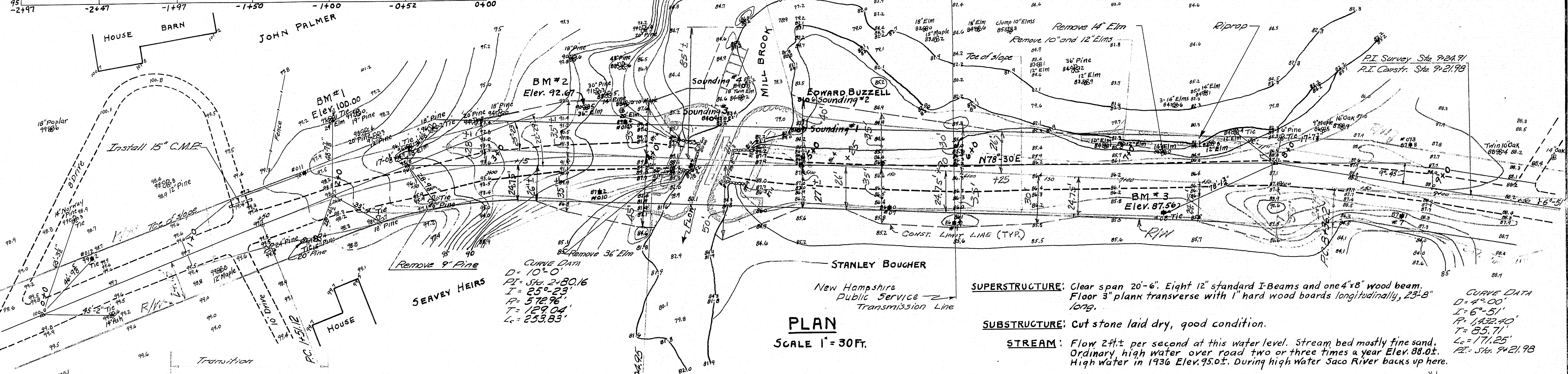
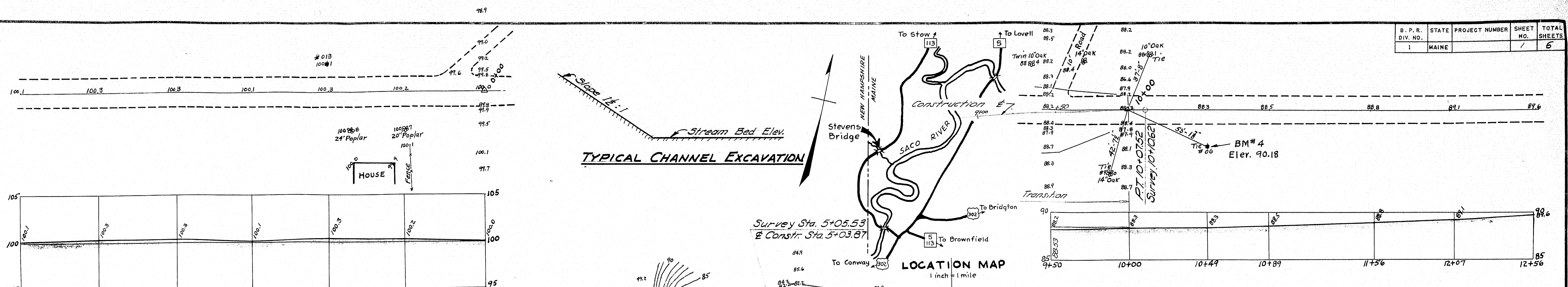


FOUNDATION
Soundings were taken on banks of stream. Rod pushed by hand thru 2 to 3 ft. of muddy silt at the surface, then steadily with increasing resistance thru fine sand with some clay to 27 ft. below ground level at sounding #1, driven by hand.
Soundings #2, #3, #4 were made with Barco Hammer. Rod penetrated to 30 ft. below ground level. Same characteristics as Sounding #1.
See Field Notes for more detail.

PLAN
SCALE 1" = 30 FT.

PROFILE
HOR. SCALE 1" = 30 FT.
VERT. " 1" = 5 FT.

NOTE: Payment for removal of the existing abutments, and for the excavation necessary for placing the rip-rap in front of the new abutts., will be made at the contract unit price per cubic yard for Item 204-12, Structural Earth Excavation, Abutments and Retaining Walls.

Field Notes: 11/16/50 R.D. Foster

DESIGN: T. C. WELCH

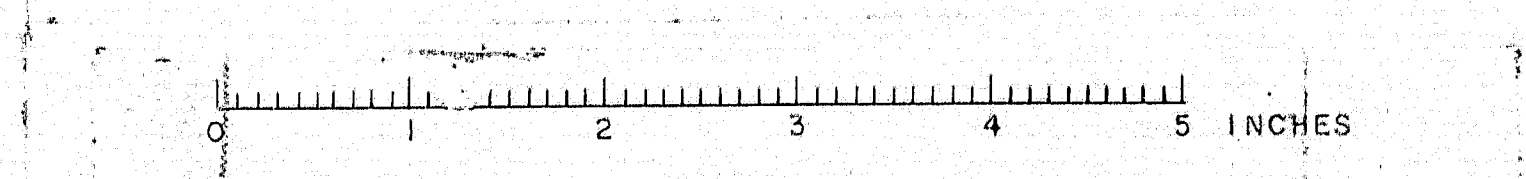
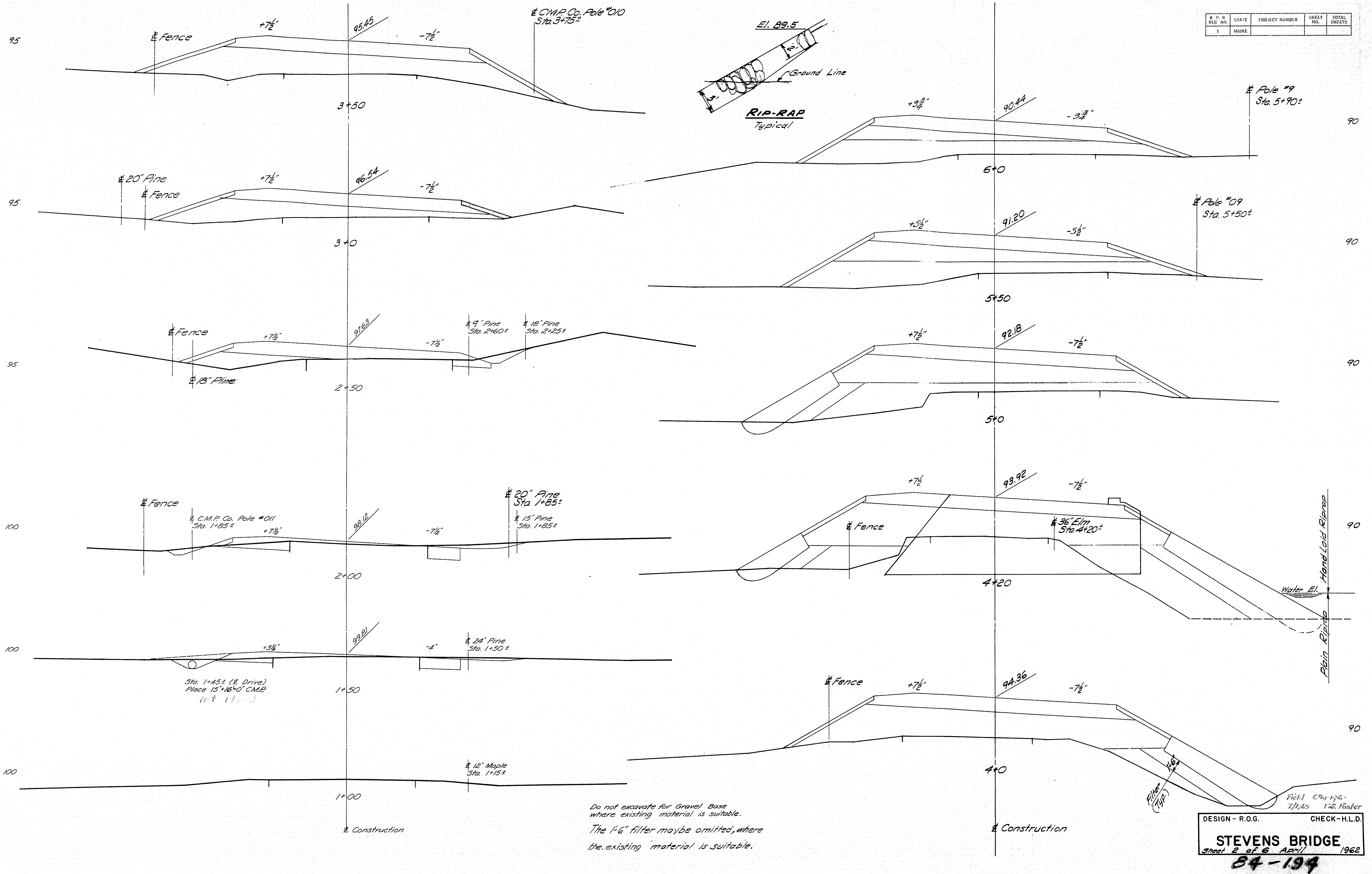
BRIDGE NO. 5647
SURVEY - HERSUM
PLOT - WELCH

