

**COUNTY OF WESTCHESTER
NEW YORK**

**DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING**

ADDENDUM NO. 2

CONTRACT NO. 22-510

FOR

**JACKSON AVENUE PUMPING STATION REHABILITATION
BRONX VALLEY SANITARY SEWER DISTRICT
TOWN OF GREENBURGH, NEW YORK**

The attention of the bidders is directed to the following changes, additions, and/or substitutions affecting the above-referenced contract(s).

A. RE: GENERAL CONTRACT INFORMATION:

Item 1: Bidders Questions and Responses

Attached hereto.

B. RE: THE SPECIFICATIONS:

Item 1: Specification 01540 Paragraph 1.03.G.2

Delete “384” and **Replace** with “156”

Item 2: Specification 01640

Delete table “Schedule Of Equipment Testing And Manufacture’s Services” and **Replace** with Attachment 2 in Addendum No. 2.

Item 3: Specification 08710 Section 3.06

Delete Paragraph 3.06 “Hardware Sets”

Item 4: Specification 15060, Paragraph 2.13

Delete Paragraph 2.13 “Insulation”

Item 5: Specification 16900

Add the following as paragraph 2.14

“2.14 HEAT DETECTORS

Edwards Signaling, Rate Compensation Heat Detectors (302 series), sensor rated 194°F, suitable for use in Class 1, Div. 1 Group D hazardous areas, or equal.”

Item 6: Specification 33213

In paragraph 3.02.B **Delete** “One full 8-hour day” and **Replace** with “**12- hours**”

C. **RE: THE DRAWINGS:**

Item 1: Drawing E-006

In the upper Level Floor Plan Revise the callout “TELEMETRY PANEL AND PANEL MOUNTED RECEPTACLE” to the following,

“TELEMETRY PANEL AND PANEL MOUNTED RECEPTACLE INSTALLED ON 1” PLYWOOD TELECOM BACKBOARD, PAINTED BLACK”

Item 2: Drawing E-010

In note 2 of the Typical Ventilation Elementary, **Delete** “See spec section XXXXXX” **Replace** with “See specification section 15831”

Item 3: Drawing E-011

Delete Drawing E-011 **Replace** with Attachment 3 in Addendum No. 2.

Item 4: Drawing E-013

Add the following note to the Level Float Mounting Detail

“Note: Provide two (2) stainless steel mounting brackets, one at each side of the divided wet well. Coordinate location in field with Owner and Engineer.”

ALL PROVISIONS OF THE CONTRACT NOT AFFECTED BY THE FOREGOING SHALL REMAIN IN FULL FORCE AND EFFECT.

COUNTY OF WESTCHESTER
DEPARTMENT OF PUBLIC WORKS

By: Hugh J. Greechan, Jr., P.E.
Commissioner

Dated: March 20, 2024
White Plains, New York

Bidders Questions and Response

BIDDER'S QUESTIONS AND RESPONSES

**CONTRACT NO. 22-510
JACKSON AVENUE PUMPING STATION REHABILITATION
BRONX VALLEY SANITARY SEWER DISTRICT
TOWN OF GREENBURGH, NEW YORK**

To All Contractors:

Contractors submitting proposals for the above-named project shall take note of the following changes, additions, deletions, clarifications, etc., in the Contract Documents, which shall become a part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Contractor's bid proposal.

Below are the **Questions** that have been submitted with **Responses**:

Question 1: *Please provide geotechnical information regarding the presence of rock, water and/or hazardous/contaminated materials. If there is no information available, how will the contractor be compensated for handling these unknown conditions, if encountered?*

Response: Geotechnical information is not available. The contract documents include provisions for unforeseen conditions.

Question 2: *Section 1.03.G of specification 01540-Temporary Bypass Pumping indicates the following elevations:*

- *Forcemain Discharge Manhole Elevation – 241.5*
- *Ground elevation at pump station – 384*

The contract drawings show approximate ground elevation at the pump station of 156±. Please confirm if the elevation listed in the specification is an error.

Response: This Specification has been modified in Addendum No. 2.

Question 3: *Please provide as-built drawings of the existing superstructure.*

Response: Available "Record Plans" can be found in Attachment 1 in Addendum No. 2.

Question 4: *Please provide the size and depth of the bypass pumping manhole shown on drawing G-008.*

Response: Additional information about the manhole is available in the "Record Plans" drawings in Attachment 1 in Addendum No. 2.

Question 5: *Specification 41220-Hoists and Cranes, section 3.04 refers to specification 01640 for manufacturer's representative's services, then indicates other services required by the representative. Specification 01640 does not list any manufacturer's service requirements for the hoists and cranes. Please confirm the contract requirements.*

Response: This Specification has been modified in Addendum No. 2.

Question 6: *The manufacturer's representative's services in specification 11291-Sluice Gates, section 3.03.B, do not match the services shown on the schedule in specification 01640 page 13. Please confirm the requirements.*

Response: Refer to response to question 5.

Question 7: *Specification 33213-Water Supply Well, sections 3.02 and 3.03 refer to specification 01640 for manufacturer's representative's services, then indicates other services required by the representative. Specification 01640 does not list any manufacturer's service requirements for the well pump system. Please confirm the contract requirements.*

Response: Refer to response to question 5.

Question 8: *Please provide additional information related to the Bypass Manhole shown on drawing G-008. Does this manhole include both a connection for the bypass discharge hookup and a valve on the existing forcemain to prevent the backflow of sewage into the pump station?*

Response: Additional information is available in the "Record Plans" drawings in Attachment 1.

Question 9: *There is a leader note on drawing G-007 "Provide extended valve operators to 6" below cover onto existing valves inside manhole." Additional details are needed in order to determine the exact scope of work required.*

Response: Additional information is available in the "Record Plans" drawings in Attachment 1.

Question 10: *Please advise if reinforcement is required for the concrete encased ductbanks shown on drawing E-003, and provide details if required.*

Response: reinforcement is not required for concrete encased ductbanks shown on E-003.

Question 11: *Could you please provide us borings for the project? How deep is the water table at this "location"? Is there any rock?*

Response: Refer to response to Question 1. Groundwater fluctuates throughout the season and can be as high as 1 foot below grade.

Question 12: *General Note #31 on drawing H-001 reads: "All ductwork open to the drywell shall be stainless steel 316. All ductwork open to the wetwell shall be fiberglass." There is no ductwork in the wetwell, but there is ductwork in the levels above the wetwell as shown on drawing H-005. Please provide clarification on the drawings as to which ductwork, if any, is scheduled to be fiberglass.*

Response: Duct work located on the wet well side of the building will be open to the wet well.

Question 13: Find this RFI requesting clarification on door hardware schedule. They do not match between the drawings & specifications. Please advise what to use.

Response: The hardware schedule on the drawings is to be used. This Specification has been modified in Addendum No. 2.

Question 14: Division 15, Section 15060, Paragraph 2.13 states that piping shall be insulated in accordance with section 15260, Piping Insulation. However, Section 15260 does not exist in project specifications. Please clarify.

Response: This Specification has been modified in Addendum No. 2.

Question 15: Upon review, it was noted the specs contained the following language regarding the OCP: d) Owners Protective Liability Policy naming the County as insured, with a minimum limit of liability per occurrence of \$3,000,000 (where applicable, or as determined by the Director, Risk Management) Please confirm that an OCP policy is required for this project?

Response: Refer to the contract documents for insurance requirements.

Question 16: Regarding the MSA MultiGard 5000 Gas Detection System specified in 17650, please confirm that the contract requires this system, which is capable of monitoring up to 32 sample ports, even though there is only one sample port required in the contract.

Response: Bid as specified.

ATTACHMENT 1

LIST OF DRAWINGS

CONTRACT NO. 1460G - CONSTRUCTION

- 1. LOCATION PLAN AND SHEET INDEX
- 2. SITE DETAILS
- 3. TOP FLOOR - PLAN AND SECTIONS
- 4. MIDDLE FLOOR - PLAN AND SECTIONS
- 5. BASEMENT - PLAN AND SECTIONS
- 6. SCHEMATICS AND MISCELLANEOUS DETAILS
- 7. MISCELLANEOUS DETAILS
- 8. ARCHITECTURAL DETAILS

CONTRACT NO. 1460E - ELECTRICAL

- E-9 SITE AND TOP FLOOR PLAN
- E-10 MIDDLE AND BASEMENT FLOOR PLAN

CONTRACT NO. 1460H - HEATING & VENTILATING

- HVP. 11 TOP FLOOR PLAN AND SECTION
- HVP. 12 MIDDLE AND BASEMENT FLOOR PLANS

CONTRACT NO. 1460P - PLUMBING

- HVP. 11 TOP FLOOR PLAN AND SECTION
- HVP. 12 MIDDLE AND BASEMENT FLOOR PLANS

APPROVED:

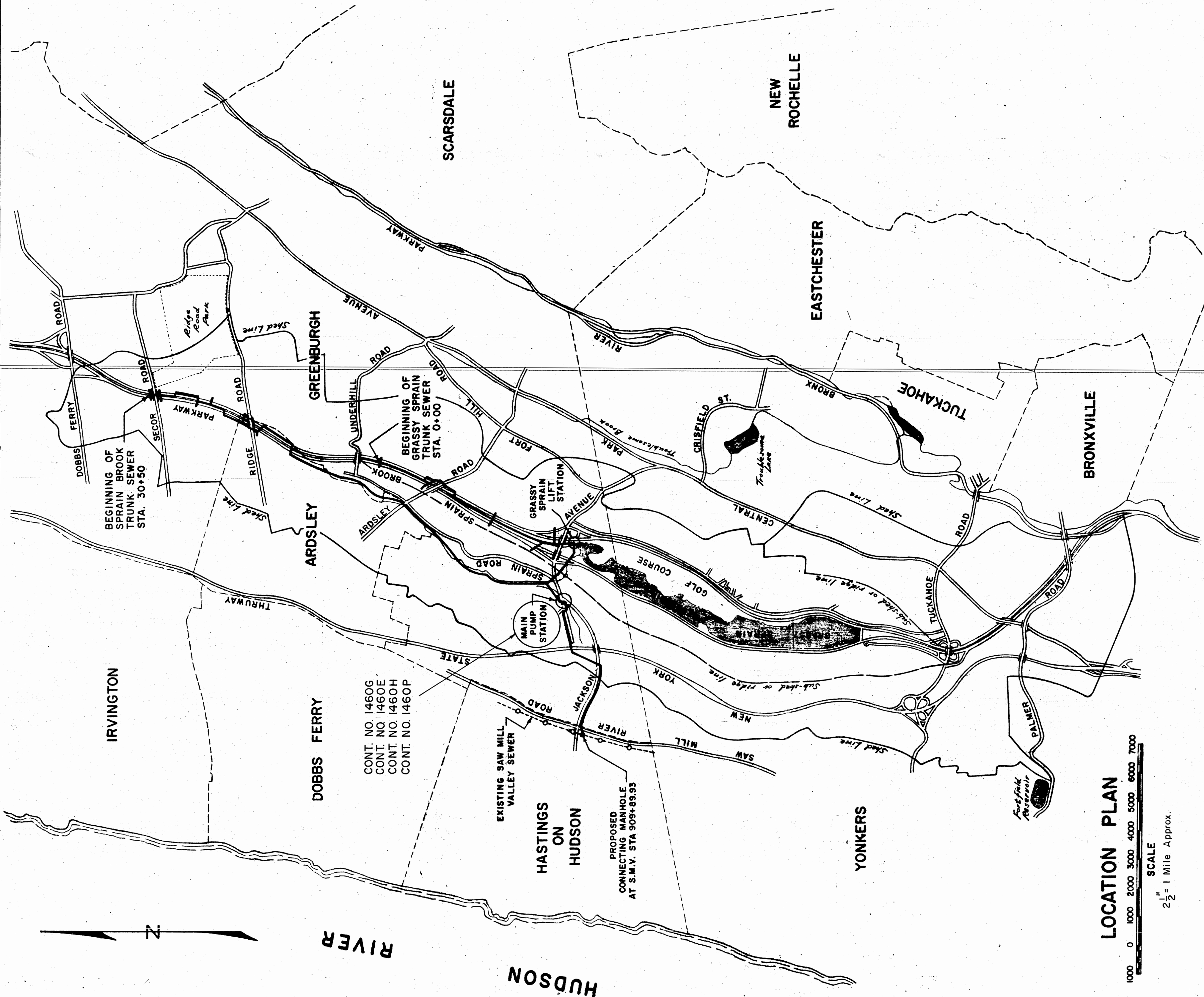
EDWARD J. DELEHANTY, COMMISSIONER

BY:

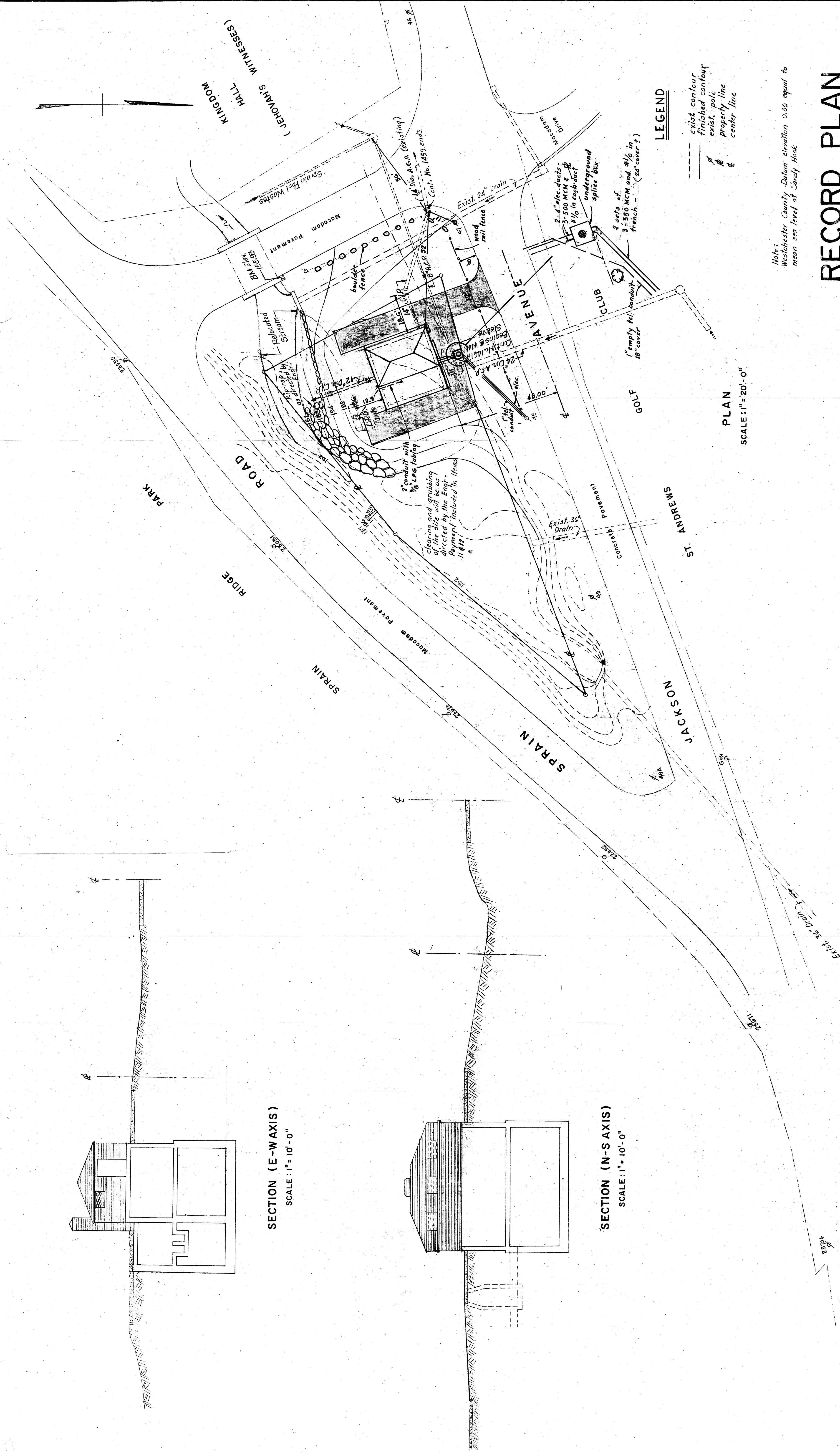
GUY E. GRIFFIN, DEPUTY COMMISSIONER

RECORD PLAN

DESIGNED	JAB	DATE	BY	CKD.
DRAWN				
TRACED	EXT			
CHECKED	GMT			
PROJECT ENGINEER				
COUNTY OF WESTCHESTER DEPARTMENT OF PUBLIC WORKS DIVISION OF SEWERS				
CONTRACT NO. 1460G FOR CONSTRUCTION OF SPRAIN PUMPING STATION FOR BRONX VALLEY SANITARY SEWER DISTRICT LOCATED IN THE TOWN OF GREENBURGH WESTCHESTER COUNTY, NEW YORK				
LOCATION PLAN AND DRAWING INDEX				
FEBRUARY 1969 SHEET 1 OF 12 SHEETS				



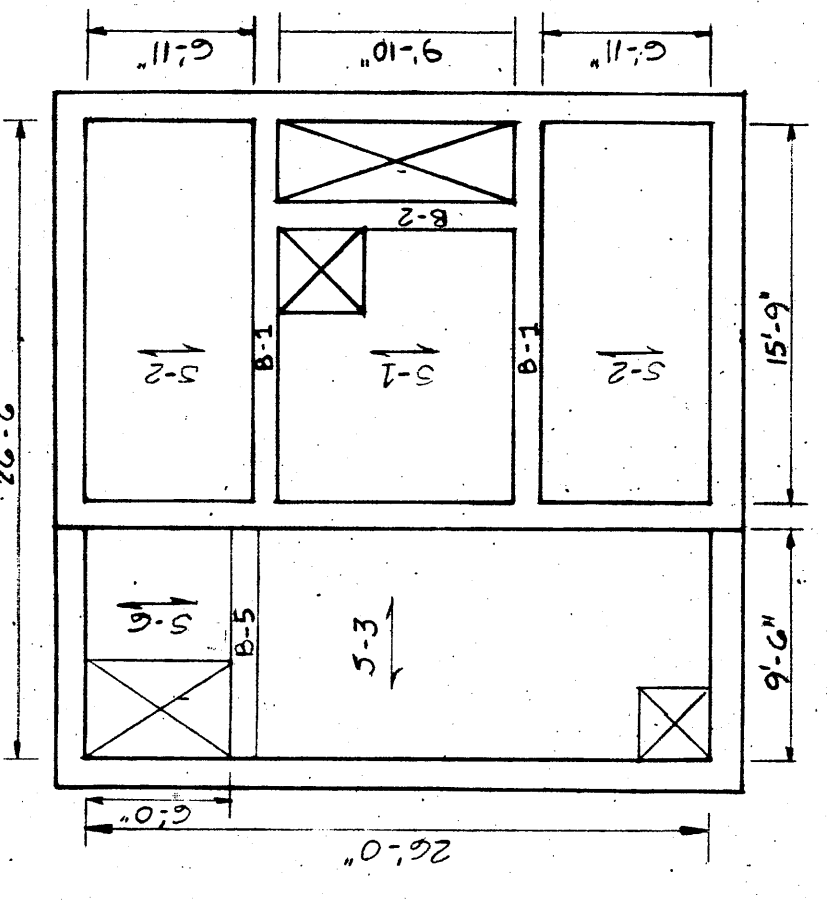
LOCATION PLAN
SCALE
2 1/2" = 1 Mile Approx.



RECORD PLAN

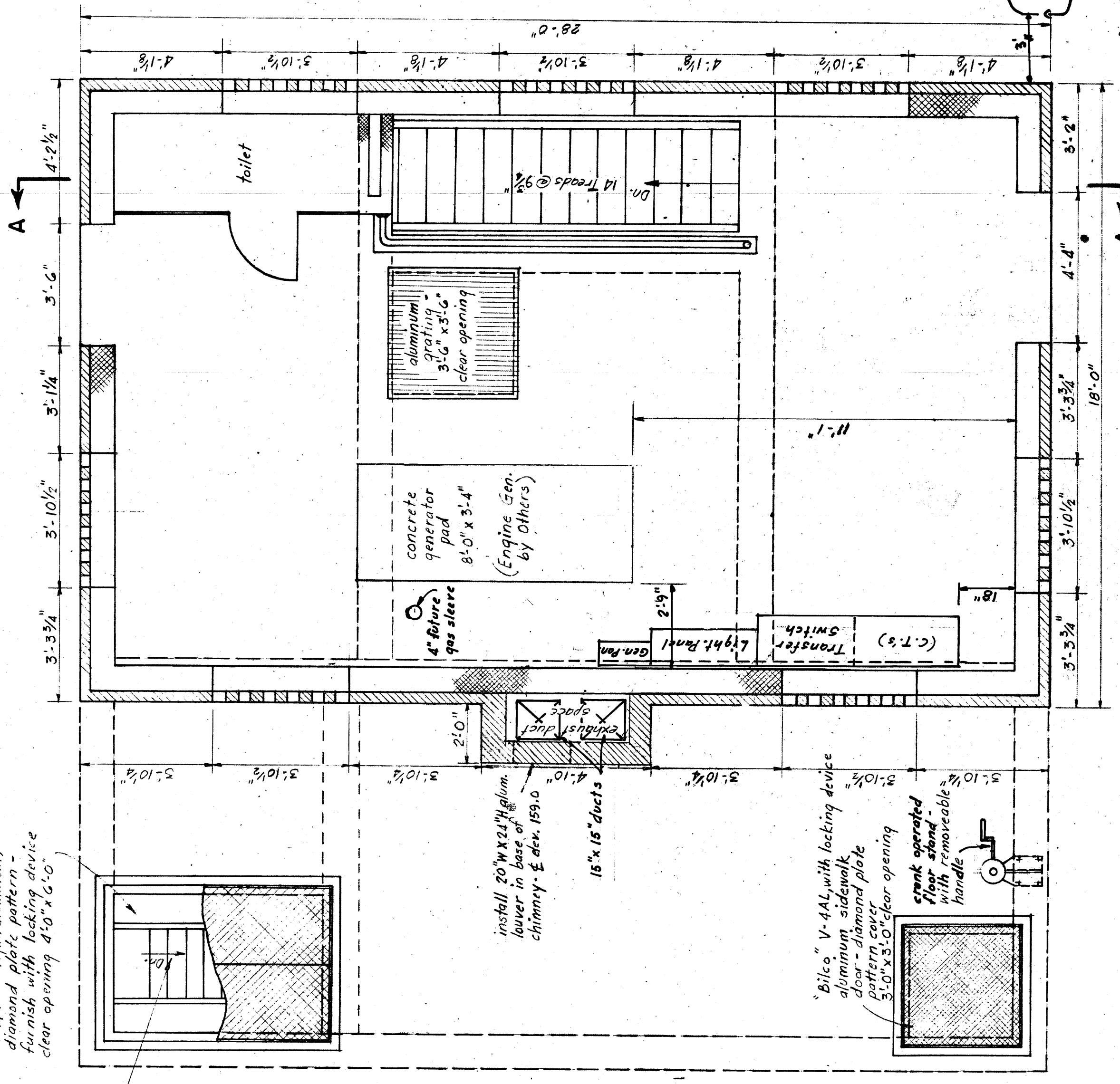
Note:
Westchester County Datum elevation 0.00 equal to
mean sea level at Sandy Hook

[illegible]

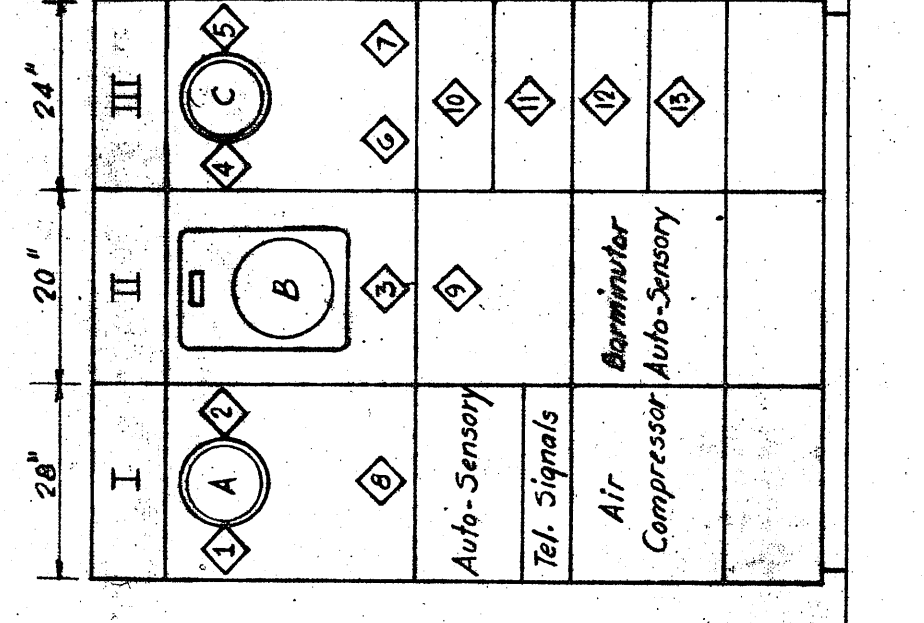


STRUCTURAL FLOOR PLAN
TOP FLOOR
SCALE: 1/8" = 1'-0"

12 risers @ 9 1/8"
glue strings at 4.49"
Aluminum "heads" wide

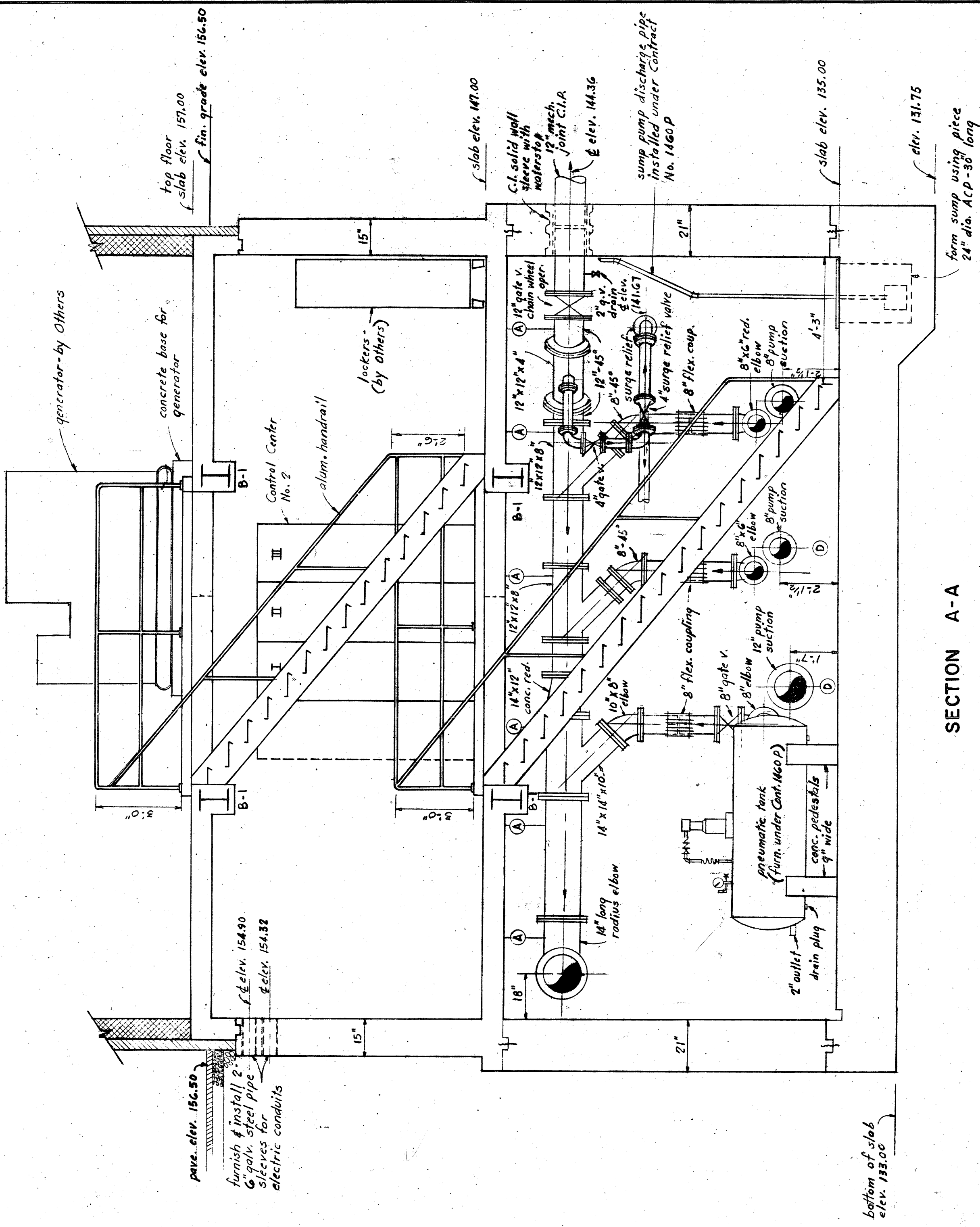


TOP FLOOR PLAN
SCALE: 3/8" = 1'-0"



- INSTRUMENTS**
- A. Left Wet Well Level
 - B. Pump No. 1 Running Lights & Switches
 - C. Right Wet Well Level
- ALARMS**
- 1. Low Level - Left Well
 - 2. High Level - Left Well
 - 3. High Level - Right Well
 - 4. High Level - Right Well
 - 5. High Level - Right Well
 - 6. Bannister No. 1 - Running
 - 7. Bannister No. 2 - Future
- CONTROLS**
- 8. Lead Selector Switch (No. 1 - No. 2 Pair)
 - 9. Pump No. 3 Running Lights & Switches
 - 10. Pump No. 1 Running Lights & Switches
 - 11. Pump No. 2 Running Lights & Switches
 - 12. Bannister No. 1 - H.O.A. Switch
 - 13. Bannister No. 2 - H.O.A. Switch (Future)

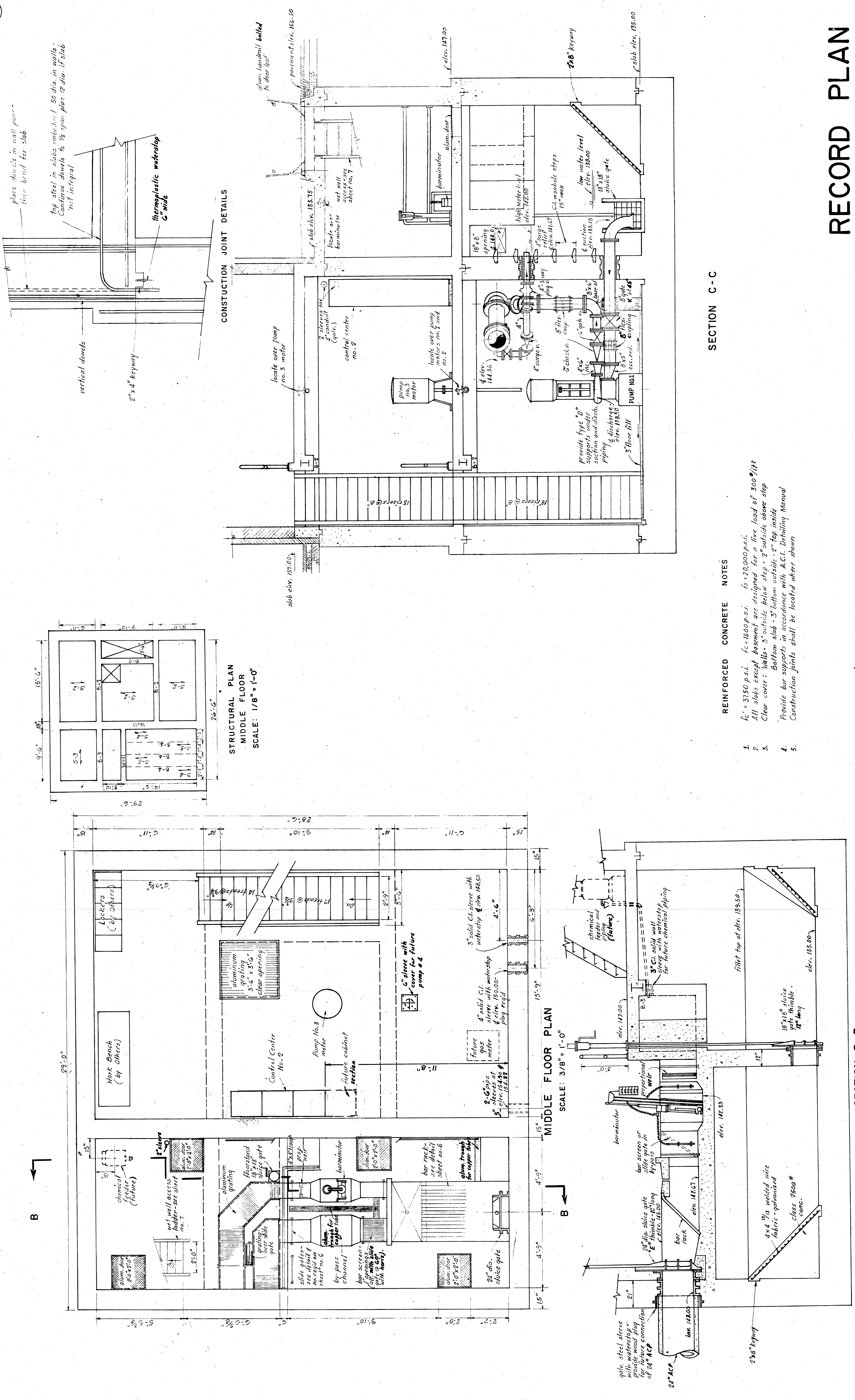
CONTROL CENTER NO. 2
SCALE: 1/2" = 1'-0"



SECTION A-A

RECORD PLAN

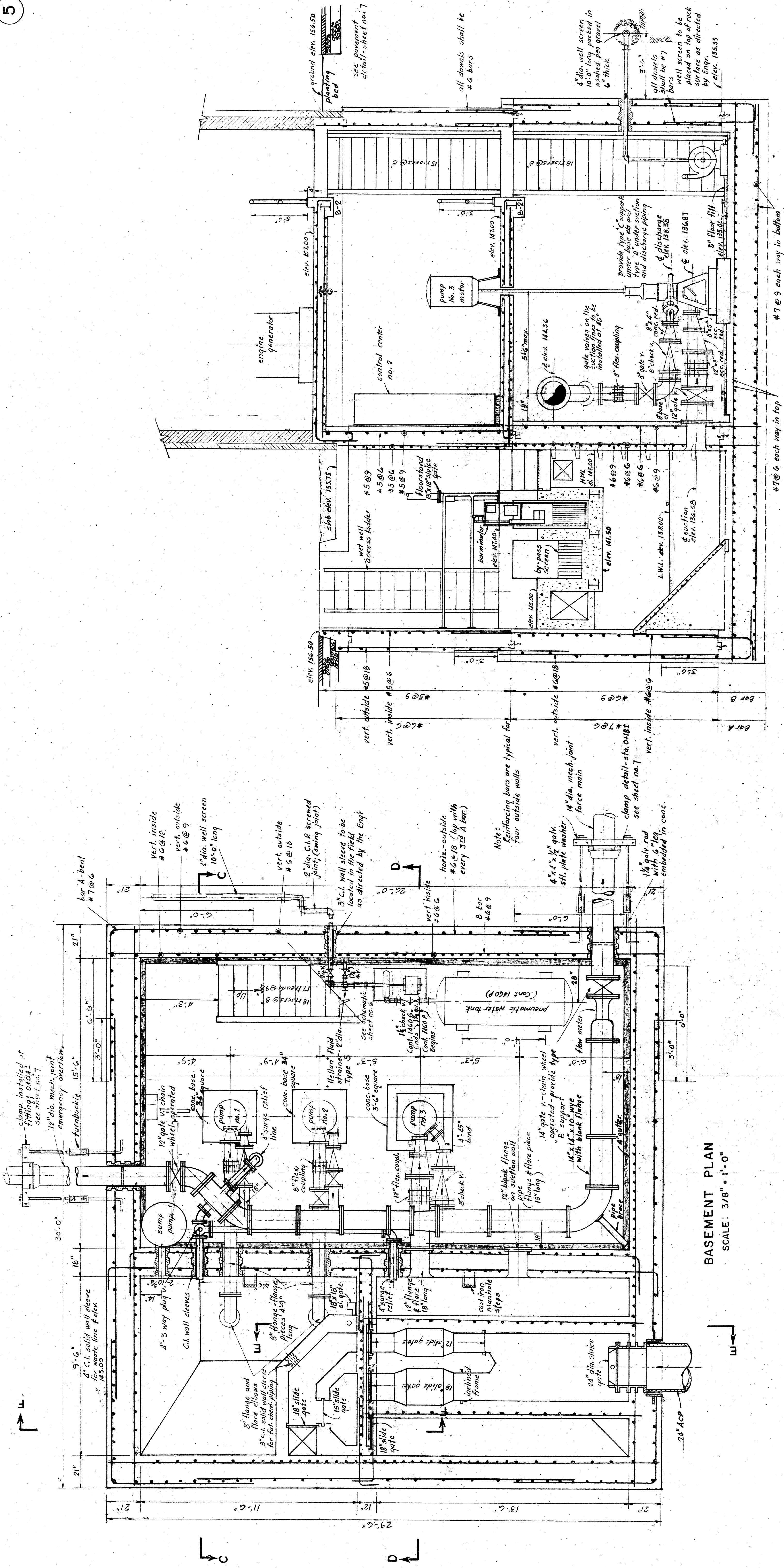
DESIGNED GMT-NAR	DRAWN GMT-NAR	TRACED EST	CHECKED NAR-GMT	PROJECT ENGINEER	NO.	LOCATION	DATE	BY	CKD.	AS BUILT ADDITIONS	COUNTY OF WESTCHESTER DEPARTMENT OF PUBLIC WORKS DIVISION OF SEWERS	CONTRACT NO. 14606 FOR CONSTRUCTION OF SPRAIN PUMPING STATION FOR THE BRONX VALLEY SANITARY SEWER DISTRICT LOCATED IN THE TOWN OF GREENBURGH WESTCHESTER COUNTY, NEW YORK	TOP FLOOR PLAN AND SECTIONS	FEBRUARY 1969



- REINFORCED CONCRETE NOTES**
1. $f'_c = 3750$ p.s.i. $f_y = 15000$ p.s.i. $f_y = 20000$ p.s.i.
 2. All slabs except basement are designed for a live load of 300 #/sq ft
 3. Clear cover: Walls - 3" outside below step - 2" outside above step
Bottom slab - 3" bottom outside - 2" top inside
 4. Provide bar supports in accordance with A.C.I. Detailing Manual
 5. Construction joints shall be located where shown

RECORD PLAN

DESIGNED G.M.T.-J.A.R.	DRAWN G.M.T.-N.A.P.	TRACED E.P.T.	CHECKED N.E.I.C.M.T.	PROJECT ENGINEER				AS BUILT ADDITIONS				COUNTY OF WESTCHESTER DEPARTMENT OF PUBLIC WORKS DIVISION OF SEWERS				CONTRACT NO. 1460 G FOR CONSTRUCTION OF SPRAIN PUMPING STATION FOR THE BRONX VALLEY SANITARY SEWER DISTRICT LOCATED IN THE TOWN OF GREENBURGH WESTCHESTER COUNTY, NEW YORK				MIDDLE FLOOR				PLAN AND SECTIONS				FEBRUARY 1969			
				NO.				LOCATION				DATE				BY				CKD.				SHEET 4				OF 12			
				NO.				LOCATION				DATE				BY				CKD.				SHEETS							



SECTION D - D

RECORD PLAN

MARK	DEPTH	SHORT		SPAN		LONG		SPAN	TOP	REMARKS
		#	SIZE	#	SIZE	#	SIZE			
S-1	8"	#5	6"	#5	6"	#5	12"	#5	18"	Run bars straight through top of built-upway
S-2	8"	#5	6"	#5	12"	#5	12"	#5	18"	Hook all bars if openings in slabs
S-3	8"	#5	6"	#5	12"	#5	6"	#5	12"	Do not hook bottom bars @ beam webs
S-4	8"	#4	9"	#4	12"	#4	6"	#7	6"	Use 90° hooks - all top bars - hooked 50 dia.
S-5	8"	#4	9"	#4	12"	#4	6"	#6	9"	
S-6	8"	#5	6"	#5	12"	#5	6"	#5	12"	

Note: Where slab frames into walls, use top reinforcement as shown in Schedule-bent into wall

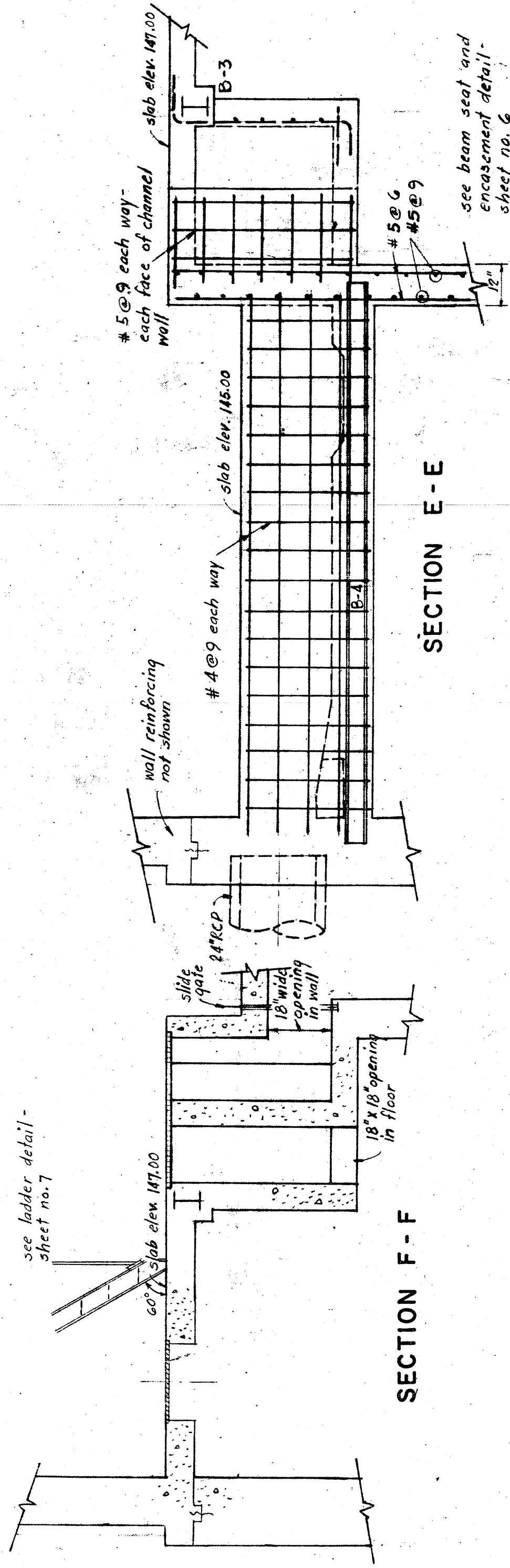
STEEL BEAM SCHEDULE			
MARK	SIZE	LENGTH	BEARING PLATE
B-1	12 x 10 WF 53*	middle floor - 17'-0" Top floor - 17'-0"	middle fl. 14 x 1 1/2 x 0'-8" Top floor 14 x 1 1/2 x 0'-8"
B-2	6 x 4 WF 12*	10' - 11 1/2"	standard 2" comp.
B-3	8 x 6 1/2 WF 28*	11' - 0"	14 x 1 1/2 x 0'-8"
B-4	6 x 6 WF 25*	15' - 0"	14 x 1 1/2 x 0'-8"
CONCRETE BEAM SCHEDULE			
B-5	12" x 12"	9' - 0"	3 - #8 in bottom

Notes:

1. All beam connections to be standard "A" series except as noted.
2. All bearing plates shall be standard rolled sizes of the thickness shown.

