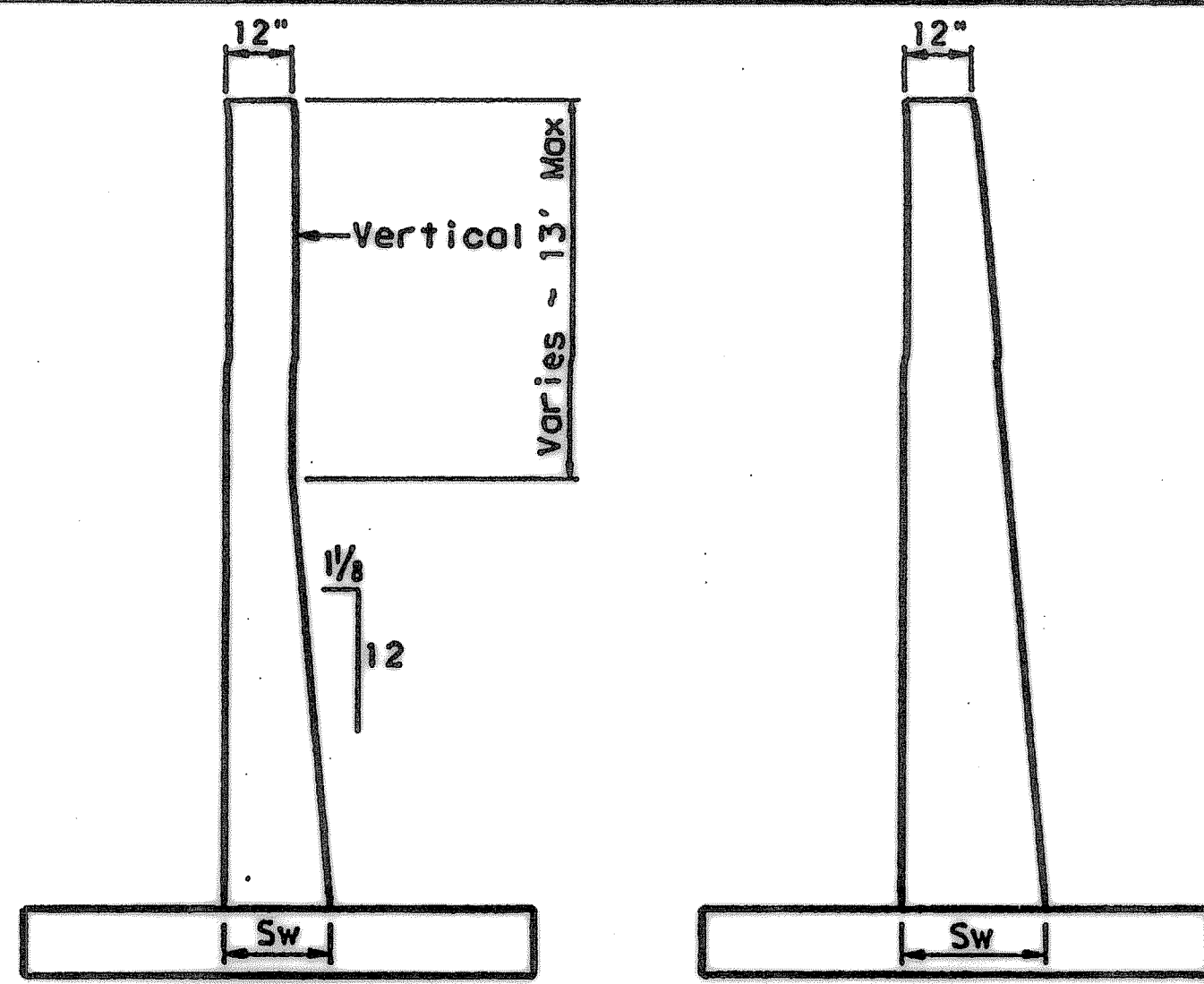


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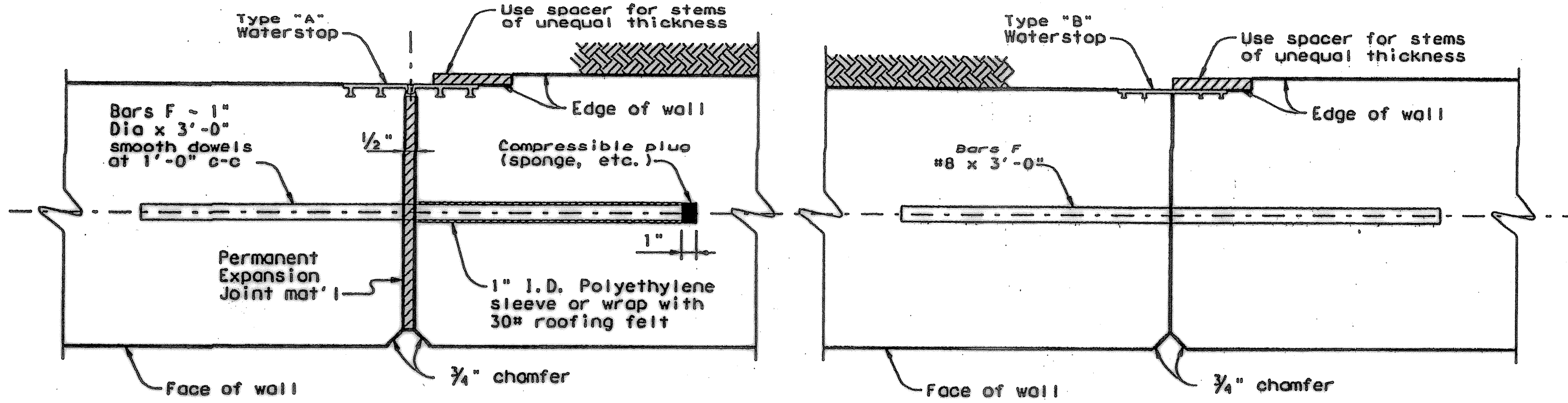


AS DETAILLED ALL HEIGHTS (Basis for payment)

FRONT FACE VERTICAL BACK FACE SLOPED

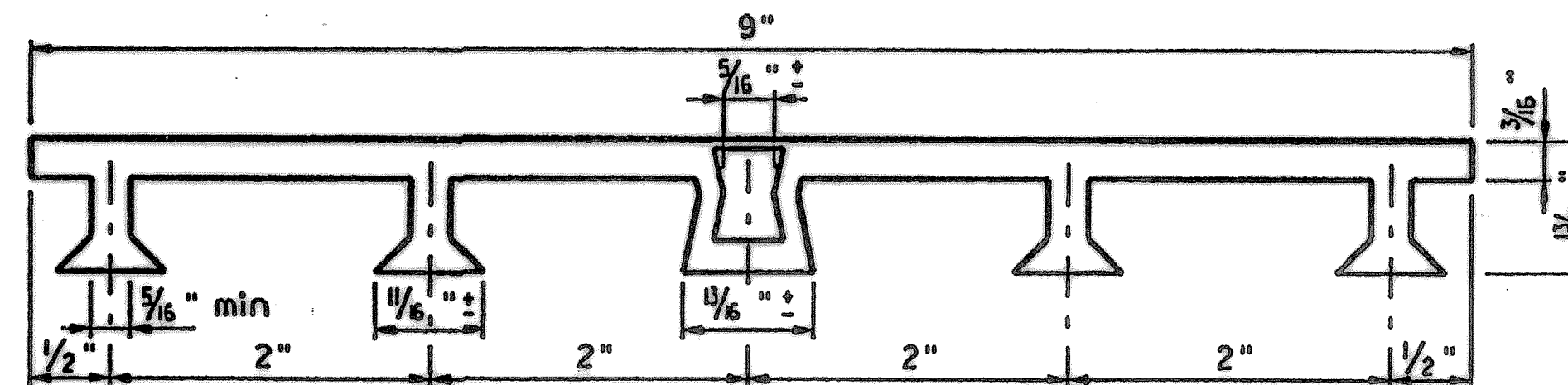
ALTERNATE STEM SLOPE DETAILS

Walls with slopes other than those shown may be used after approval by the Engineer. Sw shall not be less than shown in Table on Sheet 1. No payment will be made for excess concrete due to changing of slope of wall stem.



