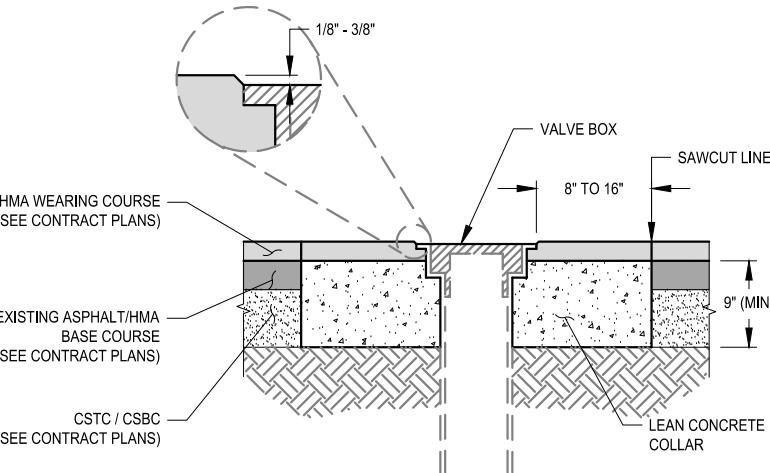
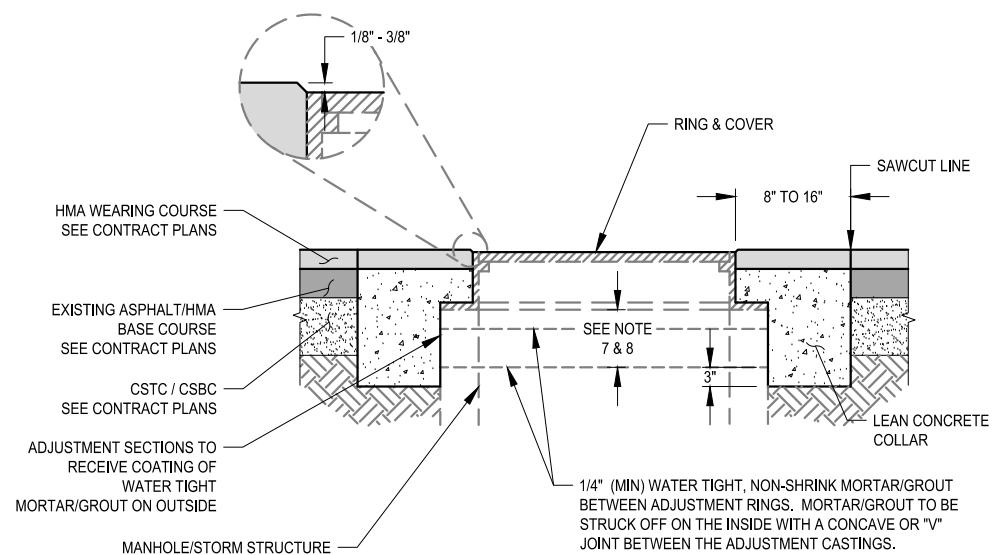


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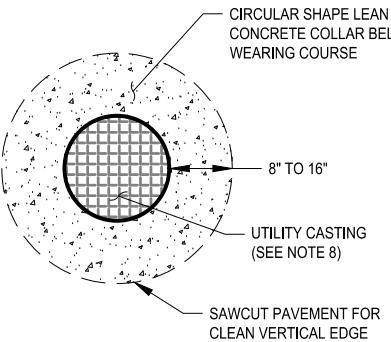
**ELEVATION VIEW - VALVE**

Diagram showing the cross-section of a valve box. Labels include: HMA WEARING COURSE (SEE CONTRACT PLANS), EXISTING ASPHALT/HMA BASE COURSE (SEE CONTRACT PLANS), CSTM / CSBC (SEE CONTRACT PLANS), VALVE BOX, SAWCUT LINE, 8" TO 16", 9" (MIN), and LEAN CONCRETE COLLAR. A callout shows a circular detail with a depth of 1/8" - 3/8".



