

CONTRACT DRAWINGS

COUNTY OF ONONDAGA, NEW YORK
DEPARTMENT OF PUBLIC WORKS

UHL T. MANN, COMMISSIONER

DIVISION OF DRAINAGE & SANITATION

PROJECT NO.: C-36-448

LAKE SHORE SANITARY DISTRICT
TOWN OF CICERO, NEW YORK

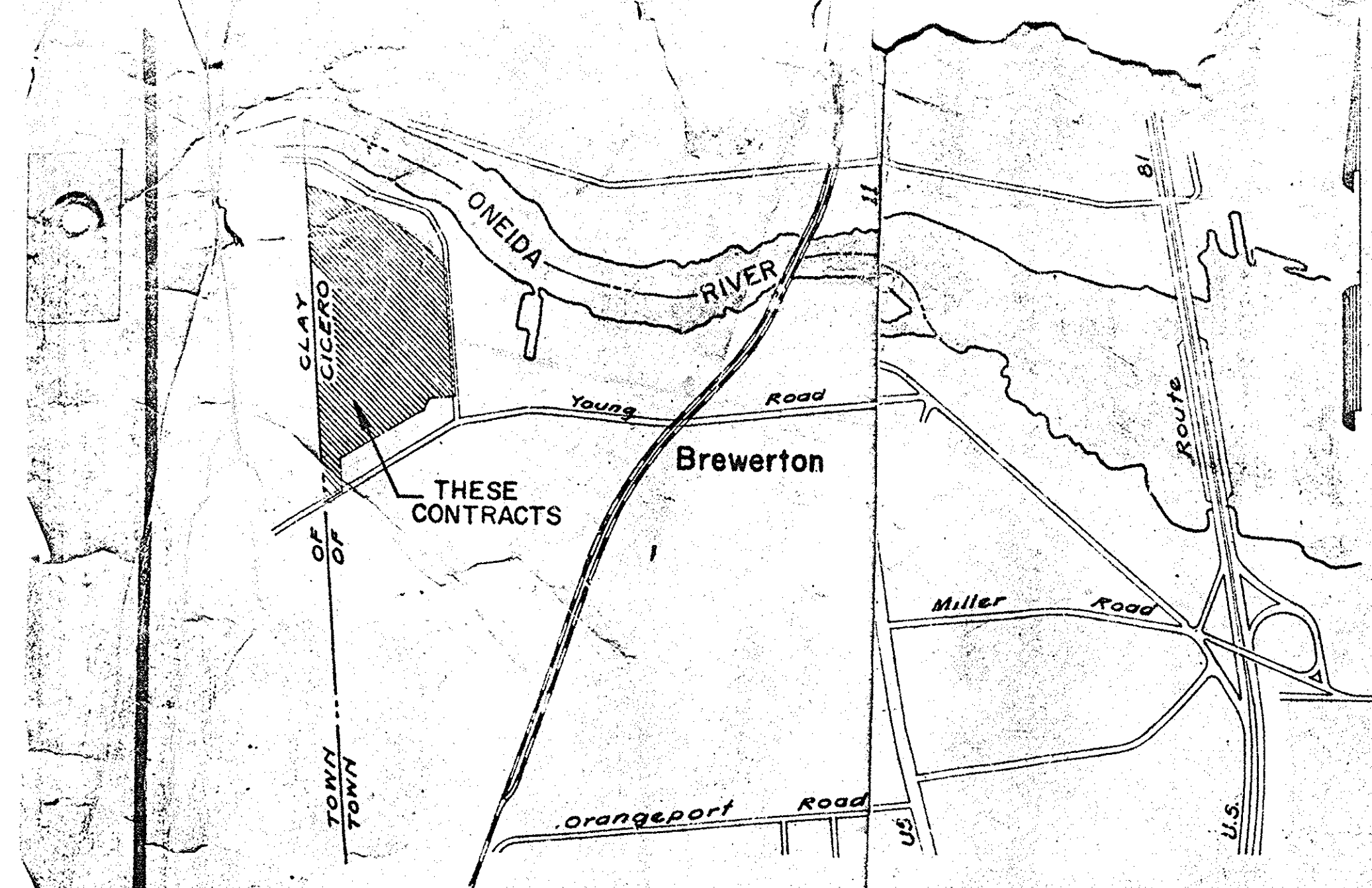
BREWERTON WATER POLLUTION
CONTROL PLANT

- CONTRACT No. IA - GENERAL
- CONTRACT No. IB - ELECTRICAL
- CONTRACT No. IC - HEATING & VENTILATING
- CONTRACT No. ID - PLUMBING

AS BUILT - 1972

BARTON, BROWN, CLYDE & LOGUIDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

ECKERLIN - KLEPPER - HAHN
CONSULTING ENGINEERS
SYRACUSE, NEW YORK



LOCATION PLAN
SCALE: 1"=1000'

NOTE: THESE PLANS REVISIONS TO INCLUDE
CERTAIN "AS BUILT" INFORMATION.

FEBRUARY 1975

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CONTROL BUILDING & PUMPING STATION

13	ARCHITECTURAL
14	ARCHITECTURAL

CONTROL BUILDING

15	STRUCTURAL
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RAW SEWAGE PUMPING STATION

16	STRUCTURAL
17	STRUCTURAL
18	STRUCTURAL
19	STRUCTURAL
20	STRUCTURAL
21	STRUCTURAL
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AERATION TANKS

31	STRUCTURAL
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37	EQUIPMENT
38	EQUIPMENT

CONTRACT NO. IA - GENERAL (Con't)

SHEET NO.	DESCRIPTIONS
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40	EQUIPMENT
41	EQUIPMENT
42	EQUIPMENT
43	EQUIPMENT
44	EQUIPMENT
45	EQUIPMENT

WEST GALLERY

46	PIPING & EQUIPMENT
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CONTROL BUILDING

47	EQUIPMENT
48	EQUIPMENT

SETTLING TANKS

49	STRUCTURAL
50	STRUCTURAL
51	EQUIPMENT
52	EQUIPMENT

CHLORINE CONTACT TANK

53	STRUCTURAL
53A	STRUCTURAL

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54	STRUCTURAL
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81	ELEMENTARY DIAGRAMS
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84	ALARM SYSTEM TRANSMISSION TO BREWERTON
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86	ALARM SYSTEM - METRO
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CONTRACT NO. IB - ELECTRICAL

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CONTRACT NO. IC - HEATING & VENTILATING

SHEET NO.	DESCRIPTIONS
H-1	CONTROL BUILDING
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H-3	RAW SEWAGE PUMPING STATION
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CONTRACT NO. ID - PLUMBING

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P-6	AERATION TANKS
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P-8	PUMPING CONTROL DIAGRAM

ARCHIVE DRAWINGS
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NOTES:

- Elevations Refer to U.S.G.S Datum.
- See Sheet 4 for Graphic Scales.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT	
LIST OF DRAWINGS & GENERAL NOTES	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: 1" = 10' FILE NO.: 65-32-02F
REVISIONS:	

GENERAL

IDENTIFICATION OF EQUIPMENT, CONTROLS AND INSTRUMENTS, BY ITEM NUMBER.

- A. BASE NUMBER WITH SUFFIX - FROM FLOW SCHEMATIC, MOTOR & CONTROL SCHEDULE AND INSTRUMENT SCHEDULE.
 B. PREFIXES FOR ELECTRICAL EQUIPMENT, CONTROLS AND INSTRUMENTS - FROM TABLES I AND II.

LETTER	FIRST POSITION	SECOND POSITION	THIRD POSITION
A	ANALYSIS	ALARM	ALARM
B	BURNER FLAME	CONTROL	CONTROL (CONTROLLER)
C	CONDUCTIVITY	CONTROL	CONTROL (CONTROLLER)
D	DENSITY	-	CONTROL (CONTROLLER)
E	ELECTRIC	ELEMENT (PRIMARY)	DEVICE, DISC
F	FLOW	-	-
G	VARIABLE	GLASS	-
H	HAND (ACTUATED)	-	HIGH
I	INDICATING	INDICATING (INDICATOR)	-
K	TIME	-	-
L	LEVEL	-	LOW
N	-	-	NORMAL
P	PRESSURE	-	-
Q	-	TOTALIZING (INTEGRATOR)	TOTALIZING
R	RELAY	RECORDING OR REGULATING	-
S	SPEED	SELECTOR, SAFETY, SWITCH	SWITCH
T	TEMPERATURE	TRANSMITTER, VALVE	TRANSMITTER, VALVE
V	VISCOSITY	-	-
W	WEIGHT	WELL	-
X	SPECIAL	SPECIAL	SPECIAL

LOWER CASE LETTERS

r AFTER THE FIRST LETTER DENOTES "RATIO"
 d AFTER THE FIRST LETTER "P" OR "T" REPRESENTS PRESSURE DIFFERENTIAL OR TEMPERATURE DIFFERENTIAL
 b USED IN COMBINATION WITH UPPER CASE "C" DENOTES COMBUSTION
 e USED IN COMBINATION WITH UPPER CASE "R" DENOTES A PNEUMATIC RELAY;
 XR - ELECTRO PNEUMATIC CONVERTER
 p USED FOR pH

AM - AMMETER	PL - PLUG
AS - AMMETER SWITCH	PS - PRESSURE SWITCH
CB - CIRCUIT BREAKER	R - RESISTOR
CR - RELAY	RCP - RECEPTACLE
CT - CURRENT TRANSFORMER	RH - RHEOSTAT
F - FLASHER	S - SWITCH (GENERAL)
FS - FLOW SWITCH	SL - SOLENOID
FU - FUSE	SS - SELECTOR SWITCH
GND - GROUND	SV - SOLENOID VALVE
H - HORN, BELL, BUZZER	T - TERMINAL BOARD
HTR - HEATER	TDR - TIME DELAY RELAY
IA - ANNUNCIATOR	TFR - TRANSFORMER
JB - JUNCTION BOX	TMR - TIMER
L - LIGHT	TS - TEMPERATURE SWITCH
LS - LIMIT SWITCH	VM - VOLTMETER
M - MOTOR	WM - WATTMETER
OHM - OHMMETER	WHM - WATTHOUR METER
PB - PUSH BUTTON STATION	

ELECTRICAL

A	INCANDESCENT FIXTURE, CEILING - LETTER INDICATES TYPE NUMBER INDICATES WATTS
C	INCANDESCENT FIXTURE, WALL - LETTER INDICATES TYPE NUMBER INDICATES WATTS
G	FLUORESCENT FIXTURE - NORMAL 1' WIDE OR SMALLER LETTER INDICATES TYPE
H	FLUORESCENT FIXTURE - NORMAL 2' WIDE OR LARGER LETTER INDICATES TYPE
⊗	EXIT LIGHT, CEILING - LETTER INDICATES TYPE BARS INDICATE FACES
⊗	EXIT LIGHT, WALL - LETTER INDICATES TYPE BARS INDICATE FACES
⊕	DUPLEX CONVENIENCE OUTLET, WALL
⊙	CONVENIENCE OUTLET, FLOOR
⊕	SPECIAL PURPOSE RECEPTACLE LETTER INDICATES TYPE
T	TRANSFORMER
S	SINGLE POLE SWITCH
S ₃	THREE WAY SWITCH
S ₄	FOUR WAY SWITCH
S _K	KEY OPENED SWITCH
S _P	SWITCH AND PILOT LAMP
S _a	SWITCH - LETTER INDICATES CIRCUITING
SSS	GANGING OF DEVICES
⊕	JUNCTION BOX, CEILING
⊕	JUNCTION BOX, WALL
M	MOTOR NUMBER INDICATES ITEM ON SCHEDULE
C	LOCATION OF ONE OR MORE MOTOR CONTROL DEVICES AS SCHEDULED ON "MOTOR & CONTROL SCHEDULE" NUMBER REFERS TO MOTOR CONTROLLED.
←	HOMERUN TO PANEL - NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. EACH CIRCUIT 2# 12-1/2" C UNLESS OTHERWISE SHOWN
—	BRANCH CIRCUIT WIRING. WIRE SIZE SAME AS ASSOCIATED HOMERUN UNLESS OTHERWISE SHOWN
■	PANELBOARD
⊕	TELEPHONE TERMINAL CABINET
⊕	TELEPHONE OUTLET, WALL - OUTSIDE SYSTEM
⊕	TELEPHONE OUTLET, FLOOR - OUTSIDE SYSTEM
EM	EMERGENCY CIRCUIT, FIXTURE, DEVICE
EX	EXPLOSION PROOF DEVICE

SYMBOLS FOR:
 ONE LINE WIRING DIAGRAMS
 ELEMENTARY WIRING DIAGRAMS AND
 CONNECTION WIRING DIAGRAMS
 CONFORM TO USASI AND NEMA
 STANDARDS

INSTRUMENTATION

⊕	ORIFICE PLATE
⊕	VENTURI TUBE OR FLOW NOZZLE
⊕	ELECTRO MAGNETIC FLOW METER
⊕	ELECTRICAL SIGNAL
⊕	PNEUMATIC SIGNAL
⊕	ENCLOSURE FOR INSTRUMENT IDENTIFICATION
⊕	BASIC SYMBOL FOR INSTRUMENT IDENTIFICATION
⊕	INSTRUMENT MOUNTED ON FRONT OF PANEL
⊕	INSTRUMENT MOUNTED ON BACK OF PANEL
⊕	PUMP OR BLOWER
⊕	WEIR
⊕	FLUME

HEATING AND VENTILATING

⊕	DUCT SECTION - SUPPLY
⊕	DUCT SECTION - RETURN - EXHAUST
⊕	ROUND DUCT
⊕	FLAT - OVAL DUCT
⊕	A" - DIMENSION SHOWN; B" - OTHER
⊕	INCLINED DROP IN DUCT
⊕	INCLINED RISE IN DUCT
⊕	INTERNAL ACOUSTICAL LINING
⊕	TRANSITION TO
⊕	FLEXIBLE DUCT
⊕	FLEXIBLE CONNECTION
⊕	HEATING COIL
⊕	DUCT ACCESS DOOR
⊕	TURNING VANES
⊕	PATTERN OF BLOW
⊕	DAMPER
W/W ENCL	WALL TO WALL RADIATOR ENCLOSURE
FC	FAN CONVECTOR
UH	UNIT HEATER
FCU	FAN AND COIL UNIT

PIPING AND PLUMBING

VALVES

⊕	GATE VALVE
⊕	GLOBE VALVE
⊕	PLUG VALVE - NON LUBRICATED
⊕	PLUG VALVE - LUBRICATED
⊕	PLUG VALVE OPERATED BY HYDRAULIC CYLINDER
⊕	STOP COCK
⊕	DIAPHRAGM VALVE MANUALLY OPERATED
⊕	CONTROL VALVE (DIAPHRAGM BODY) PNEUMATICALLY OPERATED
⊕	CHECK VALVE (DIRECTION OF FLOW)
⊕	BUTTERFLY VALVE
⊕	VALVE WITH HOSE BIBB
⊕	CONTROL VALVE (BALL PATTERN) PNEUMATICALLY OPERATED
⊕	FLOW CONTROL VALVE
⊕	SOLENOID OPERATED VALVE

FITTINGS, ETC.

⊕	CAP
⊕	PLUG
⊕	REDUCER
⊕	UNION
⊕	FLANGE
⊕	ELBOW DOWN
⊕	ELBOW UP
⊕	RUNNING TRAP
⊕	"P" TRAP
⊕	STRAINER - WYE TYPE
⊕	STRAINER - VERTICAL BASKET TYPE
⊕	VENT
⊕	FLOOR DRAIN
⊕	CATCH BASIN
⊕	MANHOLE
⊕	ANCHOR
⊕	GUIDE
⊕	FLEXIBLE COUPLING
⊕	DIRECTION OF FLOW
⊕	SLOPING PIPE LINE: LINE SIZE (16") & DIRECTION; SLOPE (0.002' PER 1 FOOT)

PIPE LINE DESIGNATION

⊕	AIR
⊕	ANTIFREEZE
⊕	CHLORINE
⊕	DRAIN
⊕	FLOOR DRAIN
⊕	ROOF DRAIN
⊕	FUEL OIL
⊕	GAS
⊕	FORCE MAIN
⊕	SANITARY SEWER
⊕	STORM SEWER - DRAIN
⊕	VENT
⊕	COLD WATER (POTABLE)
⊕	HOT WATER (POTABLE)
⊕	EFFLUENT WATER
⊕	PLANT WATER
⊕	WATER (POTABLE)

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INFORMATION SHOWN ON THIS DRAWING APPLIES TO ALL CONTRACT DRAWINGS FOR THIS PROJECT UNLESS OTHERWISE NOTED ON INDIVIDUAL DRAWING

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
 BREWERTON WATER POLLUTION CONTROL PLANT

SCHEDULE OF SYMBOLS

TOWN OF CICERO ONONDAGA CO., N.Y.

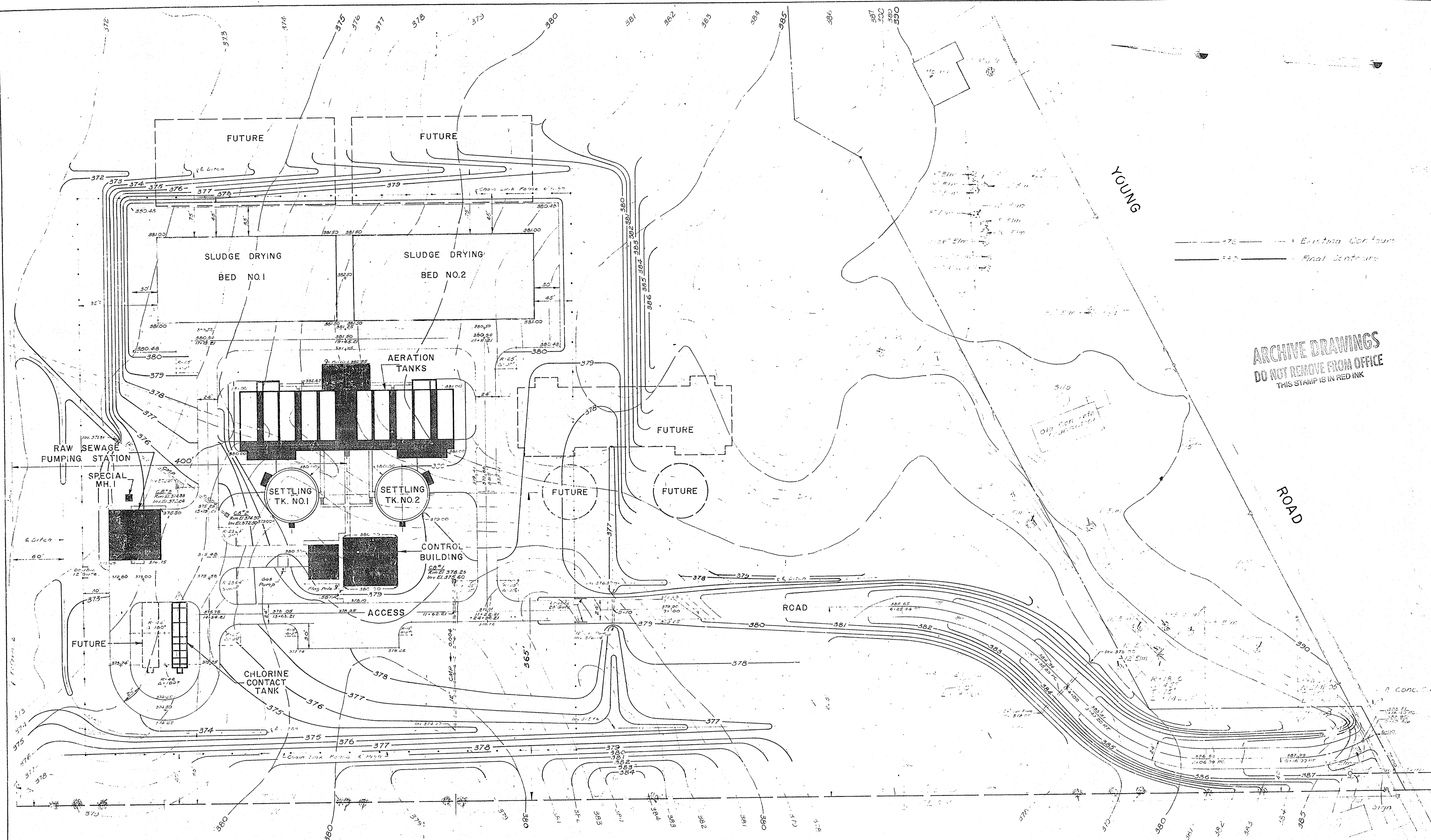
BARTON, BROWN, CLYDE & LOGUIDICE
 CONSULTING ENGINEERS & LAND SURVEYORS
 NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975

SCALE:

FILE NO.: 55-32-03F

REVISIONS



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SITE PLAN
Scale: 1" = 50'

REVISIONS (Empty grid for revision tracking)	ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT	
	SITE PLAN	
	TOWN OF CICERO BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	ONONDAGA CO., N. Y. DATE: FEBRUARY 1, 1975 SCALE: AS SHOWN FILE NO.: 55-2-44
	3	

IN CHARGE OF F.A.L.
DESIGNED BY J.C.M.
DRAWN BY P.N.K.
CHECKED BY

RIVER

ONEIDA

COMSTOCK

TOWN TOWN

ROAD

INFLUENT

SEWER

RAW SEWAGE PUMP STATION

SPECIAL MH #1

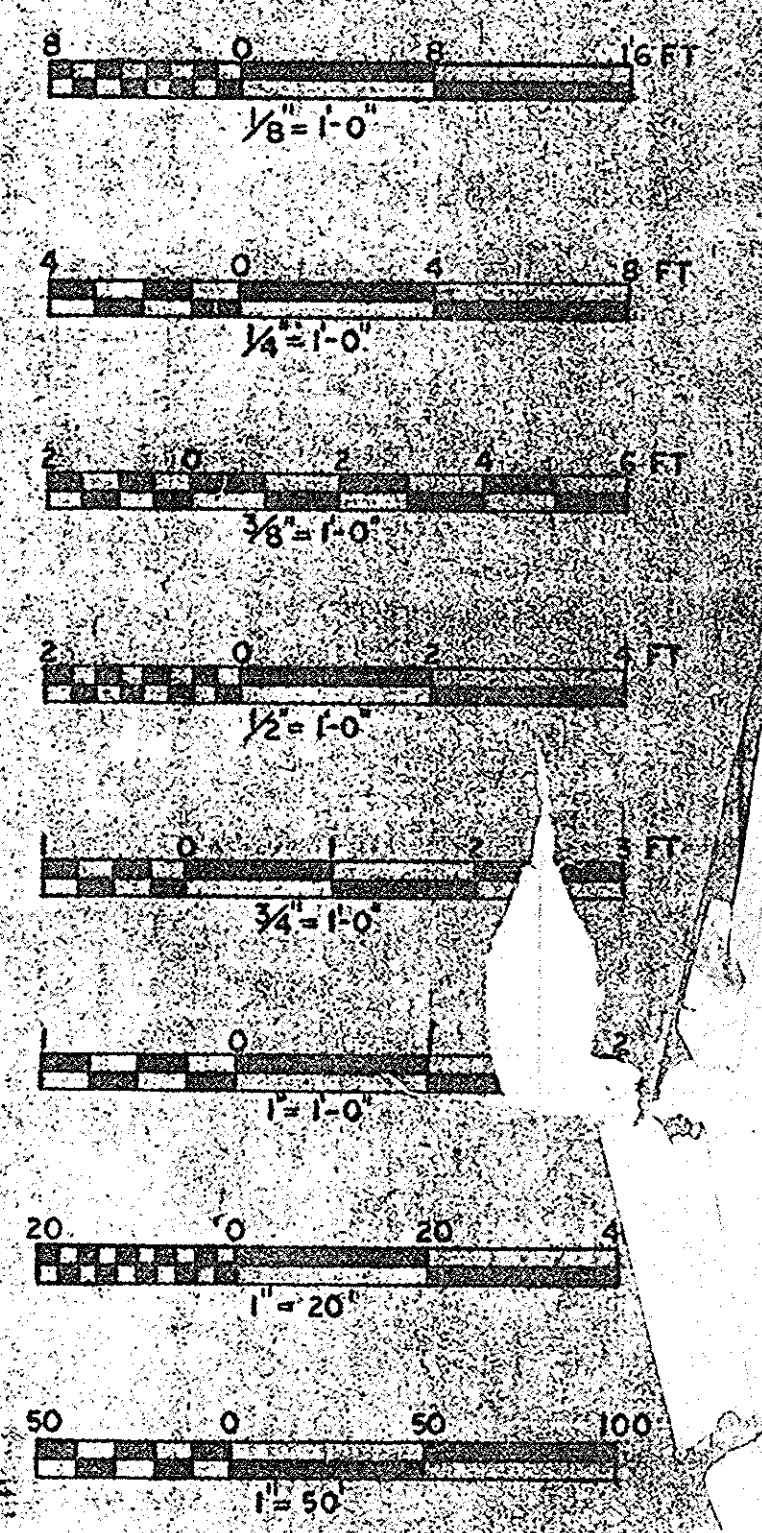
FUTURE

CHLORINE CONTACT TANK

SLUDGE DRYING BED NO. 1

AERATION TANKS

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GRAPHIC SCALES

NOTE:
SEE ALSO SHEET IIB

SITE PLAN
Scale: 1" = 50'

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
SITE PLAN	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO: 55-32-C

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: R.N.K.
CHECKED BY: [Signature]

Provide Pipeline Marker
At Sta. 0+85. (See Specs.)

Water Level: 369.66
(9-17-68)

Clean Out #3
Sta. 1+00

Sheeting & Bracing to be
left in place between Sta.
1+85 and Sta. 2+15

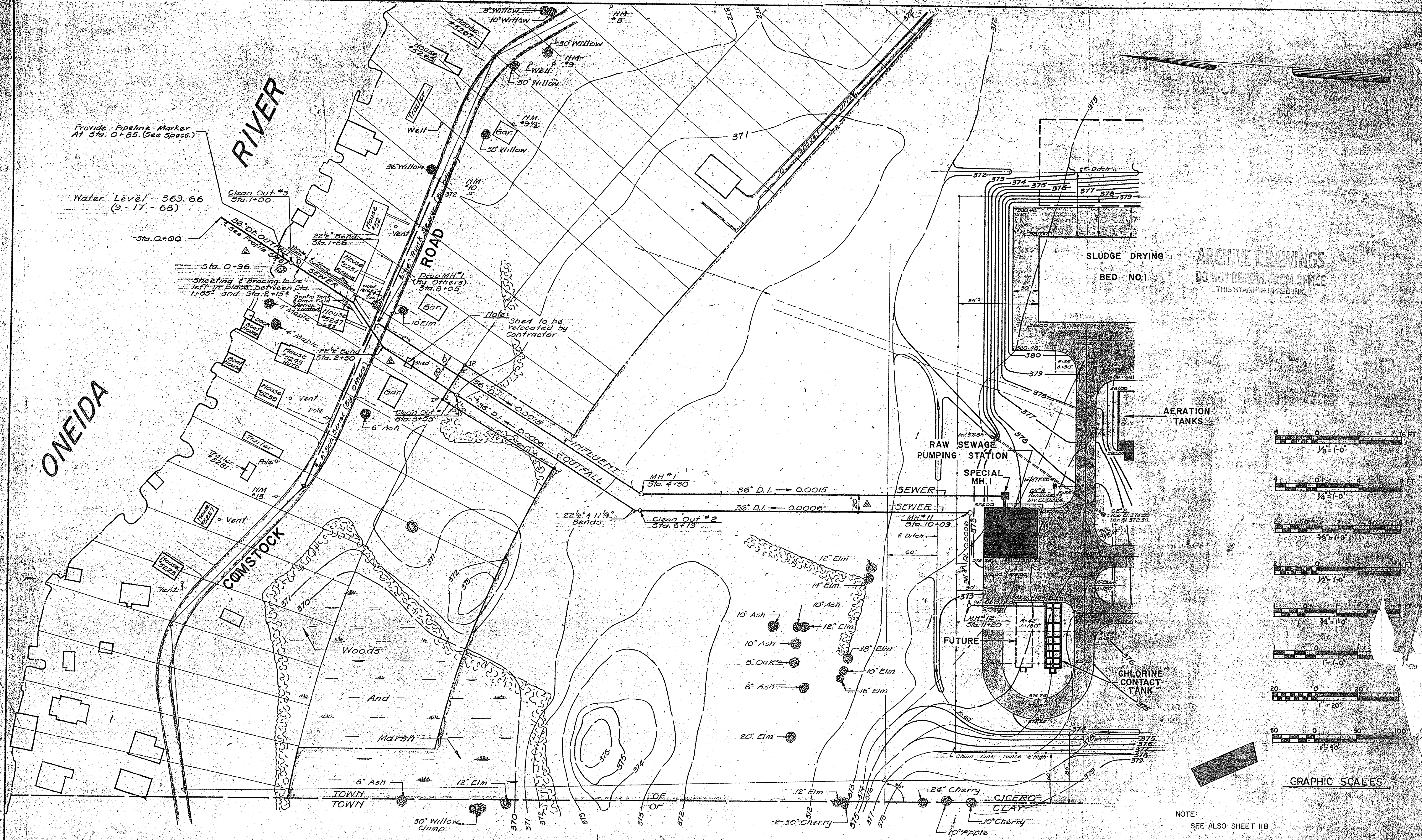
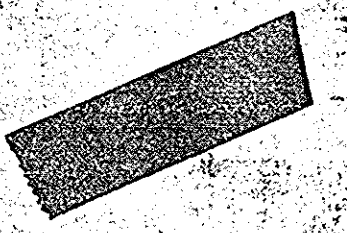
22" Bend
Sta. 1+86

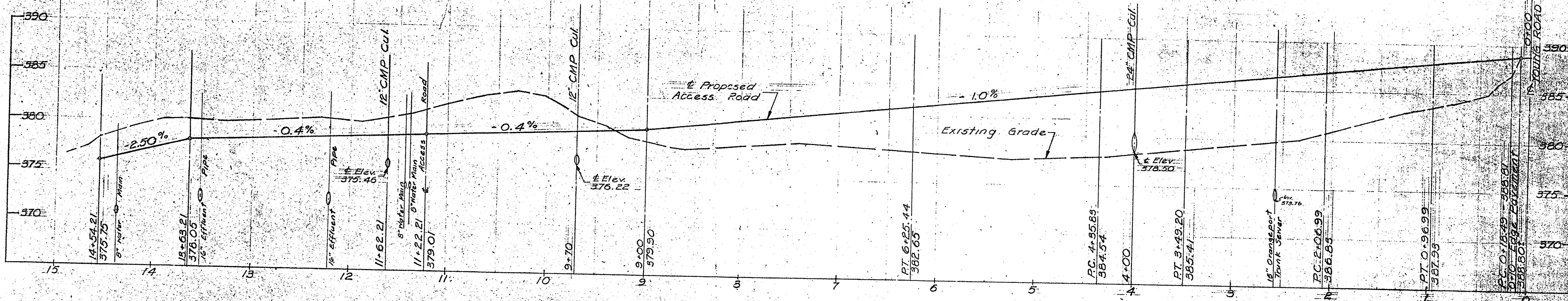
22" Bend
Sta. 2+50

Clean Out #1
Sta. 3+55

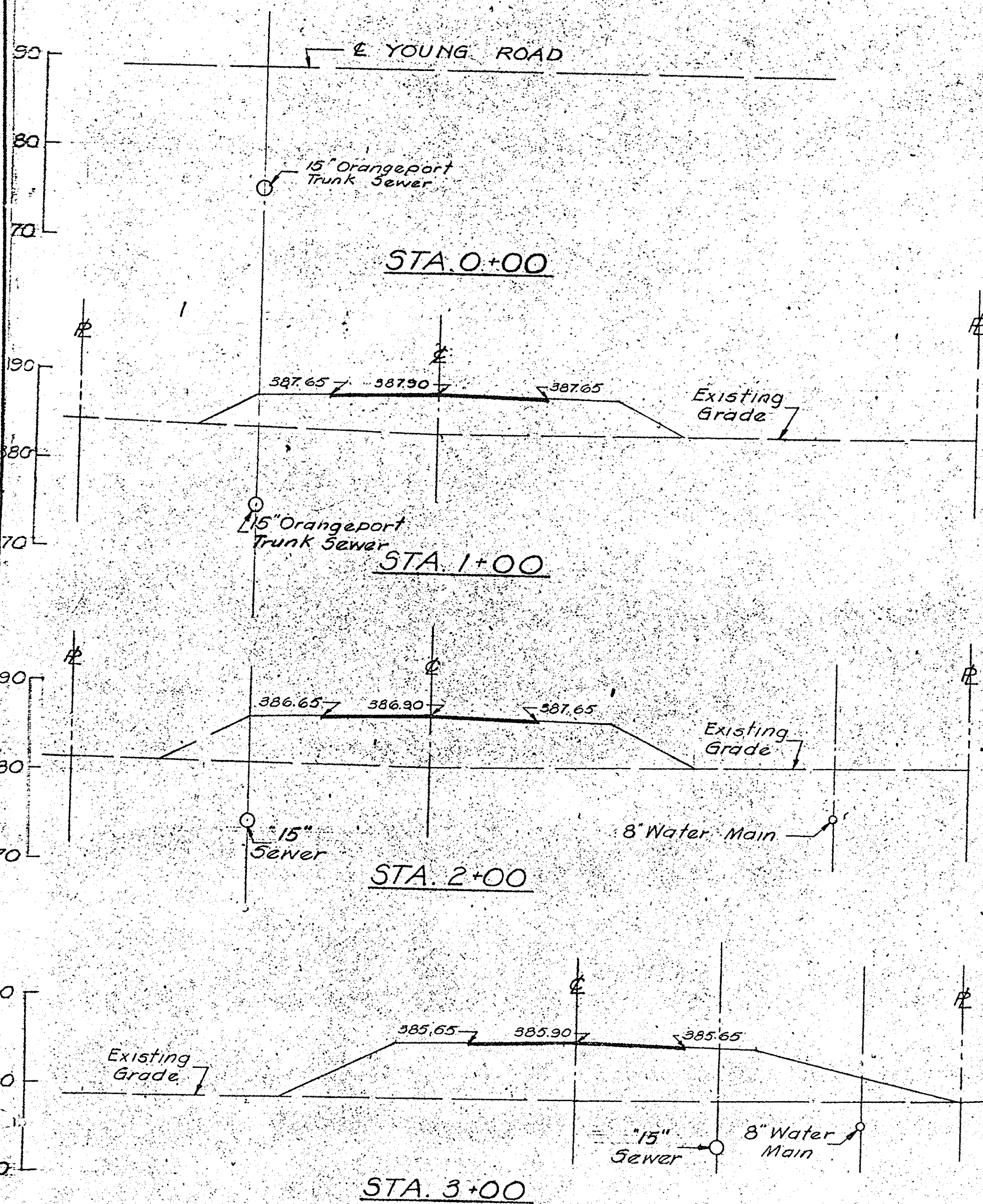
Clean Out #2
Sta. 6+13

Note: Shed to be
relocated by
Contractor

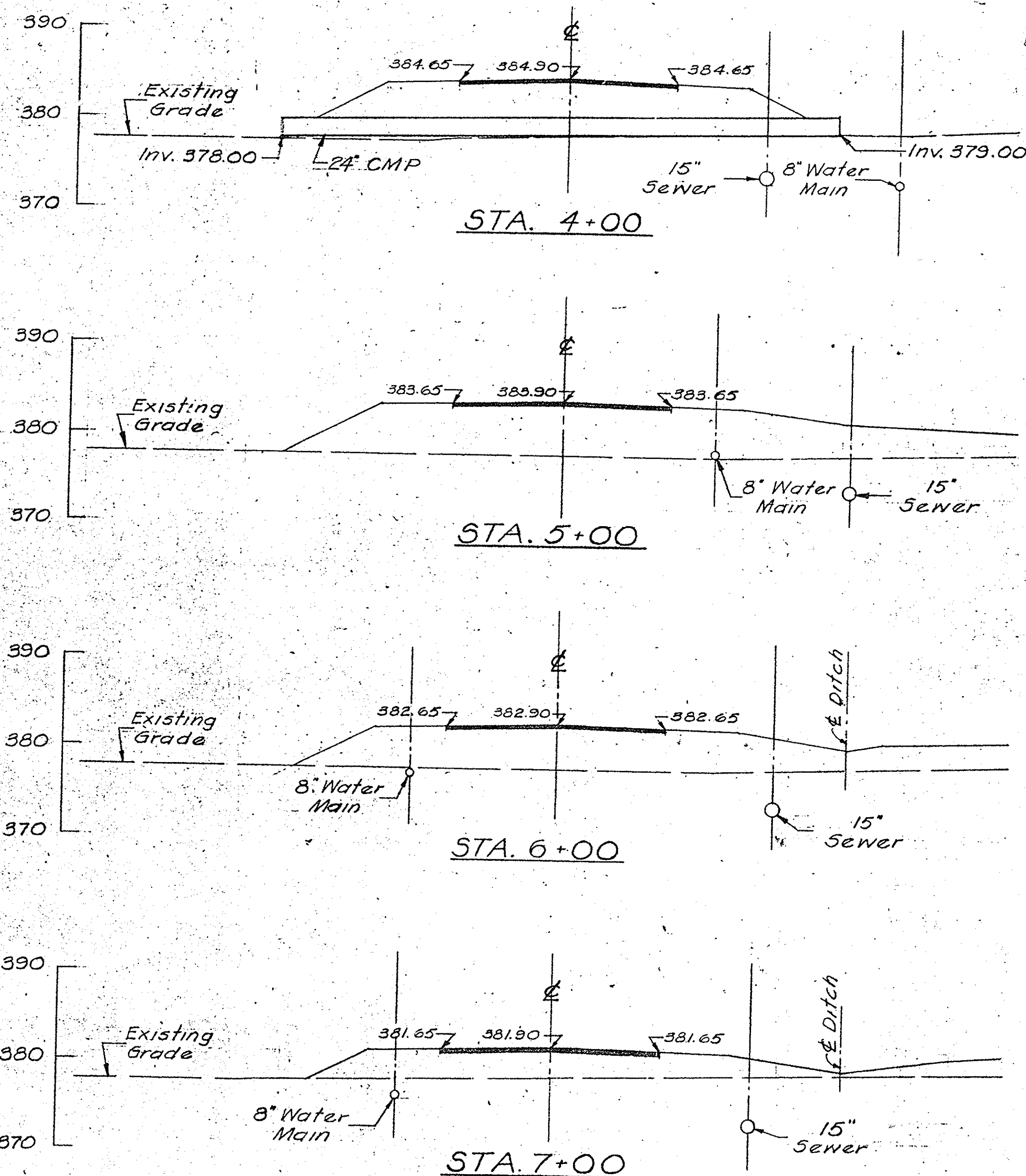




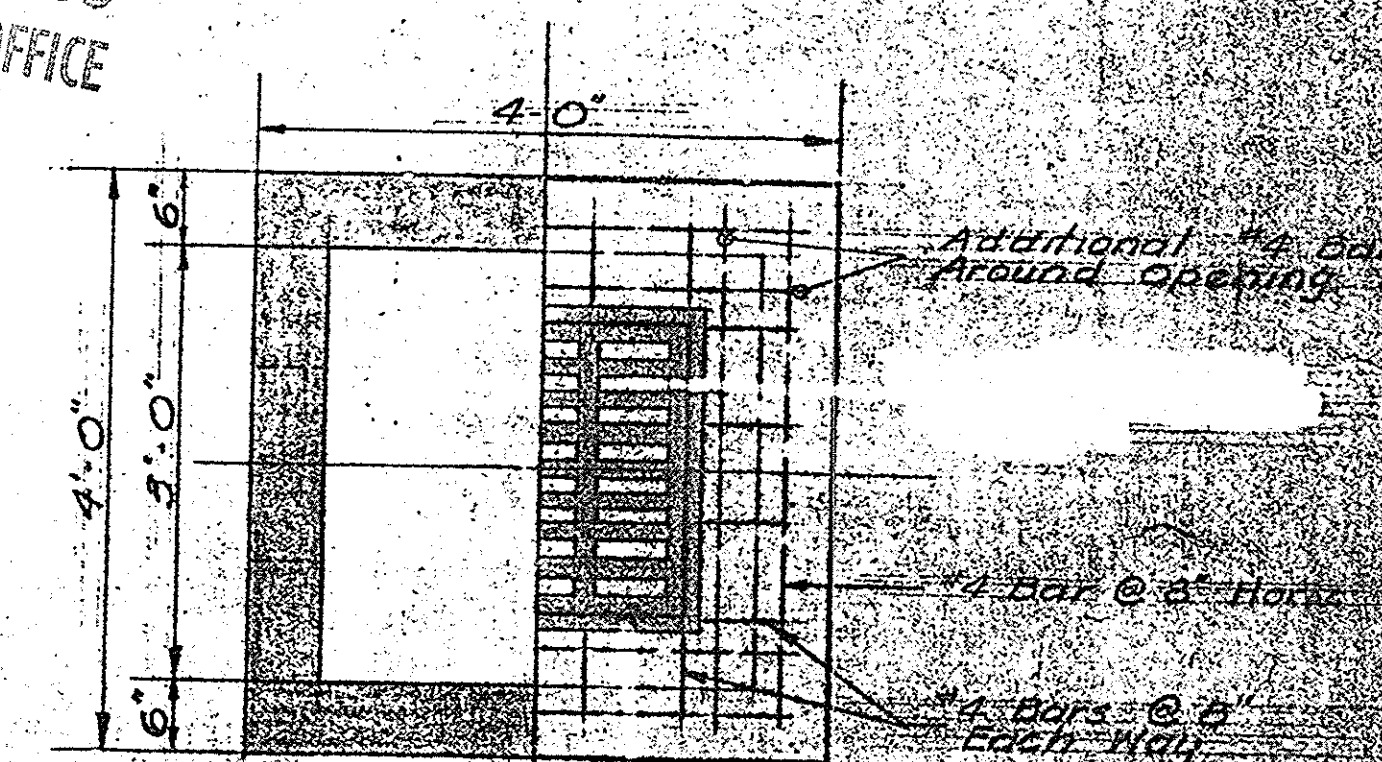
**PROFILE
ACCESS ROAD**
Scale: 1" = 50' Horiz.
1" = 5' Vert.



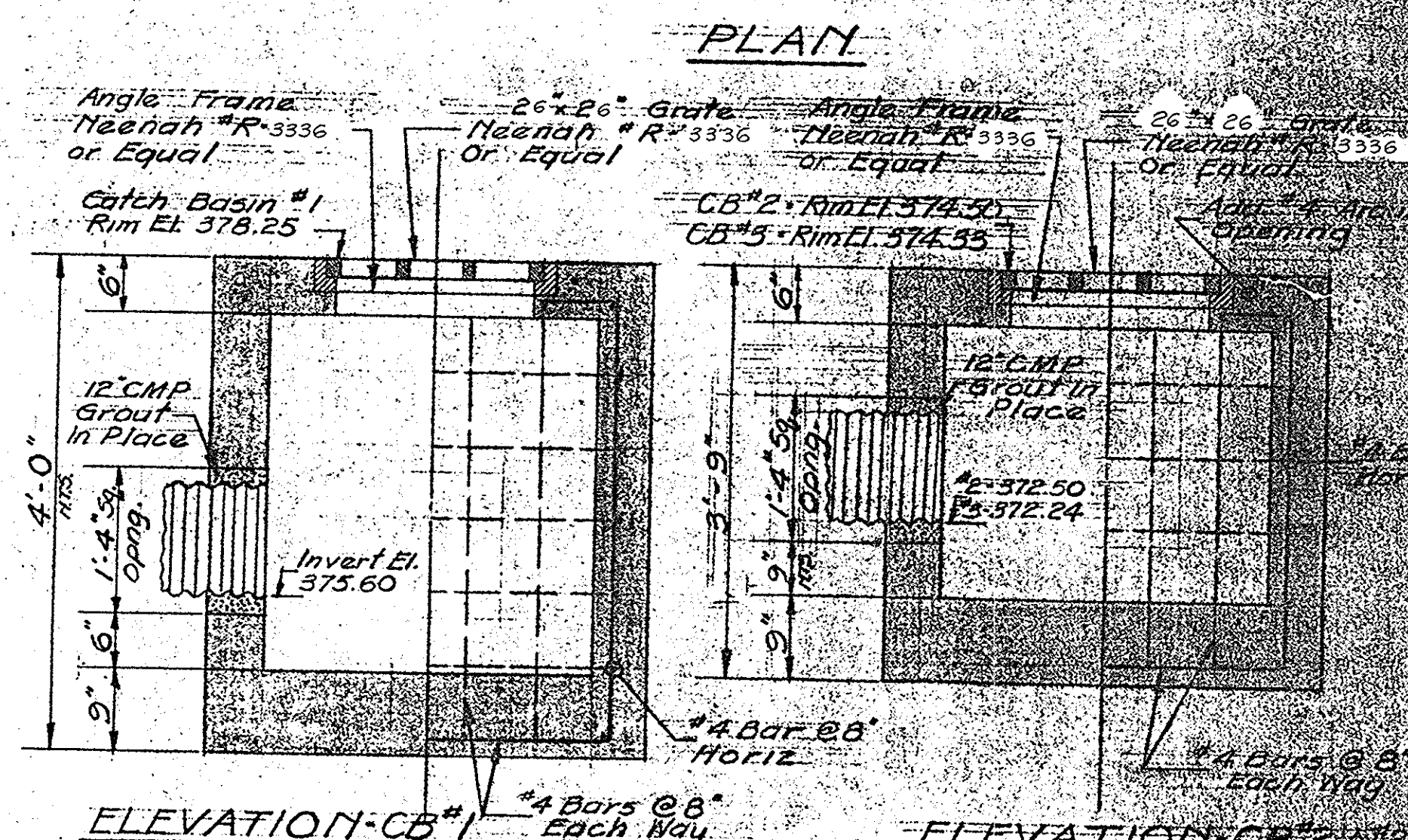
**CROSS SECTIONS
ACCESS ROAD**
Scale: 1" = 10' Horiz. & Vert.



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NOTE:
Cut reinforcement
around pipe opening



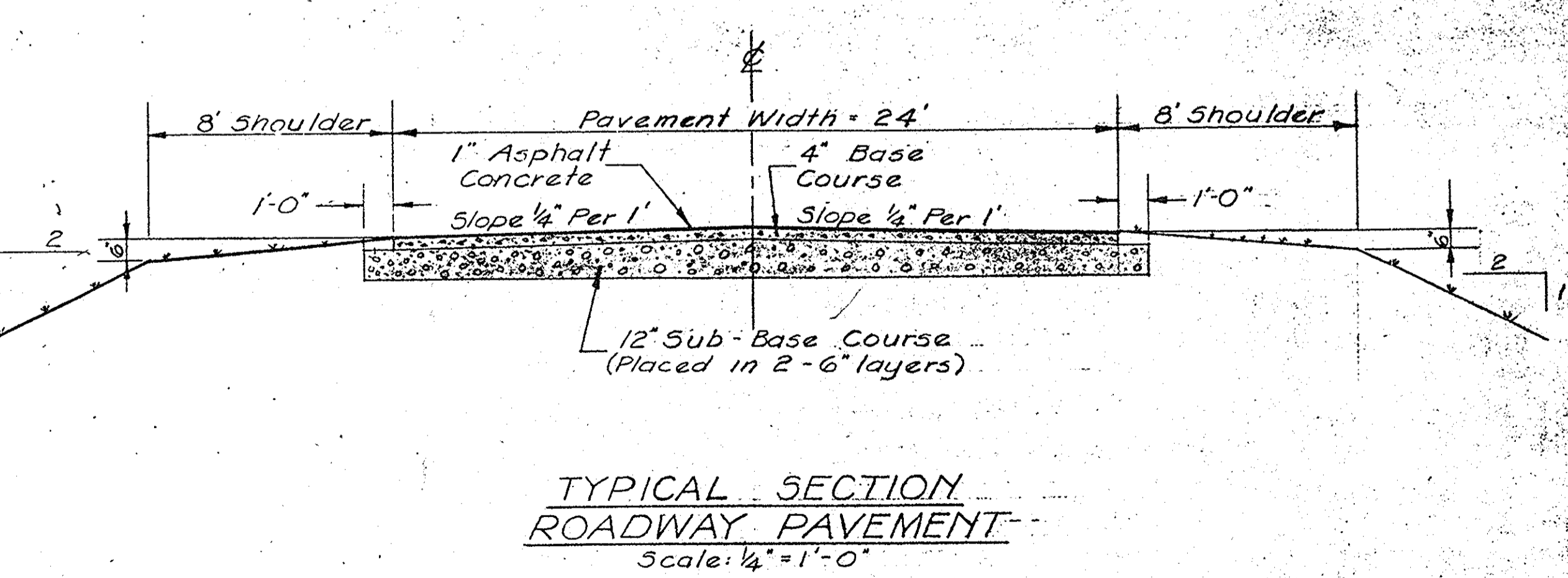
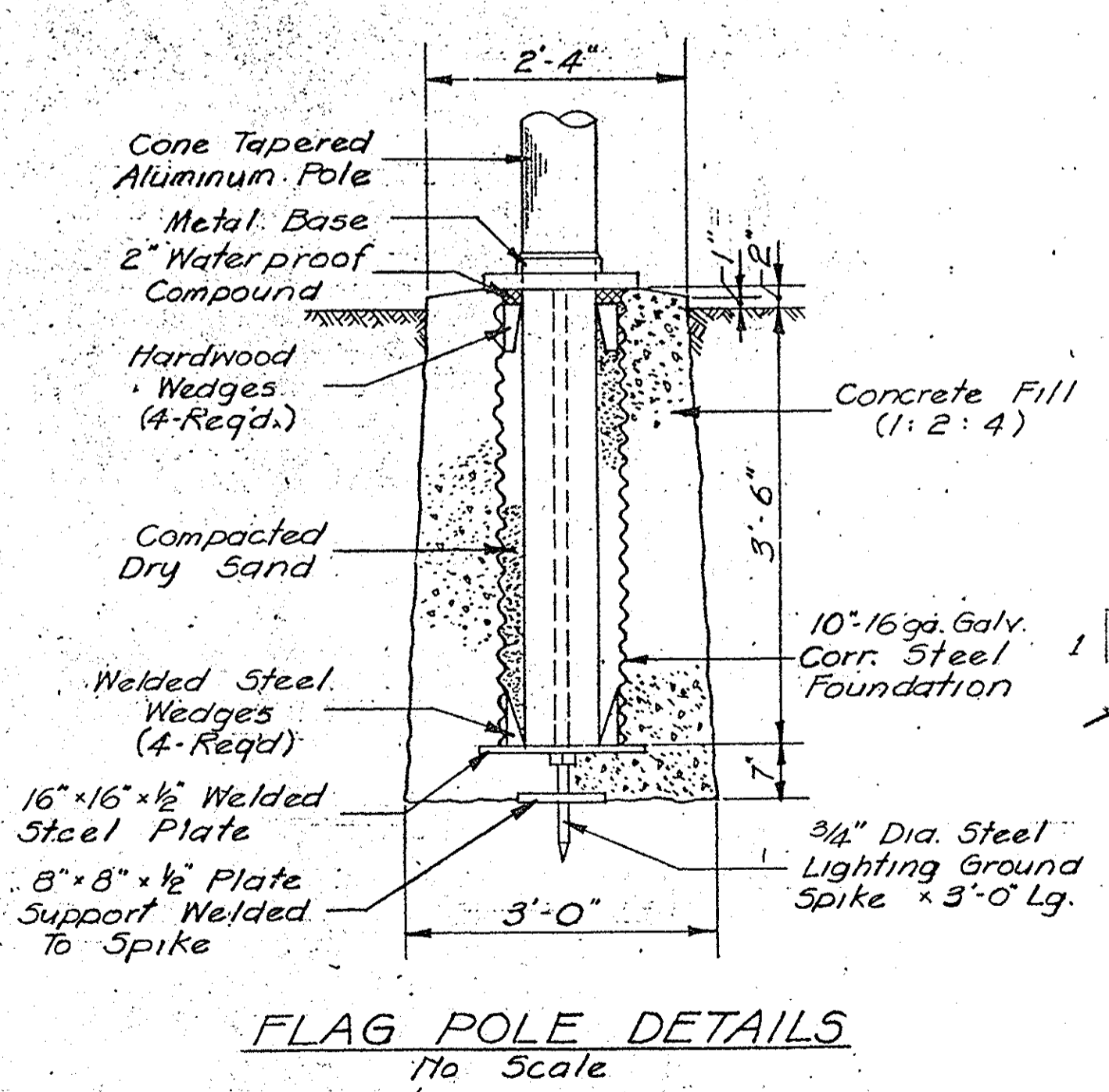
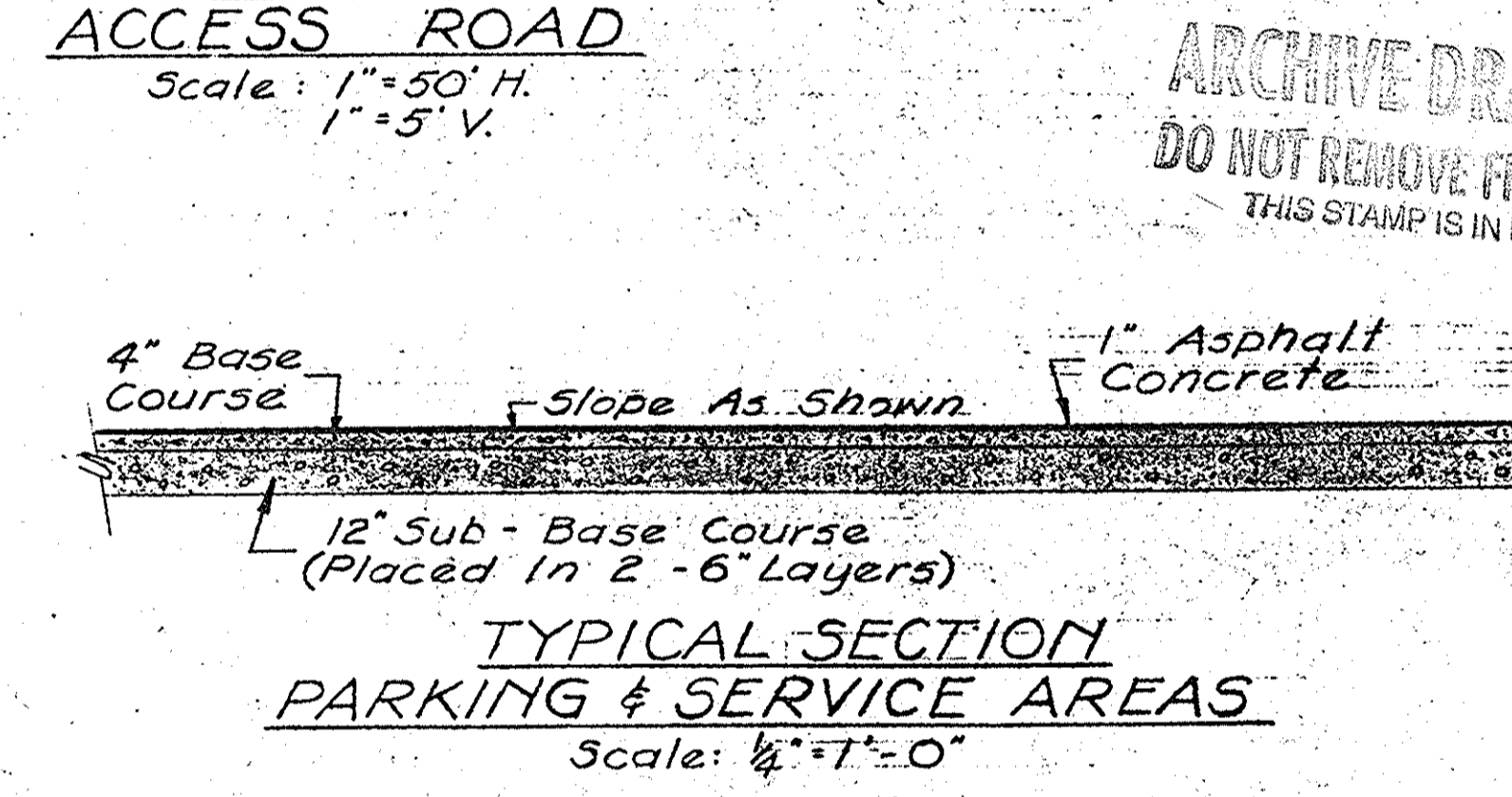
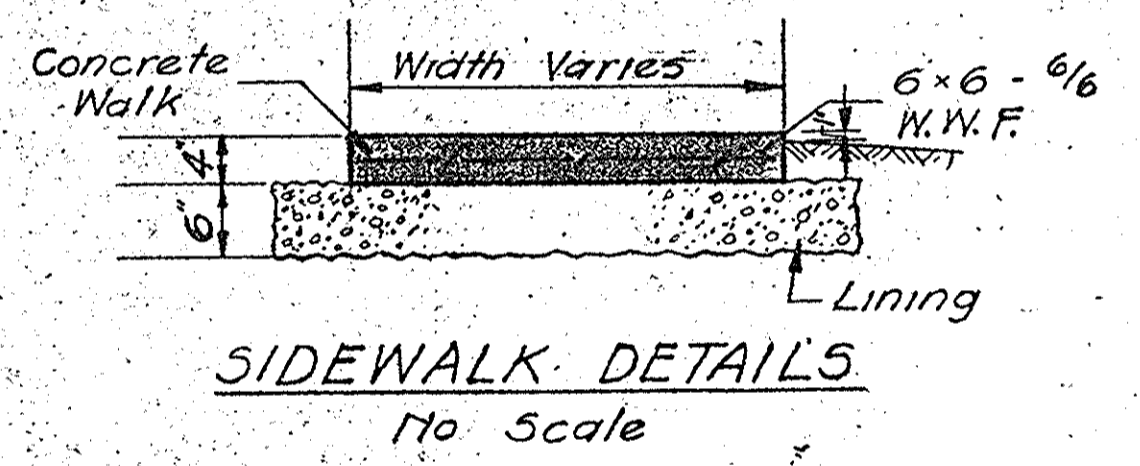
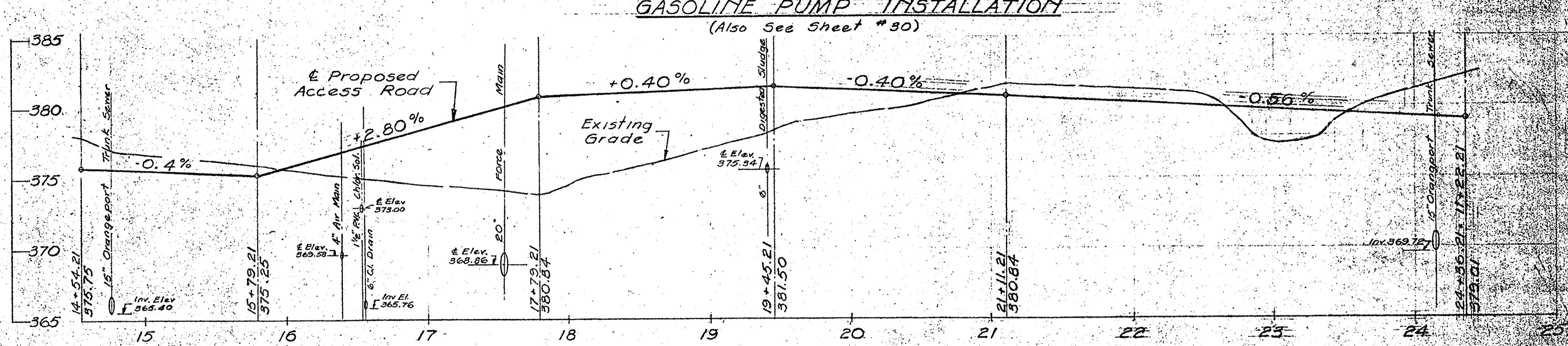
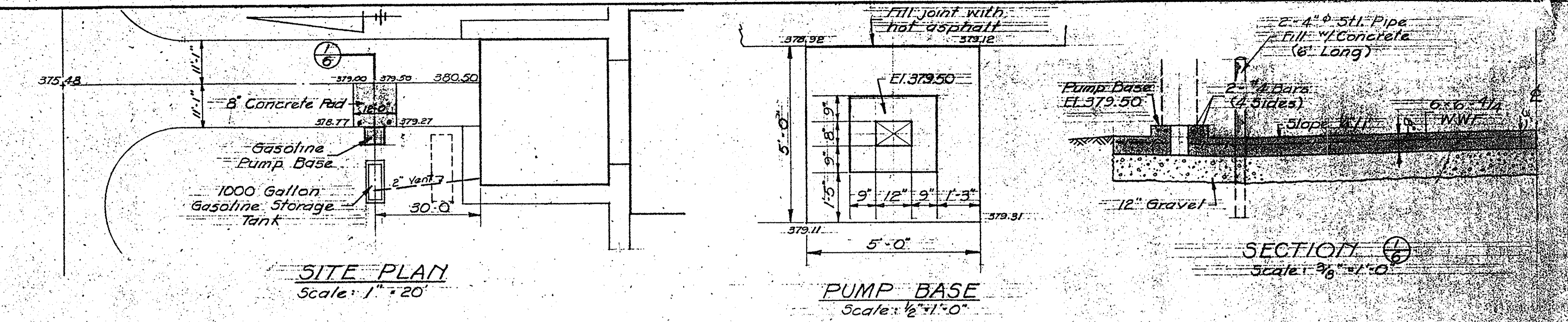
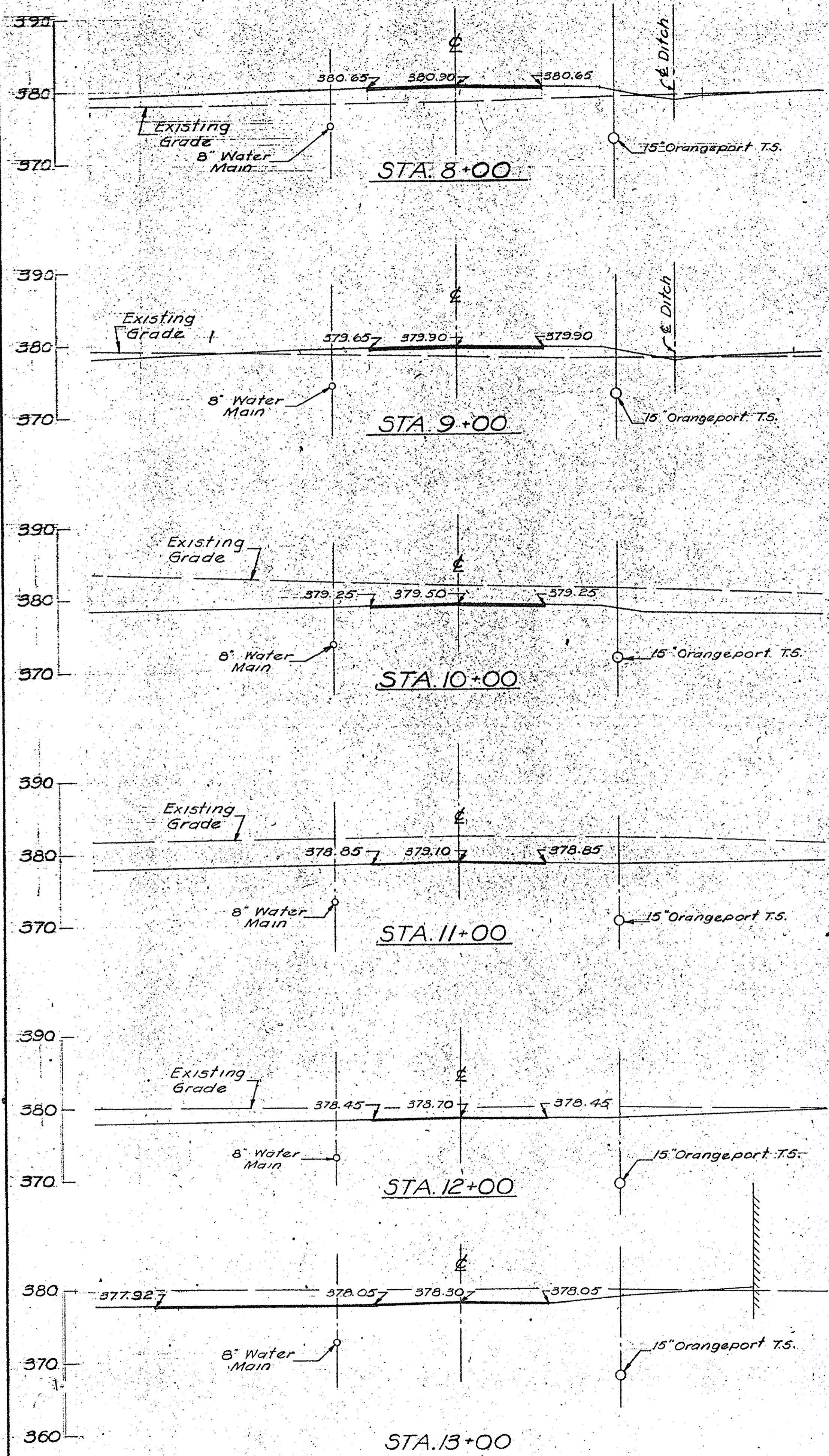
CATCH BASIN DETAILS
Scale: 3/4" = 1'-0"

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION
CONTROL PLANT
**ROADWAY AND
DRAINAGE DETAILS**
TOWN OF CICERO ONONDAGA CO., N.Y.

