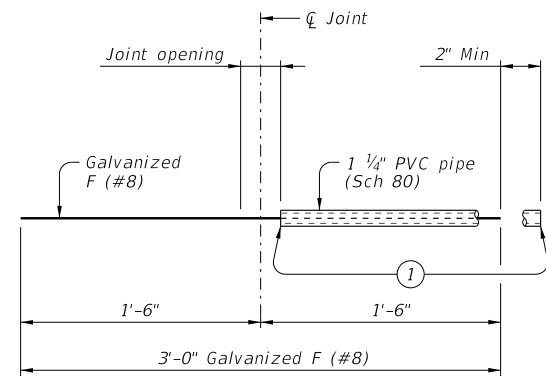
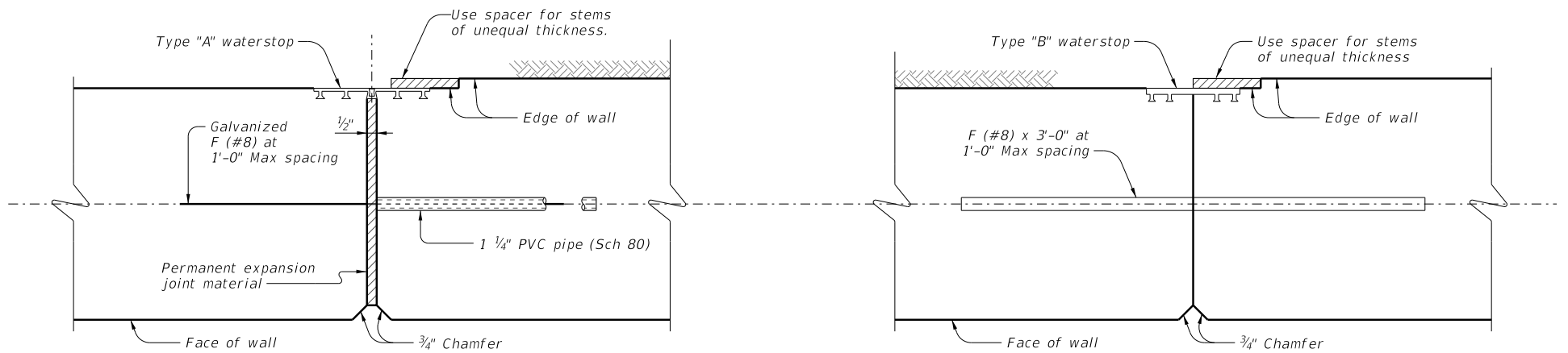


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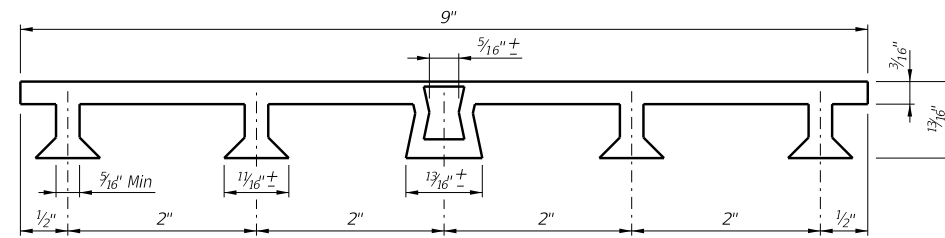