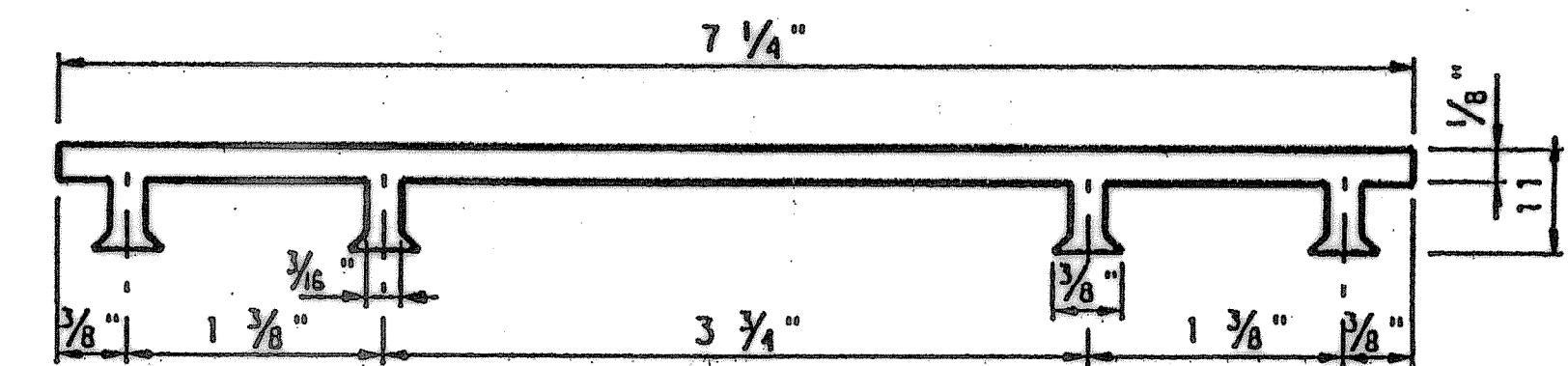
EXPANSION JOINT

CONSTRUCTION JOINT