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

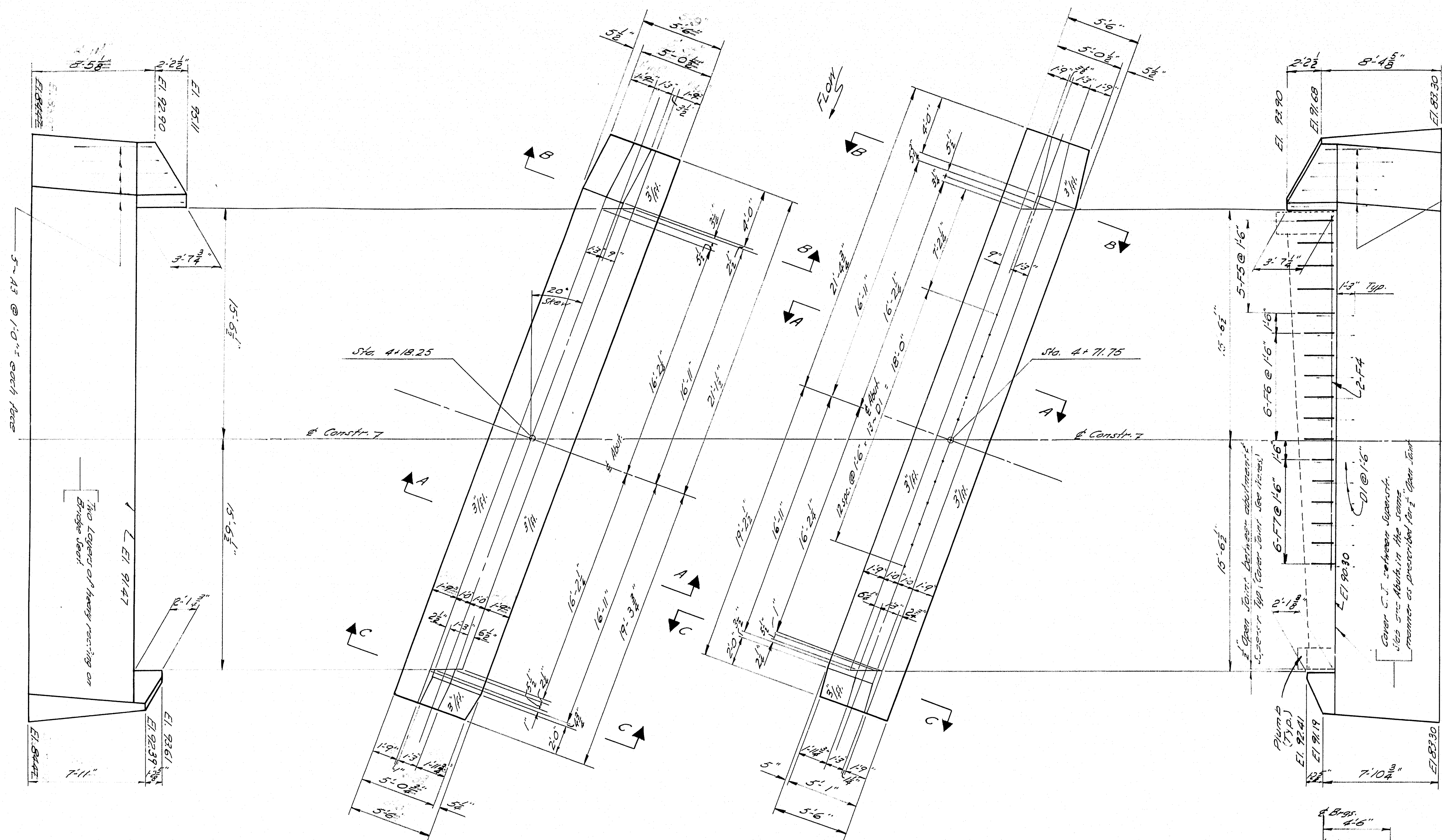
STEVENS BRIDGE
OVER
MILL BROOK
IN THE TOWN OF
FRYEBURG
OXFORD COUNTY
SURVEY

SHEET 1 OF 6 AUGUSTA, MAINE APRIL 1956

D.P.N.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			

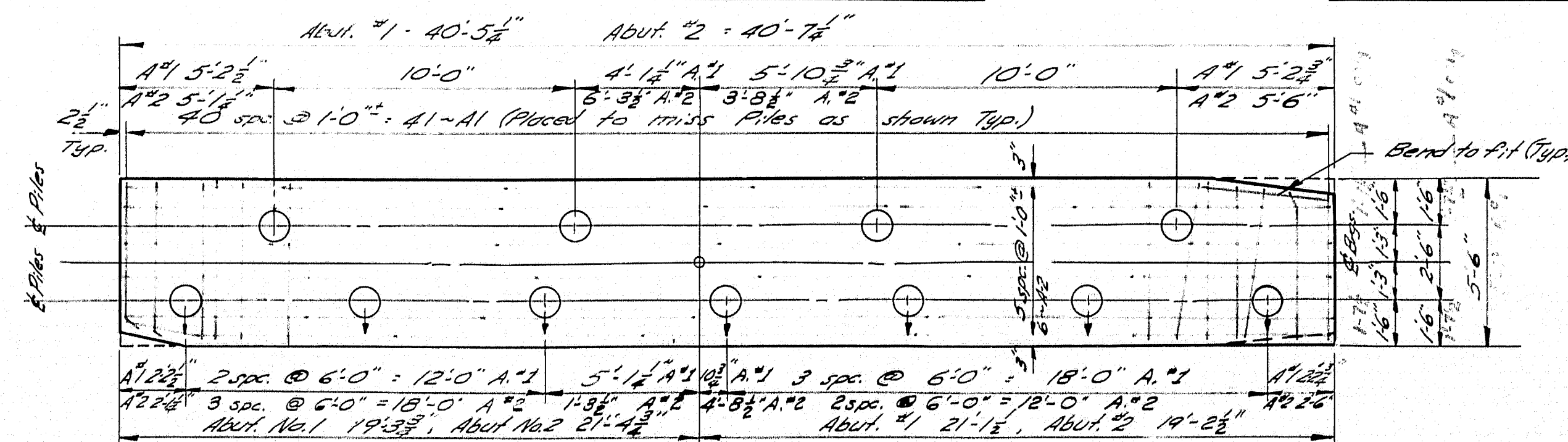


REAR ELEVATION ABUTMENT No.1



PLAN ABUTMENT No.1

PLAN ABUTMENT No.2



ABUTMENT PILE & REINFORCING STEEL LAYOUT

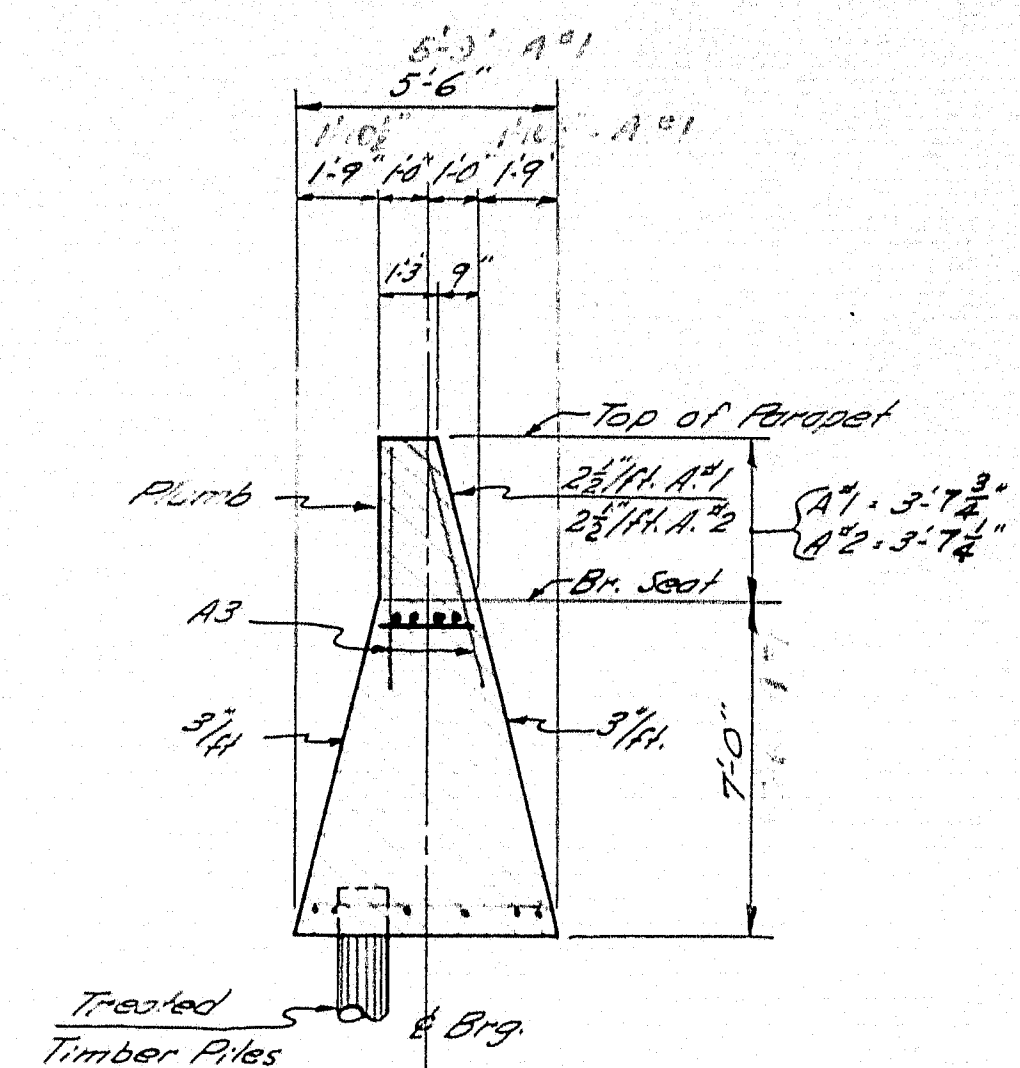
NOTE: Abutment 1 shown abutment 2 similar except as shown.

