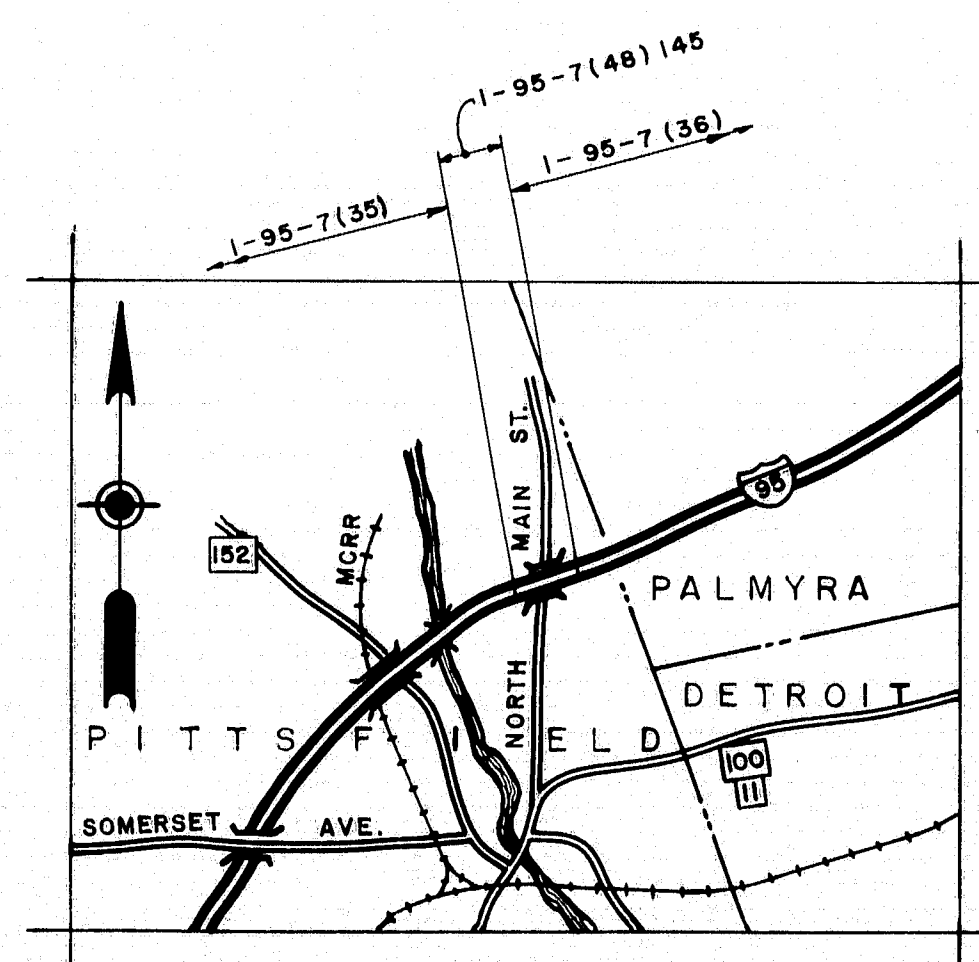


STATE OF MAINE
STATE HIGHWAY COMMISSION



INTERSTATE 95
OVER
NORTH MAIN STREET
IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY

FEDERAL AID PROJECT NO. I-95-7(48)145
LENGTH OF PROJECT 0.052 MILES



LOCATION MAP
APPROX. SCALE - 1" = 1 MILE

INDEX OF SHEETS

1	TITLE SHEET
2	GENERAL PLAN (ESTIMATE OF QUANTITIES)
3-4	FOUNDATION SURVEY
5	PROFILES - ROADWAY WORK
6	SOUTHBOUND CROSS SECTIONS
7	NORTHBOUND CROSS SECTIONS
8-9	CROSS SECTIONS - NORTH MAIN STREET
10	ABUTMENT NO. 1 - N.B.
11	ABUTMENT NO. 2 - N.B.
12	ABUTMENT NO. 1 - S.B.
13	ABUTMENT NO. 2 - S.B.
14	PIERS - NORTHBOUND & SOUTHBOUND
15	STRUCTURAL STEEL
16	BLOCKING SCHEDULE (ESTIMATE OF BRIDGE QUANTITIES)
17	SUPERSTRUCTURE
18	SLOPE PAVING
19	REINFORCING STEEL, GRANITE BRIDGE CURB, APPROACH SLAB DETAIL STANDARD DETAILS, BD 101-62, BD 102-62, BD 103-62

TRAFFIC

NORTH MAIN STREET	INTERSTATE 95
510	A.D.T. 1962 5830
715	A.D.T. 1982 7920
86	D.H.V. 950
11 %	T 11 %
60 %	D 60 %
45 MPH	V 60 MPH

APPROVED
MAINE STATE HIGHWAY COMMISSION

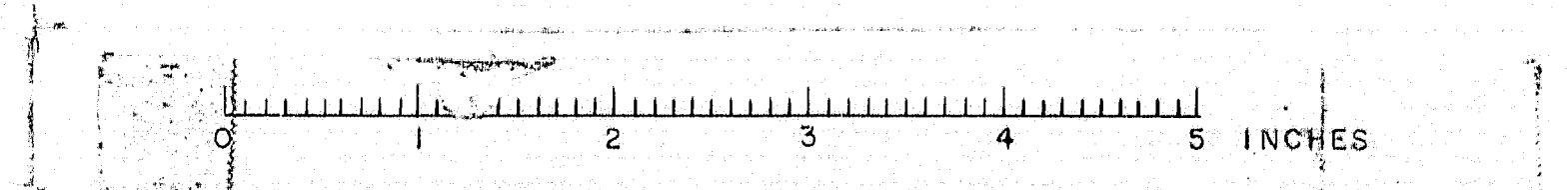
David W. Thomas
CHAIRMAN
E. J. ...
...
CHIEF ENGINEER

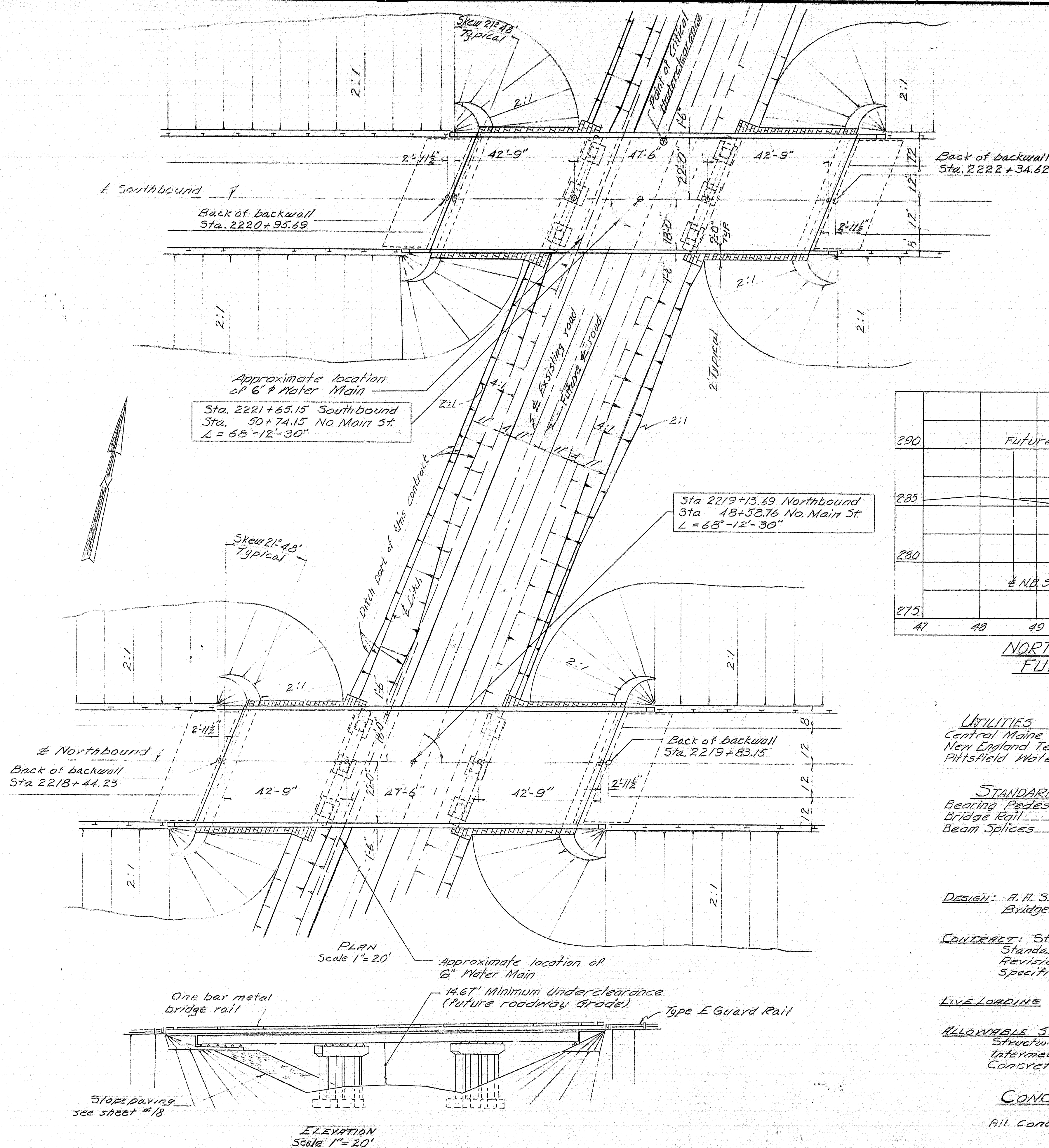
4-10-63
DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION 1

APPROVED

DIVISION ENGINEER DATE

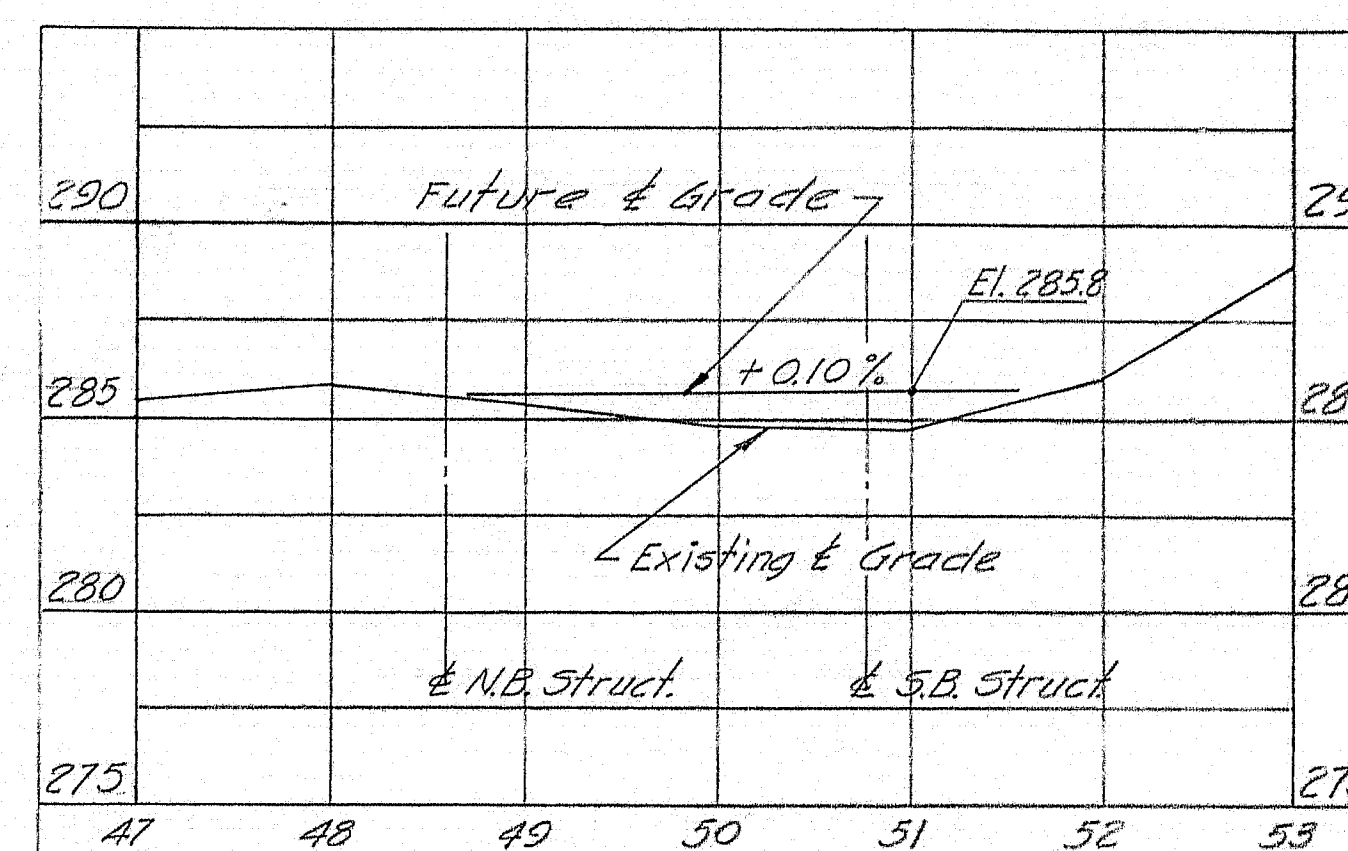




ESTIMATE OF QUANTITIES		
ITEM	UNIT	QUANTITY
Structural Earth Excavation Piers	CY	350
Common Excavation	C.Y.	6200
Granular Borrow	CY	800
Gravel Borrow - In Place Measurement	CY	1250
Gravel Base Course - In Place Measurement	CY	1250
*Bituminous Concrete Surface Course - Type "A"	Tons	135
Portland Cement Concrete - Abutments & Retaining Walls	C.Y.	400
Portland Cement Concrete - Piers	C.Y.	195
Portland Cement Concrete - Rdwy & Shoulder Steel Br.	C.Y.	320
Portland Cement	bbl.	1380
Structural Steel, Fabricated & Delivered	L.S.	2.5
Structural Steel, Erection	L.S.	L.S.
Structural Steel, Field Painting	L.S.	L.S.
Reinforcing Steel, Delivered	Lbs.	132700
Reinforcing Steel, Placing	Lbs.	132700
Steel H-Beam Piles, 42" x 14"	Lin. Ft.	1358
Aluminum Rail - Alternate "A"	Lin. Ft.	606
Steel Rail - Alternate "B"	Lin. Ft.	606
*Membrane Waterproofing	S.Y.	1230
Epoxy Resin Surface Sealant	S.Y.	180
Slope Paving	S.Y.	1010
Granite Bridge Curb	Lin. Ft.	624
Loam Borrow	C.Y.	450
Sealing - Method No. 2	Units	50
Hay Mulch	Tons	5
Asphalt Mulch Binder	Gal.	350

Note - The estimated weight of Structural Steel is 230,700 Lbs., which includes drains.
 * Not a part of this contract.

For Bridge Quantities, see Sheet #16.



NORTH MAIN STREET
FUTURE GRADE

UTILITIES INVOLVED
 Central Maine Power Company
 New England Telephone & Telegraph Co.
 Pittsfield Waterworks

STANDARD DETAIL SHEETS
 Bearing Pedestals - BD 101-62
 Bridge Rail - BU 102-62
 Beam Splices - BD 103-62

SPECIFICATIONS

DESIGN: A.A.S.H.O. Standard Specifications for Highway Bridges 1961 and interim revisions.

CONTRACT: State of Maine State Highway Commission
 Standard Specifications Highways and Bridges
 Revision of January 1956, and Supplemental Specifications

LIVELOADING H 20-S16-44 (modified)

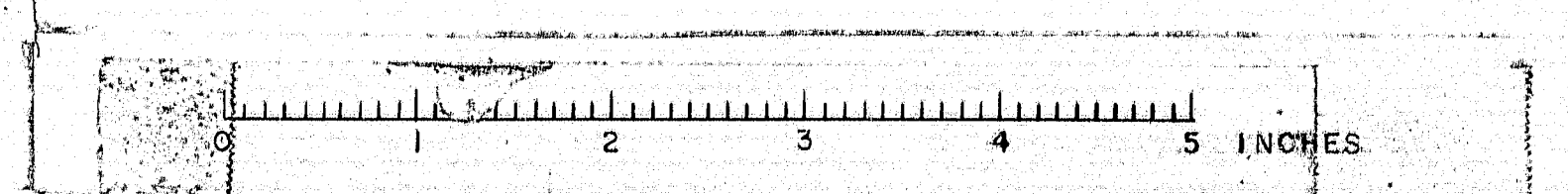
ALLOWABLE STRESSES
 Structural Steel A.S.T.M. Designation A36 - $f_s = 20,000$ p.s.i.
 Intermediate Grade Reinforcing Steel - $f_s = 20,000$ p.s.i.
 Concrete (17-10) - $f_c = 1200$ p.s.i.