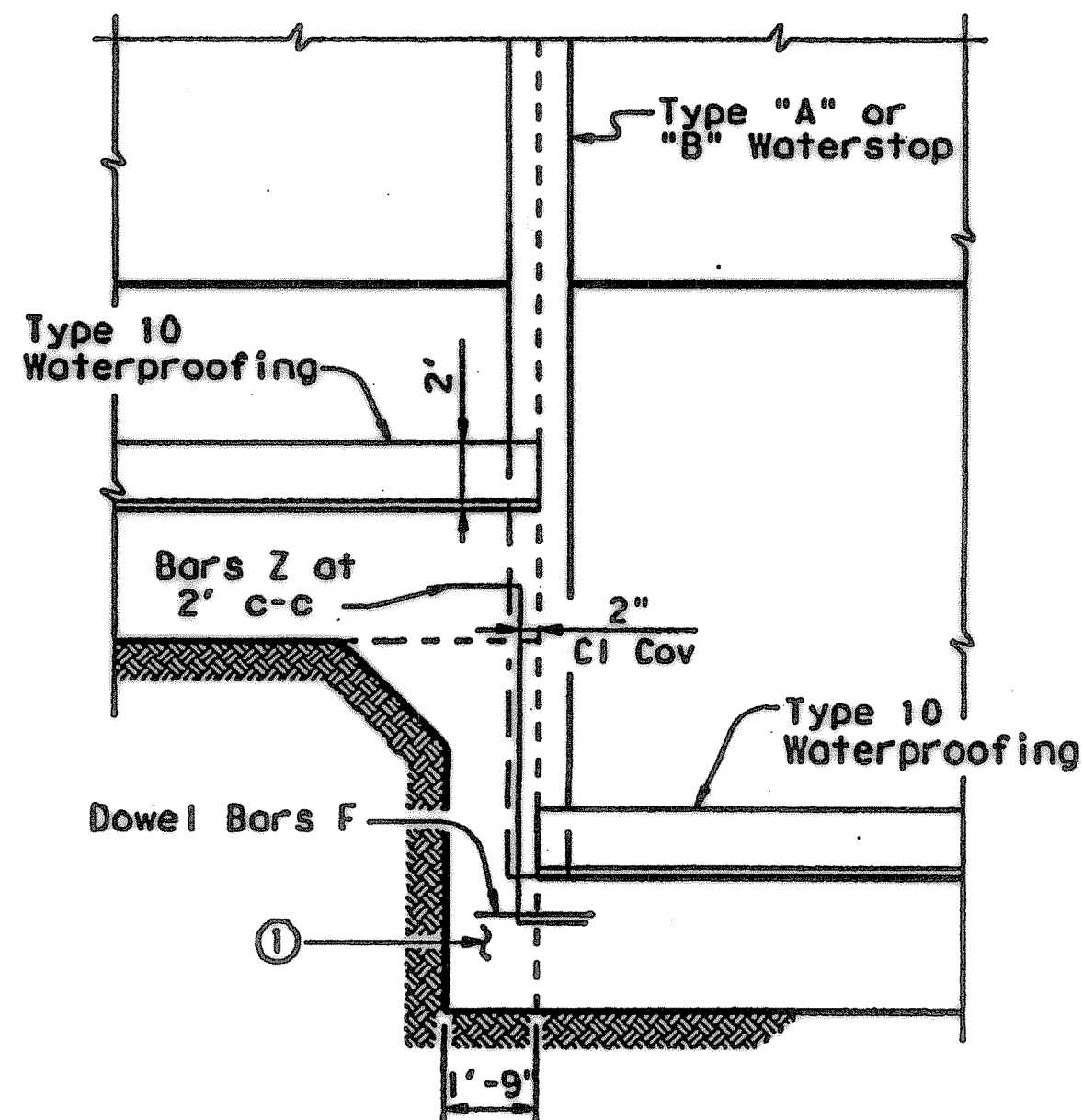


PVC WATERSTOP TYPE "A"