BAR F (#8) ASSEMBLY DETAIL



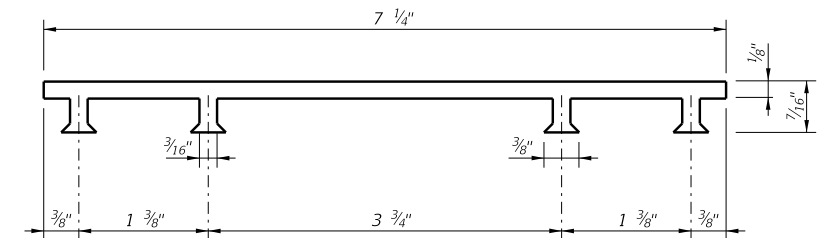
EXPANSION JOINT

CONSTRUCTION JOINT



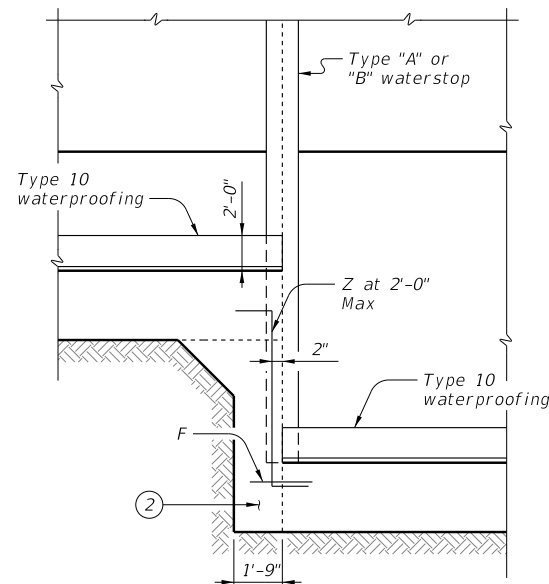
PVC WATERSTOP TYPE "A"

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

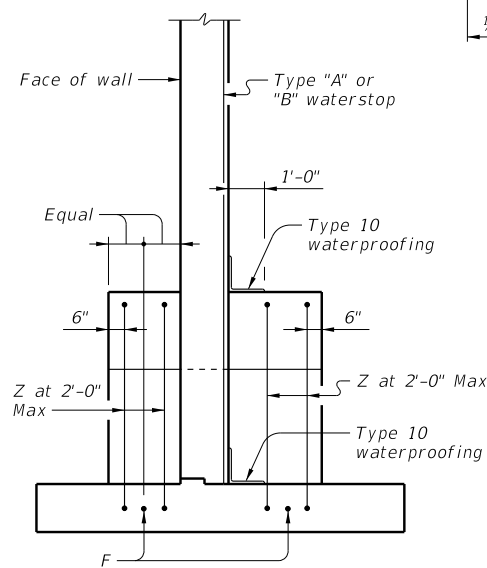


PVC WATERSTOP TYPE "B"

- ① Tape ends of 1 1/4" PVC Schedule 80 to prevent concrete or mortar from seeping in.
- ② Class C unreinforced concrete when difference in top of footing elevations is less than 2 feet. Omit when Dowel Bars F can be placed between adjacent footings with 4-inch cover top and bottom. Footing elevation difference not to exceed 4 feet.
- ③ Underdrain pipe to be in accordance with Item 556, "Pipe Underdrains."

