrete (cu. yd.)			7.0	

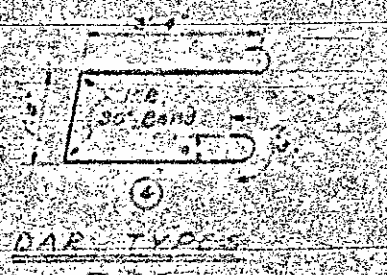
PROJECT No. 5284
DAVIDSON COUNTY
STATION 143+72.5 PART A
147+94.35 PART B
137+32 PART C

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
DAVIDSON
DETAILS OF
RAIL CONNECTIONS
AT END OF BRIDGE
DEC. 1949



BILL OF MATERIAL FOR ONE END BENT

Qty.	Size	Type	Length	Weight
1	12"	1	36.0	78.3
1	12"	2	36.0	92
1	12"	3	36.0	92
1	12"	4	36.0	92
1	12"	5	36.0	92
1	12"	6	36.0	92
1	12"	7	36.0	92
1	12"	8	36.0	92
1	12"	9	36.0	92
1	12"	10	36.0	92
1	12"	11	36.0	92
1	12"	12	36.0	92
1	12"	13	36.0	92
1	12"	14	36.0	92
1	12"	15	36.0	92
1	12"	16	36.0	92
1	12"	17	36.0	92
1	12"	18	36.0	92
1	12"	19	36.0	92
1	12"	20	36.0	92
1	12"	21	36.0	92
1	12"	22	36.0	92
1	12"	23	36.0	92
1	12"	24	36.0	92
1	12"	25	36.0	92
1	12"	26	36.0	92
1	12"	27	36.0	92
1	12"	28	36.0	92
1	12"	29	36.0	92
1	12"	30	36.0	92
1	12"	31	36.0	92
1	12"	32	36.0	92
1	12"	33	36.0	92
1	12"	34	36.0	92
1	12"	35	36.0	92
1	12"	36	36.0	92
1	12"	37	36.0	92
1	12"	38	36.0	92
1	12"	39	36.0	92
1	12"	40	36.0	92
1	12"	41	36.0	92
1	12"	42	36.0	92
1	12"	43	36.0	92
1	12"	44	36.0	92
1	12"	45	36.0	92
1	12"	46	36.0	92
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1	12"	48	36.0	92
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1	12"	79	36.0	92
1	12"	80	36.0	92
1	12"	81	36.0	92
1	12"	82	36.0	92
1	12"	83	36.0	92
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1	12"	88	36.0	92
1	12"	89	36.0	92
1	12"	90	36.0	92
1	12"	91	36.0	92
1	12"	92	36.0	92
1	12"	93	36.0	92
1	12"	94	36.0	92
1	12"	95	36.0	92
1	12"	96	36.0	92
1	12"	97	36.0	92
1	12"	98	36.0	92
1	12"	99	36.0	92
1	12"	100	36.0	92