CONCRETE CLASSIFICATION

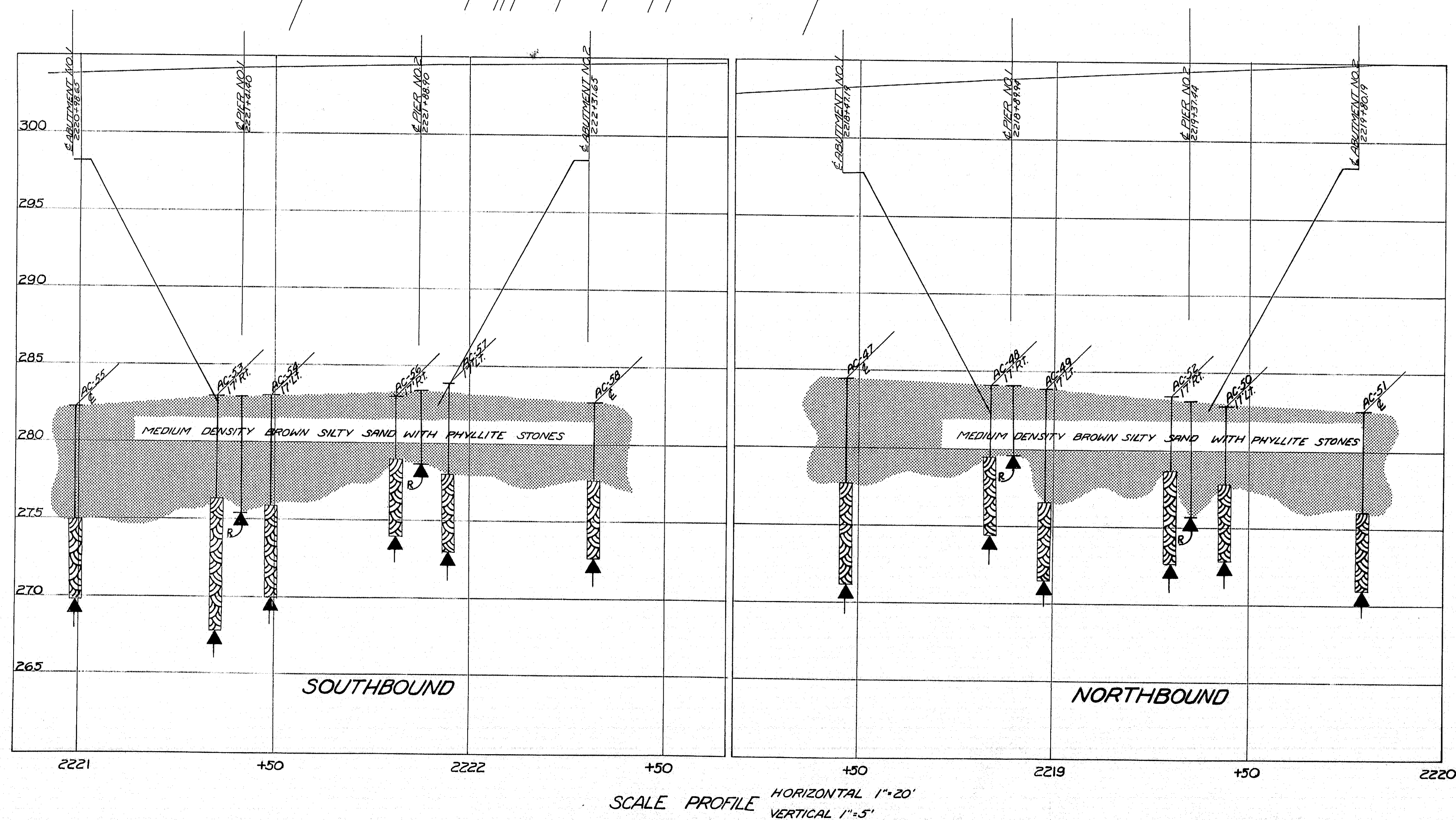
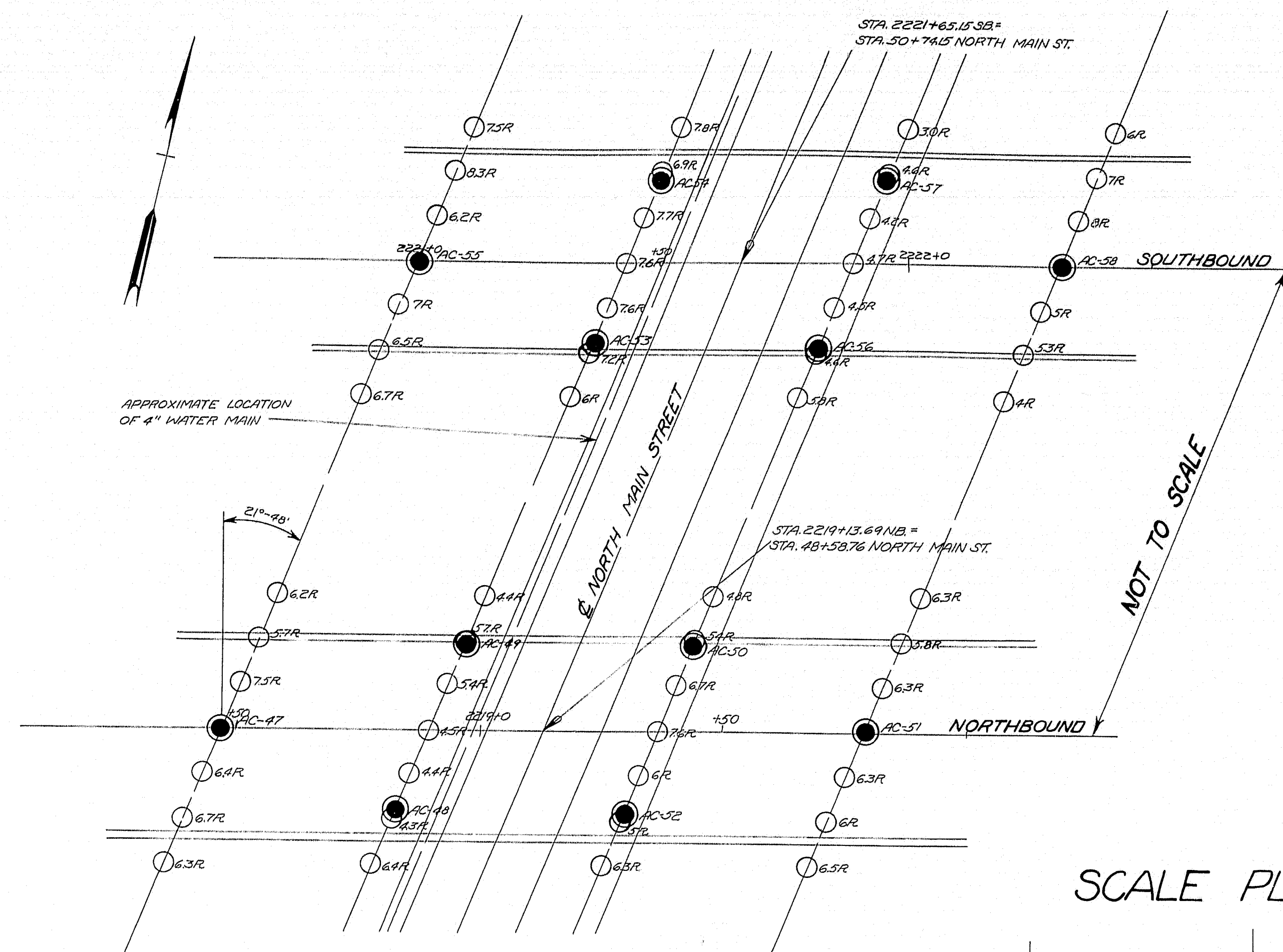
All Concrete - Class "A"

DESIGN - T.H.K.
 DETAIL - H.F.L.A.G.G.
 CHECK - T.H.K.
 STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
INTERSTATE 95
 OVER
NORTH MAIN STREET
 IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
 GENERAL PLAN
 SHEET 2 OF 19 AUGUSTA, MAINE MARCH 1963

