
Bridge
Inspection
Records
Information
System

The requested documents have been generated by the BIRIS.

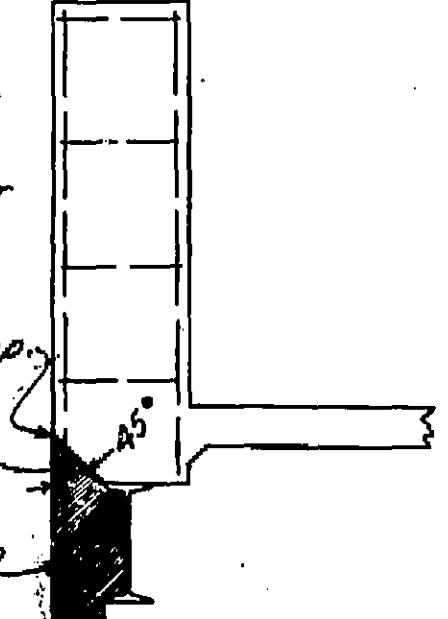
The documents provided are considered confidential and may only be released outside of the department of transportation upon proper execution of the confidentiality agreement.

State of California
Department of Transportation

**Division of Maintenance
Structures Maintenance & Investigations**

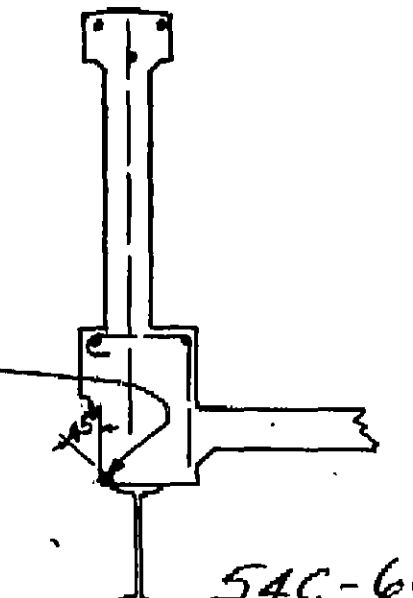
REMOVAL OF SPALLING CONCRETE

Remove concrete on all railing posts on structural steel portion of structure as shown below. Electrolier posts not to be included.
 Chip line on face of post parallel to steel stringer top.
 Remove concrete below this line.
 Burn off existing $\frac{1}{2}$ " bars flush with new cut.



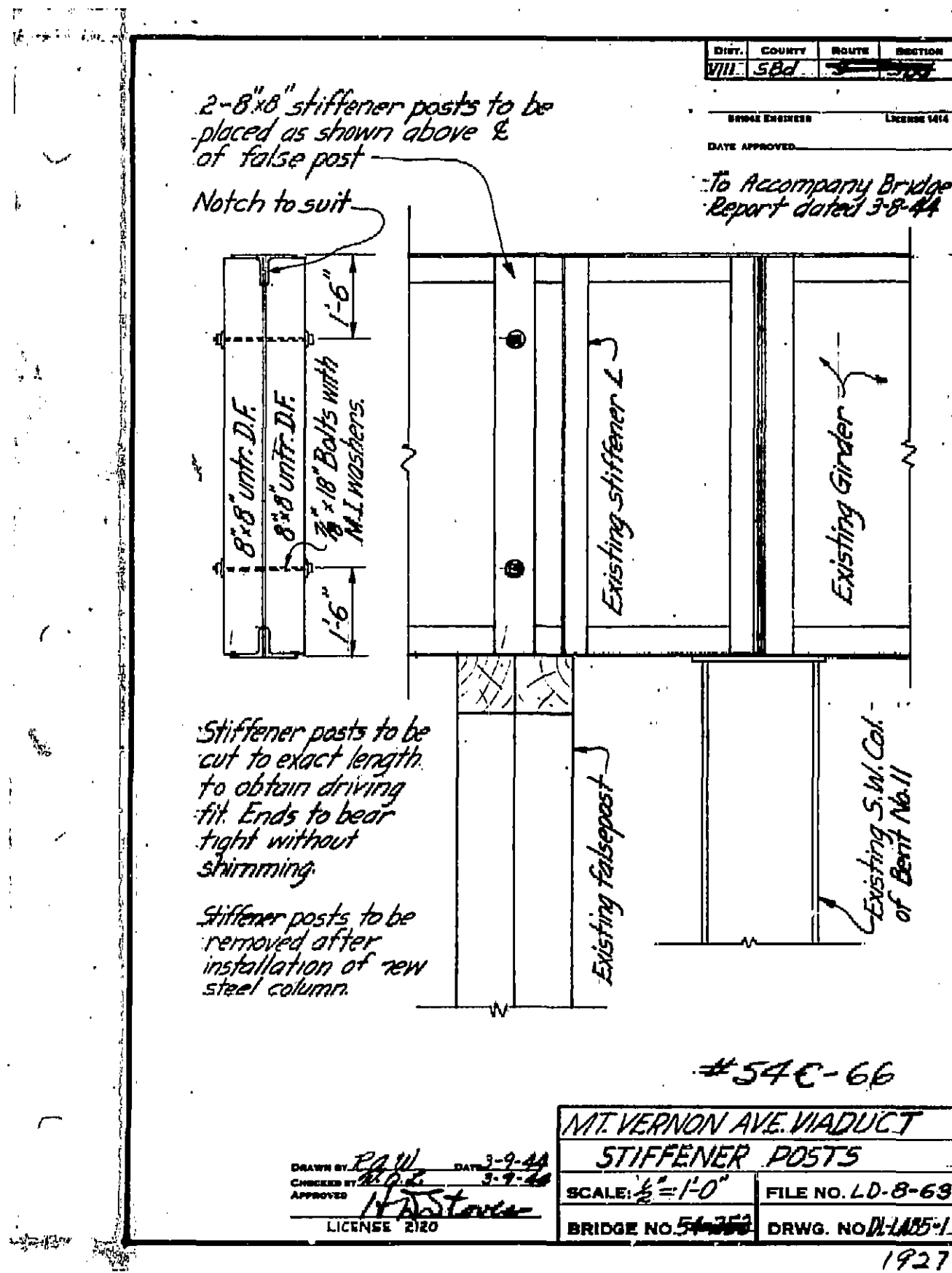
RAILING POST SECT.
Scale: $\frac{3}{4}$ " = 1'-0"

Remove concrete over structural steel portion of structure as shown below.
 Chip off concrete below this line where loose or spalling.



RAILING SECT.
Scale: $\frac{3}{4}$ " = 1'-0"

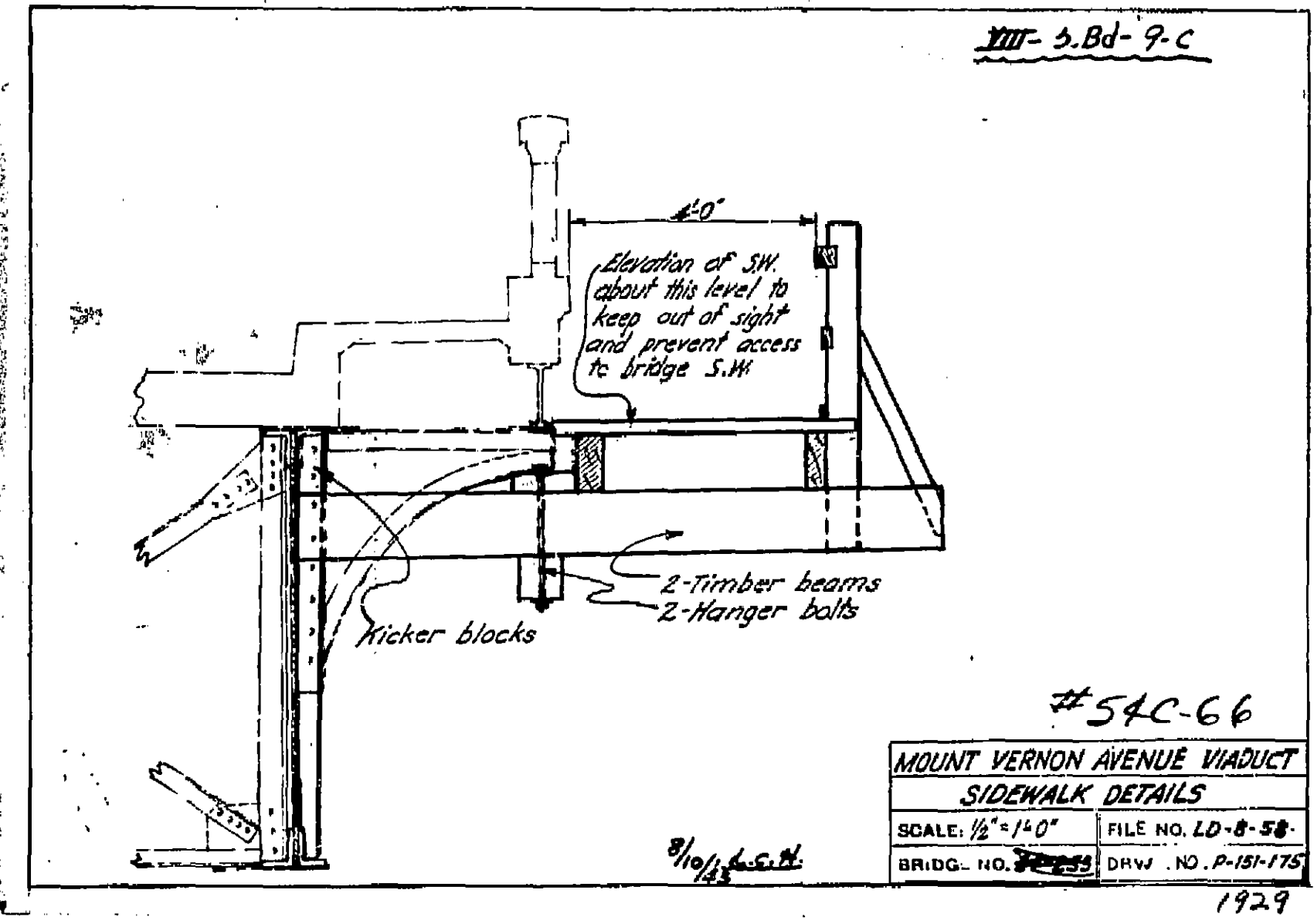
54C-66
 To accompany report of 6-25-46.
 1924 Drawing No. DL-1A85-2



DIST. COUNTY STATE REGION
 VIII. S.Bd. 3-10-66
 ENGINE DESIGNED LICENSE 1074
 DATE APPROVED
 To Accompany Bridge Report dated 3-8-66

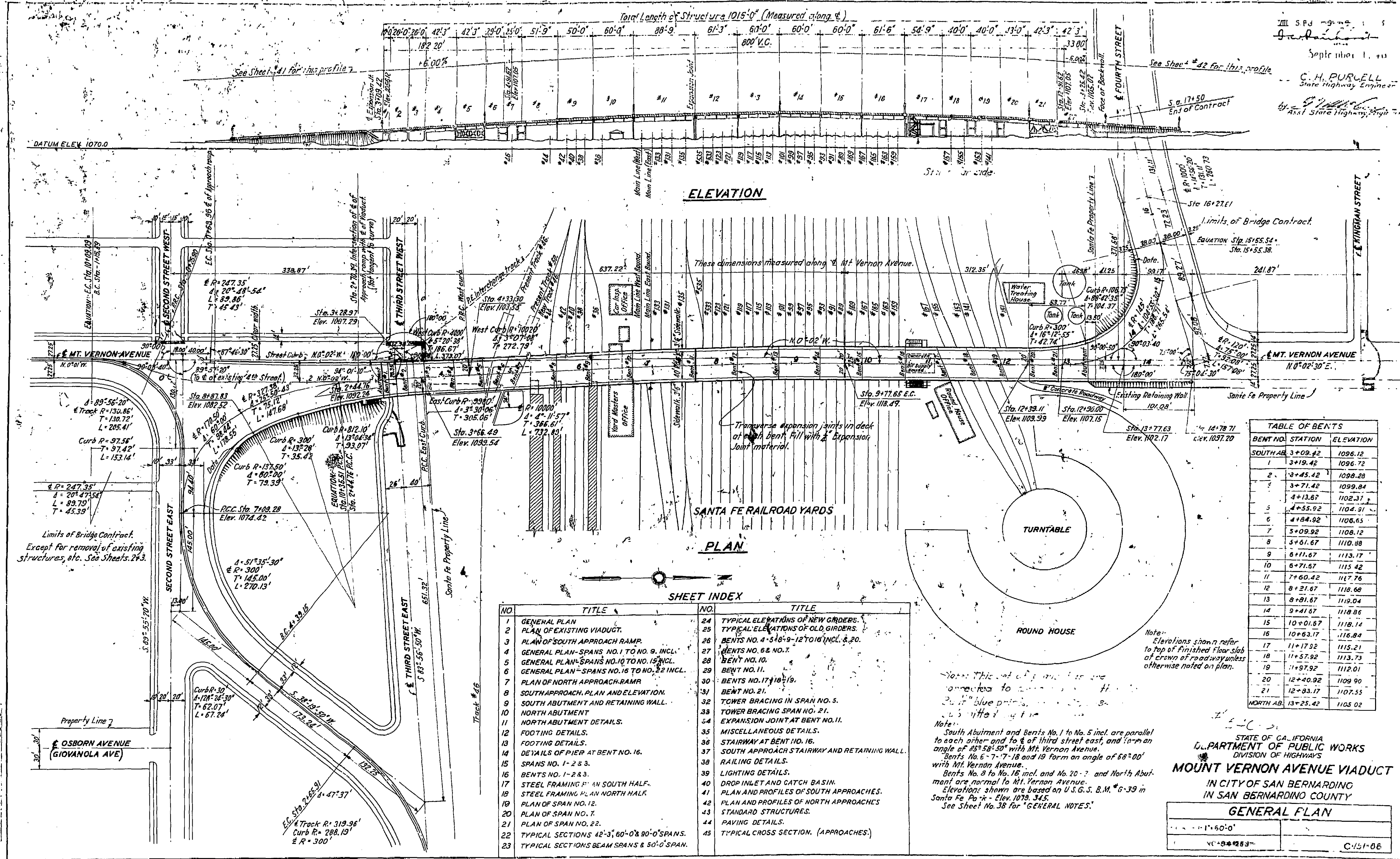
#54C-66

DRAWN BY <u>R.W.</u> DATE <u>3-9-66</u> CHECKED BY <u>R.P.L.</u> DATE <u>3-9-66</u> APPROVED <u>H. Dist. Engr.</u> LICENSE # <u>210</u>		MT. VERNON AVE. VIADUCT STIFFENER POSTS SCALE: $\frac{1}{2} = 1'-0"$ FILE NO. <u>L.D.-8-68</u> BRIDGE NO. <u>54-200</u> DRWG. NO. <u>D-1485-1</u>	
--	--	--	--



LIST OF REVISIONS AND PRINTS

1. Survey of D. J. ...
2. ...
3. ...



ELEVATION

PLAN

SHEET INDEX

NO.	TITLE	NO.	TITLE
1	GENERAL PLAN	24	TYPICAL ELEVATIONS OF NEW GIRDERS.
2	PLAN OF EXISTING VIADUCT.	25	TYPICAL ELEVATIONS OF OLD GIRDERS.
3	PLAN OF SOUTH APPROACH RAMP.	26	BENTS NO. 4-5, 8-9-12 TO 18 INCL. & 20.
4	GENERAL PLAN-SPANS NO. 1 TO NO. 9, INCL.	27	BENTS NO. 6 & NO. 7.
5	GENERAL PLAN-SPANS NO. 10 TO NO. 15, INCL.	28	BENT NO. 10.
6	GENERAL PLAN-SPANS NO. 16 TO NO. 22, INCL.	29	BENT NO. 11.
7	PLAN OF NORTH APPROACH RAMP.	30	BENTS NO. 17 & 19.
8	SOUTH APPROACH, PLAN AND ELEVATION.	31	BENT NO. 21.
9	SOUTH ABUTMENT AND RETAINING WALL.	32	TOWER BRACING IN SPAN NO. 5.
10	NORTH ABUTMENT	33	TOWER BRACING SPAN NO. 16.
11	NORTH ABUTMENT DETAILS.	34	EXPANSION JOINT AT BENT NO. 11.
12	FOOTING DETAILS.	35	MISCELLANEOUS DETAILS.
13	STAIRWAY DETAILS.	36	STAIRWAY AT BENT NO. 16.
14	DETAILS OF PIER AT BENT NO. 16.	37	SOUTH APPROACH STAIRWAY AND RETAINING WALL.
15	SPANS NO. 1-2 & 3.	38	RAILING DETAILS.
16	BENTS NO. 1-2 & 3.	39	LIGHTING DETAILS.
17	STEEL FRAMING PLAN SOUTH HALF.	40	DROP INLET AND CATCH BASIN.
18	STEEL FRAMING PLAN NORTH HALF.	41	PLAN AND PROFILES OF SOUTH APPROACHES.
19	PLAN OF SPAN NO. 12.	42	PLAN AND PROFILES OF NORTH APPROACHES.
20	PLAN OF SPAN NO. 7.	43	STANDARD STRUCTURES.
21	PLAN OF SPAN NO. 22.	44	PAVING DETAILS.
22	TYPICAL SECTIONS 42'-3", 60'-0" & 90'-0" SPANS.	45	TYPICAL CROSS SECTION. (APPROACHES)
23	TYPICAL SECTIONS BEAM SPANS & 50'-0" SPAN.		

TABLE OF BENTS

BENT NO.	STATION	ELEVATION
SOUTH AB.		
3+09.42		1096.12
1	3+19.42	1096.72
2	3+45.42	1098.28
3	3+71.42	1099.84
	4+13.67	1102.31
5	4+55.92	1104.91
6	4+84.92	1106.65
7	5+09.92	1108.12
8	5+61.67	1110.88
9	6+11.67	1113.17
10	6+71.67	1115.42
11	7+60.42	1117.76
12	8+21.67	1118.68
13	8+81.67	1119.04
14	9+41.67	1118.86
15	10+01.67	1118.14
16	10+63.17	1116.84
17	11+17.92	1115.21
18	11+57.92	1113.73
19	11+97.92	1112.01
20	12+40.92	1109.90
21	12+83.17	1107.55
NORTH AB.		
13+25.42		1105.02

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
MOUNT VERNON AVENUE VIADUCT
IN CITY OF SAN BERNARDINO
IN SAN BERNARDINO COUNTY

GENERAL PLAN

Scale: 1" = 60'-0"

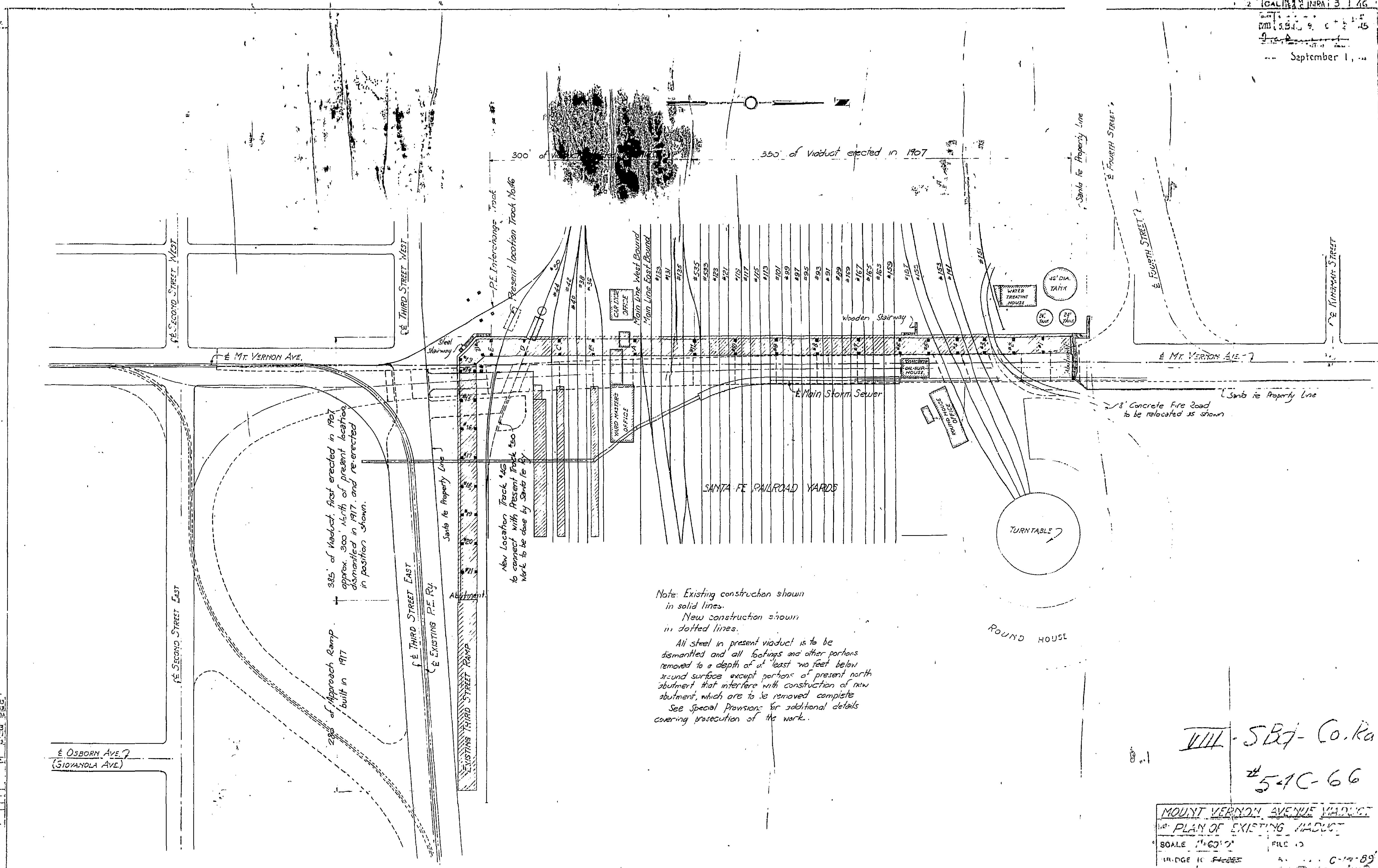
VC+9+423.3

C-151-06

Note: This sheet and its contents are connected to sheets 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

GLE 19-35
FR 18-32
GLE 18-34
F.M. 16-31
F.M. 16-33
NEW 18-35
del by GLE 19-35
HDS

GAL 13 1 46
 9-1-15
 September 1, ...



Note: Existing construction shown in solid lines.
 New construction shown in dotted lines.
 All steel in present viaduct is to be dismantled and all footings and other portions removed to a depth of at least two feet below ground surface except portions of present north abutment that interfere with construction of new abutment, which are to be removed complete.
 See special provisions for additional details covering prosecution of the work.

VIII - SBT - Co. Ra
 #5-1C-66

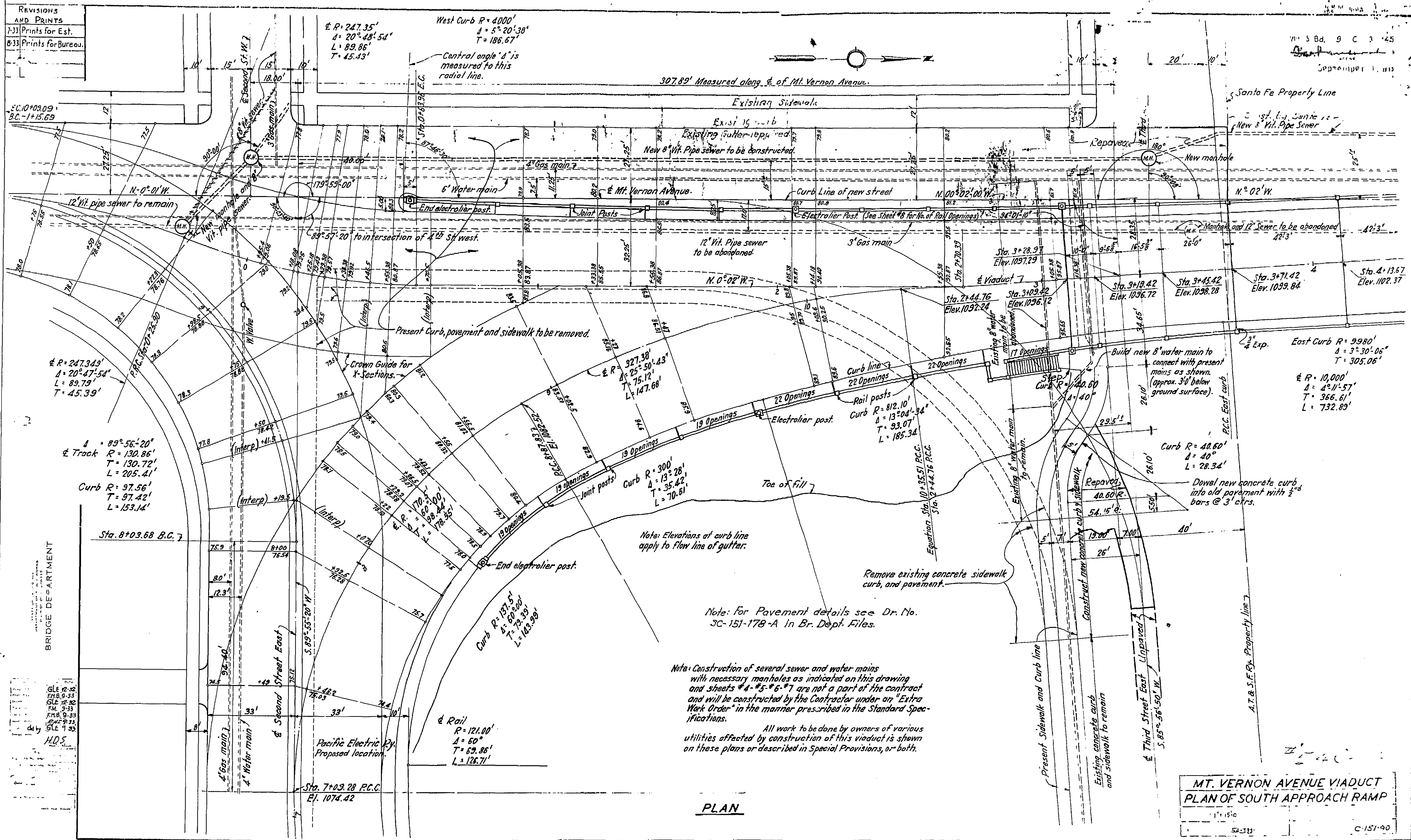
MOUNT VERNON AVENUE YARDS
 PLAN OF EXISTING VIADUCT
 SCALE 1"=60' 0"
 FILE 13
 BRIDGE 11-1-22
 C-1-89

BRIDGE DEPARTMENT

Drawn	GLC 9-15
Checked	PHB 9-28
Designed	PHB 9-28
Reviewed	GLC 9-28
Approved	HDS

REVISIONS AND PRINTS
7-33 Prints for Est.
8-33 Prints for Bureau.

VII S Bd. 9 C 3 45
 September 1, 1913



PLAN

**MT. VERNON AVENUE VIADUCT
 PLAN OF SOUTH APPROACH RAMP**

Note: Elevations of curb line apply to flow line of gutter.

Note: for Pavement details see Dr. No. 3C-151-178-A in Br. Dept. Files.

Note: Construction of several sewer and water mains with necessary manholes as indicated on this drawing and sheets 4-5-6-7 are not a part of the contract and will be constructed by the Contractor under an "Extra Work Order" in the manner prescribed in the Standard Specifications.

All work to be done by owners of various utilities affected by construction of this viaduct is shown on these plans or described in Special Provisions, or both.

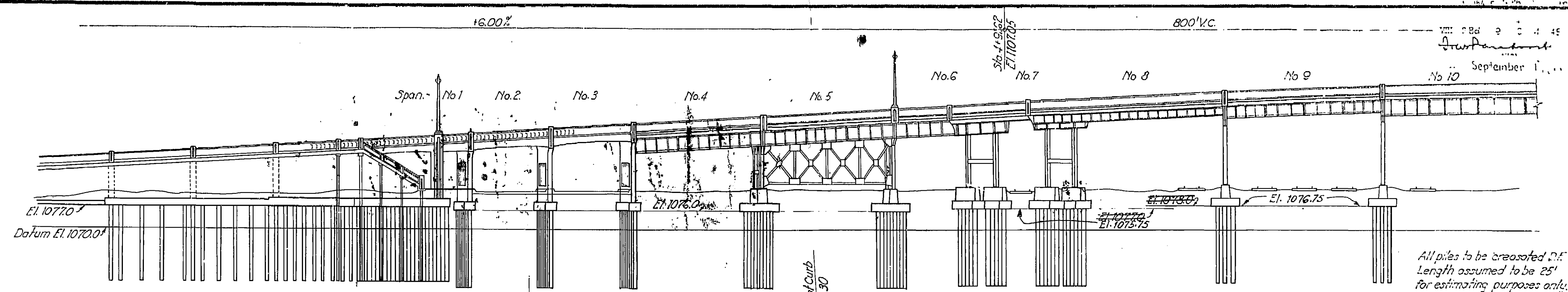
BRIDGE DEPARTMENT

GLE 12-22
 ENR 9-33
 T.M. 9-33
 F.M.B. 9-33
 S.W. 9-33
 GLE 7-33
 H.D.S.

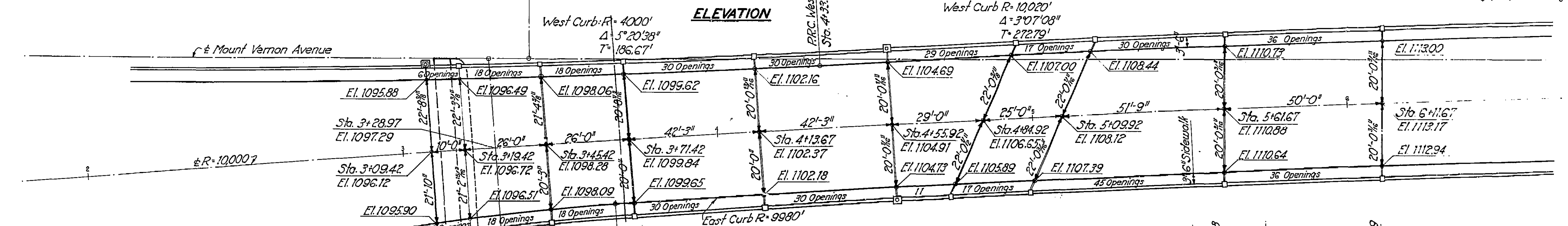
1" = 15' 0"
 52-333 C-151-90

Revisions
And Prints
1 32 Prints for Est.
8 11 Prints for B.P.R.

