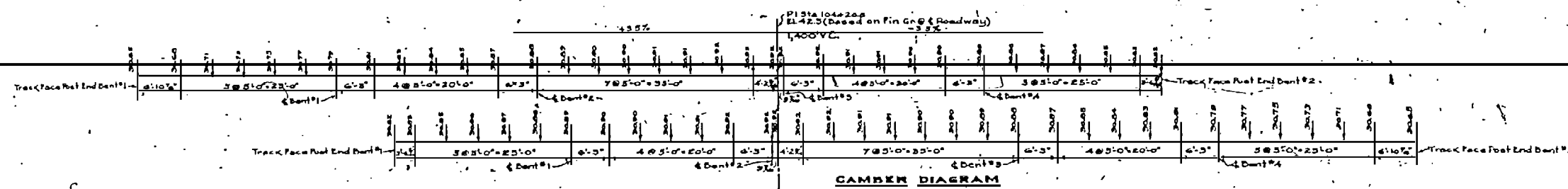


FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N.C.	1022	5	55

Note: This bridge shall be built on a vertical curve. The abutments, curbs, and girders shall conform to the vertical curve. Handrail posts to be built plumb. The elevations shown on the Camber Diagram are for top of curb 16'-0" from & of roadway; the elevations shown do not include any allowance for settlement of individual spans which should be provided for in addition to the elevations given. After the falsework has been removed the finished structure shall have the elevations shown.

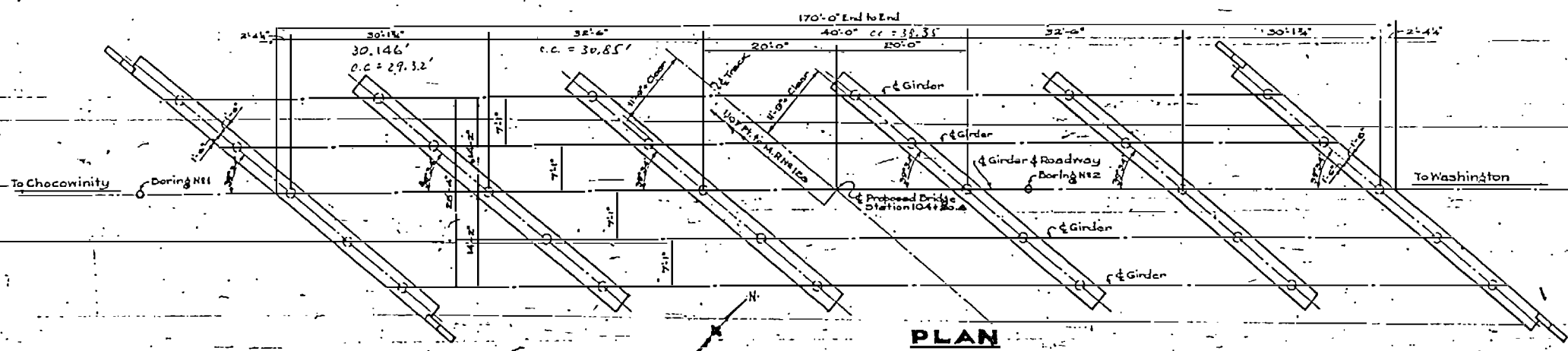
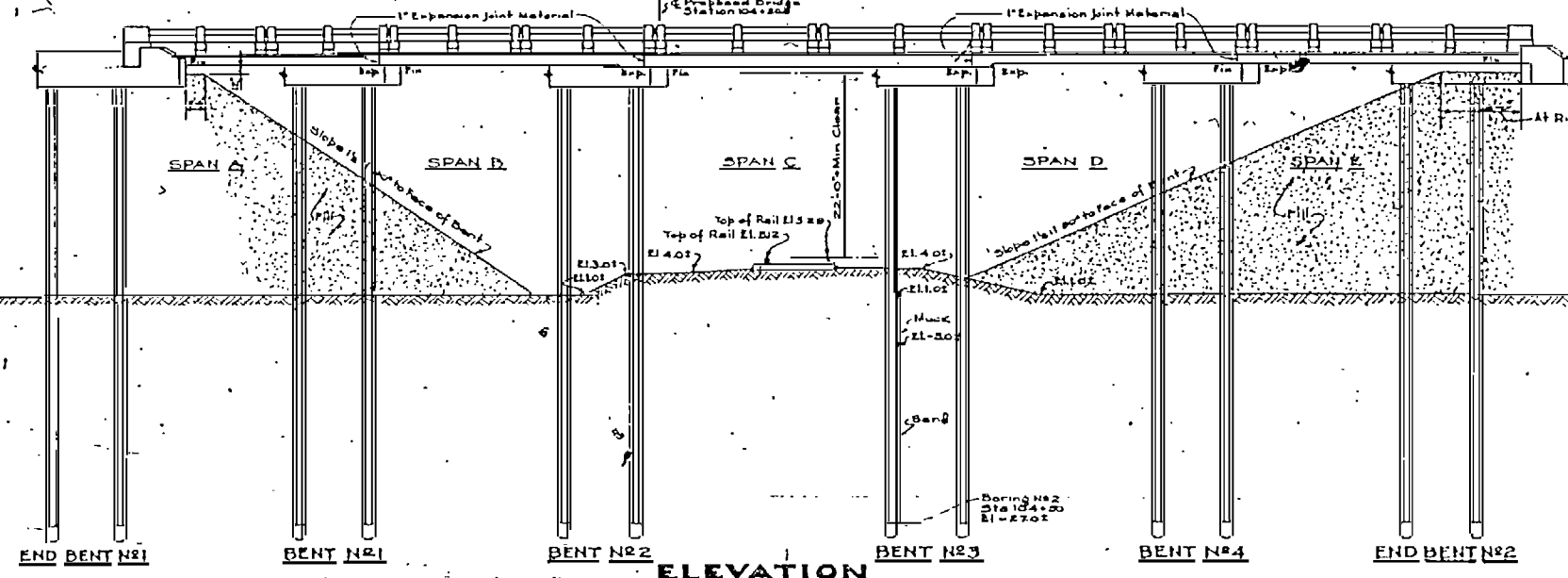


**DESIGN DATA**

Specification	A.A.S.H.O.
Assumed Live Load	See Specifications
Impact Allowance	100 lbs per sq. ft.
Reinforcing Steel in Tension	60 lbs per sq. ft.
Concrete Compression	60 lbs per sq. ft.
Concrete in Shear	60 lbs per sq. ft.
Equivalent Fluid Pressure of Earth	30 lbs per sq. ft.

**GENERAL NOTE**

- CONCRETE:** Class "A" Concrete shall be used throughout. Standard Size No. 3 coarse aggregate shall be used except in handrails, in which Standard Size No. 7 shall be used. Coarse aggregate in precast piles shall consist of crushed stone only. Girders shall be cast in place. Curb to be poured in one continuous operation allowing no time for initial set to take place between them. No construction joints other than those shown on plans will be permitted. All concrete except in handrails shall be compacted by Mechanical Vibration. See Specifications.
- CHAMFER:** All exposed corners of concrete shall be chamfered 1" except on railings & expansion joints. Corners of rails & posts shall be chamfered 3/4". Corners on expansion joints shall be chamfered 3/4".
- REINFORCING STEEL:** All reinforcing steel shall be deformed bars. All dimensions relative to reinforcement are to centers of bars. No splices of bars other than those shown on plans will be permitted. All reinforcing steel shall be securely held in correct position.
- JOINT MATERIAL:** Expansion joint material may be either cork or rubber compound as called for in the Specifications.
- NAME PLATES:** Two name plates shall be placed on the bridge, one on each right hand end post approaching the bridge.
- FOUNDATION DATA:** The excavation & foundation data & all elevations of ground line given are believed to be correct & are furnished for the convenience of Bidders, but the State Highway & Public Works Commission assumes no responsibility for nor guarantees as correct any of the information given. See Specifications.
- PLATES & BOLTS:** All bearing plates & bolts shall be phosphor bronze. See Specifications.
- TRAFFIC:** Highway traffic to be maintained over present route during construction.
- PILES:** Piles in End Bents & Bents adjacent to End Bents shall not be driven until after fill has been placed. See Special Provisions.
- MATERIAL & WORKMANSHIP:** All material & workmanship as per the Specifications of the North Carolina State Highway & Public Works Commission.

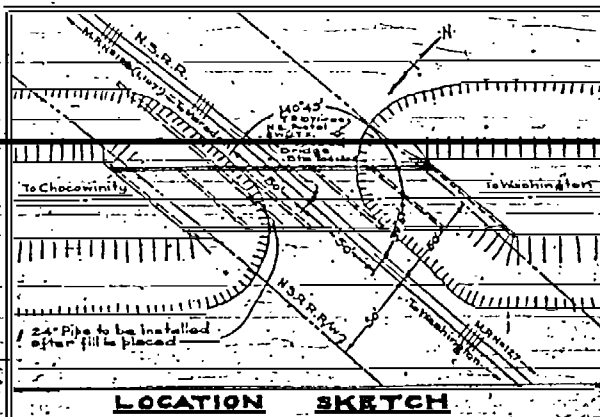


**DIVISION OF CLASS "A" CONCRETE**

Coarse Aggregate Standard Size No. 3 Cu.Yds.	349.9
Coarse Aggregate Standard Size No. 7 Cu.Yds.	0.5
Total Class "A" Concrete Cu.Yds.	350.4

**TOTAL BILL OF MATERIAL**

Item	Class Cu.Yds.	Reinforcing Steel Lbs.	Plates Lbs.	Unloaded Cast-in-place No.	16" Precast Piles		20" Precast Piles	
					No.	Lin. Ft.	No.	Lin. Ft.
SPAN A								
SPAN B								
SPAN C	255.4	60,855						
SPAN D								
SPAN E								
END BENT #1	19.0	2,252			3	275		
BENT #1	16.4	2,264				5	375	
BENT #2	21.4	2,241				5	375	
BENT #3	16.4	2,144				5	375	
BENT #4	16.4	2,264				5	375	
END BENT #2	19.0	2,252				3	275	
PRECAST PILES		43,010						1,100
<b>TOTAL</b>	<b>350.4</b>	<b>714,506</b>	<b>1,000</b>	<b>3</b>	<b>10</b>	<b>110</b>	<b>20</b>	<b>1,100</b>