PROJECT No. 3286
DAVIDSON COUNTY
STATION: 1037.28-5.49

PART A

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
RALEIGH

END BENT NO. 1 RIGHT LANE
AND END BENT NO. 2 LEFT LANE

END BENT NO. 1 LEFT LANE
AND END BENT NO. 2 RIGHT LANE

DECEMBER 1949

SUBMITTED BY: [Signature]
DATE: 12/28/49

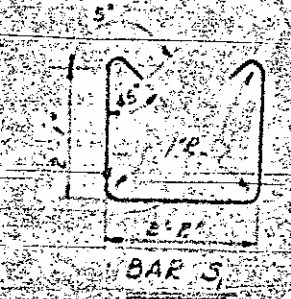
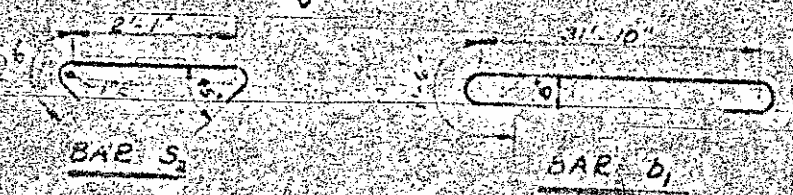
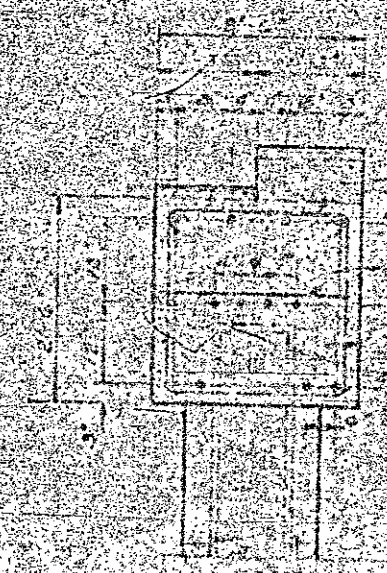
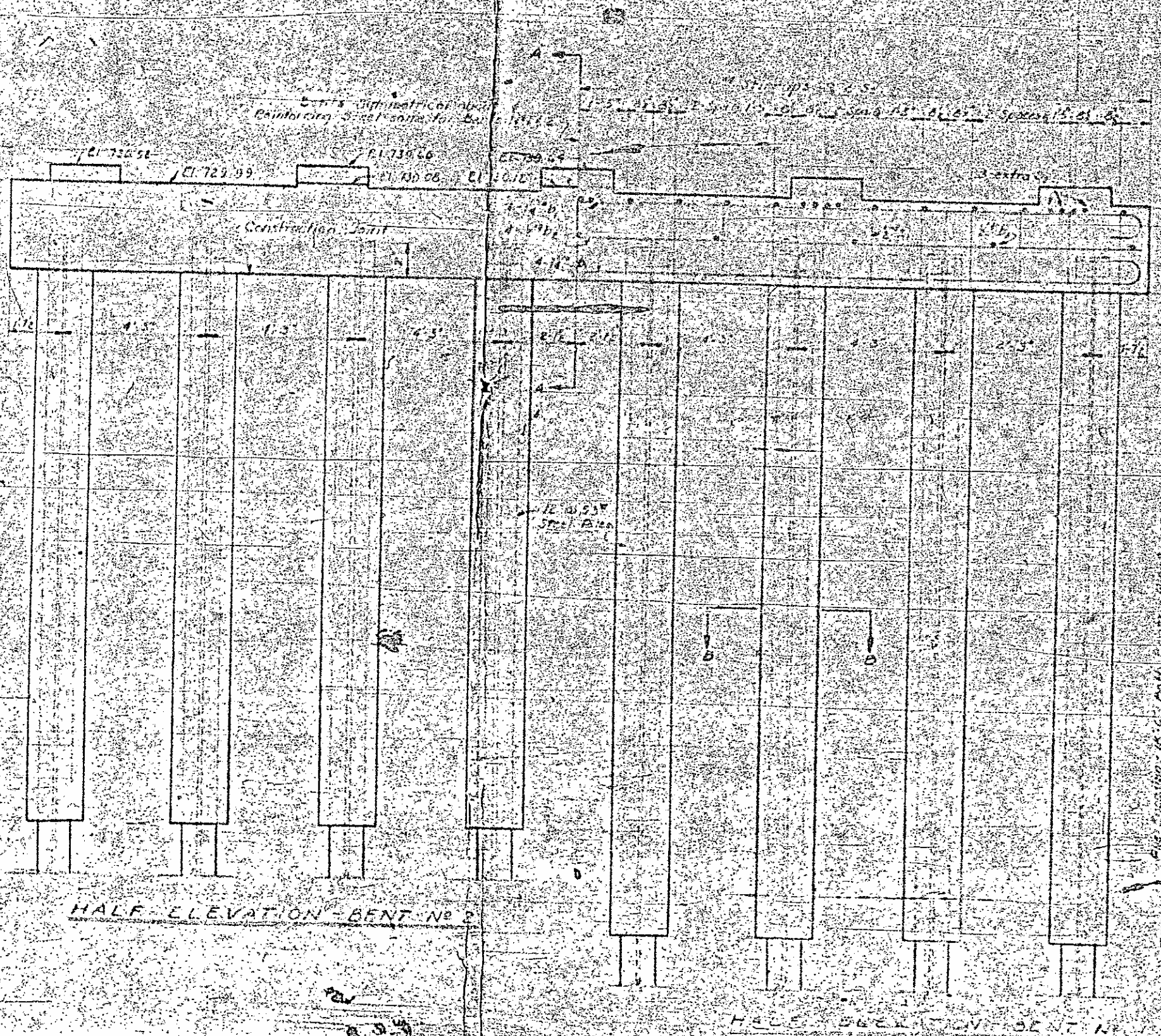
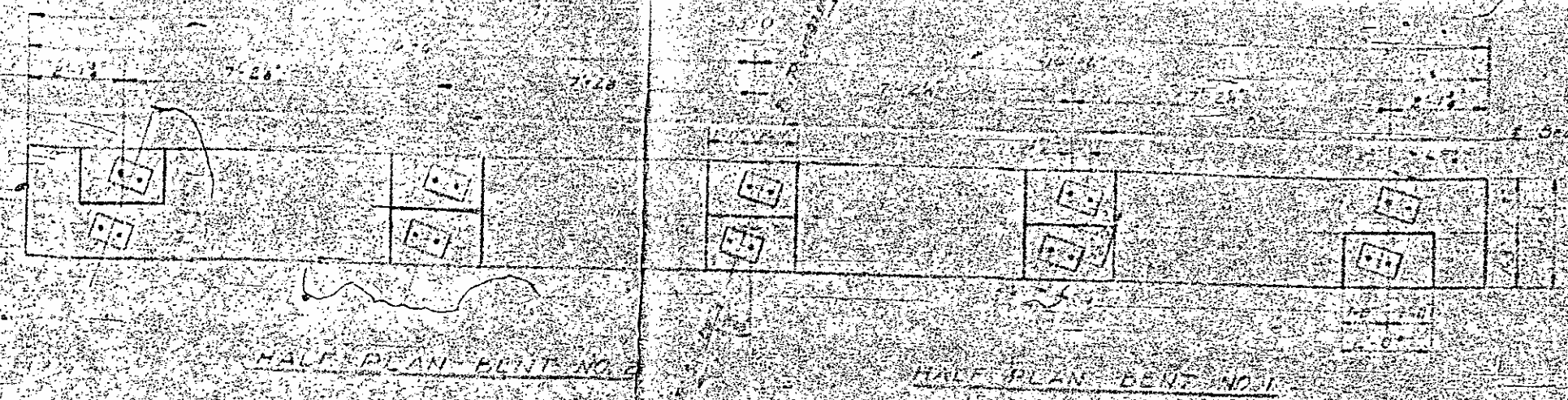
BILL OF MATERIAL