BARTON, BROWN, CLYDE & LOGUICICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK
DATE: FEBRUARY 1975
SCALE: AS SHOWN

DATE OF F.A.L.
BY: D.C.M.
BY: R.M.K.
ED BY: [Signature]

REVISIONS



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IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: R.V.K.
CHECKED BY: N.C.M.

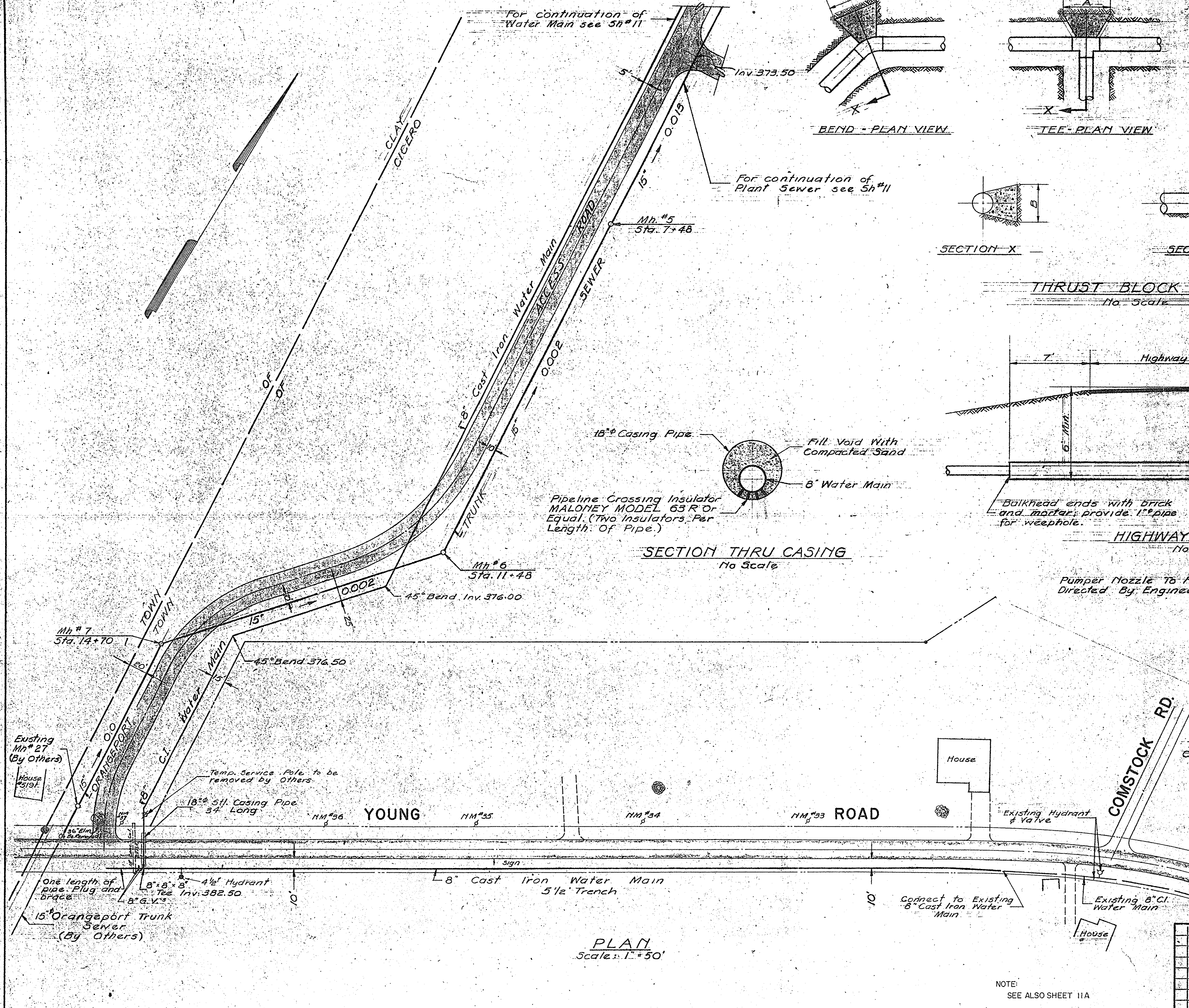
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT

ROADWAY DETAILS

TOWN OF CICERO ONONDAGA CO., N.Y.

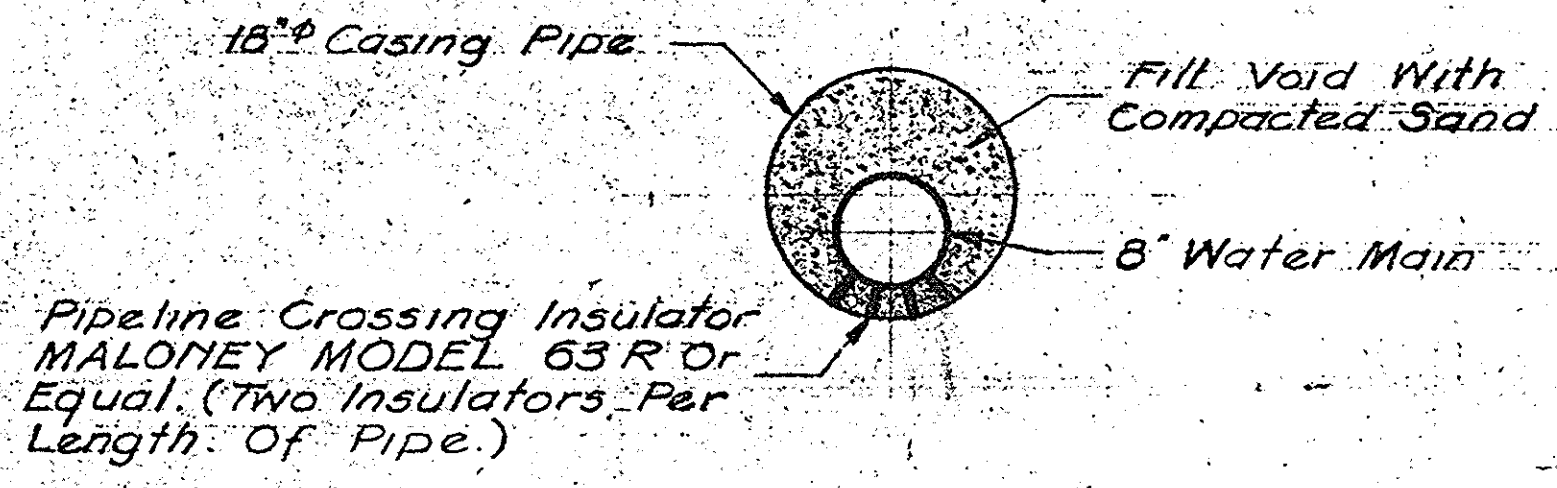
BARTON, BROWN, CLYDE & LOGUIDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 55-32-07F

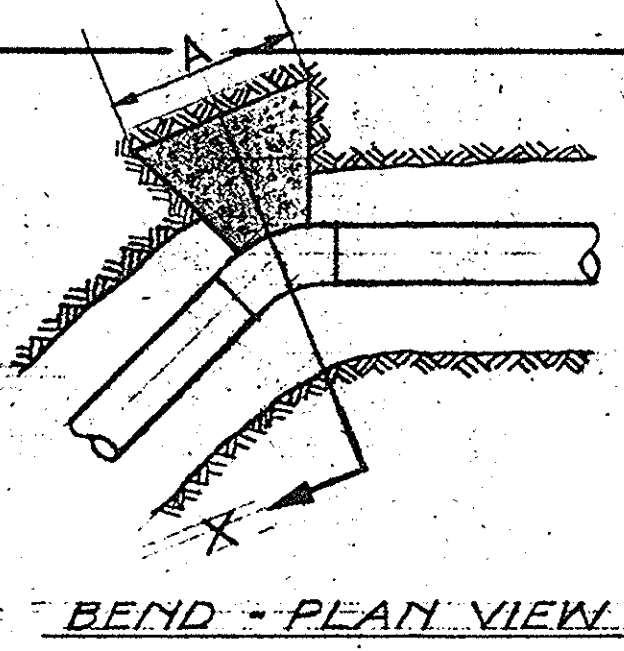


For Continuation of Water Main see 5h #11

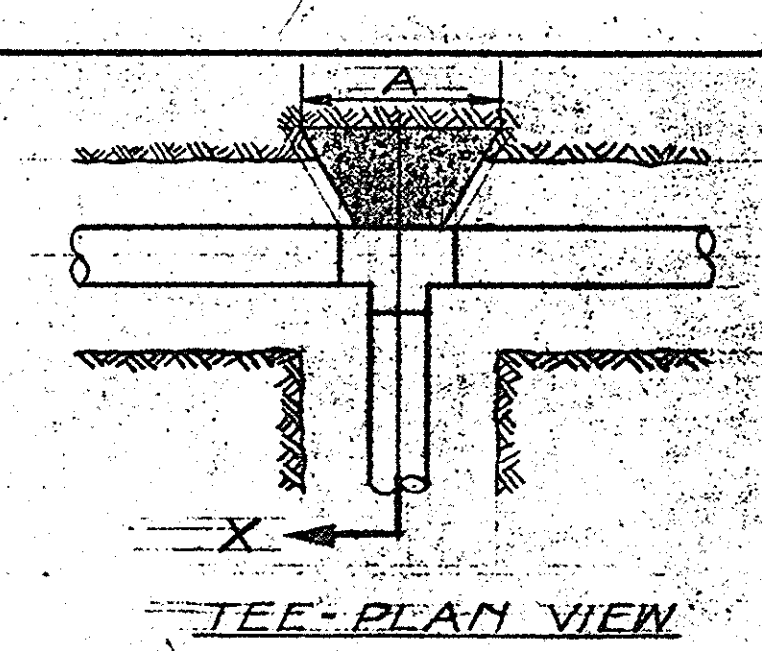
For continuation of Plant Sewer see 5h #11



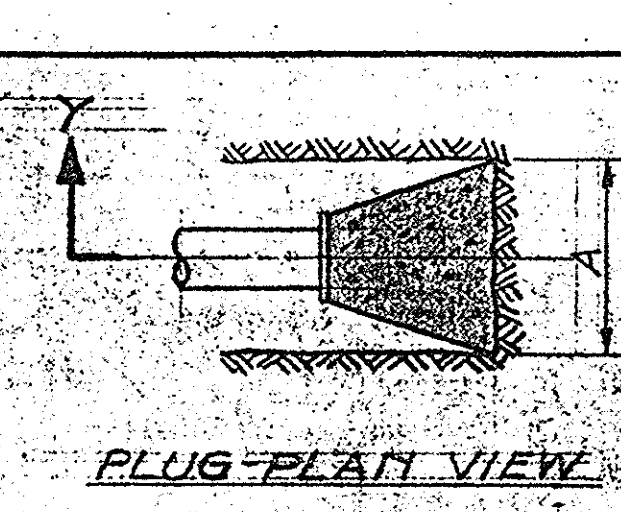
SECTION THRU CASING
No Scale



BEND - PLAN VIEW

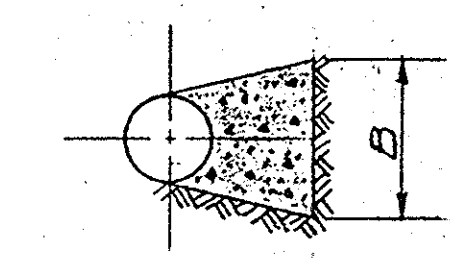


TEE - PLAN VIEW

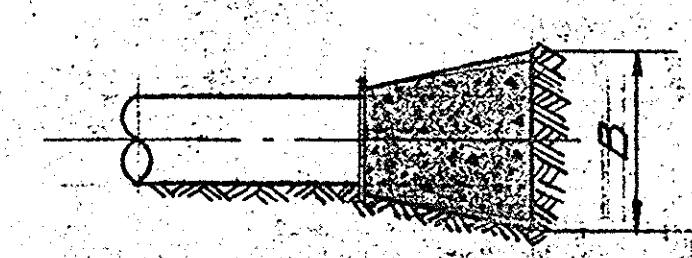


PLUG - PLAN VIEW

PIPE SIZE	DEGREE OF BEND	DIMENSIONS	
		A	B
8"	45°	1 1/2"	1 1/2"
8"	90°	2"	2"
8"	135°	2"	2"
8"	180°	2"	2"
6"	45°	1 1/2"	1 1/2"
6"	90°	1 1/2"	1 1/2"
6"	135°	1 1/2"	1 1/2"
6"	180°	1 1/2"	1 1/2"

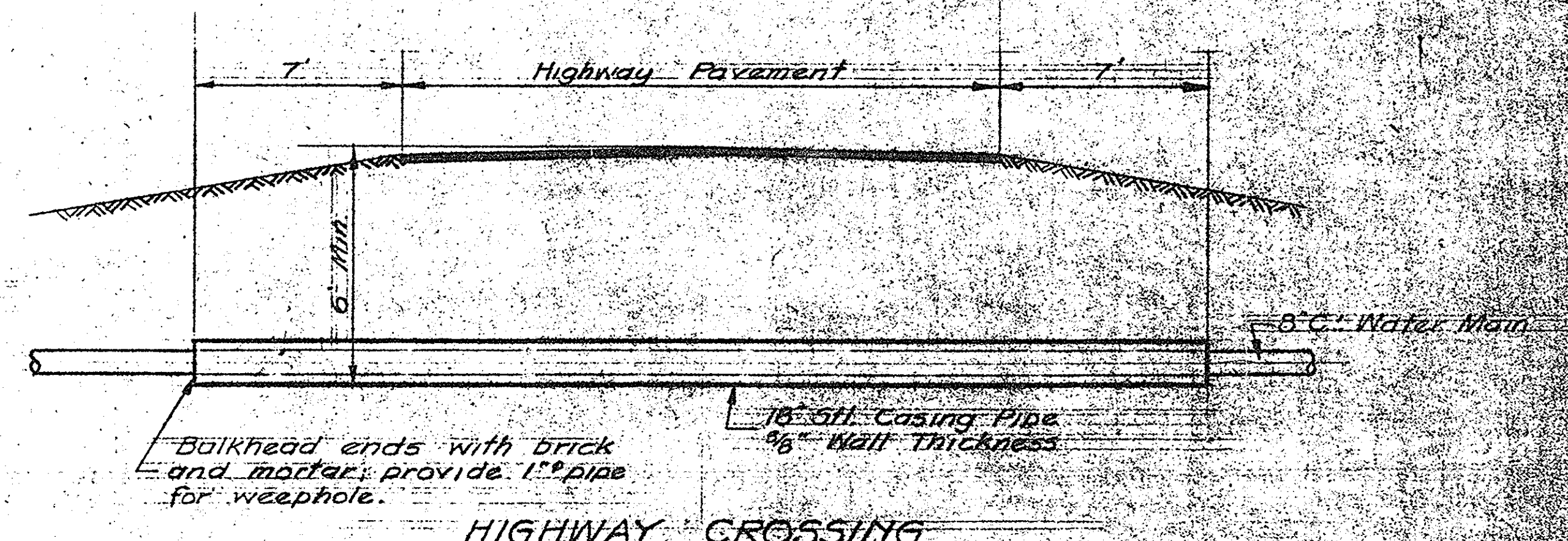


SECTION X



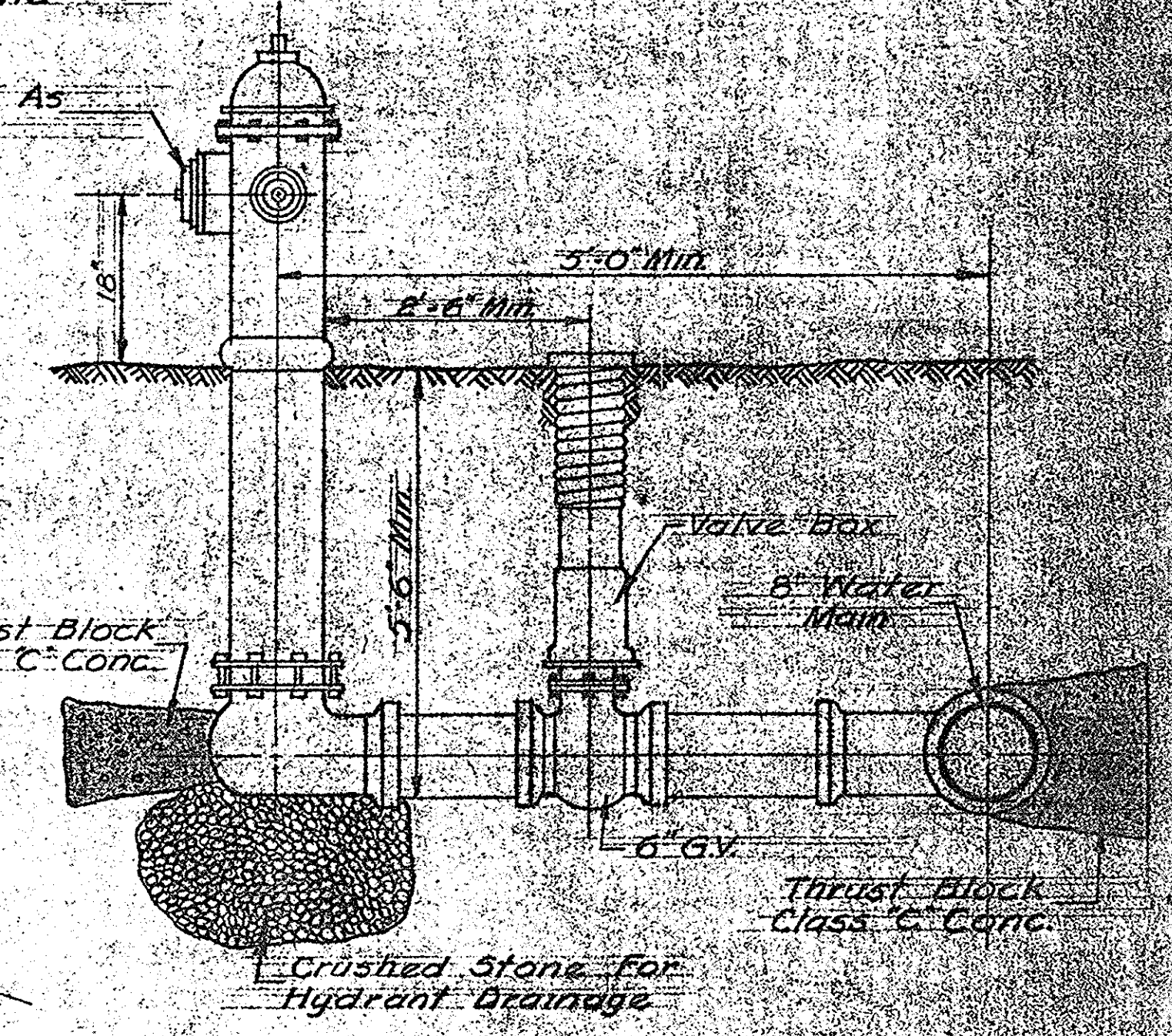
SECTION Y

THRUST BLOCK DETAILS
No Scale



HIGHWAY CROSSING
No Scale

Pumper Nozzle To Face As Directed By Engineer

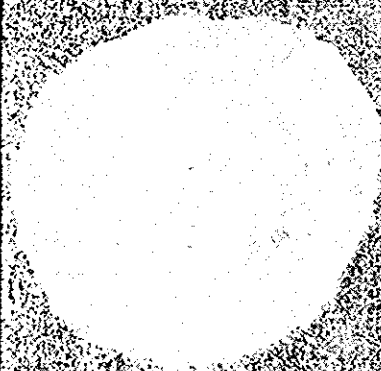


HYDRANT DETAIL
No Scale

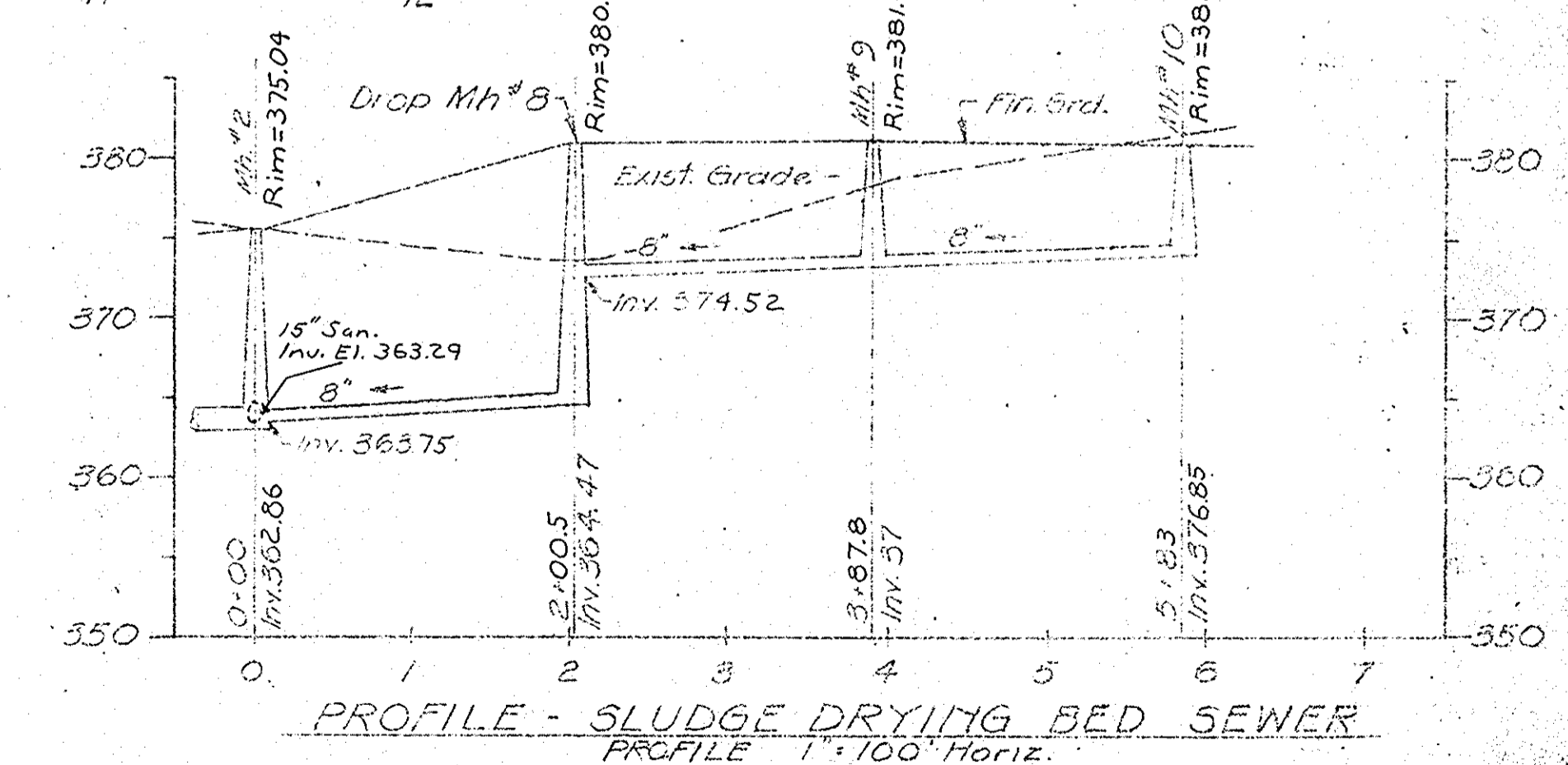
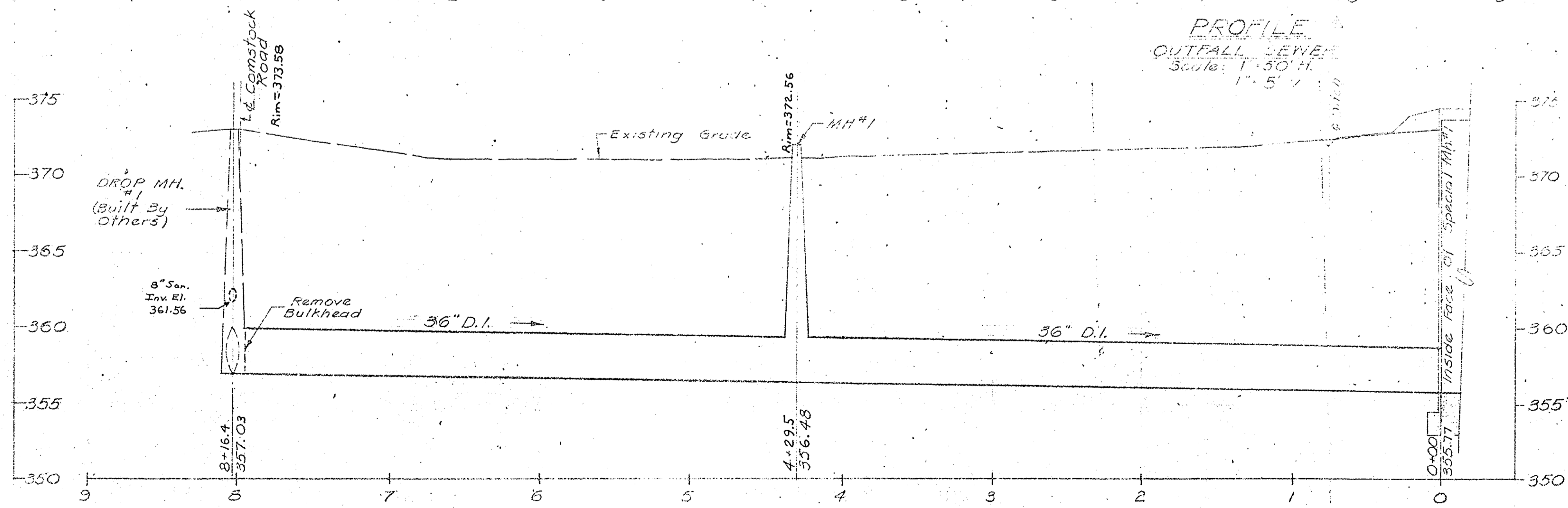
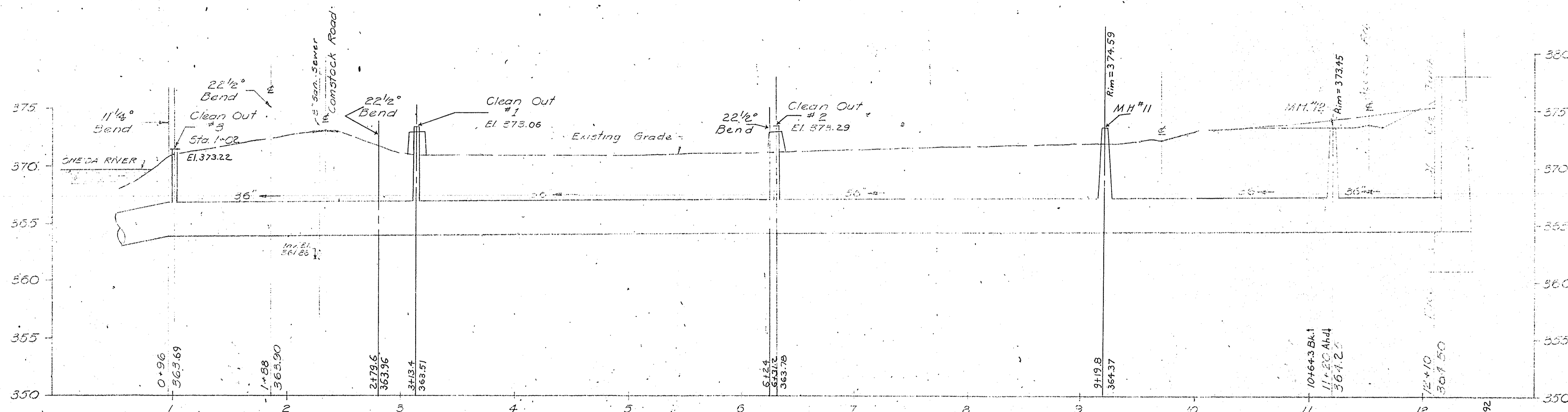
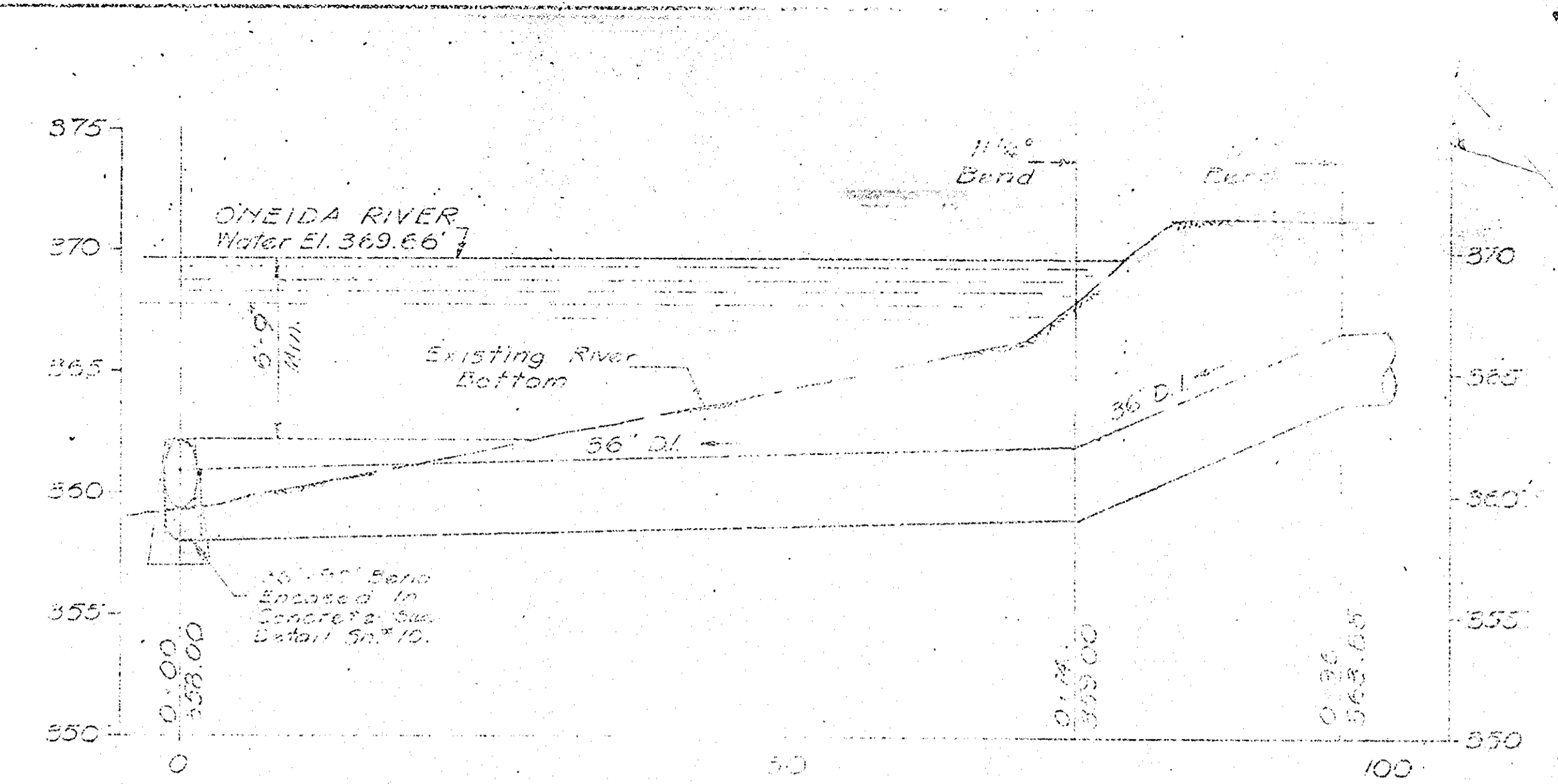
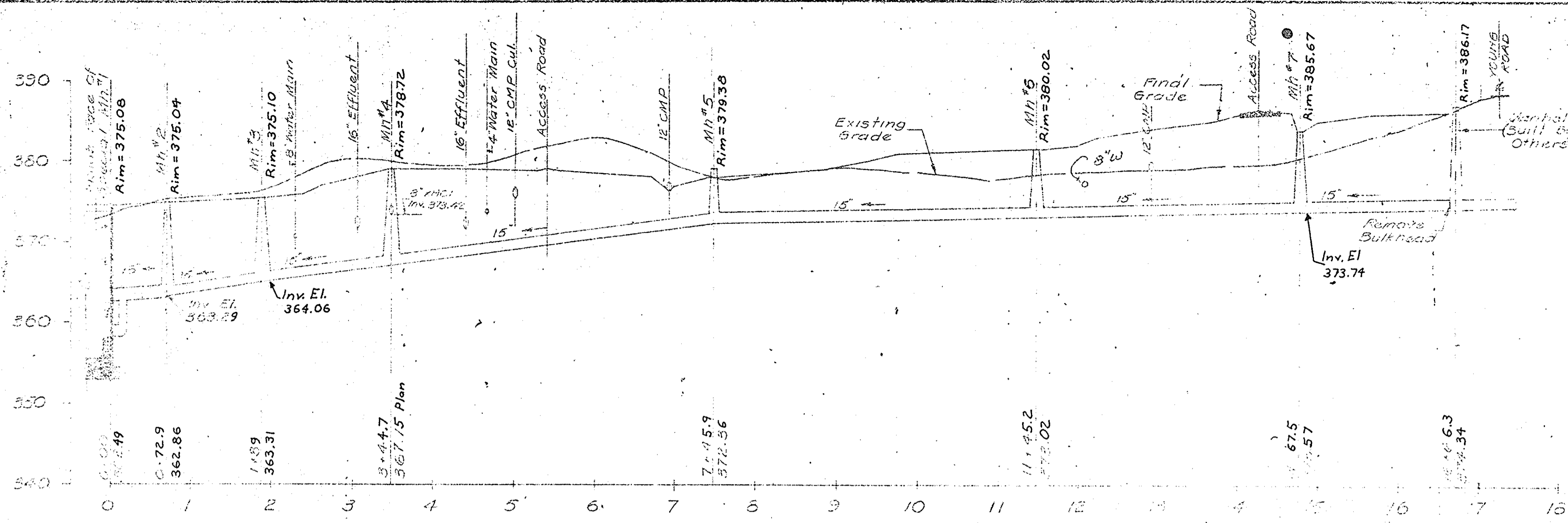
PLAN
Scale: 1" = 50'

NOTE:
SEE ALSO SHEET 11A

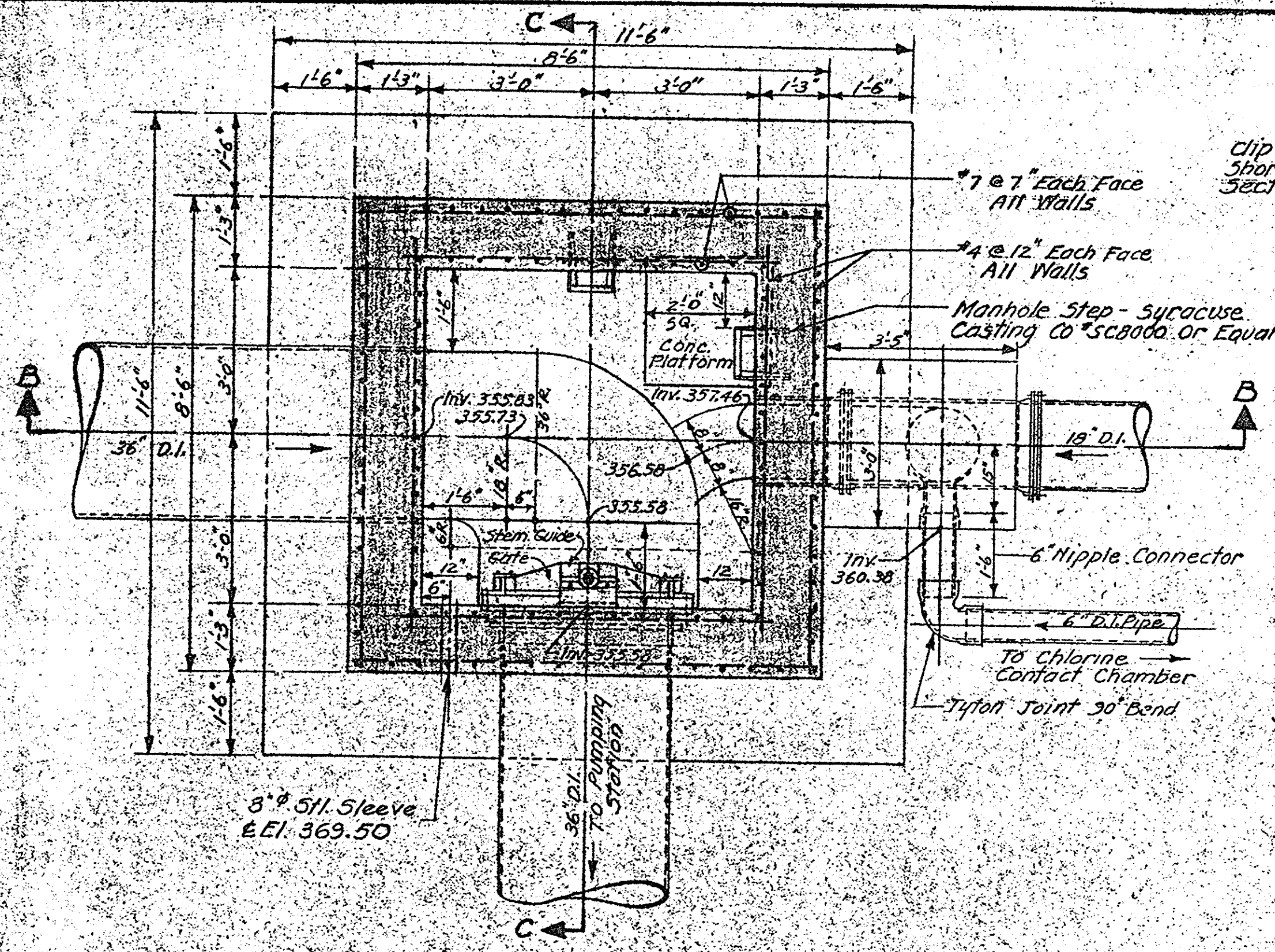
IN CHARGE OF F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: J.M.K.
CHECKED BY: J.M.K.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION		
BREWERTON WATER POLLUTION CONTROL PLANT		
WATER SUPPLY MAIN		
TOWN OF CICERO	ONONDAGA CO., N.Y.	
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO: 55.32-08F	

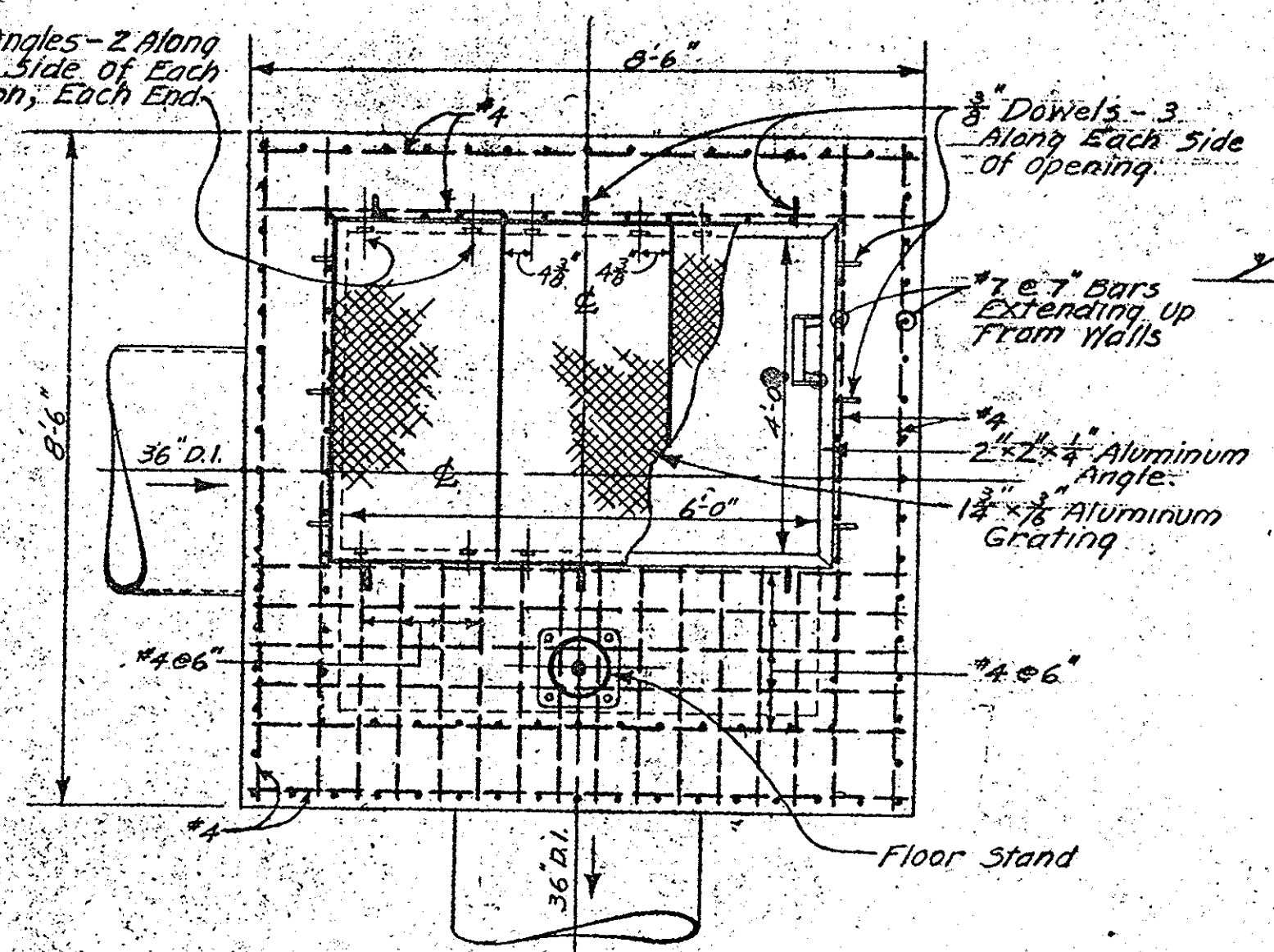
ARCHIVE DRAWINGS
DO NOT REMOVE FROM OFFICE
THIS STAMP IS IN RED INK



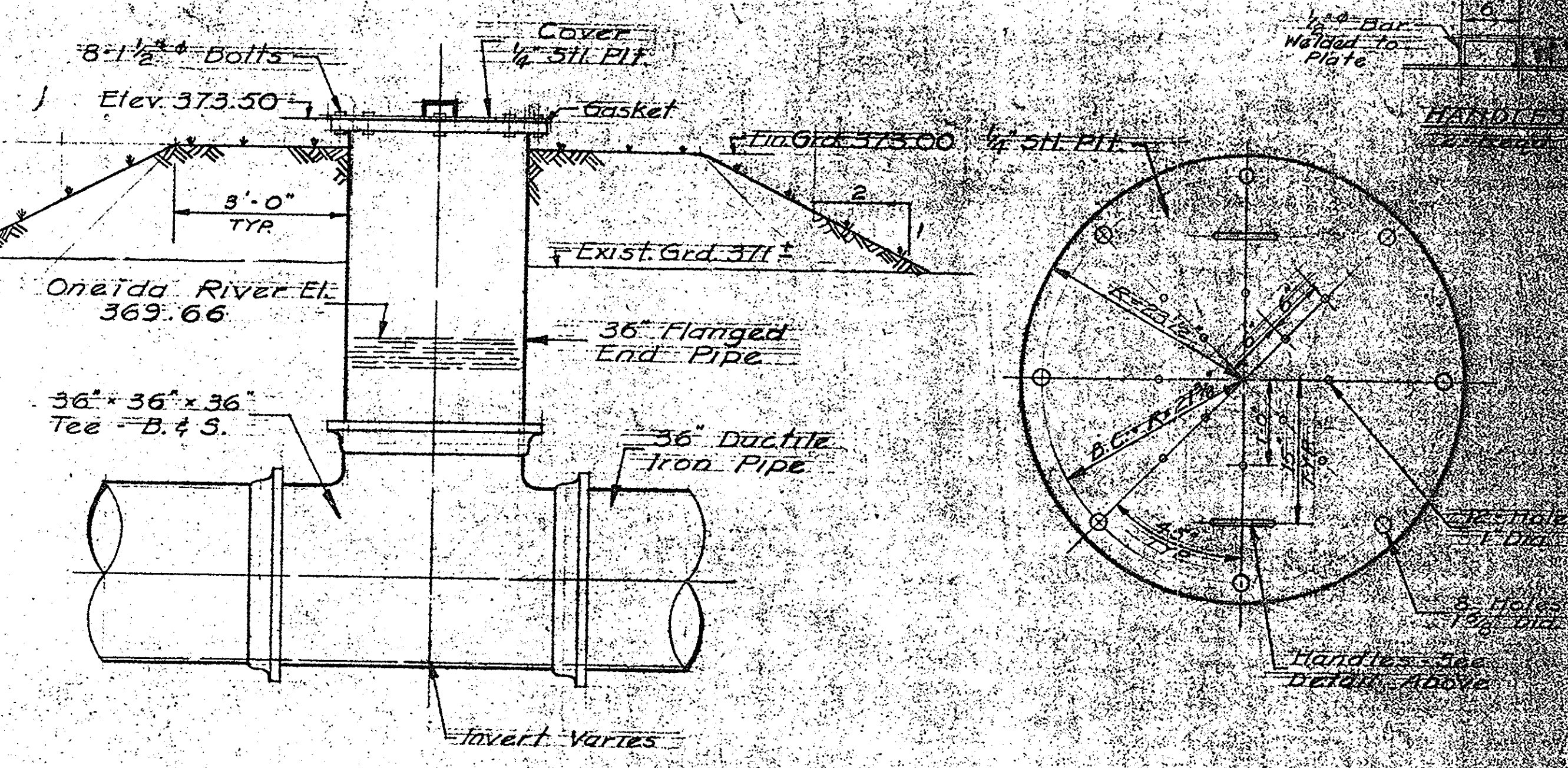
ARCHIVE DRAWINGS
DO NOT REMOVE FROM OFFICE
THIS STAMP IS IN RED INK



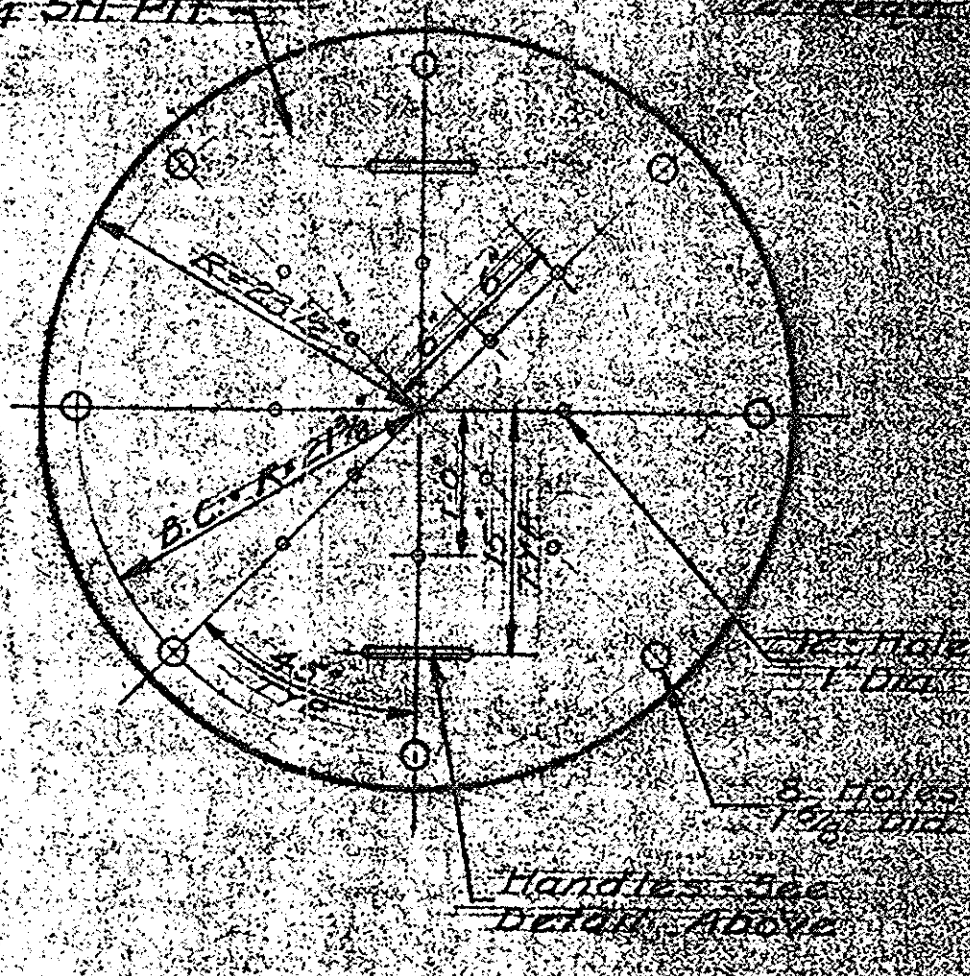
PLAN ON LINE A-A
SCALE: 1/2" = 1'-0"



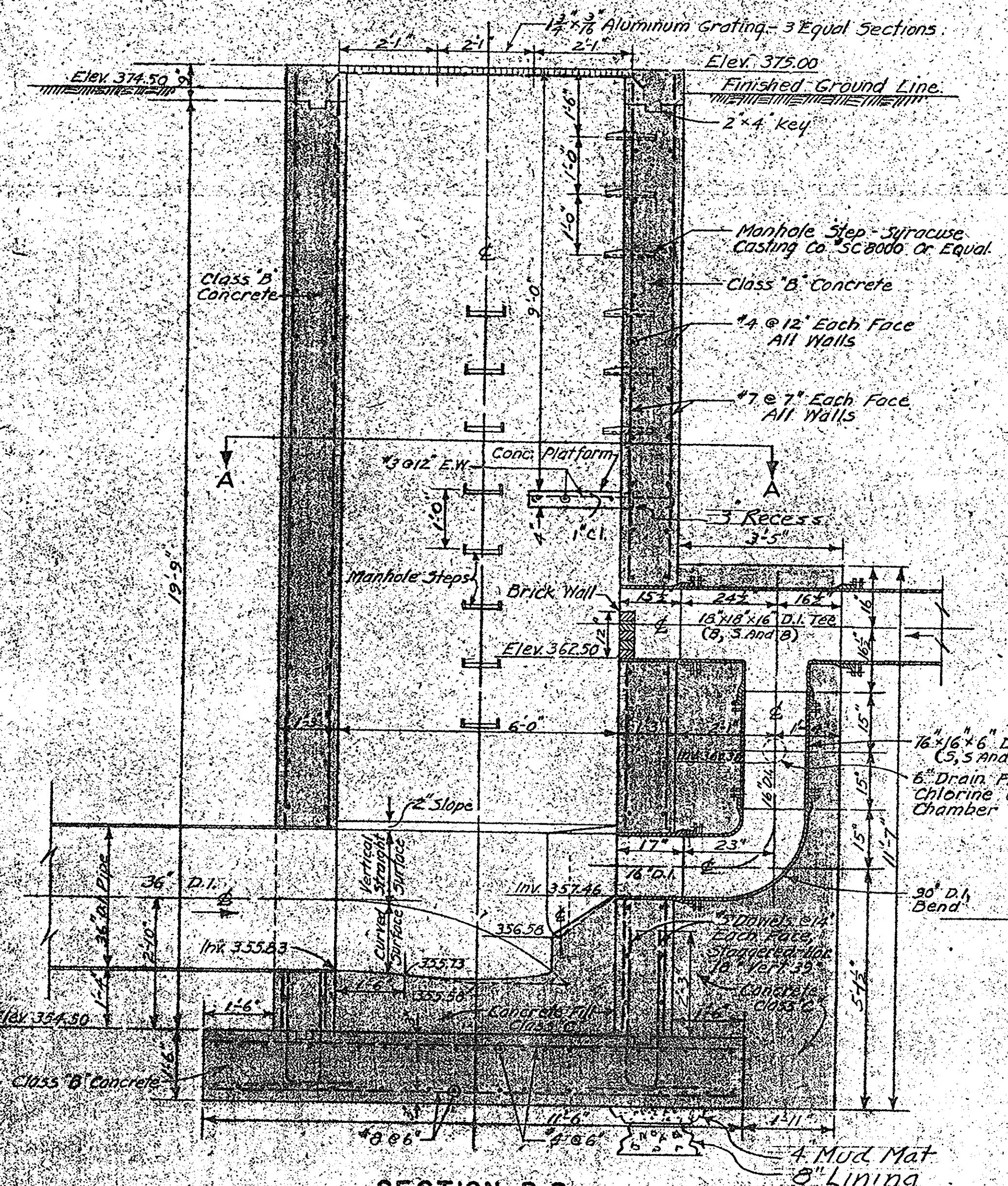
REINFORCEMENT IN TOP SLAB
SCALE: 1/2" = 1'-0"



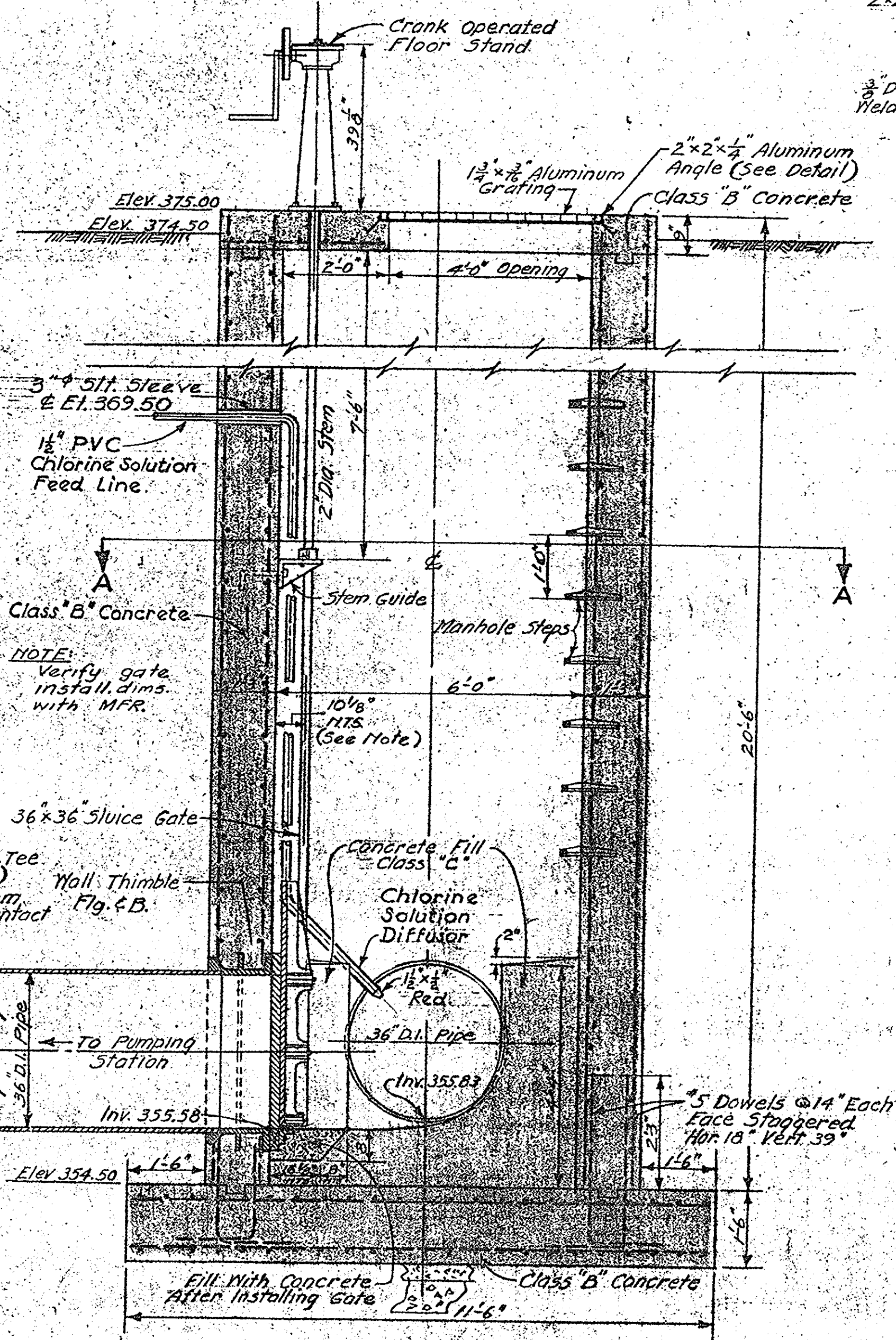
ELEVATION
SCALE: 1/2" = 1'-0"



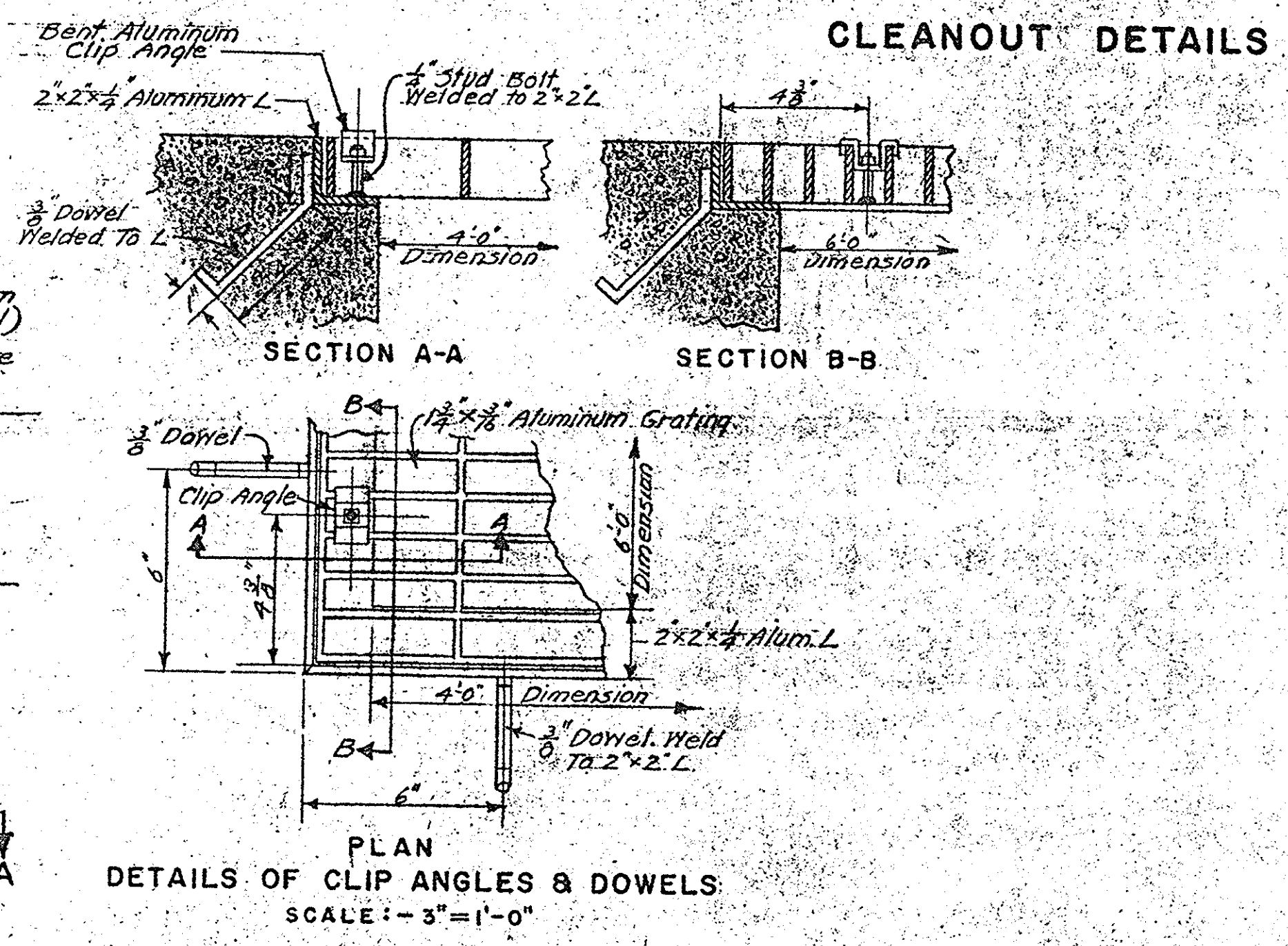
COVER DETAILS
SCALE: 1" = 1'-0"



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



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



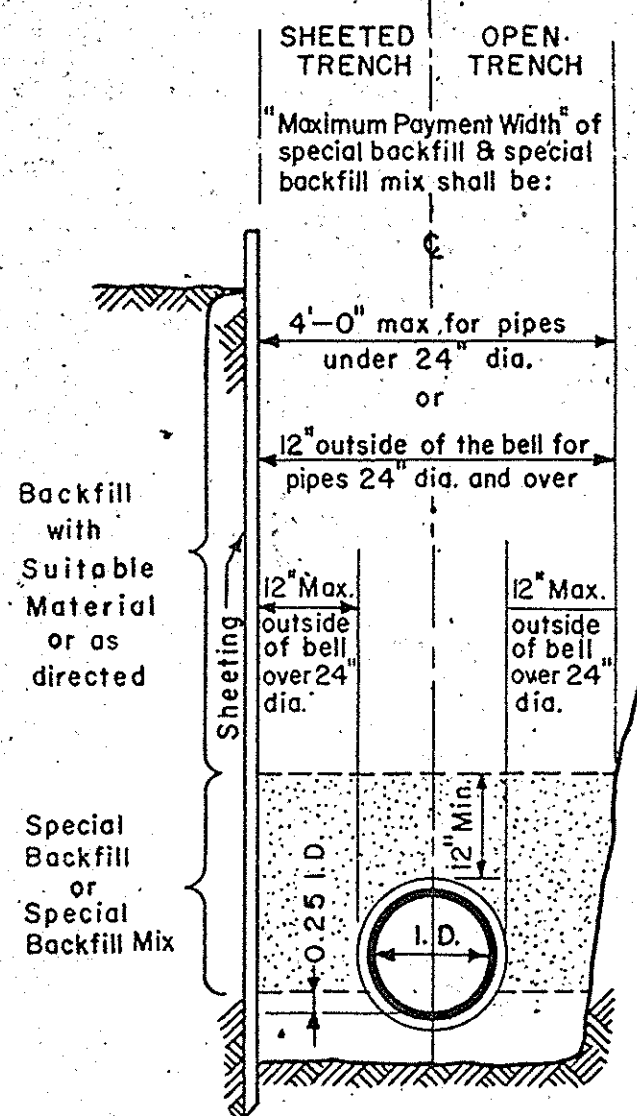
DETAILS OF CLIP ANGLES & DOWELS
SCALE: 3" = 1'-0"

ARCHIVE DRAWINGS
DO NOT REMOVE FROM OFFICE
THIS STAMP IS IN RED INK

SPECIAL MANHOLE NO. 1

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
SPECIAL MANHOLES	
TOWN OF CICERO	ONONDAGA CO., N. Y.
BARTON, BROWN, CLARKE & LOGOTHETIS CONSULTING ENGINEERS & LAND SURVEYORS MORRIS EXCHANGE BUILDING	DATE: FEBRUARY 1978 SCALE: AS SHOWN FILE NO. 55-32-010F

ADDED CHLORINE SOLUTION LINE & DIFFUSOR

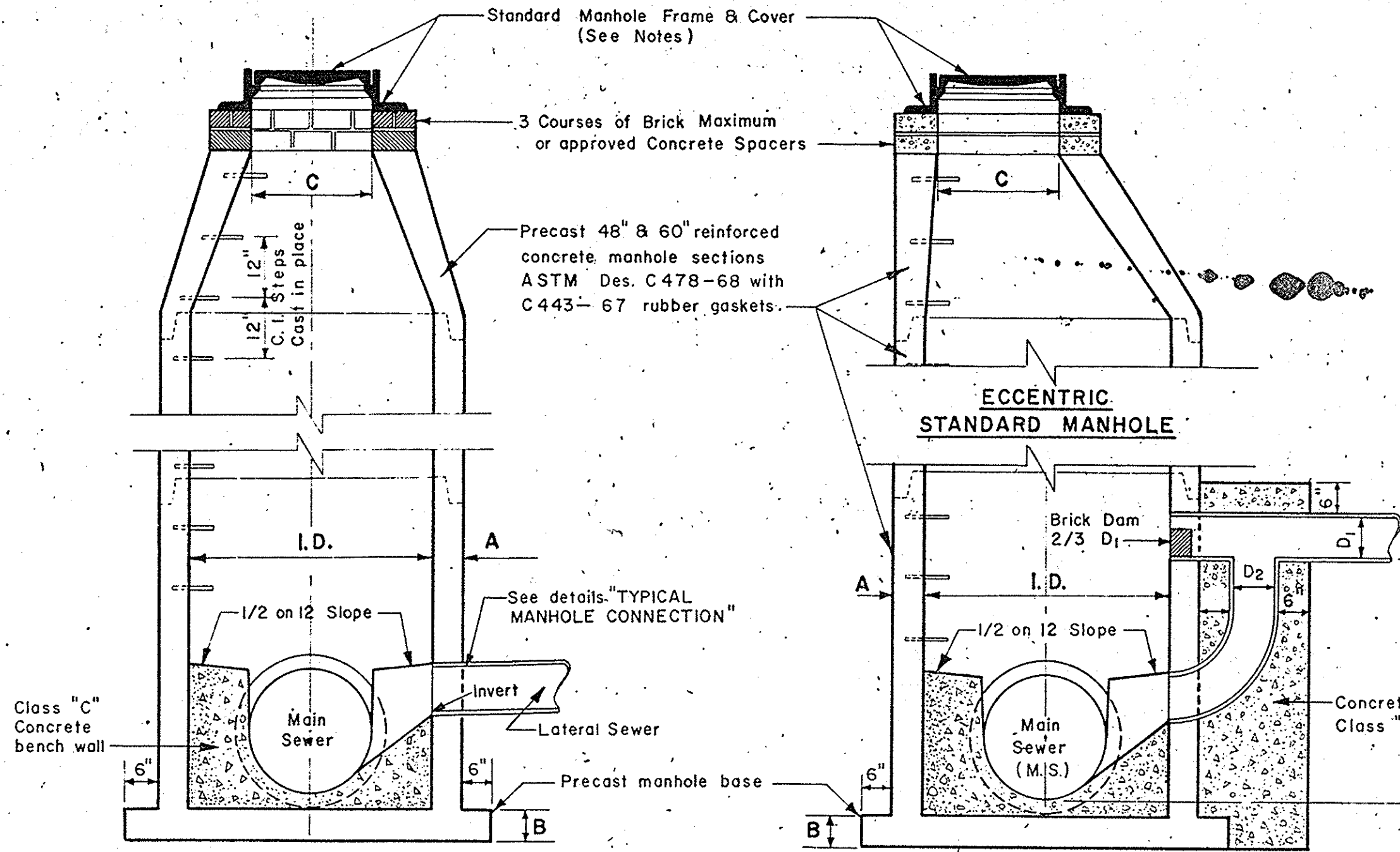


NOTE:
Refer to DS-2.05-6
and DS-7.03

NOTE:
Quantity of special backfill
& special backfill mix
for which payment
will be made, will be
computed by using the
product of the
depth as directed and
the actual trench width
as excavated but not
to exceed the "Maximum
Payment Width" as
shown on this detail.

