



**O&M WILL CONNECT TO THE 1" TAPPED CAP AND INSTALL A 1" WATER METER AND BOX. THE CONTRACTOR WILL CONNECT TO THE METER AND INSTALL THE AFD.

BLOW-OFFS SHALL HAVE A 2" FIP BRASS VERTICAL INLET, LEADING INTO A SELF-DRAINING 2" HYDRANT SET IN INSULATED FIBERGLASS BOXES, WITH A MINIMUM PROTECTION OF R8. HYDRANT TOP CAP SHALL BE 15" ABOVE GRADE. THE BLOW-OFF SHALL BE ABLE TO FLUSH AUTOMATICALLY AT CHOSEN INTERVALS, USING A PORTABLE, BATTERY-OPERATED CONTROLLER AND A 2" AUTOMATIC VALVE. FLUSHING INTERVAL MUST BE ABLE TO BE PRE-SET ON CONTROLLER, AND THEN DELIVERED TO SITE. WATER SHALL FLUSH TO A 6" SEWER PIPE TO FLOW WATER TO SANITARY SEWER. A MINIMUM 4" AIR GAP MUST EXIST BETWEEN THE BLOW-OFF OUTLET AND THE SEWER PIPE. ASSEMBLY MUST BE FURNISHED WITH AN ALTERNATE FLUSHING PIPE FOR MANUAL OPERATION. BLOW-OFF SHALL BE MANUFACTURED BY KUPFERLE FOUNDRY, ST. LOUIS, MO MODEL #9600TS ,OR APPROVED EQUAL.

DRAWING NOT TO SCALE

JANUARY 2019

DRAWN BY: DKH

APPROVED BY: VHS

DATE REVISED:

**AUTOMATIC WATER MAIN
BLOW-OFF AFD ASSEMBLY**

STANDARD
DRAWING NO.

W-22B

MURFREESBORO WATER RESOURCES DEPARTMENT