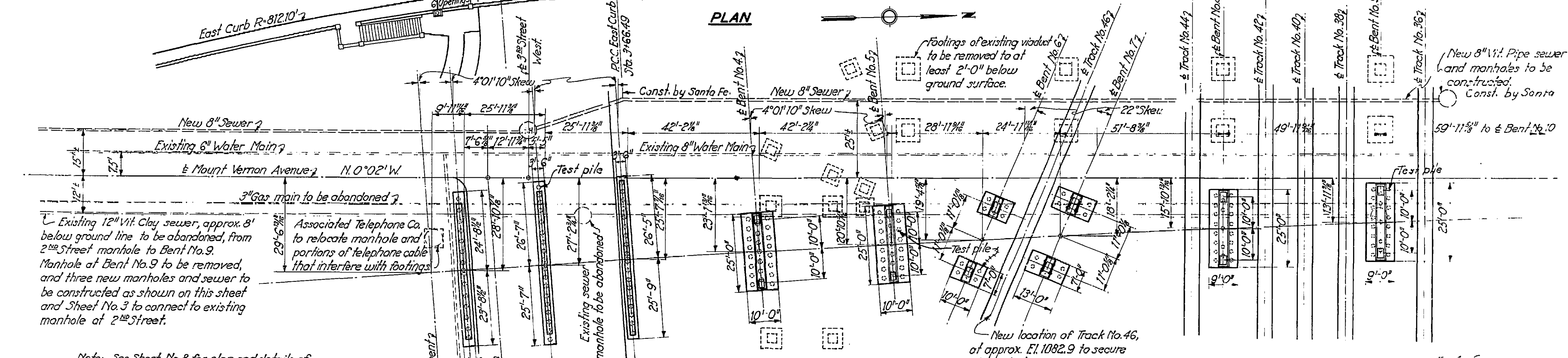
September 1, 1915



All piles to be creosoted. Length assumed to be 25' for estimating purposes only.



PLAN



FOOTING PLAN

Existing 12" vit. Clay sewer, approx. 8' below ground line to be abandoned, from 2nd Street manhole to Bent No. 9. Manhole at Bent No. 9 to be removed, and three new manholes and sewer to be constructed as shown on this sheet and Sheet No. 3 to connect to existing manhole at 2nd Street.

Note: See Sheet No. 8 for plan and details of South Abutment, Retaining Wall

See Sheet No. 3 for details concerning relocation of 8" Water Main.

**MOUNT VERNON AVENUE VIADUCT
GENERAL PLAN
SPANS NO. 1 TO NO. 9 INCL.**

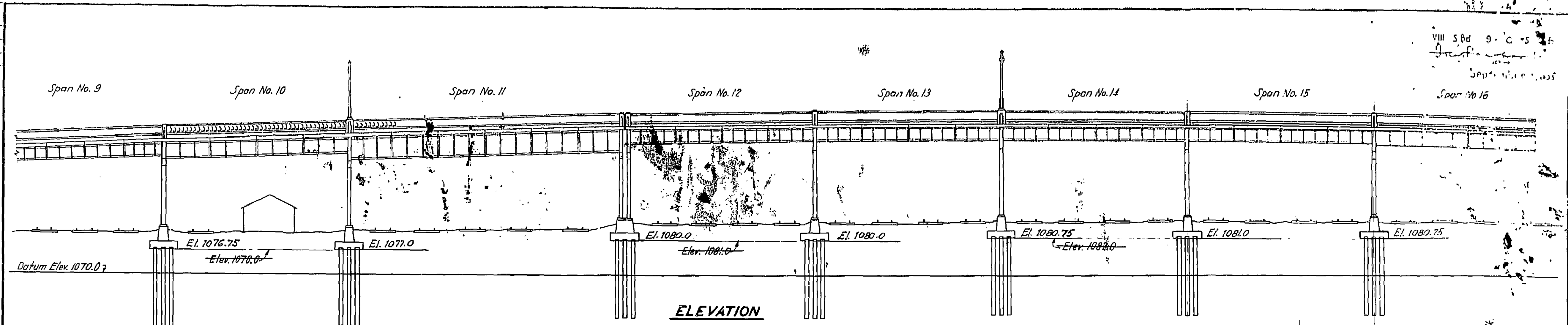
54-257- C 19-91

BRIDGE DEPARTMENT

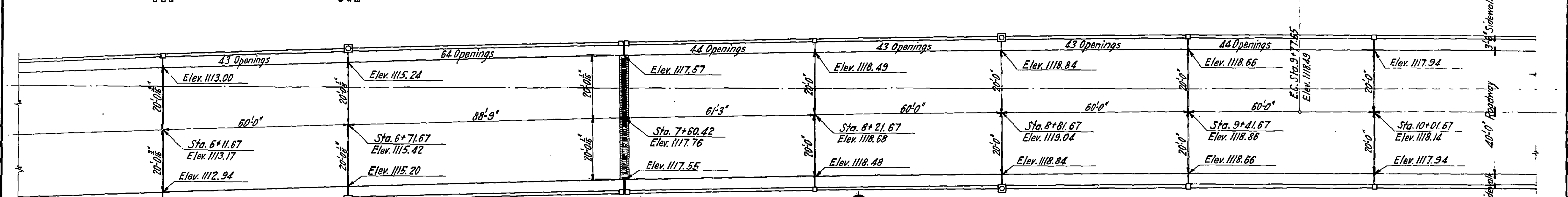
GLE 10-32
T.M. 9-33
S.L.E. 12-32
F.G. 8-30-33
T.H. 9-33
C.W. 9-33
GLE 7-35
H.D.S.

REVISIONS
AND PRINTS
7-33 Prints for Est.

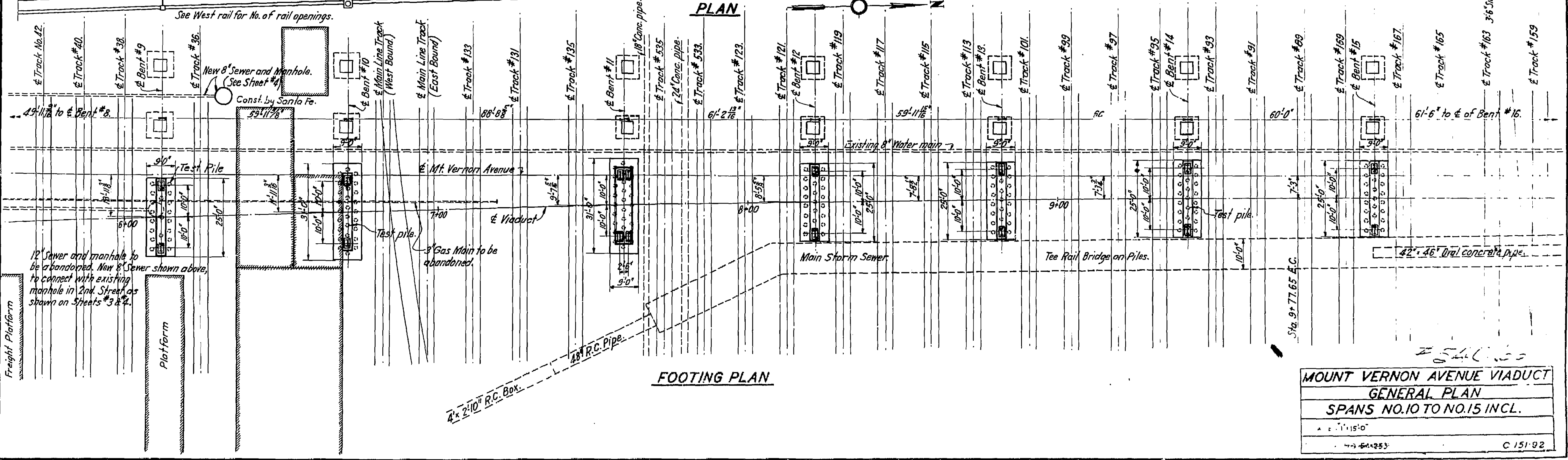
VIII 5 Bd 9 C-5
SPP 10/11/1935



ELEVATION



PLAN



FOOTING PLAN

**MOUNT VERNON AVENUE VIADUCT
GENERAL PLAN
SPANS NO. 10 TO NO. 15 INCL.**

BRIDGE DEPARTMENT

SLE 12-3-35
TNS 9-3-35
GLE 2-28-35
F.M. 8-3-35
H.B. 9-3-35
S.P. 7-1-35
C.D. 4-1-35
H.D.S.

12" Sewer and manhole to be abandoned. New 8" Sewer shown above, to connect with existing manhole in 2nd Street as shown on Streets 3 & 4.

Gas Main to be abandoned.

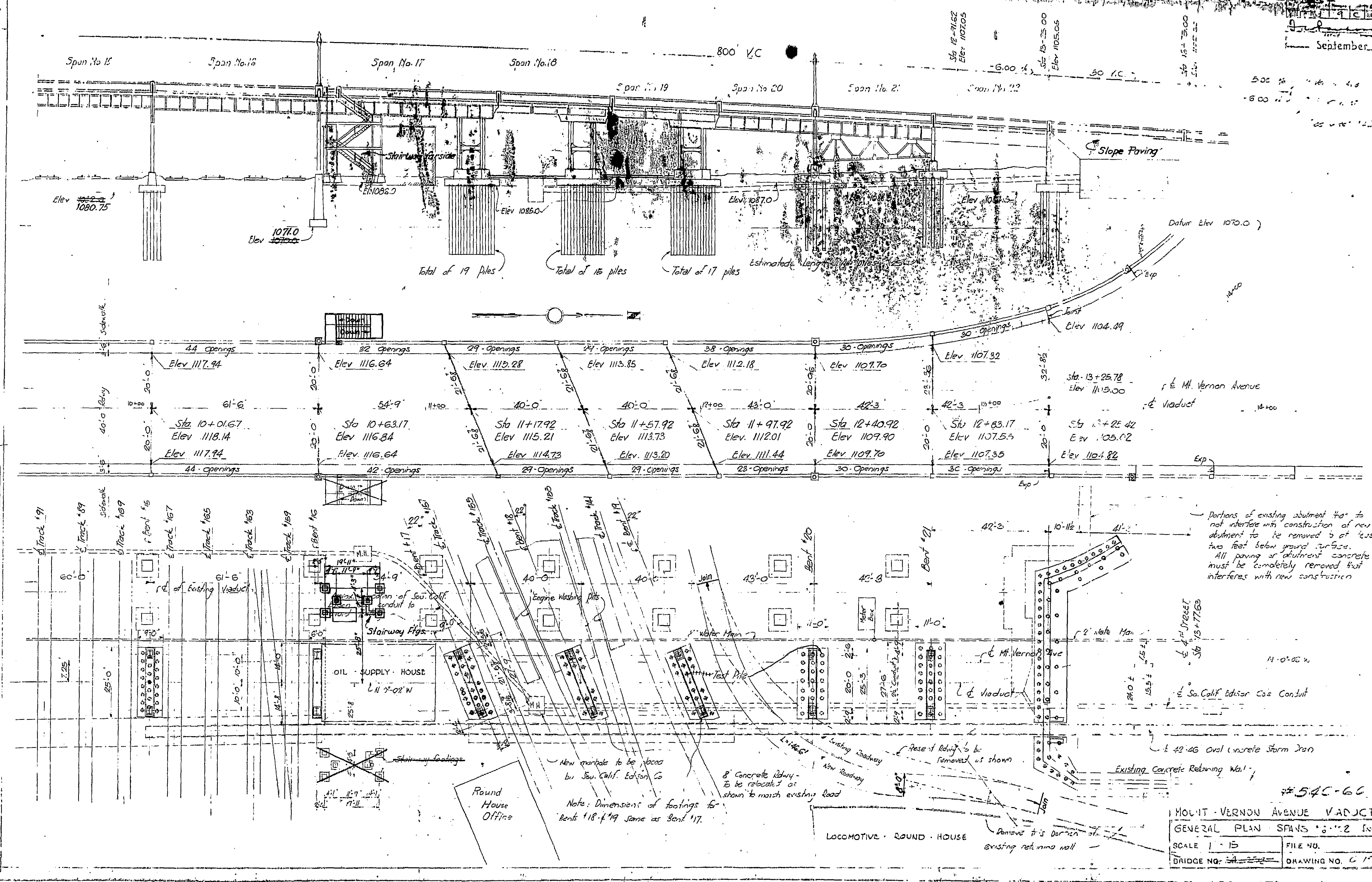
Main Storm Sewer

Tee Rail Bridge on Piles.

25/11/35

4-11-35
C 151-92

September 1, 1933



Quantity	Unit	Value
1	Span	15
1	Span	16
1	Span	17
1	Span	18
1	Span	19
1	Span	20
1	Span	21
1	Span	22
1	Span	23
1	Span	24
1	Span	25
1	Span	26
1	Span	27
1	Span	28
1	Span	29
1	Span	30
1	Span	31
1	Span	32
1	Span	33
1	Span	34
1	Span	35
1	Span	36
1	Span	37
1	Span	38
1	Span	39
1	Span	40
1	Span	41
1	Span	42
1	Span	43
1	Span	44
1	Span	45
1	Span	46
1	Span	47
1	Span	48
1	Span	49
1	Span	50
1	Span	51
1	Span	52
1	Span	53
1	Span	54
1	Span	55
1	Span	56
1	Span	57
1	Span	58
1	Span	59
1	Span	60
1	Span	61
1	Span	62
1	Span	63
1	Span	64
1	Span	65
1	Span	66
1	Span	67
1	Span	68
1	Span	69
1	Span	70
1	Span	71
1	Span	72
1	Span	73
1	Span	74
1	Span	75
1	Span	76
1	Span	77
1	Span	78
1	Span	79
1	Span	80
1	Span	81
1	Span	82
1	Span	83
1	Span	84
1	Span	85
1	Span	86
1	Span	87
1	Span	88
1	Span	89
1	Span	90
1	Span	91
1	Span	92
1	Span	93
1	Span	94
1	Span	95
1	Span	96
1	Span	97
1	Span	98
1	Span	99
1	Span	100

Portions of existing abutment #4 to not interfere with construction of new abutment to be removed to at least two feet below ground surface. All paving or adjacent concrete must be completely removed that interferes with new construction.

Note: Dimensions of footings for Bents #18-#19 same as Bent #17.

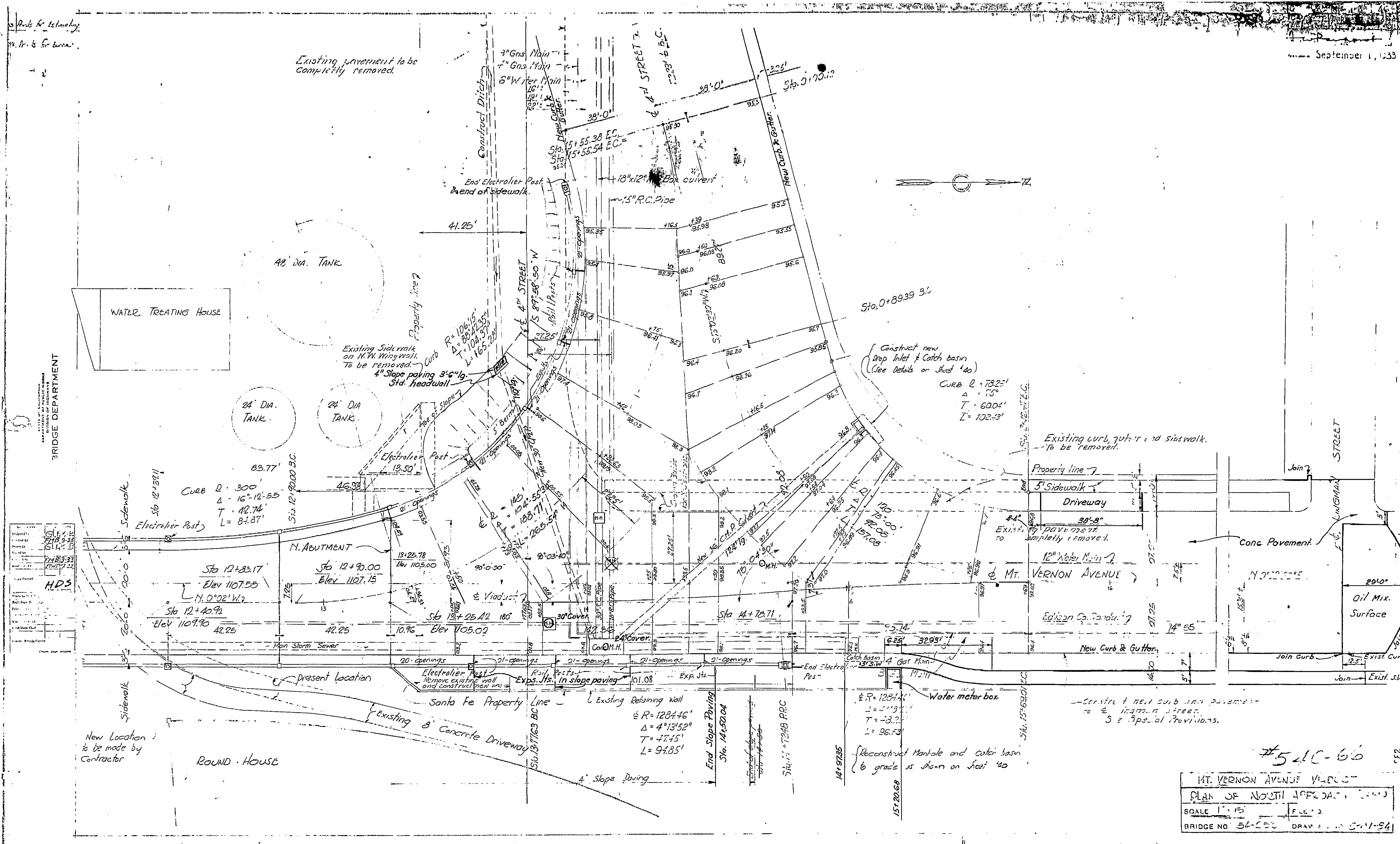
MOUNT VERNON AVENUE VIADUCT	
GENERAL PLAN SPANS #15-22 INCL	
SCALE 1" = 15'	FILE NO.
BRIDGE NO. 54C-66	DRAWING NO. C-1-1-27

BRIDGE DEPARTMENT

Plans for technical
19. 11. 6 for review.

September 1, 1933

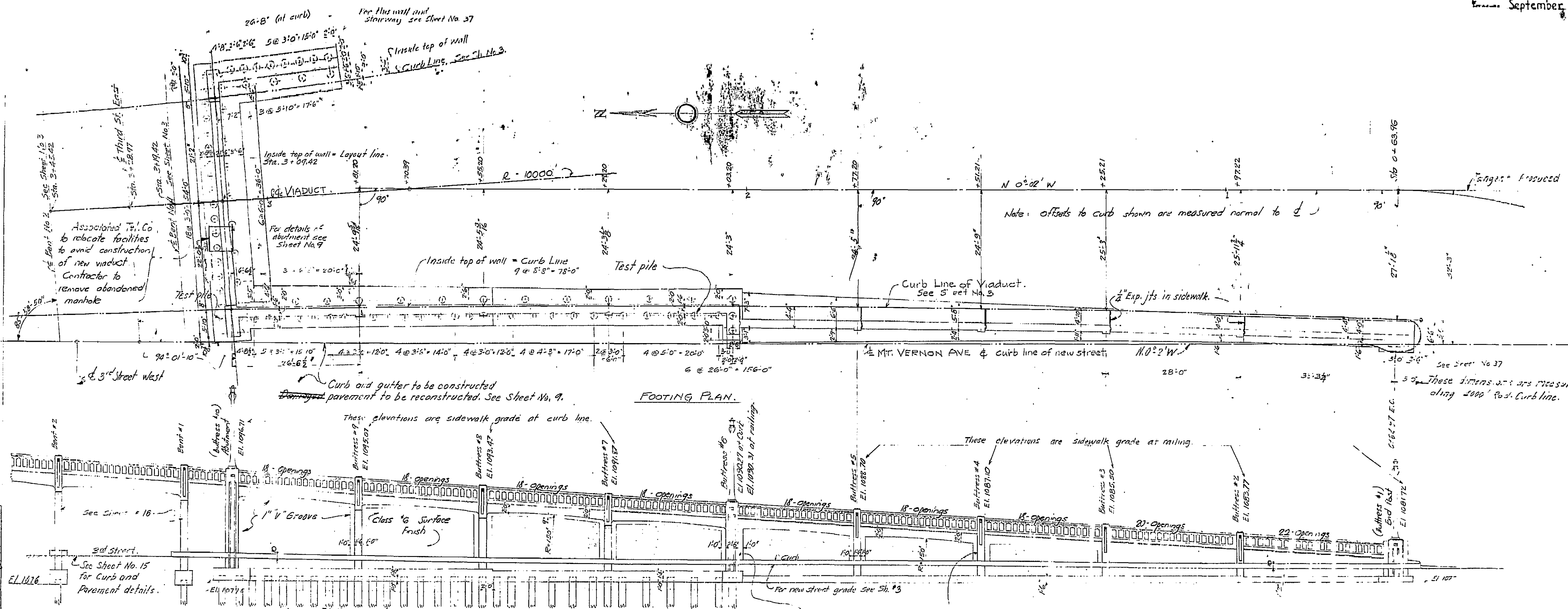
Existing pavement to be
completely removed.



1	10/15/33	10/15/33
2	10/15/33	10/15/33
3	10/15/33	10/15/33
4	10/15/33	10/15/33
5	10/15/33	10/15/33
6	10/15/33	10/15/33
7	10/15/33	10/15/33
8	10/15/33	10/15/33
9	10/15/33	10/15/33
10	10/15/33	10/15/33
11	10/15/33	10/15/33
12	10/15/33	10/15/33
13	10/15/33	10/15/33
14	10/15/33	10/15/33
15	10/15/33	10/15/33
16	10/15/33	10/15/33
17	10/15/33	10/15/33
18	10/15/33	10/15/33
19	10/15/33	10/15/33
20	10/15/33	10/15/33
21	10/15/33	10/15/33
22	10/15/33	10/15/33
23	10/15/33	10/15/33
24	10/15/33	10/15/33
25	10/15/33	10/15/33
26	10/15/33	10/15/33
27	10/15/33	10/15/33
28	10/15/33	10/15/33
29	10/15/33	10/15/33
30	10/15/33	10/15/33
31	10/15/33	10/15/33
32	10/15/33	10/15/33
33	10/15/33	10/15/33
34	10/15/33	10/15/33
35	10/15/33	10/15/33
36	10/15/33	10/15/33
37	10/15/33	10/15/33
38	10/15/33	10/15/33
39	10/15/33	10/15/33
40	10/15/33	10/15/33
41	10/15/33	10/15/33
42	10/15/33	10/15/33
43	10/15/33	10/15/33
44	10/15/33	10/15/33
45	10/15/33	10/15/33
46	10/15/33	10/15/33
47	10/15/33	10/15/33
48	10/15/33	10/15/33
49	10/15/33	10/15/33
50	10/15/33	10/15/33

#5410-60

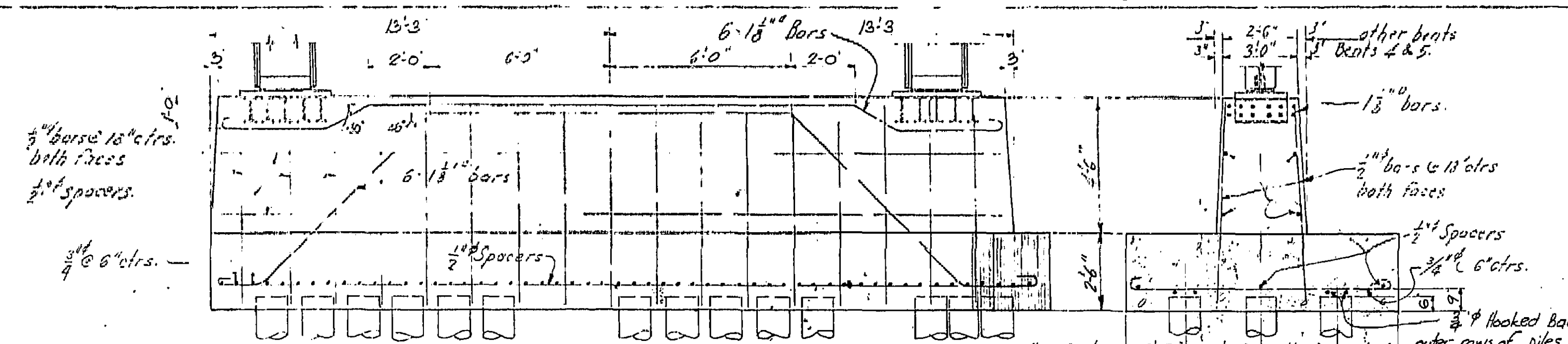
MT. VERNON AVENUE VIADUCT
 PLAN OF NORTH APPROACH
 SCALE 1"=10'
 BRIDGE NO. 54-250 DRAWING NO. 541-94



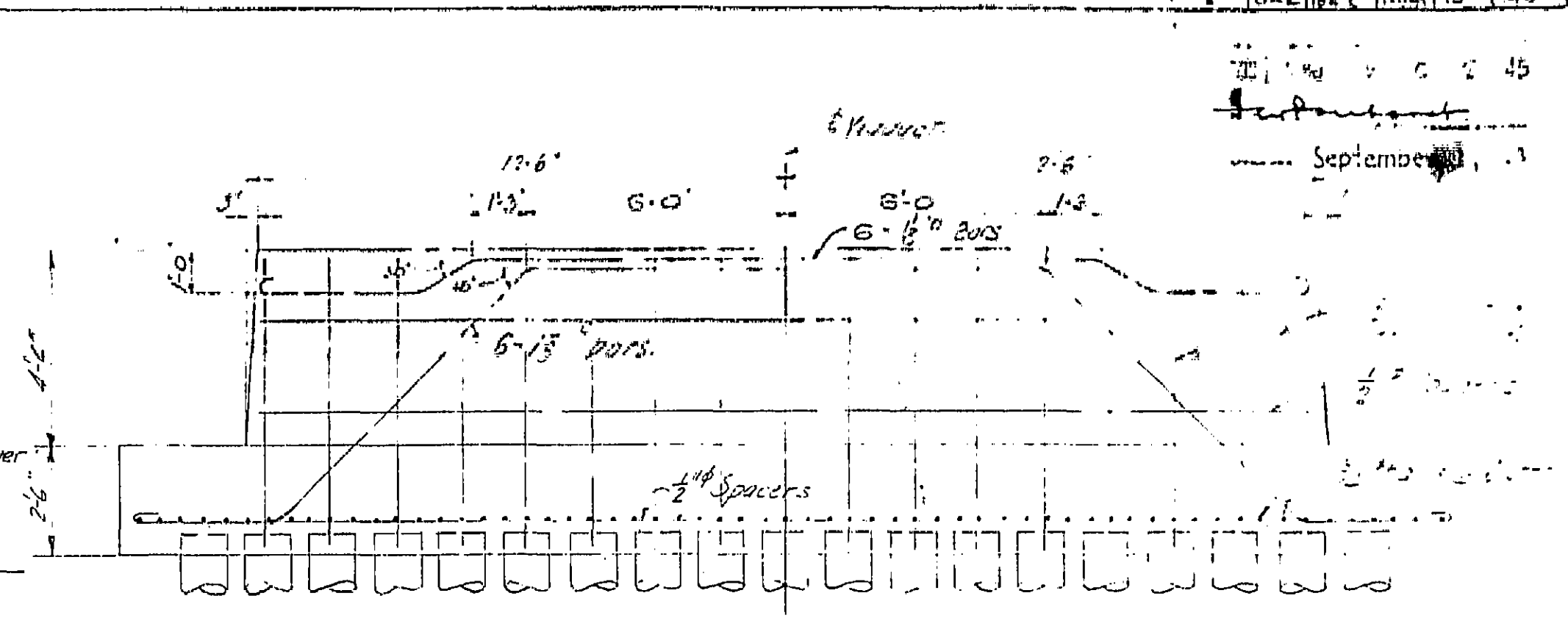
Checked by	W. L. H. S.
Designed by	F. H. B.
Drawn by	F. H. B.
Reviewed by	F. H. B.
Approved by	F. H. B.
Scale	1" = 10'-0"
Date	9/1/33
Sheet No.	54C-66
Project No.	1076
Contract No.	
Client	
Engineer	
Architect	
Structural	
Mechanical	
Electrical	
Sanitary	
Other	

#54C-66

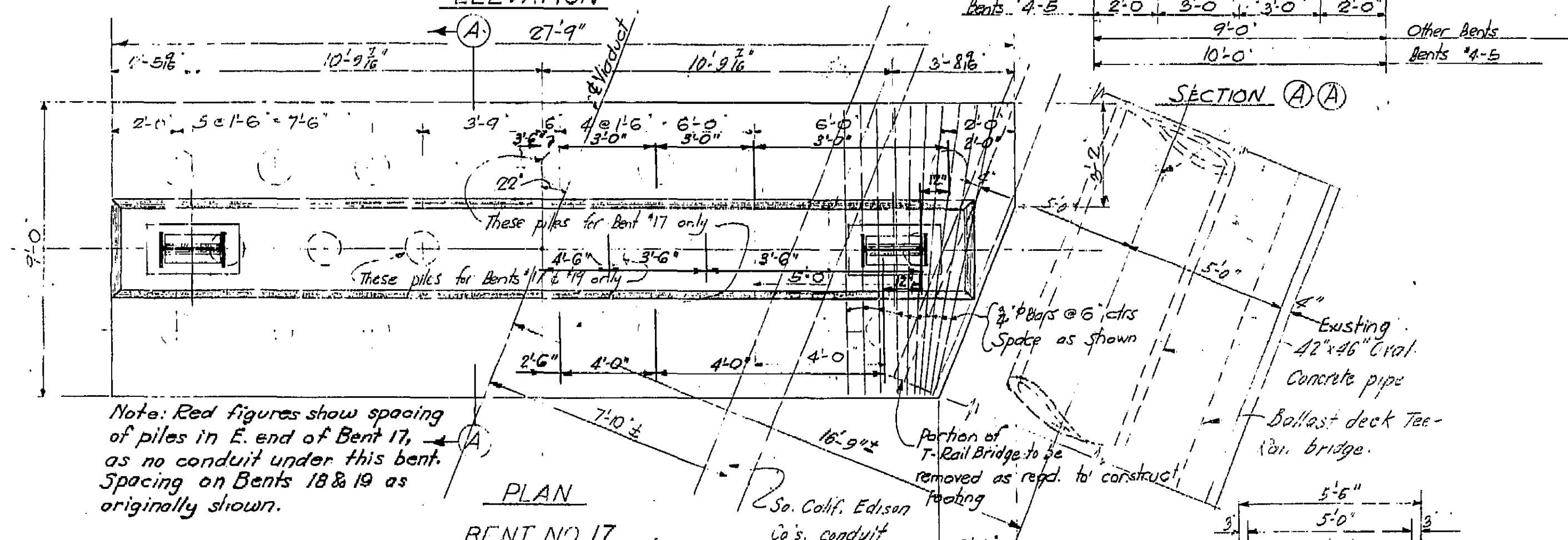
I. T. VERNON AVE. BRIDGE	
S. T. H. APPR. 4CH. 1076	
SCALE 1" = 10'-0"	FILE NO.
BRIDGE NO. 1076	DRAWING NO. 5-1-1 95



