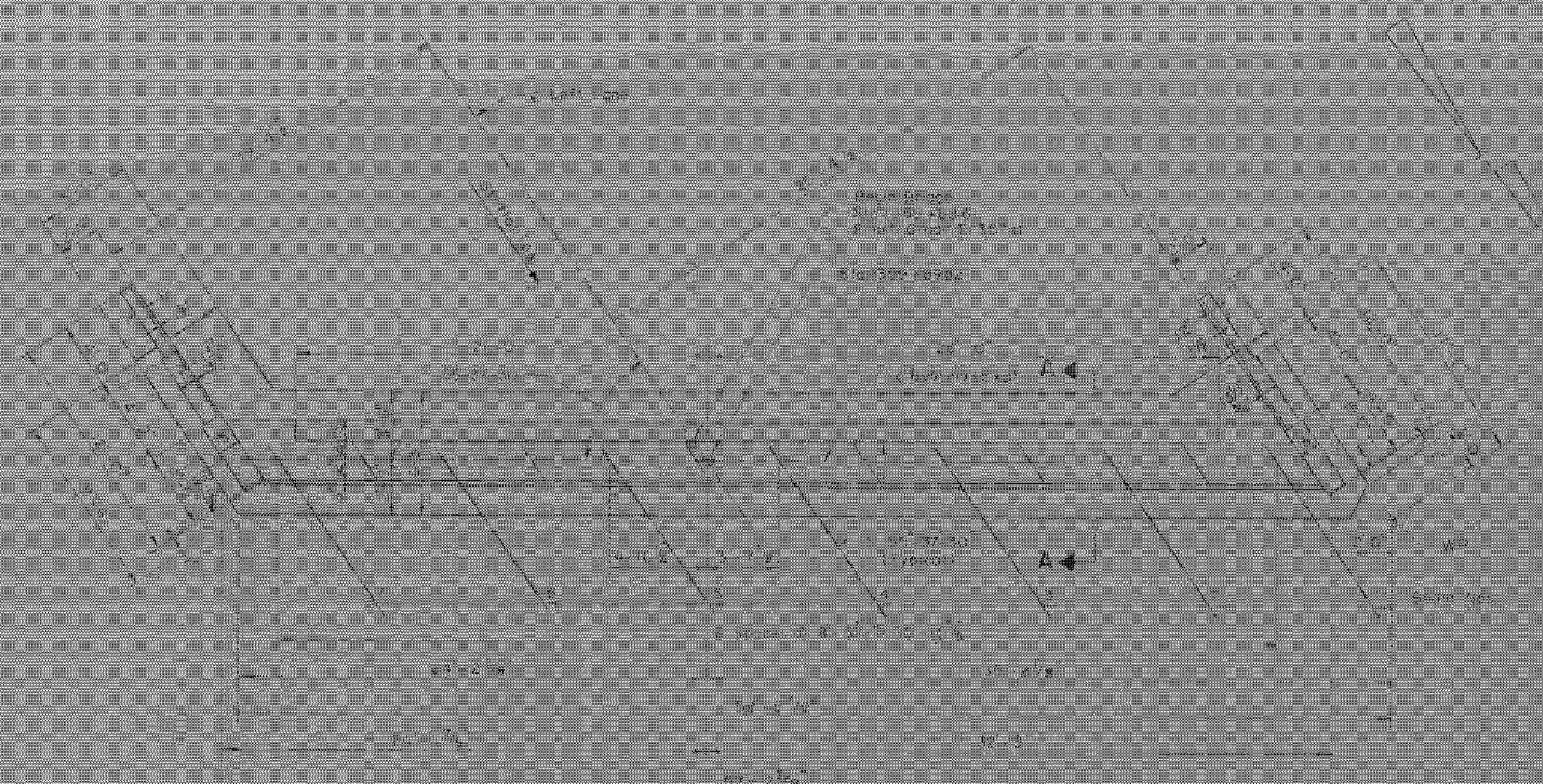
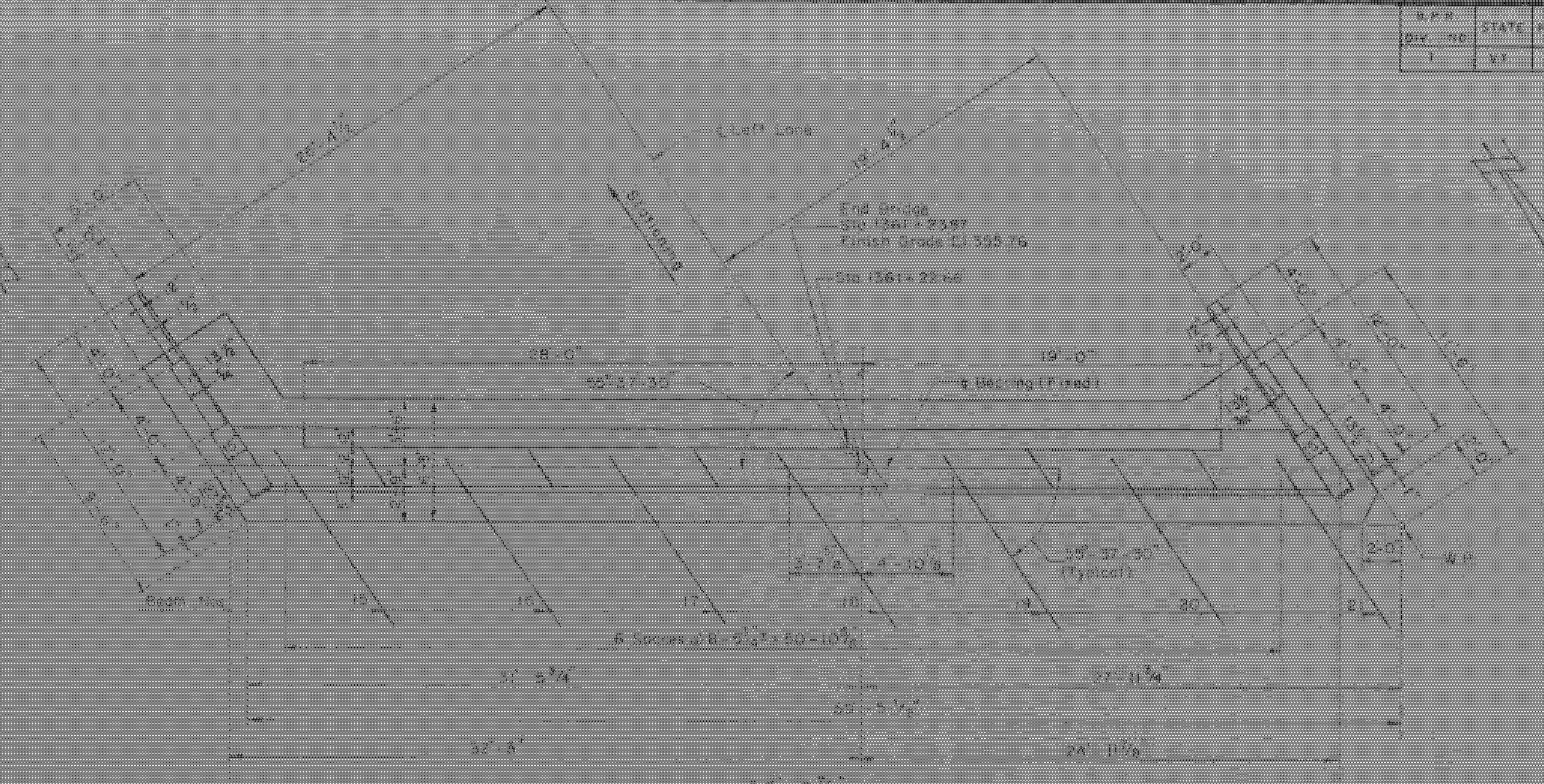


