

FED. ROAD DIV. NO.	STATE	PROJECT NO.
3	N.C.	3191101
N.A. PROJECT APP-34-116		

GENERAL NOTES

Except as shown, notes on Sheet S-N apply.

Specifications: Standard Specifications for Roads and Structures
North Carolina State Highway Commission
Raleigh, North Carolina, Jan. 1, 1965

Design Load: H20-S16-44 as specified in current AASHTO Specifications.

Design Stresses: Reinforcing Steel - $f_s = 20,000$ psi
Structural Steel - $f_s = 20,000$ psi
Concrete - $f_c = 3,000$ psi, $f_v = 90$ psi, $n = 10$
 f_c deck - 1,100 psi, f_c other - 1,200 psi

Name Plates: For details, see Drawing entitled "Standard Approach Curbs and Name Plates".

Borings: For Boring Data, see Sheet S-33.

Piling: Piling to be Standard 12BP53 Steel Piles, see Specifications. Maximum computed pile load - 30 tons each. Piles shall be driven to a minimum bearing capacity of 30 tons each.

Excavate: The contractor shall be responsible for determining lengths of piles required. The contractor shall be required to excavate completely through the fill at End B No. 1 & 2 before driving piles.

Surface Finish: Exposed surfaces to be given a Class I surface finish in accordance with the Specifications.

Traffic: Traffic on State St. shall be maintained at all times during construction of proposed structure. See Special Provisions.

THE "A" TYPE 2 BARS TO BE USED AS CURB BARS FOR THE SUPERSTRUCTURE WERE DESIGNED 1/0" TOO SHORT. USED STRAIGHT "B" BARS 2'-3" LONG. SEE BRIDGES ENGINEER'S REPORT DATED 5/10/67

ESTIMATE OF QUANTITIES

Sheet	Concrete Class A C.Y.	Reinf. Steel Lbs.	Structural Steel (Approx) Lbs.	Unclass. Str. Excav. C.Y.	Steel Piles 12BP53 No.	1-Bay Metal Handrail L.F.	Slope Protection 4" Conc. S.Y.
General Plan							
File Record & Borings							
Layout							
End Bent 1	40.5	8,115			19	872.28	545.76
Piers 1 & 2	250.4	42,013			26	2,183.14	
End Bent 2	42.1	8,458			22	778.72	529.51
Framing Plan		165,299					
Deck	481.6		341,300				
Constr. Elev's							
Handrail						297.3	
Totals	821.5	165,299	341,300		137	3,815.07	1,068.27

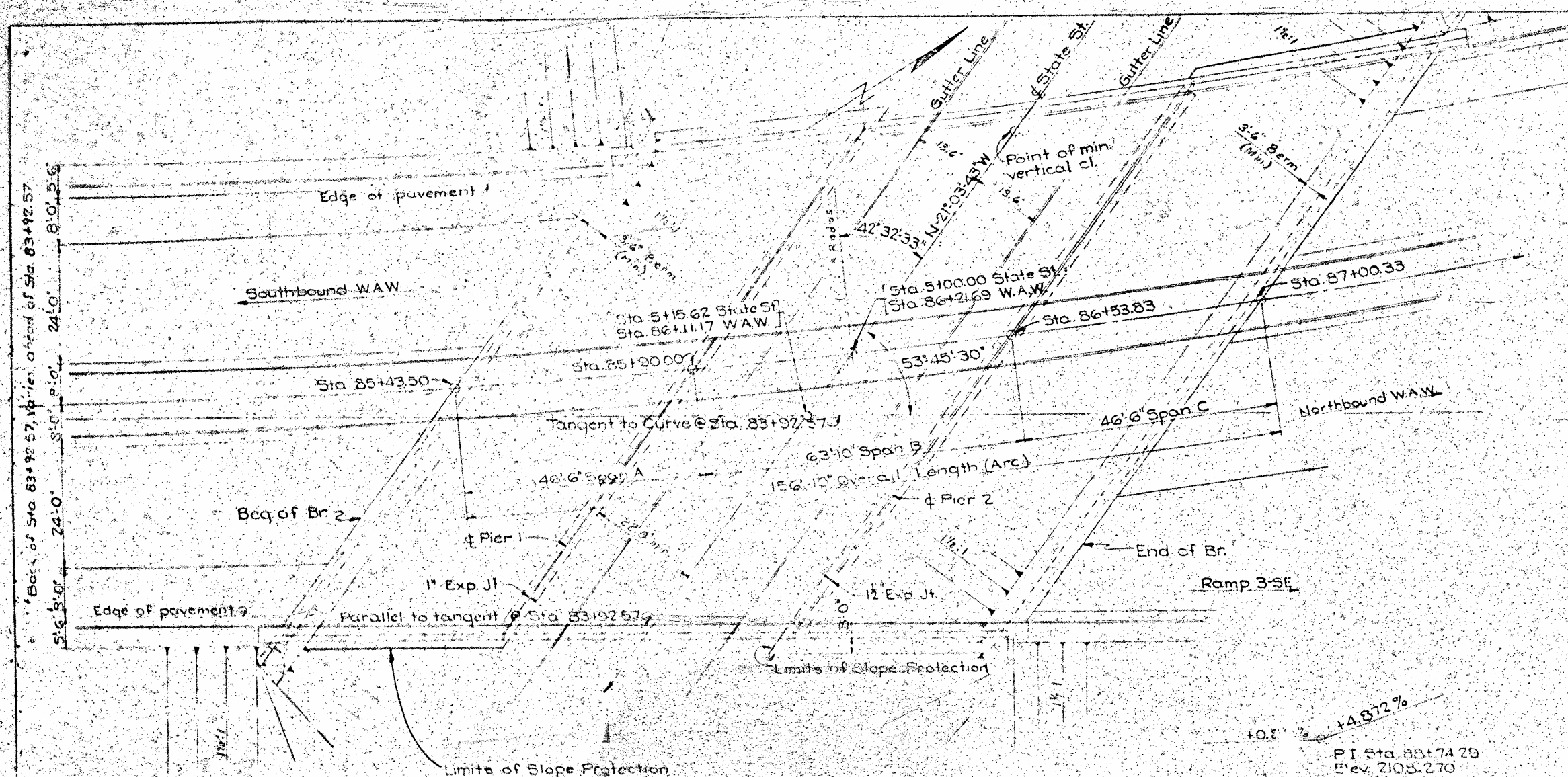
I HEREBY CERTIFY THAT THIS STRUCTURE WAS BUILT ACCORDING TO PLANS EXCEPT AS NOTED HEREIN.

RESIDENT ENGINEER

PROJECT NO. 3191101
BUNCOMBE COUNTY
STATION: 86+21.69

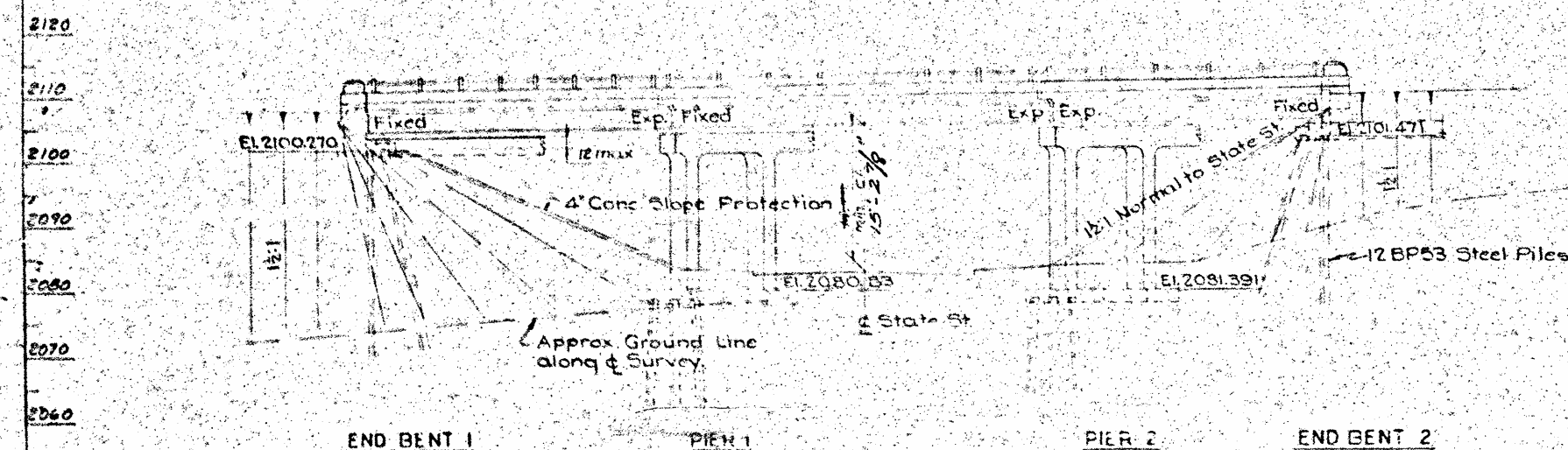
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH
GENERAL PLAN & ELEVATION
STATE STREET
UNDER
WEST ASHEVILLE - WEAVERVILLE
CONNECTOR