ELEVATION



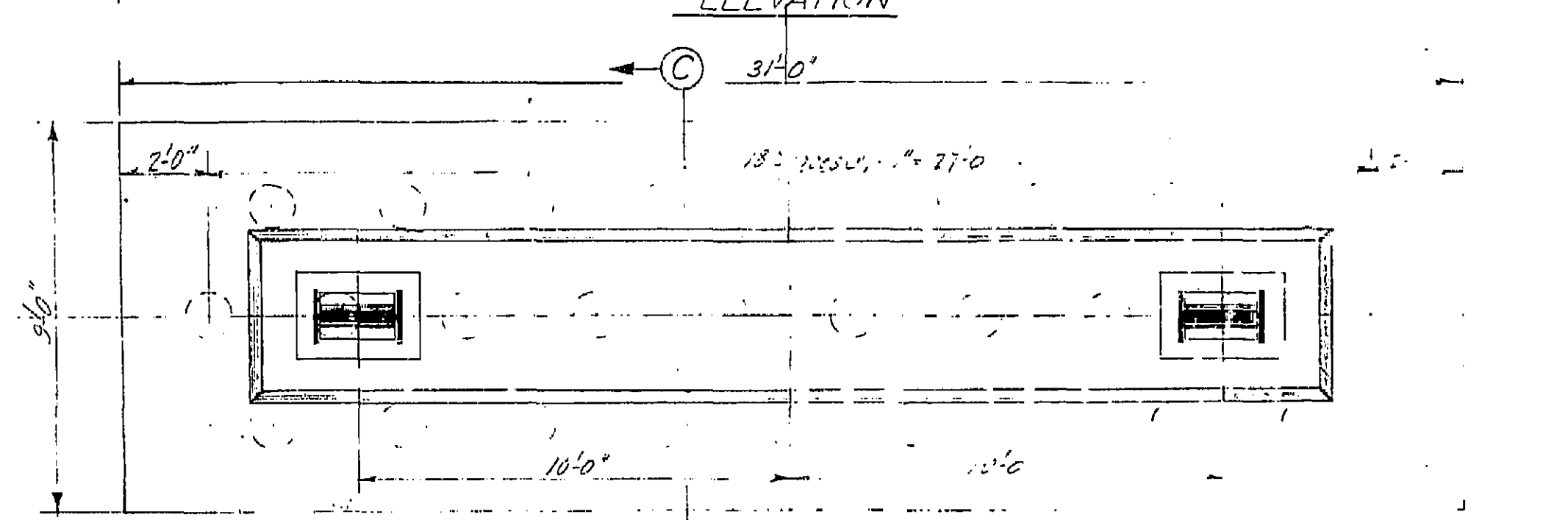
ELEVATION



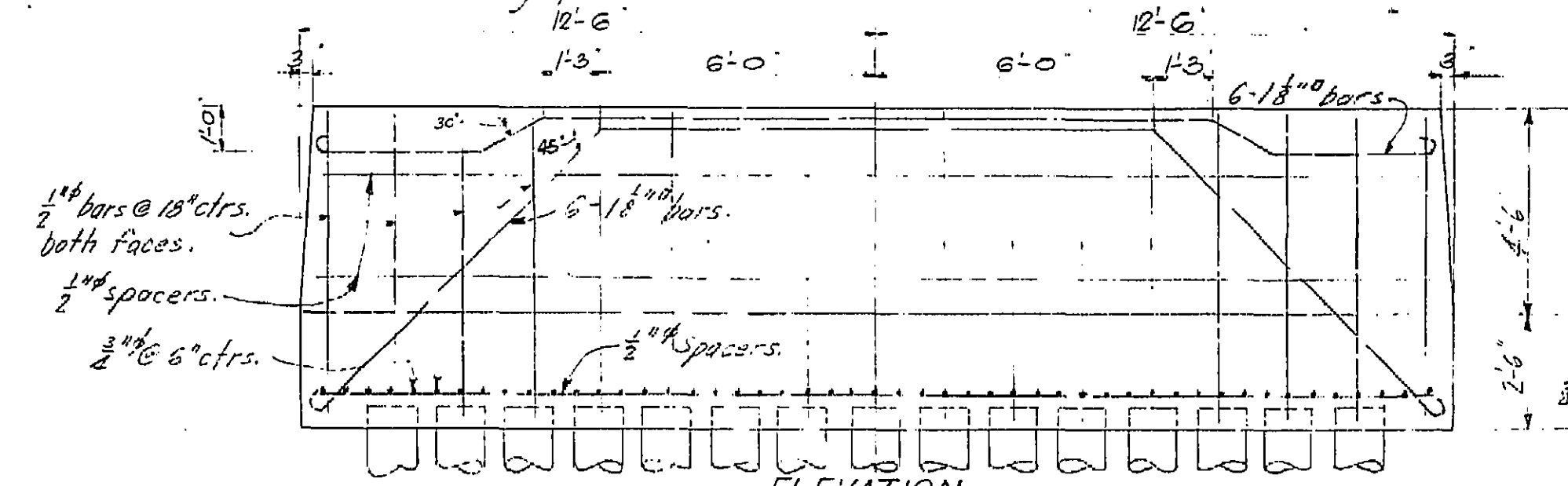
PLAN BENT NO. 17

Note: Red figures show spacing of piles in E. end of Bent 17, as no conduit under this bent. Spacing on Bents 18 & 19 as originally shown.

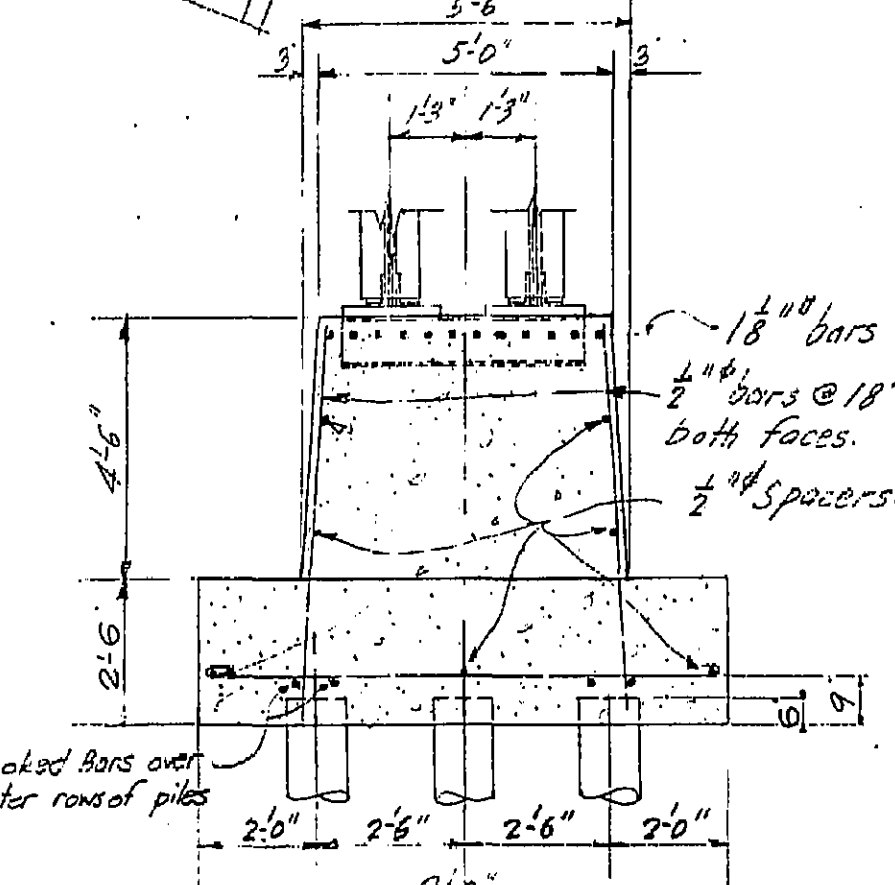
Footing Bents #18 & #19 same as Bent #17 except for total number of piles per footing. See sheet #6 for plan showing piles.



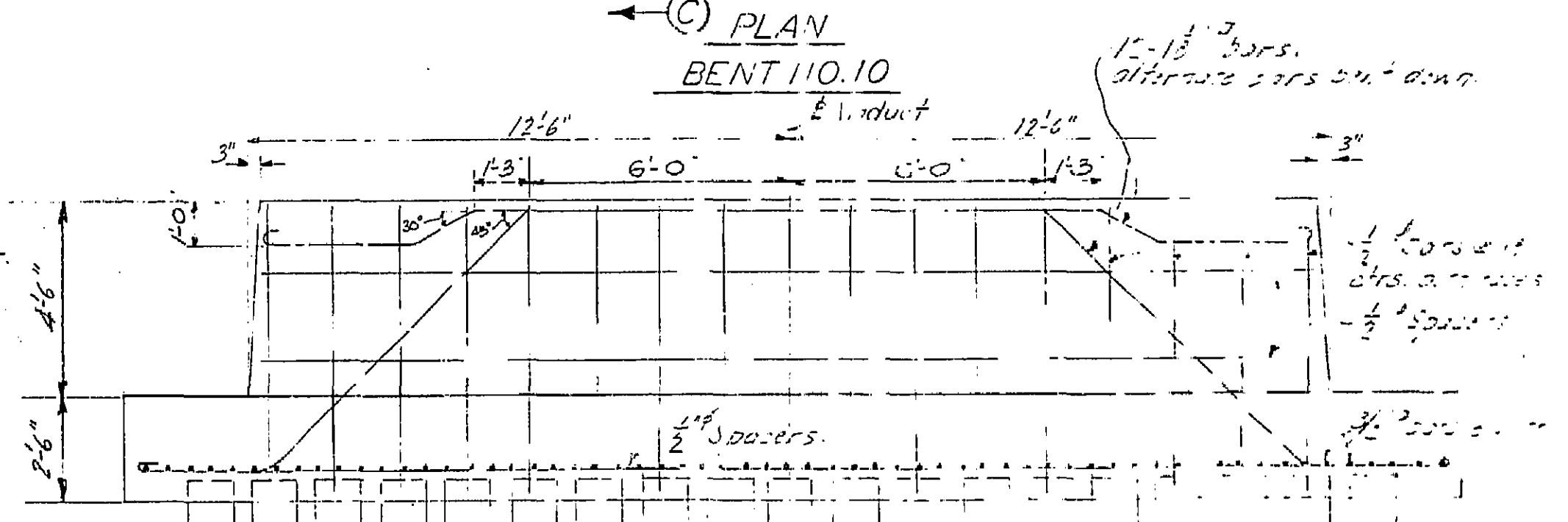
PLAN BENT NO. 10



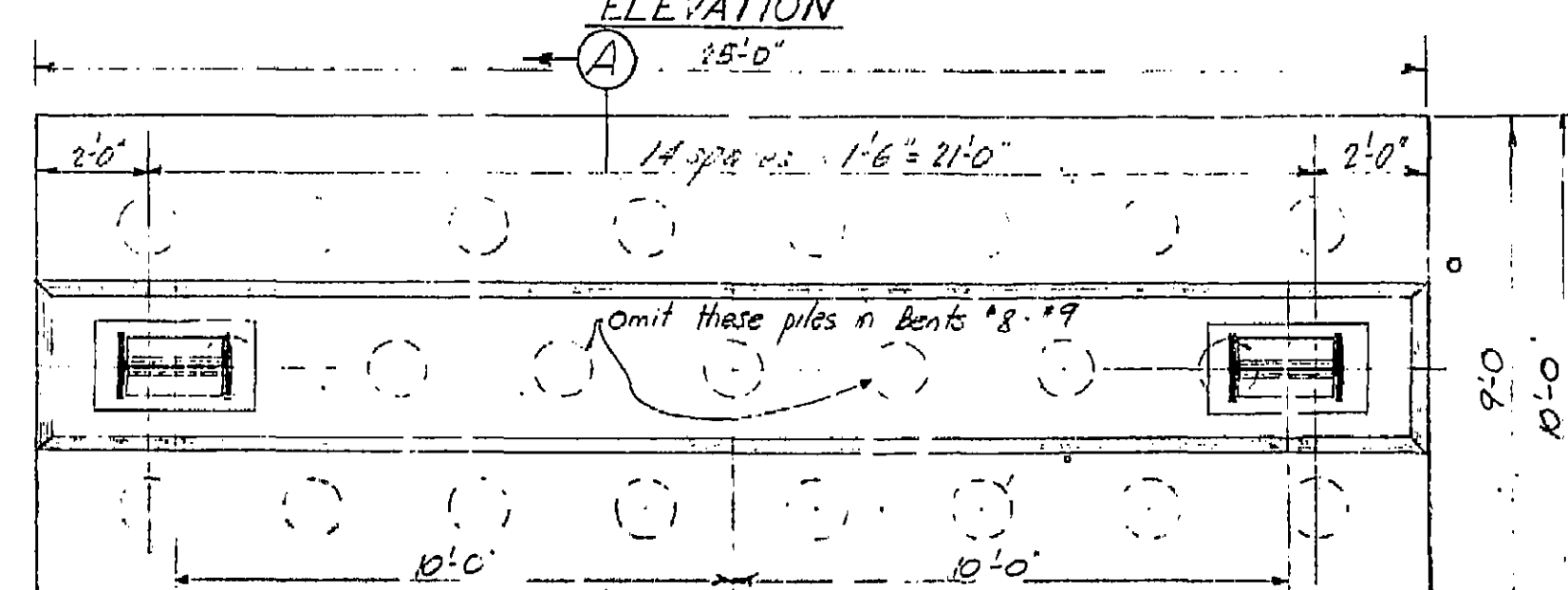
ELEVATION



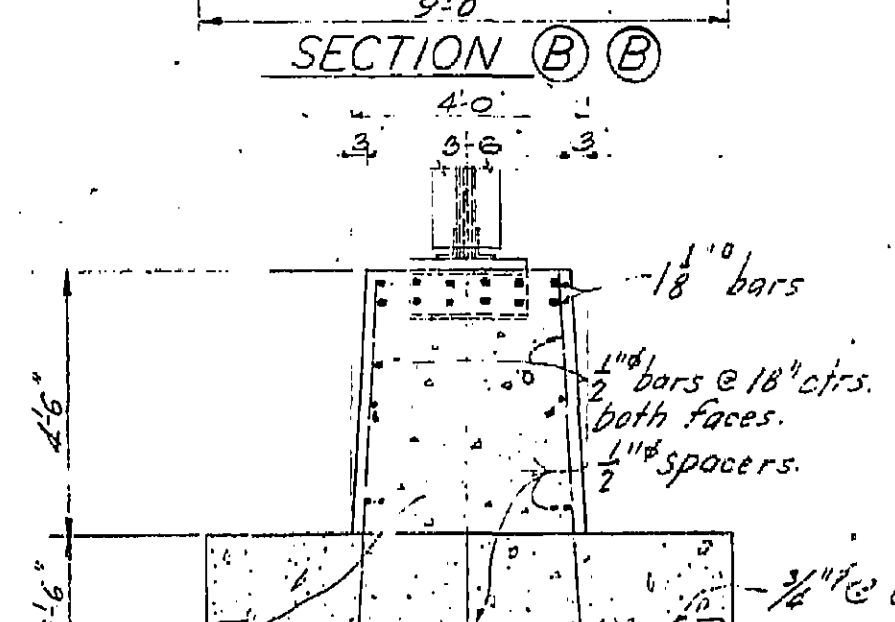
SECTION A-A



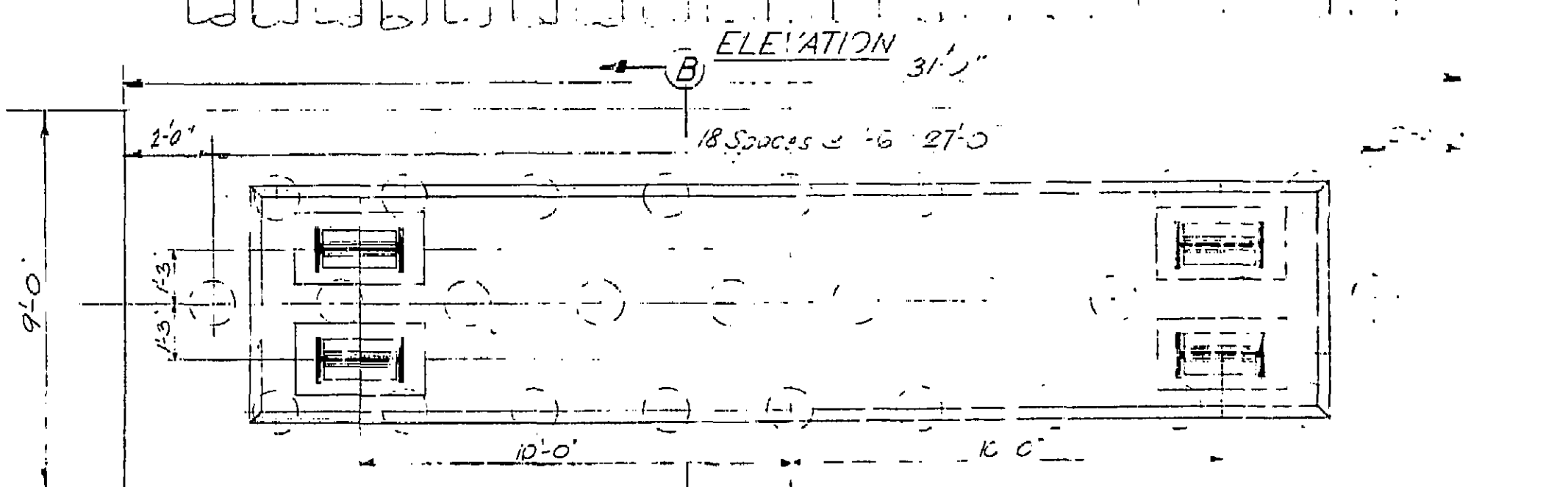
ELEVATION



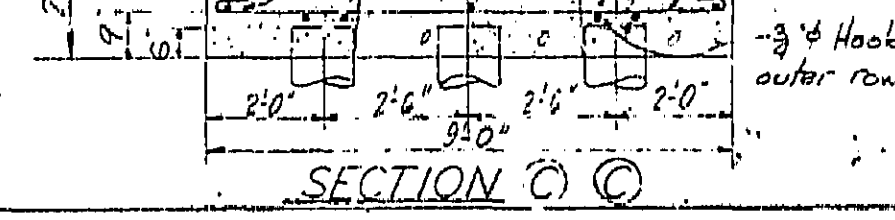
PLAN BENT NO. 11



SECTION B-B



PLAN BENT NO. 12



SECTION C-C

Note: Maximum load per pile = 20 tons.

#54C-66

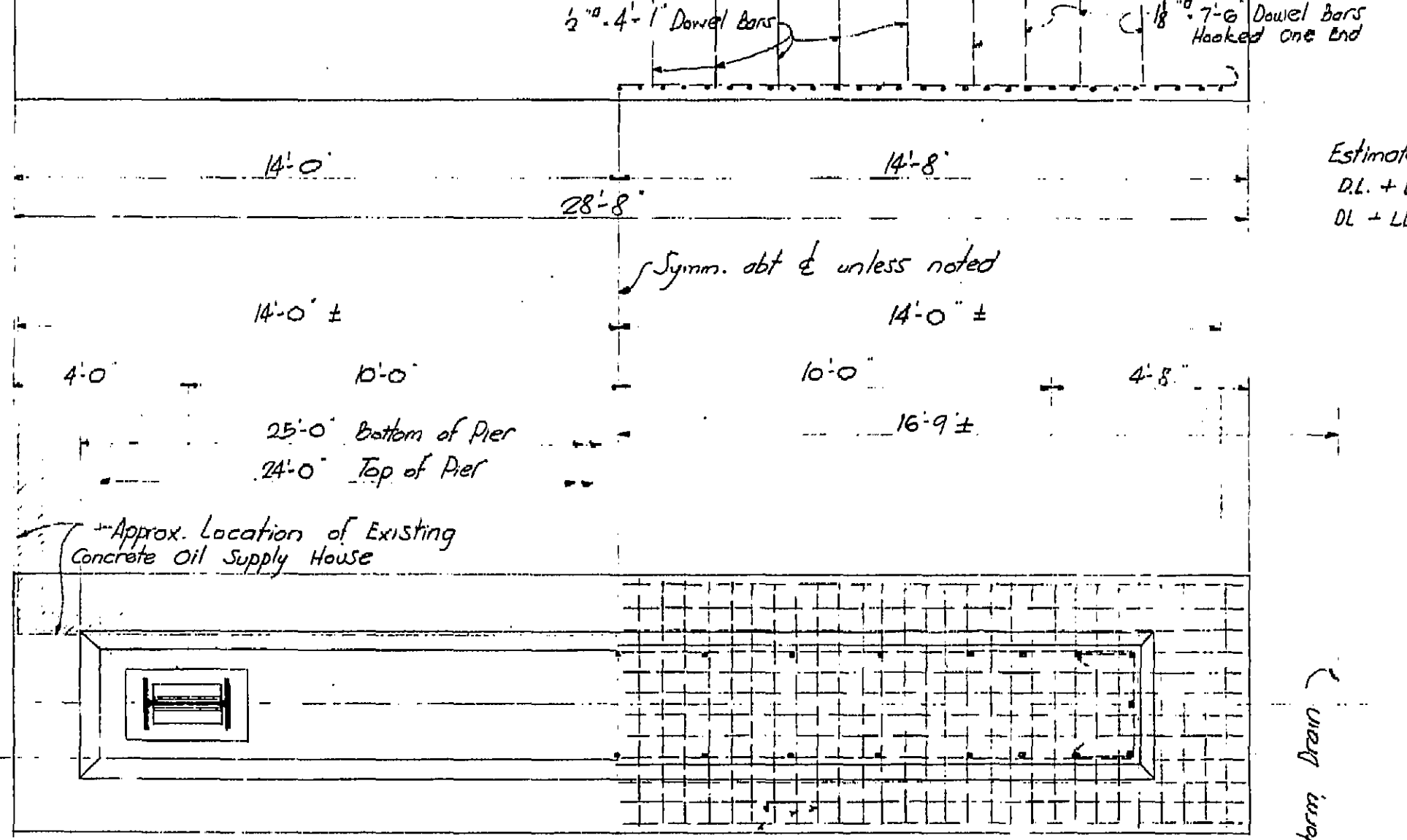
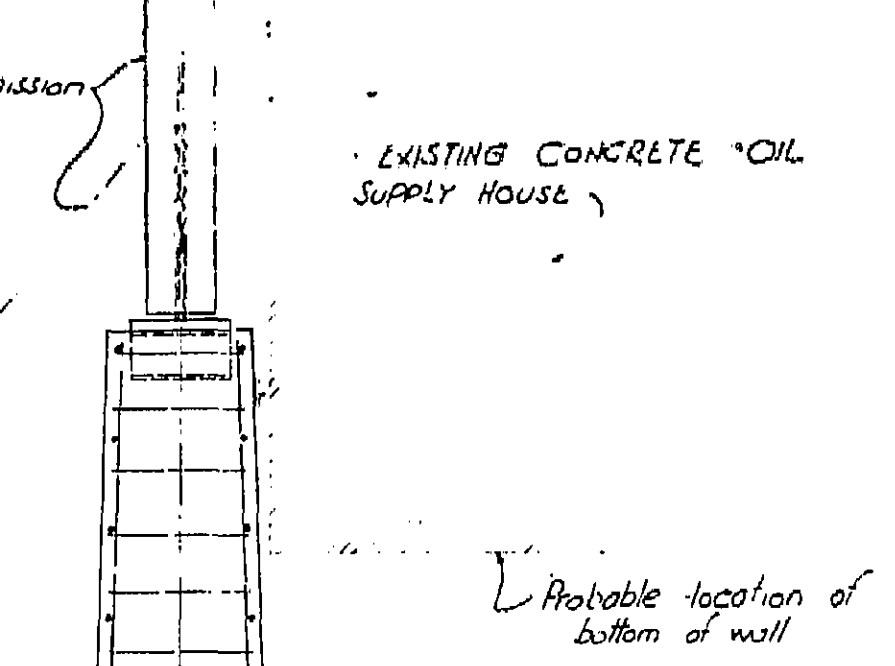
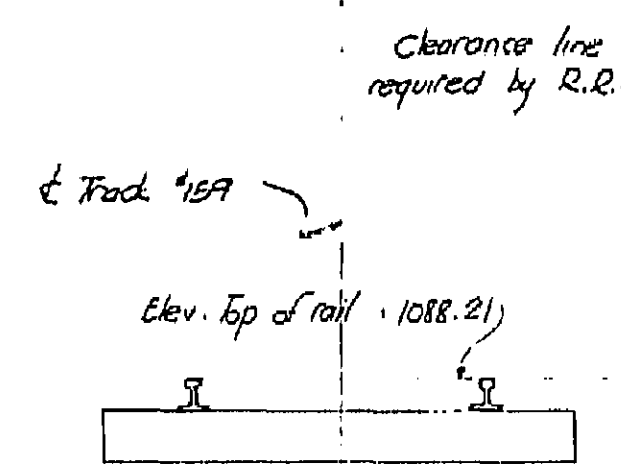
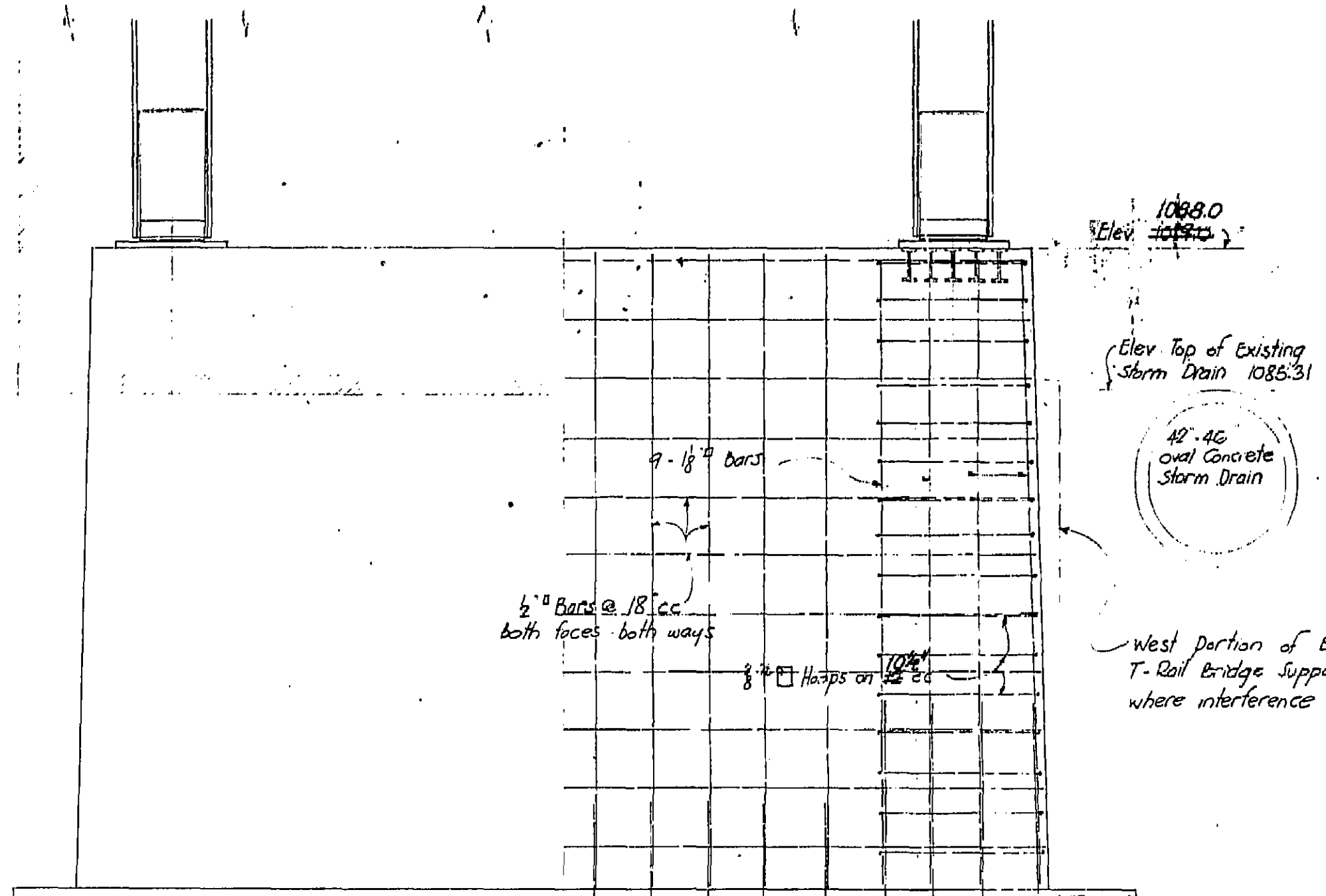
MT VERNON AVENUE BRIDGE	
FOOTING DETAILS	
SCALE: 1/2" = 1'-0"	FILE NO.
BRIDGE NO. 54C-66	DRAWING NO. C-75-49

BRIDGE DEPARTMENT

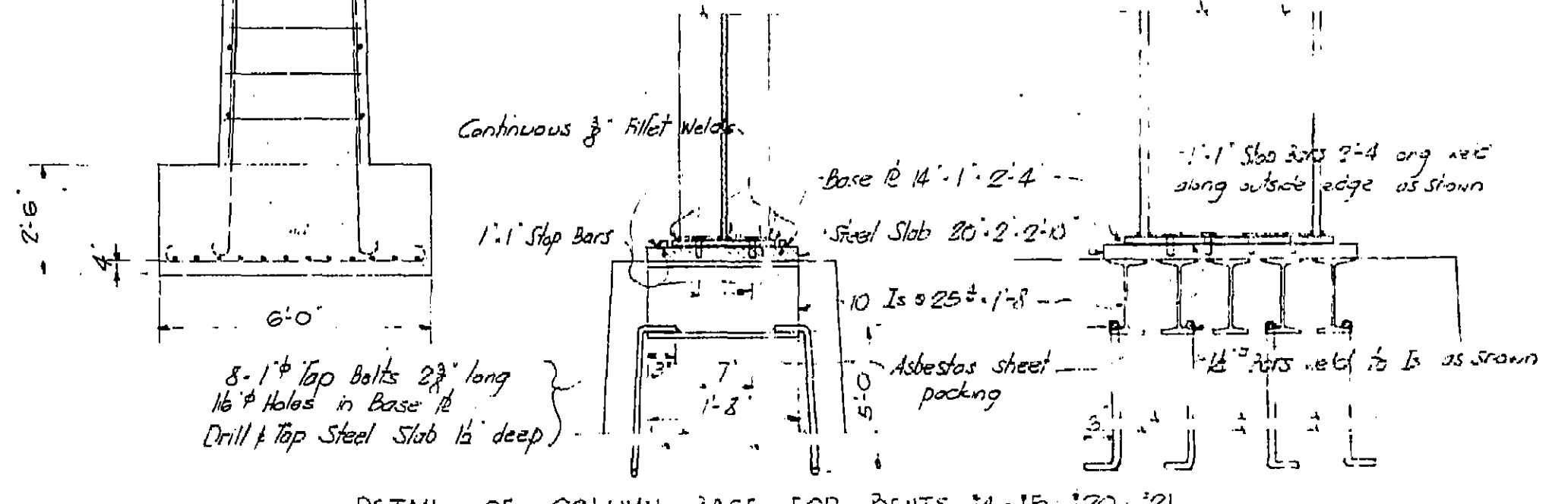
Drawn by	HDS
Checked by	
Approved by	
Project	
Sheet	
Quantity	
Material	
Remarks	

Bents No. 8 and 9 are similar to Bent No. 12 etc. except that they will have a total of 21 piles. See sheet #4