PAYMENT LIMITS FOR SPECIAL
BACKFILL & SPECIAL BACKFILL MIX

NO SCALE



SEW. DIA. D ₁	DROP DIA. D ₂
8"	8"
10"	10"
12"	12"
15"	12"
18"	15"
21"	15"
24"	18"
30"	21"
36"	24"

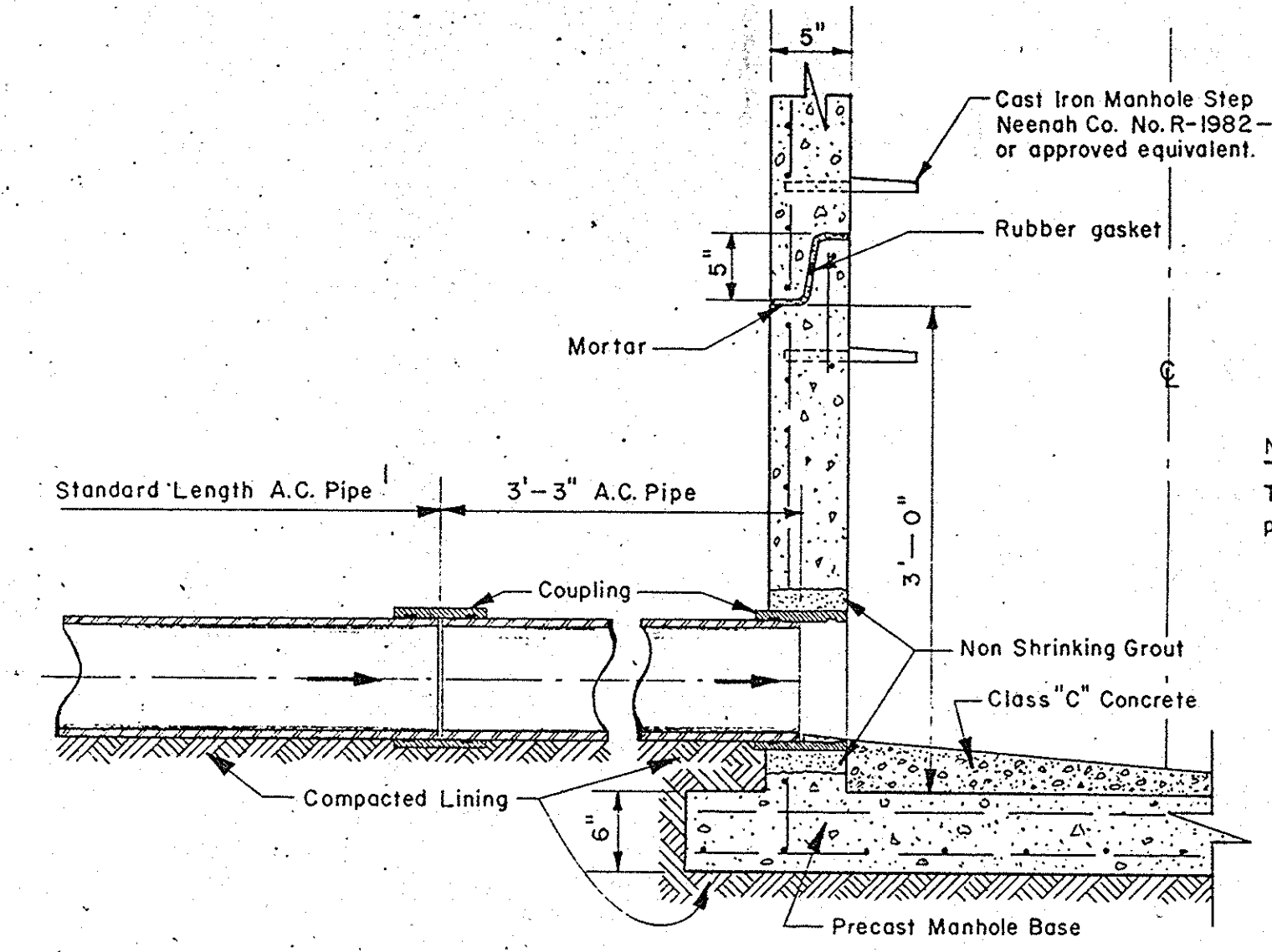
CONCENTRIC
STANDARD MANHOLE

NO SCALE

DROP MANHOLE

NOTES:
48" Manhole Frames & Covers — Neenah Co. No. R-1772-C or approved equivalent.
60" Manhole Frames & Covers — Neenah Co. No. R-1281 or approved equivalent.
Manhole Steps — Neenah Co. No. R-1982-G or approved equivalent.

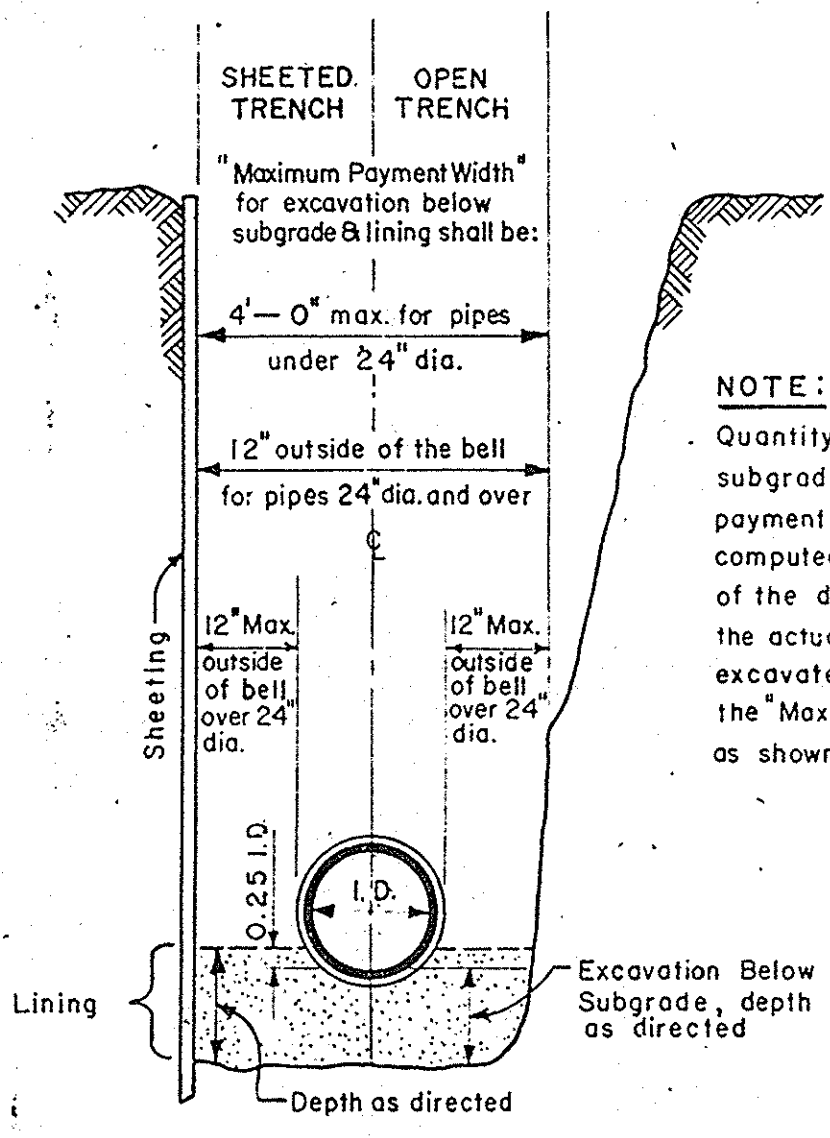
All Manholes shall be tapered concentric or eccentric top.
For sewers 24" Dia. & under, use 48" Dia. manhole.
For sewers 30" & 36" Dia., use 60" Dia. manhole.
Substitution of other type & size manholes are subject
to approval by the Engineer.



TYPICAL MANHOLE CONNECTION
USING ASBESTOS-CEMENT PIPE

SCALE: 1" = 1'-0"

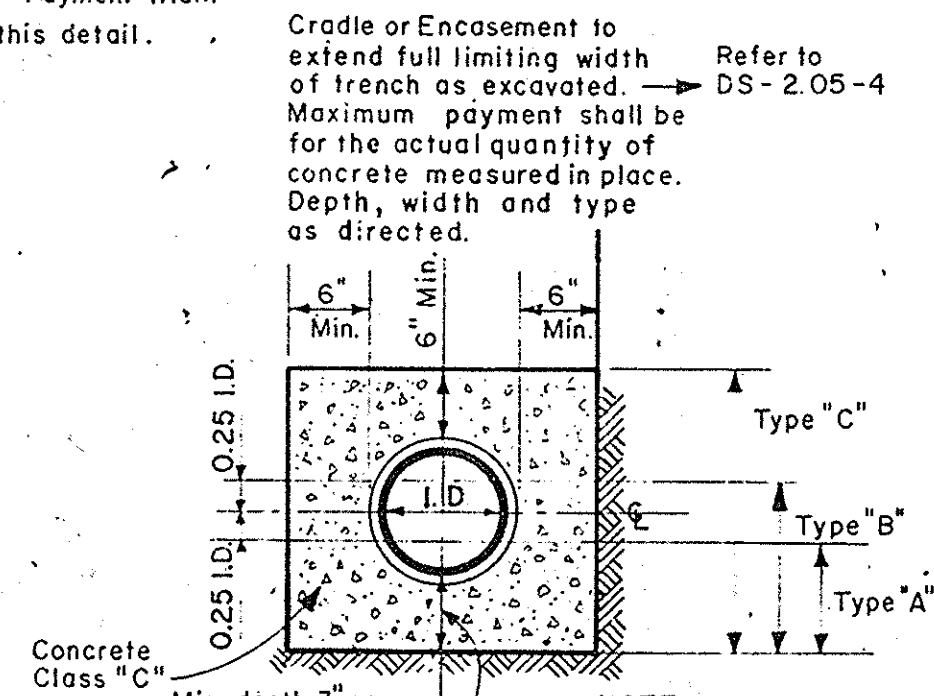
NOTE:
This Connection Detail
pertains to 8" A.C. Pipe.



NOTE:
Quantity of excavating below
subgrade and lining for which
payment will be made, will be
computed by using the product
of the depth as directed and
the actual trench width as
excavated but not to exceed
the "Maximum Payment Width"
as shown on this detail.

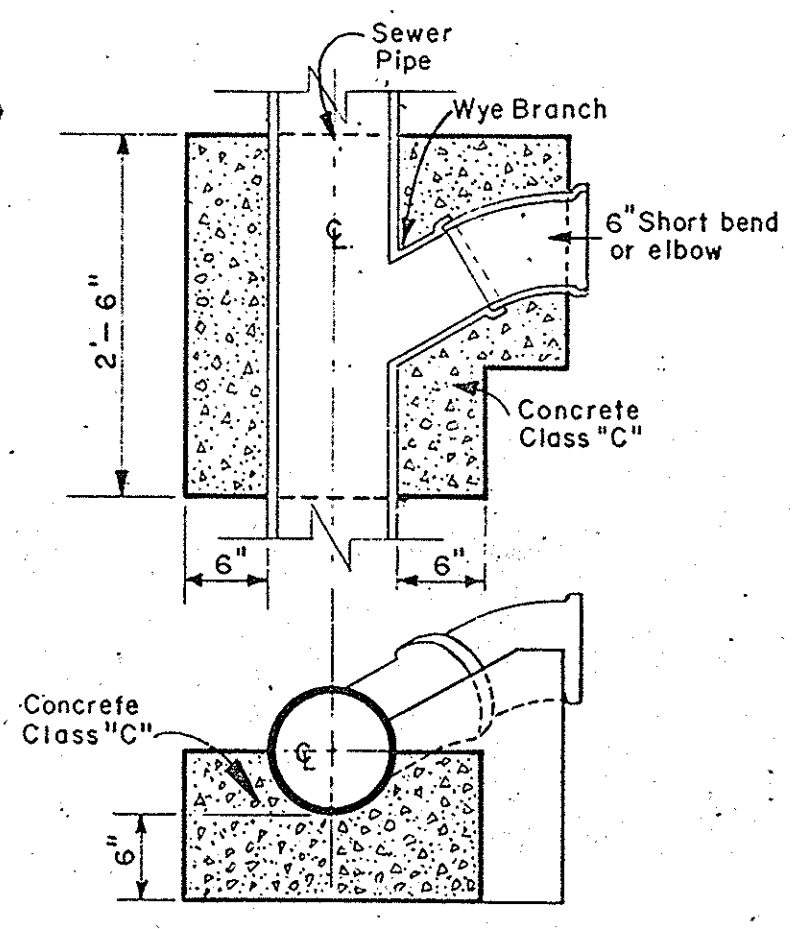
PAYMENT LIMITS FOR
EXCAVATION BELOW SUBGRADE
AND LINING

NO SCALE



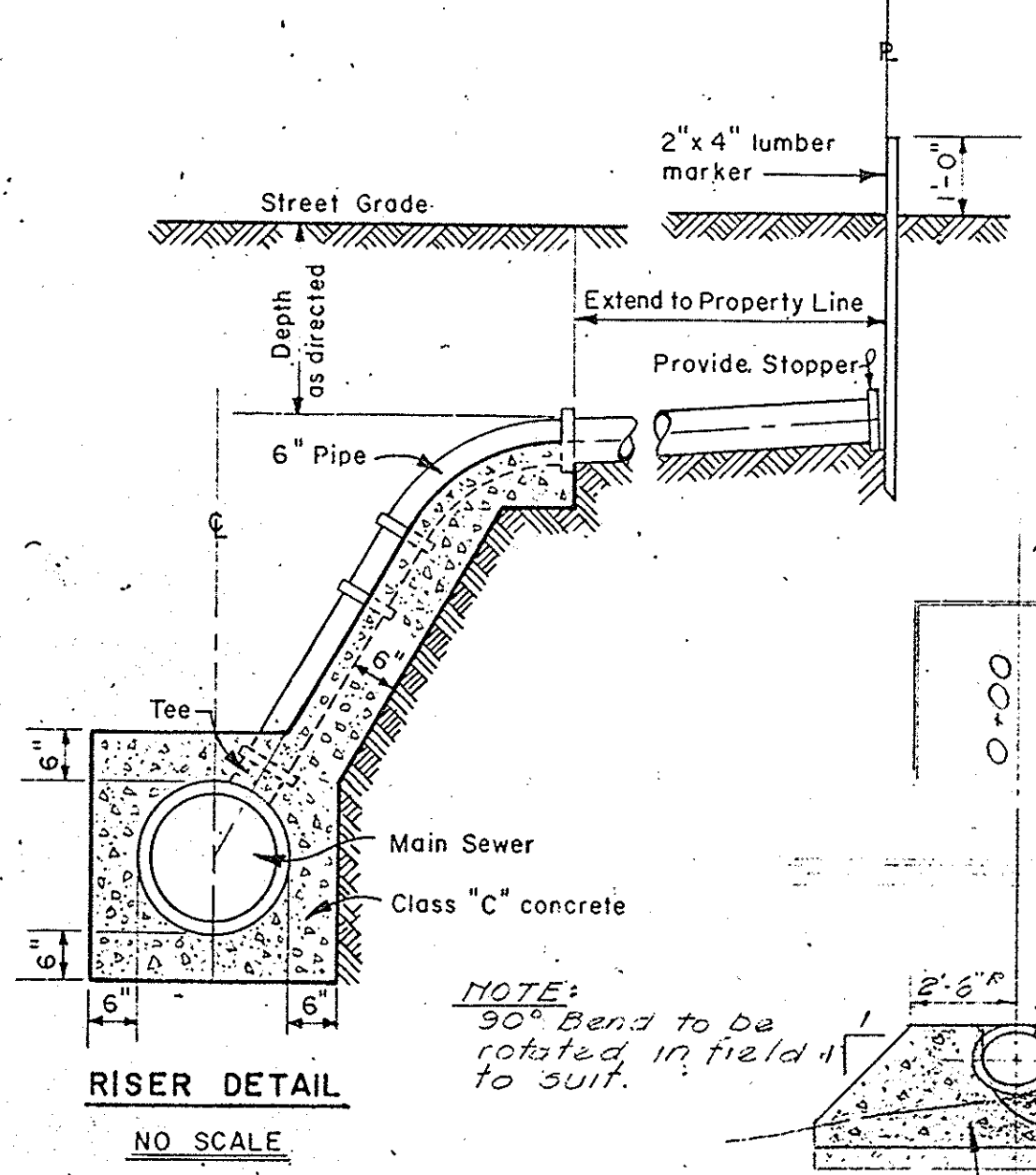
TYPICAL DETAIL OF
CRADLE OR ENCASUREMENT

NO SCALE



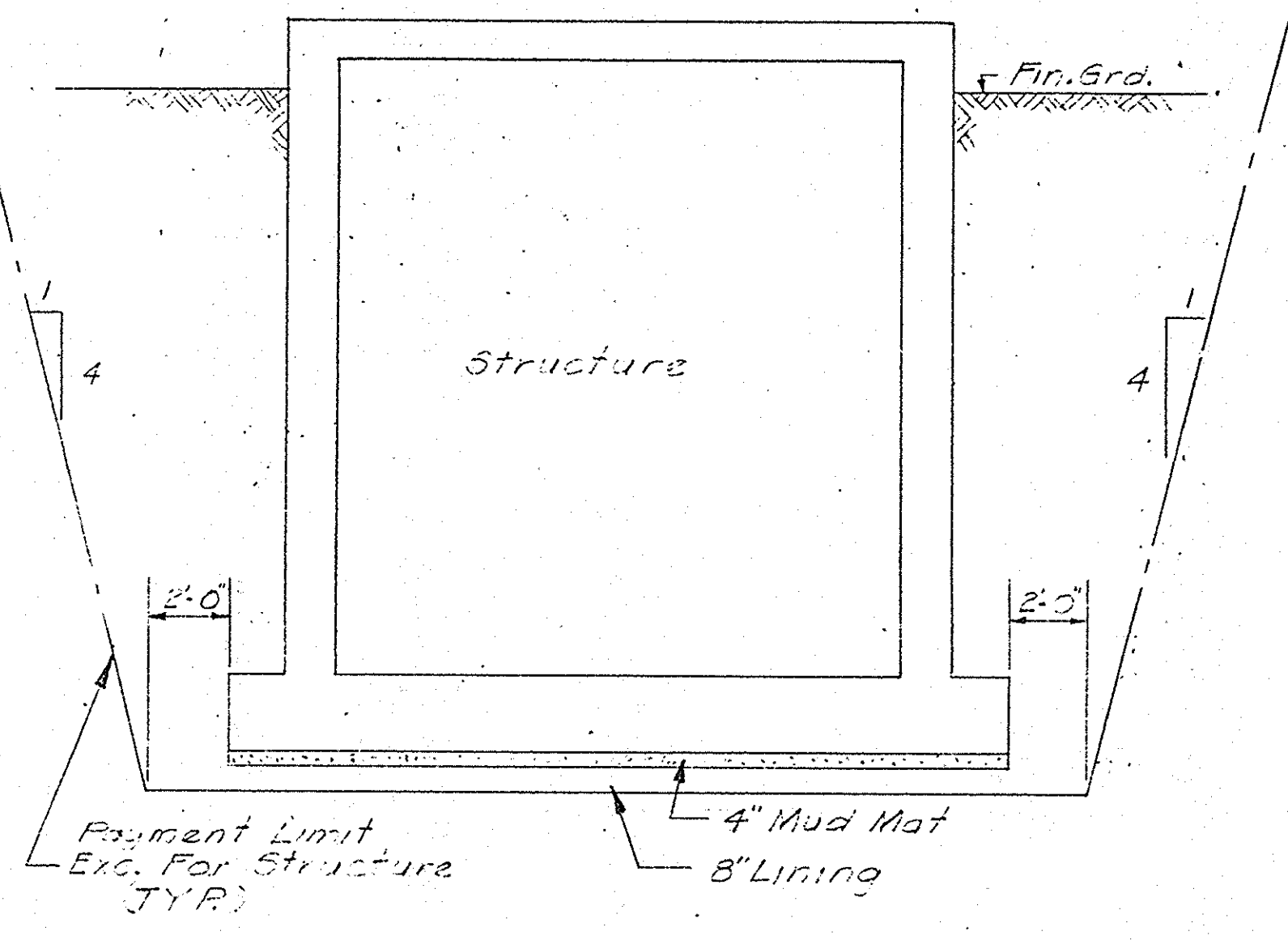
CONCRETE CRADLE
AT WYE BRANCHES

NO SCALE



RISER DETAIL

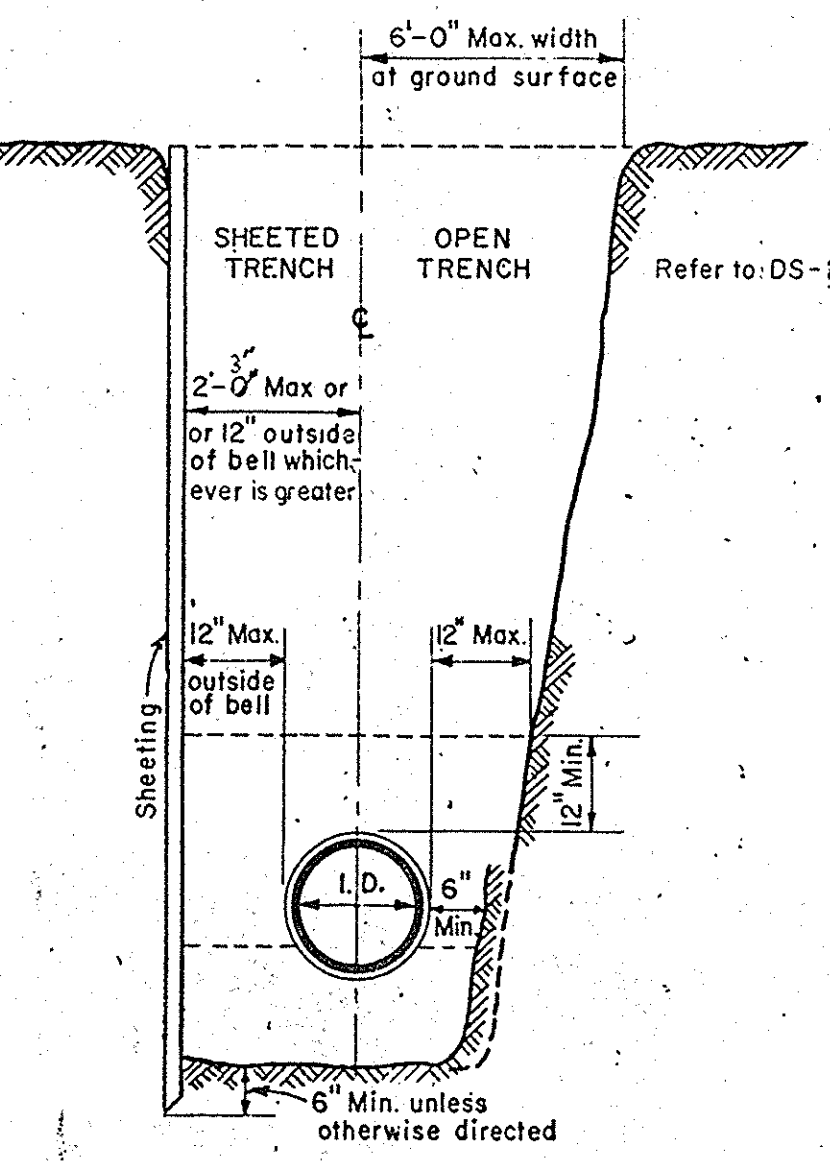
NO SCALE



TYPICAL STRUCTURE - PAYMENT LIMIT

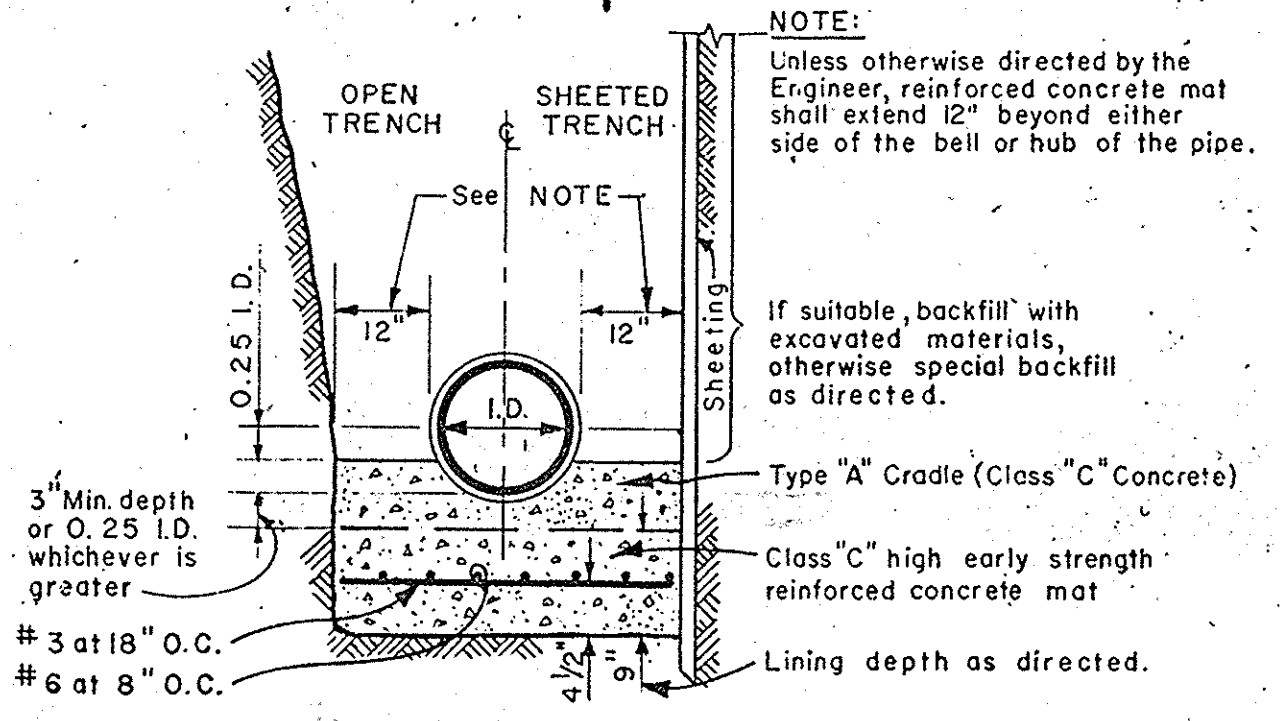
NO SCALE

ARCHIVE DRAWINGS
DO NOT REMOVE FROM OFFICE
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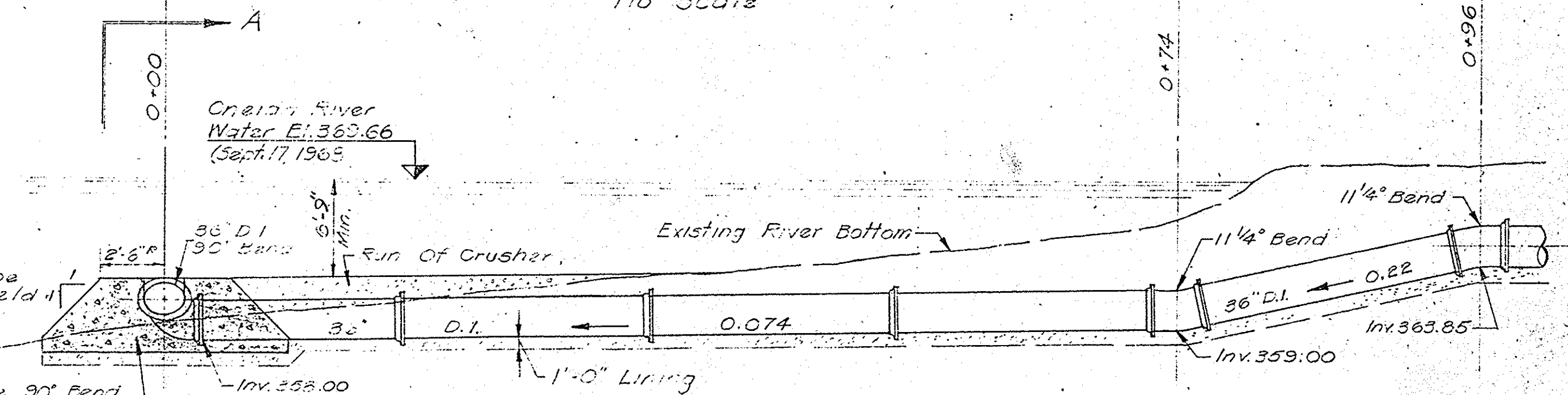
LIMITING WIDTHS OF TRENCH

NO SCALE



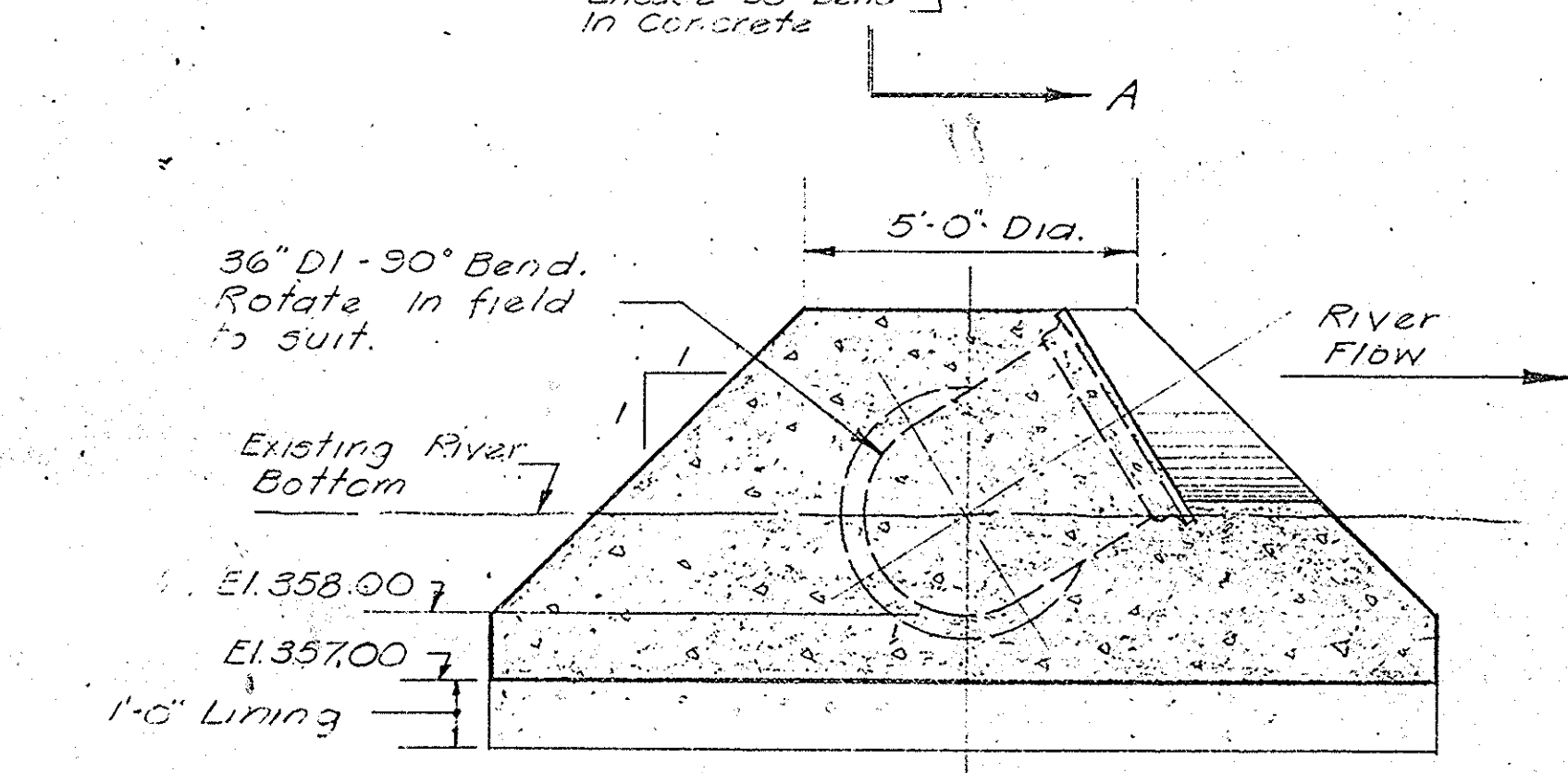
TYPICAL TRENCH SECTIONS
REINFORCED CONCRETE MAT

NO SCALE



PROFILE - OUTFALL SEWER

Scale: 1/8" = 1'-0"

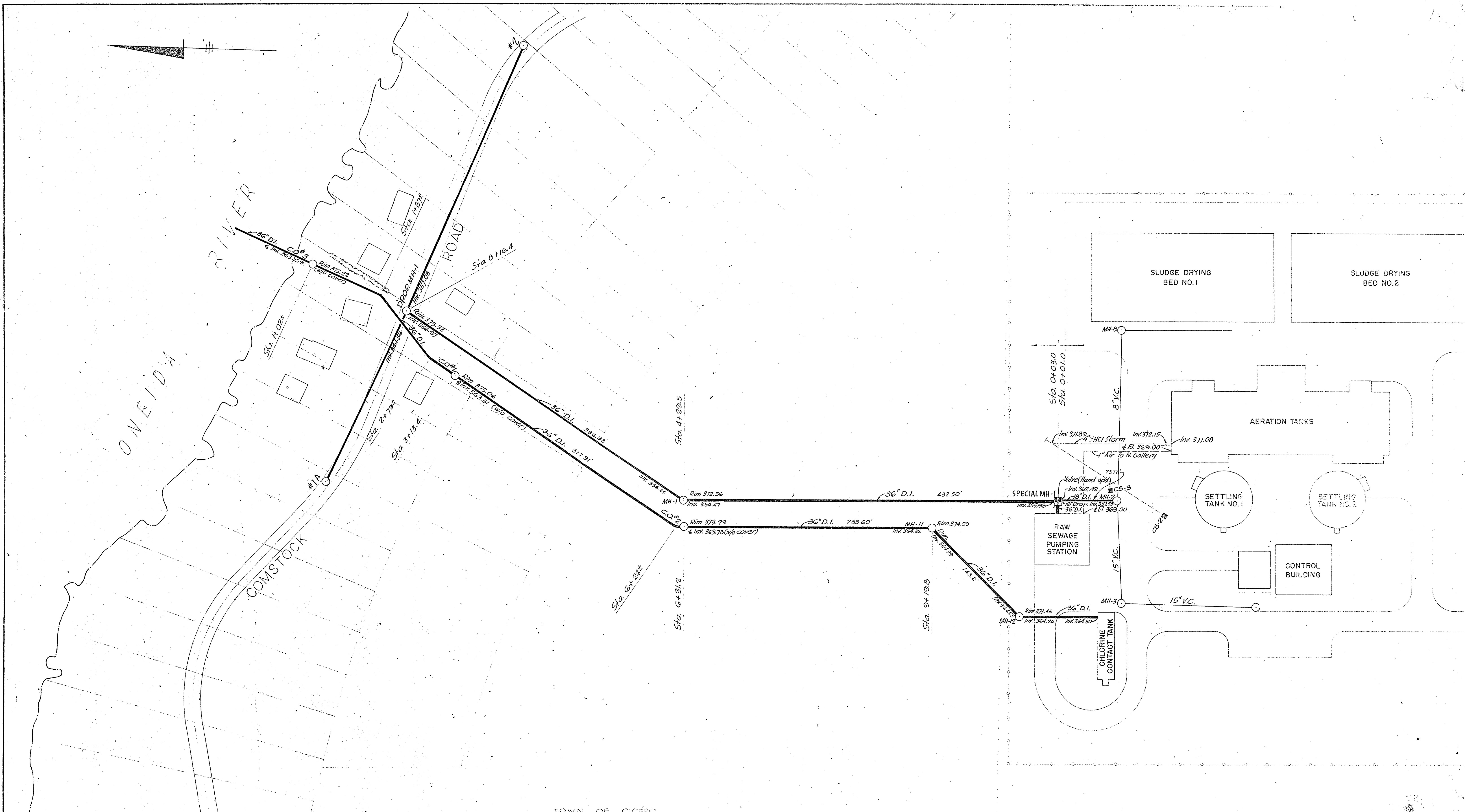
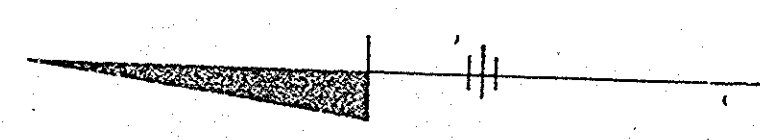


SECTION A-A

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

IN CHARGE OF: F.A.L.
DESIGNED BY: M.C.C.
DRAWN BY: S.K.
CHECKED BY:

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
OUTFALL SEWER DETAILS - MISC. SEWER DETAILS	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY, 1975 SCALE: AS SHOWN FILE NO.: 55.32 - IIF
REVISIONS	10

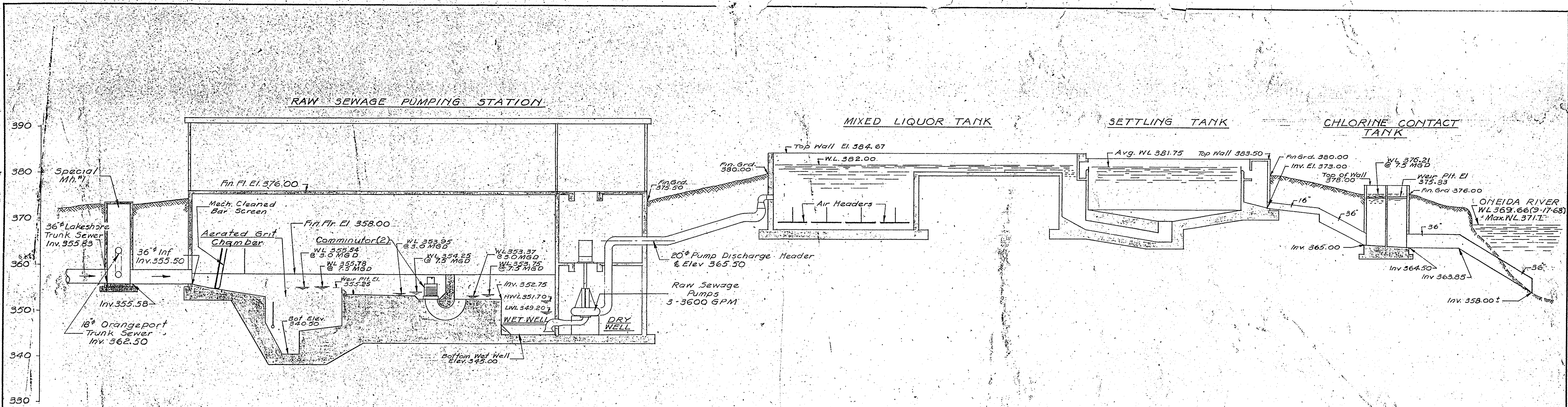


TOWN OF CICERO
TOWN OF CLAY

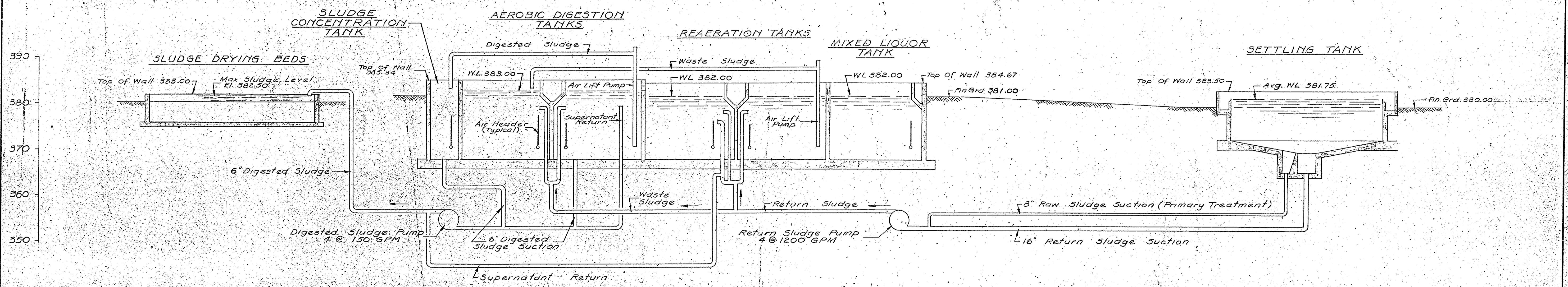
IN CHARGE OF:
DESIGNED BY:
DRAWN BY:
CHECKED BY:

REVISIONS	ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
	BREWERTON WATER POLLUTION CONTROL PLANT	
	YARD PIPING LOCATION PLAN	
	TOWN OF CICERO	ONONDAGA CO., N.Y.
	BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: 1" = 50' FILE NO.: 55.32-14F

NO ALTERATION PERMITTED HEREIN EXCEPT AS PROVIDED UNDER SECTION 4209, PARAGRAPH 2 OF THE NEW YORK STATE EDUCATION LAW.



RAW SEWAGE - MIXED LIQUOR - PLANT EFFLUENT
 HYDRAULIC PROFILE
 Scale: 1" = 10' Vert.



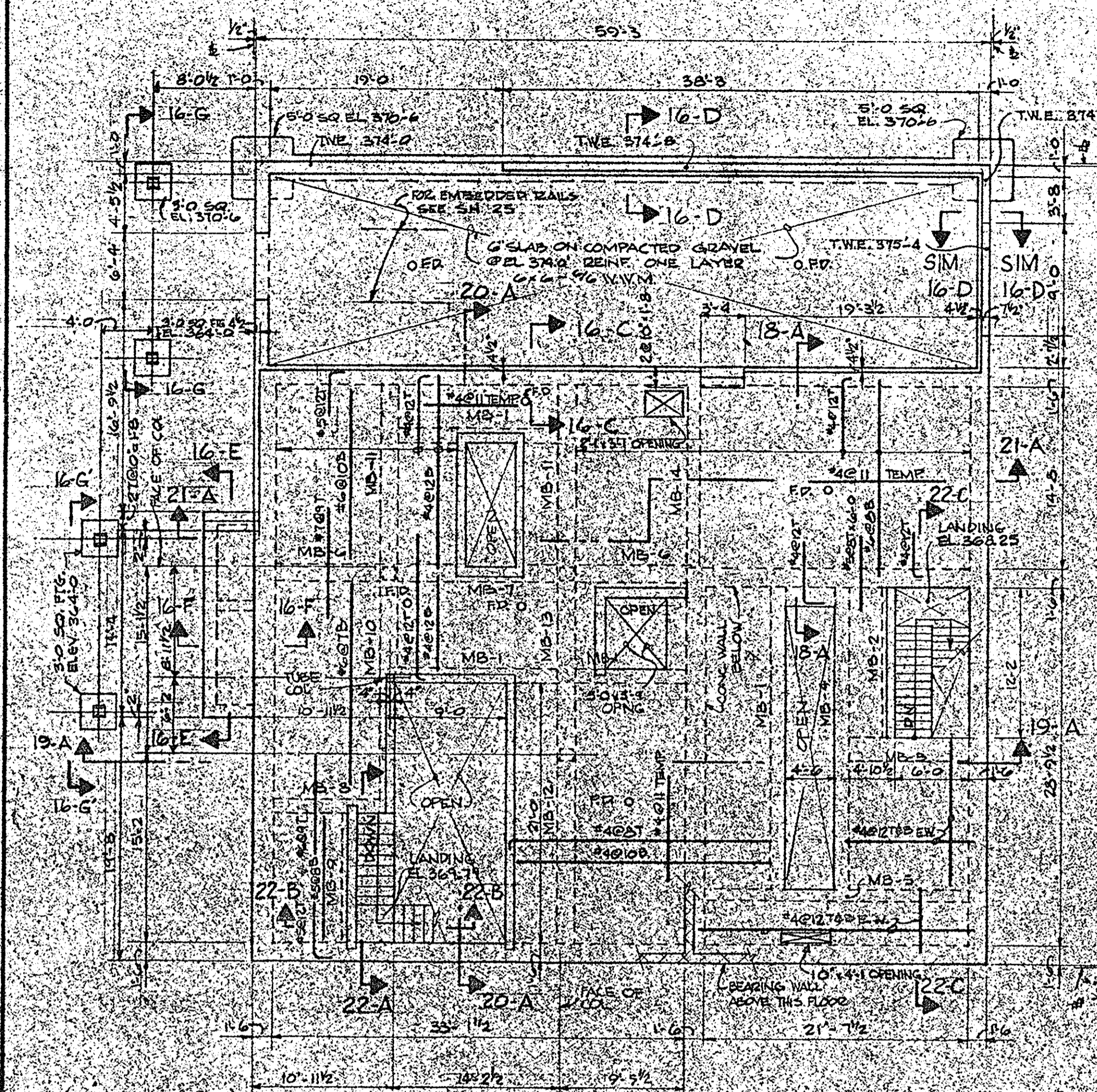
RETURN, RAW and DIGESTED SLUDGE
 HYDRAULIC PROFILE
 Scale: 1" = 10' Vert.

PLANT DESIGN FLOWS (YEAR 1990)

- 3.0 MGD Average
- 7.5 MGD Maximum
- 1.2 MGD Minimum
- 3.0 MGD Max Return Sludge

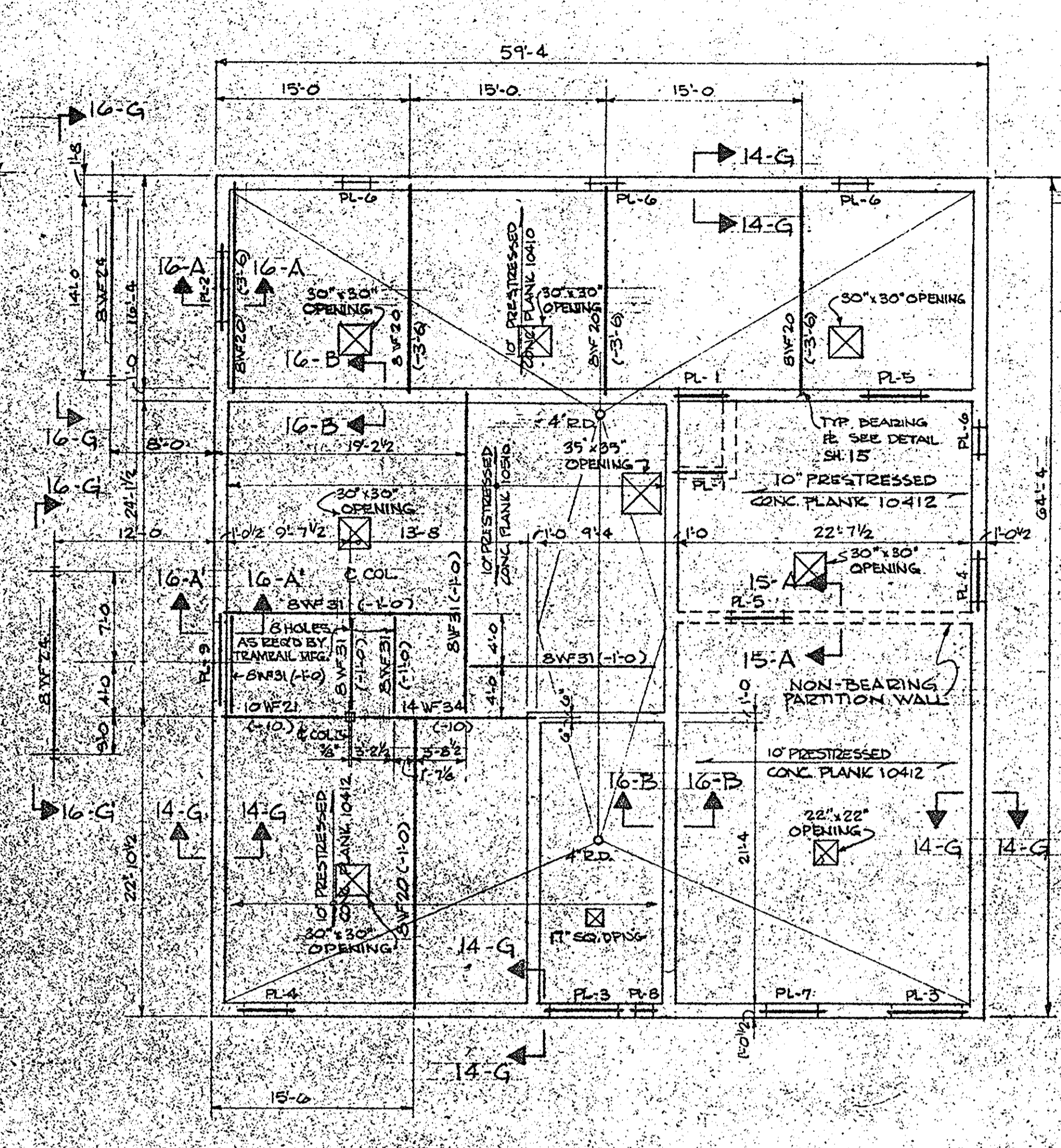
IN CHARGE OF: F.A.L.
 DESIGNED BY: F.N.K.
 DRAWN BY: F.N.K.
 CHECKED BY: [Signature]

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
HYDRAULIC PROFILES	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO.: 55.32-15F
REVISIONS	12



PLAN @ ELEVATION 3760

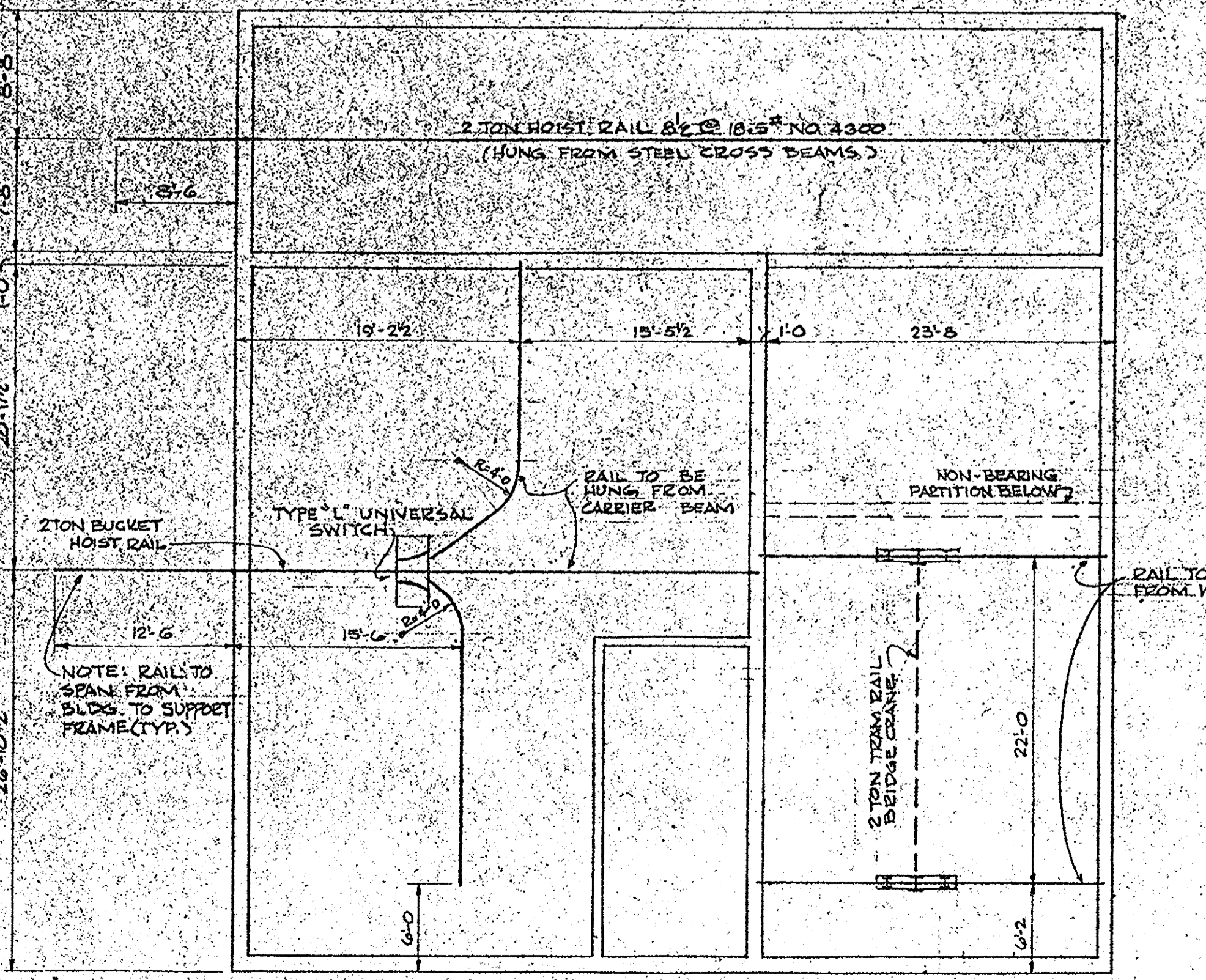
- SCALE 1/8" = 1'-0"
1. ALL JOISTS BEHIND FINISH SIDES AS SHOWN
 2. THICKNESS OF STRUCT. SLAB (AT ELEV. 376.0)
 3. THROUGHOUT
 4. FOR BEAM SIZES SEE SHT. 13
 5. FLOOR ALL FLOOR SLABS 1" TOWARD DRAIN



