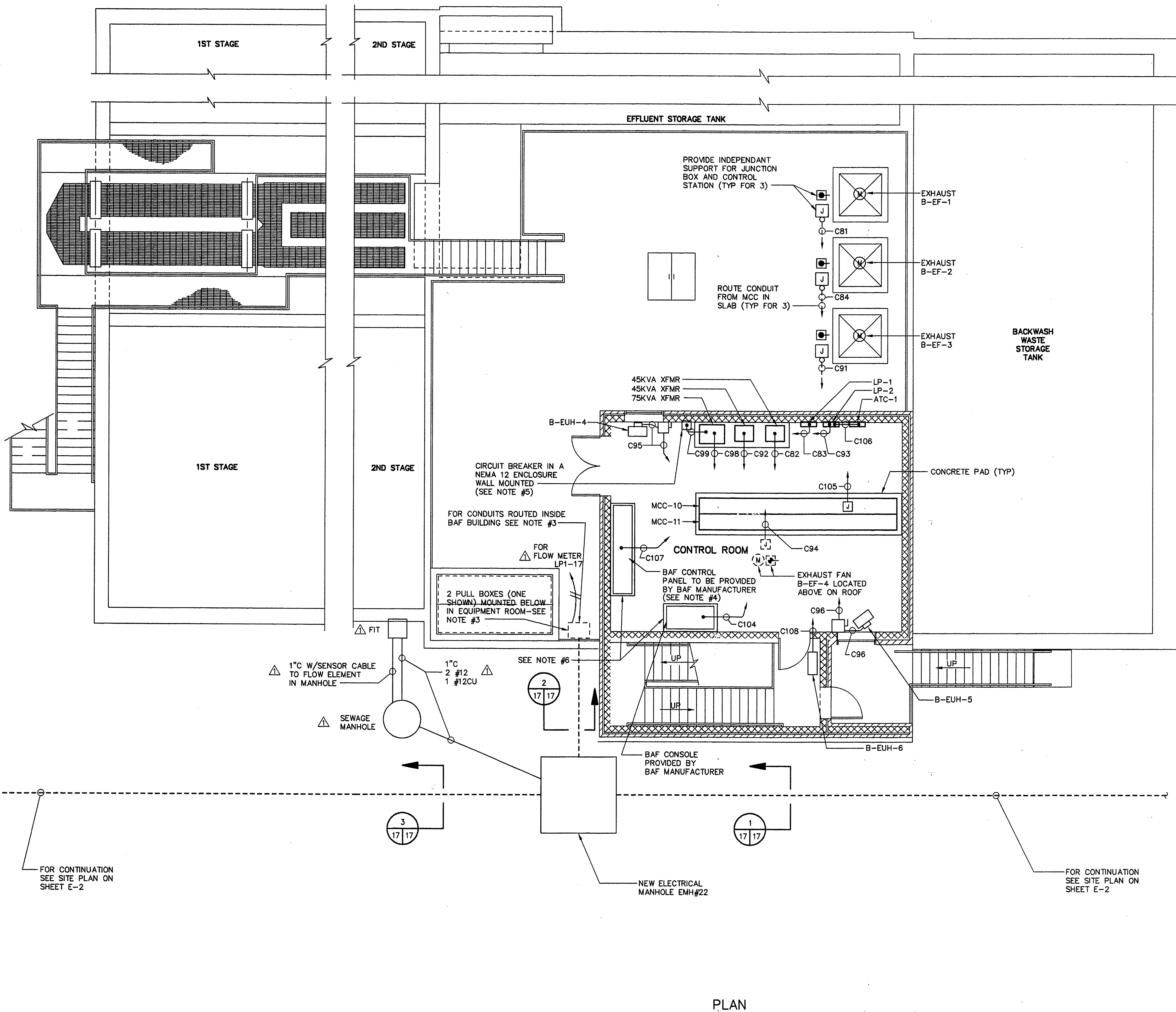
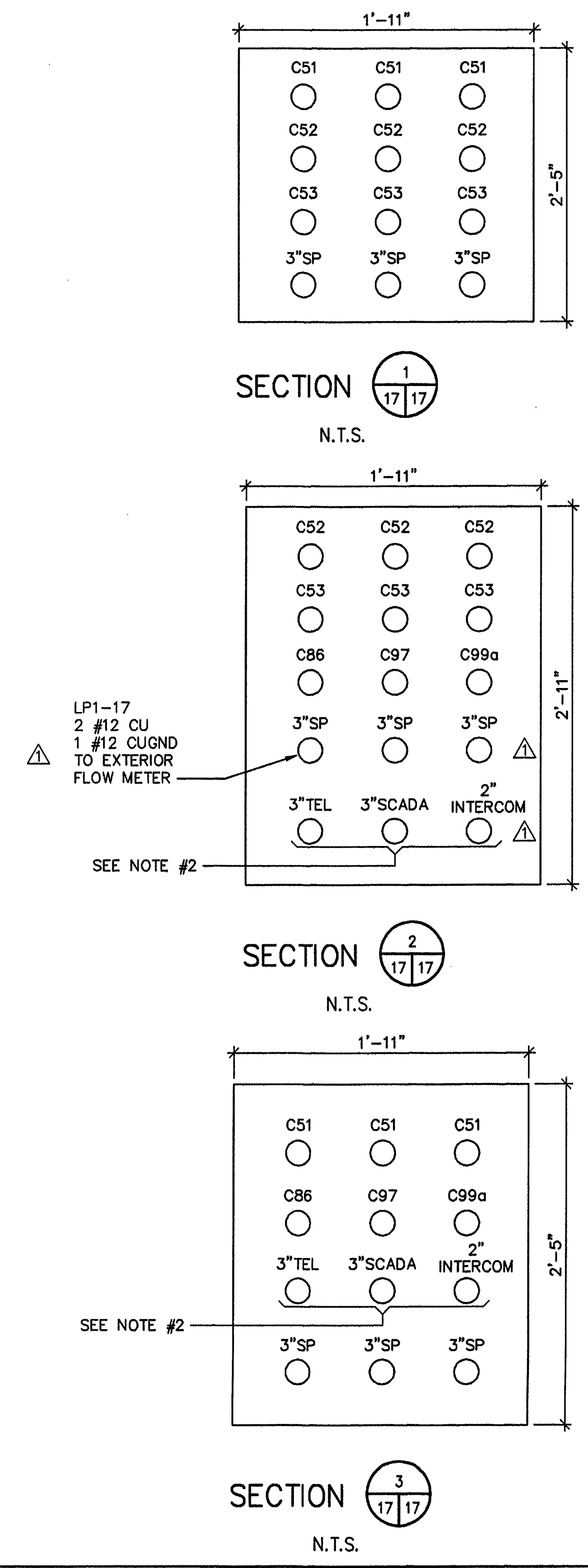