86-103

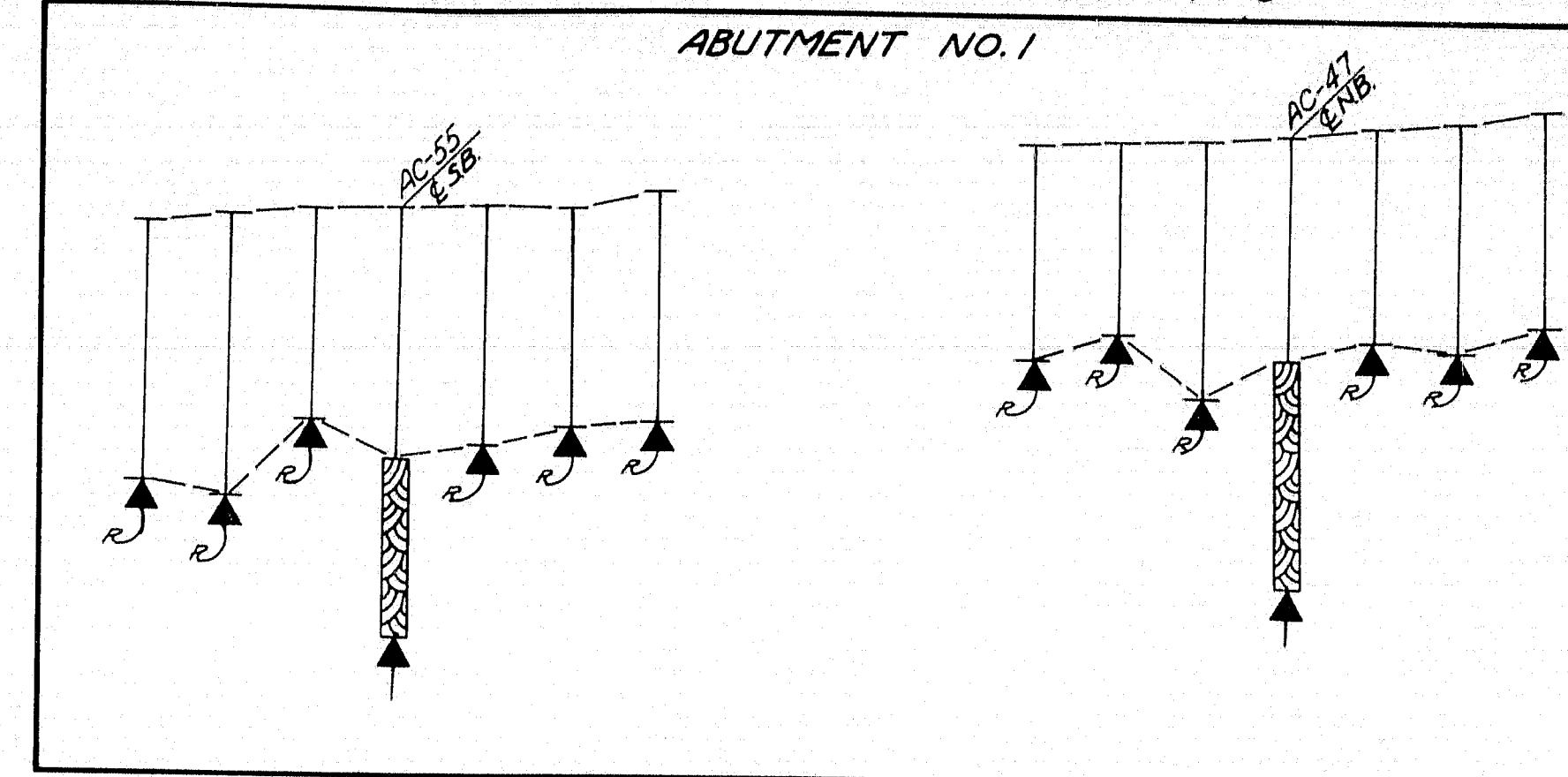


D. R. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7(18)	3	19

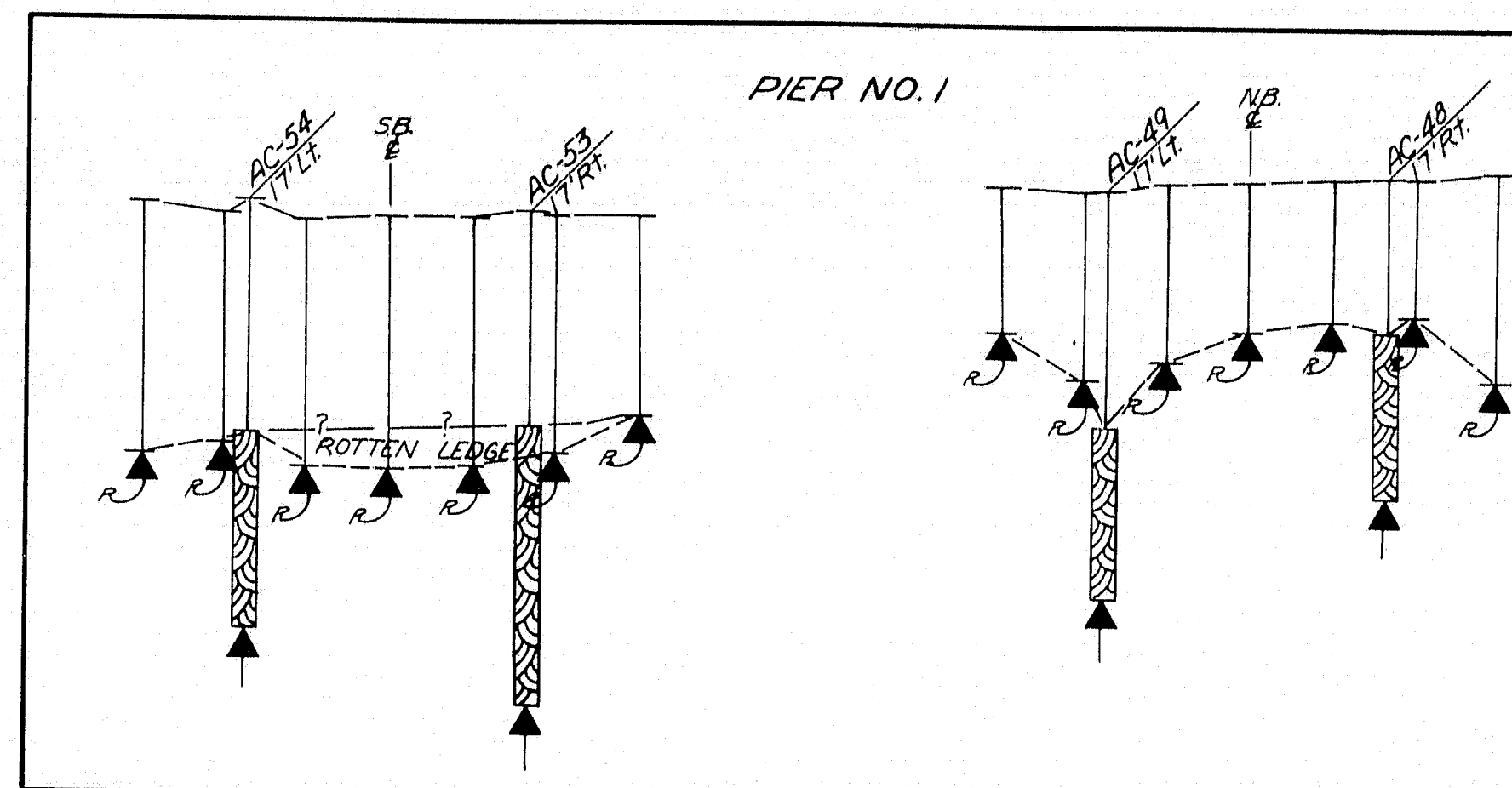


TRANSVERSE SECTIONS

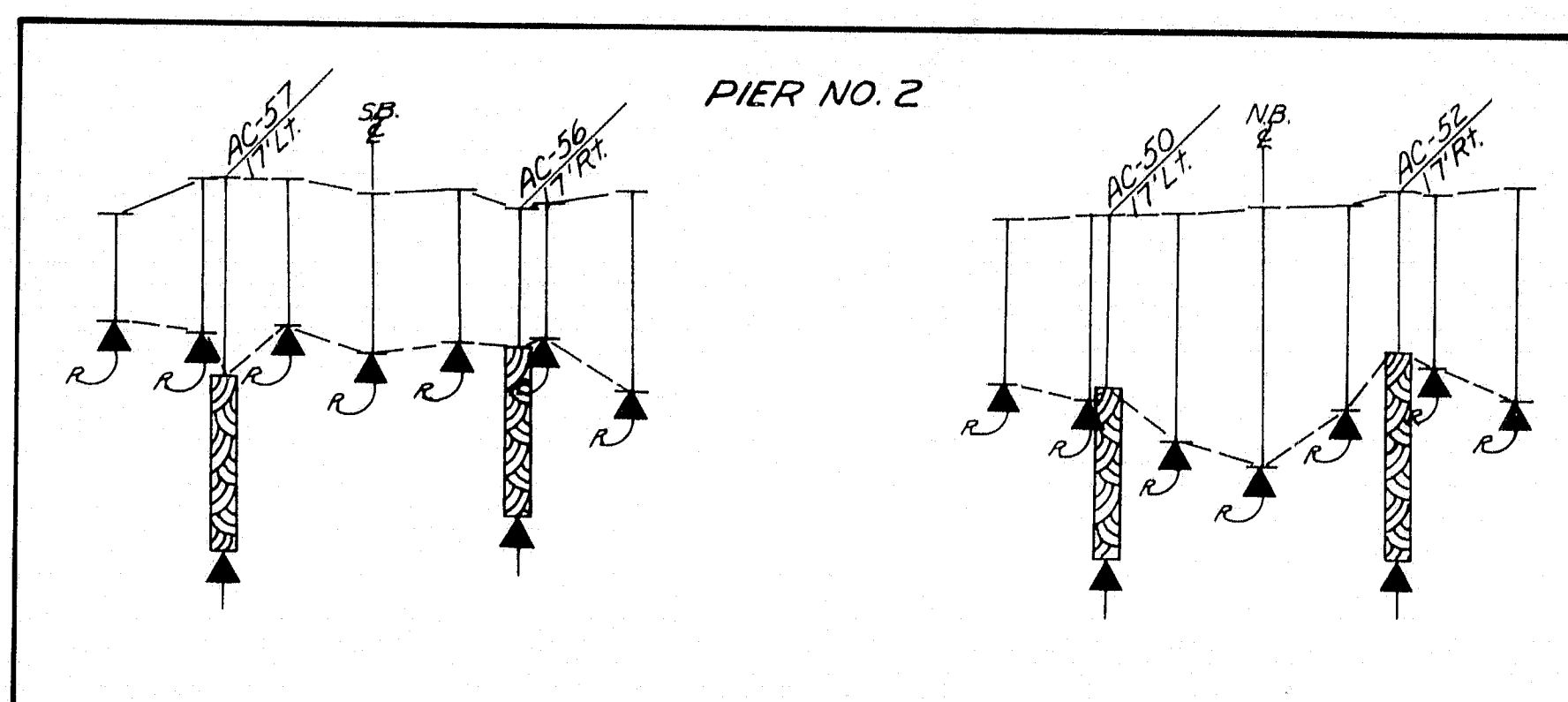
ABUTMENT NO. 1



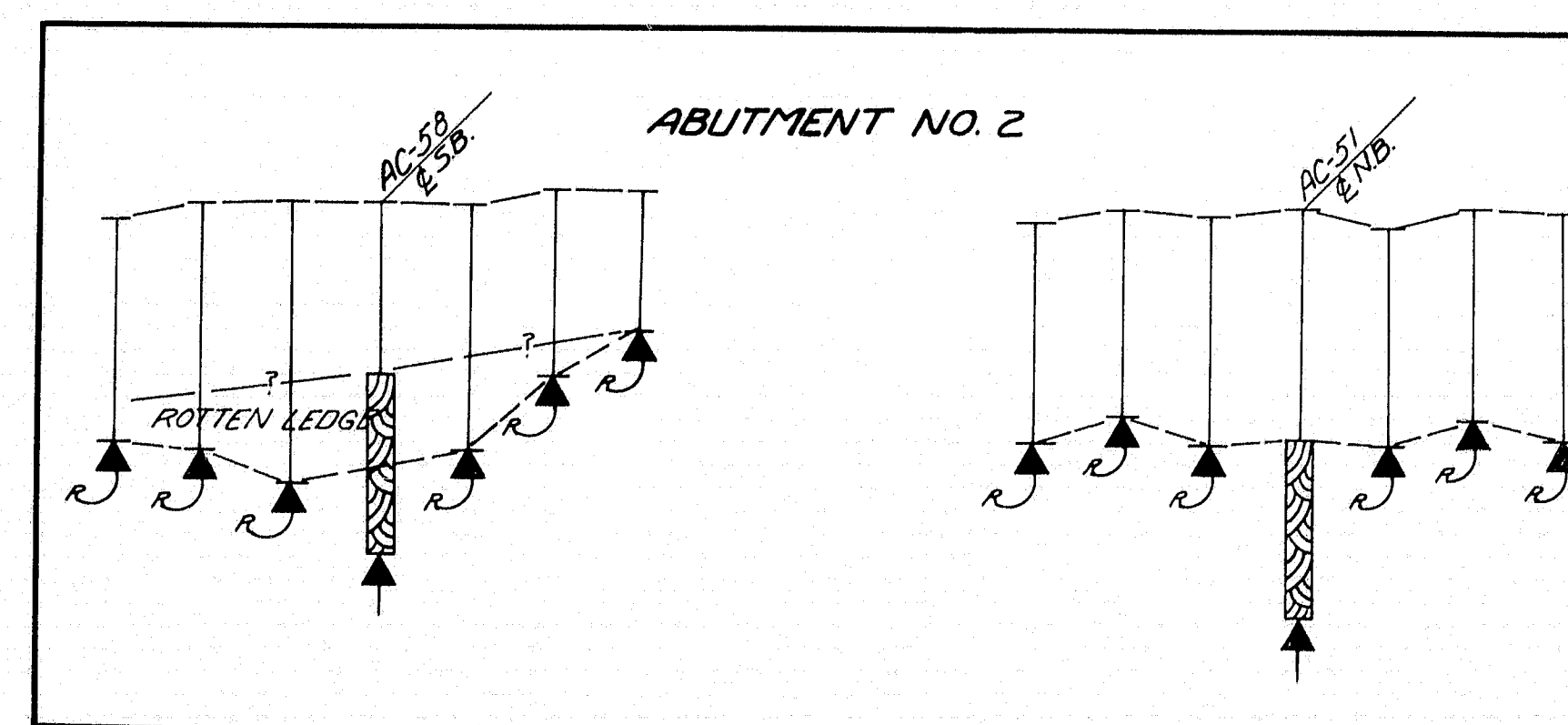
PIER NO. 1



PIER NO. 2

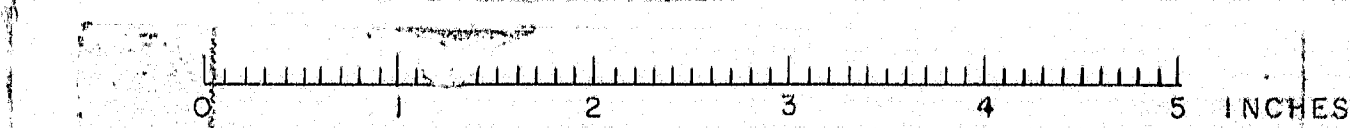


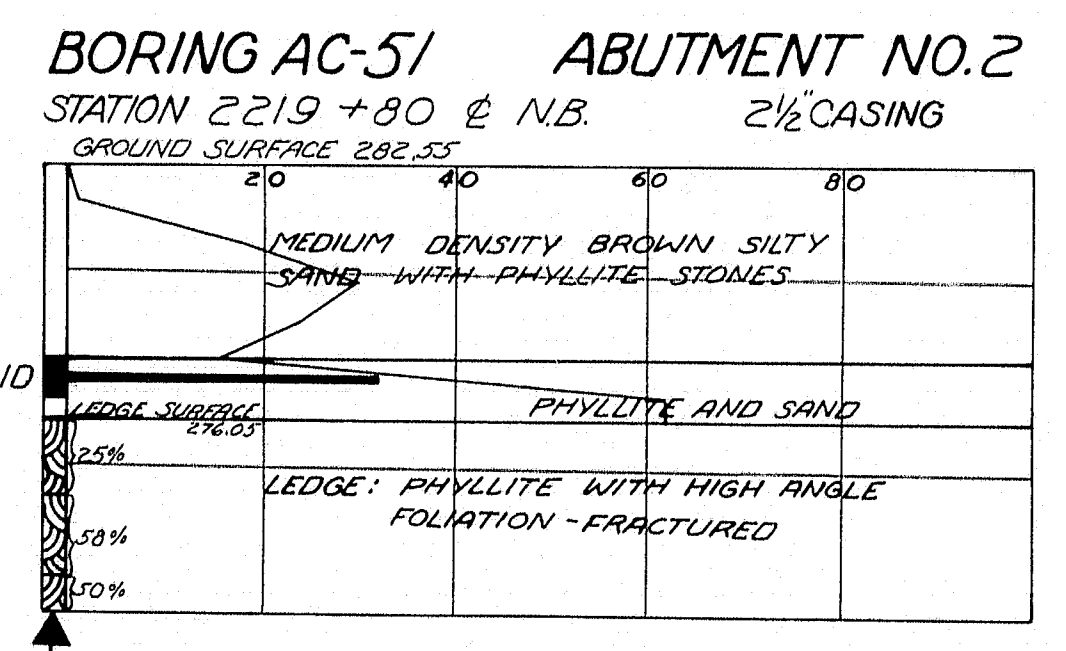
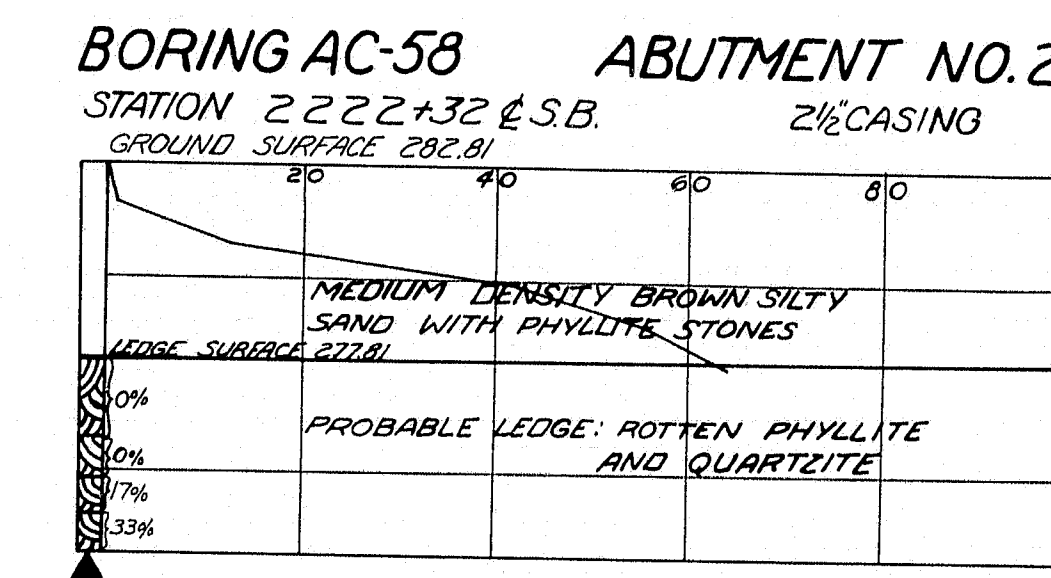
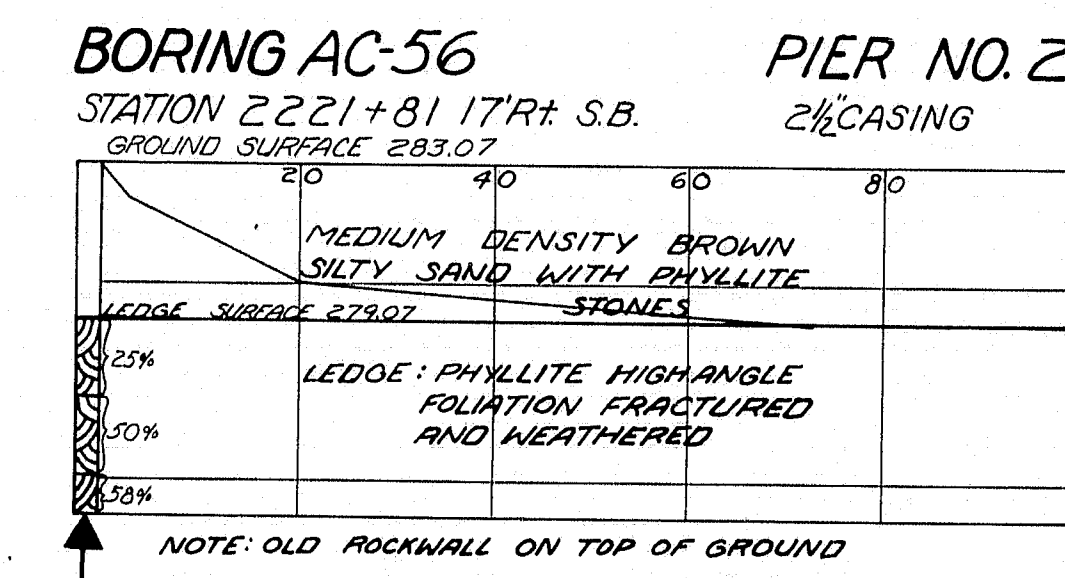
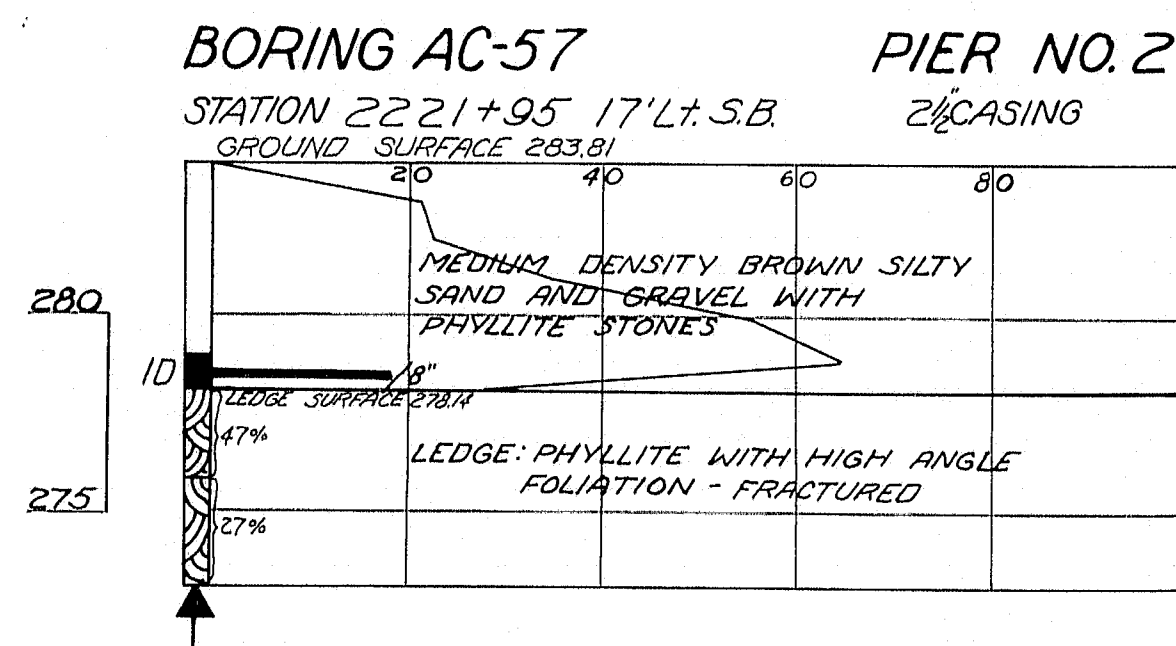
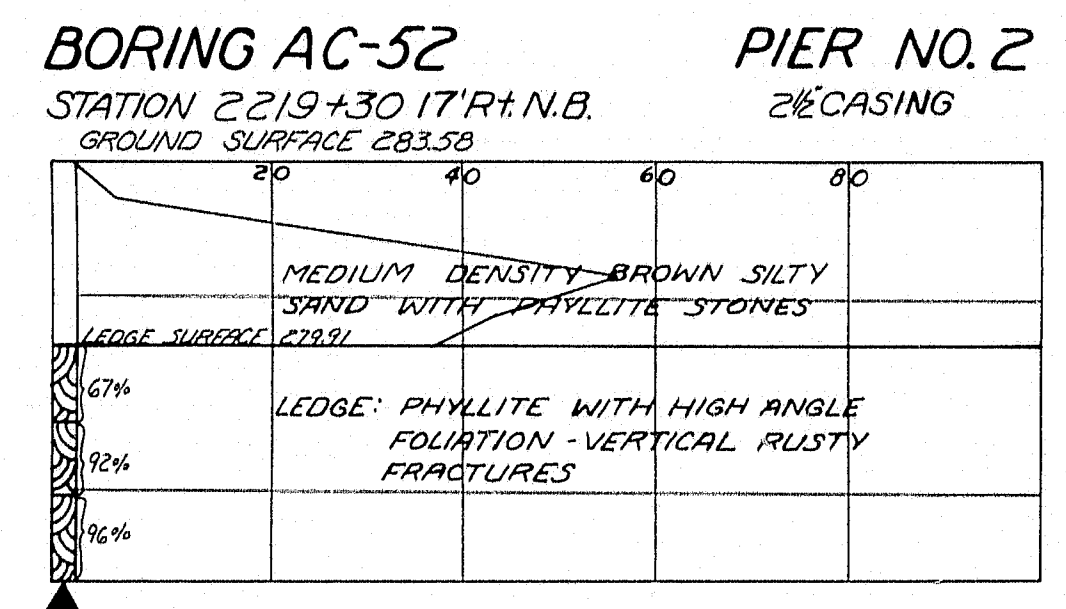
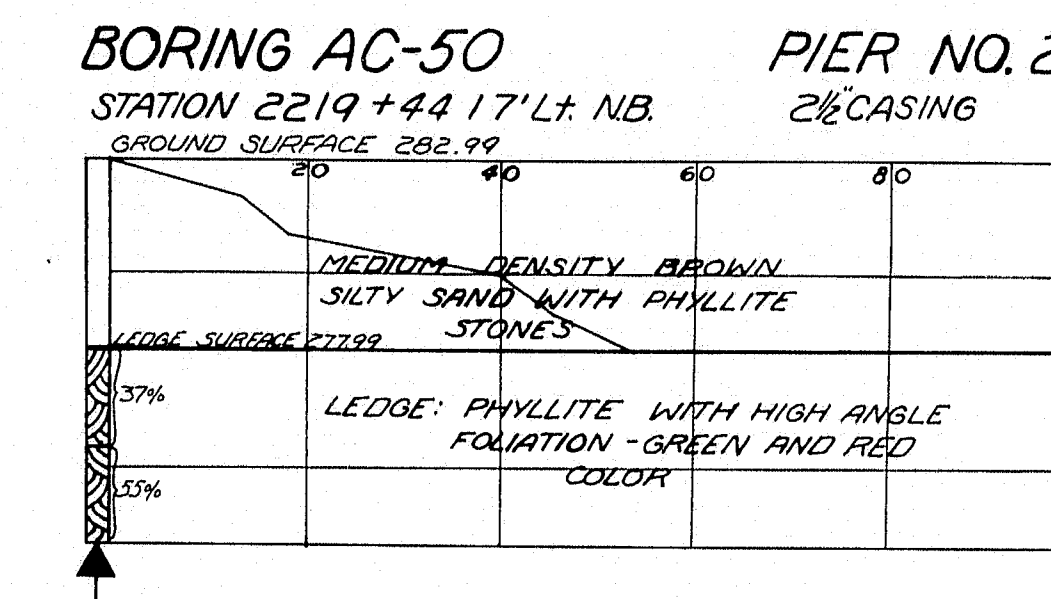
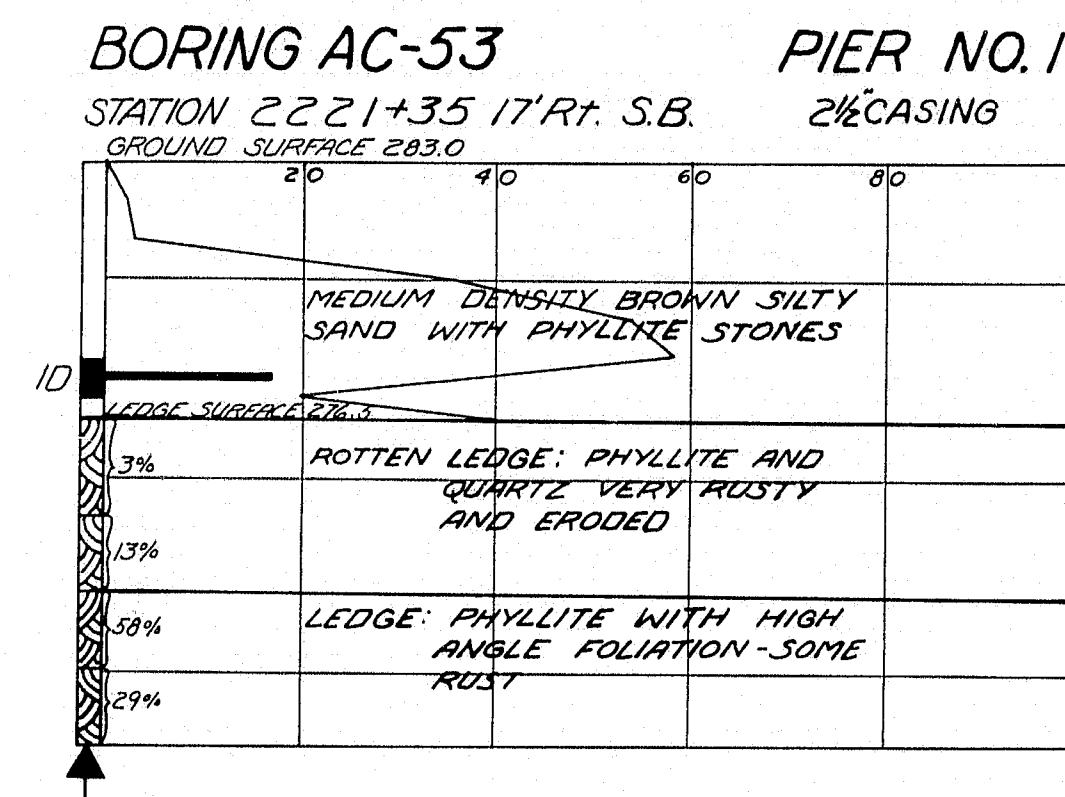
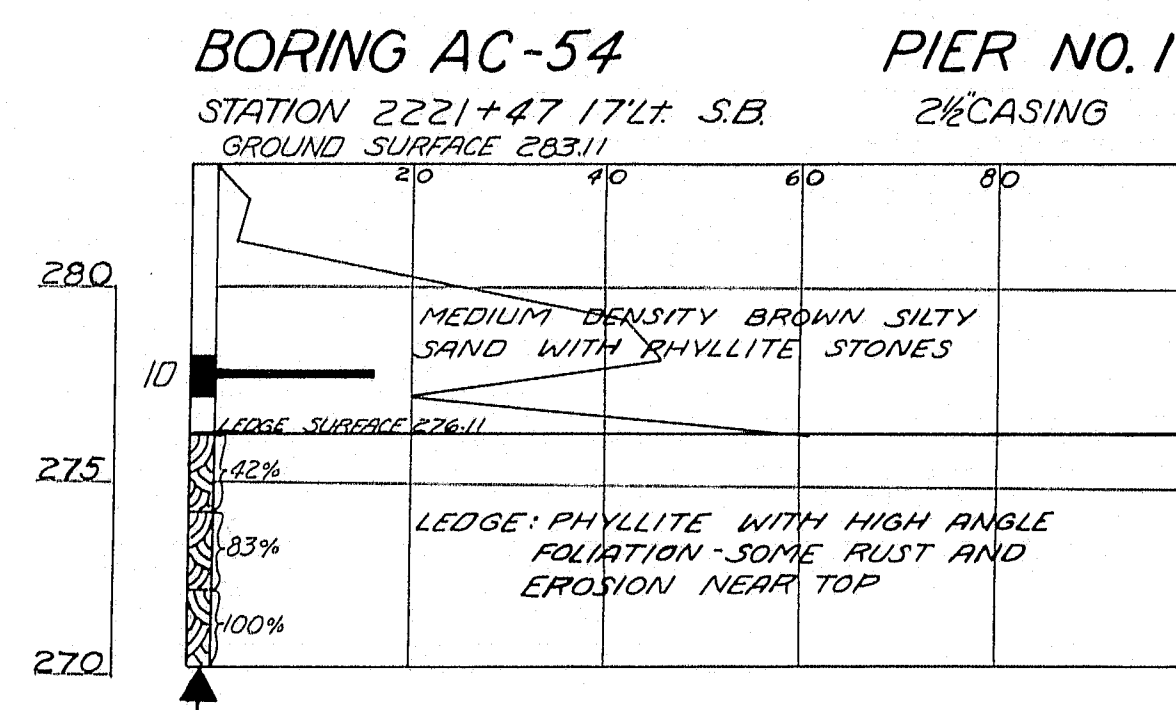
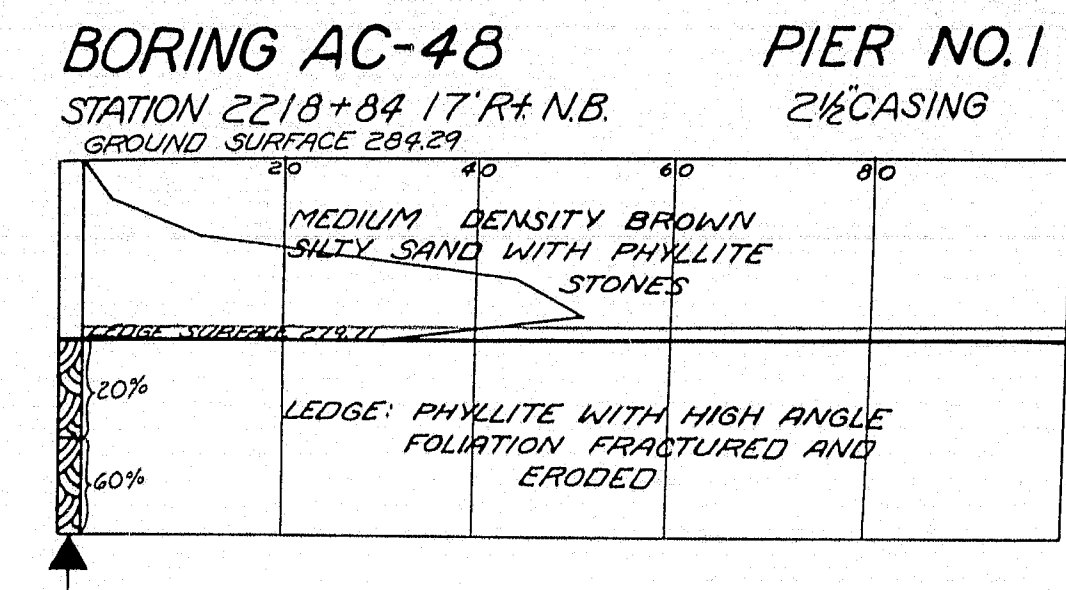
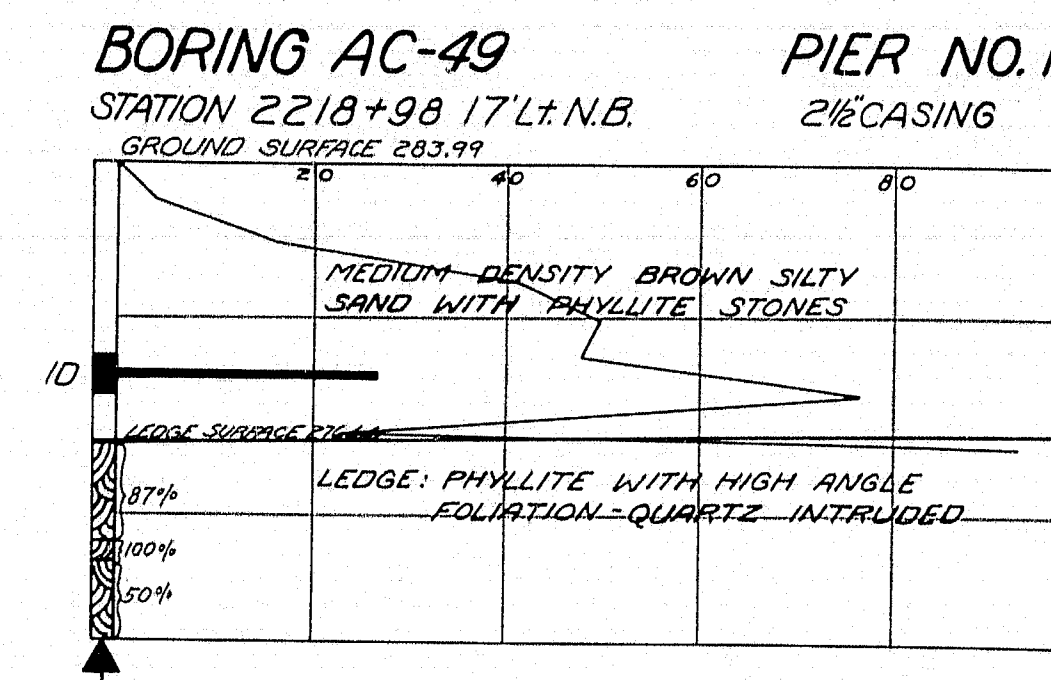
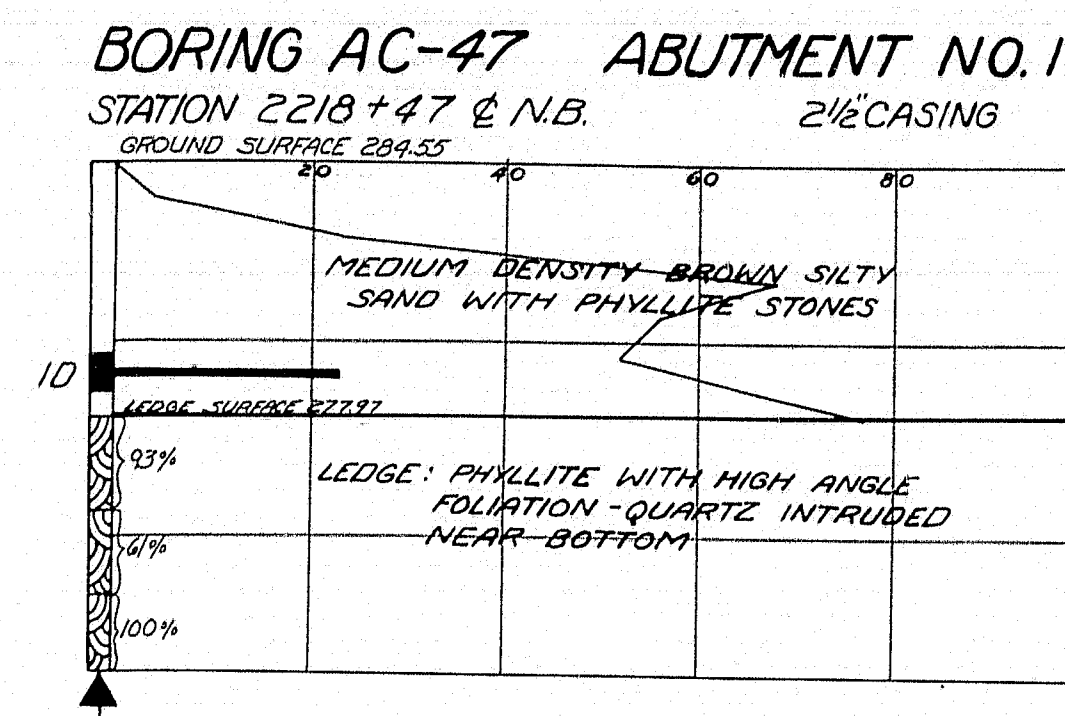
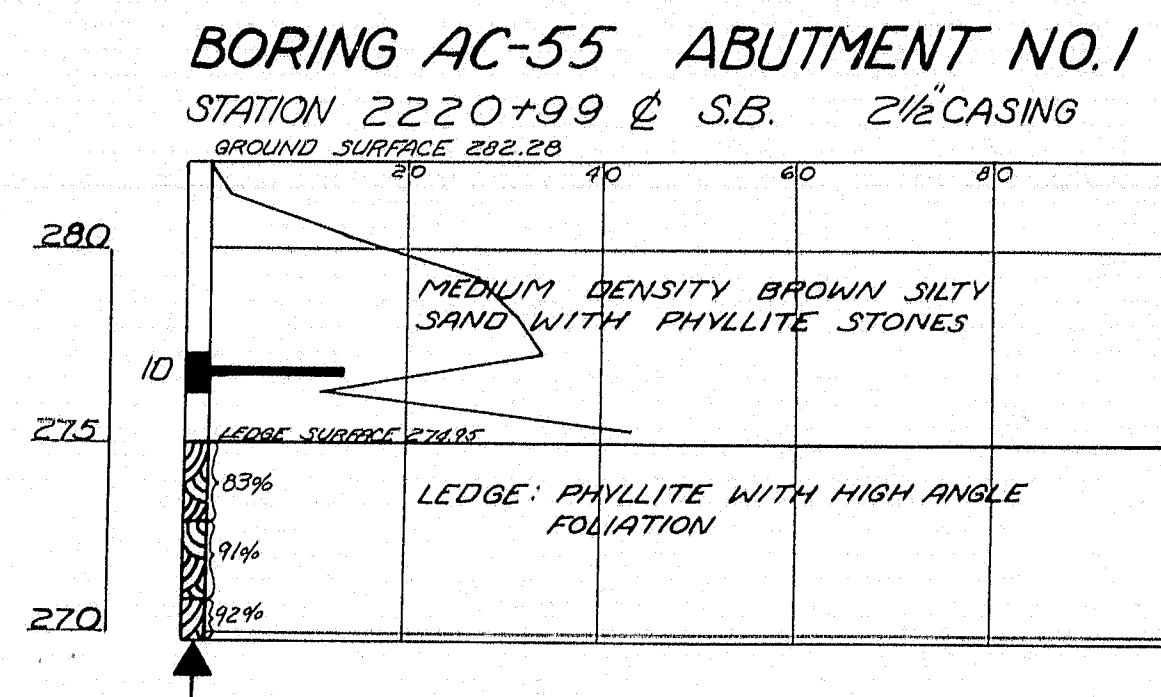
ABUTMENT NO. 2



