ALTERNATE SPRINKLER RISER, NFPA 13R RISER

TOP VIEW

SPRINKLER VALVE TRIM AREA
APPROACH CLEARANCE

FLOW
18" CLEAR
12" CLEAR
12" CLEAR

FLOW
12" CLEAR
12" CLEAR
18" CLEAR

MANIFOLD BODY
3-WAY GLOBE VALVE
FLOW SWITCH
WATER PRESSURE GAUGE

AWWA SPEC #C151 CLASS 350 FLANGED FITTING, CEMENT LINED DUCTILE IRON

REDUCER OR REDUCER ELBOW

12" MIN. CLEAR

FLOOR DRAIN
36"

TO SPRINKLER SYSTEM
WATER FLOW SWITCH (MUST TIE INTO A CENTRAL STATION)

WATER PRESSURE GAUGE
3-WAY GLOBE VALVE

TEST & DRAIN VALVE
SIGHT GLASS

REDUCED PRESSURE PRINCIPLE DETECTOR ASSEMBLY (18" CLEARANCE ON SIDES) (MOUNT HORIZONTAL ONLY)

TAMPER SWITCH

FLOW
12" MIN. CLEAR

FILL CUP
12" MIN. CLEAR

FILL CUP PIPED TO OUTSIDE OR MAIN DRAIN. DRAIN PIPE SIZED BY ENGINEER.

PIPE STAND (TYP.)

CONCRETE THRUST BLOCK.
NOTE: CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL FITTINGS.

SECTION "A-A"

USE WEDGE ACTION RESTRAINTS

FROM FDC (WALL MOUNTED OR CURB SIDE)

FLOOR DRAIN W/ DEBRIS SCREEN

MAN Main drain to outside

DETAIL No. 06000.17
Sheet 2 of 3

EFFECTIVE: 05/15/20