SÉCTION E-E

SECTION F - F



DESIGNED	GMT-NAR
DRAWN	GMT-NAR
TRACED	RET
CHECKED	NAR-GMT

COUNTY OF WESTCHESTER
DEPARTMENT OF PUBLIC WORKS
DIVISION OF SEWERS

EDWARD J. DELEHANTY, COMMISSIONER
BY: *E. J. Griffin* GUY E. GRIFFIN, DEPUTY COMMISSIONER

CONTRACT NO. 1460G
FOR CONSTRUCTION
SPRAIN PUMPING STA.

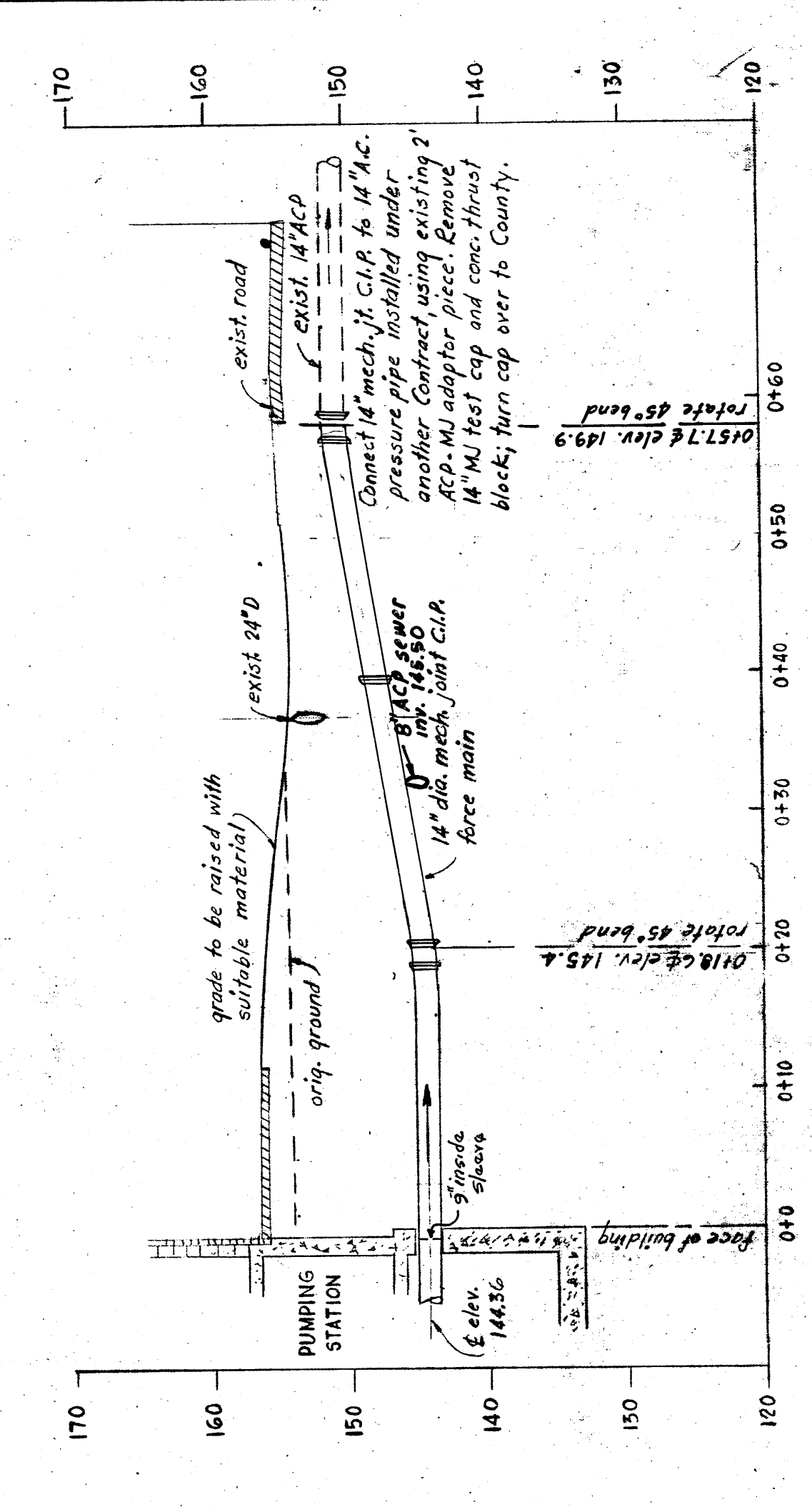
BRONX VALLEY SANITARY SEWER DISTRICT
FOR THE
LOCATED IN THE TOWN OF GREENBURGH
WESTCHESTER COUNTY NEW YORK

BASEMENT

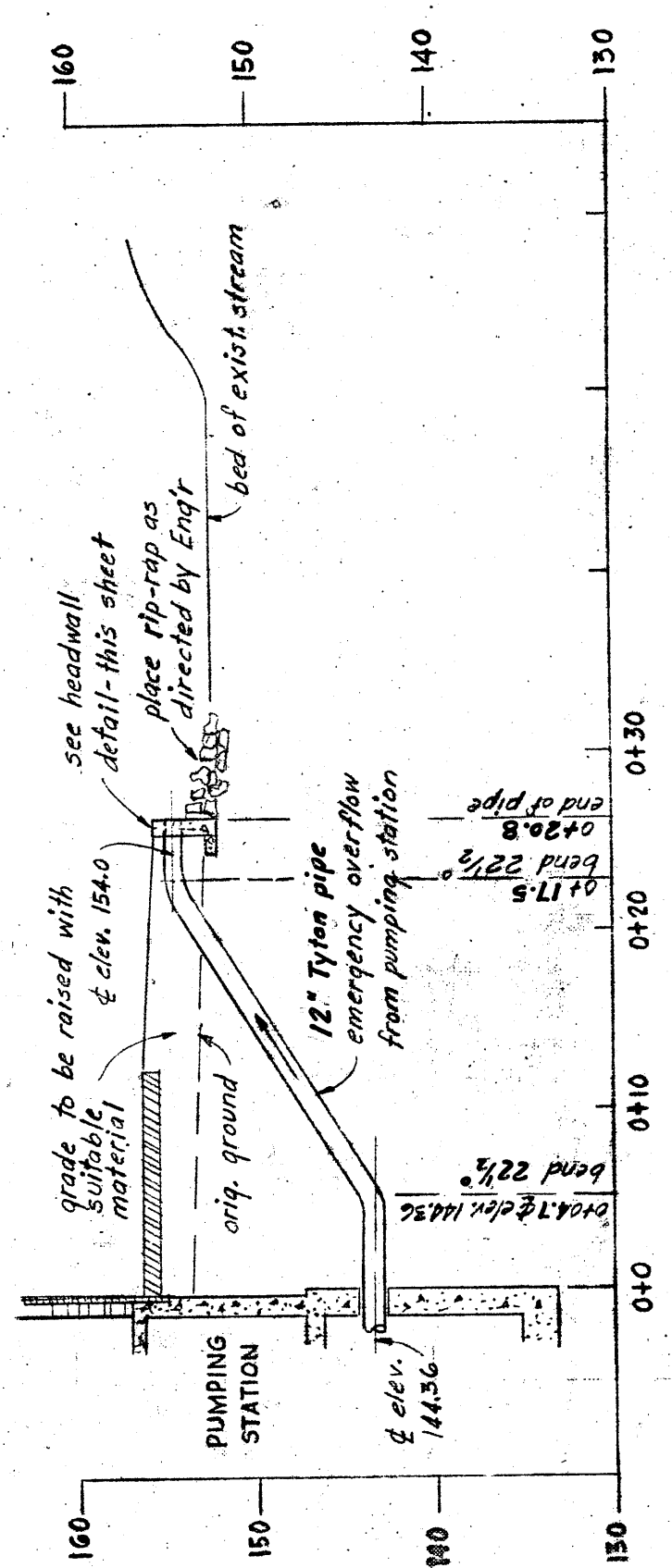
PLAN AND SECTIONS

FEBRUARY 1969

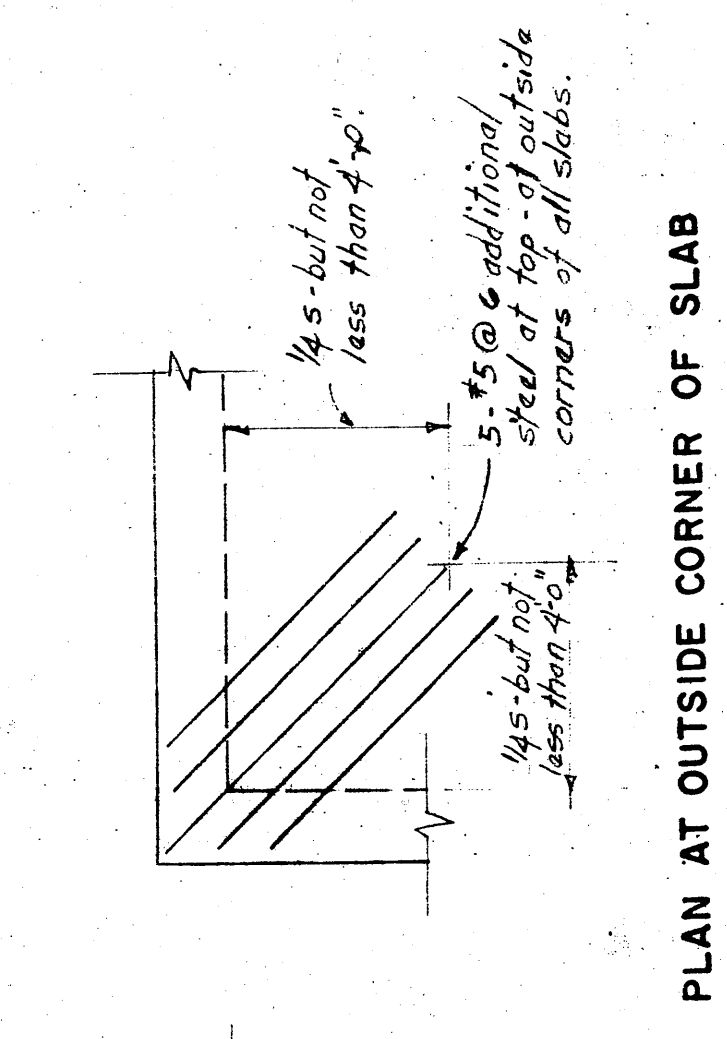
5 OF 12



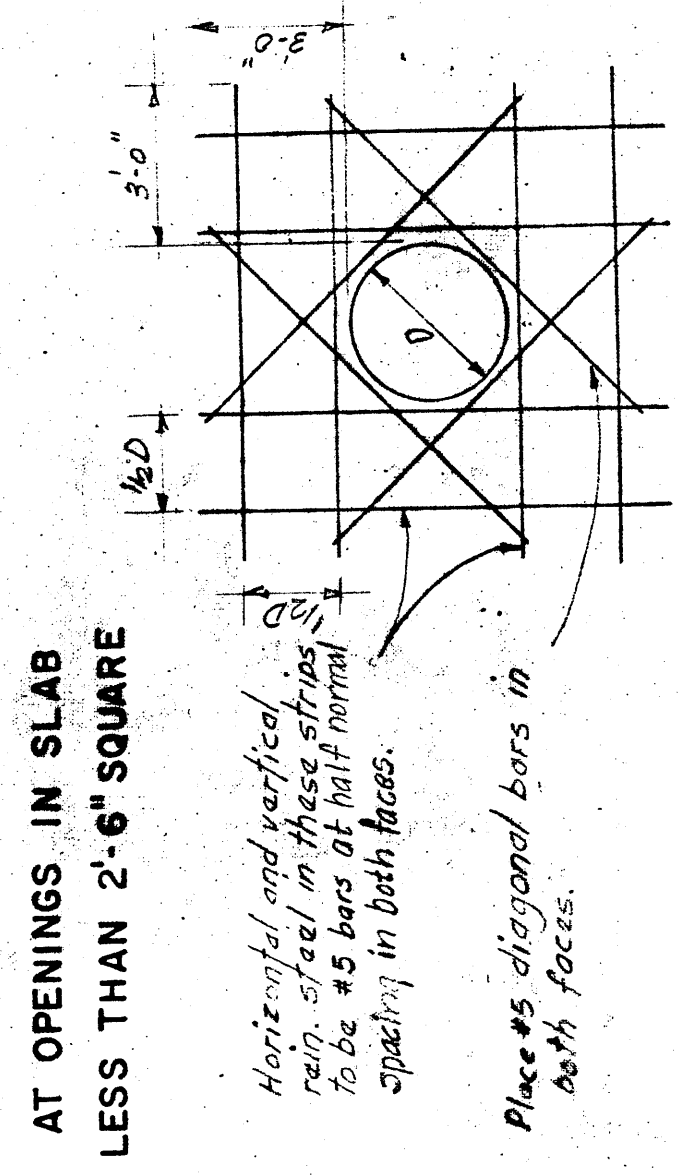
PROFILE - 14" FORCE MAIN
SCALES: HORIZ. 1" = 10'
VERT. 1" = 10'



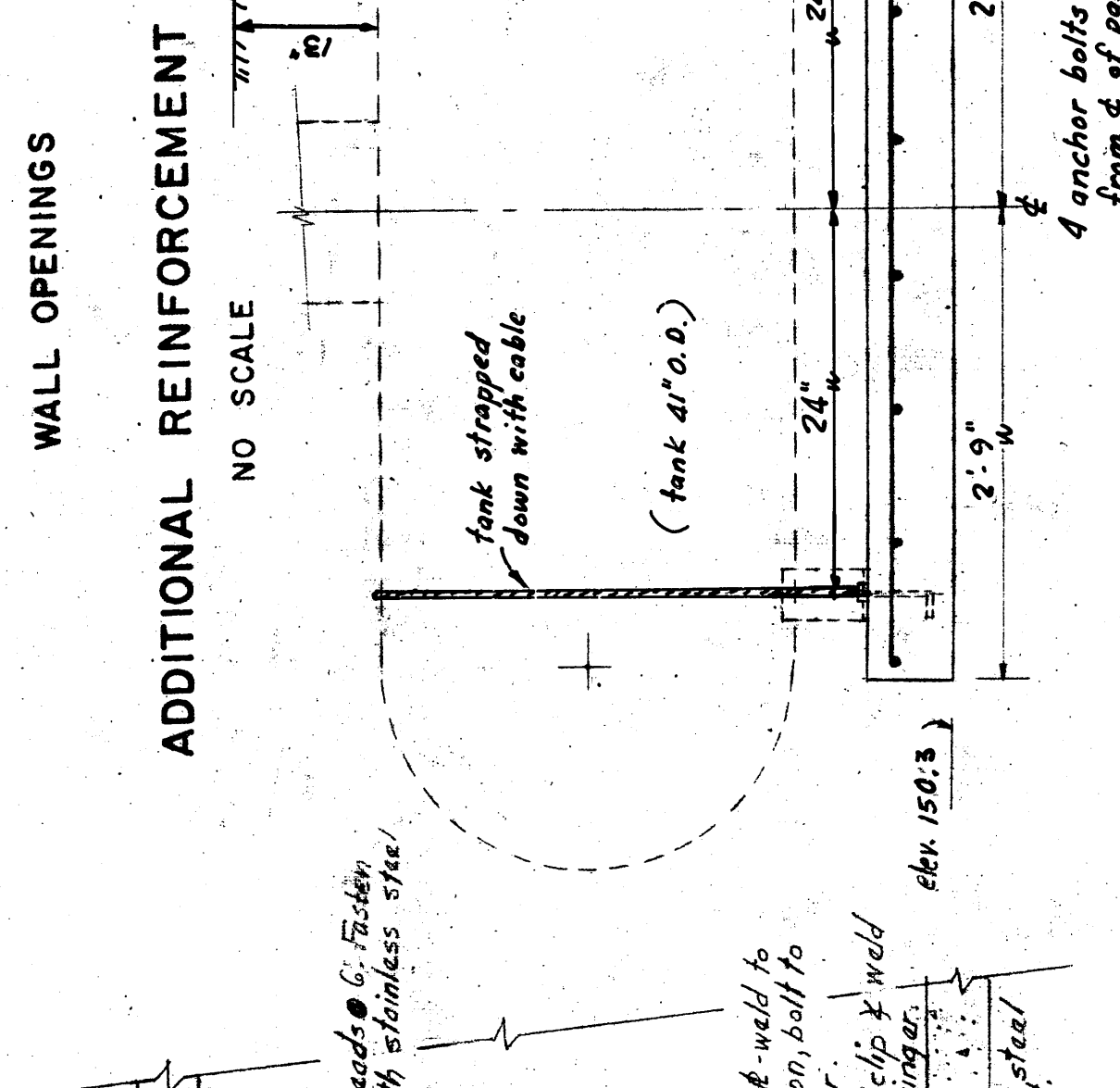
PROFILE - 12" EMERGENCY OVERFLOW
SCALES: HORIZ. 1" = 10'
VERT. 1" = 10'



PLAN AT OUTSIDE CORNER OF SLAB

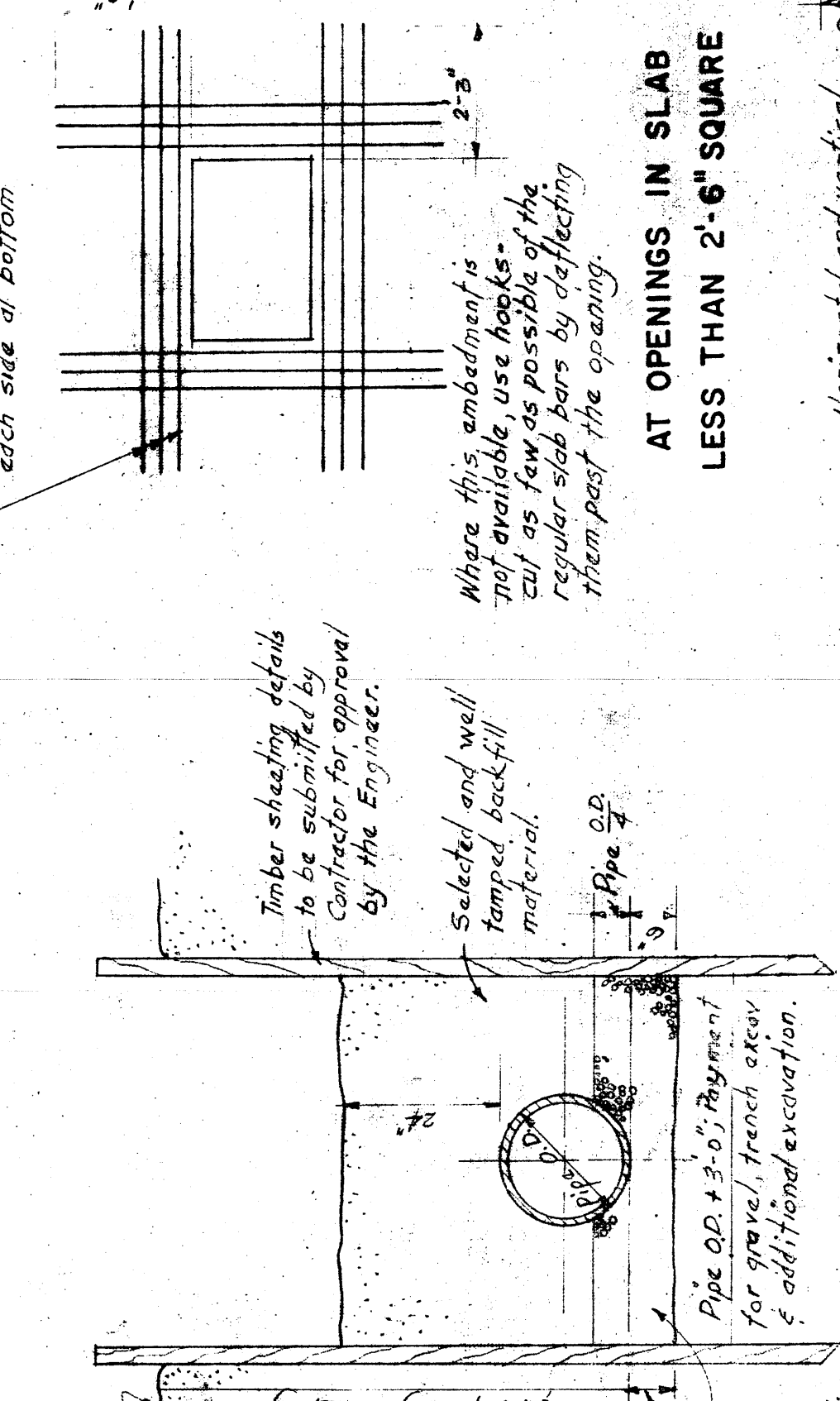


AT OPENINGS IN SLAB
LESS THAN 2'-6" SQUARE



ADDITIONAL REINFORCEMENT

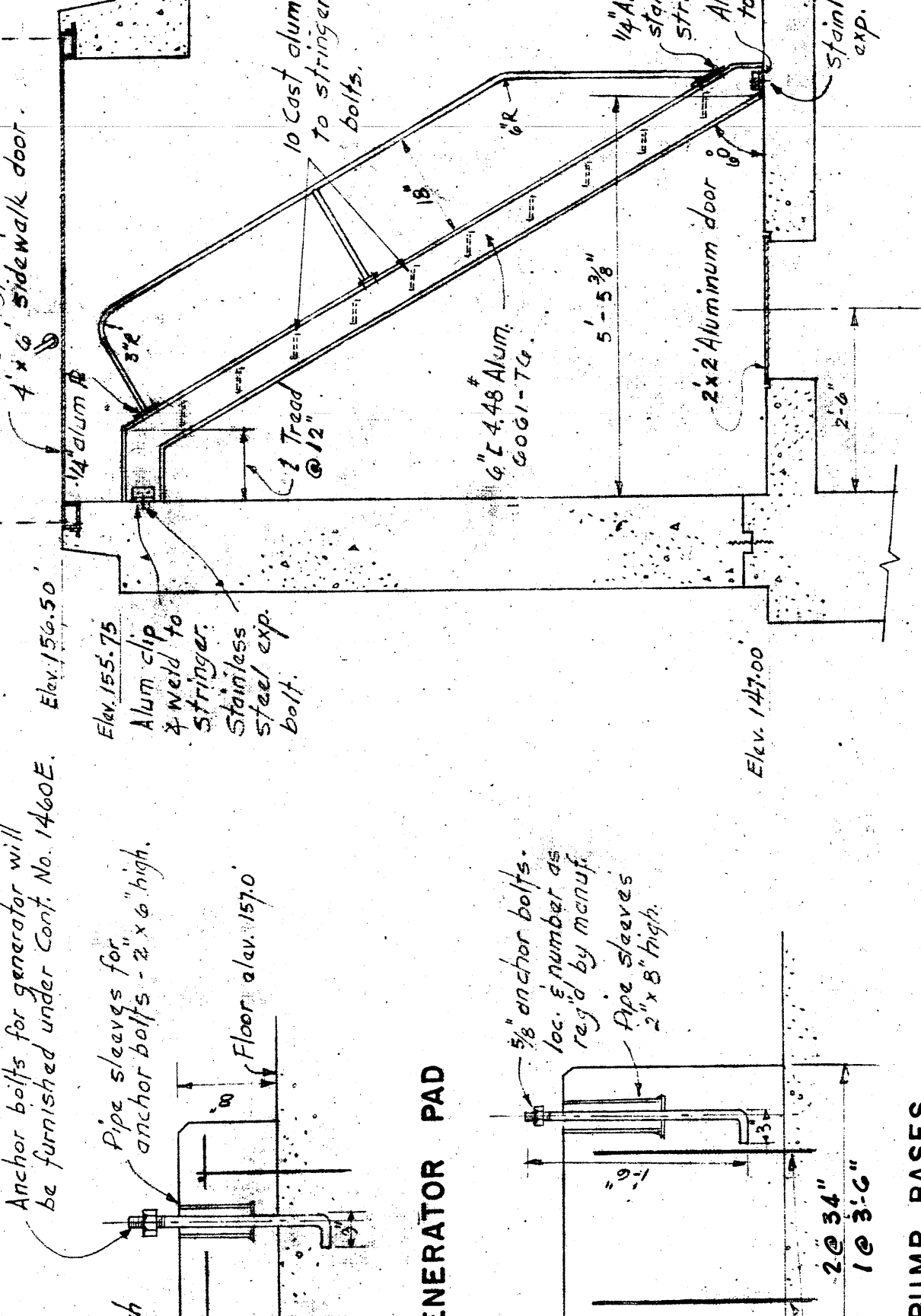
L.P.G. TANK DETAIL
SCALE: 3/4" = 1'-0"



TYPICAL TRENCH DETAILS
SCALE: 1/2" = 1'-0"

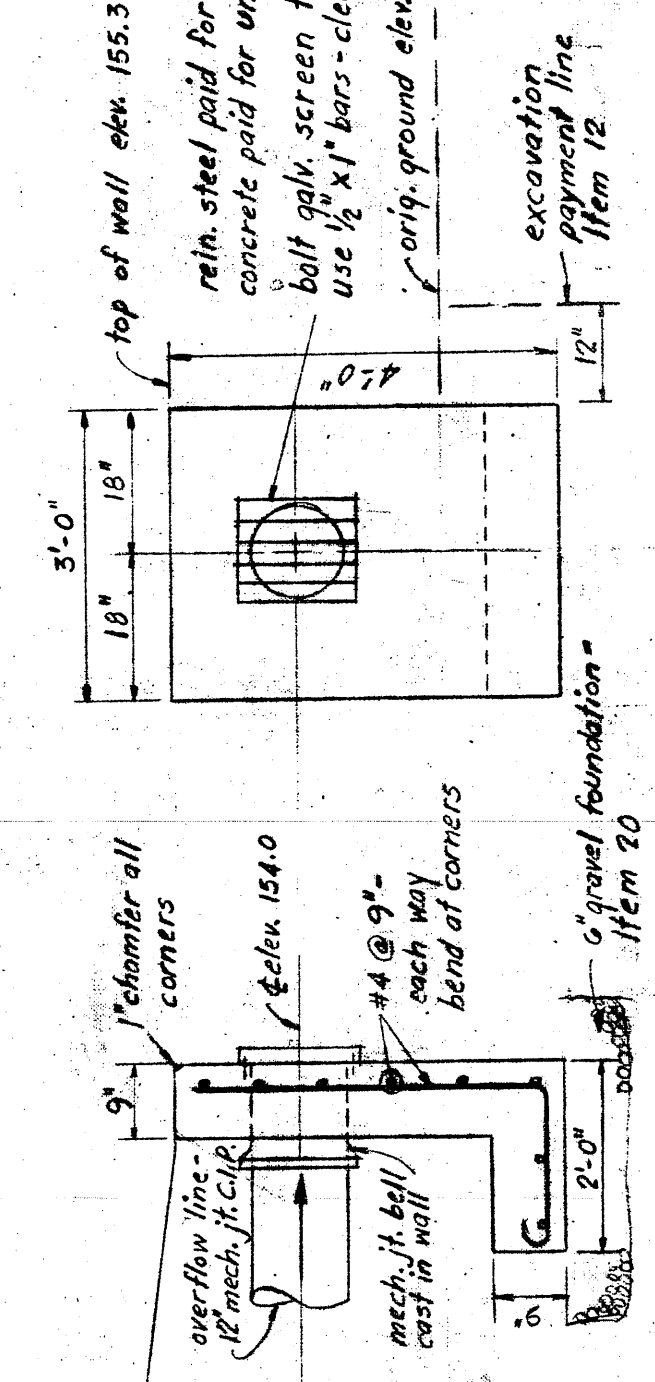
SHEETED TRENCH - EARTH

UNSHEETED TRENCH - EARTH OR ROCK



GENERATOR PAD

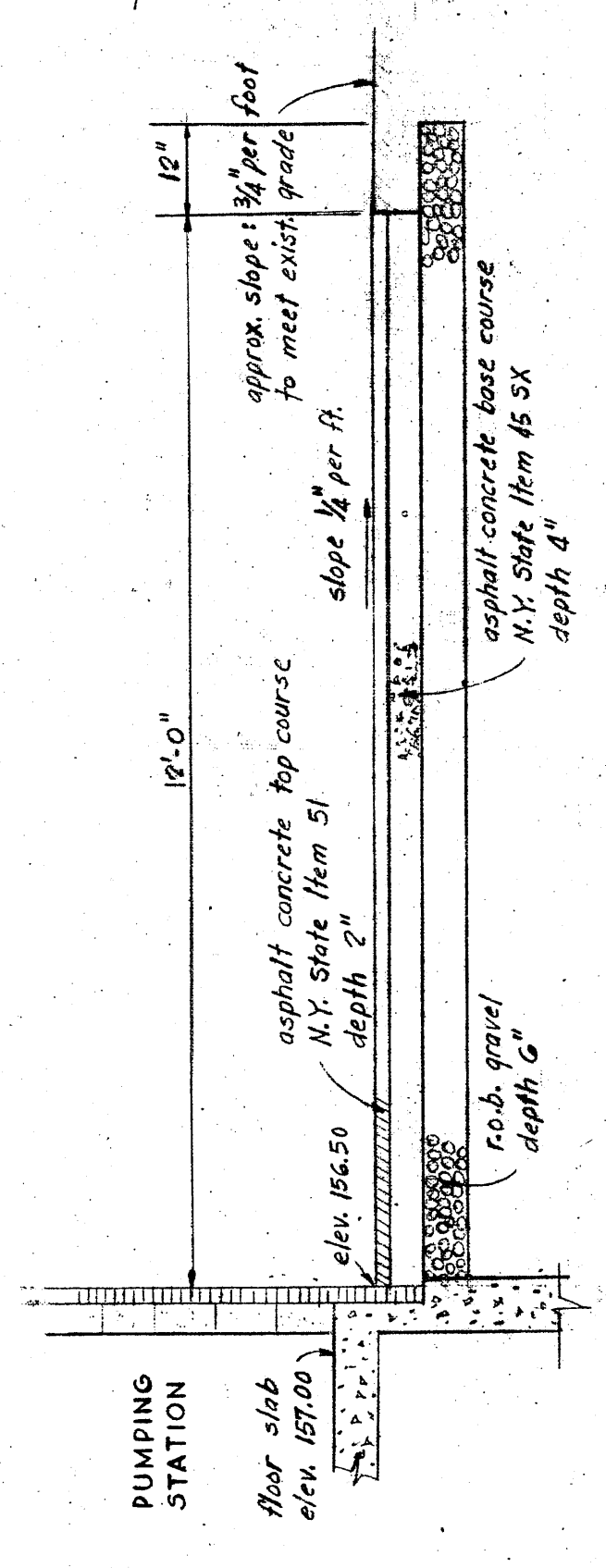
WET WELL ACCESS DETAIL
SCALE: 1/2" = 1'-0"



FRONT
HEADWALL DETAIL
SCALE: 1/2" = 1'-0"

SIDE

PAD & BASE DETAILS
SCALE: 1" = 1'-0"



TYPICAL SECTION FOR PAVEMENT
SCALE: 1" = 2'

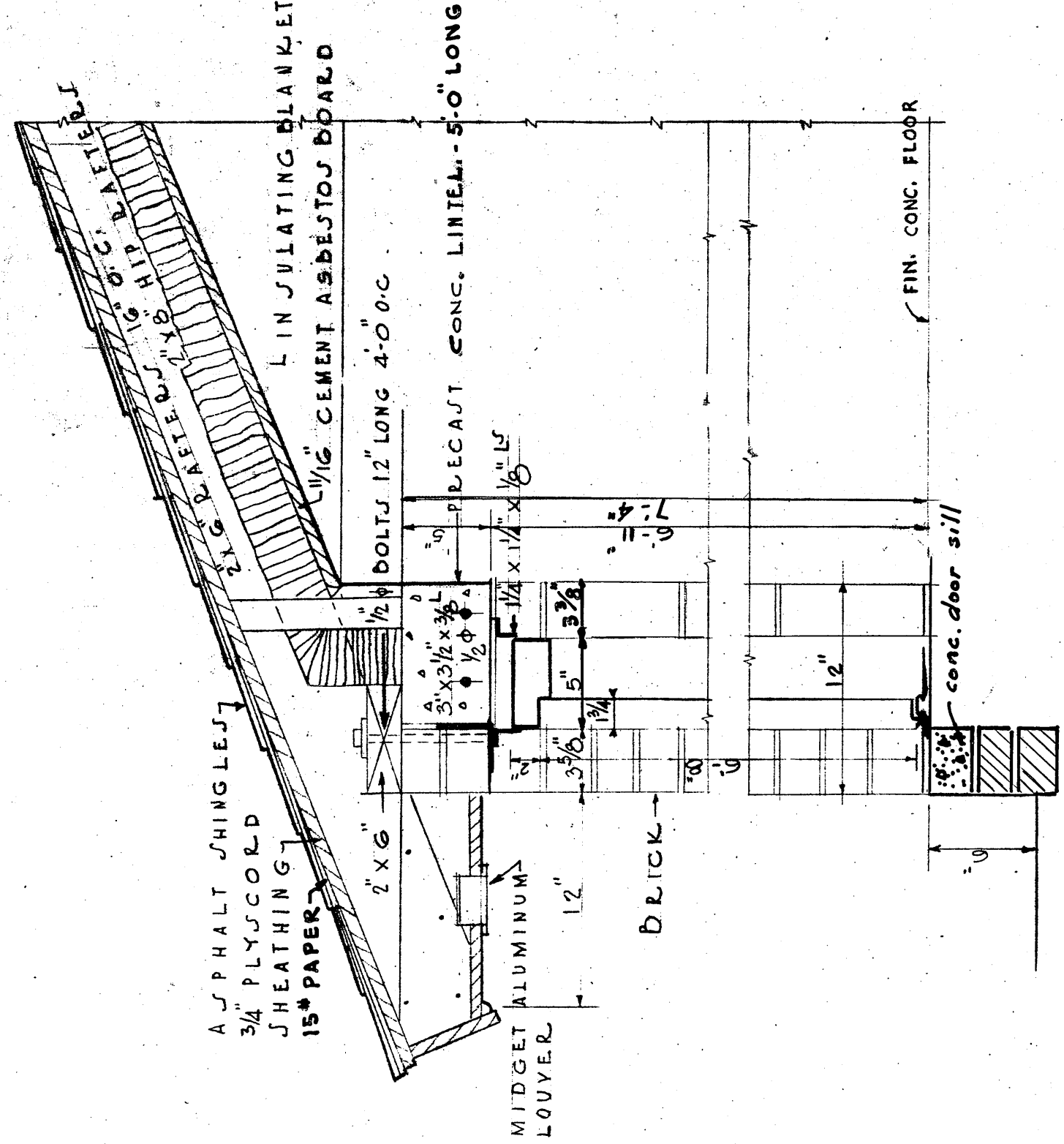
CLAMP DETAIL
SCALE: 1/2" = 1'-0"