SCALE VERTICAL 1"=5'
HORIZONTAL 1"=20'

DESIGN-7 TRACE-7 CHECK-7	SOILS LAB.	BRIDGE NO. SURVEY- PLOT-
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
INTERSTATE 95 OVER NORTH MAIN STREET IN THE TOWN OF PITTSFIELD SOMERSET COUNTY FOUNDATION SURVEY		
SHEET 3 OF 19 AUGUSTA, MAINE, MARCH 1963		



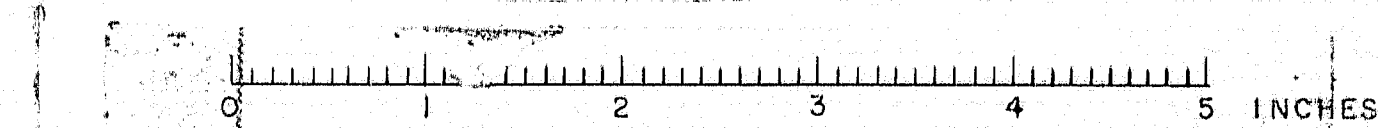


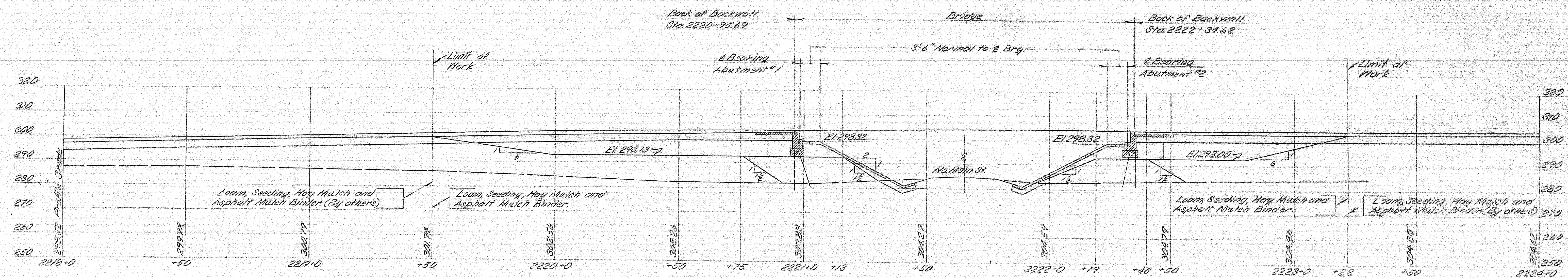
BORING NOTES

- ALL SAMPLES AND VANES ARE MADE AHEAD OF CASING
- NUMBER OF BLOWS REQUIRED TO DRIVE EXTRA HEAVY CASING ONE FOOT WITH 400 FT. LBS. OF ENERGY PER BLOW
- LOCATION OF SAMPLE OR SAMPLE ATTEMPT
- NUMBER AND TYPE OF DRY SAMPLE S&H SAMPLER #1290'S
- NUMBER OF BLOWS REQUIRED TO DRIVE SPOON OR TUBING ONE FOOT WITH 350 FT. LBS. OF ENERGY PER BLOW
- BOTTOM OF BORING (MAY NOT BE BOTTOM OF SOIL STRATA)
- LOCATIONS CORED BY DIAMOND BIT AND PER CENT RECOVERY OF ROCK

DRIVING RESISTANCE
BLOWS / FOOT

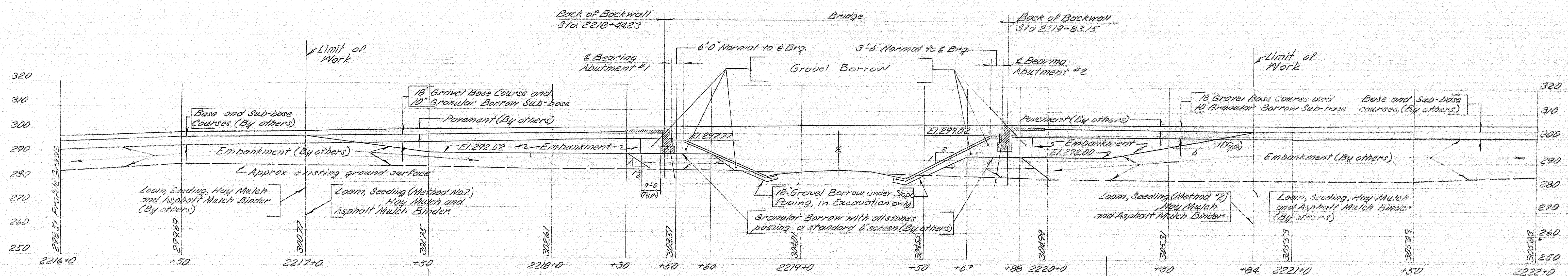
DESIGN - 7	BRIDGE NO.
TRACE - 7	SURVEY -
CHECK - 3	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95 OVER NORTH MAIN STREET IN THE TOWN OF PITTSFIELD SOMERSET COUNTY FOUNDATION - SURVEY	
SHEET 4 OF 19 AUGUSTA, MAINE MARCH 1963	





SECTION ALONG E INTERSTATE SB

All notes on NB section apply to this section except as noted.



SECTION ALONG E INTERSTATE NB

NOTES

See General Plan for ultimate location of berm lines, guard rails and pavement.

Before piers are driven, Granular Borrow and Gravel Borrow shall be placed and compacted to elevation of bottom of footing or abutments.

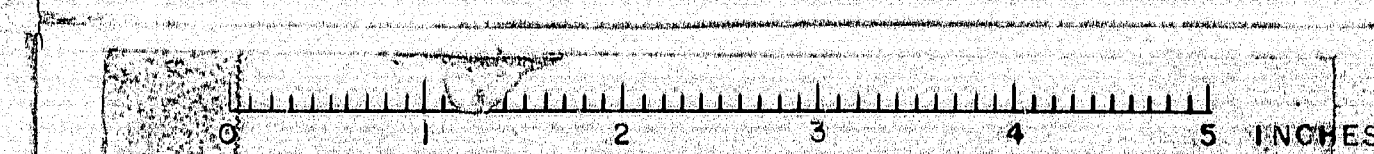
The controlled density method shall be used for placing embankment, granular, and Gravel Borrow under this contract.

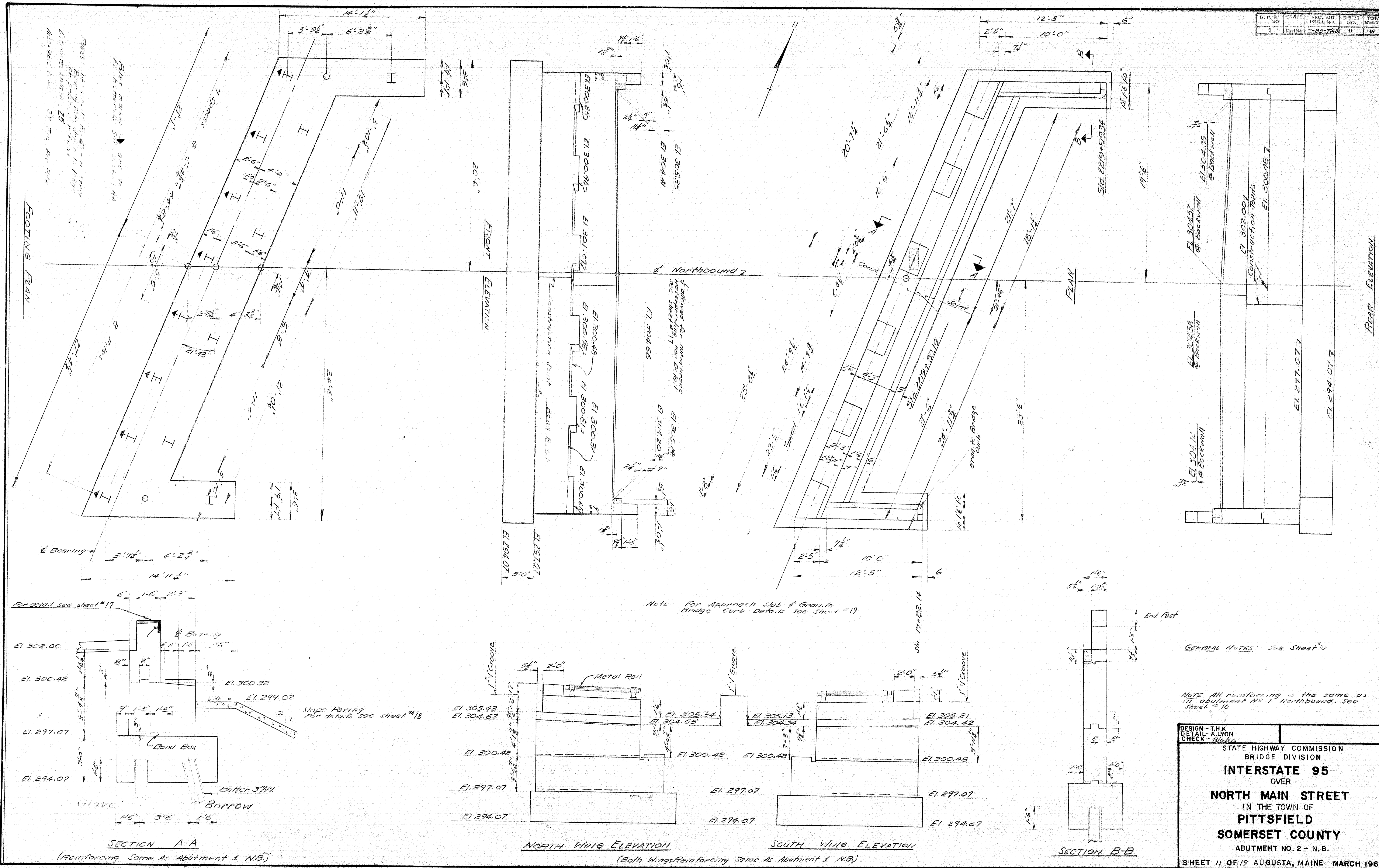
The 18" gravel Borrow under Slope Paving may be reduced or omitted, if in the opinion of the Engineer, the existing material is suitable.

