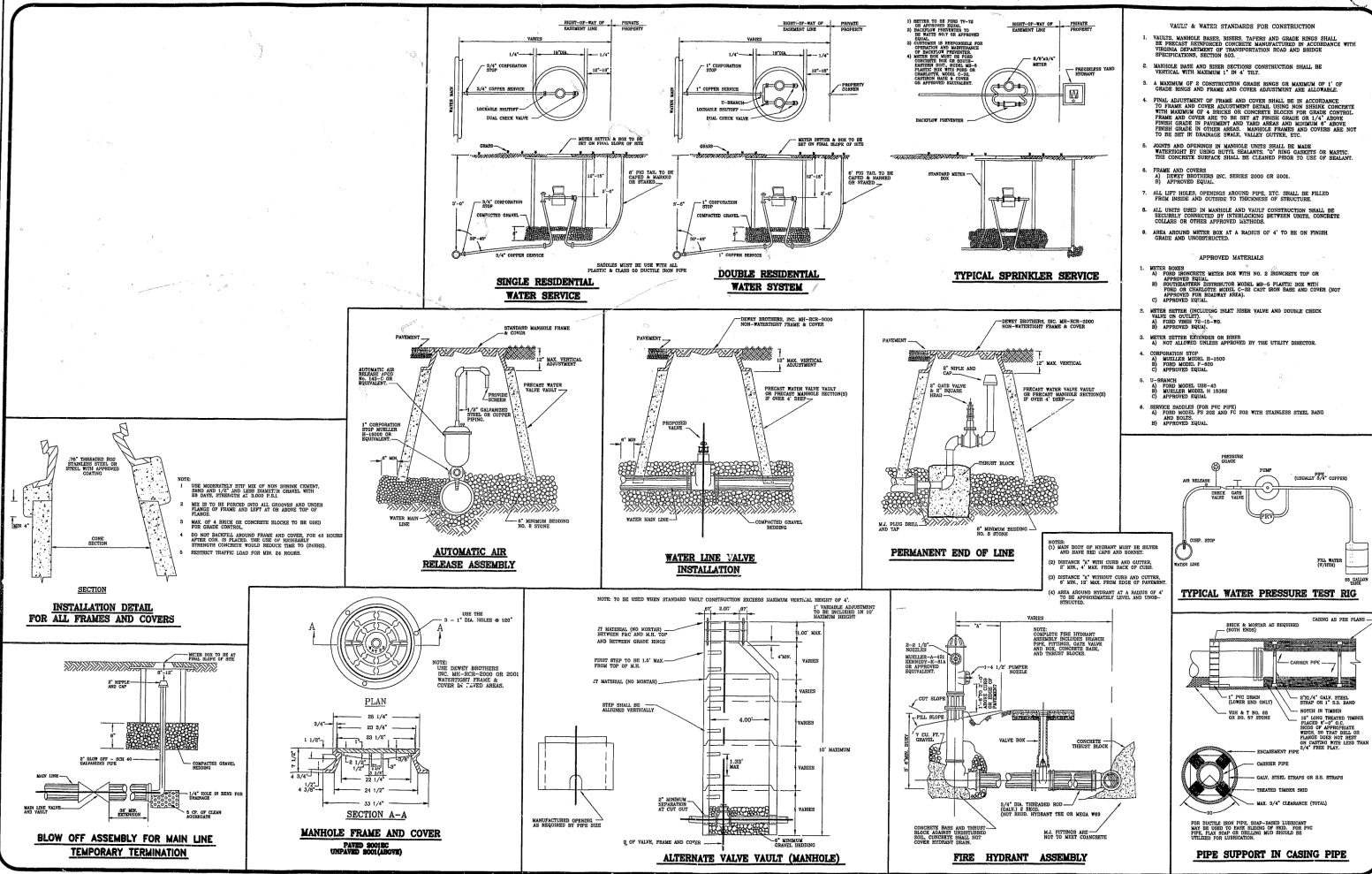




- WATER STANDARDS FOR CONSTRUCTION**
1. VALVE, MANHOLE, FRAME, COVER, FRAME AND COVER SHALL BE PRECAST REINFORCED CONCRETE MANUFACTURED IN ACCORDANCE WITH VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS, SECTION 603.
  2. MANHOLE FRAME AND COVER SECTIONS CONSTRUCTION SHALL BE VERTICAL WITH MAXIMUM 1" IN 4" TILT.
  3. A MAXIMUM OF 2 CONSTRUCTION GRADES SINCE OR MAXIMUM OF 1' OF FRAME SIDES AND FRAME AND COVER ADJUSTMENT ARE ALLOWABLE.
  4. FINAL ADJUSTMENT OF FRAME AND COVER SHALL BE IN ACCORDANCE TO FRAME AND COVER ADJUSTMENT DETAIL USING GROUT CONCRETE WITH MAXIMUM OF 4 BRICKS OR CONCRETE BLOCKS FOR GRADE CONTROL. FRAME AND COVER ARE TO BE SET AT FINISH GRADE OR 1/4" ABOVE FINISH GRADE IN OTHER AREAS. MANHOLE FRAME AND COVER ARE NOT TO BE SET IN DRAINAGE SPALL VALLEY CUTTER, ETC.
  5. JOINTS AND OPENINGS IN MANHOLE UNITS SHALL BE MADE WATERPROOF BY USING BUTYL SEALANT OF 100% SOLIDS OR MAINTIC. THE CONCRETE SURFACE SHALL BE CLEANED PRIOR TO USE OF SEALANT.
  6. FRAME AND COVER
    - a) JACOBI INVERTED INC. SERIES 2000 OR SOLO.
    - b) APPROVED EQUAL.
  7. ALL JOINTS, OPENINGS, JOINTS, ETC. SHALL BE FILLED FROM INSIDE AND OUTSIDE TO THICKNESS OF STRUCTURE.
  8. ALL JOINTS USED IN MANHOLE AND VALVE CONSTRUCTION SHALL BE SECURELY CONNECTED BY INTERLOCKING BETWEEN UNITS. CONCRETE SHALL BE OTHER APPROVED MATERIAL.
  9. AREA AROUND WATER BOX AT A RADIUS OF 4' TO BE ON FINISH GRADE AND UNOBSERVED.
- APPROVED MATERIALS**
1. METAL BOXES
    - a) FROM CONCRETE METAL BOX WITH NO. 2 DISCHARGES TOP ON FRAME AND COVER.
    - b) SOUTHERN CASTING METAL BOX, NO. 6 PLASTIC BOX WITH FROM OR CHARACTER AREA, 1-2 CAST BOX FRAME AND COVER (NOT APPROVED EQUAL).
    - c) APPROVED EQUAL.
  2. METAL BOXES INCLUDING THAT HAVE VALVE AND DOUBLE CHECK VALVE IN BOXES.
    - a) APPROVED EQUAL.
    - b) APPROVED EQUAL.
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**ROANOKE COUNTY WATER DETAILS**  
TOWN OF VINTON, VIRGINIA

Vertical Scale: N/A  
Horizontal Scale: N/A  
Commission Number: 1955-B  
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