FRONT
HEADWALL DETAIL
SCALE: 1/2" = 1'-0"

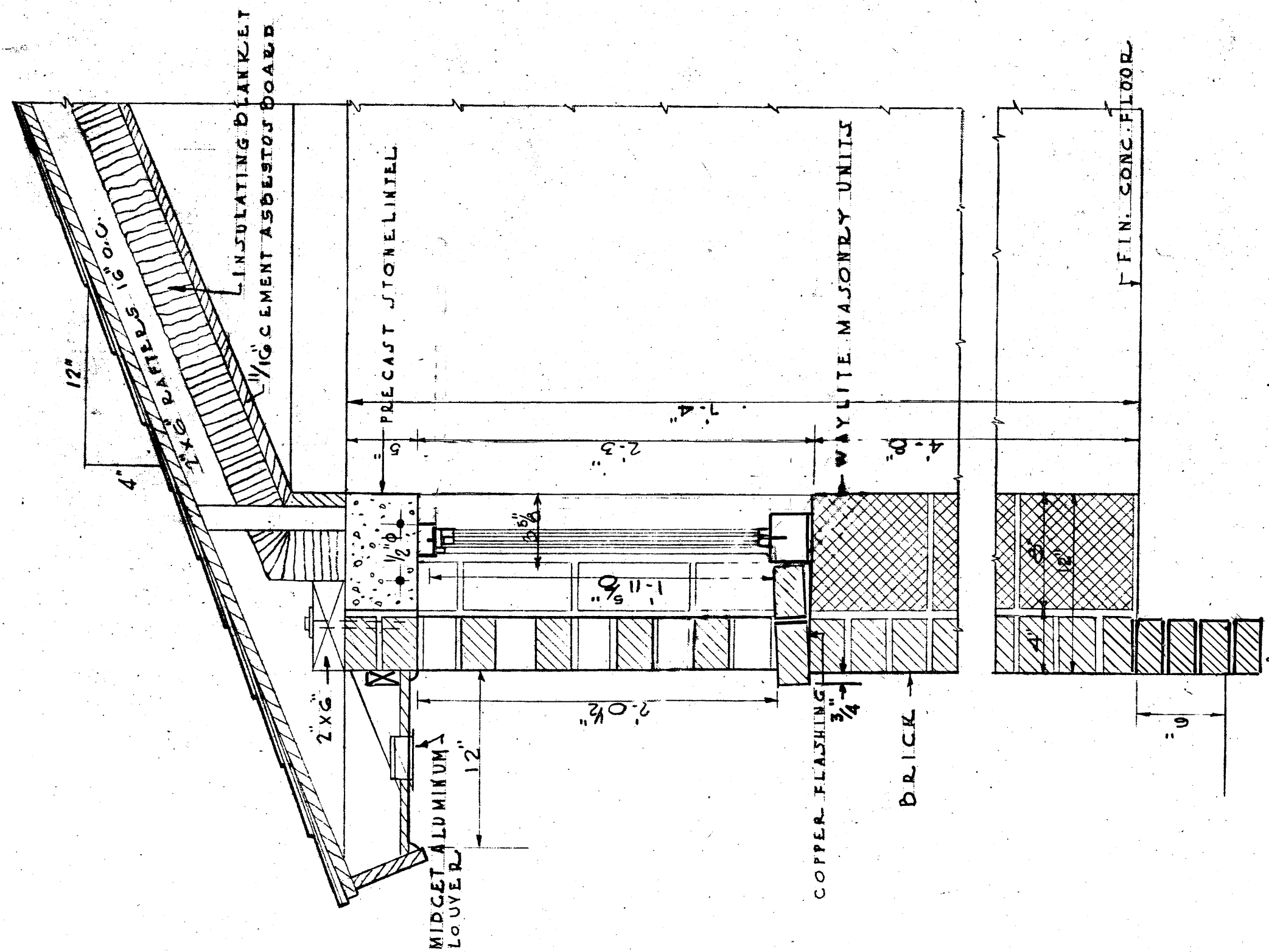
SIDE

RECORD PLAN

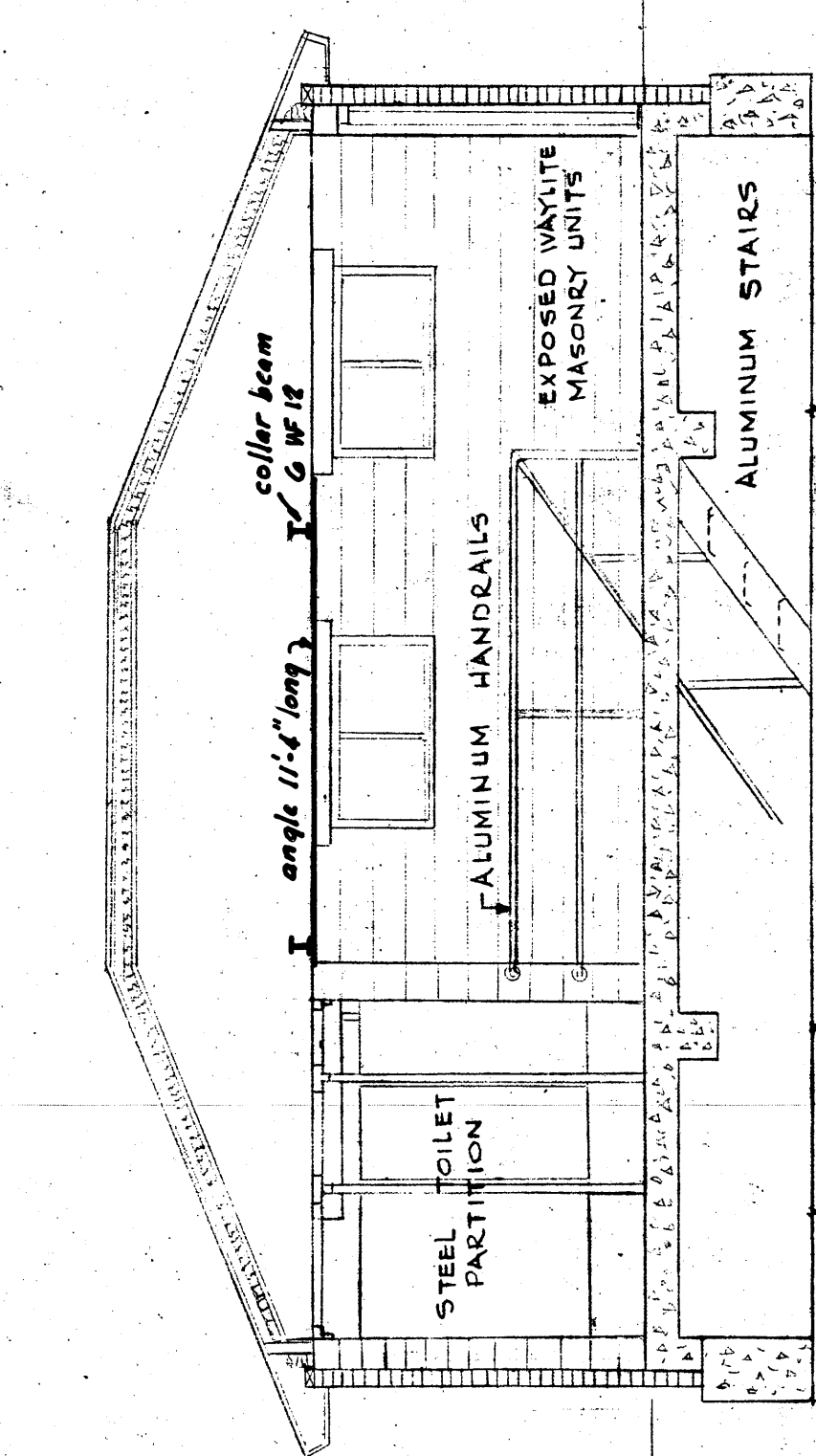
DESIGNED	MR. PAT.	CONTRACT NO. 1460G	COUNTY OF WESTCHESTER	FOR CONSTRUCTION OF	BRONX VALLEY SANITARY SEWER DISTRICT	FEBRUARY 1969
DRAWN	MR. PAT.	FOR CONSTRUCTION OF	DEPARTMENT OF PUBLIC WORKS	SPRAIN PUMPING STATION	LOCATED IN THE TOWN OF GREENBURGH	SHEET 7
TRACED	PAT. - ERL.	FOR THE	DIVISION OF SEWERS	FOR THE	WESTCHESTER COUNTY, NEW YORK	OF 12
CHECKED	GMT. - MAR.	BY: GUY E. GRIFFIN, DEPUTY COMMISSIONER	EDWARD J. DELEHANTY, COMMISSIONER			SHEETS
			AS BUILT ADDITIONS			
			NO.			
			LOCATION			
			DATE			
			BY			
			CKD.			
			REVISIONS			
			NO.			
			LOCATION			
			DATE			
			BY			
			CKD.			
			MISCELLANEOUS DETAILS			



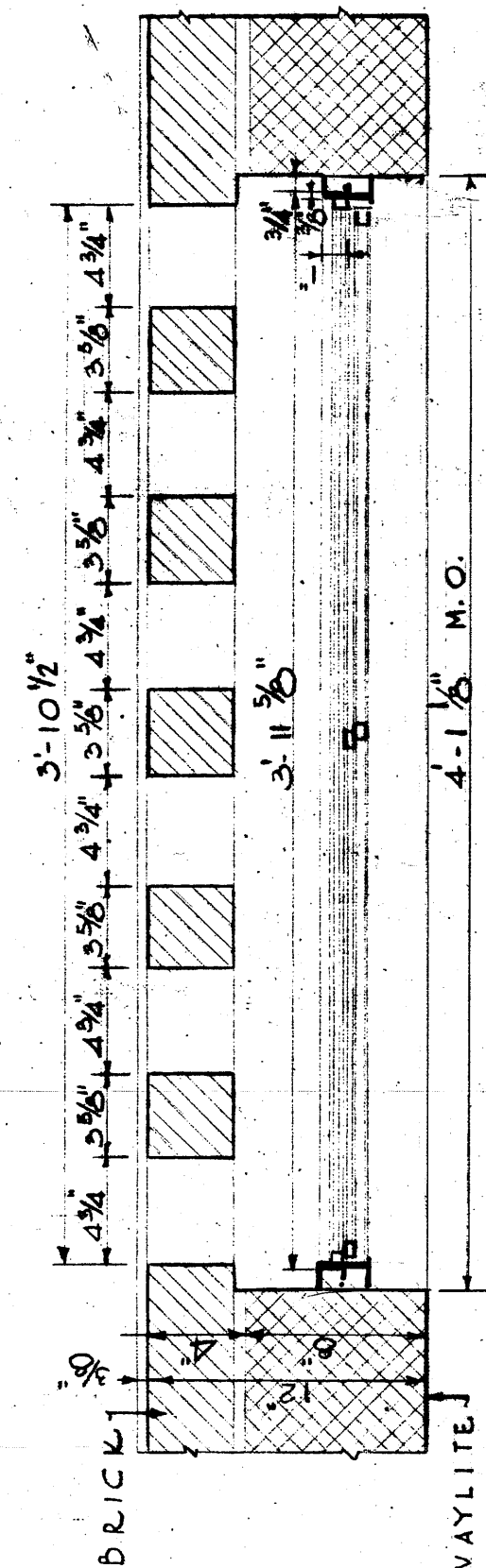
SECTION AT DOORS.
SCALE 1/2" = 1'-0"



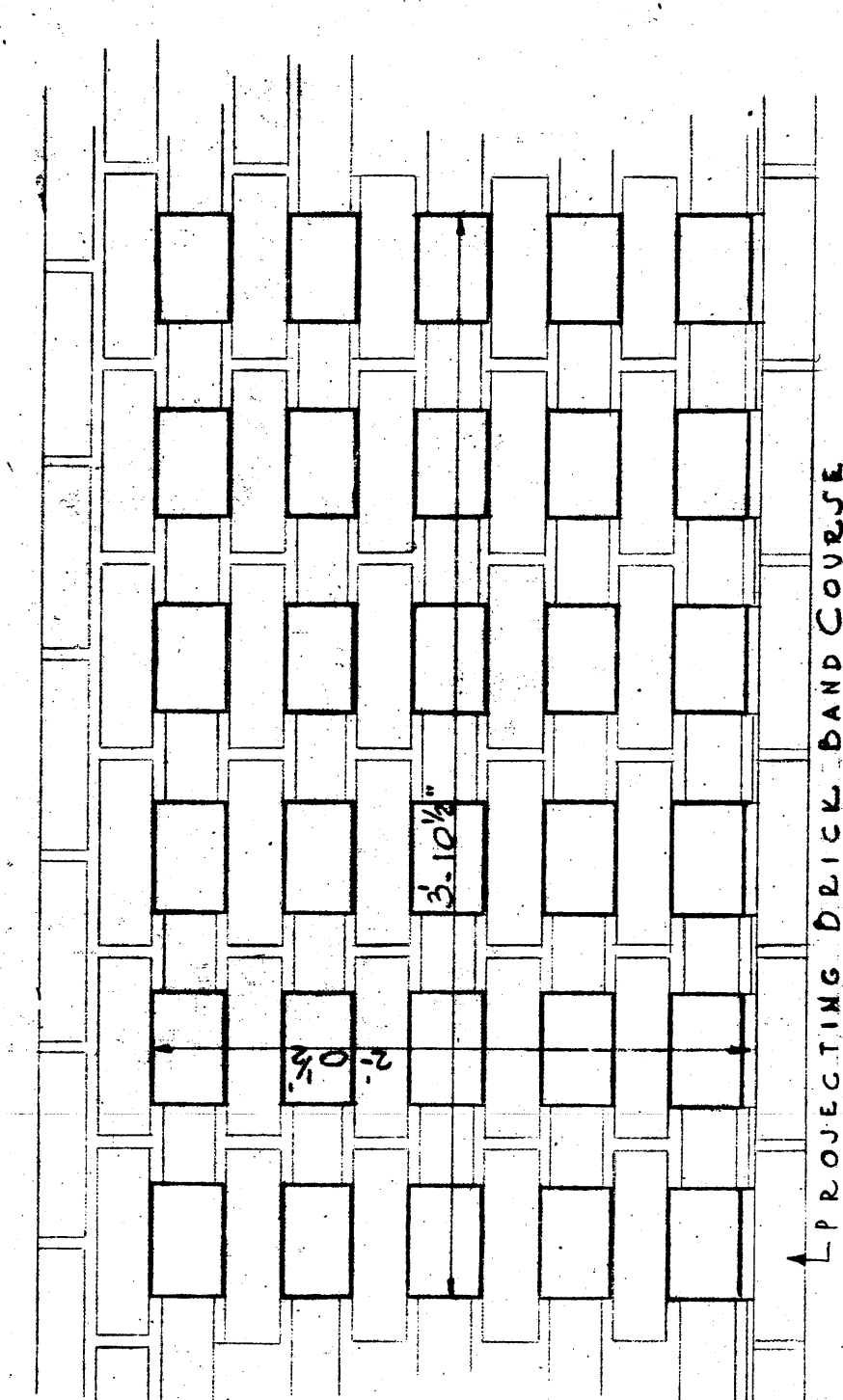
SECTION AT WINDOWS.
SCALE 1/2" = 1'-0"



SECTION A-A.
SCALE 1/4" = 1'-0"



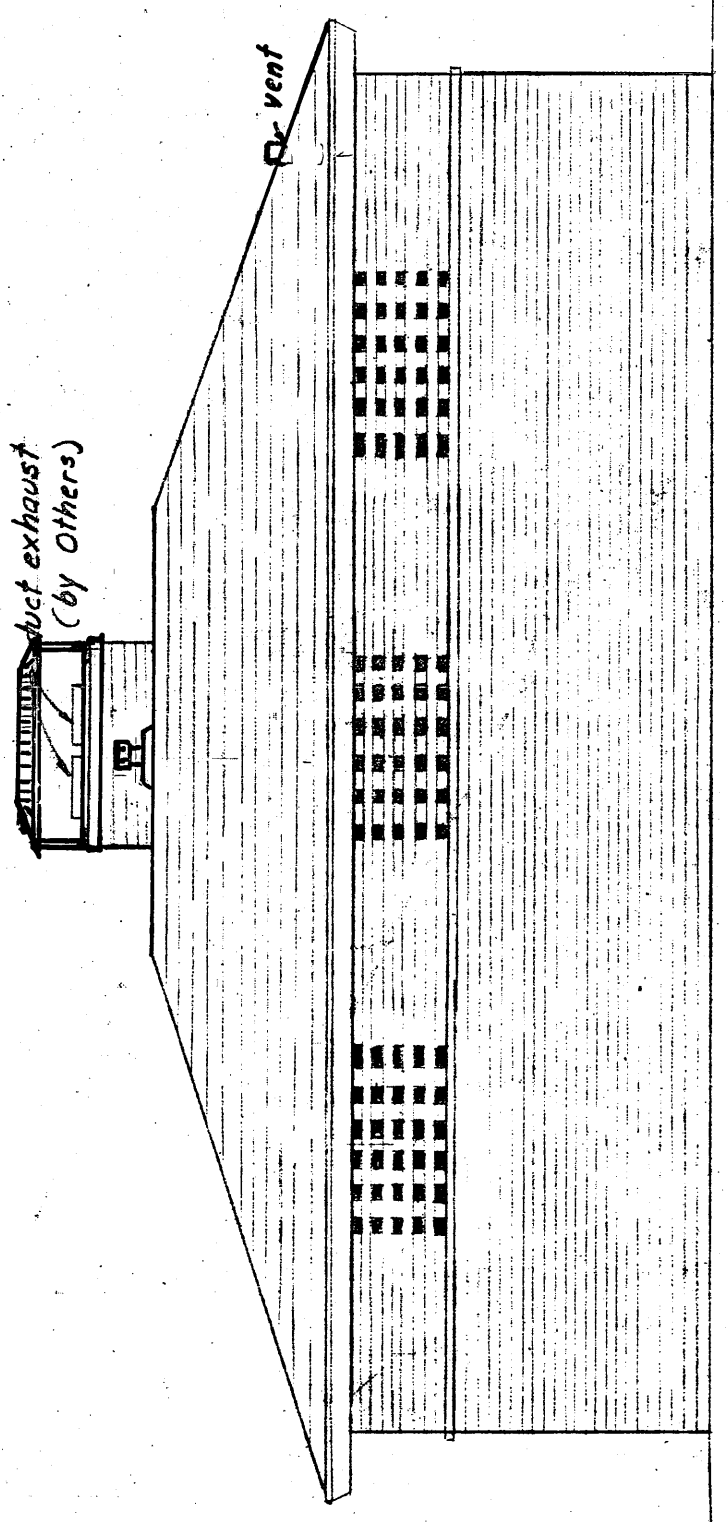
PLAN AT WINDOWS AND GRILLES.
SCALE 1/2" = 1'-0"



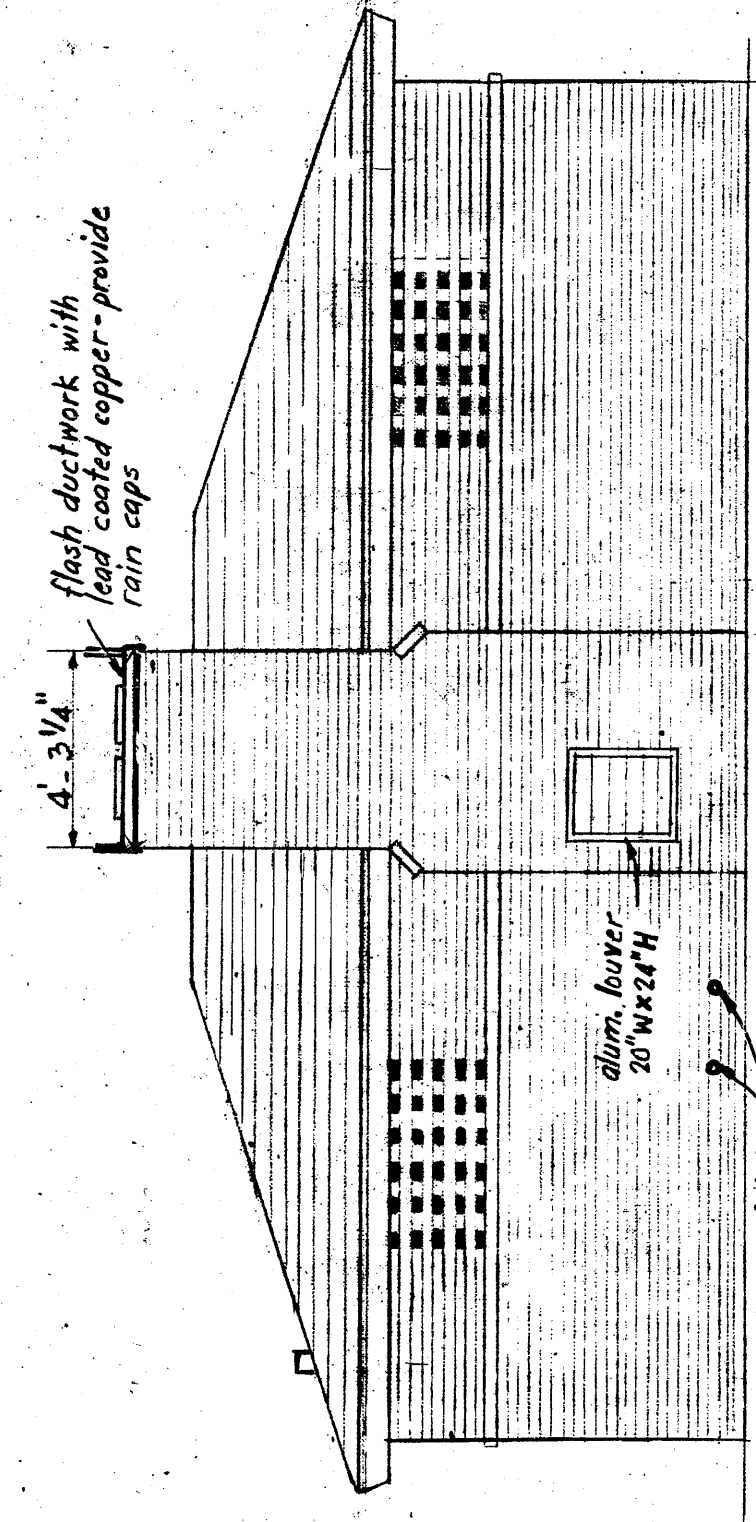
ELEVATION OF BRICK GRILLE.
SCALE 1/2" = 1'-0"

- LEGEND
- FACE BRICK
 - WAYLITE MASONRY UNITS

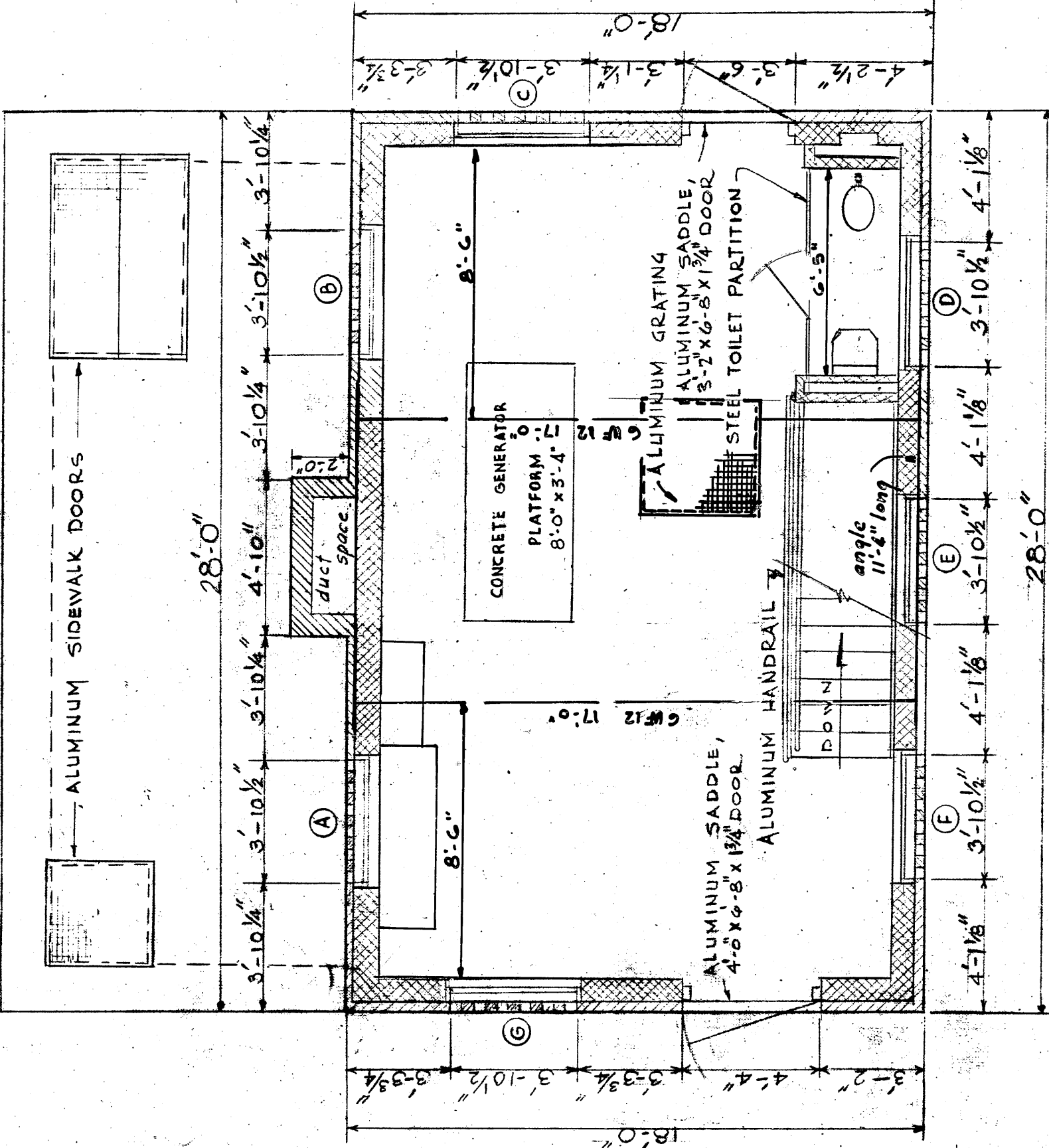
Mark	WINDOW SCHEDULE	
	Sash	Insect Screen
A	Yes	Yes
B	No	Yes
C	No	Yes
D	Yes	Yes
E	No	Yes
F	No	Yes
G	No	Yes



WEST ELEVATION.
SCALE 1/4" = 1'-0"



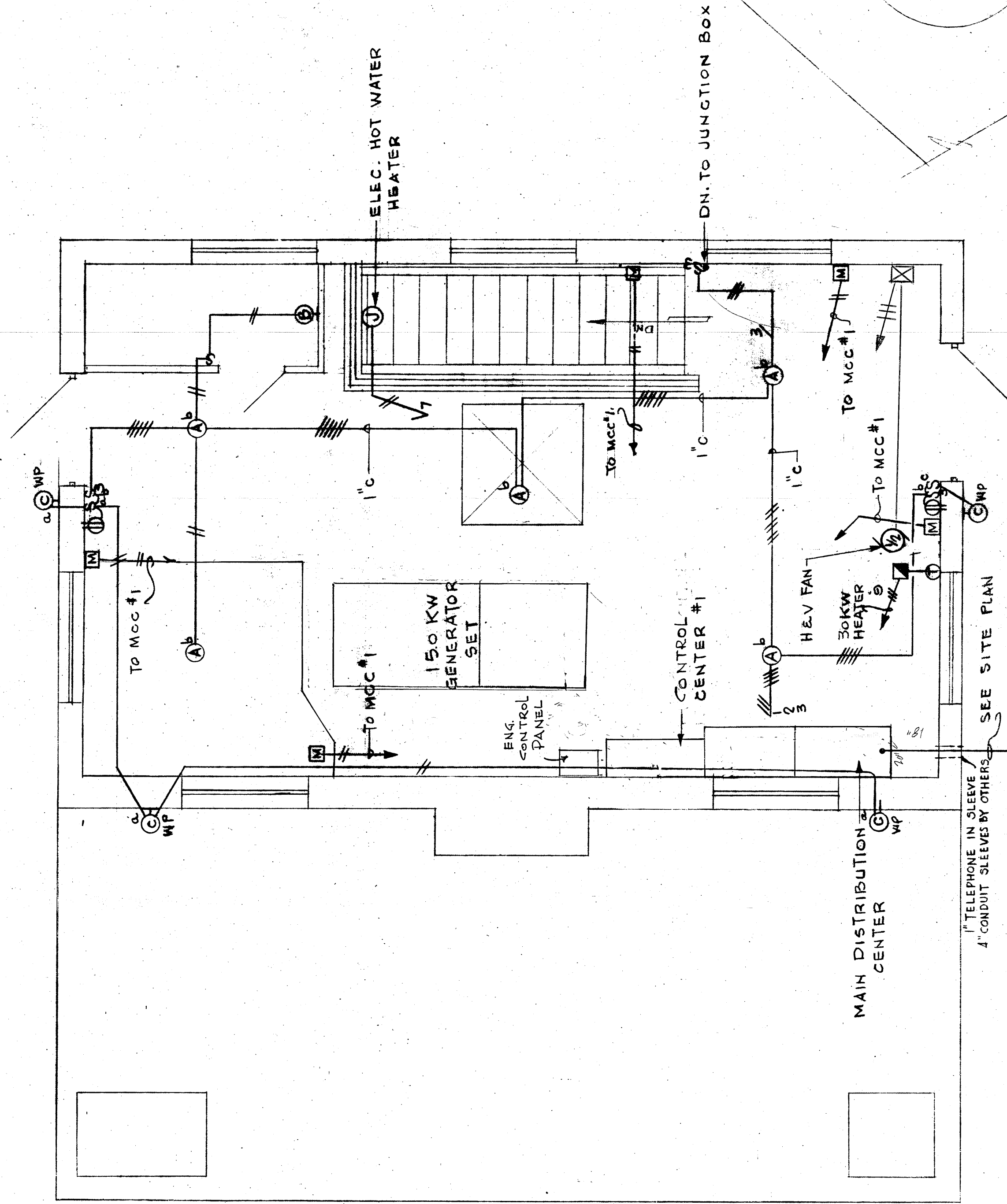
EAST ELEVATION.
SCALE 1/4" = 1'-0"



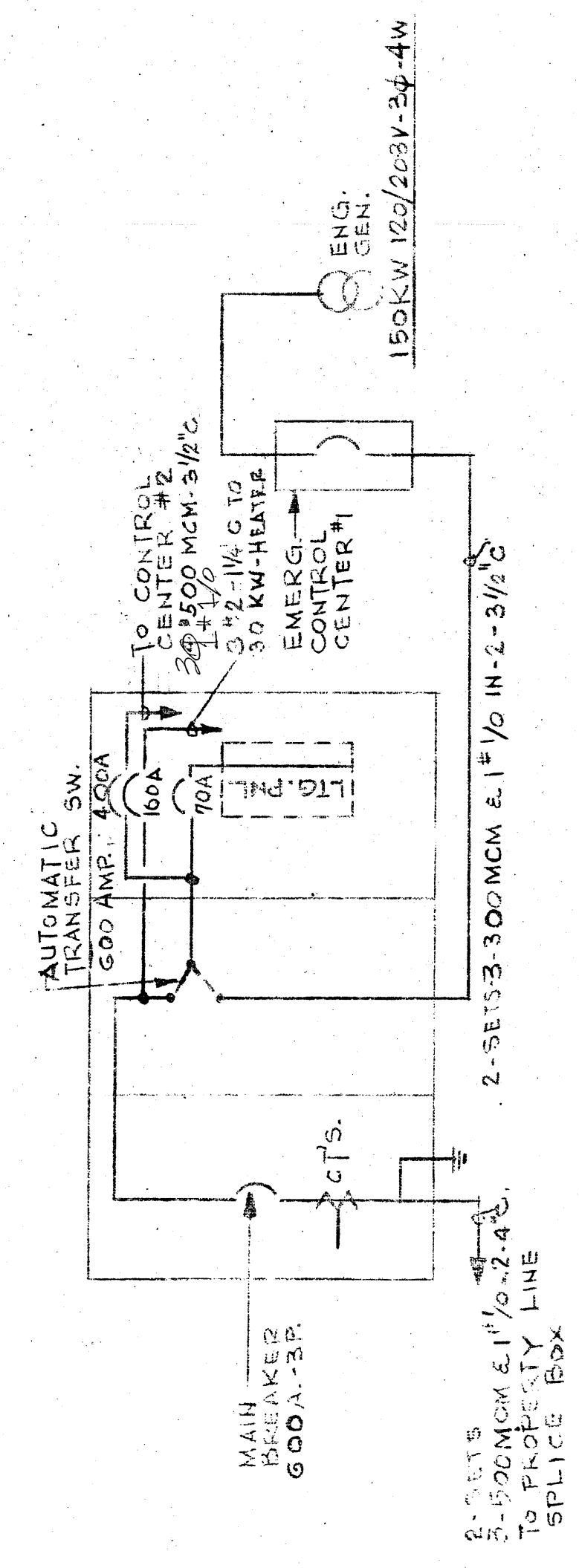
PLAN
SCALE 1/4" = 1'-0"

RECORD PLAN

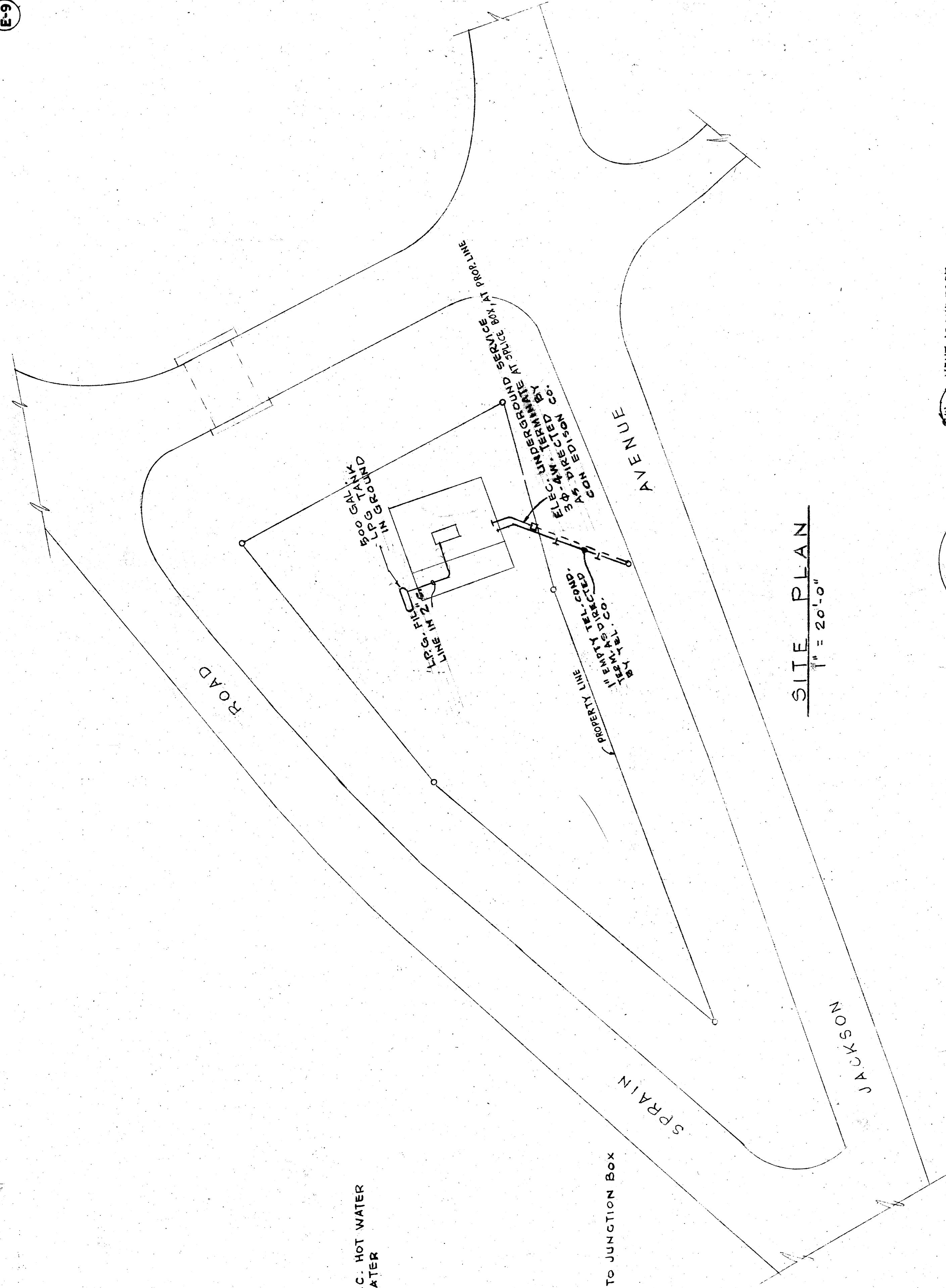
DESIGNED L.E.	NO.	LOCATION	DATE	BY	CKD.
DRAWN L.E.					
TRACED PAT					
CHECKED GWT - MAR					
COUNTY OF WESTCHESTER DEPARTMENT OF PUBLIC WORKS DIVISION OF SEWERS					
CONTRACT NO. 14606 FOR CONSTRUCTION OF SPRAIN PUMPING STATION FOR THE BRONX VALLEY SANITARY SEWER DISTRICT LOCATED IN THE TOWN OF GREENBURGH WESTCHESTER COUNTY, NEW YORK					
ARCHITECTURAL DETAILS					
FEBRUARY 1969					
SHEET 8 OF 12 SHEETS					



TOP FLOOR
3/8" = 1'-0"

