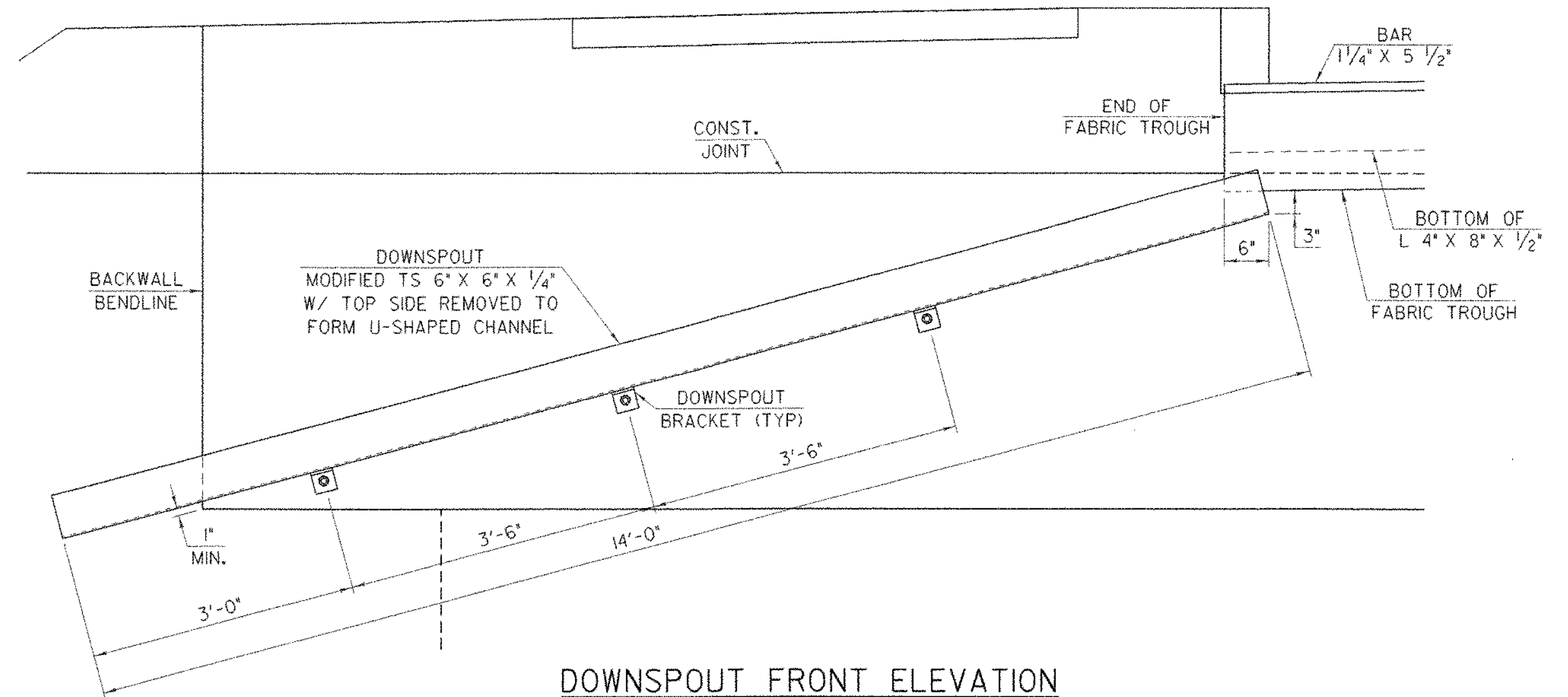


DOWNSPOUT SIDE ELEVATION

SCALE: 1" = 1'-0"

(SIDEWALK BRACING NOT SHOWN FOR CLARITY)



