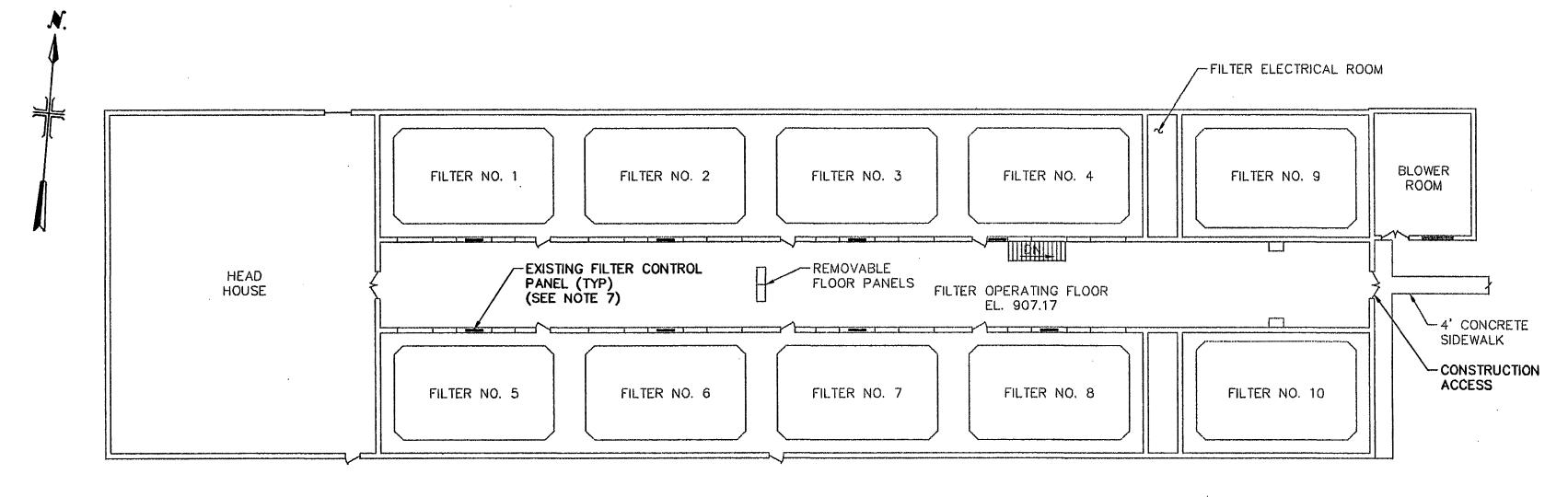
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EFFLUENT FILTERS - FILTER CONTROL PANEL AND PLC COMMUNICATION

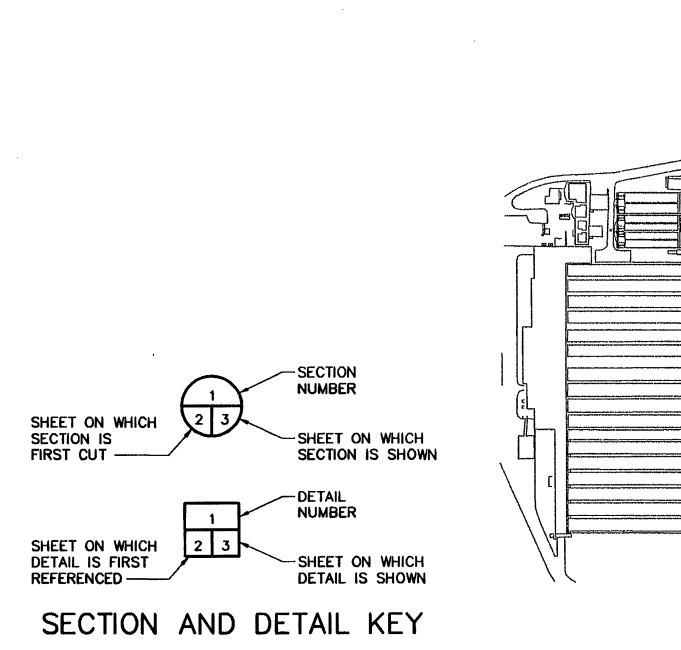
SHEET NO. DRAWING TITLE INDEX, LEGEND, ABBREVIATIONS AND PLANS EFFLUENT FILTERS - DEMOLITION PLAN D-2EFFLUENT FILTERS - DEMOLITION FILTER PLAN AND SECTIONS EFFLUENT FILTERS - PLAN M-2EFFLUENT FILTERS - TYPICAL FILTER PLAN AND SECTIONS M-3EFFLUENT FILTERS - DETAILS EFFLUENT FILTERS - ELECTRICAL LEGEND AND SCHEDULES E-1 EFFLUENT FILTERS - PLAN E-2 1-1 EFFLUENT FILTERS - INSTRUMENTATION LEGEND AND ABBREVIATIONS 1-2 EFFLUENT FILTERS - PROCESS AND INSTRUMENTATION DIAGRAM 1-3