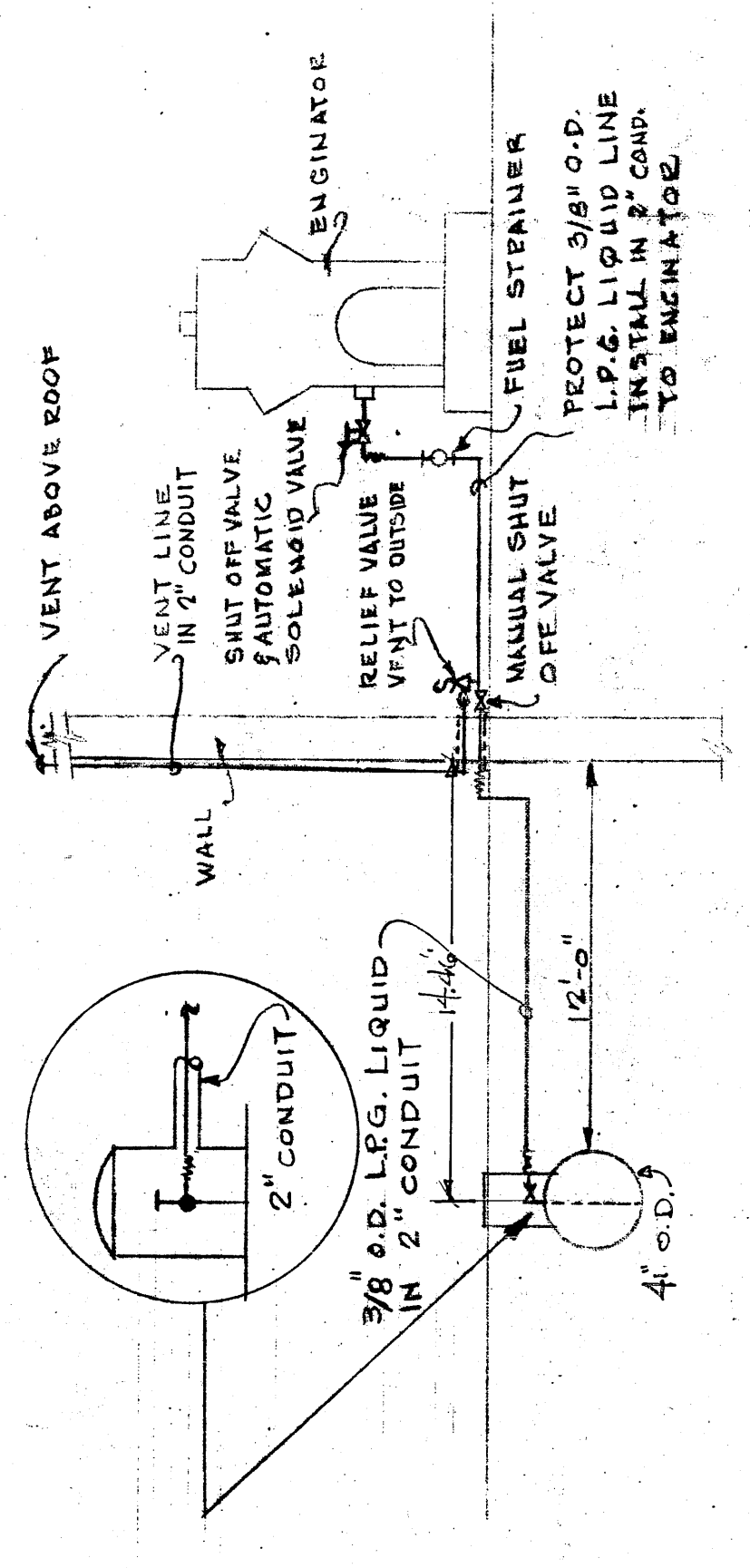


MAIN DISTRIBUTION CENTER DIAGRAM
NOT TO SCALE



SITE PLAN
1" = 20'-0"

LIGHTING PANEL SCHEDULE			
CKT. NO.	SERVES	WATTAGE	CIRCUIT BREAKER
1	LIGHTING	1	50A 20A
2	LIGHTING	1	50A 20A
3	LIGHTING	1	50A 20A
4	RECEPTACLES	1	50A 20A
5	FAN E-1	1	50A 20A
6	FAN E-2	1	50A 20A
7	HW HEATER	1	50A 20A
8	SUMP PUMP	1	50A 20A
9	H.V. UNIT	3	25A
10	PUMP & COMPRESSOR	3	100 50A
11	FLOW METER TRANSMITTER	1	50 20A
12-16	SPARES	1	50 20A



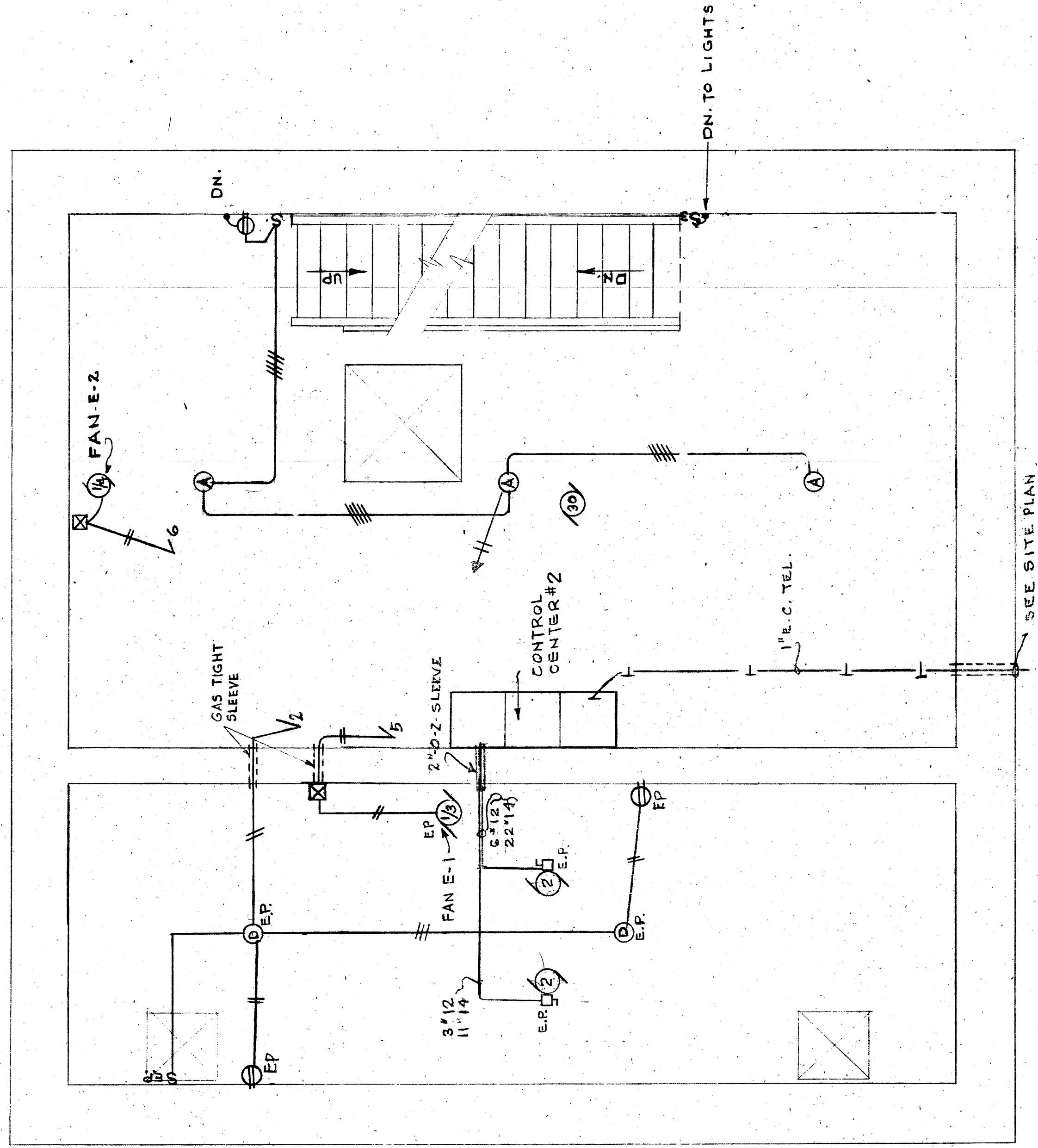
L.P.G. FUEL PIPING DIAGRAM
NOTE: SEE SPECIFICATIONS

RECORD PLAN

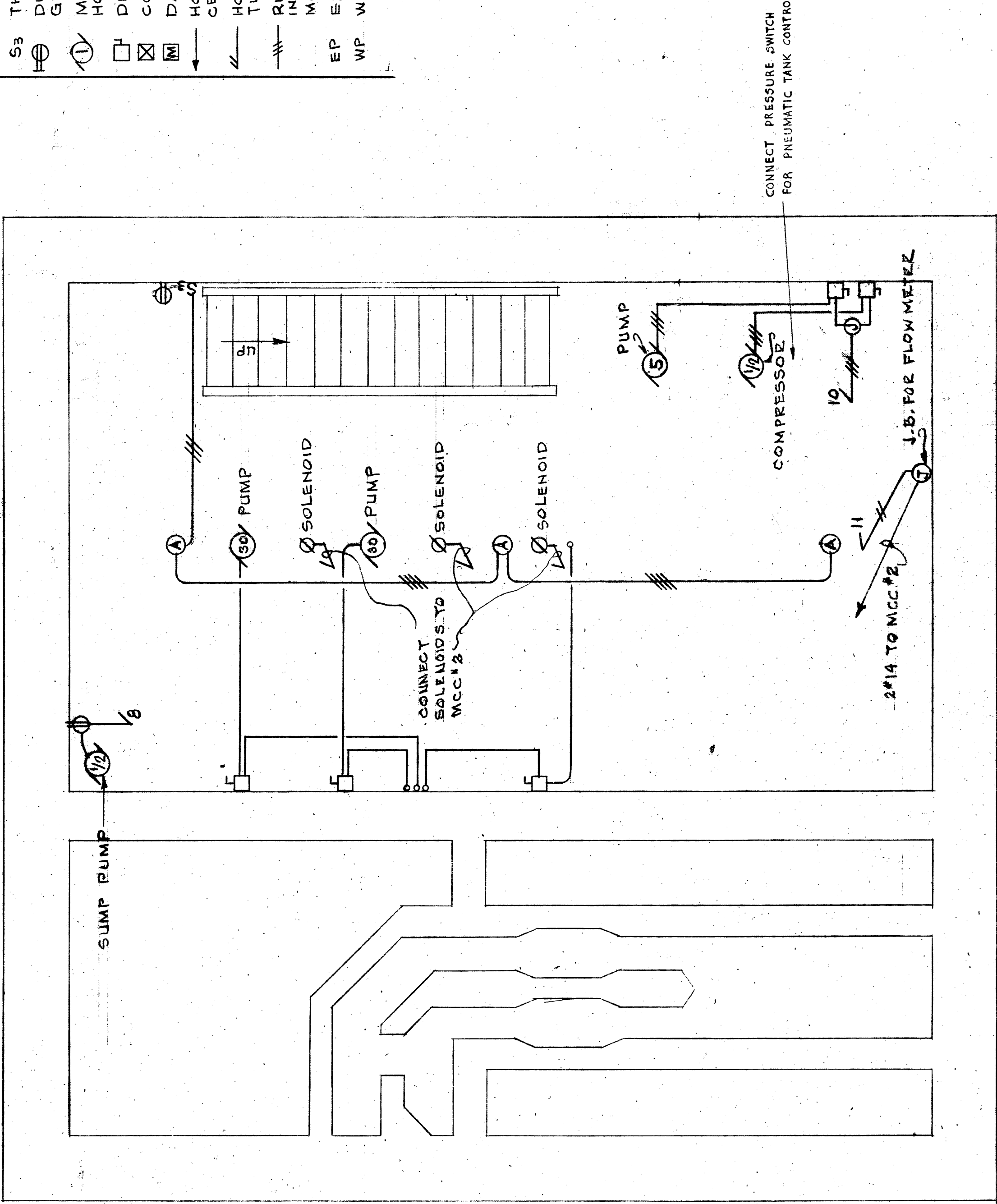
DESIGNED M.F.D.	DRAWN V.V.	TRACED F.G.	CHECKED M.F.D.	ANTHONY J. DIMARINO Consulting Engineer 420 Livingston Avenue New York, N.Y. 10017	COUNTY OF WESTCHESTER DEPARTMENT OF PUBLIC WORKS DIVISION OF SEWERS	CONTRACT NO. 1460E - ELECTRICAL WORK APPURTENANT TO THE CONSTRUCTION OF THE SPRAIN PUMPING STATION FOR THE BRONX VALLEY SANITARY SEWER DISTRICT LOCATED IN THE TOWN OF GREENBURGH WESTCHESTER COUNTY NEW YORK	SITE & TOP FLOOR PLAN	FEBRUARY 1969
				NO.	LOCATION	DATE	BY	CKD.
				AS BUILT ADDITIONS				
				REVISIONS				
				NO.	LOCATION	DATE	BY	CKD.
				SHEET E-9 OF 12 SHEETS				

SYMBOLS (E-10)

- INCANDESCENT LTG. FIXTURE
- INCANDESCENT WALL BRACKET
- JUNCTION BOX
- S SINGLE POLE SWITCH
- S₃ THREE-WAY SWITCH
- DUPLEX RECEPTACLE 20A. GROUND.
- MOTOR NUMERAL DENOTES HORSEPOWER
- DISCONNECT SWITCH
- COMBINATION STARTER
- DAMPER MOTOR
- HOME RUN TO MOTOR CONTROL CENTER
- HOME RUN TO LTG. PNL.
- TICKS DENOTE NO. OF CKTS.
- RIGID CONDUIT CROSS LINES INDICATE WIRES WHEN MORE THAN TWO.
- EP EXPLOSION PROOF
- WP WEATHER PROOF

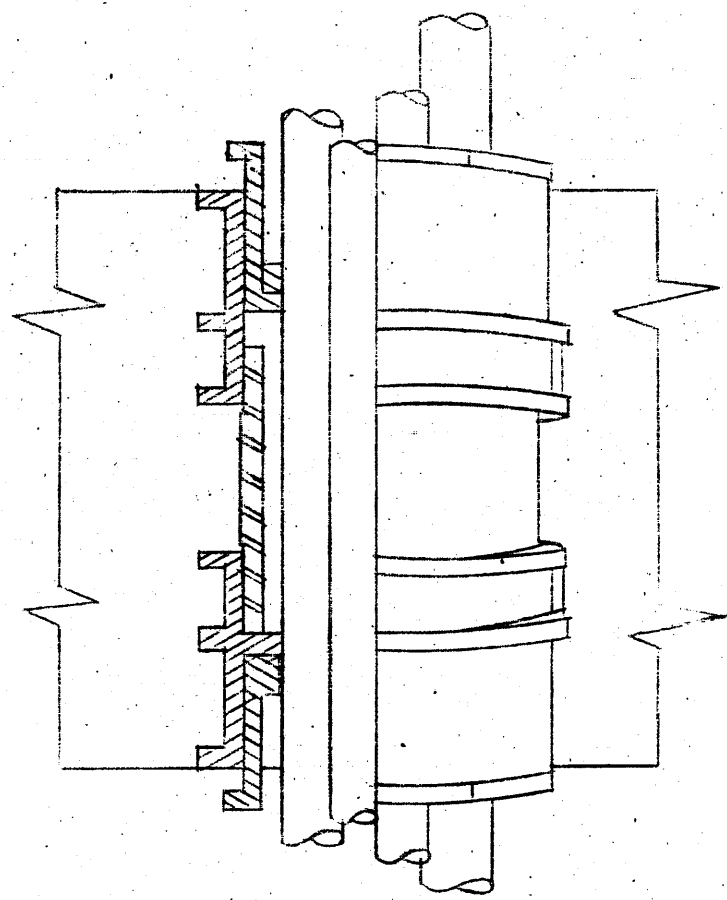


MIDDLE FLOOR
3/8" = 1'-0"



BASEMENT FLOOR
9/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE			
TYPE	CAT. NUMBER & MFR.		WATTS
A	MILLER #AE-3011		150W
B	PASS & SEYMOUR PORCELAIN BRKT.		100W
C	MCPHILBEN 43-40VT W/GUARD		100W
D	RUSSELL & STOLL-CLG.-EXPL. PROOF		150W



SLEEVE DETAIL
(FOR CONDUIT AND MULTIPLE
TUBES AND PIPE SMALLER THAN 2" DIA.)
NOT TO SCALE

RECORD PLAN

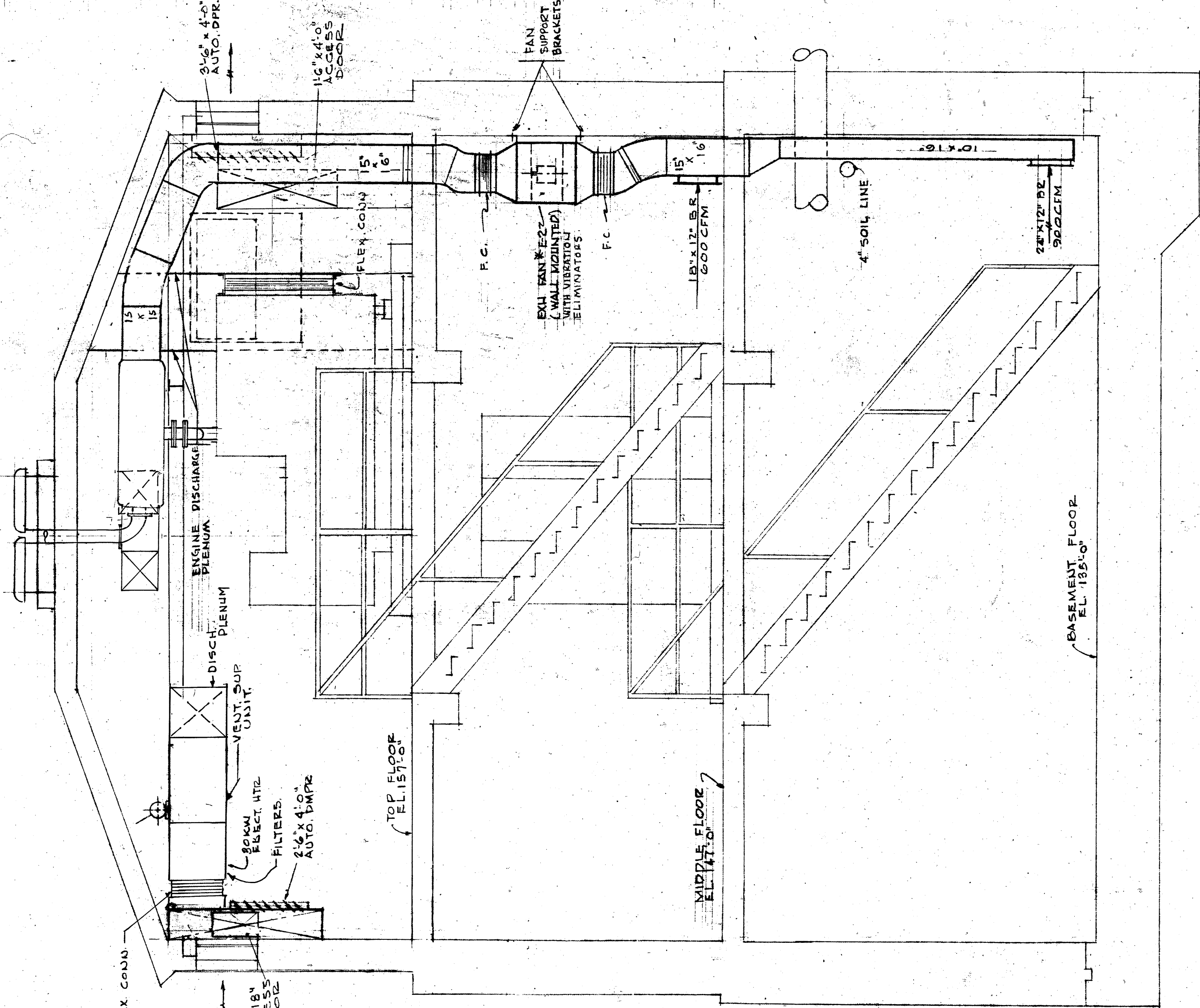
DESIGNED M.F.D.	DRAWN V.V.	TRACED F.G.	CHECKED M.F.D.	ANTHONY J. DIMARTINO, P.E. Consulting Engineer 420 Livingston Avenue New York, N.Y. 10017	NO. LOCATION DATE BY CKD. AS BUILT ADDITIONS	COUNTY OF WESTCHESTER DEPARTMENT OF PUBLIC WORKS DIVISION OF SEWERS EDWARD DELEHANTY, COMMISSIONER BY: GUY A. GRIFFIN, DEPUTY COMMISSIONER	CONTRACT NO. 1460E - ELECTRICAL WORK APPURTENANT TO THE CONSTRUCTION OF THE SPRAIN PUMPING STATION FOR THE BRONX VALLEY SANITARY SEWER DISTRICT LOCATED IN THE TOWN OF GREENBURGH WESTCHESTER COUNTY, NEW YORK	MIDDLE & BASEMENT FLOOR PLANS	FEBRUARY 1969 SHEET E-10 OF 12 SHEETS
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SYMBOLS		HVP
---	SOIL WASTE DRAIN	
---	COLD WATER	
---	HOT WATER	
---	PNEUMATIC WATER	
---	COMPRESSED AIR	
---	VALVE	
---	CHECK VALVE	
---	STEAMER	
---	UNION	
---	THERMOSTAT	

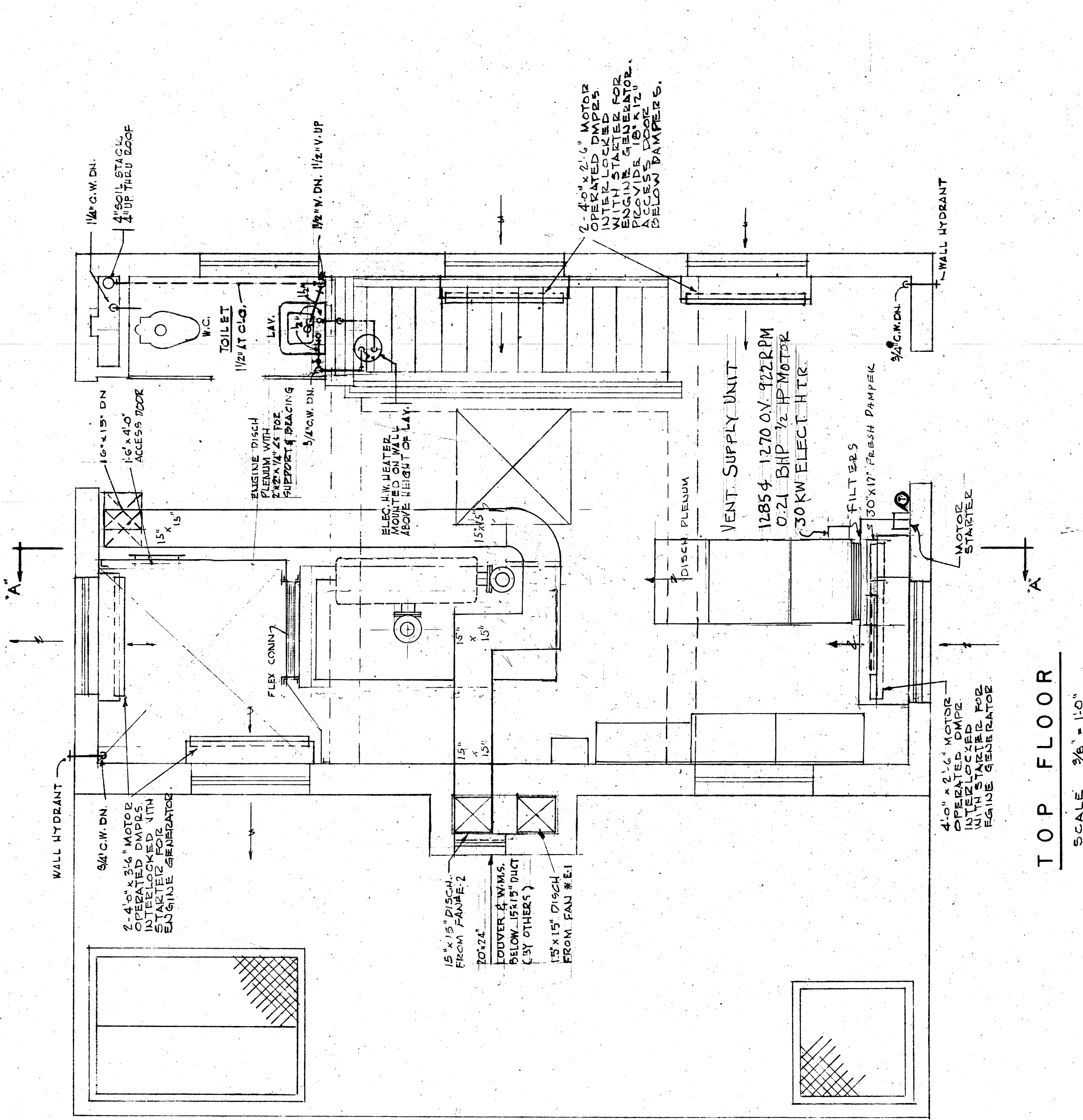
ABBREVIATIONS	
S	SOIL
W	WASTE
V	VENT
CW	COLD WATER
HW	HOT WATER
PC	PNEUMATIC
DN	DOWN
UP	UP
CO	CLEAN OUT
IN	INVERT
EL	ELEVATION
CL	CLEARANCE
COMP	COMPRESSED
MIN	MINIMUM
W.C.	WATER CLOSET
LAV	LAVATORY
EL	ELEVATION
EL	EL ELEVATION
EL	EL ELEVATION

FIXTURE CONNECTIONS	
FIXTURE	MIN. CONN. SIZE
WATER CLOSET	4" 1/4"
LAVATORY	1 1/2" 1/2"

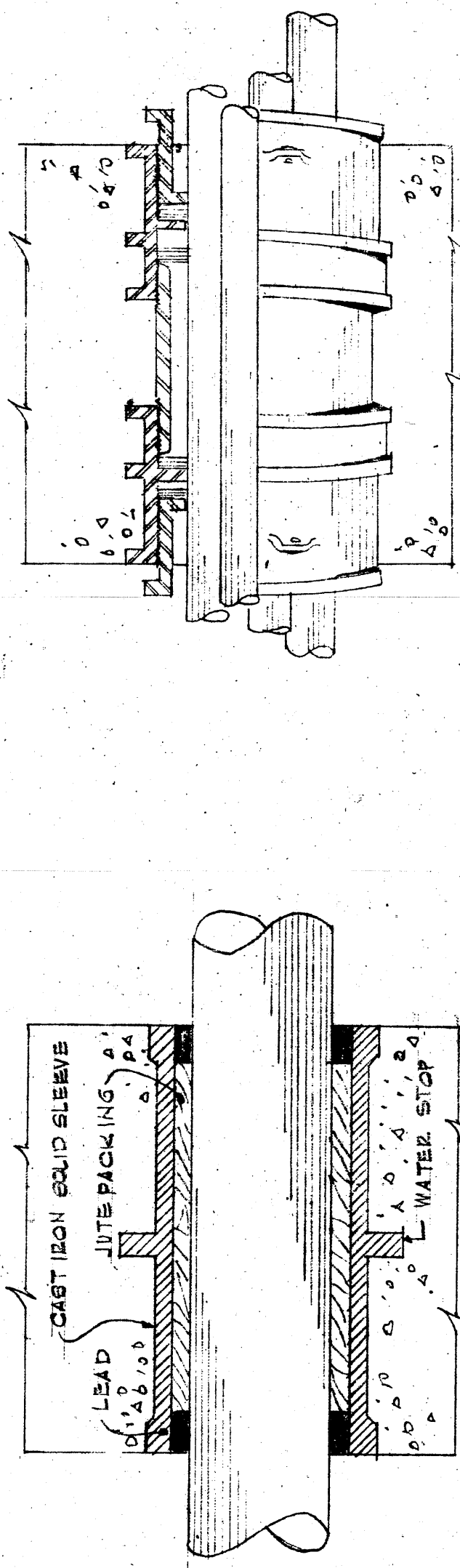
- NOTES:
1. CONNECT TO RAW SEWAGE PUMPS AND INSTALL SOLENOID VALVE, FLOW RATE INDICATOR & NEEDLE VALVE AS INDICATED IN PNEUMATIC WATER SCHEMATIC.
 2. CONNECT TO FLOW METER & TRANSMITTER & INSTALL CHECK VALVES, NEEDLE VALVES, FLOW RATE INDICATOR, FLOW RATE TRANSMITTER & UNIONS AS INDICATED IN FLOW METER SCHEMATIC.



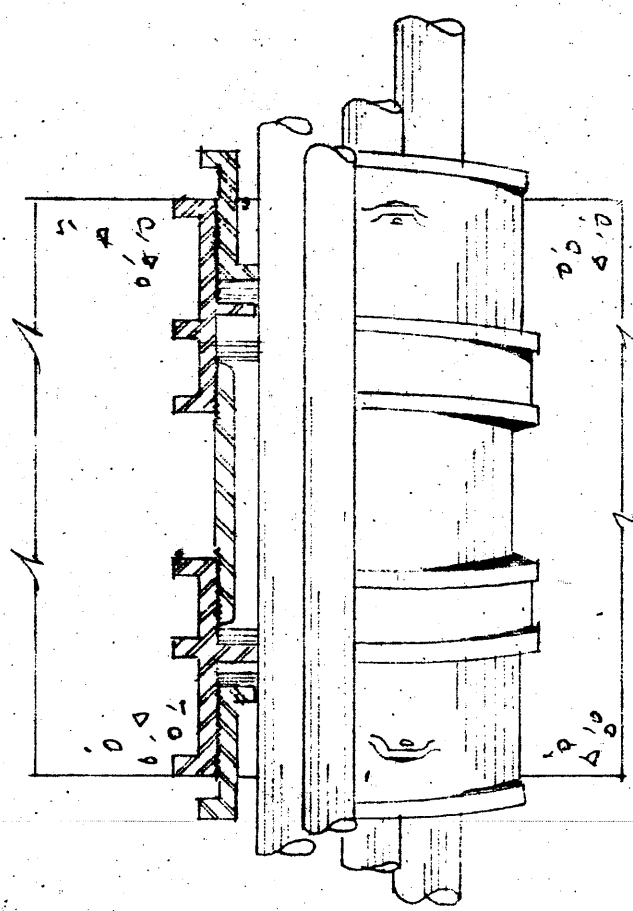
SECTION A-A
SCALE 3/8" = 1'-0"



TOP FLOOR
SCALE 3/8" = 1'-0"



DETAIL OF GASTIGHT SLEEVE
NOT TO SCALE
(FOR PIPES GREATER THAN 2 1/2" DIA)
ALL SLEEVES OF THIS TYPE IN CONT. 14604
CAULKING IN CONTRACTS 1460E.H.P



O-Z SLEEVE DETAIL
NOT TO SCALE
(FOR CONDUIT AND MULTIPLE TUBES
AND PIPE SMALLER THAN 2 1/2" DIA)
SLEEVES OF THIS TYPE IN CONT. 1460E.H.P

RECORD PLAN

DESIGNED E.S.Q.	DRAWN W.F.L.	TRACED F.G.	CHECKED A.J.D.	<div> </div>	<div> <div>ANTHONY J. DIMARTINO, P.E.</div> <div>Consulting Engineer</div> <div>420 Lexington Avenue</div> <div>New York, N.Y. 10017</div> </div>	<div> <div>COUNTY OF WESTCHESTER</div> <div>DEPARTMENT OF PUBLIC WORKS</div> <div>DIVISION OF SEWERS</div> </div>	<div> <div>CONTRACT NO. 1460H-HTG-B VENT. WORK APPURTENANT</div> <div>CONTRACT NO. 1460P - PLUMBING WORK APPURTENANT</div> <div>TO THE CONSTRUCTION OF THE</div> <div>SPLAIN PUMPING STATION</div> <div>FOR THE</div> <div>BRONX VALLEY SANITARY SEWER DISTRICT</div> <div>LOCATED IN THE TOWN OF GREENBURGH</div> <div>WESTCHESTER COUNTY, NEW YORK</div> </div>	<div> <div>TOP FLOOR PLAN & SECTION</div> <div>SHEET HVP-11</div> <div>OF 12 SHEETS</div> </div>	<div> <div>FEBRUARY 1969,</div> </div>
						<div> <div>NO.</div> <div>LOCATION</div> <div>DATE</div> <div>BY</div> <div>CKD.</div> </div>	<div> <div>NO.</div> <div>LOCATION</div> <div>DATE</div> <div>BY</div> <div>CKD.</div> </div>	<div> <div>NO.</div> <div>LOCATION</div> <div>DATE</div> <div>BY</div> <div>CKD.</div> </div>	<div> <div>NO.</div> <div>LOCATION</div> <div>DATE</div> <div>BY</div> <div>CKD.</div> </div>

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PUMP STATION REHABILITATION PROGRAM

SPRAIN PUMP STATION
GREENBURGH, NEW YORK

CONTRACT NO. 96-572-GC, HV, E
PROJECT NO. 96-572

LIST OF DRAWINGS

DEW. DRAWING NO.

SHEET NO.

TITLE

CONTRACT NO. 96-572-GC

SPRAIN PUMP STATION

T-1 TITLE SHEET

A-1 FLOOR PLANS, ELEVATIONS AND DETAILS

M-1 SITE PLAN AND LEGEND

M-2 PART SITE PLAN - TEMPORARY PIPING PLAN

M-3 BASEMENT & MIDDLE FLOOR PLAN - DEMOLITION

M-4 SECTIONS - DEMOLITION

M-5 BASEMENT & MIDDLE FLOOR PLAN

M-6 TOP FLOOR PLAN AND DETAIL

M-7 SECTIONS

M-8 MANHOLE DETAILS AND BUBBLER DETAIL

CONTRACT NO. 96-572-HV

SPRAIN PUMP STATION

H-1 BASEMENT & MIDDLE FLOOR PLAN - DEMOLITION

H-2 TOP FLOOR PLAN - DEMOLITION

H-3 SECTIONS - DEMOLITION

H-4 BASEMENT & MIDDLE FLOOR PLAN

H-5 TOP FLOOR PLAN

H-6 SECTION AND SCHEDULES

CONTRACT NO. 96-572-E

SPRAIN PUMP STATION

E-1 SITE PLAN, LEGEND AND ELEVATION

E-2 BASEMENT AND MIDDLE FLOOR PLANS - DEMOLITION AND PHASING SCHEDULE

E-3 MAIN FLOOR PLAN - DEMOLITION

E-4 BASEMENT AND MIDDLE FLOOR PLANS - POWER

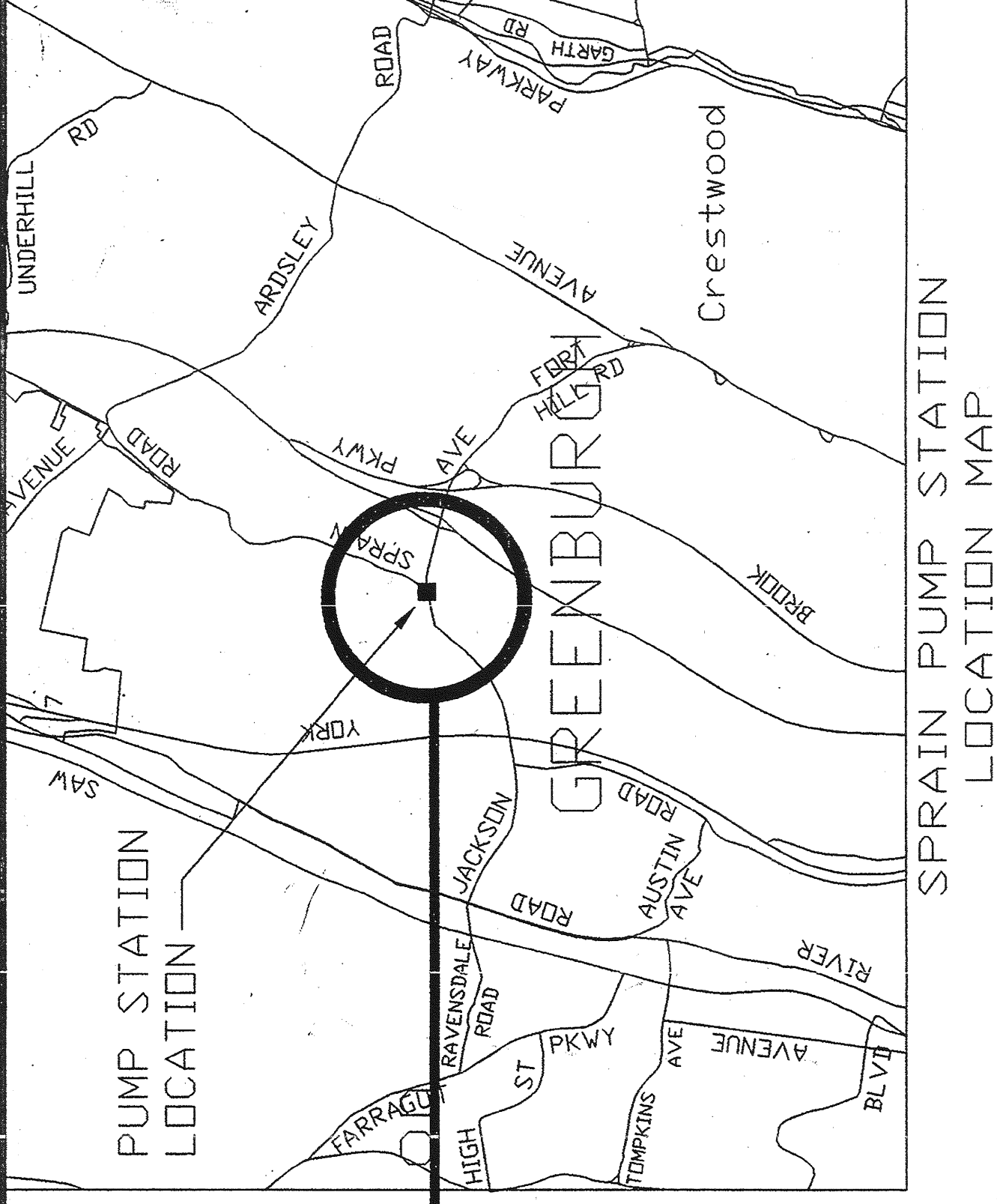
E-5 MAIN FLOOR PLAN - POWER

E-6 BASEMENT AND MIDDLE FLOOR PLANS - LIGHTING, FIXTURE SCHEDULE AND LIGHTING SINGLE LINE DIAGRAM

E-7 MAIN FLOOR PLAN - LIGHTING AND DETAIL

E-8 POWER SINGLE LINE DIAGRAM AND PANEL SCHEDULE

E-9 SINGLE LINE DIAGRAMS AND DETAIL



LYNCH
ENGINEERING, P.C.
449 - 450 MANTLE ROAD
PLERASANTVILLE, NY 10570

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PROVIDED UNDER SECTION 7209 SUBDIVISION 2
OF THE NEW YORK STATE EDUCATION LAW.

