

STATE OF MAINE
STATE HIGHWAY COMMISSION



SNAKEROOT ROAD

OVER

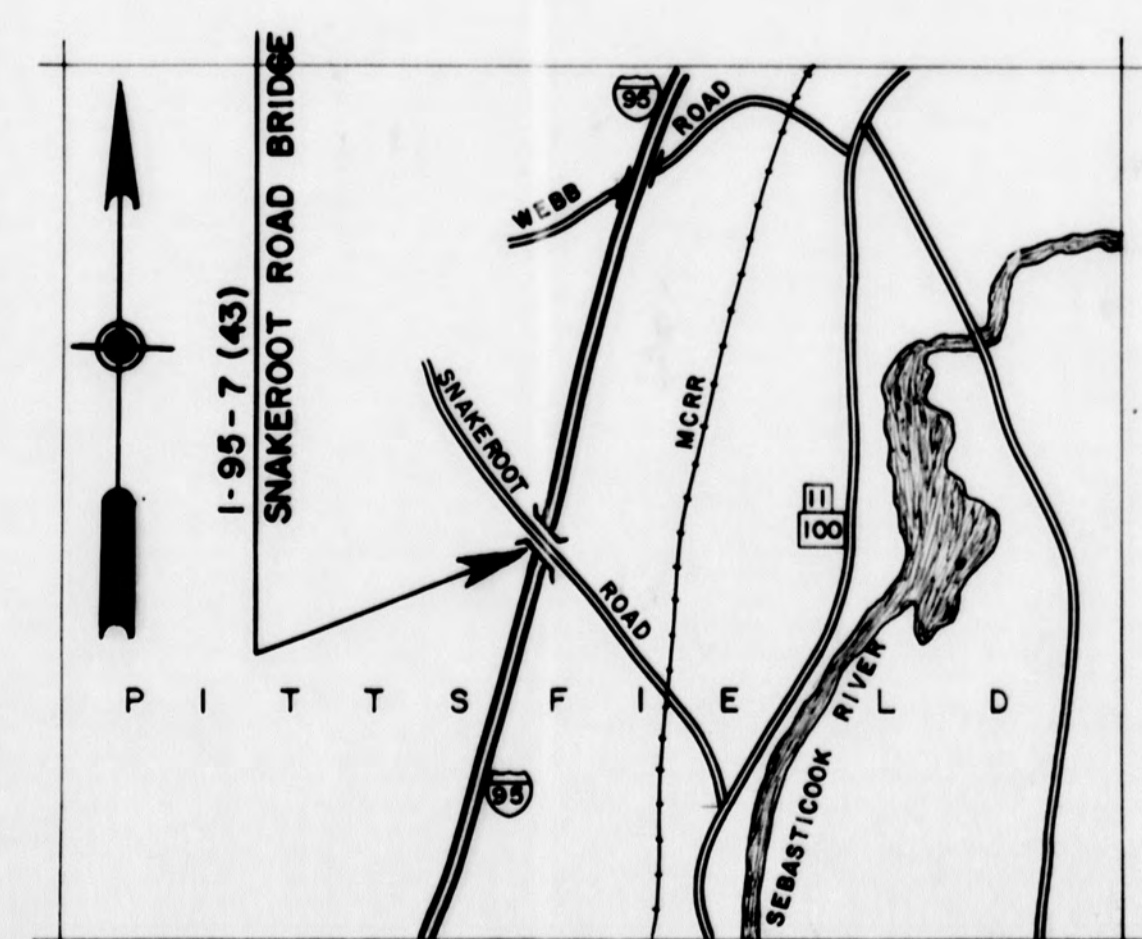
INTERSTATE 95

IN THE TOWN OF

PITTSFIELD

SOMERSET COUNTY

FEDERAL AID PROJECT NO. I-95-7(43)140



LOCATION MAP

APPROX. SCALE - 1" = 1 MILE

INDEX OF SHEETS

1	TITLE SHEET
2	GENERAL PLAN (INCLUDES ESTIMATE OF QUANTITIES)
3 THRU 5	SURVEY - SCALES: HORIZ. 1" = 50'; VERT. 1" = 5'
6, 7	FOUNDATION SURVEY
8 THRU 12	CROSS SECTIONS - SCALE: 1" = 5'
13	SLOPE PAVING
14	ABUTMENT NO. 1
15	ABUTMENT NO. 2
16	PIERS
17	STRUCTURAL STEEL
18	EXPANSION DAM
19	BLOCKING
20, 21	SUPERSTRUCTURE
22	REINFORCING STEEL

STANDARD DETAIL SHEETS

BD 101-62	BEARING PEDESTALS
BD 102-62	BRIDGE RAIL
BD 103-62	BEAM SPLICES
BD 104-62	DIAPHRAGMS, ARMORED JOINT, SHEAR CONNECTORS, DRAIN
2-62	GUARD RAIL

TRAFFIC

SNAKEROOT ROAD	INTERSTATE 95
135	A.D.T. 1962 6200
170	A.D.T. 1975 7880
185	A.D.T. 1982 8430
25 (1975)	DHV 945 (1975)
10%	T 11%
60%	D 60%
45 MPH (MAX)	V 70 MPH (MAX)

APPROVED
MAINE STATE HIGHWAY COMMISSION

David H. Sturges
CHAIRMAN
Raymond W. Walker
CHIEF ENGINEER
4-10-63
DATE

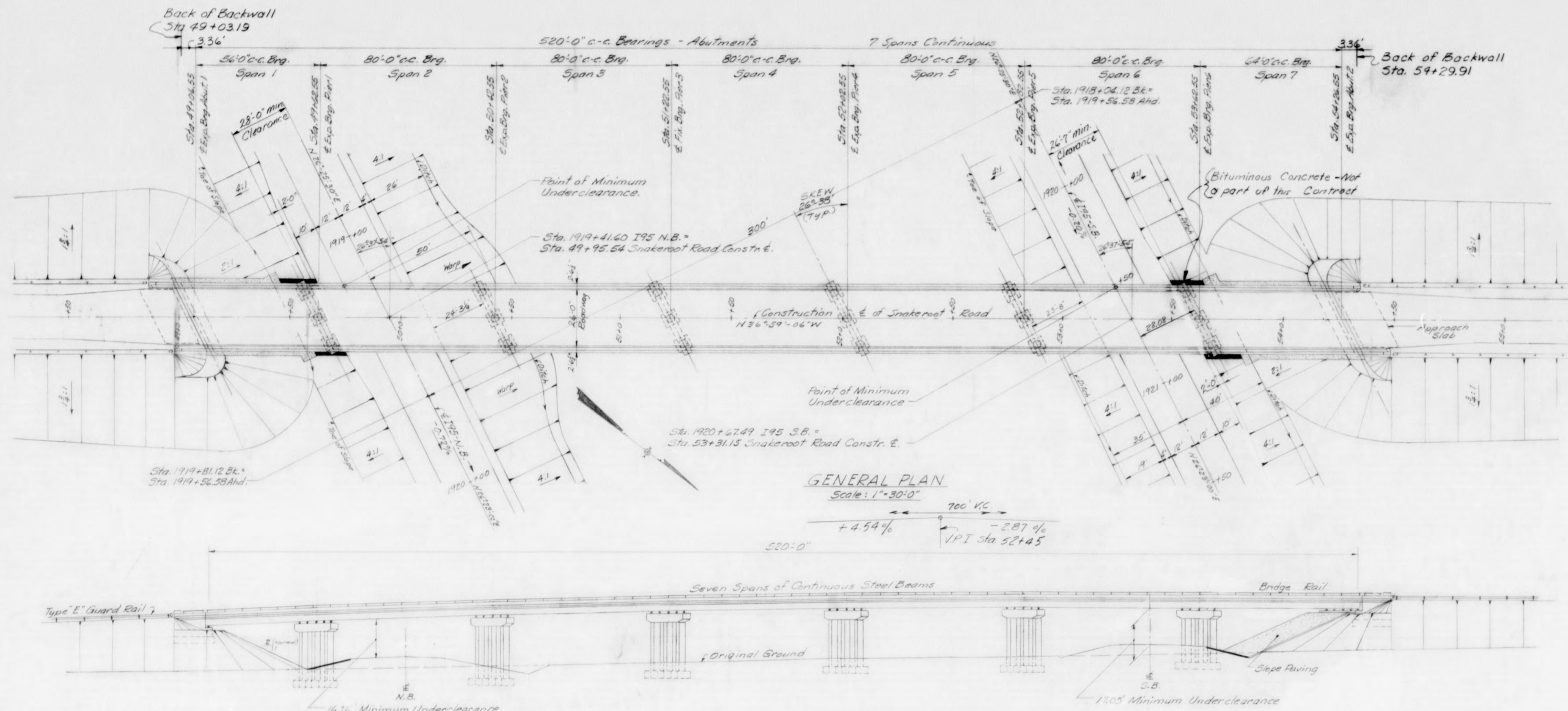
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