Payments for excavation for Gravel Borrow under Slope Paving to be made under Item 204-18, Structural Earth Excavation, Piers.

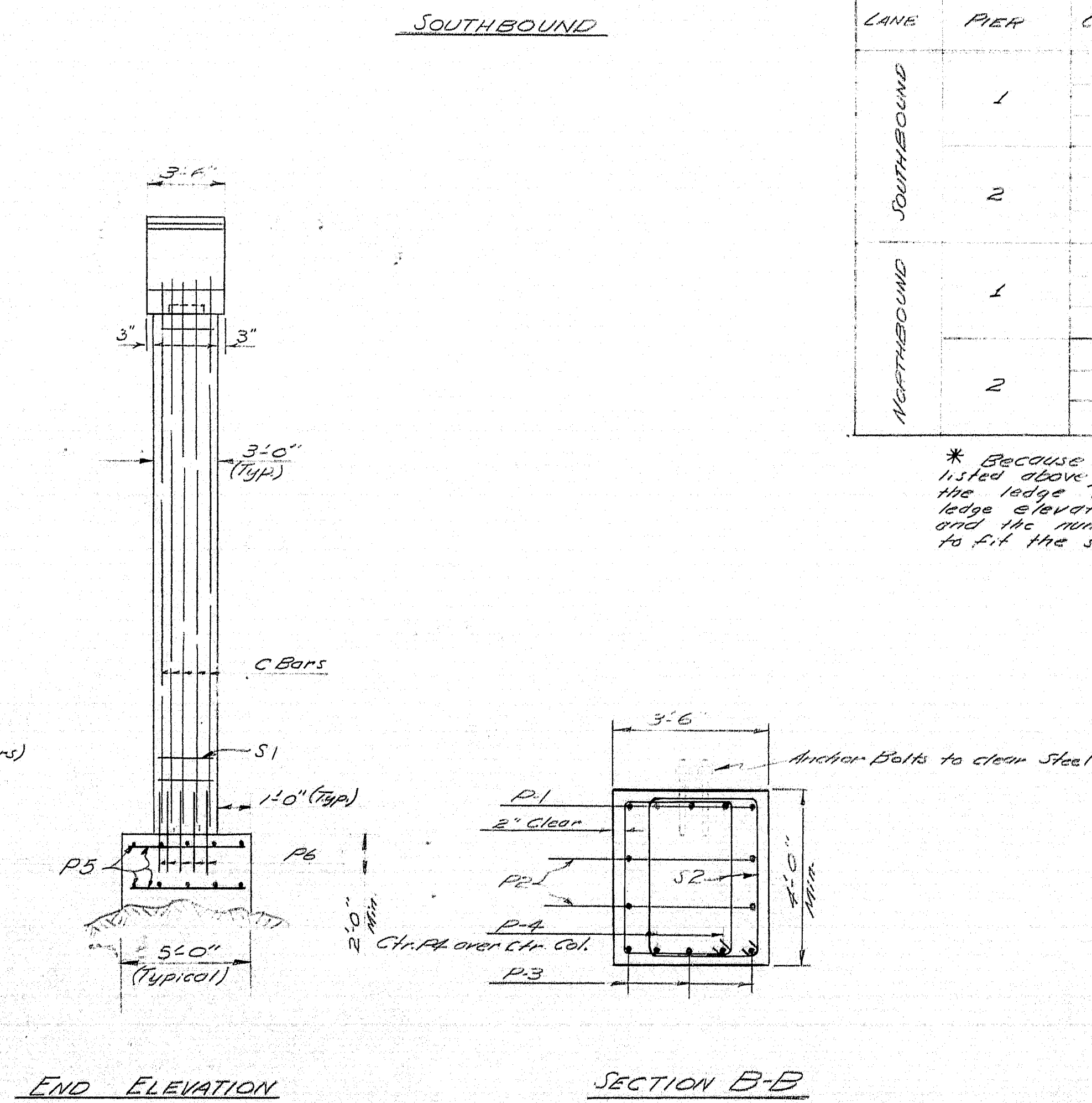
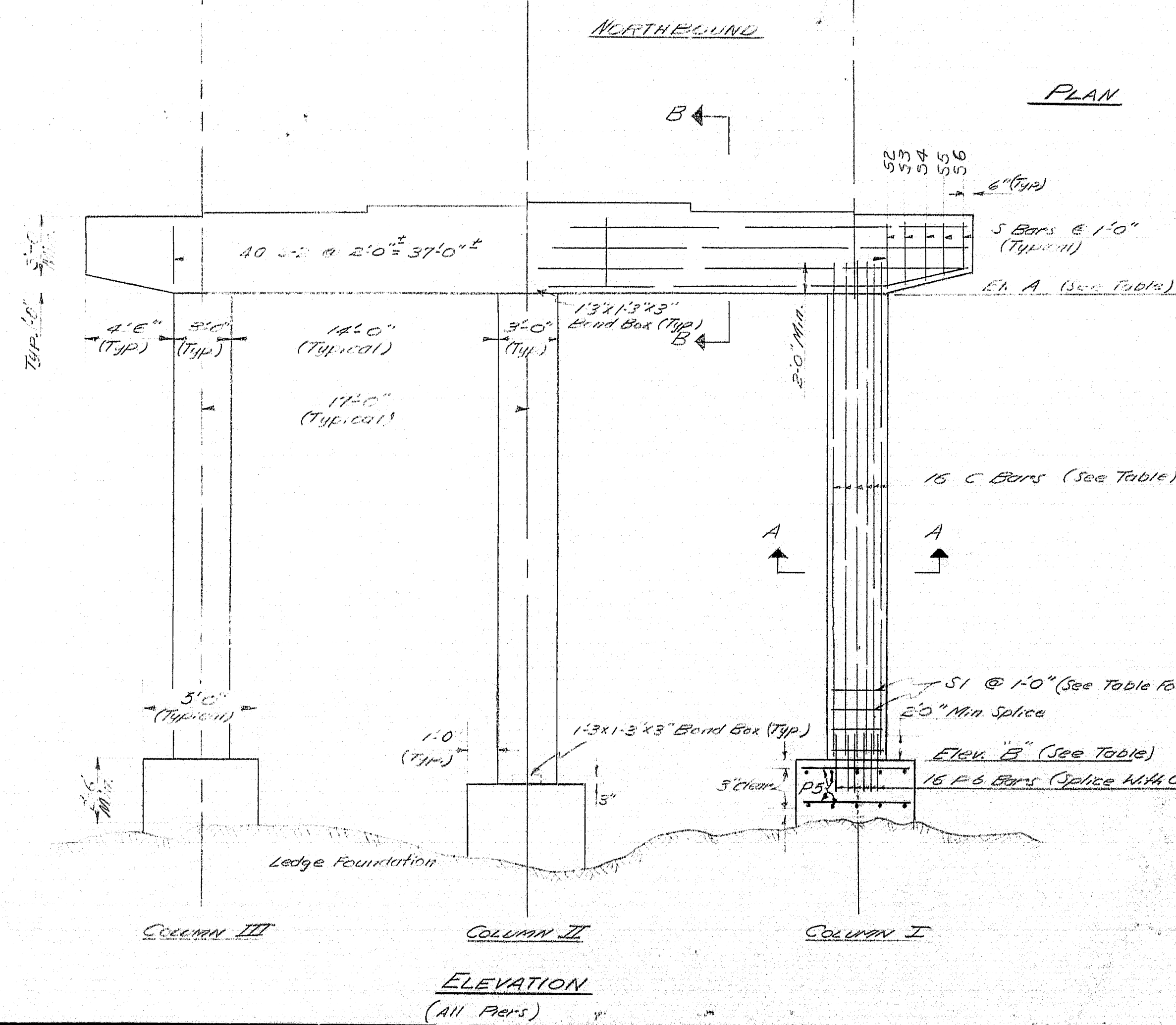
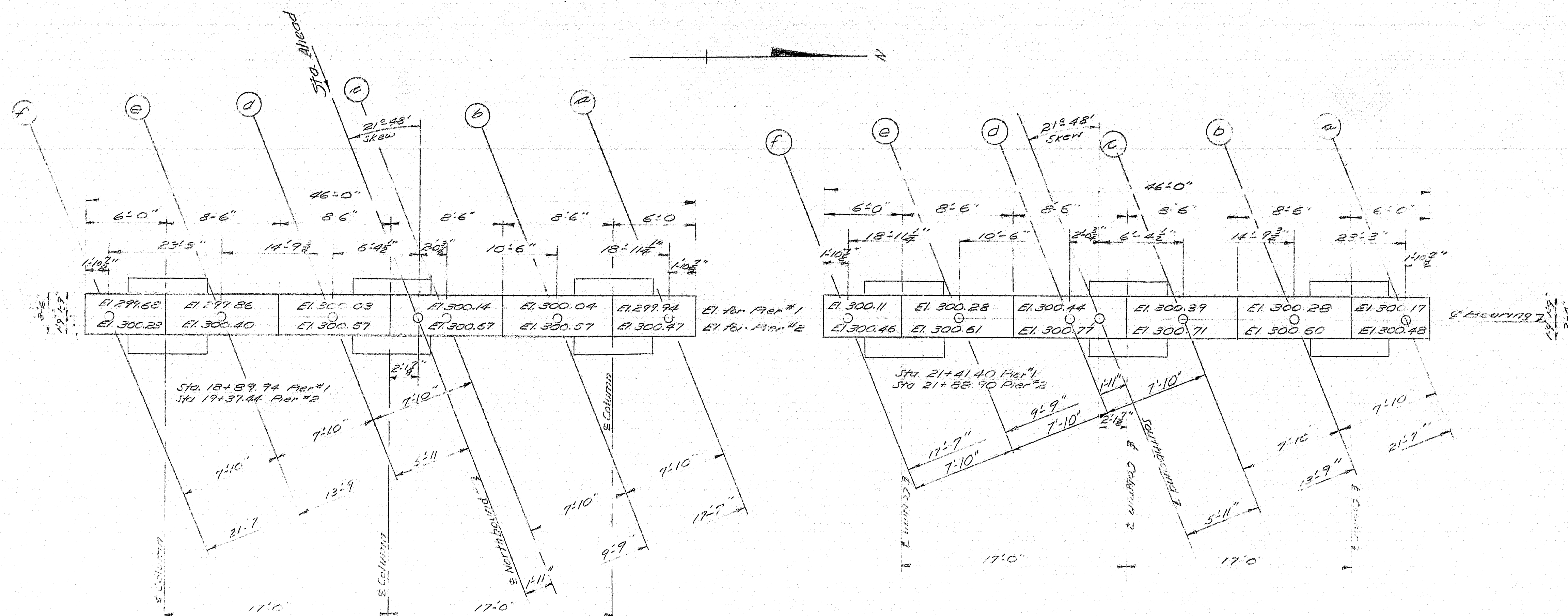
Guard rails to line up with inside face of concrete and posts on bridge.

DESIGN - T.H.K.	BRIDGE NO.
TRACE - CHACE	SURVEY -
CHECK - B. G. K.	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
INTERSTATE 95	
OVER	
NORTH MAIN STREET	
IN THE TOWN OF	
PITTSFIELD	
SOMERSET COUNTY	
PROFILES - ROADWAY WORK	
SHEET 5 OF 19 AUGUSTA, MAINE MARCH 1963	





GENERAL NOTES:
 All weathered and/or broken ledge to be removed before any footing concrete is placed.
 Dress bearing areas 1' larger, all around, than masonry piers, and to exact elevations shown. Caulk around edges of masonry piers with an approved caulking material. Payment to be incidental to contract items.
 If sound ledge is encountered and excessive rock excavation would be required to obtain a 2'-6" minimum depth of footing, the elevation for the top of any footing may be raised. However, the top of the footing shall not be less than 1'-0" from the surface of the final ground elevation of the pier in question.
 In the case of overbreakage of ledge no payment will be made for rock excavation, concrete and cement of depths more than 6" below the elevation of the bottom of any column footing as previously determined by the Engineer.
 Minimum footing pressure = 14 tons / sq. ft.
 Reinforcing steel to have 2' Min. cover unless otherwise shown.



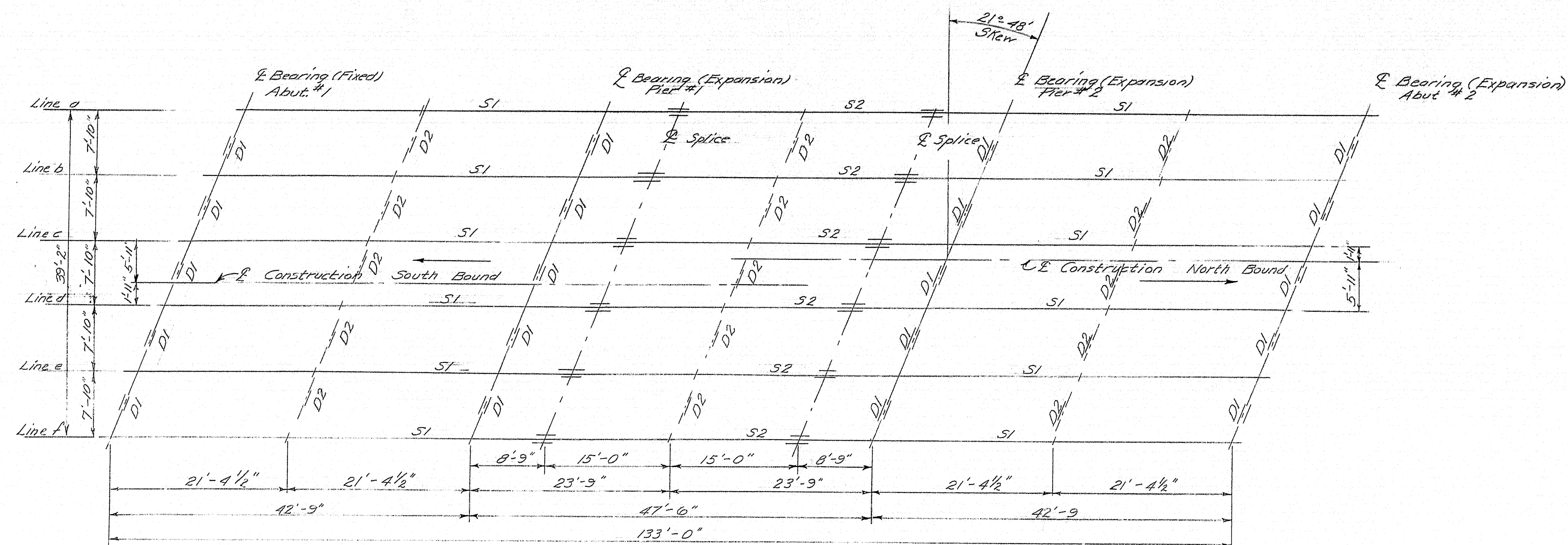
TABLE

LANE	PIER	COLUMN	ELEV. A	ELEV. B	* APPROXIMATE C BAR LENG. * ELEVATION	NUMBER OF SI BARS *
SOUTHBOUND	1	I	276.11	278.0	275.0	18
		II	276.11	278.0	275.0	18
		III	276.11	278.0	275.0	18
SOUTHBOUND	2	I	276.46	281.0	278.0	16
		II	276.46	281.0	278.0	16
		III	276.46	281.0	278.0	16
NORTHBOUND	1	I	275.68	279.5	276.5	16
		II	275.68	279.5	276.5	16
		III	275.68	279.5	276.5	16
NORTHBOUND	2	I	276.23	280.0	277.0	16
		II	276.23	280.0	277.0	16
		III	276.23	280.0	277.0	16

* Because the ledge elevations may vary from those elevations listed above, C Bars and SI Bars are not to be ordered until the ledge is exposed by structural excavation and a definite ledge elevation is established. Then 16 C Bars, 6 Bar lengths and the number of SI Bars are to be ordered by the Engineer to fit the situation.

DESIGN: KHS
 CHECK: BLS

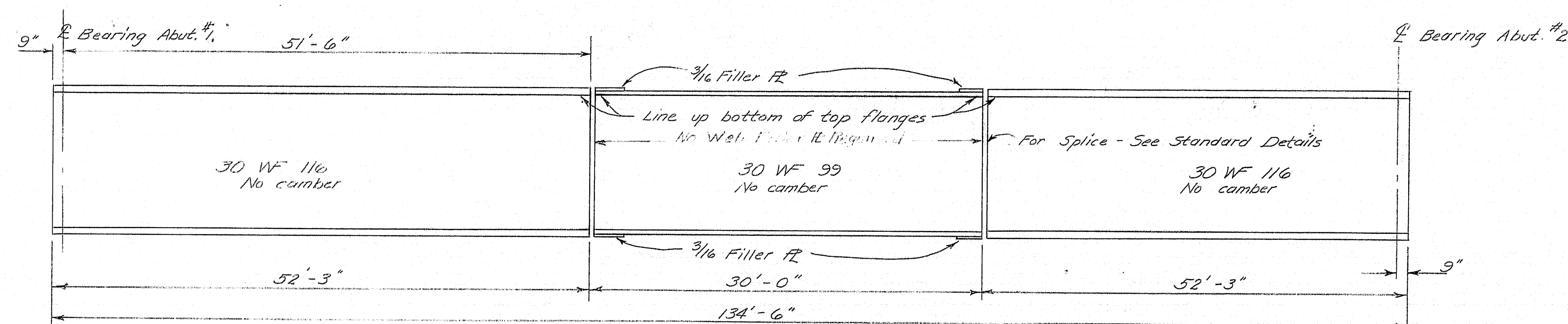
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
INTERSTATE 95
 OVER
NORTH MAIN STREET
 IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
 PIERS, NORTHBOUND AND SOUTHBOUND
 SHEET 14 OF 19 AUGUSTA, MAINE MARCH 1963



ERECTION DIAGRAM

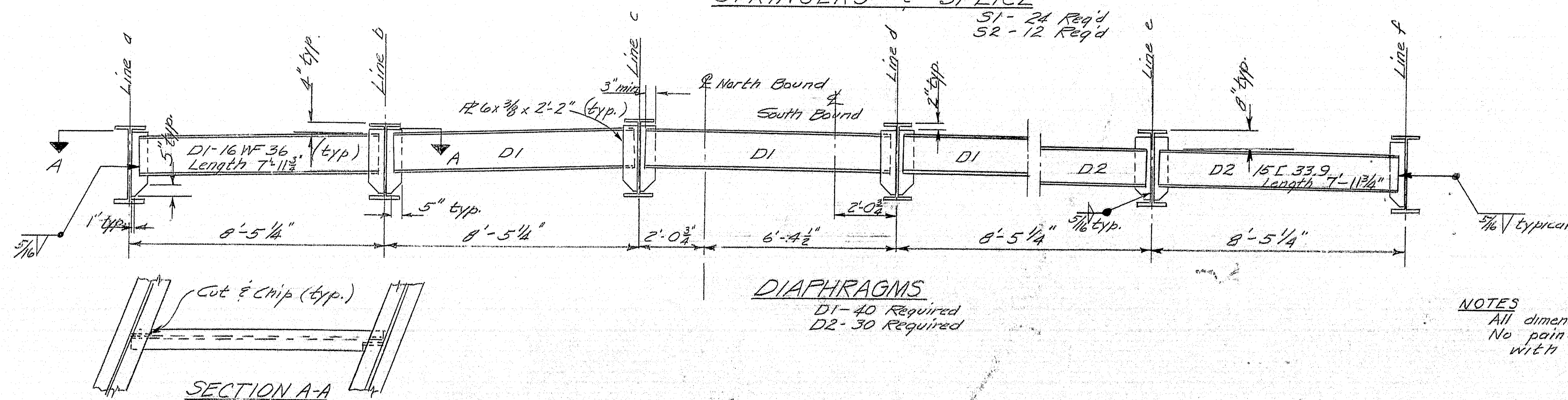
Note: For stringer grades see sheet #16. These grades are to be used to determine the levels of the stringer ends at the splices.