DRAWING NO.
T-1

NUMBER	DATE	BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT-CHANGES AS NOTED
☒ AS BUILT-NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE
DATE
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

IN CHARGE OF DAB/J'OC
MADE BY LMS/CC/REF/DJ
CHECKED BY LE

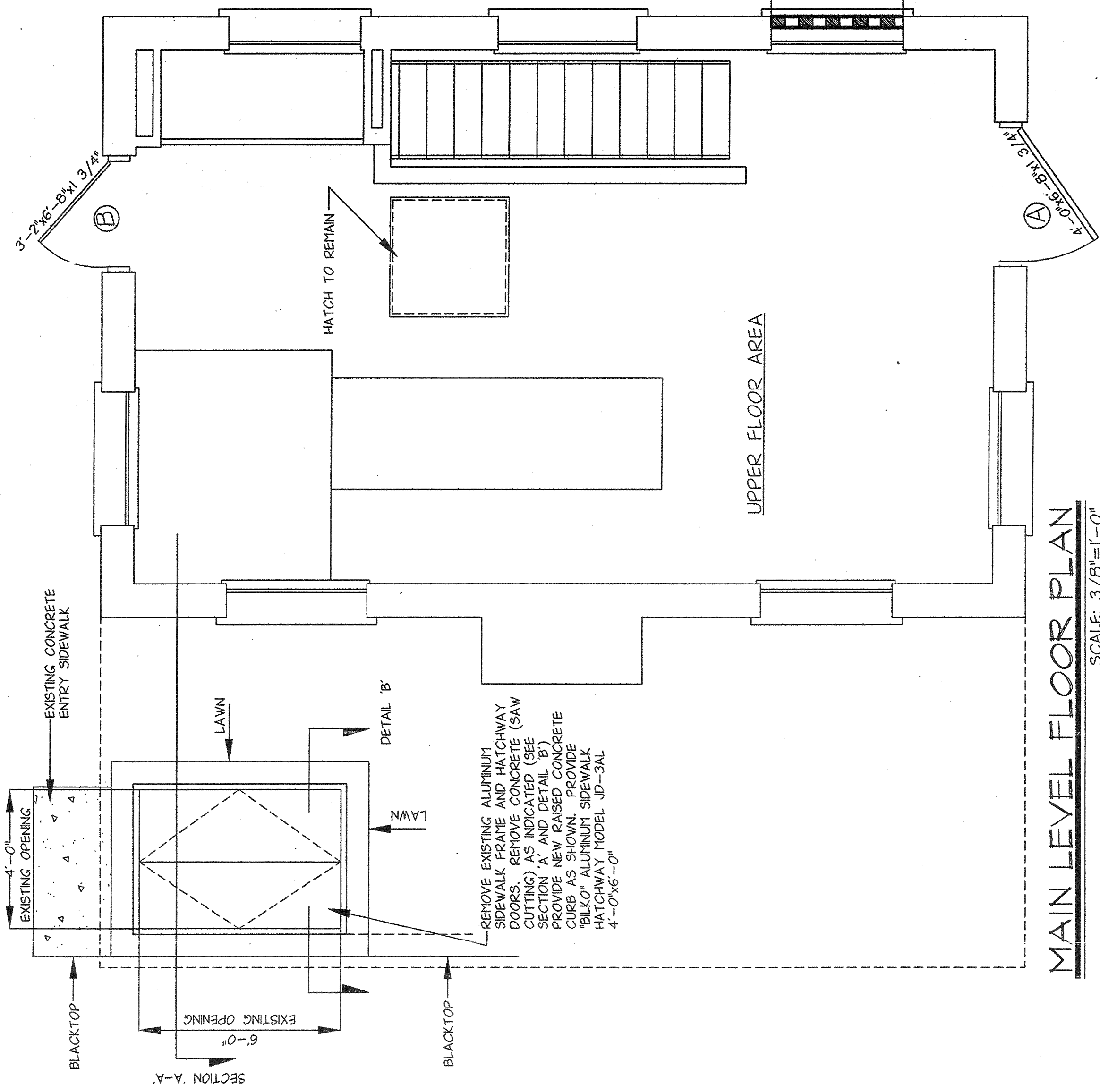
Hugh J. Greechan
RECOMMENDED FOR CONSTRUCTION
DATE 6/19/97
HUGH J. GREECHAN, P.E.
DIRECTOR-DESIGN COORDINATION
DEPARTMENT OF PUBLIC WORKS

Ralph L. Butler
RECOMMENDED FOR CONSTRUCTION
DATE 6/19/97
RALPH L. BUTLER, P.E.
FIRST DEPUTY COMMISSIONER
DEPARTMENT OF PUBLIC WORKS

Anthony P. Trelevicz
APPROVED FOR CONSTRUCTION
DATE 6/16/97
ANTHONY P. TRELEVICZ, P.E.
COMMISSIONER
DEPARTMENT OF ENVIRONMENTAL
FACILITIES

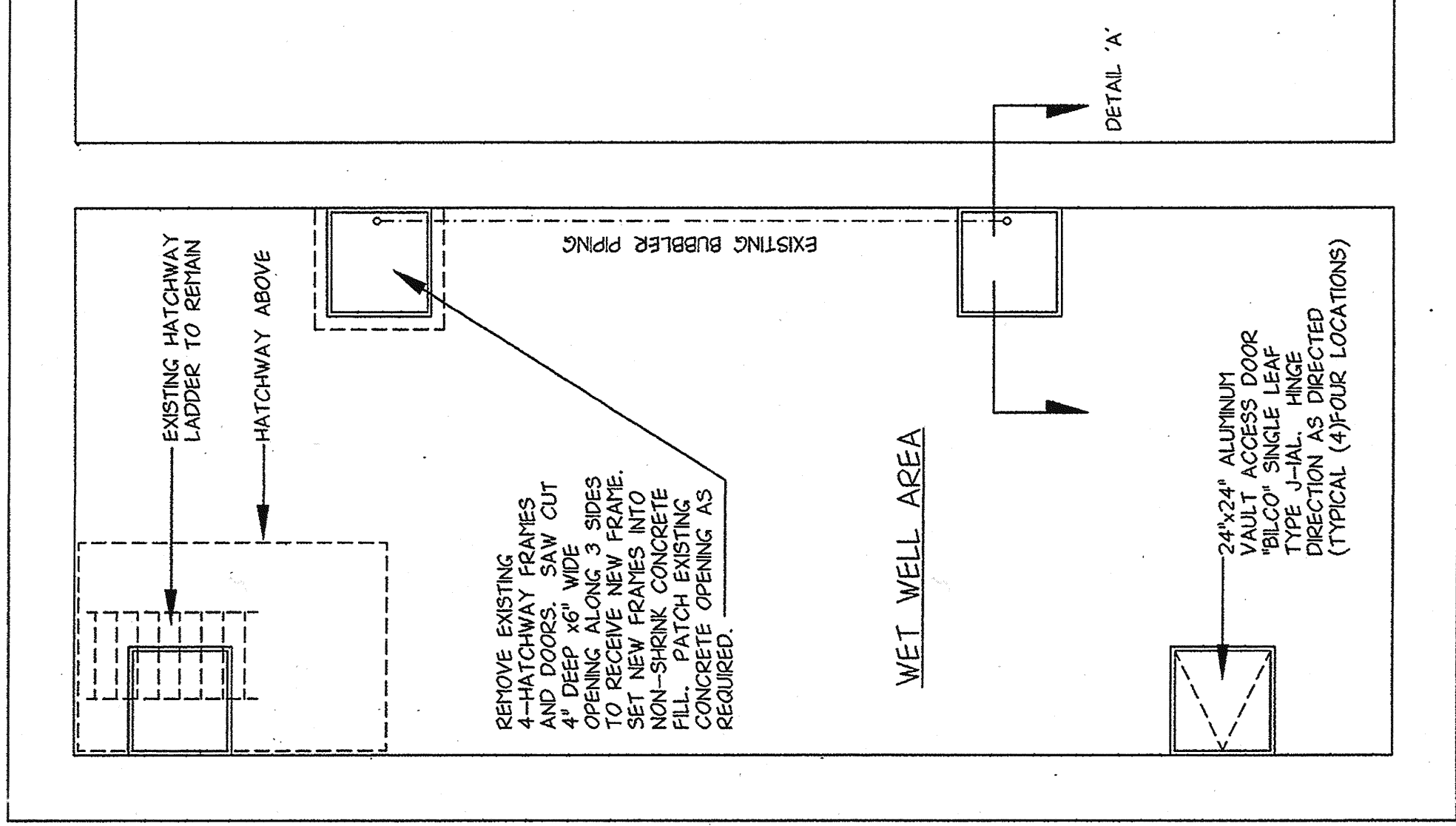
Anthony M. Landi
APPROVED FOR CONSTRUCTION
DATE 6/19/97
ANTHONY M. LANDI, P.E.
COMMISSIONER
DEPARTMENT OF PUBLIC WORKS

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
TITLE SHEET
PUMP STATION REHABILITATION PROGRAM
SPRAIN PUMP STATION
GREENBURGH, NEW YORK
PROJECT NO. 96-572
CONTRACT NO. 96-572
SHEET NO. 1 OF 25
SCALE: NO SCALE
DATE: 5/9/97
DRAWING NO. 202-02-T-1
REV. 0



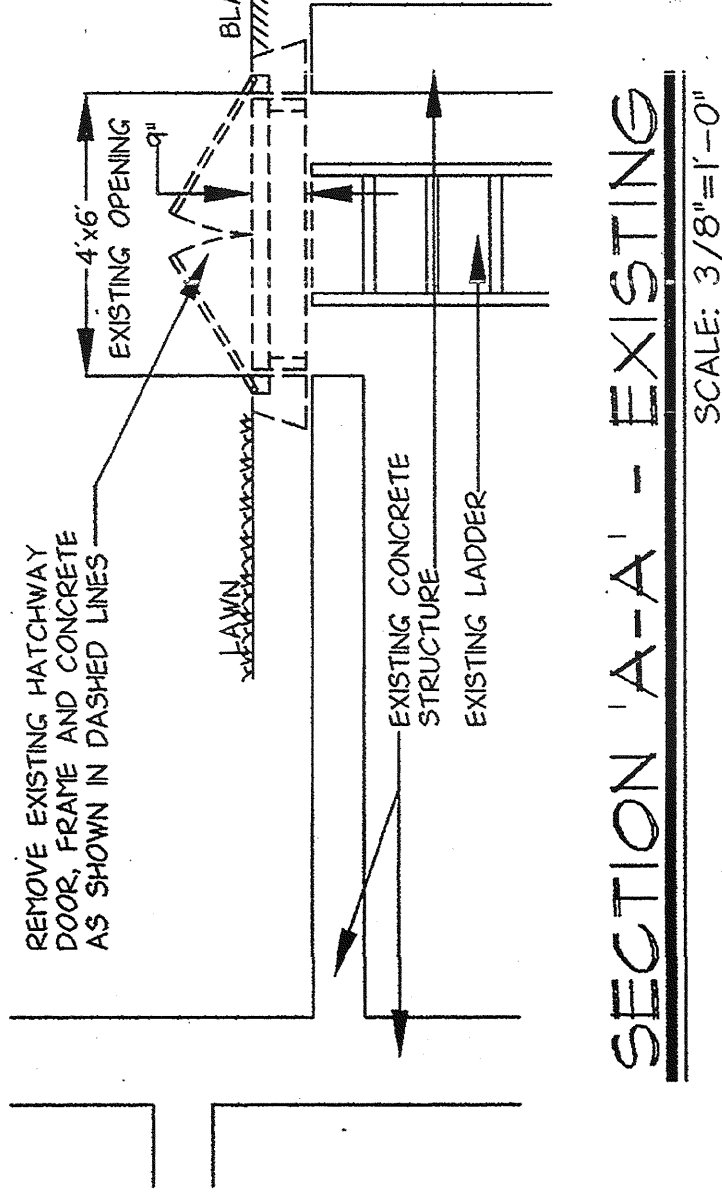
MAIN LEVEL FLOOR PLAN

SCALE: 3/8"=1'-0"



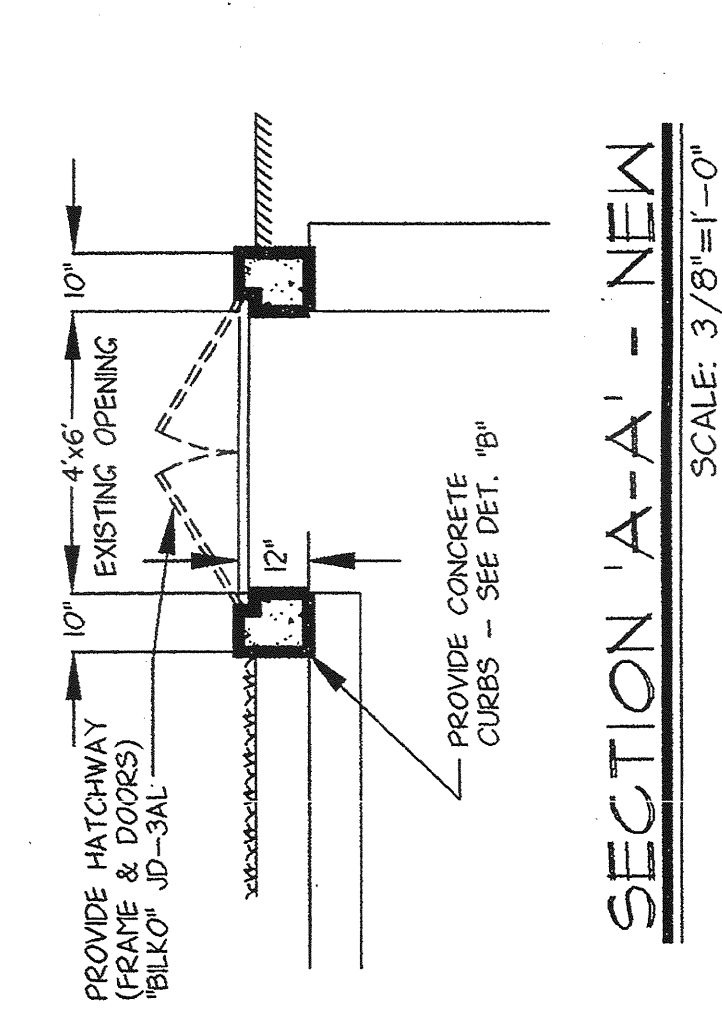
MIDDLE LEVEL PART FLOOR PLAN

SCALE: 3/8"=1'-0"



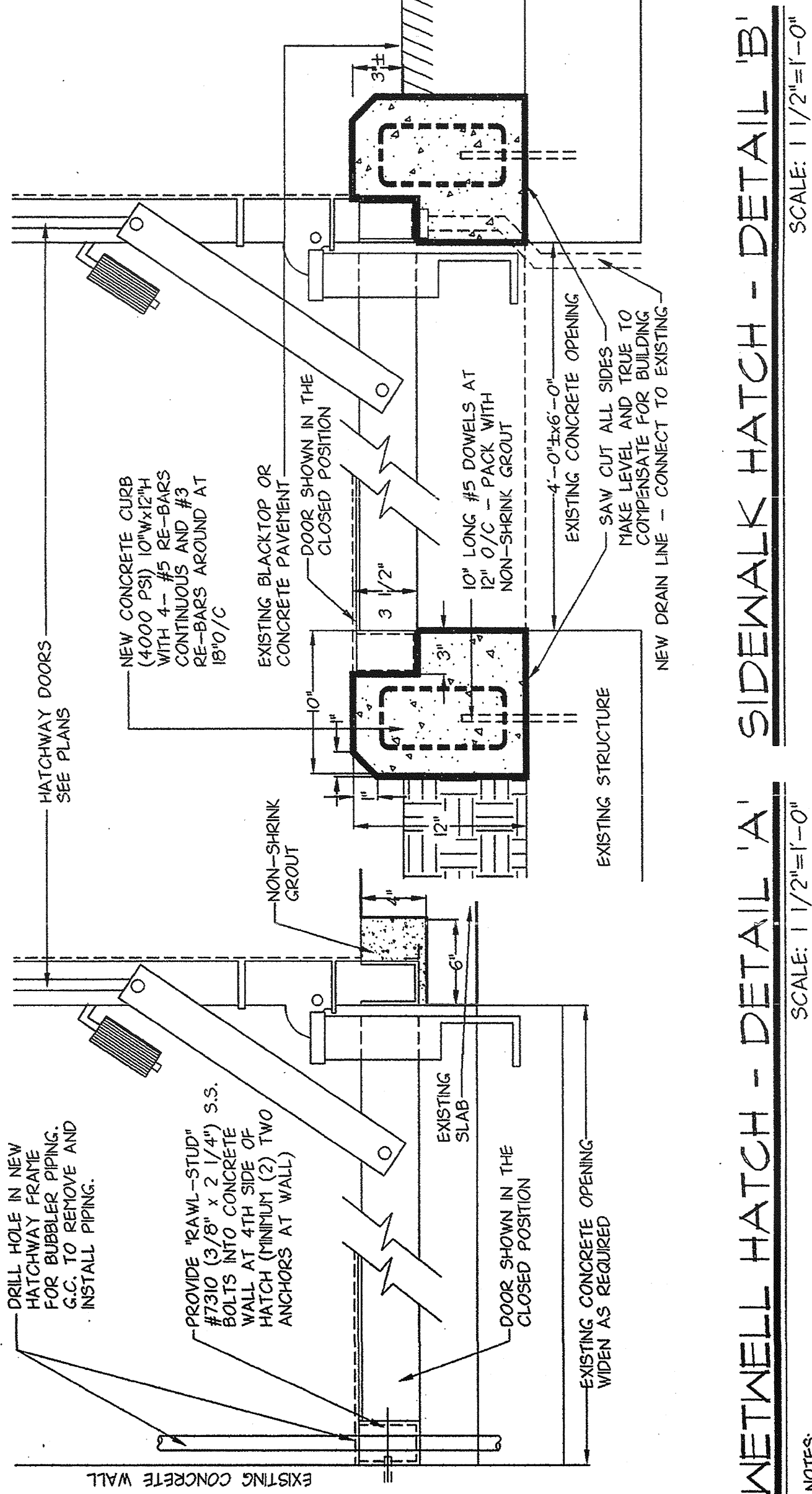
SECTION 'A-A' - EXISTING

SCALE: 3/8"=1'-0"



SECTION 'A-A' - NEW

SCALE: 3/8"=1'-0"



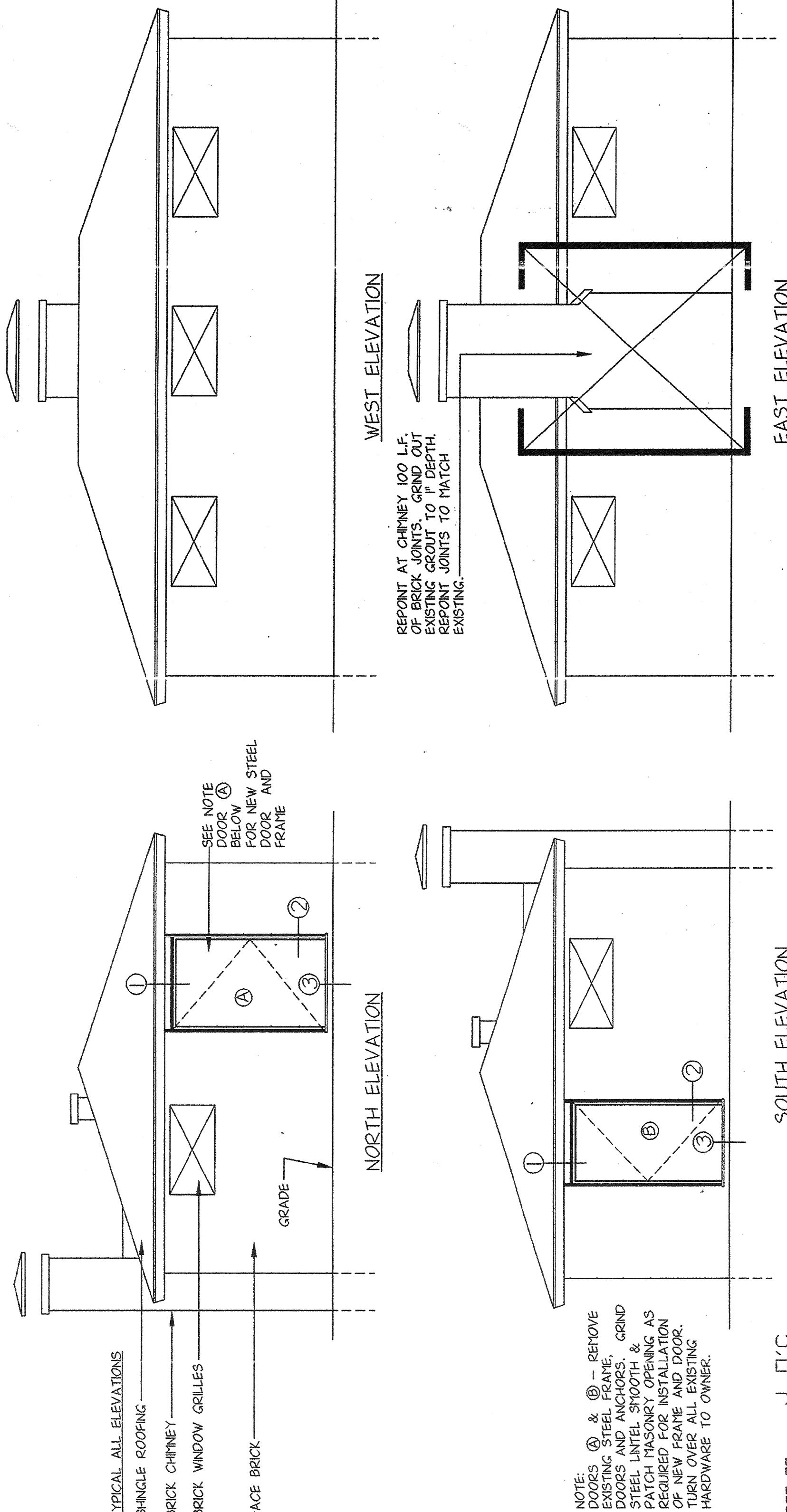
WETWELL HATCH - DETAIL 'A'

SCALE: 1/2"=1'-0"

WETWELL HATCH - DETAIL 'B'

SCALE: 1/2"=1'-0"

NOTES:
1- C.C. TO PROVIDE CUTS IN CONCRETE FLOORS FOR ALL TRADES - COORDINATE WITH OTHERS.
2- ALL WORK NEW UNLESS OTHERWISE NOTED.

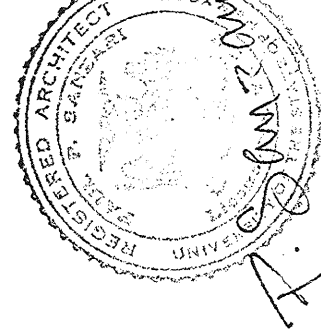


EXTERIOR ELEVATIONS

SCALE: 1/4"=1'-0"

NOTE:
DOORS ① & ② - REMOVE EXISTING STEEL FRAME, GRIND DOOR JOINTS, PATCH MASONRY, & PATCH MASONRY OPENING AS REQUIRED FOR INSTALLATION OF NEW FRAME AND DOOR. TURN OVER ALL EXISTING HARDWARE TO OWNER.

IN CHARGE OF J. O'C
MADE BY REF
CHECKED BY L.E.



PAUL P. SANZARI ASSOCIATES
Architecture/Planning/Interiors



LYNCH ENGINEERING, P.C.
448 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

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DRAWING NO. 9630
A-1

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION
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☒ AS BUILT-NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE
DATE

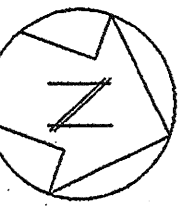
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

FLOOR PLANS, ELEVATIONS AND DETAILS
PUMP STATION REHABILITATION PROGRAM
SPRAIN PUMP STATION
GREENBURGH, NEW YORK
SCALE: AS NOTED
DATE: 05/09/97
DRAWING NO. 202-02-G-2
SHEET NO. 2 OF 25
CONTRACT 96-572-GC
PROJECT NUMBER 96-572

1. LOCATE AND STAKE OUT UNDERGROUND UTILITIES PRIOR TO EXCAVATION (CODE 53).
2. IT IS THIS CONTRACTORS RESPONSIBILITY TO REPAIR OR REPLACE ANY DAMAGED UTILITIES.
3. ACP WASTE PIPE TO REMAIN. DO NOT EXCAVATE THESE PIPES.
4. GENERAL CONTRACTOR TO HIRE SURVEYOR TO DEMARCATHE PROPERTY LINE.
5. GENERAL CONTRACTOR TO REPAIR, REGRADE AND SEED PROPERTY DAMAGED DURING THE CONTRACT.
6. ALL EXCAVATION IS TO BE LIMITED BY THE PROPERTY LINE.
7. BACKFILL WITH CLEAN DRY BACKFILL MATERIAL.
8. ALL OPEN EXCAVATIONS TO BE PROPERLY FENCED AND BARRICADED.
9. ROADS AND ENTRANCE TO BE CLEAR OF ANY EQUIPMENT AND MAINTAINED AND CLEANED DAILY.
10. DUE TO HIGH WATER TABLE BACKFILL WITH DRY SUITABLE MATERIAL.
11. GENERAL CONTRACTOR TO DIG TEST PITS TO LOCATE EXISTING UTILITIES.
12. GENERAL CONTRACTOR SHALL PROVIDE ALL PENETRATIONS THROUGH SLAB FOR H.V. CONTRACTOR. H.V. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND DIMENSIONS TO GENERAL CONTRACTOR.
13. NO SHUTDOWNS WILL BE PERMITTED ON A MONDAY OR FRIDAY.
14. ALL WORK WHICH EFFECTS THE OPERATION OF THE FACILITY SHALL BE PERFORMED BETWEEN TUESDAY THROUGH THURSDAY.
15. NO OVERTIME WILL BE PERMITTED UNLESS CONTRACTOR PAYS ENGINEERING CHARGES.

NOTE: ALL WORK IS NEW UNLESS OTHERWISE NOTED.



ENTRANCE ROAD TO
ST. ANDREWS GOLF CLUB





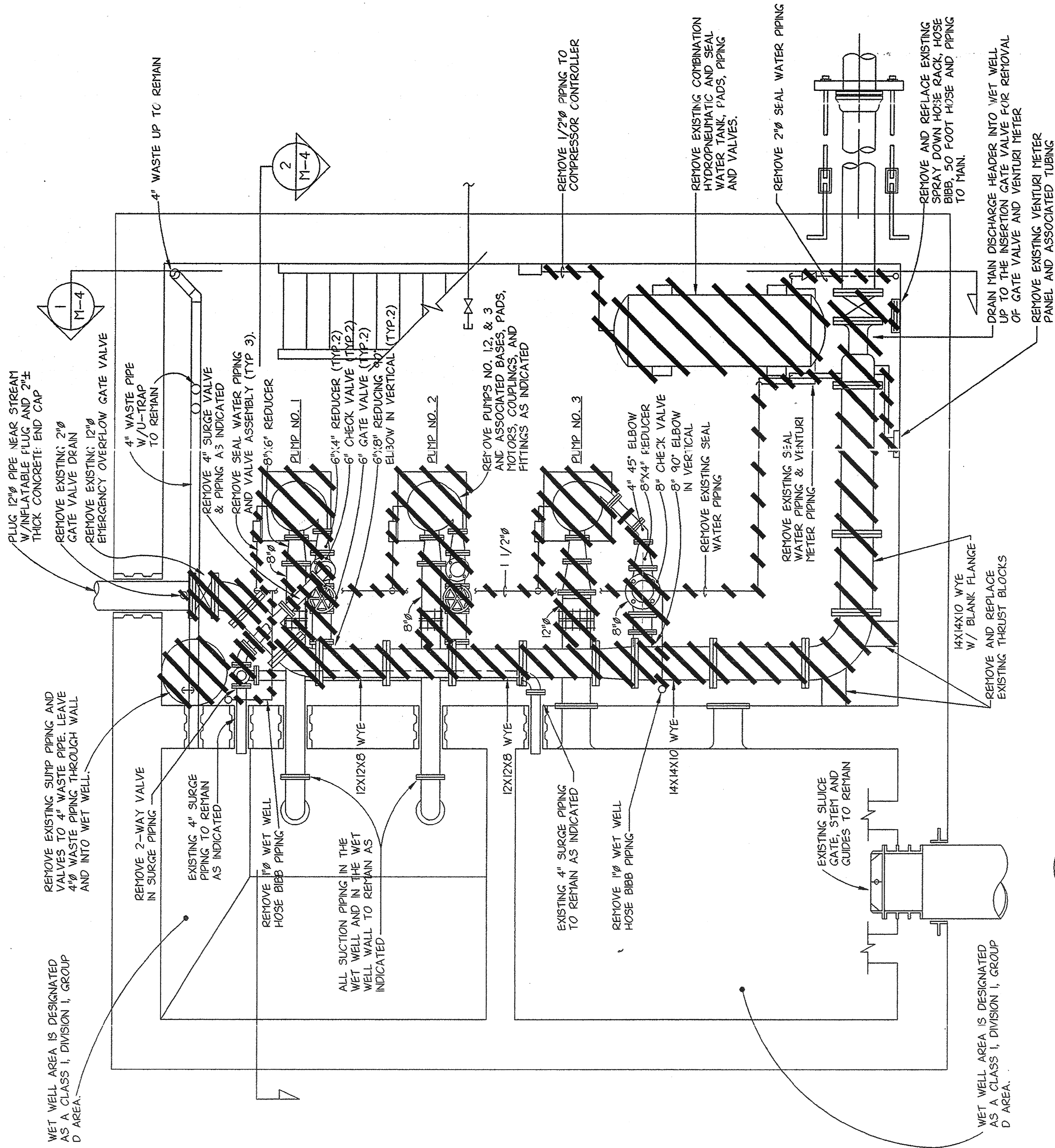
SCALES HORIZ. 1" = 10'
VERT. 1" = 10'

INSERTION AND BYPASS VALVE DETAIL

SCALE: 1/2" = 1'-0"

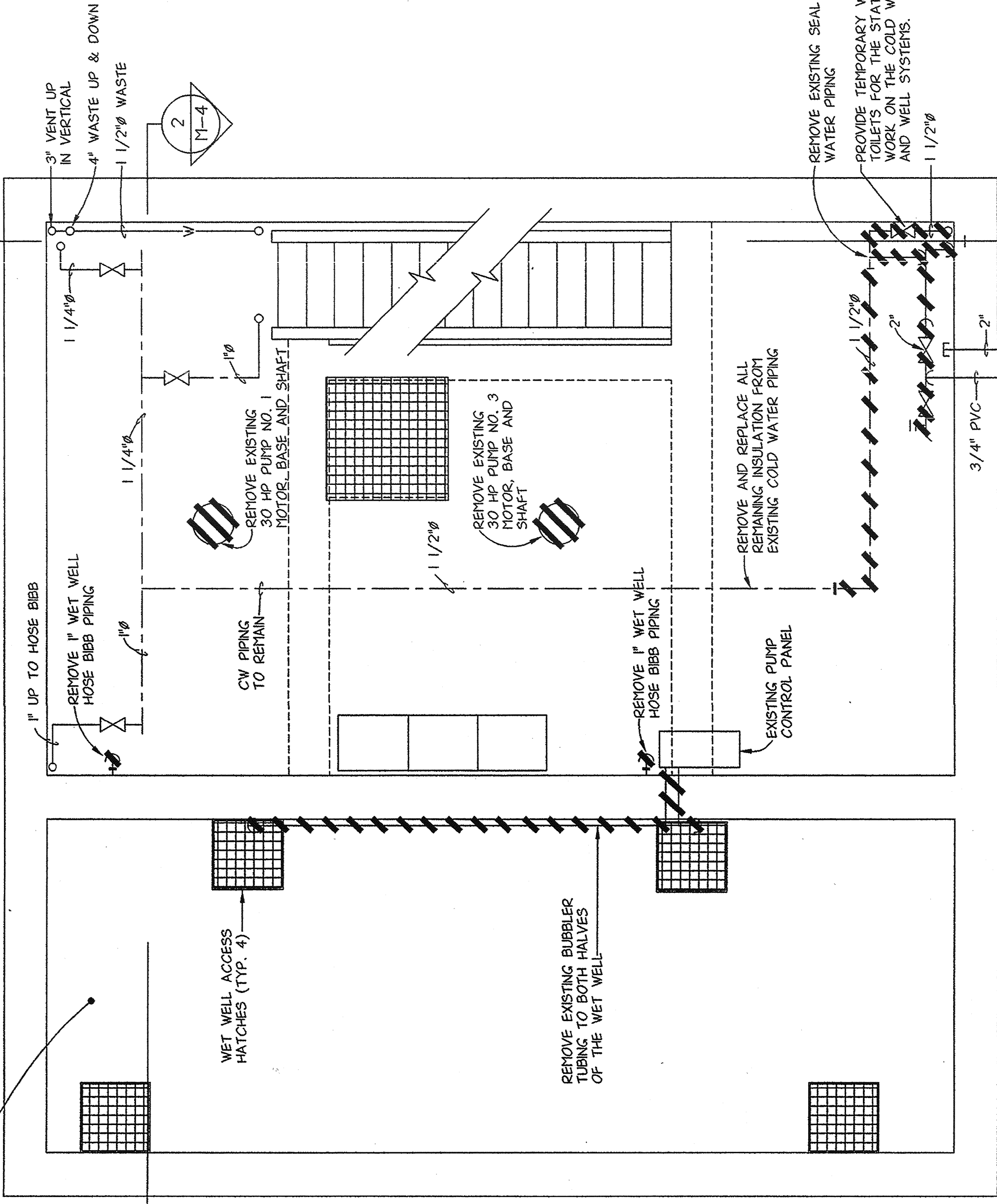
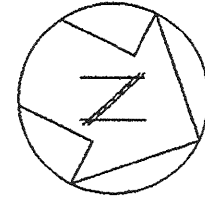
SCALE: 1/2" = 1'-0"

				LYNCH ENGINEERING, P.C. 448 - 450 MANTVILLE ROAD PLEASANTVILLE, NY 10570	
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.		DRAWING NO. 9630		M-1	
REVISION NUMBER		DATE	MADE BY	REVISION	
1		01-27-99	LMS	AS-BUILTS	
2		12-26	APP'D BY		
RECORD DRAWING CERTIFICATION					
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CONTRACTOR		PROJECT COORDINATOR			
NAME _____		NAME _____			
SIGNATURE _____		SIGNATURE _____			
TITLE _____		TITLE _____			
DATE _____		DATE _____			
WESTCHESTER COUNTY, NEW YORK		PROJECT NUMBER		96-572	
DEPARTMENT OF PUBLIC WORKS		CONTRACT		96-572-GC	
DIVISION OF ENGINEERING		SHEET NO.		3 OF 25	
SITE PLAN AND LEGEND		SCALE:		AS NOTED	
PUMP STATION REHABILITATION PROGRAM		DATE:		05/09/97	
SPRAIN PUMP STATION		DRAWING NO.		9630	
GREENBURGH, NEW YORK		REV NO.		202-02-G-0	



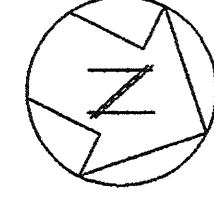
MIDDLE FLOOR PLAN - DEMOLITION

SCALE: 3/8"= 1'-0"



MIDDLE FLOOR PLAN - DEMOLITION

SCALE: 3/8"= 1'-0"



GENERAL NOTE
1) BASEMENT PLAN INDICATES REMOVAL OF ALL PIPING
IN THE DRY WELL UP TO THE LAST FITTING BEFORE
THE PIPE PENETRATES THE DRY WELL WALL UNLESS
OTHERWISE NOTED.



LYNCH
ENGINEERING, P.C.
448 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

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APPROVED BY THE BOARD OF SURVEYORS
OF THE NEW YORK STATE EDUCATION LAW.

