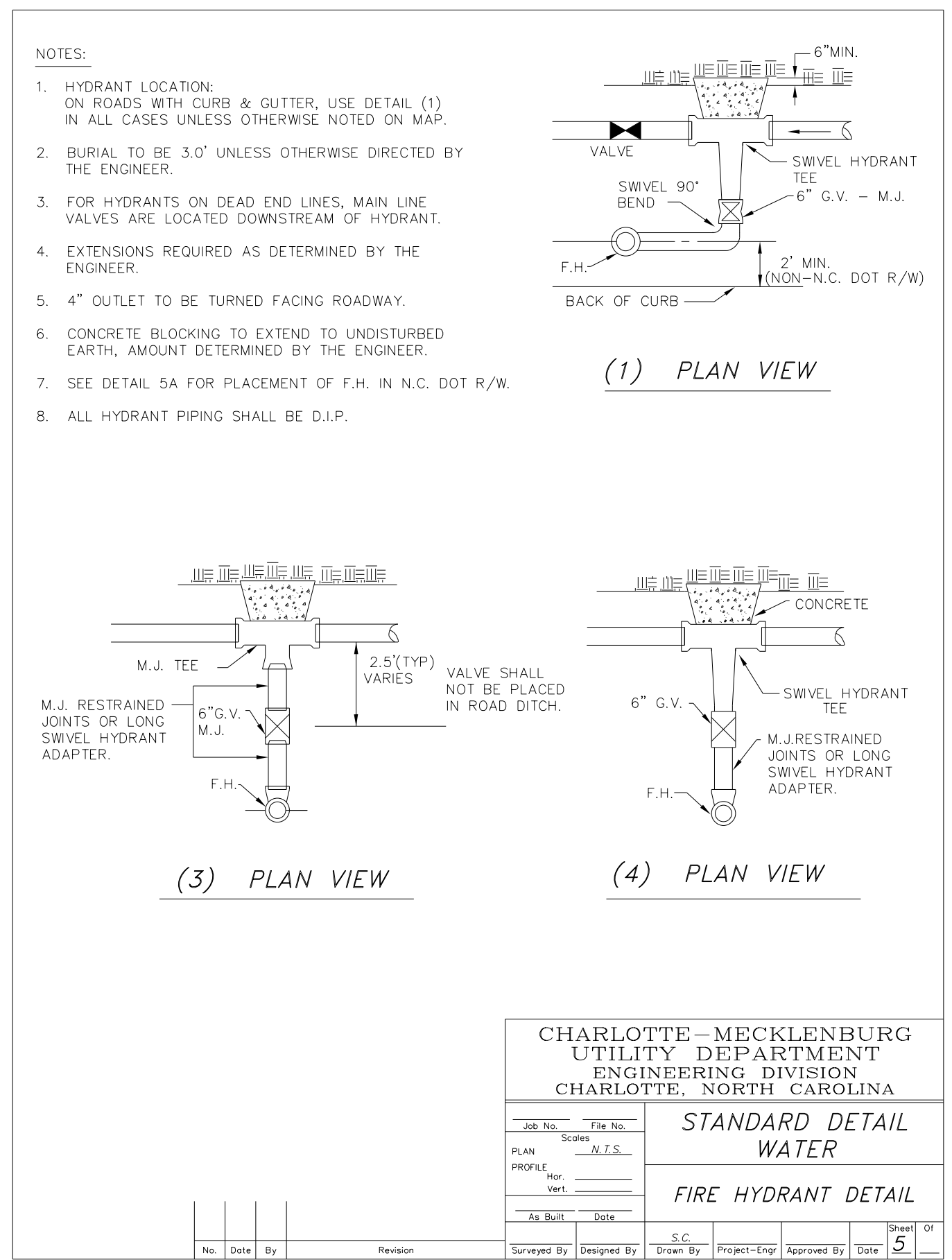