ROOF PLAN

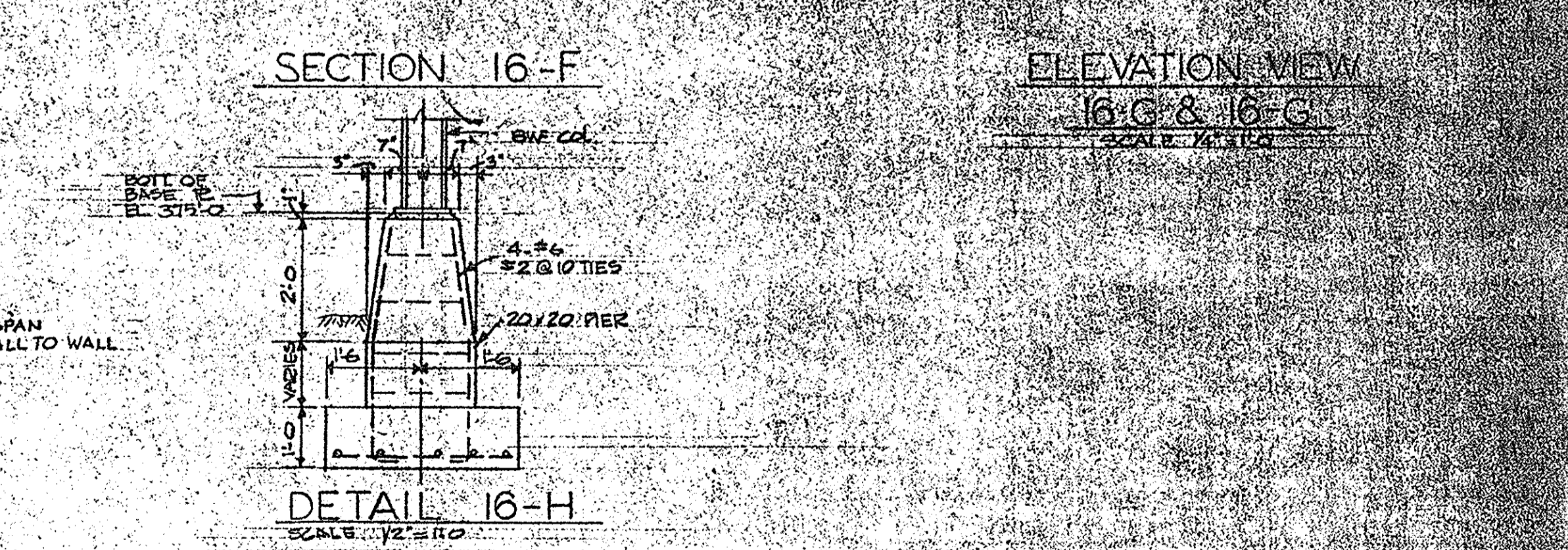
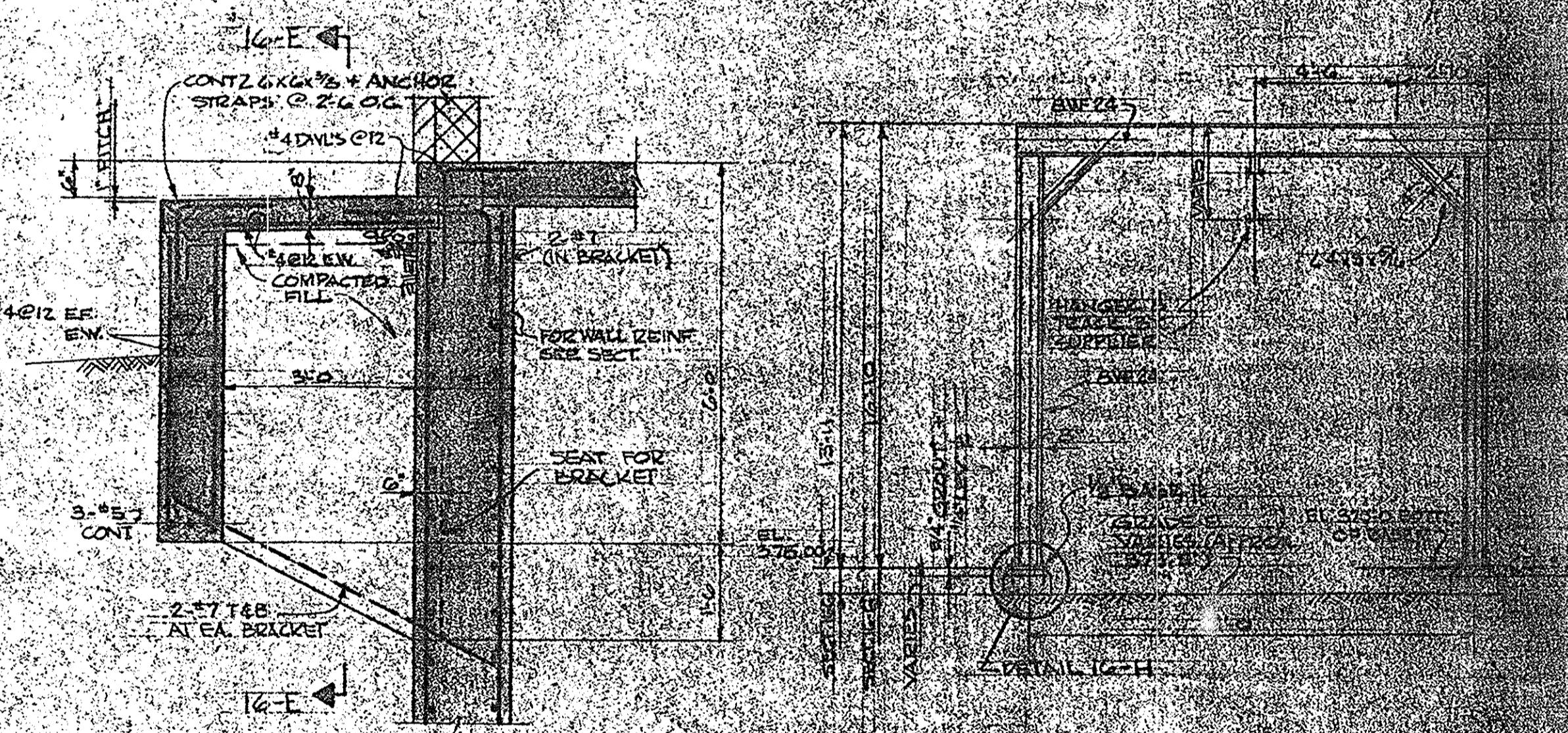
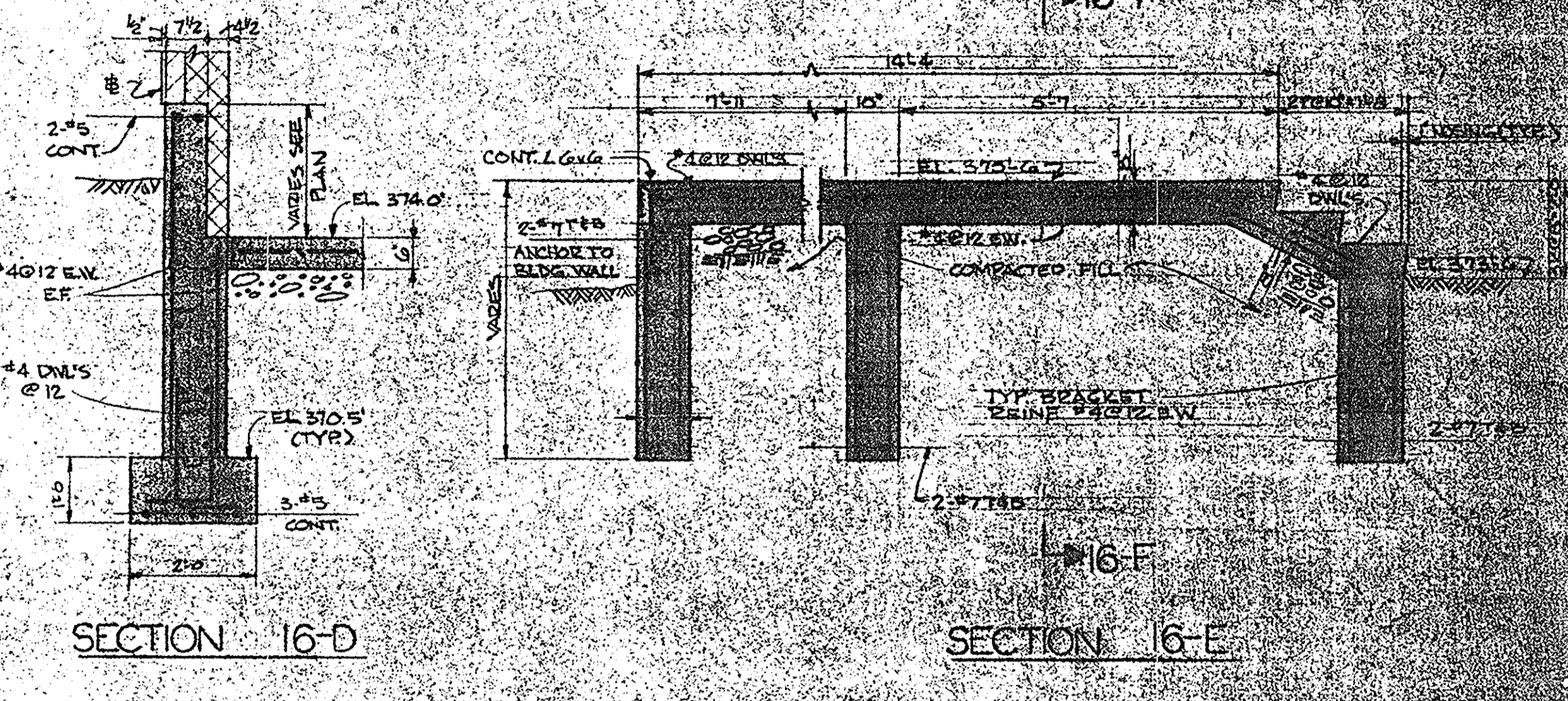
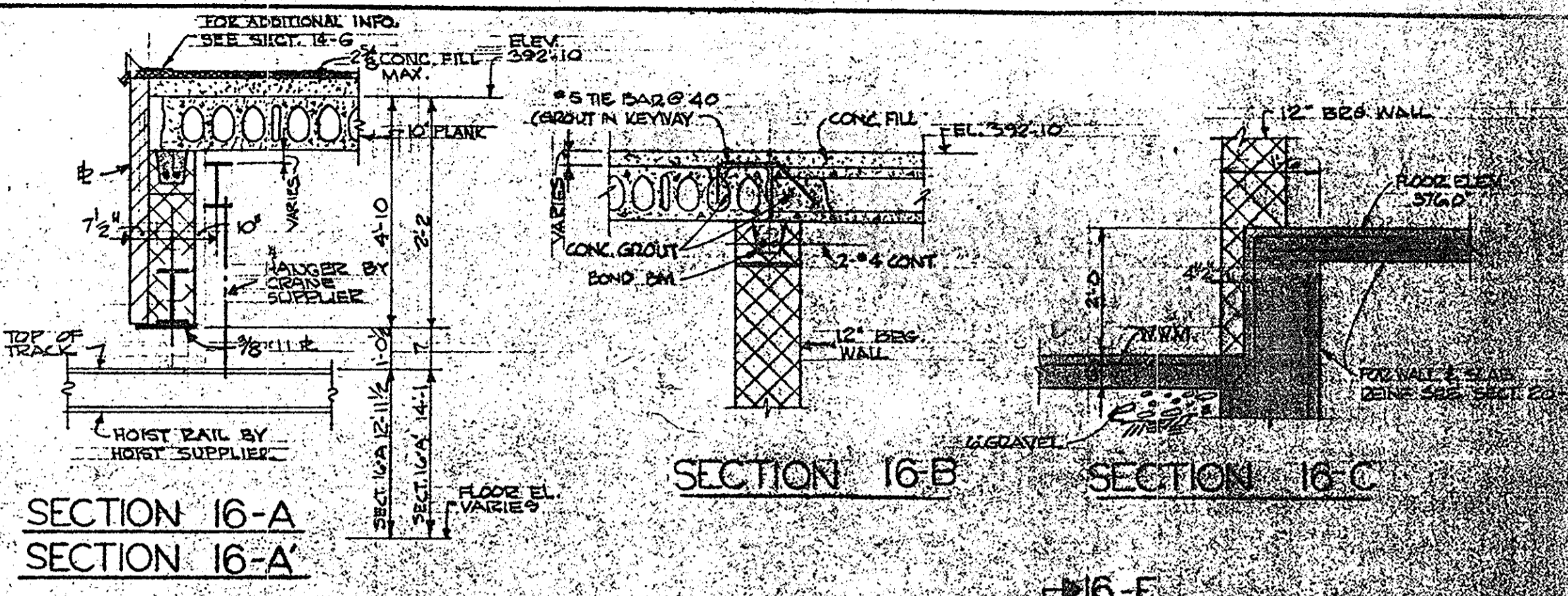
- SCALE 1/8" = 1'-0"
1. TOP OF ROOF PLANK ELEV. 392.10
 2. TOP OF STRUCT. SHEET (S) OR (C) THEREFROM
 3. SEE HOIST TRACK LAYOUT BELOW
 4. CONC. FILL OVER PLANKS TO BE PITCHED TOWARD DRAIN

MARK	MATERIAL	M.O.	SECTION	REMARKS
PL-1	2 1/2" x 3 1/2" x 3/16"	3-4	JL	LOOSE
PL-2	10WF21 + E	4-4	16-A	LOOSE
PL-3	2 1/2" x 3 1/2" x 3/16"	5-4	JL	LOOSE
PL-4	1 1/2" x 2 1/2" x 3/16"	3-4	JL	LOOSE
PL-5	2 1/2" x 3 1/2" x 3/16"	4-0	JL	LOOSE
PL-6	3 1/2" x 5 1/2" x 3/16"	2-1	JL	LOOSE
PL-7	3 1/2" x 5 1/2" x 3/16" LLV	4-0	JL	LOOSE
PL-8	3 1/2" x 5 1/2" x 3/16"	1-4	JL	LOOSE
PL-9	10WF21 + E	7-4	16-A	LOOSE



MONORAIL TRACK LAYOUT

- SCALE 1/8" = 1'-0"
- NOTE: TRACK DESIGNATION ACC. TO CLEVELAND TRAM RAIL CATALOG. SUBSTITUTES TO HAVE EQUAL DEPTH AND MOMENT OF INERTIA.



ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
RAW SEWAGE PUMPING STATION
STRUCTURAL

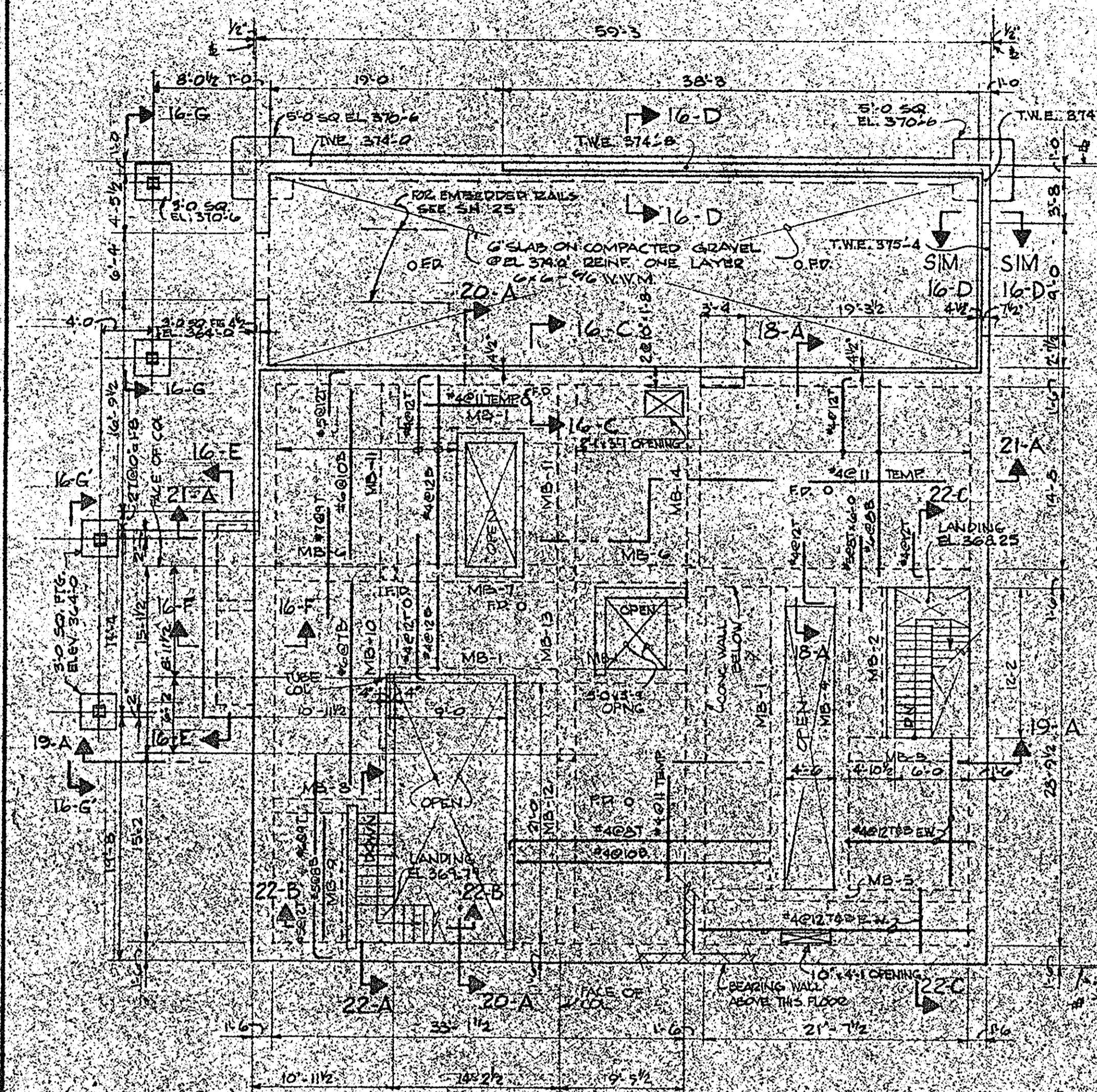
TOWN OF CICERO ONONDAGA CO., N.Y.

BARTON, BROWN, CLOYDE & LOGGIDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO: 55-32-19F

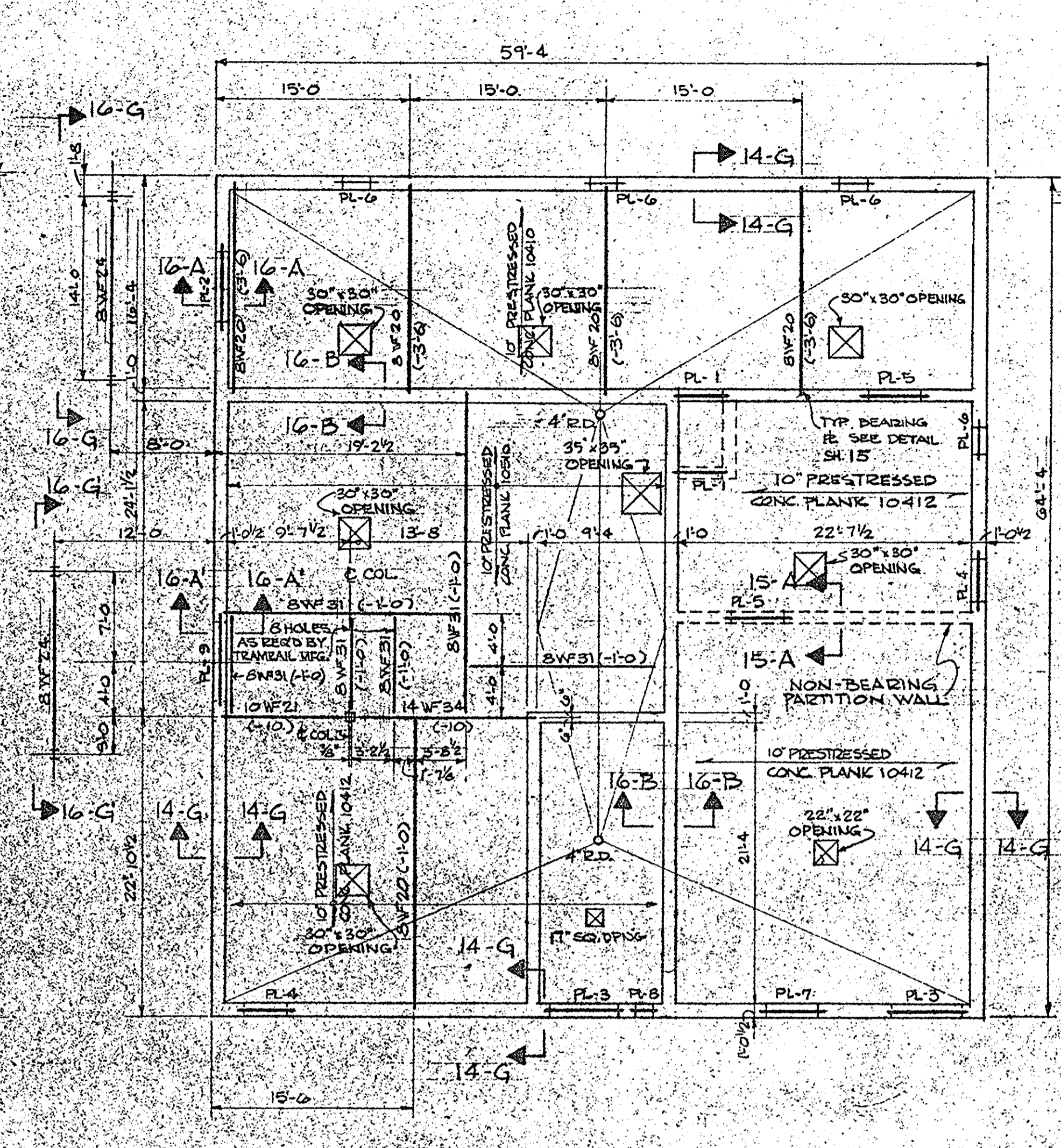
REVISIONS

ECKERLIN
KLEPPER
HAHN



PLAN @ ELEVATION 3760
SCALE 1/8" = 1'-0"

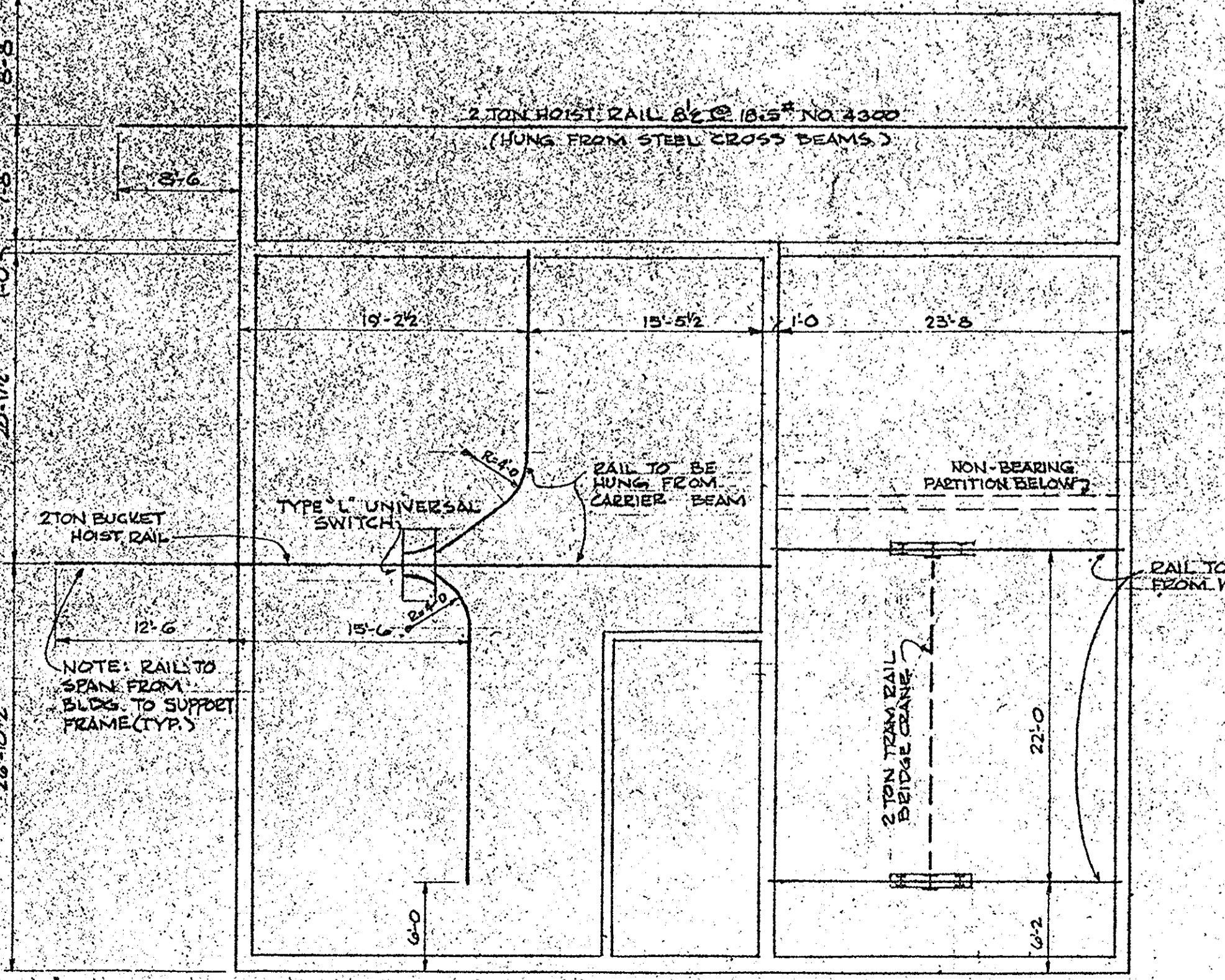
- 1. ALL JOISTS BEHIND STAIRS 2" MIN. HIGH
- 2. THICKNESS OF STRUCT. SLAB (AT ELEV. 3760) 7" THROUGHOUT
- 3. FOR BEAM SIZES SEE SHT. 13
- 4. FILL ALL FLOOR SLABS TOWARD DRAIN



ROOF PLAN
SCALE 1/8" = 1'-0"

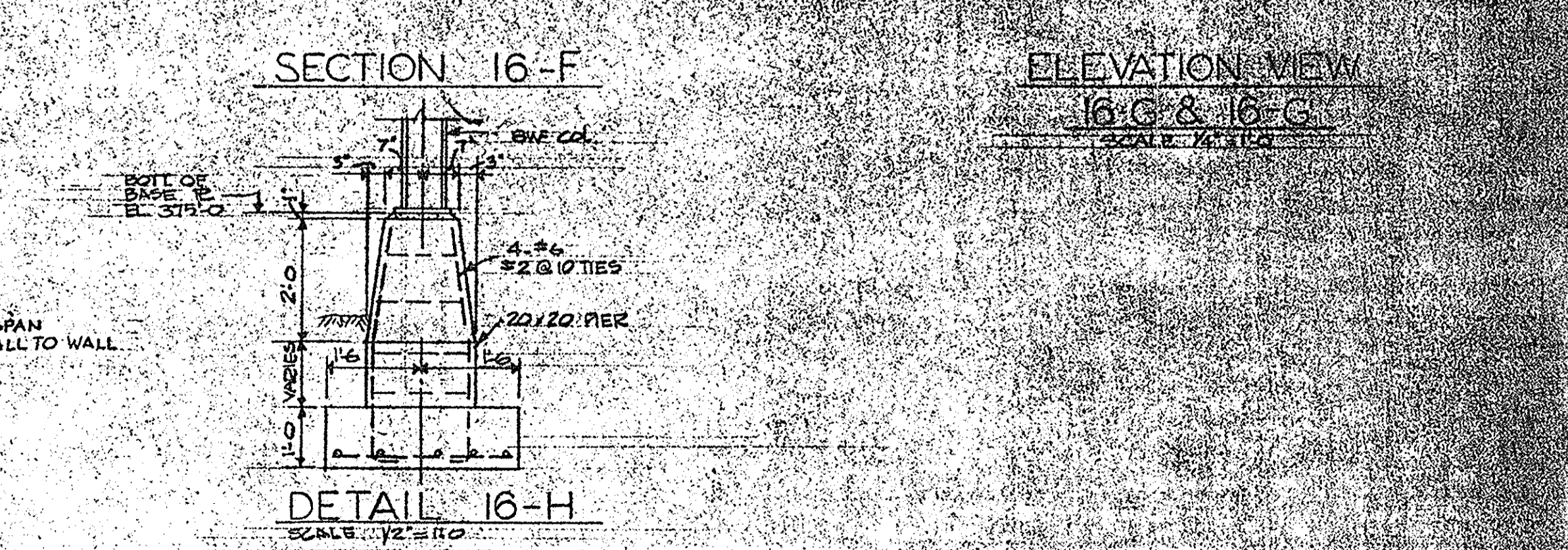
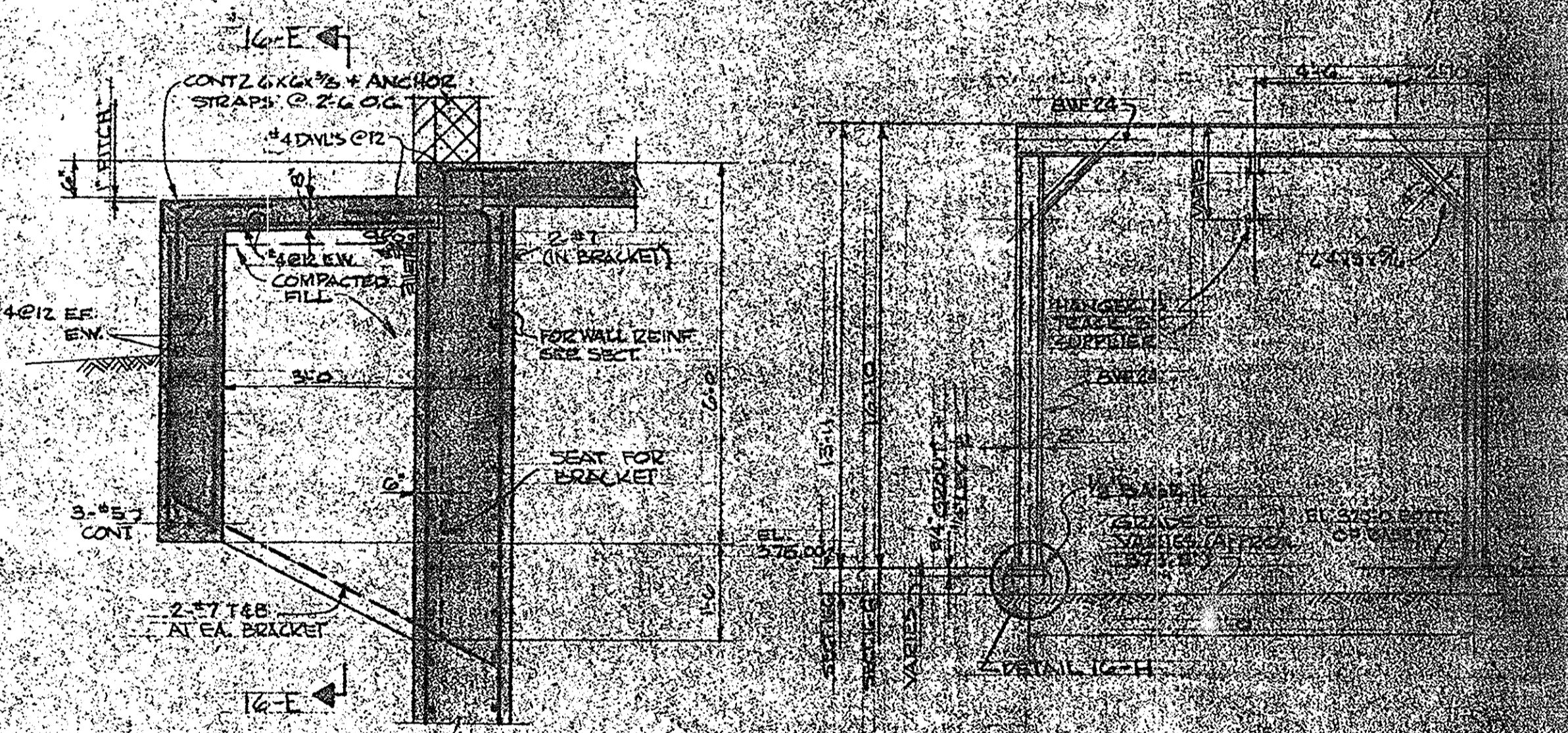
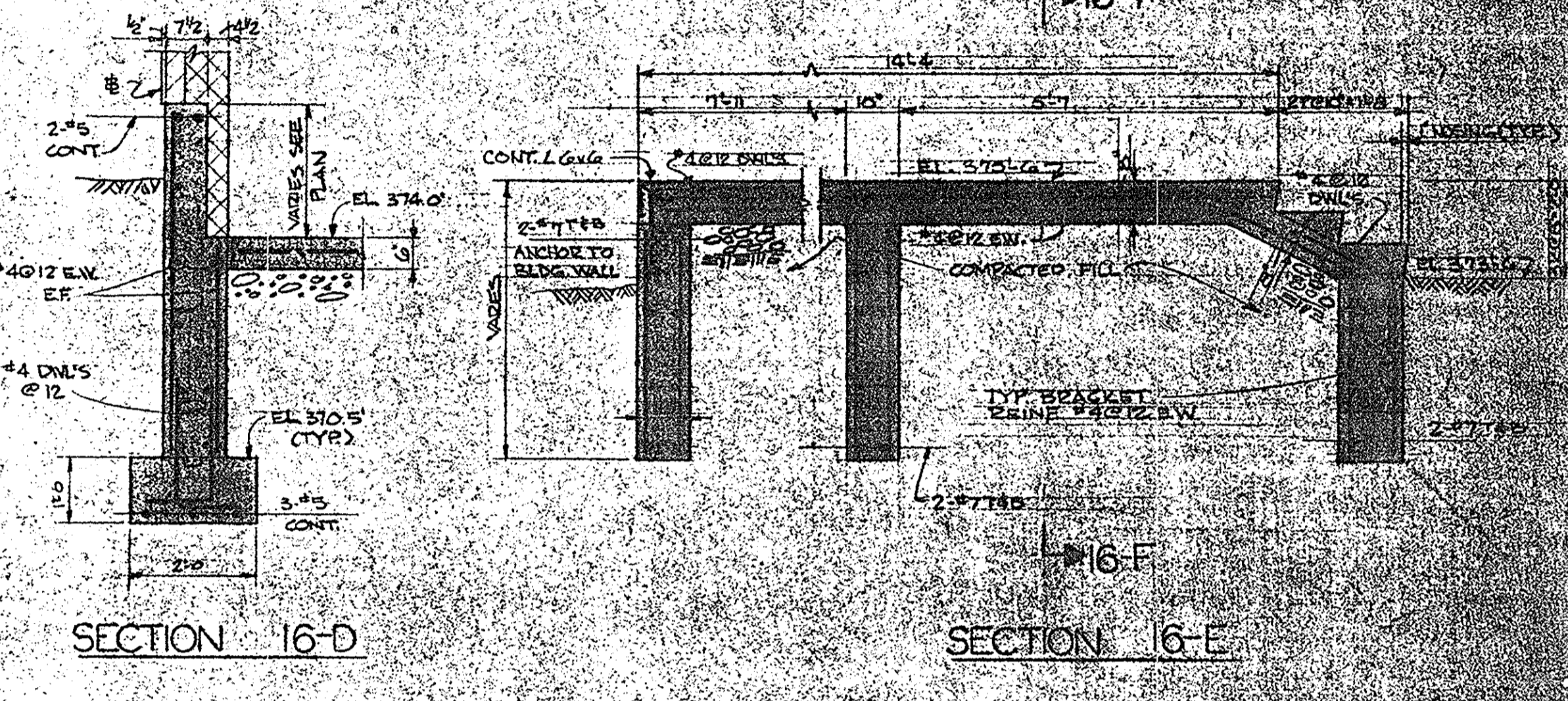
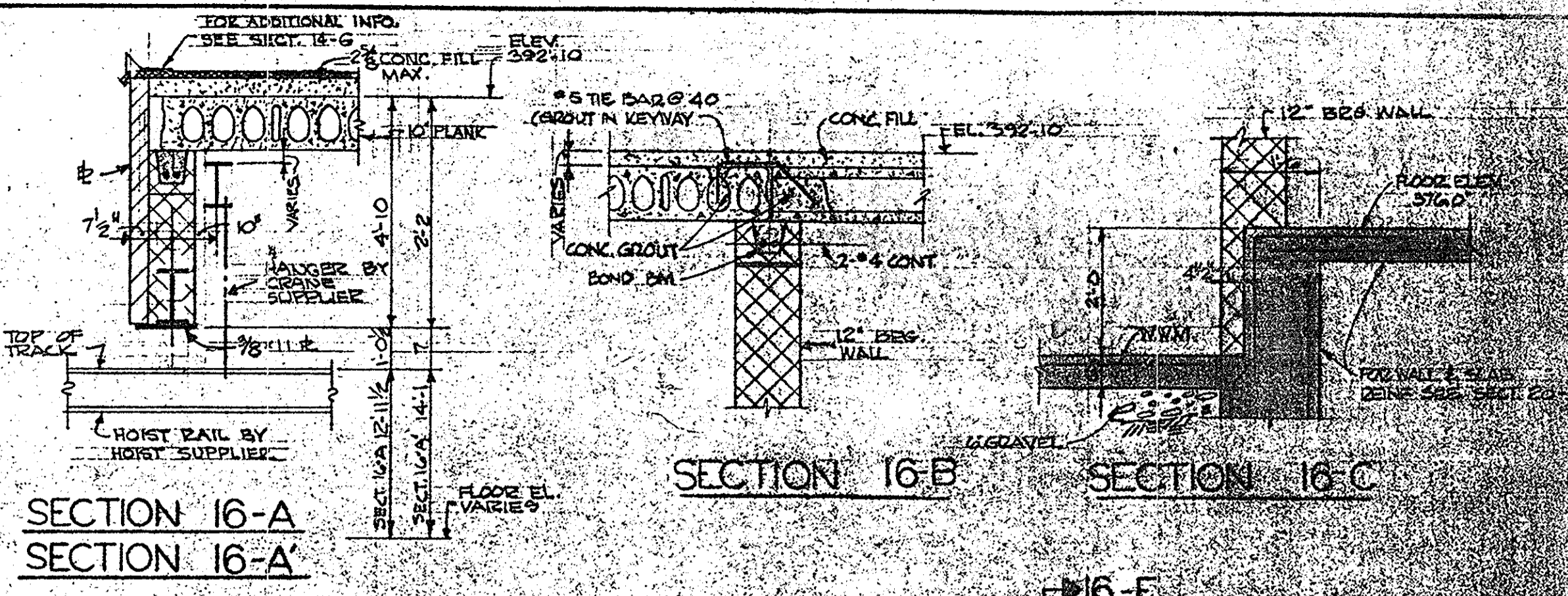
- 1. TOP OF ROOF PLANK ELEV. 392'-10"
- 2. TOP OF STRUCT. SHEET (P) OR (C) THEREFROM
- 3. SEE HOIST TRAIL LAYOUT BELOW
- 4. CONC. FILL OVER PLANKS TO BE PITCHED TOWARD DRAIN

MARK	MATERIAL	M.O.	SECTION	REMARKS
PL-1	22 3/8 x 3 1/2 x 3/16	3-4	JL	LOOSE
PL-2	10WF21 + E	4-4	16-A	LOOSE
PL-3	20 3/8 x 3 1/2 x 3/16	5-4	JL	LOOSE
PL-4	12 1/2 x 3 1/2 x 3/16	3-4	JL	LOOSE
PL-5	22 3/8 x 3 1/2 x 3/16	4-0	JL	LOOSE
PL-6	30 3/8 x 3 1/2 x 3/16	2-1	JL	LOOSE
PL-7	30 3/8 x 3 1/2 x 3/16 LLV	4-0	JL	LOOSE
PL-8	34 3/8 x 3 1/2 x 3/16	1-4	JL	LOOSE
PL-9	10WF21 + E	7-4	16-A	LOOSE



MONORAIL TRACK LAYOUT
SCALE 1/8" = 1'-0"

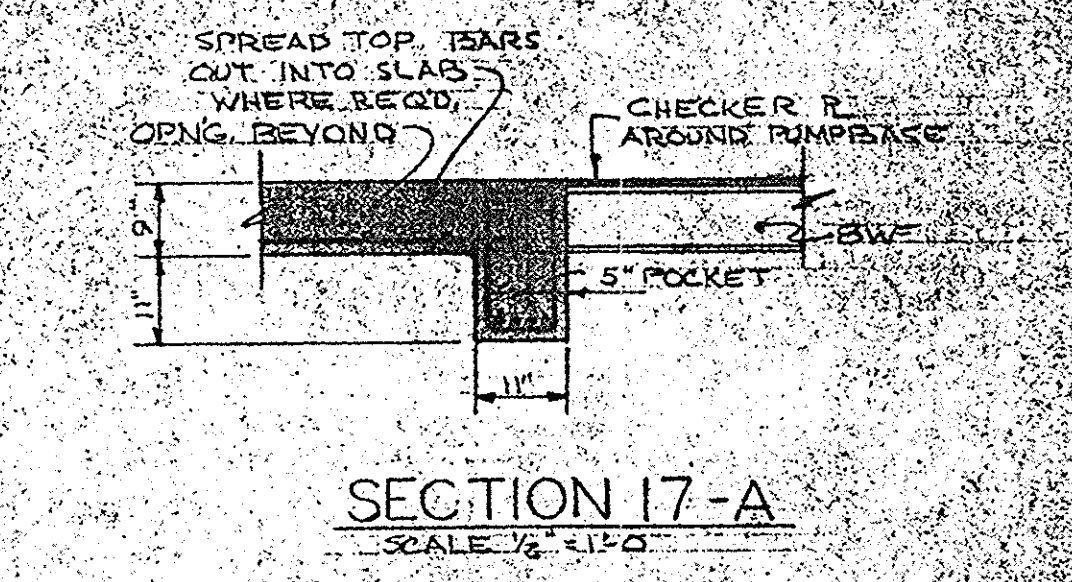
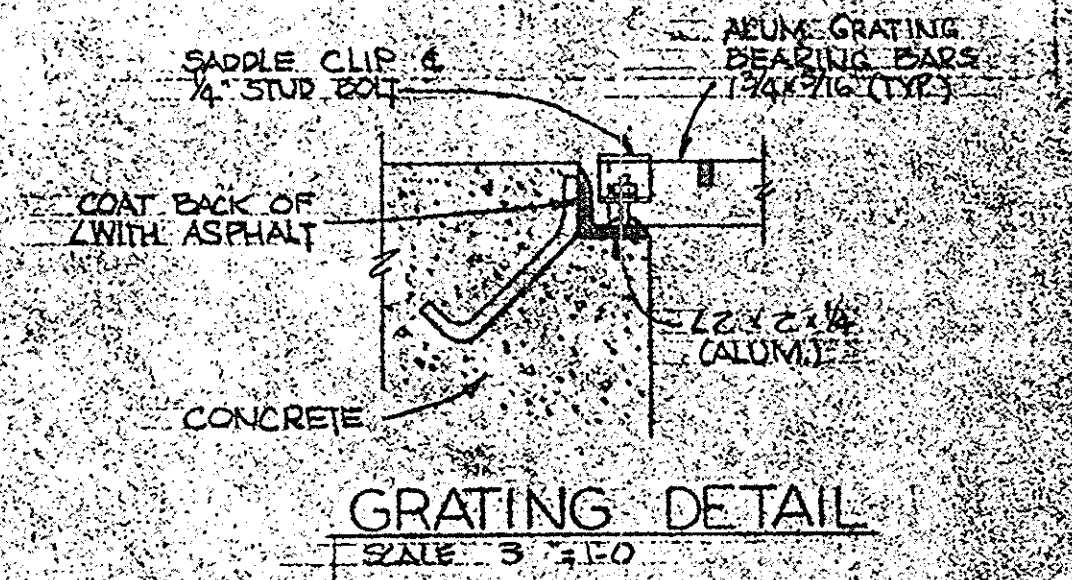
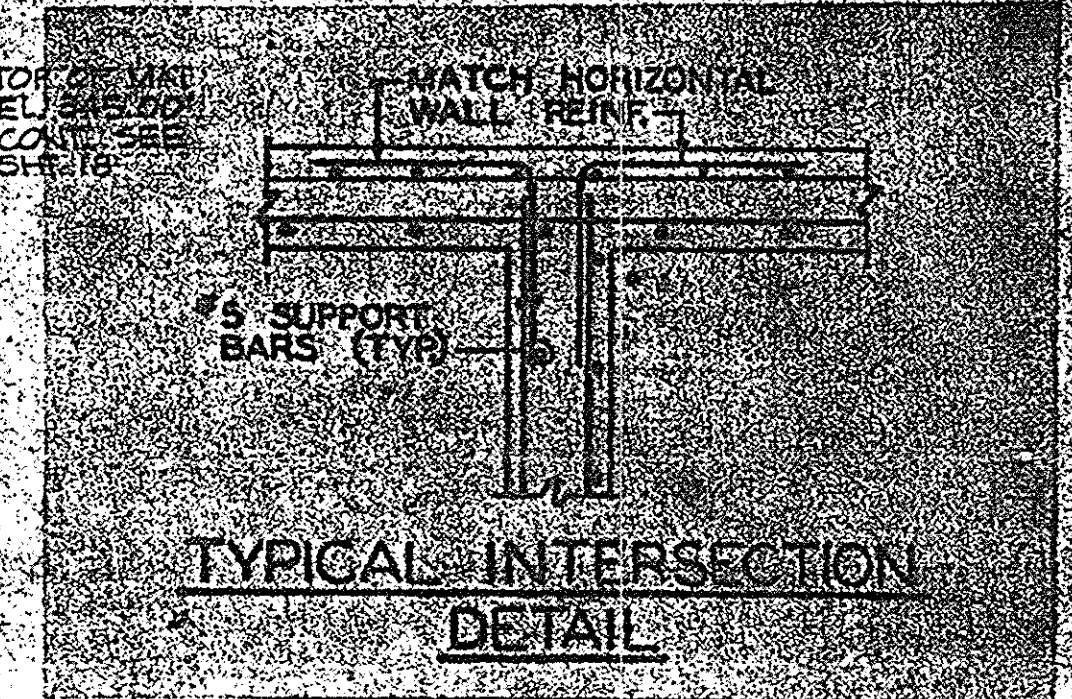
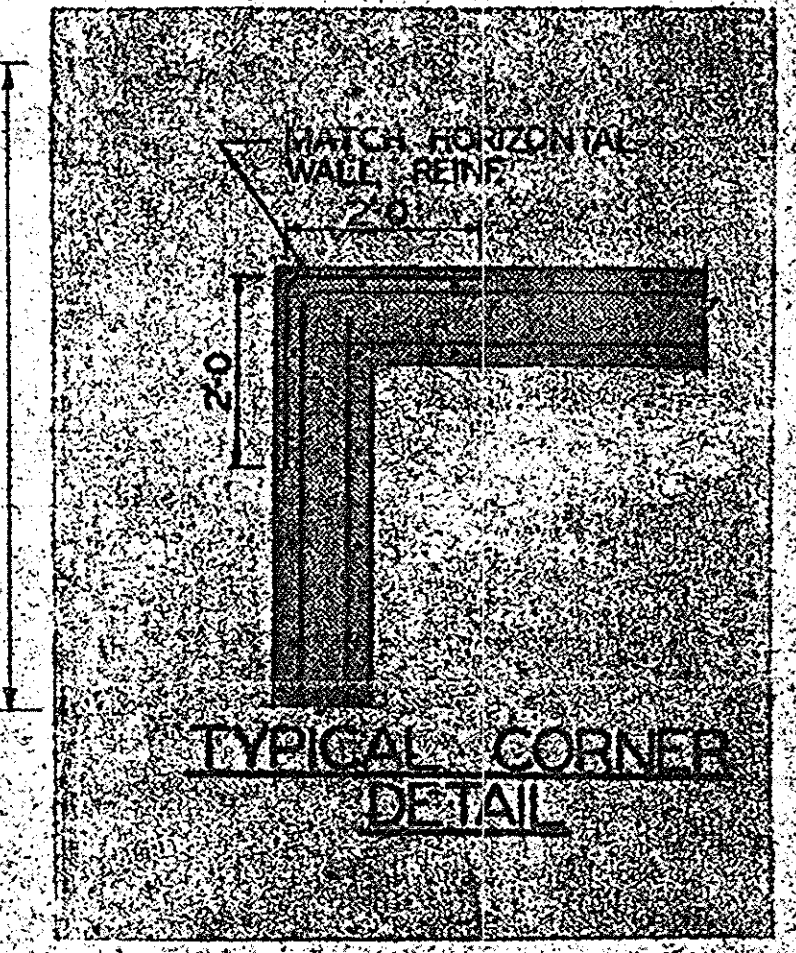
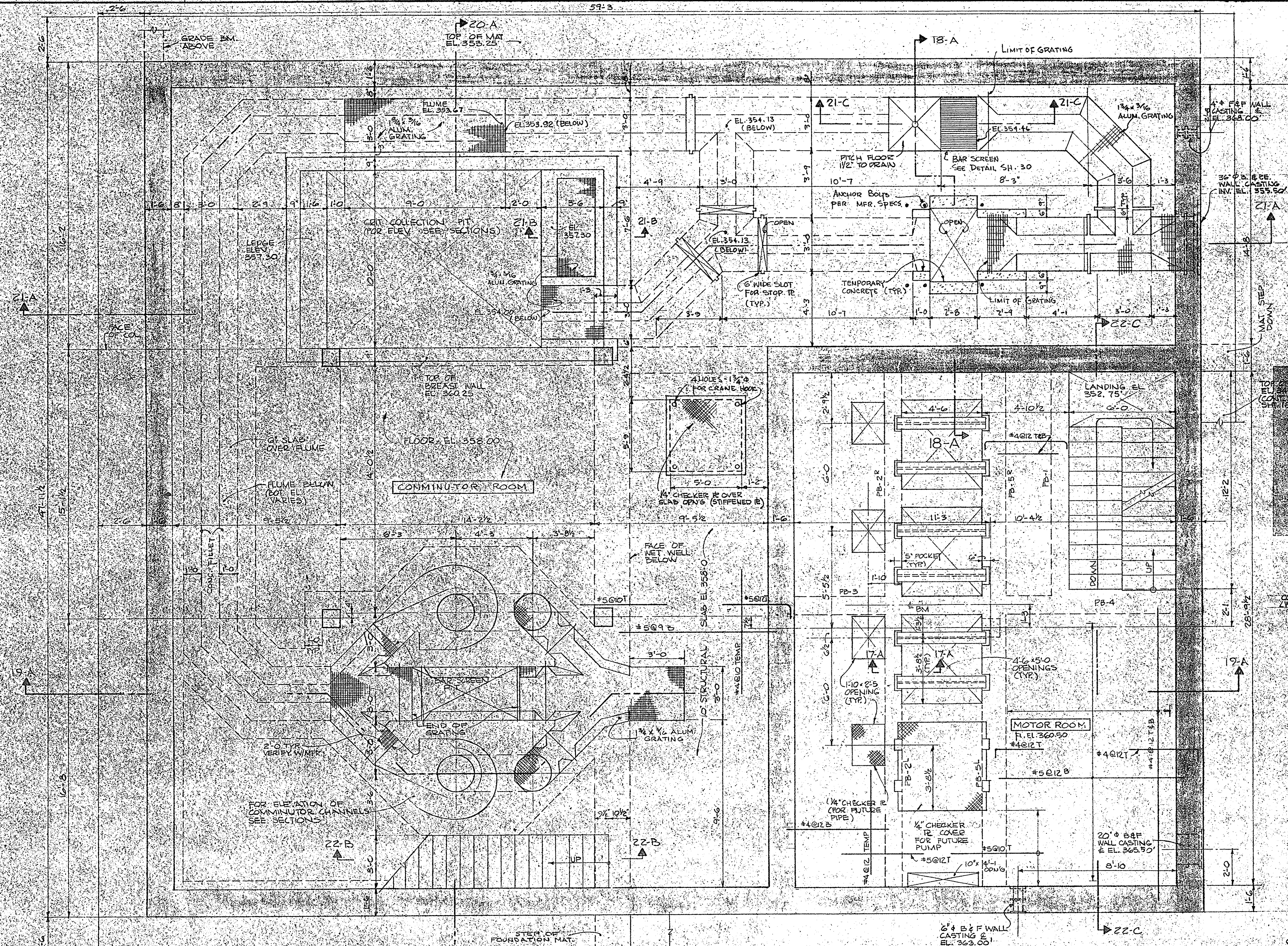
NOTE: TRACK DESIGNATION ACC. TO CLEVELAND TRAM RAIL CATALOG. SUBSTITUTES TO HAVE EQUAL DEPTH AND MOMENT OF INERTIA.



IN CHARGE OF P.A.L.
DESIGNED BY P.A.L.
DRAWN BY P.A.L.
CHECKED BY H.H.W.

ECKERLIN
KLEPPER
HAHN

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
RAW SEWAGE PUMPING STATION
STRUCTURAL
TOWN OF CICERO ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGGINS & ASSOCIATES
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK
DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO: 55-32-19F



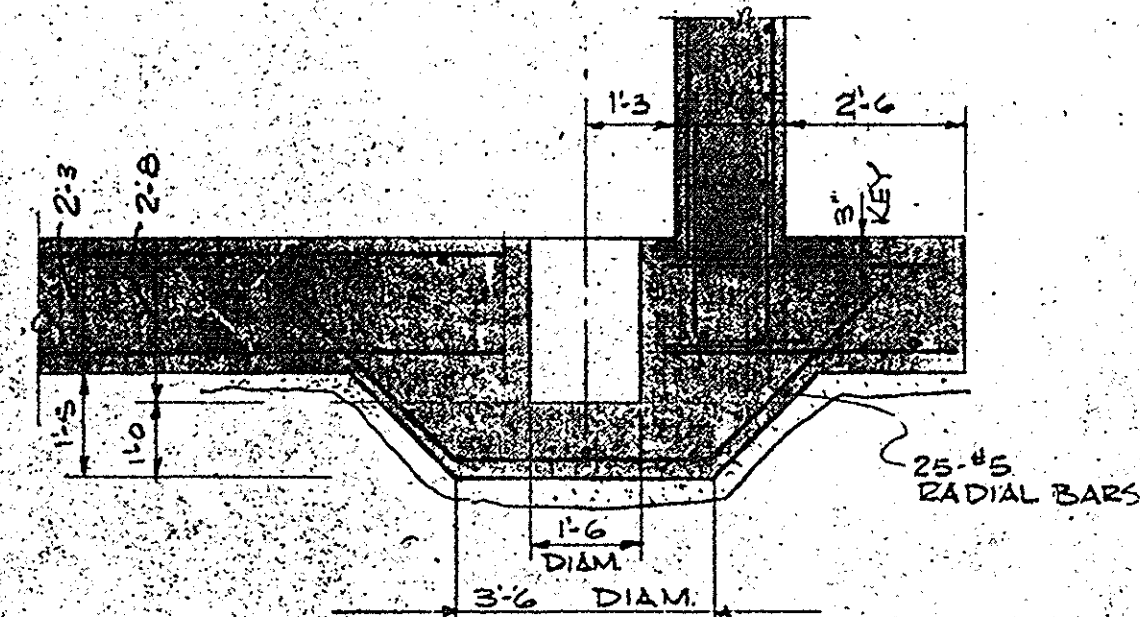
PLAN ABOVE EL. 360.50
 SCALE 3/8" = 1'-0"
 FOR DIM. SCHEDULE SEE SH.19

IN CHARGE OF: F.A.L.
 DESIGNED BY: D.H.
 DRAWN BY: R.M.D.
 CHECKED BY: H.H.W.

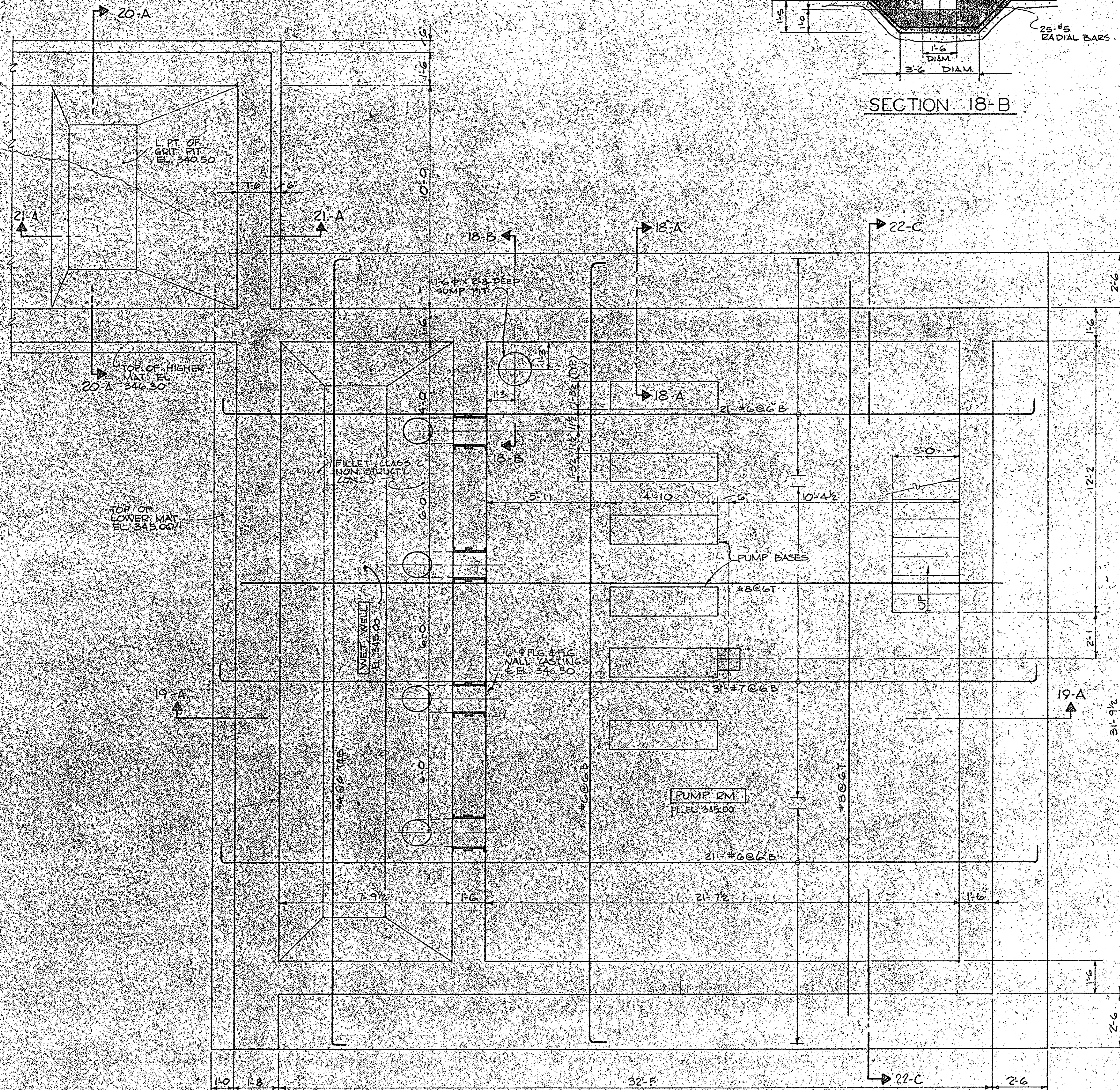
ECKERLIN CONSULTING
 KLEPPER ENGINEERS
 HAHN SURVEYORS
 SYRACUSE, N.Y.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
 BREWERTON WATER POLLUTION CONTROL PLANT
RAW SEWAGE PUMPING STATION
 STRUCTURAL

TOWN OF CICERO ONONDAGA CO., N.Y.
 BARTON, BROWN, CLYDE & LOGUIDICE
 CONSULTING ENGINEERS & LAND SURVEYORS
 NORTH SYRACUSE, NEW YORK
 DATE: FEBRUARY 1975
 SCALE: AS SHOWN
 FILE NO. 5532-20F



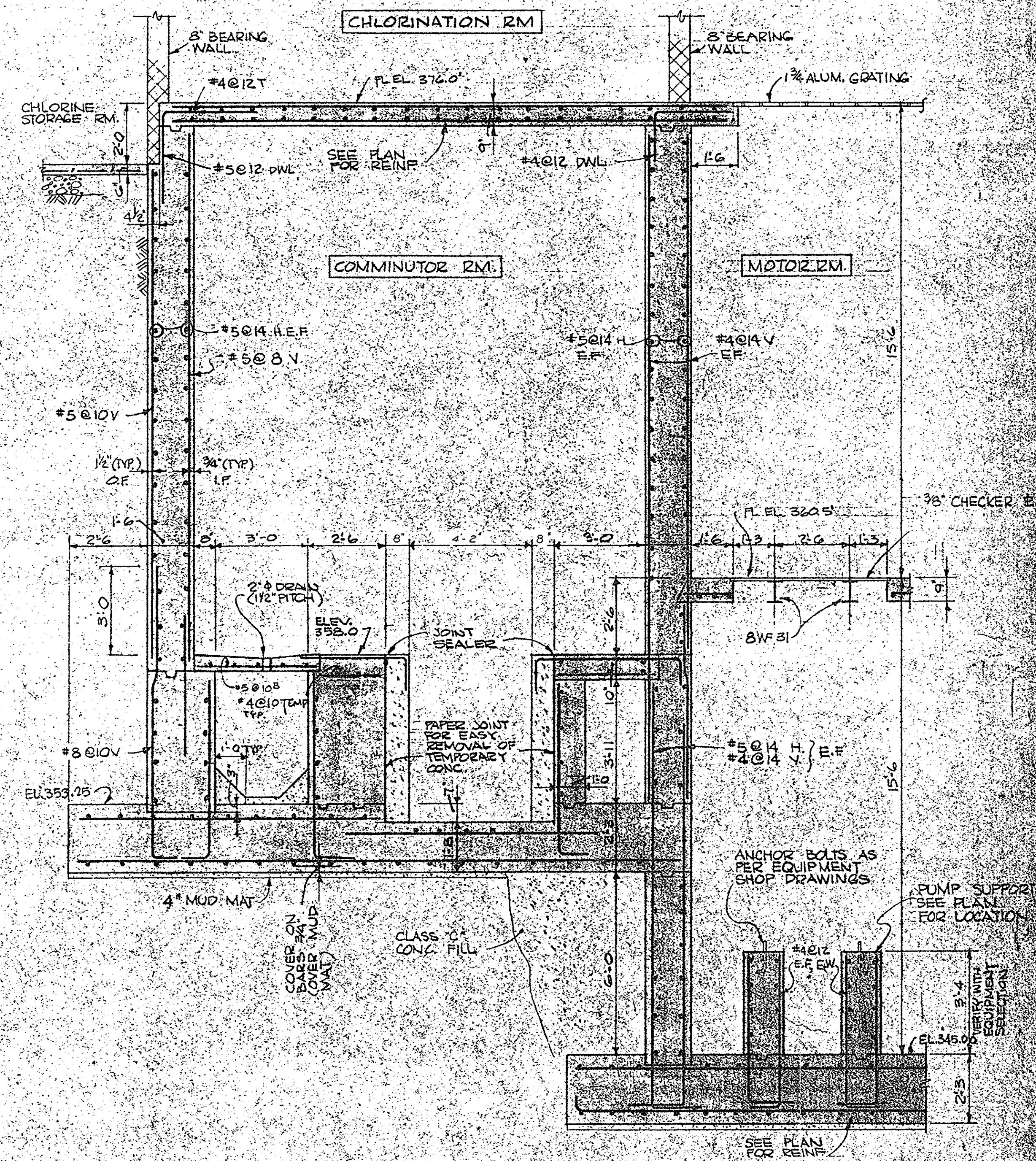
SECTION 18-B



PLAN AT EL. 345.00

SCALE 3/8" = 1'-0"

NOTE: EAST-WEST BARS IN OUTERMOST LAYER OF MAT



SECTION 18-A

SCALE 3/8" = 1'-0"

IN CHARGE OF: P.A.L.
DESIGNED BY: D.H.
DRAWN BY: R.M.D.
CHECKED BY: H.H.W.