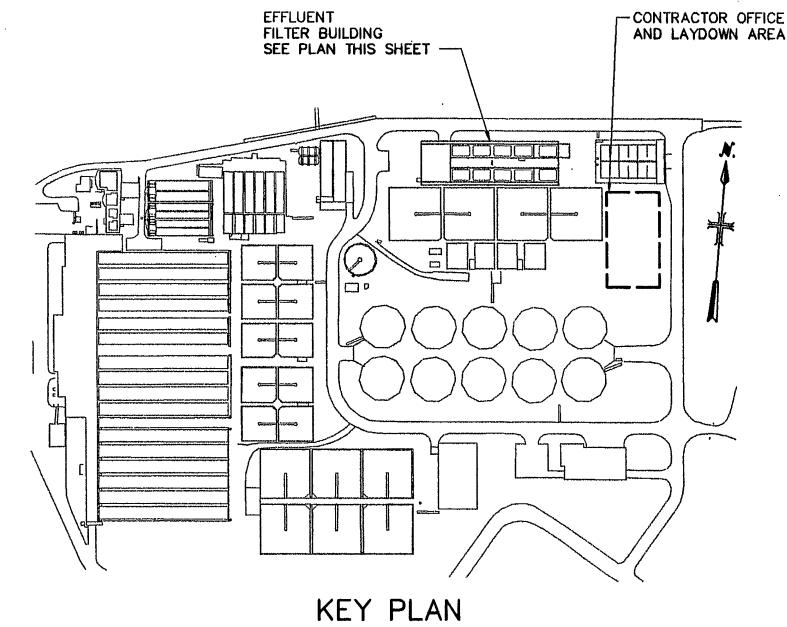


EFFLUENT FILTER BUILDING PLAN SCALE: 1'' = 20'

GENERAL NOTES:

- LIMITS OF WORK WILL BE DEFINED BY ALTERNATE BID ITEM CHOSEN BY OWNER, IF ANY. WHERE PIPING, NEW OR EXISTING, IS TO BE TERMINATED AS DEFINED BY THE EXTENT OF CONTRACTED WORK, TERMINATION SHALL BE ACCOMPLISHED BY MEANS OF A BLIND FLANGE FOR PIPING 2-INCHES IN DIAMETER OR GREATER, OR BY A THREADED CAP FOR PIPING LESS THAN 2-INCHES IN DIAMETER. CONTRACTOR SHALL ALSO ENSURE THAT END OF PIPE, WHETHER NEW OR EXISTING, IS PROPERLY SUPPORTED.
- 2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING ITEMS PRIOR TO EQUIPMENT FABRICATION AND INSTALLATION.
- 3. EXISTING DIMENSIONS ARE PER THE FOLLOWING DESIGN DRAWINGS: "ADDITIONS TO SEWAGE TREATMENT PLANT, ROANOKE, VIRGINIA", ALVORD, BURDICK & HOWSON "WATER POLLUTION CONTROL PLANT UPGRADE AND EXPANSION", MALCOLM PIRNIE, INC., NEWPORT NEWS AND MATTERN & CRAIG, ROANOKE, MAY 1997.
- 4. LAY VISQUENE AND A MINIMUM OF 3/8-INCH PLYWOOD OVER FILTER OPERATING GALLERY TILE FLOORS TO PREVENT DAMAGE DURING CONSTRUCTION ACTIVITIES. CONTRACTOR TO REPAIR ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITIES.
- 5. ALL WORK SHOWN "FULL—TONE" IS PROPOSED, UNLESS OTHERWISE NOTED. ALL "HALF—TONE" ITEMS REPRESENT EXISTING FEATURES.
- 6. LIMITS OF CONTRACTOR WORK ARE SHOWN ON SHEETS D-1 AND M-1. ACCESS TO THE FILTER BUILDING FOR CONSTRUCTION ACTIVITIES IS SHOWN ON THIS SHEET.
- 7. NEW FILTER CONTROL CONSOLES TO BE INSTALLED IN THE SAME LOCATION AS EXISTING CONTROLS. SEE SHEET M-1 FOR DETAILS.
- 8. REFER TO SECTION 01014, MAINTENANCE OF PLANT OPERATIONS, FOR SHUTDOWN REQUIREMENTS.

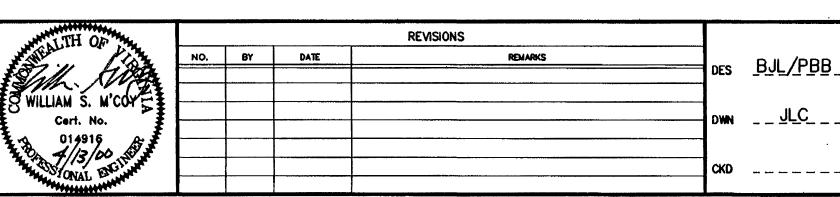






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CITY OF ROANOKE, VIRGINIA WATER POLLUTION CONTROL PLANT EFFLUENT FILTER REHABILITATION

INDEX, LEGEND, ABBREVIATIONS AND PLANS SCALE: AS NOTED

G SHEET _ 1 _ OF _ _ _1__ CAD REF. NO. 0060G001

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