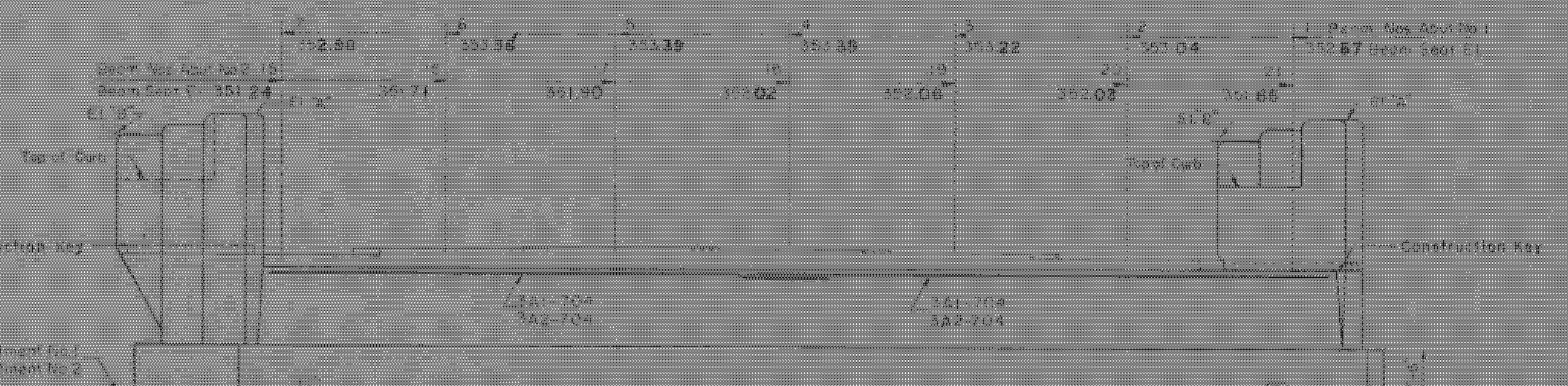
APP. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
193	VT	I-91-1(11)	193	255