ECKERLIN
KLEPPER
HAHN

CONSULTING
ENGINEERS
SYRACUSE, N.Y.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION
CONTROL PLANT
RAW SEWAGE PUMPING STATION
STRUCTURAL

TOWN OF CICERO ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 55.32-21F

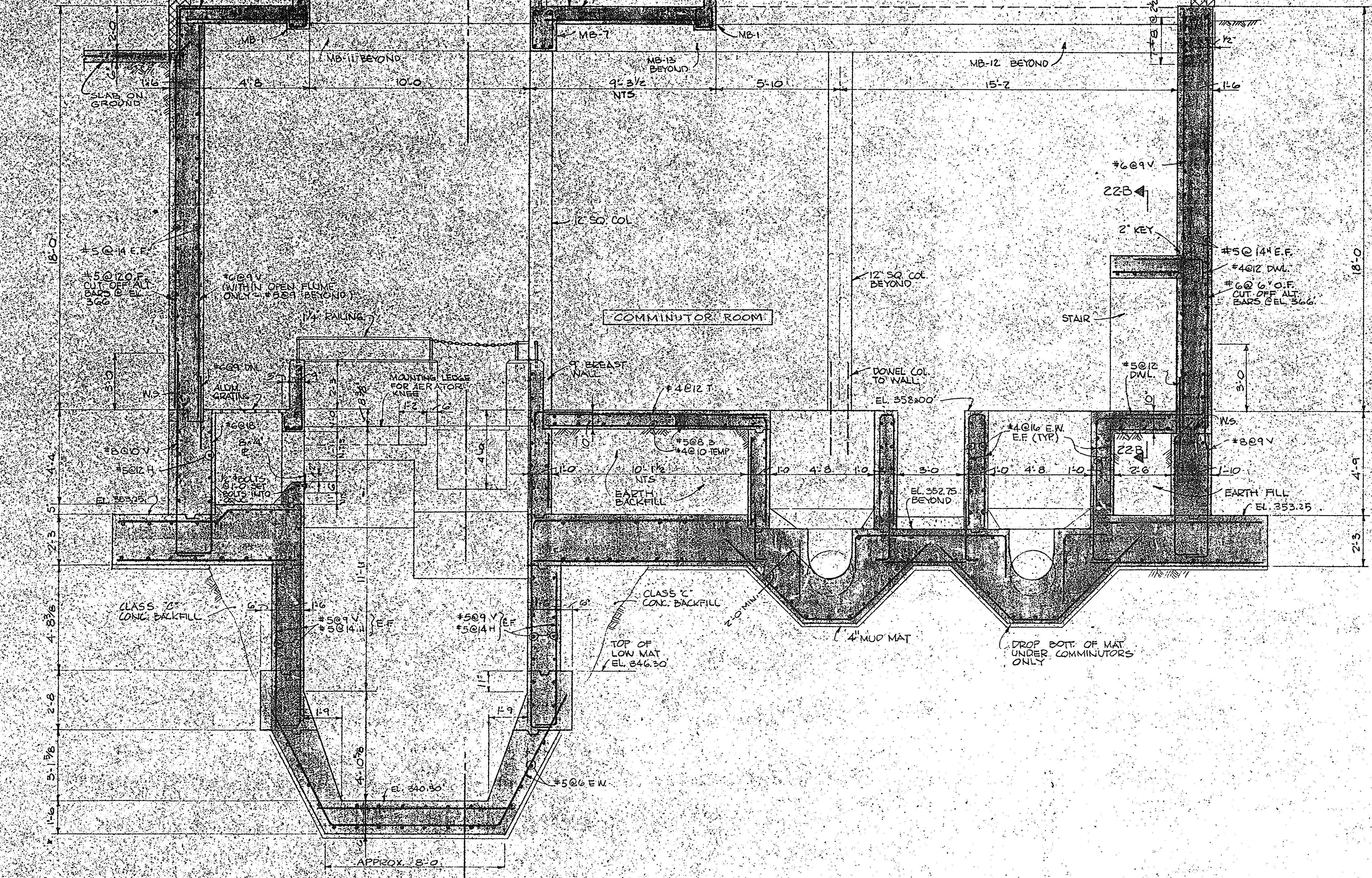
REVISIONS

CHLORINE STORAGE ROOM

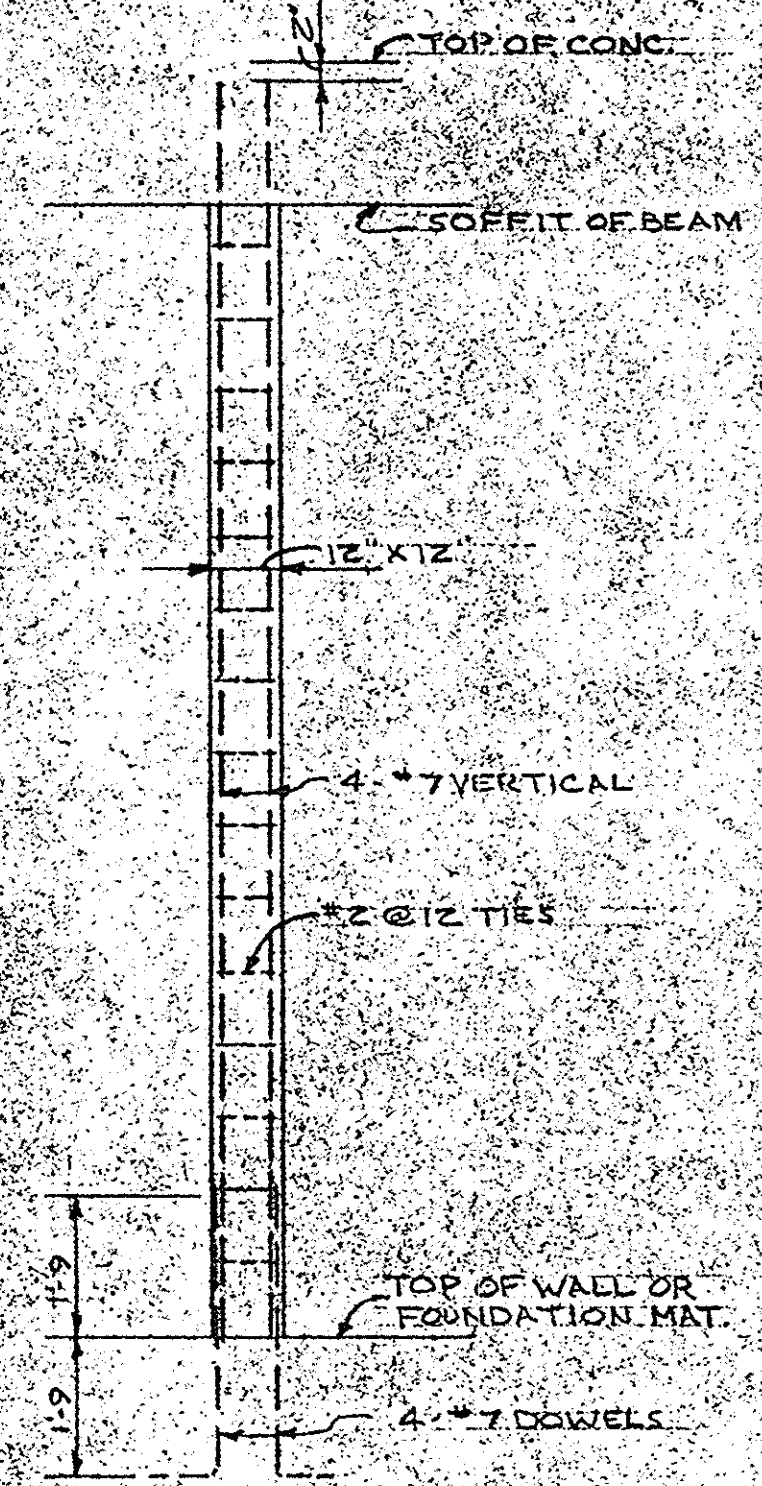
MAIN ROOM
EL. 376.00

GRIT REMOVAL ROOM

COMMINUTOR ROOM



SECTION 20-A
SCALE 3/8"=1'-0" DO NOT SCALE DWG



TYPICAL REINFORCED CONCRETE COLUMN
NO SCALE

IN CHARGE OF: F.A.L.
DESIGNED BY: D.H.
DRAWN BY: P.J.L., R.M.D.
CHECKED BY: H.H.W.

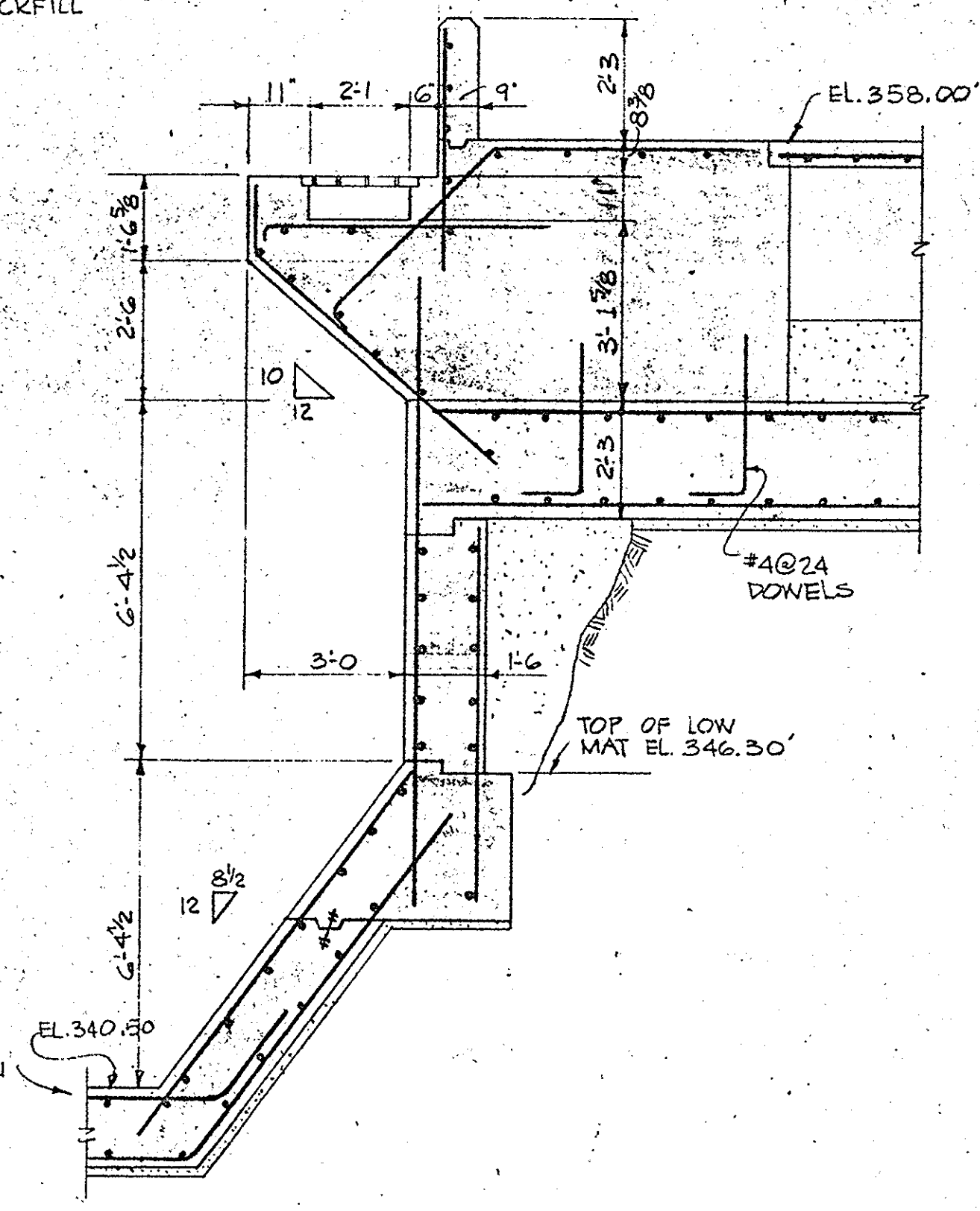
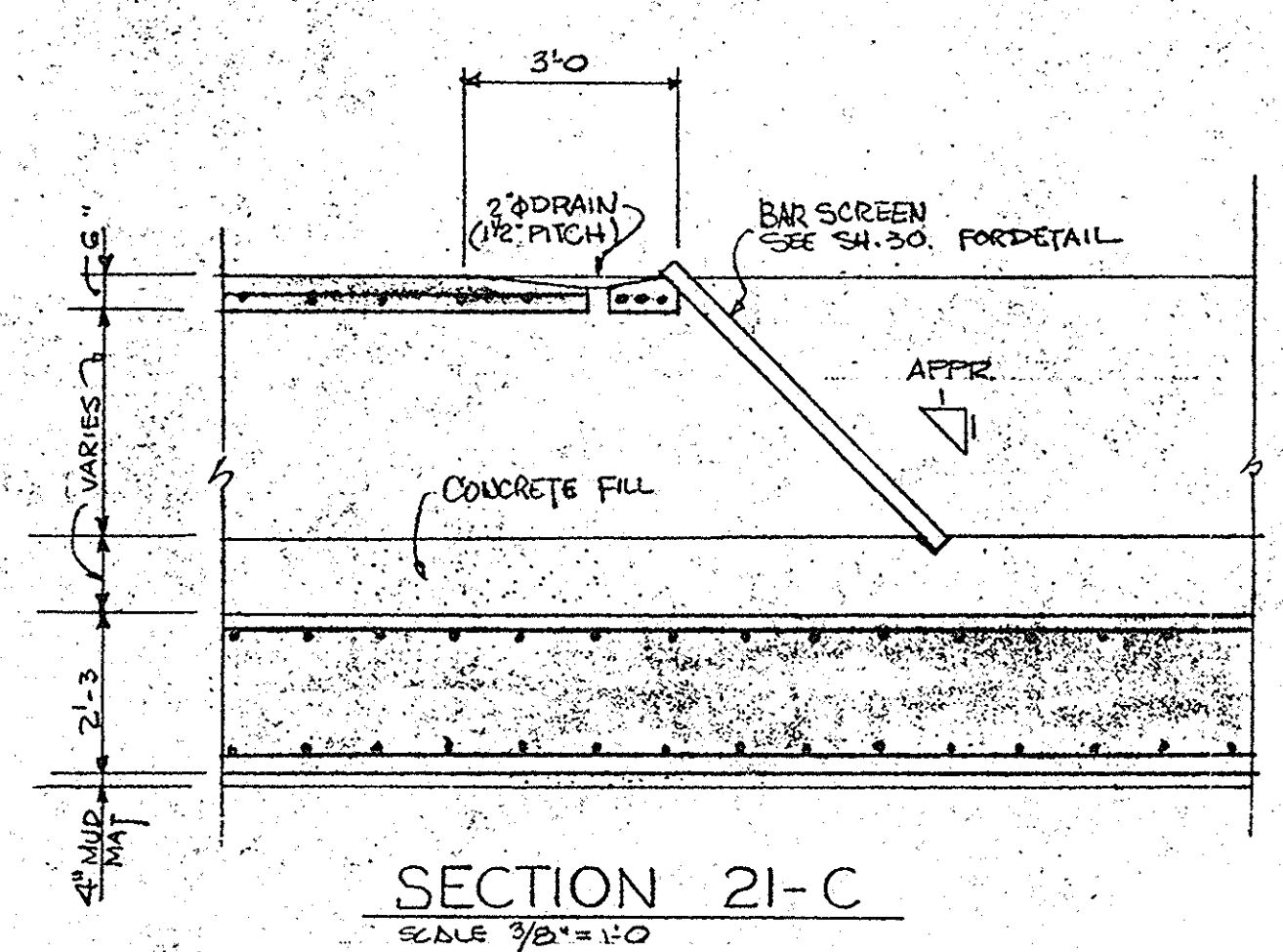
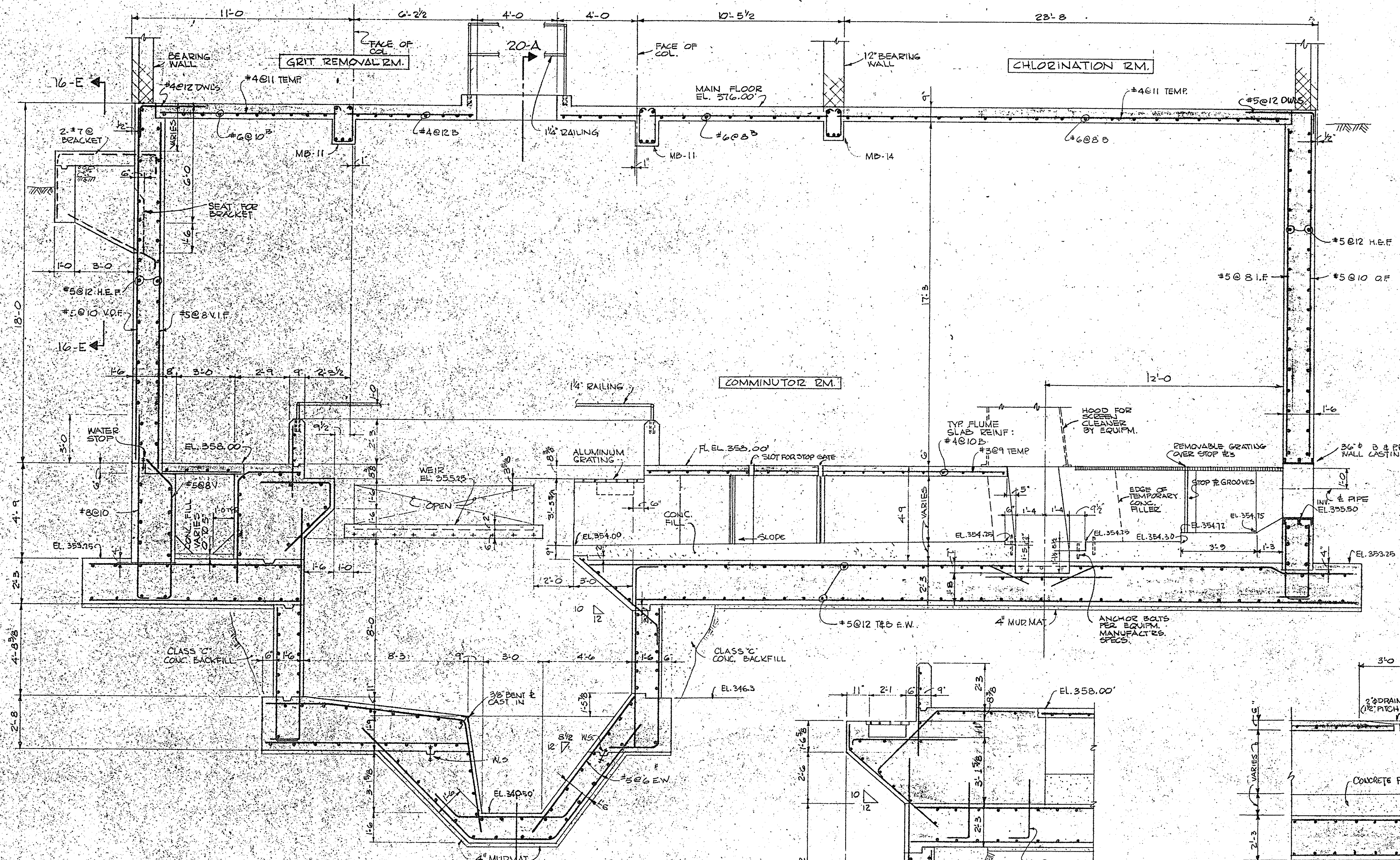
EGGERLIN
KLEPPER
HAIN

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION
CONTROL PLANT
RAW SEWAGE PUMPING STATION
STRUCTURAL

TOWN OF CICERO ONONDAGA CO., N.Y.

BARTON, BROWN, CLYDE & LOGUIDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 55.32-23F



IN CHARGE OF: F.A.L.
 DESIGNED BY: D.H.
 DRAWN BY: R.M.D.
 CHECKED BY: H.H.W.

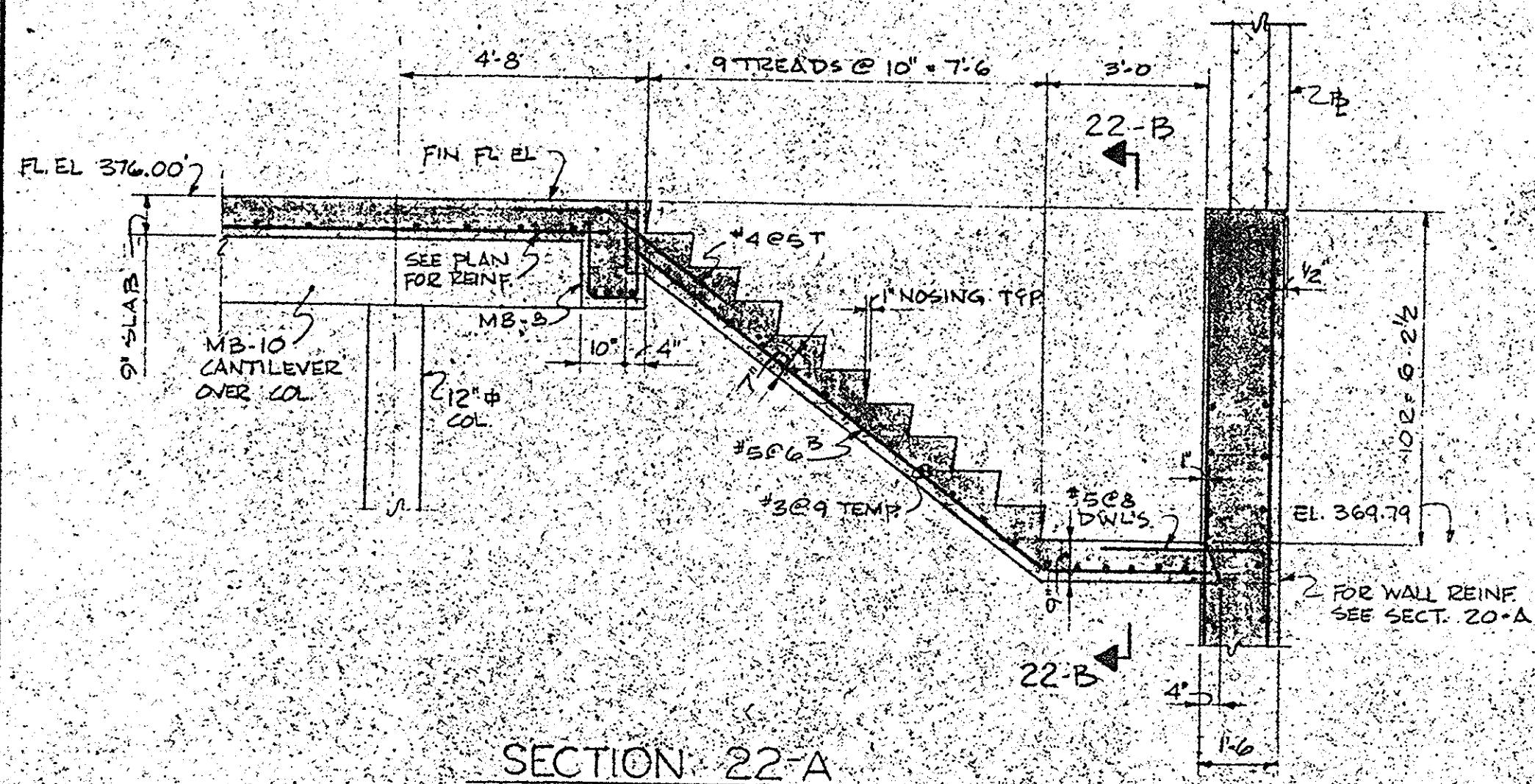
ECKERLIN CONSULTING
 KLEPPER ENGINEERS
 HAHN STRUCTURE, INC.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
 BREWERTON WATER POLLUTION CONTROL PLANT
RAW SEWAGE PUMPING STATION
 STRUCTURAL

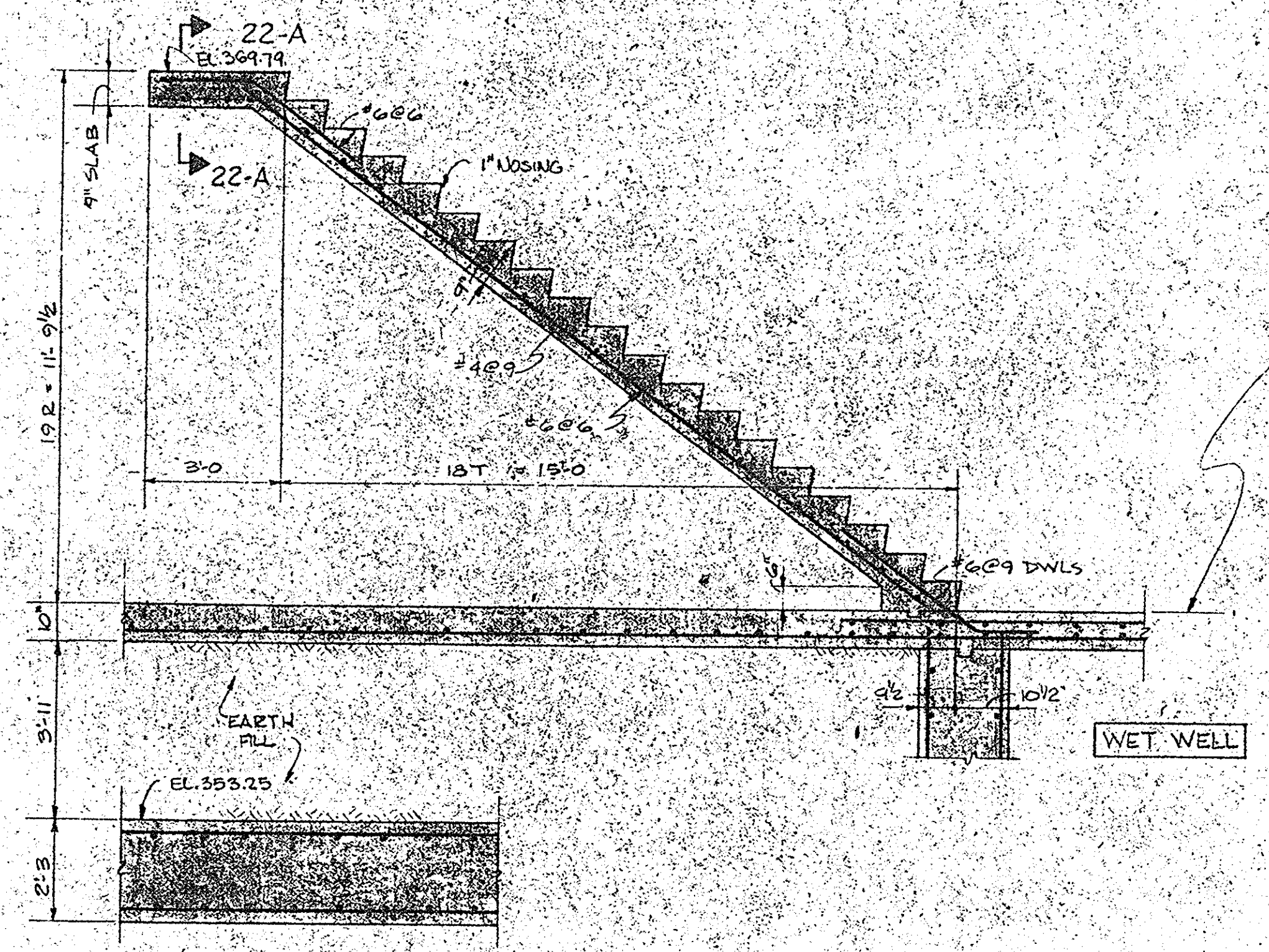
TOWN OF CICERO ONONDAGA CO., N.Y.

BARTON, BROWN, CLYDE & LOGUIDICE
 CONSULTING ENGINEERS & LAND SURVEYORS
 NORTH SYRACUSE, NEW YORK

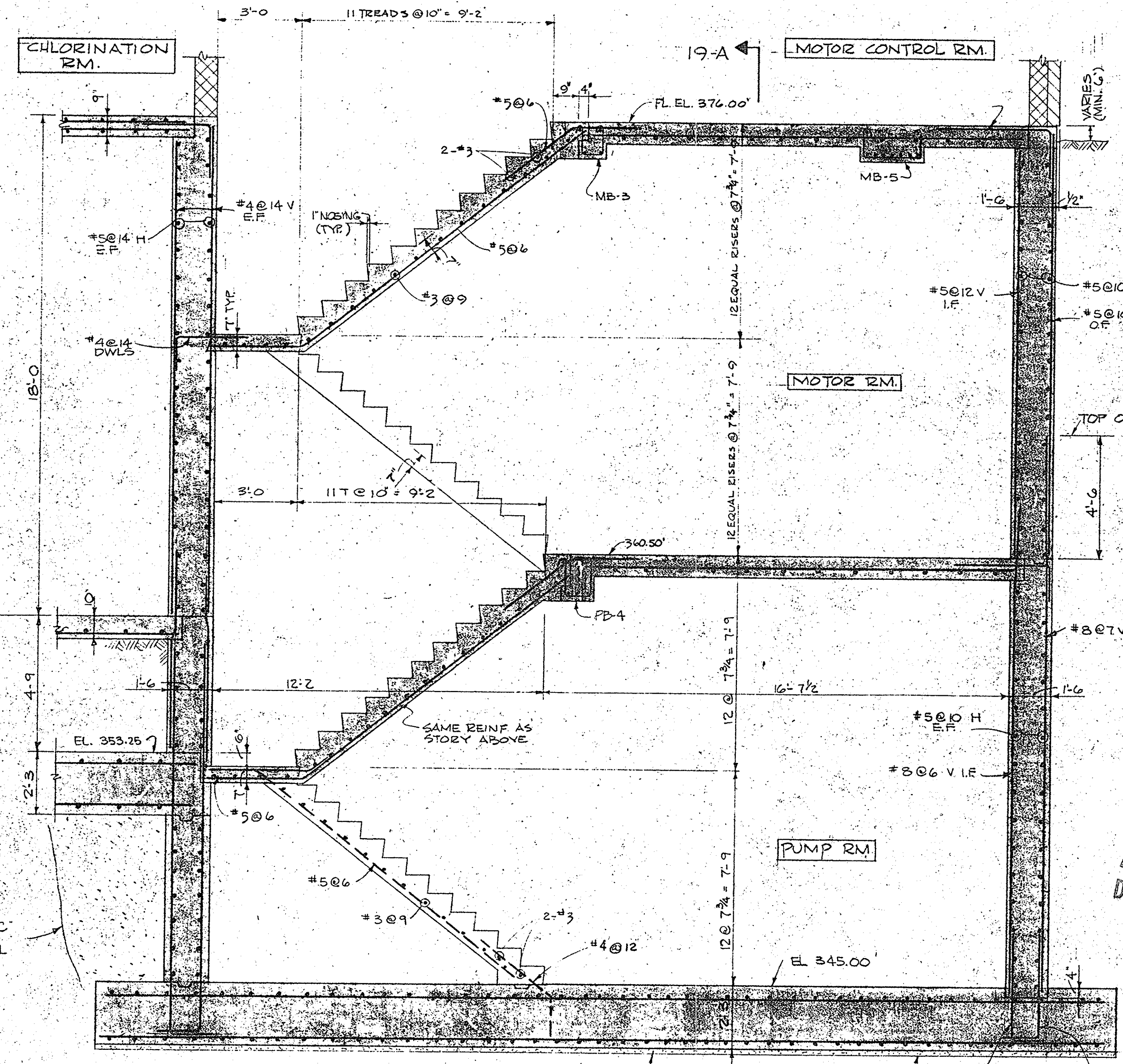
DATE: FEBRUARY 1975
 SCALE: AS SHOWN
 FILE NO.: 55.32-24F



SECTION 22-A
SCALE 3/8"=1'-0"



SECTION 22-B
SCALE 3/8"=1'-0"



SECTION 22-C
SCALE 3/8"=1'-0"

ARCHIVE DRAWINGS
DO NOT REMOVE FROM OFFICE
THIS STAMP IS IN RED INK

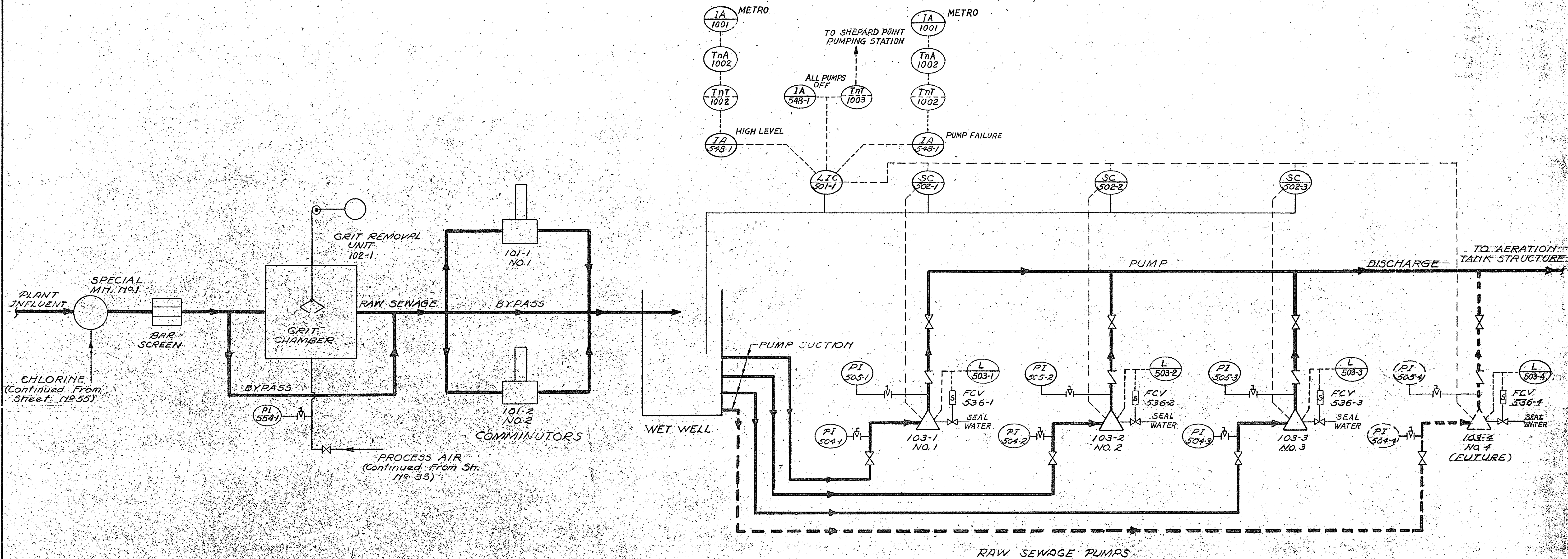
IN CHARGE OF: F.A.L.
DESIGNED BY: D.H.
DRAWN BY: R.M.D.
CHECKED BY: H.M.W.

ECKERLIN
KLEPPER
HAHN CONSULTING ENGINEERS

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
RAW SEWAGE PUMPING STATION STRUCTURAL

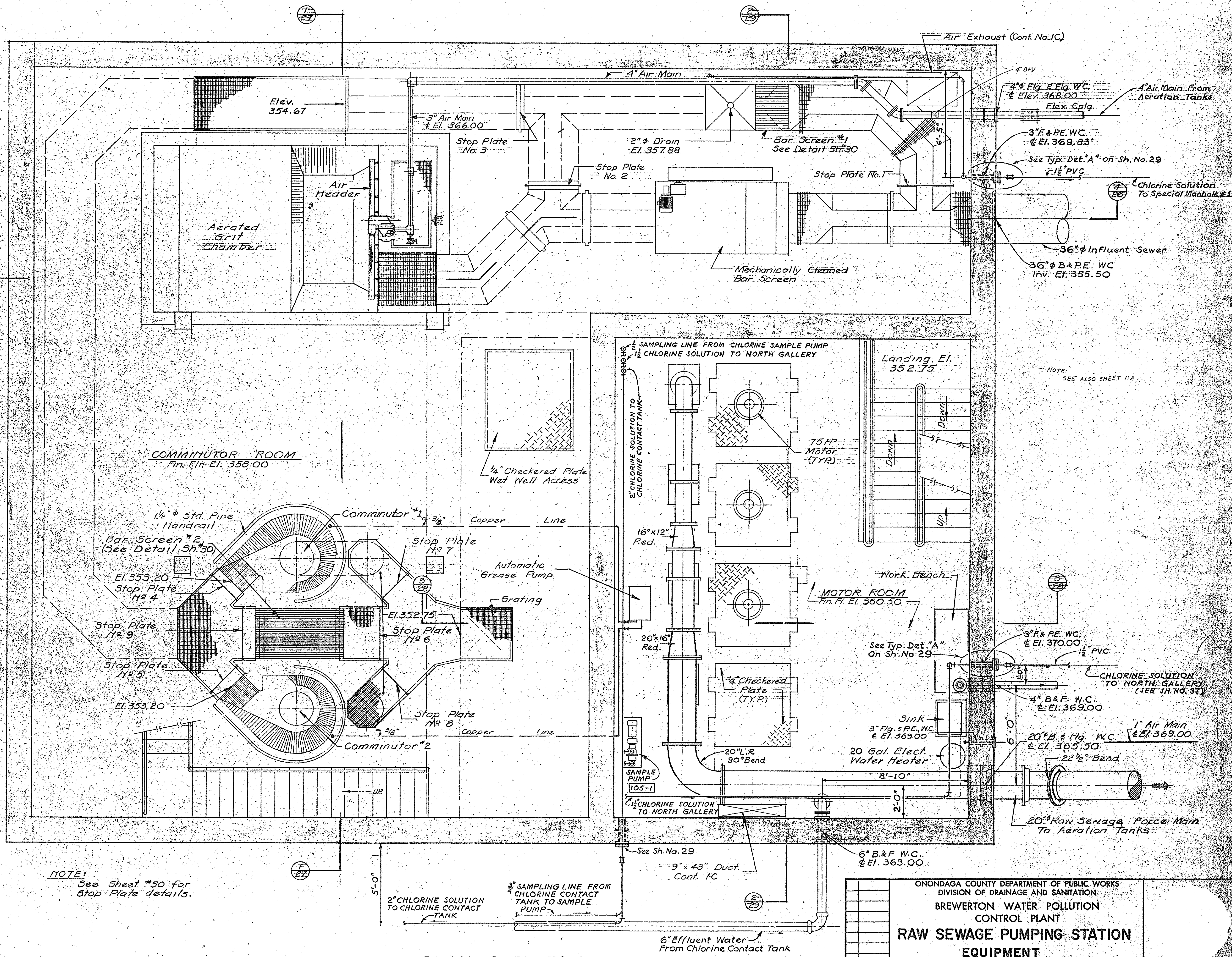
TOWN OF CICERO ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 5532-25F



IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: B.M.P.
 CHECKED BY: J.C.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
FLOW DIAGRAM	
RAW SEWAGE	
TOWN OF CICERO	ONONDAGA CO., N. Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: NONE FILE NO.: 5532-26F
REVISIONS	23

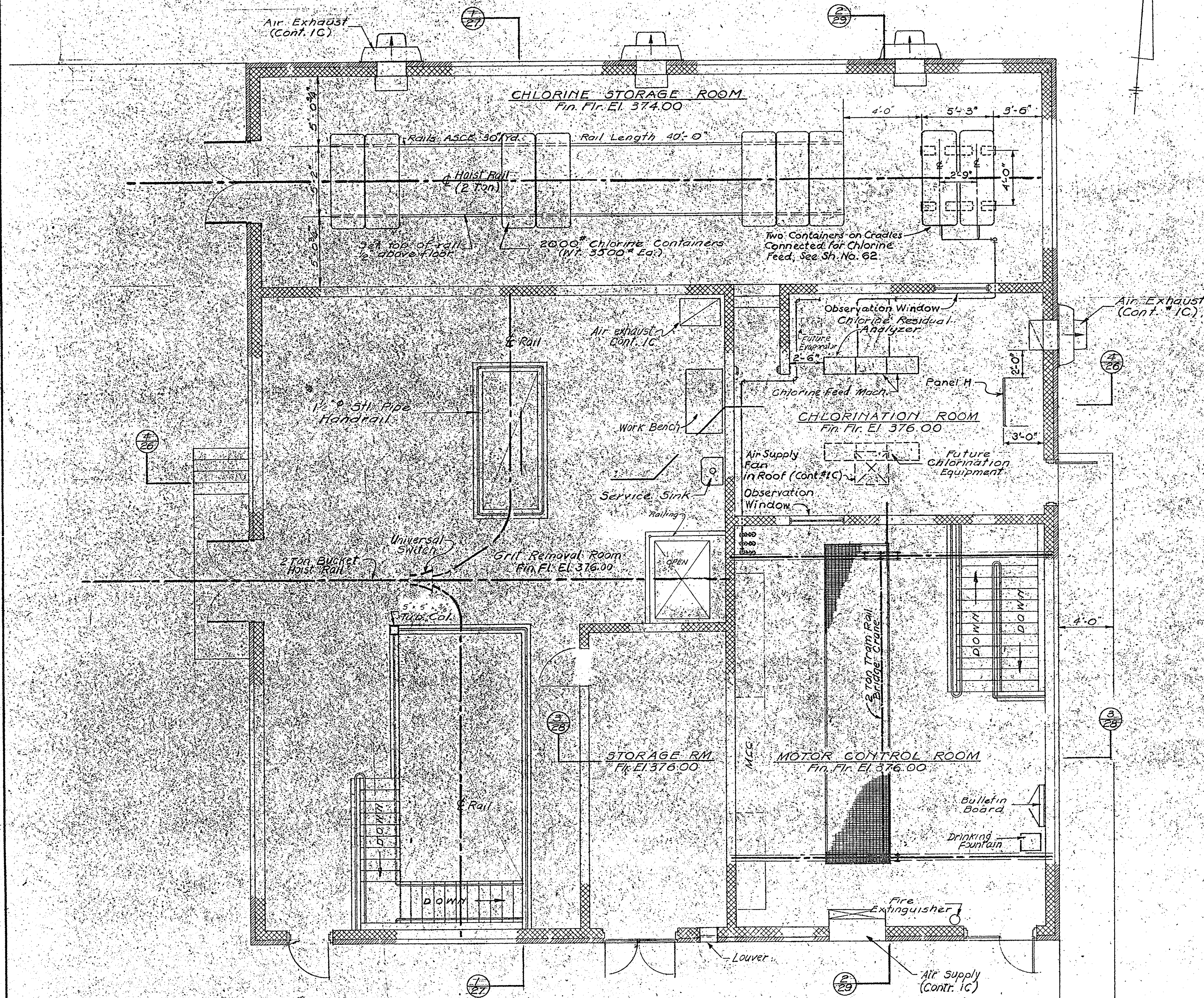


NOTE:
See Sheet #50 for
stop plate details.

PLAN @ EL. 370.00
Scale: 3/8" = 1'-0"

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT RAW SEWAGE PUMPING STATION EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N. Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	
DATE: FEBRUARY 1975	SCALE: AS SHOWN
FILE NO.: 55.32-27F	24

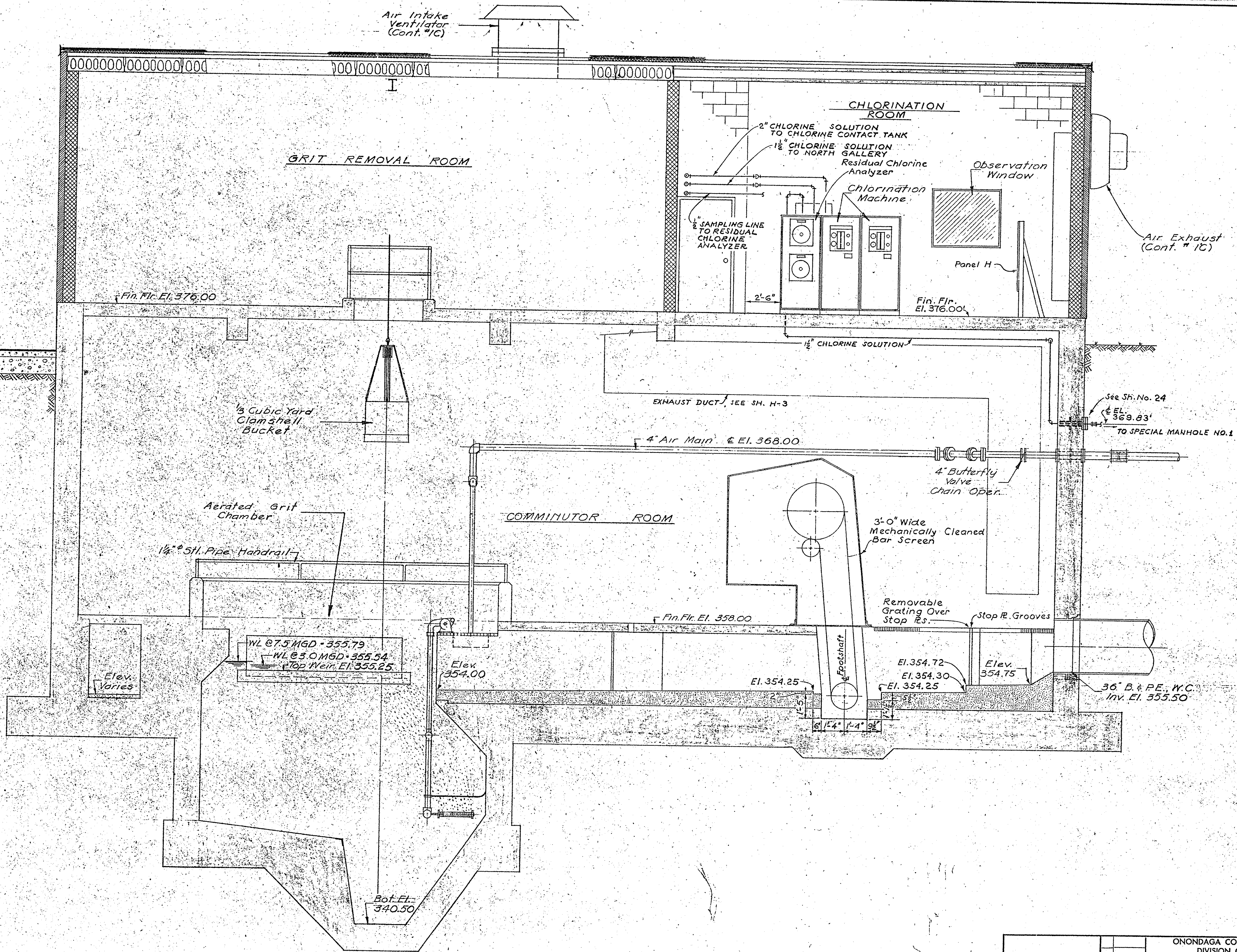
IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: F.M.K.
 CHECKED BY: D.C.M.



PLAN @ EL. 382.00
Scale: 1/4" = 1'-0"

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: F.N.K.
CHECKED BY: D.C.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION		DATE: FEBRUARY 1975	
BREWERTON WATER POLLUTION CONTROL PLANT		SCALE: AS SHOWN	
RAW SEWAGE PUMPING STATION EQUIPMENT		FILE NO.: 55.32-28F	
TOWN OF CICERO ONONDAGA CO., N.Y.		25	
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK			
REVISIONS			



SECTION $\frac{A}{21}$ - $\frac{A}{22}$
 Scale: $\frac{3}{8}'' = 1'-0''$

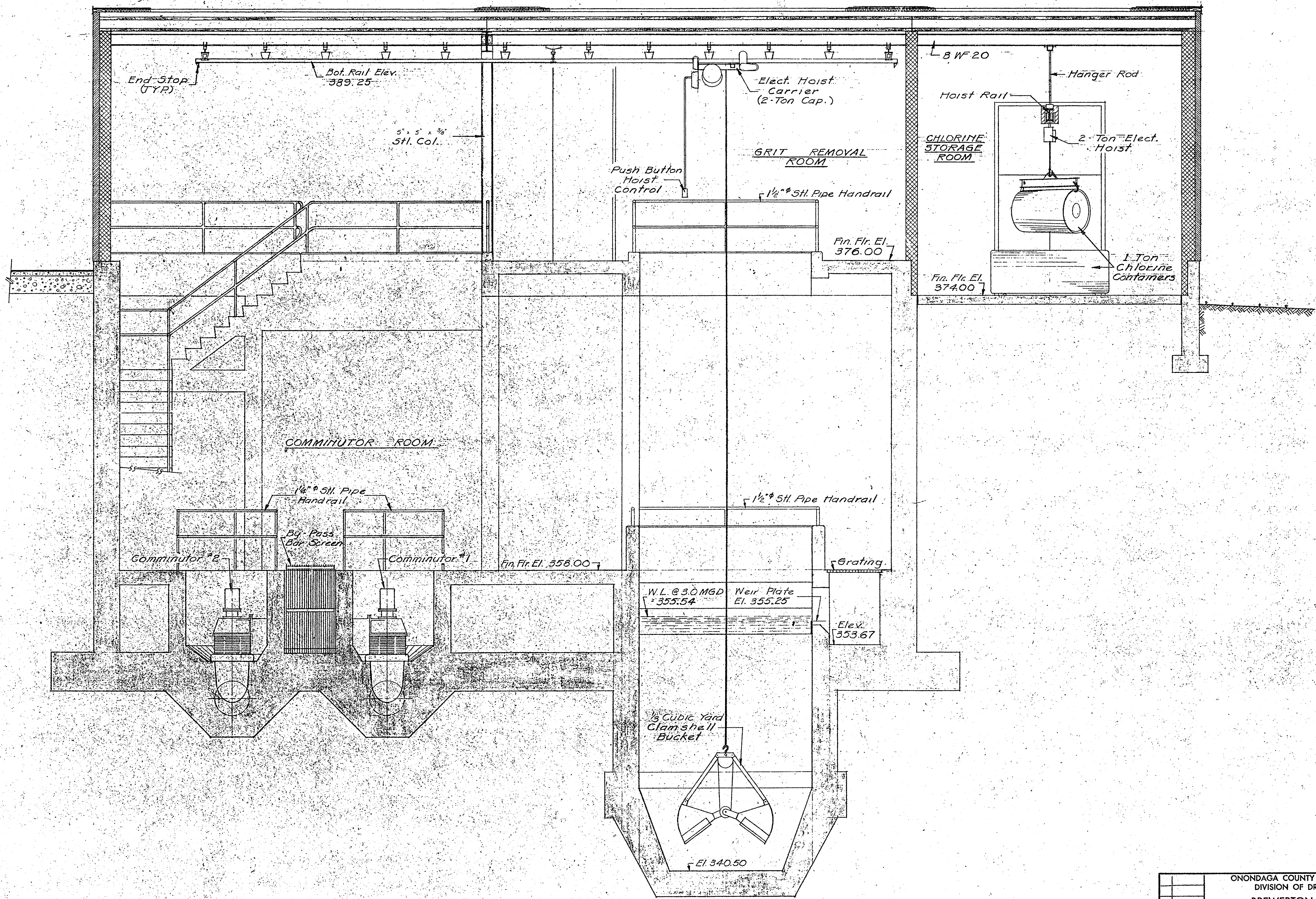
IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: F.N.K.
 CHECKED BY: D.C.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
 BREWERTON WATER POLLUTION
 CONTROL PLANT
RAW SEWAGE PUMPING STATION
 EQUIPMENT

TOWN OF CICERO ONONDAGA CO., N.Y.

BARTON, BROWN, CLYDE & LOGUIDICE
 CONSULTING ENGINEERS & LAND SURVEYORS
 NORTH SYRACUSE, NEW YORK

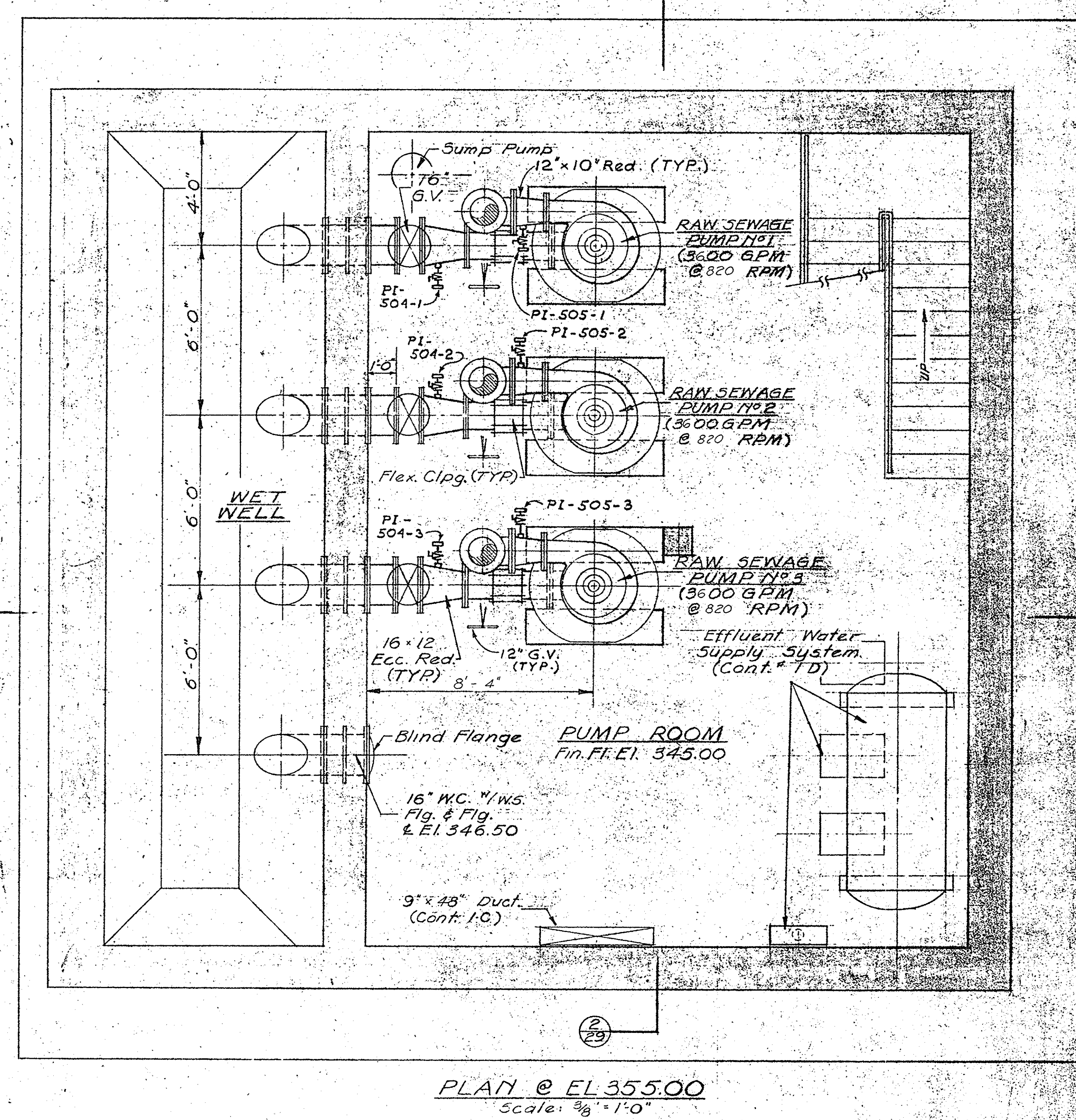
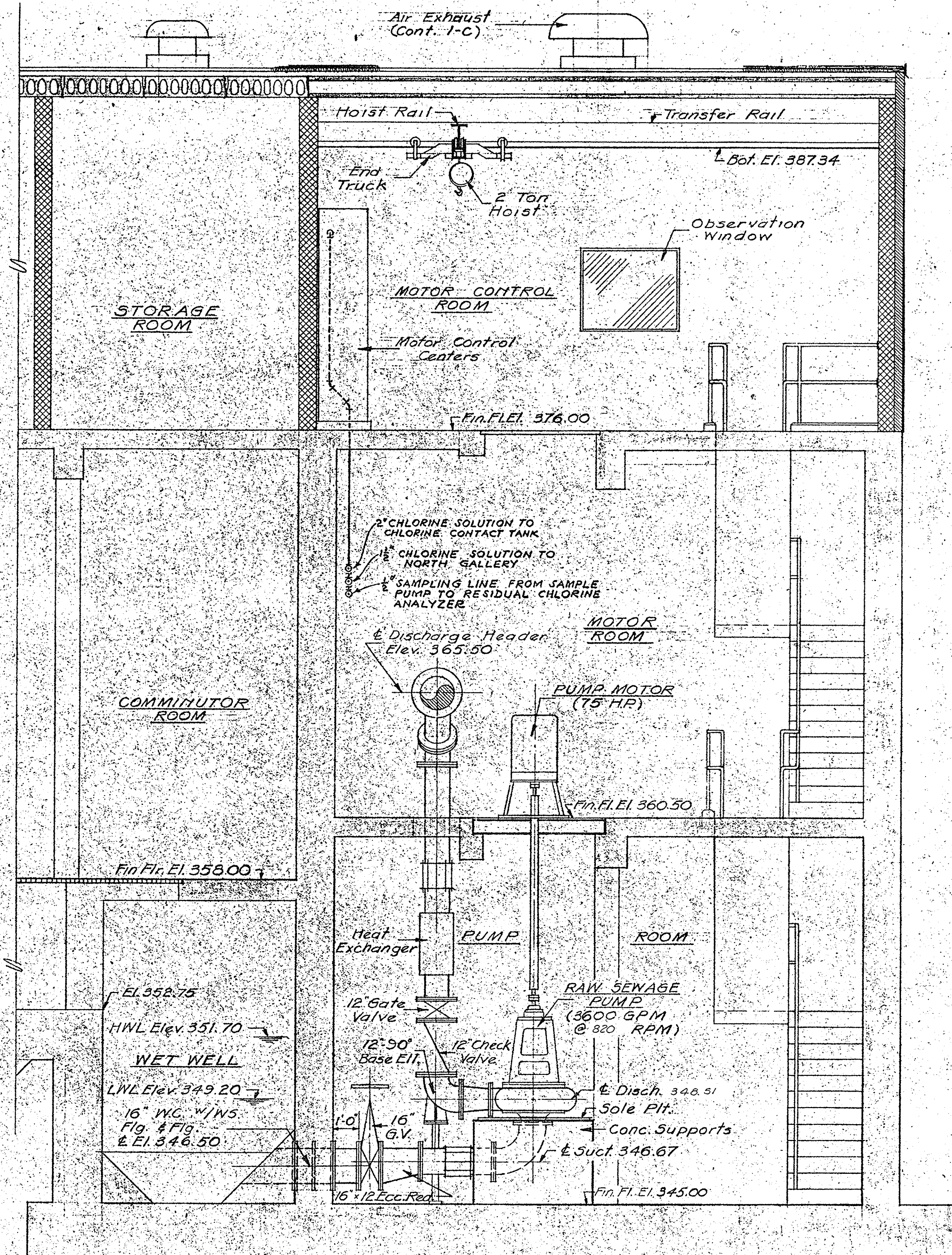
DATE: FEBRUARY 1975
 SCALE: AS SHOWN



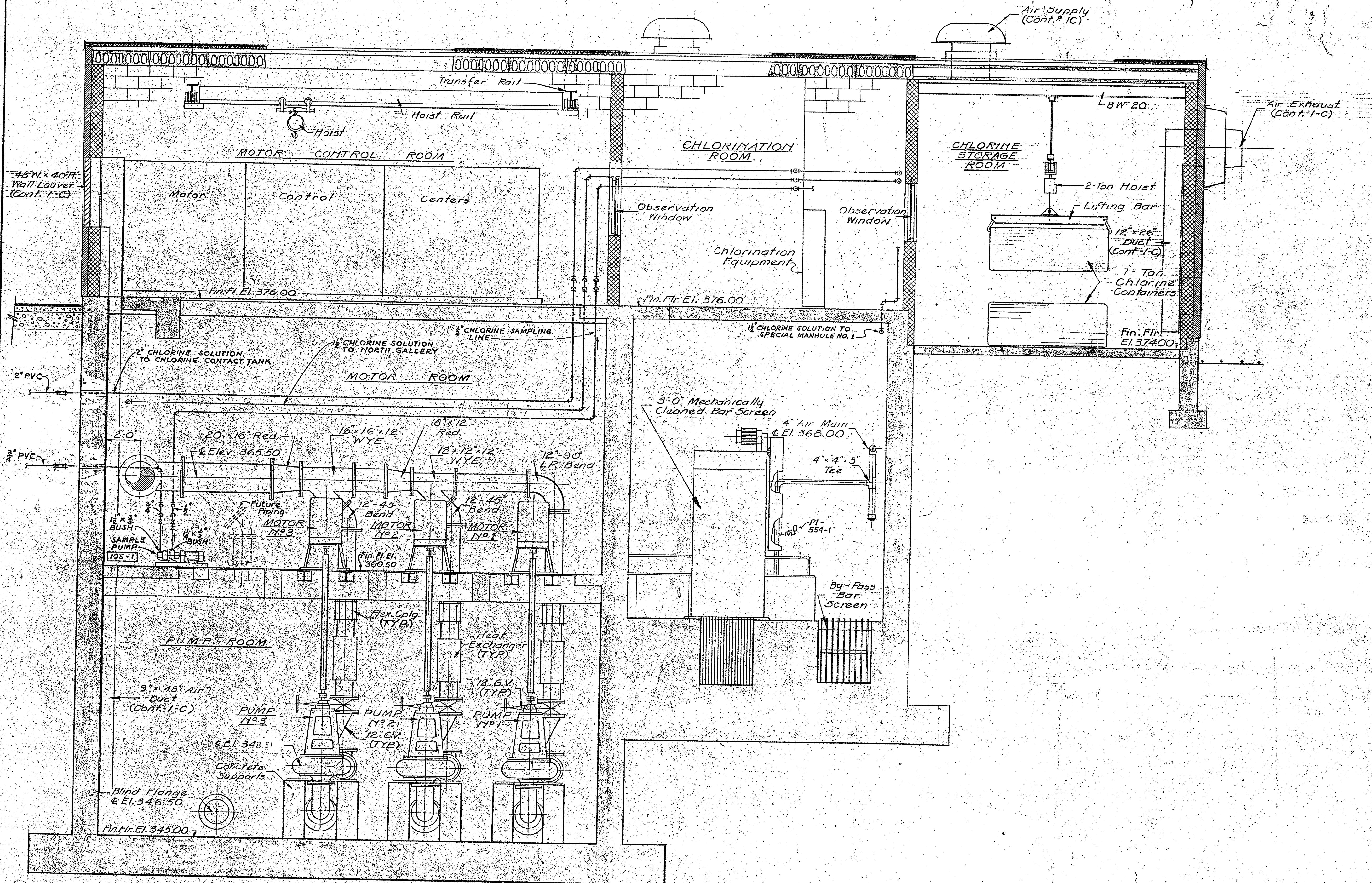
SECTION $\frac{24}{25}$
 Scale: $\frac{3}{8}'' = 1'-0''$

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT RAW SEWAGE PUMPING STATION EQUIPMENT	
TOWN OF CICERO ONONDAGA CO., N. Y.	
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: $\frac{3}{8}'' = 1'-0''$ FILE NO. 55.32-30F
REVISIONS	27

IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: E.W.K.
 CHECKED BY: J.C.M.



ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
RAW SEWAGE PUMPING STATION EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N. Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO.: 5532-31F

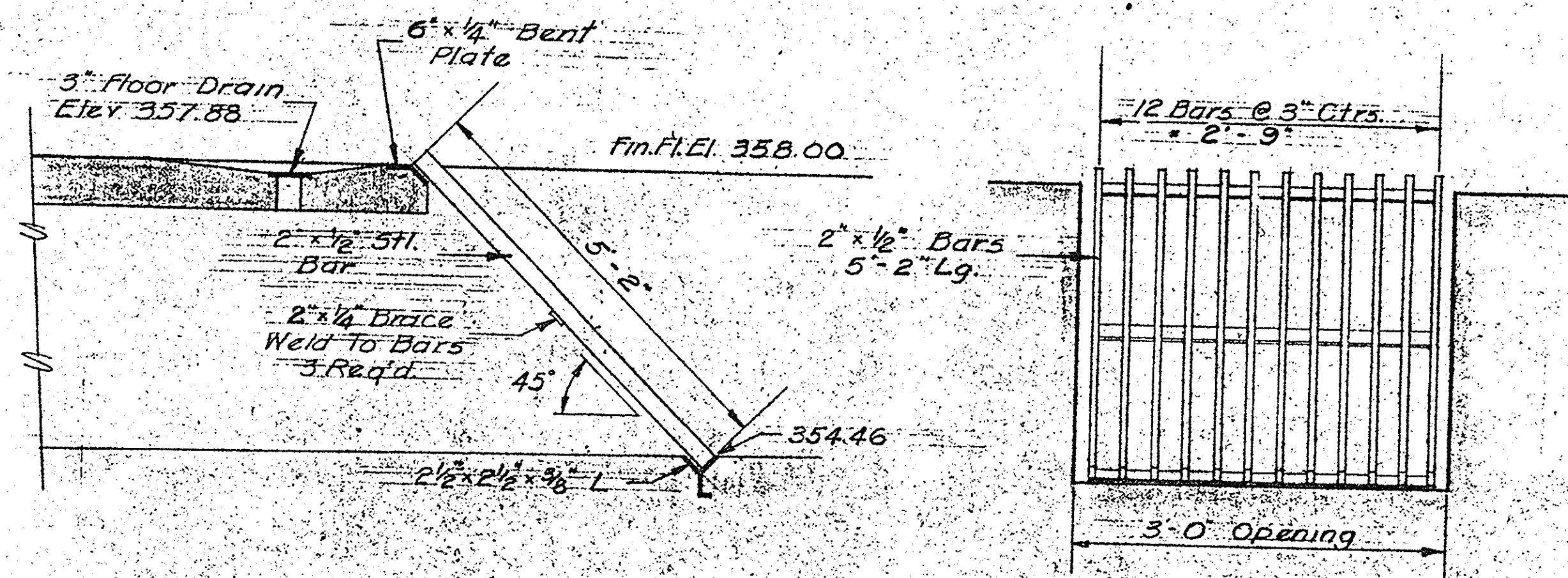


NOTE:
Pedestal Mounted Pumps Installed

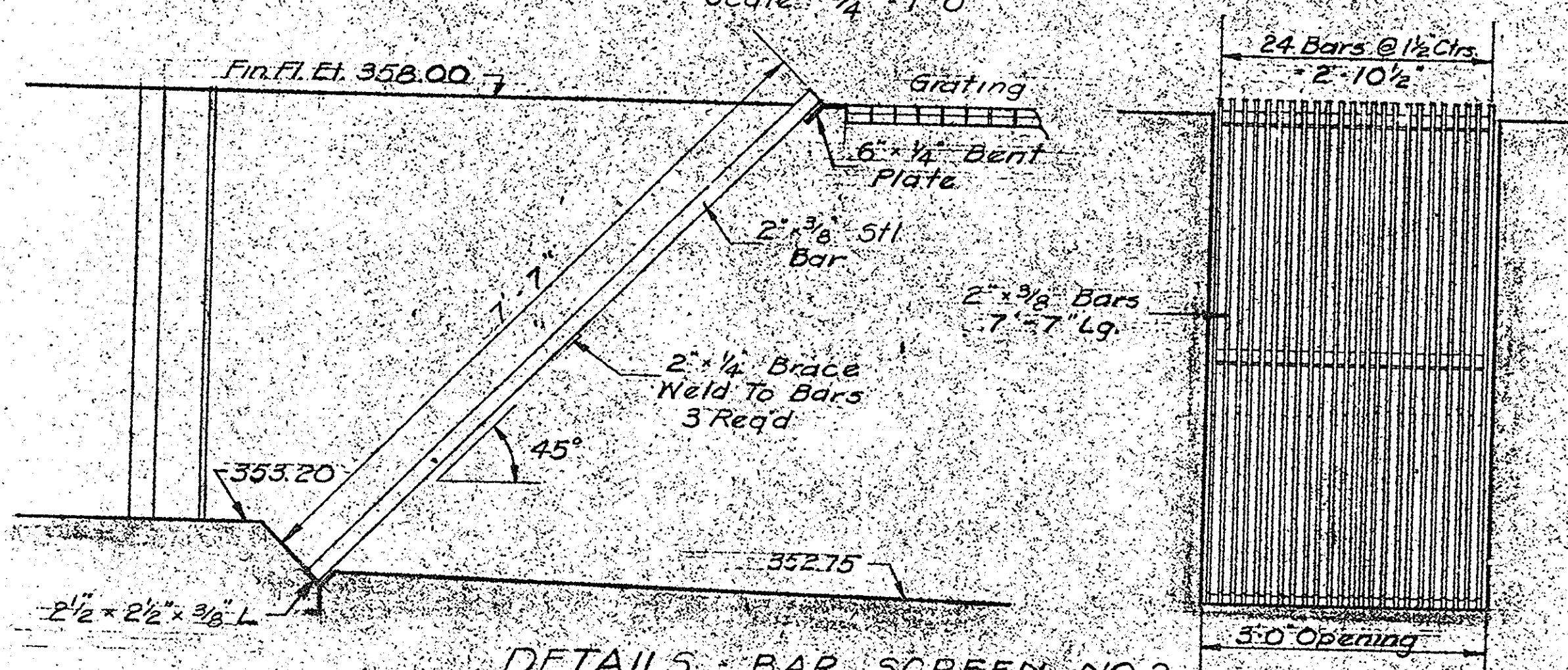
SECTION $\frac{2}{24}$ $\frac{2}{25}$ $\frac{2}{26}$
Scale: $\frac{3}{8}$ " = 1'-0"

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: F.N.K.
CHECKED BY: *[Signature]*

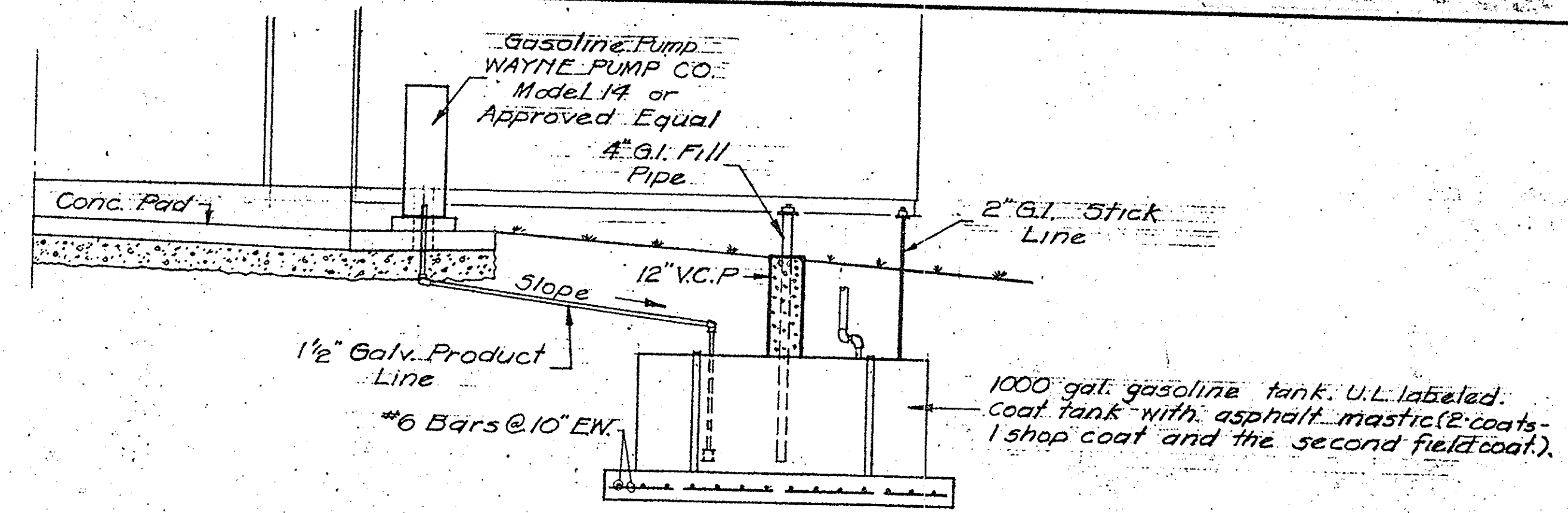
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
RAW SEWAGE PUMPING STATION EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N. Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: $\frac{3}{8}$ " = 1'-0" FILE NO: 55.32-32F
REVISIONS	29



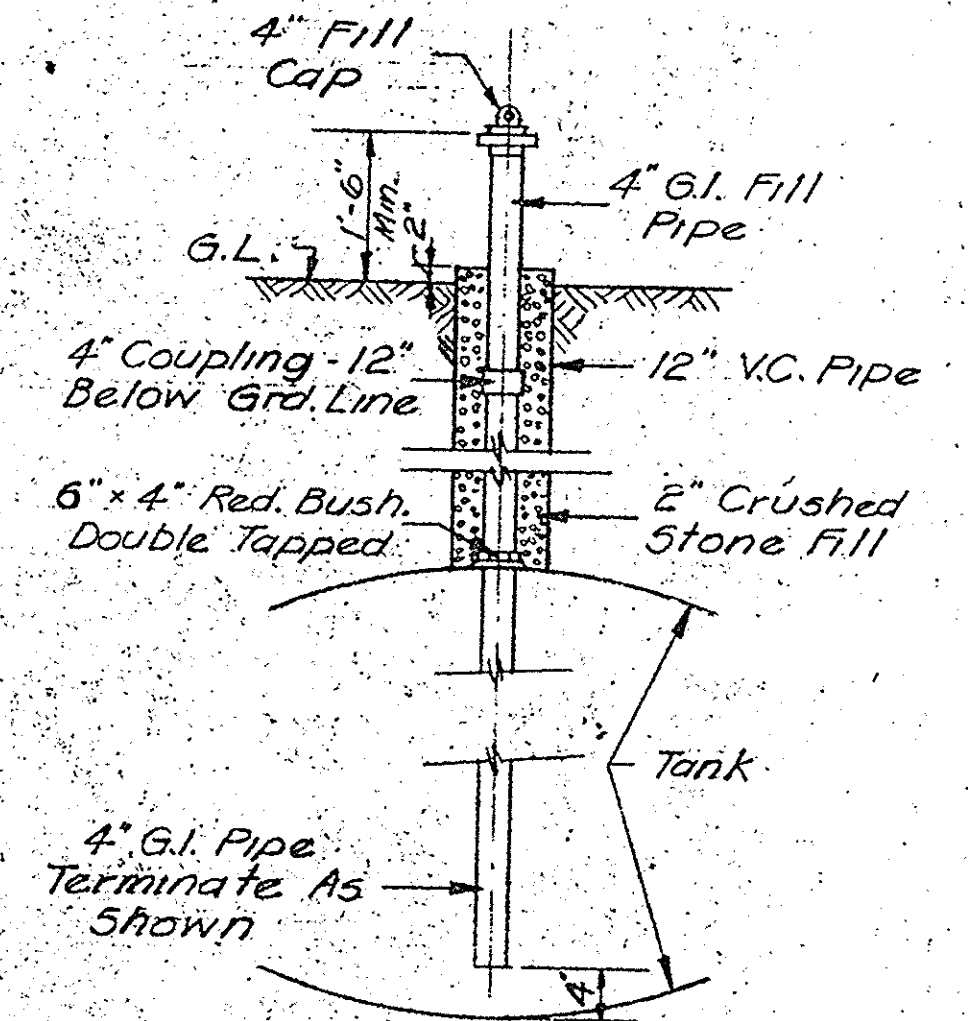
DETAILS - BAR SCREEN NO.1
Scale: 3/4" = 1'-0"



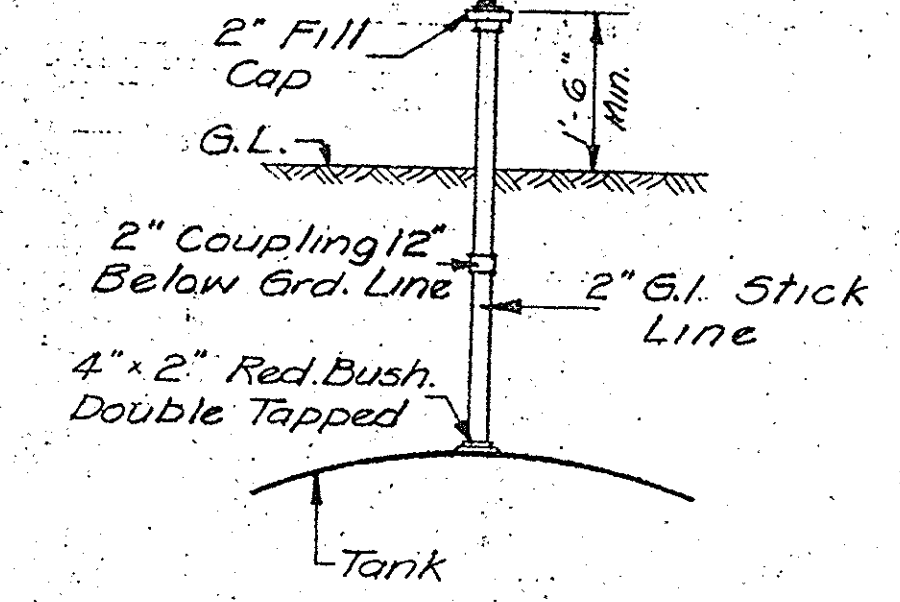
DETAILS - BAR SCREEN NO.2
Scale: 3/4" = 1'-0"



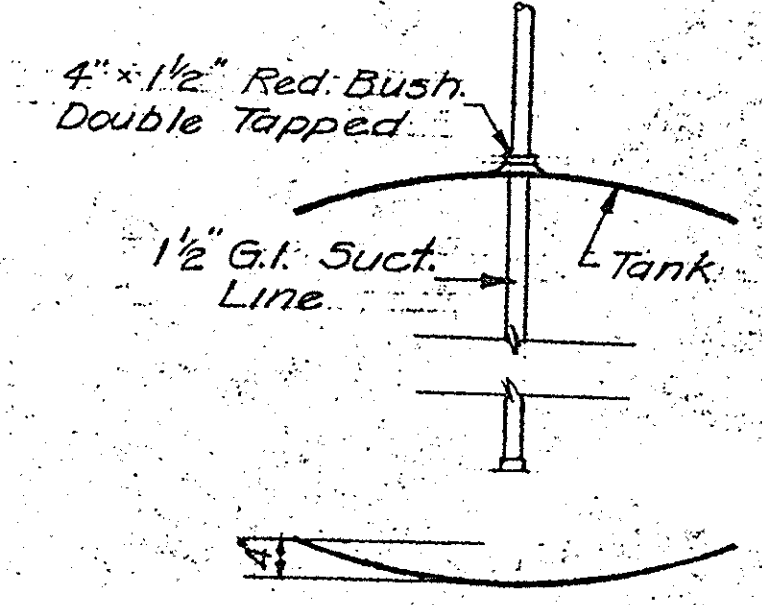
SECTION
Scale: 1/4" = 1'-0"



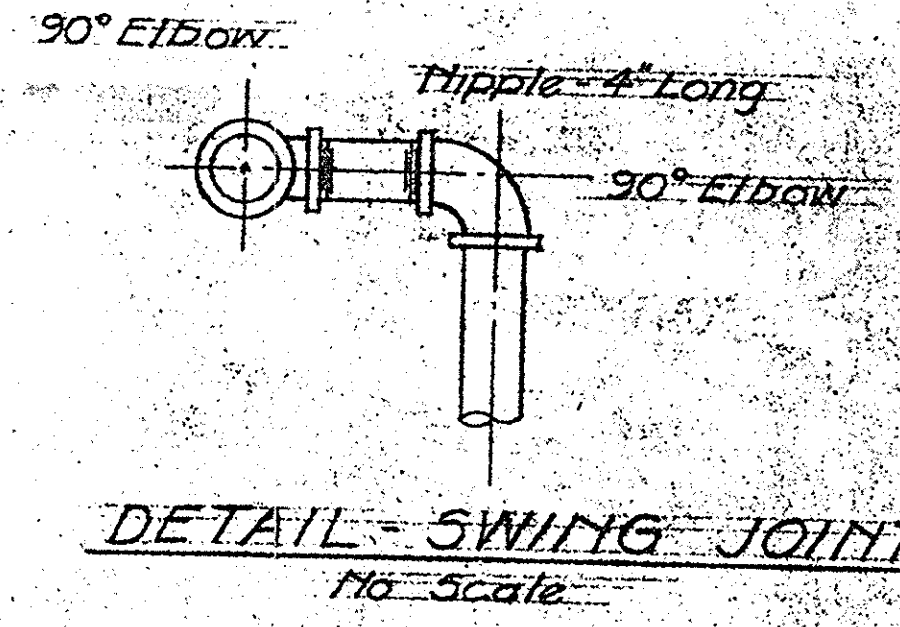
DETAIL - FILL PIPE
No Scale



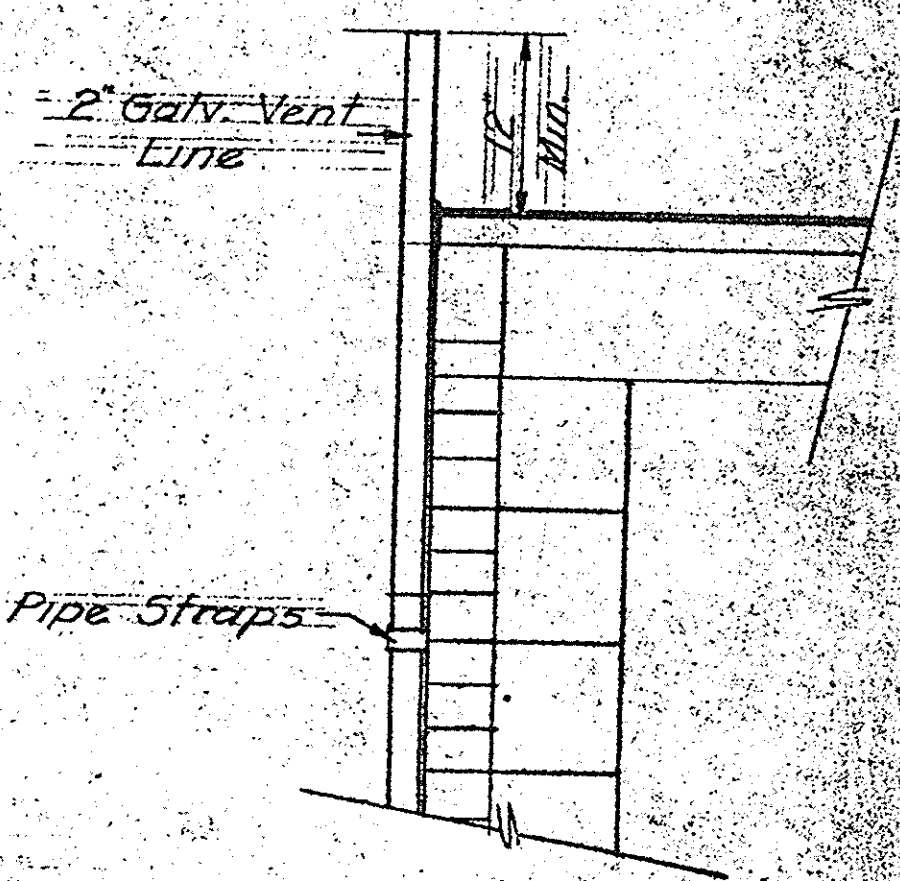
DETAIL - STICK LINE
No Scale



DETAIL - SUCTION LINE
No Scale



DETAIL - SWING JOINT
No Scale



DETAIL - VENT PIPING
No Scale

GASOLINE PIPING DETAILS
No Scale

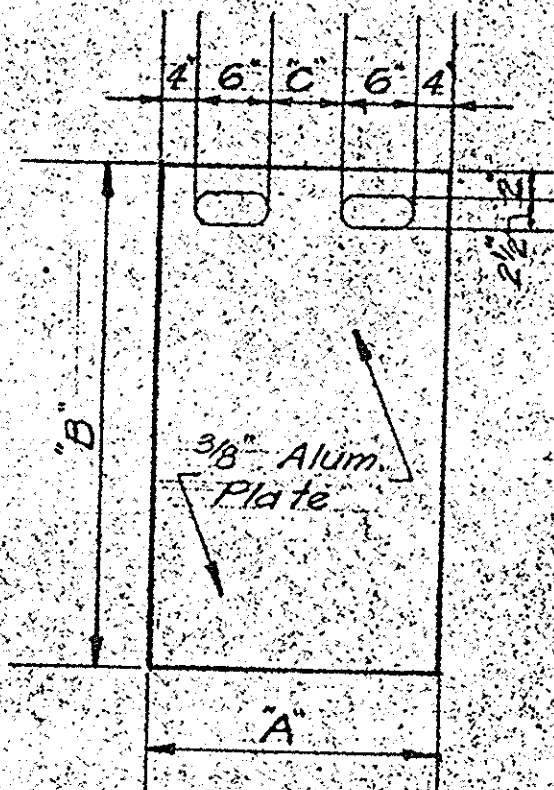
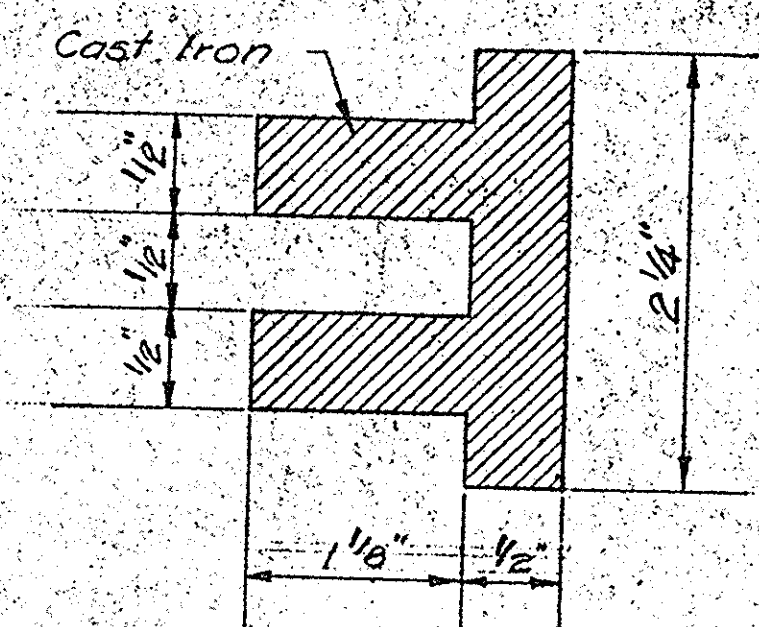


Plate No.	A	B	C	1/2" Req'd
1	3'-2"	2'-6"	1'-6"	1
2	3'-2"	3'-1"	1'-6"	1
3	3'-2"	3'-5"	1'-6"	1
4+5	2'-2"	4'-6"	6"	1 each
6	3'-2"	4'-6"	1'-6"	1
7+8	2'-2"	5'-0"	6"	1 each
9	3'-2"	4'-0"	1'-6"	1

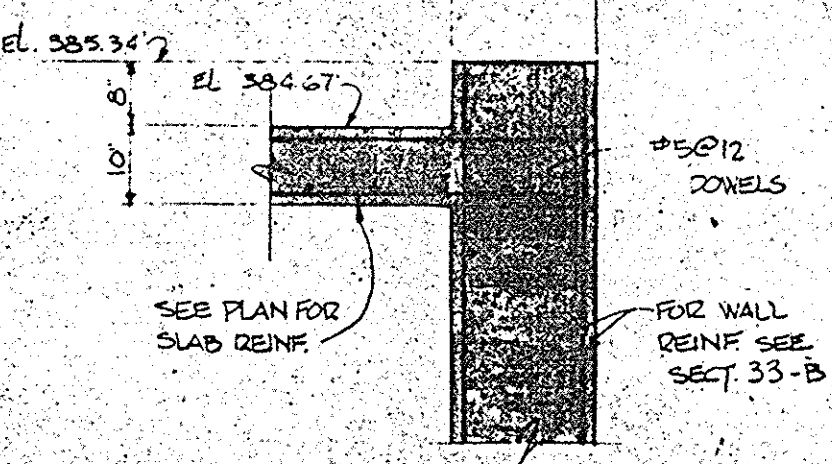
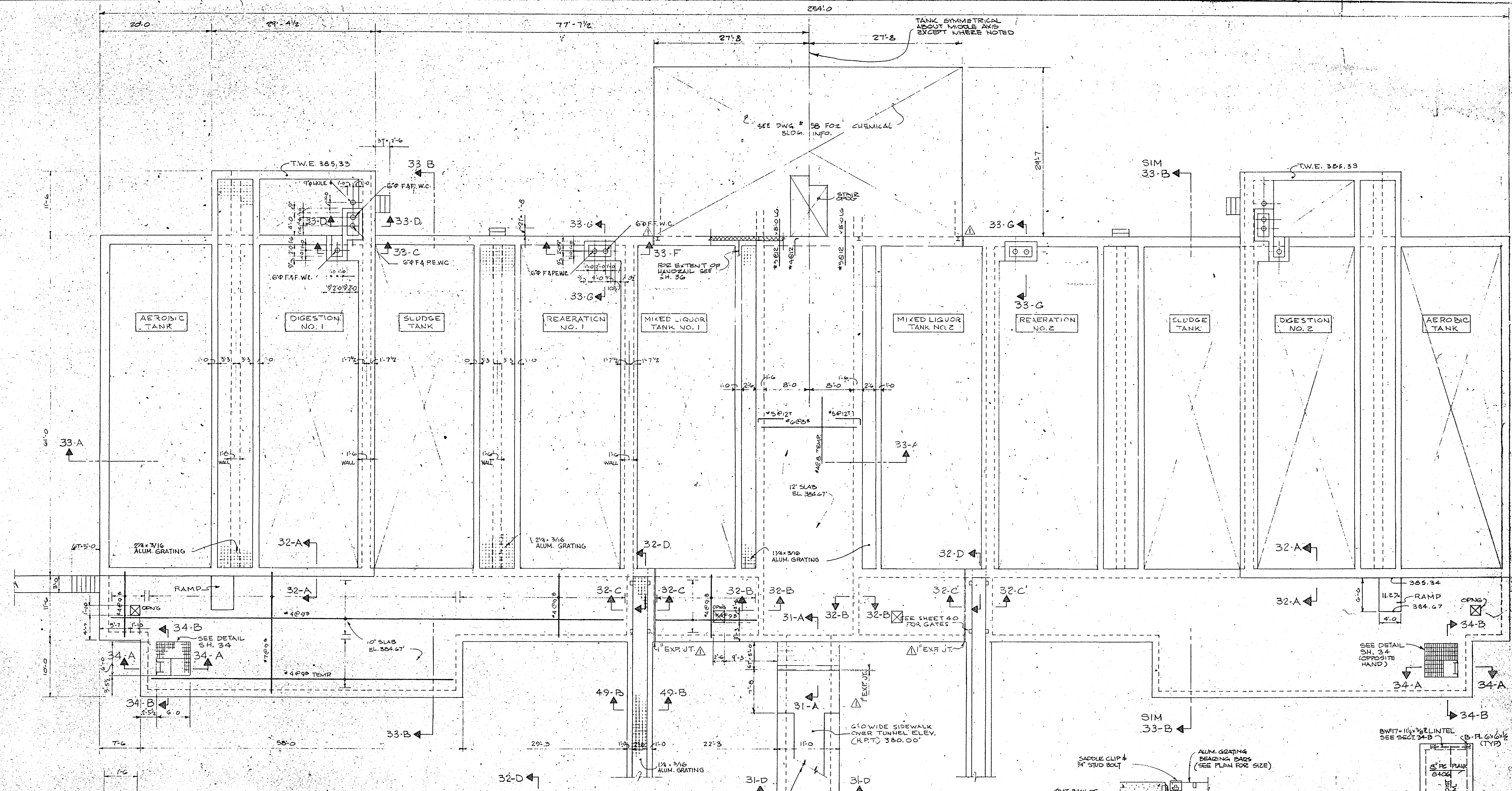
STOP PLATE SCHEDULE
No Scale



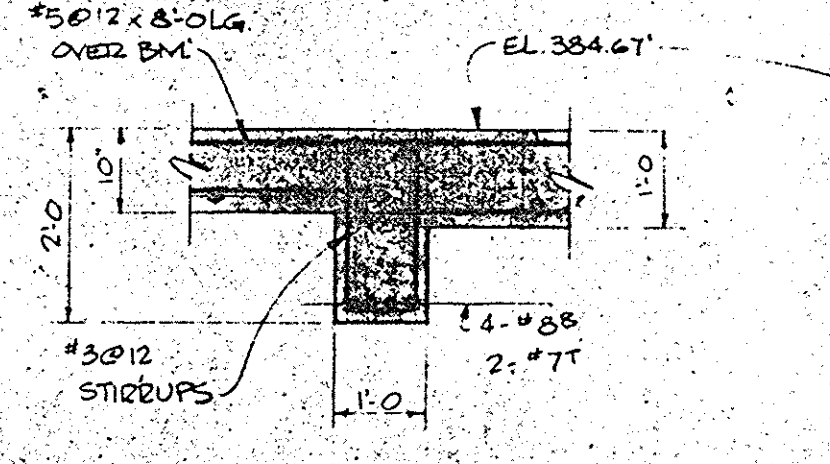
DETAIL - STOP PLATE GROOVES
No Scale

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: F.N.K.
CHECKED BY: [Signature]

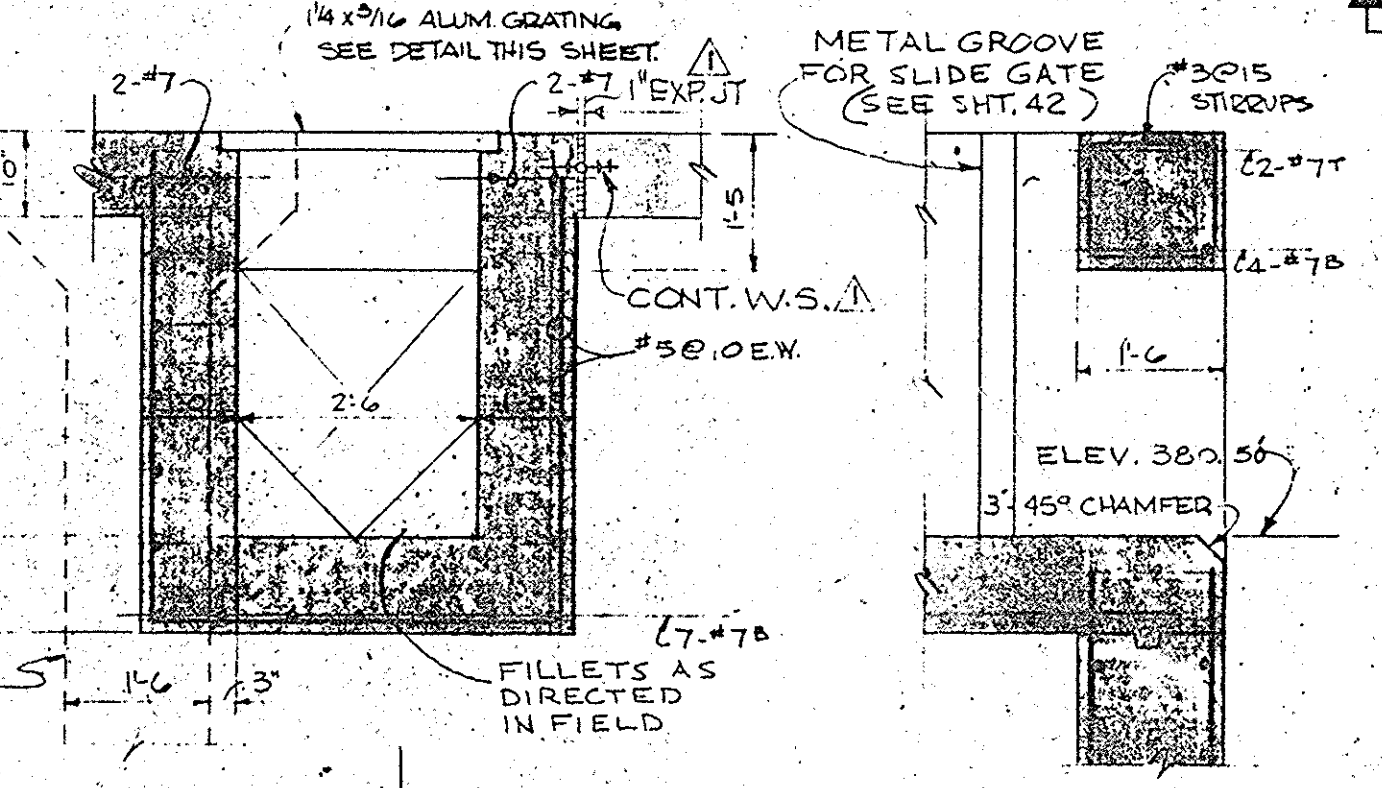
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT	
MISCELLANEOUS DETAILS	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO. 5532-33C



SECTION 32-A



SECTION 32-B

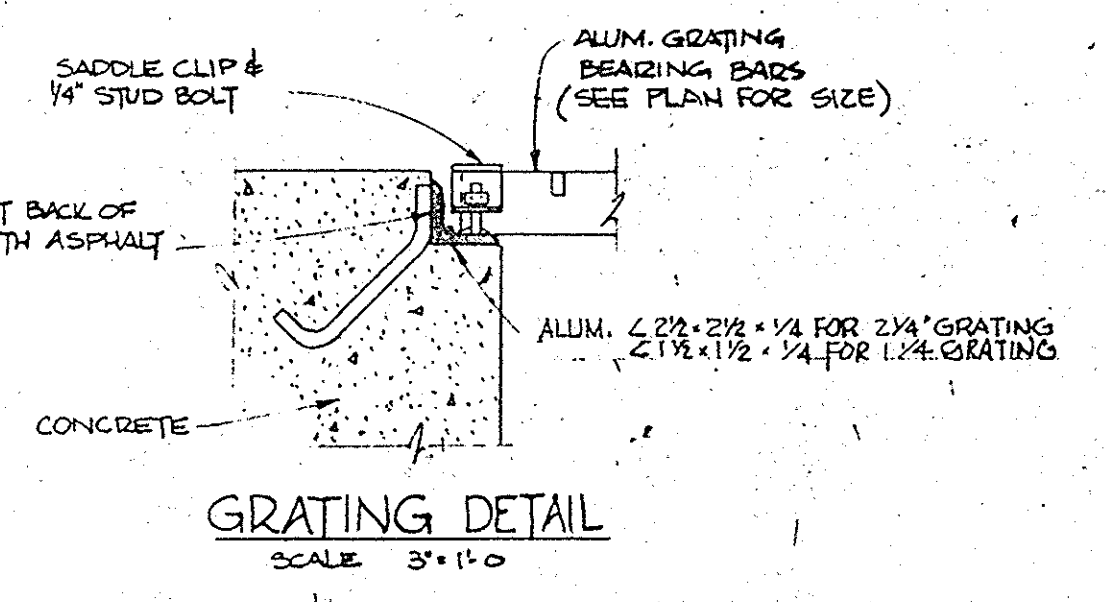


SECTION 32-C

SECTION 32-D

SECTION 32-C OPP HAND

TOP VIEW AT EL. 388.00'
SCALE 1/8"=1'-0"
FOR ADDITIONAL DIMENSIONS SEE SHEET 31.



GRATING DETAIL
SCALE 3/16"=1'-0"

ACCESS STRUCTURE
ROOF PLAN

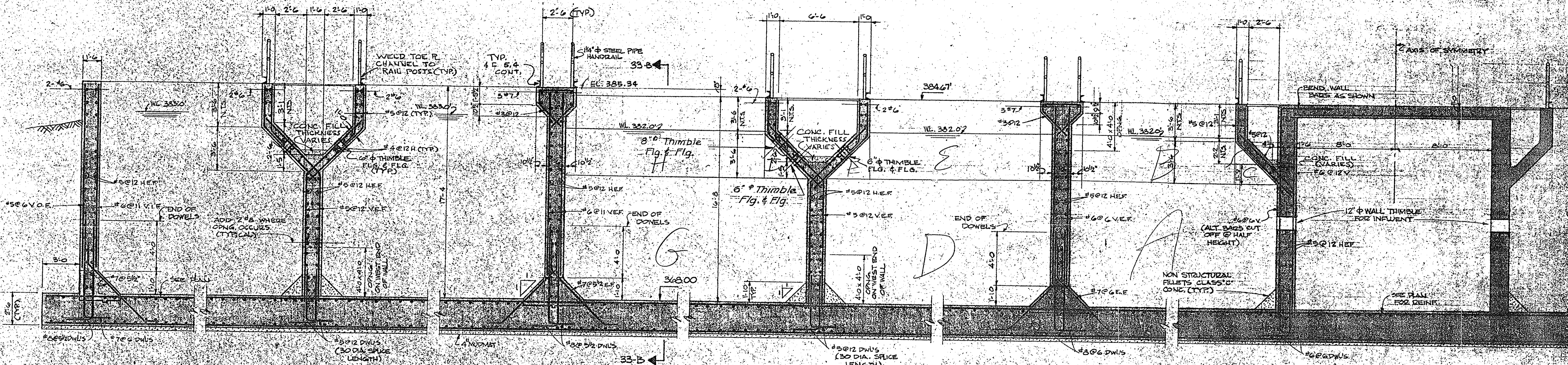
IN CHARGE OF: F.A.L.
DESIGNED BY: D.H.
DRAWN BY: R.M.D.
CHECKED BY: H.M.W.

**ECKERLIN
KLEPPER
HAHN**
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION
CONTROL PLANT
**AERATION TANKS
STRUCTURAL**

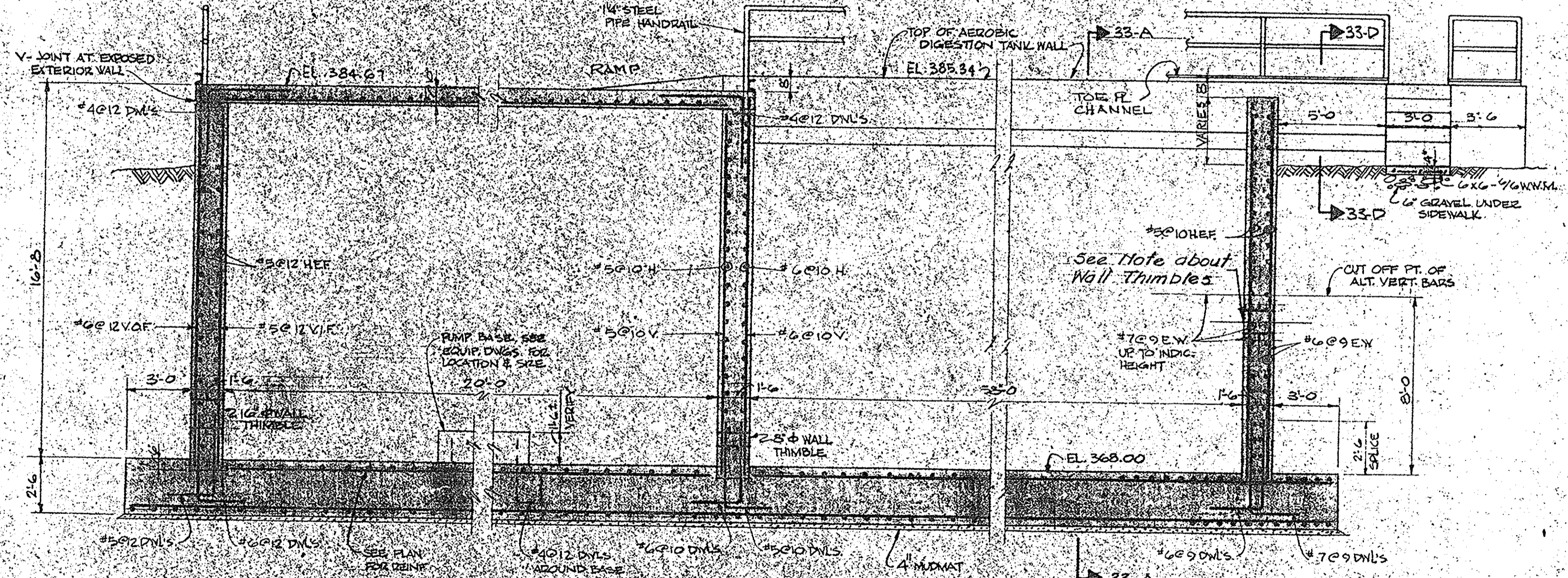
TOWN OF CICERO ONONDAGA CO., N.Y.
DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 55.32-35F

REVISIONS

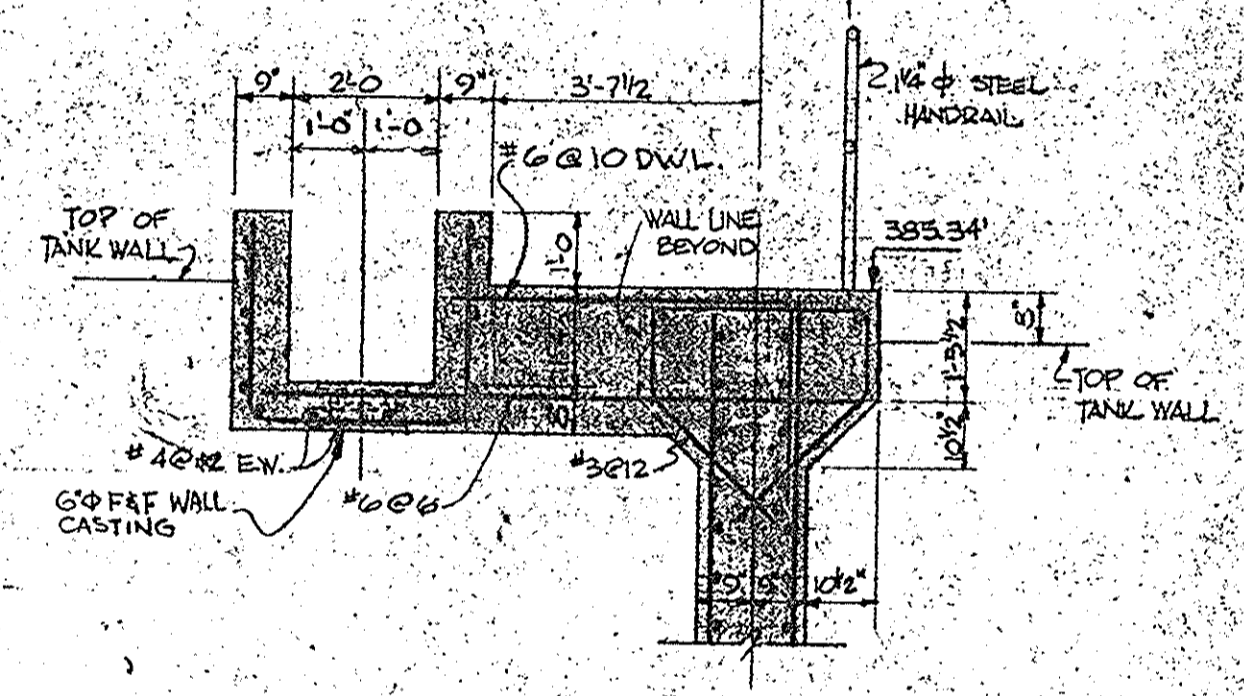


SECTION 33-A
SCALE 1/4"=1'-0"

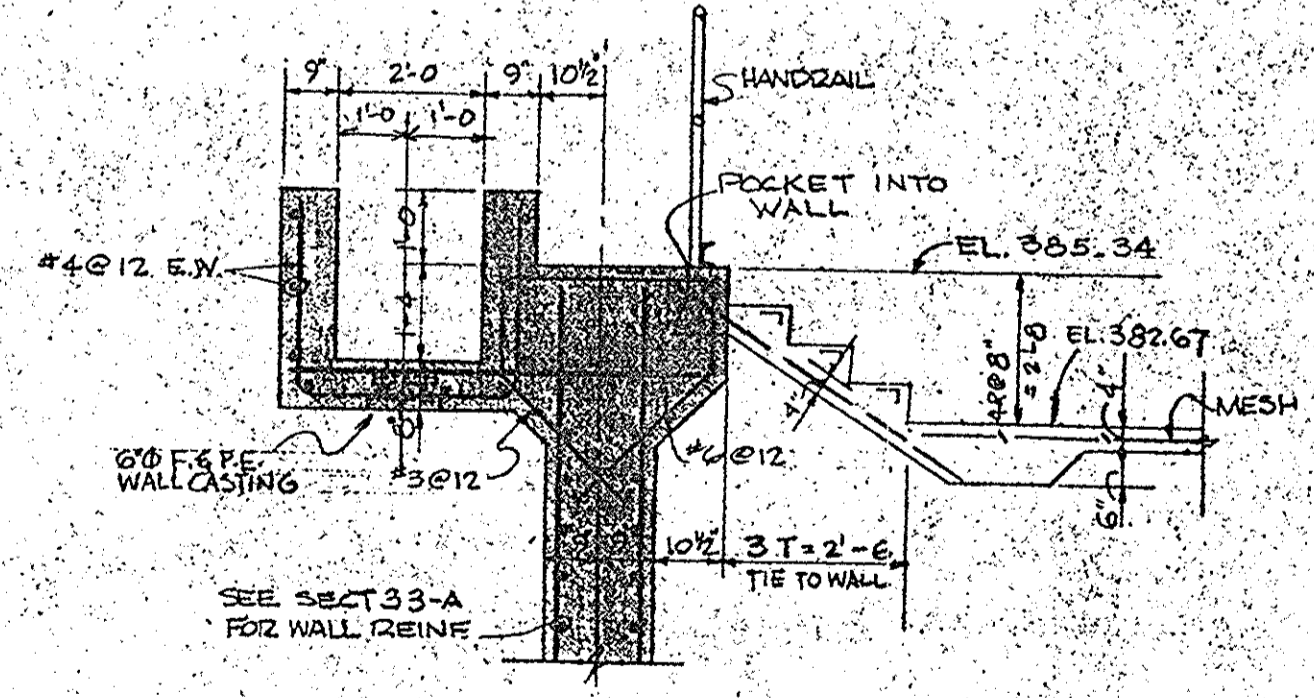
NOTE: FOR LOCATION & SIZE OF WALL THIMBLES SEE EQUIPMENT DRAWINGS. SET IN FORM & FIX POSITION SECURELY BEFORE POURING CONC.



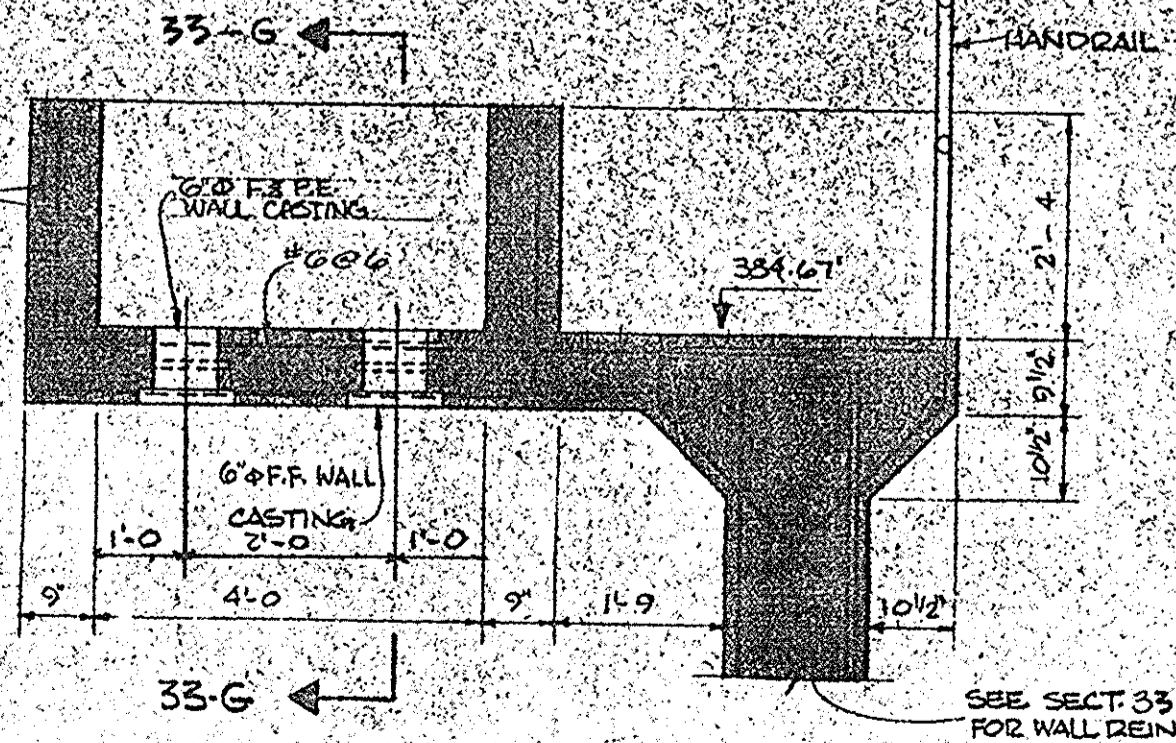
SECTION 33-B
SCALE 1/4"=1'-0"
SEE NOTE ON SECTION 33-A IN REGARD TO THIMBLES



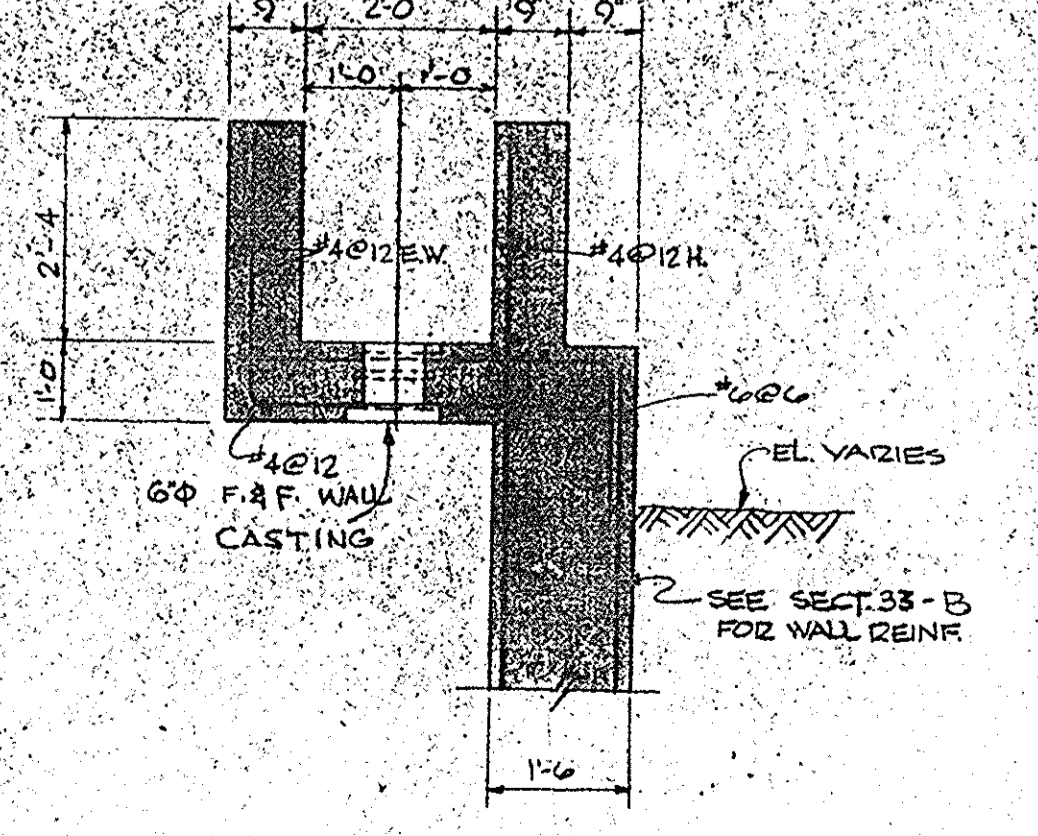
SECTION 33-C
SCALE 3/8"=1'-0"



SECTION 33-D
SCALE 3/8"=1'-0"



SECTION 33-F
SCALE 1/2"=1'-0"



SECTION 33-G
SCALE 1/2"=1'-0"

IN CHARGE OF: F.A.L.
DESIGNED BY: D.M.
DRAWN BY: R.M.D.
CHECKED BY: H.M.W.

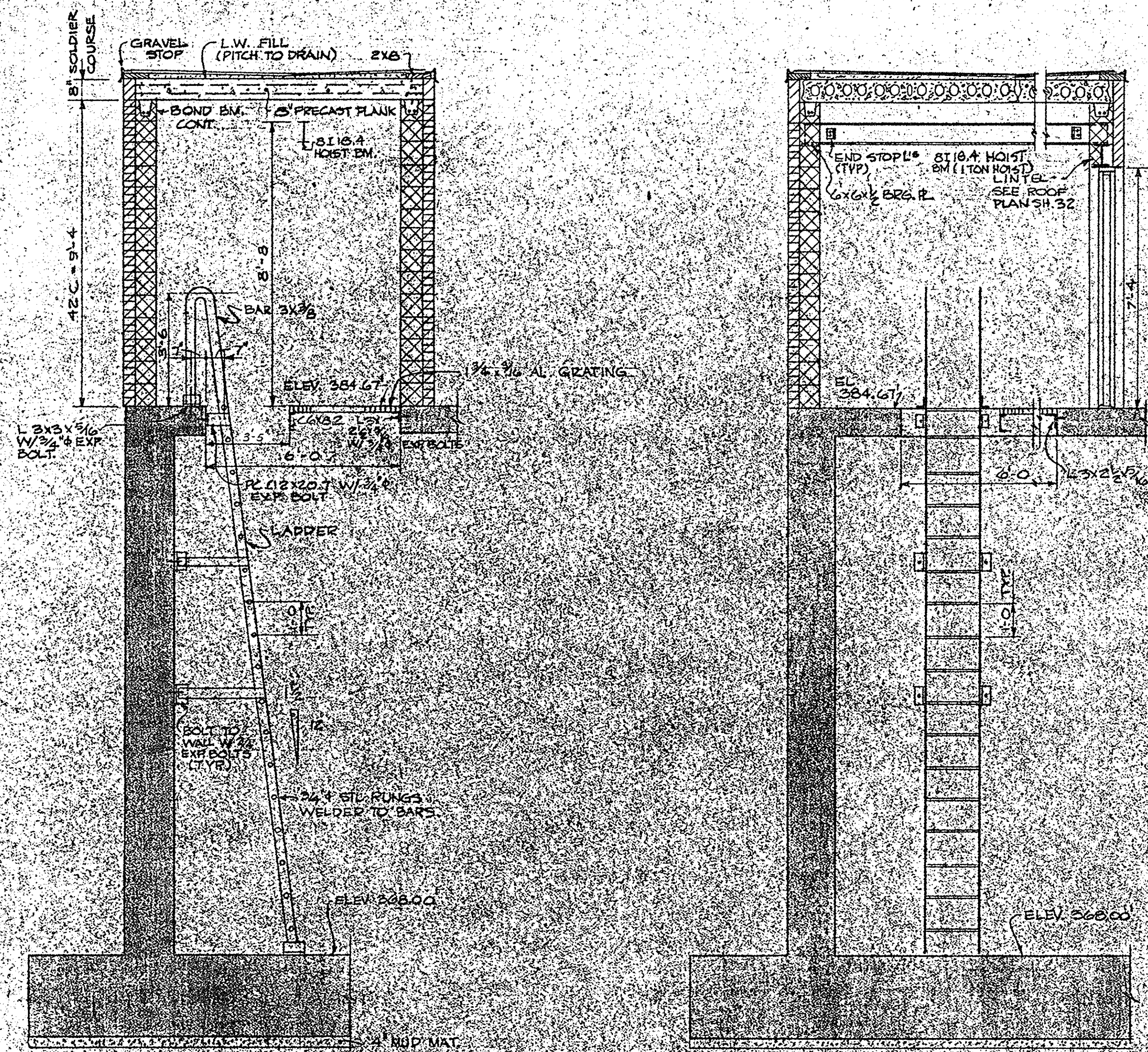
ECKERLIN CONSULTING
KLEPPER ENGINEERS
HAHN STRUCTURE INC.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
AERATION TANKS
STRUCTURAL
TOWN OF CICERO ONONDAGA CO., N.Y.

BARTON, BROWN, CLYDE & LOGUIDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

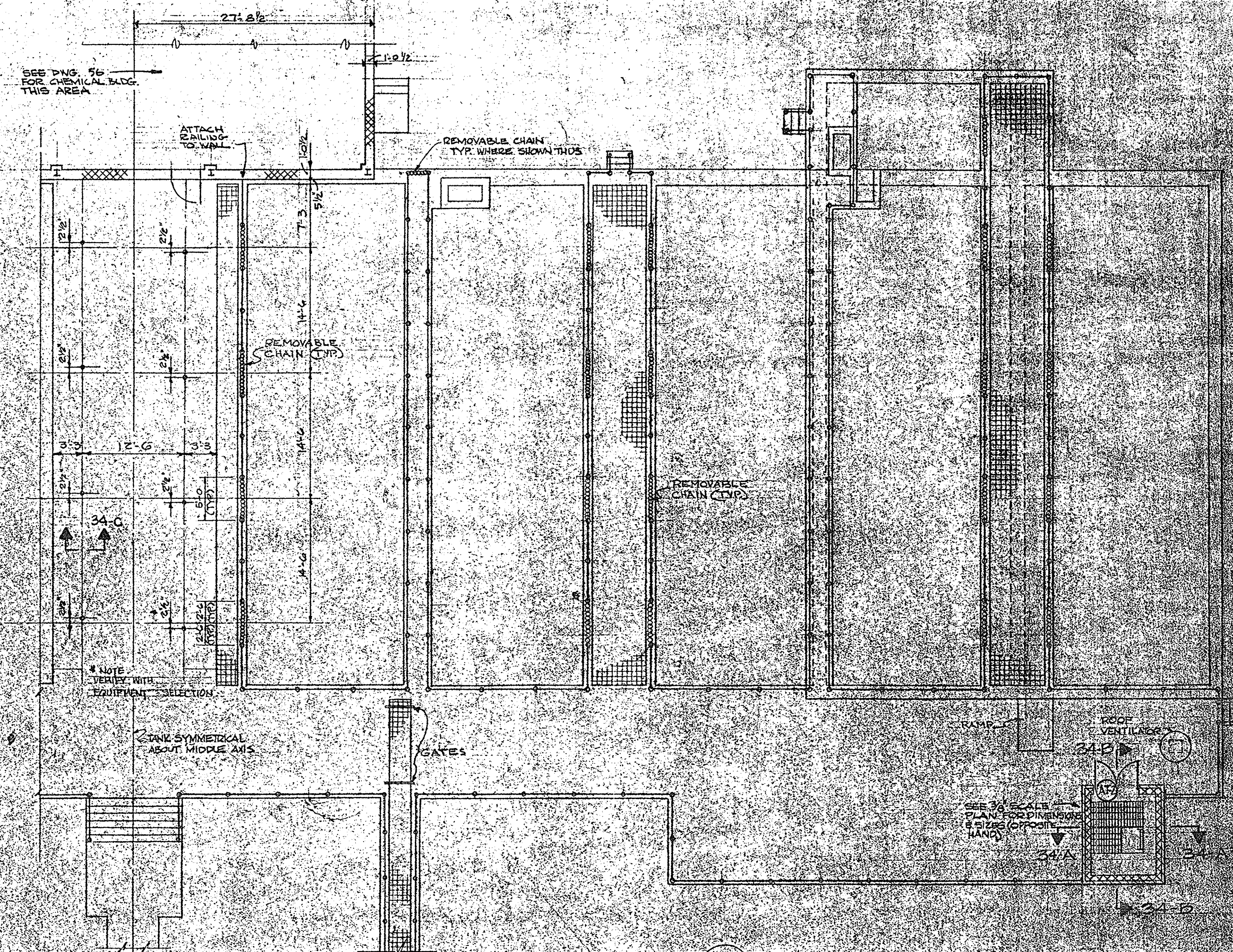
DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 55-32-36F

REVISIONS

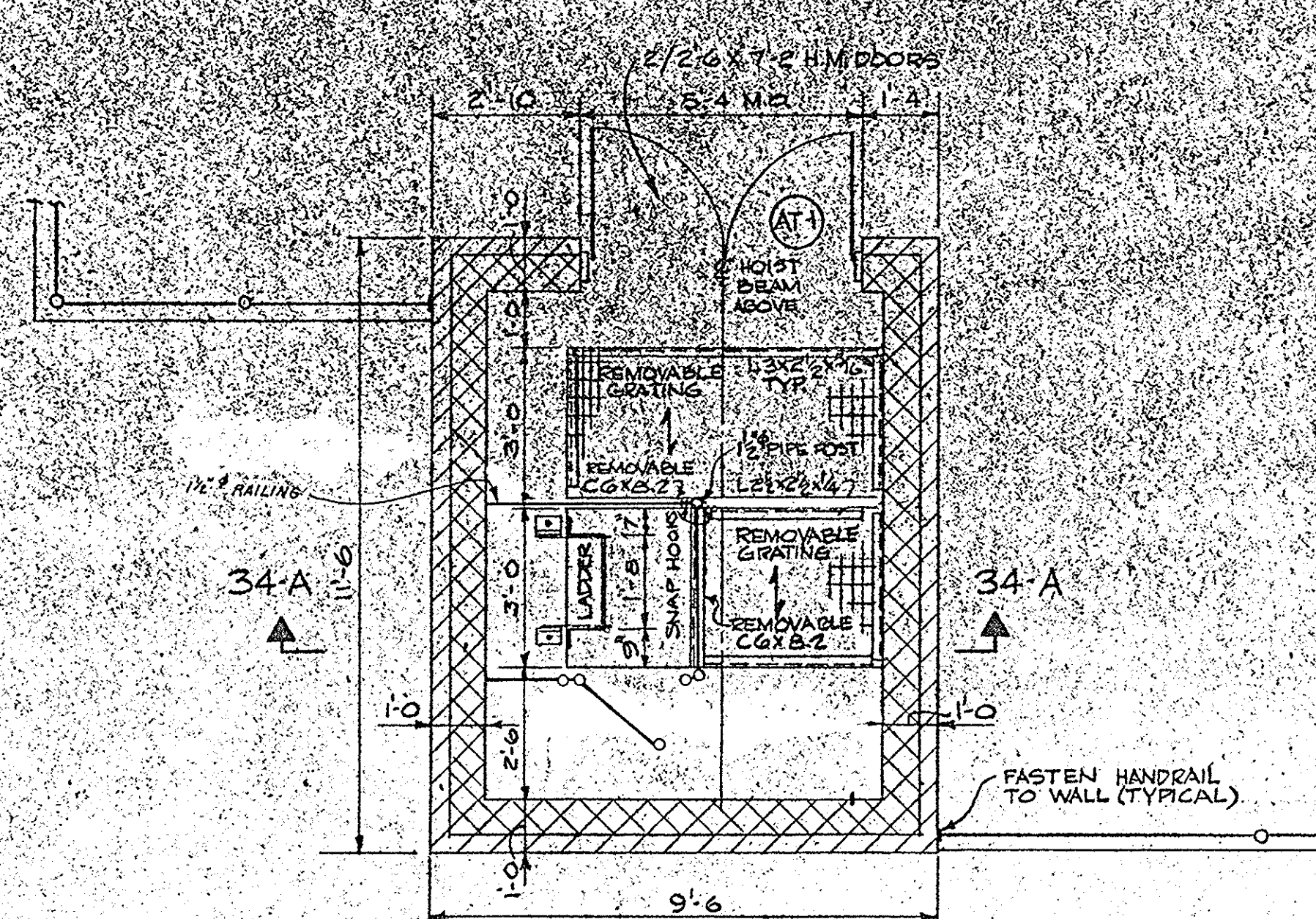


SECTION 34-A
SCALE: 3/8" = 1'-0"

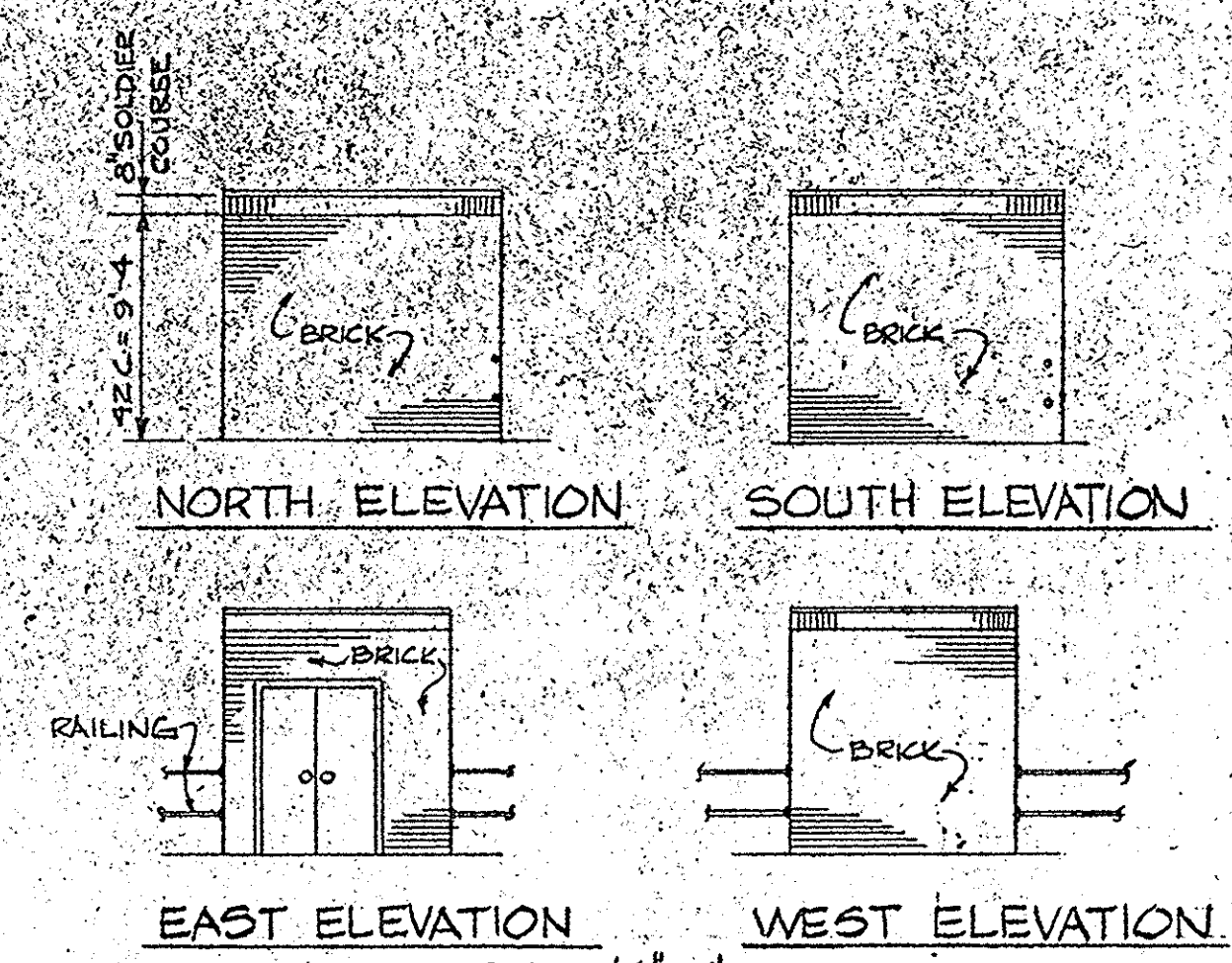
SECTION 34-B
SCALE: 3/8" = 1'-0"



AERATION TANK PLAN
SCALE: 1/8" = 1'-0"
SHOWING RAILING LAYOUT
AND GALLERY ACCESS STRUCTURE



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



NORTH ELEVATION SOUTH ELEVATION
EAST ELEVATION WEST ELEVATION
SCALE: 1/8" = 1'-0"

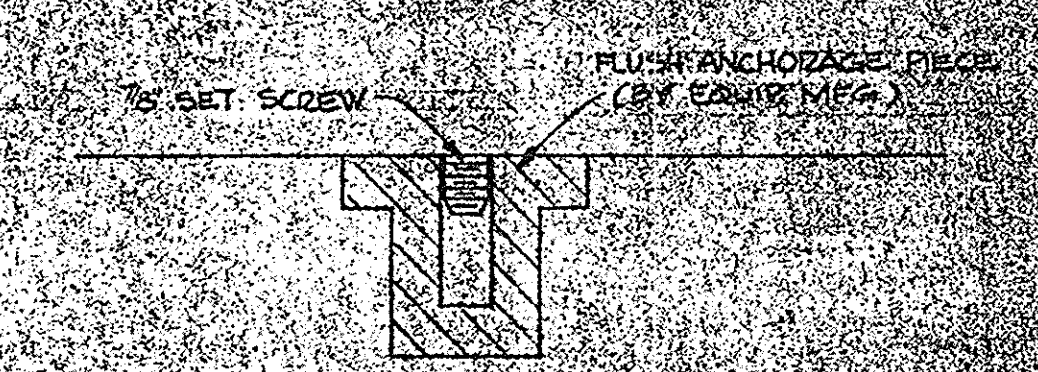
ROOM FINISH SCHEDULE

ROOM DESIGNATION	FLOOR		WALL		CEILING		REMARKS
	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	
NORTH, SOUTH, EAST & WEST GALLERIES	CONC.	EZ.	CONC.	-	CONC.	-	

DOOR SCHEDULE

DOOR NO.	DOOR				FRAME		THRESHOLD	LINTEL	REMARKS
	TYPE	MAT'L	THICKNESS	HEIGHT	WIDTH	TYPE			
AT-1	B	H.M.	1 3/4"	7'-2"	3'-0"	3	H.M.	V	①
AT-2	B	H.M.	1 3/4"	7'-2"	3'-0"	3	H.M.	V	①

NOTE: ① MOUNT HEAD AND FOOT BOLTS ON INTERIOR.

