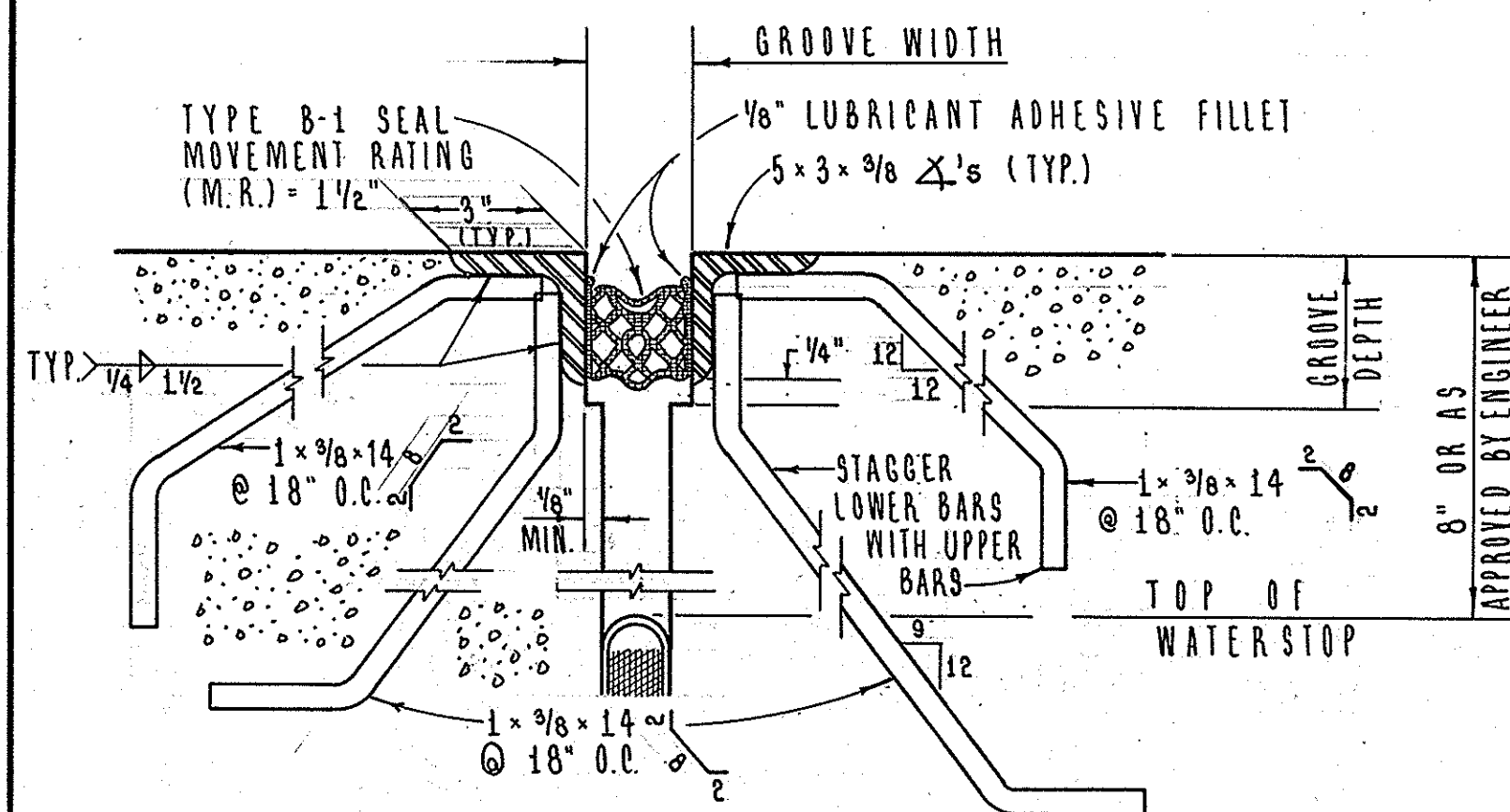
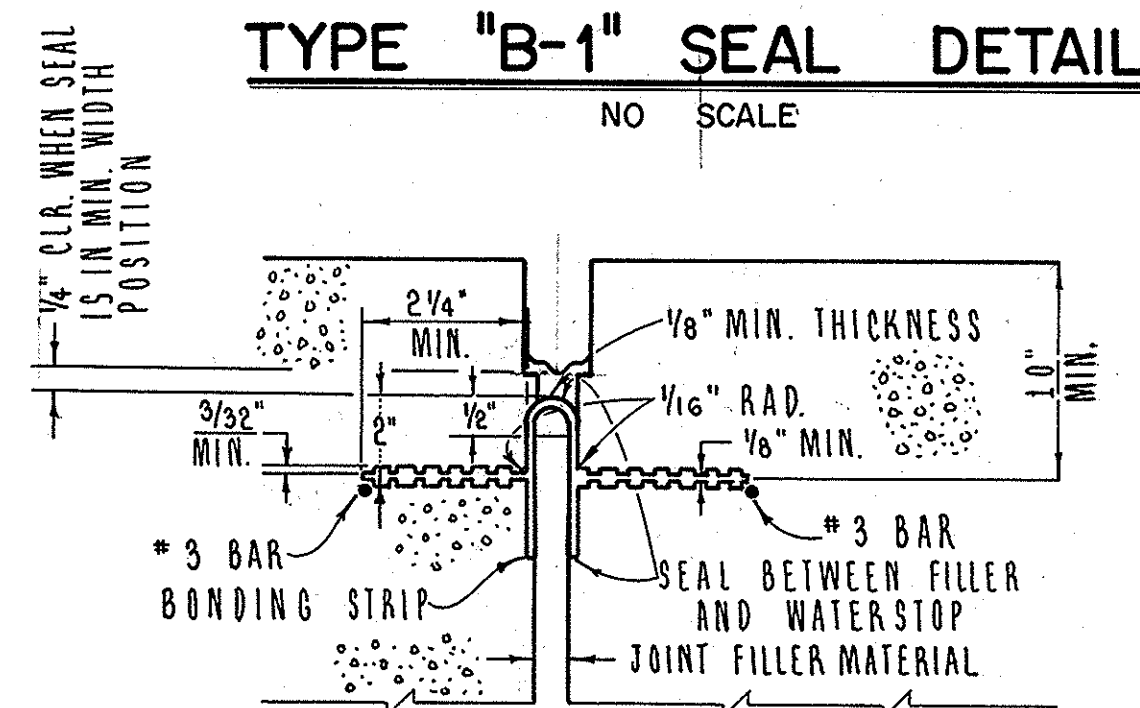




