

SIDE ELEVATION

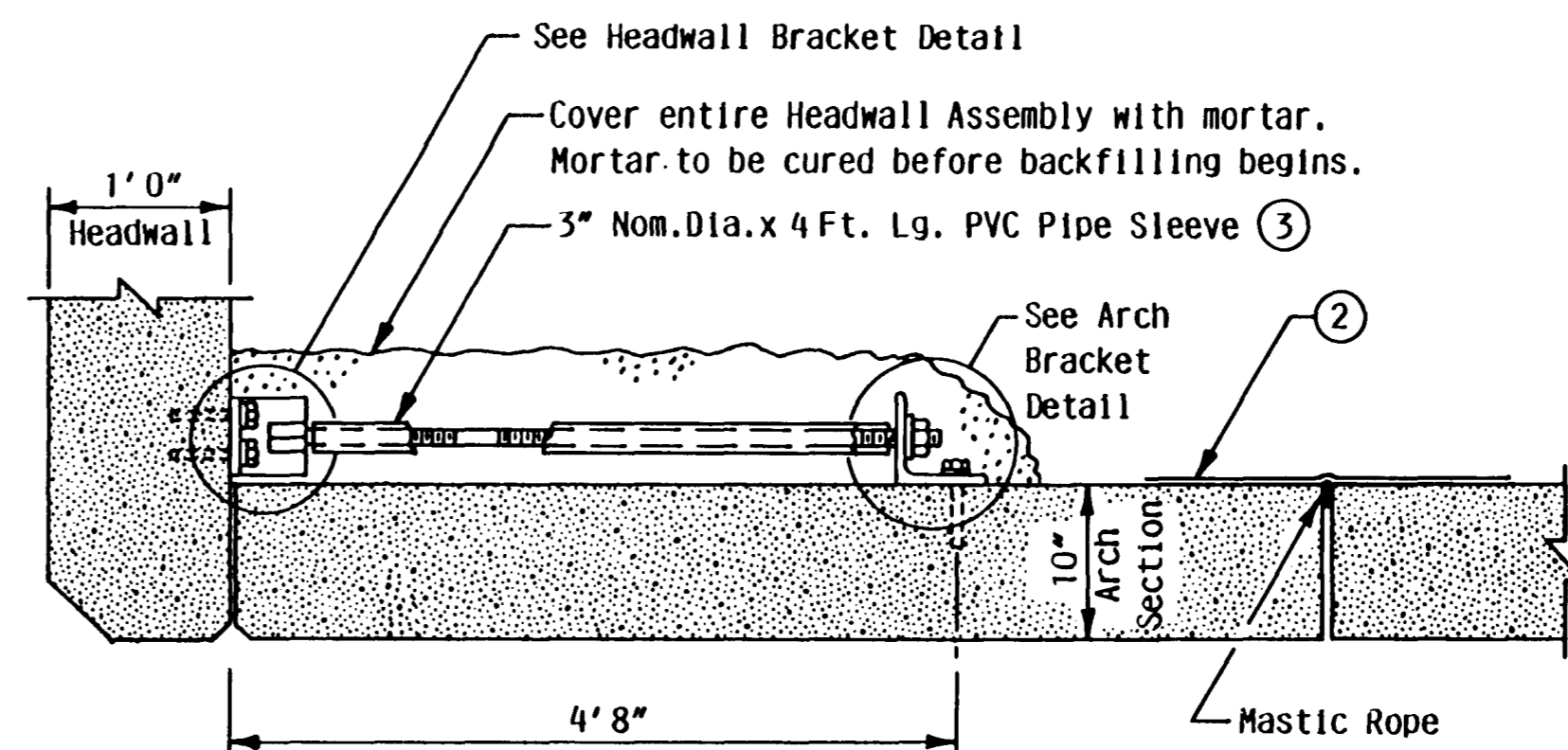
HALF END ELEVATION

ARCH ELEMENT

**** ARCH ELEMENT REINFORCEMENT TABLE**

SPAN	FILL HEIGHT (1'-6" TO 6'-0")				FILL HEIGHT			
	E1	E2	E3	E4	E1	E2	E3	E4
FT.	SIZE & MAX. SPS.	SIZE & MAX. SPS.	SIZE & MAX. SPS.	SIZE & MAX. SPS.	SIZE & MAX. SPS.	SIZE & MAX. SPS.	SIZE & MAX. SPS.	SIZE & MAX. SPS.
* 40'-3"	# 4 @ 9"	# 5 @ 6"	# 5 @ 6"	# 4 @ 6"				

