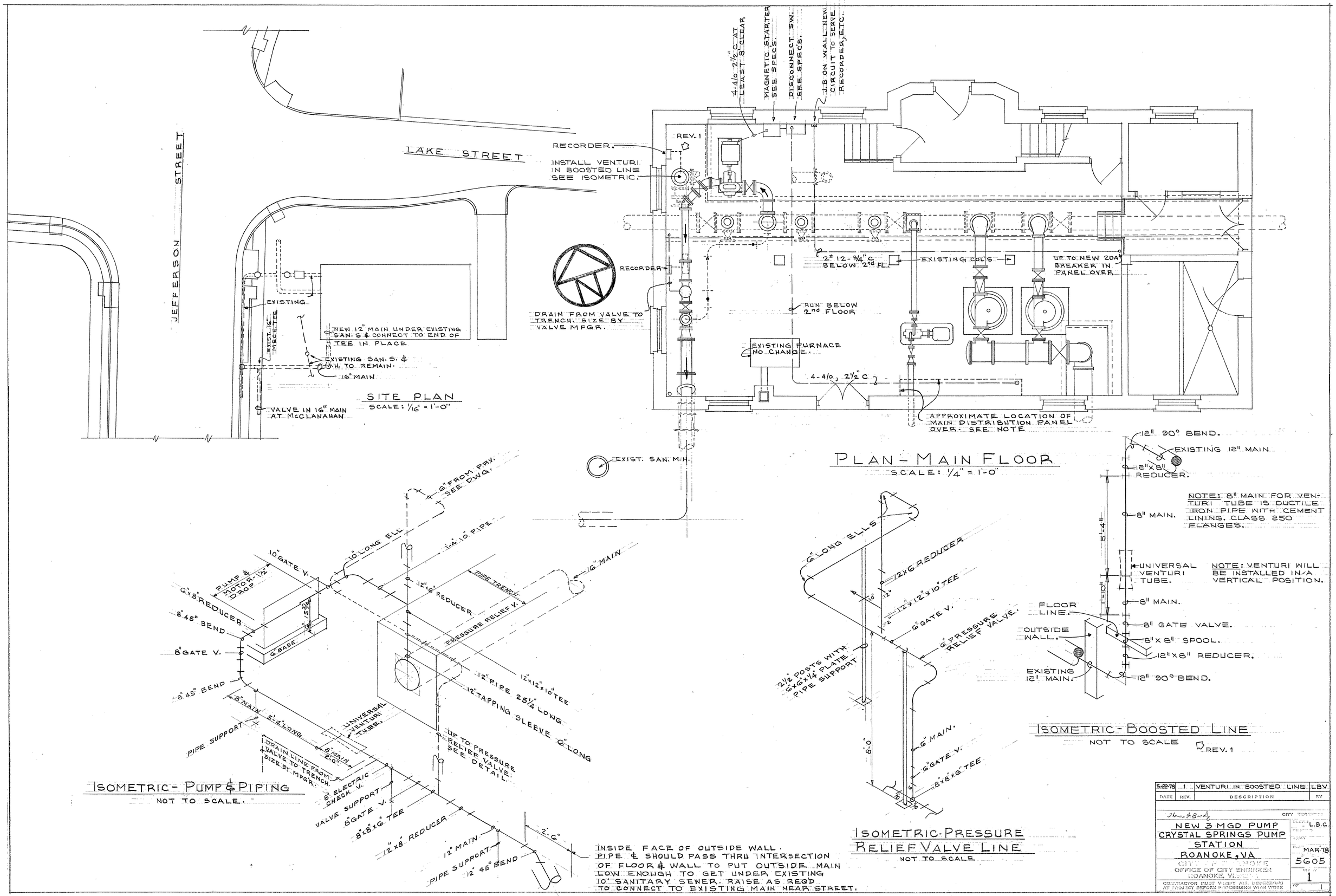
LAKE STREET
JEFFERSON STREET
EXISTING
EXIST. 16" MECH. TEE
NEW 12" MAIN UNDER EXISTING SAN. S & CONNECT TO END OF TEE IN PLACE
EXISTING SAN. S. & M.H. TO REMAIN.
16" MAIN
VALVE IN 16" MAIN AT McCLANAHAN
SITE PLAN
SCALE: 1/16" = 1'-0"
RECORDER.