060003  
BEAUFORT  
Brg #3  
PROJECT NO. 1022  
BEAUFORT COUNTY  
STATION: 104+20.8

STATE OF NORTH CAROLINA  
STATE HIGHWAY AND  
PUBLIC WORKS COMMISSION

**GENERAL PLAN  
OVERHEAD BRIDGE  
N.S.R.**  
(Between Chocowinity & Washington)  
**MARCH 1940**

DESIGNED BY: G.P.H. DATE: March 1940  
CHECKED BY: G.P.H. DATE: March 1940

APPROVED BY: [Signature] STATE HIGHWAY ENGINEER

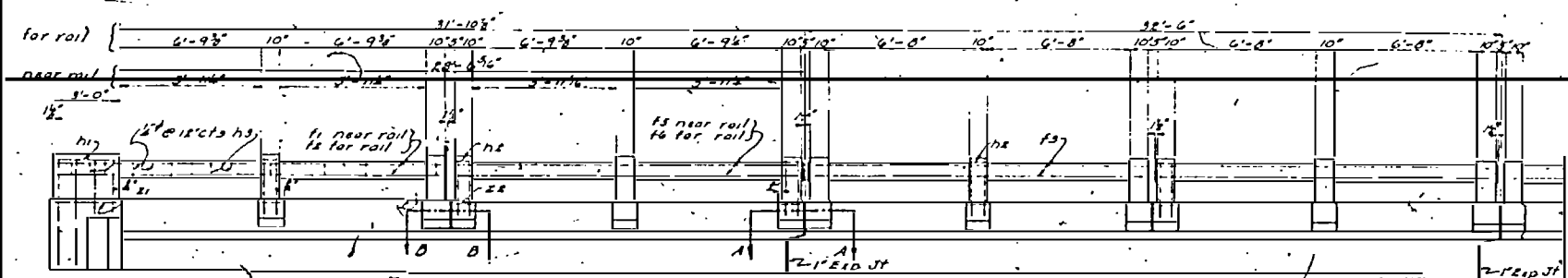
**SPECIAL**

DESIGNED BY: G.P.H. DATE: March 1940  
CHECKED BY: G.P.H. DATE: March 1940

B.M. #7 Nail in side of 18" Gum Tree 107 ft. Lt. 3/4" on South Side of Tree (U.S.C. & G.S. Datum) El. 2.75

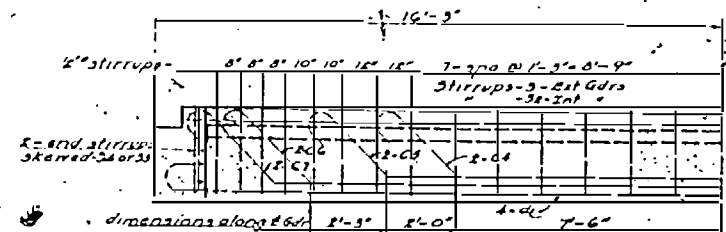
Revised for Aggregate 10-1 to 44.

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N.C.	1022	46	55

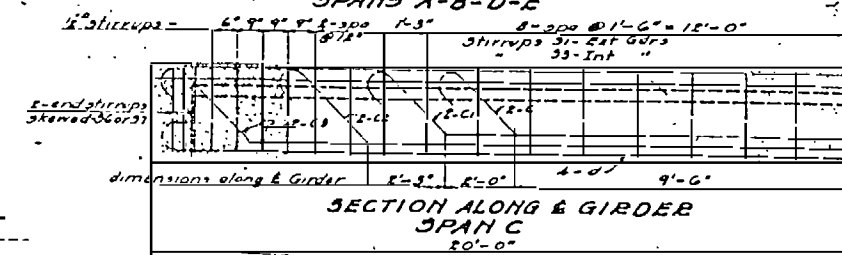


ELEVATION

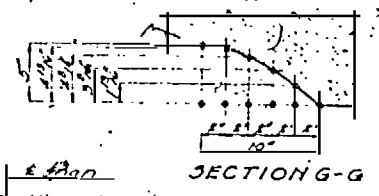
Note: In addition to the Exp. Jt. Mat'l & ply roofing felt shall be placed over all joints in the Expansion Material of all vertical exp. joints below top of curb. The felt shall be placed on the side of the joint adjacent to the pouring.



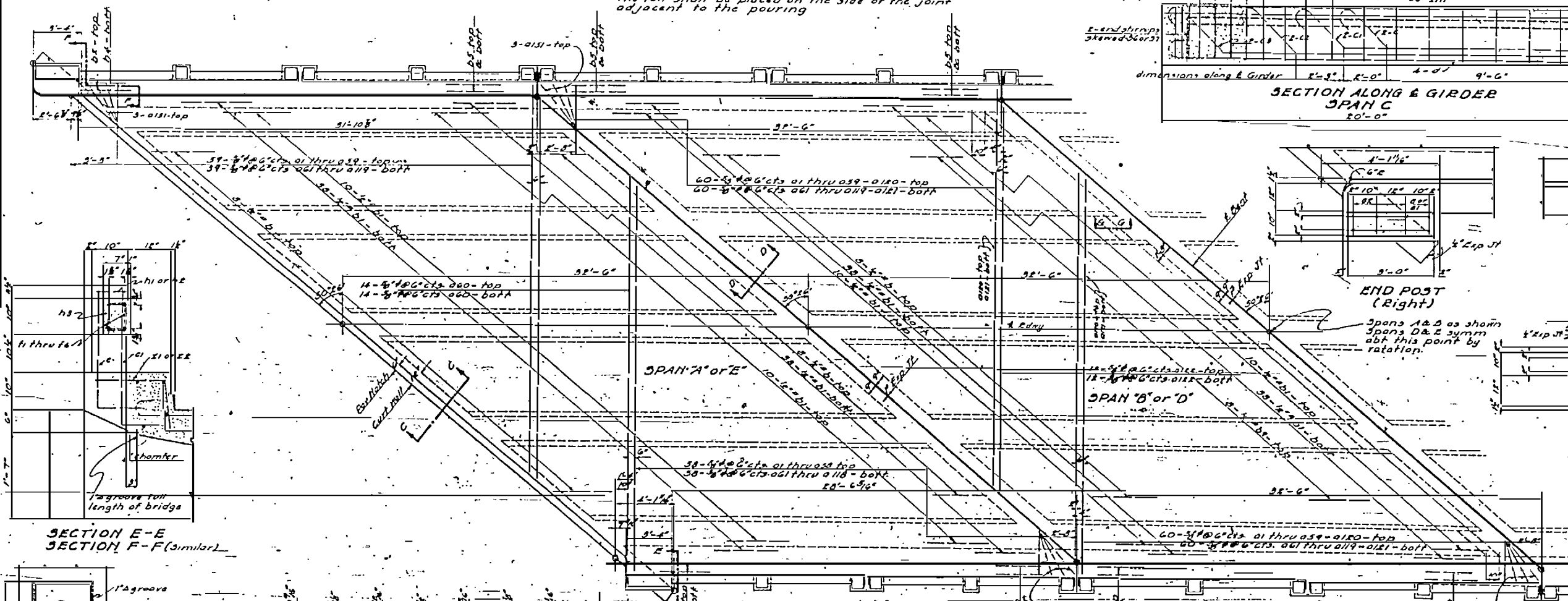
SECTION ALONG & GIRDER SPANS A-B-D-E



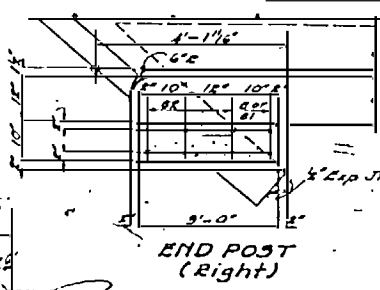
SECTION ALONG & GIRDER SPAN C



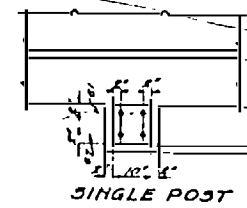
SECTION G-G



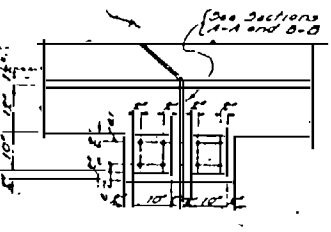
PLAN



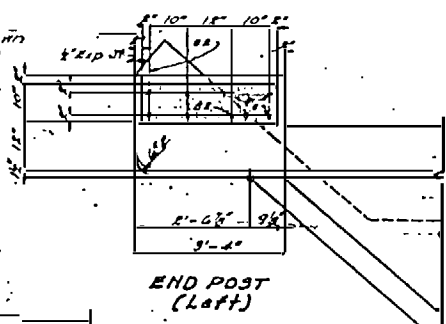
END POST (Right)



SINGLE POST

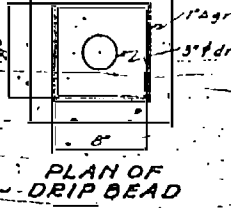


DOUBLE POST

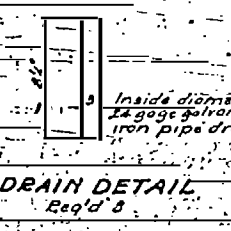


END POST (Left)