REGION 1

APPROVED

DIVISION ENGINEER DATE

87-151

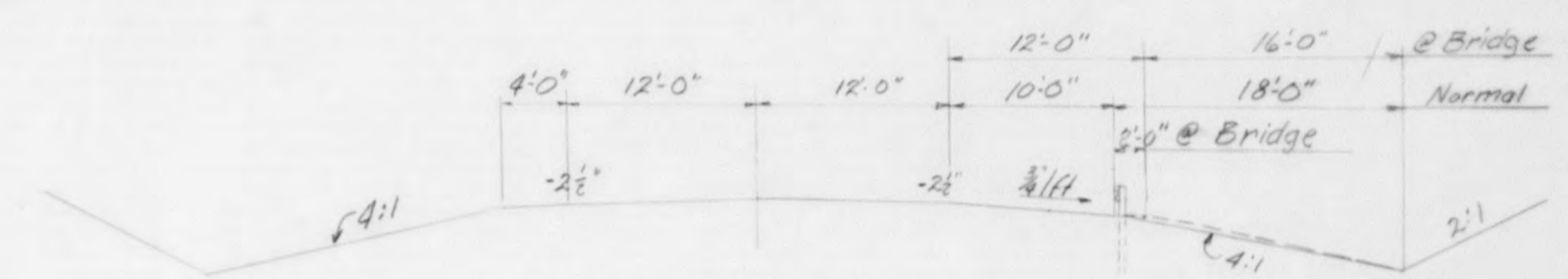


SPECIFICATIONS
 DESIGN: A. A. S. H. O. Standard Specifications for Highway Bridges 1961, with Interim Specifications 1961.
 CONTRACT: State of Maine, State Highway Commission, Standard Specifications for Highways and Bridges, Revision of January 1956, and Supplemental Specifications.

LIVE LOADING
 H20-44

ALLOWABLE STRESSES
 Concrete ($f_c=10$) ~ $f_c=1200$ psi
 Reinft. Steel, Int. Grade ~ $f_y=20,000$ psi
 Structural Steel ~ $f_y=20,000$ psi. (ASTM A36)

CONCRETE CLASSIFICATION.
 All concrete shall be class 'A'

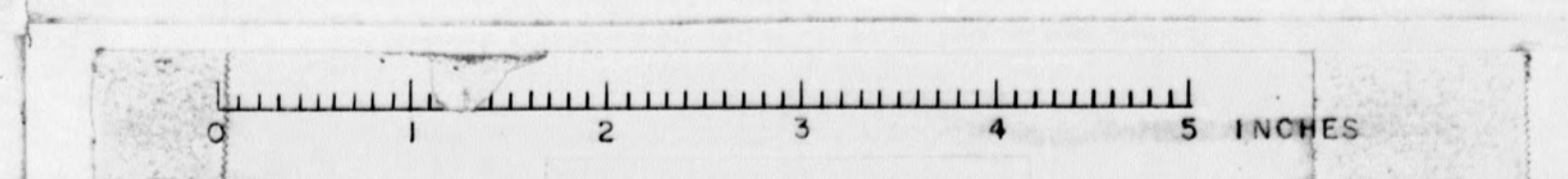


ESTIMATE OF QUANTITIES			
ITEM DESCRIPTION	UNIT	Total Quantities	Bridge Quantities
Earth Excavation	C.Y.	1500	
Structural Earth Excavation - Drainage	C.Y.	20	
Structural Earth Excavation - Piers	C.Y.	550	550
Gravel Borrow - In Place Measurement	C.Y.	9500	
Borrow	C.Y.	34,000	
Gravel Base Course - In Place Measurement	C.Y.	3300	
Gravel Surface Course	C.Y.	400	
Bit. Conc. Surface Course, Type "B"	Tons	165	165
Road Tar	Gals.	2500	
24-Inch Asphalt Coated Corr. Metal Pipe	Lin.Ft.	128	
Portland Cem. Conc., Abutments & Retaining Walls	C.Y.	174	174
Portland Cement Concrete - Piers	C.Y.	352	352
Portland Cem. Conc. Roadway and Sidewalk Slabs on Steel Bridges.	C.Y.	507	507
Portland Cement	Bbls.	1550	1550
Str. Steel, Fabricated and Delivered		Lump Sum	Lump Sum
Structural Steel, Erection		Lump Sum	Lump Sum
Structural Steel, Field Painting		Lump Sum	Lump Sum
Reinforcing Steel, Delivered	Lbs.	151,650	151,650
Reinforcing Steel, Placing	Lbs.	151,650	151,650
Bridge Rail	Lin.Ft.	1079	1079
Membrane Waterproofing	Sq.Yds.	1510	1510
Epoxy Resin Surface Sealant	Sq.Yds.	77	77
Slope Paving	Sq.Yds.	430	
Granite Bridge Curb	Lin.Ft.	1087	1087
Guard Rail Type "E"	Lin.Ft.	2000	
Guard Rail Type "E" - Terminal Section	Each	8	
Loom Borrow	C.Y.	800	
Seeding - Method No 2	Units	87	
Hay Mulch	Tons	10	
Asphalt Mulch Binder	Gals.	500	

Estimated Weight of Structural Steel, including Drains = 454,000 lbs.

DESIGN - F.H.K. TRACE - C.H.K. CHECK - J.W.R.	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION SNAKEROOT ROAD BRIDGE OVER INTERSTATE 95 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
GENERAL PLAN SHEET 2 OF 22 AUGUSTA, MAINE JULY 1963	

87-182



S.P.R.	STATE	PROJECT NUMBER	SHEET	TOTAL SHEETS
REG. NO.	MAINE	I-95-7(43)	4	22

- Existing CMP Pole to be removed
- * Existing CMP Pole to remain in place
- + CMP Proposed temporary pole
- + Permanent CMP Poles

All clearing, selective clearing and thinning, and removal of single trees shall be done by others.
Any additional clearing will be considered incidental to Earth Excavation.

A portion of Temporary Road @ Sta 41+75 is to remain as a Field Entrance.
Entrance to be shaped by others.
Abandon Field Entrance at Sta 43+70.