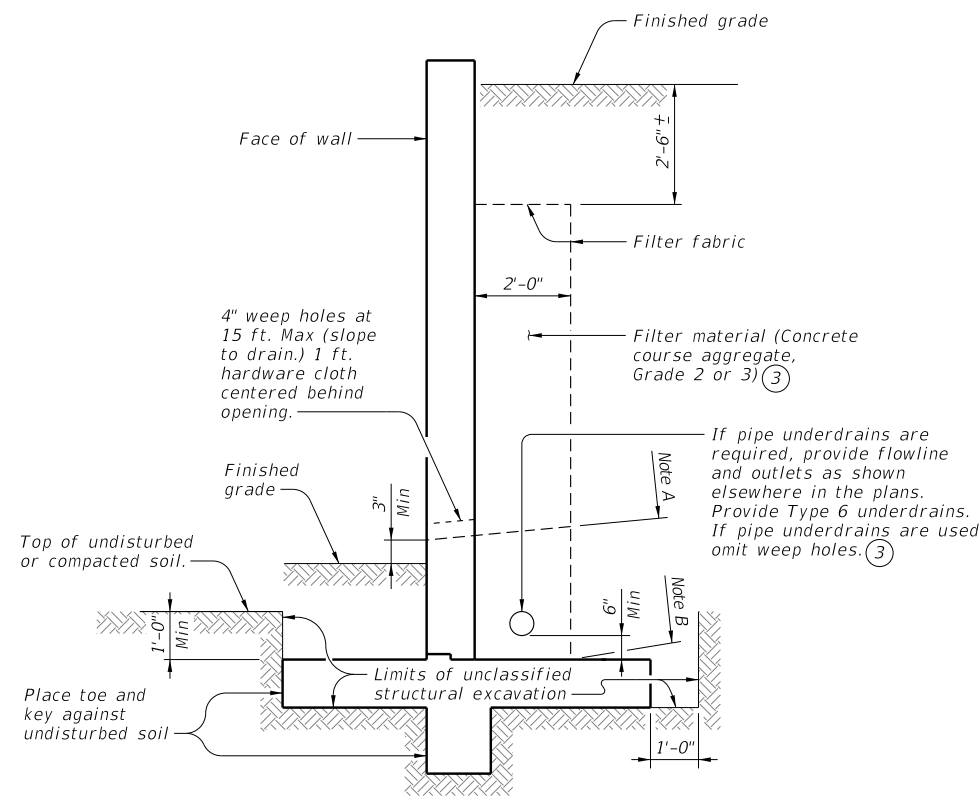


PARTIAL ELEVATION



PARTIAL SECTION

SHOWING WATERSTOP AT FOOTING ELEVATION TRANSITION



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 when underdrains are used.

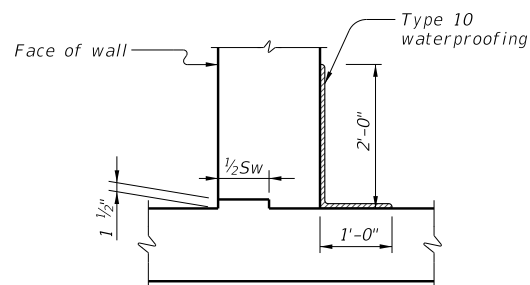
MATERIAL NOTES:

Provide Class C concrete ($f'_c=3,600$ psi.)
Provide Grade 60 reinforcing steel.

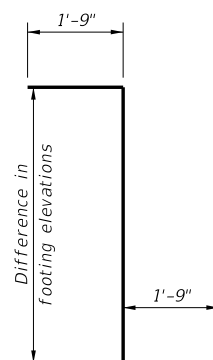
GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.
Walls are designed assuming unit weight of soil = 120 pcf and a friction angle = 30 degrees for foundation and retained soil.
The undisturbed or compacted soil depth in front of walls must not measure less than $K_d + F_t + 1$ foot as measured upwards from bottom of key.
Retaining walls are detailed to be placed on grades up to 10% with level footing, with no changes in reinforcing steel. Steeper grades can be accommodated by shortening Bars A and Bars B and increasing the length of legs of Bars U by the same amount. No change in quantities will be required.
Retaining walls may be placed on horizontal curves by adjusting lengths of Bars T and Bars H in the footing. Minor revisions to concrete quantities may be required as a result.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.



JOINT AND WATERSTOP DETAILS



BARS Z (#5)

(Omit Bars Z when difference in top of footing elevations is less than 2 ft.)

		Bridge Division Standard	
SPREAD FOOTING RETAINING WALL MISCELLANEOUS DETAILS			
RW(SF)			
FILE: RW-SF-22.dgn	DN: TAR	CK: RLE	DW: JER
©TxDOT June 2022	CONT	SECT	JOB
REVISIONS		HIGHWAY	
8-22: Updated underdrain requirements.	DIST	COUNTY	SHEET NO.

DATE: FILE: