

CARSON SPEC. GRADE 910  
ROUND BOX WITH BOLT  
DOWN T LID (GREEN), OR  
APPROVED EQUAL

8" DIA. SCH 40 PVC  
RISER, LENGTH AS  
REQUIRED

6" DEPTH 3/8" GRAVEL  
BACKFILL FOR  
DRAINS PER  
WSDOT 9-03.12(4)

(2) PAVING  
BRICKS

2" MUELLER MARK II  
ORISEAL CURB VALVE,  
CENTERED  
WITHIN RISER

2" BRASS PIPE FROM METER

2" BRASS T x T UNION,  
TO LOOSEN OUTWARD  
AWAY FROM VALVE  
(BOTH SIDES)

2" BRASS NIPPLE  
(BOTH SIDES)

NOTCH RISER AS  
NECESSARY TO FIT  
CLEANLY OVER NIPPLE

FINISH GRADE TO BE 1",  
OR SPECIFIED DEPTH OF  
MULCH PLUS 1", BELOW  
TOP OF VAULT AND BOX

FOGTITE MODEL #25TA  
CONCRETE VAULT WITH  
ADJUSTABLE LOCKING  
METAL LID

WILKINS 950 XLT2 DOUBLE CHECK BACKFLOW  
PREVENTER WITH BUILT IN UNIONS

WEATHERMATIC 8,200 BRASS AUTOMATIC  
CONTROL MASTER VALVE (NORMALLY CLOSED)

1" BUCKNER QB5 LRC-10 QUICK  
COUPLING VALVE

1" BRASS CLOSE NIPPLE

2"x2"x1" BRASS TEE

2" BRASS 90  
(BOTH SIDES)

2"x12" BRASS  
NIPPLE (BOTH SIDES)

2" BRASS 90  
(BOTH SIDES)

2" BRASS CLOSE NIPPLES

2" BRASS PIPE

2" BRASS PIPE TO FLOW SENSOR

24" MIN.  
36" MAX.

GROUT OPENINGS,  
TYP.

LOOPED AND ZIP  
TIED 14 GA.  
INSULATED  
COMMON AND  
LEAD WIRES  
-PLACE ALL  
SPICES IN DBY  
SPICE KIT  
-PROVIDE A MIN.  
48" OF COILED  
SLACK WITHIN  
VAULT

1 CUBIC FOOT DRY  
SUMP LINED WITH  
FILTER FABRIC AND  
FILLED WITH 3/8"  
GRAVEL BACKFILL  
FOR DRAINS PER  
WSDOT 9-03.12(4)

40 MIL. PVC  
TAPE AT GROUTED  
OPENINGS, TYP.  
COMPACT NATIVE SOIL  
6" DEPTH 5/8" CRUSHED  
AGGREGATE PER WSDOT  
9.039(3) COMPACTED  
TO 95% DENSITY

1 CUBIC FOOT DRY SUMP  
LINED WITH FILTER FABRIC  
AND FILLED WITH 3/8"  
GRAVEL BACKFILL FOR DRAINS  
PER WSDOT 9-03.12(4) AT  
BOTH ENDS OF VAULT UNDER  
WEEP HOLES, OR PLUMB TO  
NEAREST DRAIN



City of  
Bellevue

TITLE:

IRRIGATION - DOUBLE CHECK VALVE ASSEMBLY IN  
VAULT WITH AUTOMATIC CONTROL MASTER VALVE

DRAWING #:	PK-IR-02C
SCALE:	N.T.S.
REVISION DATE:	01-2019
DEPARTMENT:	PARKS