



1" QUARTER TURN HEAVY DUTY HAND BALL VALVE WITH CARSON MODEL 910 VALVE BOX

PLASTIC OR CONCRETE BOX

12" THICK SAND OR 1 1/2" MINUS WASHED ROCK

**MATERIAL LIST:**

- ① SERVICE LINE
- ② UNION
- ③ NIPPLE
- ④ SHUT-OFF VALVE
- ⑤ CHECK VALVES (D.O.H. APPROVED)
- ⑥ TEST COCKS

**GENERAL NOTES:**

1. THOROUGHLY FLUSH THE LINES PRIOR TO INSTALLING DCVA.
2. IF THE IRRIGATION SYSTEM IS TAPPED OFF OF THE DOMESTIC SERVICE LINE, A HEAVY DUTY HAND BALL VALVE MUST BE INSTALLED IN A OFFSET VALVE BOX (CARSON MODEL 910) WITHIN 18" BEFORE THE CHECK VALVE ASSEMBLY. SEE CITY DETAIL.
3. THE DEPTH OF THE VAULT SHALL NOT EXCEED 3.5'.

CITY OF TUMWATER, WASHINGTON  
DEPT. OF PUBLIC WORKS

**DOUBLE CHECK VALVE  
ASSEMBLY FOR 2" OR  
SMALLER IRRIGATION**

APPROVED BY:

DWG. NO.

CITY ENGINEER

**WA-35**

DES.  
PW

DWG. BY  
PW

CK'D BY  
KMC

DATE  
JULY 2014

NOT TO  
SCALE