S-73
110



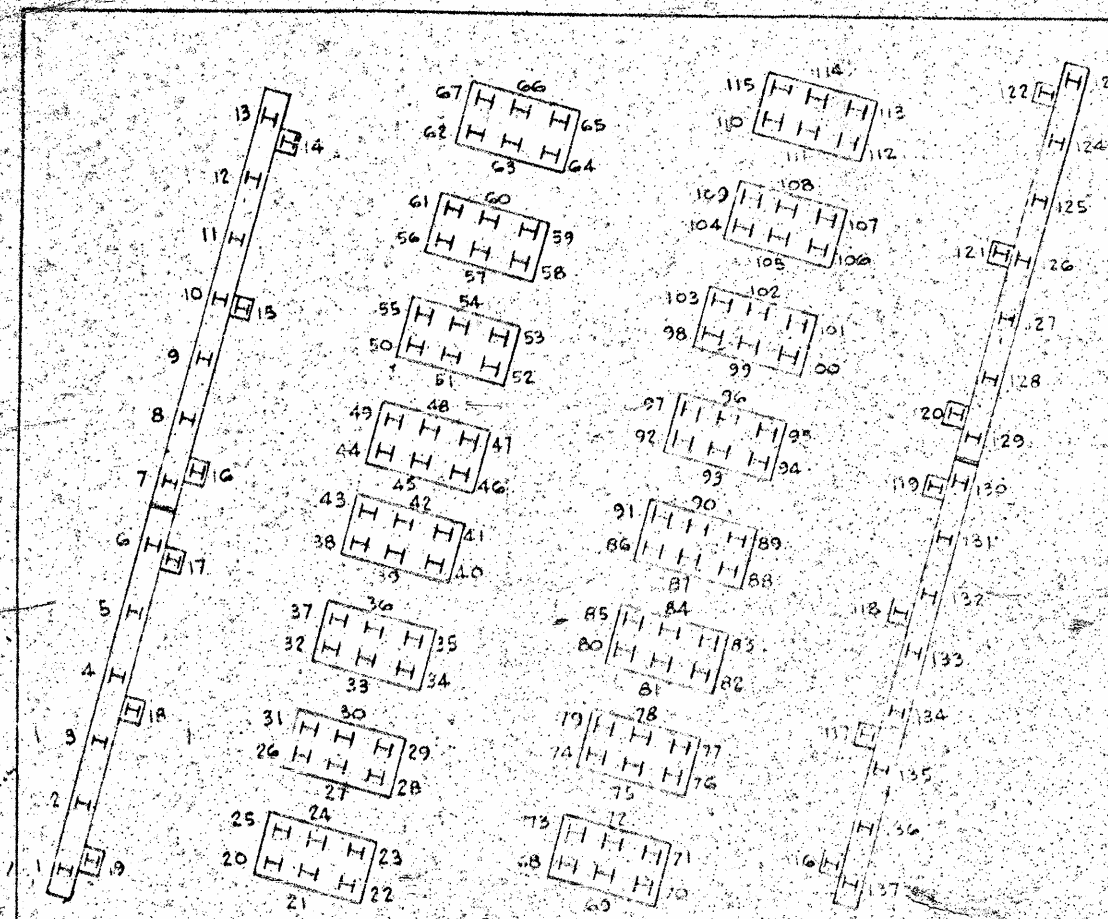
CURVE DATA-W.A.W.
PI Sta. 88+67.24
 $\Delta = 25^\circ 40' 07''$
 $R = 27.45'$
 $ST = 474.67'$
 $L = 933.40'$
 $R = 2083.48'$
 e max. $\pm .050\%$

PLAN
(3' Simple Spans)
Scale: 1" = 15'



ELEVATION
Scale: 1" = 15'

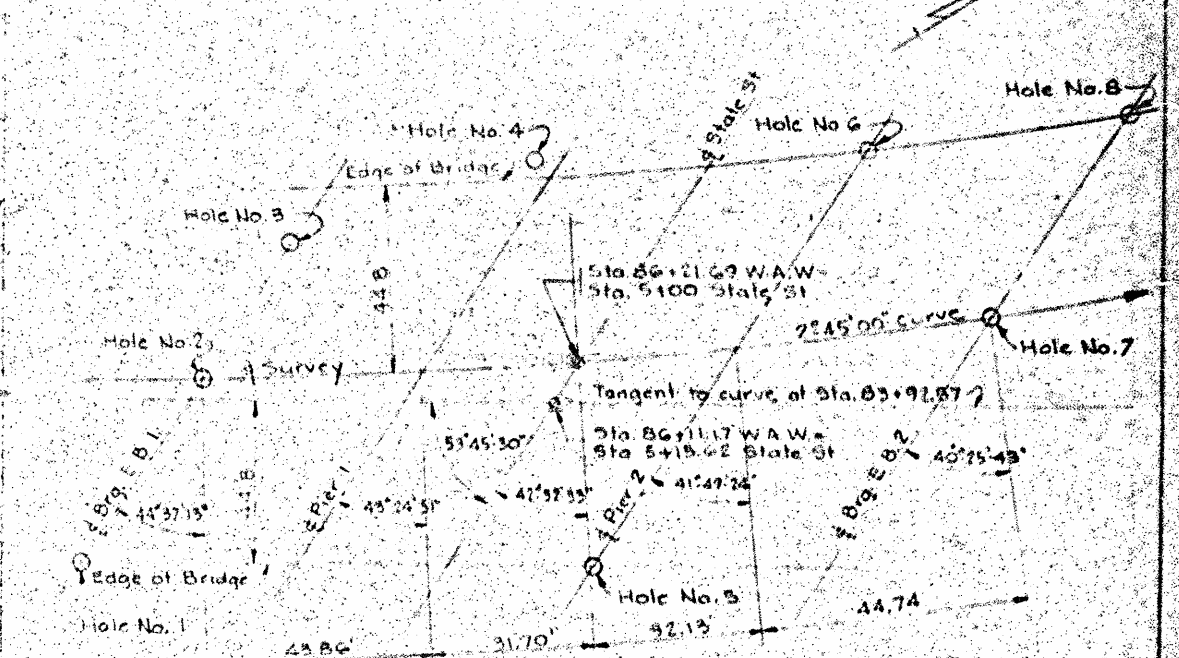
SPECIAL
DESIGNED BY
DRAWN BY WEC
TRACED BY
CHECKED BY TWV
DATE 2-62
DATE 2-62
DATE 2-62



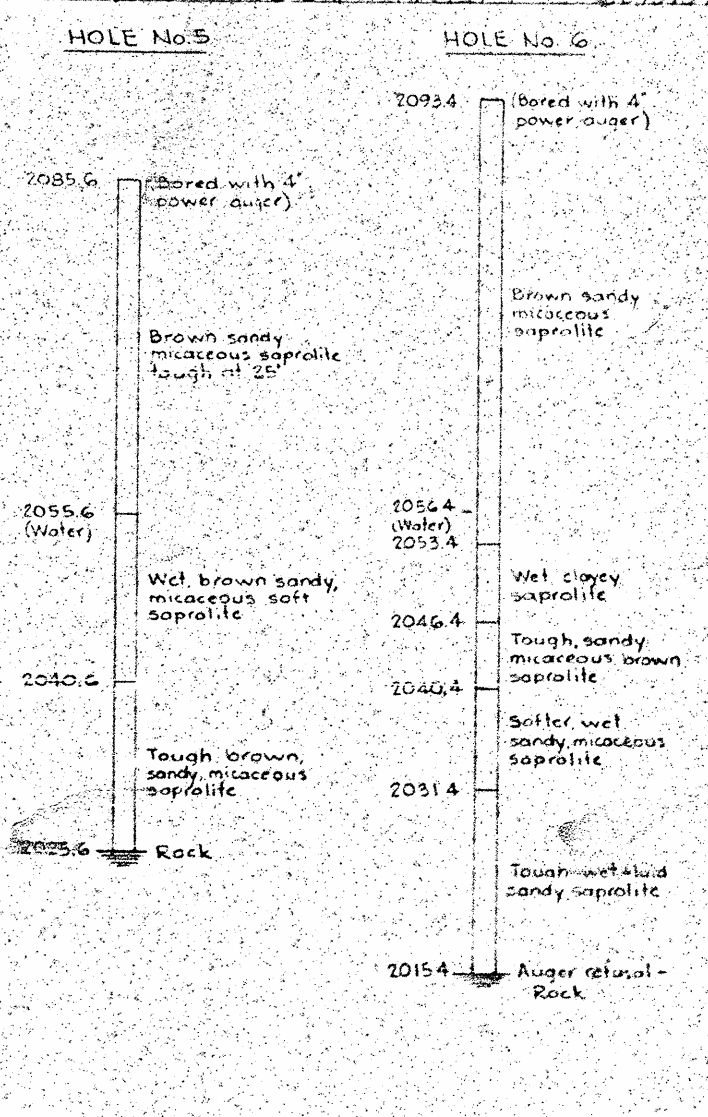
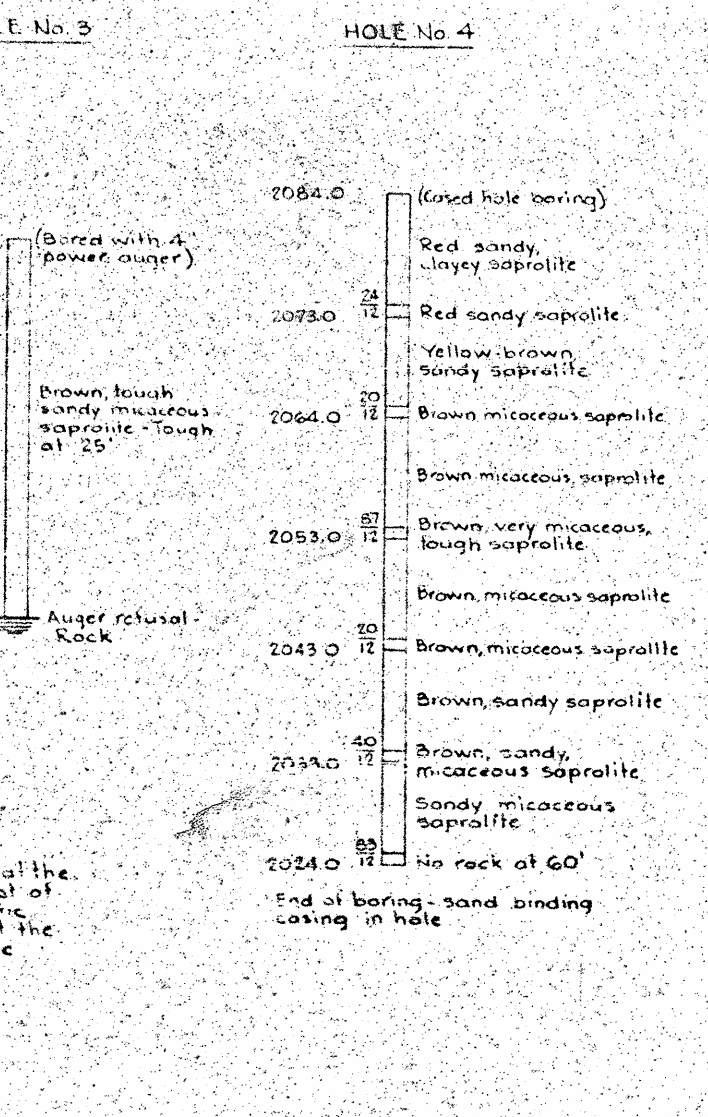
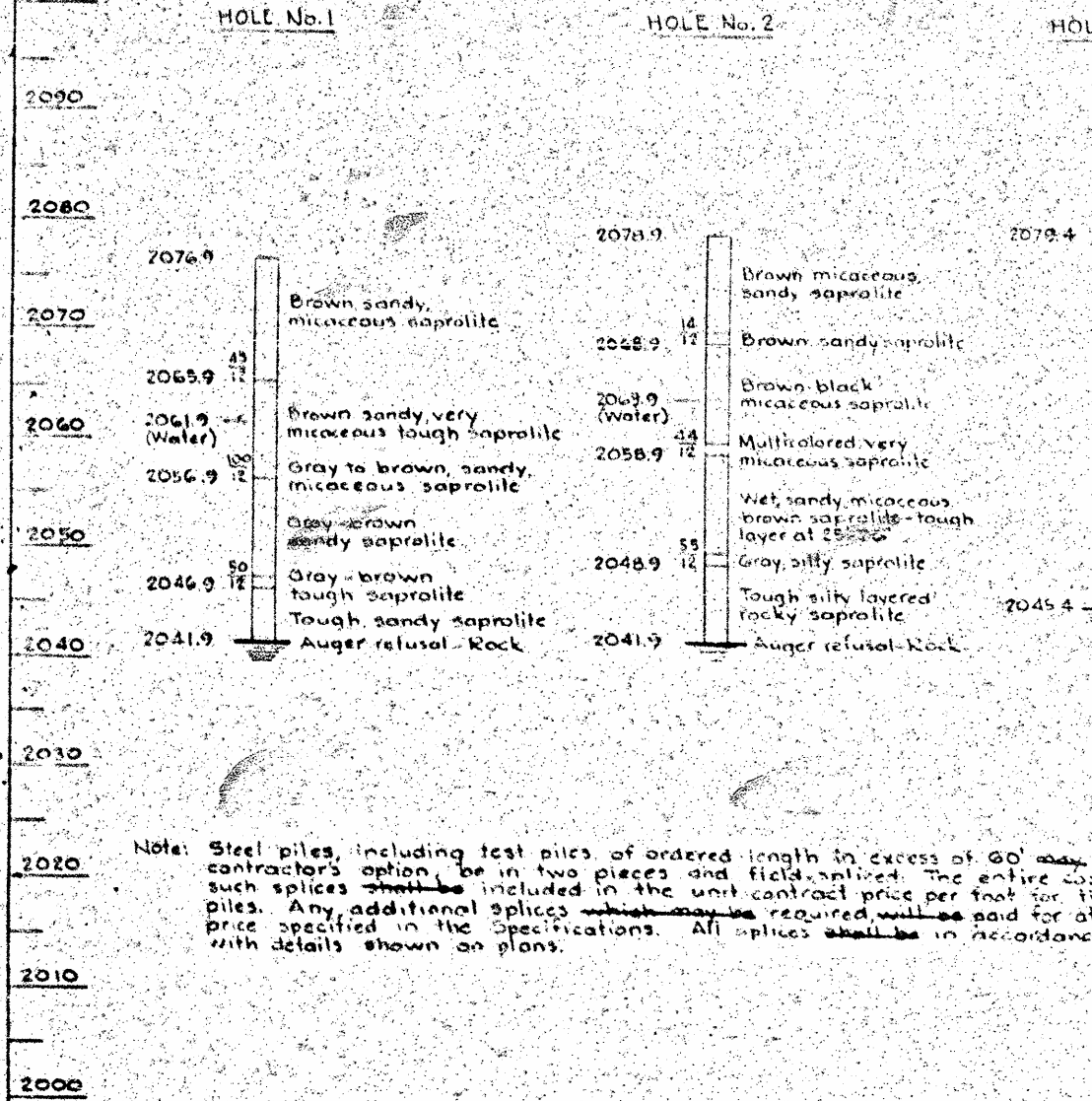
PILE LOCATIONS
Not to Scale

