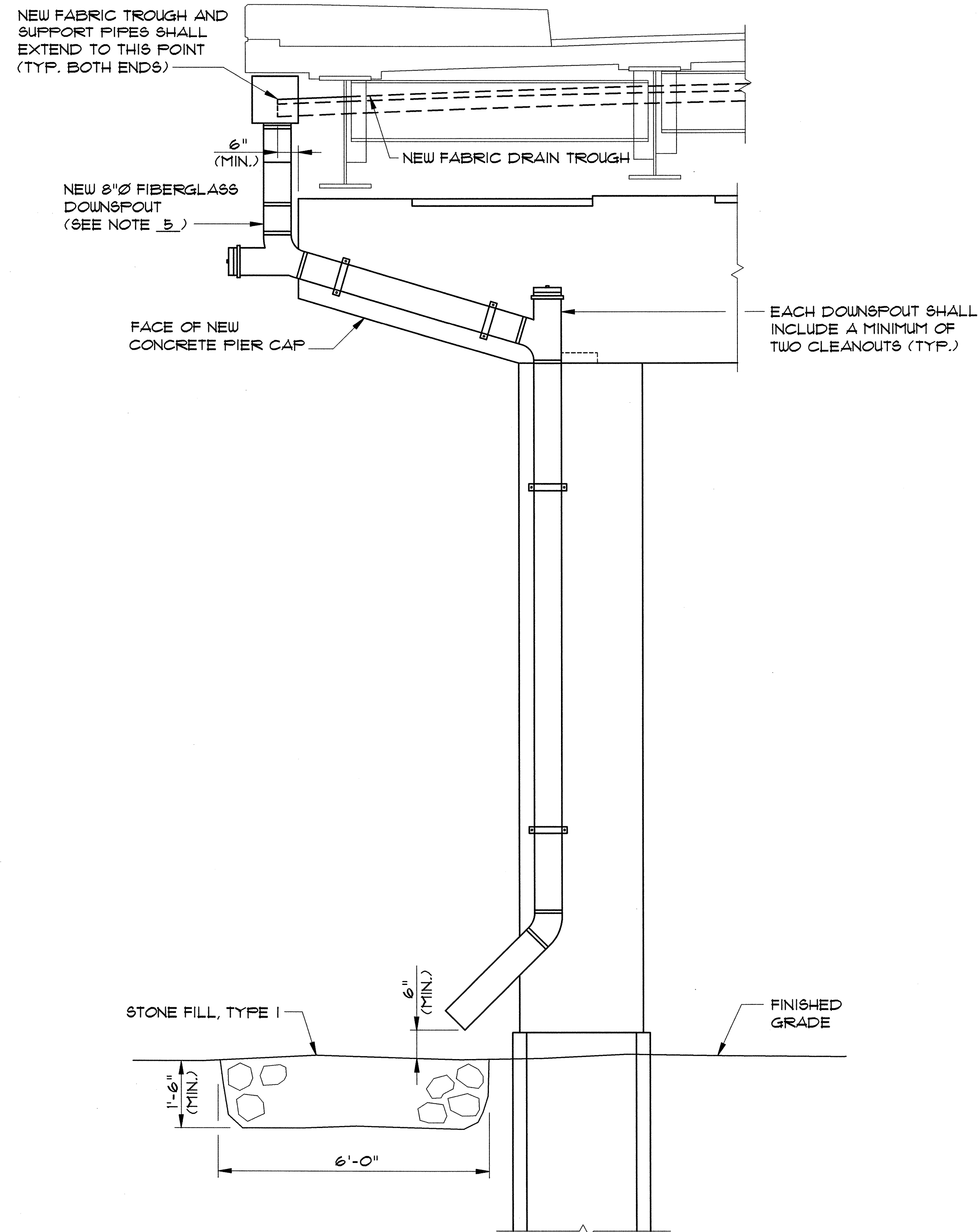