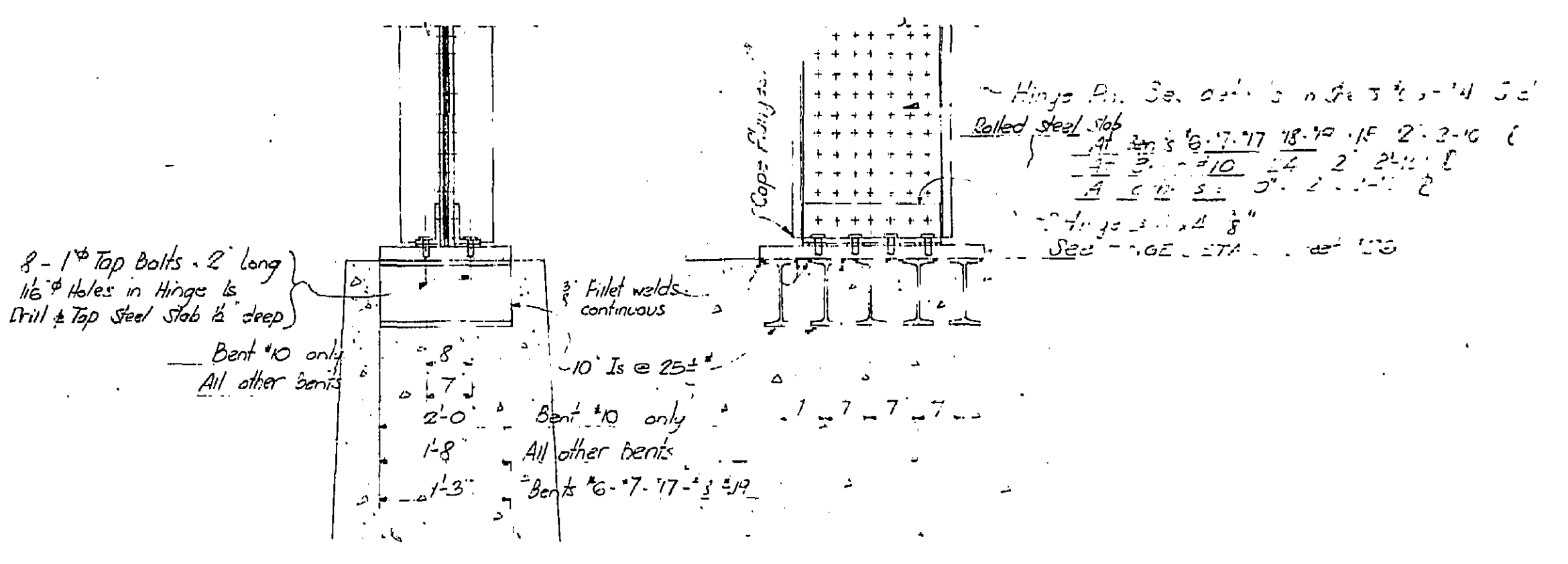
BENTS #4-5-8-9-12-13-14 & 15



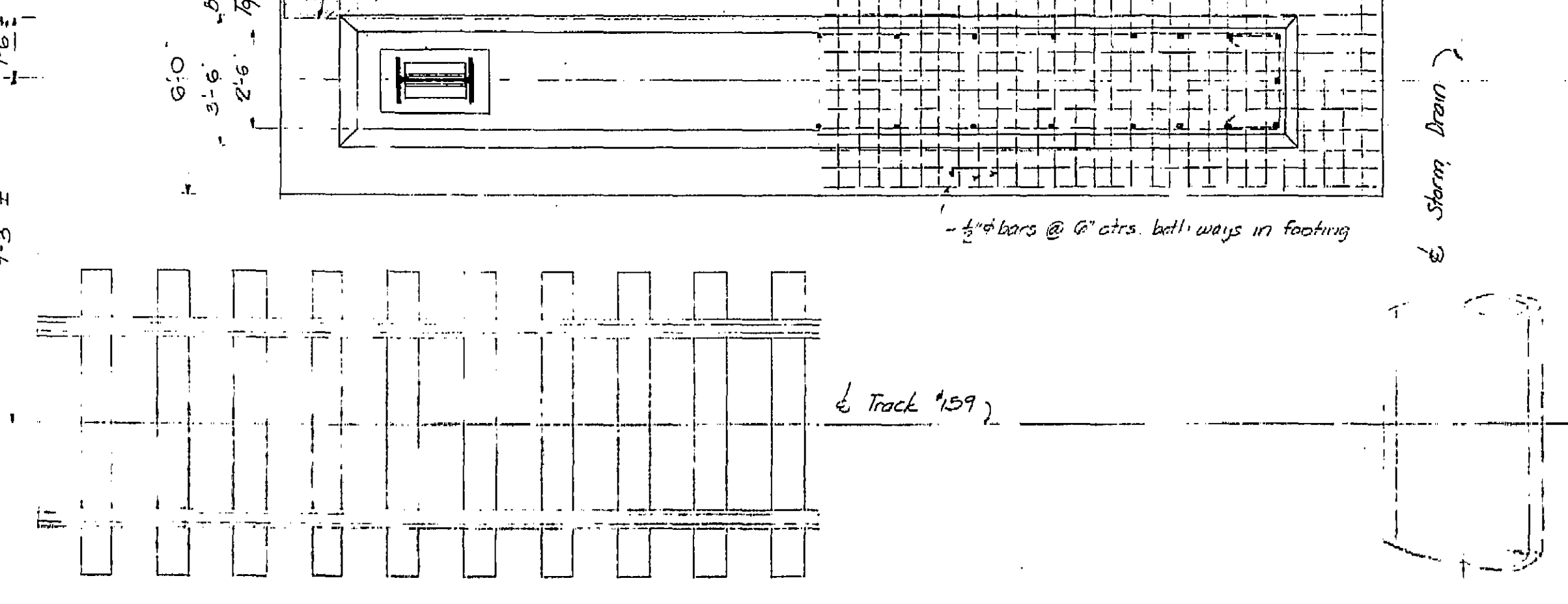
Estimated footing Loads:
 DL + LL = 3.0 Tons per sq ft
 DL + LL + WL = 4.3



DETAIL OF COLUMN BASE FOR PIERS 14, 15, 20, 21



DETAIL OF COLUMN BASE FOR PIERS 16, 17, 19

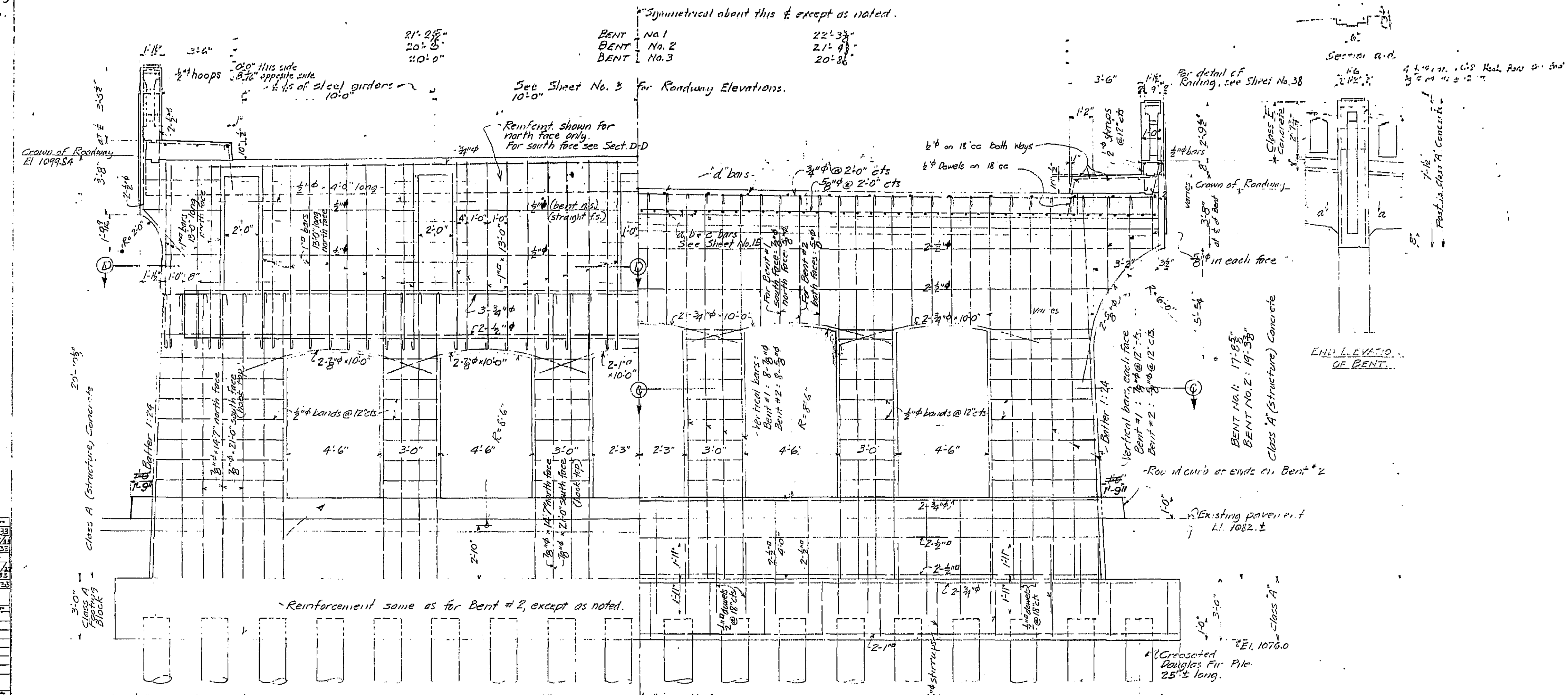


MOUNT VERNON AVENUE VIADUCT
 DETAILS OF PIER AT PIER 18
 SCALE 1/4" = 1'-0"
 BRIDGE NO. 24-255 DRAWING NO. C-157-101

BRIDGE DEPARTMENT

Checked by	6/10/33
Designed by	7/10/33
Drawn by	6/10/33
Approved by	7/10/33
Scale	1/4" = 1'-0"
File No.	24-255
Drawn by	6/10/33
Checked by	7/10/33
Approved by	7/10/33

23 Piles for Estimating
 33 Piles for Bents

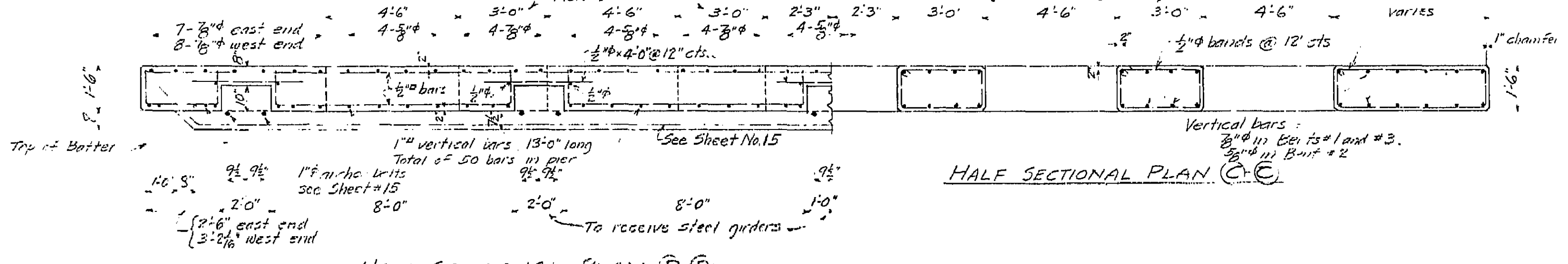


Checked by	ELZ
Designed by	ELZ
Drawn by	ELZ
Quantity	4
Scale	1/4" = 1'-0"
Sheet No.	51-103
Project	MT VERNON
Location	...
Date	...

BENT #1	2'-0" (14 piles)	23'-6 1/2"	13 spaces @ 3'-5" = 44'-5"	24'-8 1/2"	2'-0"
BENT #2	(15 piles)	25'-7"	17 spaces @ 2'-10" = 48'-2"	26'-7"	
BENT #3	(18 piles)	25'-9"	17 spaces @ 2'-10" = 48'-2"	26'-5"	

EAST HALF END ELEVATION (B-C) - BENT NO. 3
 (LOOKING SOUTH)

WEST-HALF SECTION (A-A) - BENT NO. 2
 BENT NO. 1 SAME EXCEPT AS NOTED.
 (LOOKING SOUTH)



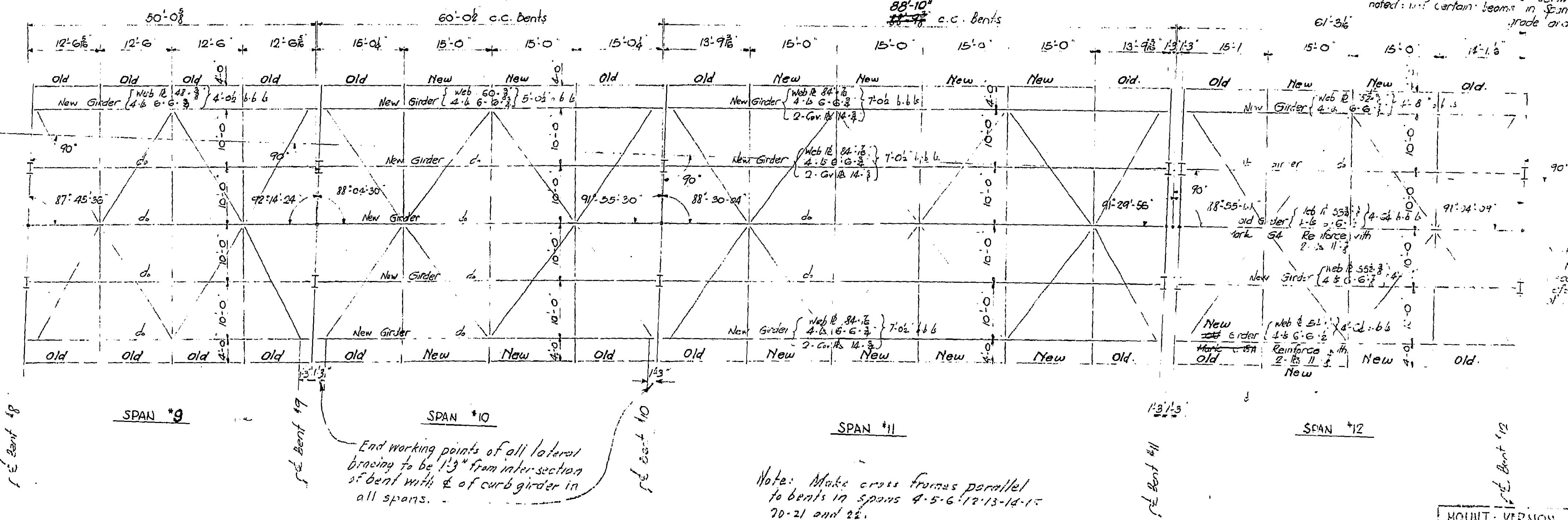
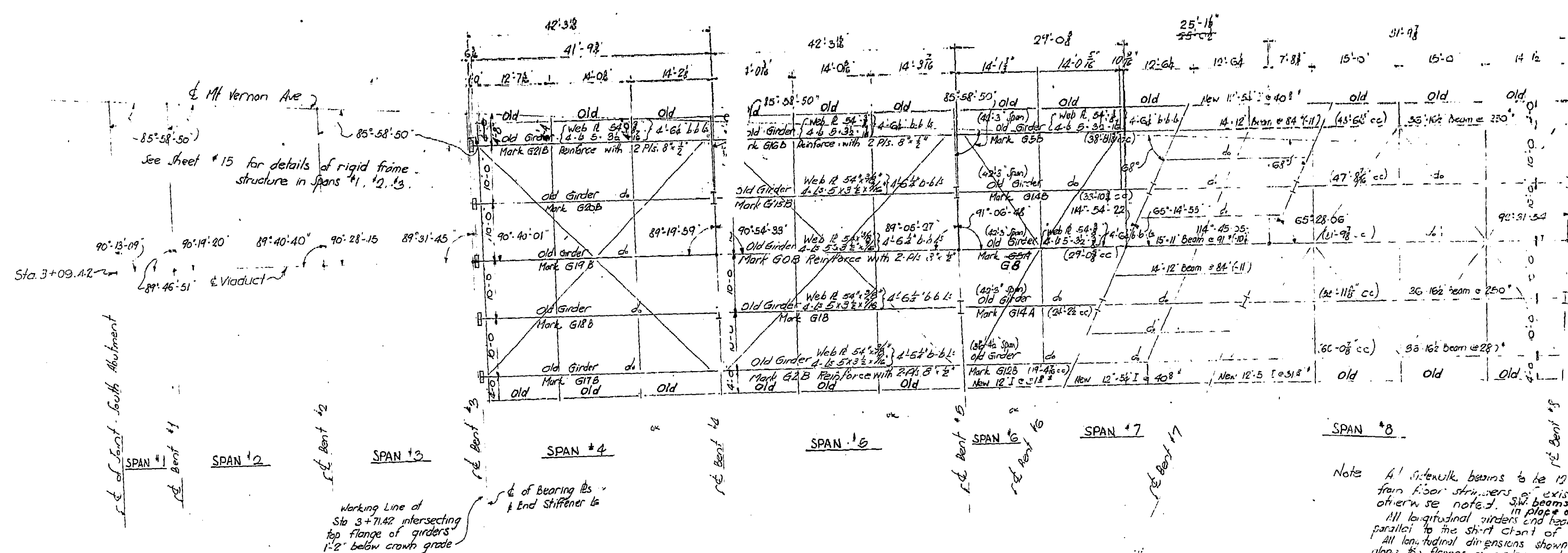
HALF SECTIONAL PLAN (D-D)
 BENT NO. 3

#54C-66

MT VERNON, CALIFORNIA	
BENTS NO. 1, 2 & 3	
SCALE 3/8" = 1'	FILE NO.
BRIDGE NO. 5443	DRAWING NO. C-51-103

Notes for Estimating
 33 Pairs for Deck Slabs
 58 Pairs for Beams

2 CAL 102 NIPAL 18 46"
 17 40
 September 1, 1918



Note: All I-beam beams to be 12 I's x 31 1/2" as salvaged from floor strikers of existing viaduct unless otherwise noted. All beams shall be 31 1/2" in place of old 31 1/2". All longitudinal girders and beams in any span are parallel to the street front of that span and spaced as shown. All longitudinal dimensions shown refer to distances measured along the flanges of girders or beams placed at grade and intersecting at bents. 2 beam crown elevations unless otherwise noted. All certain beams in span 7 are 10 or 11 below crown grade and are so noted (-11).

End working points of all lateral bracing to be 1'3" from intersection of bent with E of curb girder in all spans.

Note: Make cross frames parallel to bents in spans 4-5-6-7-10-11-12 and 25.

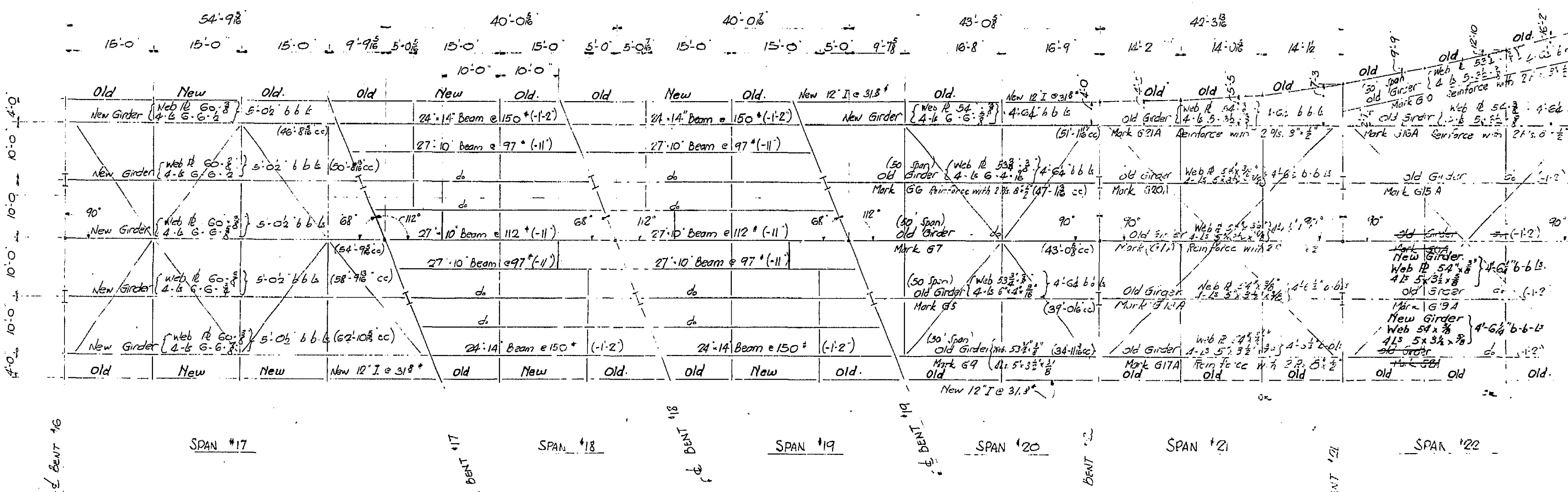
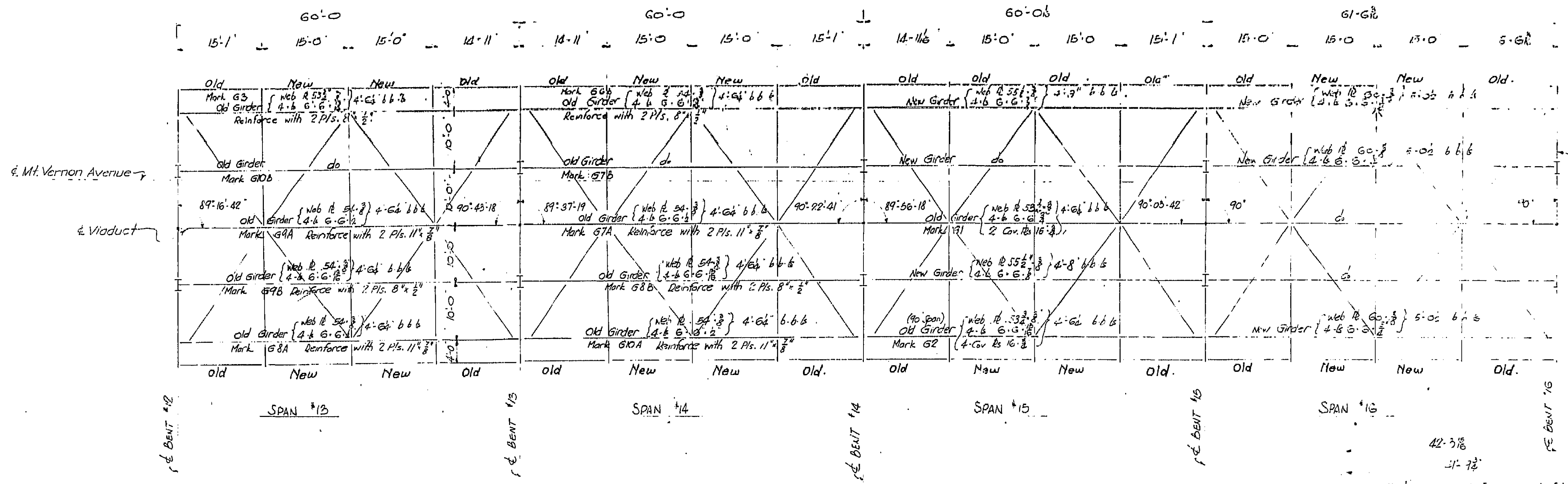
BRIDGE DEPARTMENT

Checked by	105
Designed by	
Drawn by	
Estimated by	
Approved by	

MOUNT VERNON AVENUE VIADUCT
 STEEL FRAMING PLAN SOUTH HALF
 SCALE 1"=10'-0"
 BRIDGE NO. 2222 DRAWING NO. C-102

15' Spacing for Estimating
 25' Spacing for Installation

DATE: 11/19/46
 DRAWN BY: [Signature]
 September 1, 1931

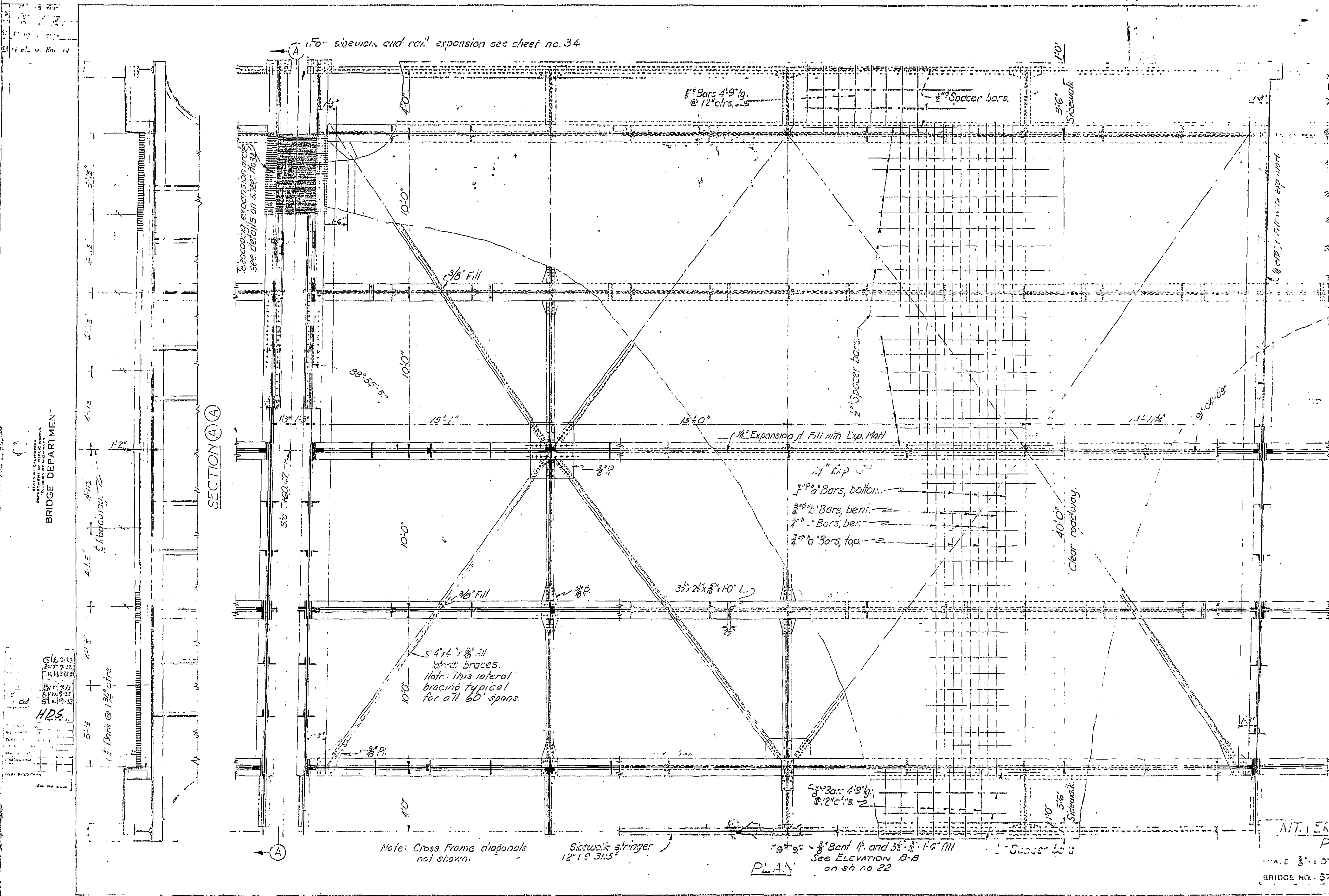


Note: All sidewalk beams to be 12" I-beams as shown on plan from floor stringers of existing viaduct unless otherwise noted. All longitudinal girders and beams in any span are parallel to the short chord of that span unless otherwise shown. All longitudinal dimensions shown refer to distances measured along top flanges of girders or beams placed to grade and intersecting 6" of bents 1'-0" below crown elevation unless otherwise noted. Certain beams in spans 18 & 19 are 11" below crown elevation of each bent and are so noted. Sidewalk beams marked 'New' are new 31.8 I-beams in place of old 21.5 I-beams.

11/19/46
 MOUNT VERNON AVENUE VIADUCT
 STEEL FRAMING PLAN - NORTH HALF
 SCALE: 1/4" = 1'-0"
 BRIDGE NO. 24-283 DRAWING NO. 105

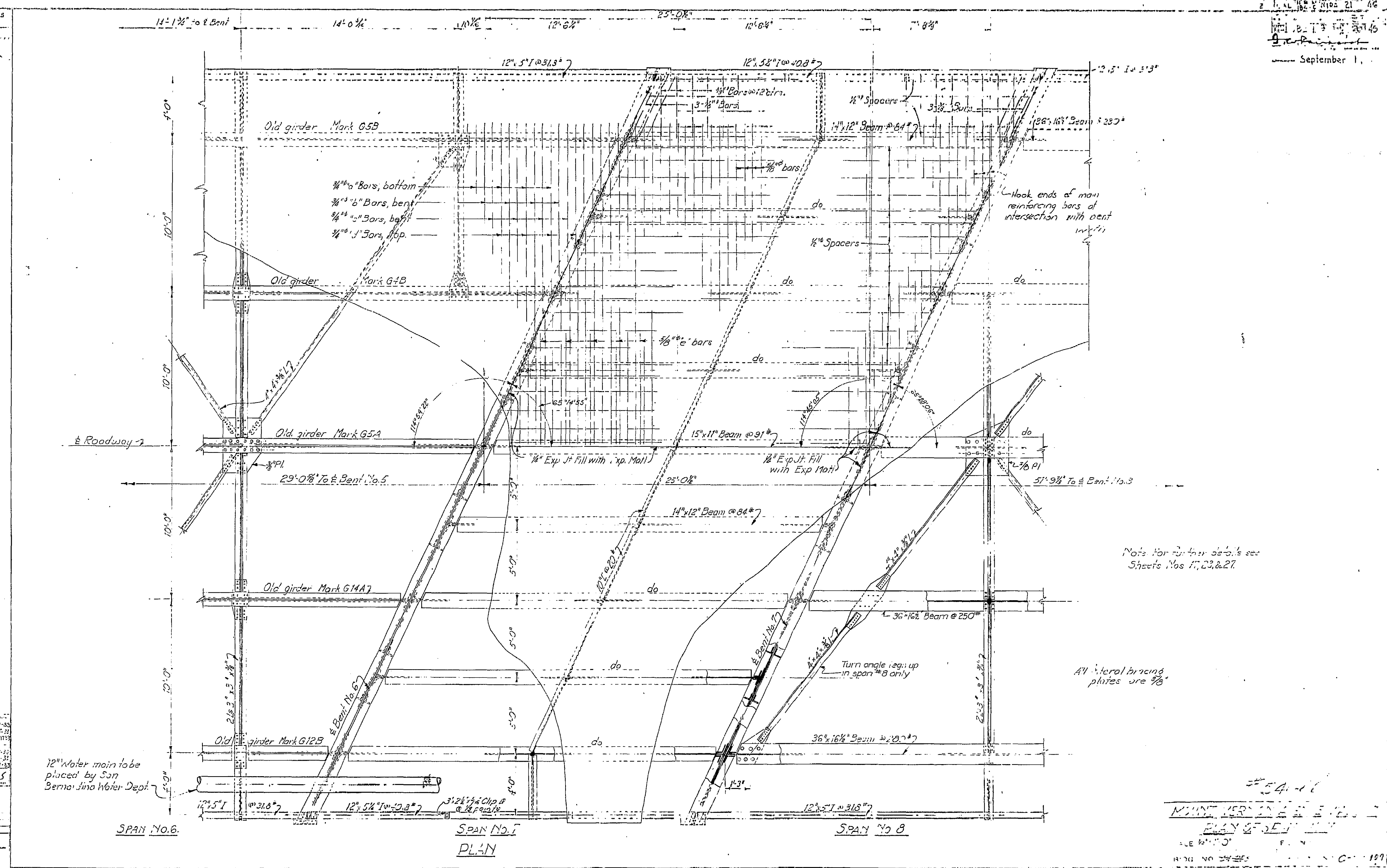
BRIDGE DEPARTMENT
 DIVISION OF HIGHWAYS
 STATE OF MICHIGAN
 11/19/46

September 1, 1933



MITCHELL ENGINEERING CO.
 PLAN SECTION
 SCALE 3/4" = 1'-0"
 BRIDGE NO. 5727

September 1, 1946

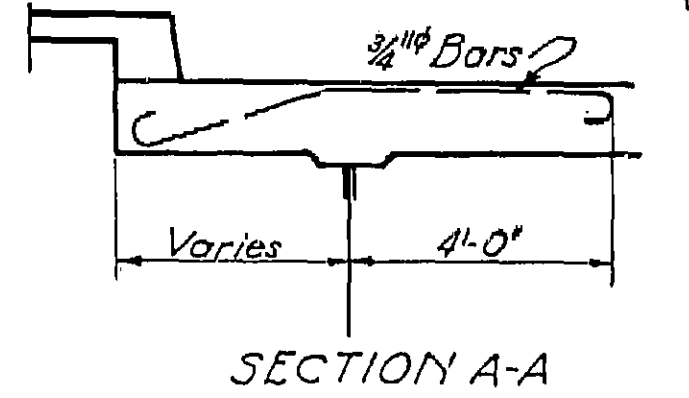
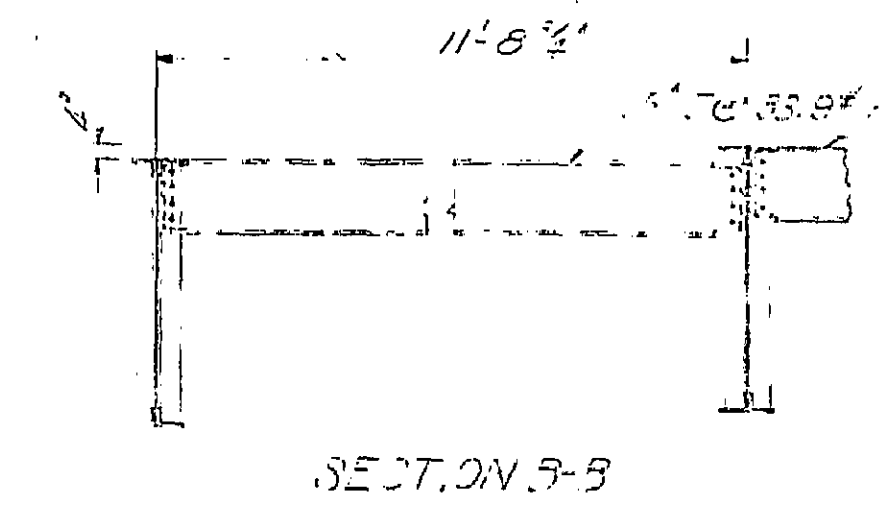
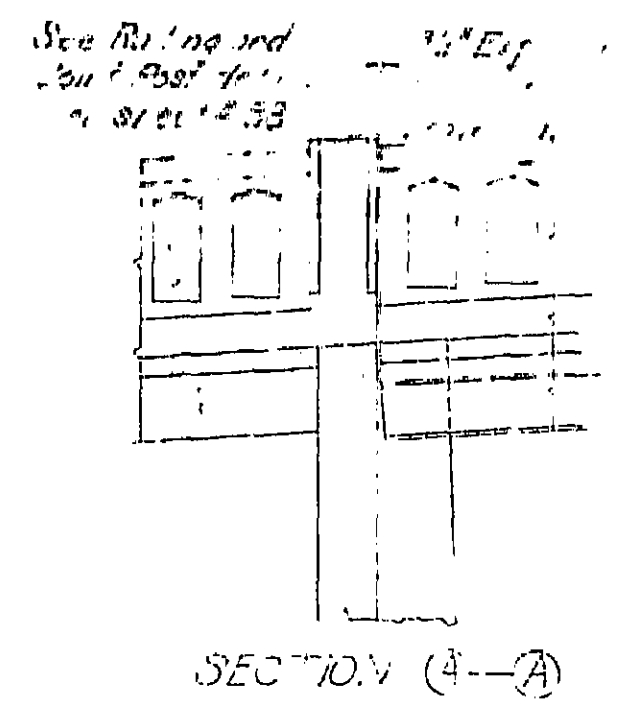
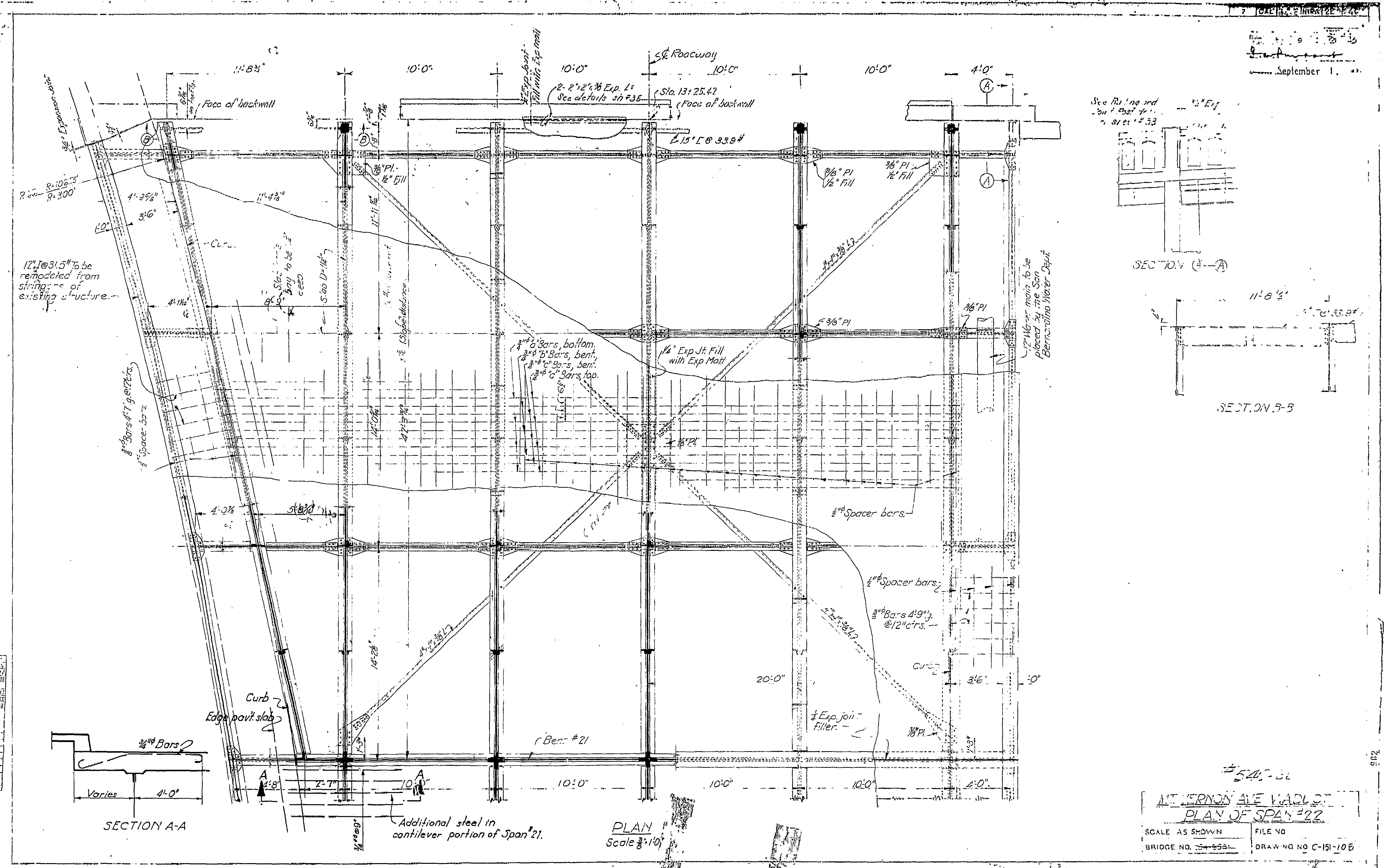


BRIDGE DEPARTMENT
 GLE 2-33
 EXP. 2-31
 FCG 2-11-33
 HDS
 12" Water main to be placed by San Berno Jino Water Dept.

Note for further details see Sheets Nos. 17, 23, & 27.

54-11
 MOUNTAIN VIEW BRIDGE
 PLAN
 SCALE 1/4" = 1'-0"
 DRAWING NO. 2545

September 1, 1935



Additional steel in cantilever portion of Span #21.

PLAN
Scale 3/8" = 1'-0"

MT. VERNON AVE. BRIDGE
PLAN OF SPAN #22
SCALE AS SHOWN
BRIDGE NO. 54-55-1
DRAWING NO. C-151-106

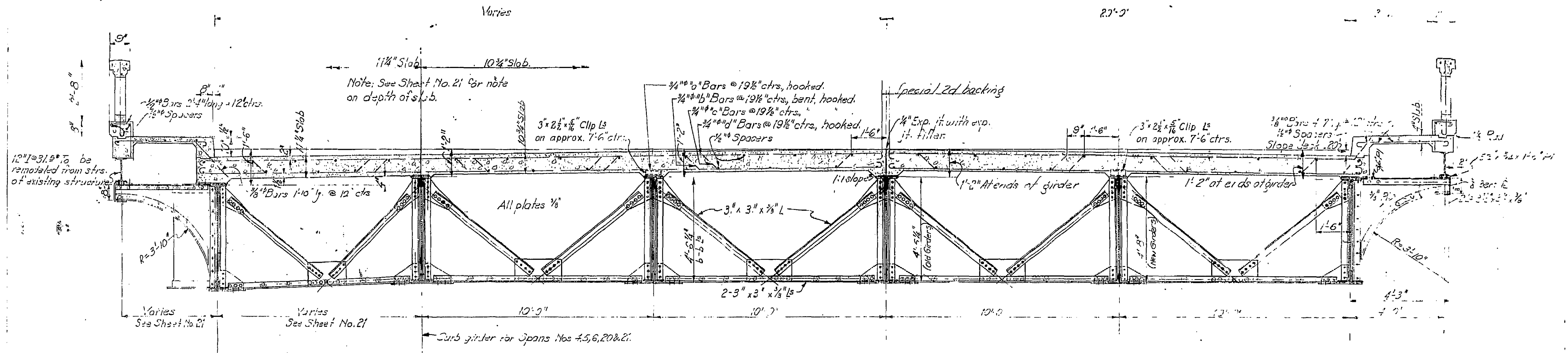
BRIDGE DEPARTMENT

Checked by	CLL
Designed by	W.S.
Drawn by	W.S.
Scale	3/8" = 1'-0"
Date	9/1/35
Project	MT. VERNON AVE. BRIDGE
Sheet	1 of 2
Drawn by	MDS

23 Plans for Estimating
 24 Plans for Estimating
 25 Plans for Estimating

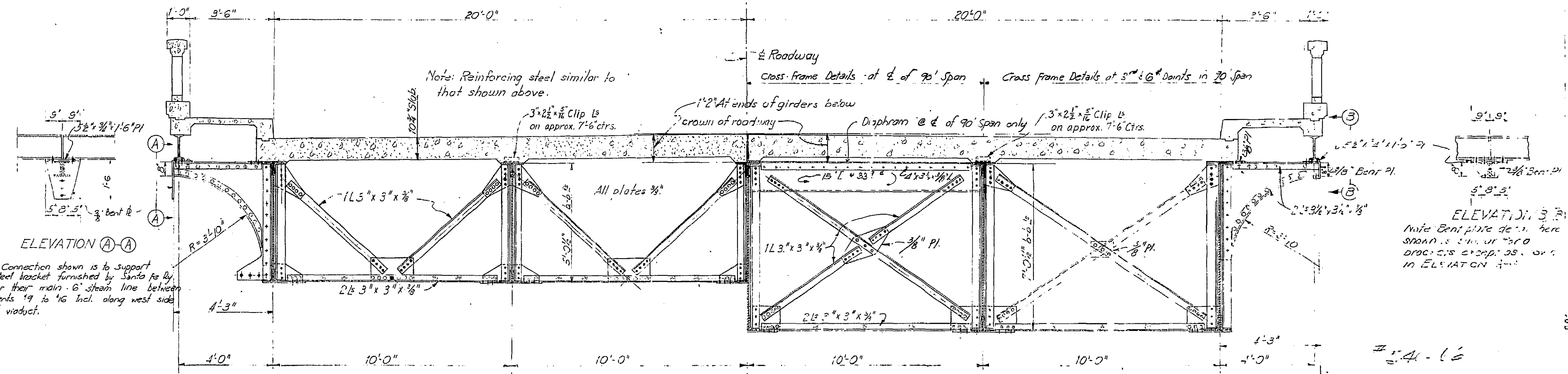
NEW YORK STATE DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ALBANY, N. Y.
 SEP 1 1933

C. & E. Roadway



SPAN NO 22
 OLD STEEL
 Note: See sheet no 25 for bracket and cross frame connection details

42' AND 60' SPANS NOS 4, 5, 6, 12, 13, 14, 15, 20 & 21
 Showing Old Girders 4'-3 1/4" Deep Reinforced With Plates and New Girders 4'-8" Deep. See sheets nos 17 and 18 for location of old and new girders, also see sh # 25 for details of bracket and cross frame connections

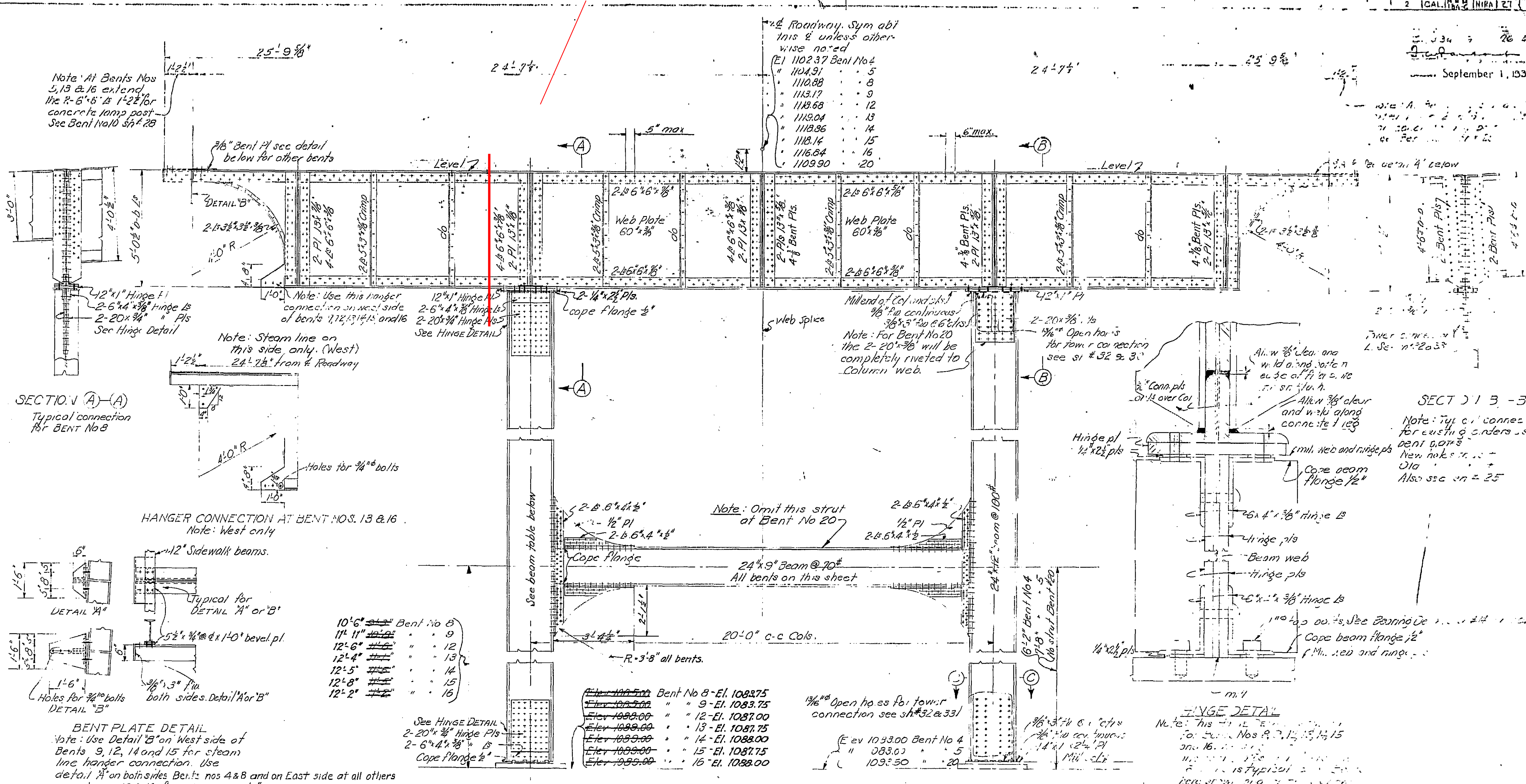


ELEVATION B-B
 Note Bent plate detail here shown is similar to that of brackets except as shown in ELEVATION A-A

7-54-66
 MOUNT VERNON AVENUE BRIDGE
 TYPICAL SECTION THROUGH SPAN NOS 10, 16 & 17
 SCALE: AS SHOWN
 BRIDGE NO. 2021
 C-1-109

BRIDGE DEPARTMENT
 SLE 7-33
 207 7-13
 106 7-23
 207 7-23
 207 7-23
 207 7-23
 207 7-23
 HDS

September 1, 1933



Note: At Bents Nos 5, 13 & 16 extend the 2'-6" x 8" x 1/2" concrete lamp post. See Bent No 10 for details.

24" Roadway. Sym abt this & unless otherwise noted

(E) 1102.37 Bent No 4	
1104.91	5
1110.88	8
1113.17	9
1118.68	12
1119.04	13
1119.86	14
1118.14	15
1116.84	16
1109.90	20

SECTION A-A
Typical connection for Bent No 8

DETAIL A
Typical for DETAIL A or B

BENT PLATE DETAIL
Note: Use Detail B on West side of Bents 9, 12, 14 and 15 for steam line hanger connection. Use detail A on both sides Bents nos 4 & 8 and on East side of all others except nos 13 & 16 for which see sb # 38.

COLUMN SCHEDULE

Bent No	Column Size
8	24" x 12" @ 120"
9	24" x 14" @ 130"
12	24" x 14" @ 150"
13	24" x 14" @ 140"
14	24" x 14" @ 140"
15	24" x 14" @ 140"
16	24" x 14" @ 130"

HALF ELEVATION BENT NO 9
Typical for Bents Nos 8, 12, 13, 14, 15 and 16 except as noted

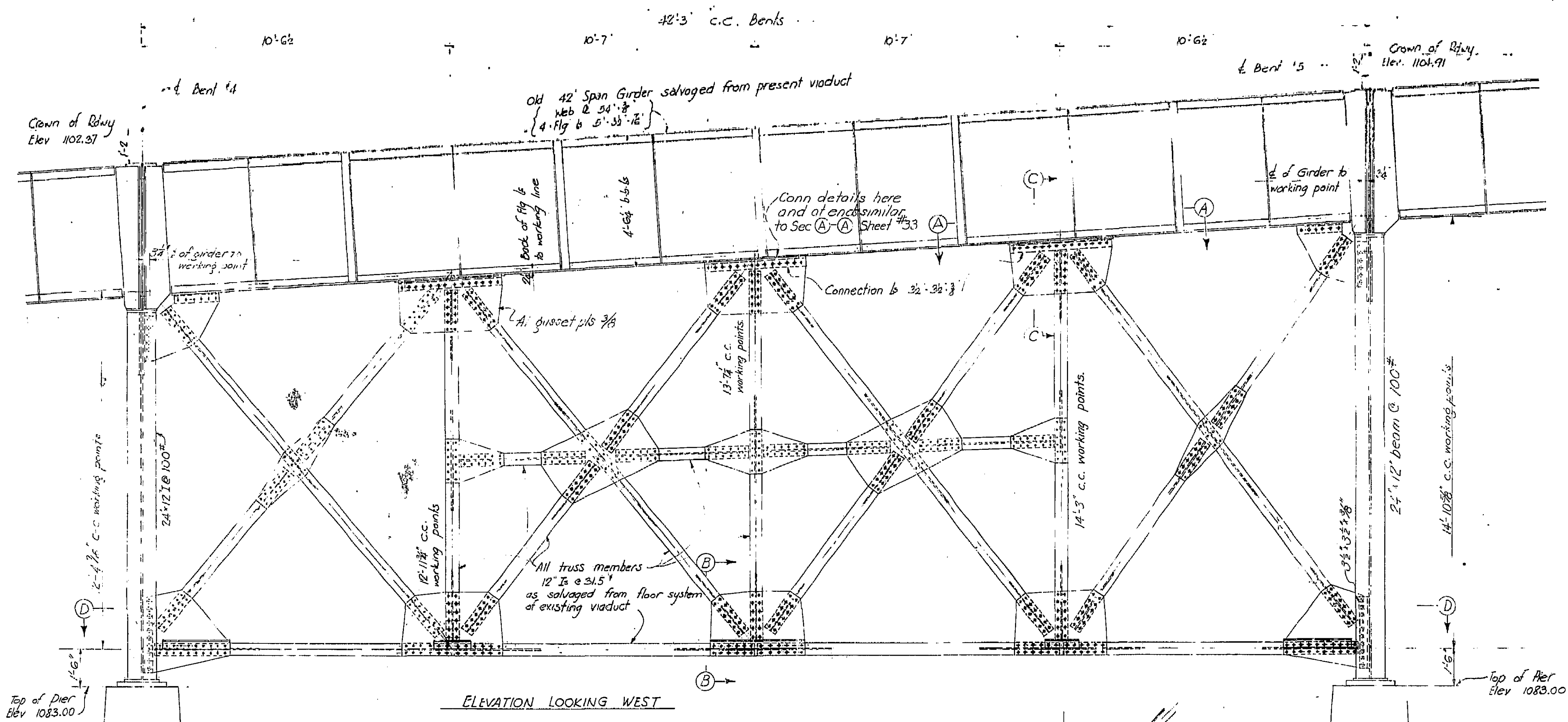
HALF ELEVATION BENT NO 4
Typical for Bents nos 5 and 20 except as noted

Note: For PLAN showing skew angle etc see sheets nos 17 and 18.

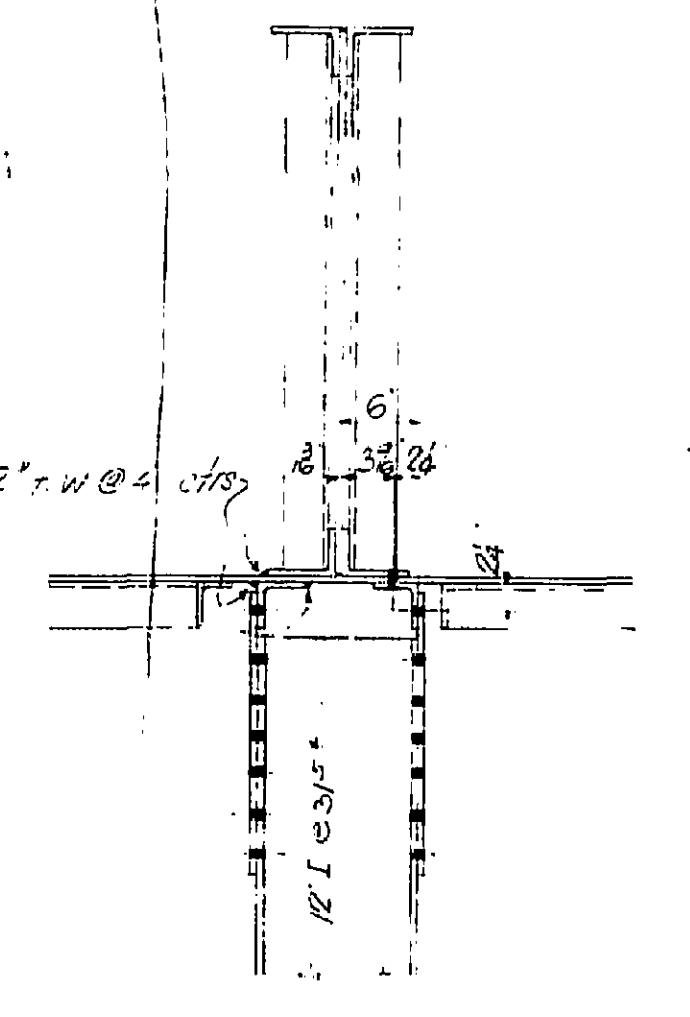
BRIDGE NO. 203 DRAWING NO. C-13-119

Prints for Estimating
 Prints for Final Check
 Prints for Bidding

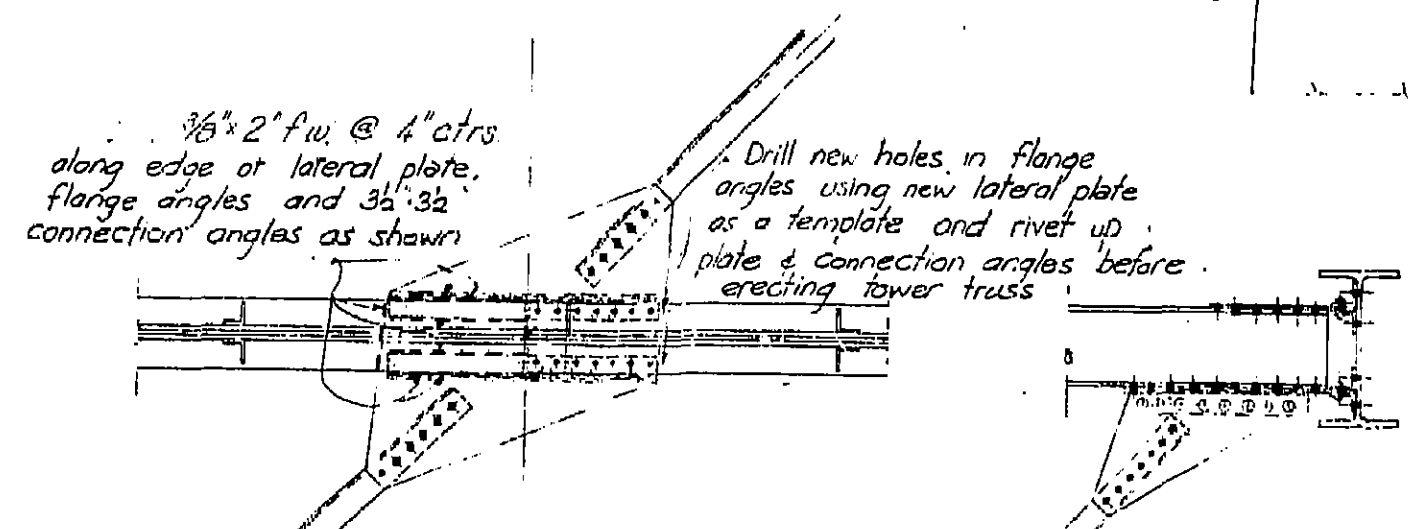
CALIFORNIA HIGHWAY 33 46
 VIII 381 9 C 32 45
 September 1, 1933



ELEVATION LOOKING WEST

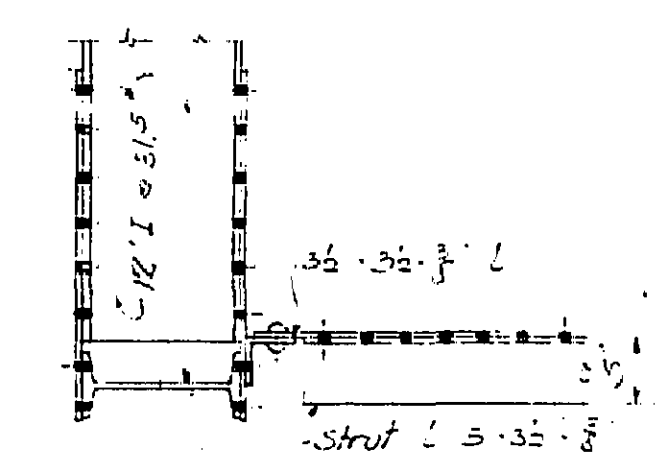


SECTION C-C
 Showing riveted and welded details
 as alternatives
 Scale 1"=1'-0"



Detailed Plan of Lateral Bracing & Girder Flange
 Welded Connection Riveted Connection

SECTION A-A
 Showing riveted and welded
 details as alternatives



SECTION B-B
 Scale 1"=1'-0"

Note: Concrete deck is to be completely poured before riveting connections of tower truss.
 Lengths shown on vertical members have been reduced from the theoretical to allow for dead load deflection. Lengths of diagonal members are to be computed from these reduced lengths.
 Flanges of 12' I Beams as salvaged from existing viaduct may be drilled or punched if field equipment permits.

#54-50

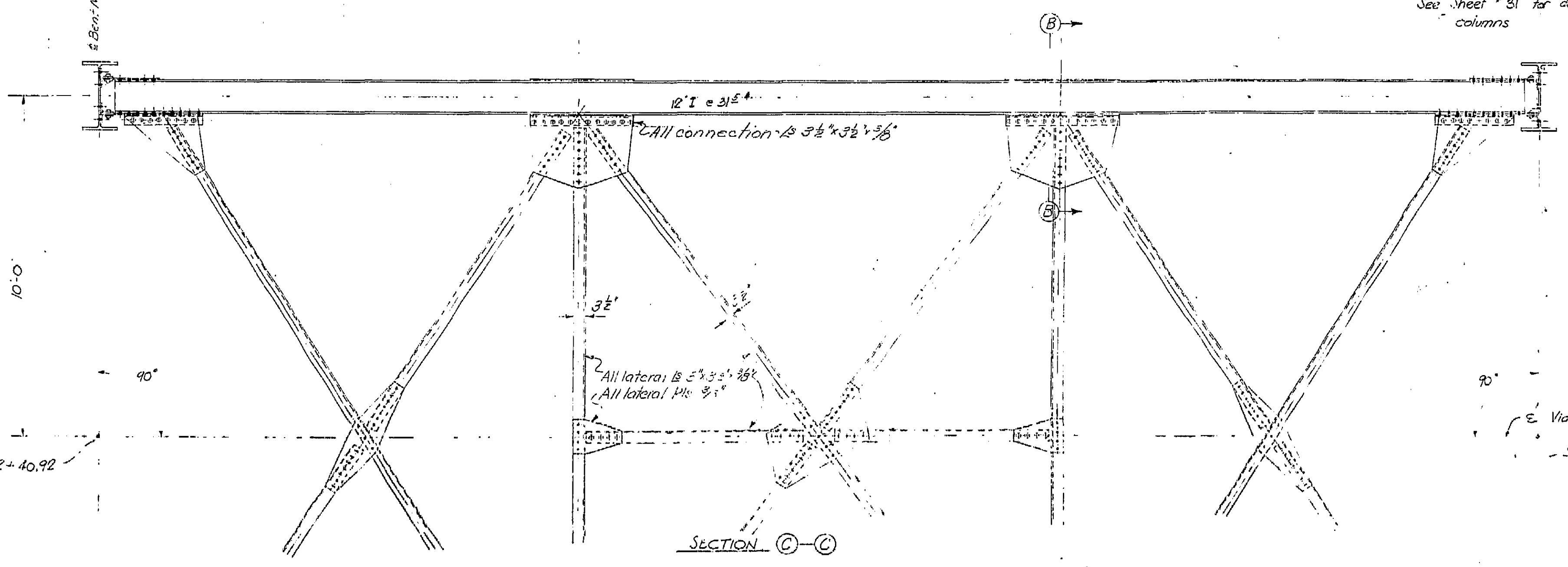
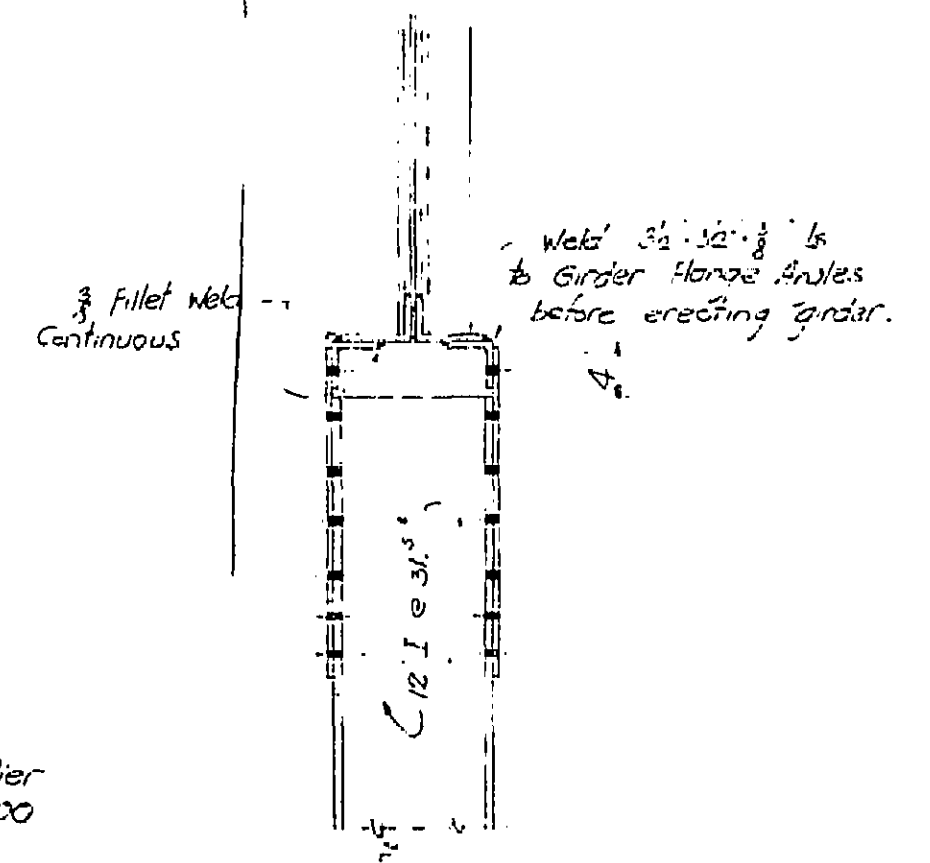
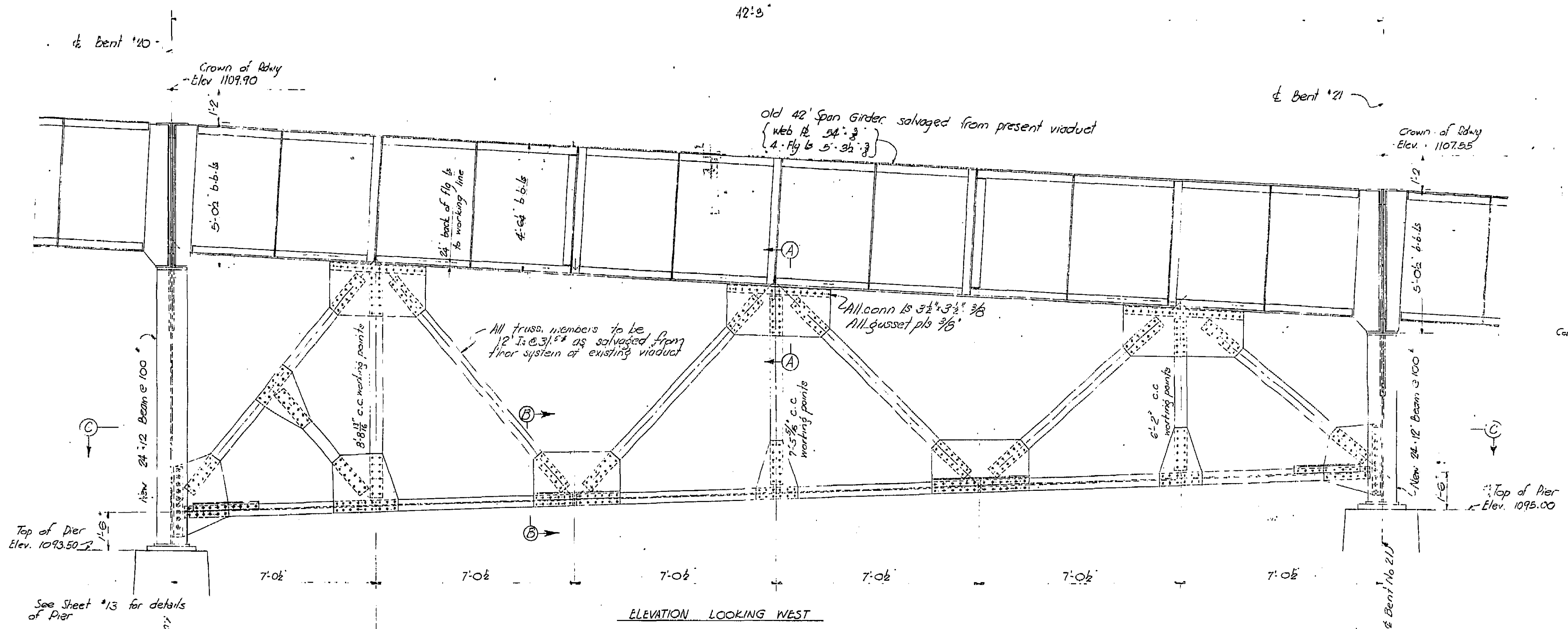
MOUNT VERNON AVENUE "A.D.C."
 TOWER BRACING IN SPAN 'S

C-151-119

BRIDGE DEPARTMENT

Checked by	CL
Designed by	CL
Drawn by	CL
Scale	1/4"=1'-0"
Date	9/1/33
Project	Mount Vernon Ave. "A.D.C."
Sheet	54-50
Drawn by	HDS

12-10-1933
 12-10-1933
 September 1, 1933



Note: Concrete deck is to be completely poured before riveting connections of stiffening truss. Lengths shown on vertical members have been reduced from the theoretical to allow for dead load deflection. Lengths of diagonal members are to be computed from these reduced lengths.

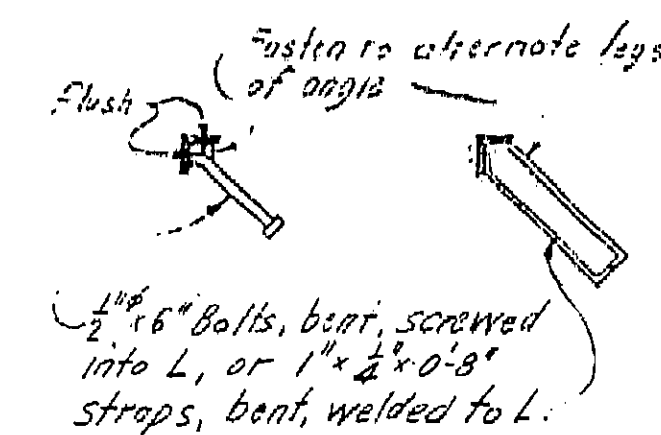
5-2-31
 MOUNT VERNON AVENUE VIADUCT
 TOWER BRACING IN SPAN 2
 3/8" x 12" x 12"
 C-151-120

BRIDGE DEPARTMENT

GLE 6-35
 2-7-33
 GLE 15-33
 1-1-33
 CUM 2-33
 GLE 17-33
 HDS

LIST OF REVISIONS
NO PRINTS

Prints for Bureau



EXPANSION ANGLES

3 Sets Required
Scale: 1/4"=1'-0"

2 Ls. 2 1/2" x 3" (long) South Abutment
2 Ls. 2 1/2" x 3" (long) Bent #3
2 Ls. 2 1/2" x 3" (long) North Abutment
2 Ls. 2 1/2" x 3" (long) Bent to fit Roadway

Drill L for bolts.

Fasten L to forms with 3/8" bolts and nuts @ 12" cts.

1 1/2" x 1/2" x 2" Clip Ls @ 18" cts.

3/8" Tap Bolts
Crush action bolts will not be included in weight for payment.

Bevel ends to bolts and weld in field at d. of roadway

Drill and tap expansion angles for bolts
Expansion joint filler

FIRST STEP

SECOND STEP

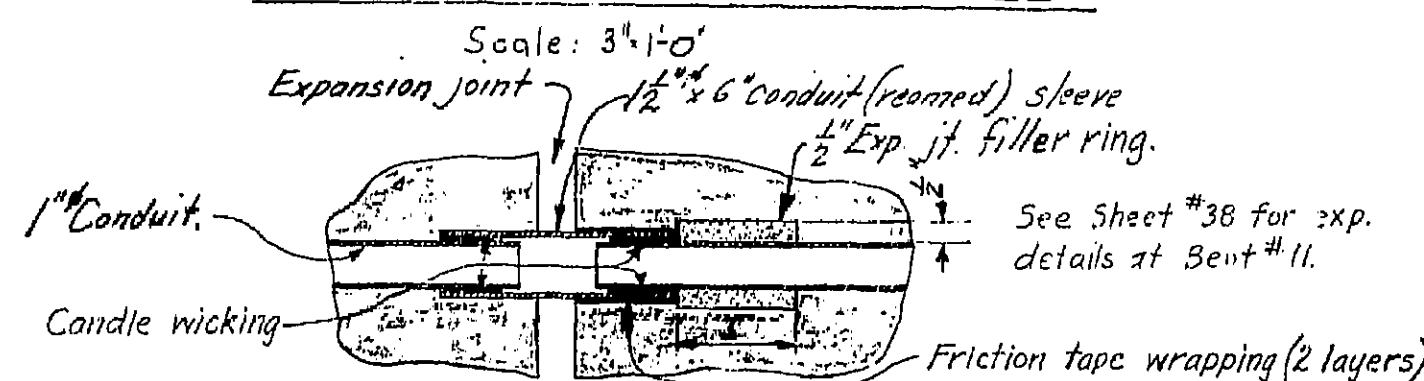
DATE

Place on end posts as shown on Sheet #1.
"BRIDGE 54-253" to be stenciled in black letters 2 1/2" high on the two right hand end electricier posts.

September 1, 1933

PLACING EXPANSION ANGLES

Scale: 3/4"=1'-0"

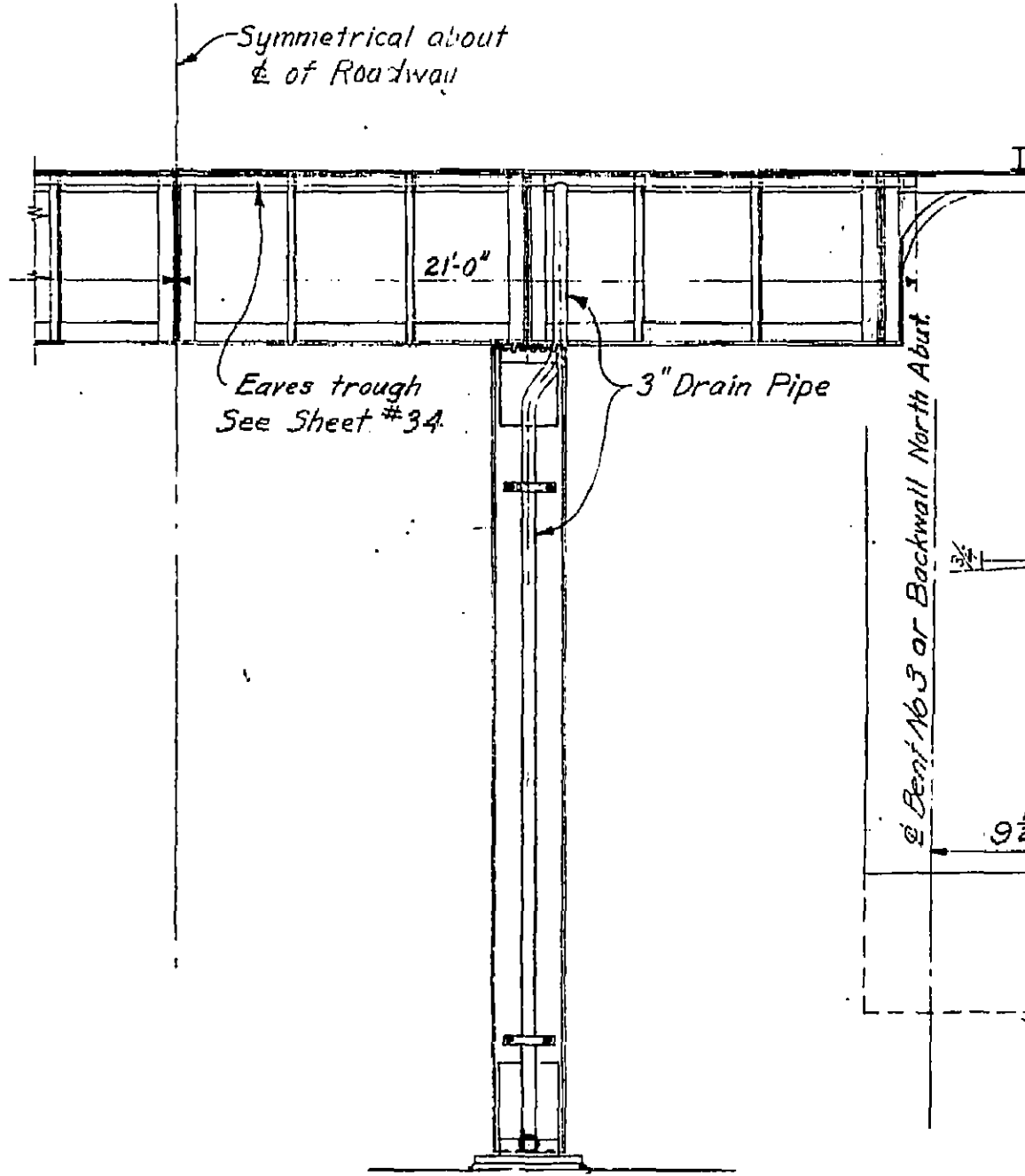
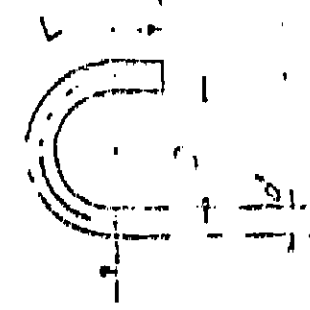


CONDUIT EXPANSION JOINTS IN SIDEWALK CURB

To be used at each bent and joint in rail.

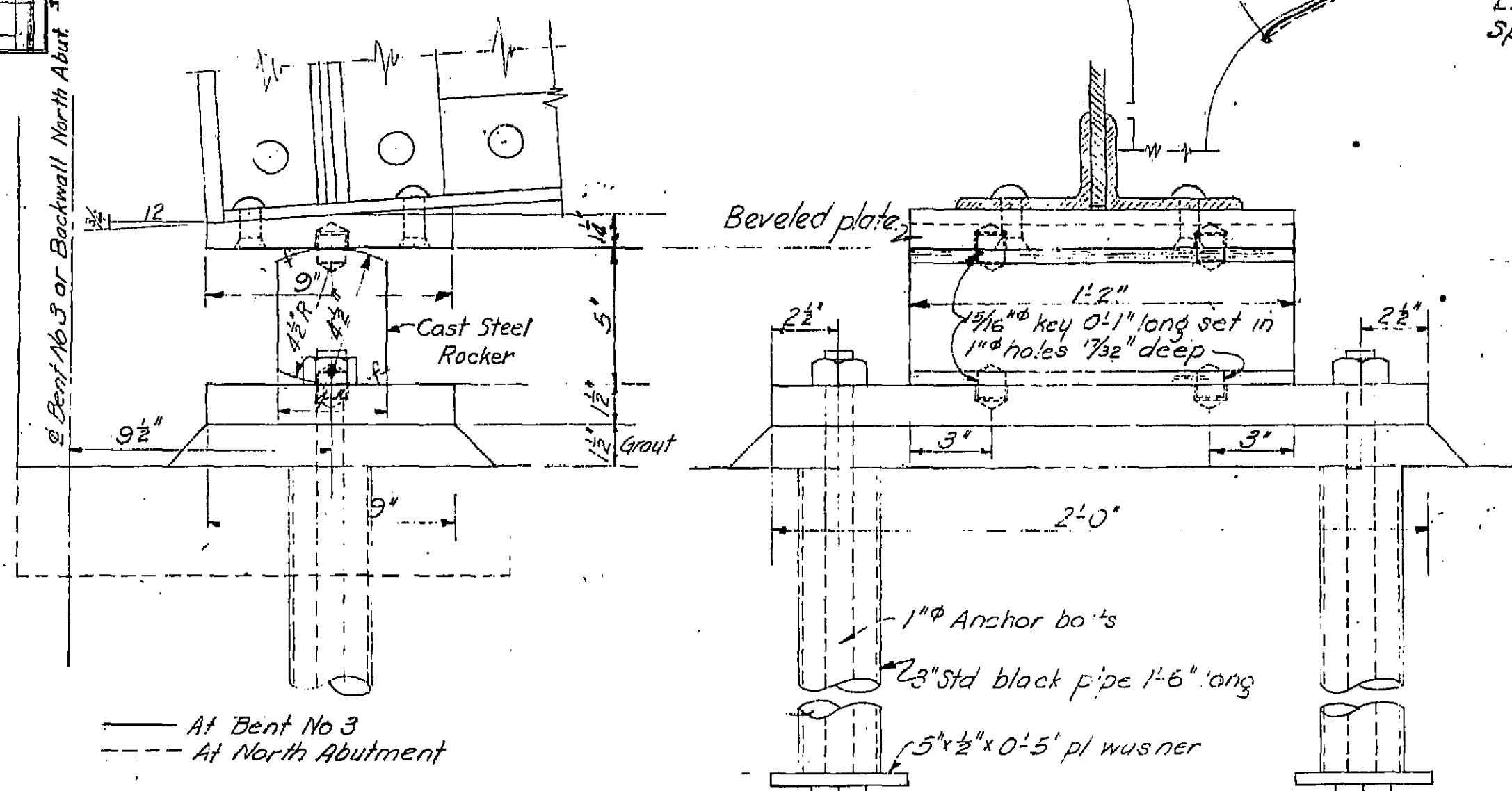
Scale: 1/2"=1'-0"

HOOKE BAR DATA



DRAIN DETAILS AT NORTH HALF OF BENT NO. 11.

Scale: 1/4"=1'-0"

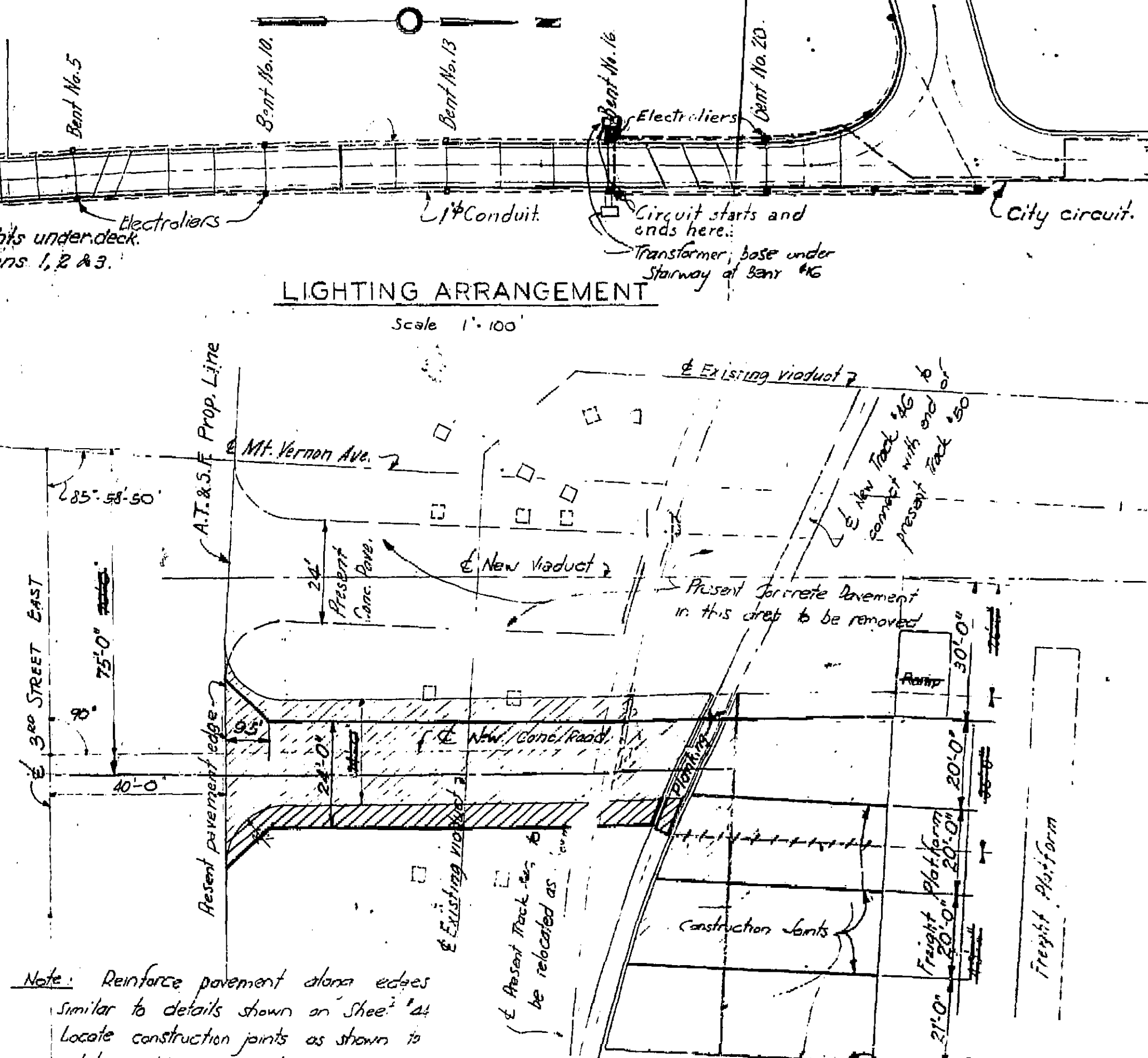


ROCKER BEARING DETAILS AT ABUTMENTS

Scale: 3/8"=1'-0"

LIGHTING ARRANGEMENT

Scale: 1"=100'

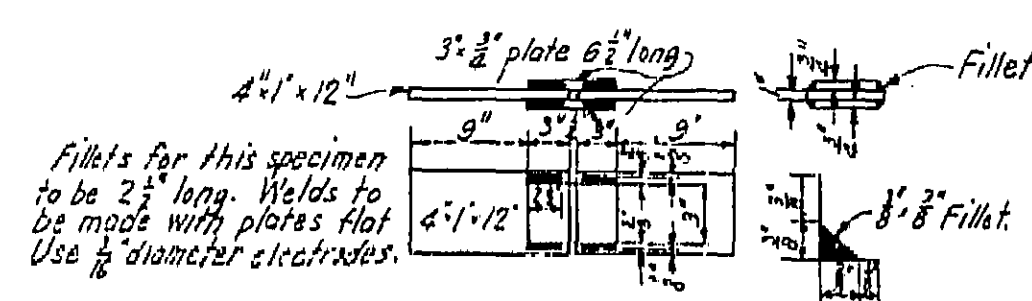


PLAN SHOWING LOCATION OF 5' WARPED CONCRETE PAVEMENT

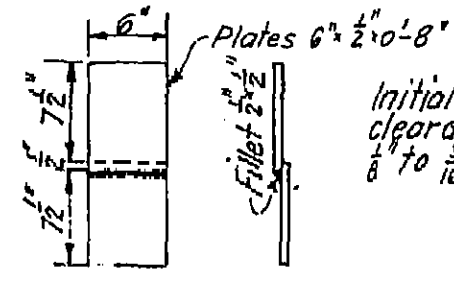
Scale: 1"=20'

Note: Reinforce pavement along edges similar to details shown on Sheet #21. Locate construction joints as shown to match existing pavement.

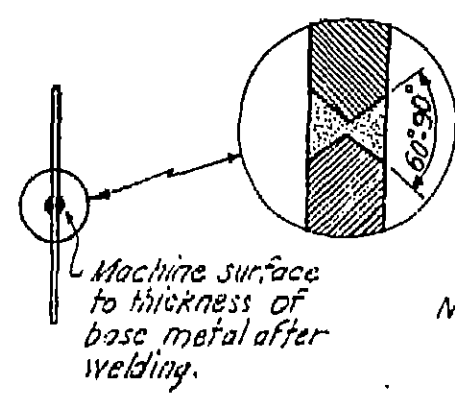
Note: See special provisions for details of welding tests and flame cutting operations.



FILLET WELD TEST SPECIMEN



LAP WELD SPECIMEN



BUTT WELD SPECIMEN

BRIDGE DEPARTMENT

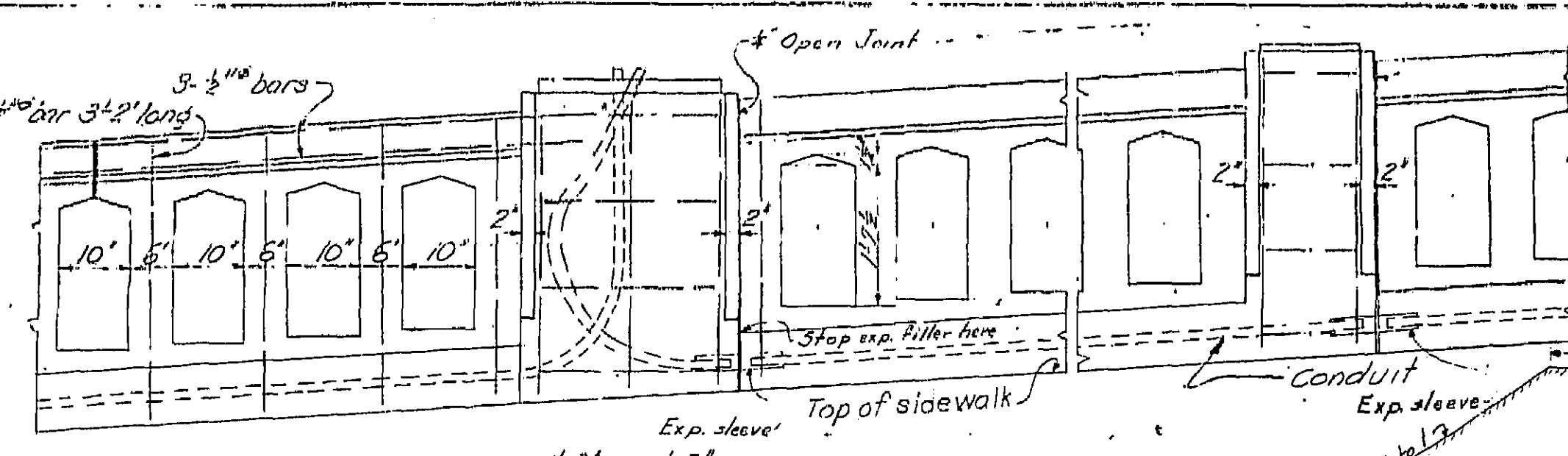
Checked by	Approved by
Drawn by	Checked by
Scale	Scale
Sheet No.	Sheet No.
Project No.	Project No.
City	City
State	State
Date	Date

MT. VERNON AVENUE VIADUCT
MISCELLANEOUS DETAILS
SCALE AS SHOWN
BRIDGE NO. 54-253
DRAWN BY C-151 (122)

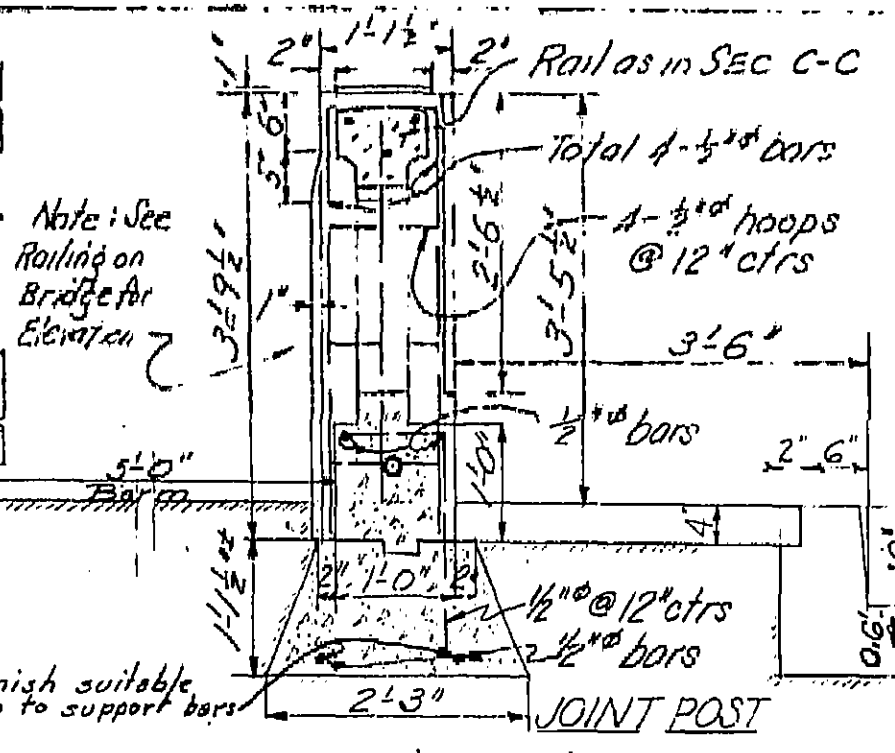
54C-55

Change the folder
to match
revised light file
to match for Bureau
Final Check

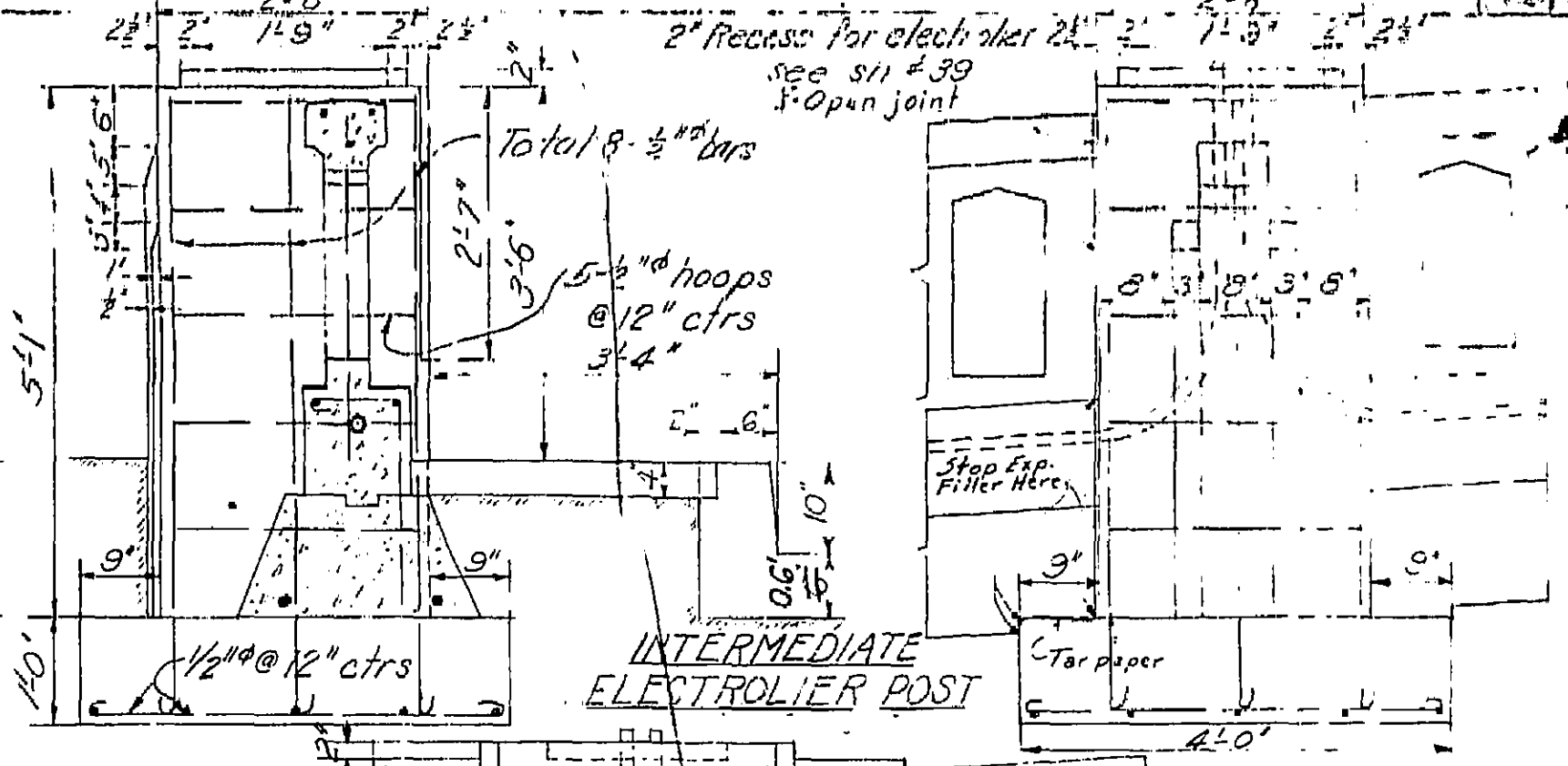
September 1, 1933



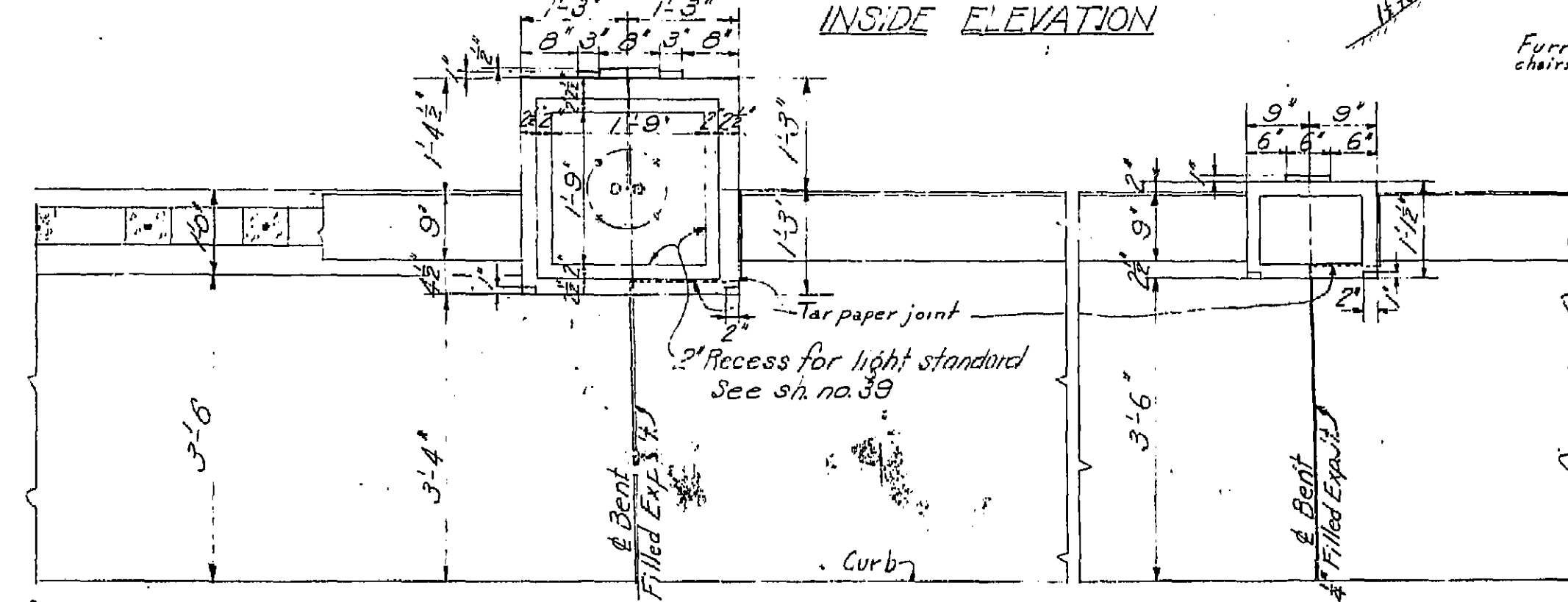
INSIDE ELEVATION



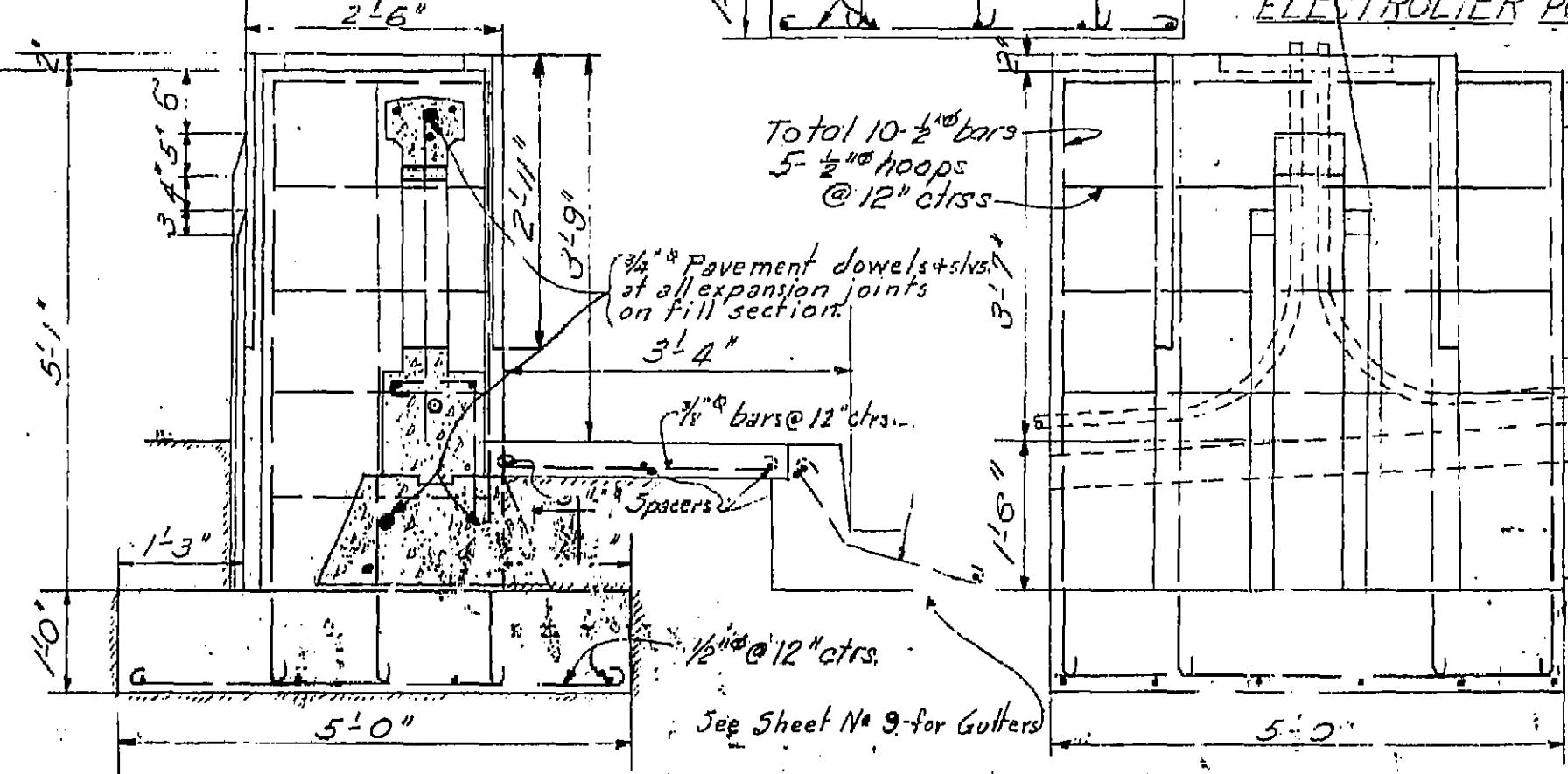
JOINT POST



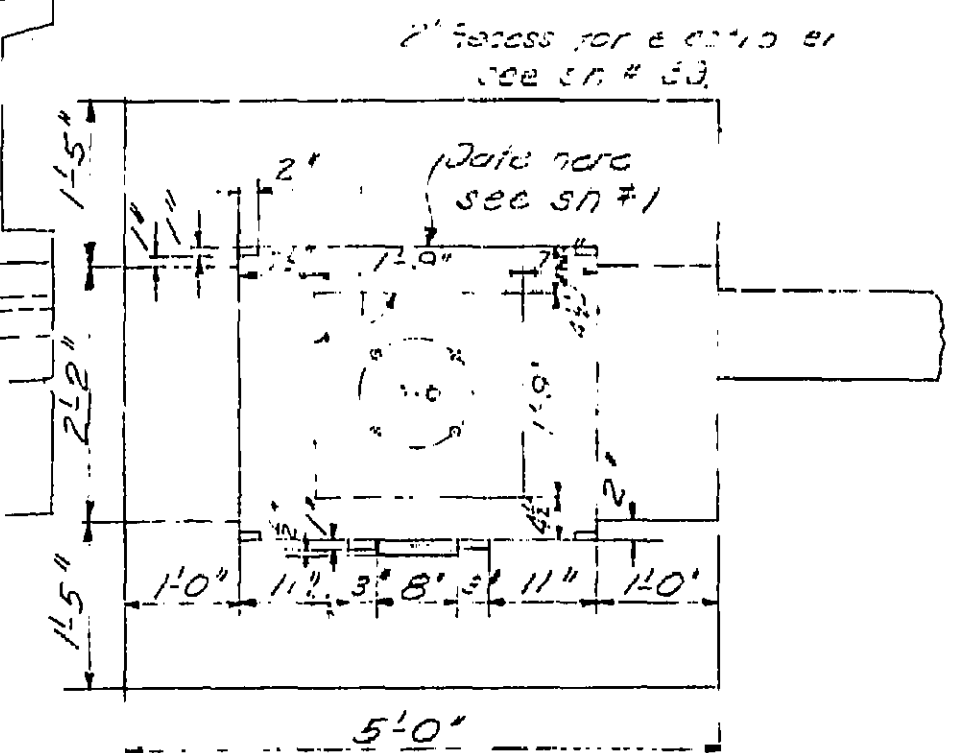
INTERMEDIATE ELECTROLIER POST



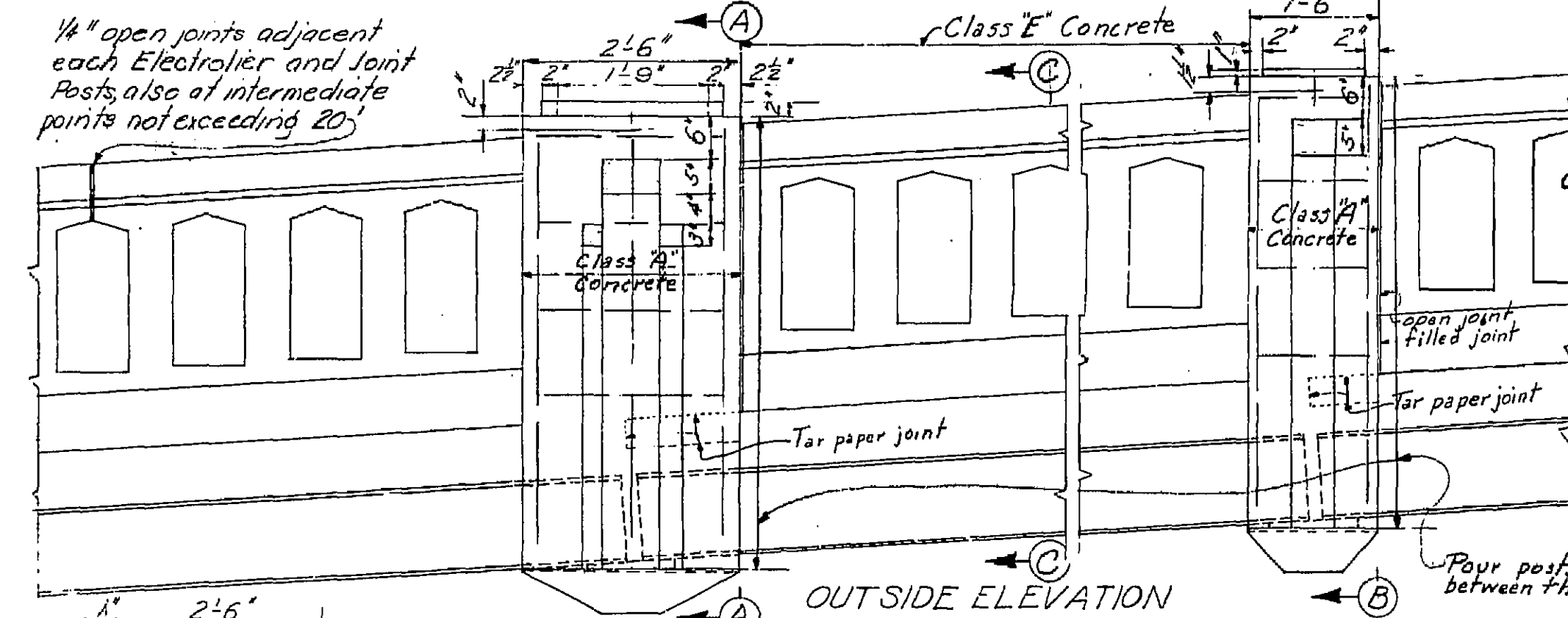
PLAN



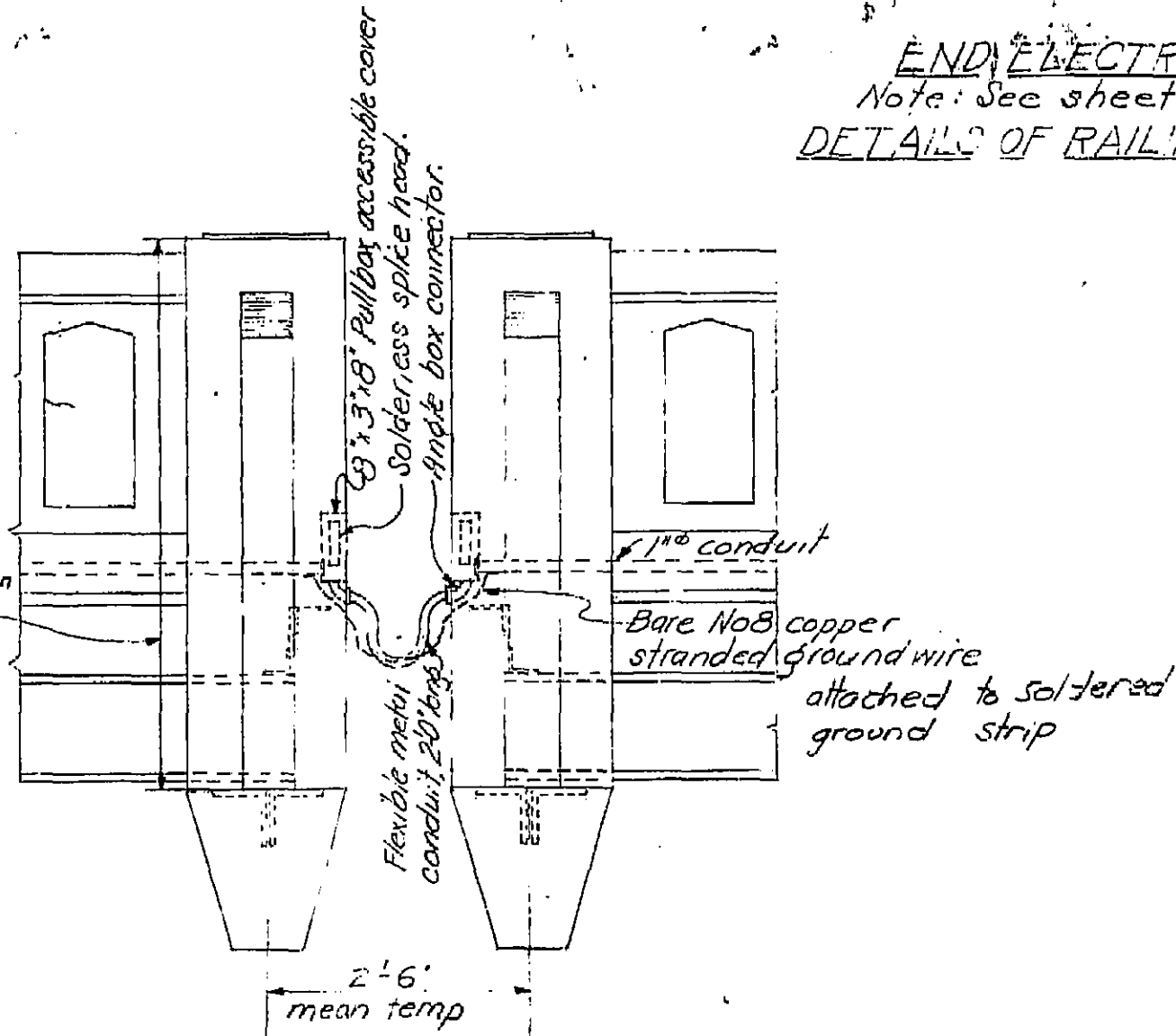
END ELECTROLIER POST



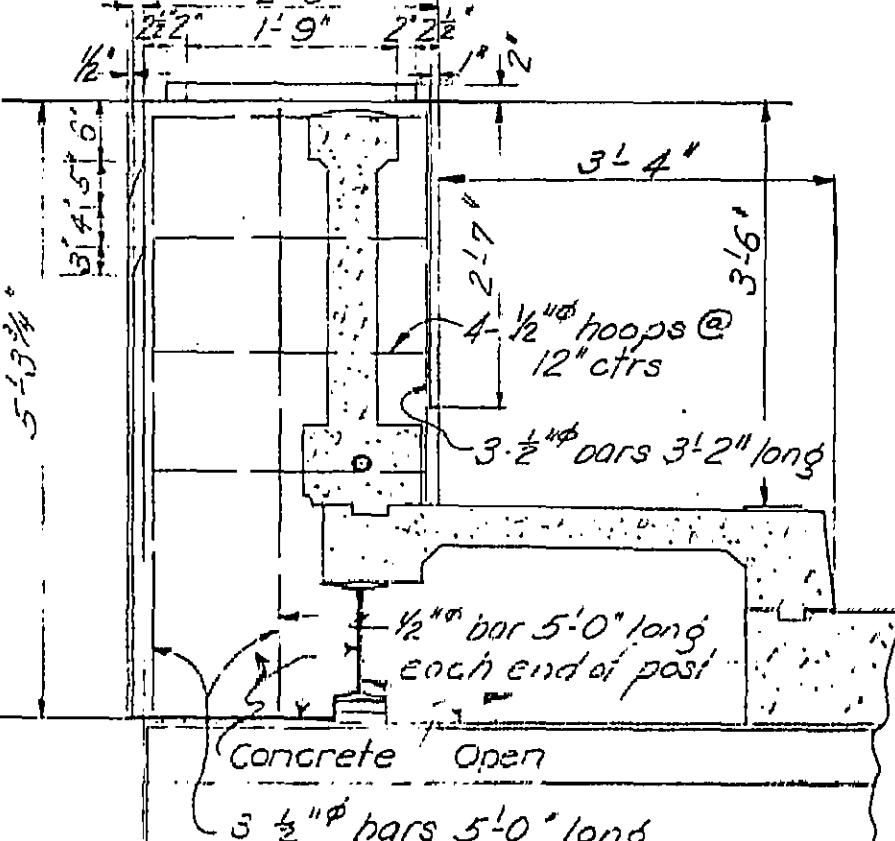
JOINT POST



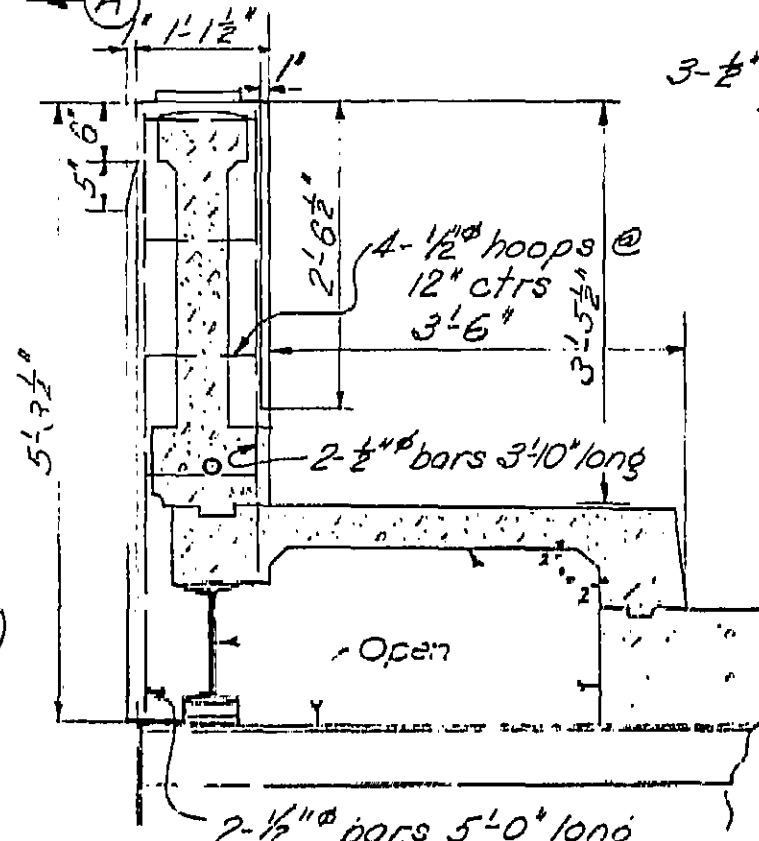
OUTSIDE ELEVATION



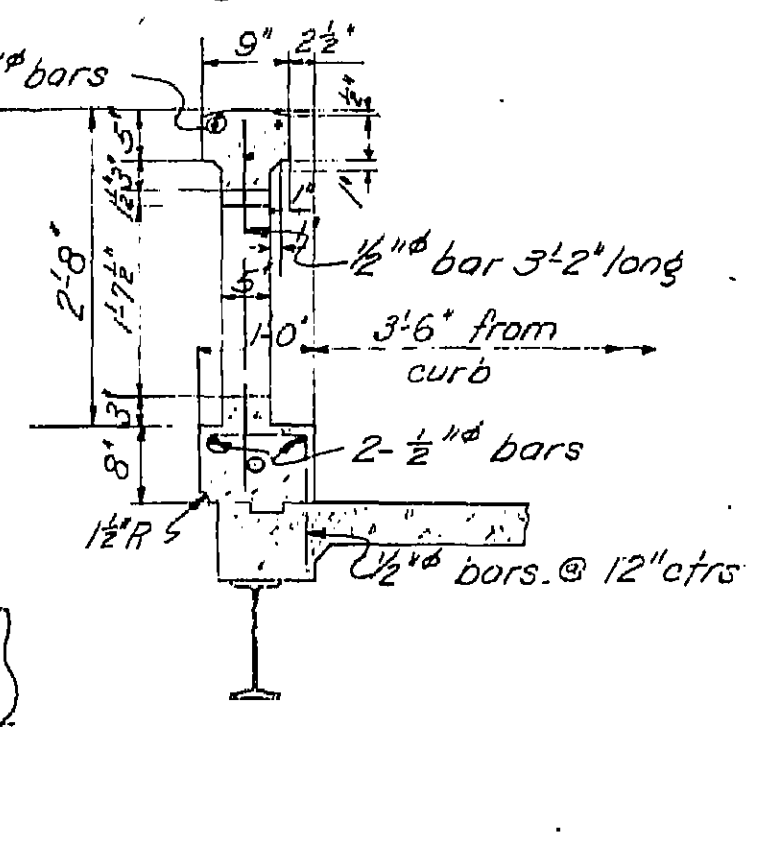
ELEVATION AT BENT No 11



SECTION A-A



SECTION B-B



SECTION C-C

DETAILS OF RAILING ON BRIDGE

Checked by	HDS
Designed by	HDS
Drawn by	HDS
Scale	1/4" = 1'-0"
Date	9-1-33
Project	Highway 9
Sheet	54C-66
Contract	1000000
Division	Highways
Section	Structural
Sub-section	Railings
Sheet	54C-66
Scale	1/4" = 1'-0"
Date	9-1-33
Project	Highway 9
Sheet	54C-66
Contract	1000000
Division	Highways
Section	Structural
Sub-section	Railings

GENERAL NOTES

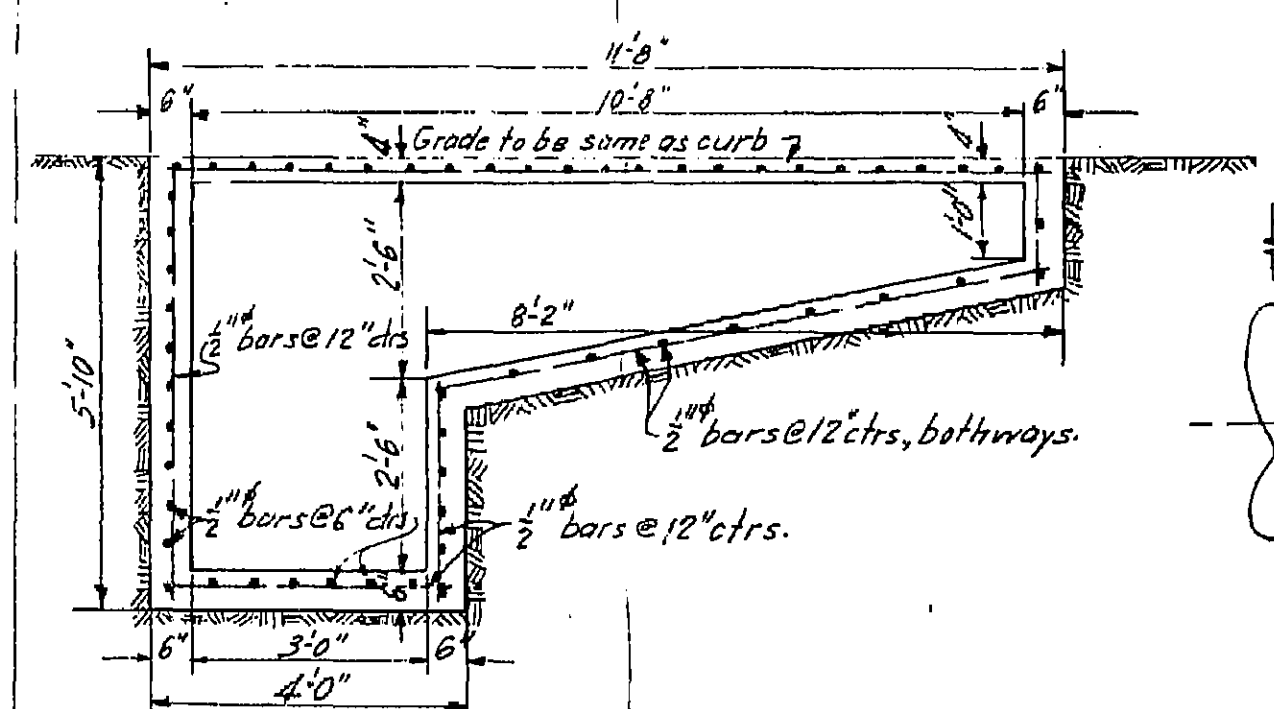
- Specifications: Department of Public Works Division of Highways Standard Specifications, dated January 1930
- Structural: See: For welding see Special Provisions. All field welds. All rivets $\frac{3}{8}$ ". Maximum design unit stress for floor system 16000 lbs per sq. inch. Maximum design unit stress for bent 18000 lbs per sq. in. Stresses increased 25% for wind.
- Reinforcing Steel: To be intermediate grade deformed bars 102 and 45 diameters where spaced in accordance with code except as noted.
- Concrete: To be Class "A" & "E". See spec. for payment. All exposed edges of railing except open ends to be chamfered. All exposed edges of structure concrete to be chamfered 1". Pies: To be treated Douglas fir. See Specs. Forming.
- Painting: No paint shall be applied to structure under this contract.
- Steel Erection: No strainer connection on girders until concrete deck and sidewalks have set. Connections shall be at least one inch in diameter before pouring concrete.
- Miscellaneous: Erection of iron pipes, expansion joints, expansion of rail on bent will be paid for as structural steel.
- Concrete Sidewalks, Curb & Gutters: between end abutments or bents or fills and structure, to be paid for as Class "E" concrete for sidewalks. All others to be paid for as Class "A" concrete or Class "A" concrete.