TEMPORARY ROAD (By Others)

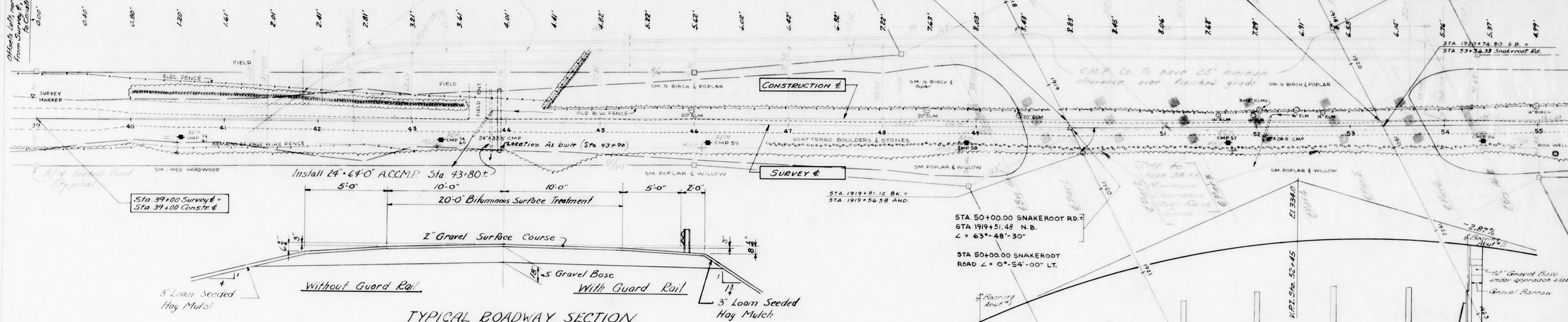
Sta 199+41.60 I-95 N.B. = Sta 49+95.54 Snakeroot Rd.

Sta 1920+67.49 I-95 S.B. = Sta 53+31.15 Snakeroot Rd.

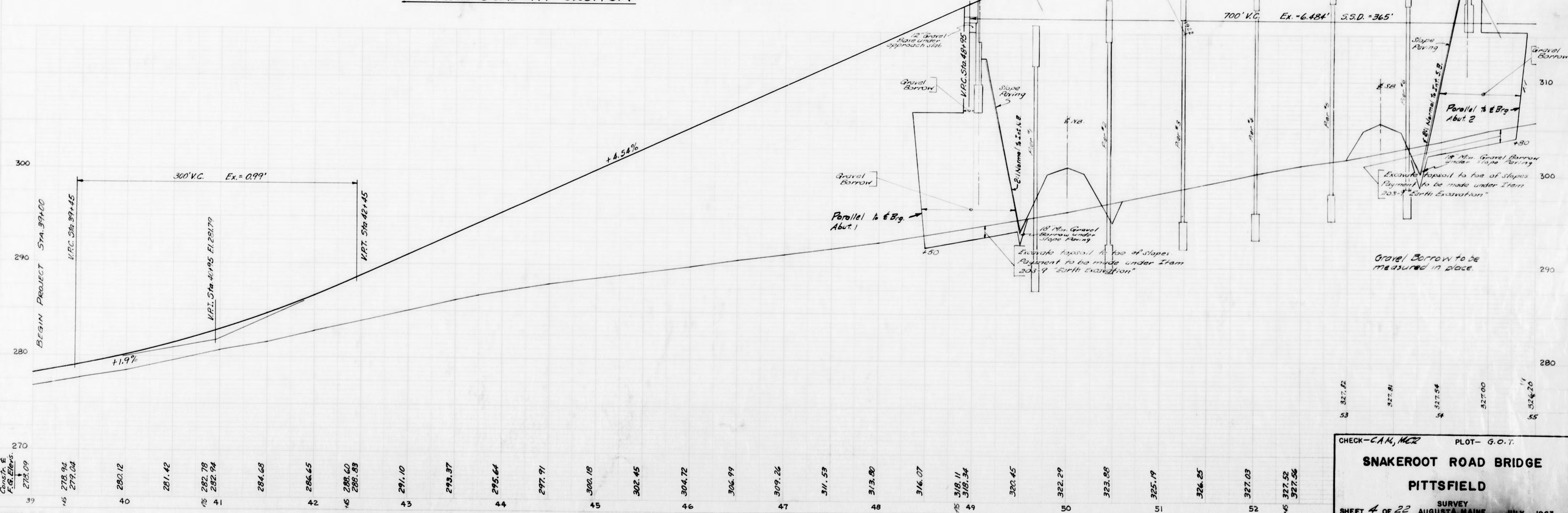
Sta 1918+04.12 B.K. = Sta 1919+56.88 AND.

Sta 1920+74.80 S.B. = Sta 53+36.33 Snakeroot Rd.

Offset left, normal to road from Survey E, at 50 Stations, to Centerline



TYPICAL ROADWAY SECTION



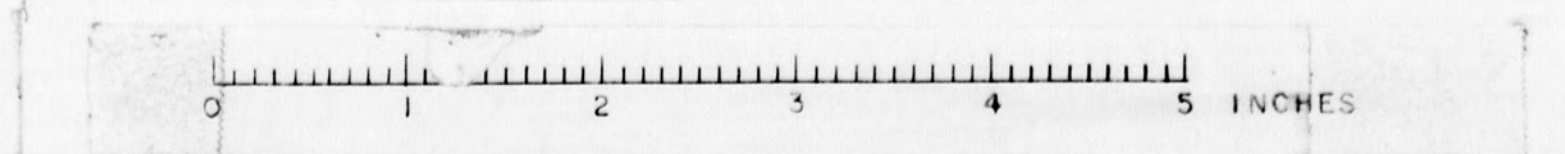
CHECK - C.A.M., M.C.R. PLOT - G.O.T.