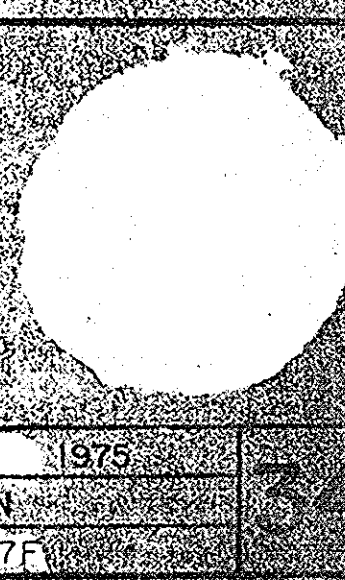


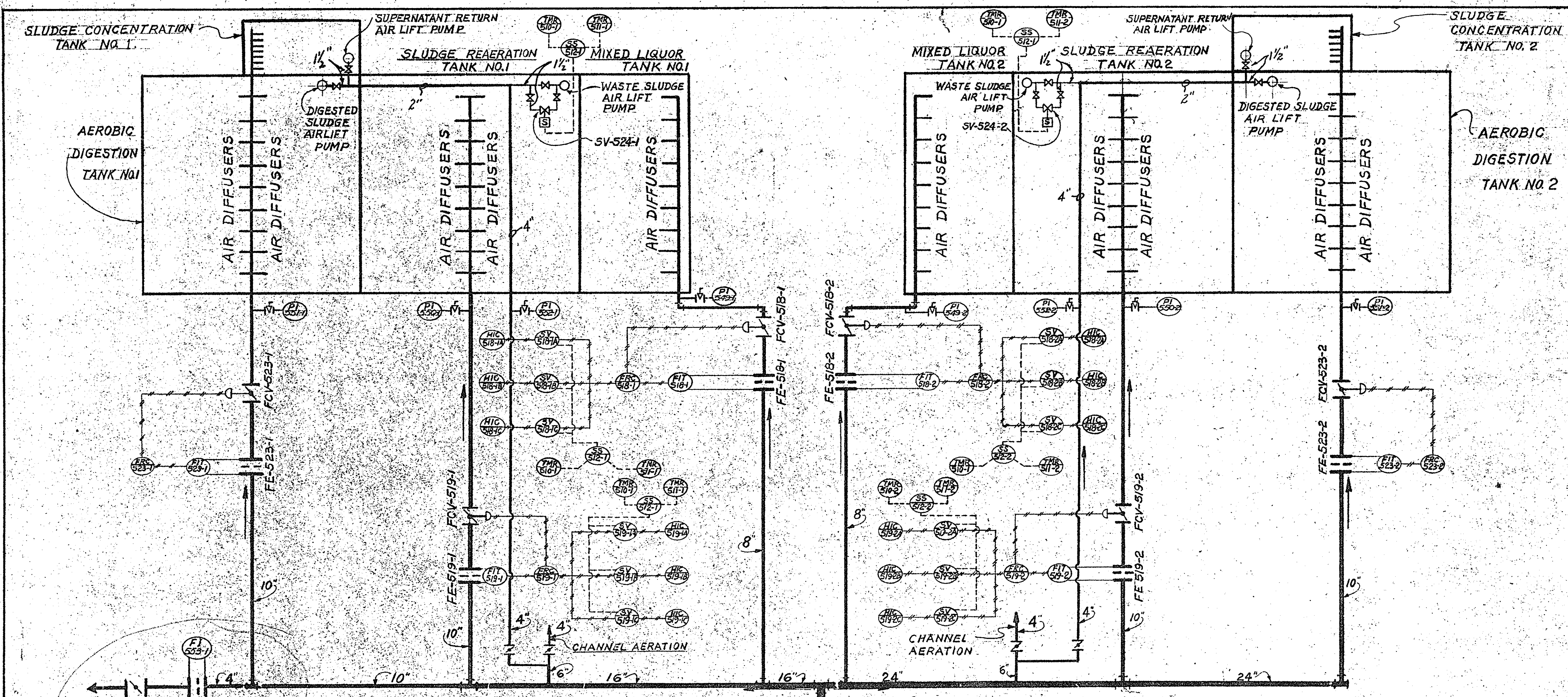
SECTION 34-C

IN CHARGE OF: F.A.L.
DESIGNED BY: D.H.
DRAWN BY: R.M.D.
CHECKED BY: H.H.W.

ECKERLIN CONSULTING ENGINEERS
KLEPPER HAHN SYRACUSE, N.Y.

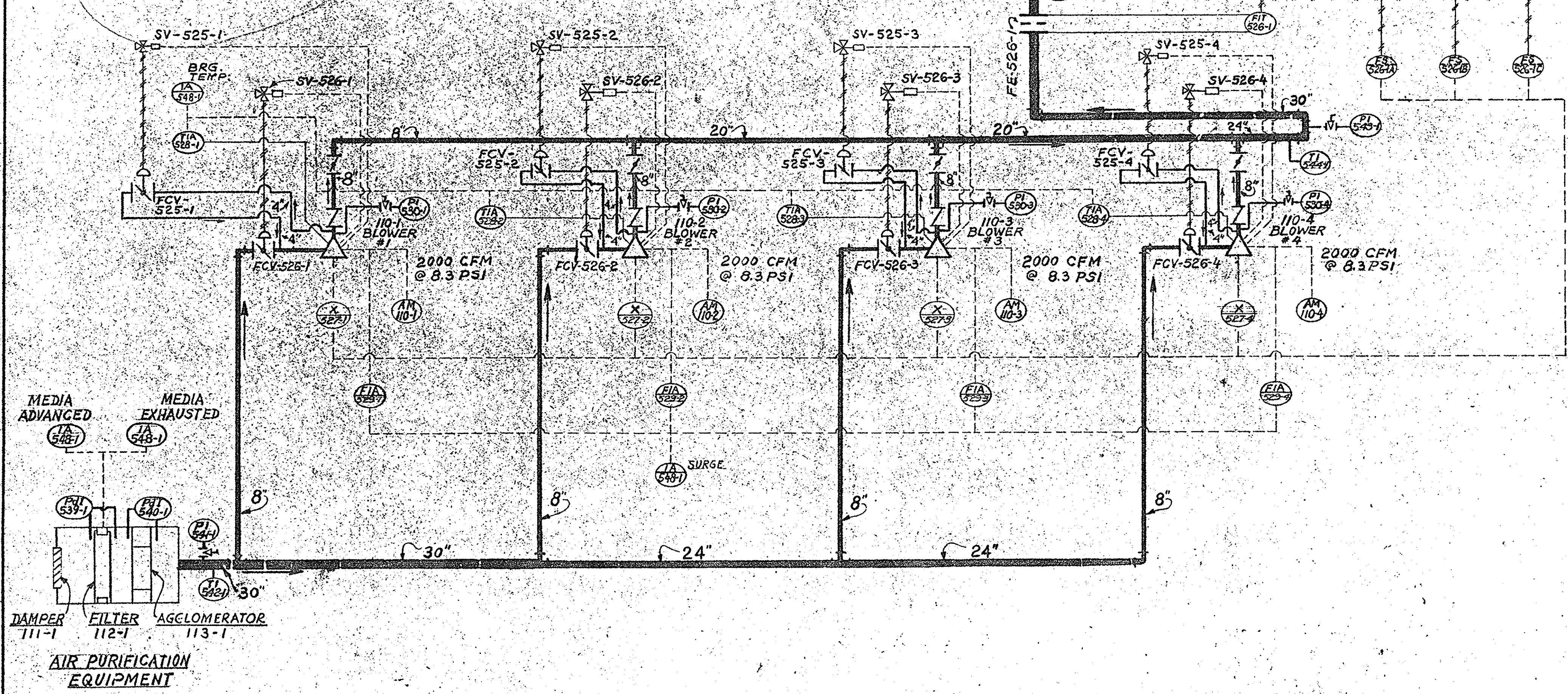
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
AERATION TANKS
ARCHITECTURAL
TOWN OF CICERO ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK
DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO: 55-32-37F





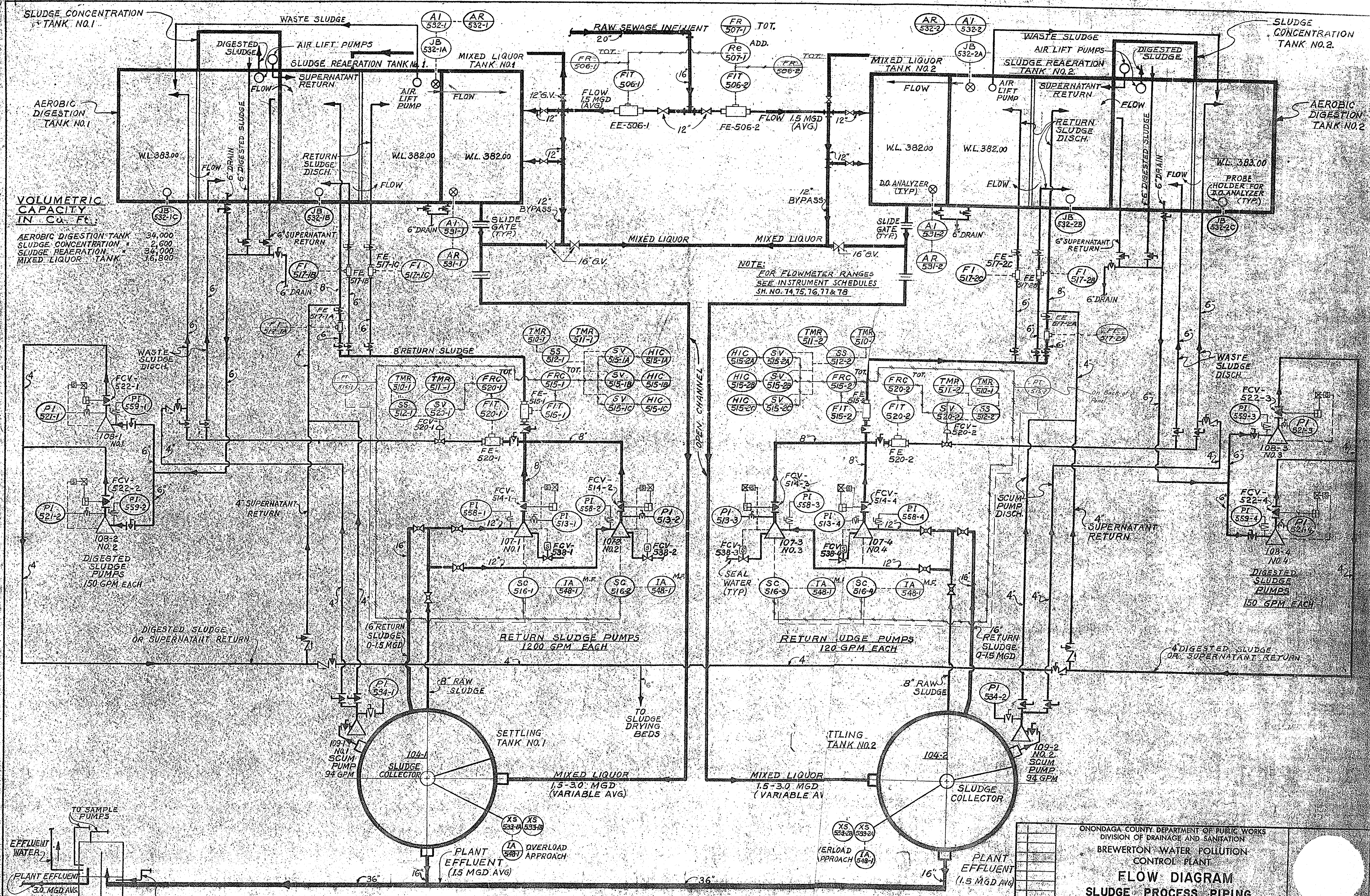
TO GRIT CHAMBER
(See Sheet No. 23)

NOTE:
FOR FLOWMETER RANGES
SEE INSTRUMENT SCHEDULES
SH. NO. 74, 75, 76, 77 & 78



IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: V.F.
CHECKED BY: J.C.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
FLOW DIAGRAM	
AIR PROCESS PIPING	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: NONE
REVISIONS:	FILE NO. 55.32-38F



VOLUMETRIC CAPACITY IN CU. FT.

AEROBIC DIGESTION TANK	34,000
SLUDGE REAERATION TANK	2,600
MIXED LIQUOR TANK	34,000
MIXED LIQUOR TANK	16,800

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION

BREWERTON WATER POLLUTION CONTROL PLANT

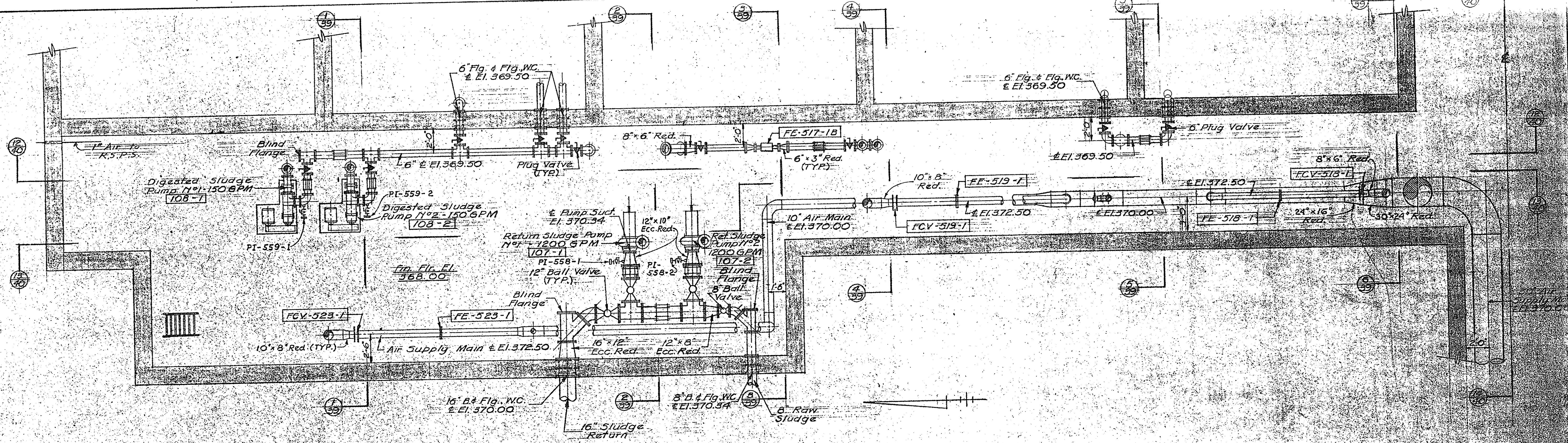
**FLOW DIAGRAM
SLUDGE PROCESS PIPING**

TOWN OF CICERO ONONDAGA CO., N.Y.

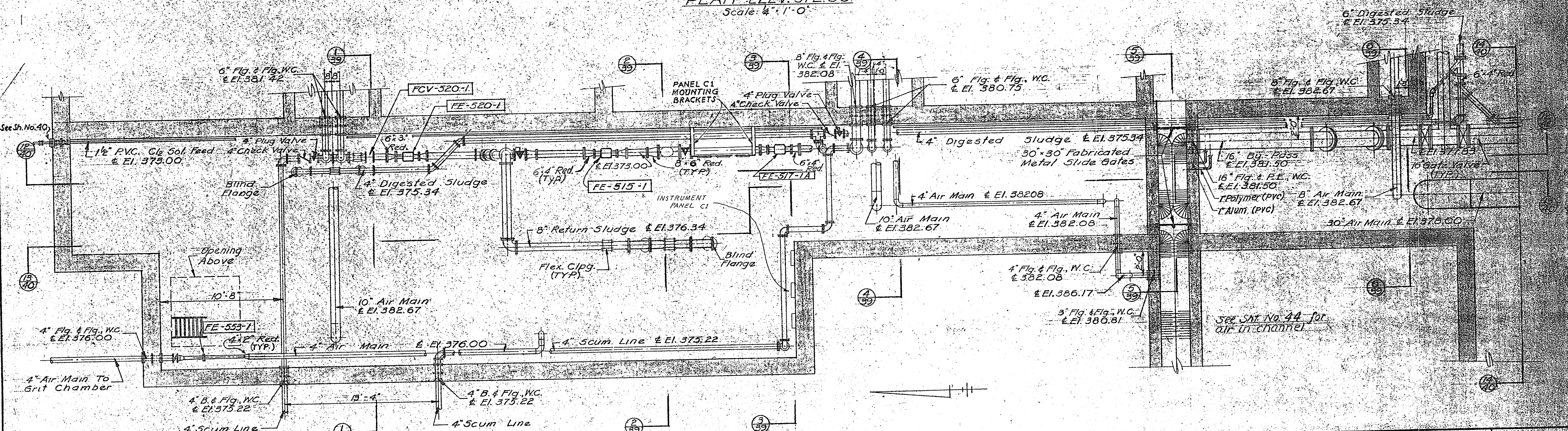
BARTON BROWN CLYDE & LOGIUDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
SCALE: NONE
FILE NO. 55-32-39F

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: V.P.
CHECKED BY: D.M.



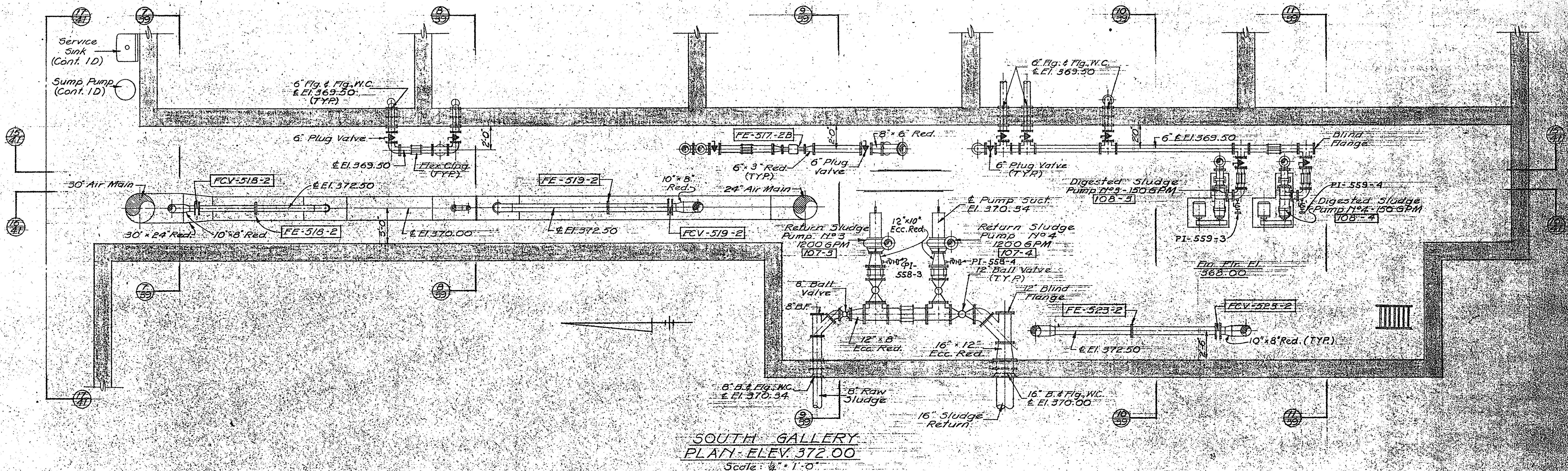
NORTH GALLERY
PLAN - ELEV. 372.00
 Scale: 1/4" = 1'-0"



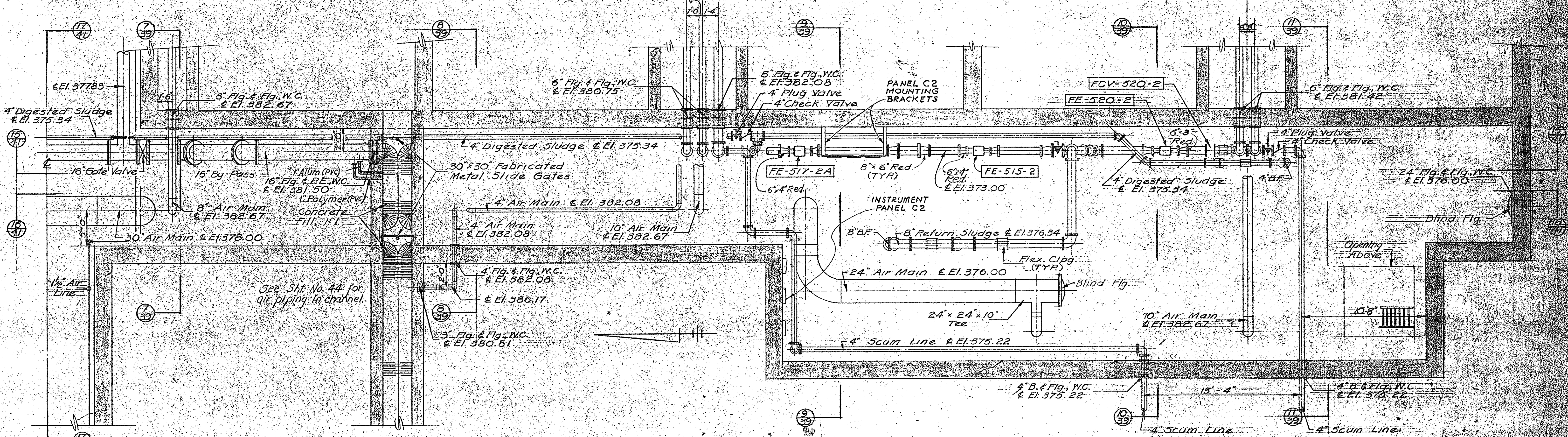
NORTH GALLERY
PLAN - ELEV. 383.50
 Scale: 1/4" = 1'-0"

IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: P.W.K.
 CHECKED BY: J.C.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
AERATION TANKS EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGIUDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS NOTED FILE NO.: 55-32-40F



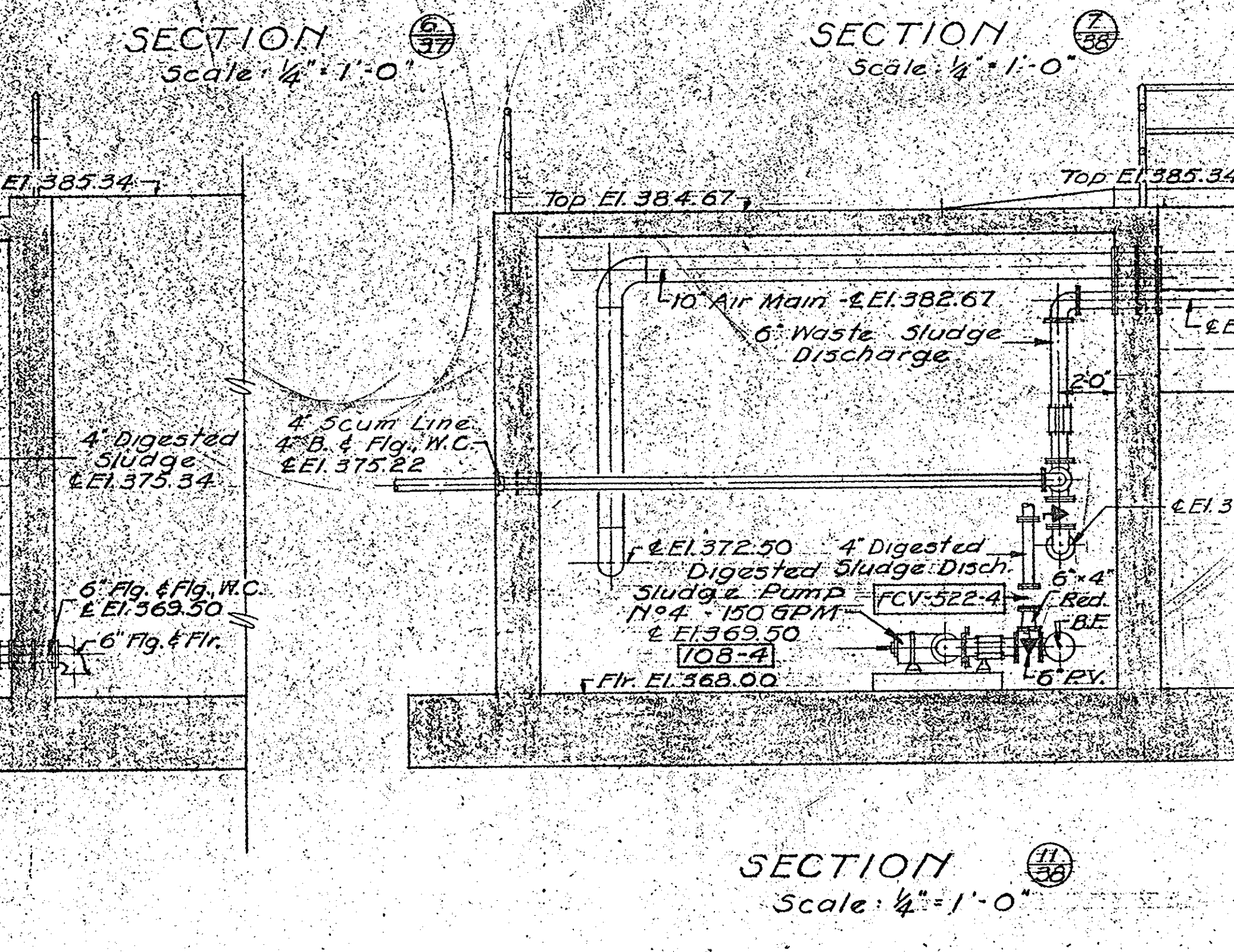
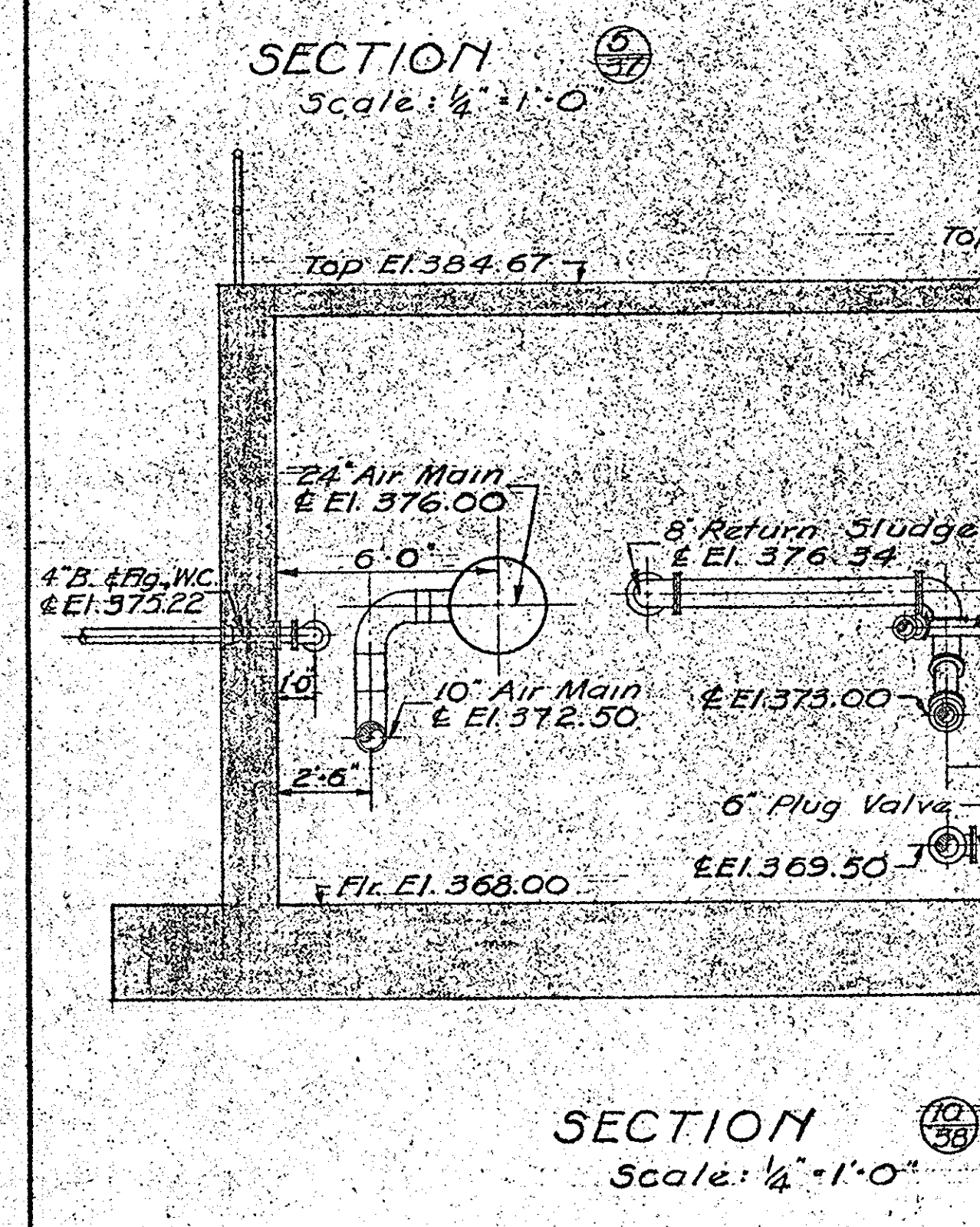
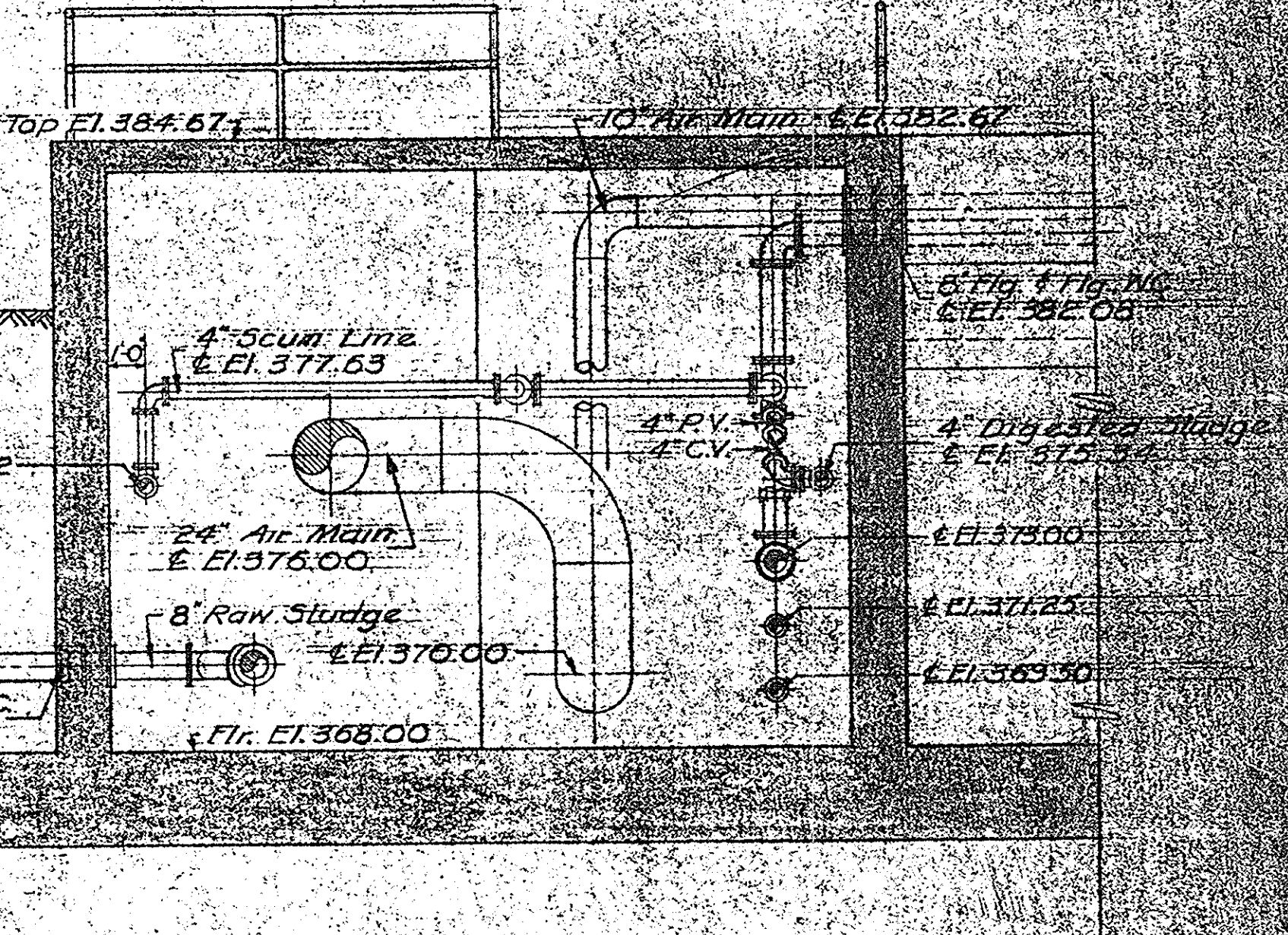
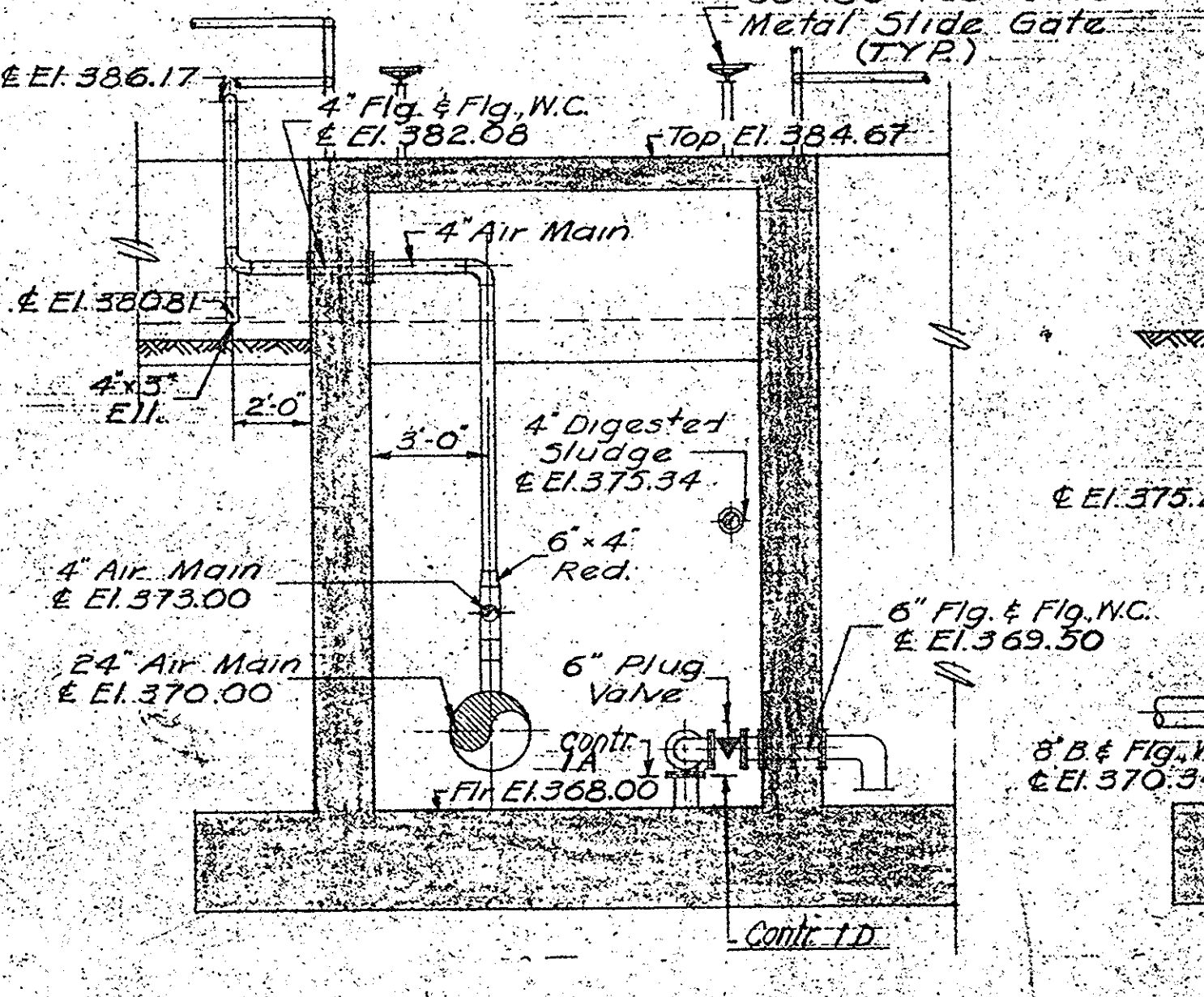
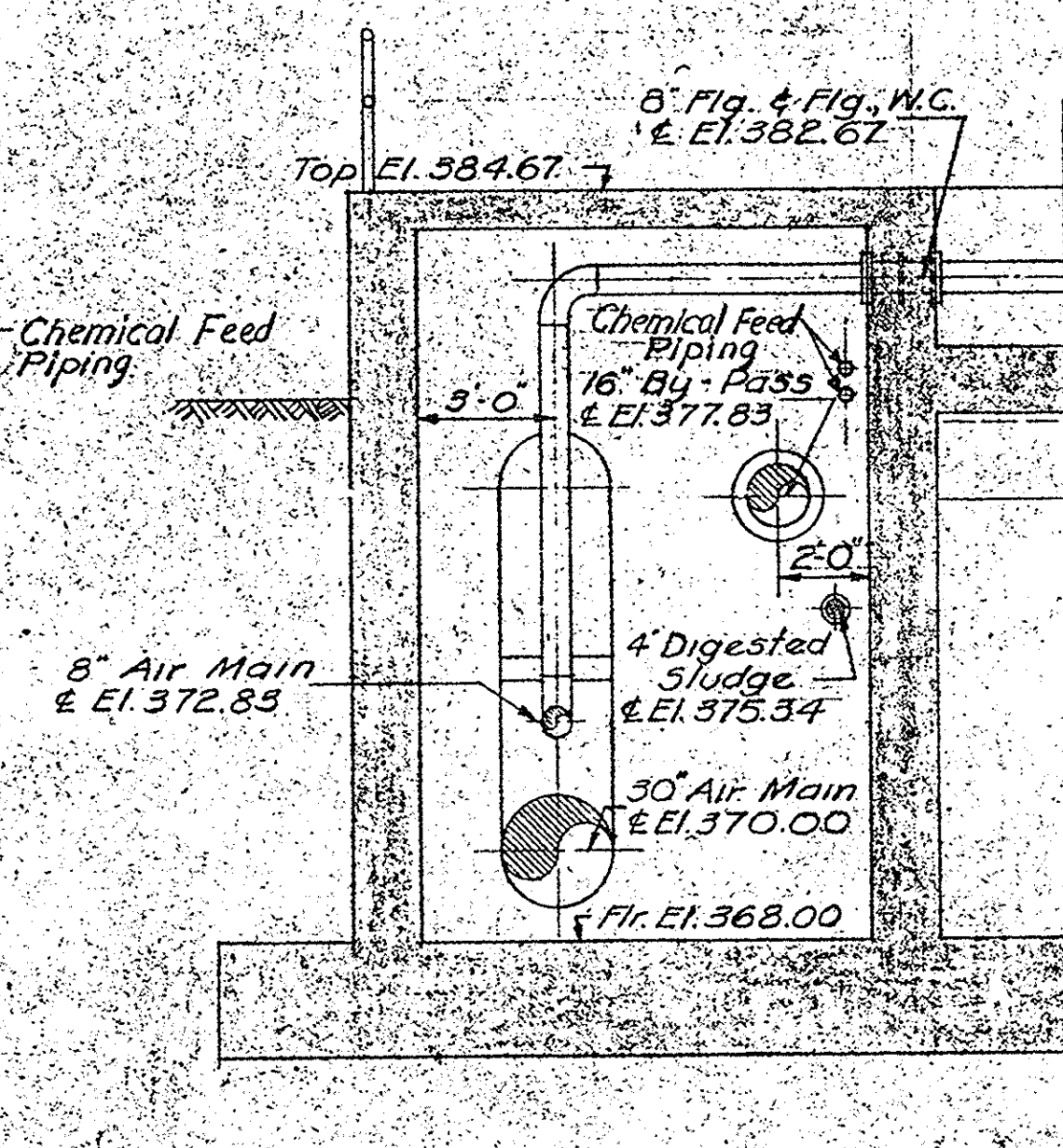
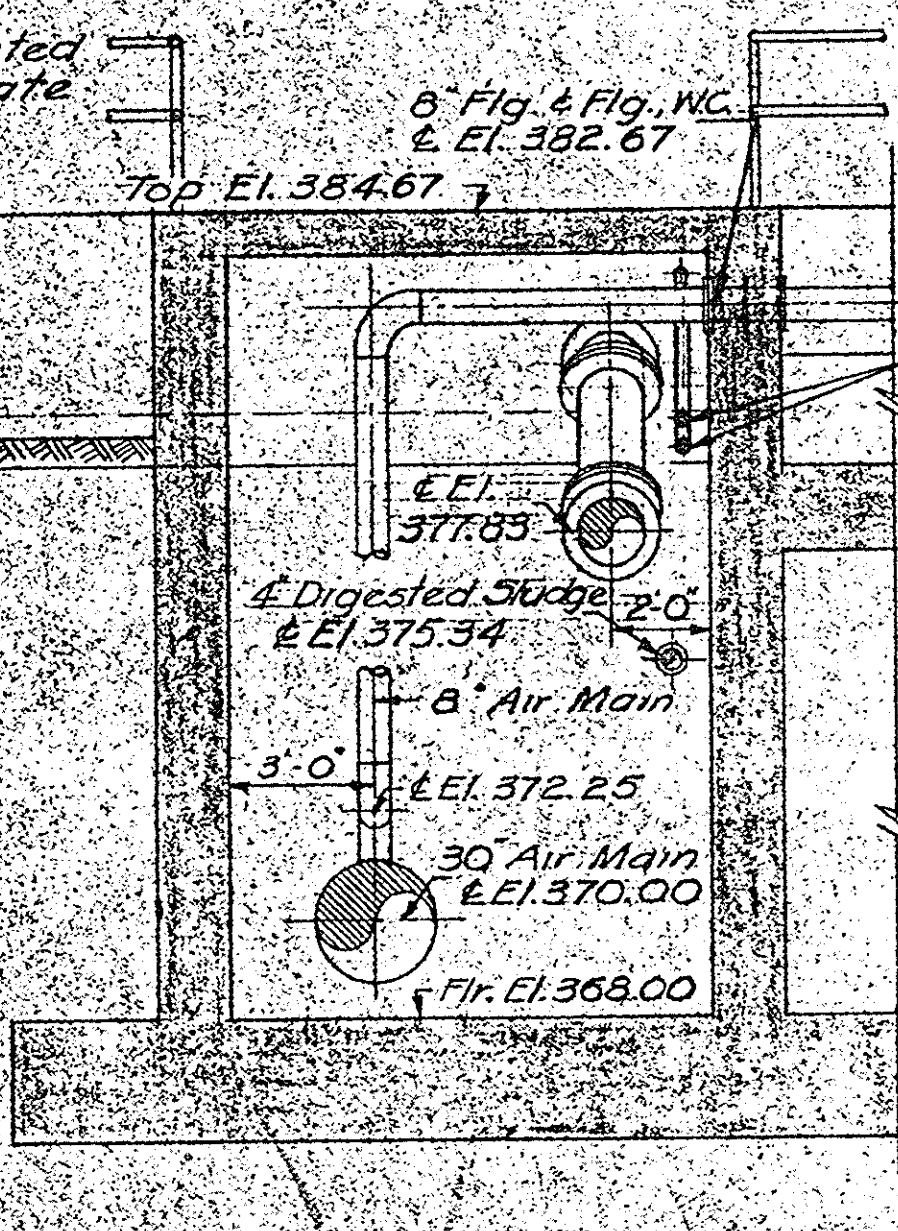
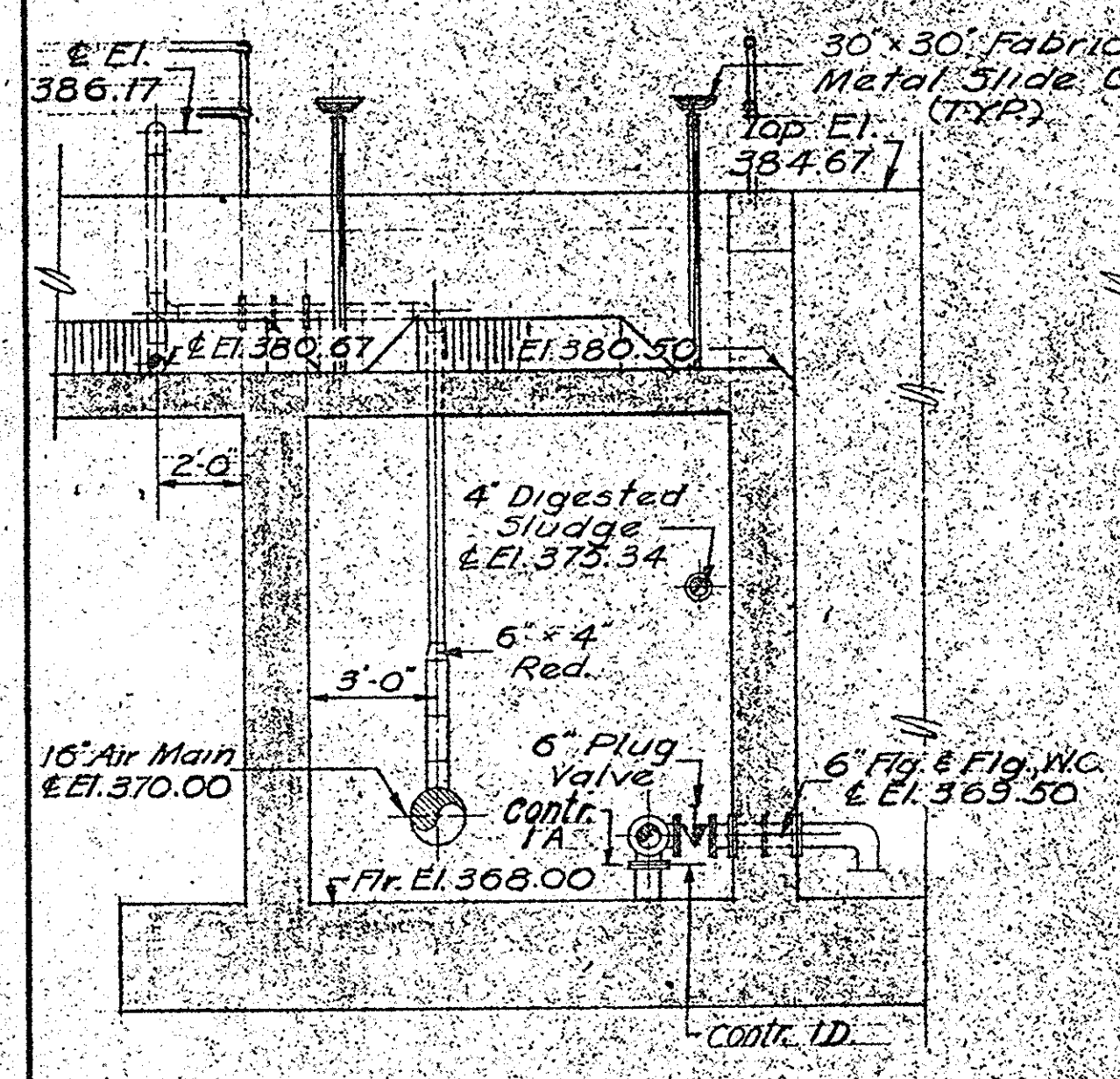
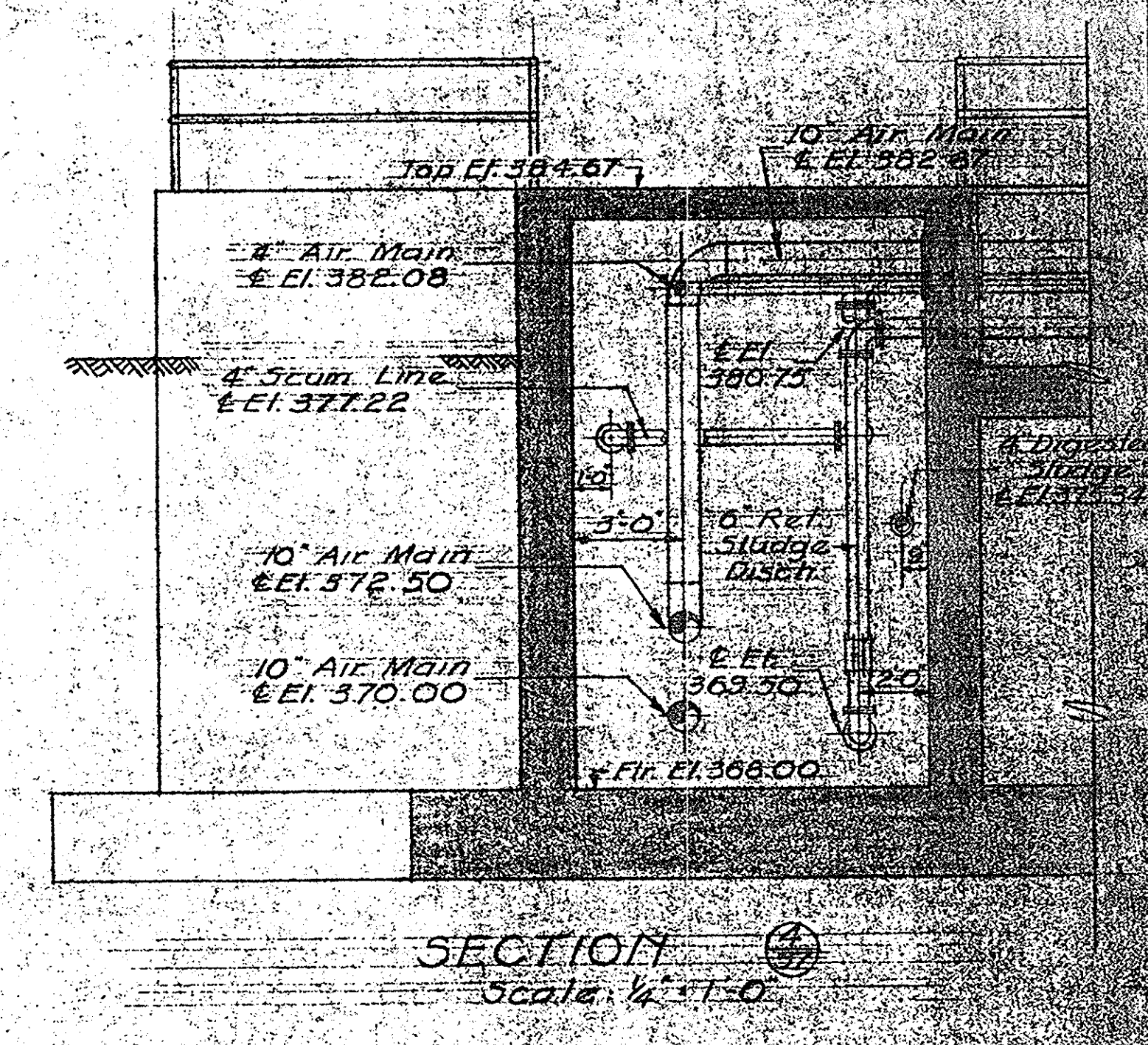
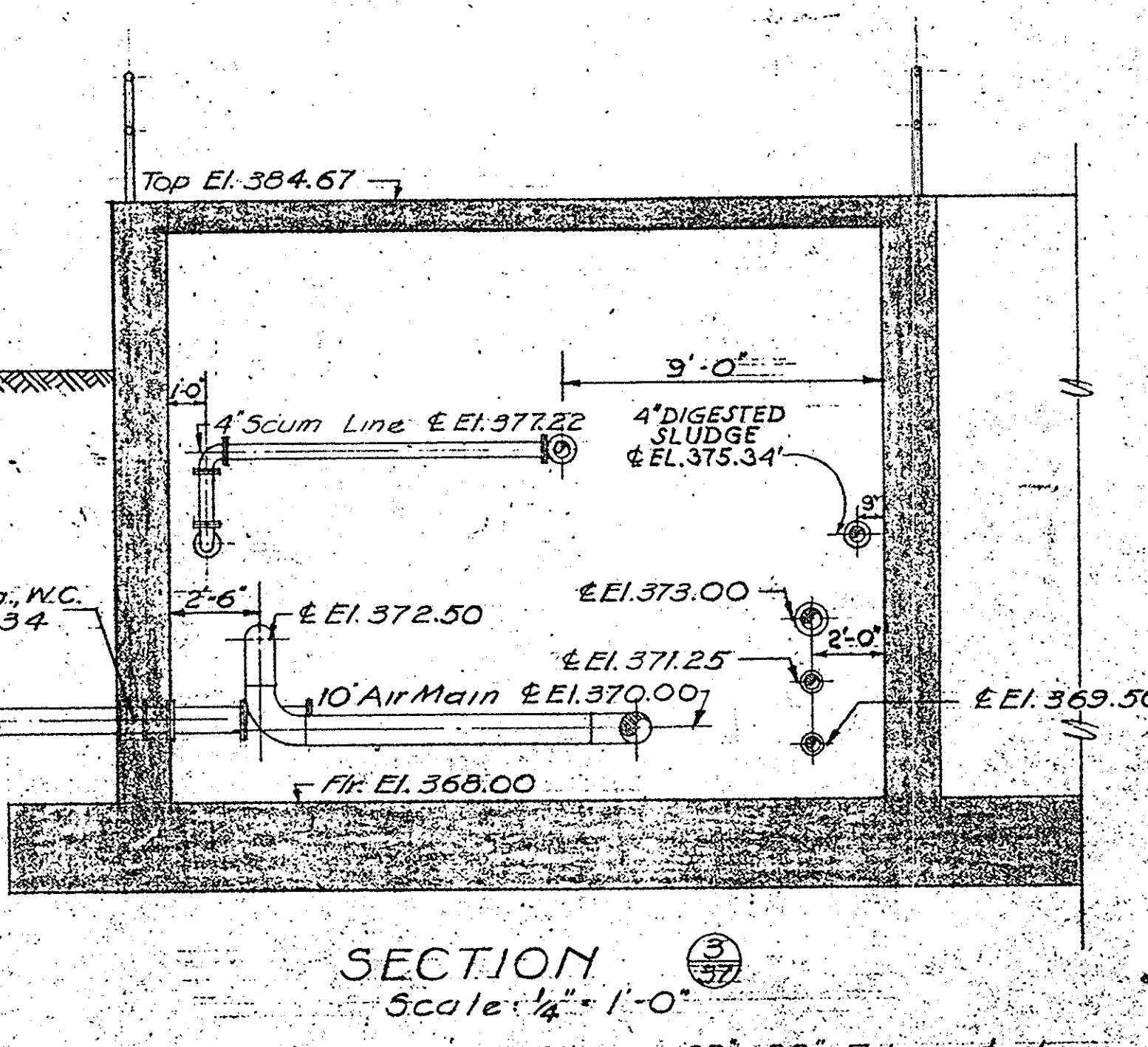
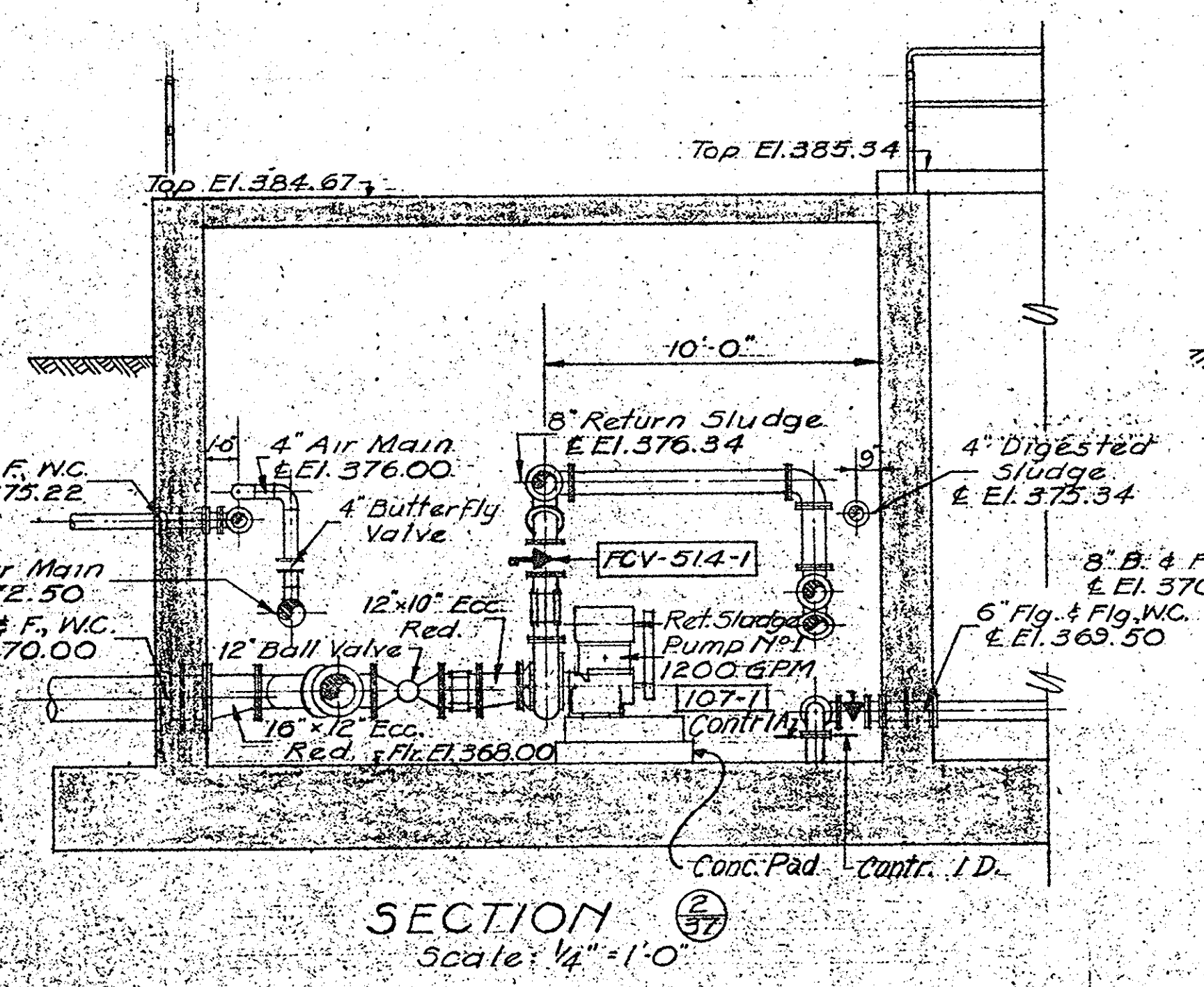
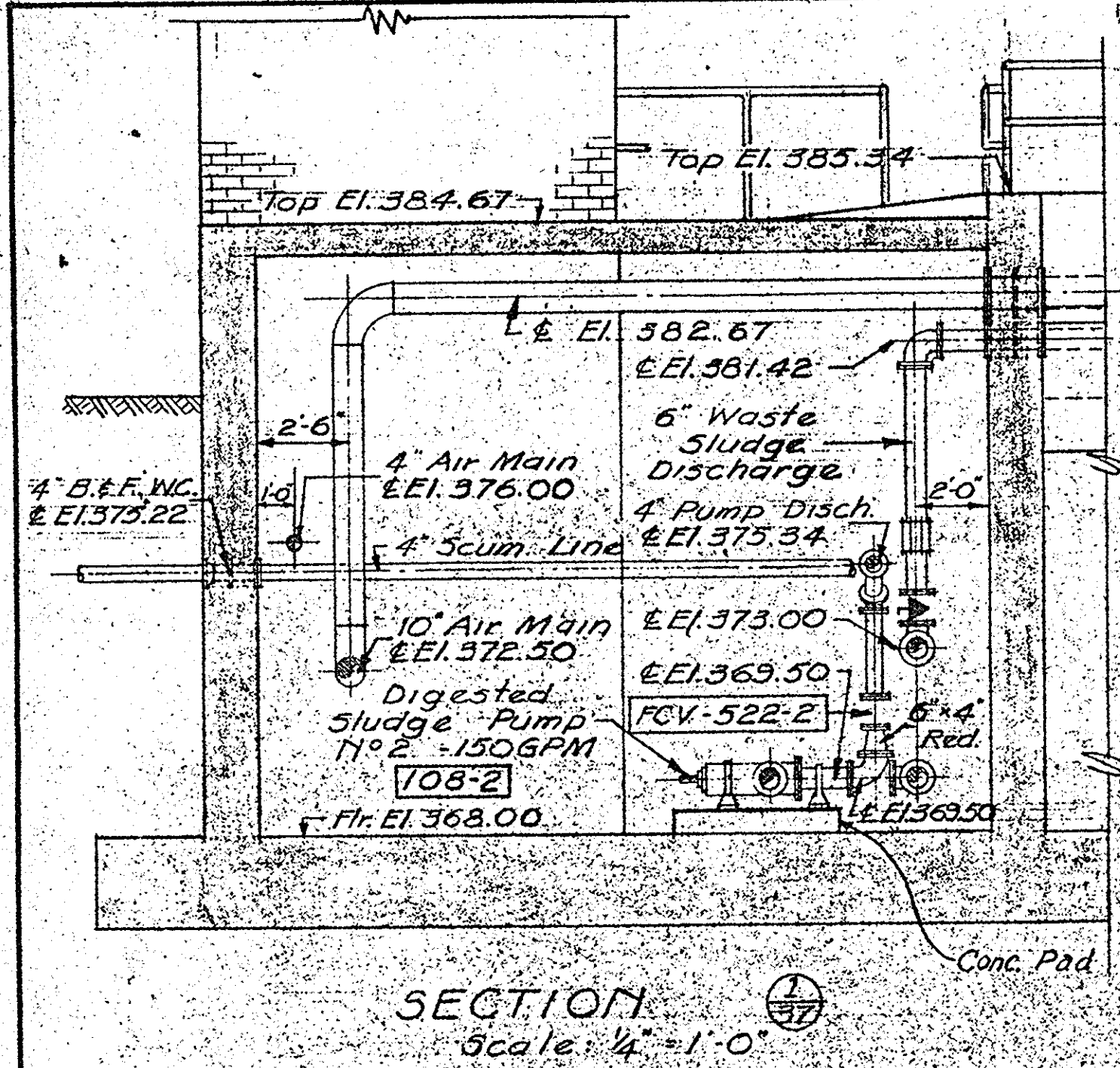
**SOUTH GALLERY
PLAN - ELEV. 372.00**
Scale: 1/4" = 1'-0"



**SOUTH GALLERY
PLAN - ELEV. 383.50**
Scale: 1/4" = 1'-0"

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: G.N.K.
CHECKED BY: D.C.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT AERATION TANKS EQUIPMENT TOWN OF CICERO ONONDAGA CO., N.Y.	
BARTON, BROWN, CLYDE & LOGIJDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS NOTED FILE NO. 55.32-41F
REVISIONS:	38



IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: R.N.K.
CHECKED BY: A.C.V.