#54C-66

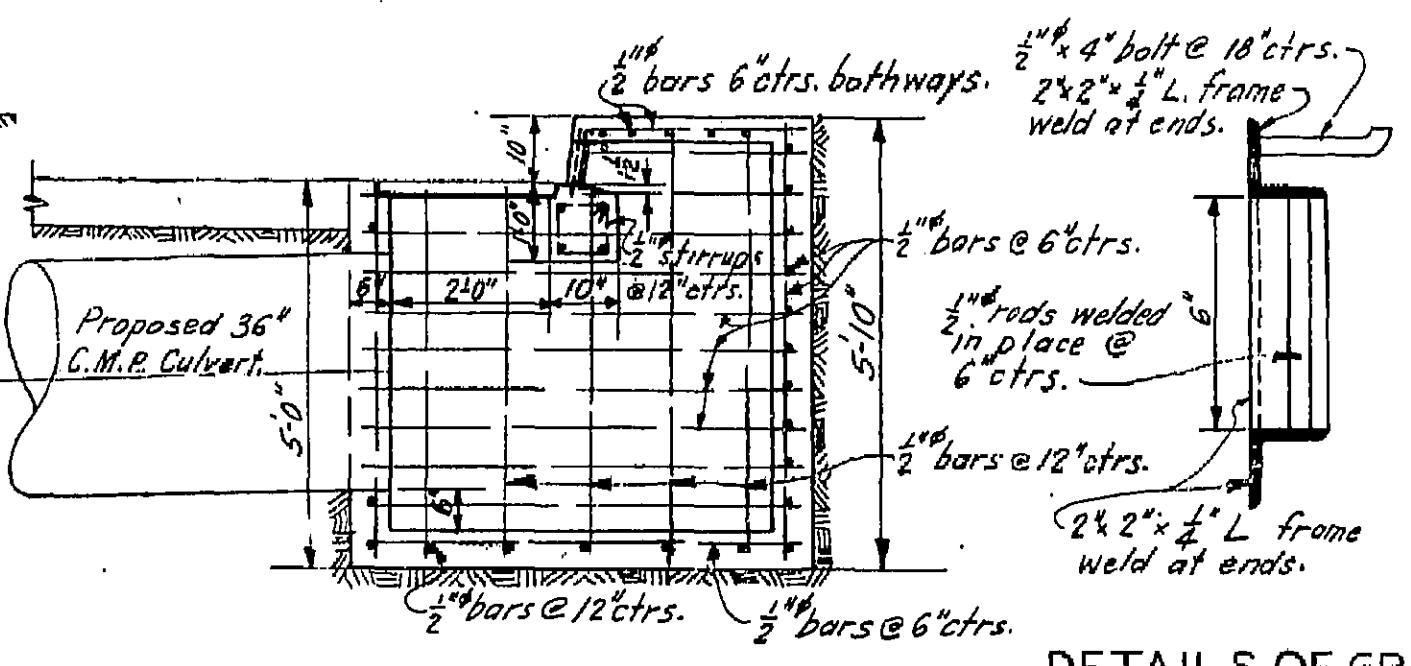
C-151-125

LIST OF REVISIONS AND PRINTS
 15 Prints for Bureau

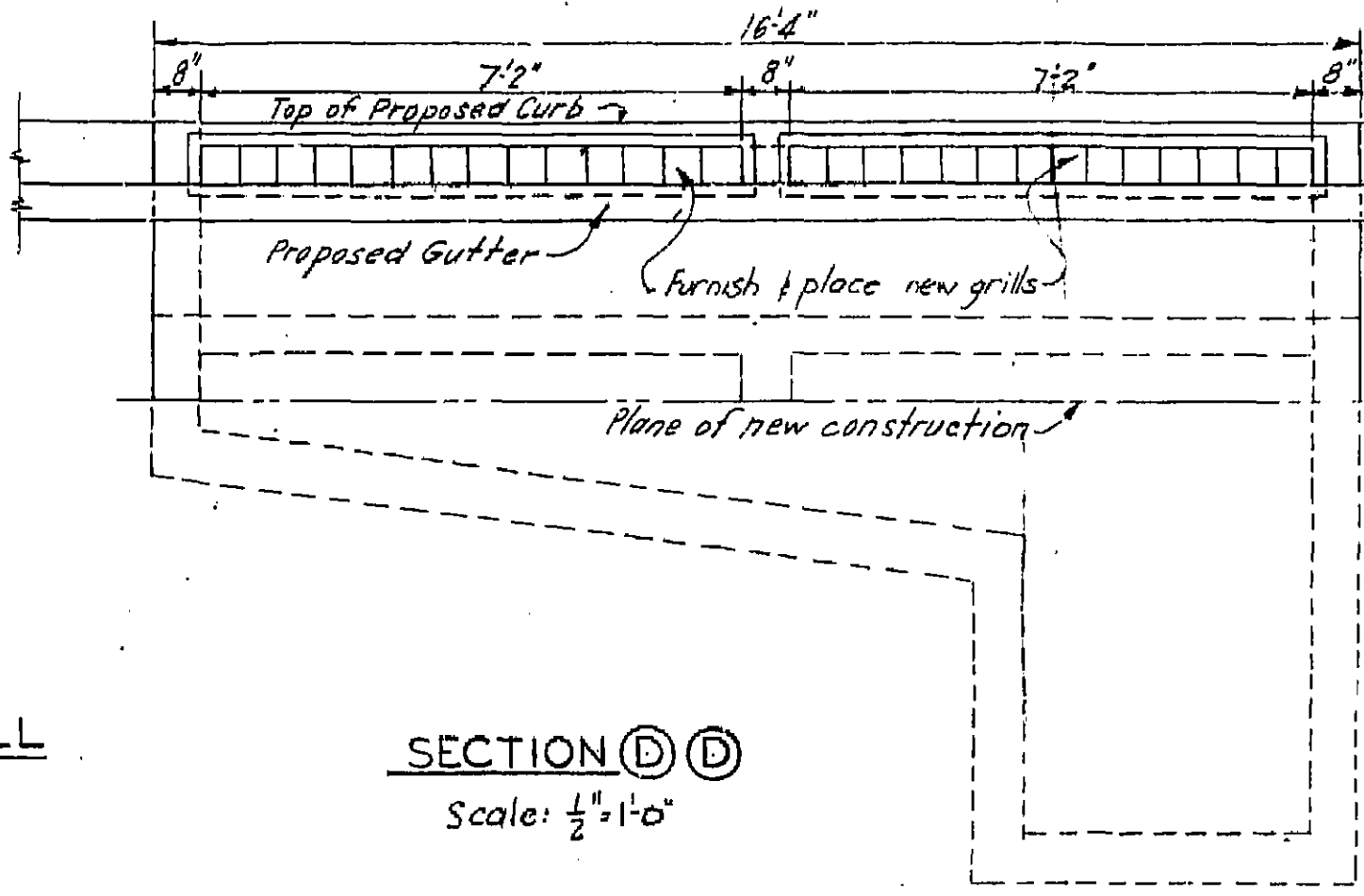
CALIFORNIA HIGHWAY & TRANSPORTATION
 DIVISION
 September 1, 1946



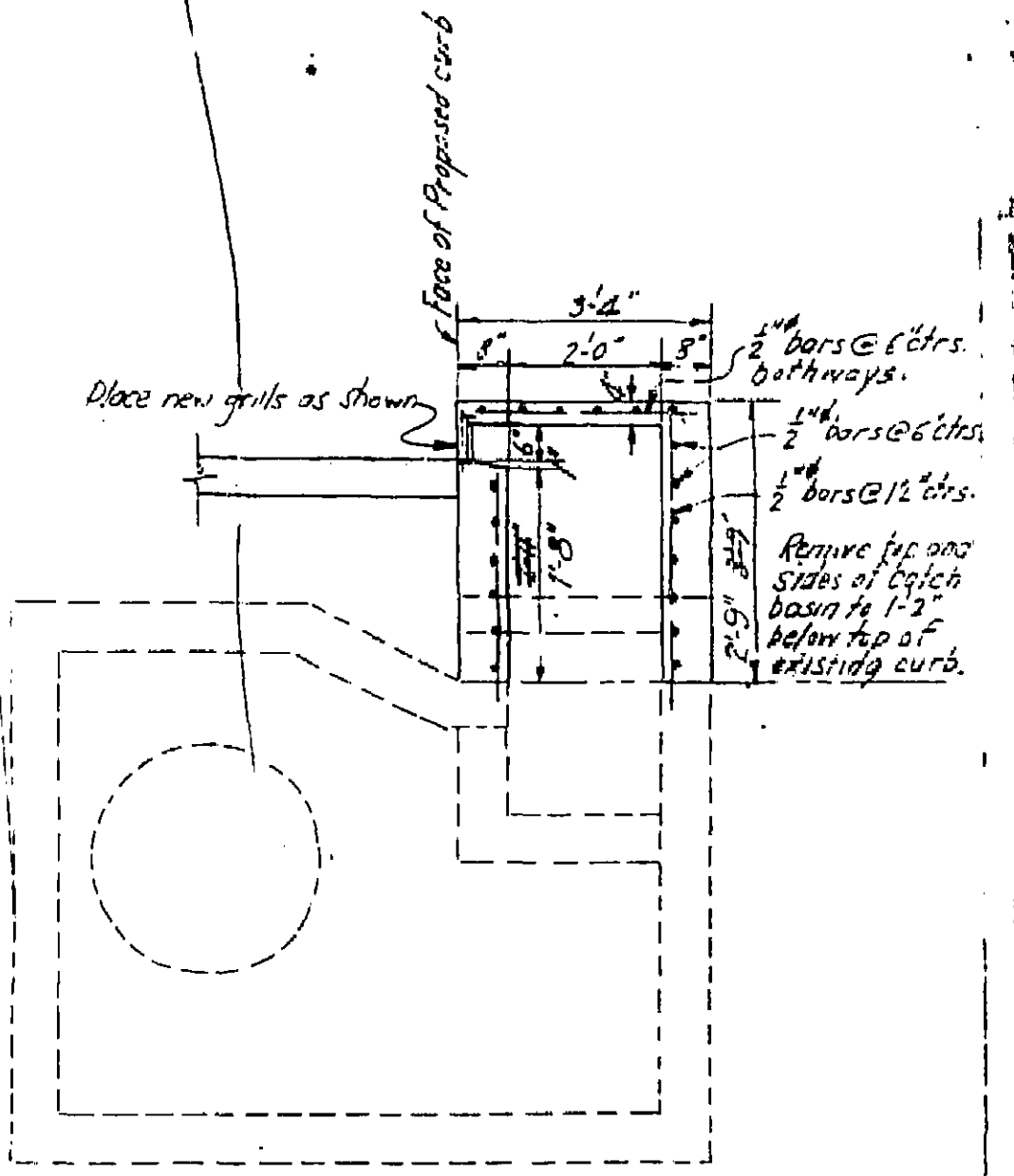
SECTION C-C
 Scale: 1/2" = 1'-0"



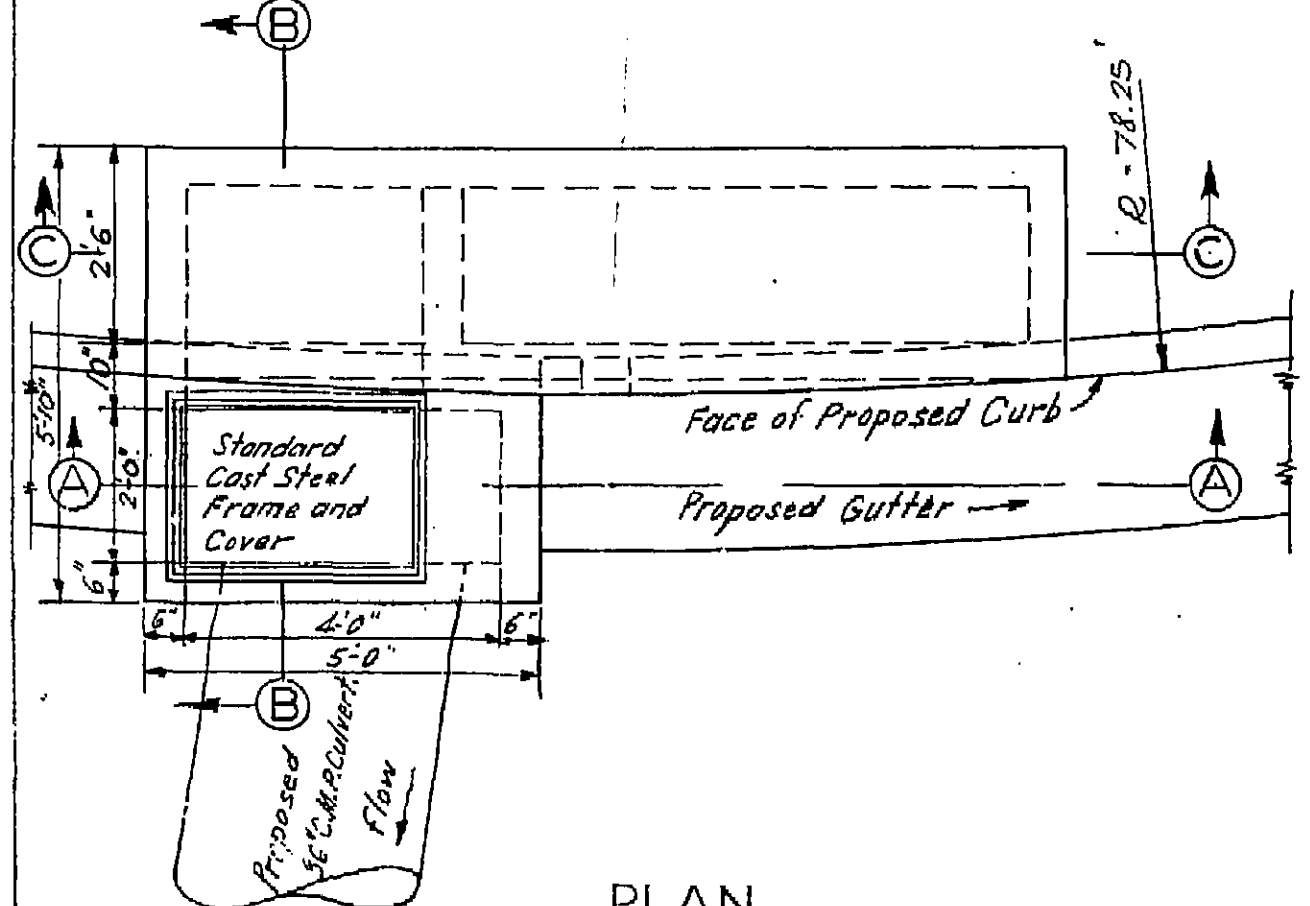
SECTION B-B
 Scale: 3/4" = 1'-0"
 DETAILS OF GRILL
 Scale: 3/4" = 1'-0"



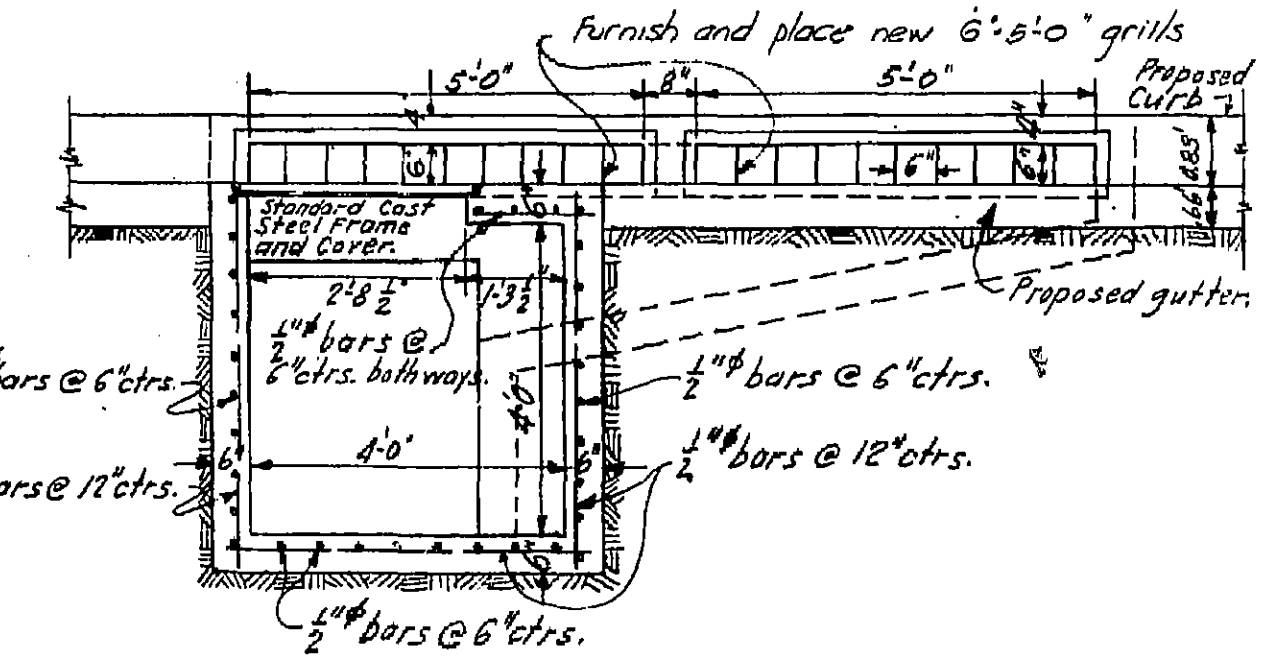
SECTION D-D
 Scale: 1/2" = 1'-0"



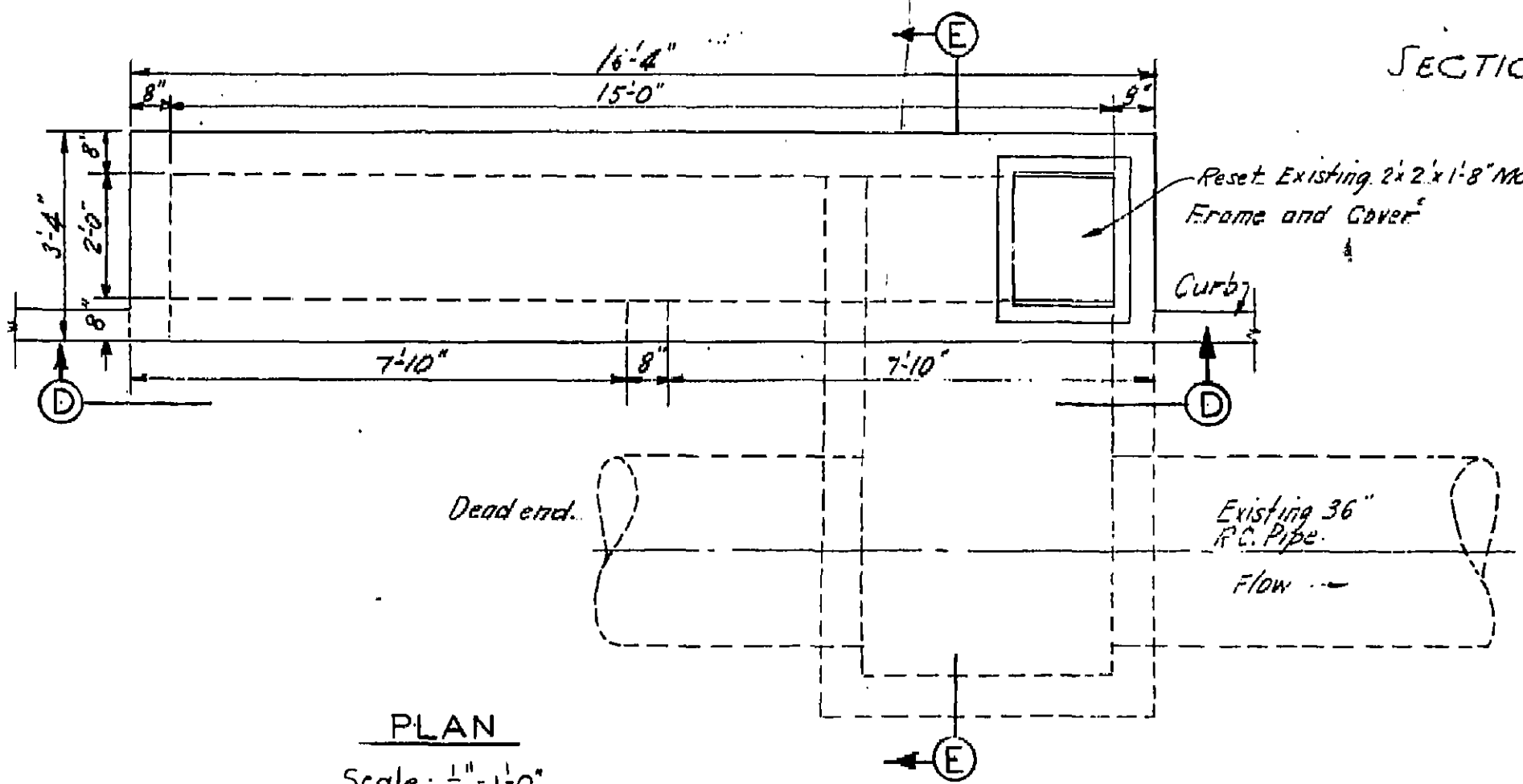
SECTION E-E



PLAN
 Scale: 1/2" = 1'-0"



SECTION A-A
 Scale: 1/2" = 1'-0"



PLAN
 Scale: 1/2" = 1'-0"

COMBINED DROP INLET AND CATCH BASIN
 STATION 1+50
 ON 'Y' CONNECTION FOURTH ST. TO MT. VERNON AVE.

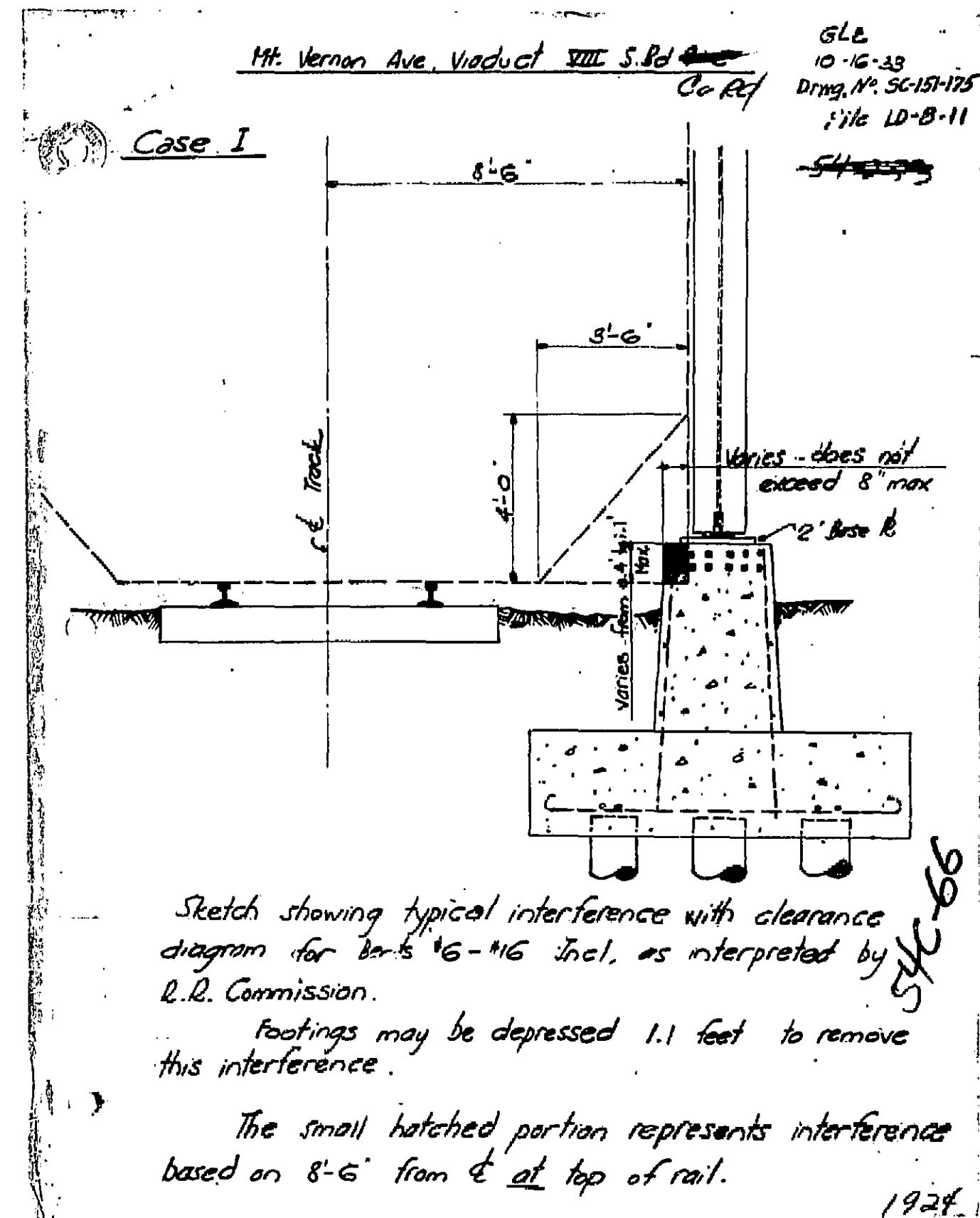
RECONSTRUCTION OF EXISTING SIDE INLET
 STATION 15+00
 ON NORTH MOUNT VERNON AVE

Note: See sheet 17 for location of inlets shown on this sheet.

SAC-EG
 MOUNT VERNON AVENUE VIADUCT
 DROP INLET AND CATCH BASIN
 SCALE: 1/2" = 1'-0" OR AS NOTED
 BRIDGE NO. 52-157-157
 DRAWING NO. C-157-157

BRIDGE DEPARTMENT
 DIVISION OF HIGHWAYS
 STATE OF CALIFORNIA

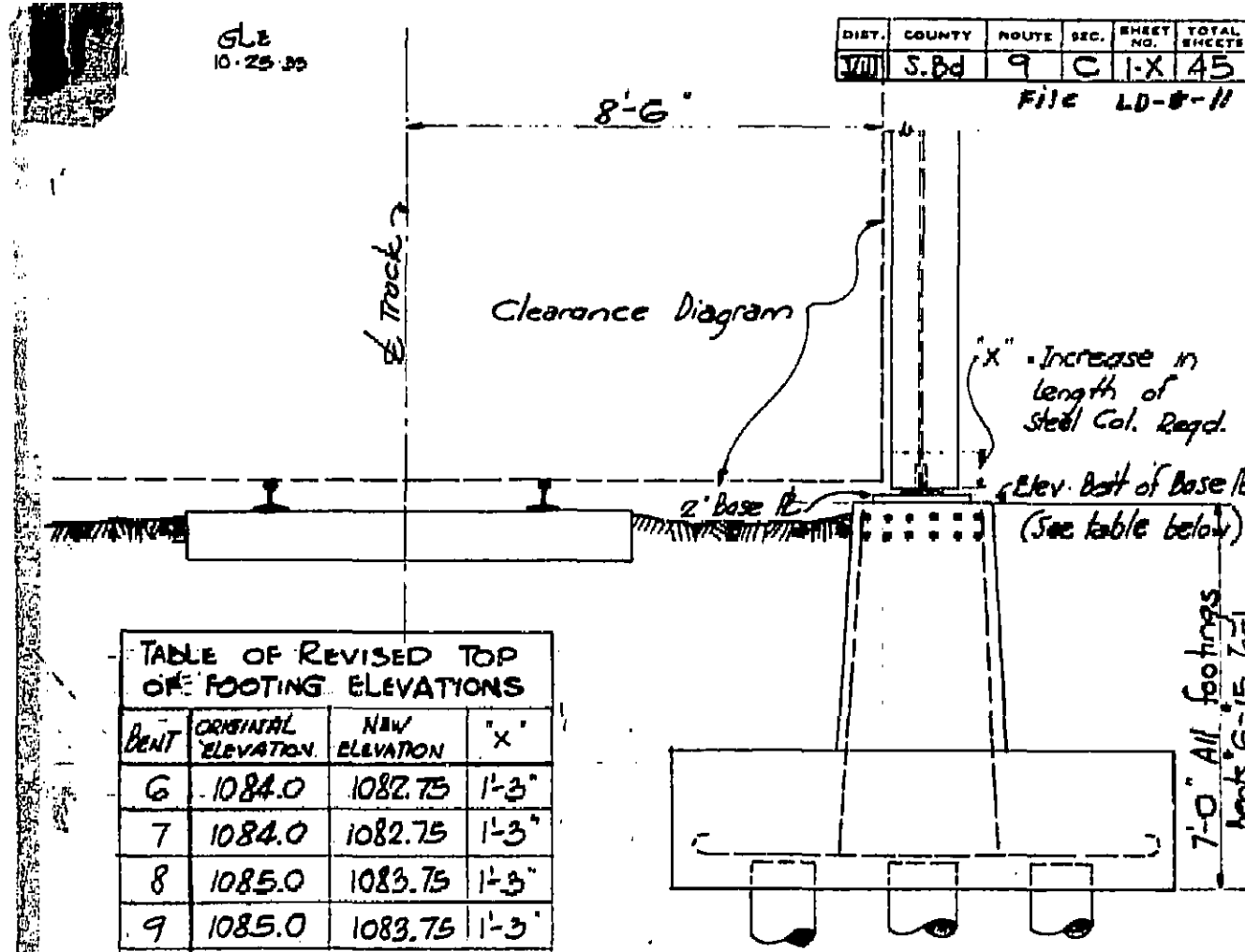
Checked by	GLE 9-28
Designed by	FM 4-33
Drawn by	GLE 9-28
Reviewed by	GLE 9-28
Scale	1/2" = 1'-0"
Sheet No.	1123
Project No.	52-157-157
Contract No.	
Location	
Notes	
Drawn	
Checked	
Approved	



GLE
10-25-30

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	S. Dc	9	C	1-X	45

File LD-8-11



BENT	ORIGINAL ELEVATION	NEW ELEVATION	'X'
6	1084.0	1082.75	1'-3"
7	1084.0	1082.75	1'-3"
8	1085.0	1083.75	1'-3"
9	1085.0	1083.75	1'-3"
10	1085.0	1084.0	1'-0"
11	1088.0	1087.0	1'-0"
12	1088.0	1087.0	1'-0"
13	1089.0	1087.75	1'-3"
14	1089.0	1088.0	1'-0"
15	1089.0	1087.75	1'-3"
16	1089.0	1088.0	1'-0"

Cross Section shown above is typical for Bents #6-#15, Incl. All footings remain 7'-0" in height as shown on Design Sheets #12 & #13. Pier #16 footing elevation to remain at 1070.0. Top of pier elevation to change as noted in Table.

Note
All bents not listed above to remain as shown on design drawings # 54C-66

MOUNT VERNON AVENUE VIADUCT	
REVISIONS TO FOOTING ELEVATIONS	
Scale: $\frac{3}{8}$ " = 1'-0"	File No. LD-8-11
Bridge No. 54C-66	Dwg. No. SC-187-177

1926