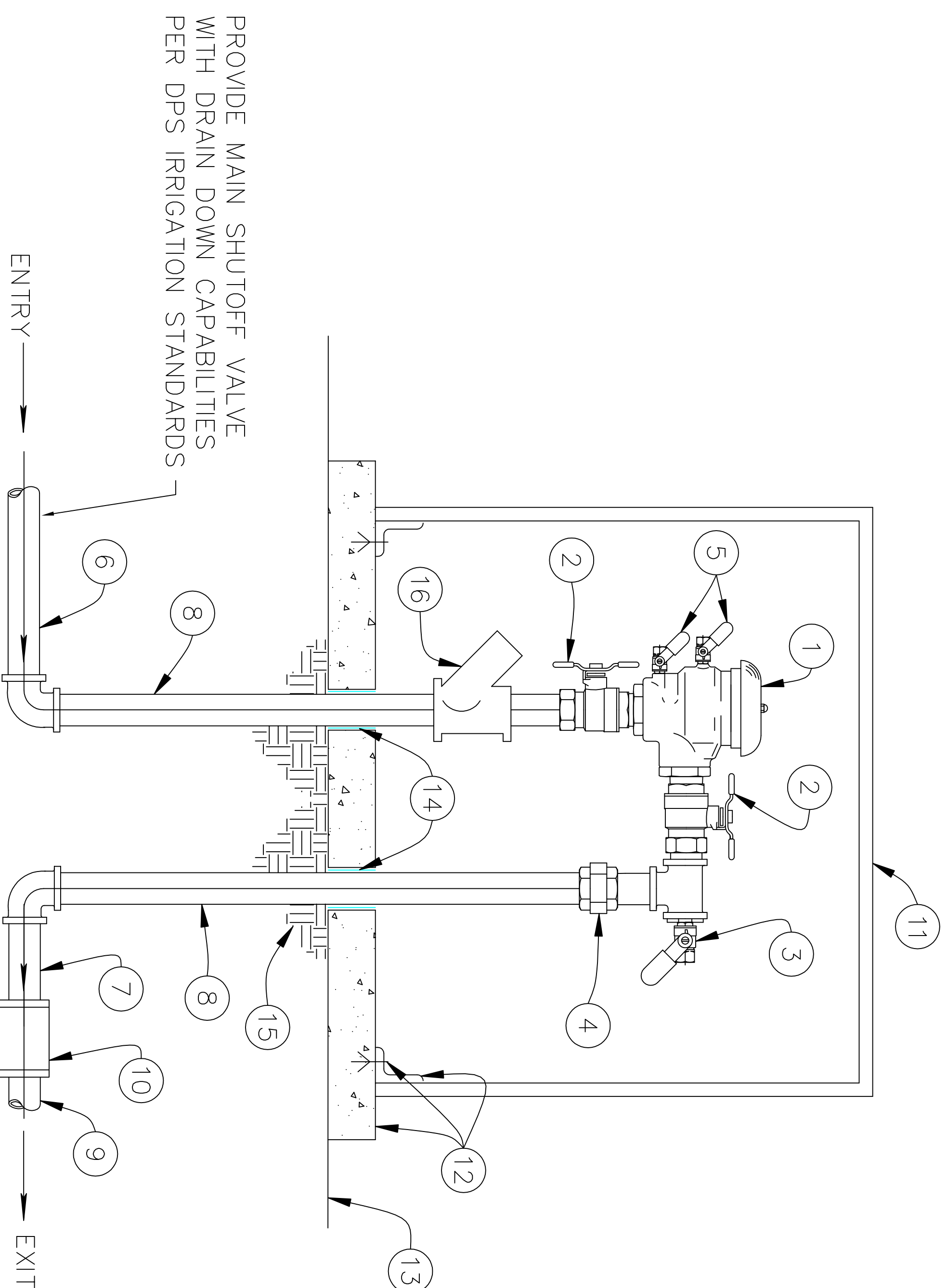


FLAG NOTES: ○

1. PROVIDE NEW PRESSURE VACUUM BREAKER ON NEW OR EXISTING DOMESTIC POTABLE WATER SYSTEM AND CONNECT DISCHARGE TO NEW OR EXISTING IRRIGATION SYSTEM.
2. BALL VALVE FURNISHED WITH PRESSURE VACUUM BREAKER ASSEMBLY.
3. COMBINATION DRAIN VALVE AND SYSTEM BLOW DOWN CONNECTION. (BALL VALVE)
4. PIPE UNION.
5. PRESSURE VACUUM BREAKER TEST CONNECTIONS.
6. NEW OR EXISTING DOMESTIC WATER LINE TO VACUUM BREAKER AND IRRIGATION SYSTEM.
7. CONNECT NEW PRESSURE VACUUM BREAKER TO NEW OR EXISTING IRRIGATION SYSTEM.
8. NEW TYPE K COPPER TUBE. WROUGHT FITTINGS AND JOINTS BELOW GRADE SHALL BE BRAZED USING BCup2 BRAZING ALLOY. ABOVE GROUND COPPER SHALL BE SOLDERED WITH LEAD FREE SOLDER.
9. NEW OR EXISTING IRRIGATION SYSTEM.
10. PIPE COUPLING.
11. UNHEATED STRONG BOX ENCLOSURE FOR PRESSURE VACUUM BREAKER SIZE AS REQUIRED BY DEVICE SELECTED. SEE "STRONG BOX" DETAILS ON DRAWING P10.
12. 6" THICK MIN. REINFORCED CONCRETE PAD SIZED TO ACCOMMODATE STRONG BOX SELECTED. STRONG BOX SHALL BE MOUNTED SECURELY TO SLAB WITH TAMPER RESISTANT FASTENERS.
13. FINISHED GRADE.
14. PVC PIPE SLEEVE THRU CONCRETE SLAB. SEAL BETWEEN SLEEVE AND CONCRETE WITH SILICONE SEALANT.
15. BACK FILL SHALL BE COMPACTED IN 8" LIFTS TO 95% PROCTOR DENSITY TO FINISHED GRADE.
16. WYE STRAINER WITH PLUG.



**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 BPD "GUARDSHACK" GS SERIES, FOREST GREEN COLOR.
3. THIS UNIT TO BE USED ONLY WHERE IT CAN BE INSTALLED 12" ABOVE THE HIGHEST IRRIGATION SPRINKLER HEAD AND APPROVED BY OWNER.

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|--|--------------------|
| <b>DENVER PUBLIC SCHOOLS</b><br>DEPARTMENT OF FACILITIES MANAGEMENT  |                    |
| BACKFLOW PREVENTER STANDARDS<br>2" AND SMALLER<br>PRESSURE VACUUM BREAKER<br>FOR IRRIGATION SYSTEMS DETAIL |                    |
| DRAWN: DPS   | DWG. NO. 15431-P05 |
| CHECKED: DPS   | REV. 0             |
| APPROVED: DPS  | SHEET: 5 OF: 12    |
| DATE: 11/20/03   |                    |
| SCALE: NONE  |                    |