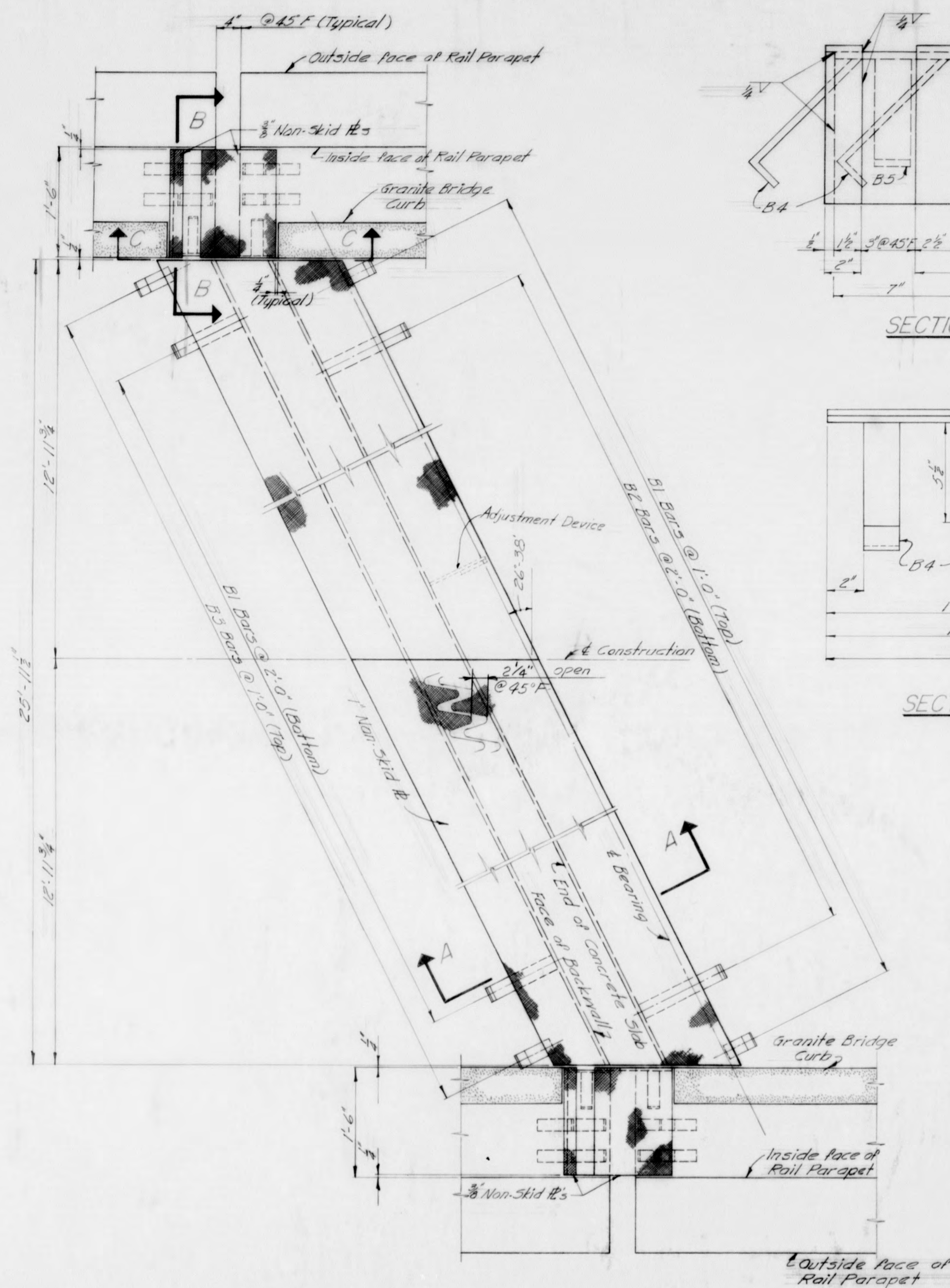
SNAKEROOT ROAD BRIDGE

PITTSFIELD

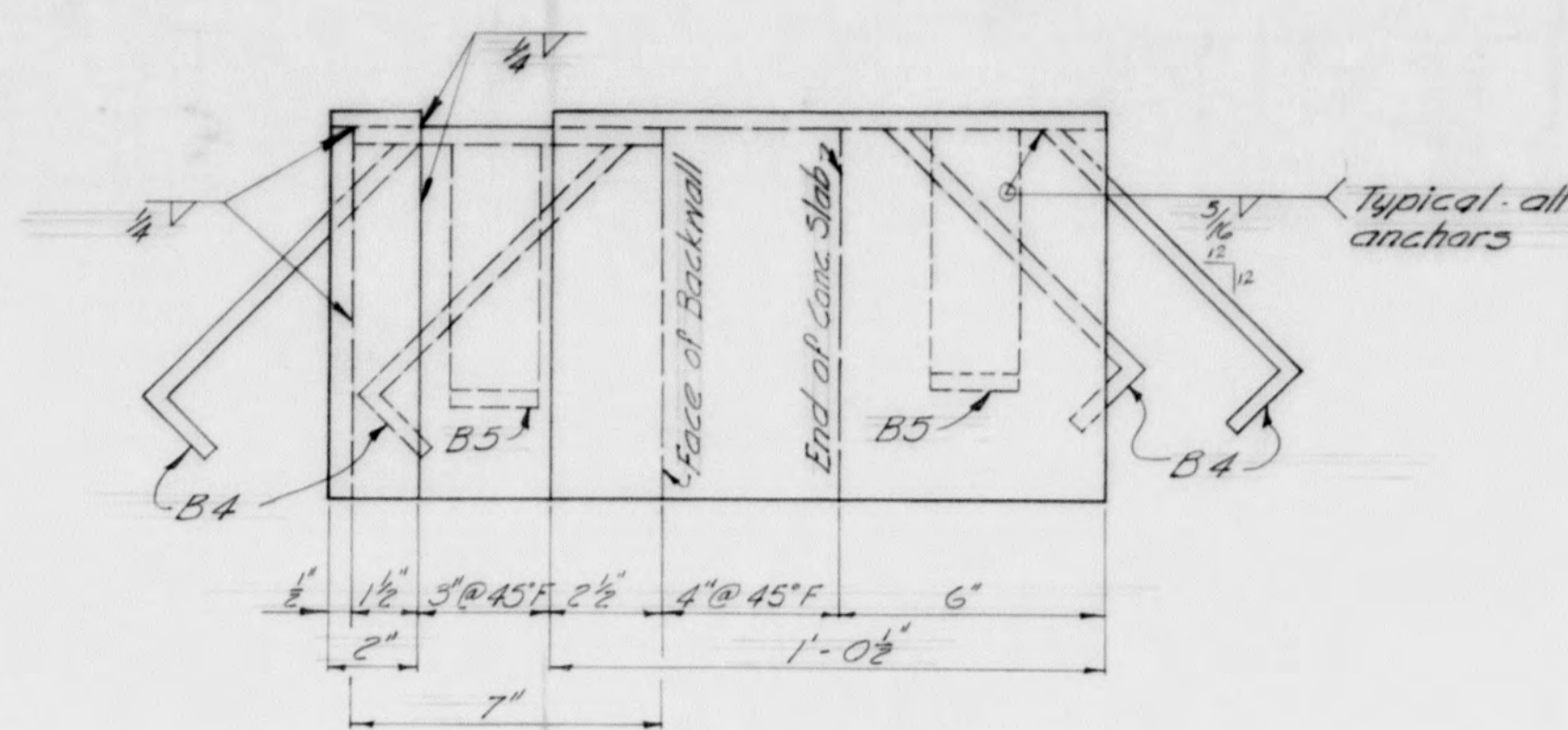
SURVEY

SHEET 4 OF 22 AUGUSTA, MAINE JULY 1963