PILE NOTES

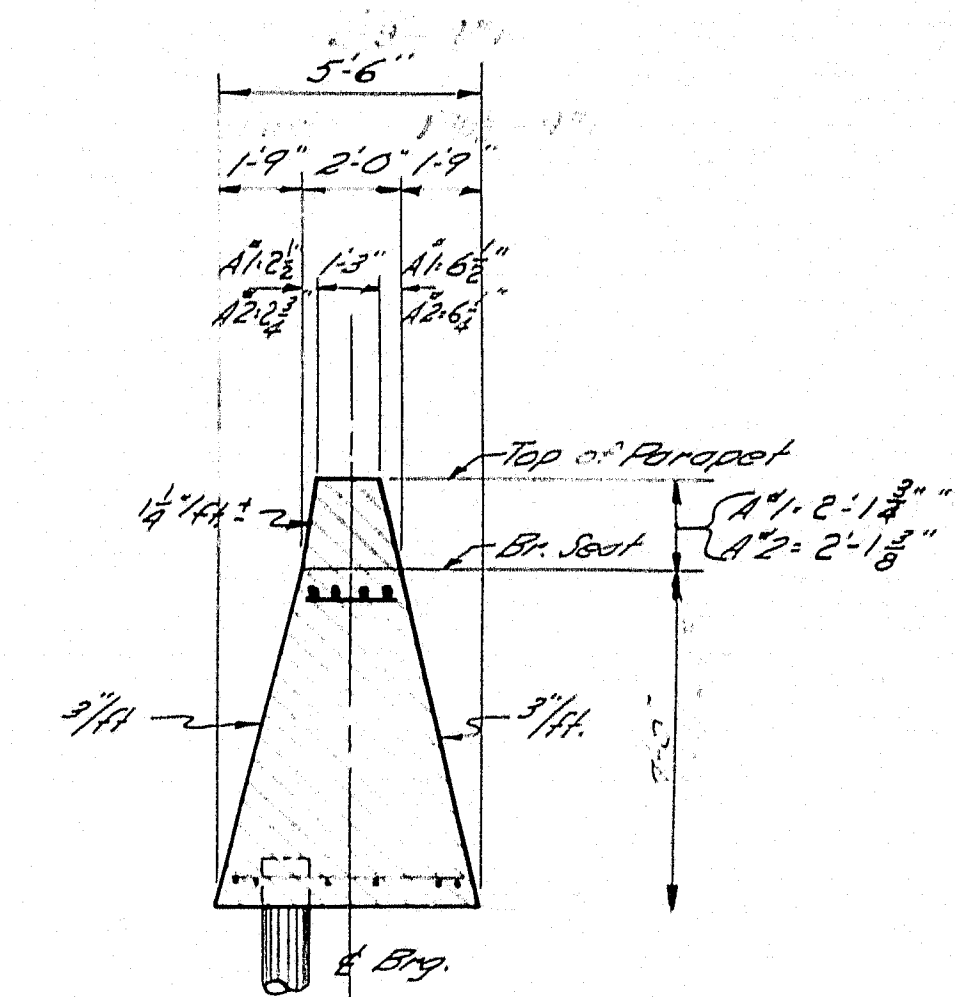
Piles indicated thus Φ to be battered $2\frac{1}{4}''/ft$ in the direction indicated by the arrow.
Max. pile load = 24 tons.
Piles to be Treated Timber Piles.
Estimated pile length = 45'-0"
22 - Piles Required

A wooden test pile shall be driven at a location designated by the Engineer for determining the length of piles to be ordered for the construction of the abutments and pier. Payment for the test pile will be made under Item 708-15, Timber Piles, Treated.