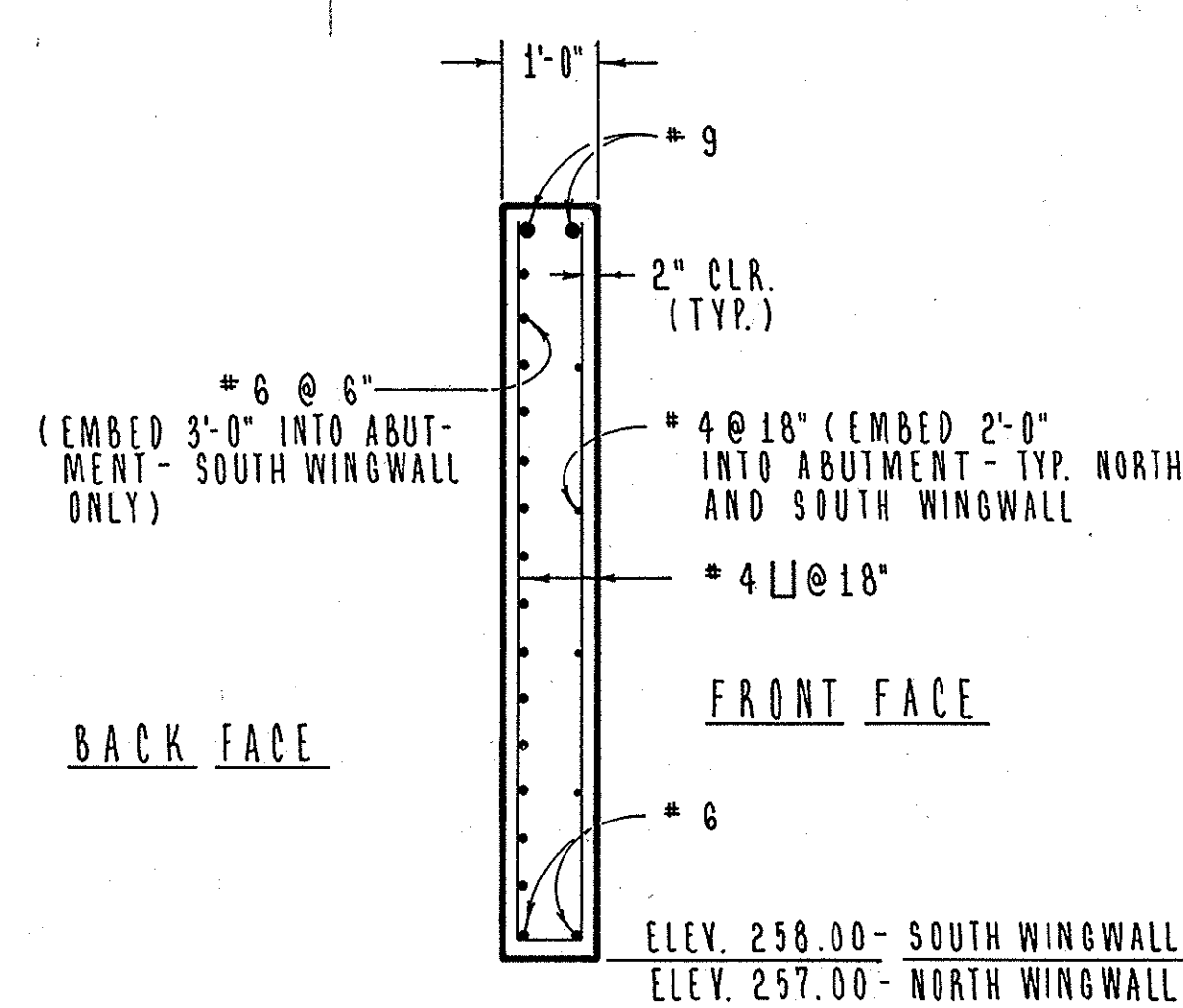
NOTES:

