**STANDARD INSTALLATION OF CAST IRON VALVE BOX & VALVE OPERATING NUT EXTENSION**

**Sheet 1/2**

**PUD NO. 1 OF SKAGIT COUNTY ENGINEERING MANAGER**

**APPROVED ON:** MAY 6, 2014

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**SET VALVE CASING TOP TO FINISHED PAVEMENT GRADE, OR RESET AFTER PAVING WORK.**

**FINISHED PAVEMENT GRADE**

**PAVING**

**BARE 1" OF WIRE AT LOOP**

**95% COMPACTED 5/8" CRUSHED ROCK OR STONE SAND**

**5/8" PVC SEWER PIPE**

**CUT PLAIN END OF 6" PVC SEWER PIPE SO THAT IT IS A MINIMUM OF 4" OR A MAXIMUM OF 8" BELOW FINISHED PAVEMENT GRADE.**

**6" PVC SEWER PIPE VALVE EXTENSION IF REQUIRED**

**OLYMPIC FOUNDRY, PART NO. VB007/SKAGIT**

**UNDER NUT**

**5-1/2" DIA 3/16" MIN THICKNESS**

**3/16" MIN THICKNESS**

**5/8" DIA COLD ROLL ROD**

**2-1/4" INSIDE MEASUREMENT DEPTH**

**VALVE OPERATING NUT EXTENSION**

**EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN THREE (3) FEET BELOW FINISHED GRADE. THE FINISH ELEVATION OF THE OPERATING NUT IS TO BE 2" - 3" BELOW FINISH GRADE. EXTENSIONS ARE TO BE A MINIMUM OF ONE (1) FOOT LONG. ONLY ONE EXTENSION TO BE USED PER VALVE.**

**NOTE:**

1) ALL EXTENSIONS ARE TO BE MADE OF STEEL SIZED AS NOTED, AND PAINTED WITH TWO COATS OF METAL PAINT. WELD ALL PARTS.

2) A CARBONATE CWV-116 BLUE MARKER POST WILL BE INSTALLED AT ALL VALVE(S) LOCATIONS UNLESS DIRECTED OTHERWISE BY DISTRICT REPRESENTATIVE.

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**VALVE CASING IN PAVED AREAS, STREETS AND SIDEWALKS**

**REFER TO "RECOMMENDED PROCEDURE FOR SETTING VALVE BOXES IN ASPHALT PAVING" (SHEET 2)**

**Olympic Foundry, Part No. VB007/ Skagit Cast Iron Valve Box**

**CAST IRON COVER AND RING**

**FINISHED GRADE**

**95% COMPACTED 5/8" CRUSHED ROCK OR STONE SAND**

**#10 SOLID COPPER WIRE BLUE COATED**

**CUT PLAIN END OF 6" PVC SEWER PIPE SO IT IS A MINIMUM OF 4" OR MAXIMUM OF 8" BELOW FINISHED GRADE.**

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**VALVE CASING IN UNPAVED AREAS**

**SECTION A-A**

**Olympic Foundry, Part No. VB007/ Skagit Cast Iron Valve Box**

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**VALVE OPERATING NUT EXTENSION**

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**NOTE:**

1) ALL EXTENSIONS ARE TO BE MADE OF STEEL SIZED AS NOTED, AND PAINTED WITH TWO COATS OF METAL PAINT. WELD ALL PARTS.

2) A CARBONATE CWV-116 BLUE MARKER POST WILL BE INSTALLED AT ALL VALVE(S) LOCATIONS UNLESS DIRECTED OTHERWISE BY DISTRICT REPRESENTATIVE.

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**VALVE CASING EXTENSION**

**IF THE 6" PVC VALVE CASING PIPE DOES NOT EXTEND HIGH ENOUGH TO SUPPORT THE CAST IRON VALVE BOX, AN EXTENSION CAN BE ADDED FOLLOWING THE PROCEDURE BELOW:**

1. CUT A 6" PVC SEWER PIPE 6" - 8" LONGER THAN THE RISE NECESSARY.
2. SPLICE THE 6" PVC SEWER PIPE THE FULL LENGTH.
3. CURL CASING EXTENSION INTO ITSELF AND PLACE INSIDE EXISTING PVC VALVE CASING THE 6"-8" ALLOWED FOR IN STEP 1. INSTALL VALVE BOX.