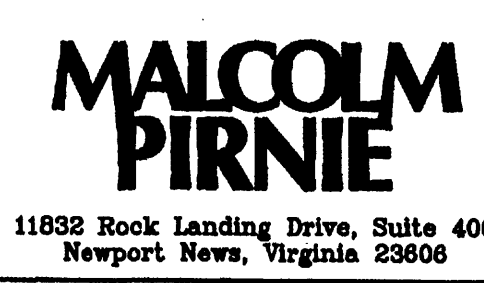


- NOTES:
1. AREA CLASSIFICATION:
 - a. THE CONTROL ROOM IS CONSIDERED A DUSTY LOCATION. ALL MATERIALS, EQUIPMENT AND INCIDENTALS SHALL MEET NEMA 12 REQUIREMENTS. ALL EXPOSED CONDUITS SHALL BE PVC COATED RIGID STEEL.
 - b. OUTDOOR AREAS ARE CONSIDERED WET LOCATIONS. EXPOSED CONDUIT SHALL BE PVC COATED RIGID STEEL. ENCLOSURES SHALL MEET NEMA 4X REQUIREMENTS.
 2. INTERCOM, TELEPHONE AND SCADA CONDUITS SHALL BE RIGID STEEL REGARDLESS OF INSTALLATION.
 3. PROVIDE AND INSTALL 2 PULL BOXES IN THE EQUIPMENT ROOM (SIZE AS REQUIRED). ONE PULL BOX SHALL BE FOR THE 480 VOLT FEEDER (C52, C53, C86, C97 & C99 AND THREE 3" SPARE CONDUITS). THE OTHER PULL BOX IS FOR THE 3" SCADA CONDUIT. ROUTE THE INTERCOM AND TELEPHONE CONDUITS INTO BAF BUILDING AND CAP FOR FUTURE (DO NOT EXTEND INTO EITHER OF THE 2 PULL BOXES). ROUTE POWER CONDUIT AND SCADA CONDUITS FROM PULL BOXES TO DEVICES LOCATED IN CONTROL ROOM (SEE INTERCONNECTION DIAGRAM ON SHEET E-10 AND ONE LINE DIAGRAMS ON SHEETS E-8 & 9 FOR CONDUIT AND WIRE REQUIREMENTS). COORDINATE THE INSTALLATION OF THE CONDUITS IN THE BAF BUILDING WITH CONDUITS AND CABLE TRAY PROVIDED BY BAF MANUFACTURER AND OTHER OBSTRUCTIONS.
 4. ALL FINAL CONNECTIONS FROM CONDUIT C107 TO BAF CONTROL PANEL SHALL BE DONE BY THIS CONTRACTOR.
 5. PROVIDE MOLDED CASE, THERMAL MAGNETIC TRIP CIRCUIT BREAKER, 3 POLE, 225 AMP FRAME WITH 35000 AMPS RMS SYMMETRICAL INTERRUPTING CAPACITY.
 6. CONCRETE PADS SHALL BE PROVIDED BY CONTRACTOR, INCLUDING PADS FOR PANELS TO BE PROVIDED BY BAF MANUFACTURER UNDER SPECIFICATION SECTION 11398.



PLAN

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REVISIONS				DES	DWN	CKD
NO.	BY	DATE	REMARKS			
1	ARB	JAN. 2000	RECORD DRAWING	GJM	GJM	TK



CITY OF ROANOKE, VIRGINIA
WATER POLLUTION
CONTROL PLANT
UPGRADE AND EXPANSION

BIOLOGICAL AERATED FILTER
UPPER LEVEL POWER PLAN

SCALE: 3/16"=1'-0"

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DATE _____ MAY 1997 _____
E SHEET 17 OF 36
CAD REF. NO. 0060E691