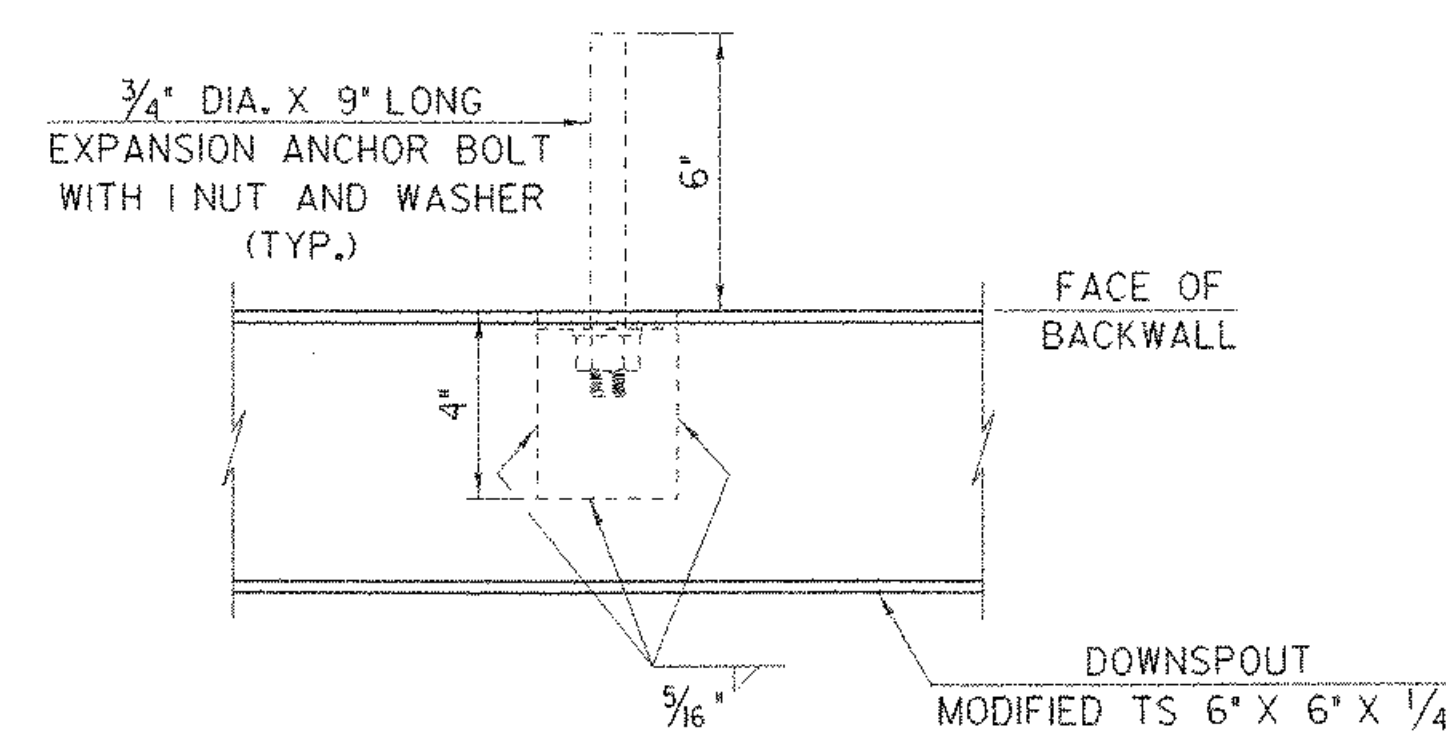
DOWNSPOUT FRONT ELEVATION

SCALE: 1" = 1'-0"

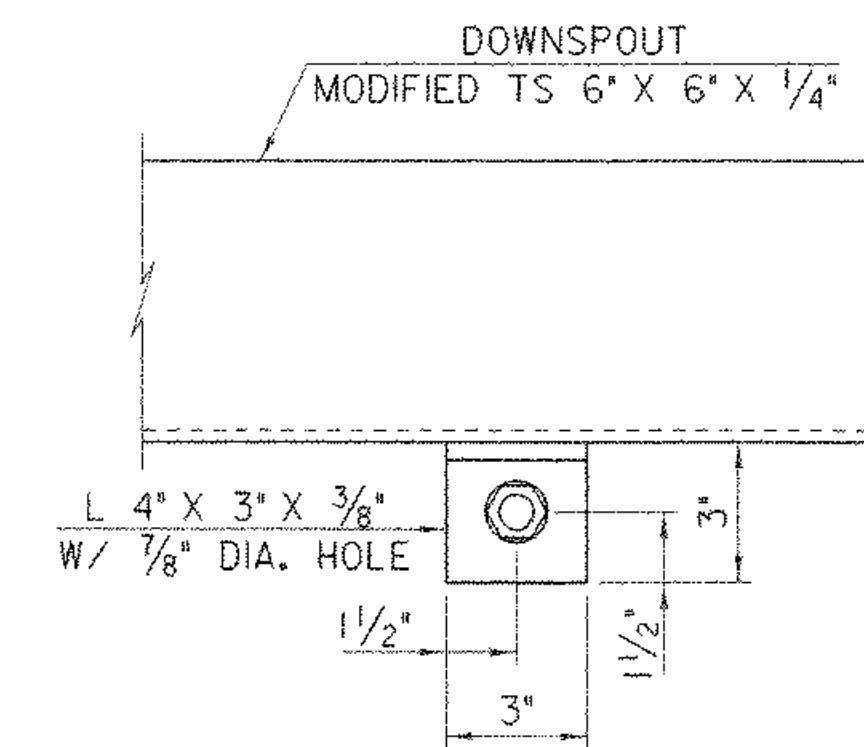
(SIDEWALK BRACING AND BEARING ASSEMBLY NOT SHOWN FOR CLARITY)