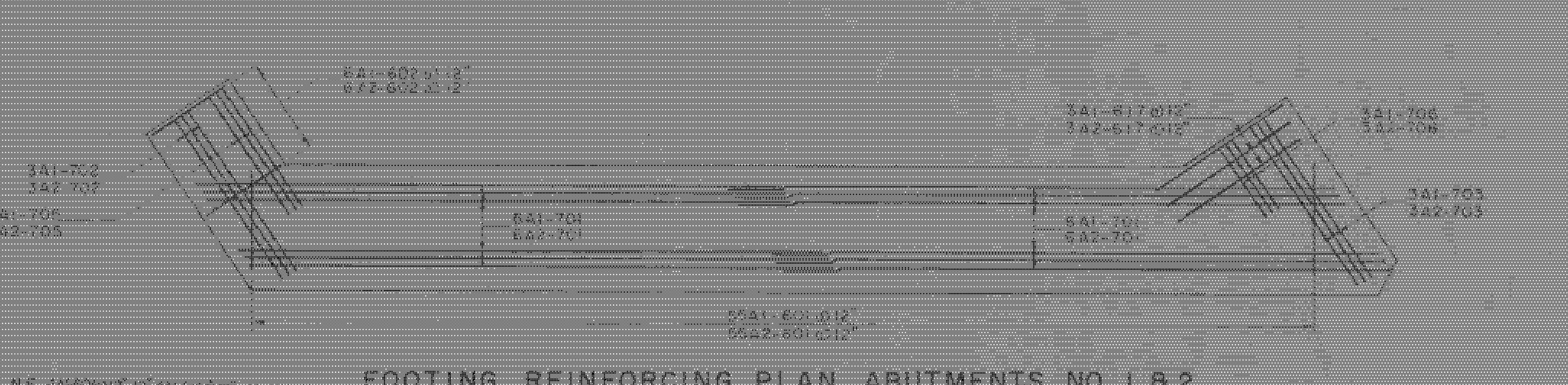
PLAN ABUTMENT NO. 1
SCALE: 1/8" = 1'-0"



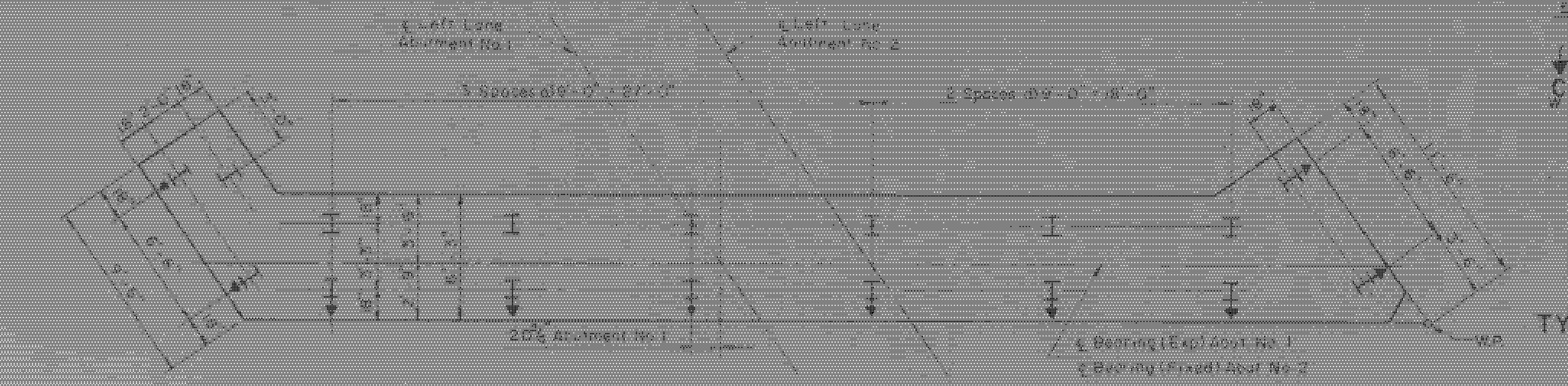
PLAN ABUTMENT NO. 2
SCALE: 1/8" = 1'-0"



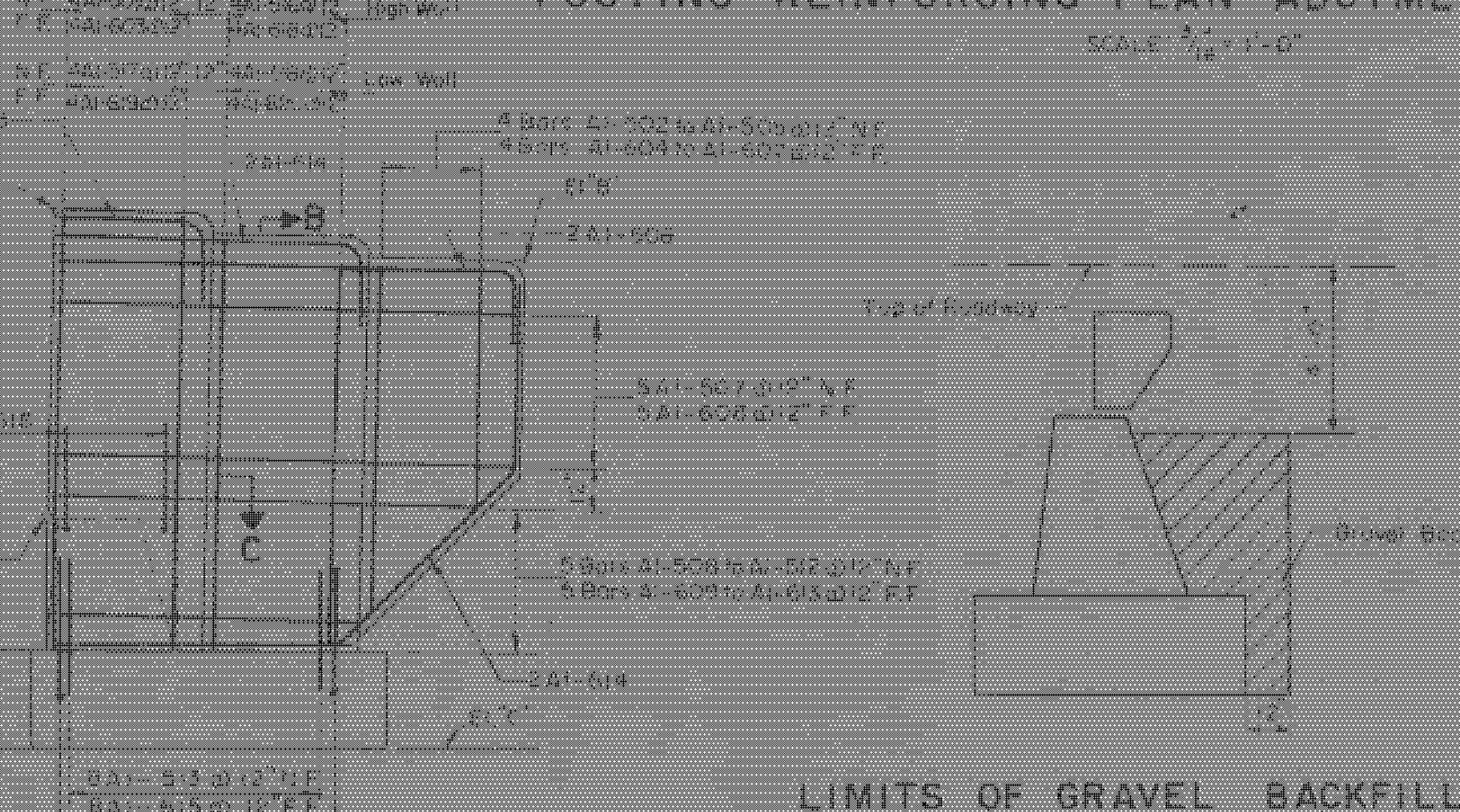
ELEVATION ABUTMENT NO. 1
ELEVATION ABUTMENT NO. 2 (SIMILAR UNLESS NOTED OTHERWISE)
SCALE: 1/4" = 1'-0"