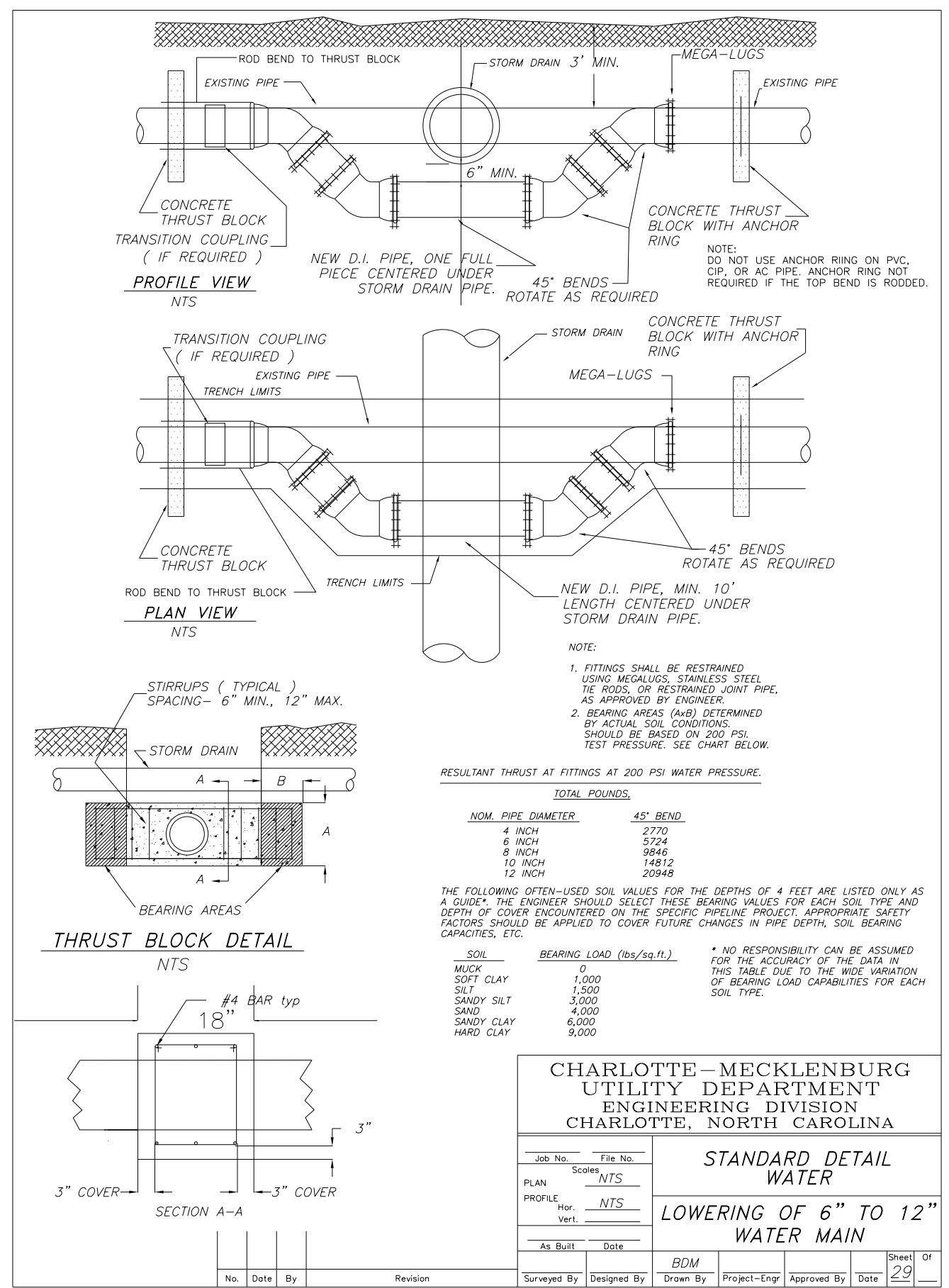


