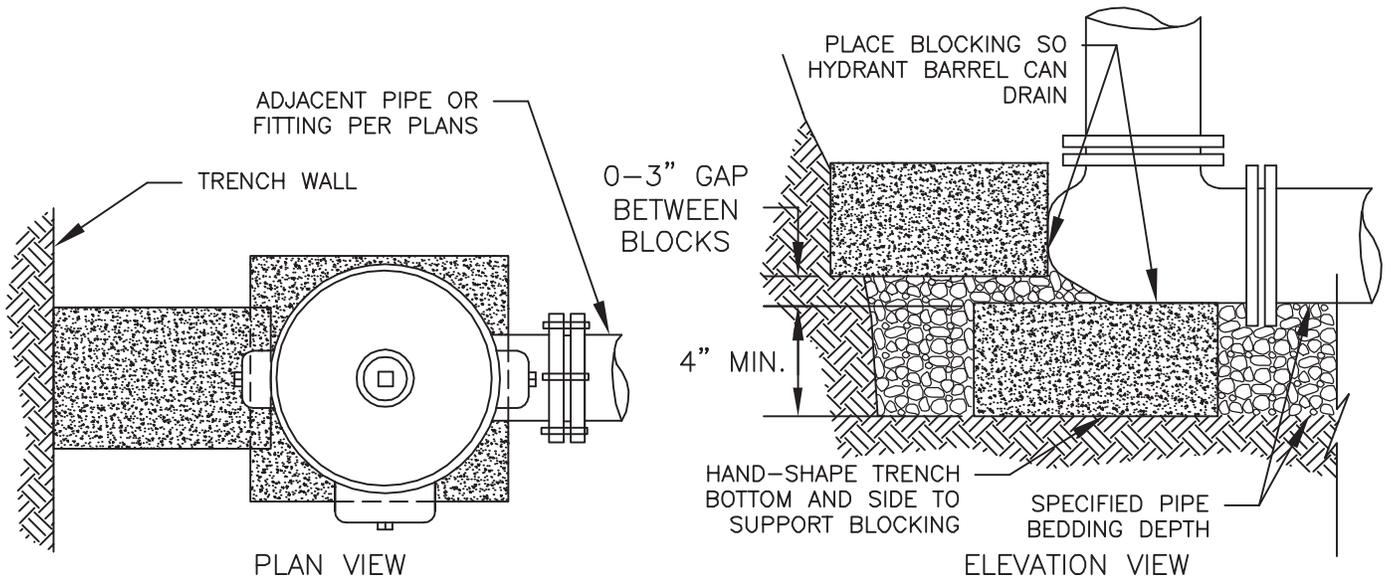


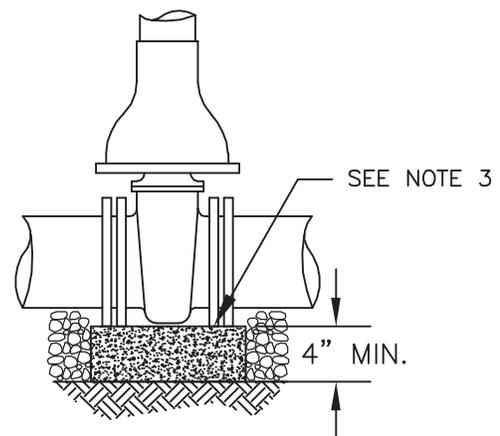
TYPICAL BLOCKING AT TEES, ELBOWS AND SLEEVES
(TEE SHOWN)



TYPICAL BLOCKING AT HYDRANTS
(SEE NOTE 2)

NOTES:

1. USE PRE-CAST SOLID CONCRETE BLOCKS, MINIMUM 4-INCH THICKNESS. IF BLOCKING IS CAST-IN-PLACE, ALLOW SUFFICIENT CURE TIME BEFORE SETTING FITTING.
2. REFER TO HYDRANT SET DETAILS FOR ADDITIONAL INFORMATION.
3. SHIM VALVE FLANGES AND/OR BODY AS REQUIRED SO THEY ARE IN BEARING ON BLOCK. USE ONLY STAINLESS STEEL SHIMS.



TYPICAL BLOCKING AT VALVE
(SEE NOTE 2)

FILE NO.: 2500-023	CEDAR RAPIDS METROPOLITAN AREA STANDARD DETAILS FOR PUBLIC IMPROVEMENTS	
APPROVAL DATE: JULY 2010		
REVISION NO.:	CONCRETE BLOCKING FOR WATERMAIN FIXTURES AND FITTINGS	
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		NO. 2500-023