PILE RECORD														
Pile No.	Cut-off Elevation as shown	Tip of Pile Elevation	Length of Pile in Place L.F.	Calculated Bearing Capacity (tons)	Pile No.	Cut-off Elevation as shown	Tip of Pile Elevation	Length of Pile in Place L.F.	Calculated Bearing Capacity (tons)	Pile No.	Cut-off Elevation as shown	Tip of Pile Elevation	Length of Pile in Place L.F.	Calculated Bearing Capacity (tons)
1	2100.27	2052.52	47.75	72.0	47	2078.08	2054.163	23.92	72.0	93	2078.61	2053.141	25.6"	79.6
2	"	2059.27	41.0"	72.0	48	"	2052.996	25.1"	79.6	94	"	2064.557	19.1"	60.0
3	"	2052.937	47.4"	72.0	49	"	2057.244	20.10"	65.2	95	"	2057.141	21.6"	79.6
4	"	2055.27	43.0"	79.6	50	"	2052.747	25.4"	72.0	96	"	2058.807	19.10"	72.0
5	"	2050.27	50.0"	65.2	51	"	2052.58	25.6"	60.0	97	"	2060.141	18.6"	79.6
6	"	2052.184	48.1"	79.6	52	"	2057.705	20.48"	79.6	98	"	2056.807	21.10"	72.0
7	"	2052.846	49.1"	72.0	53	"	2053.413	24.8"	55.2	99	"	2056.974	21.8"	79.6
8	2098.93	2049.846	49.1"	72.0	54	"	2052.747	25.4"	72.0	100	"	2060.308	18.4"	79.6
9	"	2061.43	37.6"	79.6	55	"	2053.413	24.8"	65.2	101	"	2056.974	21.8"	79.6
10	"	2056.93	43.0"	79.6	56	"	2060.747	17.4"	72.0	102	"	2058.141	20.6"	79.6
11	"	2057.68	41.3"	79.6	57	"	2052.08	26.0"	79.6	103	"	2053.724	24.11"	79.6
12	"	2053.93	45.0"	72.0	58	"	2052.08	26.0"	72.0	104	"	2063.474	15.2"	79.6
13	"	2054.096	44.10"	79.6	59	"	2052.371	17.8"	79.6	105	"	2062.807	19.10"	72.0
14	"	2051.93	47.0"	79.6	60	"	2052.184	24.1"	72.0	106	"	2060.141	18.6"	79.6
15	"	2052.93	45.6"	79.6	61	"	2049.496	28.7"	79.6	107	"	2058.474	20.2"	72.0
16	"	2052.597	46.4"	79.6	62	"	2052.747	25.4"	55.2	108	"	2061.308	17.4"	72.0
17	2100.27	2050.27	50.0"	51.4	63	"	2052.08	26.0"	60.0	109	"	2062.141	16.6"	REFUSAL
18	"	2053.27	47.0"	79.6	64	"	2054.08	24.0"	72.0	110	"	2053.474	25.2"	79.6
19	"	2050.937	49.4"	79.6	65	"	2053.413	24.8"	72.0	111	"	2053.413	24.8"	65.2
20	2078.08	2053.08	25.0"	72.0	66	"	2053.413	24.8"	75.8	112	"	2054.141	24.6"	72.0
21	"	2054.88	23.2"	72.0	67	"	2053.413	24.8"	51.4	113	"	2051.974	26.8"	72.0
22	"	2053.95	22.1"	REFUSAL	68	2078.61	2052.308	26.4"	65.2	114	"	2055.308	23.4"	72.0
23	"	2056.88	21.2"	REFUSAL	69	"	2054.641	24.0"	79.6	115	"	2053.807	24.10"	75.8
24	"	2052.87	25.2"	72.0	70	"	2053.807	24.10"	79.6	116	2101.471	2067.804	35.8"	120.0
25	"	2053.08	25.0"	65.2	71	"	2053.308	25.4"	72.0	117	"	2065.471	36.0"	108.7
26	"	2053.08	25.0"	45.0	72	"	2053.974	24.8"	79.6	118	"	2064.587	37.1"	120.0
27	"	2052.747	25.4"	65.2	73	"	2054.974	23.8"	60.0	119	"	2070.971	30.6"	132.7
28	"	2053.413	24.8"	72.0	74	"	2052.441	26.0"	75.8	120	2100.288	2062.788	37.6"	120.0
29	"	2056.643	21.5"	55.2	75	"	2054.641	24.0"	REFUSAL	121	"	2062.288	38.0"	120.0
30	"	2049.496	28.7"	79.6	76	"	2053.057	23.7"	72.0	122	"	2063.288	31.0"	120.0
31	"	2053.08	25.0"	45.0	77	"	2053.141	23.6"	REFUSAL	123	"	2051.288	49.0"	132.7
32	"	2052.58	25.6"	60.0	78	"	2053.641	25.0"	75.8	124	"	2053.288	27.0"	120.0
33	"	2052.747	25.4"	65.2	79	"	2052.141	26.0"	72.0	125	"	2067.538	32.9"	120.0
34	"	2054.747	23.4"	72.0	80	"	2061.308	17.4"	REFUSAL	126	"	2075.038	25.3"	120.0
35	"	2054.08	24.0"	55.2	81	"	2060.057	18.7"	72.0	127	"	2067.371	32.1"	120.0
36	"	2052.08	26.0"	60.0	82	"	2060.474	12.2"	REFUSAL	128	"	2070.704	29.7"	132.7
37	"	2053.58	24.6"	45.0	83	"	2063.557	15.1"	REFUSAL	129	"	2068.571	31.1"	120.0
38	"	2053.747	24.8"	60.0	84	"	2059.641	19.0"	79.6	130	2101.471	2071.471	30.0"	120.0
39	"	2052.93	25.2"	65.2	85	"	2055.474	23.2"	79.6	131	"	2062.471	39.0"	132.7
40	"	2056.33	21.3"	79.6	86	"	2054.474	24.2"	79.6	132	"	2059.471	42.0"	120.0
41	"	2057.413	20.8"	60.0	87	"	2053.807	24.10"	79.6	133	"	2065.387	36.1"	120.0
42	"	2054.747	23.4"	72.0	88	"	2060.641	18.0"	79.6	134	"	2063.138	38.4"	120.0
43	"	2052.413	25.8"	55.2	89	"	2058.224	20.5"	72.0	135	"	2064.971	36.6"	120.0
44	"	2057.08	21.2"	72.0	90	"	2060.891	17.9"	72.0	136	"	2063.971	37.6"	120.0
45	"	2057.83	20.3"	79.6	91	"	2062.557	16.1"	72.0	137	"	2064.304	37.2"	120.0
46	"	2057.163	20.11"	72.0	92	"	19.141	19.6"	79.6	Total				

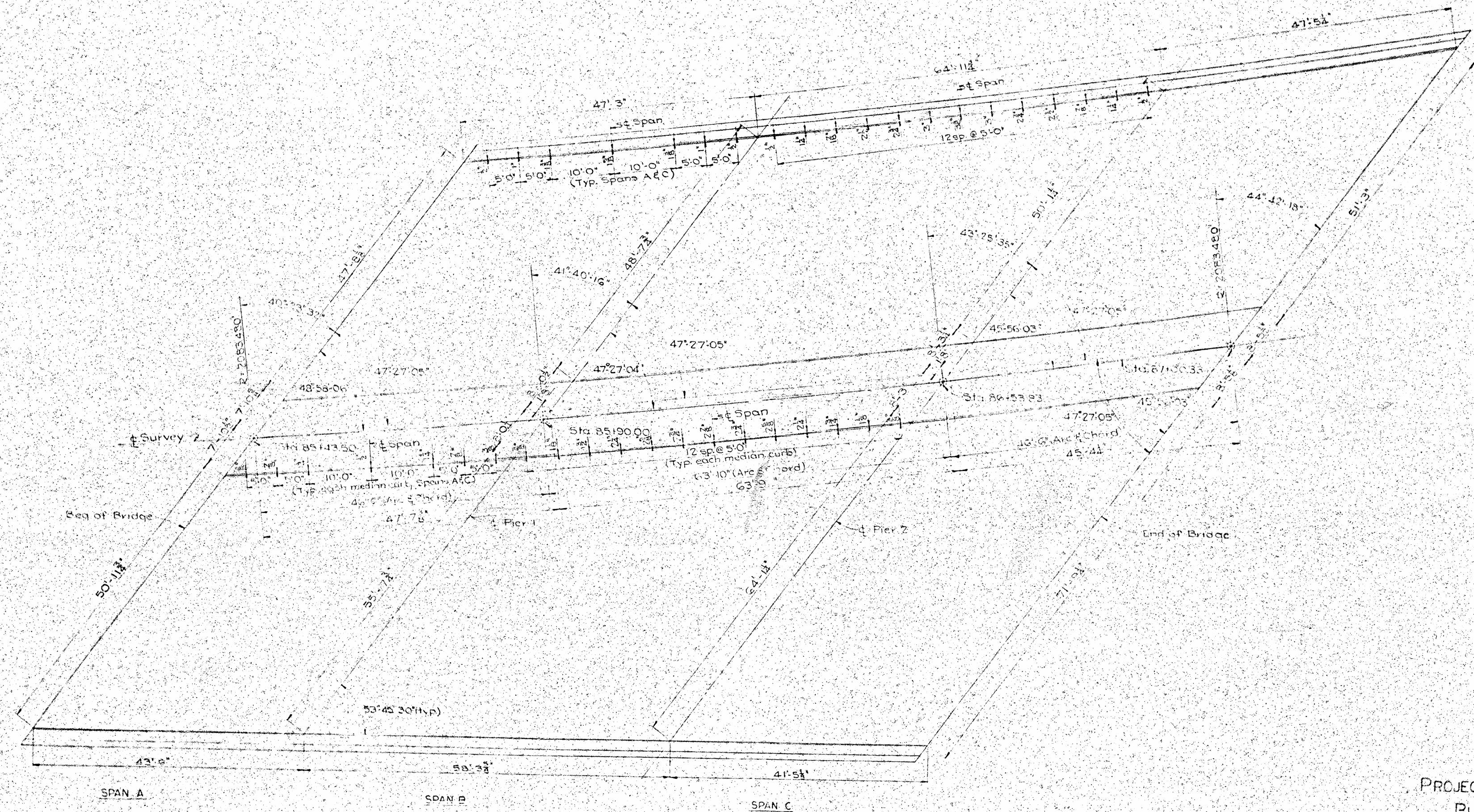
NOTE: This sheet does not replace other records on piles. When driven, the Resident Engineer shall record the tip of pile elevation as driven, length of pile in place, and calculated bearing capacity of each pile. One copy of this sheet with above information shall be returned to the Bridge Engineer so that the record may be placed with the original plans. Length of pile in place, shown hereon, is the actual length of pile in the finished structure below the cut-off elevation.



LOCATION OF BORINGS
Not to Scale



FED. ROAD DIV. NO.	STATE	PROJECT NO.
3	N.C.	8-3171101
F.A. PROJECT APP. 34-1141		



LAYOUT DIAGRAM
Scale 1" = 10'

PROJECT NO. 8-3171101
BUNCOMBE COUNTY
STATION 8612169

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

LAYOUT DIAGRAM

SPECIAL	DESIGNED BY	DATE
	DRAWN BY	DATE
	TRACED BY	DATE
	CHECKED BY	DATE

5-25	SHEET NO.
110	TOTAL SHEETS



Figure 1 shows five types of cross-sections of a 100 lb. 10 ft. standard channel. The dimensions are given in inches.

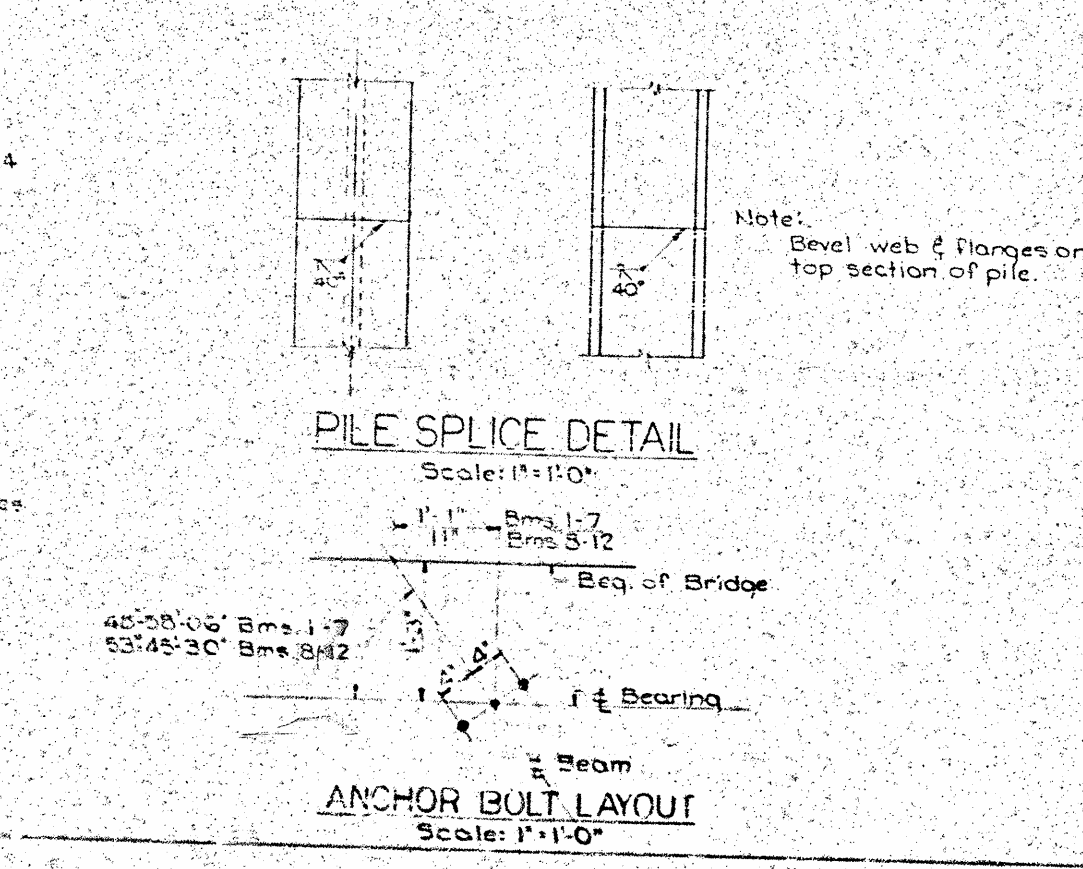
- TYPE 1:** Standard channel with a height of 5.1", a flange width of 2.2", and a web width of 2.2".
- TYPE 2:** Channel with a web width of 2.2" and a height of 5.1".
- TYPE 3:** Channel with a web width of 3.1" and a height of 8".
- TYPE 4:** Channel with a web width of 3.1" and a height of 8".
- TYPE 5:** Channel with a web width of 2.2" and a height of 8".

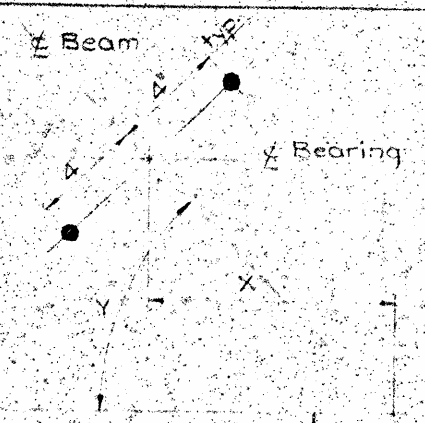
PROJECT NO. 83171101
BUNCOMBE COUNTY
STATION: 86+21.69

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

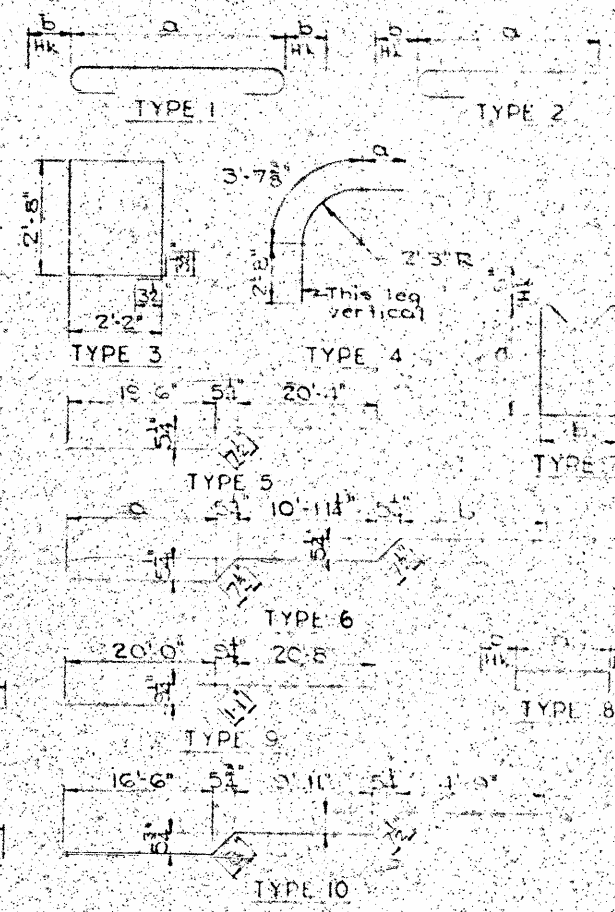
END BENT 1

SHEET NO. 5-47	TOTAL
	NO.