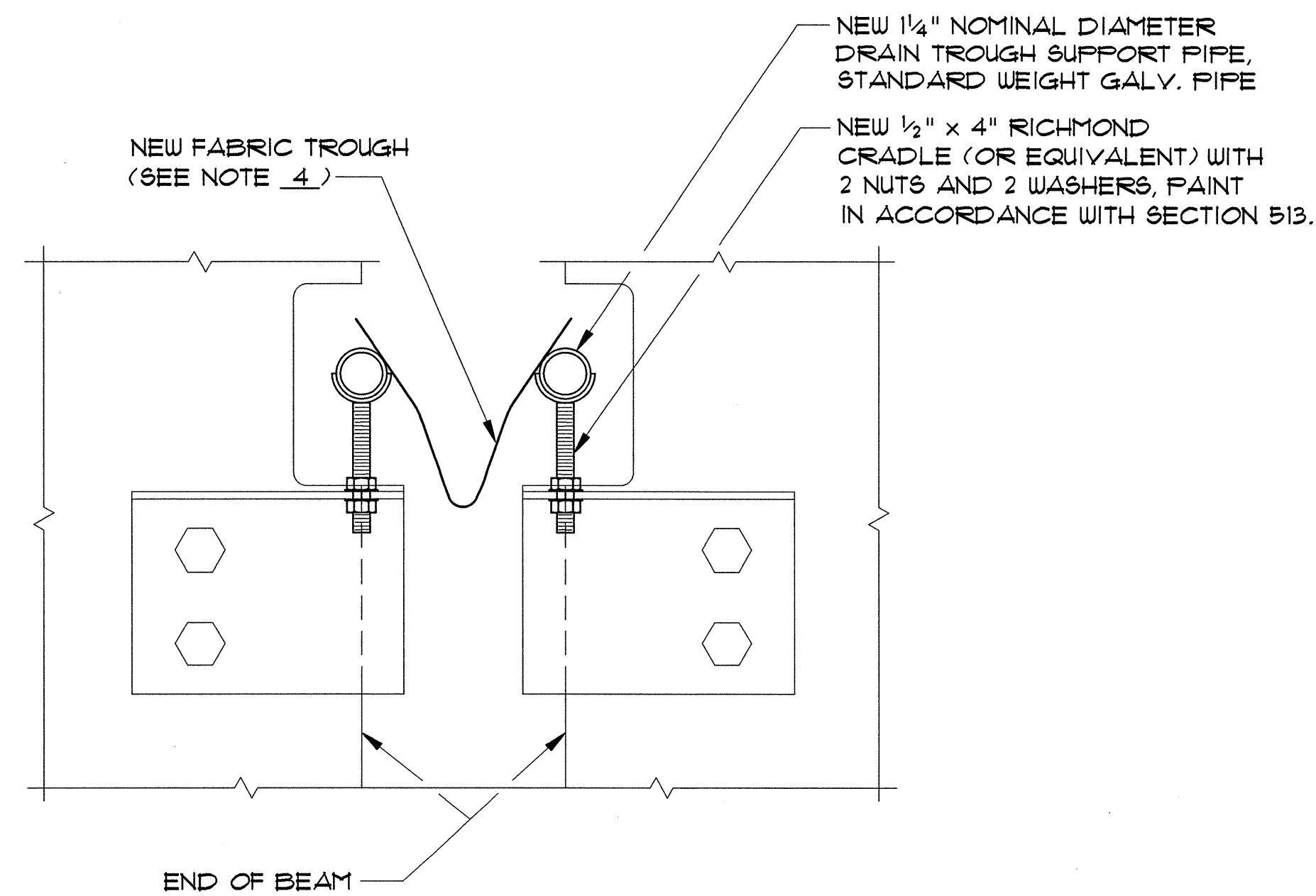