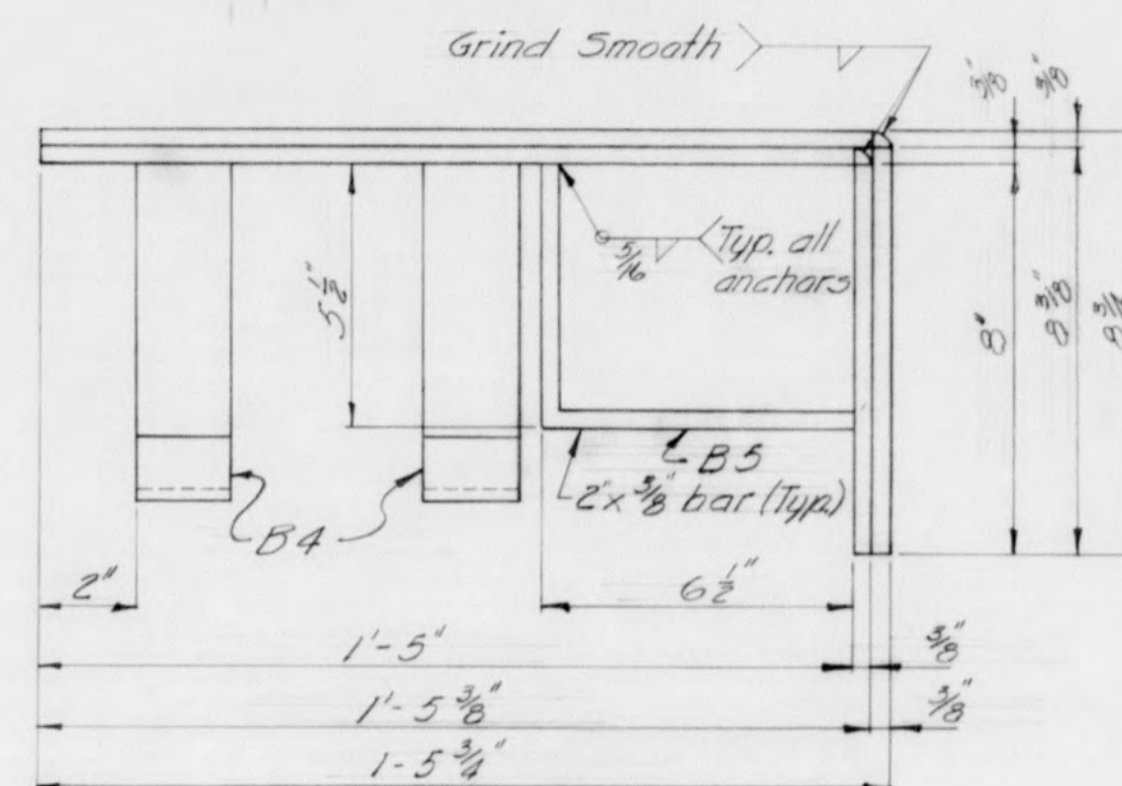




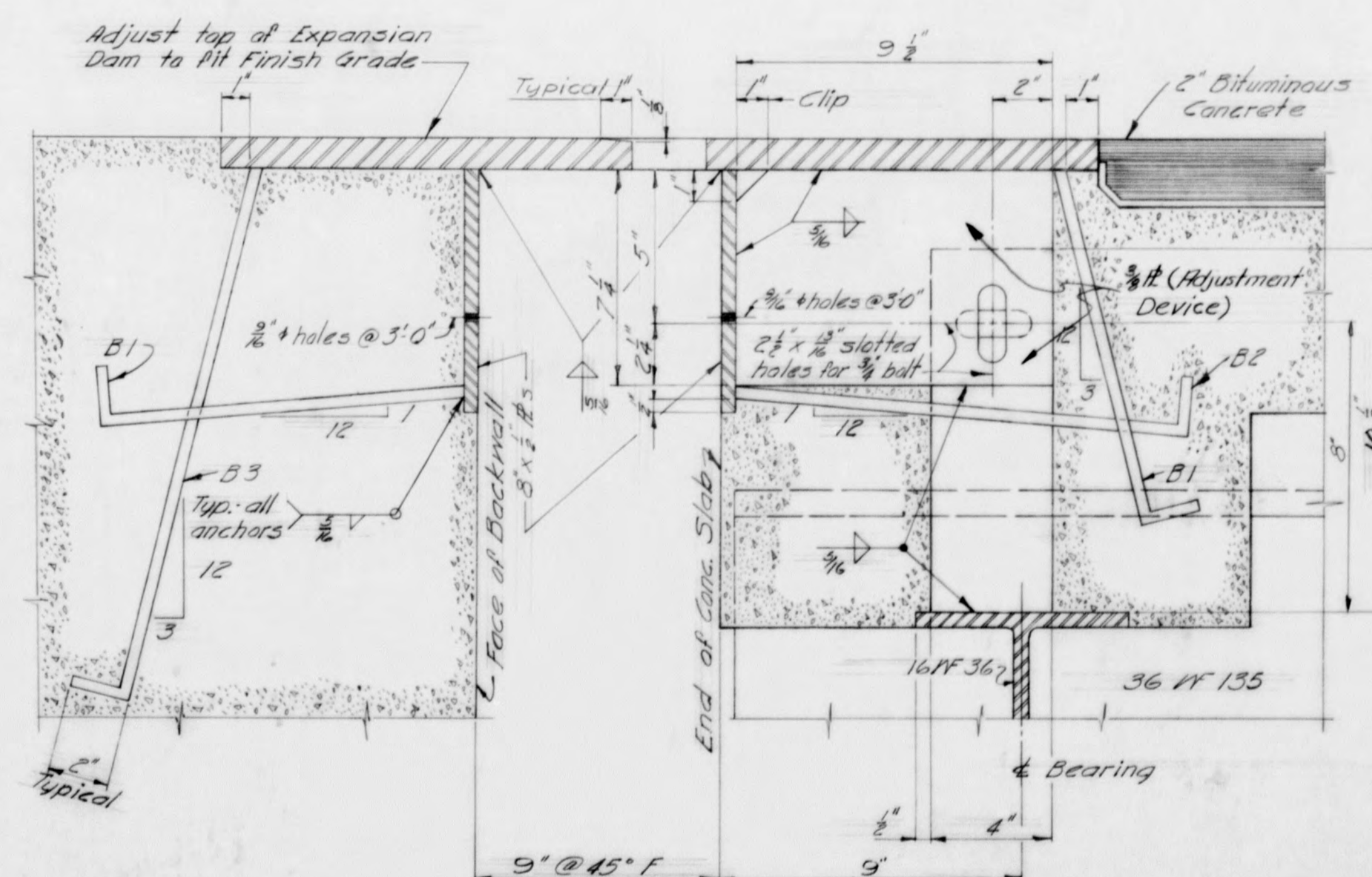
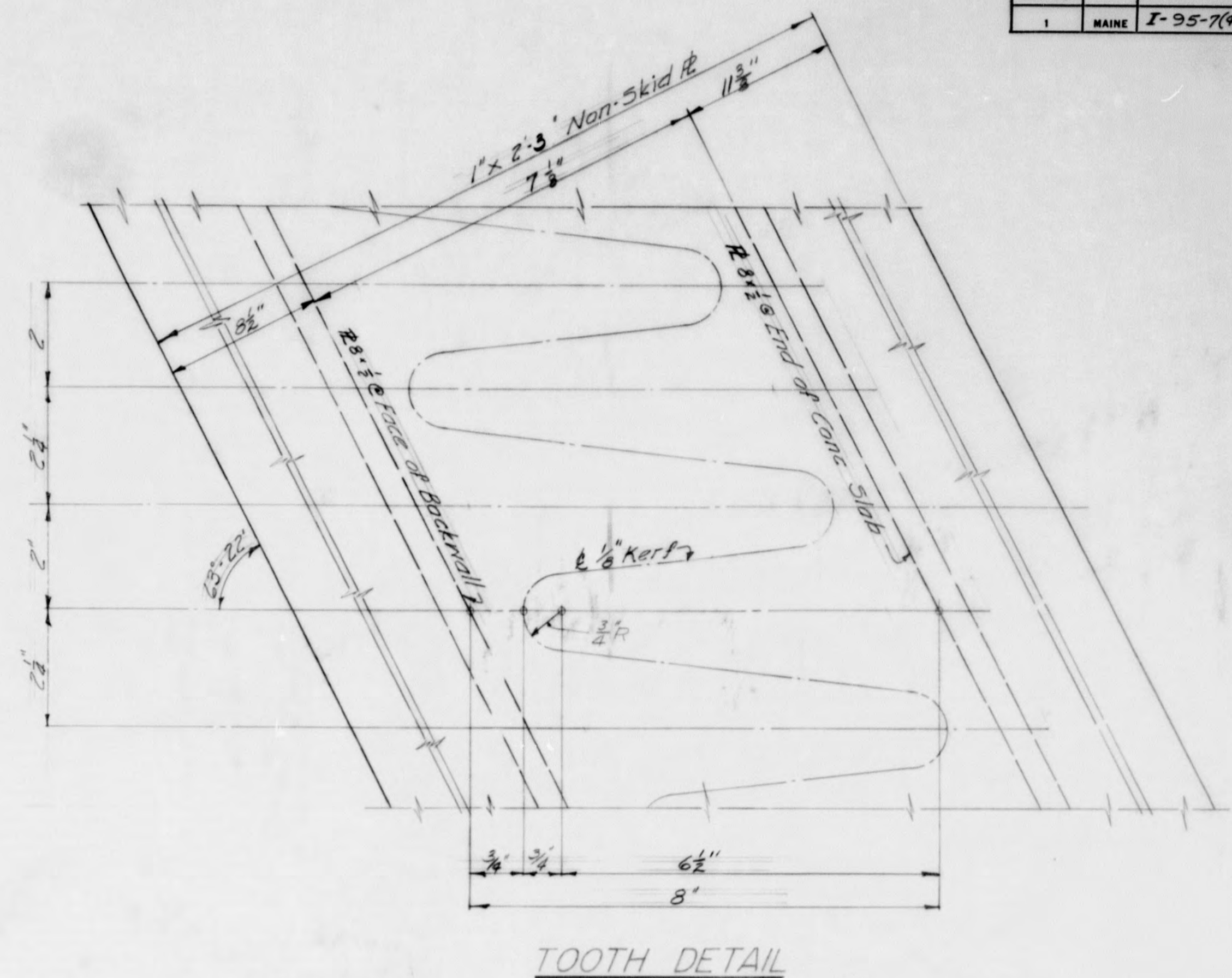
EXPANSION DAM PLAN - ABUTMENT NO. 1
Rotate 180° for Abutment No. 2