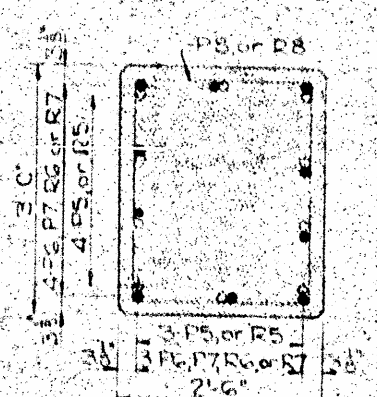


Beam No.	PIER 1	PIER 2	PIER 1	PIER 2
A-A7	Span A	Span B	Span A	Span B
A-A12	71° 30'	84° 00'	45° 58' 00"	53° 45' 30"
B1-B7	84° 00'	84° 00'	47° 27' 04"	47° 27' 04"
B5-B13	84° 00'	84° 00'	53° 45' 30"	53° 45' 30"
C1				44° 54' 45"
C2				45° 25' 08"
C3-C7				45° 56' 03"
C8-C14				53° 45' 30"

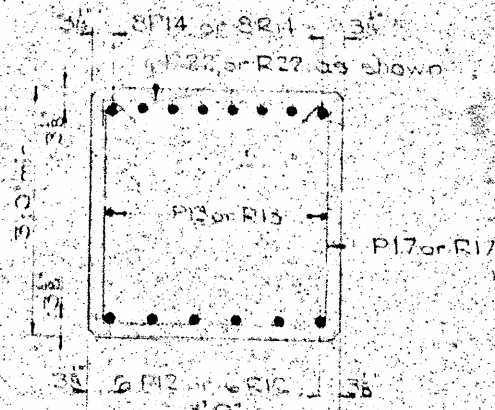


ANCHOR BOLT LAYOUT

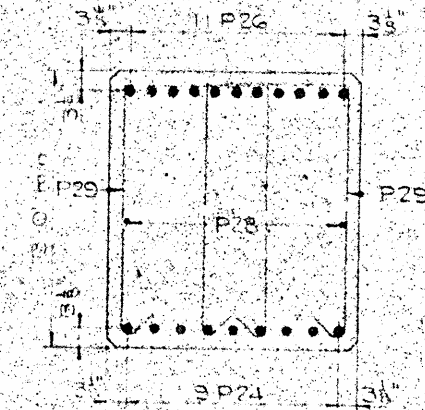
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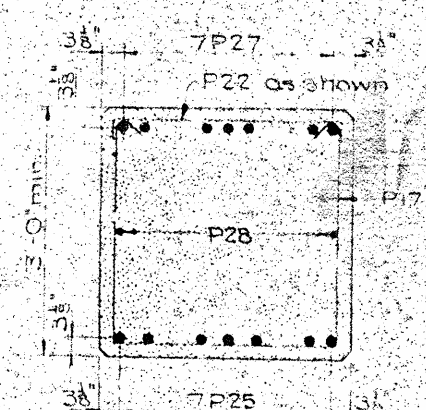
SECTION A-A
PIERS 1 & 2
Scale: 3" = 1'-0"



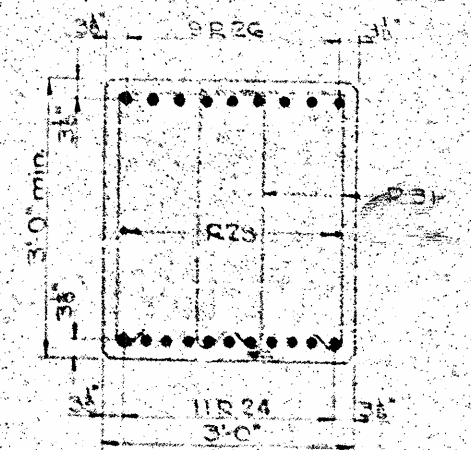
SECTION B-B
PIERS 1 & 2
Scale: 3" = 1'-0"



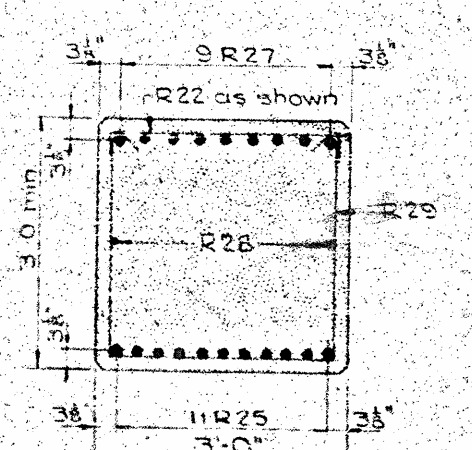
SECTION C-C
PIER 1
Scale: 3" = 1'-0"



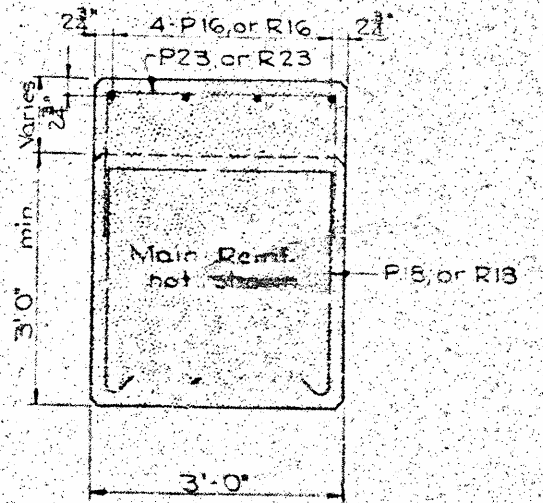
SECTION D-D
PIER 1
Scale: 3" = 1'-0"



SECTION C-C
PIER 2
Scale: 3" = 1'-0"



SECTION D-D
PIER 2
Scale: 3" = 1'-0"



SECTION E-E
PIERS 1 & 2
Scale: 3" = 1'-0"

BILL OF REINFORCEMENT											
PIER 1						PIER 2					
BAR NO.	SIZE	TYPE	LENGTH	Q	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	Q	WEIGHT
P1	7	6	5'-10"	1	631	R1	72	6	5'-10"	1	631
P2	8	6	3'-4"	1	1001	R2	80	6	3'-4"	1	1001
P3	8	6	4'-6"	1	433	R3	64	6	4'-6"	1	433
P4	40	9	1'-0"	1	421	R4	40	9	1'-0"	1	421
P5	80	9	6'-4"	1	1723	R5	80	9	6'-4"	1	1723
P6	40	9	19'-6"	1	2652	R6	40	9	19'-6"	1	2652
P7	40	9	20'-9"	1	2822	R7	40	9	20'-9"	1	2822
P8	164	4	10'-3"	1	1123	R8	164	4	10'-3"	1	1123
P9	12	9	7'-3"	1	91	R9	12	9	7'-3"	1	91
P10	6	5	2'-0"	1	310	R10	6	5	2'-0"	1	310
P11	6	5	23'-3"	1	600	R11	6	5	23'-3"	1	600
P12	6	5	40'-6"	1	1046	R12	6	5	40'-6"	1	1046
P13	4	5	30'-9"	1	128	R13	4	5	30'-9"	1	128
P14	9	5	31'-8"	1	861	R14	9	5	31'-8"	1	861
P15	8	9	4'-10"	1	861	R15	8	9	4'-10"	1	861
P16	4	5	4'-0"	1	114	R16	4	5	4'-0"	1	114
P17	4	7	8'-10"	1	285	R17	4	7	8'-10"	1	285
P18	4	7	9'-6"	1	190	R18	4	7	9'-6"	1	190
P19	2	4	2'-4"	1	11	R19	2	4	2'-4"	1	11
P20	Not Used					R20	Not Used				
P21	Not Used					R21	Not Used				
P22	4	8	3'-11"	1	62	R22	4	8	3'-11"	1	62
P23	4	8	2'-8"	1	23	R23	4	8	2'-8"	1	23
P24	9	10	23'-3"	1	920	R24	9	10	23'-3"	1	920
P25	7	10	41'-7"	1	1250	R25	7	10	41'-7"	1	1250
P26	11	10	32'-6"	1	1212	R26	11	10	32'-6"	1	1212
P27	7	9	32'-2"	1	766	R27	7	9	32'-2"	1	766
P28	4	5	31'-4"	1	131	R28	4	5	31'-4"	1	131
P29	13	7	2'-11"	1	81	R29	13	7	2'-11"	1	81

