CONDUIT NOTE

2 CNDS TO MOTOR CONTROL CENTER MCC-A FOR FLOCCULATORS.

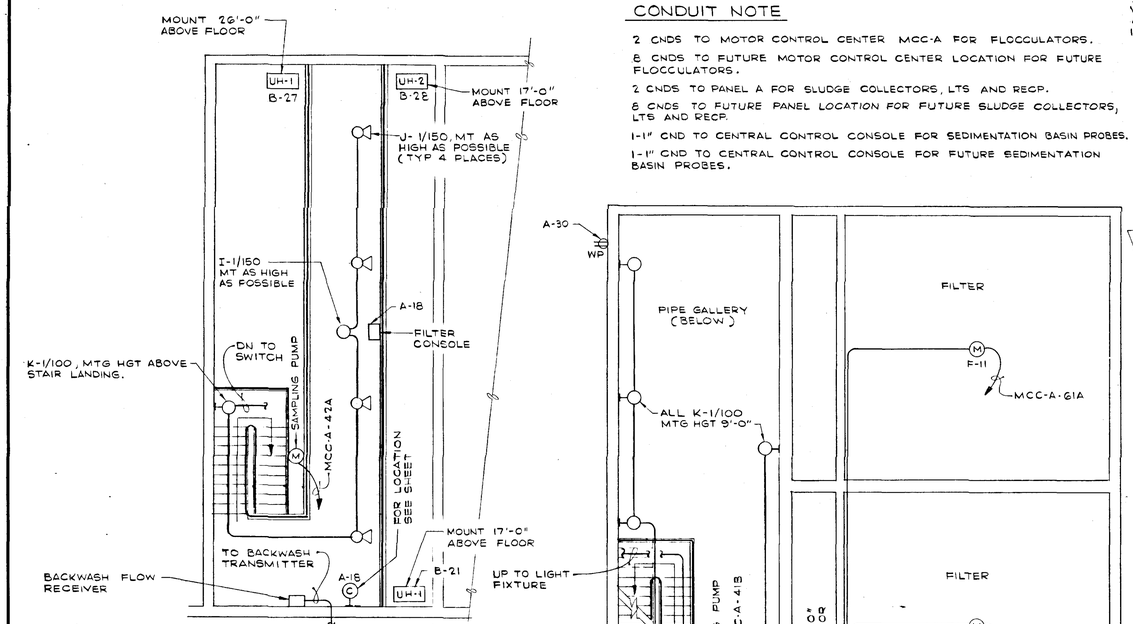
8 CNDS TO FUTURE MOTOR CONTROL CENTER LOCATION FOR FUTURE FLOCCULATORS.