DRAWING NO.
9630

M-3

RECORD DRAWING CERTIFICATION

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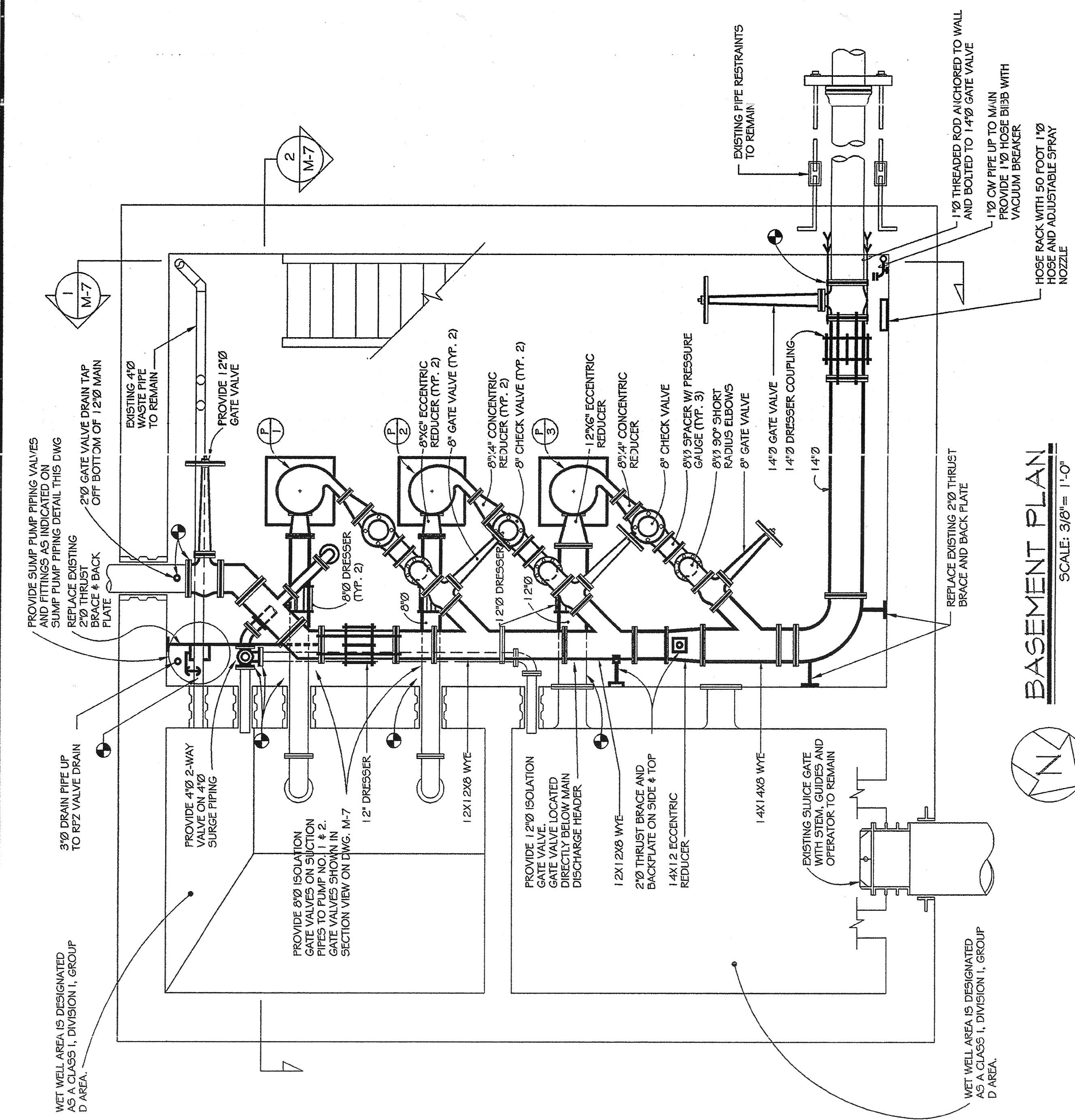
CONTRACTOR
NAME
SIGNATURE
TITLE
DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

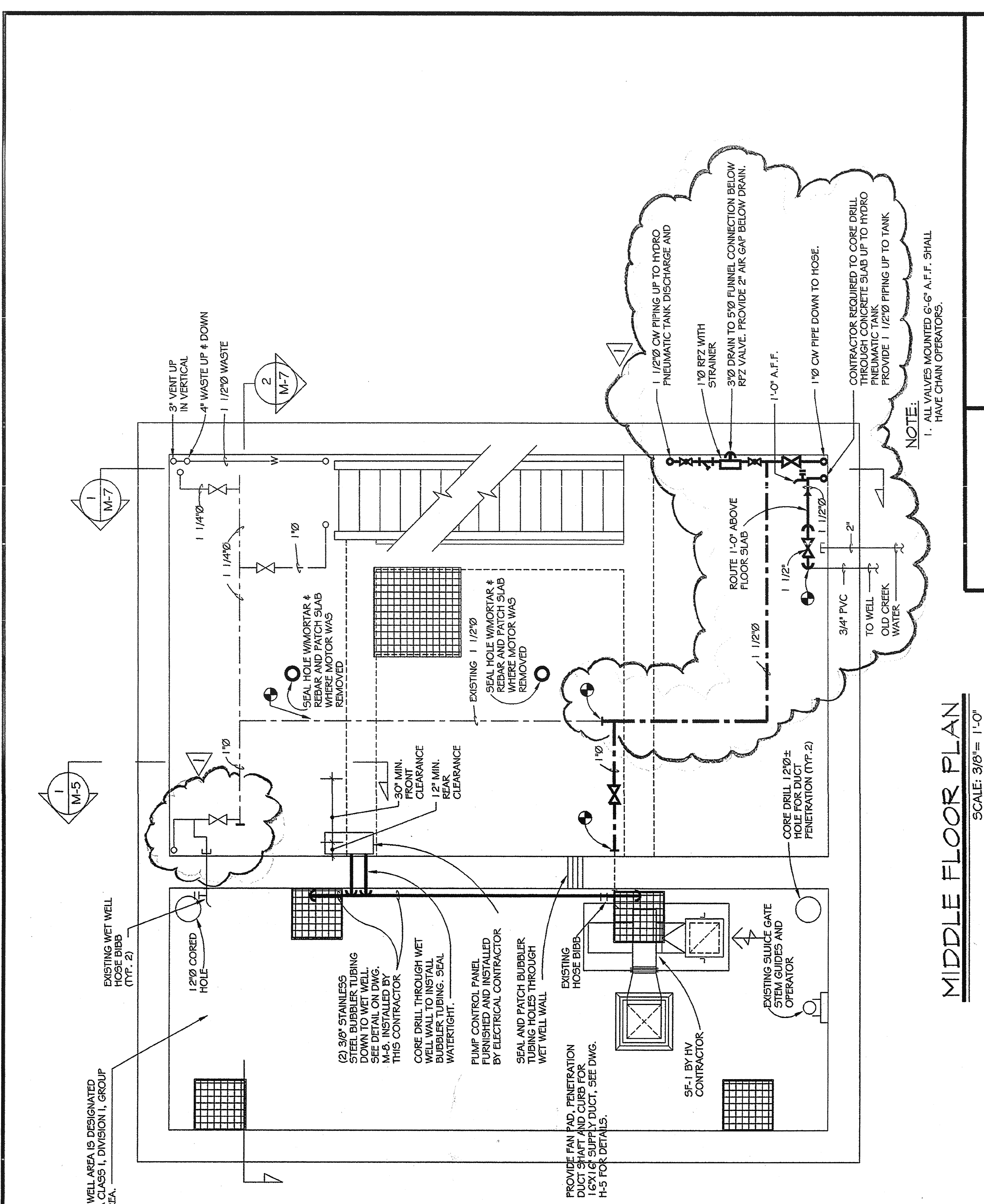
PROJECT NUMBER 96-572
CONTRACT NUMBER 96-572-GC
SHEET NO. 5 OF 25
SCALE: AS NOTED
DATE: 05/09/97
DRAWING NO. 202-02-G-5
REV. NO. 0

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
BASEMENT & MIDDLE FLOOR PLAN - DEMOLITION
PUMP STATION REHABILITATION PROGRAM
SPRAIN PUMP STATION
GREENBURGH, NEW YORK

IN CHARGE OF DAB
MADE BY LMS
CHECKED BY L.E.



BASEMENT PLAN
SCALE: 3/8"= 1'-0"



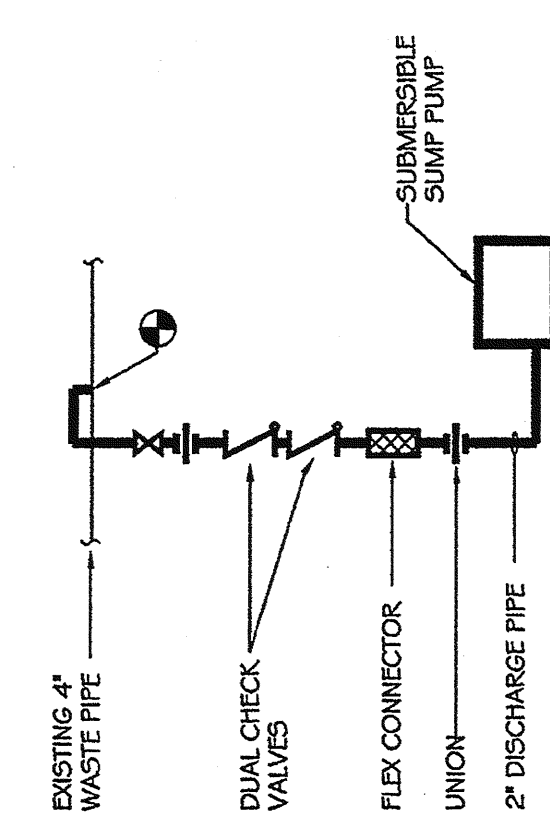
MIDDLE FLOOR PLAN
SCALE: 3/8"= 1'-0"

LYNCH
ENGINEERING, P.C.
448 - 450 HAVANTILLE ROAD
PLEASANTVILLE, NY 10570

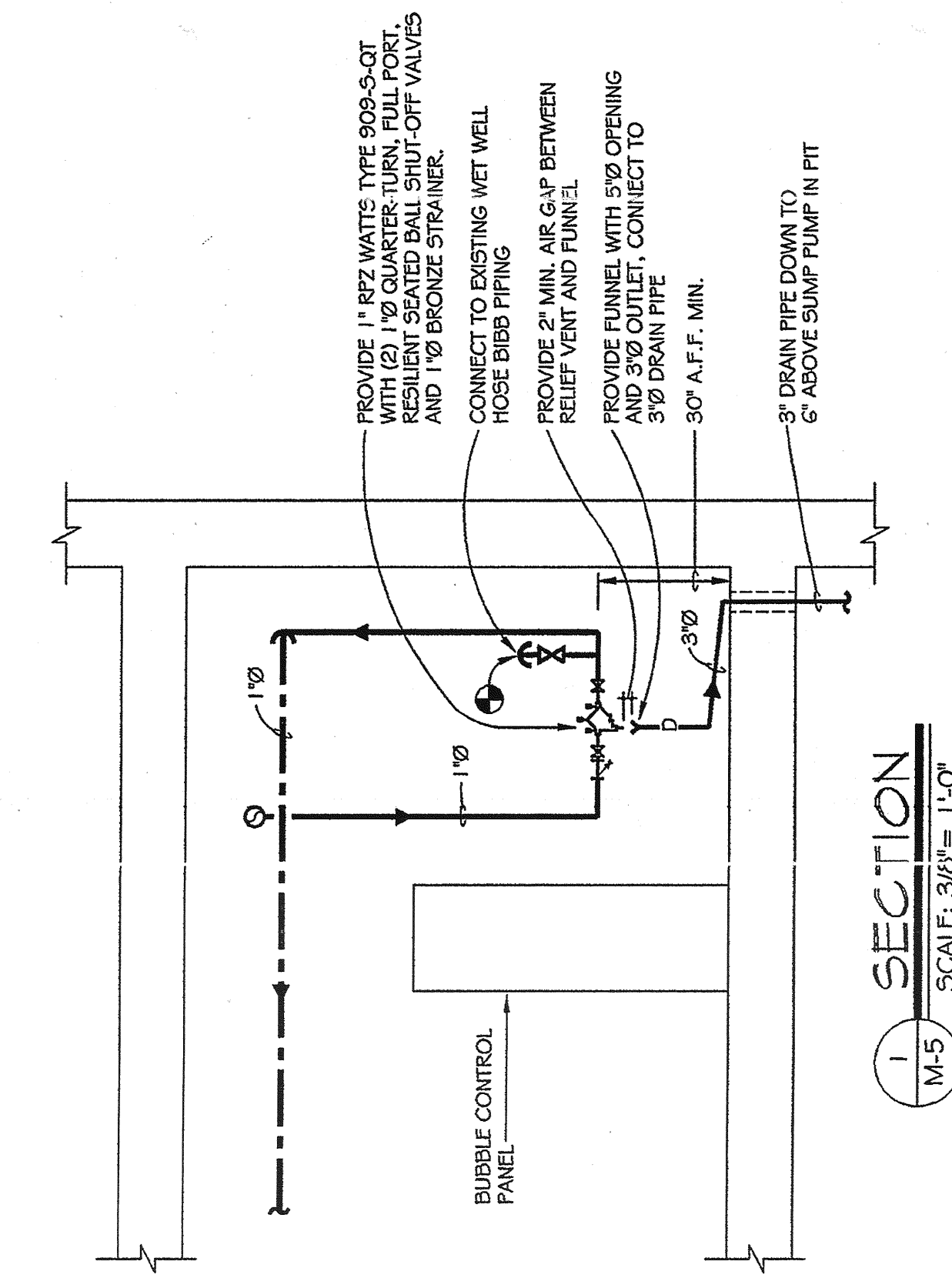
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

DRAWING NO. **M-5**
9630

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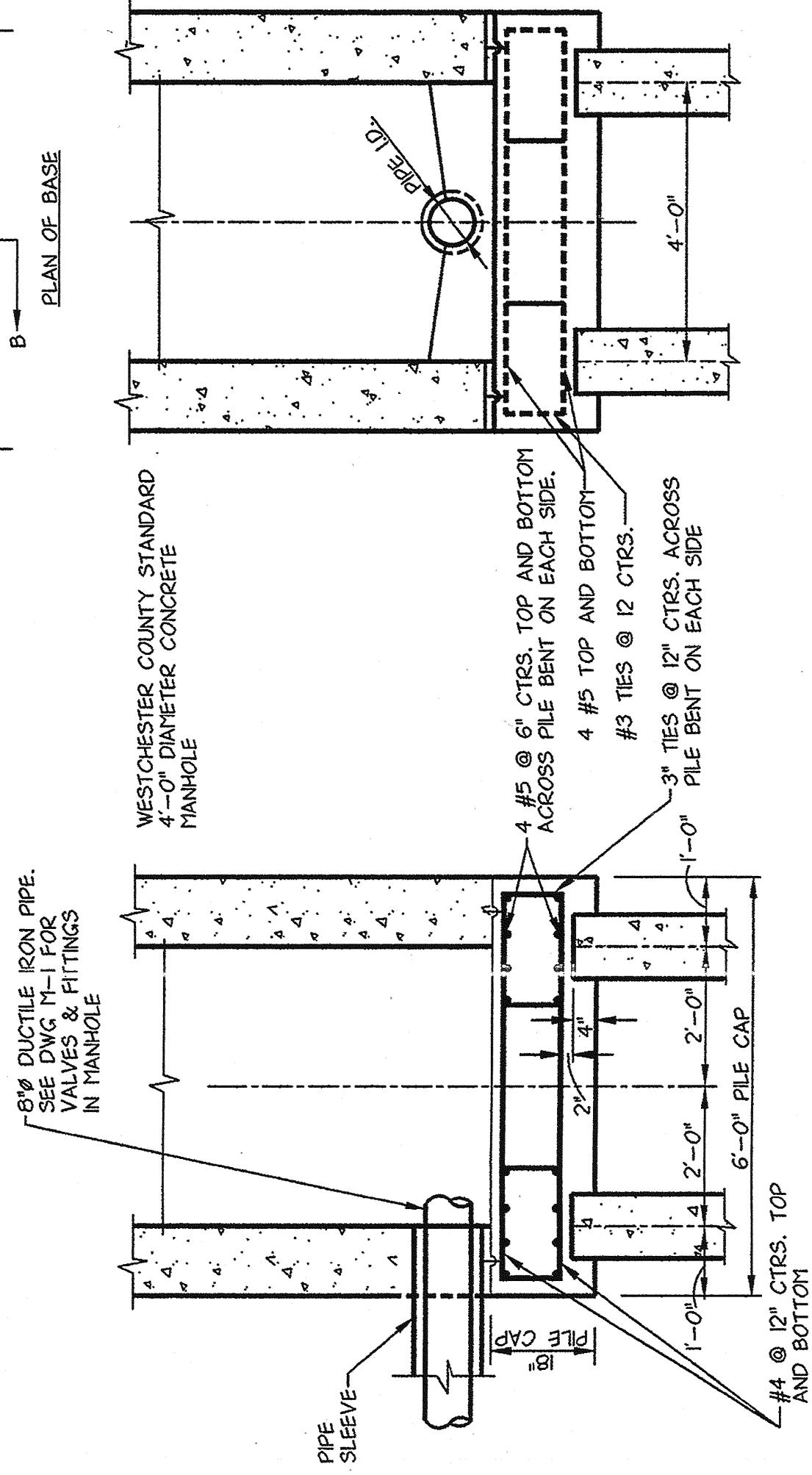
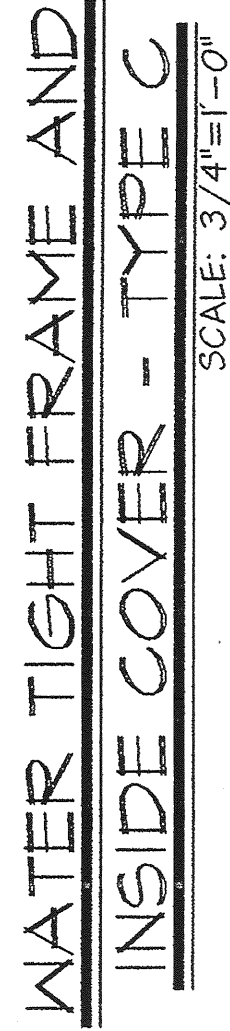
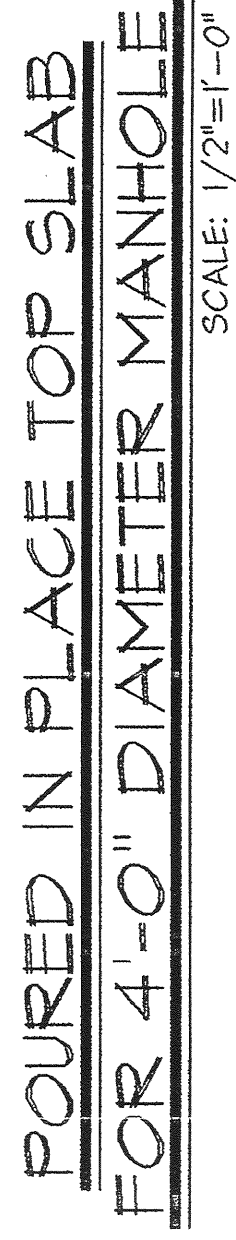
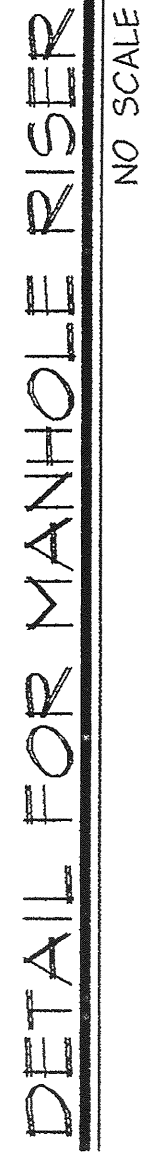


SUMP PUMP CONNECTION DETAIL
NO SCALE

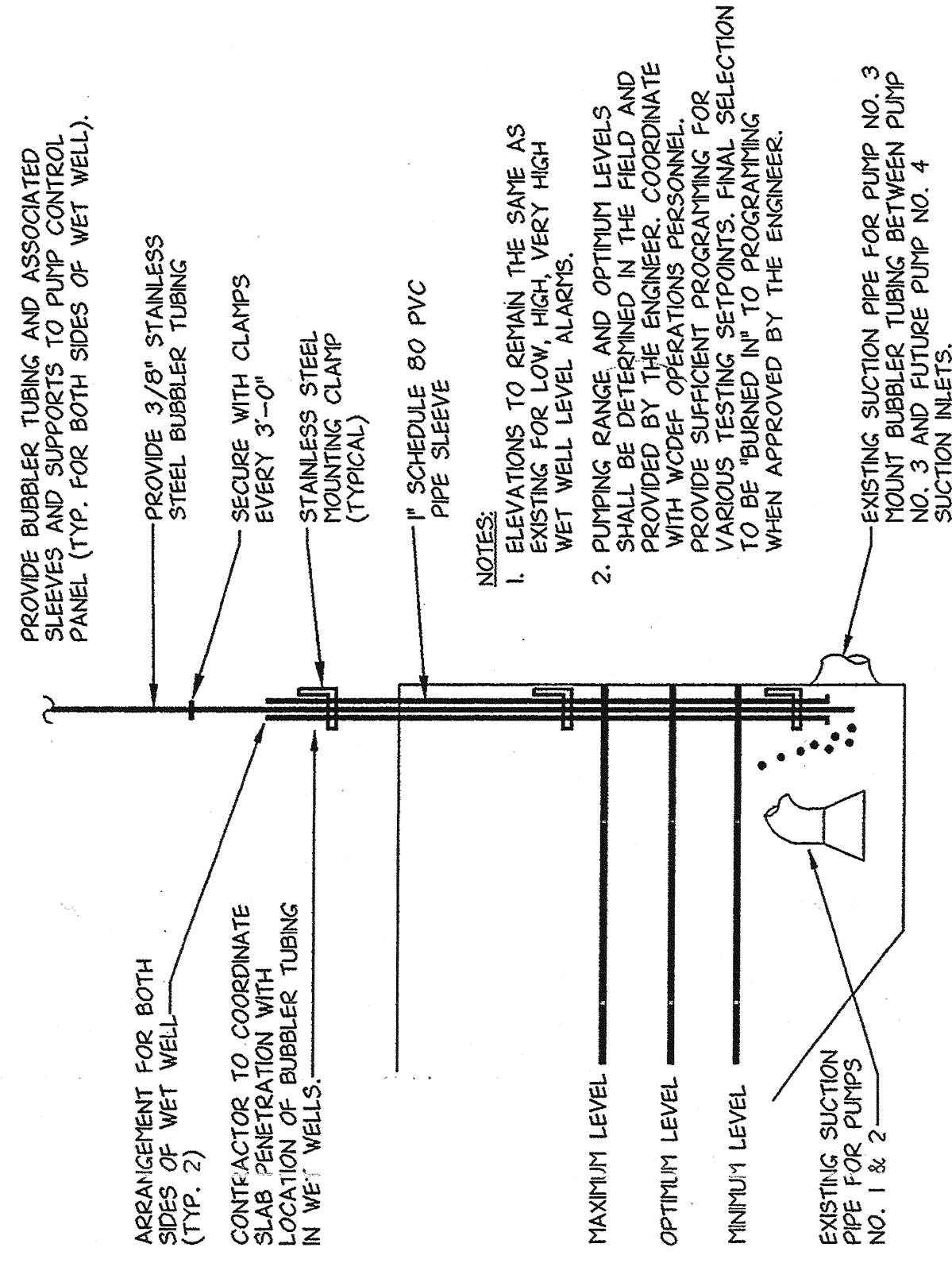


SECTION
SCALE: 3/8"= 1'-0"

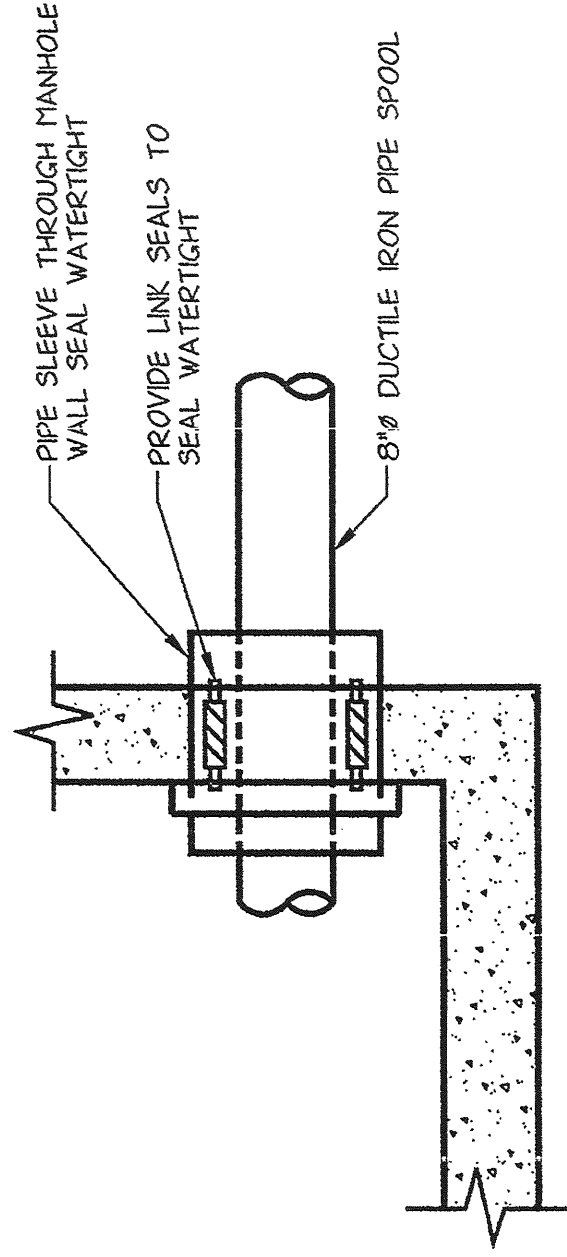
IN CHARGE OF: **DA5**
MADE BY: **LMS**
CHECKED BY: **L.E.**



PILE FOUNDATION AT MANHOLES



PUMP CONTROL BUBBLER DETAIL



MANHOLE WALL PENETRATION DETAIL



LYNCH
ENGINEERING, P.C.
448 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

M-8

[illegible]

RECORD DRAWING CERTIFICATION

WILT-CHANGES AS NOTED

JILT-NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
------------	---------------------

NAME _____ SIGNATURE _____ TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

MANHOLE AND BUBBLER DETAILS

PUMP STATION REHABILITATION PROGRAM
SPRAIN PUMP STATION
GREENBURGH, NEW YORK


IN CHARGE OF DAB

MADE BY LMS


CHECKED BY L.E.

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING
---	NEW WORK
++++	EXISTING WORK TO BE REMOVED
⊠	SUPPLY DUCT DOWN
⊠	SUPPLY DUCT UP
⊠	RETURN DUCT DOWN
⊠	RETURN DUCT UP
⊠	90° DUCT ELBOW W/TURNING VANES
⊠	DENOTES SUPPLY FAN NO. 1
⊠	DENOTES ELECTRIC UNIT HTR NO. 1
WMS	WIRE MESH SCREEN
FOF	FUEL OIL FILL
FOV	FUEL OIL VENT
AFF	ABOVE FINISHED FLOOR
FC	FLEXIBLE CONNECTION
⊠	ON FLOOR PLAN - DENOTES SECTION CUT 1 LOCATED ON DWG. H-4
⊠	ON SECTION - DENOTES SECTION CUT 1 TAKEN FROM DWG. H-1
FS	FLOW SWITCH
T	THERMOSTAT
ER	EXHAUST REGISTER
SAR	SUPPLY AIR REGISTER

NOTE:
1. ALL WORK IS NEW UNLESS OTHERWISE NOTED.



WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
BASEMENT & MIDDLE FLOOR PLAN - DEMOLITION
PUMP STATION REHABILITATION PROGRAM
SPRINGFIELD TOWN
GREENBURGH, NEW YORK



LYNCH
ENGINEERING, P.C.
448 W. 450 MANVILLE ROAD
PLANNINGVILLE, NY 10670

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

DRAWING NO.
H-1
9630

REVISION NUMBER	DATE	MADE BY	APPD BY	REVISION

RECORD DRAWING CERTIFICATION

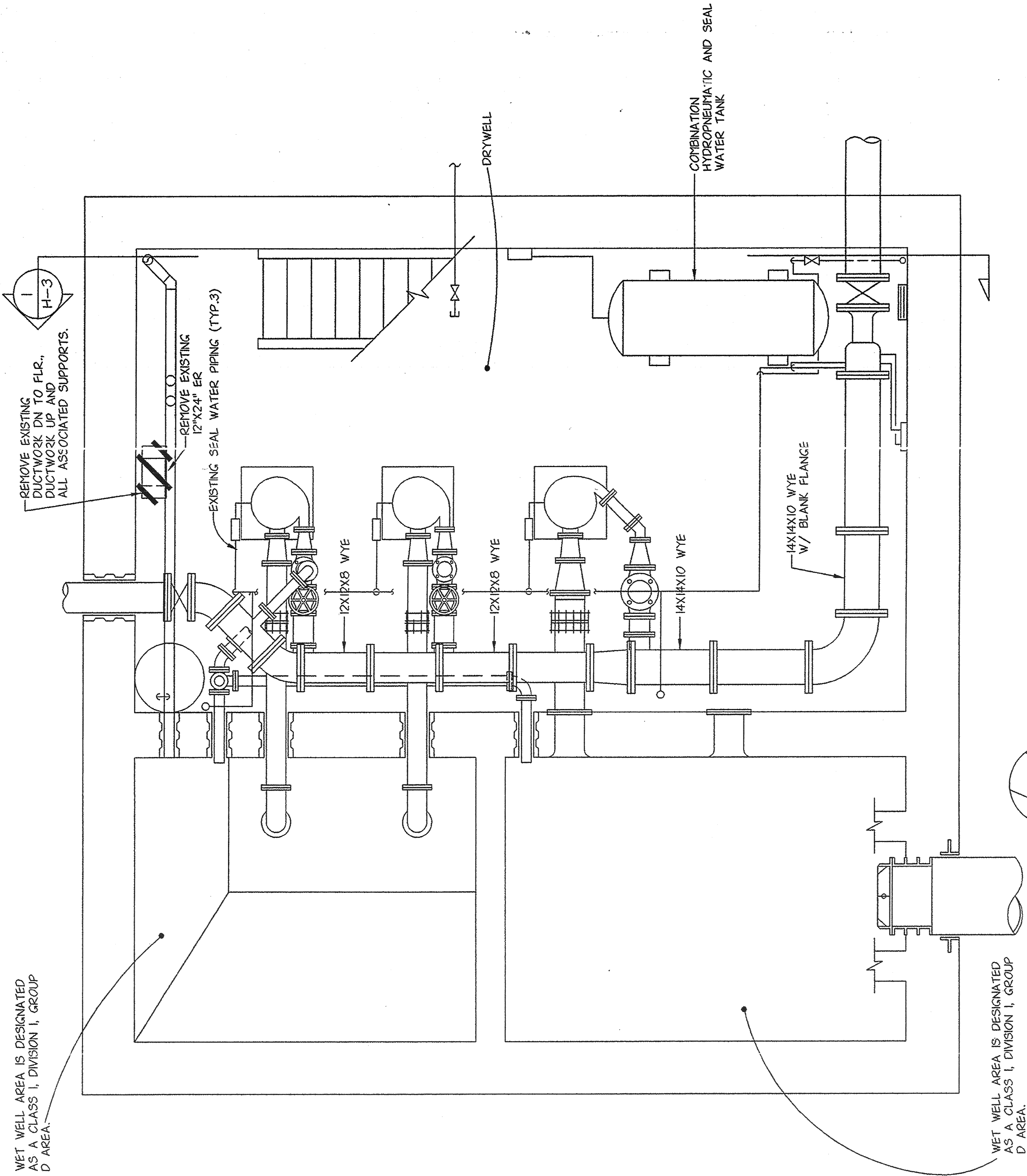
☐ AS BUILT-CHANGES AS NOTED
☒ AS BUILT-NO CHANGES

CONTRACTOR
NAME: THURGOOD & HARRISON, INC.
SIGNATURE: _____
TITLE: _____
DATE: 10/19/96

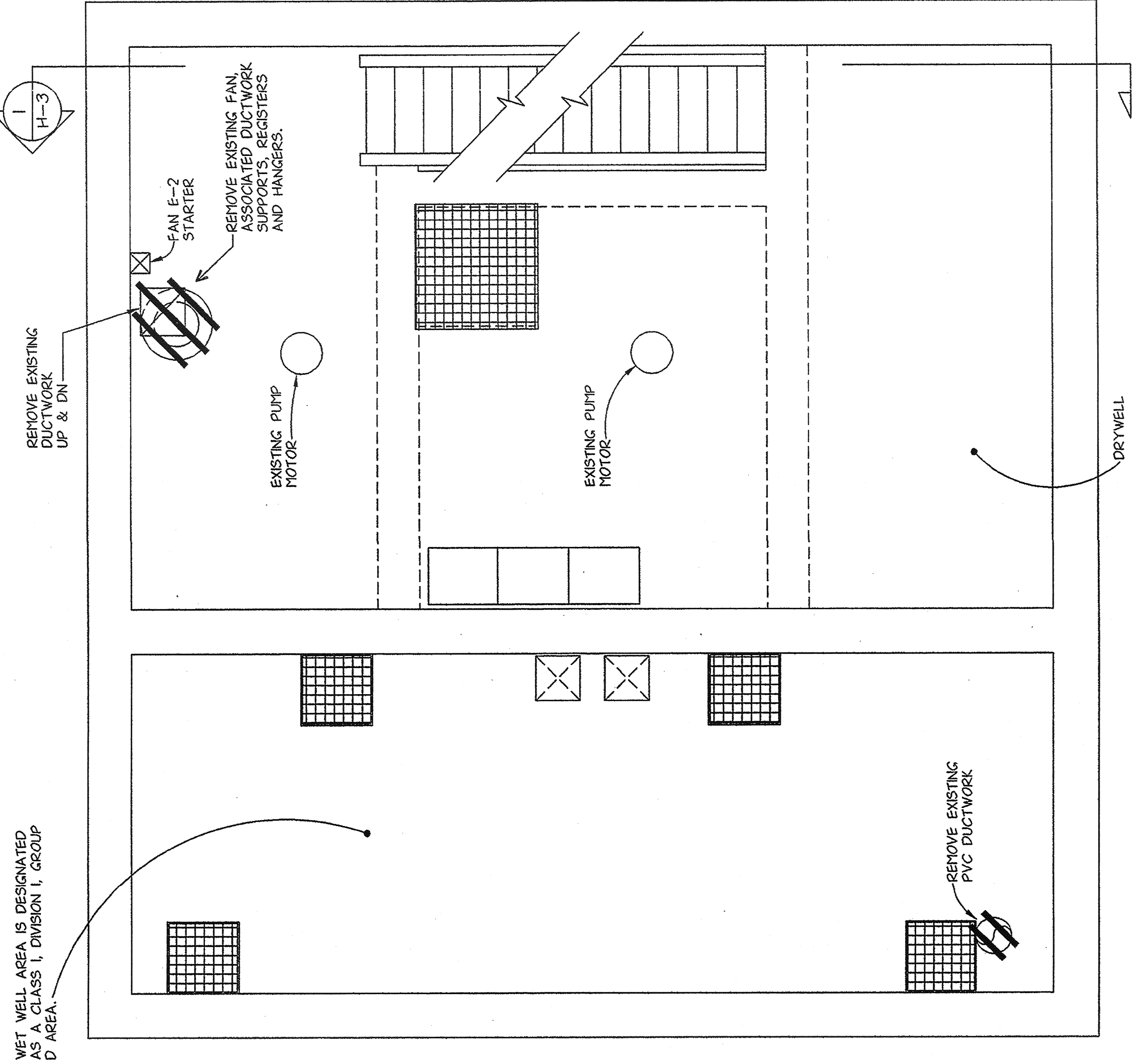
PROJECT COORDINATOR
NAME: _____
SIGNATURE: _____
TITLE: _____
DATE: _____

PROJECT NUMBER: 96-572
CONTRACT NUMBER: 96-572-HV
SHEET NO. 11 OF 25
SCALE: AS NOTED
DATE: 05/09/97
DRAWING NO.: 202-02-HV-11
REV. NO.: 0

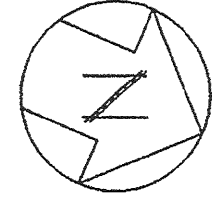
IN CHARGE OF: DAB
MADE BY: LMS
CHECKED BY: L.E.



BASEMENT PLAN - DEMOLITION
SCALE: 3/8" = 1'-0"



MIDDLE FLOOR PLAN - DEMOLITION
SCALE: 3/8" = 1'-0"



DRAWING NO. H-2
9630

[illegible]

RECORD DRAWING CERTIFICATION

- ☐ AS BUILT-CHANGES AS NOTED ☒ AS BUILT-NO CHANGES

CONTRACTOR	PROJECT COORDINATOR

NAME TURNER AND HARRISON, INC. NAME _____
SIGNATURE _____ SIGNATURE _____
TITLE _____ TITLE _____ DATE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS

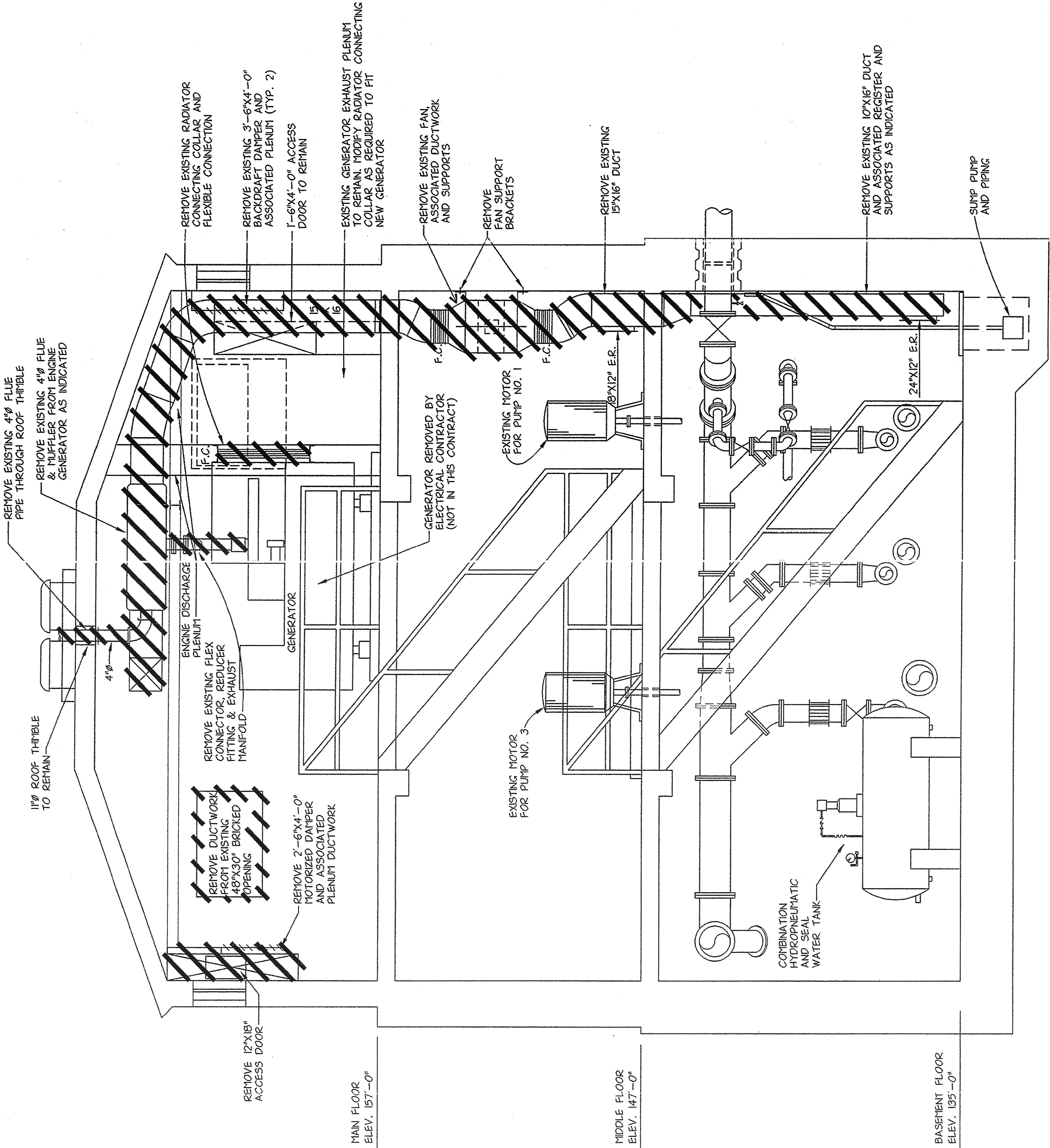
	PROJECT NUMBER	96-572
	CONTRACT NUMBER	96-572-HV
	SHEET NO.	12 OF 25

DIVISION OF ENGINEERING

MAIN FLOOR PLAN - DEMOLITION

PUMP STATION REHABILITATION PROGRAM	DATE: 05/09/97
SPRAIN PUMP STATION	DRAWING NO.
GREENBURGH, NEW YORK	202-02-HV-12
	REV NO.
	0

IN CHARGE OF DAB
MADE BY LMS
CHECKED BY L.E.



SECTION - DEMOLITION
SCALE: 3/8"= 1'-0"



LYNCH
ENGINEERING, P.C.
448 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

NO ALTERATION PERMITTED HEREON EXCEPT AS
NOTED UNDER SECTION 123 SUBDIVISION 2
OF THE NEW YORK STATE EDUCATION LAW.