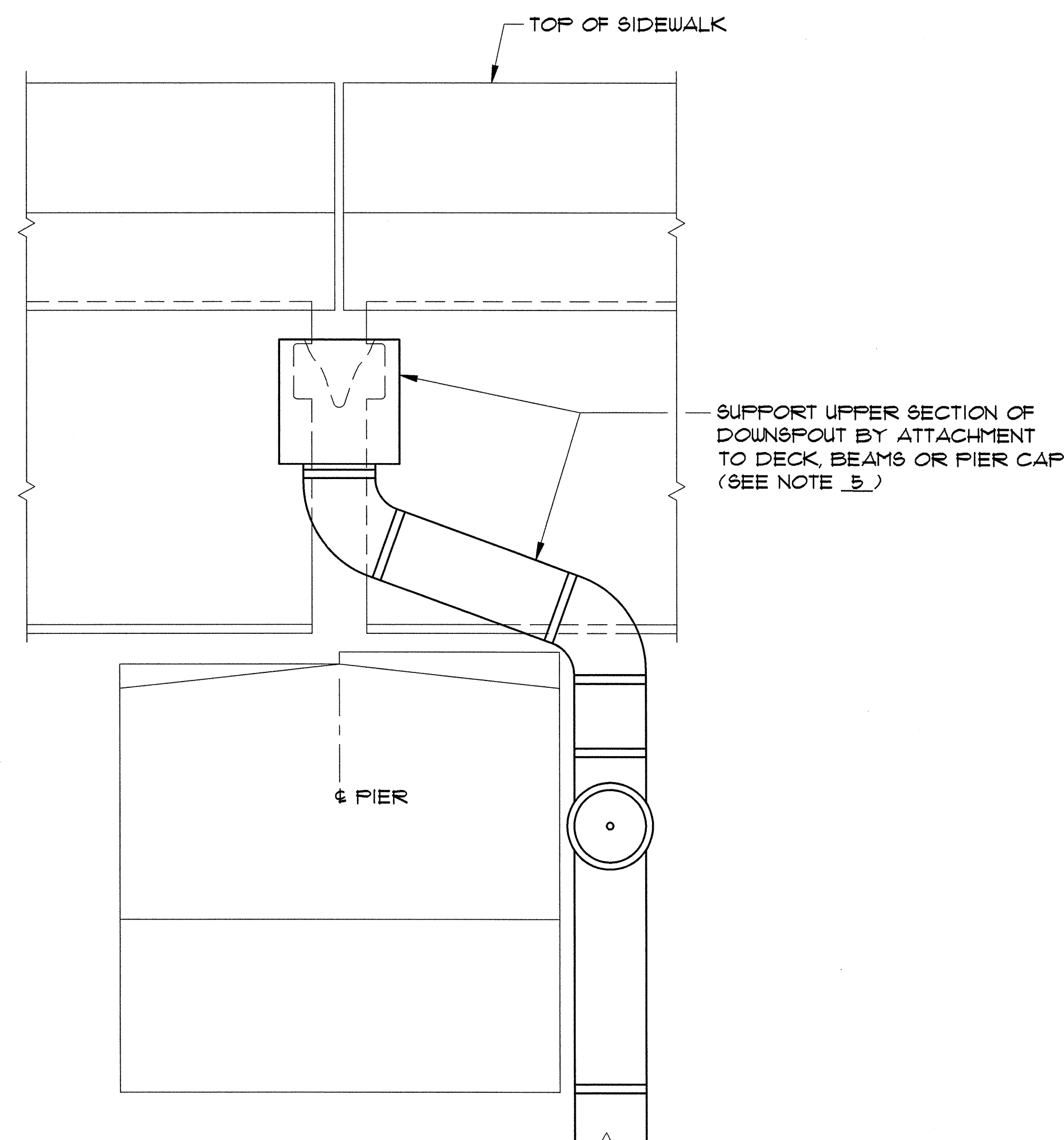
**TYPICAL ELEVATION VIEW OF
NEW DRAIN TROUGH & DOWNSPOUT**

NTS



SECTION AT BEAMS

SCALE: 3" = 1'-0"



**TYPICAL END VIEW OF
NEW DRAIN TROUGH & DOWNSPOUT**

NTS

NOTES:

1. ALL EXISTING FABRIC DRAIN TROUGH, DRAIN TROUGH SUPPORT PIPES, AND PIPE CRADLES SHALL BE REMOVED AT PIERS 1, 2 AND 3. ALL REMOVAL AND DISPOSAL COSTS SHALL BE PAID UNDER ITEM 506.80, "DRAIN TROUGH".
2. NEW FABRIC DRAIN TROUGH, DRAIN TROUGH SUPPORT PIPES, AND PIPE CRADLES SHALL BE INSTALLED AT PIERS 1, 2 AND 3 AS SHOWN ON THIS SHEET. NEW DRAIN TROUGH SUPPORT PIPE SHALL BE 1/4" NOMINAL DIAMETER STANDARD WEIGHT GALVANIZED PIPE.
3. ALL NEW FABRIC DRAIN TROUGH, DRAIN TROUGH SUPPORT PIPES, PIPES, PIPE CRADLES, AND FASTENERS (USED TO ATTACH THE FABRIC TO THE PIPE) SHALL BE PAID UNDER THE ITEM 506.80, "DRAIN TROUGH".
4. THE NEW FABRIC TROUGH SHALL BE ATTACHED TO THE PIPE SUPPORTS WITH 3/8" GALVANIZED HEX HEAD SCREWS, SPACED AT 1'-0" MAXIMUM.
5. SIX (6) NEW FIBERGLASS DOWNSPOUTS SHALL BE INSTALLED, ONE AT EACH END OF THE NEW FABRIC DRAIN TROUGH AT EACH PIER. THE DOWNSPOUT CONFIGURATION SHOWN IS SCHEMATIC ONLY AND IS NOT INTENDED TO INDICATE A PREFERRED CONFIGURATION. BOTH BEARINGS AT PIER 1 ARE EXPANSION. ANY DOWNSPOUT ATTACHMENT TO SUPERSTRUCTURE AT PIER 1 SHALL BE DESIGNED TO ACCOMMODATE THE SUPERSTRUCTURE MOVEMENT. THE ENTIRE SYSTEM, INCLUDING DOWNSPOUT SUPPORTS ATTACHED TO THE PIERS, AND IF NECESSARY, THE SUPERSTRUCTURE SHALL BE DESIGNED AND DETAILED BY THE MANUFACTURER. THE CONTRACTOR SHALL SUBMIT DETAILS OF THE DOWNSPOUT CONFIGURATION TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE ORDERING ANY DOWNSPOUT COMPONENTS. THE NEW FIBERGLASS DOWNSPOUTS SHALL BE PAID AS ITEM 506.80, "DRAIN TROUGH (MOD. - DOWNSPOUTS)". ALL LABOR AND MATERIALS REQUIRED TO DESIGN, DETAIL, AND INSTALL THE NEW FIBERGLASS DOWNSPOUTS AND THEIR SUPPORTS SHALL BE INCLUDED IN ITEM 506.80 "DRAIN TROUGH (MOD. - DOWNSPOUTS)".
6. THE CONTRACTOR SHALL INSTALL A 6' X 4' AREA OF ITEM 613.10 "STONE FILL, TYPE I" AT EACH PIPE OUTLET, AS SHOWN ON THIS SHEET. EXCAVATION REQUIRED TO PLACE STONE FILL SHALL BE SUBSIDIARY TO ITEM 613.10.

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	SOUTH BURLINGTON	Bridge No.	68
Highway No. U.S.	2	Log Sta.	
		Surv. Sta.	

U.S. 2 OVER I-89

DRAIN TROUGH DETAILS

Designed By	T.S. BRYANT	Drawn By	B.J. MASSE
Checked By	A. SETAG	Date	1/00
		Bridge Design Supervisor	C.D. BAKER
		Date	1/00

PROJECT	SOUTH BURLINGTON	PROJECT NO.	IM DECK (36)
VHB Cad Drawing No.	50929DRN	Date	1/00
Bridge Sheet No.		Sheet	17 of 15

VANASSE HANGEN BRUSTLIN, INC.