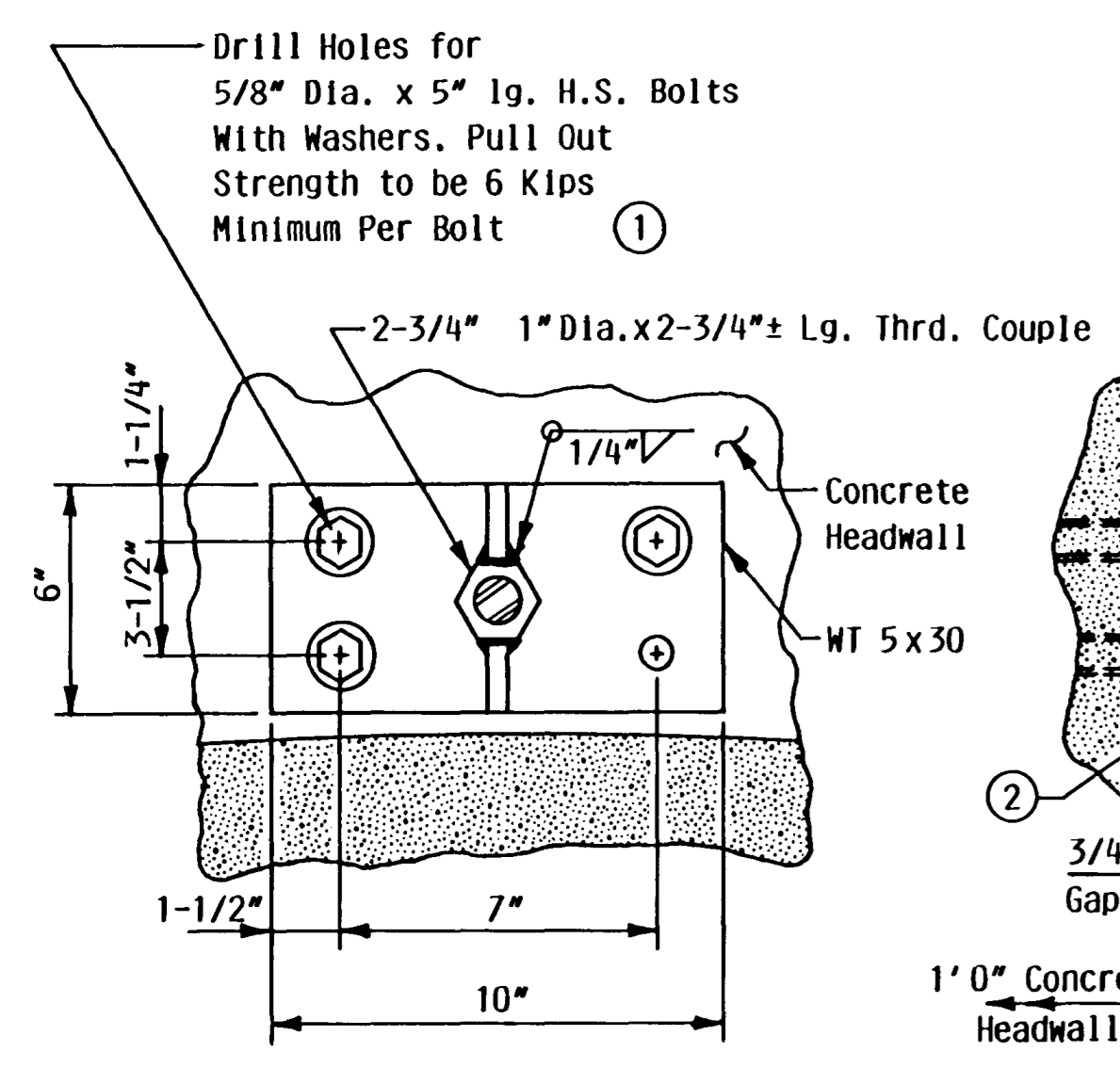
* IF 65,000 PSI. REINFORCING MESH IS USED, STEEL AREAS CAN BE REDUCED BY 8%
 ** QUANTITY AND LENGTH OF REINFORCEMENT TO BE SUBMITTED WITH SHOP DRAWINGS



HEADWALL & ARCH BRACKET ASSEMBLY

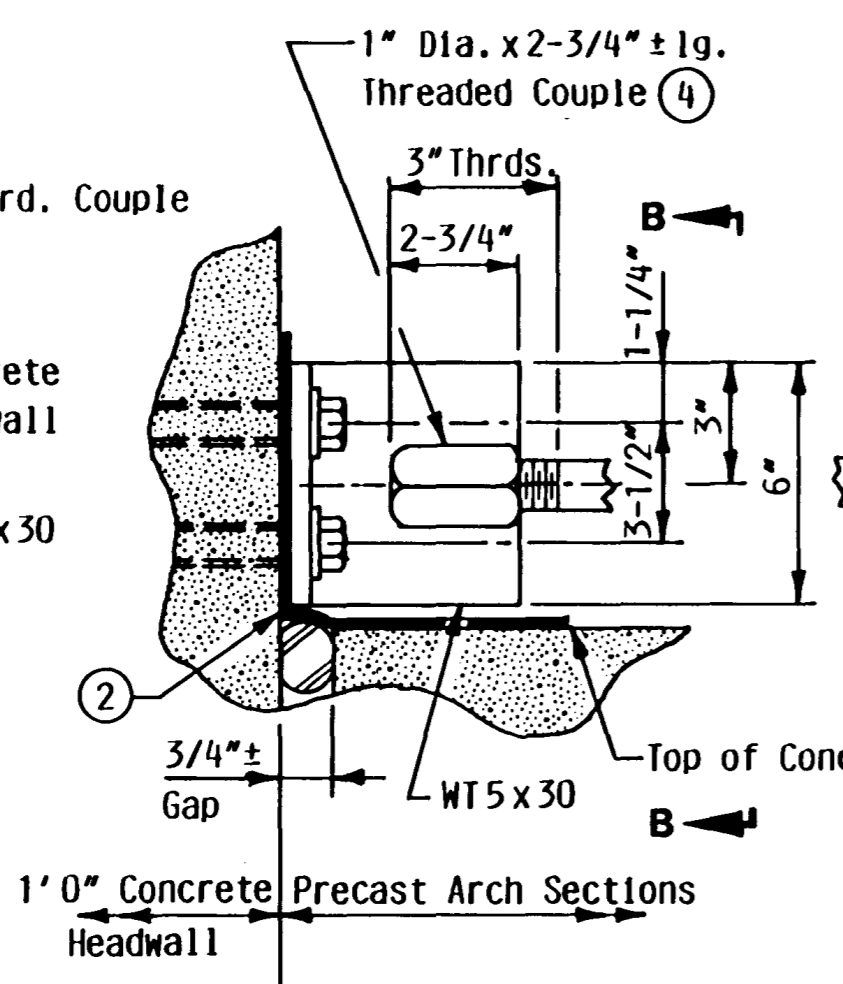
ARCH SIZE TABLE

SPAN	RISE	RADIUS
40'-3"	10'-6"	24'-6"

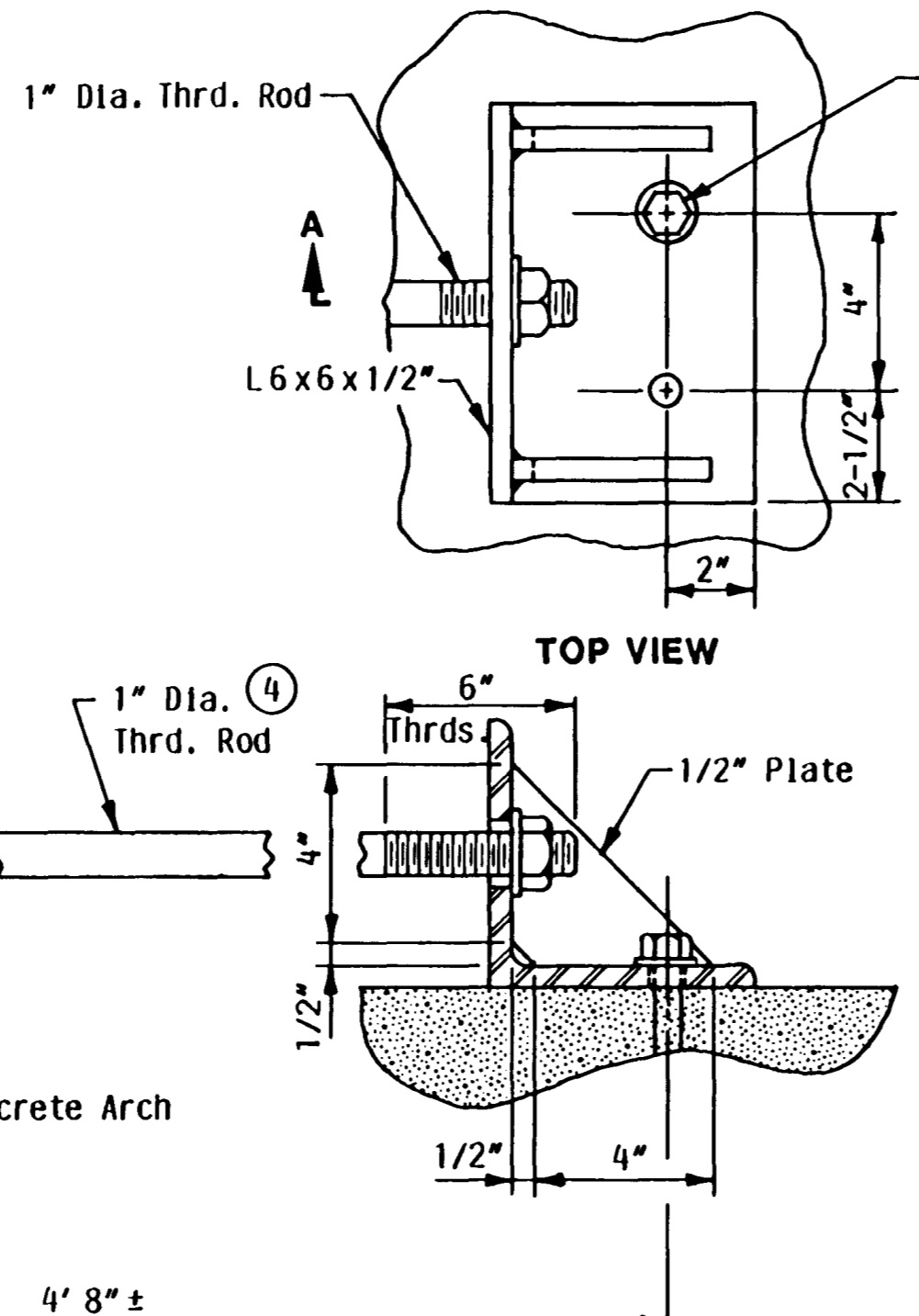


VIEW B-B

HEADWALL BRACKET (5)
(PVC Pipe Sleeve Not Shown)