REAR ELEVATION ABUTMENT No.2



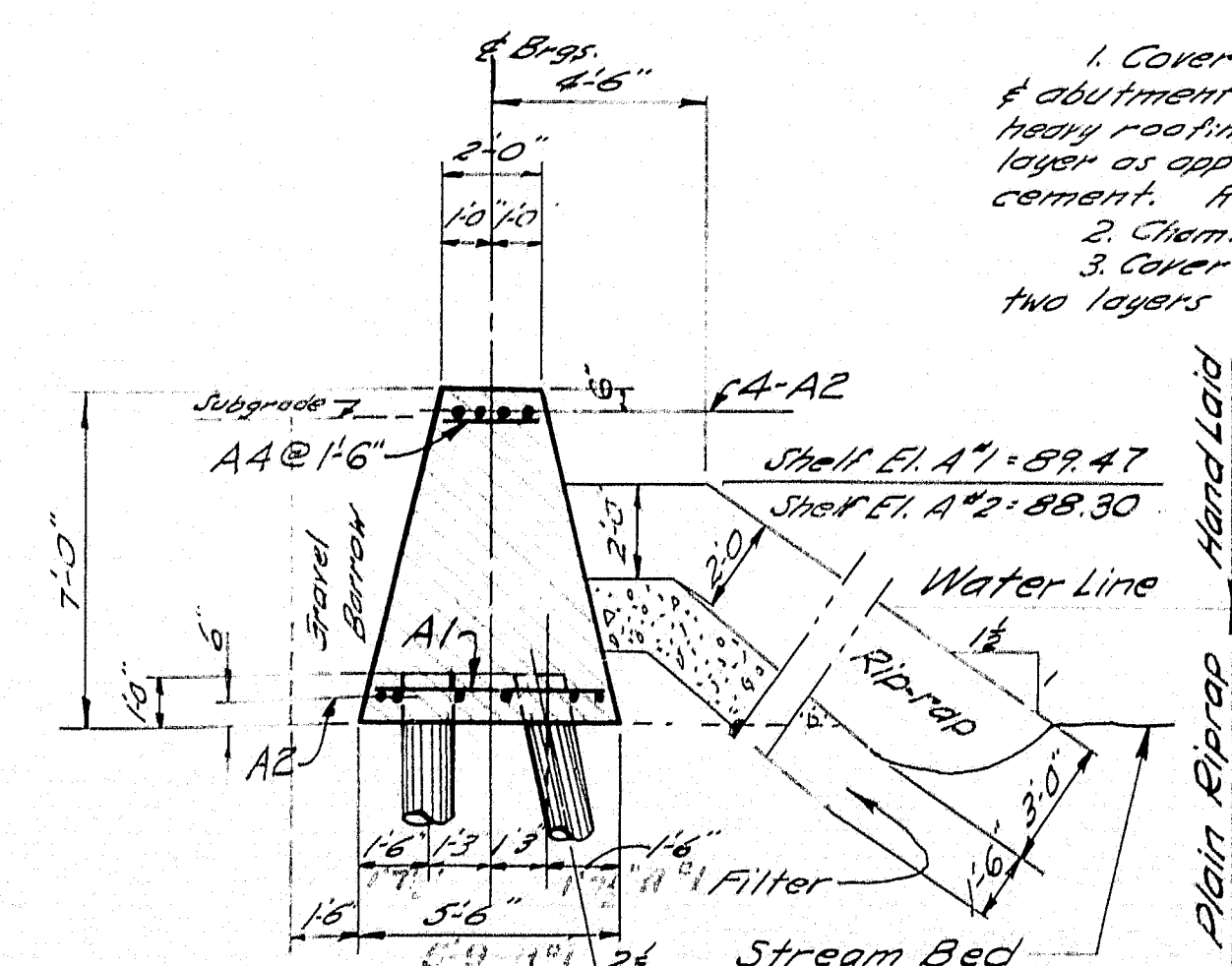
SECTION B-B



SECTION C-C

NOTES

1. Cover $\frac{1}{2}''$ open joint between the superstructure & abutment on the back seat with two layers of heavy roofing, 10' wide, coat the concrete and each layer as applied with a suitable grade of roofing cement. Rebars the area to be covered $\frac{1}{2}''$.
2. Chamber all exposed edges $\frac{1}{2}''$.
3. Cover the bridge seat of abutment No. 1 with two layers of heavy roofing.



SECTION A-A

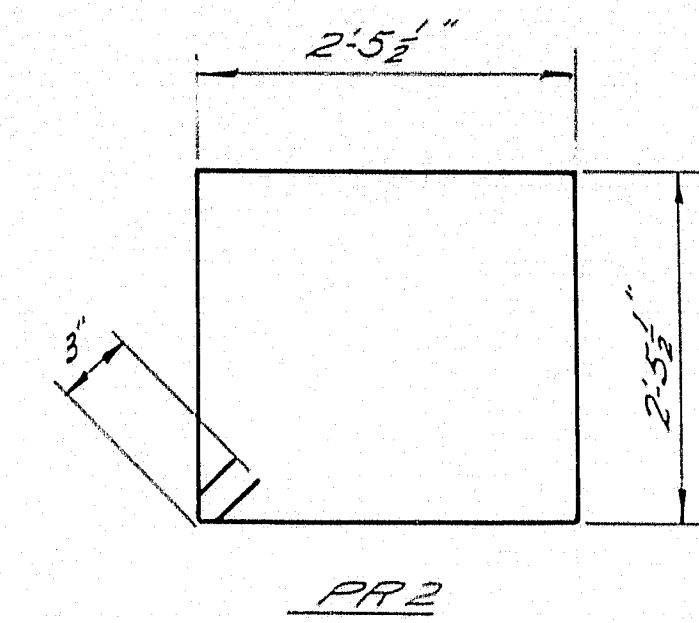
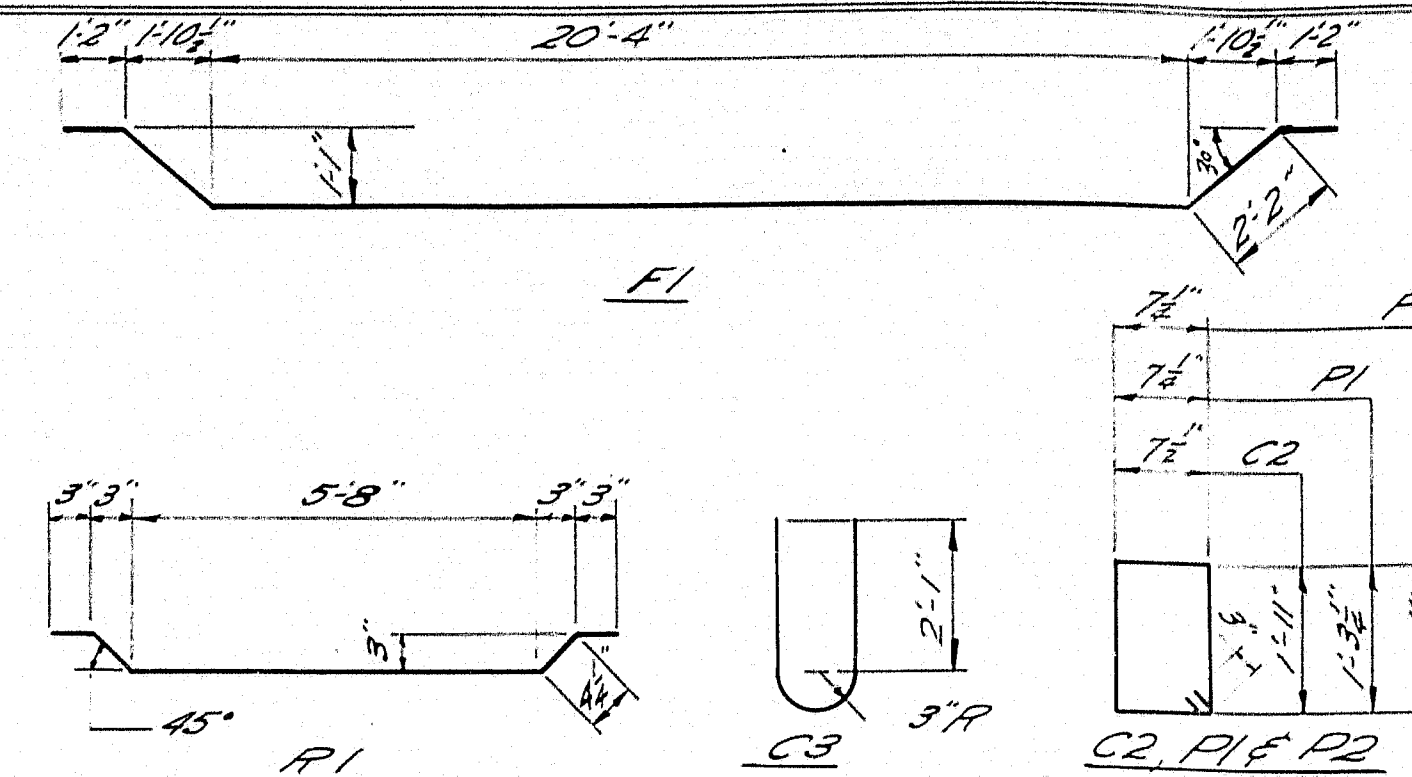
DESIGN - HLD	BRIDGE NO. 5697
TRACE - LHM	SURVEY -
CHECK - JHM	PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
STEVENS BRIDGE
OVER
MILL BROOK
IN THE TOWN OF
FRYEBURG
OXFORD COUNTY
ABUTMENTS
SHEET 4 OF 6 AUGUSTA, MAINE APRIL 1962