2 CNDS TO PANEL A FOR SLUDGE COLLECTORS, LTS AND RECP.

8 CNDS TO FUTURE PANEL LOCATION FOR FUTURE SLUDGE COLLECTORS, LTS AND RECP.

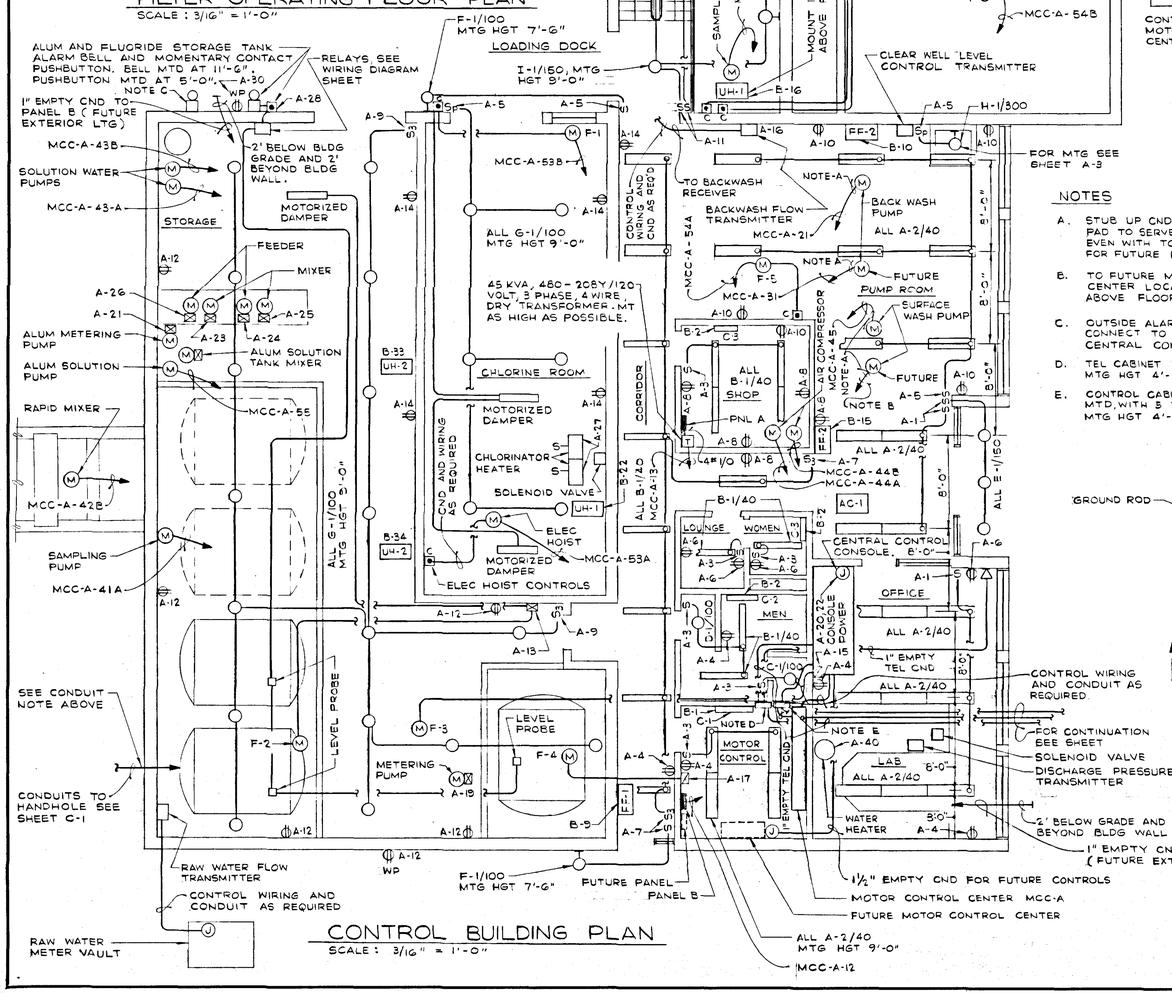
1-1" CND TO CENTRAL CONTROL CONSOLE FOR SEDIMENTATION BASIN PROBES.

1-1" CND TO CENTRAL CONTROL CONSOLE FOR FUTURE SEDIMENTATION BASIN PROBES.