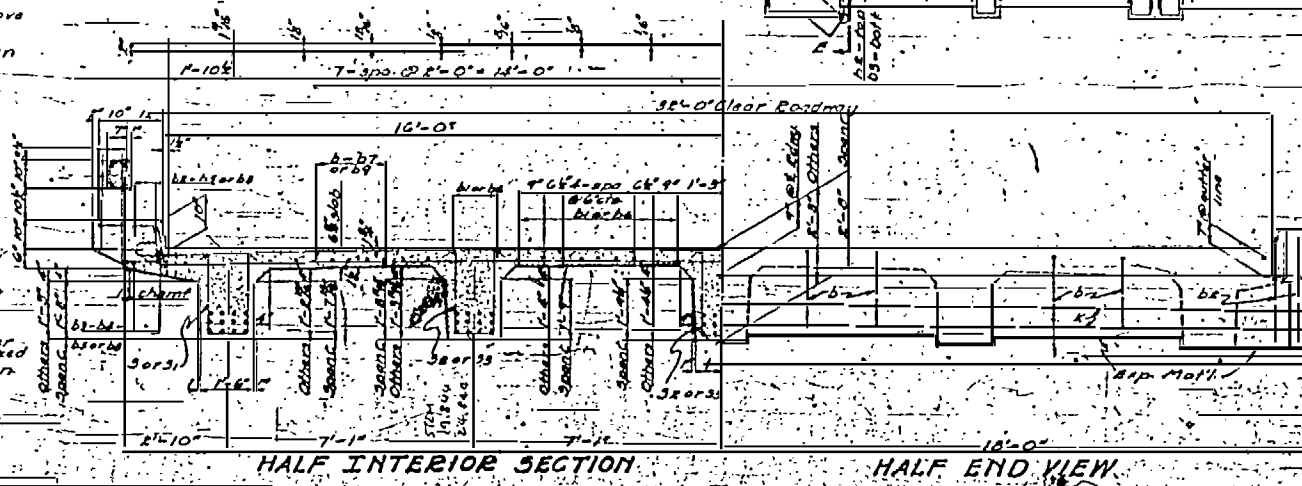
SECTION E-E  
SECTION F-F (similar)



PLAN OF DRIP BEAD



DRAIN DETAIL

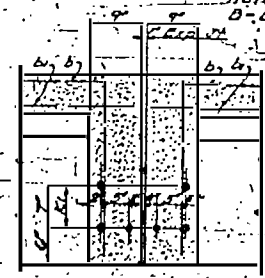


HALF INTERIOR SECTION

HALF END VIEW



SECTION C-C



SECTION D-D

Note: For design data and general notes see general drawing.  
Note: For sections A-A and B-B see next sheet.

PROJECT NO. 1022  
BEAUFORT COUNTY

STATION: 104+20.8

SPANS A-B-D&E

STATE OF NORTH CAROLINA  
STATE HIGHWAY AND  
PUBLIC WORKS COMMISSION  
BALAH  
SUPERSTRUCTURE DETAILS  
FOR  
BRIDGE OVER  
NORFOLK SOUTHERN R.R.  
MARCH 1940

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

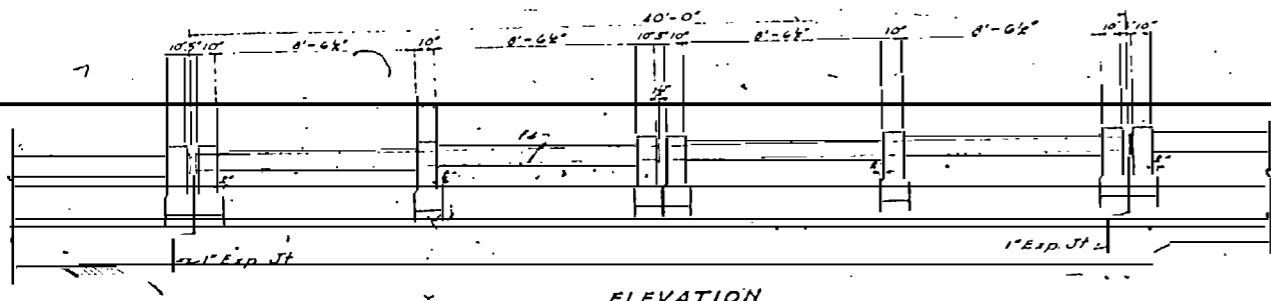
APPROVED BY	DATE
STATE ENGINEER	

PLAN NO. 46

FED. ROAD DIST. NO.	STA.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N. C.	1022	47	55

K.A.G. Crossing Proj. No. F.A.G. 43(D)

Note: All plates and bolts shall be phosphor bronze  
Plane near side of all plates to 1/4". In planing cut  
of tool to lie in direction of arrow.



ELEVATION

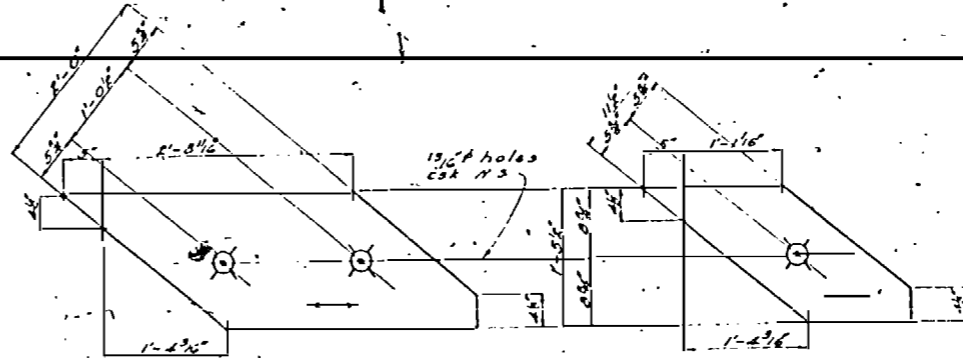
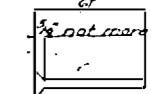
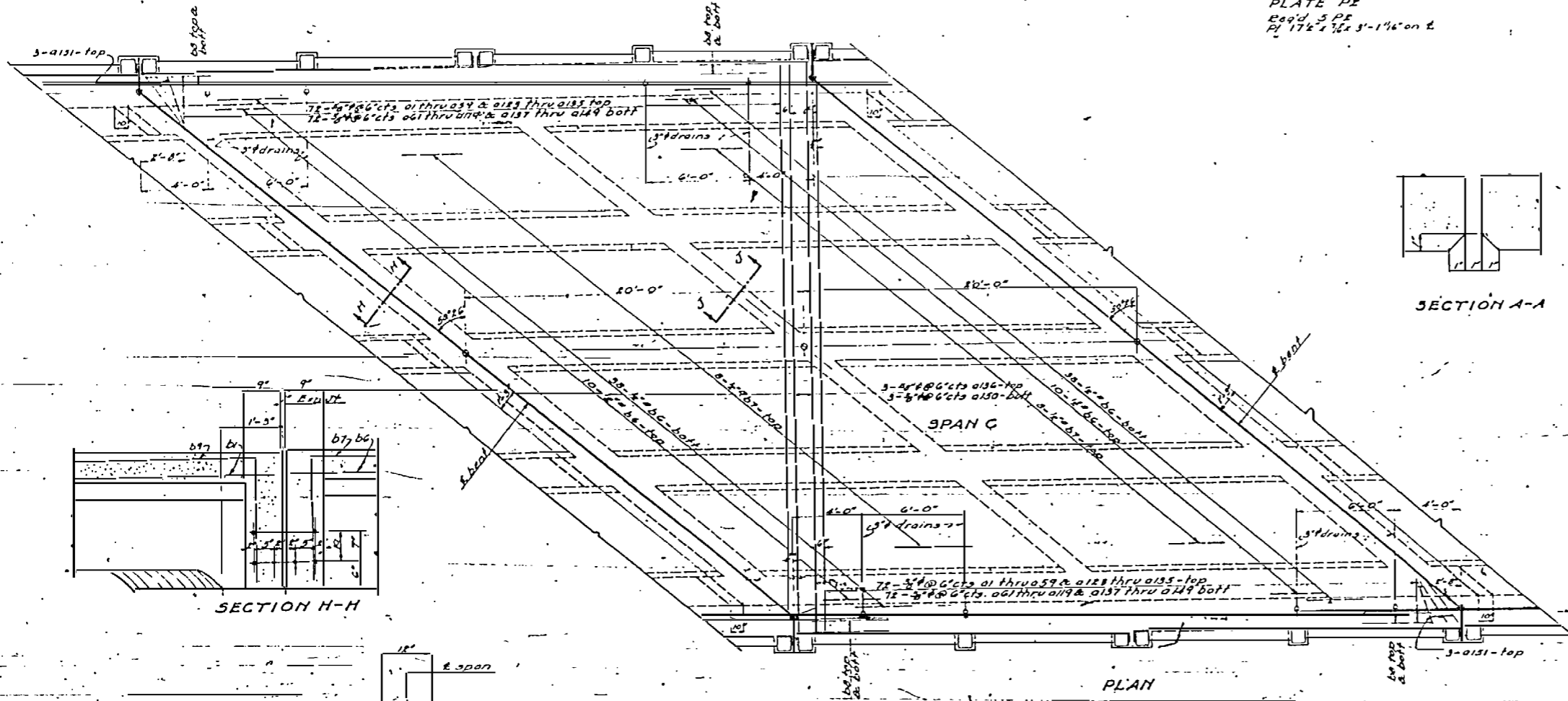


PLATE P2  
Req'd 5 P2  
Pl 17/8 x 1/2 x 3'-1 1/4\"/>

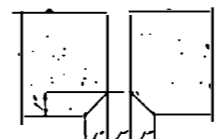
PLATE P18 (As shown)  
PLATE P14 (Opp Hand)  
Req'd 15 P18  
Req'd 25 P14  
Pl 17/8 x 1/2 x 1'-6\"/>



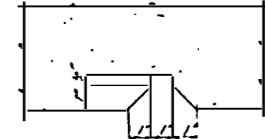
BOLT DETAIL  
Req'd 50



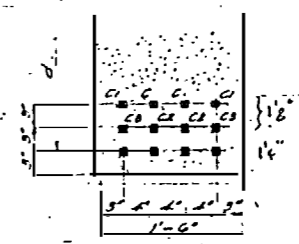
PLAN



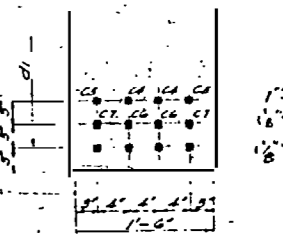
SECTION A-A



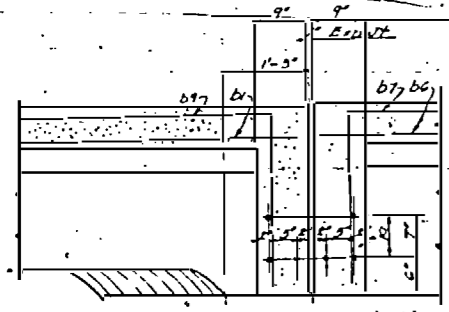
SECTION B-B



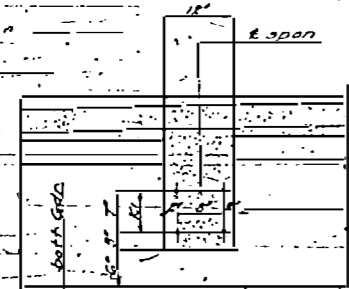
DETAIL OF GIRDER  
(Span C)