For Pedestals - See Standard Details
Bearing Pedestals
12 FPA Required @ Abut #1
36 FPA Required @ Pier #1, Pier #2 & Abut #2



STRINGERS & SPLICE

51'-24 Reg'd
52'-12 Reg'd

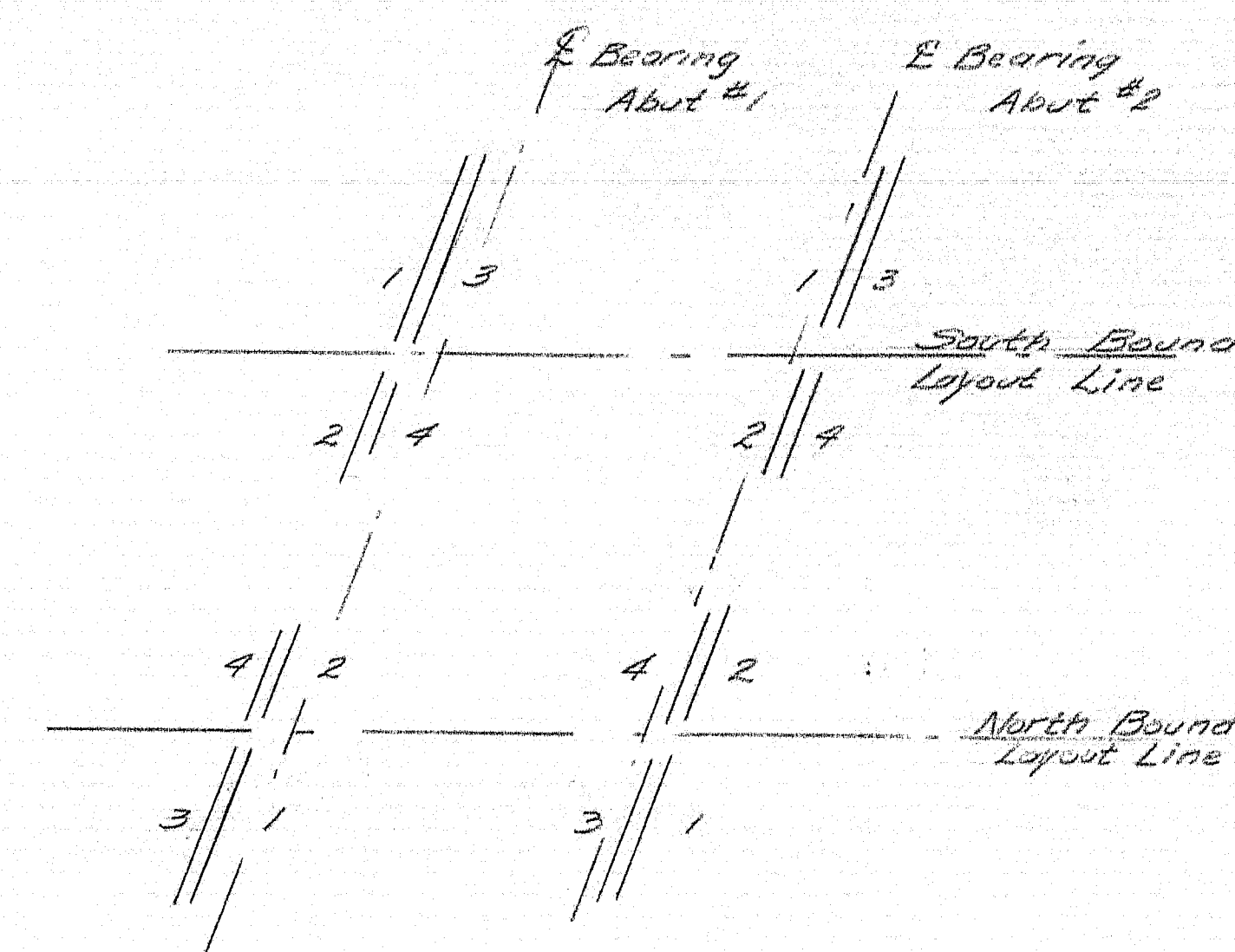


DIAPHRAGMS

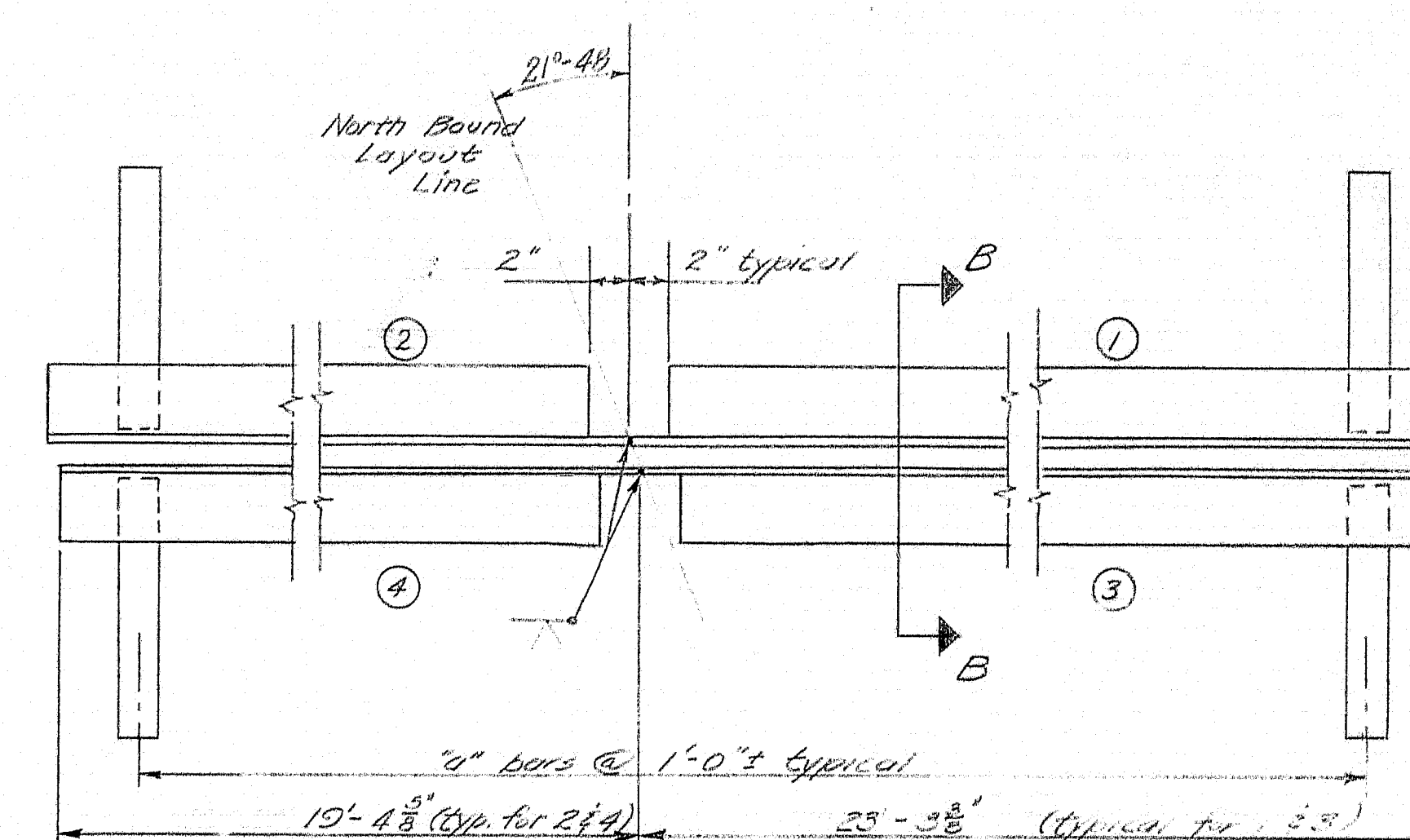
D1-40 Required
D2-30 Required

NOTES

All dimensions are horizontal.
No point where concrete is in contact with steel.



LOCATION OF ARMORED JOINTS

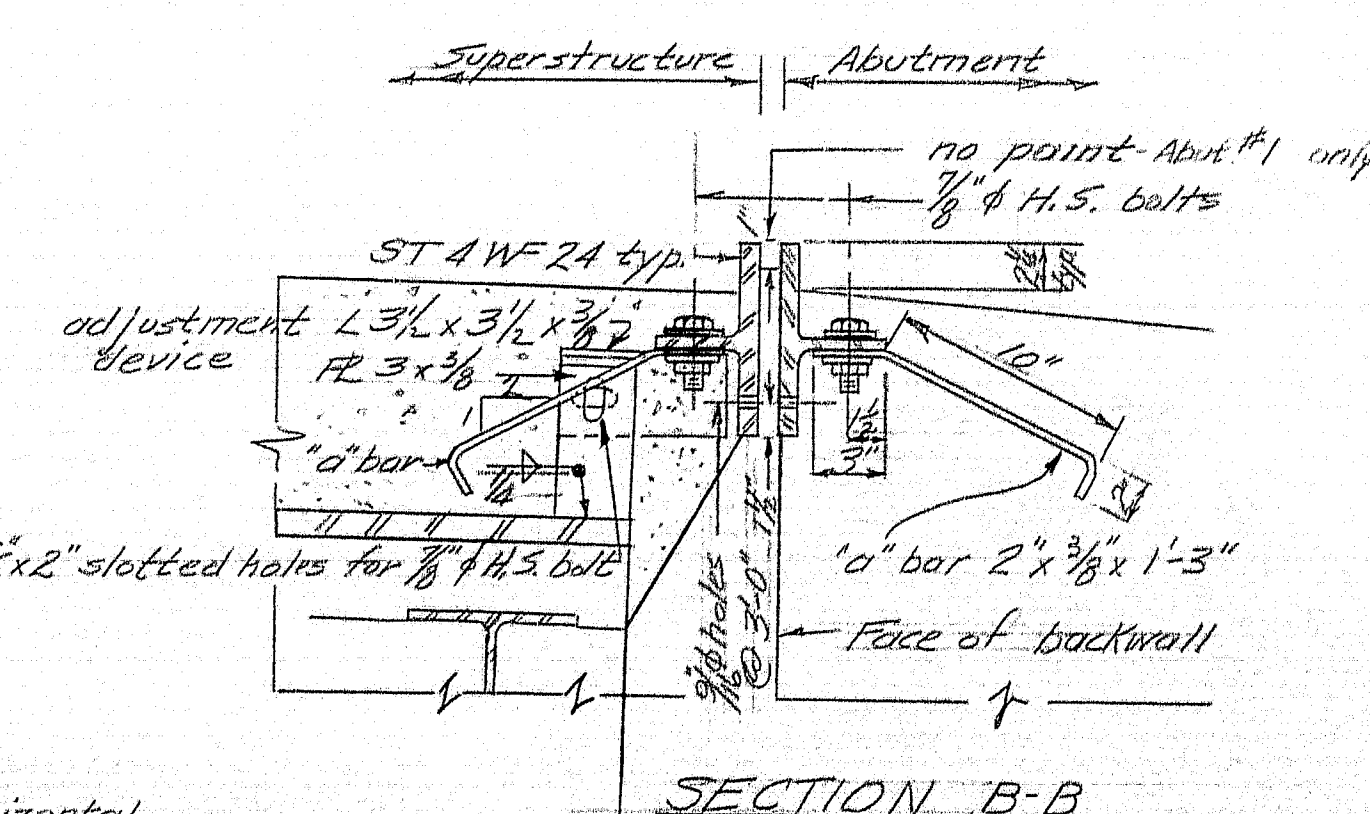


ARMORED JOINT

See "Location of Armored Joints" for South Bound Lane

SPECIFICATIONS

Foundation & Erection: State of Maine, Standard Specifications, Highways & Bridges, Revision of Jan. 1956, and Supplements. Design and Detail: AASHTO Standard Specifications of 1961, and revisions. Materials: Stringers & splice plates shall conform to A.S.T.M. designation A-36. Other members shall conform to A.S.T.M. designation A7 or A36.



SECTION B-B

DESIGN - T.H.K.
DETAIL - PAUL
CHECK - 12/66

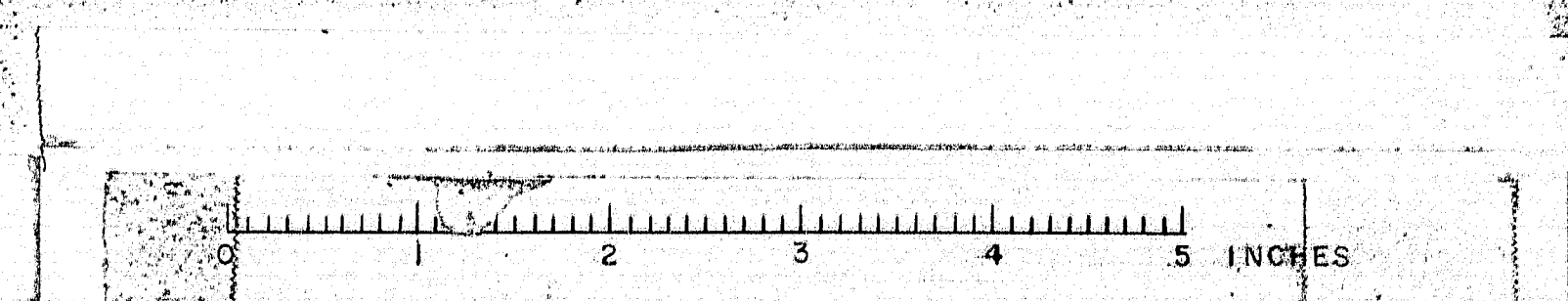
BRIDGE NO. _____

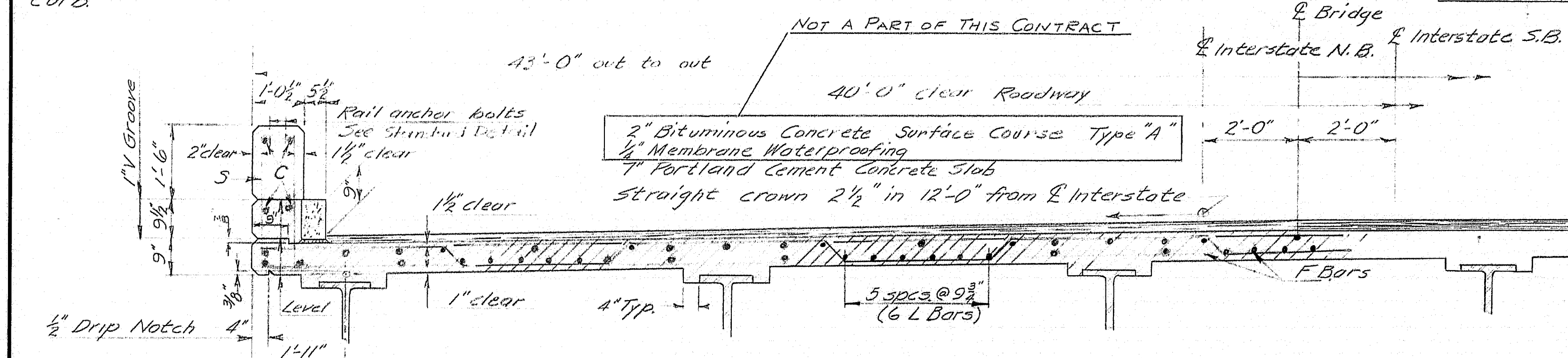
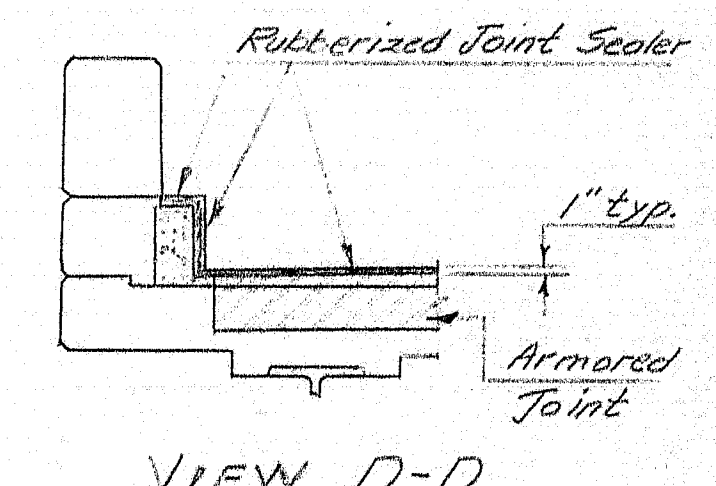
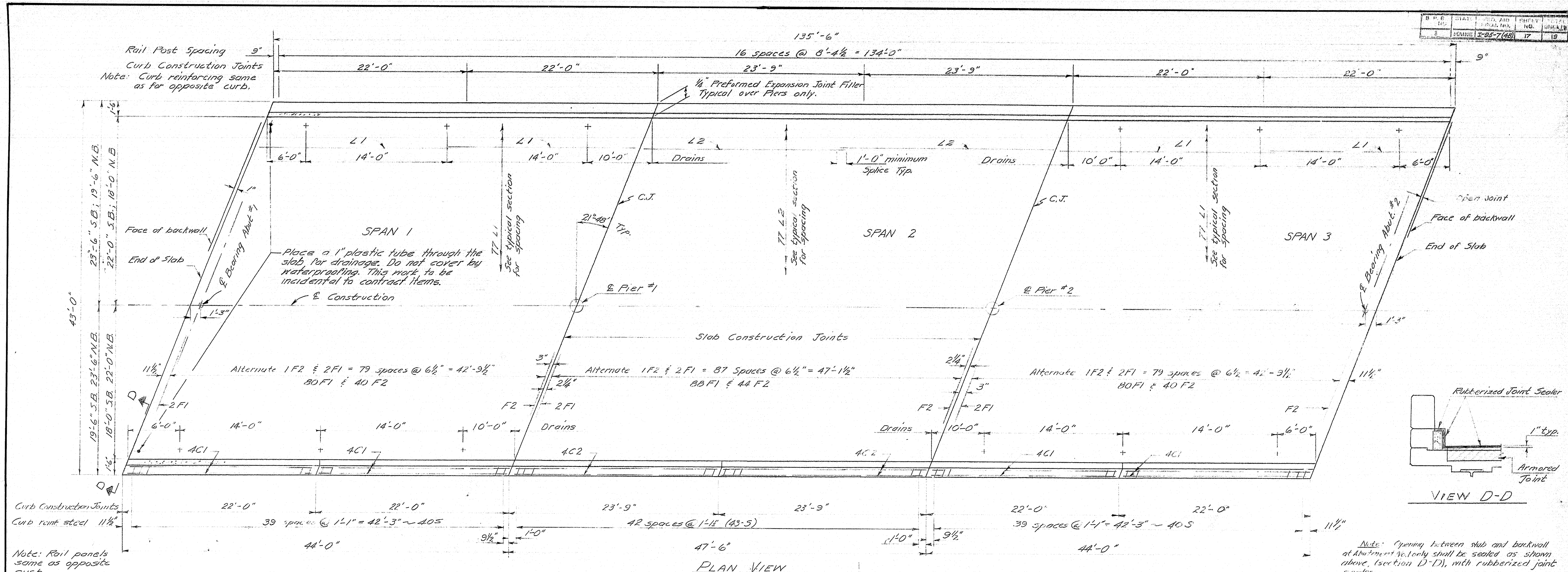
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