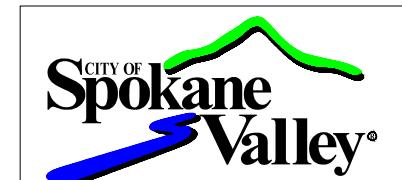
**ELEVATION VIEW - MANHOLE/STORM STRUCTURE**

Diagram showing the cross-section of a manhole/storm structure. Labels include: HMA WEARING COURSE SEE CONTRACT PLANS, EXISTING ASPHALT/HMA BASE COURSE SEE CONTRACT PLANS, CSTM / CSBC SEE CONTRACT PLANS, ADJUSTMENT SECTIONS TO RECEIVE COATING OF WATER TIGHT MORTAR/GROUT ON OUTSIDE, MANHOLE/STORM STRUCTURE, RING & COVER, SAWCUT LINE, 8" TO 16", 3", and LEAN CONCRETE COLLAR. A callout shows a circular detail with a depth of 1/8" - 3/8". A note states: 1/4" (MIN) WATER TIGHT, NON-SHRINK MORTAR/GROUT BETWEEN ADJUSTMENT RINGS. MORTAR/GROUT TO BE STRUCK OFF ON THE INSIDE WITH A CONCAVE OR "V" JOINT BETWEEN THE ADJUSTMENT CASTINGS.



**PLAN VIEW**

Diagram showing the circular plan view of a utility casting. Labels include: CIRCULAR SHAPE LEAN CONCRETE COLLAR BELOW WEARING COURSE, 8" TO 16", UTILITY CASTING (SEE NOTE 8), and SAWCUT PAVEMENT FOR CLEAN VERTICAL EDGE.



**CITY OF Spokane Valley®**

**GENERAL NOTES:**

1. UTILITY ADJUSTMENTS ARE TO BE COMPLETED AFTER PLACING THE FINAL HMA LIFT.
2. UTILITY COVERS SUCH AS FRAMES, GRATES AND LIDS FOR SEWER MANHOLES, STORMWATER MANHOLES AND CATCH BASINS, WATER VALVE BOXES, GAS VALVE BOXES, COMMUNICATION AND POWER VAULTS, MONUMENT CASES, PULL BOXES AND JUNCTION BOXES IN THE ROADWAY SHALL BE SET 1/8 INCH (MIN.) TO 3/8 INCH (MAX.) BELOW THE FINAL TOP OF ASPHALT SURFACE.
3. CATCH BASIN AND INLET GRATES, SET IN OR ADJACENT TO CURBING, SHALL BE SET 1/2 INCH BELOW GUTTER GRADE PER STD. PLAN S-117.
4. THE REQUIRED ELEVATION DIFFERENCE BETWEEN THE PAVEMENT AND UTILITY COVER SHALL BE MEASURED FROM THE BOTTOM OF A 10-FOOT LONG STRAIGHT EDGE TO THE TOP OF THE FRAME. THE STRAIGHT EDGE SHALL BE CHECKED OVER THE FRAME IN BOTH DIRECTIONS (PARALLEL AND AND PERPENDICULAR TO THE TRAVEL WAY).
5. UTILITY COVERS LOCATED WITHIN PEDESTRIAN ACCESS ROUTES SHALL CONFORM WITH ALL CURRENT A.D.A. GUIDELINES, INCLUDING NON-SLIP/SKID RESISTANT SURFACE.
6. A CIRCULAR SHAPE CONCRETE COLLAR IS REQUIRED ON ALL INSTALLATIONS/ADJUSTMENTS. CONCRETE SHALL MEET THE REQUIREMENTS OF LEAN CONCRETE PER WSDOT STANDARD SPECIFICATIONS SECTION 6-02.3(2)D AND HAVE CEMENTITIOUS CONTENT WITHIN THE RANGE OF 280 LBS (MIN.) TO 330 LBS (MAX.).
7. FOR SEWER MANHOLES, THE VERTICAL DISTANCE BETWEEN THE TOP OF STRUCTURE AND BOTTOM OF FRAME SHALL BE A MINIMUM OF 2" AND SHALL NOT TO EXCEED 13".
8. ADJUSTMENTS 1" OR GREATER TO BE MADE WITH PRECAST CONCRETE ADJUSTMENT RINGS ONLY.

**APPROVED BY:**



ROBERT B. BLEGEN, P.E.  
PUBLIC WORKS DIRECTOR

**UTILITY COVER  
ADJUSTMENT**

**STANDARD PLAN NO.  
S-106**

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