DETAIL OF GIRDER  
(Others)



SECTION H-H



SECTION J-J

Note: For typical method of building up  
girders of bridge seats see Detail  
Sheet No. 37

Note: For design data and general note  
see general drawing  
Note: For detail of drains see  
preceding sheet

PROJECT NO. 1022  
BEAUFORT COUNTY  
STATION: 104+20.8  
SPAN C

STATE OF NORTH CAROLINA  
STATE HIGHWAY AND  
PUBLIC WORKS COMMISSION

SUPERSTRUCTURE DETAILS  
FOR  
BRIDGE OVER  
NORFOLK SOUTHERN R.R.  
MARCH 1940

SUBMITTED BY: [Signature]  
APPROVED BY: [Signature]

BRIDGE ENGR.  
STATE HIGHWAY ENGINEER

PLAN NO.

SPECIAL	DESIGNED BY	DATE
	[Signature]	[Date]
DRAWN BY	[Signature]	[Date]
CHECKED BY	[Signature]	[Date]

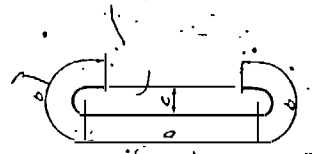
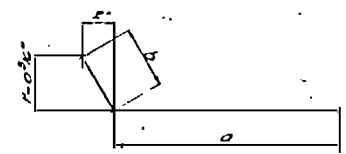
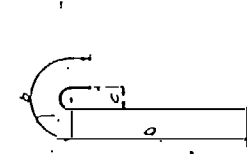
Box for Note - by E.A.T. - by R.P.H. 3-30-40 - U.K.

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N.C.	1022	45	55

For Crossing Proj. No. R.A.G. 43(B)

### BILL OF MATERIAL FIVE SPANS

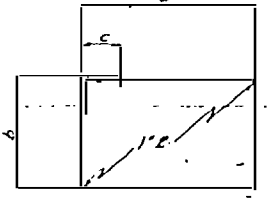
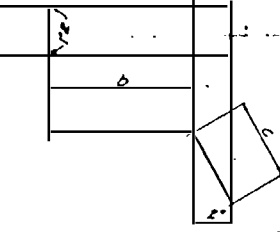
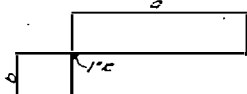
Bar	No. in each span					Total No.	Size	Type	Length	Height	Dimensions			Bar	No. in each span					Total No.	Size	Type	Length	Weight	Dimensions			
	A	B	C	D	E						a	b	c		A	B	C	D	E						a	b	c	
01						10	5/8	1	3'-9"	19	1'-0"	1'-0"	0102	2	2	2	2	2	10	5/8	2	20'-0"	204	19'-04"	1'-04"			



Type 1

Type 2

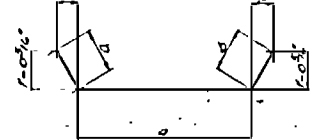
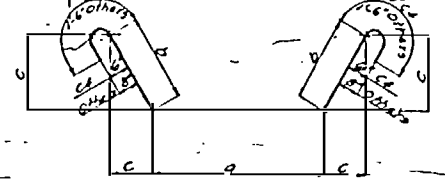
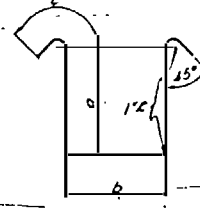
Type 3



Type 4

Type 5

Type 6



Type 7

Type 8

Type 9

**DIVISION OF CLASS A CONCRETE**  
 Standard size No. 7 coarse aggregate - Cu Tds. 9.5  
 Standard 3/4" No. 3 coarse aggregate - Cu Tds. 23.9  
 Total Class A Concrete - Cu Tds. 25.4

PROJECT NO. 1022  
 BEAUFORT COUNTY  
 STATION: 104 + 20.8

STATE OF NORTH CAROLINA  
 STATE HIGHWAY AND  
 PUBLIC WORKS COMMISSION  
 SUPERSTRUCTURE DETAILS  
 FOR  
 BRIDGE OVER  
 NORFOLK SOUTHERN R.R.  
 MARCH 1940

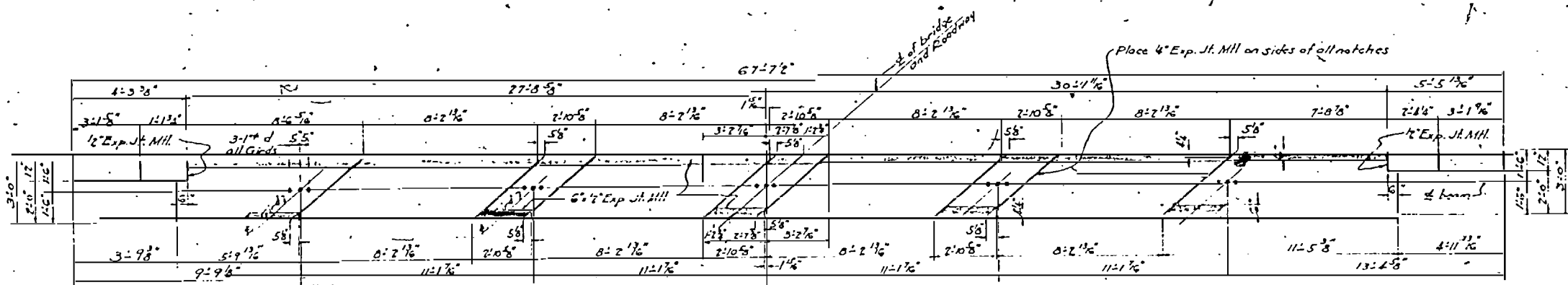
Note: For design data and general notes see general drawing.

**SPECIAL**

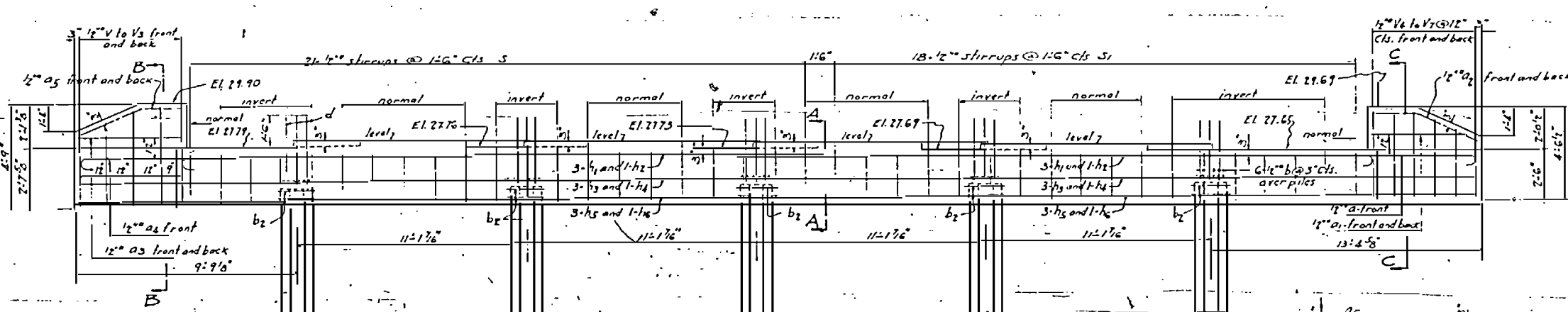
DESIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N.C.	1022	49	55

F.O. Gr. Crossing Proj. No. F.A.G. 43(2)



PLAN OF BEAM



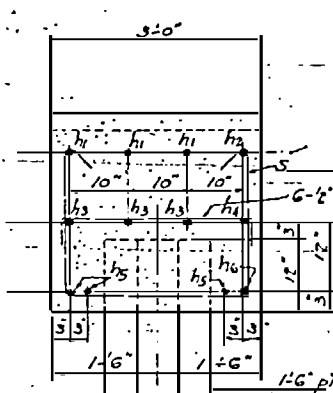
ELEVATION  
LOOKING SOUTH WEST E.B. NO. 1  
LOOKING NORTHEAST E.B. NO. 2

Note: Piles shall be driven to a Min. bearing capacity of 25 tons each.

END BENT NO. 1 OR 2

Bar	No	Size	Length	Weight
a	3	1/2"	7'0"	18
a1	2	1/2"	4'6"	7
a2	2	1/2"	5'6"	9
a3	2	1/2"	5'9"	6
a4	3	1/2"	5'9"	15
b	30	1/2"	3'10"	98
b1	10	1/2"	8'0"	68
c	10	1/2"	9'0"	120
d	2	1/2"	4'5"	7
h1	6	1"	3'2'4"	660
h2	2	1"	3'6'3"	246
h3	2	3/4"	3'2'6"	281
h4	2	3/4"	3'5'6"	107
h5	6	1"	3'1'6"	643
h6	2	1"	3'5'6"	241
s	21	1/2"	7'8"	137
s1	18	1/2"	7'6"	115
v	4	1/2"	4'6"	15
v1	2	1/2"	4'0"	7
v2	2	1/2"	3'6"	6
v3	2	1/2"	3'2"	5
v4	6	1/2"	4'3"	22
v5	2	1/2"	3'9"	6
v6	2	1/2"	3'5"	5
v7	2	1/2"	2'11"	5

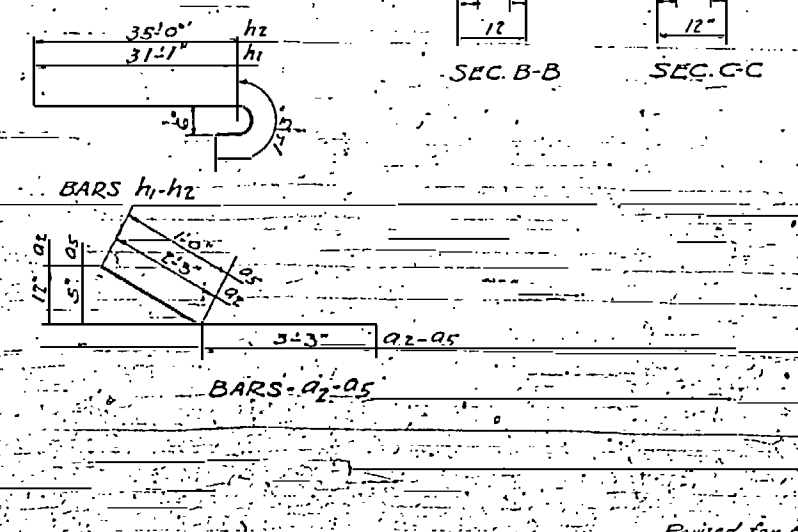
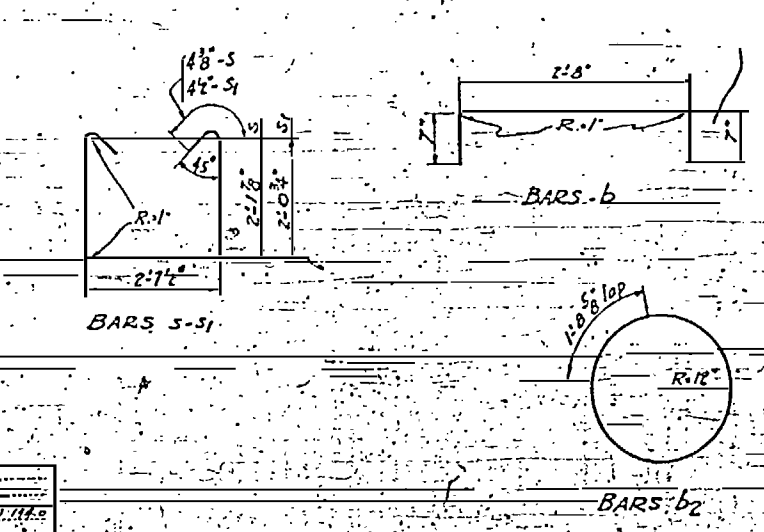
Reinforcing steel Lbs. 2857  
Concrete Class A Cu-Yds. 17.0  
18" P.C. Piles No. 5  
Approx. Lin Ft. 18" P.C. Piles 27.5



Note: Volume of concrete displaced by piles has been deducted. The portion of pile extending into cap shall be thoroughly roughened, cleaned of loose material and wetted previous to pouring concrete. See Specs.

For Design Data and General Note see General Plan For details of 18" P.C. piles see sheet No.

PROJECT NO. 1022  
BEAUFORT COUNTY  
STA. 104 + 20.8



SPECIAL	DESIGNED BY	DATE
	DRAWN BY	DATE
	CHECKED BY	DATE

STATE OF NORTH CAROLINA  
STATE HIGHWAY AND  
PUBLIC WORKS COMMISSION

DETAIL OF END BENTS  
FOR BRIDGE OVER  
NORFOLK-SOUTHERN R.R.

MARCH 1940

APPROVED BY: [Signature]  
STATE HIGHWAY ENGINEER

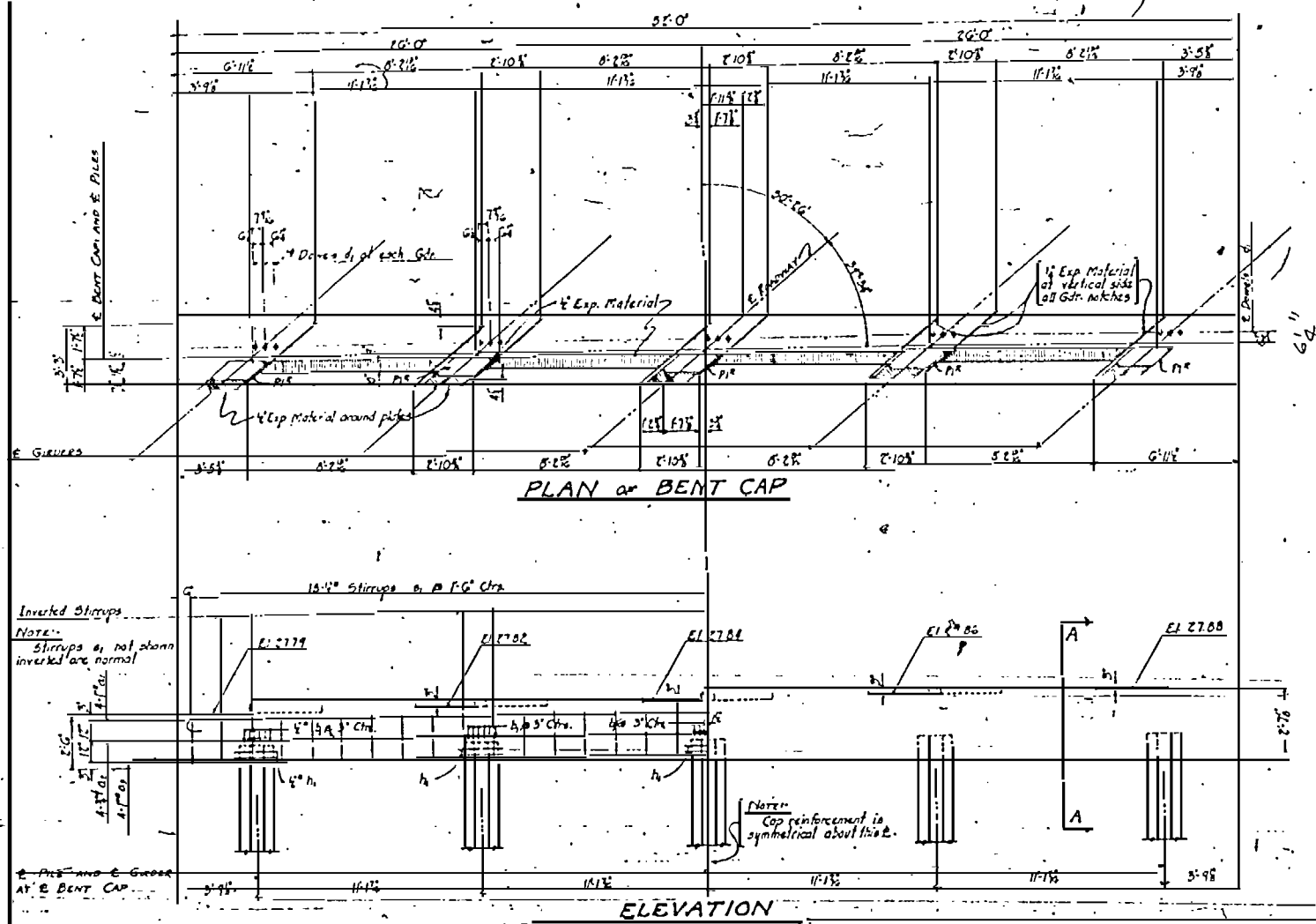
PLAN NO.

Revised for Elevations 5/30/40 A.W.W. U.P.N.



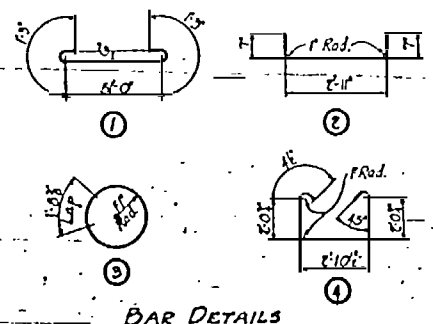
FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N. C.	1022	50	53

PA Gr. Crossing No. P. A. G. H. 4503

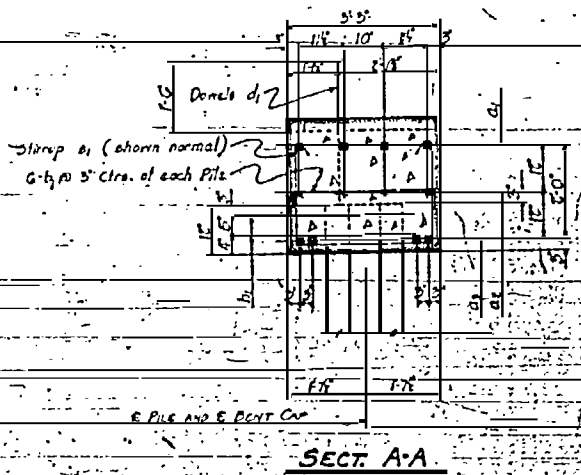


**BILL OF MATERIAL FOR ONE BENT (BENT #1 OR #4)**

BAR	NO.	SIZE	DETAIL	LENGTH	WEIGHT
a <sub>1</sub>	4	1"	1	53'-6"	720
a <sub>2</sub>	4	3/4"	Straight	51'-6"	309
a <sub>3</sub>	4	1"	"	51'-6"	700
b	10	1/2"	"	4'-1"	104
d	15	1/2"	Straight	5'-0"	110
h	10	1/2"	"	8'-6"	72
s	25	"	4	7'-9"	231
<b>REINFORCING STEEL, Lbs.</b>					<b>2264</b>
<b>CLASS 'A' CONCRETE, Cu. Yds.</b>					<b>16.6</b>
<b>20' P.C. CONC. PILES, No.</b>					<b>5</b>
<b>20' P.C. CONC. PILES, Approx. Lin. Ft.</b>					<b>275</b>



**NOTE-**  
 Piles shall be driven to a minimum bearing capacity of 40 tons.  
 That portion of precast concrete pile which extends into bent cap shall be thoroughly roughened, cleaned of loose material and wetted immediately before the cap is poured see Specifications.  
 The volume of concrete displaced by pile heads in the bent cap has been deducted in the bid quantity of Class 'A' Concrete.  
 For detail of 20' Precast Concrete Piles see supplementary sheet.  
 For Design Data and General Note see General Plan.



PROJECT NO. 1022  
 BEAUFORT COUNTY  
 STATION: 104+20.8  
 BENT #1 OR #4

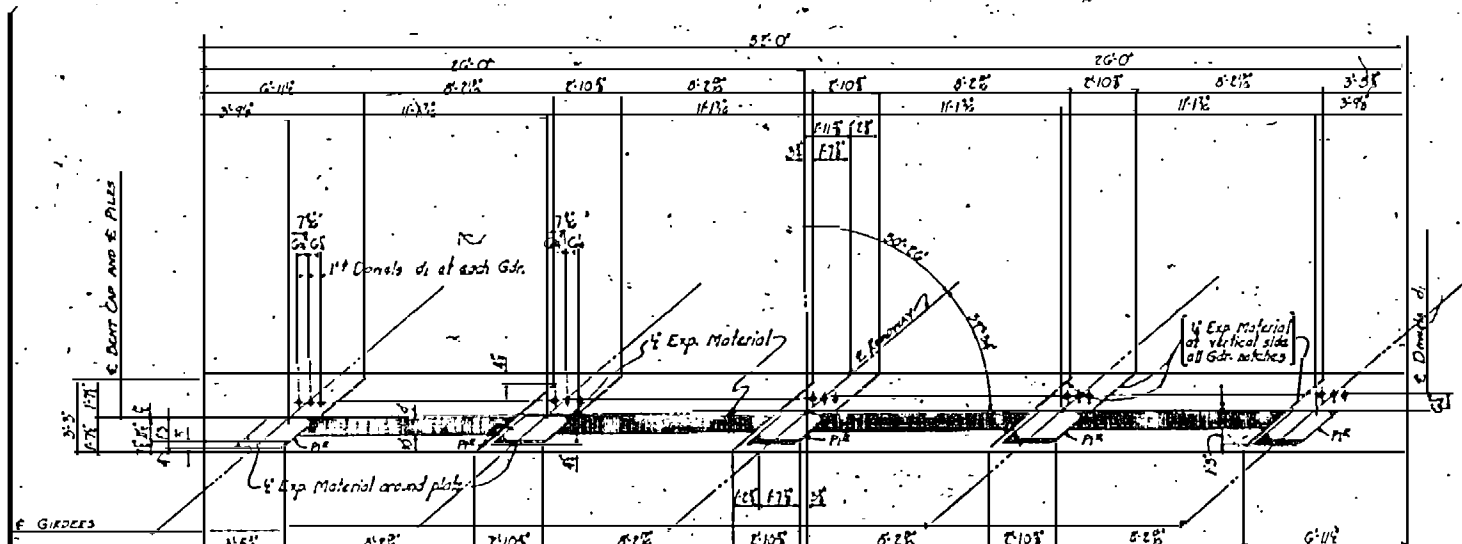
STATE OF NORTH CAROLINA  
 STATE HIGHWAY AND  
 PUBLIC WORKS COMMISSION  
 BALCON  
 SUBSTRUCTURE DETAILS  
 FOR  
 OVERHEAD BRIDGE  
 OVER  
 NORFOLK SOUTHERN RAILROAD  
 MARCH 1940

DESIGNED BY	W. W. ANDERSON	DATE	MARCH 1940
CHECKED BY	W. W. ANDERSON	DATE	MARCH 1940
APPROVED BY	W. W. ANDERSON	DATE	MARCH 1940
STANDARD	W. W. ANDERSON	DATE	MARCH 1940

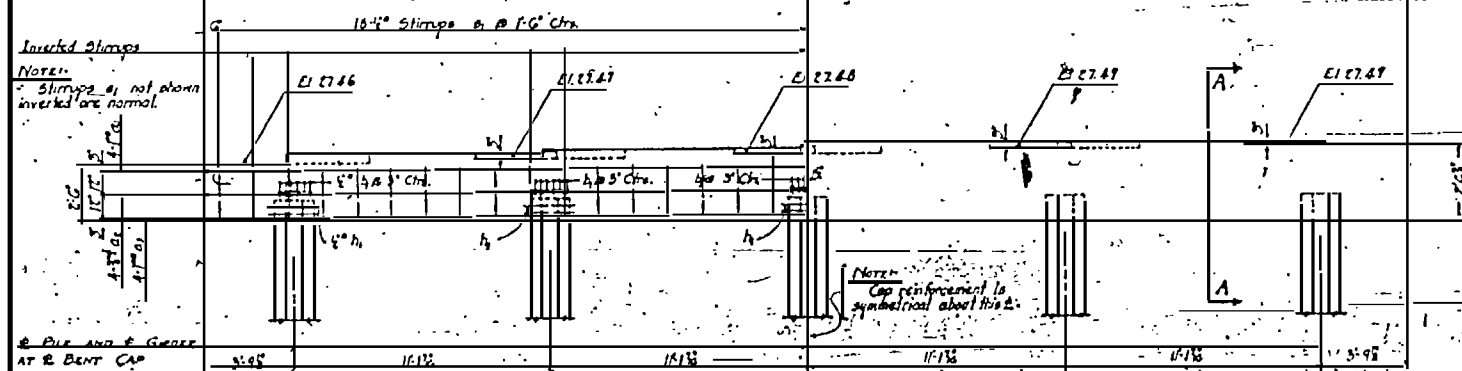
REVISION FOR ELEVATIONS 5/30/40 J.W.W. P.V.K.  
 SPECIAL STA 1022-B1

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N. C.	1022	57	63

FA Gr. Crossing Proj. 16 FA 571 43D



PLAN OF BENT CAP

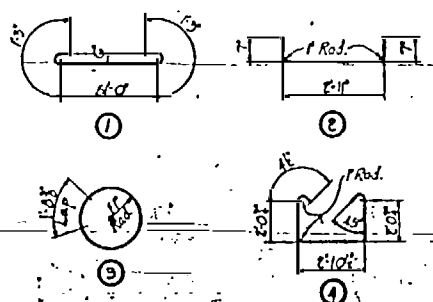


ELEVATION  
(Looking East)

**BILL OF MATERIAL FOR ONE BENT (BENT #2)**

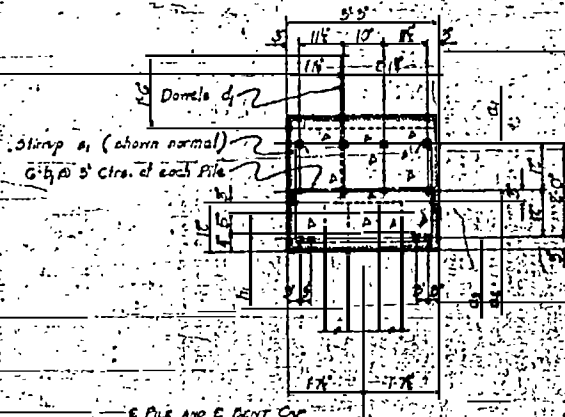
BAR No.	SIZE	DETAIL	LENGTH	WEIGHT
a <sub>1</sub>	4	1"	55'-6"	728
a <sub>2</sub>	4	3/4"	51'-6"	309
a <sub>3</sub>	4	1"	51'-6"	700
b	20	1/2"	4'-0"	104
c	15	1/2"	5'-0"	120
d	10	1/2"	8'-6"	72
e	35	1"	7'-9"	231

REINFORCING STEEL, Lbs. 2264  
 CLASS 'A' CONCRETE, Cu Yds 164  
 20" P.C. CONC. PILES, No. 5  
 20" P.C. CONC. PILES, APPROX. LIN. FT. 575



BAR-DETAILS

**NOTE:**  
 Piles shall be driven to a minimum bearing capacity of 40 tons.  
 That portion of precast concrete pile which extends into bent cap shall be thoroughly rough-sawed, cleared of loose material and wetted immediately before the cap is poured, see Specifications.  
 The volume of concrete displaced by pile heads in the bent cap has been deducted in the billed quantity of Class 'A' Concrete.  
 For detail of 20" Precast Concrete Piles, see supplementary sheet.  
 For Design Data and General Note see General Plan.



SECT. A-A

PROJECT NO. 1022  
 BEAUFORT COUNTY  
 STATION: 104+20.8  
 BENT #2

STATE OF NORTH CAROLINA  
 STATE HIGHWAY AND  
 PUBLIC WORKS COMMISSION  
 SUBSTRUCTURE DETAILS  
 FOR  
 OVERHEAD BRIDGE  
 OVER  
 NORFOLK SOUTHERN RAILROAD  
 MARCH, 1960

SPECIAL	Approved by: [Signature]	Date: March 10, 1960
STANDARD	Checked by: [Signature]	Date: March 10, 1960