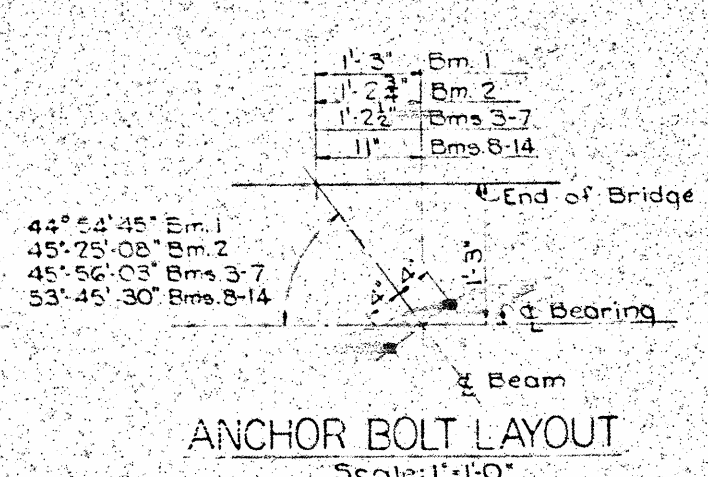
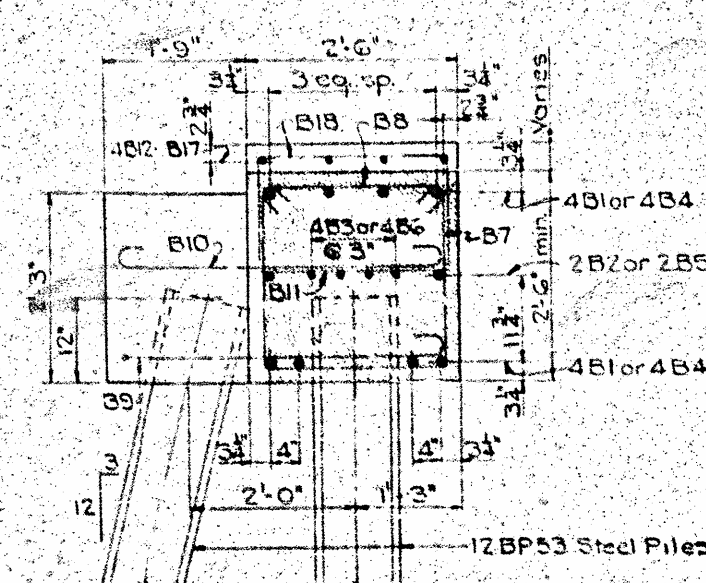
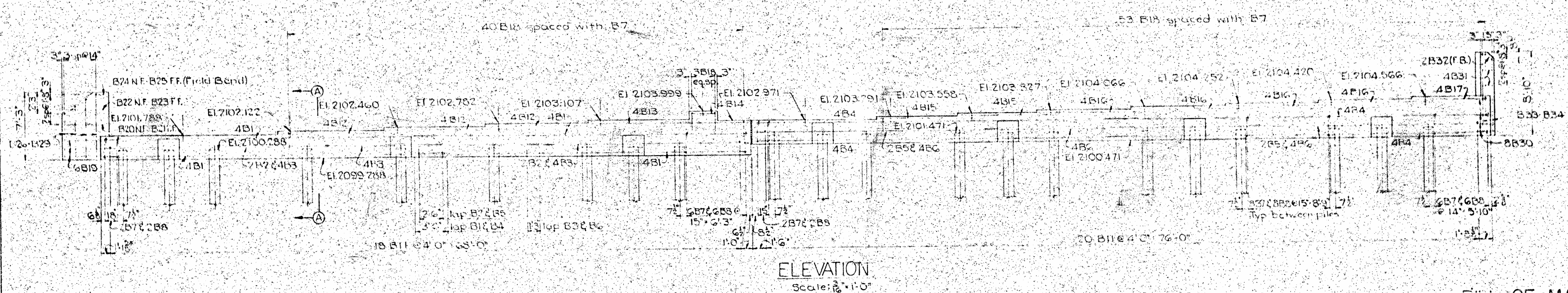
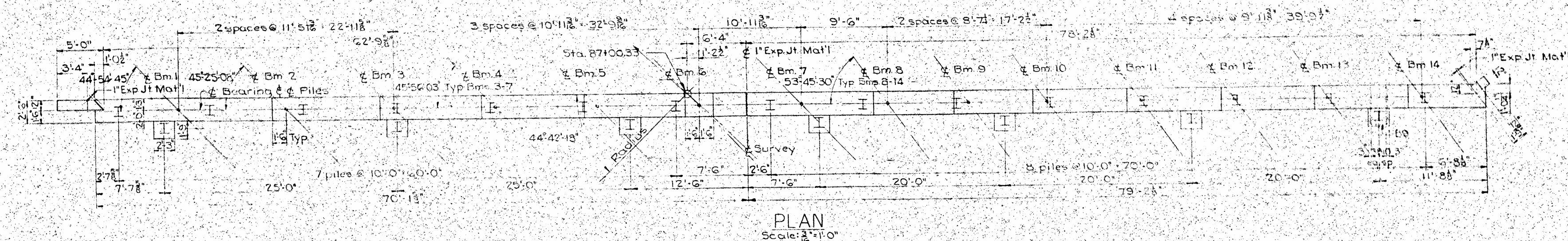
BILL OF MATERIAL		
	PIER 1	PIER 2
Concrete, Class A - CY.	123.8	126.6
Reinforcing Steel - Lbs.	19764	27749
48-12BP53 Steel Piles - L.F.	14488	10433
Unclass Str. Excav. - CY.	3395	2612

PROJECT No. 8.3191101
BUNCOMBE COUNTY
STATION 86+21.69

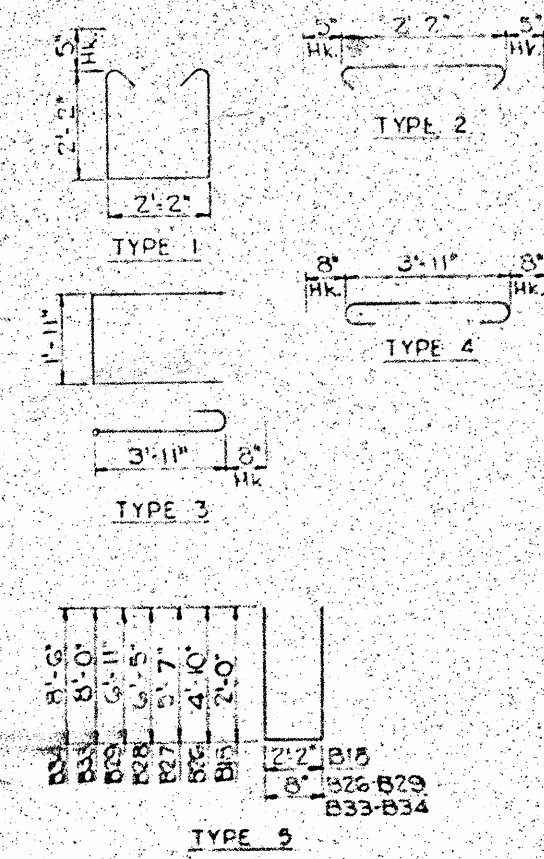
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH
DETAILS
PIERS 1 & 2

SPECIAL
DESIGNED BY JES
DRAWN BY JES
TRACED BY JES
CHECKED BY JES

5-81
110



REINFORCEMENT					
BAR	NO.	SIZE	TYPE	LEN. FT.	WEIGHT
B1	16	11	St.	36'-8"	3,117
B2	4	8	St.	36'-2"	382
B3	12	4	St.	24'-1"	193
B4	16	11	St.	41'-2"	3,500
B5	4	8	St.	40'-8"	431
B6	12	4	St.	27'-2"	219
B7	120	4	1	7'-4"	588
B8	120	4	2	3'-0"	242
B9	7	6	3	11'-1"	117
B10	21	6	4	5'-3"	166
B11	33	4	St.	21'-2"	55
B12	12	4	St.	12'-0"	96
B13	4	4	St.	17'-2"	46
B14	4	4	St.	2'-8"	7
B15	8	4	St.	9'-7"	51
B16	16	4	St.	11'-0"	118
B17	4	4	St.	8'-0"	21
B18	36	4	5	2'-2"	395
B19	6	4	St.	5'-0"	20
B20	1	4	St.	4'-6"	3
B21	1	4	St.	4'-2"	3
B22	1	4	St.	3'-8"	2
B23	1	4	St.	3'-0"	2
B24	1	4	St.	5'-1"	3
B25	1	4	St.	4'-7"	3
B26	1	4	St.	10'-4"	7
B27	1	4	St.	11'-10"	8
B28	1	4	St.	13'-6"	9
B29	1	4	St.	14'-6"	10
B30	8	4	St.	2'-0"	41
B31	4	4	St.	1'-5"	4
B32	2	4	St.	1'-7"	2
B33	1	4	St.	16'-8"	11
B34	1	4	St.	17'-8"	12



BILL OF MATERIAL

Concrete, Class A 49.1 CY.
Reinforcing Steel 9,853 Lbs.
22-12 BP53 Steel Piles 178.75 - 1,426 LF.

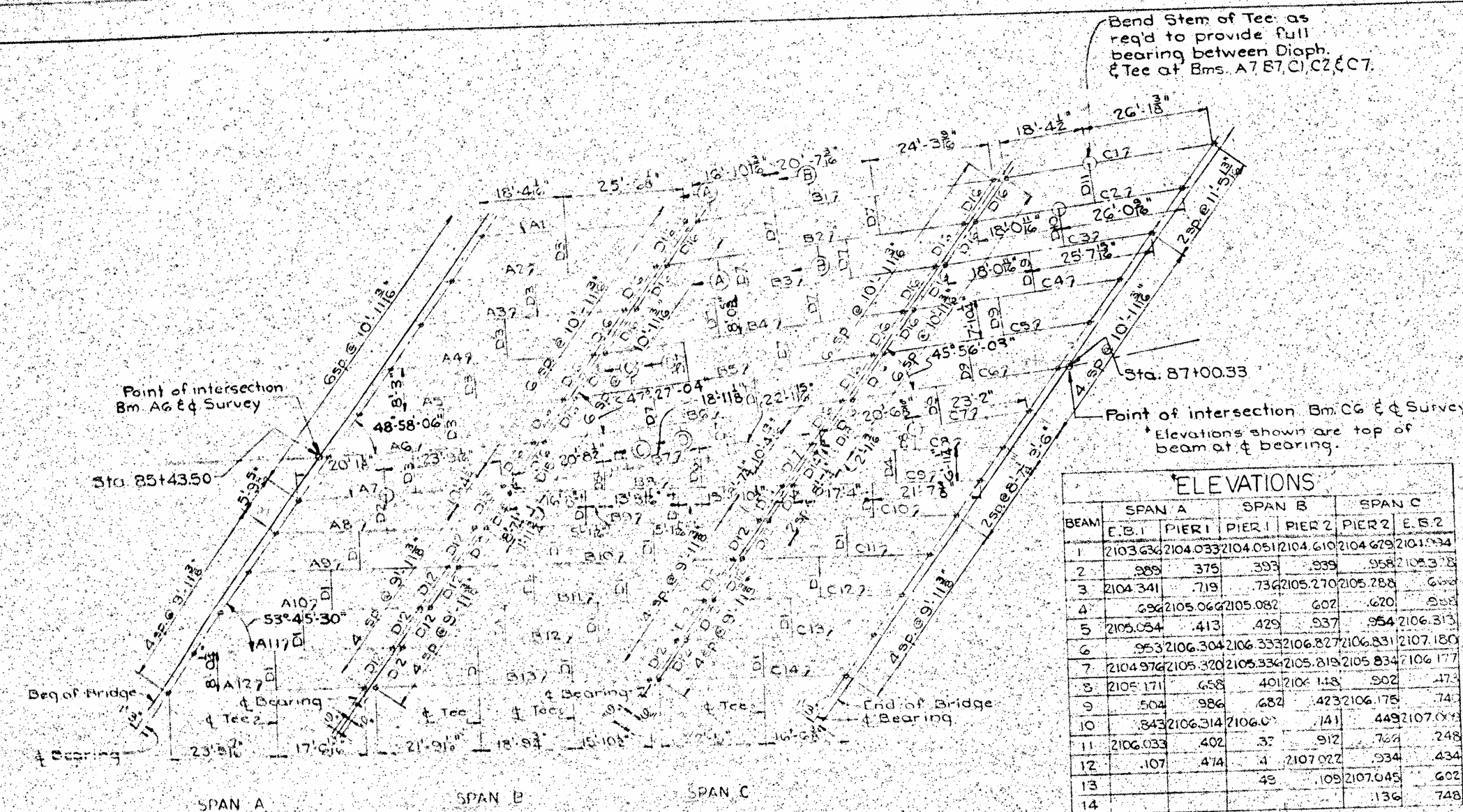
PROJECT NO. 8.3191101
BUNCOMBE COUNTY
STATION: 86/21.69