1. FORMED GROOVE WIDTH SHALL BE ORDERED BY THE ENGINEER.
2. FORMED GROOVE DEPTH SHALL BE EQUAL TO OR GREATER THAN THE DEPTH OF THE SEAL MEASURED ALONG THE CONTACT SURFACE, WHEN COMPRESSED TO MINIMUM WIDTH POSITION, PLUS 1/2"
3. MAKE SMOOTH CUTS FROM THE BOTTOM OF SEAL TO 1 1/2" CLEAR OF TOP LEAVING AT LEAST ONE COMPLETE CELL BETWEEN THE TOP OF THE CUT AND THE TOP OF THE SEAL. WHEN NECESSARY CUT BACK OF SEAL TO CLEAR CONDUIT.
4. OPENING IN RAIL AND SIDEWALK TO BE CONSTRUCTED TO THE EXISTING WIDTH OF DECK JOINT.
5. M.R. (MOVEMENT RATING) = 1 1/2"



NOTE: WATERSTOP TO HAVE FIVE (5) OR MORE PAIRS OF RAISED RIBS TO PROVIDE 0.1 SQ. INCH MIN. RIB CROSS-SECTIONAL ON EACH HALF OF THE WATERSTOP. HEIGHT OF RIBS TO BE 3/32" MIN. HOLES WILL BE PERMITTED IN OUTER 1/2" OF THE WEB FOR WIRE, WEB, ETC. TIE WEB TO #3 BAR @ 12" MAX. TO SUPPORT THE WATERSTOP IN PROPER POSITION DURING CONC. PLACEMENT.

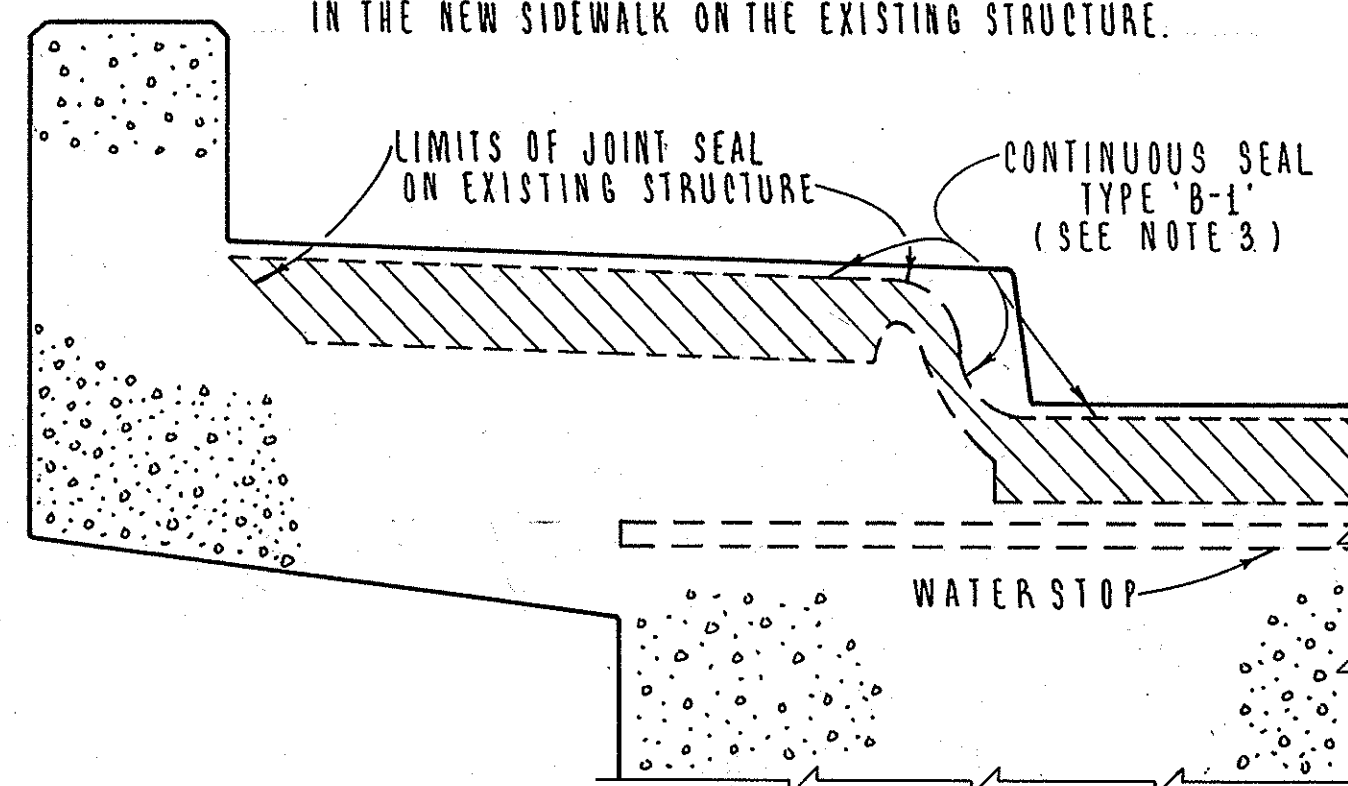
WATERSTOP DETAIL



SECTION D-D

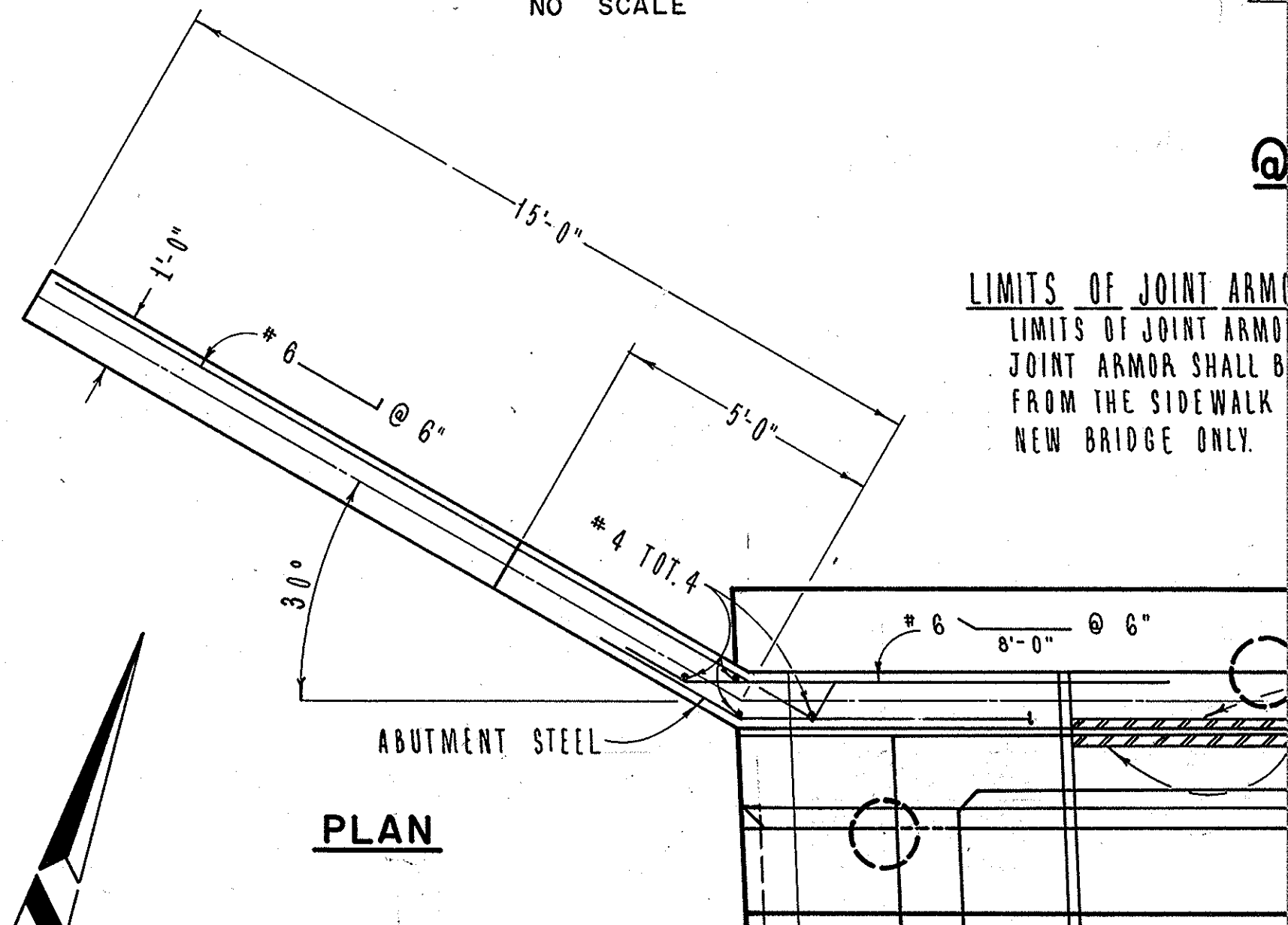
SCALE: 1/2" = 1'-0"

LIMITS OF JOINT SEAL AND WATERSTOP
JOINT SEAL AND WATERSTOP SHALL BE INSTALLED AT EACH ABUTMENT IN THE BRIDGE DECK AS SHOWN BELOW ON THE NEW STRUCTURE. JOINT SEAL ONLY, SHALL BE INSTALLED IN THE NEW SIDEWALK ON THE EXISTING STRUCTURE.



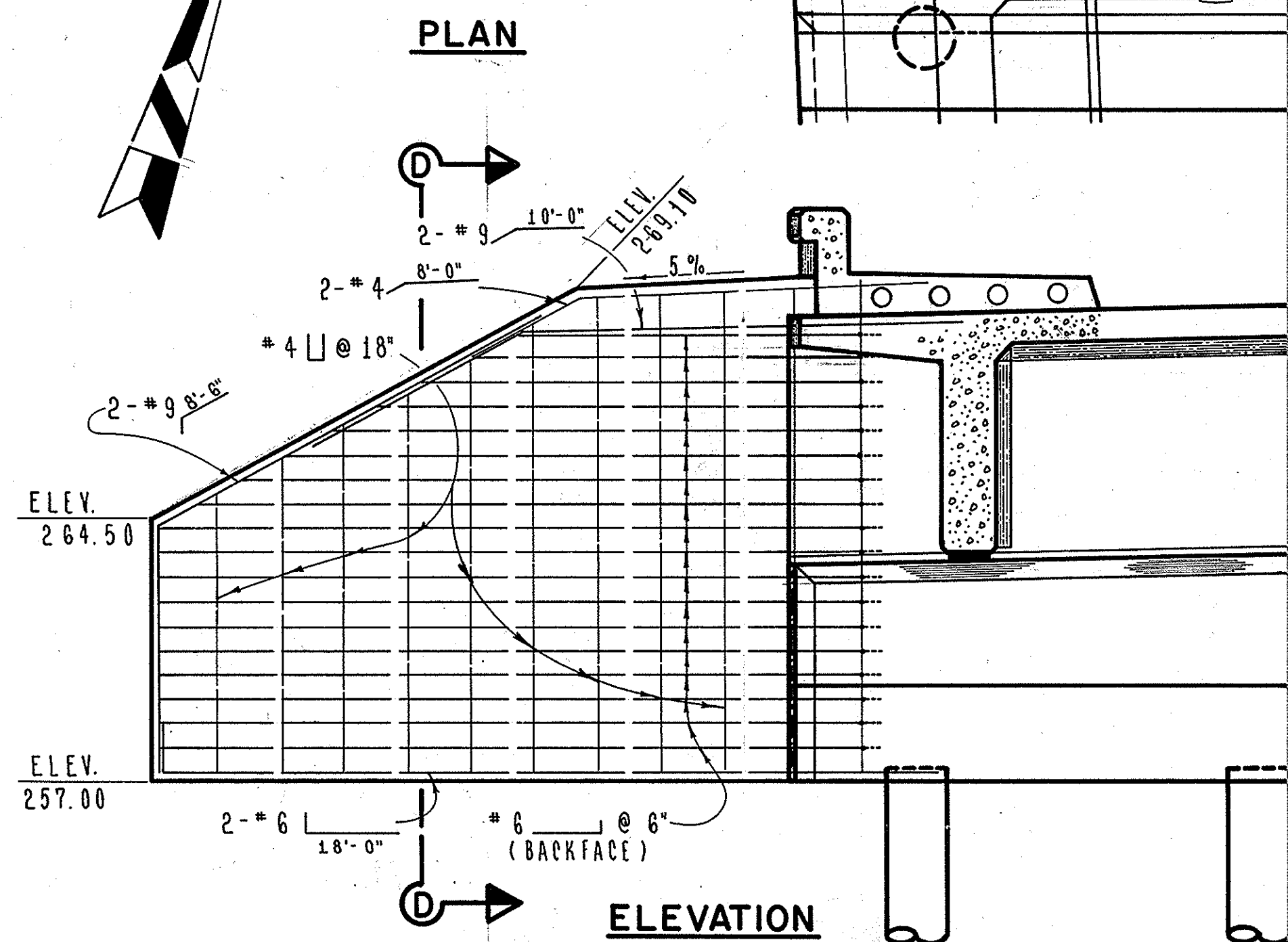
SIDEWALK JOINT SEAL DETAIL

NO SCALE



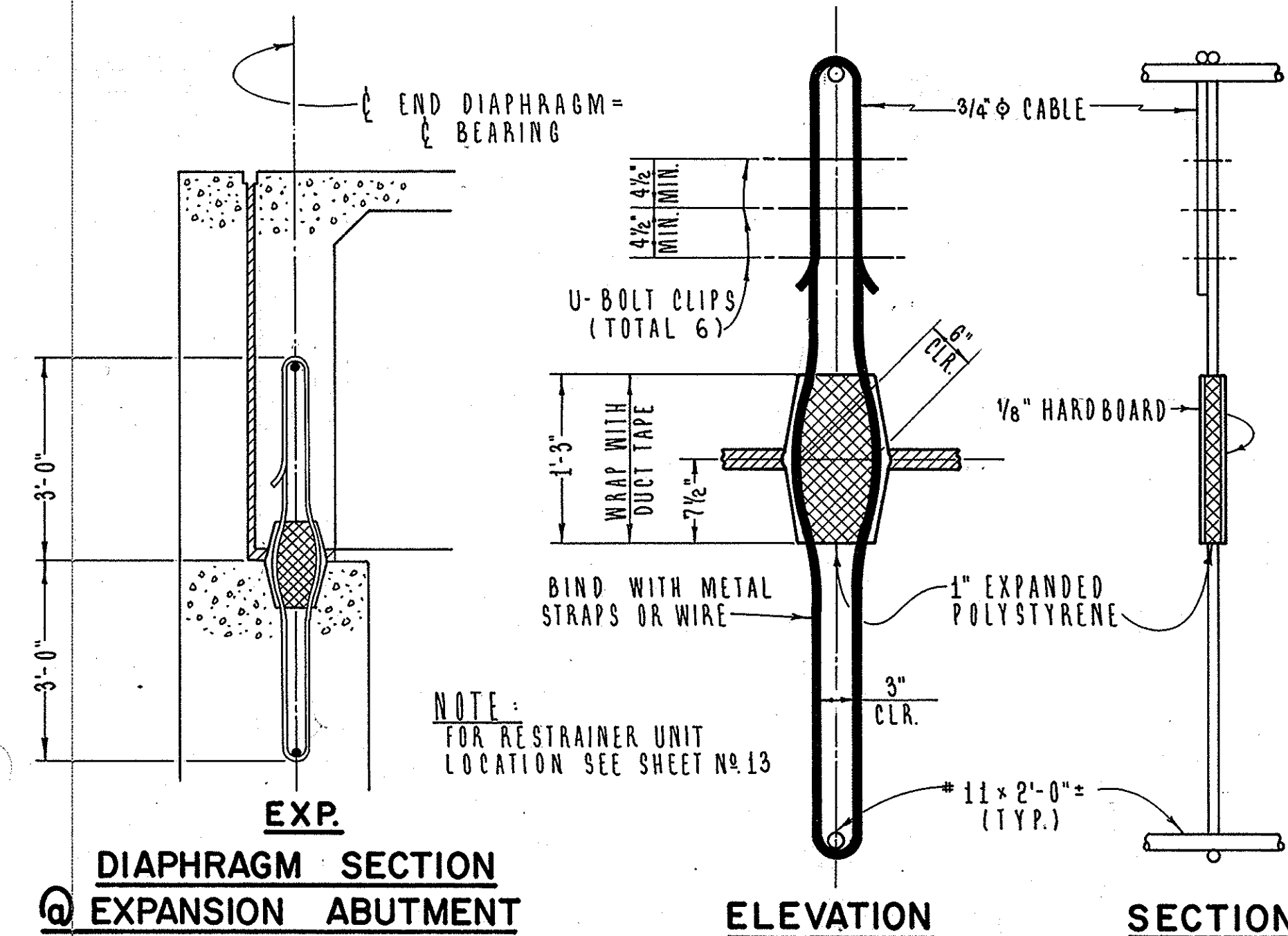
LIMITS OF JOINT ARMOR

LIMITS OF JOINT ARMOR ARE SHOWN THUS JOINT ARMOR