NOTES

1. A DOWNSPOUT WILL BE REQUIRED AT THE UPSTREAM END OF THE EXPANSION JOINT.
2. ALL DOWNSPOUT COMPONENTS AND HARDWARE SHALL BE GALVANIZED AND PAINTED BLACK AS PER SUPPLEMENTAL SPECIFICATION 513.
3. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500B AND ALL OTHER COMPONENTS SHALL CONFORM TO AASHTO M270 GRADE 50.
4. THE DOWNSPOUT ASSEMBLY SHALL NOT BE INSTALLED UNTIL AFTER THE BRIDGE EXPANSION JOINT IS IN PLACE.
5. THE DOWNSPOUT, BRACKETS, BOLTS AND RELATED HARDWARE SHALL BE PAID FOR UNDER ITEM 506.60 "STRUCTURAL STEEL."
6. ALL BOLTS AND RELATED HARDWARE SHALL BE AASHTO A-307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153 (AASHTO M-232).
7. ANY PLACE WHERE THE GALVANIZING HAS BEEN REMOVED FROM THE DOWNSPOUT OR HOPPER, EITHER BY CUTTING, BURNING, WELDING, PLACING OR BY ANY OTHER MEANS, IT SHALL BE REPAIRED BY THOROUGHLY CLEANING THE DAMAGED AREAS WITH A WIRE BRUSH AND REGALVANIZED IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 513 WHICH REFERENCES ASTM A760.



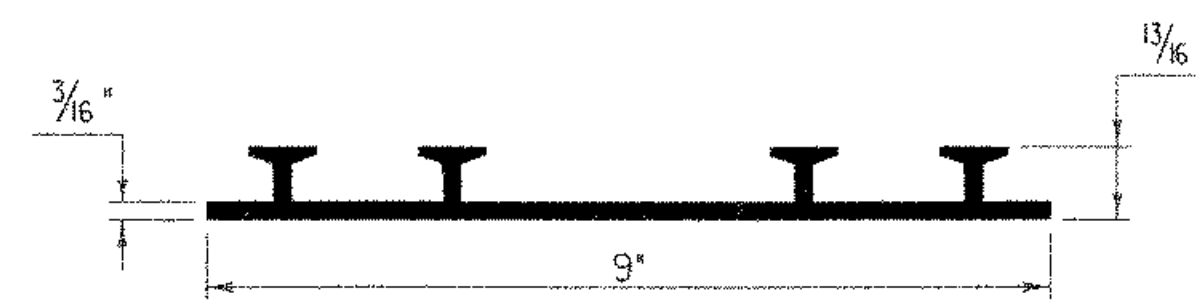
PLAN



ELEVATION

DOWNSPOUT BRACKET DETAILS

SCALE: 3" = 1'-0"



P. V. C. WATERSTOP FOR CONSTRUCTION JOINTS

THE COSTS FOR P. V. C. WATERSTOP SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE. OTHER CONFIGURATIONS MAY BE USED UPON APPROVAL OF THE STRUCTURES ENGINEER.

SHEET NAME: DOWNSPOUT DETAILS		
PROJECT NAME: JOHNSON	HIGHWAY NO.: TH 2	
PROJECT NUMBER: BHO 1448(18)	BRIDGE NO.: 6	
	OVER: THE LAMOILLE RIVER	
FILE NAME: /str1/90j067/sj067sup.dgn	PLOT DATE: 02-SEP-2005	
PROJECT MANAGER: R. WHITCOMB	DRAWN BY: J. GILMORE	
DESIGNED BY: C. MEUNIER	IPARM NAME: sc067dsd.1	
BRIDGE SHEET NUMBER:	SHEET 35 OF 73	