DRAWING NO.
9630

H-3

REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT-CHANGES AS NOTED
☒ AS BUILT-NO CHANGES

CONTRACTOR
NAME: STANLEY AND HANDELSON, INC.
SIGNATURE: _____
TITLE: _____
DATE: 10/12/92

PROJECT COORDINATOR
NAME: _____
SIGNATURE: _____
TITLE: _____
DATE: _____

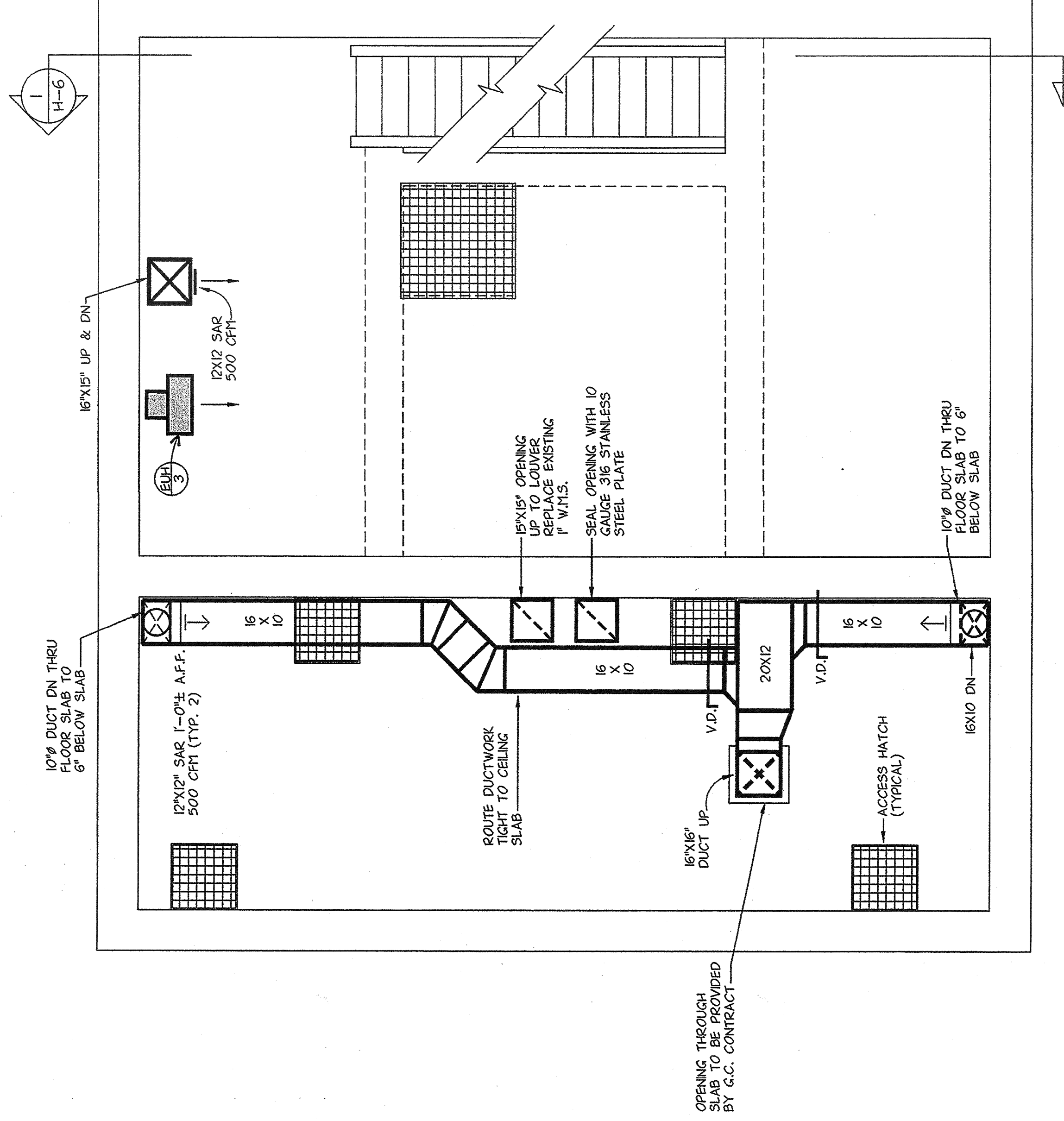
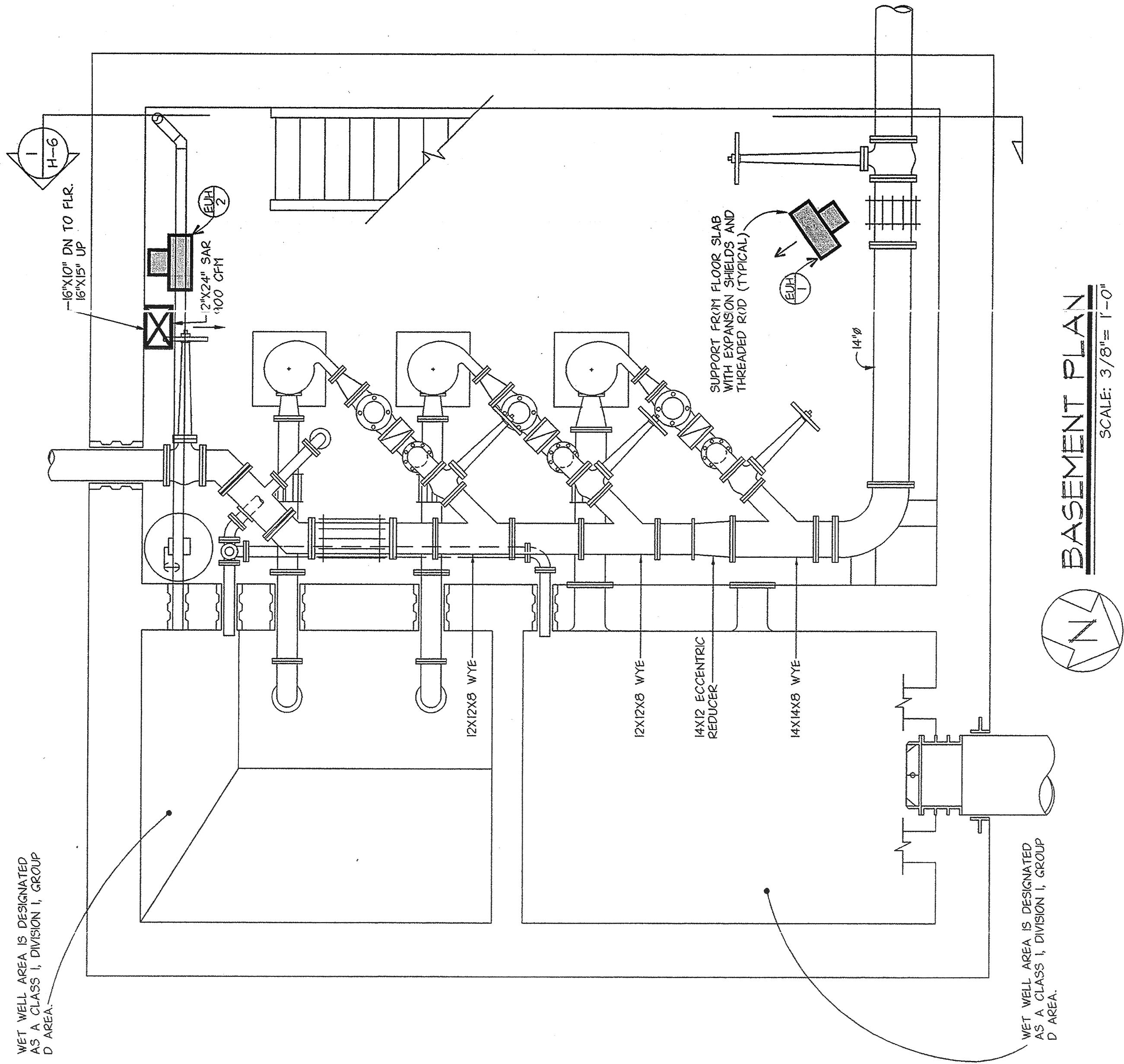
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SECTIONS - DEMOLITION

PUMP STATION REHABILITATION PROGRAM
SPRAIN PUMP STATION
GREENBURGH, NEW YORK

PROJECT 96-572
NUMBER
SUBJECT 96-572-HV
NUMBER
SHEET NO. 13 OF 25
SCALE: AS NOTED
DATE: 05/09/97
DRAWING NO.
202-02-HV-13
REV. NO.
0

IN CHARGE OF: DAB
MADE BY: LMS
CHECKED BY: L.E.



BASEMENT PLAN

SCALE: $3/8" = 1'-0"$

MIDDLE FLOOR PLAN

SCALE: 3/8" = 1'-0"



LYNCH
ENGINEERING, P.C.
448 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

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DRAWING NO.

96.30

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[illegible]

RECORD DRAWING CERTIFICATION

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<input checked="" type="checkbox"/>	AS BUILT-NO CHANGES

NAME CONTRACTOR
TURNER AND HARRISON, INC.

PROJECT COORDINATOR

PROJECT NUMBER	96-572
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CONTRACT NUMBER 96-572-HV

SHEET NO. 14 OF 25

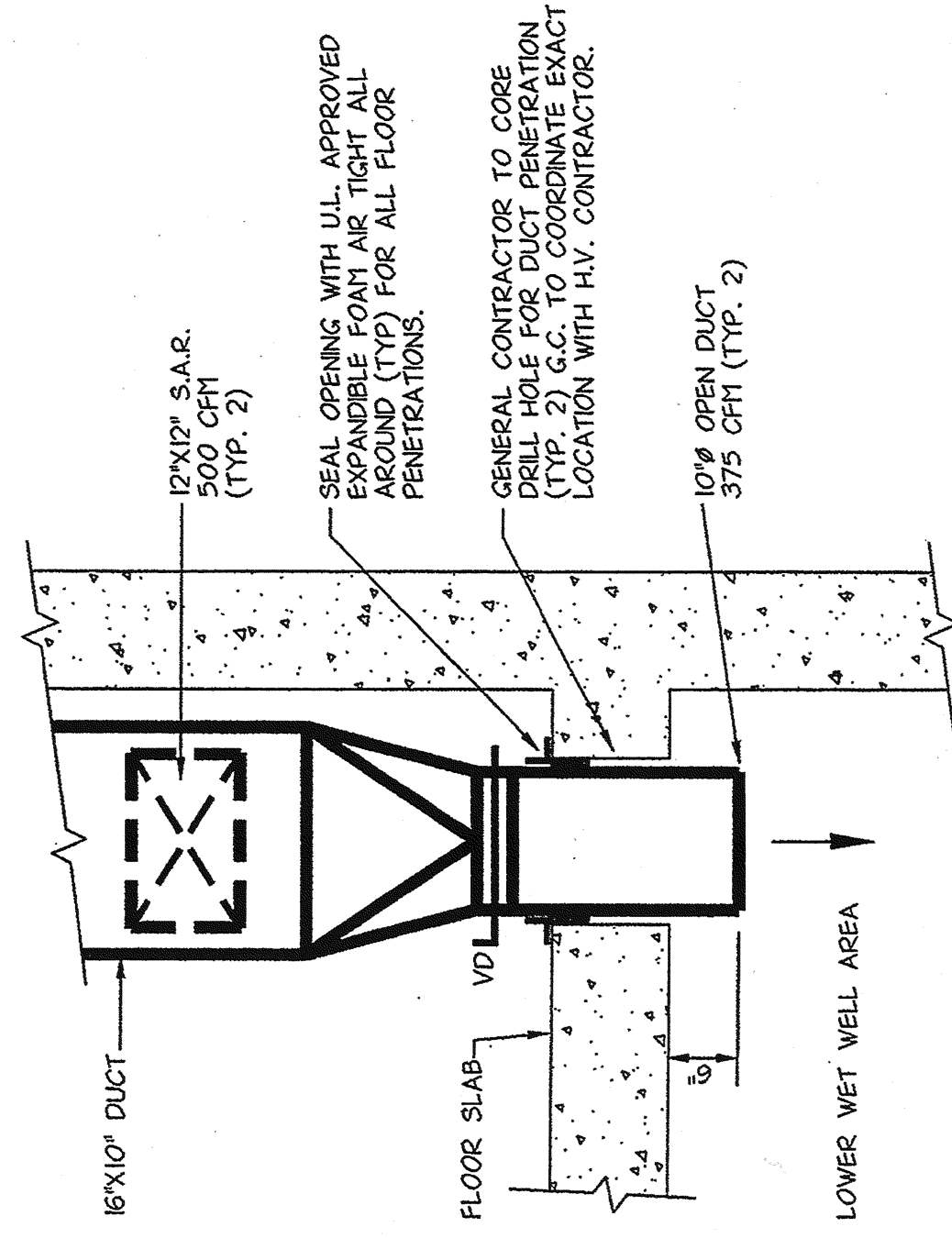
SCAILED AS NOTED

DATE: 05/09/97

DRAWING NO.	REV.
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2023-03-HV-14

PT-4H-30-30



IN CHARGE OF DAB

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MADE BY _____ FILE _____



LYNCH
ENGINEERING, P.C.
448 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

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RECORD DRAWING CERTIFICATION

AS BUILT-CHANGES AS NOTED

☒ AS BUILT--NO CHANGES

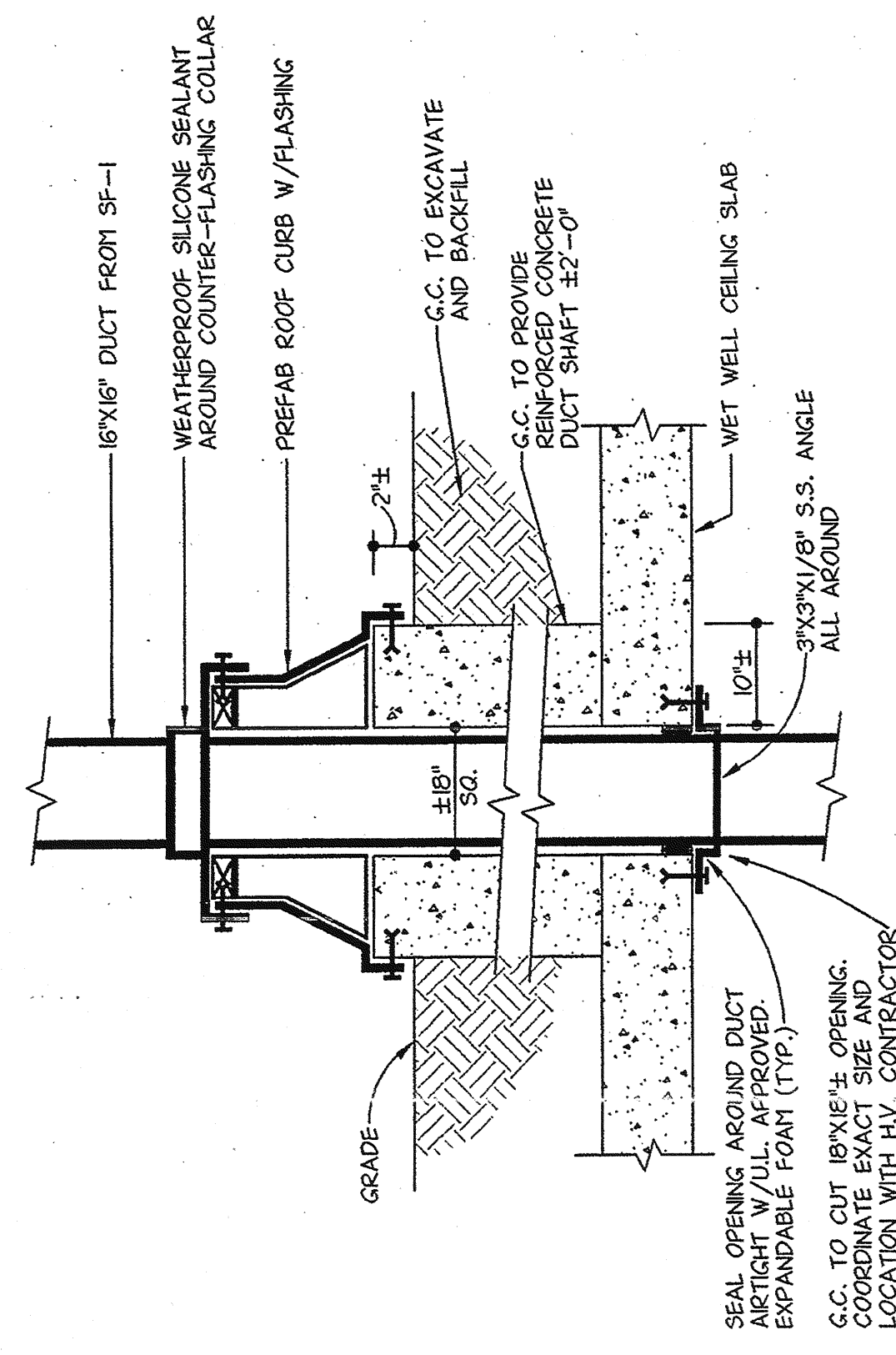
CONTRACTOR		PROJECT COORDINATOR	
NAME	<u>TURNER AND HARRISON, INC.</u>	NAME	_____
SIGNATURE	_____	SIGNATURE	_____
TITLE	_____	TITLE	_____
DATE	<u>10/9/92</u>	DATE	_____

PROJECT NUMBER	96-572
CONTRACT NUMBER	96-572-HV
SHEET NO.	15 OF 25

SCALE: AS NOTED	REV. NO.
DATE: 05/08/97	
DRAWING NO.	
E02-02-HV-15	0

MAIN FLOOR PLAN

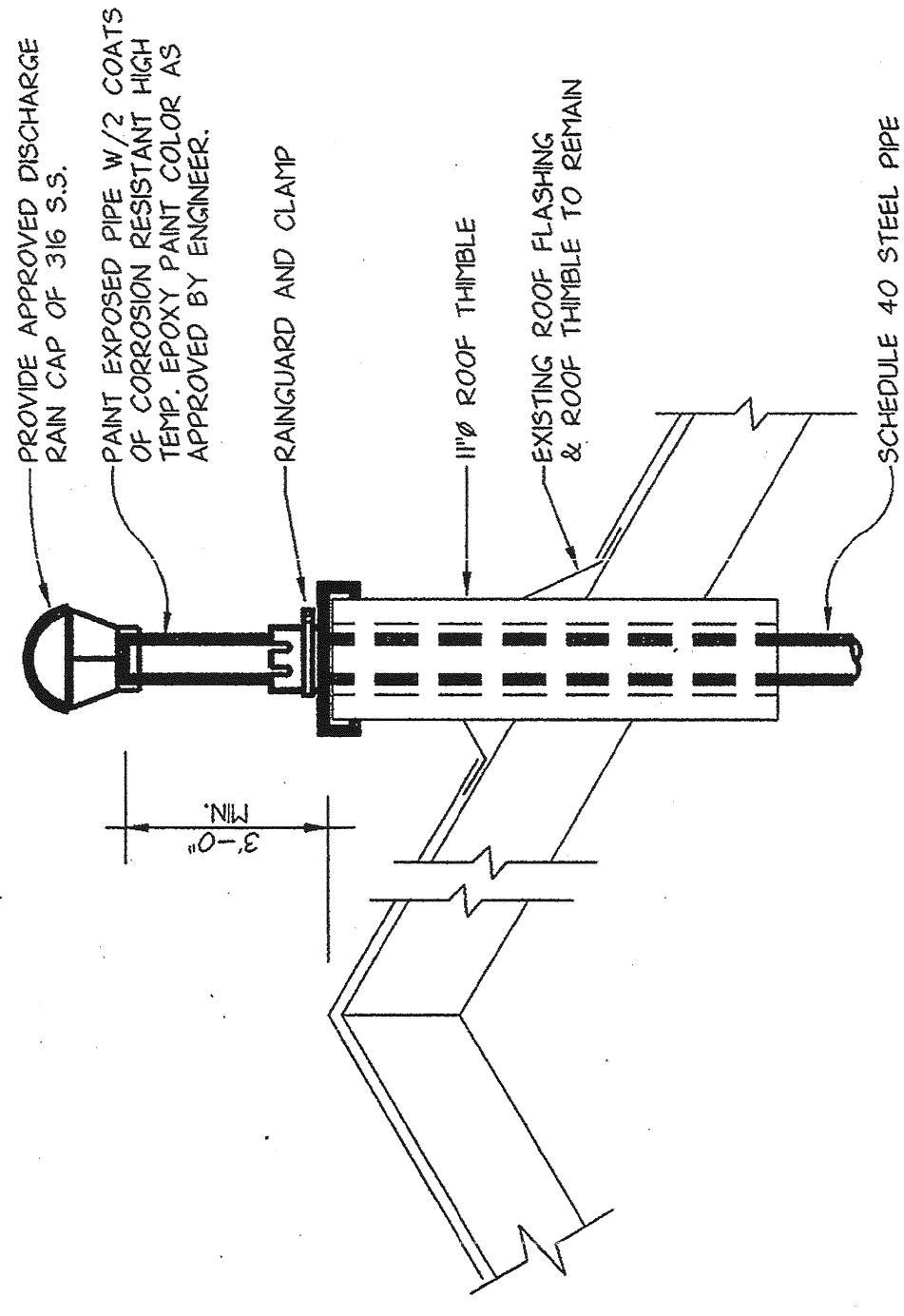
PUMP STATION REHABILITATION PROGRAM
SPRAIN PUMP STATION
GREENBURGH, NEW YORK



WET WELL CURB DETAIL

NO SCALE

IN CHARGE OF DAB
MADE BY LMS
CHECKED BY L.E.

[illegible]ELECTRIC UNIT HEATER SCHEDULE[illegible]

FLUE DETAIL



**LYNCH
ENGINEERING, P.C.**
448 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

6-H

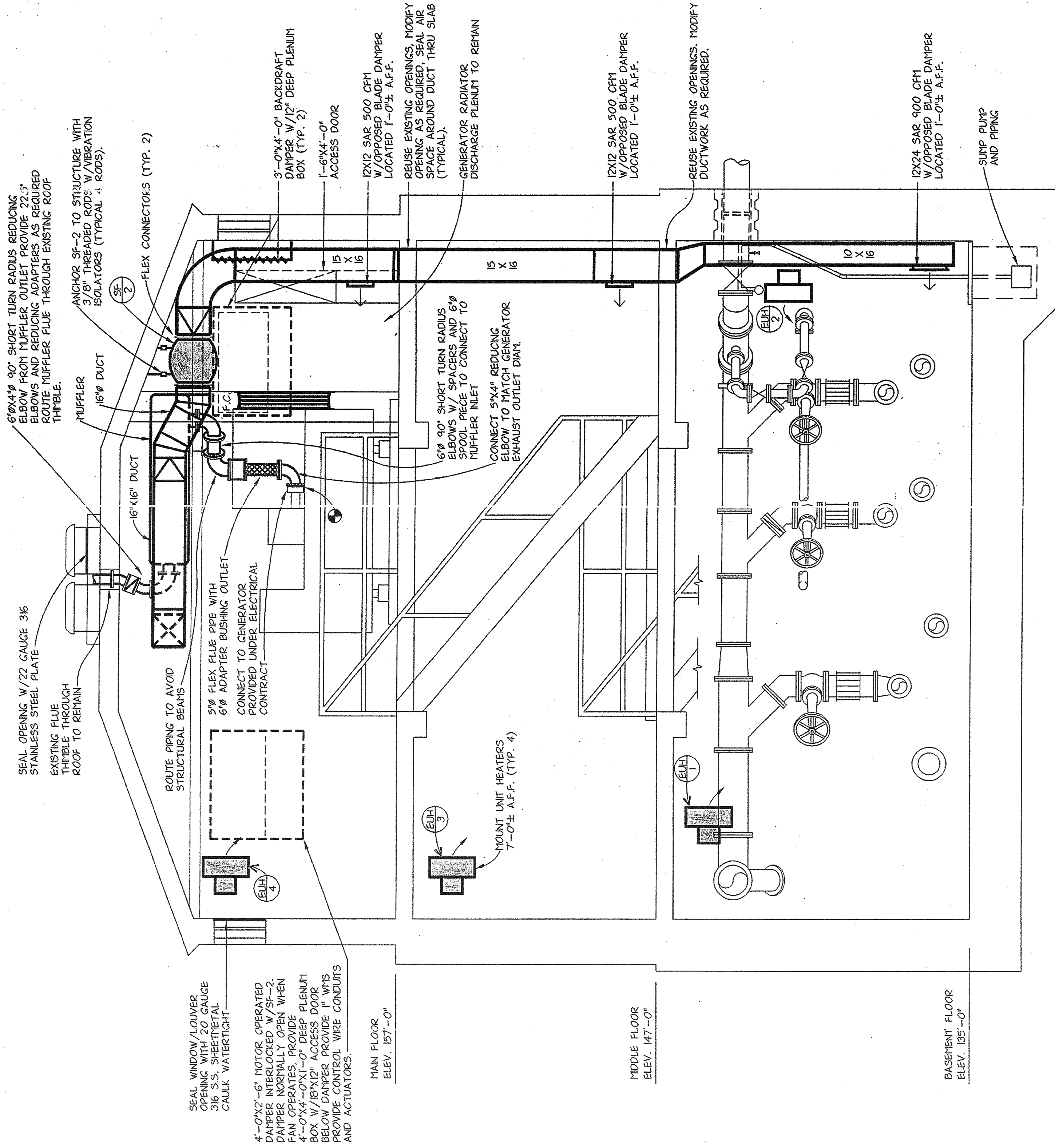
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RECORD DRAWING CERTIFICATION

☐ AS BUILT-CHANGES AS NOTED
☒ AS BUILT-NO CHANGES

CONTRACTOR		PROJECT COORDINATOR	
NAME	<u>SPINER AND HARRISON, INC.</u>	NAME	_____
SIGNATURE	_____	SIGNATURE	_____
TITLE	_____	TITLE	_____
DATE	<u>10/19/98</u>	DATE	_____

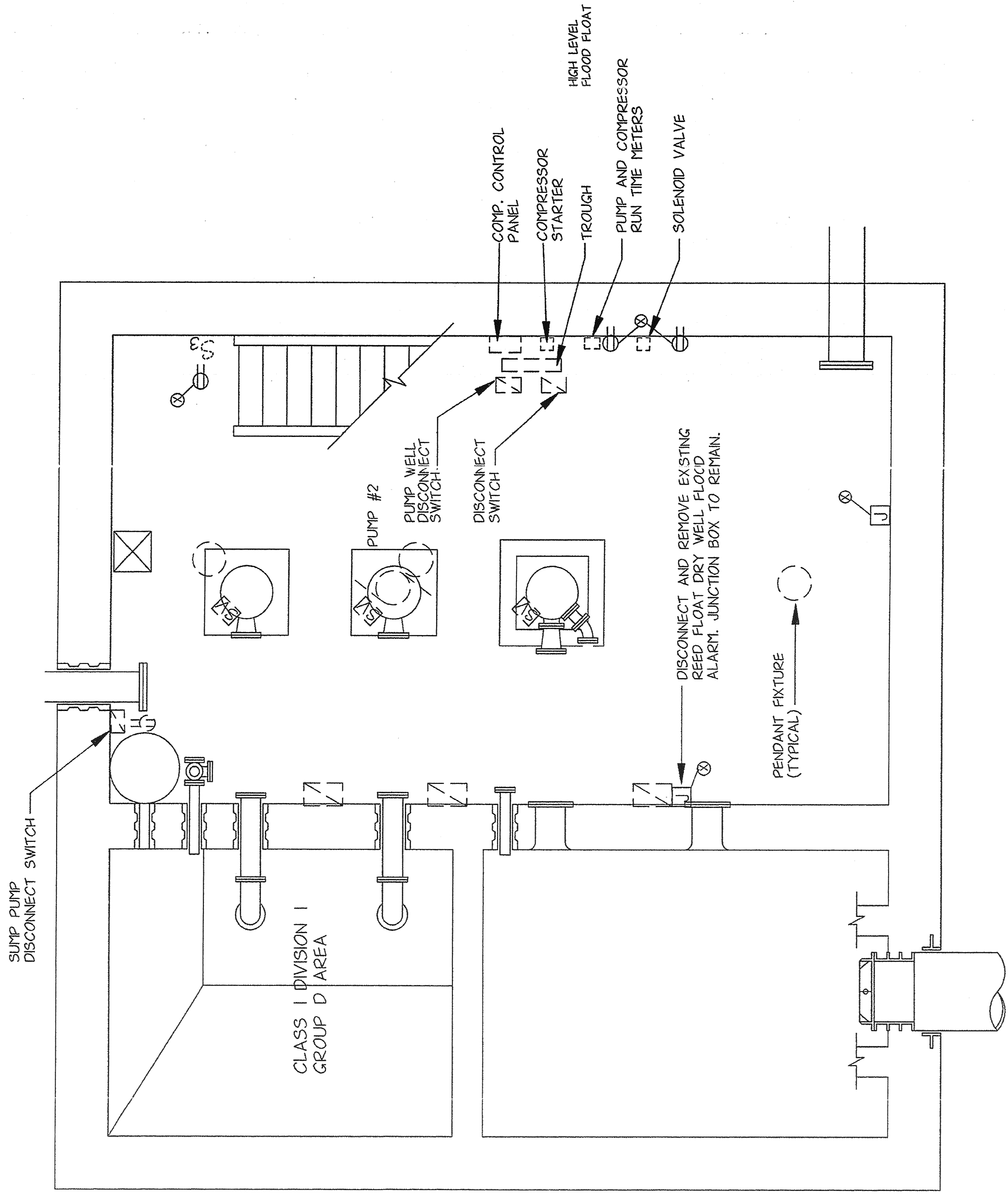
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING	PROJECT NUMBER 96-572 CONTRACT NUMBER 96-572-HV SHEET NO. 16 OF 25
<p align="center"><u>SECTIONS AND SCHEDULES</u></p> <p align="center">PUMP STATION REHABILITATION PROGRAM SPRAIN PUMP STATION GREENBURGH, NEW YORK</p>	
	SCALE: AS NOTED DATE: 05/09/97 DRAWING NO. REV. NO. 202-02-HV-16 0 0



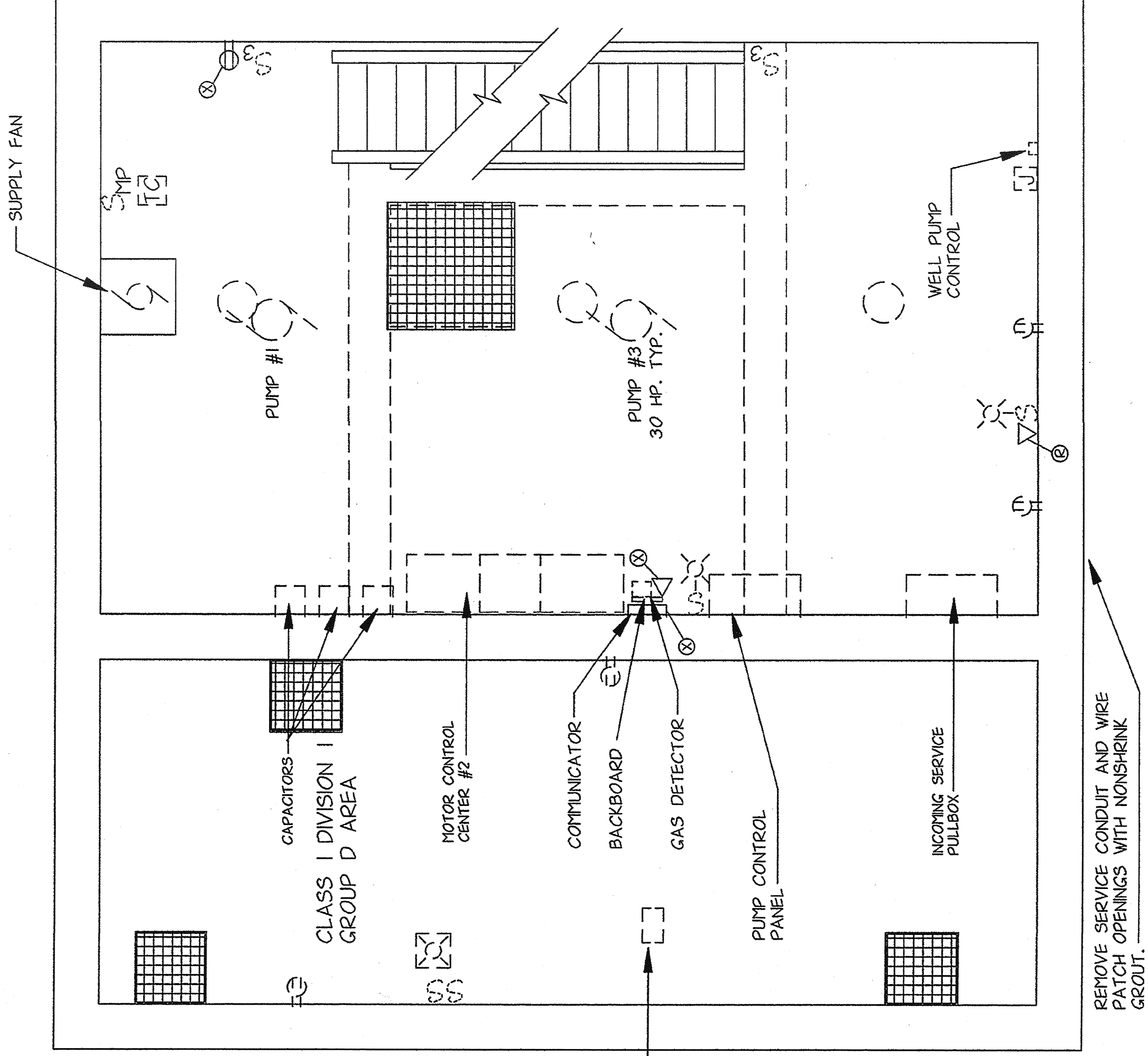
SECTION

H-4 H-5 SCALE: 3/8" = 1'-0"

IN CHARGE OF DAB
MADE BY LMS
CHECKED BY L.E.

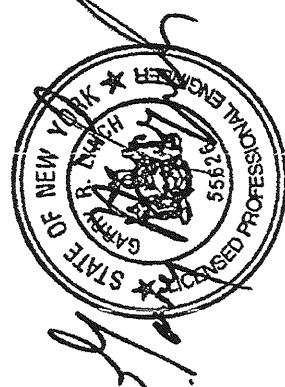


BASEMENT PLAN - DEMOLITION
SCALE: 3/8"=1'-0"



MIDDLE FLOOR PLAN - DEMOLITION
SCALE: 3/8"=1'-0"

- NOTES:
- 1- INSTALL BLANK PLATE COVER ON ALL ABANDONED FIXTURE OUTLET AND RECEPTACLE OUTLET BOXES.
 - 2- FLOOR CONDUITS THAT ARE TO BE ABANDONED SHALL BE CUT 1" BELOW SLAB AND PATCHED TO MATCH EXISTING FLOOR.



**LYNCH
ENGINEERING, P.C.**
449 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED IN SECTION 2 OF THE NEW YORK STATE EDUCATION LAW.

DRAWING NO.
9630

E-2

REVISION NUMBER	03/31/94	DJ	J O'C	AS BUILT
DATE		MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

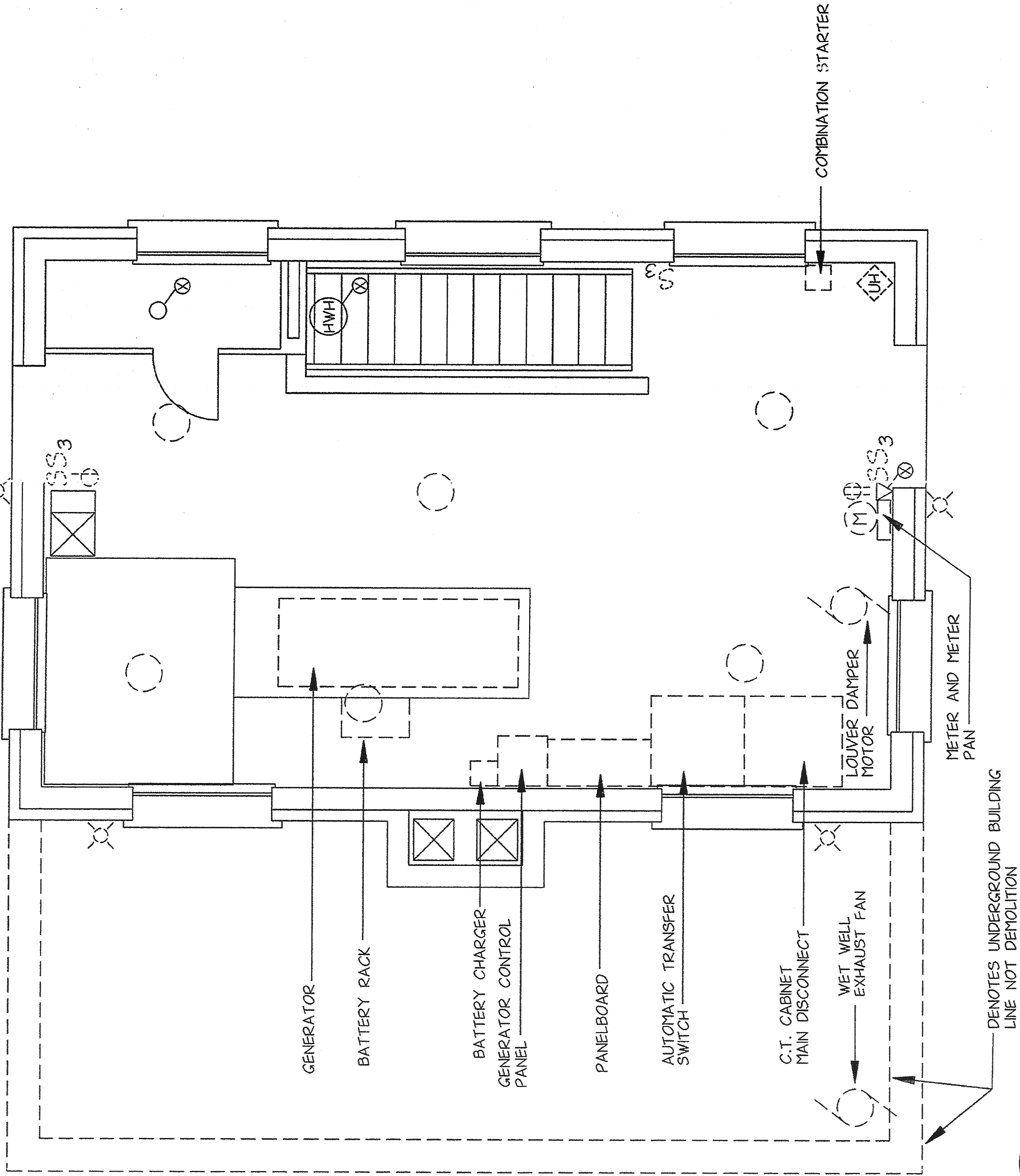
- ☐ AS BUILT-CHANGES AS NOTED
☒ AS BUILT-NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE
DATE
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

PROJECT 96-572
NUMBER
CONTRACT 96-572-E
NUMBER
SHEET NO. 18 OF 25
SCALE: AS NOTED
DATE: 05/09/97
DRAWING NO.
202-02-E-18
REV. NO.
0

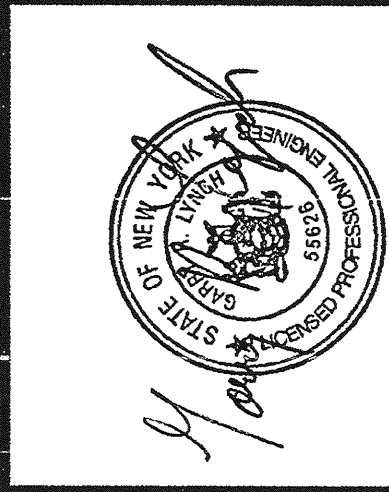
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
BASEMENT AND MIDDLE FLOOR PLANS - DEMOLITION
PUMP STATION REHABILITATION PROGRAM
GREENBURGH, NEW YORK

IN CHARGE OF J O'C
MADE BY REF/DJ
CHECKED BY L.E.