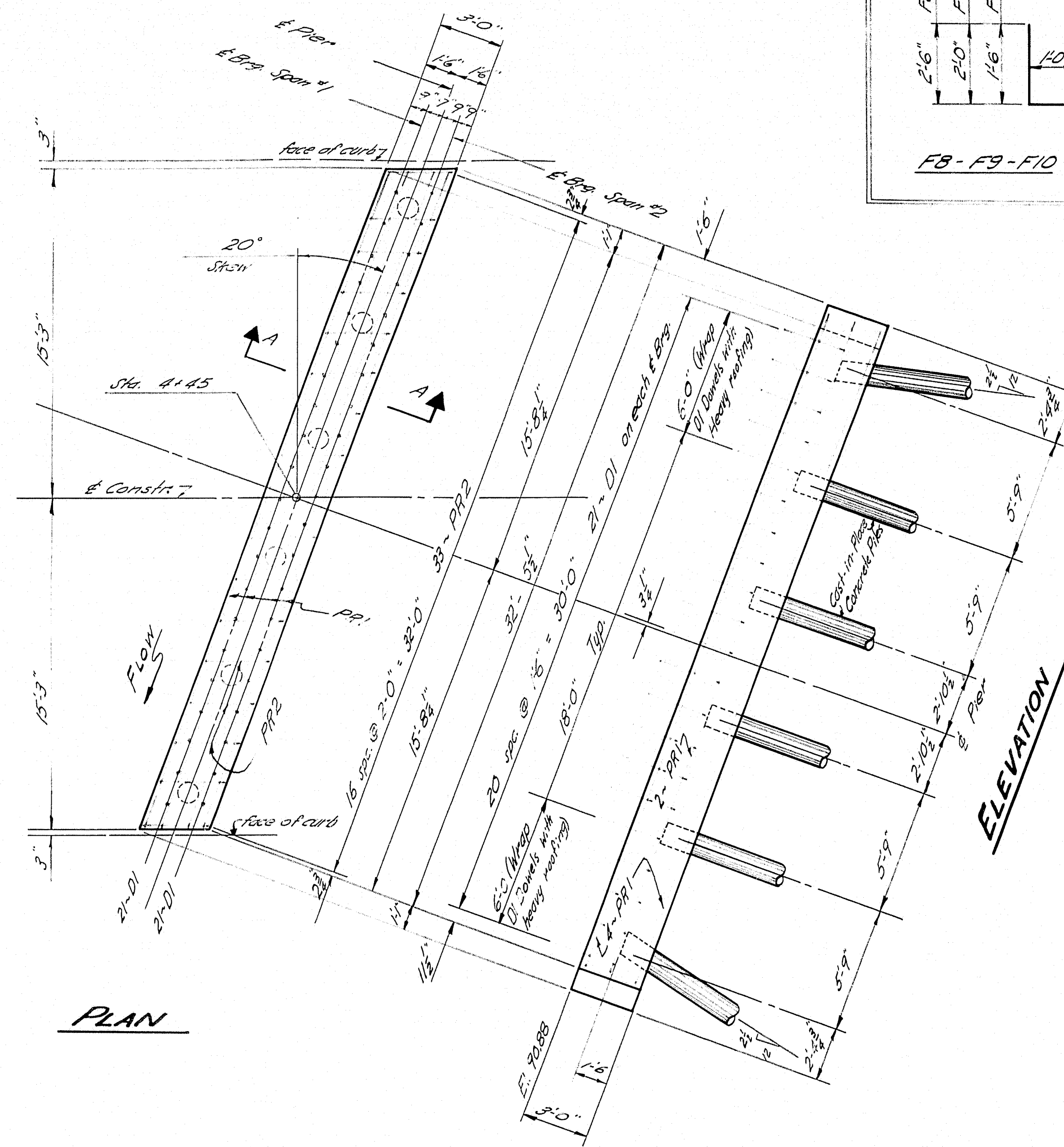
REINFORCING STEEL SCHEDULE

SUPERSTRUCTURE

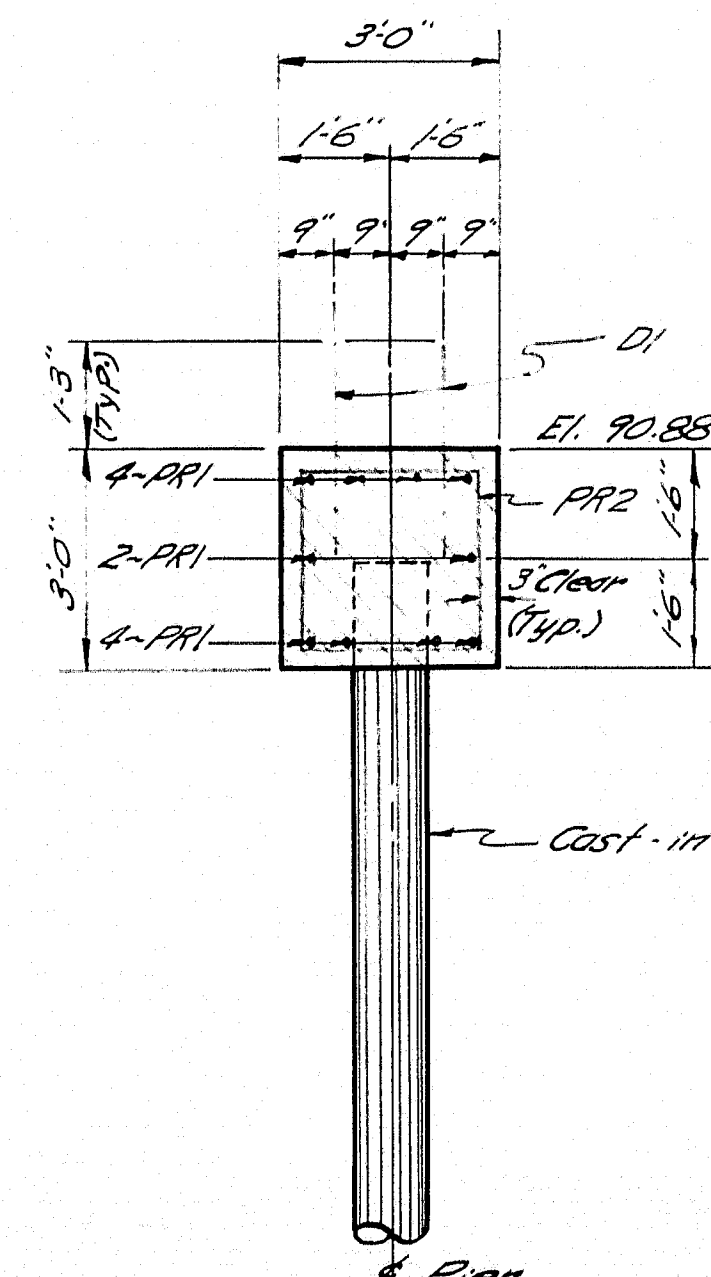
ABUTMENTS & PIER



Bent Bars					Straight Bars				
Mark	Size	Length	Number	Location	Mark	Size	Length	Number	Location
F1	#9	27'-0"	65	Main Slab steel both spans	PR2	#4	10'-4"	33	Pier Cap
C2	4	5'-7"	76	Curbs					
C3	6	4'-11 1/2"	32	Posts to Curbs					
P1	4	4'-3"	12	Posts					
P2	4	3'-3"	36	"					
P1	5	6'-10 1/2"	28	Rail Bars					



ELEVATION



SECTION A-A

PIER

PILE NOTES

1. Six cast-in-place concrete piles required.
2. Max. pile load = 30 tons.
3. Estimated pile length = 50 ft.
4. Cut-off Elevation = 89.20
5. See "Pile Notes" at #4 for length of piles to be ordered

SPECIFICATION

Design Specification: A.A.S.H.O. Standard Specification for Highway Bridges, 1961

Loading: H20-44, $f_s = 20,000$ p.s.i., $f_c = 4,200$ p.s.i., $n = 10$.

Contract Specification: State of Maine, State Highway Commission Standard Specifications, Revision of January 1956, & Supplemental Specifications, February 1960.