SECTION C-C



SECTION B-B



SECTION A-A

Note: B Adjustment Devices required per dam.
Two on each 16' 11 3/4\"/>

Bar No.	Bar Size
B1	2 1/2\"/>

DESIGN - J. H. K.	BRIDGE NO.
CHECK - J. H. K.	SURVEY -
	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
SNAKEROOT ROAD BRIDGE	
OVER	
INTERSTATE 95	
IN THE TOWN OF	
PITTSFIELD	
SOMERSET COUNTY	
EXPANSION DAM	
SHEET 18 OF 22	AUGUSTA, MAINE JULY 1963

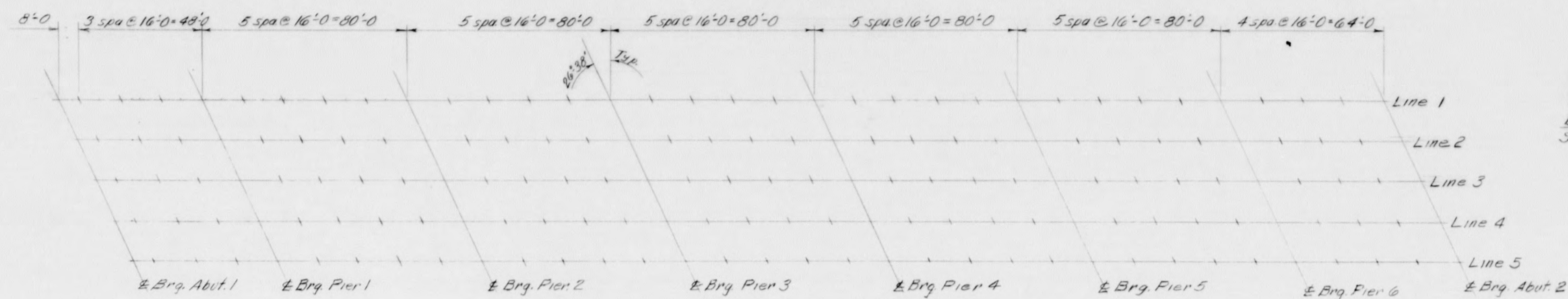
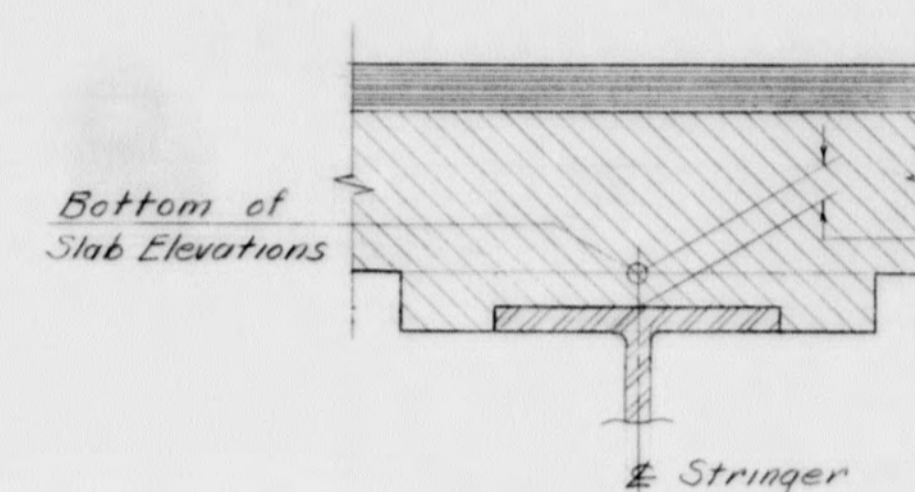


DIAGRAM OF BLOCKING POINTS

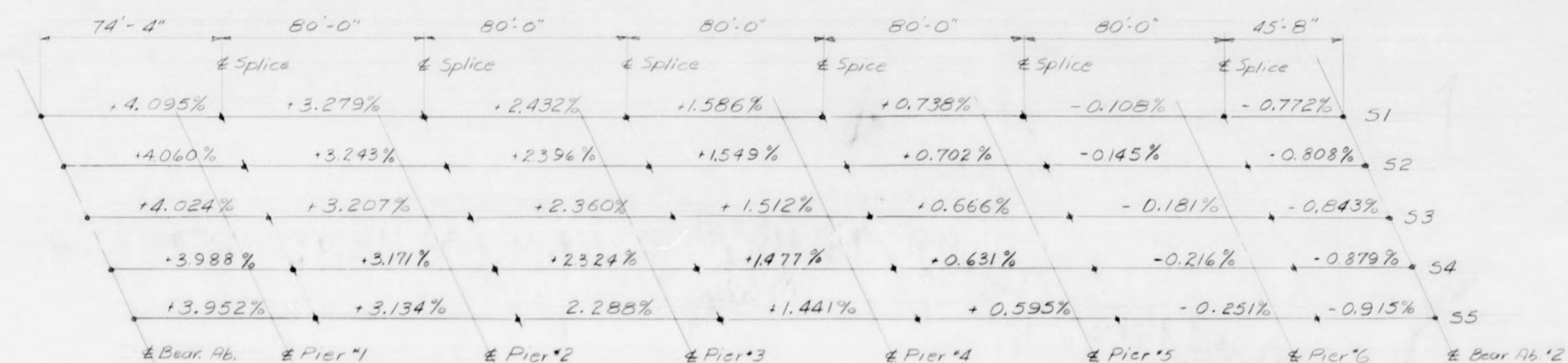


BLOCKING DETAIL

NOTE: To compensate for dead load deflections as well as possible irregularities in beams, set the bottom of slab elevations at the points indicated before any of the slab formwork is started.

BOTTOM OF SLAB ELEVATIONS AT BLOCKING POINTS

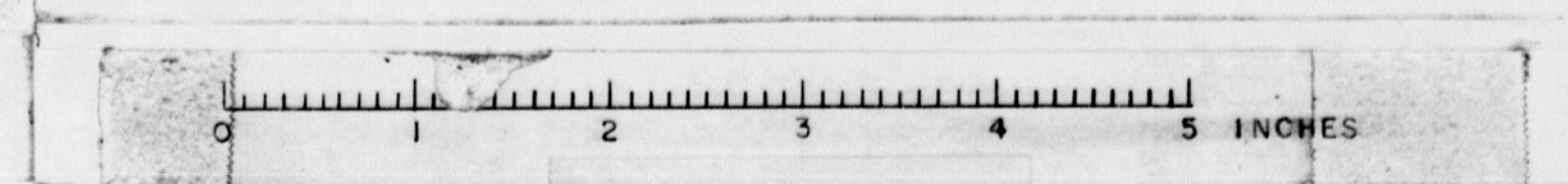
	± Brg. Abut. 1	SPAN 1				± Brg. Pier 1	SPAN 2				± Brg. Pier 2	SPAN 3				± Brg. Pier 3	SPAN 4				± Brg. Pier 4	SPAN 5				± Brg. Pier 5	SPAN 6				± Brg. Pier 6	SPAN 7				± Brg. Abut. 2
		+ 8	+ 24	+ 40		+ 16	+ 32	+ 48	+ 64		+ 16	+ 32	+ 48	+ 64		+ 16	+ 32	+ 48	+ 64		+ 16	+ 32	+ 48	+ 64		+ 16	+ 32	+ 48	+ 64		+ 16	+ 32	+ 48			
LINE 1	317.29	317.66	318.36	319.01	319.64	320.28	320.89	321.44	321.94	322.42	322.91	323.38	323.80	324.17	324.52	324.88	325.21	325.50	325.73	325.95	326.16	326.37	326.51	326.61	326.68	326.77	326.84	326.86	326.81	326.76	326.71	326.64	326.52	326.33		
LINE 2	317.59	317.75	318.65	319.29	319.91	320.54	321.15	321.70	322.19	322.66	323.14	323.61	324.03	324.39	324.74	325.09	325.42	325.70	325.92	326.13	326.34	326.54	326.68	326.77	326.85	326.93	326.99	327.00	326.95	326.89	326.83	326.76	326.63	326.43		
LINE 3	317.88	318.24	318.93	319.57	320.19	320.81	321.41	321.95	322.44	322.91	323.38	323.84	324.25	324.61	324.95	325.29	325.62	325.89	326.11	326.32	326.52	326.71	326.85	326.94	327.01	327.08	327.13	327.13	327.08	327.02	326.95	326.87	326.74	326.54		
LINE 4	317.89	318.25	318.93	319.56	320.17	320.79	321.39	321.92	322.40	322.87	323.33	323.79	324.19	324.55	324.89	325.22	325.54	325.81	326.02	326.22	326.42	326.60	326.74	326.82	326.88	326.94	326.99	326.99	326.93	326.86	326.79	326.71	326.56	326.36		
LINE 5	317.89	318.25	318.93	319.55	320.16	320.77	321.36	321.89	322.37	322.82	323.29	323.74	324.14	324.49	324.81	325.14	325.46	325.72	325.93	326.12	326.31	326.49	326.62	326.69	326.75	326.81	326.85	326.85	326.78	326.70	326.63	326.54	326.39	326.18		