ONE BENT

Bar Size	Length	No.	Weight
6	10' 0"	5	18.1
6	10' 0"	4	18.7
6	10' 0"	3	14
5	7' 6"	23	110
5	8' 11"	35	74

Reinforcing Steel, 12.5
Class A Concrete, 11.2
Class A Concrete, 11.2
8" 12" 5" 3" 1" 1/2"

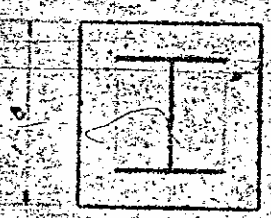
* Concrete displaced by piles has been deducted.



Note: Cast of pile caps complete in place to be included in the unit price bid for 12" 5" 3" steel piles. Pile caps may be obtained from pile cap and each linear foot of pile cap will be paid for as prescribed in the Special Provisions.

PILE CAPS

Note: Cast of pile caps complete in place to be included in the unit price bid for 12" 5" 3" steel piles. Pile caps may be obtained from pile cap and each linear foot of pile cap will be paid for as prescribed in the Special Provisions.



Note: Wire Mesh of Approved Type 12 ga. with 4" 6" openings or 12 ga. with 4" 4" openings. No allowance will be made for wire mesh the entire cost of same shall be included in the unit price bid for 12" 5" 3" steel piles.

PROJECT NO. 5209
DAVIDSON COUNTY
STATION 193 + 72.54

PART A

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
DAVIDSON

BENTS NO. 1 & NO. 2

DECEMBER 1945