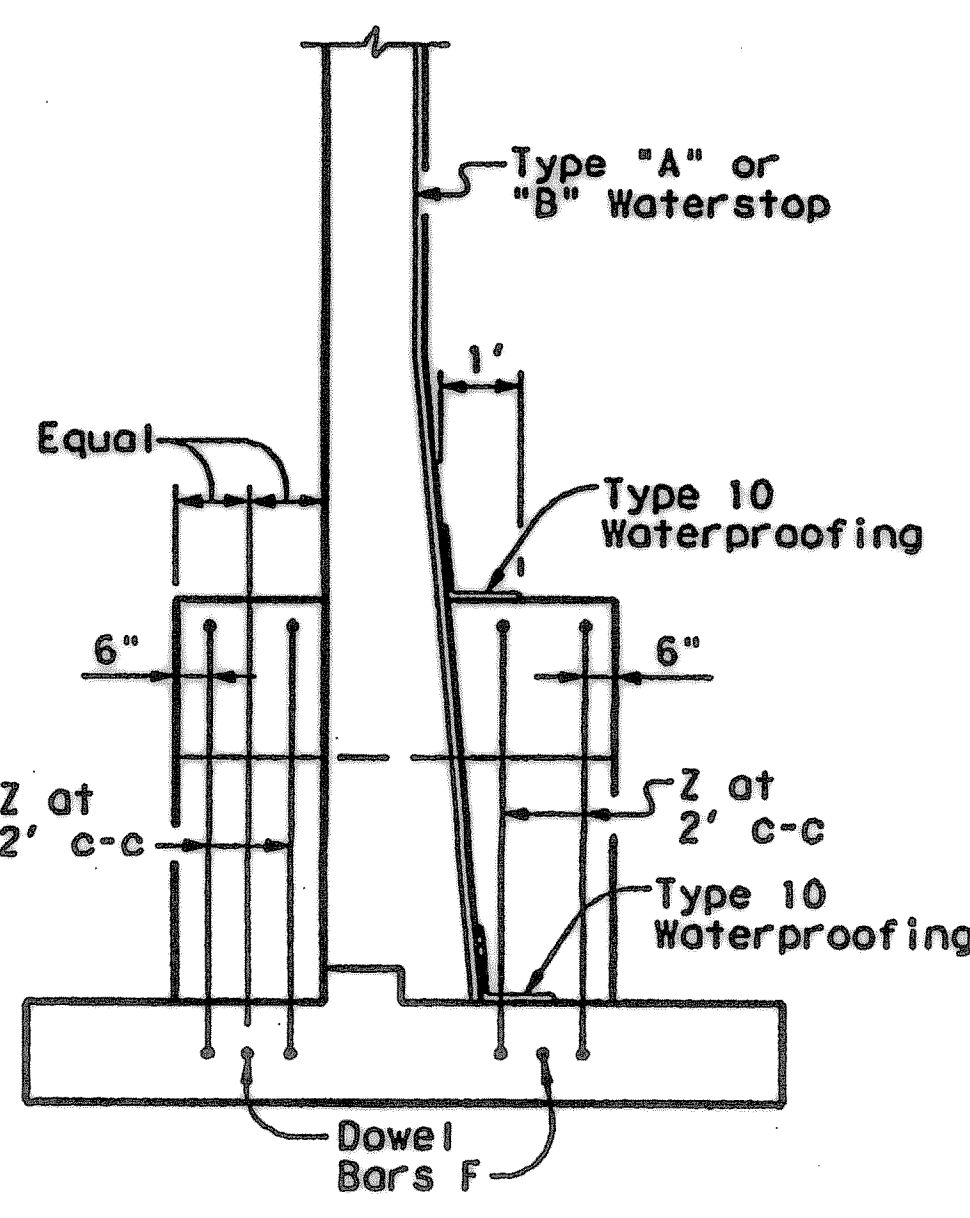
Note: Dimensions and shapes may vary slightly depending on manufacturer.



PVC WATERSTOP TYPE "B"



