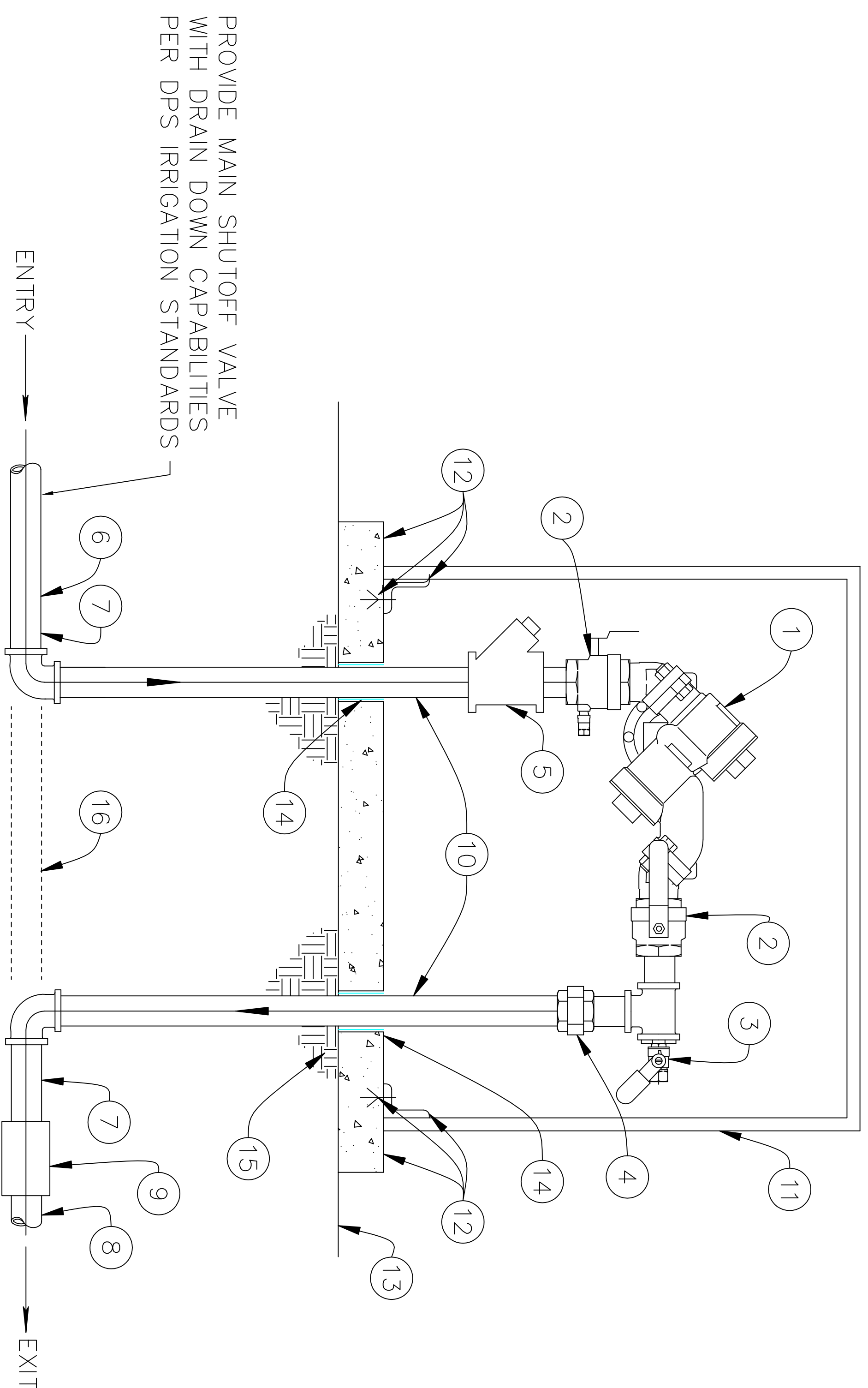


FLAG NOTES:

1. REDUCED PRESSURE BACKFLOW PREVENTER ON NEW OR EXISTING (1½" AND SMALLER) DOMESTIC COLD WATER "POTABLE" SYSTEM, AND CONNECT DISCHARGE TO NEW OR EXISTING IRRIGATION OR POTABLE WATER SYSTEM. VERIFY SIZE ON SITE.
2. BALL VALVE FURNISHED WITH BACKFLOW PREVENTER.
3. COMBINATION DRAIN VALVE AND SYSTEM BLOW DOWN CONNECTION. FOR IRRIGATION SYSTEMS ONLY
4. PIPE UNION.
5. WYE STRAINER WITH PLUG.
6. NEW OR EXISTING DOMESTIC WATER SUPPLY.
7. CONNECT NEW REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY TO NEW OR EXISTING SYSTEM.
8. NEW OR EXISTING TO SYSTEM.
9. PIPE COUPLING.
10. NEW TYPE "K" COPPER TUBE, WROUGHT FITTINGS BCup2 BRAZED JOINTING BELOW GRADE. ABOVE GRADE SHALL BE SOLDERED WITH LEAD FREE SOLDER.
11. UNHEATED STRONG BOX ENCLOSURE FOR BACKFLOW PREVENTER. SIZE AS REQUIRED BY BACK FLOW PREVENTER SELECTED. SEE "STRONG BOX" DETAILS ON DRAWING P10.
12. 6" THICK REINFORCED CONCRETE PAD SIZED TO ACCOMMODATE "STRONG BOX" SELECTED. "STRONG BOX" SHALL BE MOUNTED SECURELY TO SLAB WITH TAMPER PROOF FASTENERS.
13. FINISHED GRADE.
14. PVC PIPE SLEEVE THRU CONCRETE SLAB. SEAL WITH SILICONE SEALANT.
15. BACK FILL SHALL BE COMPACTED IN 8" LIFTS TO 95% PROCTOR DENSITY TO FINAL FINISHED GRADE ELEVATION.
16. (RETROFIT) THE CONTRACTOR SHALL REMOVE SUFFICIENT PIPING TO ALLOW FOR THE INSTALLATION OF THE NEW BACKFLOW PREVENTION DEVICE.



INSTALLATION DETAIL
IRRIGATION SYSTEM
NOT TO SCALE

GENERAL NOTES:

1. ENTIRE UNIT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
2. STRONG BOX TO BE AS MANUFACTURED BY BPI "GUARDSHACK" GS SERIES, FOREST GREEN COLOR.

DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT	
DRAWN: DPS	BACKFLOW PREVENTER STANDARDS
CHECKED: DPS	REDUCED PRESSURE BFP FOR
APPROVED: DPS	IRRIGATION SYSTEMS DETAIL
DATE: 11/20/03	
SCALE: NONE	
DWG. NO. 15431-P04	REV. 0
	SHEET: 4 OF: 12