SHALL BE INSTALLED AT EACH ABUTMENT FROM THE SIDEWALK TO THE EDGE OF DECK ON THE NEW BRIDGE ONLY.



NORTH WINGWALL - ABUTMENT No 1

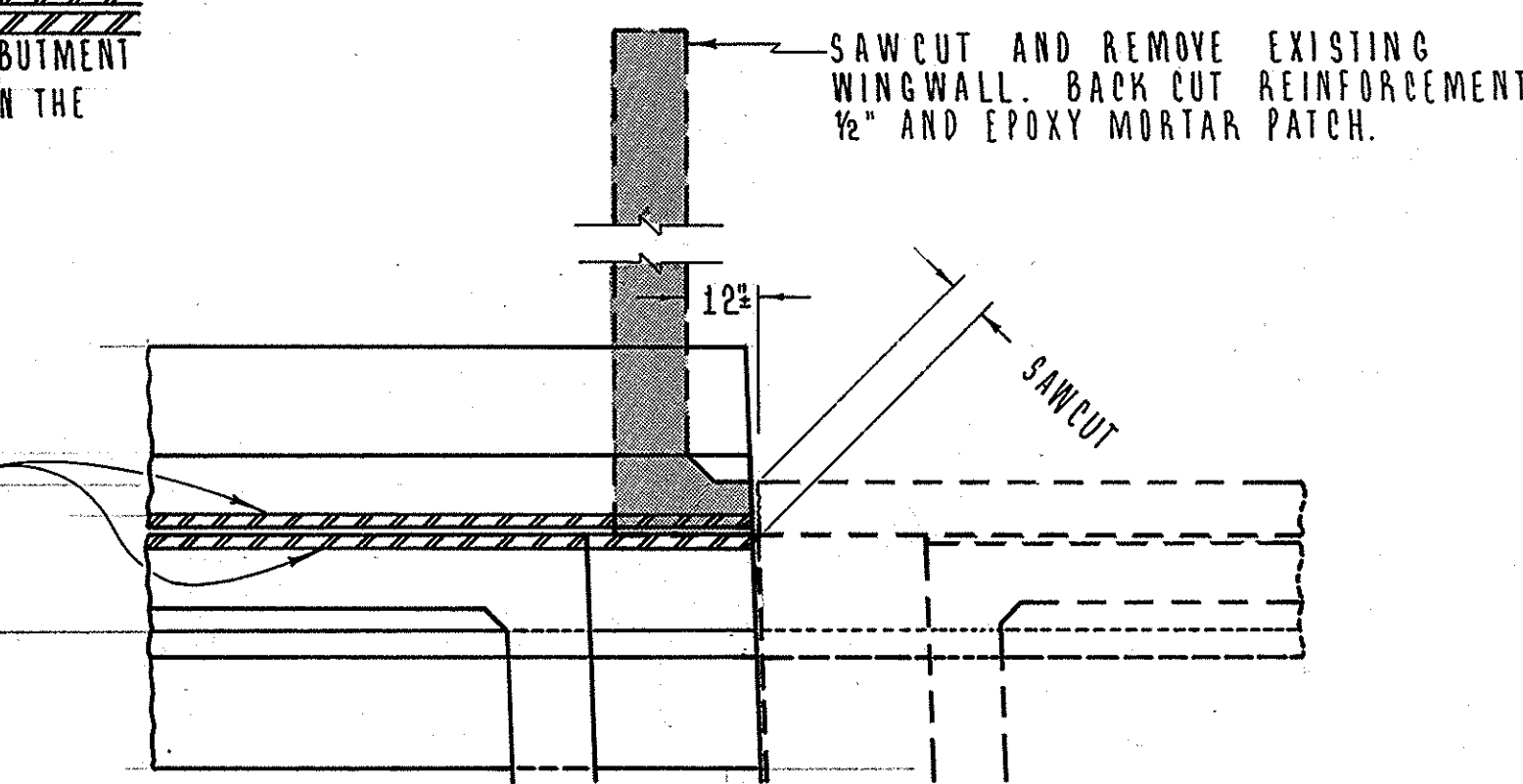
SCALE: 3/8" = 1'-0"



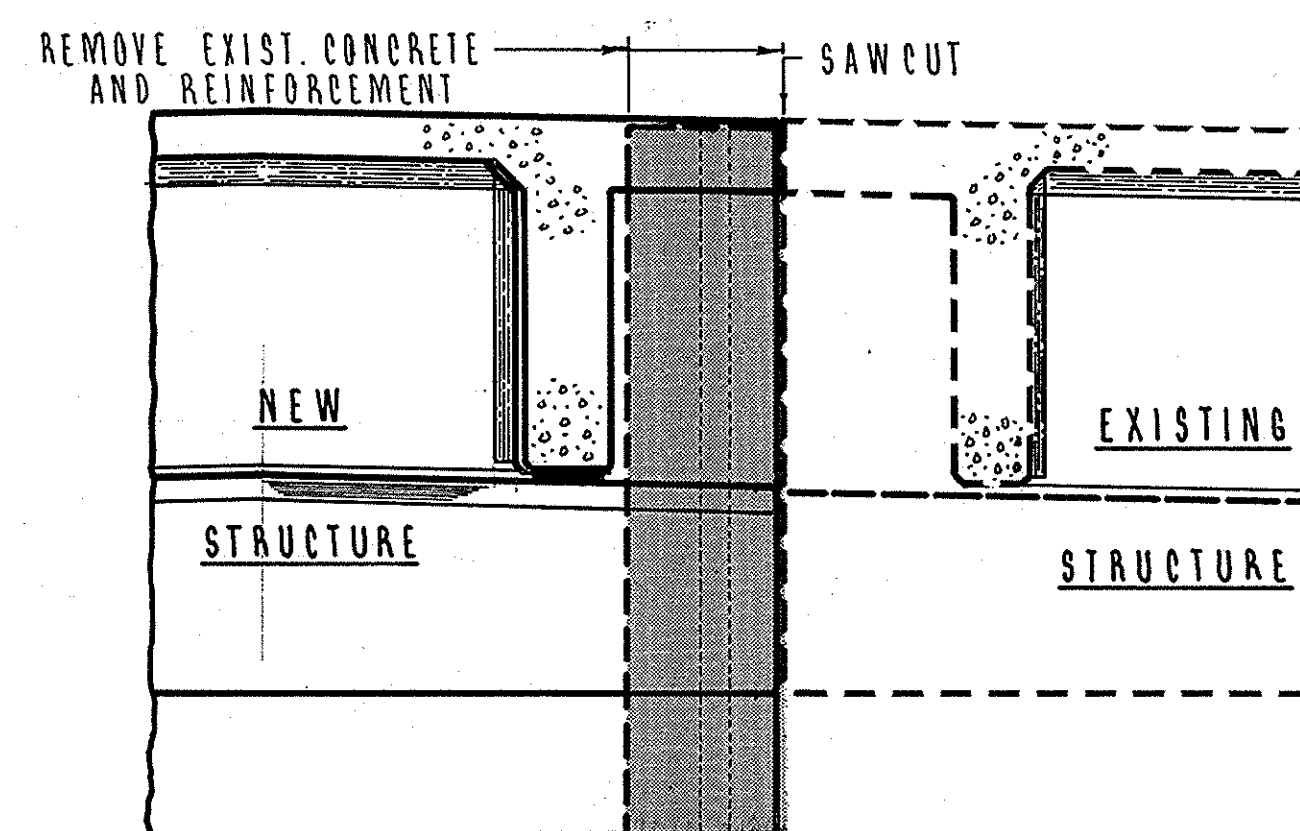
DIAPHRAGM SECTION @ EXPANSION ABUTMENT

VERTICAL RESTRAINER UNIT

NO SCALE



PLAN

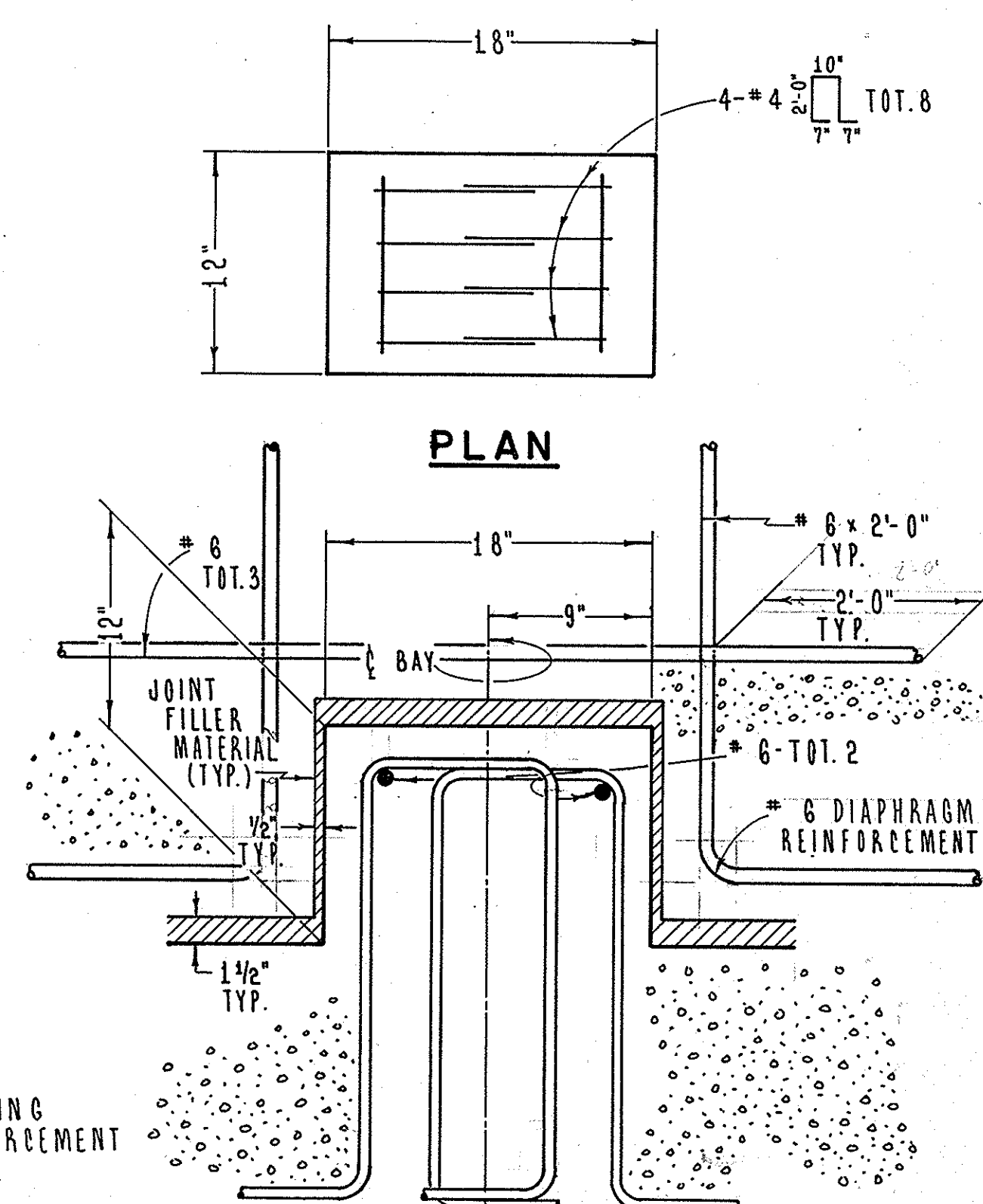


ELEVATION

LIMITS OF BRIDGE REMOVAL AT ABUTMENT No 1

NO SCALE

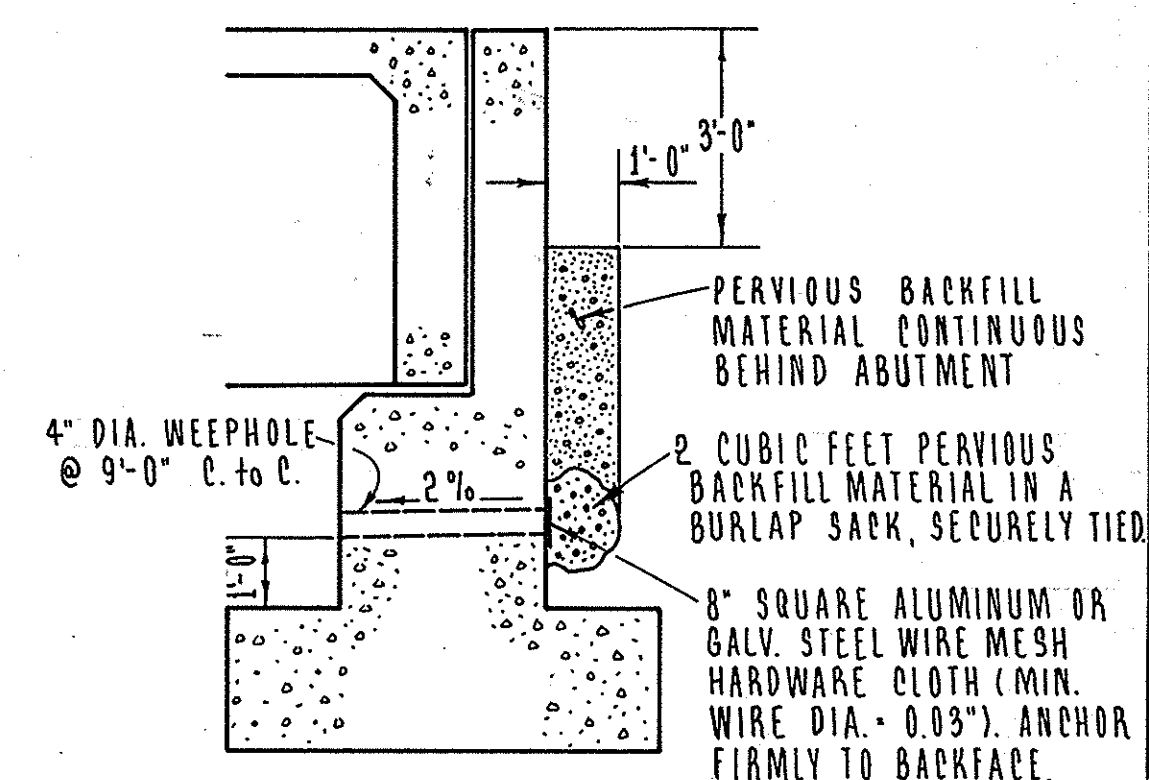
NOTE: FOR LIMITS OF BRIDGE REMOVAL AT ABUTMENT No 7 SEE SHEET No 13



ELEVATION

TRANSVERSE KEY DETAIL

NO SCALE



WEEP HOLE AND PERVIOUS BACKFILL DETAIL

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

1 1/2 0 1 2
3 inches on original drawing

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY			
LAKEVIEW AVE. BRIDGE (SA-6)			
WIDENING OVER SANTA ANA RIVER (EOI)			
ABUTMENT AND MISC. DETAILS			
MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF <i>M. A. Murphy</i> 3/78
REVISIONS			
DESIGNED	GENE W. FOSTER	SCALE	DATE
DRAWN	P. J. S.	CHECKED	DATE
SHEET 13 OF 22			

DR. # 10 (12730)