CONCRETE CLASSIFICATION

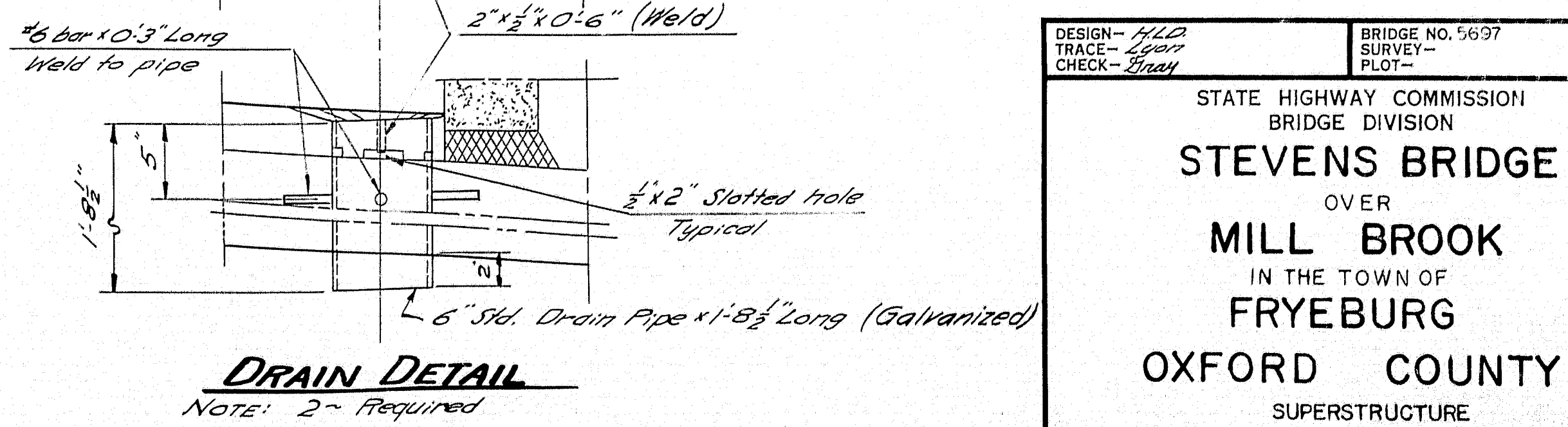
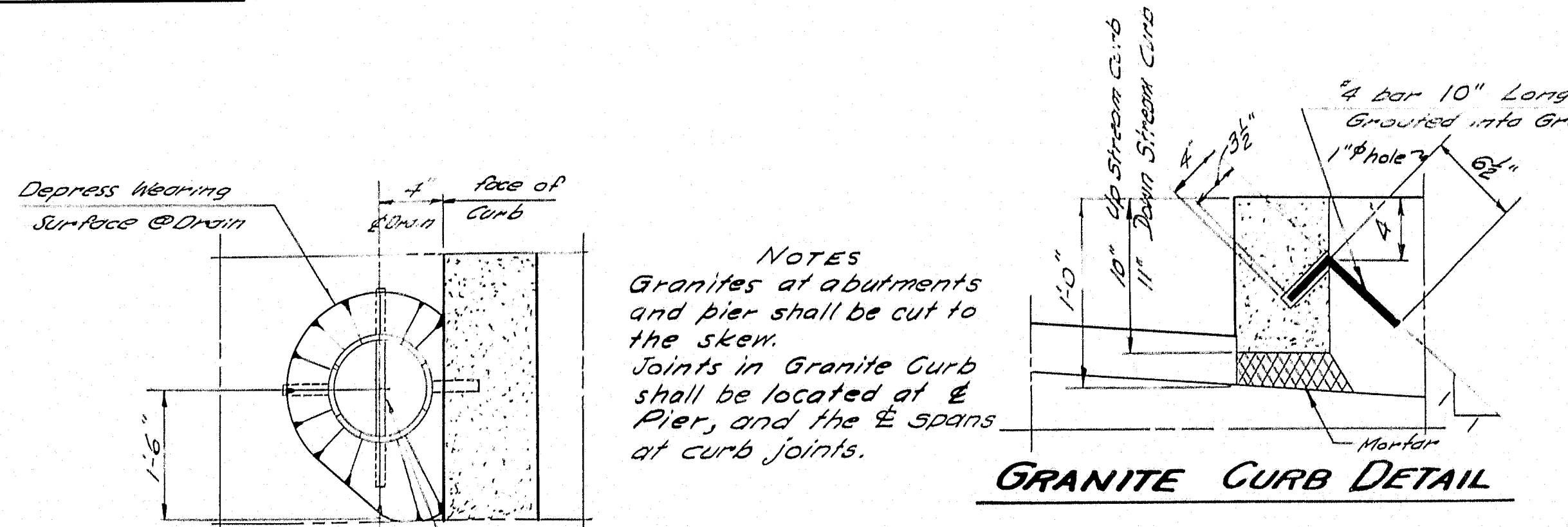
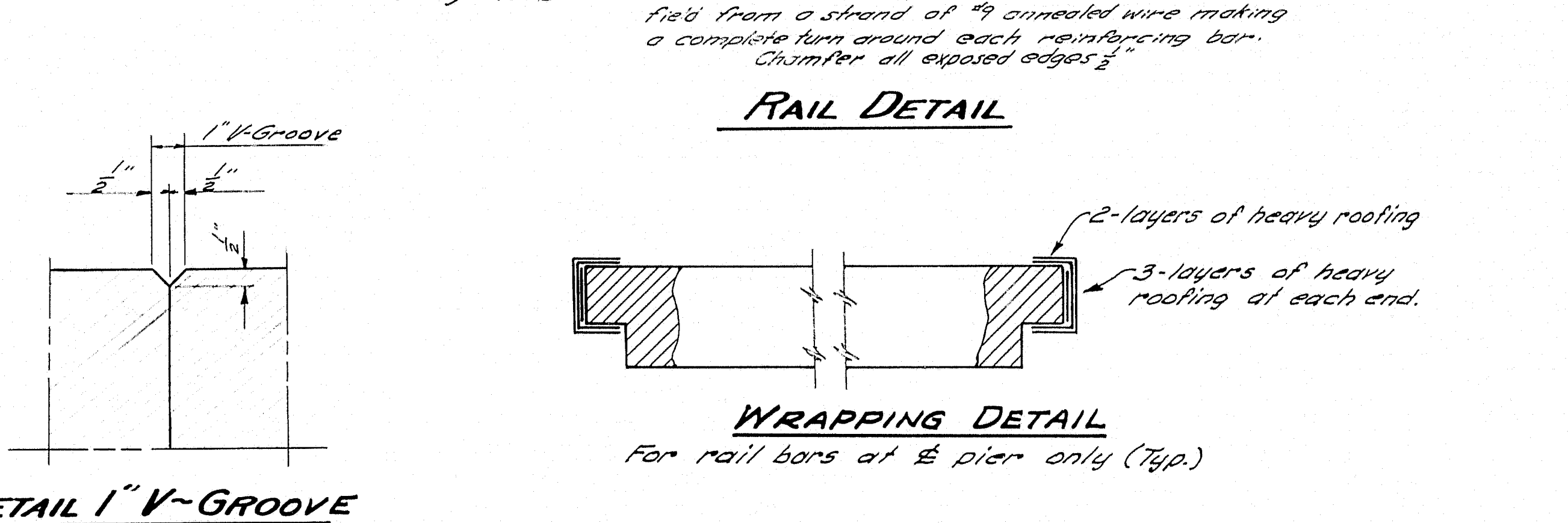
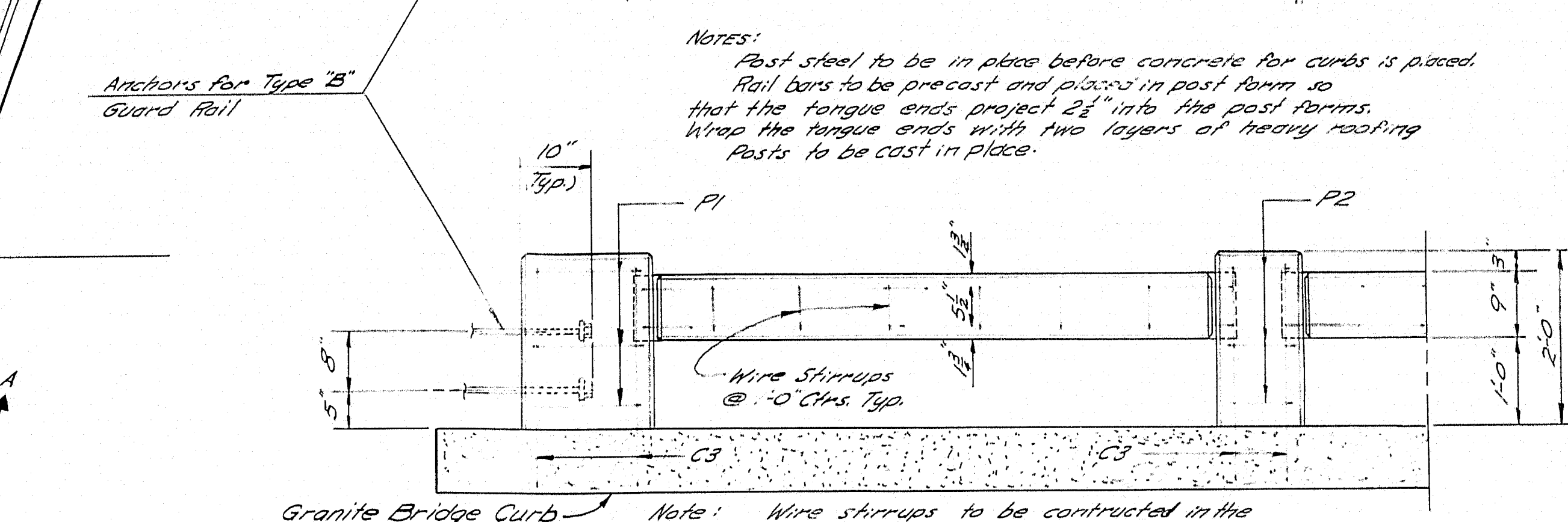
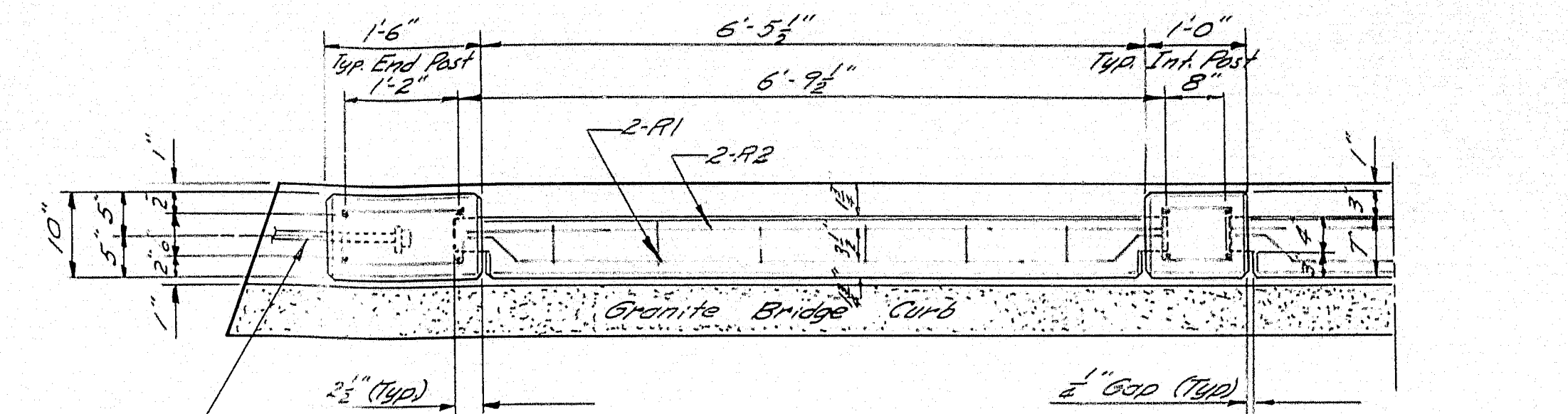
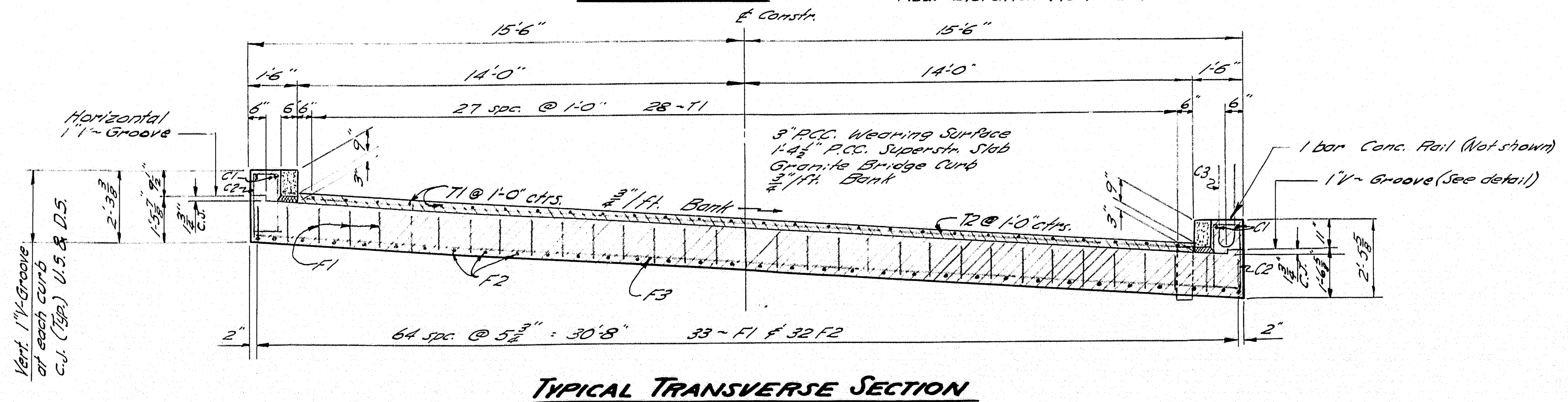
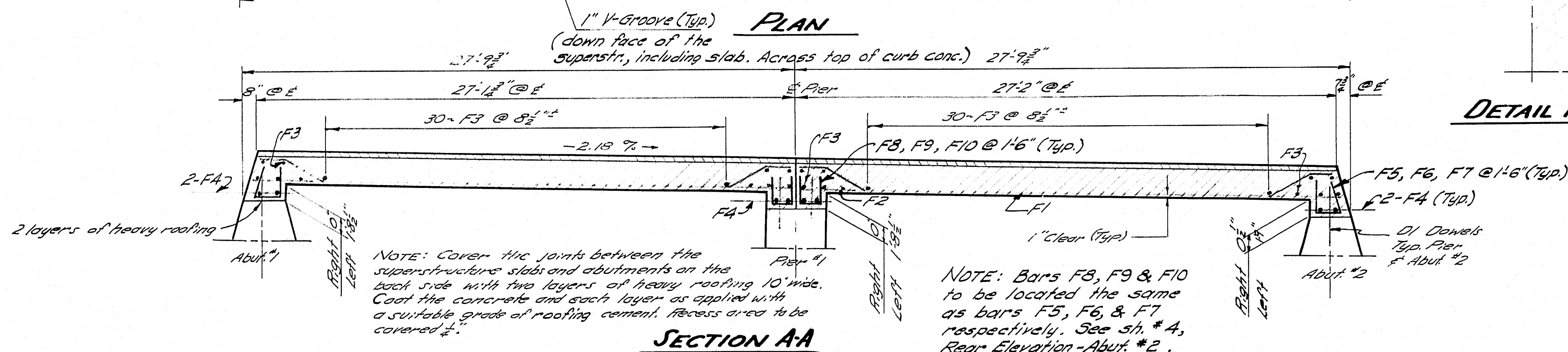
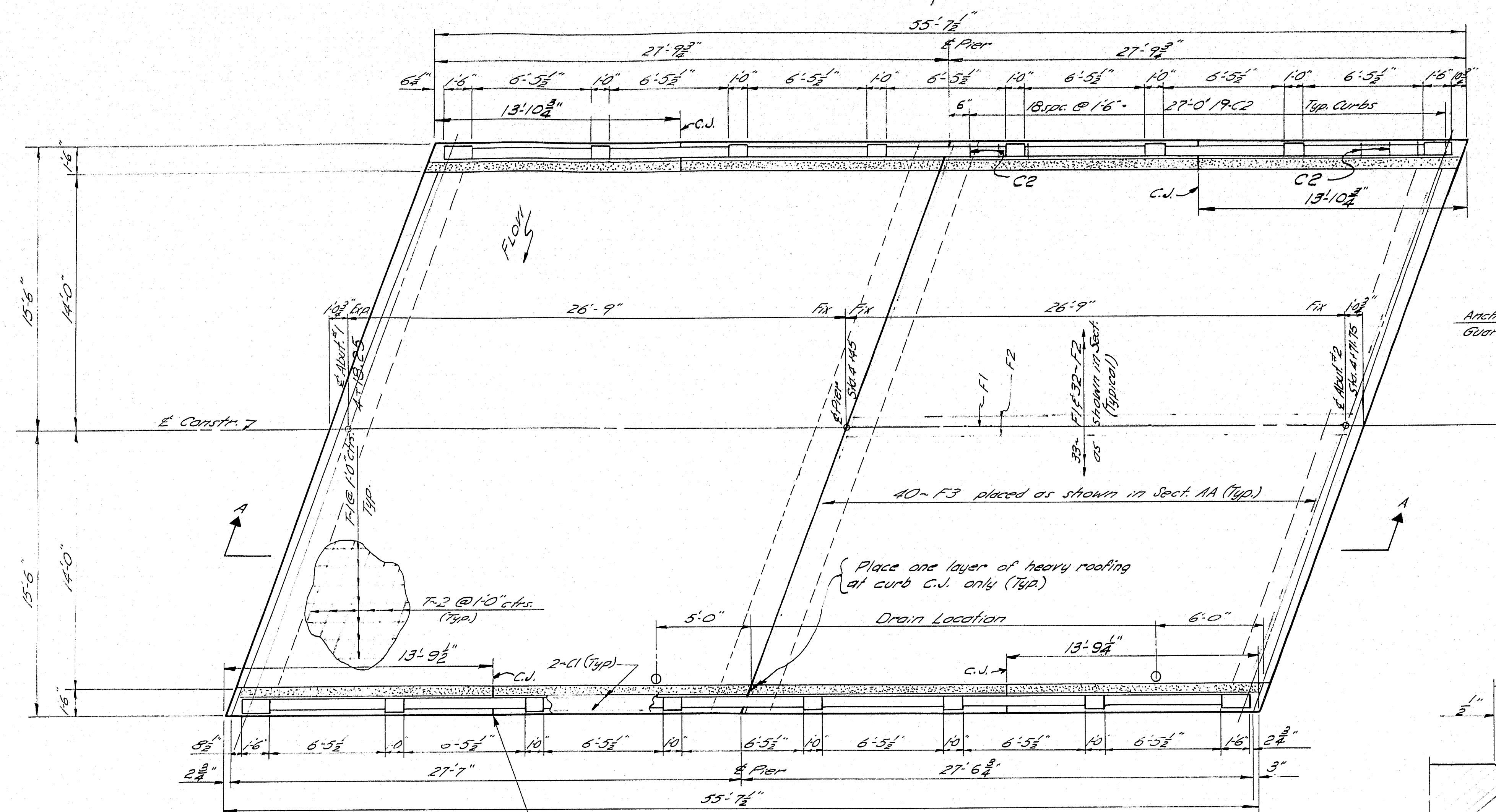
Abutments ----- Class "B"

Rails ----- Class "Y"

All Other ----- Class "A"

DESIGN - <i>Don't</i>	BRIDGE NO. 5697
TRACE - <i>Don't</i>	SURVEY - <i>Don't</i>
CHECK - <i>Don't</i>	PLOT - <i>Don't</i>
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
STEVENS BRIDGE	
OVER	
MILL BROOK	
IN THE TOWN OF	
FRYEBURG	
OXFORD COUNTY	
PIER	
SHEET 5 OF 6	AUGUSTA, MAINE APRIL 1962

84-197



DESIGN - HLD
TRACE - LHM
CHECK - SHM

BRIDGE NO. 5697
SURVEY -
PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
STEVENS BRIDGE
OVER
MILL BROOK
IN THE TOWN OF
FRYEBURG
OXFORD COUNTY
SUPERSTRUCTURE
SHEET 6 OF 6 AUGUSTA, MAINE APRIL 1962

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