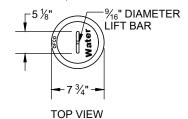
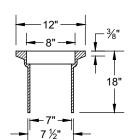
VALVE BOX & CONCRETE COLLAR DIRECTION OF TRAVEL **TOP VIEW** 24" CONCRETE COLLAR (INSTALL IN UNPAVED AREAS) 8" MIN. DEPTH 18'

LID: LIFT POCKET 1" WIDE x 1 1/4" DEEP





SIDE VIEW

SIDE VIEW PICK-TYPE COVER WITH "WATER" OR "W" EMBOSSED ON TOP LOCATE WIRE COIL TO ALLOW 3' REACH ABOVE FINAL SURFACE FINISH GRADE **GRADE**

12" MIN.

30" MAX

VALVE BOX

EXTENSION

12 GAUGE

PIPE. (10'

COATED BLUE

COPPER TRACER

WIRE. STRAP TO

SPACING MAX)

VALVE BOX

VALVE BOX

EXTENSION

ASSEMBLY

SHALL NOT REST

ON OPERATING

NOTES:

- 1. THE VALVE BOX ASSEMBLY SHALL CONSIST OF THE ADJUSTABLE VALVE BOX (FRAME AND COVER), VALVE BOX EXTENSION, OPERATOR EXTENSION IF NEEDED, AND CONCRETE COLLAR IF NEEDED.
- 2. VALVE BOXES SHALL BE SUPPLIED WITHOUT BOTTOM FLANGES.
- 3. THE VALVE BOX, AND EXTENSION SHALL BE INSTALLED PLUMB AND CENTERED OVER THE OPERATING NUT ON THE VALVE.
- 4. VALVE BOX EXTENSION SHALL EXTEND FROM TOP OF VALVE BONNET TO MIDDLE OF VALVE BOX AND BE ONE PIECE.
- 5. CONCRETE COLLAR SHALL BE 3000 PSI COMMERCIAL GRADE CONCRETE.
- 6. FOR THE PURPOSES OF THE PLANS AND SPECIFICATIONS THE VALVE BOX ASSEMBLY IS ALSO CALLED OUT AS A "VALVE BOX".
- 7. TOLERANCE = $\frac{1}{8}$ ".
- 8. EXTENSIONS SHALL BE 3034 PVC PIPE (THICK WALL).
- 9. VALVE BOXES SHALL MEET SECTION 9-30.3(4) OF THE STD. SPECS.
- 10. VALVE BOX MATERIAL SHALL BE CAST IRON ASTM A-48, CL 30.
- 11. VALVE BOX SHALL BE OLYMPIC FOUNDARY PART NO. VB910, OR EQUAL.

N.T.S.

CITY ENGINEER APPROVAL: Michael Kardas, P.E.

DATE:

MAY 2021

KW-120-21

STANDARD PLAN NO.

VALVE BOX ASSEMBLY

CITY OF KELSO DEPARTMENT OF COMMUNITY DEVELOPMENT & ENGINEERING