INTERSTATE 95
OVER
NORTH MAIN STREET
IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
STRUCTURAL STEEL

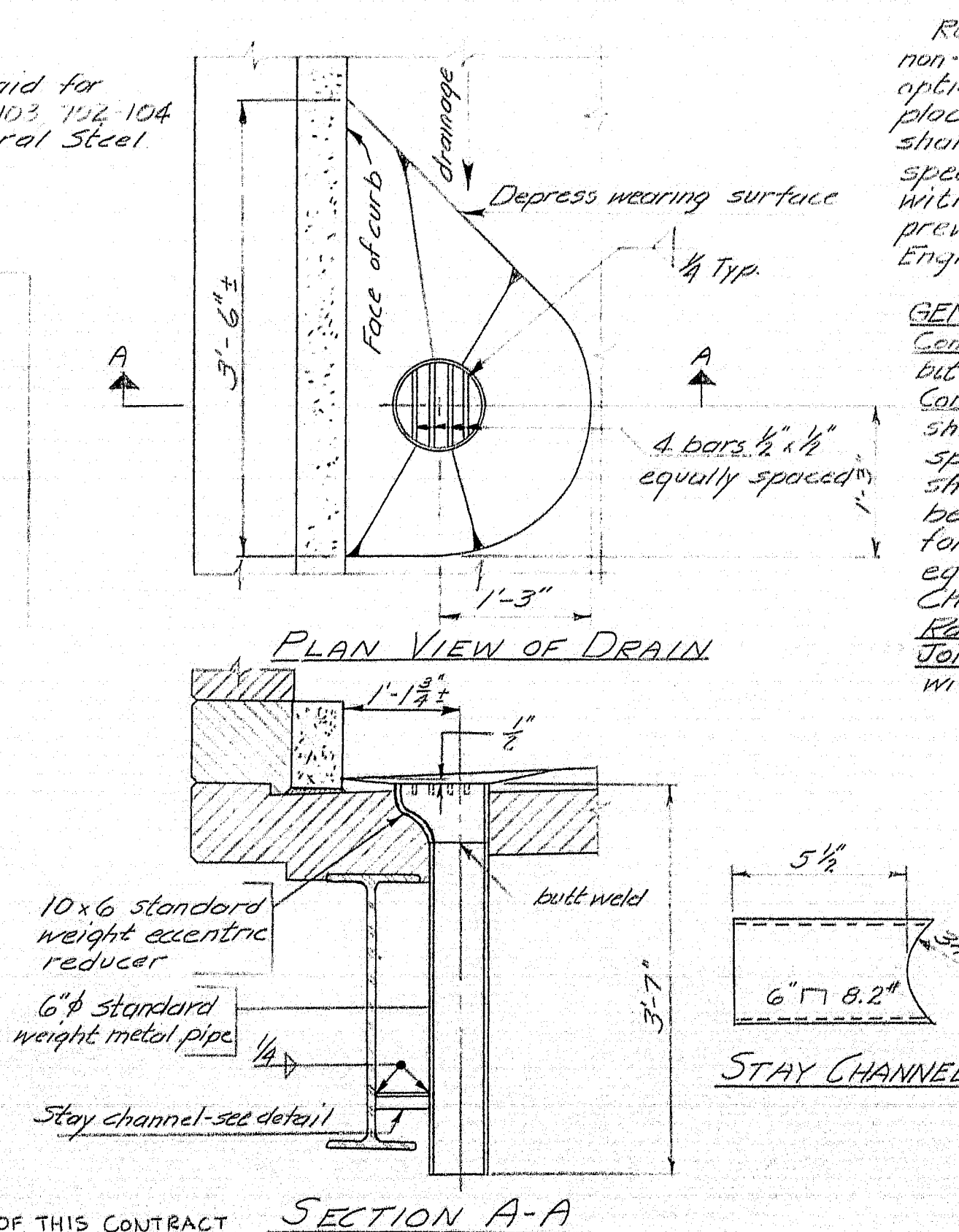
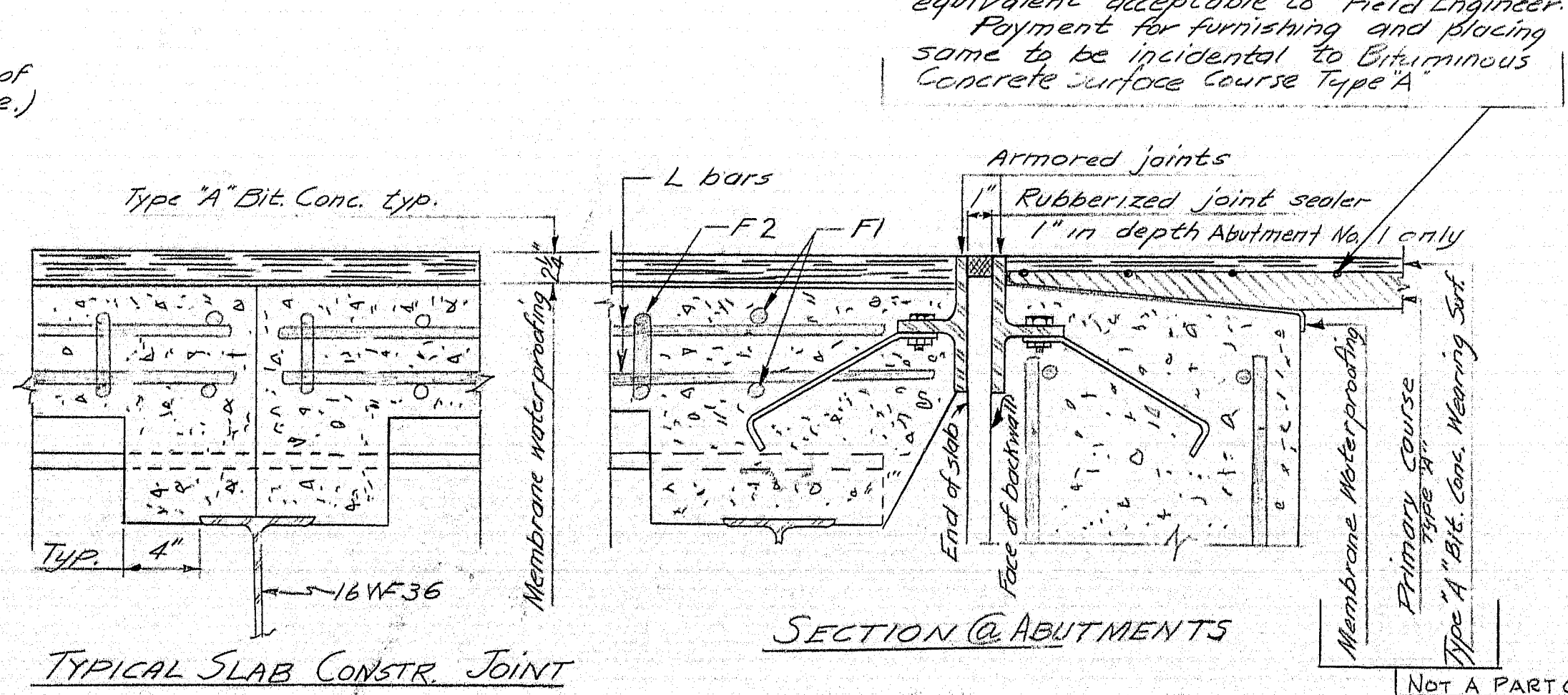
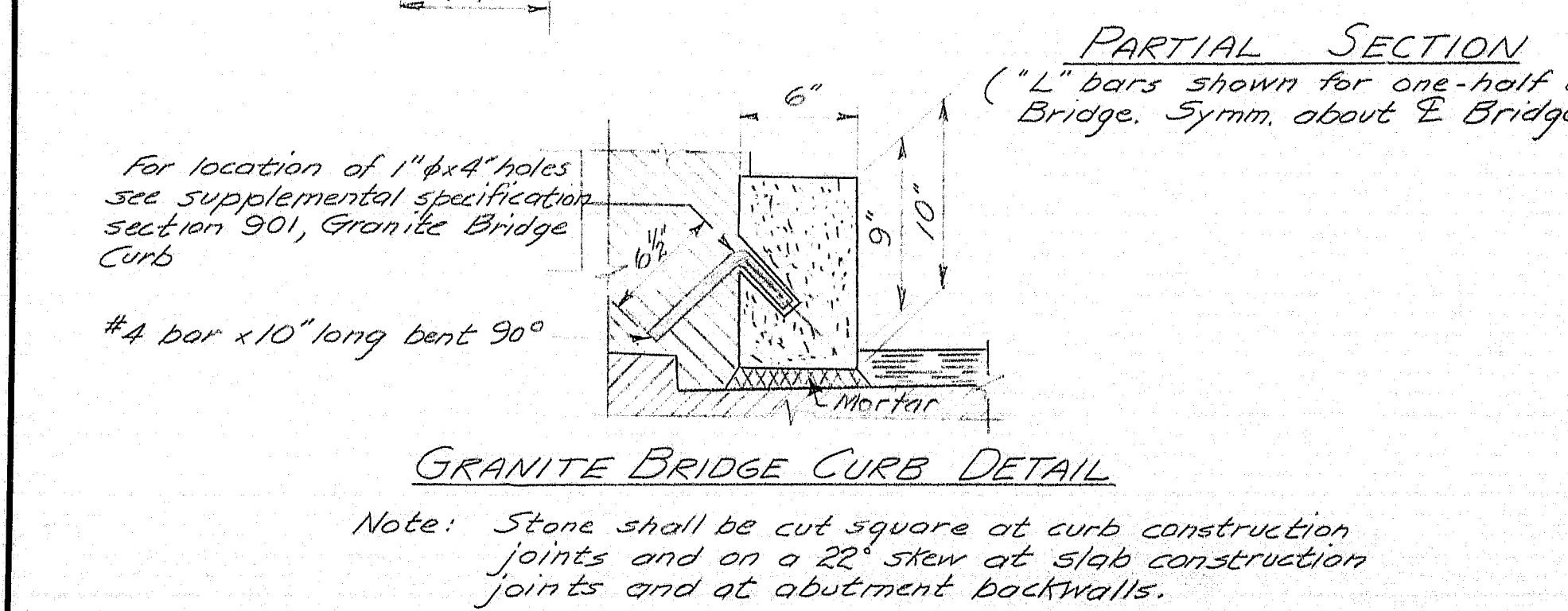
SHEET 15 OF 19 AUGUSTA, MAINE MARCH 1963

86-196





Note: Drains shall be paid for under Items 702-103, 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.



GENERAL NOTES

Contractor shall be responsible for the placement of concrete. The placing of concrete shall be regulated so that the middle of a span is placed first. Concrete for curbs shall not be placed until slab concrete has been in place 7 days. During the 7 days forms may be constructed, but only hand equipment will be allowed in the slab. Chamber all exposed concrete edges 1/2".

JOINTS - Break bond at all construction joints with a coat of heavy asphalt paint.

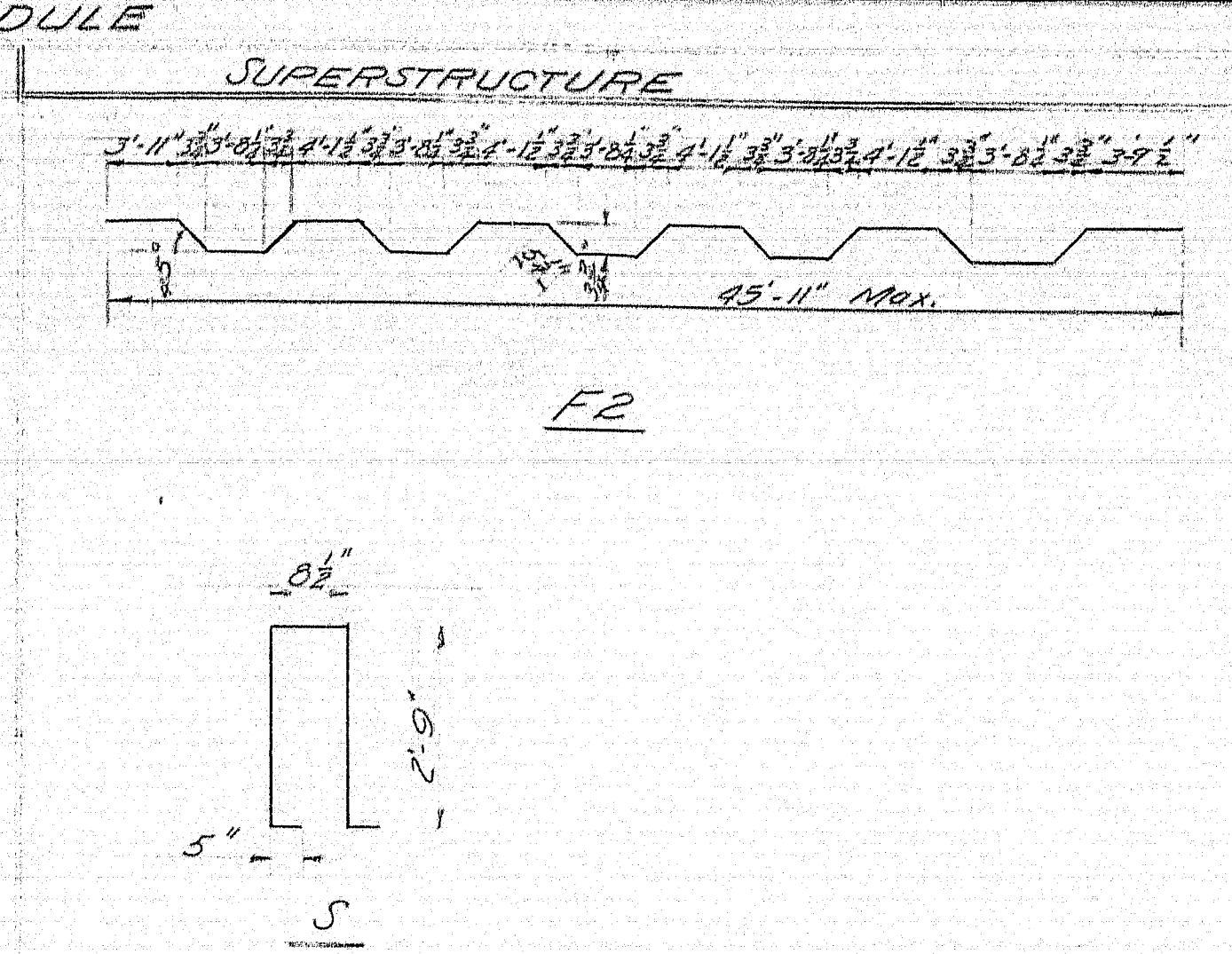
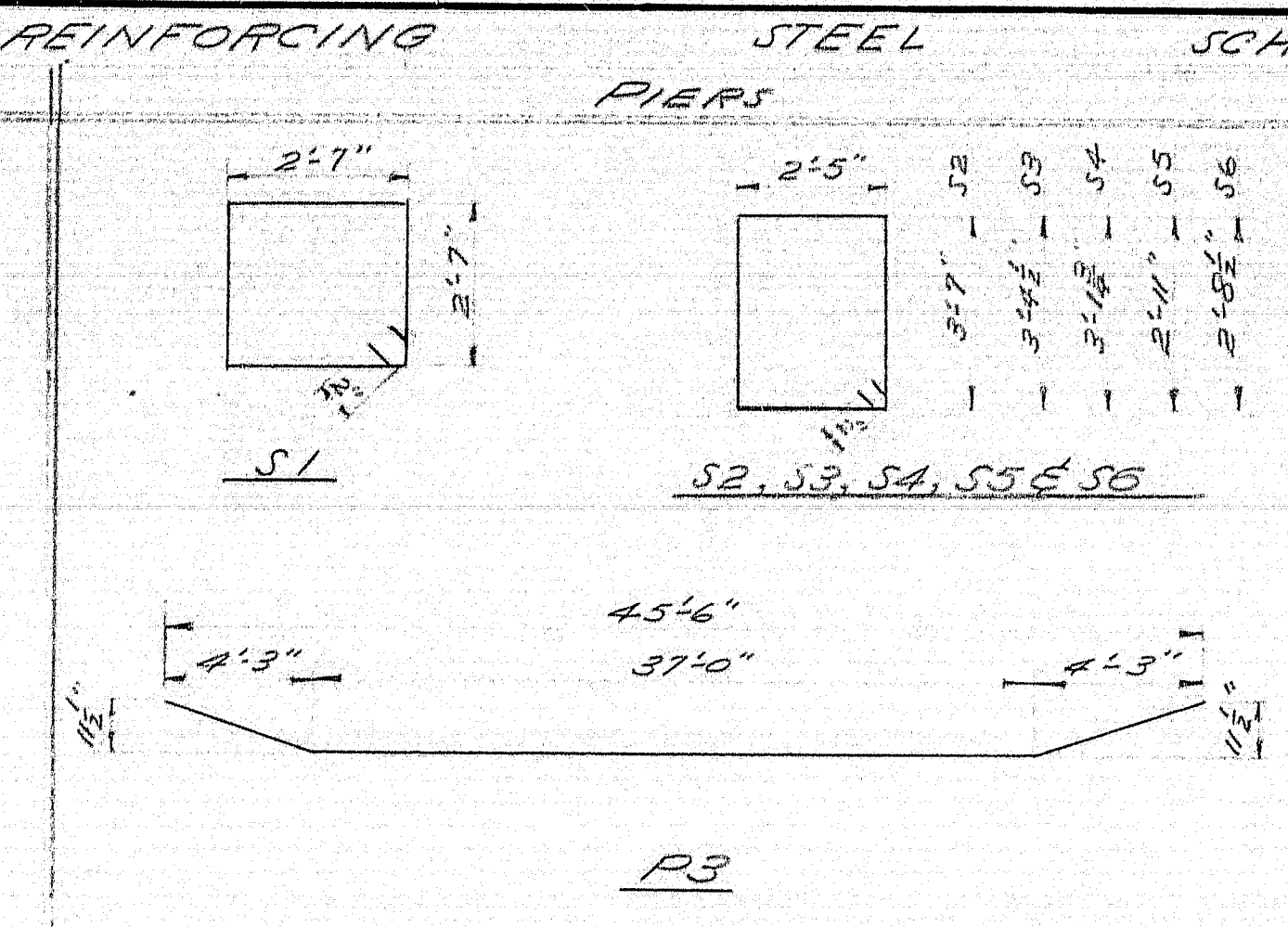
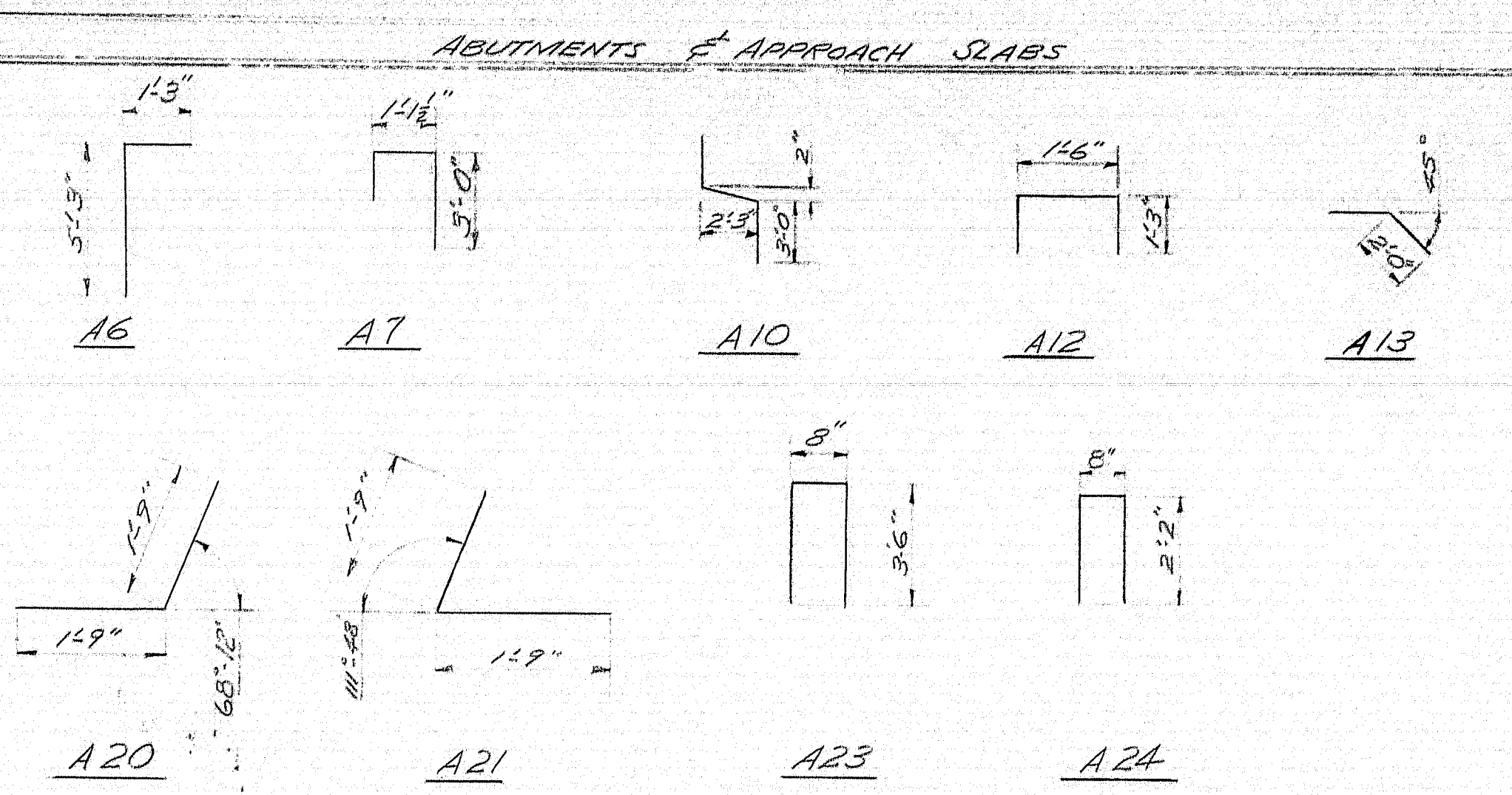
DESIGN: T.H.K., DET. H.F.
CHECK: B.G.M.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