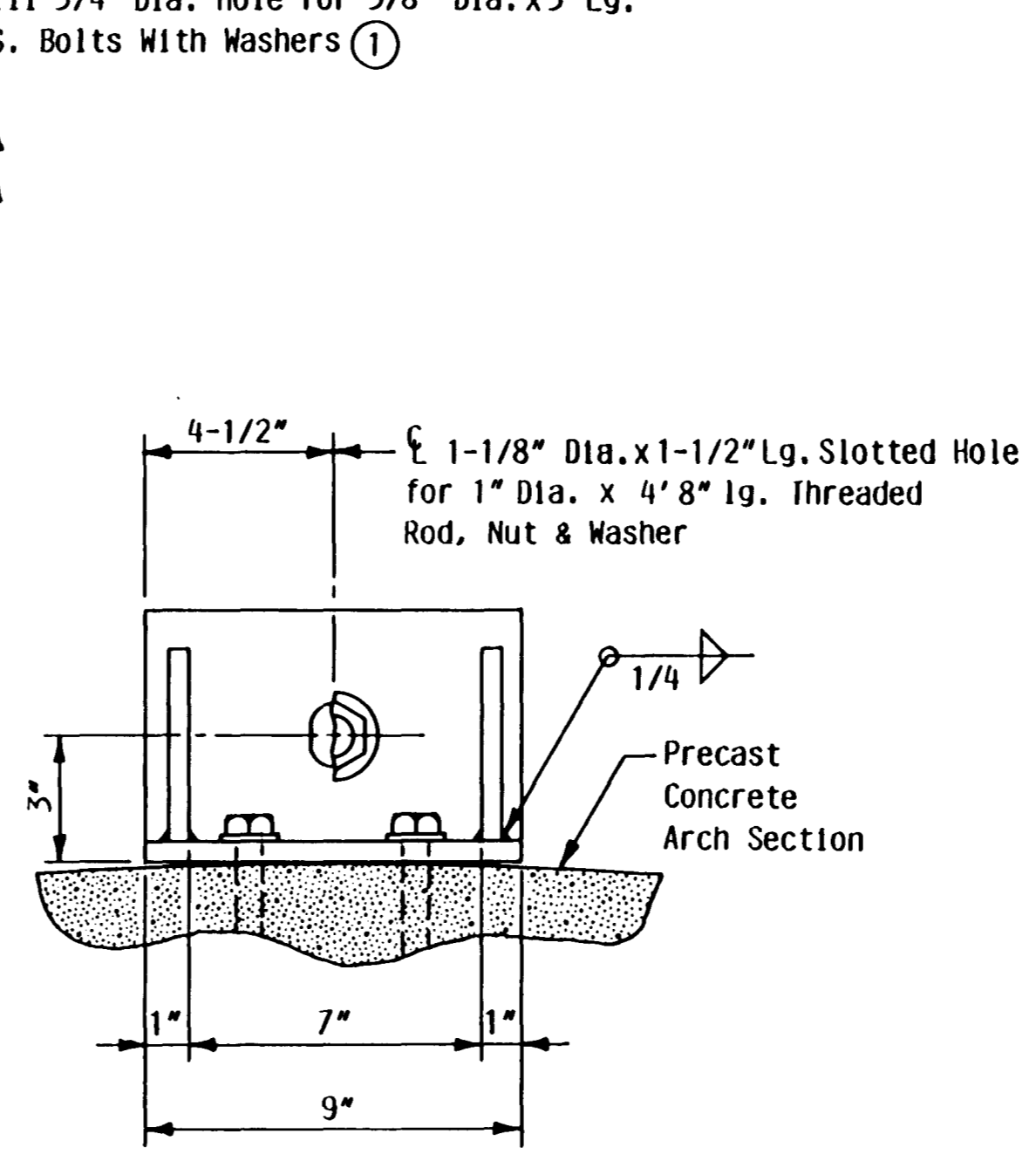
SIDE VIEW



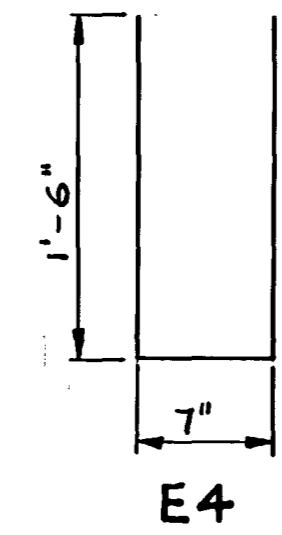
TOP VIEW

SECTION A-A

ARCH BRACKET



END VIEW



E4

NOTES:
 All Structural Steel to be Spec. 3306 & Galvanized after fabrication as per Spec. 3394.
 Bolts Nuts & Washers to be Galvanized as per Spec. 3392.
 Provisions for handling and moving of Arch Element Sections will be the contractors responsibility.

- (1) See Special Provisions for Concrete Bolt Anchorage Information.
- (2) Place 1-1/2" dia. preformed mastic in joint and except at headwall brackets cover with 24" wide geotextile at all arch joints. Place geotextile material just prior to backfilling. See Spec. 2501.3C3
- (3) Cut to length in field. Pipe sleeve to enclose total length of rod. Wrap 1" dia. rod with polystyrene or equal to maintain rod in center of P.V.C. pipe.
- (4) A325 steel bolts, threaded couples, threaded rods and hex nuts.
- (5) Alternate type brackets may be used as approved by the engineer.
- (6) Laying lengths to be 6'0" which includes 1/2" gap between arch sections.

REVISED: March 8, 1988 APPROVED: Sept. 14, 1987 **FIG. 5-397.786**

PRECAST CONCRETE ARCH STRUCTURE ARCH DETAILS		DES: _____	DR: _____	APPROVED: _____	Bridge No. 96834
CHK: _____	CHK: _____	Sheet No. 5C of 10C Sheets			