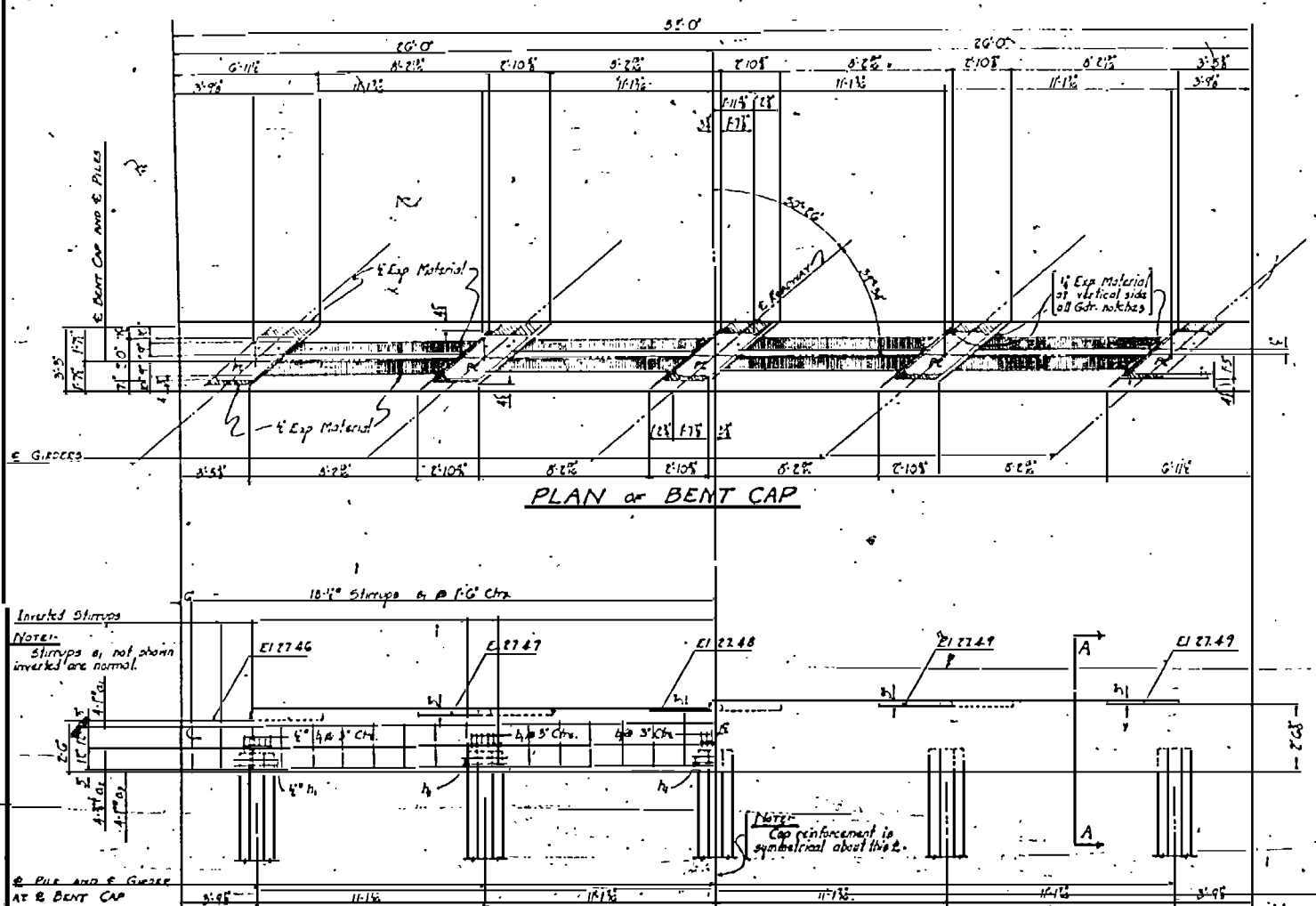
Revised for Clearance Study 9/11/60

APPROVED BY: [Signature]  
 STATE HIGHWAY AND PUBLIC WORKS COMMISSION

SPECIAL STA. 1022-B1

PER. DATE	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N. C.	1022	52	55

FAGI Crossing Proj. No. FAGI 43(3)



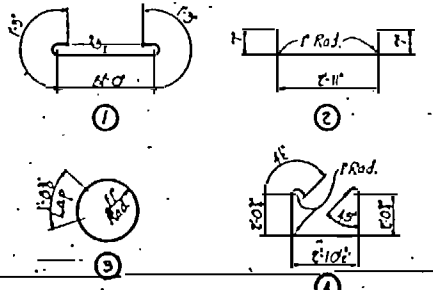
PLAN OF BENT CAP

ELEVATION  
(LOOKING WEST)

**BILL OF MATERIAL FOR ONE BENT (BENT #3)**

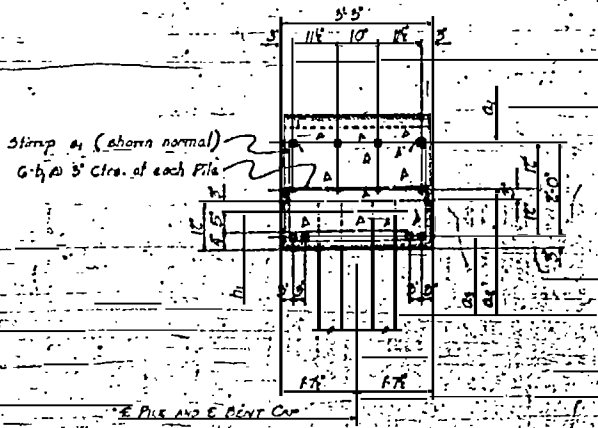
BAR	No.	SIZE	DETAIL	LENGTH	WEIGHT
a <sub>1</sub>	4	1"Ø	1	55'-6"	728
a <sub>2</sub>	4	1"Ø	Straight	51'-6"	597
a <sub>3</sub>	4	1"Ø	1	51'-6"	700
b <sub>1</sub>	30	1/2"Ø	2	4'-1"	104
b <sub>2</sub>	10	1/2"Ø	3	8'-6"	72
b <sub>3</sub>	35	1/2"Ø	4	7'-9"	321

REINFORCING STEEL, Lbs. 2144  
 CLASS II CONCRETE, Cu Yds. 16.4  
 20" P.C. PILES, No. 5  
 20" P.C. CONC. PILES, APPROX. LIN. FT. 275



BAR DETAILS

**NOTE:**  
 Piles shall be driven to a minimum bearing capacity of 40 tons.  
 That portion of precast concrete pile which extends into bent cap shall be thoroughly roughened, cleaned of loose material and wetted immediately before the cap is poured - see Specifications.  
 The volume of concrete displaced by pile heads in the bent cap has been deducted in the billed quantity of Class II Concrete.  
 For detail of 20" Precast Concrete Piles see supplementary sheet.  
 For Design Data and General Note see General Plan.



SECT. A-A

PROJECT NO. 1022  
 BEAUFORT COUNTY  
 STATION 104+20.8  
 BENT #3

STATE OF NORTH CAROLINA  
 STATE HIGHWAY AND  
 PUBLIC WORKS COMMISSION  
 SUBSTRUCTURE DETAILS  
 FOR  
 OVERHEAD BRIDGE  
 OVER  
 NORFOLK SOUTHERN RAILROAD  
 MARCH 1940

SPECIAL	APPROVED BY	DATE
	March 30	
STANDARD	DESIGNED BY	DATE
	March 30	

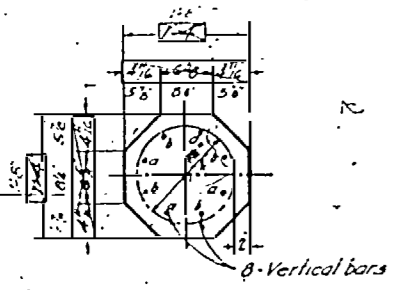
APPROVED BY	DATE	PLANT NO.
March 30		

Ref. for Elevations - See General Plan

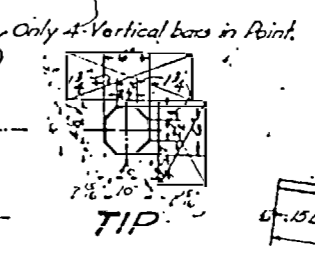
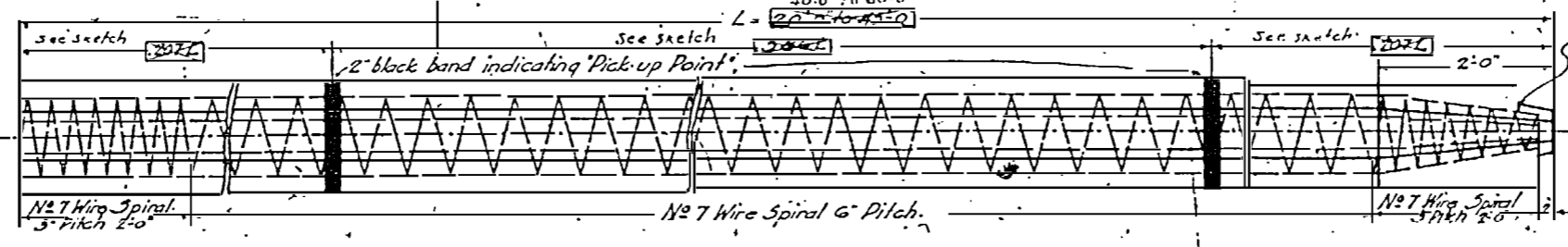
SPECIAL STA 1022-B1



### 1'-6" OCTAGONAL PILE



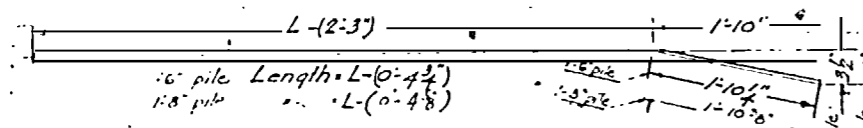
BUTT



#### QUANTITIES FOR ONE 1'-6" OCTAGONAL PILE

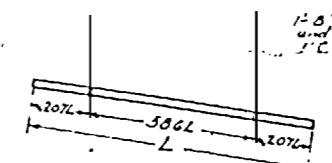
LENGTH L'	VERTICAL REIN. BARS			TOTAL REIN. STEEL LBS.	CONCRETE CU. YDS.	PILE WT. TONS	TWO PICKUP POINTS		THREE PICKUP POINTS	
	BAR NO.	SIZE	LENGTH				.207L	.586L	.15L	.35L
20'-0"	a	4	17'-9"	169	1.04	2.11	4'-2"	11'-8"		
25'-0"	a	4	22'-9"	213	1.31	2.65	5'-2"	14'-8"		
30'-0"	a	4	27'-9"	256	1.58	3.20	6'-2"	17'-7"		
35'-0"	a	4	32'-9"	299	1.85	3.75	7'-3"	20'-6"		
40'-0"	a	4	37'-9"	343	2.13	4.31	8'-3"	23'-5"		
45'-0"	a	4	42'-9"	386	2.40	4.86	9'-4"	26'-4"		

No. 7 Wire is considered as .0035 lbs. per Ft. American Steel and Wire Co's. Standard. Conc. per lin. ft. of Pile = 0.0345 cu. yds. Conc. in point = 0.035 cu. yds.