**HINDE ENGINEERING**  
 License No. C-2639  
 10815 Sikes Place, Suite 210 Charlotte, NC 28277

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

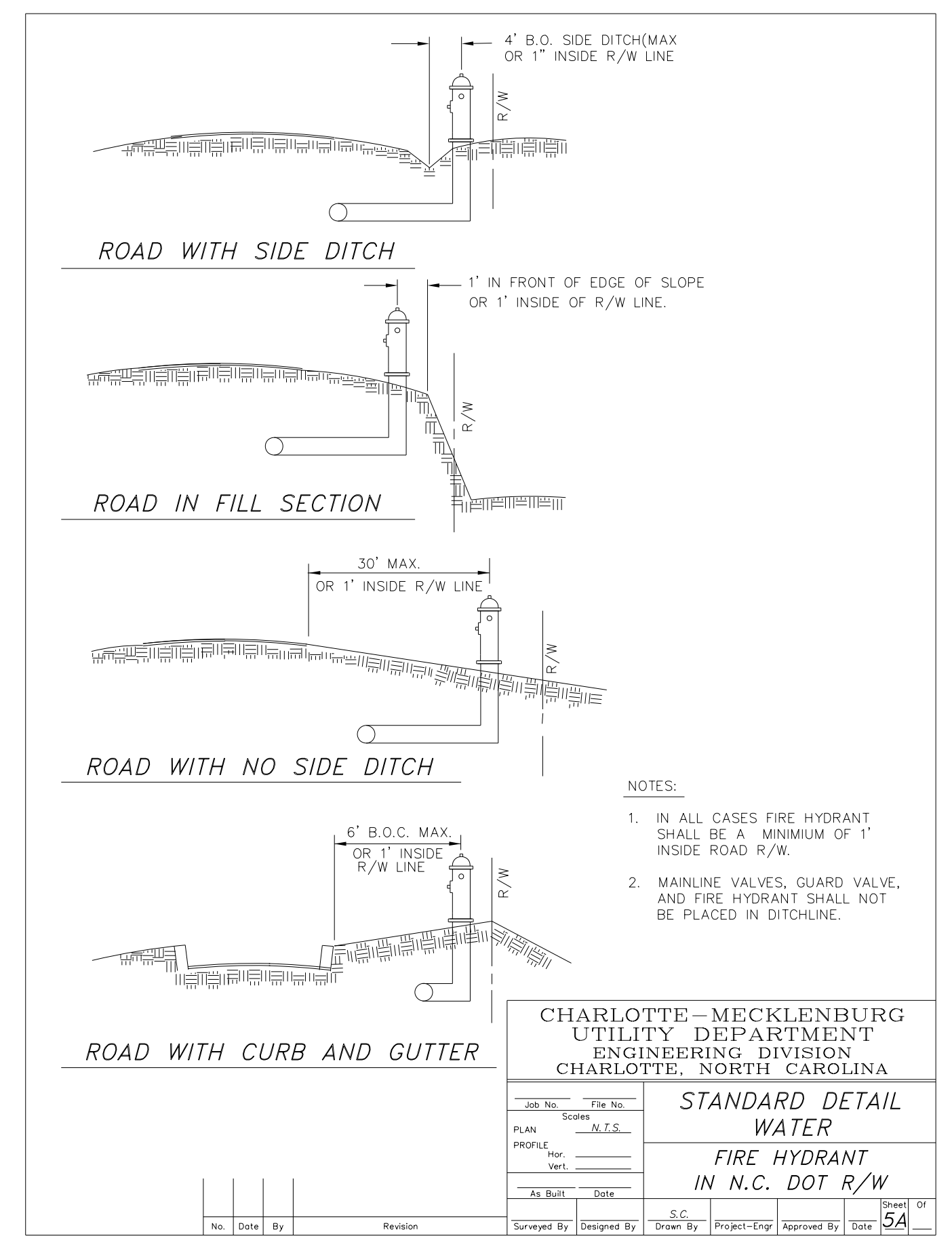
PROJECT REFERENCE NO. <b>U-5108</b>	SHEET NO. <b>UC-3A</b>
DESIGNED BY: <b>JKC</b>	
DRAWN BY: <b>JNA</b>	
CHECKED BY: <b>JKC</b>	
APPROVED BY: <b>CLS</b>	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

### UTILITY CONSTRUCTION



### LIST OF CLTW STANDARD DETAILS

- WATER:**
- AA PRECAST CONCRETE METER BOX - 0.75-INCH DOMESTIC WATER SERVICE
  - BB PRECAST CONCRETE METER BOX 1-INCH DOMESTIC AND IRRIGATION WATER SERVICE
  - FF CAST IRON VALVE BOX 12-INCH AND SMALLER VALVES
  - GG VALVE BOX ADJUSTMENT FOR PAVEMENT RESURFACING
  - HH VALVE BOX ASSEMBLY INSTALLATION 12-INCH AND SMALLER VALVES
  - J MULTIPLE WATER SERVICES - SCHEMATIC
  - K-1 3-4THS AND 1-INCH DOMESTIC WATER SERVICE CONNECTION PART ONE
  - K-2 3-4THS AND 1-INCH DOMESTIC WATER SERVICE CONNECTION PART TWO
  - LL DEAD END THRUST - WALL BLOCKING WITH 2-INCH BLOW-OFF 14 TO 30-INCH MAINS
  - MM 1.5 INCH DOMESTIC WATER SERVICE CONNECTION
  - MM VALVE BOX CONCRETE GRADE RINGS AND FOOTINGS
  - OO PLASTIC WATER METER BOX AND LID - 0.75-INCH DOMESTIC WATER SERVICE
  - PP WATER METER BOX - PLASTIC LID - 0.75 AND 1-INCH DOMESTIC WATER SERVICES
  - R 2-INCH DOMESTIC WATER SERVICE CONNECTION
  - SS TYPE 6 20.5-INCH MANHOLE COVER - USE WITH 16-INCH AND LARGER VALVES
  - TT TYPE F 20.5-INCH MANHOLE FRAME 7-INCH TALL
  - TW1-3 WATER TRACER DETAILS
  - VV FIRE HYDRANT PAINT COLOR SCHEMES - CMUD-CFD STANDARDS - PUBLIC AND PRIVATE HYDRANTS



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