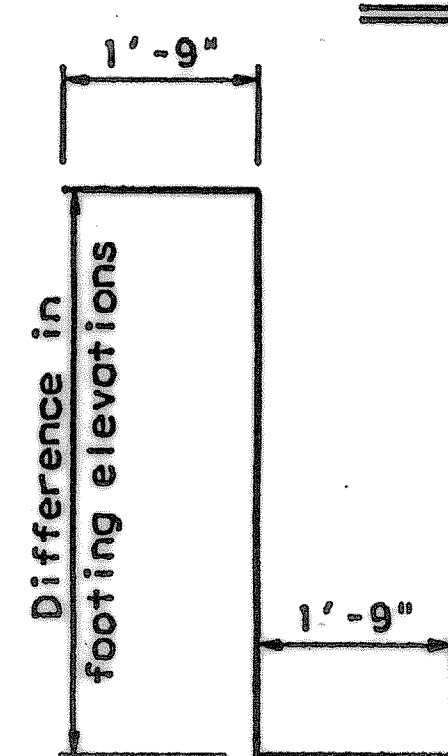
PARTIAL ELEVATION



PARTIAL SECTION

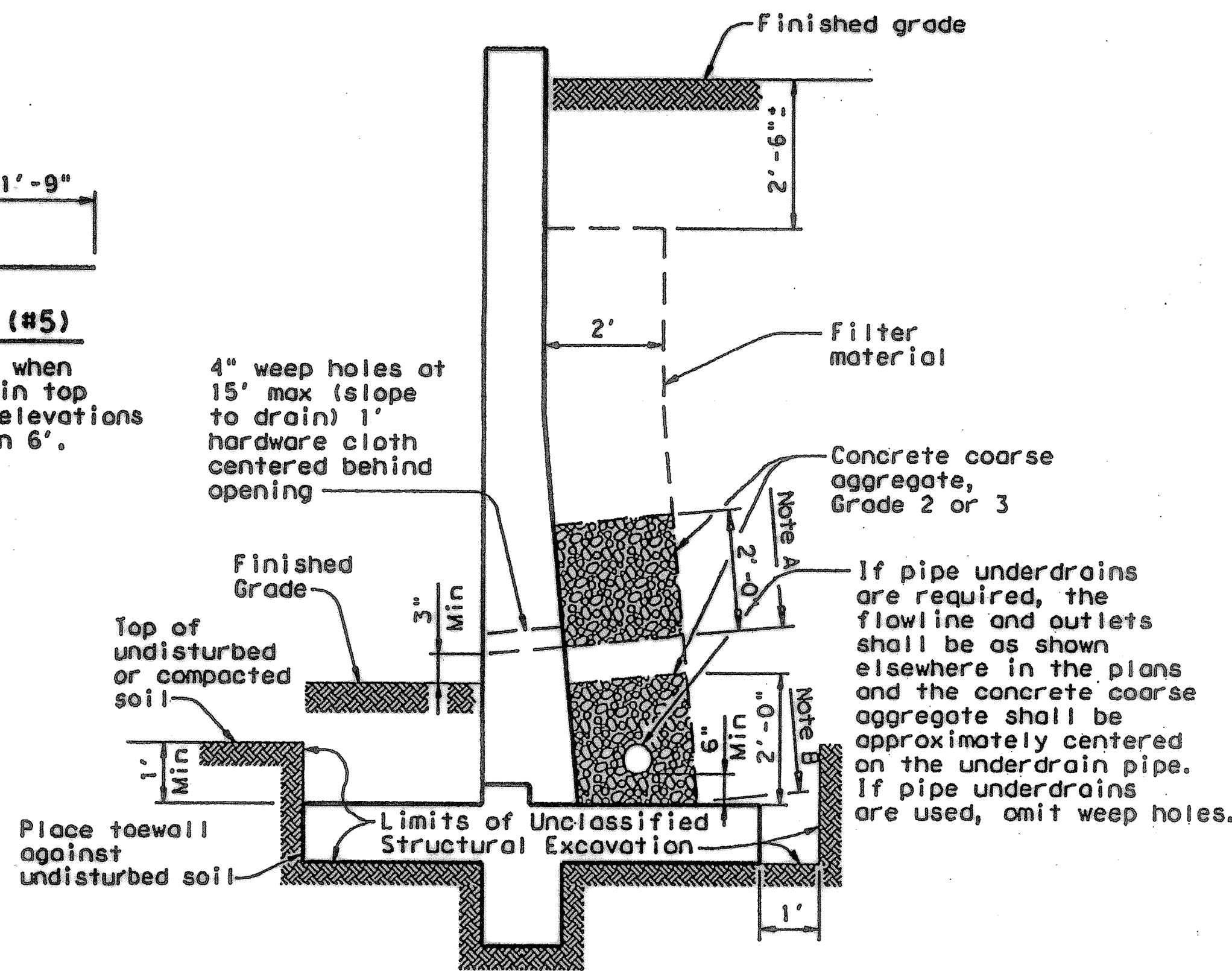
SHOWING WATERSTOP AT FOOTING JOINT

① Unreinforced Class "C" Concrete when difference in top of footing elevations is less than 6'. Omit when Dowel Bars F can be placed between adjacent footings with 4" cover top and bottom.