INSTALL VENTURI IN BOOSTED LINE SEE ISOMETRIC.
REV. 1
4-4/0, 2 1/2" C AT LEAST 8" CLEAR
MAGNETIC STARTER SEE SPECS.
DISCONNECT SW. SEE SPECS.
J.B. ON WALL NEW CIRCUIT TO SERVE RECORDER, ETC.
RECORDER
DRAIN FROM VALVE TO TRENCH. SIZE BY VALVE MFGR.
2# 12-3/4" C BELOW 2nd FL.
EXISTING COL'S
UP TO NEW 20A BREAKER IN PANEL OVER
RUN BELOW 2nd FLOOR
EXISTING FURNACE NO CHANGE.
4-4/0, 2 1/2" C
APPROXIMATE LOCATION OF MAIN DISTRIBUTION PANEL OVER. SEE NOTE
PLAN - MAIN FLOOR
SCALE: 1/4" = 1'-0"
EXIST. SAN. M.H.
6" FROM PRV. SEE DWG.
10" LONG ELL
4' 10" PIPE
10" GATE V.
PUMP & MOTOR 1 1/2" DROP
6"x8" REDUCER
8" 45° BEND
8" GATE V.
8" 45° BEND
6" BASE
8" MAIN 5'-4" LONG
PIPE SUPPORT
12"x6" REDUCER
PIPE TRENCH
PRESSURE RELIEF V.
16" MAIN
12"x12"x10" TEE
12" PIPE 25 1/4" LONG
12" TAPPING SLEEVE 6" LONG
UNIVERSAL VENTURI TUBE.
UP TO PRESSURE RELIEF VALVE. SEE DETAIL.
DRAIN LINE FROM VALVE TO TRENCH. SIZE BY MFGR.
8" MAIN 2'-0"
8" ELECTRIC CHECK V.
VALVE SUPPORT
8" GATE V.
8"x8"x6" TEE
12"x8" REDUCER
12" MAIN
PIPE SUPPORT
12" 45° BEND
2'-6"
ISOMETRIC - PUMP & PIPING
NOT TO SCALE.
INSIDE FACE OF OUTSIDE WALL PIPE & SHOULD PASS THRU INTERSECTION OF FLOOR & WALL TO PUT OUTSIDE MAIN LOW ENOUGH TO GET UNDER EXISTING 10" SANITARY SEWER. RAISE AS REQ'D TO CONNECT TO EXISTING MAIN NEAR STREET.
6" LONG ELLS
12x6 REDUCER
12"
12"x12"x10" TEE
6" GATE V.
6" PRESSURE RELIEF VALVE.
2 1/2" POSTS WITH 6x6x1/4" PLATE PIPE SUPPORT
8'-0"
6" MAIN.
6" GATE V.
8"x8"x6" TEE
ISOMETRIC - PRESSURE RELIEF VALVE LINE
NOT TO SCALE
12" 90° BEND.
EXISTING 12" MAIN
12"x8" REDUCER.
8" MAIN.
5'-4"
NOTE: 8" MAIN FOR VENTURI TUBE IS DUCTILE IRON PIPE WITH CEMENT LINING, CLASS 250 FLANGES.
UNIVERSAL VENTURI TUBE.
NOTE: VENTURI WILL BE INSTALLED IN A VERTICAL POSITION.
1'-10"
8" MAIN.
FLOOR LINE.
8" GATE VALVE.
OUTSIDE WALL.
8"x8" SPOOL.
12"x8" REDUCER.
EXISTING 12" MAIN.
12" 90° BEND.
ISOMETRIC - BOOSTED LINE
NOT TO SCALE
REV. 1
5-22-78 | 1 | VENTURI IN BOOSTED LINE | LBV
DATE | REV. | DESCRIPTION | BY
CITY ENGINEER
NEW 3 MGD PUMP
CRYSTAL SPRINGS PUMP STATION
ROANOKE, VA
CITY OF ROANOKE
OFFICE OF CITY ENGINEER
ROANOKE, VIRGINIA
CONTRACTOR MUST VERIFY ALL DIMENSIONS AT PROJECT BEFORE PROCEEDING WITH WORK
DRAWN L.B.C.
DATE MAR. '78
5605
SHEET 1
OF 1