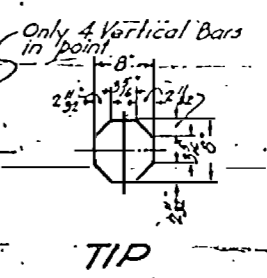
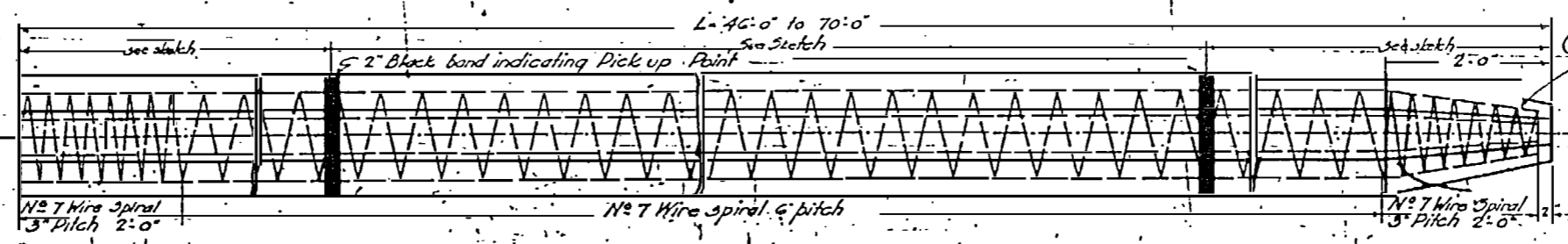
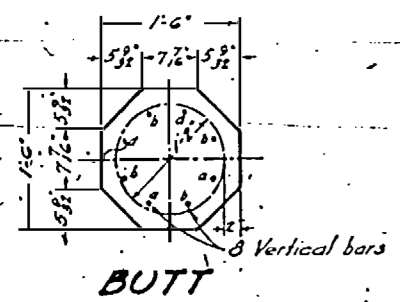
6" pile Length = L - (0'-4")  
1'-8" pile Length = L - (0'-4")

METHOD OF PICKING UP  
1'-6" PILES 60 FEET AND OVER 3 PICKUP POINTS.



METHOD OF PICKING UP  
1'-8" AND 1'-6" PILES UNDER 60 FEET 2 PICKUP POINTS

### 1'-8" OCTAGONAL PILE



#### QUANTITIES FOR ONE 1'-8" OCTAGONAL PILE

LENGTH L'	VERTICAL REIN. BARS			TOTAL REIN. STEEL LBS.	CONCRETE CU. YDS.	PILE WT. TONS	TWO PICKUP POINTS		THREE PICKUP POINTS	
	BAR NO.	SIZE	LENGTH				.207L	.586L	.15L	.35L
40'-0"	a	4	37'-9"	343	2.13	4.31	8'-3"	23'-5"		
45'-0"	a	4	42'-9"	386	2.40	4.86	9'-4"	26'-4"		
50'-0"	a	4	47'-9"	429	2.67	5.41	10'-4"	29'-4"		
55'-0"	a	4	52'-9"	472	2.94	5.96	11'-4"	32'-3"		
60'-0"	a	4	57'-9"	515	3.21	6.51	12'-4"	35'-2"	13'-0"	21'-0"
65'-0"	a	4	62'-9"	558	3.48	7.06	13'-4"	38'-1"	13'-0"	21'-0"
70'-0"	a	4	67'-9"	601	3.75	7.61	14'-4"	41'-0"	13'-0"	21'-0"

No. 7 Wire is considered as .0035 lbs. per Ft. American Steel and Wire Co's. Standard. Conc. per lin. ft. of Pile = 0.0345 cu. yds. Conc. in point = 0.035 cu. yds.

#### SUMMARY OF PILES

No.	LENGTH	DIAMETER	CONC. CU. YDS.	REIN. STEEL LBS.
10	55'-0"	1'-6"	37.3	149.50
20	56'-0"	1'-8"	93.7	306.00

PROJECT NO. 1022  
BEAUFORT COUNTY

STATION 104+20

STATE OF NORTH CAROLINA  
STATE HIGHWAY & PUBLIC WORKS COMMISSION  
**STANDARD PRE-CAST R.C. PILES**  
SEPTEMBER 1925

#### GENERAL NOTE:

Concrete shall be Class A. Coarse aggregate shall consist of crushed stone only, Standard size No. 3. All reinforcing steel shall be deformed bars. No splices of bars will be permitted. The spiral hooping shall be tied to the vertical bars at intervals of not more than 2'-0" in driving piles, a method, approved by the Engineer shall be used whereby the head of the pile is not damaged.

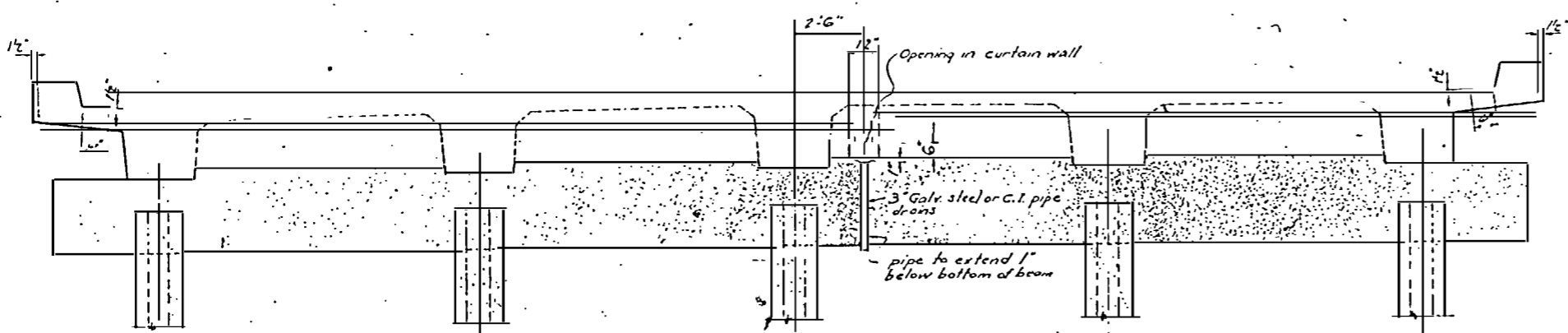
All material and workmanship as per the specifications of the North Carolina State Highway and Public Works Commission.

Revised for weight of wire in 1'-6" Octagonal Pile March 2, 1926.  
Revised for size of coarse aggregate April 28, 1927.  
Revised to allow only crushed stone for coarse aggregate May 1, 1928.  
Revised and revised as to Class A concrete & size of aggregate by E.H.P. & J.S. by A.P.R. 1931.  
Revised May 24, 1936 for concrete quantities and pile weight by F.A.F. Jr. Checked by D.P.P.  
Revised Jan. 9, 1925 for weight reinforcing steel & length by J.B.  
Revised for 8" bars to 1'-8" Octagonal Pile checked by G.D. Revised June 1927 for pickup points by G.P.P. & J.M.K.

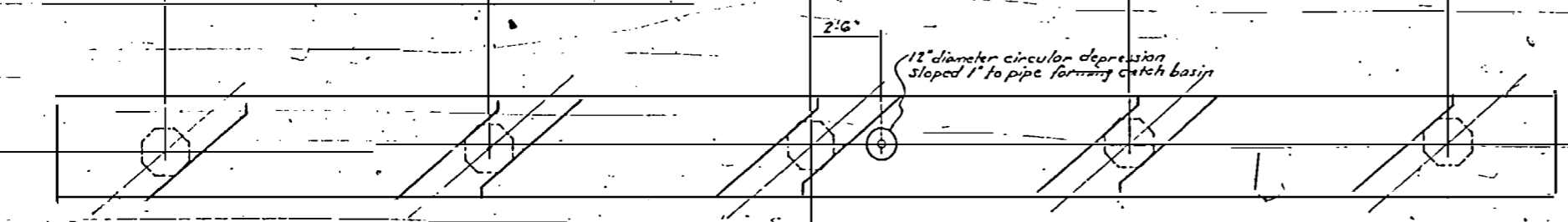
APPROVED	DATE
BY: [Signature]	Jan. 23, 22
BY: [Signature]	Jan. 25, 22
BY: [Signature]	Jan. 26, 22
BY: [Signature]	Jan. 27, 22
BY: [Signature]	Jan. 28, 22
BY: [Signature]	Jan. 29, 22
BY: [Signature]	Jan. 30, 22
BY: [Signature]	Jan. 31, 22

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
10	N.C.	1022	54	20

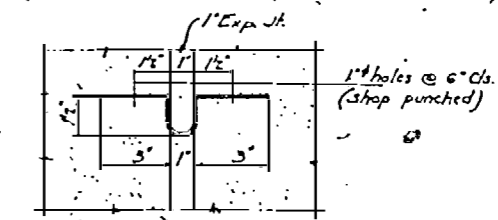
F & G Crossing for the F.A.G.H. 43(B)



TYPICAL SECTION AT E OF INTERIOR BENT  
SHOWING COPPER DRAINS THRU EXP. JT.



PLAN



DETAIL OF COPPER DRAIN

MAKE 4 PIECES 10" x 28'9" LONG  
MAKE 4 PIECES 10" x 23'9" LONG

Notes: Copper drains shall be placed in expansion Jts. between spans at all interior bents as shown. Copper flashing for drains to be of the best grade sheet copper. See Specs. Pipe for drains shall consist of Standard Weight Galvanized steel or C.I. pipe. Steel pipe to be galvanized after cutting. The cost of copper and pipe drains complete in place shall be included in the unit price bid for the several pay items.

PROJECT NO. 1022  
BEAUFORT COUNTY  
STATION: 104 + 20.8

STATE OF NORTH CAROLINA  
STATE HIGHWAY AND  
PUBLIC WORKS COMMISSION  
SALESMAN  
DETAILS OF COPPER DRAINS  
THRU CURTAIN WALLS  
FOR BRIDGE OVER  
NORFOLK SOUTHERN R.R.  
MARCH 1940

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

APPROVED BY: [Signature]  
DATE: [Date]

STANDARD D-1022