FILTER OPERATING FLOOR PLAN

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



CONTROL BUILDING PLAN

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

NOTES

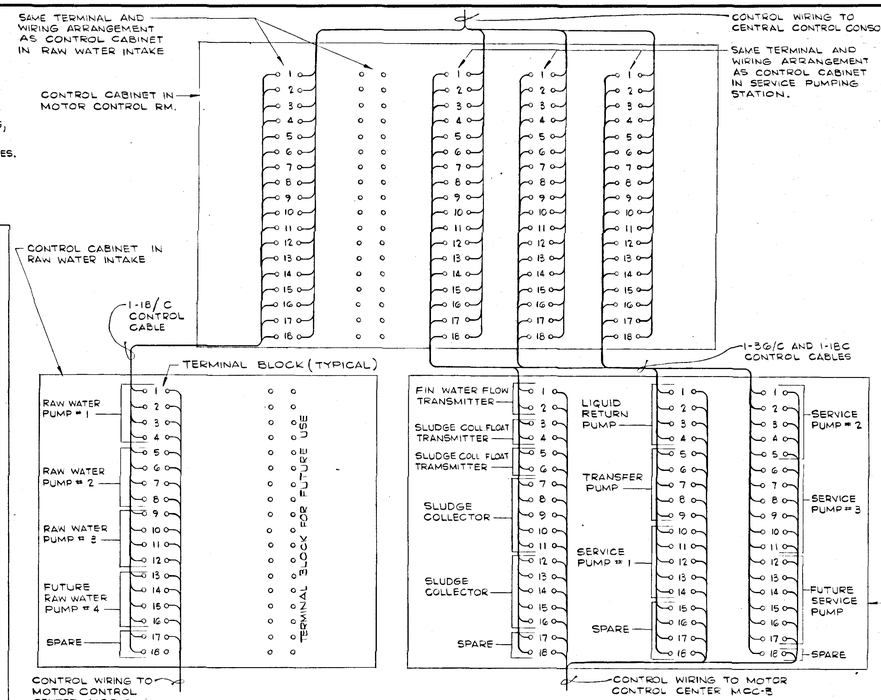
A. STUB UP CND BESIDES CONCRETE PAD TO SERVE PUMP MOTOR. CAP EVEN WITH TOP OF CONCRETE PAD FOR FUTURE PUMP MOTORS.