FOOTING REINFORCING PLAN ABUTMENTS NO. 1 & 2
SCALE: 1/8" = 1'-0"



TYPICAL WINGWALL REINFORCING
SCALE: 1/4" = 1'-0"



LIMITS OF GRAVEL BACKFILL
No Scale

- 1. Beam seat elevations are to top of concrete.
- 2. For Section A-A, B-B and C-C see sheet No. 194.
- 3. For typical elevation of wingwall see sheet No. 194.
- 4. For top of wingwall elevations see schedule this sheet.
- 5. Steel piles to be 10B9 - 42, Item 504, 35Ton design load. Vertical piles indicated thus: ↓. Batter piles indicated thus: ↘.
- 6. For estimating purposes the length of steel piles of all abutments assumed to be 47'-0" long.
- 7. Prior to driving piles, rock free fill shall be placed under the abutment to approximately the pile cut-off elevation and with a surface area at least 100 sq. ft. outside the abutment area. After the piles are driven the fill shall be extended to the elevation of the bottom of footing.
- 8. A layer of Sub-Base of Crushed Rock (Item 254 (Mod)) 12" thick shall be placed on the embankment 17'-0" wide in front of the abutment the edges of the area to be in line with the end posts and parallel to C-Construction Interstate.
- 9. Slope area between bridge seats 1/2" per foot. Entire exposed top surface of the bridge seats to be covered with 2" Asphaltic - Asbestos coating after superstructure is in place.
- 10. Reinforcing Id. Abutment No. 2 to be prefixed 22.

PILE PLAN ABUTMENTS NO. 1 & 2
SCALE: 1/8" = 1'-0"

ABUTMENT NO.	Elev. A	Elev. B	Elev. C
East Wingwall	361.06	350.18	348.63
West Wingwall	360.62	359.74	348.65
ABUTMENT NO. 2	Elev. A	Elev. B	Elev. C
East Wingwall	359.76	358.64	345.32
West Wingwall	359.32	358.20	345.32

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	ABUTMENT NO. 1		ABUTMENT NO. 2	
			NET	OVER-RUN TOTAL	NET	OVER-RUN TOTAL
107	Structure Excavation	C.Y.	217	25	24	20
204	Sub-Base of Crushed Rock (Mod.)	C.Y.	757	14	67	10
223	Gravel Backfill	C.Y.	304	8	387	10
401-B	Concrete Class B (Mod.)	C.Y.	262	26	28	18
402	Reinforcing Steel	LBS.	See Reinforcing Schedule Sheet No. 202			
407	Asphaltic-Asbestos Coating	S.Y.	42	1	42	0
504	Steel Piling	L.F.	799	237	799	1007

IR-DECK (26)
BR 18 N & S
THIS SHEET FOR
INFORMATION ONLY
ABUTMENTS NO. 1 AND 2

STATE OF WESTMINSTER - NORWICH
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT NO. 1360 + 29.28
WESTMINSTER
STA. 2 + 36.51
THE CLARKESON ENGINEERING CO. INC.
CONSULTING ENGINEERS
BOSTON, MASSACHUSETTS
DRAWN BY: J.E. CHASE
CHECKED BY: J.E. CHASE
PROJECT NO. I-91-1(11) SHEET 193 OF 255