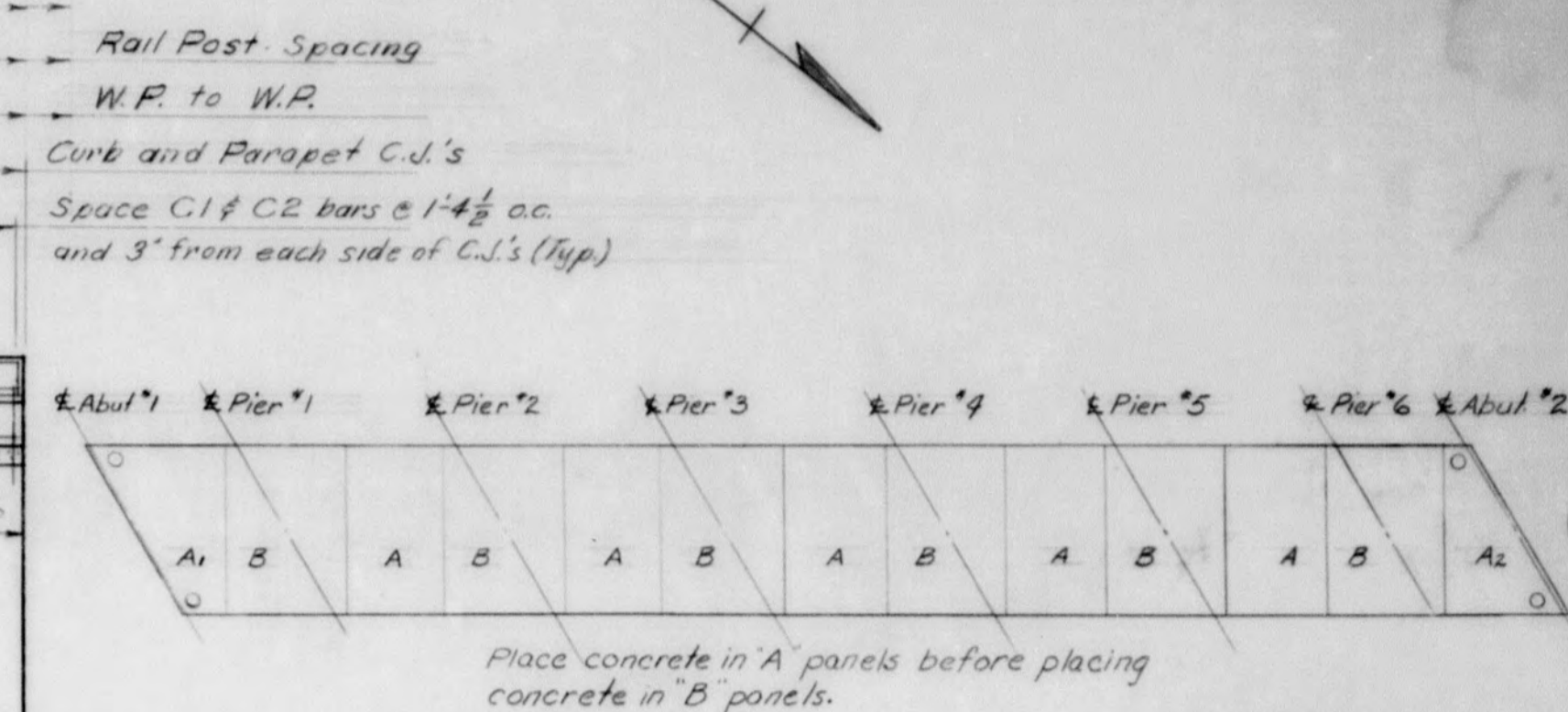
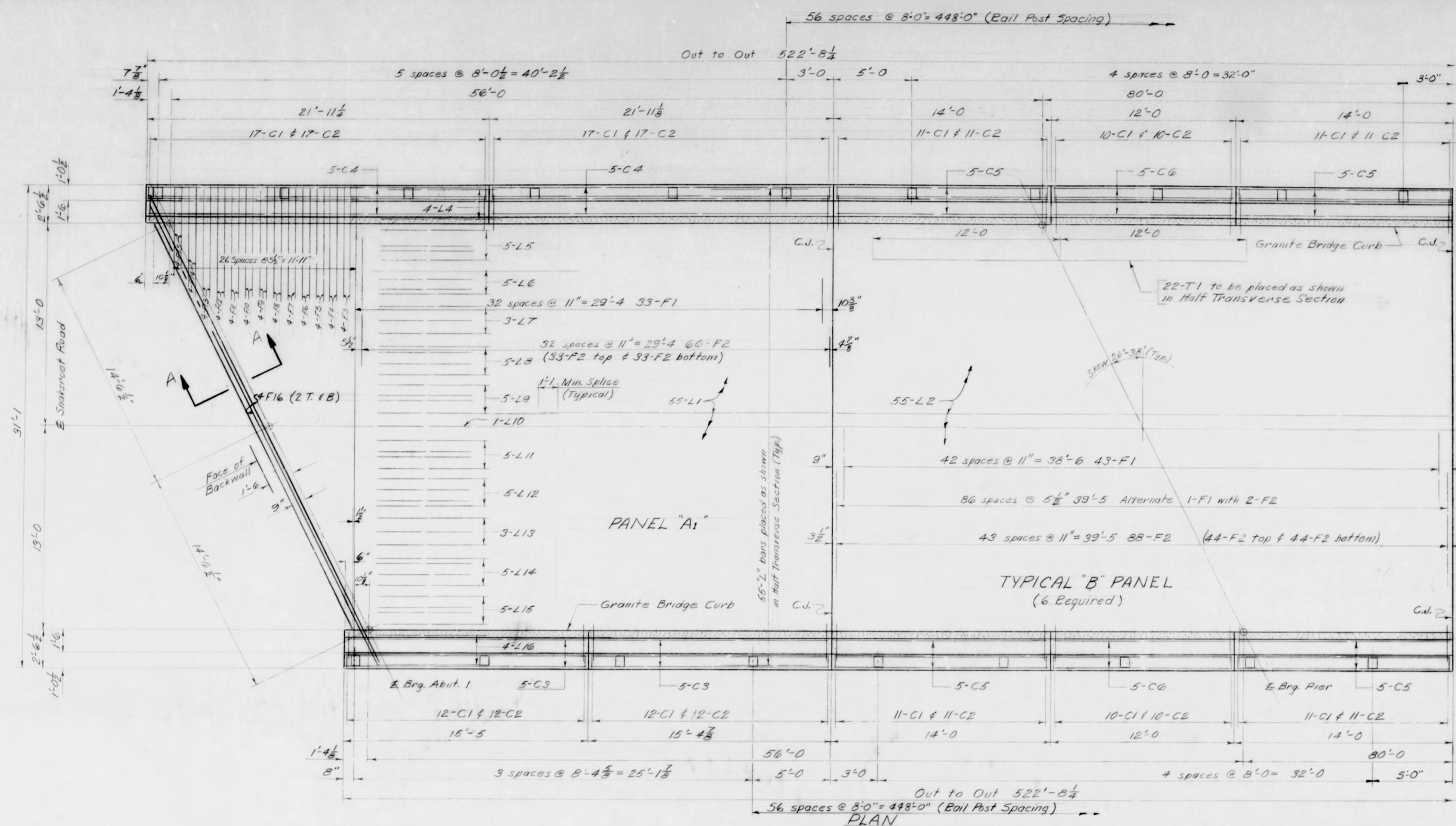