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

END BENT 2

S-82
110

SHS
NO.
C-2
SHEET
110



BEAM	SPAN A	SPAN B	SPAN C
1	2103.634	2104.033	2104.051
2	2103.634	2104.033	2104.051
3	2104.341	2105.270	2105.288
4	2105.054	2105.082	2105.082
5	2105.054	2105.082	2105.082
6	2105.054	2105.082	2105.082
7	2104.976	2105.334	2105.334
8	2105.171	2105.143	2105.143
9	2105.171	2105.143	2105.143
10	2105.171	2105.143	2105.143
11	2106.033	2107.022	2107.022
12	2106.033	2107.022	2107.022
13	2106.033	2107.022	2107.022
14	2106.033	2107.022	2107.022

PLAN
Scale: 1"=10'

BEAM	SIZE	COVER PLATE SIZE	WELD LENGTH	CAMBER
A1-A5, A7	36W150			
A6, A8-A12	36W135			
B1	36W160			
B2-B4	36W160			
B5-B7	36W160			
B8	36W150			
B9-B12	36W135			
B13	36W135			
C1-C5, C7	36W150			
C6, C8-C14	36W135			



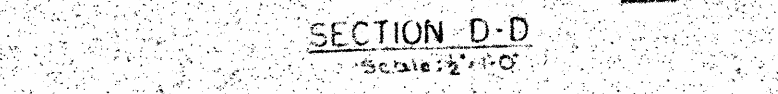
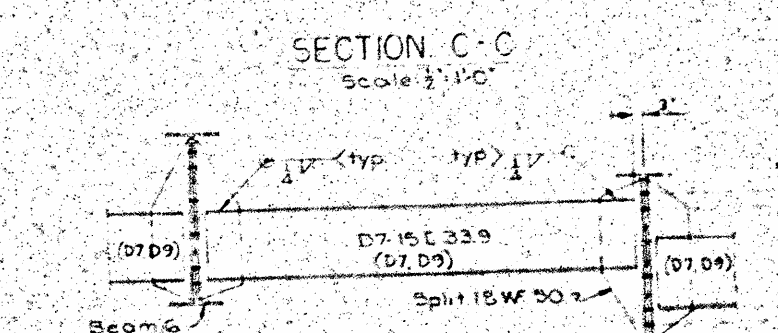
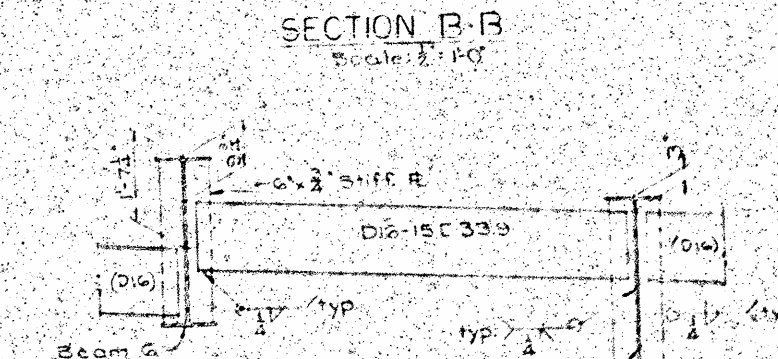
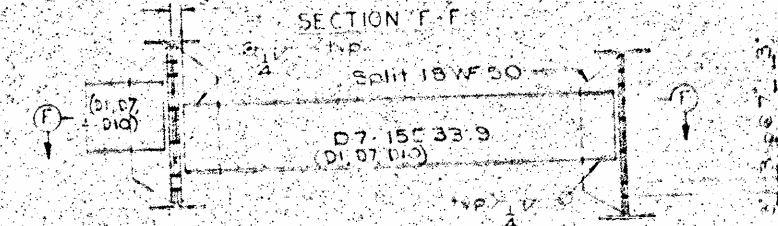
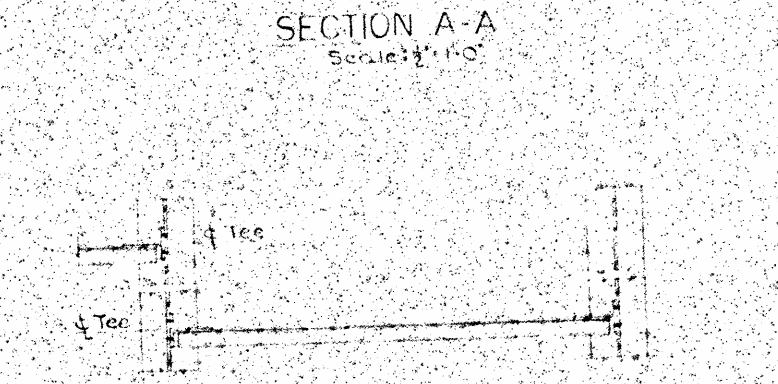
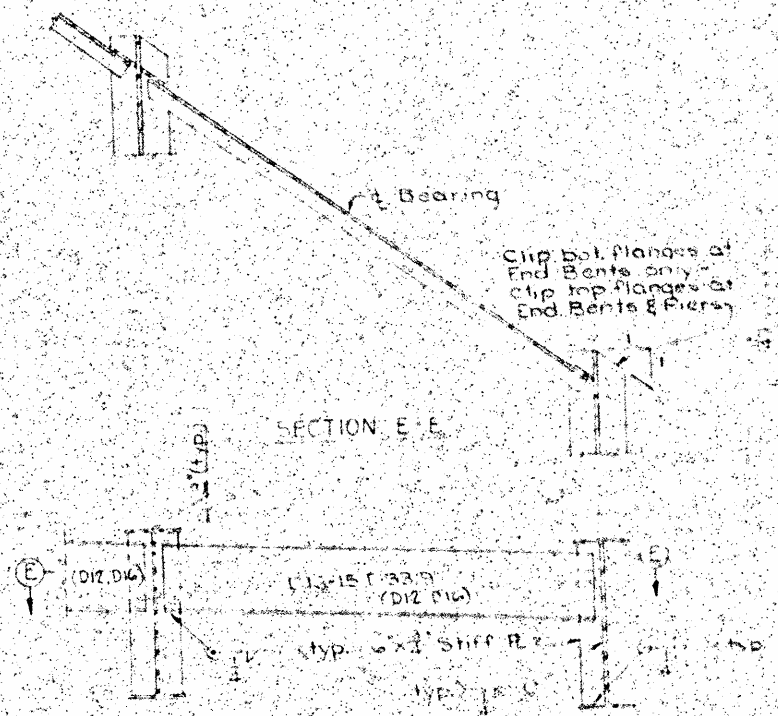
SECTION THRU BEAM
SHOWING STUDS
Scale: 1/2"=1'-0"

Stud spacing: 25sp @ 6", 17sp @ 9", 11eq. sp @ 17sp @ 9", 25sp @ 6", B1-B5 & B7
23sp @ 6", 15sp @ 9", 10eq. sp @ 15sp @ 9", 23sp @ 6", B8-B13

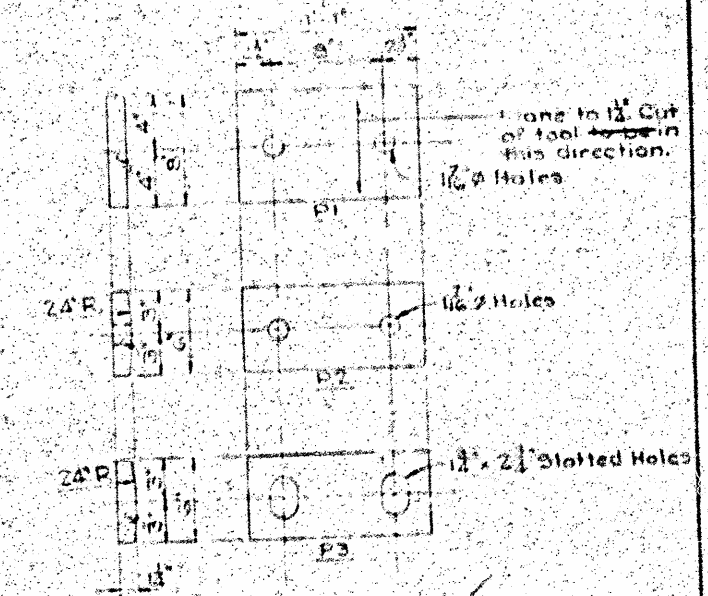
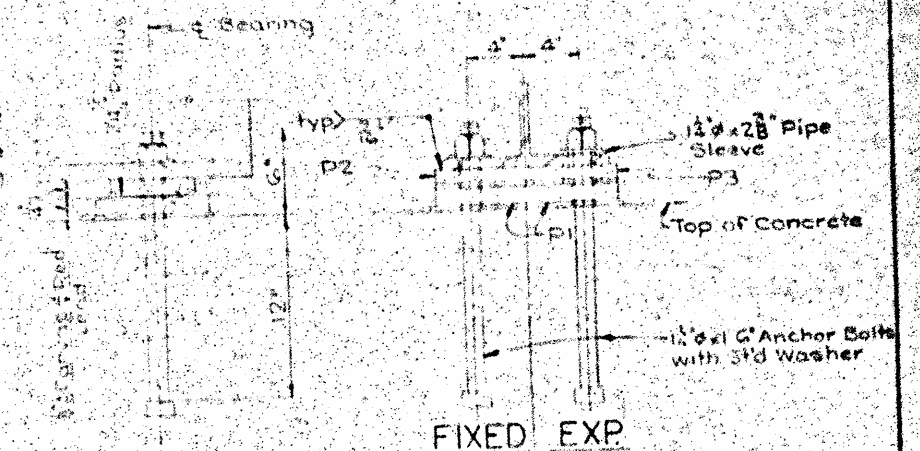
Span	Beam	Studs
SPAN A	B1-B7	25sp @ 6"
	B8-B13	23sp @ 6"
SPAN B	B1-B7	25sp @ 6"
	B8-B13	23sp @ 6"
SPAN C	B1-B7	25sp @ 6"
	B8-B13	23sp @ 6"

Note: Studs not req'd on BC.