B. TO FUTURE MOTOR CONTROL CENTER LOCATION. CAP 4" ABOVE FLOOR

C. OUTSIDE ALARM HORN. MTG HGT 11'-6" CONNECT TO HORN ALARM CKT IN CENTRAL CONTROL CONSOLE.

D. TEL CABINET FLUSH MTD. 12" x 18" x 4". MTG HGT 4'-0" TO TOP.

E. CONTROL CABINET 24" x 24" x 4", FLUSH MTD, WITH 5 TERMINAL BLOCKS. MTG HGT 4'-0" TO TOP



BUILDING INTER-CONNECTION CONTROL WIRING DIAGRAM

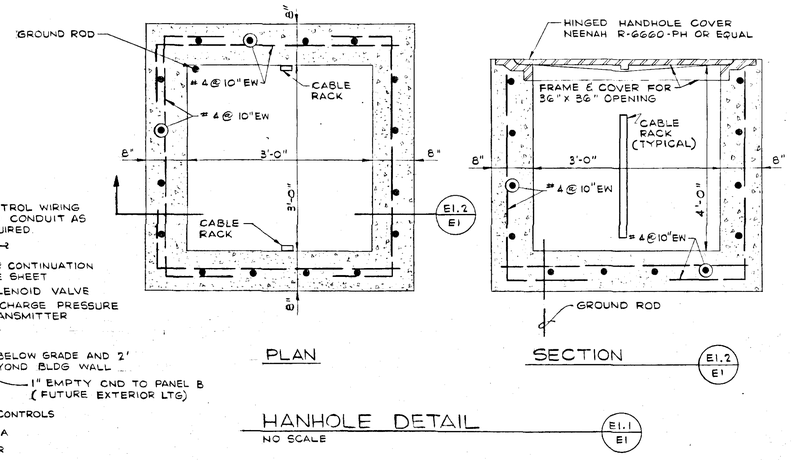
NO SCALE

GENERAL NOTES

1. FOR LOCATION OF ELECTRIC AND TELEPHONE SERVICE TO BUILDINGS SEE SHEETS C-1 AND C-6.
2. FOR LOCATION OF MECHANICAL EQUIPMENT AND CONTROLS SEE SHEETS M-1, M-2 AND P-1
3. CAP ALL EMPTY CNDS RUNS IN OR UNDER FLOOR SLAB 4" ABOVE SLAB.
4. PROVIDE CONTROL WIRING AND CND AS REQ'D BETWEEN CENTRAL CONTROL CONSOLE AND AIR COMPRESSOR STARTERS.
5. SOURCE OF POWER FOR THE FOLLOWING EQUIPMENT SHALL BE FED FROM THE CENTRAL CONTROL CONSOLE, SOLENOID VALVES, RAW WATER FLOW TRANSMITTER, OUTSIDE ALARM HORN, DISCHARGE PRESSURE TRANSMITTER, FINISHED WATER FLOW TRANSMITTER, FLOAT TRANSMITTERS, HIGH LEVEL ALARM IN SEDIMENTATION BASIN PROBES AND CLEAR WELL LEVEL CONTROL TRANSMITTER.
6. CONDUITS SERVING OVERHEAD LIGHTING FIXTURES SHALL BE RUN ABOVE PRESTRESSED CONCRETE TEE SLAB, PENETRATE SLAB TO FEED LIGHTING FIXTURE. CONDUITS SHALL BE INSTALLED BEFORE LIGHT WEIGHT CONCRETE SLAB IS POURED ABOVE PRESTRESSED CONCRETE TEES.
7. LOCATE ALL LIGHTING FIXTURES IN CENTER OF CONCRETE TEES.
8. CONDUITS RUN EXPOSED SERVING LIGHTING FIXTURES AND EQUIPMENT IN CHLORINE ROOM AND STORAGE SHALL BE PLASTIC OR PLASTIC COATED TYPE.
9. DEVICE PLATES IN CHLORINE ROOM AND STORAGE SHALL BE PLASTIC.

SCHEDULE OF PANELS

DESIGNATION VOLTAGE MAINS	RATINGS POLES	RATINGS AMPS	BRANCH CIRCUIT BREAKERS ACTIVE AND SPARE CKT NO'S.	BRANCH CIRCUIT BREAKERS SPARE CKT NO'S	CIRCUIT SPACE ONLY NO'S.	WIRE SIZE OTHER THAN NO. 12	REMARKS
A 208Y/120V, 3PH, 4 WIRE 225 AMP MAINS. 125 AMP MAIN BRKR	1 2 2	20 20 50	1 THRU 36 39 40	37, 38 39		CKT 2 # 10 WIRE CKT 40 # 8 WIRE	SURFACE MOUNTED
B 480Y/277V, 3PH, 4 WIRE 225 AMP MAINS	1 3	20 20	1 THRU 3 5,10,15,16,21,22,27,28,33,34,39	3 39	4,5,6 40		SURFACE MOUNTED
C 208Y/120V, 3PH, 4 WIRE 60 AMP MAINS	1	20	1 THRU 10	10	11, 12		SURFACE MOUNTED
D 208Y/120V, 3 PH, 4 WIRE 50 AMP MAINS	1	20	1 THRU 4	4	5,6,7,8		SURFACE MOUNTED



PLAN

SECTION E1.2 / E1

HANHOLE DETAIL

NO SCALE E1.1 / E1

HANDHOLE NOTES

1. CONNECT CABLE RACKS TO GROUND ROD WITH # 2 COPPER WIRE.
2. FOR LOCATIONS OF HANDHOLES SEE SHEET
3. PROVIDE SPARE CNDS STUBBED 2'-0" BEYOND OUTSIDE WALL OF HANDHOLE AS INDICATED ON PLANS FOR FUTURE EXTENSION. CAP CNDS.

REVISION	DATE	DESCRIPTION	BY	APP.

DESIGNED RJH
DRAWN DLB
CHECKED JSM
APPROVED
SUBMITTED 11/17/70

WATER FILTRATION PLANT
CITY OF SALEM, VIRGINIA
ELECTRICAL
CONTROL BUILDING GROUND FLOOR & FILTER OPERATING FL PLAN

HAYES, SEAY, MATTERN & MATTERN
ARCHITECTS — ENGINEERS

SCALE AS NOTED | COMM. NO. 3627-A
DATE APRIL 1970 | SHEET E-1

1" = 1'-0" PUBLIC WORKS SCALE 1/16" = 1'-0" 11-30-69