NOTE:
THE FOLLOWING EQUIPMENT SHALL BE TURNED
OVER TO THE OWNER IN WORKING CONDITION
1) GENERATOR AND ALL ACCESSORIES
2) BATTERIES AND RACK
3) BATTERY CHARGER
4) GENERATOR CONTROL PANEL
5) AUTOMATIC TRANSFER SWITCH
6) PUMP CONTROL PANEL

MAIN FLOOR PLAN - DEMOLITION
SCALE: 3/8"= 1'-0"



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ENGINEERING, P.C.
449 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

NO ALTERATION PERMITTED HEREON EXCEPT AS
PERMITTED BY THE ENGINEER SIGNING THEREON
OF THE NEW YORK STATE EDUCATION LAW.
DRAWING NO. **E-3**
9630

REVISION NUMBER	03/31/99	DJ	J O'C	AS BUILT
DATE	MADE BY	APP'D BY	REVISION	

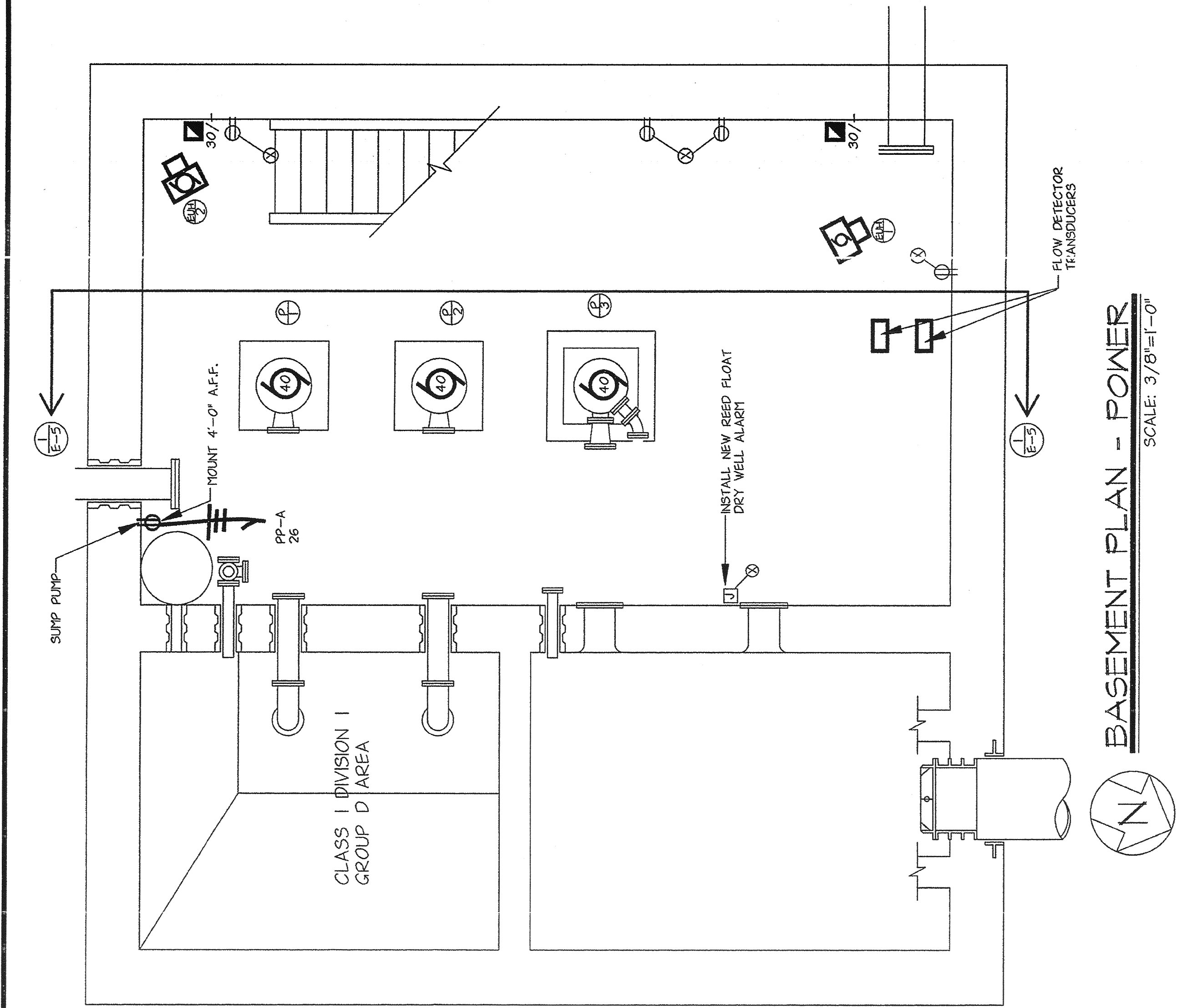
RECORD DRAWING CERTIFICATION

☐ AS BUILT-CHANGES AS NOTED
☒ AS BUILT-NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE
DATE
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

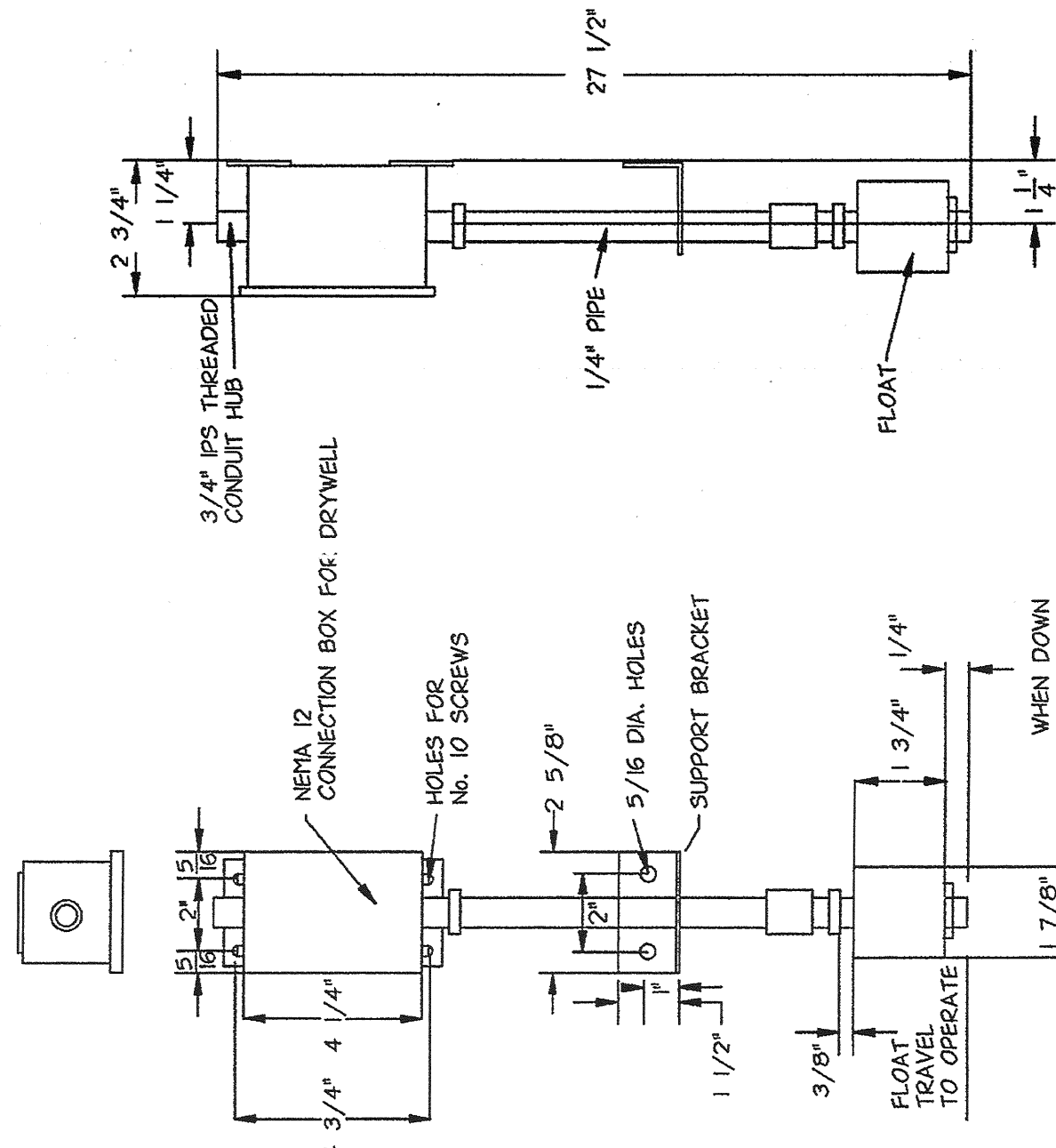
PROJECT 96-572
NUMBER
CONTRACT 96-572-E
NUMBER
SHEET NO. 19 OF 25
SCALE: AS NOTED
DATE: 05/09/97
DRAWING NO.
202-02-E-19
REV. NO. 0
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
MAIN FLOOR PLAN - DEMOLITION
PUMP STATION REHABILITATION PROGRAM
SPRAIN PUMP STATION
GREENBURGH, NEW YORK

IN CHARGE OF J O'C
MADE BY REF/DJ
CHECKED BY L.E.



BASEMENT PLAN - POWER

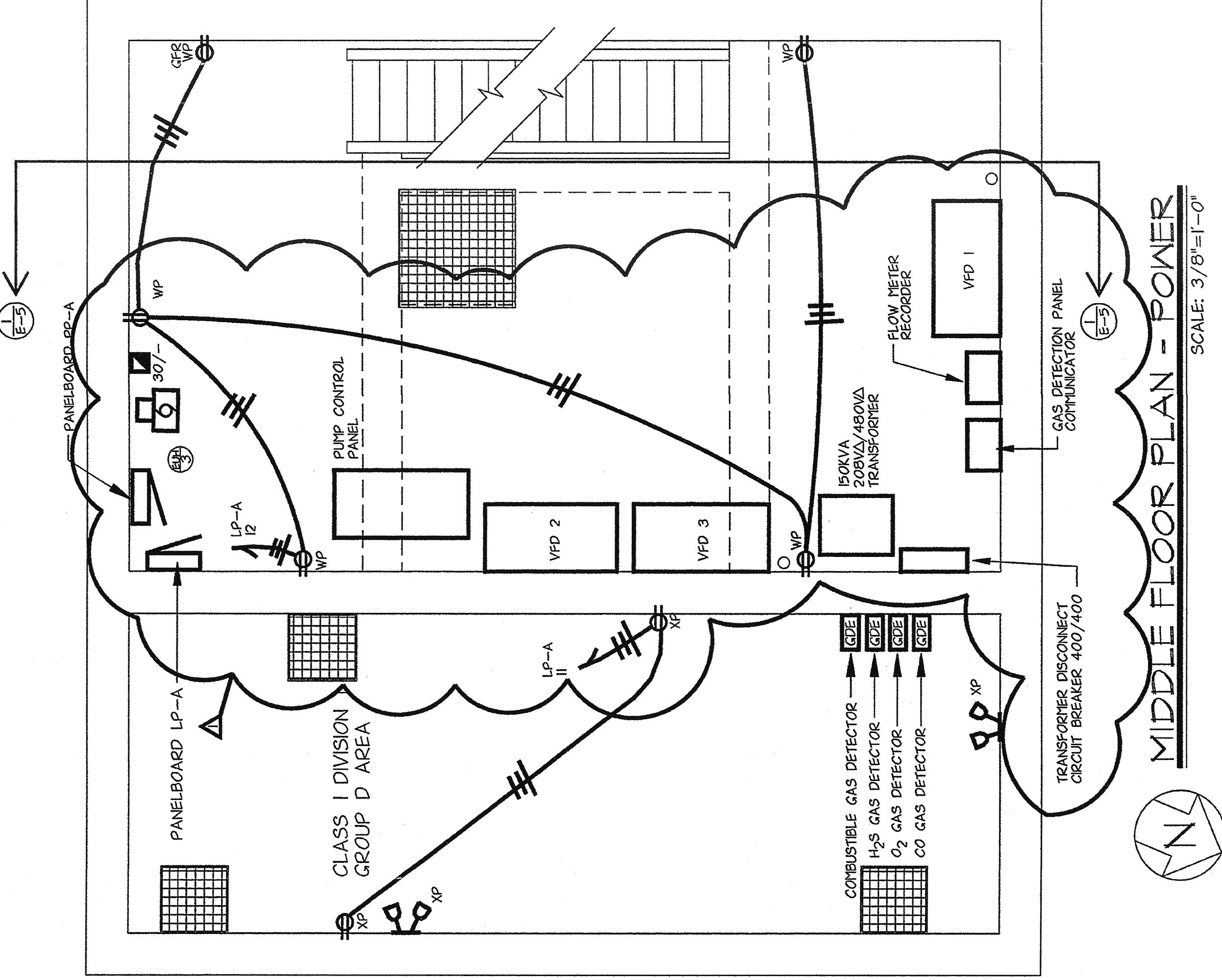
SCALE: 3/8"=1'-0"



DRY WELL FLOOD ALARM DETAIL

NO SCALE

IN CHARGE OF J. O'C.
MADE BY REF/DJ
CHECKED BY L.E.



MIDDLE FLOOR PLAN - POWER

SCALE: 3/8"=1'-0"

NOTES:
1- PROVIDE 3" HIGH HOUSEKEEPING PAD UNDER ALL ELECTRICAL EQUIPMENT.
2- ALL SIDES OF VFD AND SHALL HAVE A 45 CHAMFER CONCRETE FOR PADS SHALL BE MINIMUM 3000PSI.
3- INSTALL SEALOFFS ON AND COMPOUND IN ALL JOINTS ENTERING CLASS I DIVISION 1 GROUP D AREAS.



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DRAWING NO. 9630
E-4

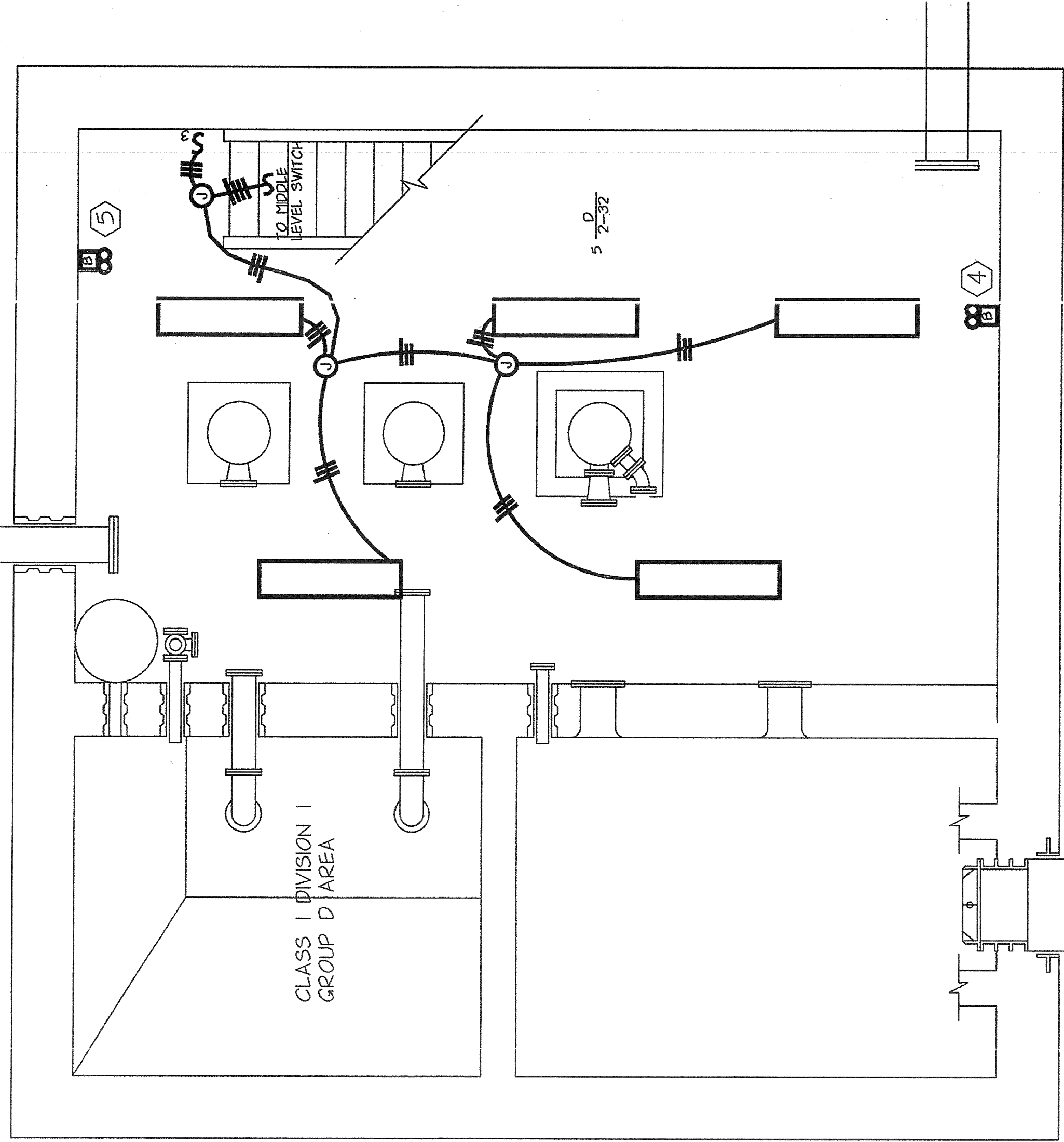
REVISION NUMBER	DATE	BY	APP'D BY	J. O'C.	AS BUILT	REVISION
Δ	03/3/04	DJ				

RECORD DRAWING CERTIFICATION

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CONTRACTOR
NAME
SIGNATURE
TITLE
DATE
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE
DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
BASEMENT AND MIDDLE FLOOR PLANS - POWER
PUMP STATION REHABILITATION PROGRAM
GREENBURGH, NEW YORK
PROJECT 96-572
NUMBER 96-572-E
SHEET NO. 20 OF 25
SCALE: AS NOTED
DATE: 05/09/97
REV. NO. 0
REV. NO. 0

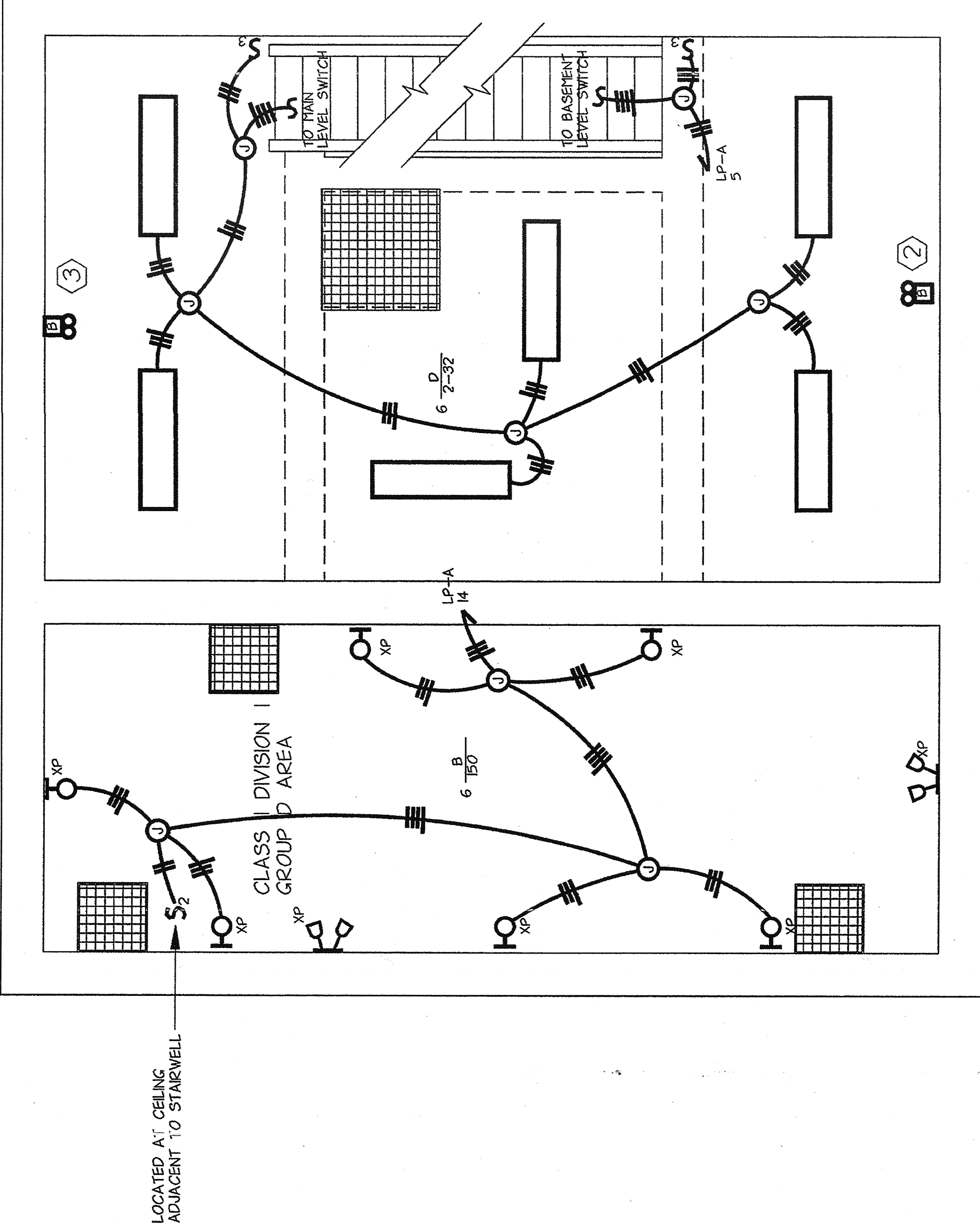


NOTE:
1- ALL FIXTURES TO BE MOUNTED 9'-0" A.F.F.
UNLESS OTHERWISE NOTED.

BASEMENT PLAN - LIGHTING
SCALE: 3/8"=1'-0"



SCHEDULE OF LIGHTING FIXTURES					
TYPE	LAMPS WATTS	MOUNTING	VOL-TAGE	FIXTURE MANUFACTURER AND CATALOG NUMBER	REMARKS
A	2-32 FL	WALL	120V	LITHONIA VDC	T-8 LAMPS, ELECTRONIC BALLAST, VANDAL SHIELDS
B	150W HPS	WALL	120V	CROUSE HINDS HAZARD GUARD EVMBX42151	WITH GUARD, 30% REFLECTOR, HIGH POWER FACTOR (BALLAST MINIMUM 90%)
C	100W HPS	WALL	120V	MOLDCAST PARACYL	VANDAL PROOF SHIELD, HARDWARE WITH PHOTOCELL/FIXTURE
D	2-32 FL	CEILING/ PENDENT	120V	LITHONIA DM	T-8 LAMPS, ELECTRONIC BALLAST, HIGH IMPACT ACRYLIC DIFFUSER
F					
LITHONIA NEMA SERIES 12V/12W HALOGEN LAMPS, AMMETER, VOLTMETER, LOAD DISCONNECT SWITCH					
CROUSE HINDS ELPS SERIES 12VDC, TUNGSTEN HALOGEN LAMP					

IN CHARGE OF J D/C
MADE BY REF/DJ
CHECKED BY L.E.



NOTE:
1- ALL FIXTURES TO BE MOUNTED 9'-0" A.F.F.
UNLESS OTHERWISE NOTED.

MIDDLE FLOOR PLAN - LIGHTING
SCALE: 3/8"=1'-0"



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PLEASANTVILLE, NY 10570

DRAWING NO.
9630
E-6

REVISION NUMBER	DATE	BY	APPRO'D BY	DATE	REVISION
Δ	03/29/94	DJ	J D/C		AS BUILT
					REVISION

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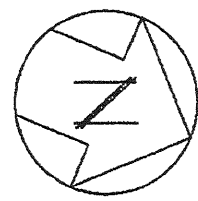
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CONTRACTOR
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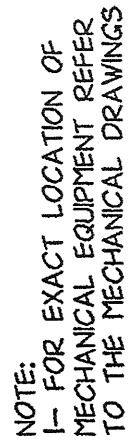
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
BASEMENT AND MIDDLE FLOOR PLANS - LIGHTING
FIXTURE SCHEDULE AND LIGHTING SINGLE LINE DIAGRAM
SCALE: AS NOTED
DATE: 05/09/87
PUMP STATION REHABILITATION PROGRAM
REPAIR AND MAINTENANCE
GREENBURGH, NEW YORK

SUBJECT
NUMBER
96-572-E
SHEET NO. 22 OF 25
DATE: 05/09/87
DRAWING NO.
202-02-E-22
REV
0



SCALE: 3/8" = 1'-0"



SCALE: 3/8" = 1'-0"



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CONTRACTOR

PROJECT COORDINATOR

NAME _____
SIGNATURE _____
TITLE _____
DATE _____

TITLE	DATE	TITLE	DATE
WESTCHESTER COUNTY, NEW YORK			
PROJECT		NUMBER	
96-572			

DEPARTMENT OF PUBLIC WORKS
 DIVISION OF ENGINEERING
 CONTRACT NUMBER 96-572-E
 SHEET NO. 23 OF 25

MAIN FLOOR PLAN - LIGHTING
AND DETAIL

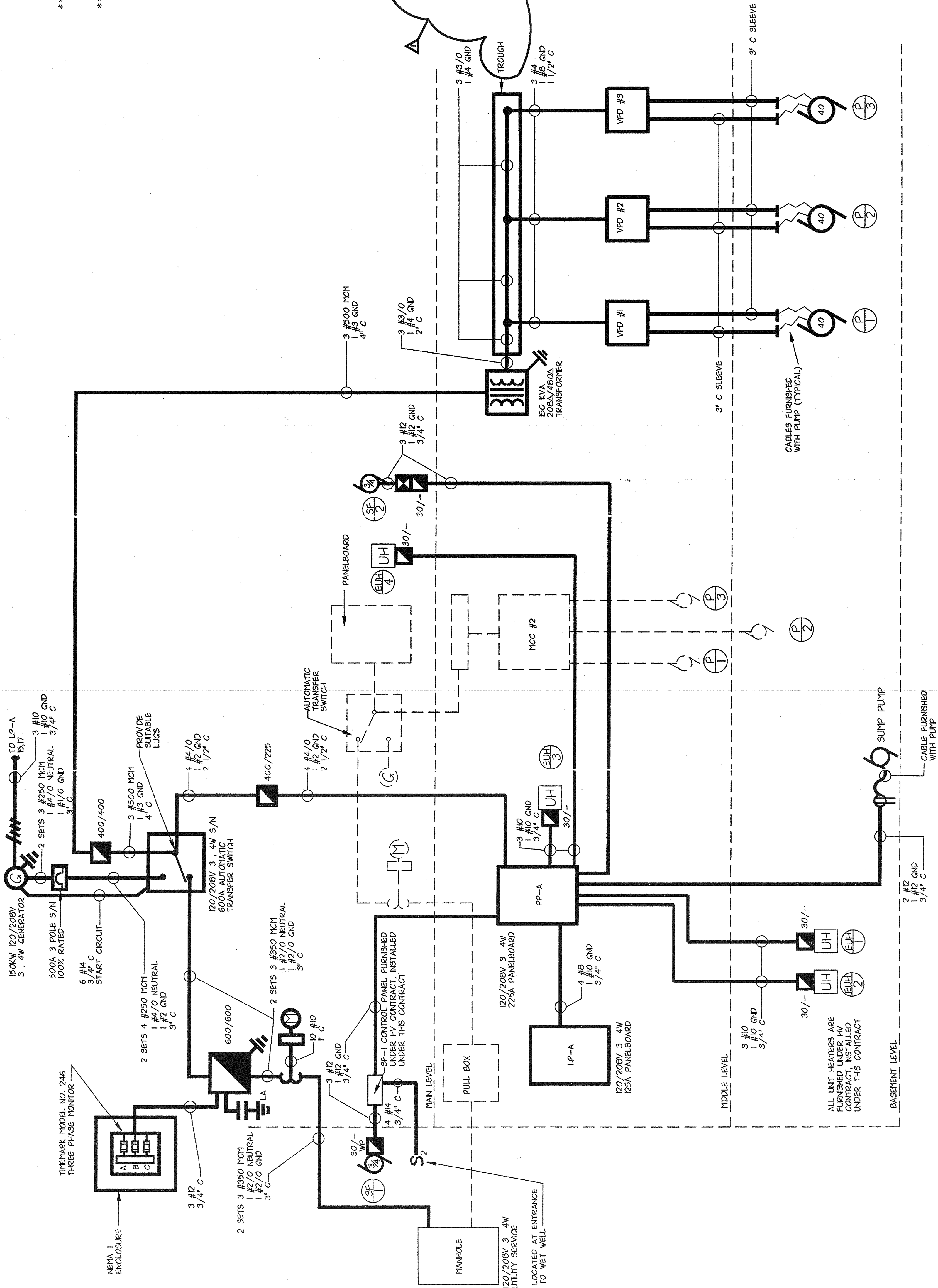
PUMP STATION REHABILITATION PROGRAM
SPRAIN PUMP STATION
GREENBURGH, NEW YORK

IN CHARGE OF _____ JUC
MADE BY _____ REF/DJ
CHECKED BY _____ L.E.

LP-A 120/208V 3 4W 125A MLO									
DESCRIPTION	KW	BKR.	POLES	CCT. NO.	PHASE	CCT. NO.	POLES	BKR.	KW
FLOW DETECTOR	.1	20	1	1	A	2	1	20	.1
GAS DETECTOR PANEL	.1	20	1	3	B	4	1	30	1.0
LIGHTING	.5	20	1	5	C	6	1	20	.6
LIGHTING	.5	20	1	7	A	8	1	20	.6
COMMUNICATOR	.1	20	1	9	B	10	1	20	1.2
RECEPTACLES	.4	20	1	11	C	12	1	20	.6
SPARE	—	20	1	13	A	14	1	20	1.0
BATTERY CHARGER	1.5	30	1	15	B	16	1	20	.2
BLOCK HEATER	18	30	1	17	C	18	1	20	—
SPARE	—	20	1	19	A	20	1	20	—
SPARE	—	20	1	21	B	22	1	20	—
SPARE	—	20	1	23	C	24	1	20	—

* GROUND FAULT TYPE CIRCUIT BREAKER
**HANDLELOCK ON CIRCUIT BREAKER

PP-A 120/208V 3 4W 225A MCB									
DESCRIPTION	KW	BKR.	POLES	CCT. NO.	PHASE	CCT. NO.	POLES	BKR.	KW
LP-A	12.5	50	3	1	A	2	3	30	7.5
				3	B	4			
				5	C	6			
EUH-3	7.5	30	3	7	A	8			
				9	B	10			
				11	C	12			
				13	A	14			
				15	B	16			
				17	C	18			
SPARE	—	20	1	19	A	20	1	20	—
SF-2	11	30	3	21	B	22	3	30	4.8
				23	C	24			
				25	A	26			
HOT WATER	—	20	1	27	B	28	1	20	1.2
SPARE	—	20	1	29	C	30	1	20	—



POWER SINGLE LINE DIAGRAM

NO SCALE

NOTE:
CONDUIT FOR CABLES FURNISHED WITH 400 MOTORS
SHALL BE 2" O.D. WITH 1/2" BORE. ALL CABLES
SHALL ENTER MOTOR HOUSING TO PROVIDE DRIP LOOP

IN CHARGE OF J. D/C
MADE BY REF/DJ
CHECKED BY L.E.



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ENGINEERING, P.C.
448 - 450 MANVILLE ROAD
PLEASANTVILLE, NY 10570

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OF THE NEW YORK STATE EDUCATION LAW.
DRAWING NO. 9630
E-8

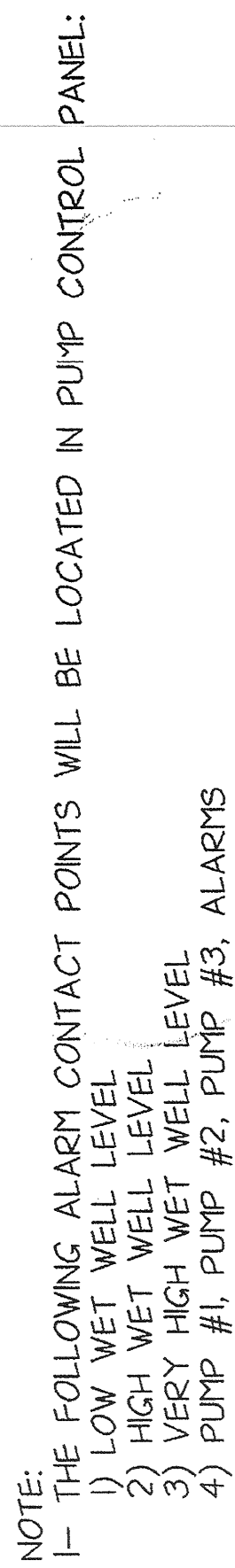
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
Δ	03/31/99	DJ	J. D/C	AS BUILT

RECORD DRAWING CERTIFICATION

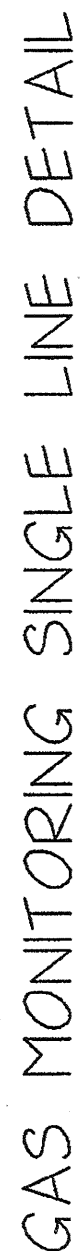
☒ AS BUILT-CHANGES AS NOTED
☐ AS BUILT-NO CHANGES

NAME	SIGNATURE	DATE	PROJECT COORDINATOR
CONTRACTOR			

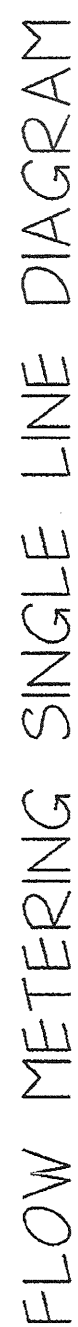
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING	PROJECT 96-572 NUMBER 96-572-E SHEET NO. 24 OF 25
PUMP STATION REHABILITATION PROGRAM SPRAIN PUMP STATION GREENBURGH, NEW YORK	SCALE: AS NOTED DATE: 05/09/97 DRAWING NO. 9630 REV. 0



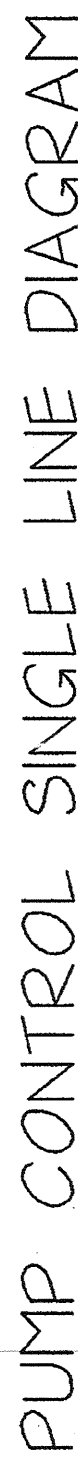
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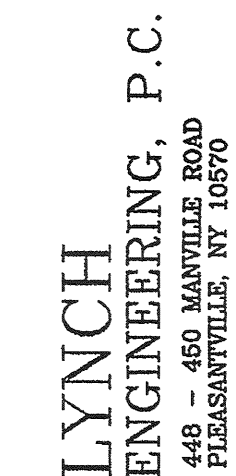
NO SCALE



NO SCALE



NO SCALE



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RECORD DRAWING CERTIFICATION

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☐ AS BUILT-NO CHANGES

CONTRACTOR

CONTRACTOR	PROJECT COORDINATOR
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[illegible]

SIGNATURE	SIGNATURE
TITLE	TITLE
DATE	DATE

PROJECT	NO.	DATE	DESCRIPTION	STATUS	REMARKS
1	1	1/1/2020	Project Initiation	Completed	
2	2	2/1/2020	Project Planning	In Progress	
3	3	3/1/2020	Project Execution	Not Started	
4	4	4/1/2020	Project Monitoring	Not Started	
5	5	5/1/2020	Project Closure	Not Started	

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS
CONTRACT NO. 96-5
NUMBER

DIVISION OF ENGINEERING SHEET NO. 250

SINGLE LINE DIAGRAMS AND DETAIL

DATE: 05/09/9

PUMP STATION REHABILITATION PROGRAM
SOGGIN OILFIELD STATION

SPRAIN FOUNTAIN STATION
GREENBURGH, NEW YORK

[illegible]

IN CHARGE OF J D'C
MADE BY REF/D
CHECKED BY L.E.

ATTACHMENT 2

SCHEDULE OF EQUIPMENT TESTING AND MANUFACTURER'S SERVICES

Equipment Item	Spec. Section	Performance Affidavit	Shop Tests	Field Tests	Installation Cert.	Services of Manufacturer's Representative			Operation & Maintenance Manual
						Installation Days	Final Acceptance Days	Instruction Days	
Sluice Gates	11291	Yes	Yes	Yes	Yes	1/2	1/2	1/2	Yes
Dry Pit Submersible Pumps	11303	Yes	Yes	Yes	Yes	1	1	1	Yes
Programmable Logic Controllers (PLCs)	17095	No	Yes	Yes	Yes	2	1	1	Yes
Bubbler Level Sensing Equipment	17095	No	Yes	Yes	Yes	--	1/2	1/2	Yes
Level Measurement (Suspended Pressure Transducer Type)	17095	No	No	Yes	Yes	--	1/2	1/2	Yes
Flow Meters (Magnetic Type)	17095	No	No	Yes	Yes	1/2	1/2	1/2	Yes
Pressure Transmitters and Associated Flow Measuring Equipment	17095	No	No	Yes	Yes	1/2	1/2	1/2	Yes
Circular Chart Recorders	17095	No	No	Yes	Yes	1/2	1/2	1/2	Yes
Gas Detection System	17650	No	No	Yes	Yes	1	1/2	1/2	Yes
Water Supply Well	33213	No	No	Yes	Yes	1/2	1	1/2	Yes
Hoists and Cranes	41220	No	No	Yes	Yes	1/2	1/2	1/2	Yes

ATTACHMENT 3