SPAN B



Note: Field connections of Split 18W50 to beams shall be bolted using 3/4" high strength bolts in accordance with Specifications.



NOTE: FILL PLATES PLACED ON PIER NO. 1 & PIER NO. 2 SEE CORNO. NO. 8

Span	Beam	Location
Span A	Pier 1	P1, P2
	Pier 2	P1, P2
Span B	Pier 1	P1, P2
	Pier 2	P1, P2
Span C	Pier 1	P1, P2
	Pier 2	P1, P2

PROJECT NO. 8.3191101
BUNCOMBE COUNTY
STATION: 86+21.69

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

FRAMING PLAN

SPECIAL DESIGNED BY T.W. DATE 5-62
DRAWN BY J.W. DATE 5-62
TRACED BY J.W. DATE 5-62
CHECKED BY E.H.P. DATE 7-62

BEAM DETAILS
NO. 3031

S-86
110

110

COLUMN (1) Bottom of Overhang	COLUMN (2) Top of Curb	COLUMN (3)	COLUMN (4)	COLUMN (5) Top of Curb	COLUMN (6) Bottom of Overhang	COLUMN (7)
Dist. Elevation	Dist. Elevation	Dist. Elevation	Dist. Elevation	Dist. Elevation	Dist. Elevation	Dist. Elevation
2103.472 Fill Face		2104.304 Fill Face	2105.679 Fill Face		2105.120 Fill Face	
9.82' 544.85+90		1.52' 316.85+80	9.22' 757.25+60		2.65' 141.85+50	
9.79' 624		3.81' 336	9.96' 836		9.98' 221	
9.79' 704		5.81' 476	9.96' 916		9.98' 301	
9.79' 784.86+20		9.81' 556	9.96' 2105.936.85+30		9.98' 381	
9.06' 883.4 Pier 1		9.81' 636.26+20	7.12' 2106.053.4 Pier 1		9.98' 461.85+90	
9.73' 864.86+30		6.46' 683.4 Pier 1	2.84' 276.36+00		4.01' 493.4 Pier 1	
9.79' 2103.944		3.35' 716.86+30	9.96' 156		5.97' 541.86+00	
9.79' 2104.024		9.81' 736	9.96' 236		9.98' 621	
9.79' 104		9.81' 816	9.96' 316		9.98' 701	
9.79' 184		9.81' 2104.956	9.96' 396		9.98' 781	
9.79' 264		9.81' 2105.036	9.96' 476		9.98' 861	
9.79' 344.86+30		9.81' 116	9.96' 556.86+60		9.98' 2105.941.86+50	
5.43' 383.4 Pier 2		9.81' 196.86+90	1.43' 563.4 Pier 2		8.08' 2106.006.4 Pier 2	
4.36' 424.87+00		2.72' 218.4 Pier 2	8.53' 226.86+70		1.90' 621.86+60	
9.79' 504		7.19' 276.87+00	9.96' 716		9.98' 101	
9.79' 584		9.81' 356	9.96' 796		9.98' 181	
9.79' 666		9.81' 436	9.96' 876.87+00		9.98' 261	
9.79' 761.87+40		9.81' 516	8.26' 2106.342 Fill Face		9.98' 341.87+00	
3.89' 2104.804 Fill Face		9.81' 593.87+40			4.78' 2106.379 Fill Face	
		1.07' 2105.624 Fill Face				

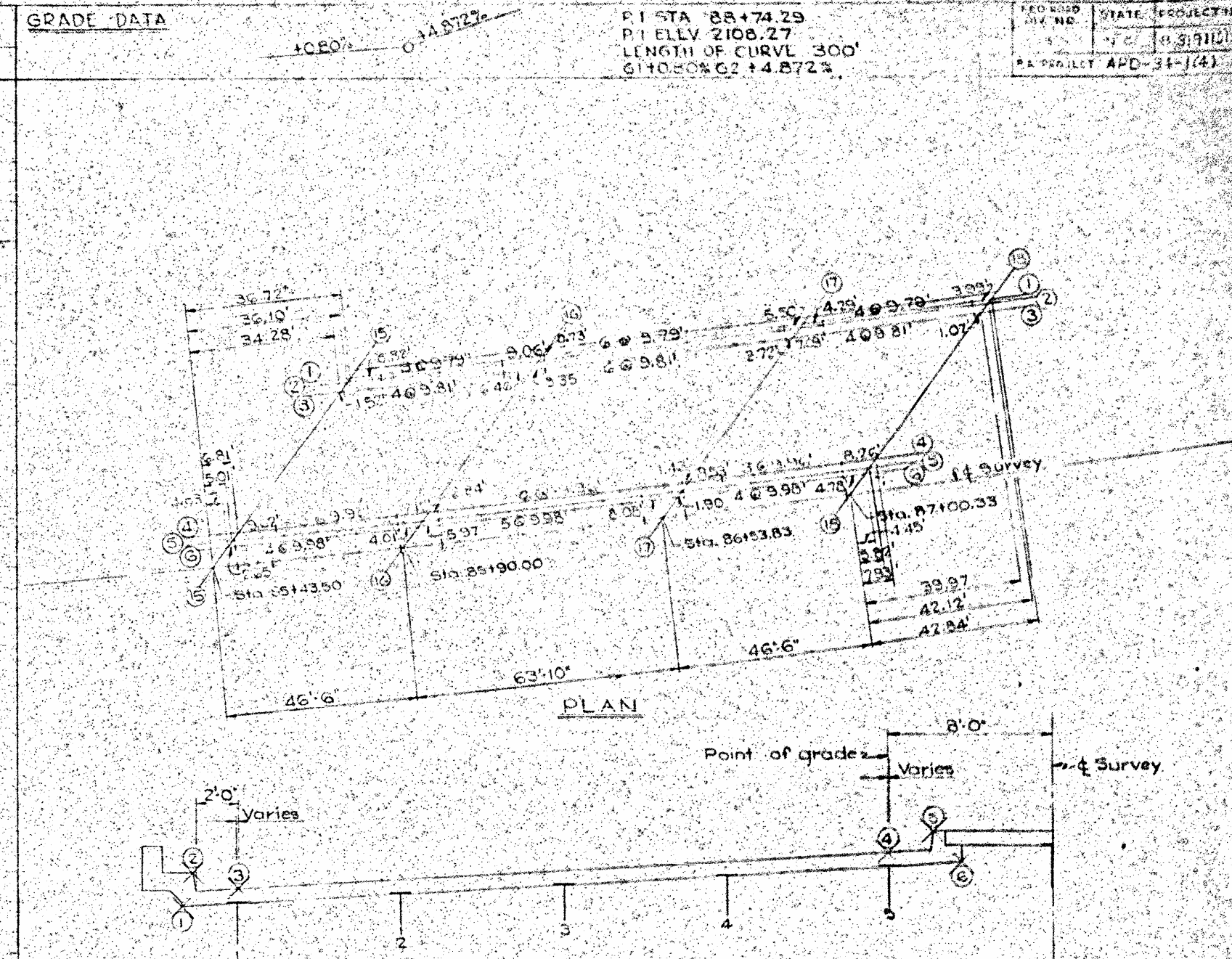


TABLE OF DEAD LOAD DEFLECTIONS (inches)								
	SPAN A			SPAN B			SPAN C	
Beam No.	1	2	3	1	2	3	1	2
Beam alone in place	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
Superimposed D.L.	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
Total	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
Vertical Curve Ord Camber				$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$		

Elevations shown in Columns 1 through 6 are final required elevations of the completed structure. In setting up the form and across elevations provisions ~~will be~~ made for deflections where required.

For Columns 15 through 18, given elevations are at 2' C intervals from 10' to 4' roadway from the left gutter line to the right gutter line.

COLUMN 15		COLUMN 16		COLUMN 17		COLUMN 18		COLUMN 19		COLUMN 20	
Fill	Face of L&E	Fill	Face of L&E	Fill	Face of L&E	Fill	Face of L&E	Fill	Face of L&E	Fill	Face of L&E
Distance		Elevation		Distance		Elevation		Distance		Elevation	
Lt Gutter	2104.218	Lt Gutter	2104.204	Lt Gutter	2105.134	Lt Gutter	2105.544				
	203		688		217		623				
	388		773		300		701				
	473		857		385		781				
	559	2104.342			468		860				
	645	2105.026			552	2105.91					
	730	1111			636	2106.021					
	816	197			719	103					
	901	282			804	185					
2104.367		267			888	269					
2105.073		452		2105.972		352					
159		538		2106.057		436					
246		623		142		520					
332		709		227		604					
418		795		311		688					
505		880		397		773					
592		967		482		857					
678		2103.052		567		2106.941					
Lt Inside 2105.765		Lt Inside 2106.139		Lt Inside 2106.652		Lt Inside 2107.076					
Gutter		Gutter		Gutter		Gutter					

PROJECT NO. 83191101
BUNCOMBE COUNTY
STATION: 86+21.69

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
CONSTRUCTION ELEVATIONS
SOUTHBOUND LANE
FOR SETTING UP
FORMS AND SCREEDS

REVISIONS						SHEET NO. 110
NO	BY	DATE	NO	BY	DATE	TOTAL SHEETS
					5-80	74
					110	

SPECIAL	DESIGNED BY	DATE
	DRAWN BY <i>WCB</i>	DATE 7-62
	TRACED BY	DATE
	CHECKED BY <i>TBY</i>	DATE 8-62