BEAM GRADES

DESIGN - T. H. K. TRACE - DET. CHECK - J. C.	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
SNAKEROOT ROAD BRIDGE OVER INTERSTATE 95 IN THE TOWN OF PITTSFIELD SOMERSET COUNTY	
BLOCKING SHEET 19 OF 22 AUGUSTA, MAINE JULY 1993	

87-199





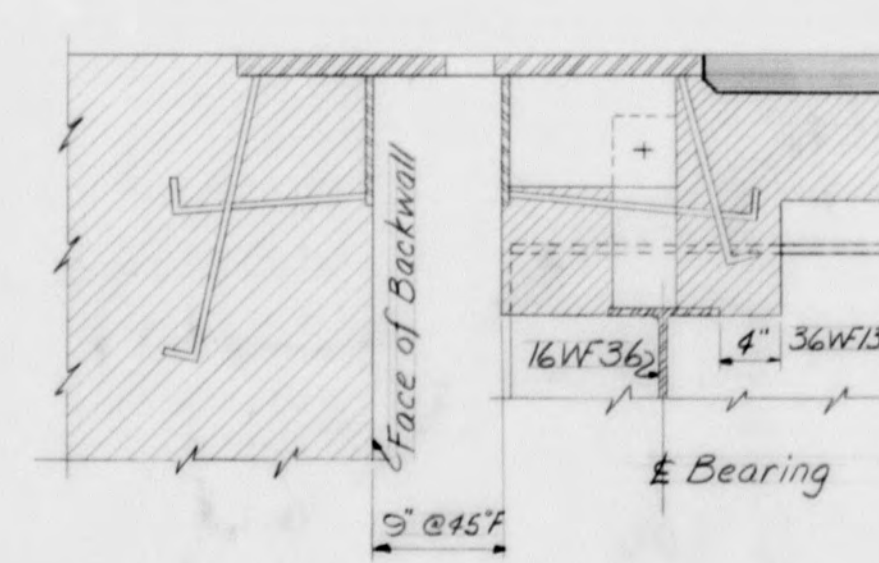
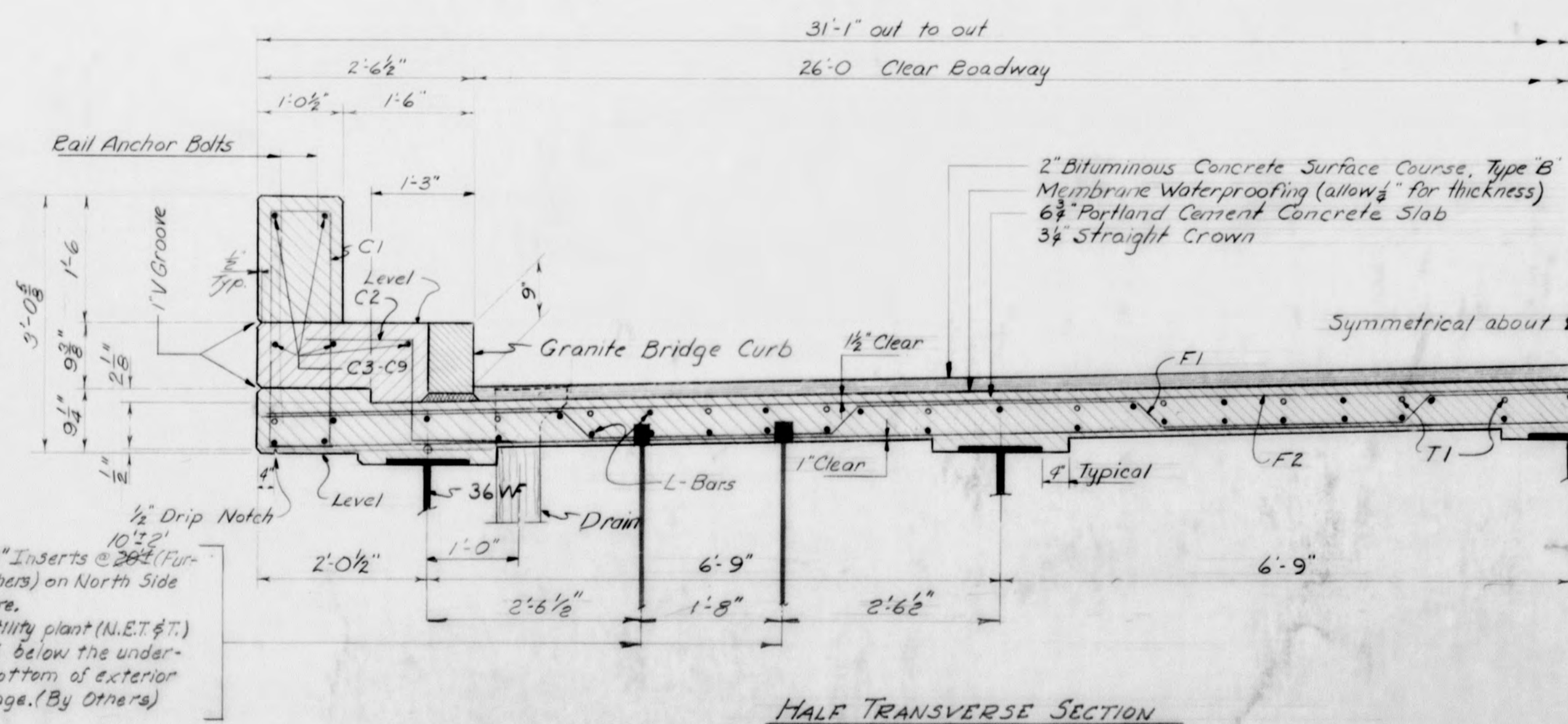
PLAN, CONCRETE PLACING SEQUENCE

GENERAL SUPERSTRUCTURE NOTES

- At joints in curbs, granite bridge curbs and parapets over Piers, use 1/4" preformed expansion joint filler. At other curb & parapet joints, break the bond between concrete surfaces with a suitable grade of asphalt paint. Form "V" Groove on top, inside and outside face of parapet and outside face of curb and slab at each vertical joint. Provide joints in granite bridge curb at curb and parapet C. J.
- At low points in slabs, place a plastic tube, 1" dia., through the slab for drainage. Exact location to be determined in the field. Do not cover the tube with waterproofing. This work to be incidental to contract items. (4 required)
- For Bridge Rail, See Standard Details BD 102-62.

DRAIN NOTES

- Span 1 - 3 drains required on each side.
 Span 2 - 2 drains required on each side.
 Span 3 - 4 drains required on each side.
 Span 4 - 3 drains required on each side.
 Span 5 - 3 drains required on each side.
 Span 6 - 1 drain required on each side.
 Span 7 - 3 drains required on each side.
- Drains shall be placed so they are at least 10' from E. Piers and berms of Interstate section. Exact spacing to be determined in the field.
 For Drains see Standard Details BD 104-62.



SECTION A-A

DESIGN - T. H. K.	BRIDGE NO.
TRACE - G. O. T.	SURVEY -
CHECK -	PLOT -
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
SNAKEROOT ROAD BRIDGE	
OVER	
INTERSTATE 95	
IN THE TOWN OF	
PITTSFIELD	
SOMERSET COUNTY	
SUPERSTRUCTURE	
SHEET 20 OF 22	AUGUSTA, MAINE JULY 1963