BARS Z (#5)

Omit Bars Z when difference in top of footing elevations is less than 6'.



DRAINAGE DETAILS AND EXCAVATION DIAGRAM

Note A: Stop coarse aggregate at this level when weep holes are used.
 Note B: Use coarse aggregate to here with filter material above when underdrains are used.

AS BUILT
 DATE 11/14/05

GENERAL NOTES:

Walls are designed assuming unit weight of soil = 120 pcf, and coefficient of horizontal earth pressure = 0.33.
 Walls are designed to provide a minimum factor of safety against sliding of 1.5. The undisturbed or compacted soil depth in front of walls, from bottom of Key up, shall not be less than $K_w + Ft + 1'$.
 Retaining walls are detailed to be placed on grades up thru 10% with footing level, with no changes in reinforcing steel. Steeper grades can be accommodated by shortening Bars A and B and increasing length of legs of Bars U by the same amount. No change in Quantities will be involved.
 Retaining walls may be placed on Horizontal Curves by adjusting lengths of footing Bars T and H. Minor revisions of Concrete Quantities may be required.
 Designed in accordance with current AASHTO Standard and Interim Specifications.
 All concrete to be Class "C".
 All reinforcing steel to be Grade 60.

Texas Department of Transportation
 Bridge Division

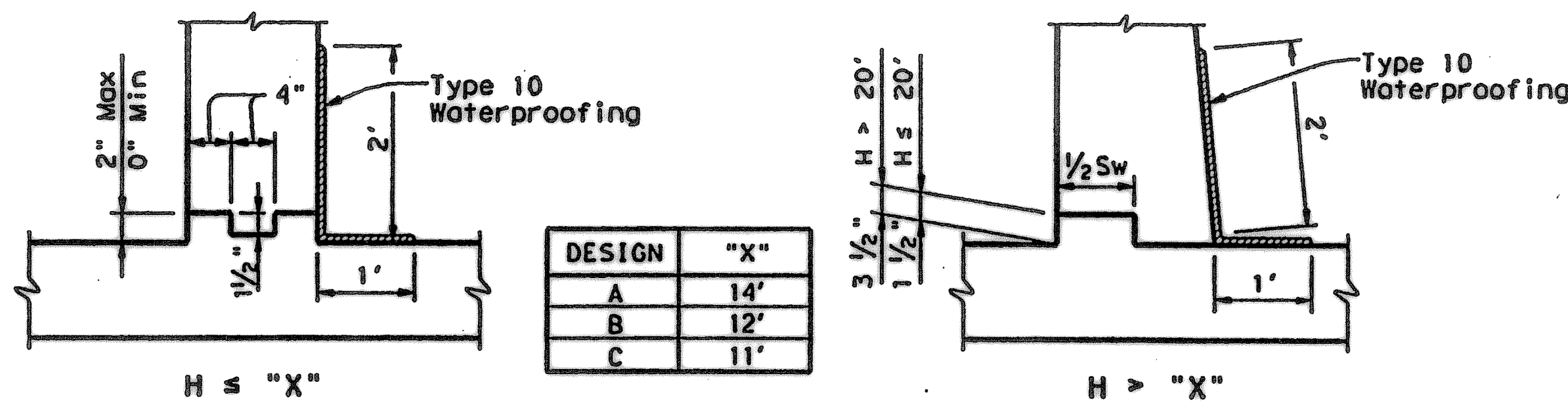
RETAINING WALL MISCELLANEOUS DETAILS

RW 2

FILE: rwsdall.dgn	DN: TxDOT	CA: TxDOT	DN: GHO	CA: MPL
© TxDOT April 2002	DISTRICT	FEDERAL AID PROJECT	SHEET	
REVISIONS	COUNTY	CONTROL SECT	JOB	HIGHWAY

LEVELS DISPLAYED	PATH:
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

JOINT AND WATERSTOP DETAILS



DESIGN	"X"
A	14'
B	12'
C	11'