INTERSTATE 95
OVER
NORTH MAIN STREET
IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
SUPERSTRUCTURE

SHEET 17 OF 19 AUGUSTA, MAINE MARCH 1963

B.P.R. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-748	19	19



Bar	Size	Number	Length	Location
A6	#5	176	6'6"	Bridge Seats
A7	5	111	5'9"	Back walls
A10	5	116	7'0"	Bridge Seat
A12	5	72	4'0"	Bearing Areas
A13	5	112	3'0"	Approach Slab
A20	6	32	3'6"	South Wing
A21	6	36	3'6"	North Wing
A23	4	80	7'5"	Wings
A24	#4	24	5'0"	End Posts

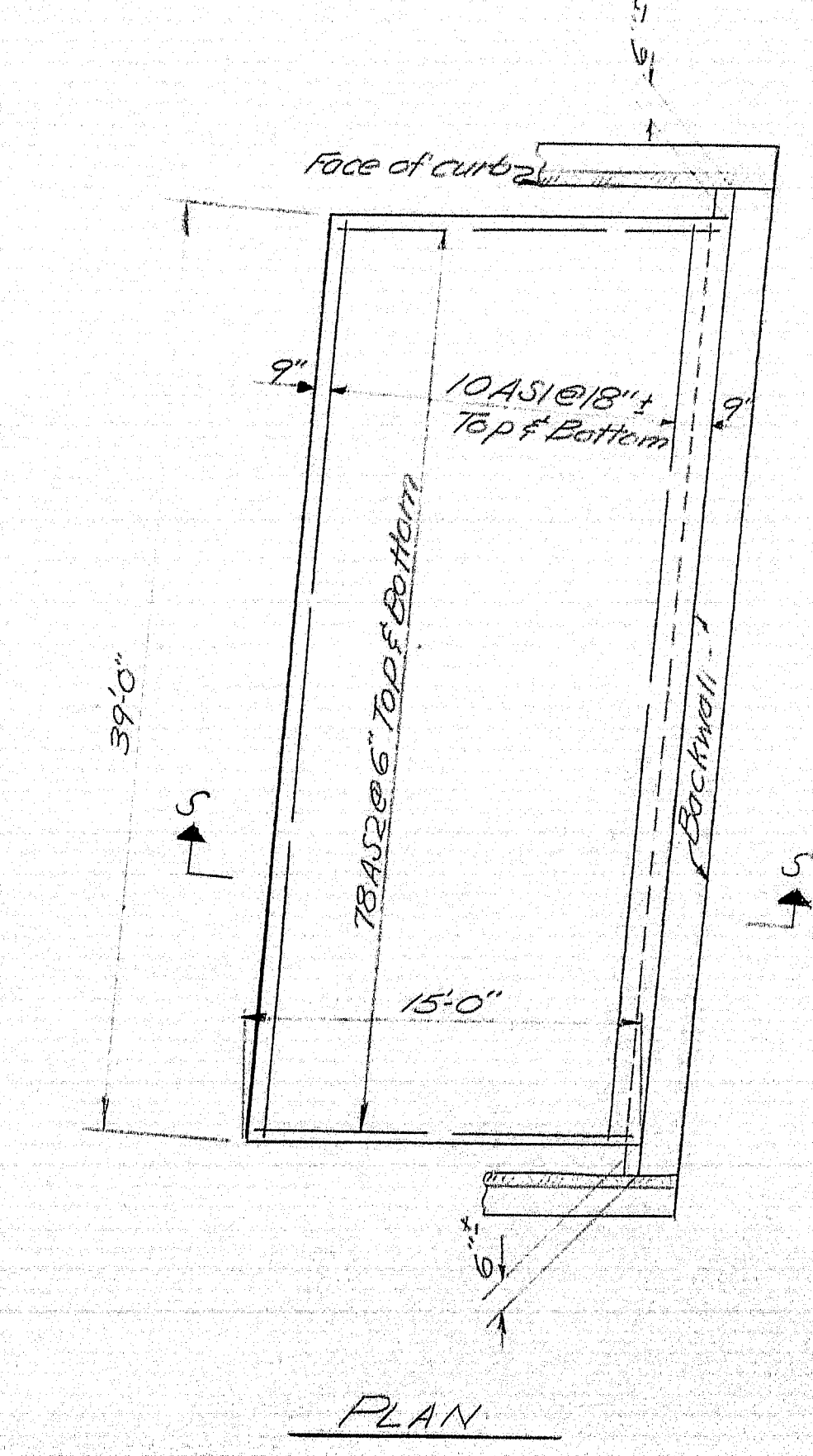
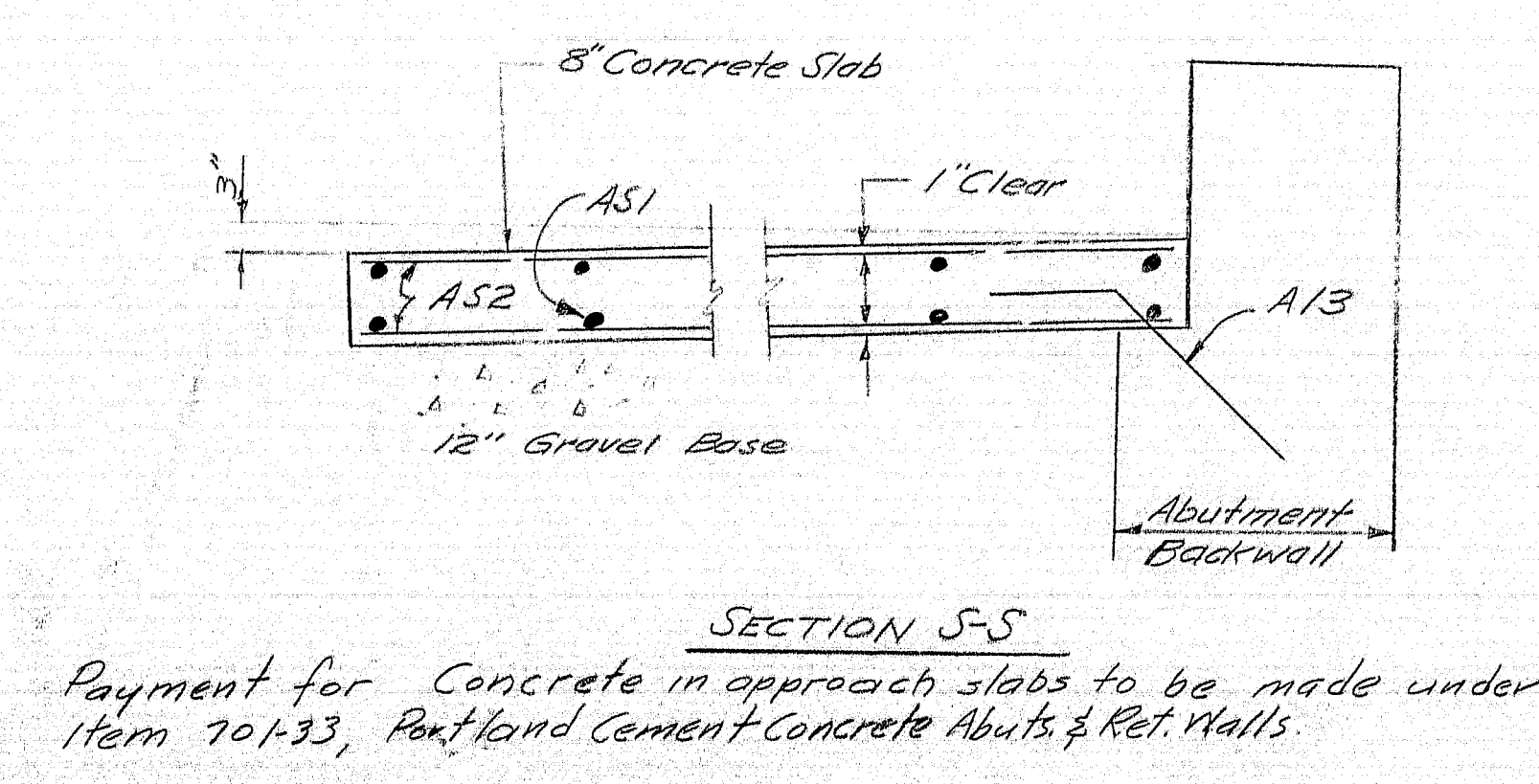
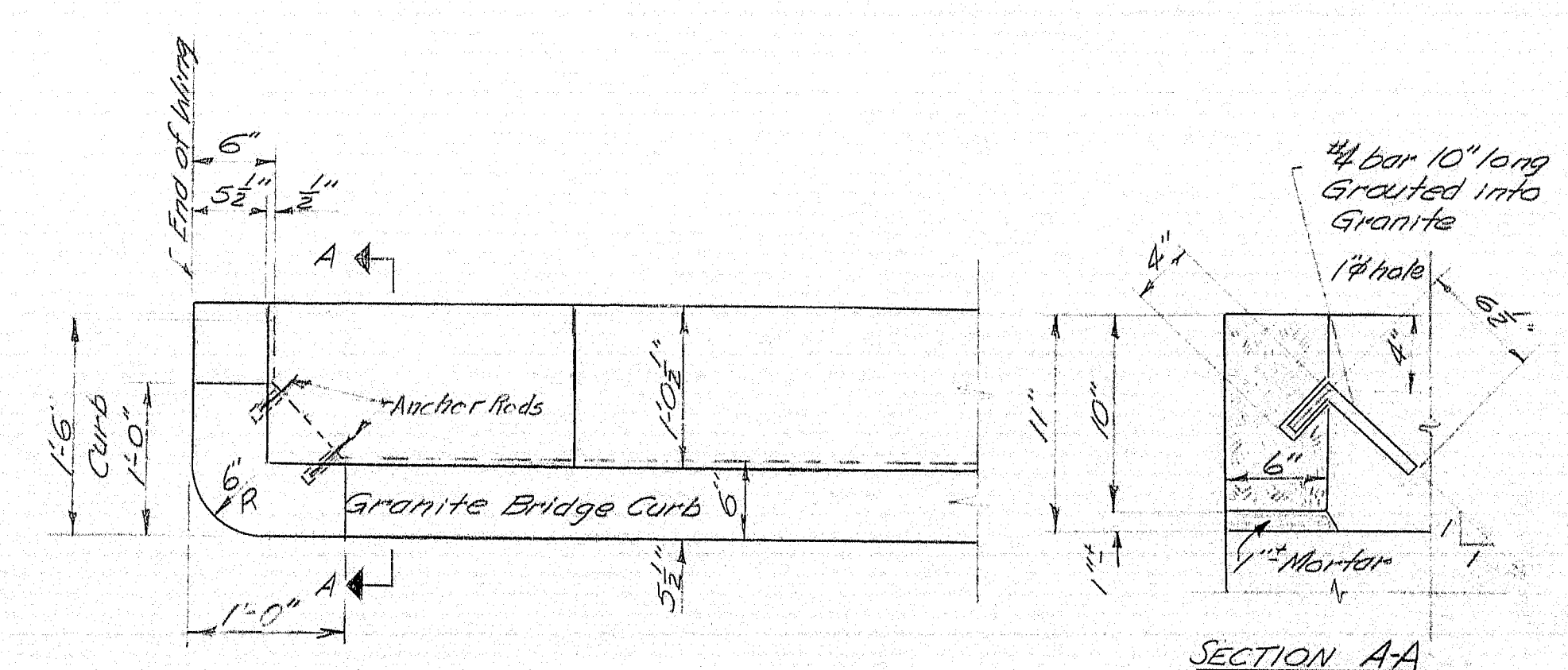
Bar	Size	Number	Length	Location
A1	#6	112	24'9"	Footings
A2	6	336	6'0"	Footings
A3	6	64	13'9"	Footings
A4	6	120	3'0"	Footings
A5	5	372	3'0"	Footings to Br. Seat
A8	4	48	25'6"	Br. Seat & Bk. Wall
A9	4	48	21'0"	Br. Seat & Bk. Wall
A11	5	72	2'5"	Bearing Areas
A14	5	80	5'2"	Wings
A15	5	160	3'6"	Wings
A16	6	80	3'0"	Wings
A17	6	80	5'4"	Wings
A18	4	48	9'6"	Wings
A19	6	72	9'6"	Wings
A22	4	32	9'0"	Wings
A25	#4	32	1'8"	End Posts
AS1	4	80	38'6"	Approach Slabs
AS2	6	624	14'6"	Approach Slabs
A26	4	16	9'6"	Wings

Bar	Size	Number	Length	Location
S1	#4	195	10'8"	All Pier Columns
S2	4	160	12'4"	Pier Caps
S3	4	16	11'11"	Pier Caps
S4	4	16	11'6"	Pier Caps
S5	4	16	11'0"	Pier Caps
S6	4	16	10'7"	Pier Caps
P3	#10	12	45'8"	Pier Caps

Bar	Size	Number	Length	Location
P1	#10	20	45'6"	Pier Caps
P2	6	16	45'6"	Pier Caps
P4	10	8	34'0"	Pier Caps
P5	6	240	4'6"	Footings
P6	8	192	4'6"	Dowels - Footings to Columns
C1	8	16	16'6"	N.B. Pier 1
C2	8	96	17'6"	S.B. Pier 2 Col. 1 & 2
C3	8	32	19'0"	N.B. Pier 1 & 2
C4	8	48	20'0"	S.B. Pier 1

Bar	Size	Number	Length	Location
F2	6	545	47'5"	Adwy. Slab
S	4	472	7'0"	Curb Parapets

Bar	Size	Number	Length	Location
C1	#4	64	21'8"	Curb Parapet
C2	4	32	23'5"	Curb Parapet
F1	6	496	45'11"	Adwy. Slab
L1	6	308	22'4"	Adwy. Slab
L2	6	154	24'1"	Adwy. Slab



-Note-

- 1) Reinforcing Steel to be of Intermediate Grade
- 2) Dimensions are to c/c of Bars

DESIGN - T.H.K.
DETAIL - A.L.Y.O.N.
CHECK - S.L.B.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
INTERSTATE 95
OVER
NORTH MAIN STREET
IN THE TOWN OF
PITTSFIELD
SOMERSET COUNTY
REINFORCING STEEL - GRANITE BRIDGE CURB
APPROACH SLAB DETAILS
SHEET 19 OF 19 AUGUSTA, MAINE MARCH 1963