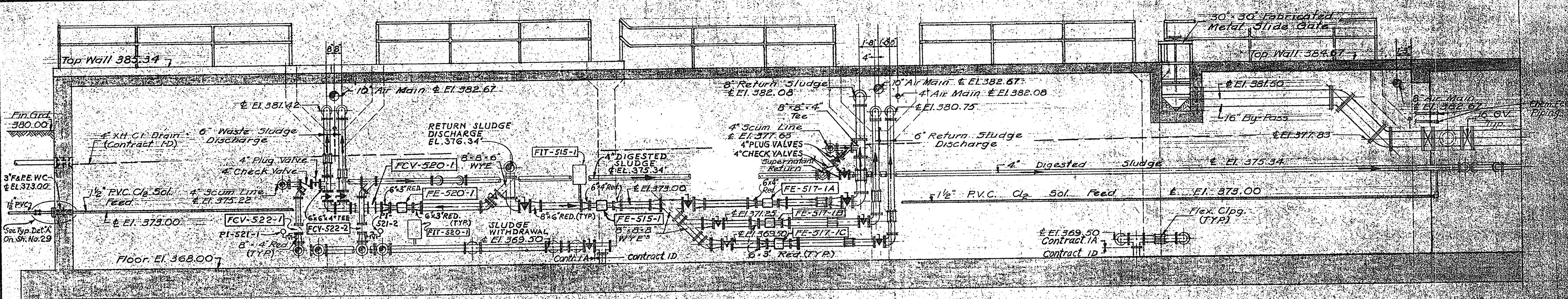
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
AERATION TANKS EQUIPMENT

TOWN OF CICERO ONONDAGA CO., N.Y.

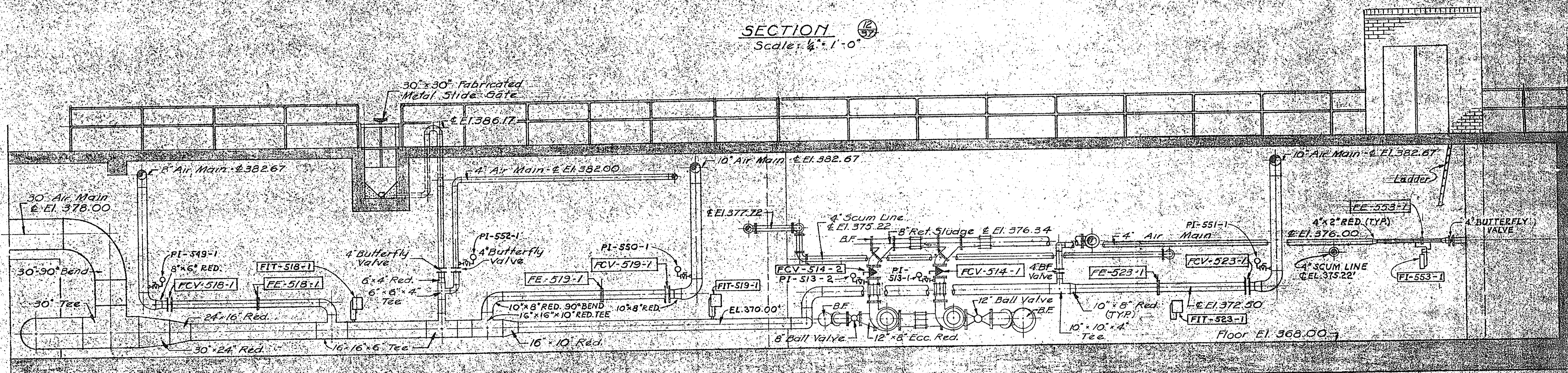
BARTON, BROWN, CLYDE & LOGUIDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
SCALE: AS NOTED
FILE NO: 5532-42F

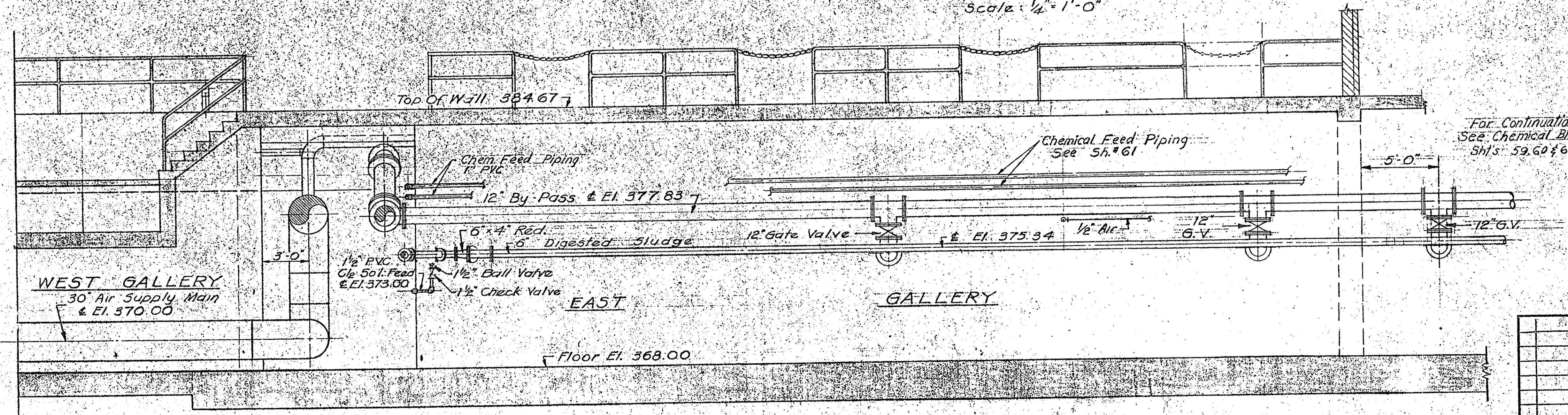
REVISIONS	



SECTION 4-1-0
Scale: 1/4" = 1'-0"



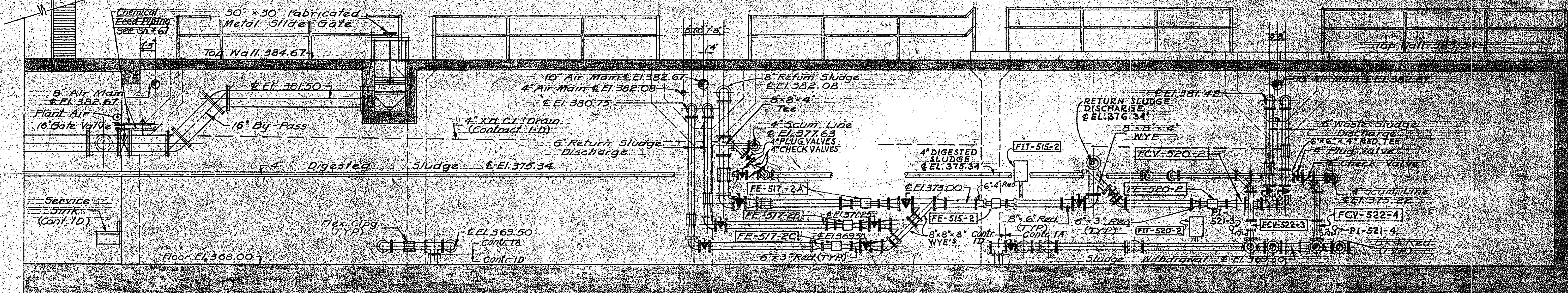
SECTION 4-2-0
Scale: 1/4" = 1'-0"



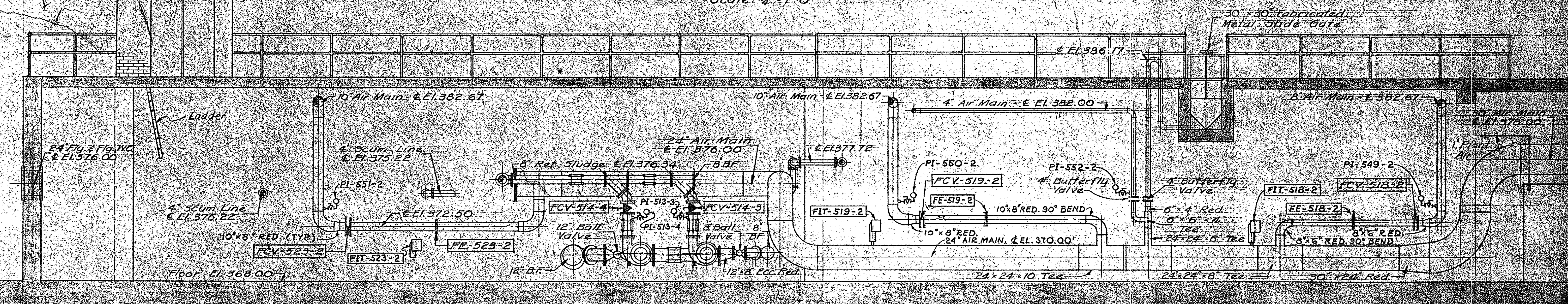
SECTION 4-3-0
Scale: 1/4" = 1'-0"

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT AERATION TANKS EQUIPMENT	
TOWN OF CICERO BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	ONONDAGA CO., N. Y. DATE: FEBRUARY 1976 SCALE: AS NOTED FILE NO.: 55.32-43F

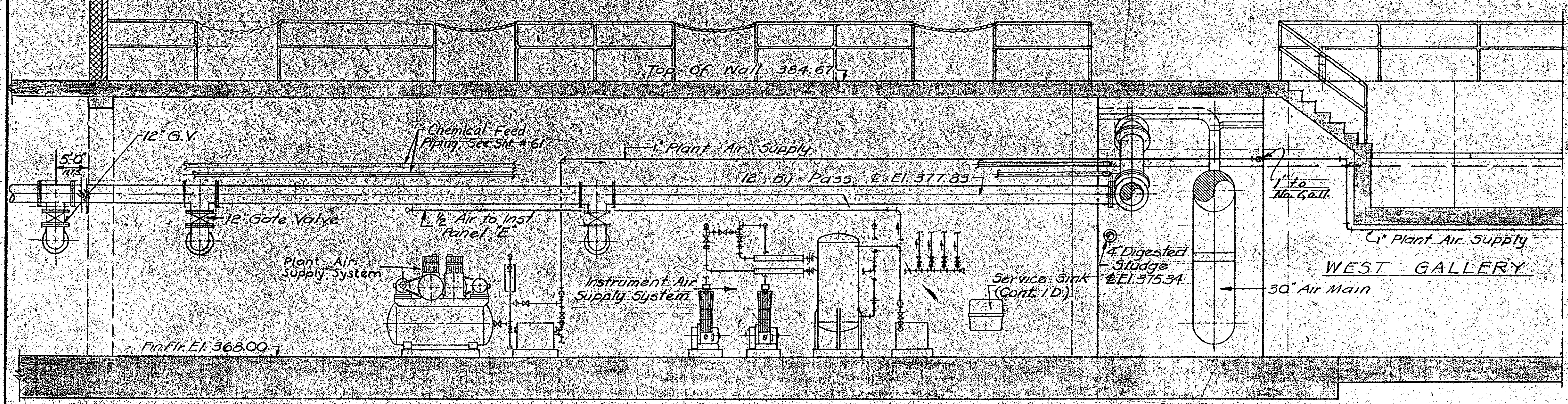
IN CHARGE OF: F.A.L.
 DESIGNED BY: A.C.M.
 DRAWN BY: E.A.K.
 CHECKED BY: [Signature]



SECTION 35
Scale: 1/4" = 1'-0"



SECTION 36
Scale: 1/4" = 1'-0"



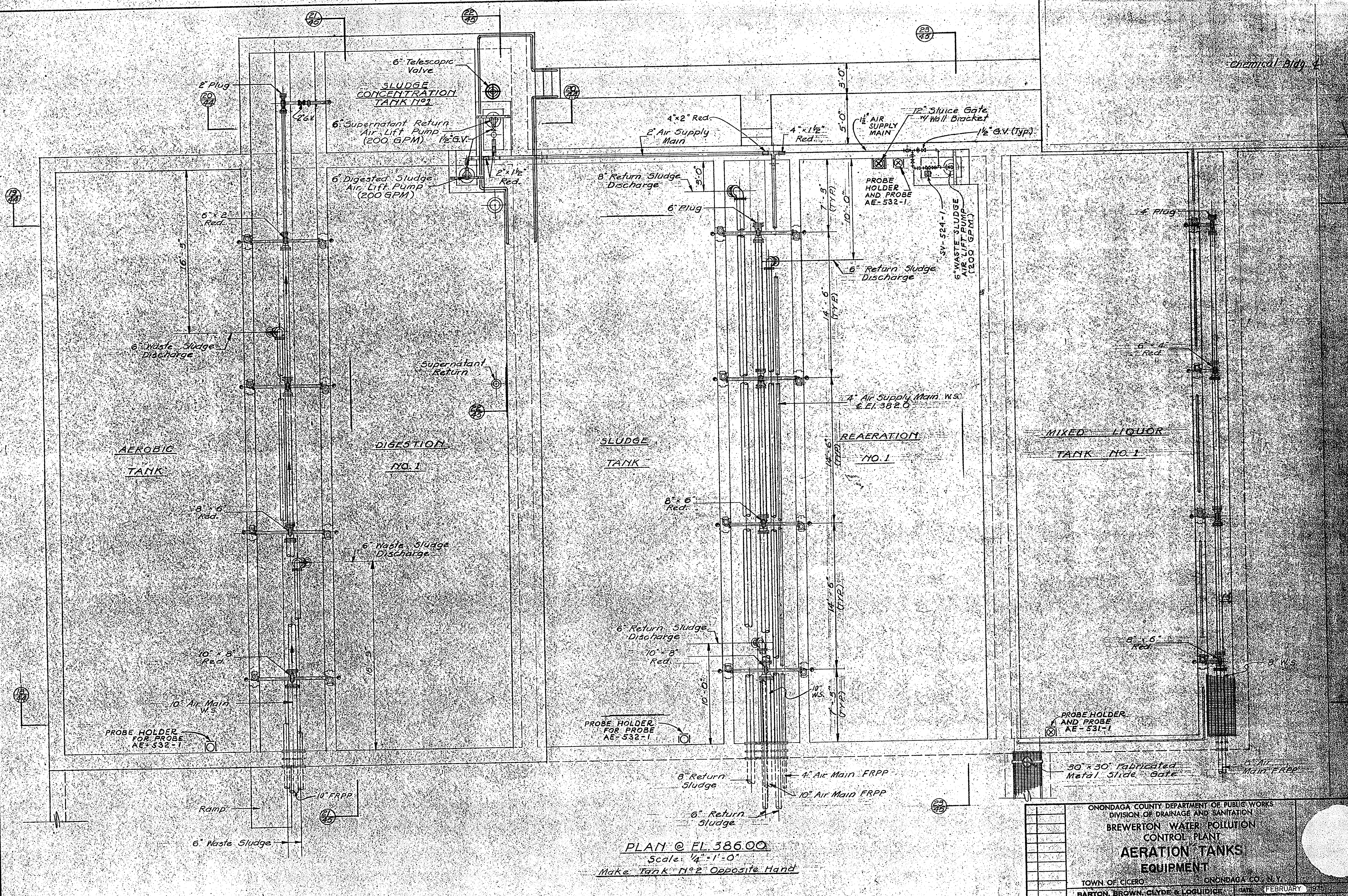
SECTION 37
Scale: 1/4" = 1'-0"

381.00
375.00

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: C.M.K.
CHECKED BY: J.O.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
AERATION TANKS EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUICQUE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	M.F.S. FEBRUARY 1976 SCALE: AS NOTED FILE NO. 55-32-44F

chemical Bldg 2



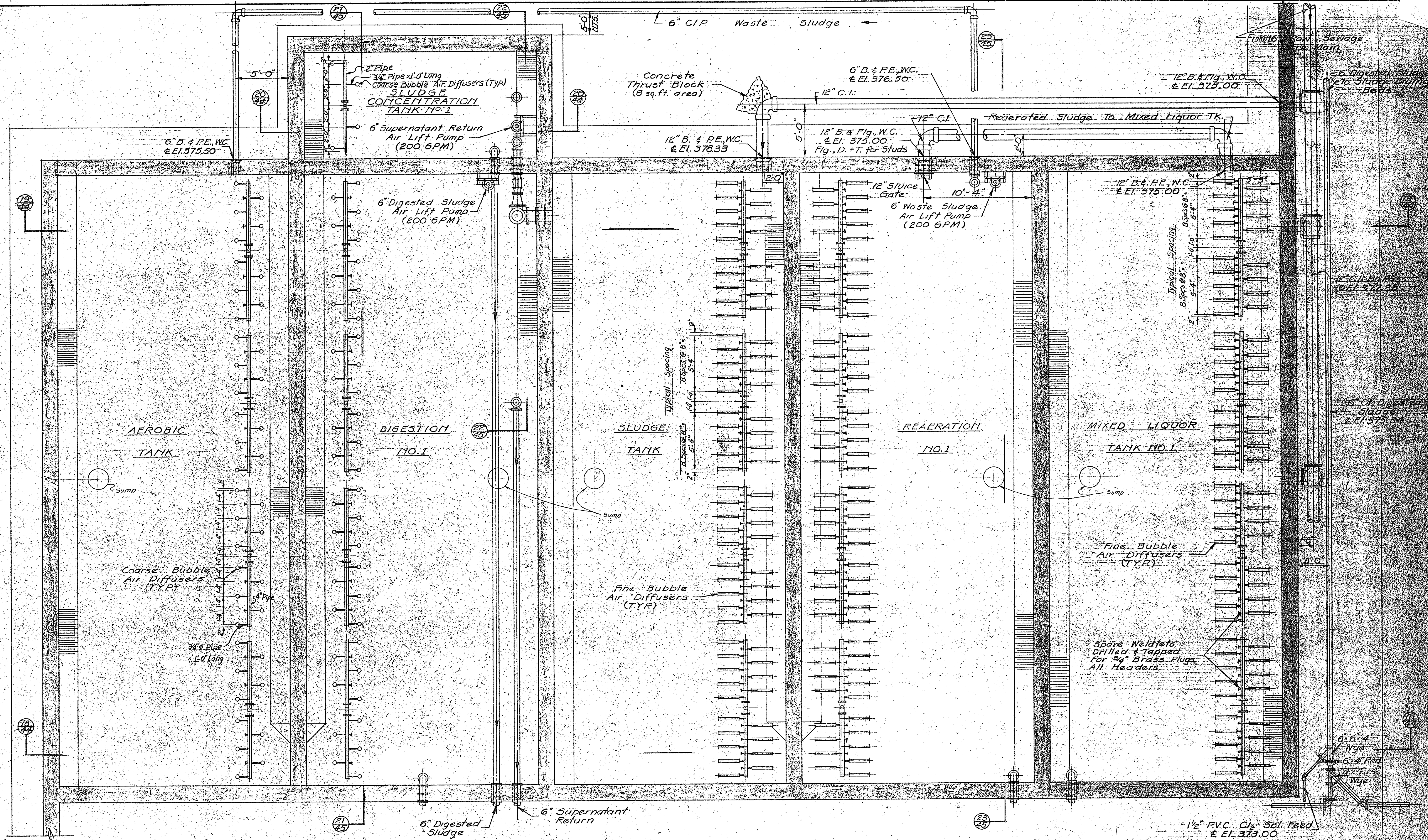
PLAN @ EL. 386.00
 Scale: 1/4" = 1'-0"
 Make Tank No. 2 Opposite Hand

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
AERATION TANKS EQUIPMENT

TOWN OF CICERO ONONDAGA CO., N.Y.
 BARTON, BROWN, GLYDE & GUILDICE
 CONSULTING ENGINEERS & LAND SURVEYORS
 NORTH SYRACUSE, NEW YORK

JAN. FEBRUARY 1975
 SHEET NO. 5532-45F

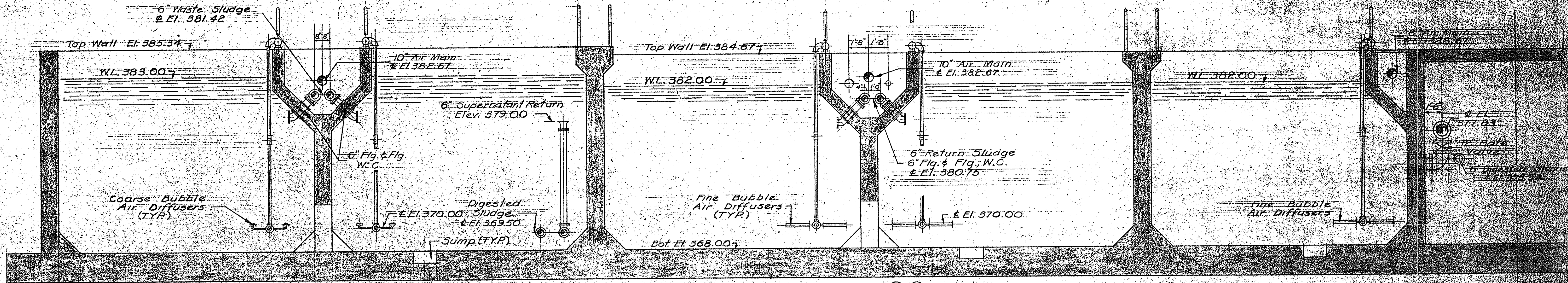
IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: T.N.K.
 CHECKED BY: [Signature]



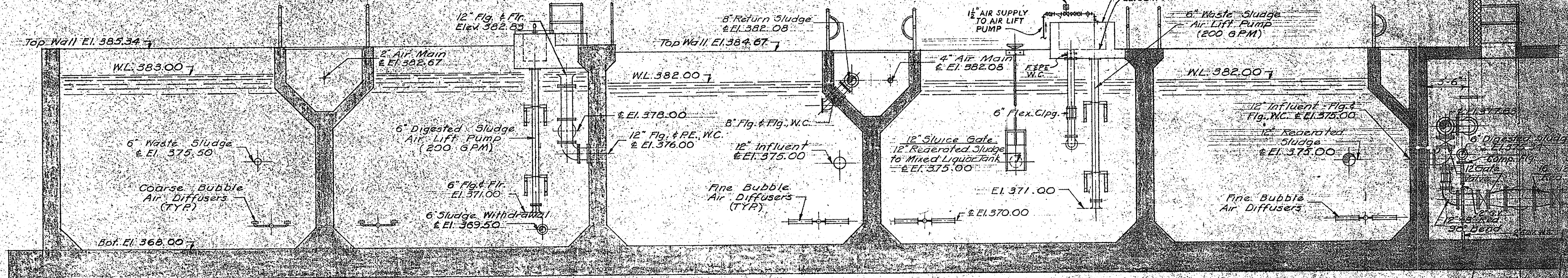
PLAN @ EL. 379.00
 Scale: 1/4" = 1'-0"
 MAKE TANK NO. 2 OPPOSITE HAND

IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: E.N.K.
 CHECKED BY: [Signature]

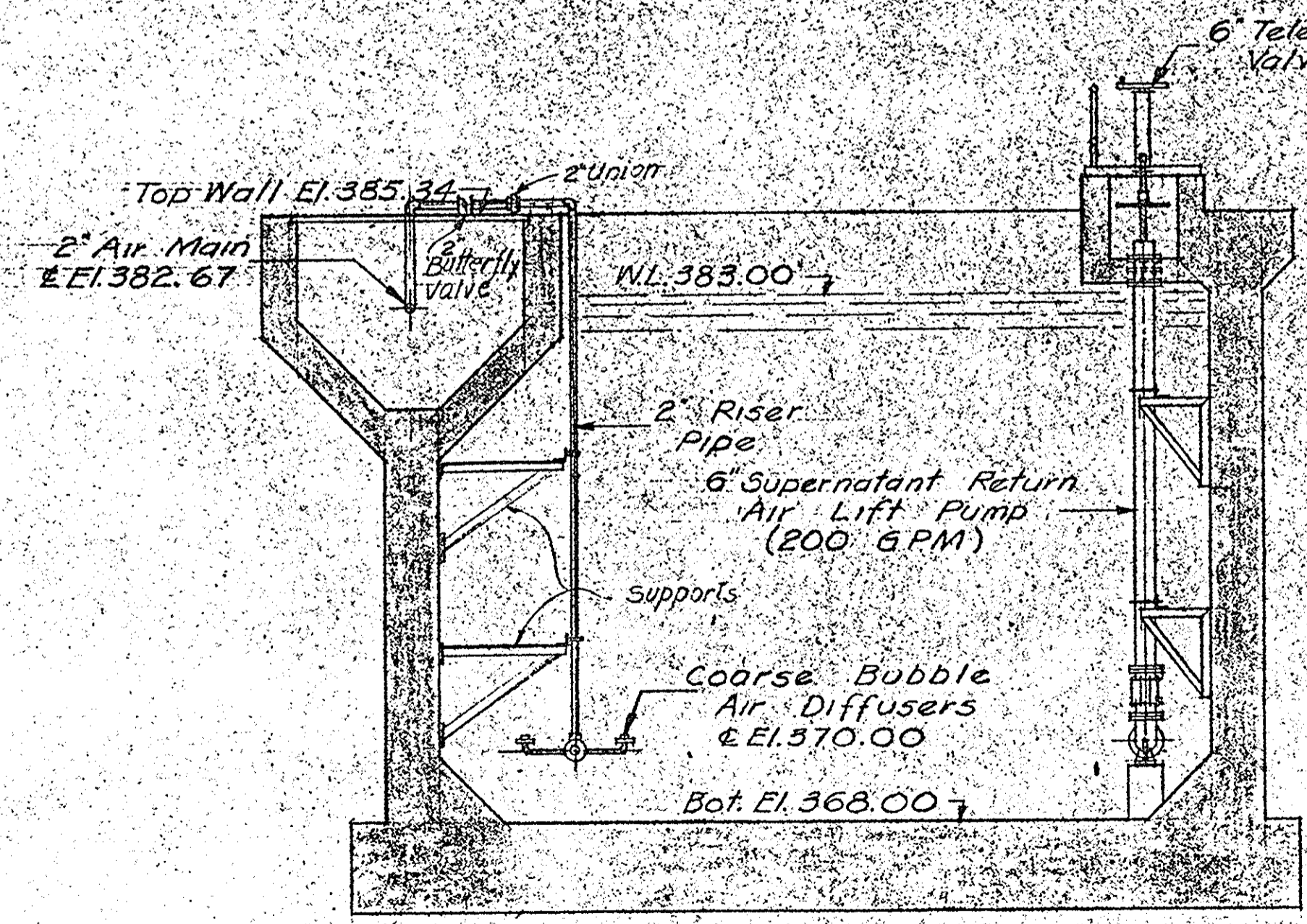
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT AERATION TANKS EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N. Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: 1/4" = 1'-0" FILE NO.: 55-32-46F



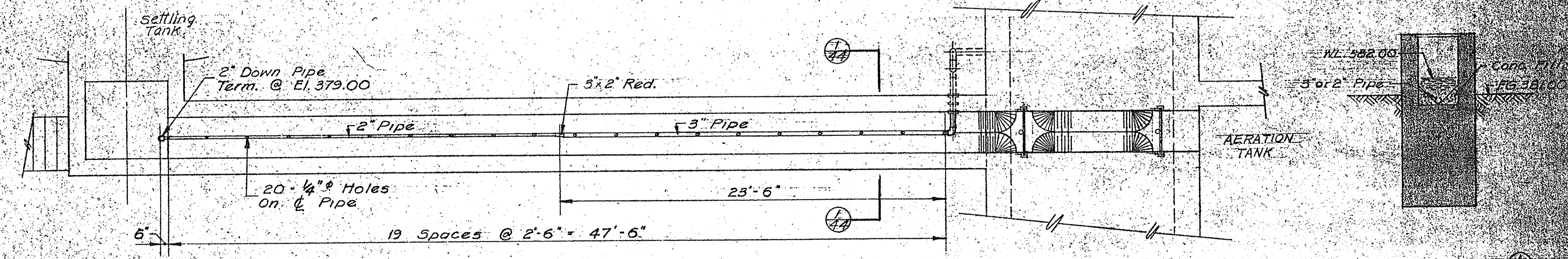
SECTION 18-19
Scale: 1/4" = 1'-0"



SECTION 19-20
Scale: 1/4" = 1'-0"



SECTION 20-21
Scale: 1/4" = 1'-0"

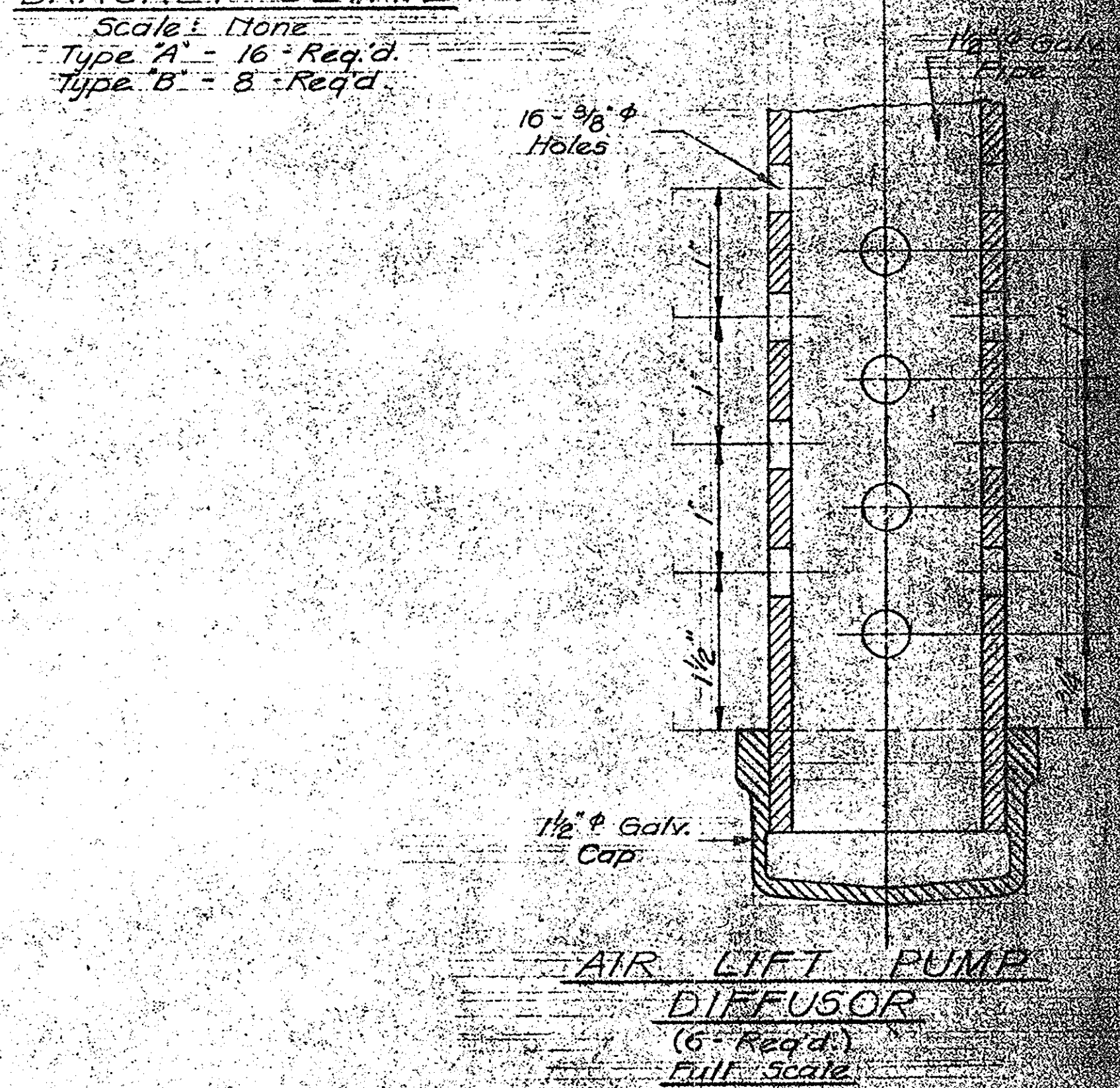
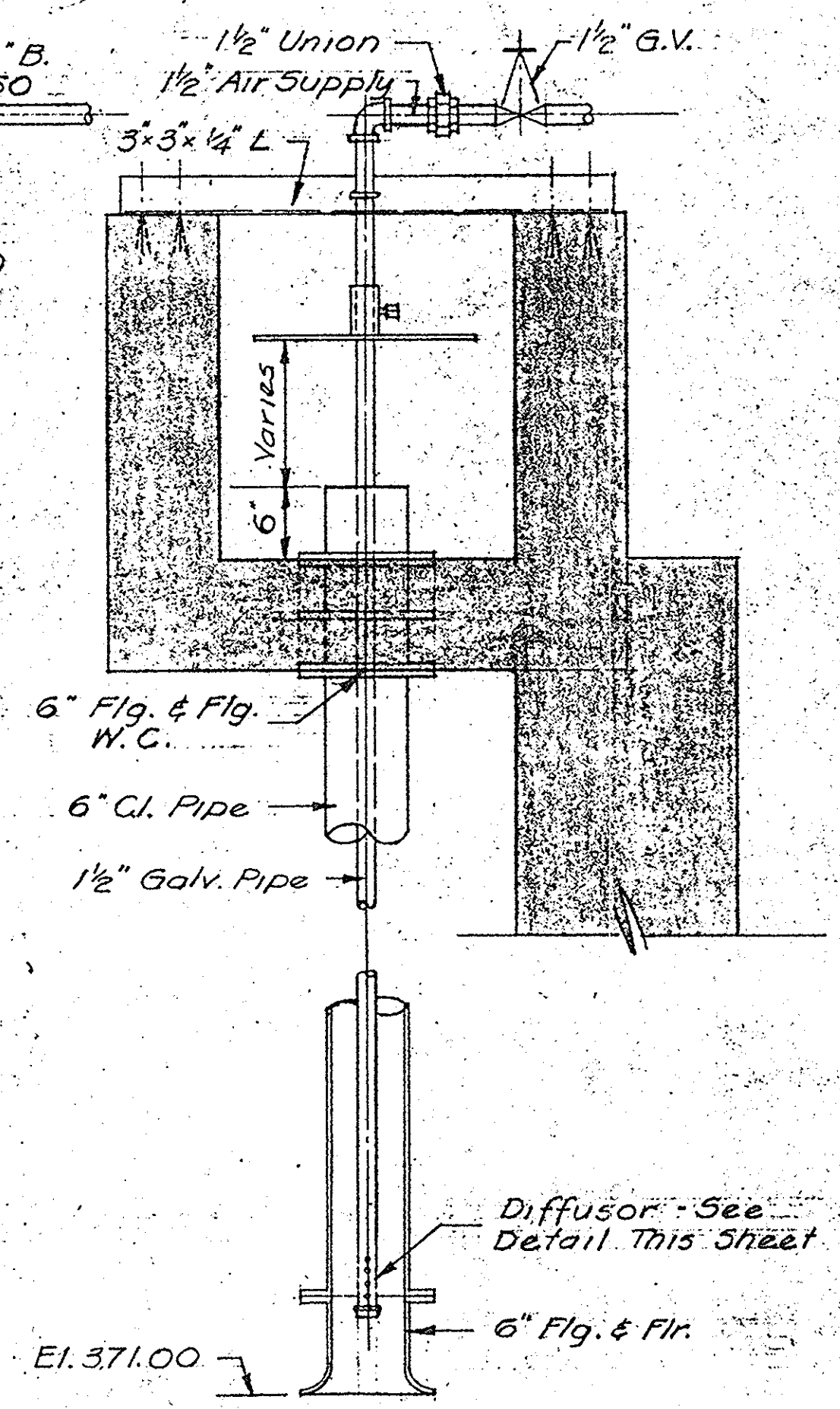
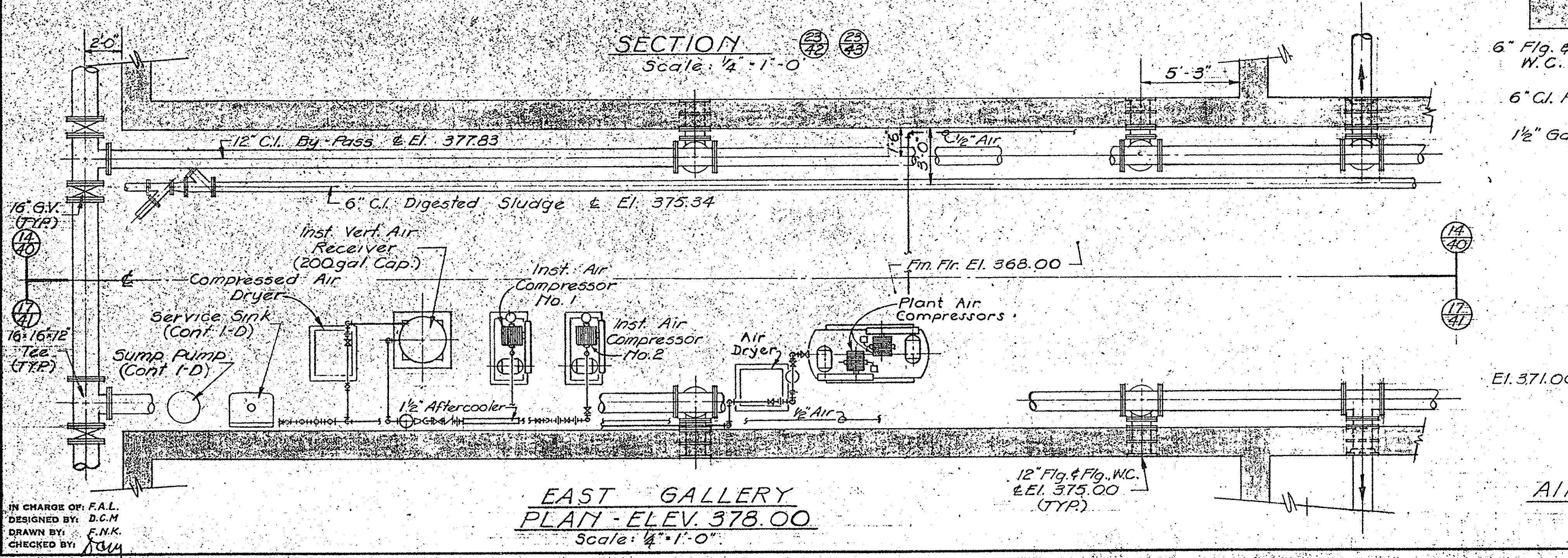
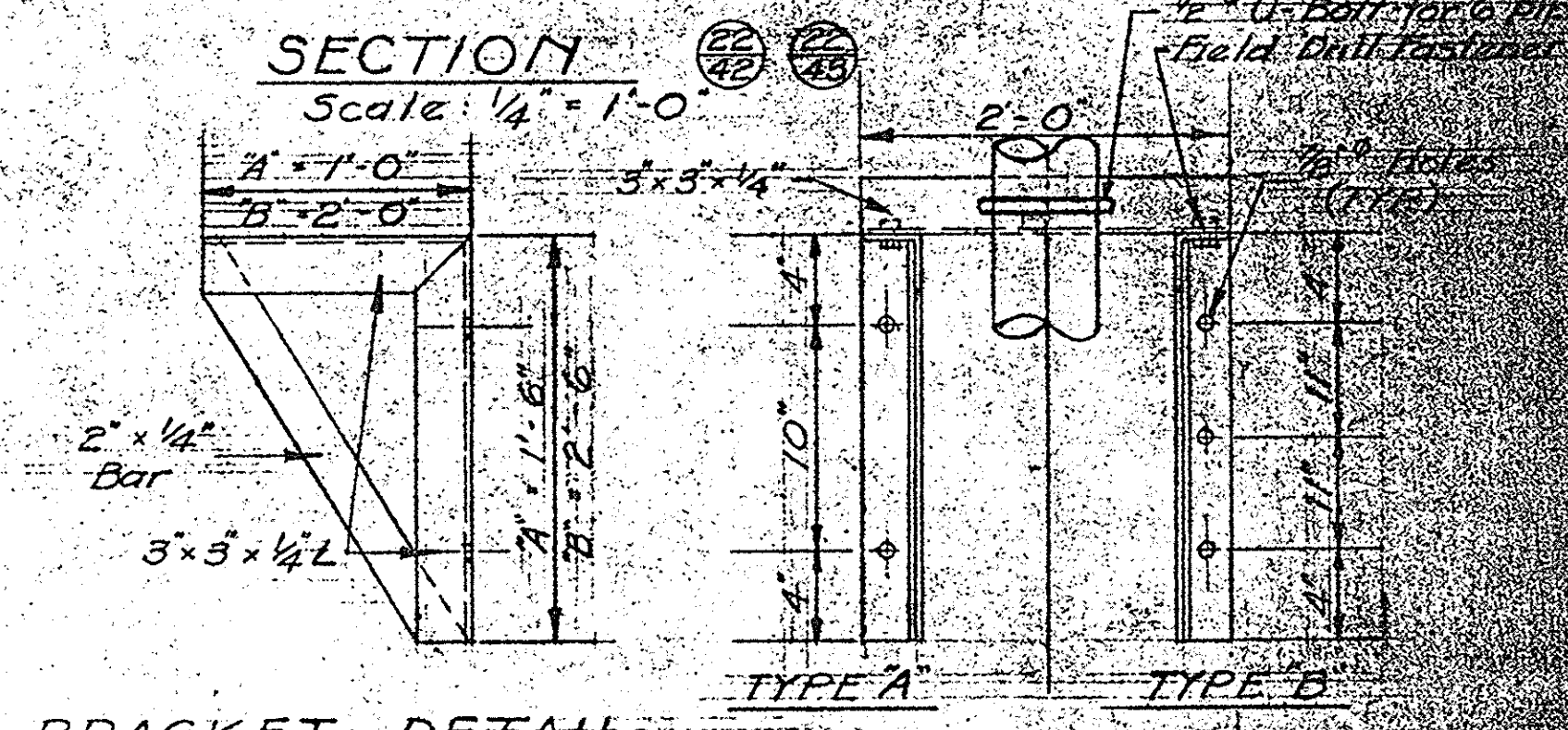
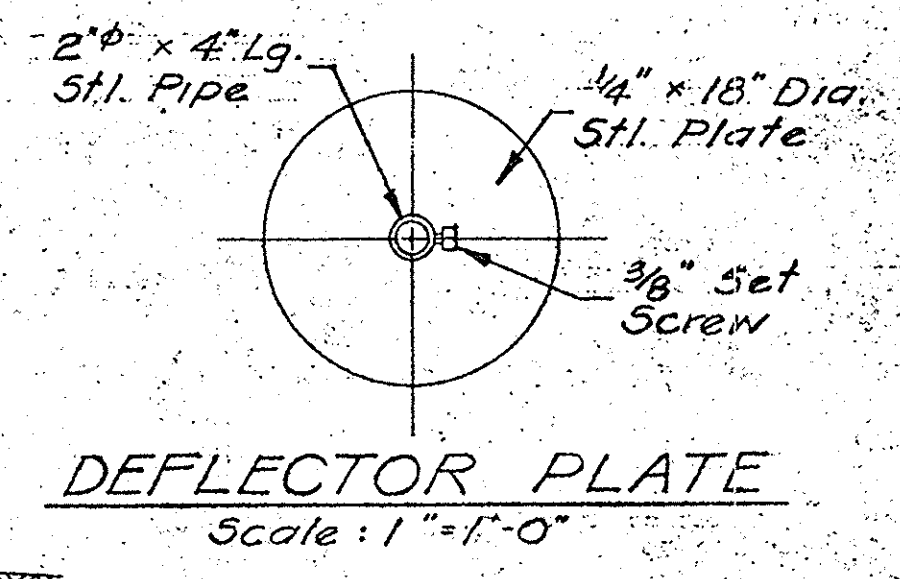
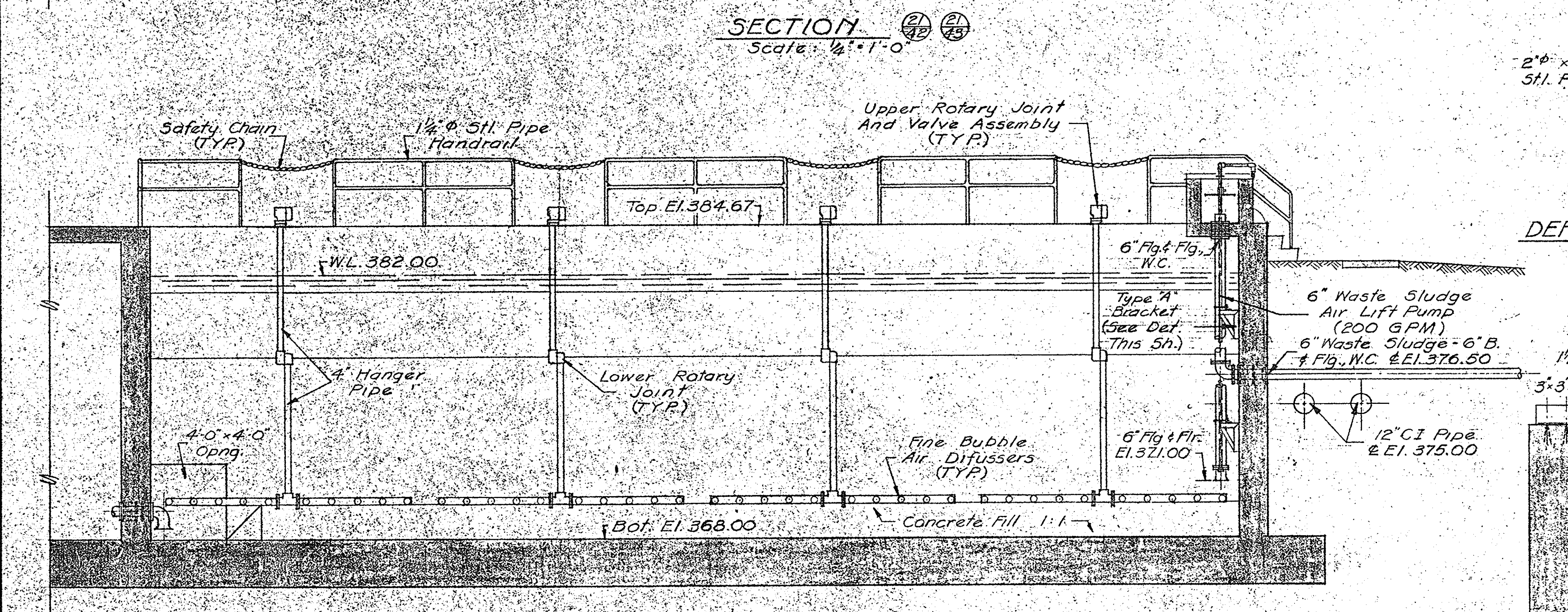
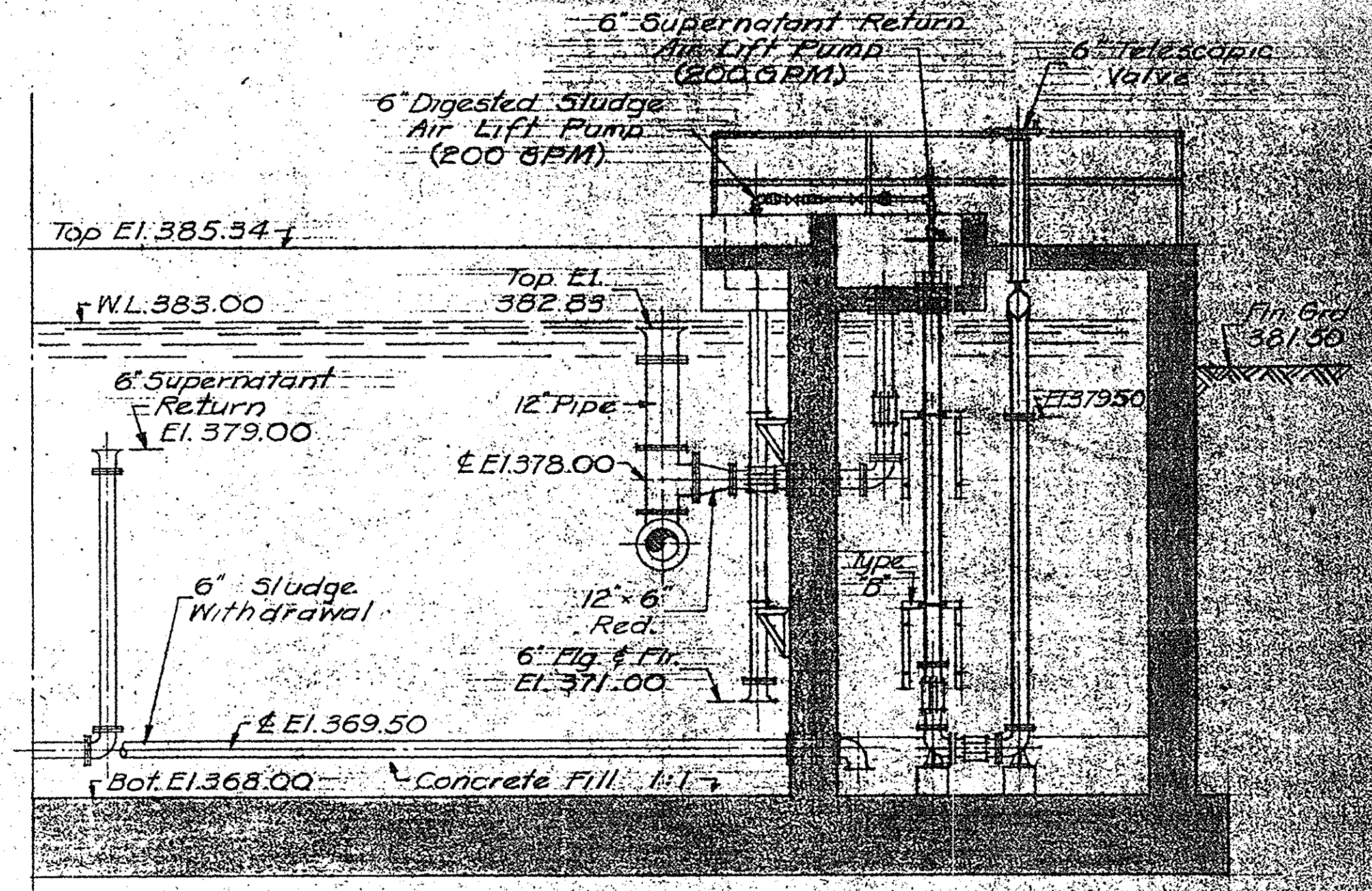
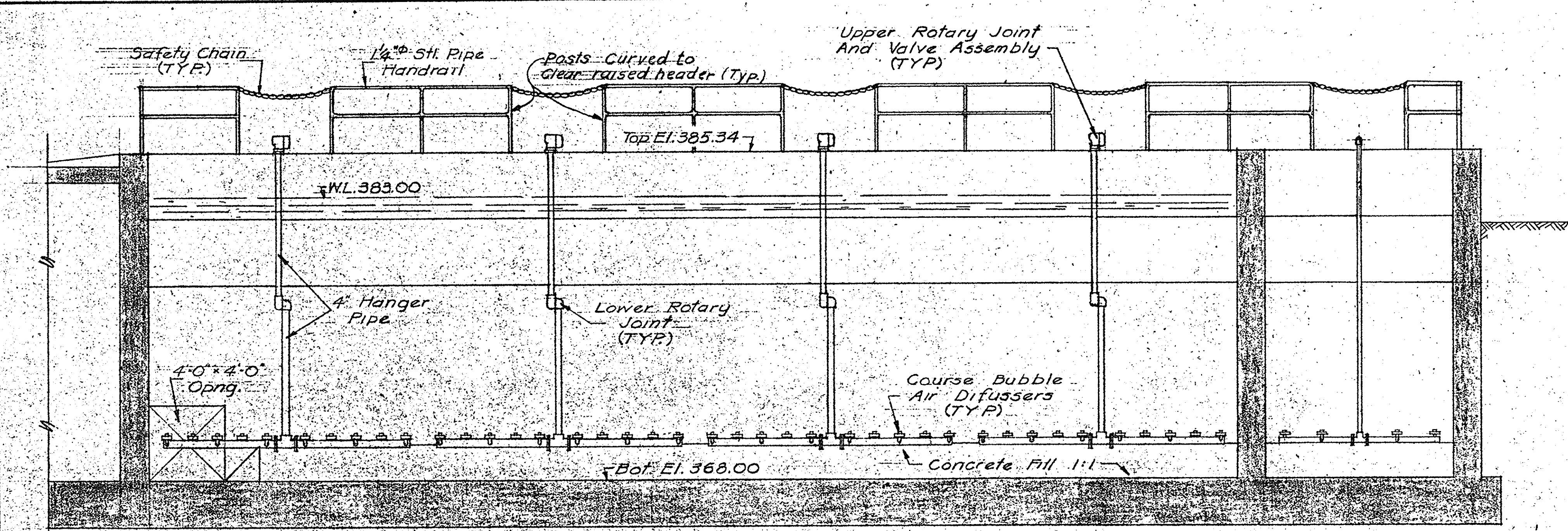


PLAN (TYP)
CHANNEL PIPING
Scale: 1/4" = 1'-0"

15.5
47.5
63.0

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: F.M.K.
CHECKED BY: J.C.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT AERATION TANKS EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS NOTED FILE NO.: 5332-47F
REVISIONS	

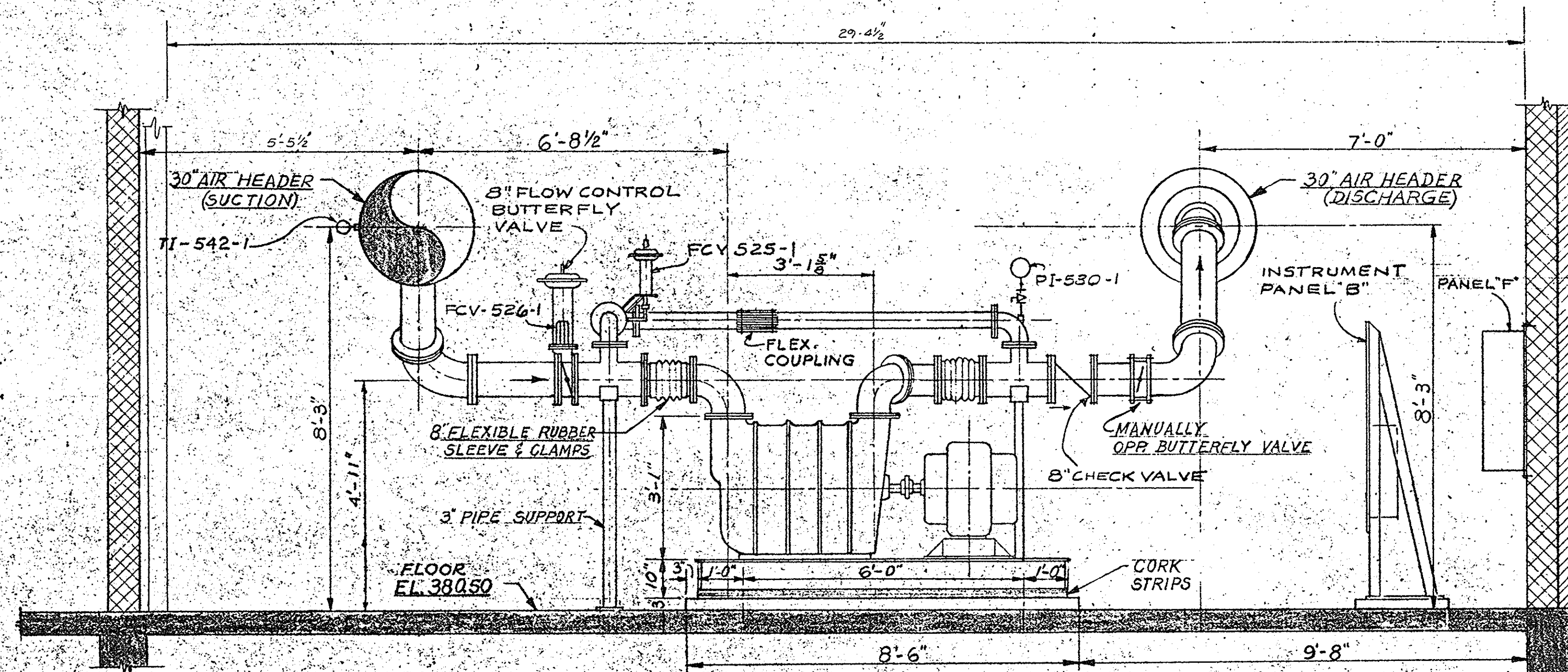


IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: F.N.K.
 CHECKED BY: [Signature]

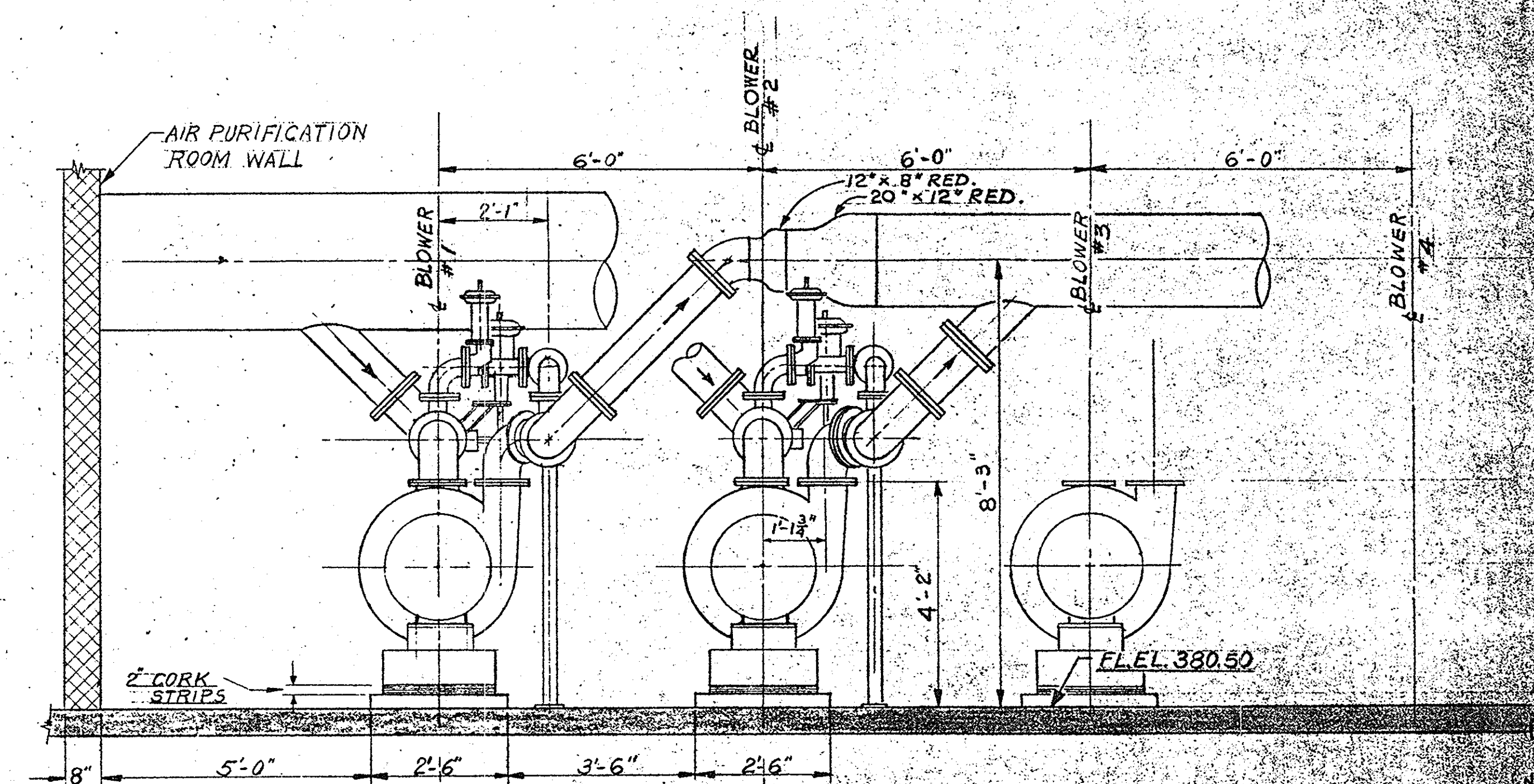
EAST GALLERY
 PLAN - ELEV. 378.00
 Scale: 1/4" = 1'-0"

DETAILS
 AIR LIFT PUMP
 Scale: 1" = 1'-0"

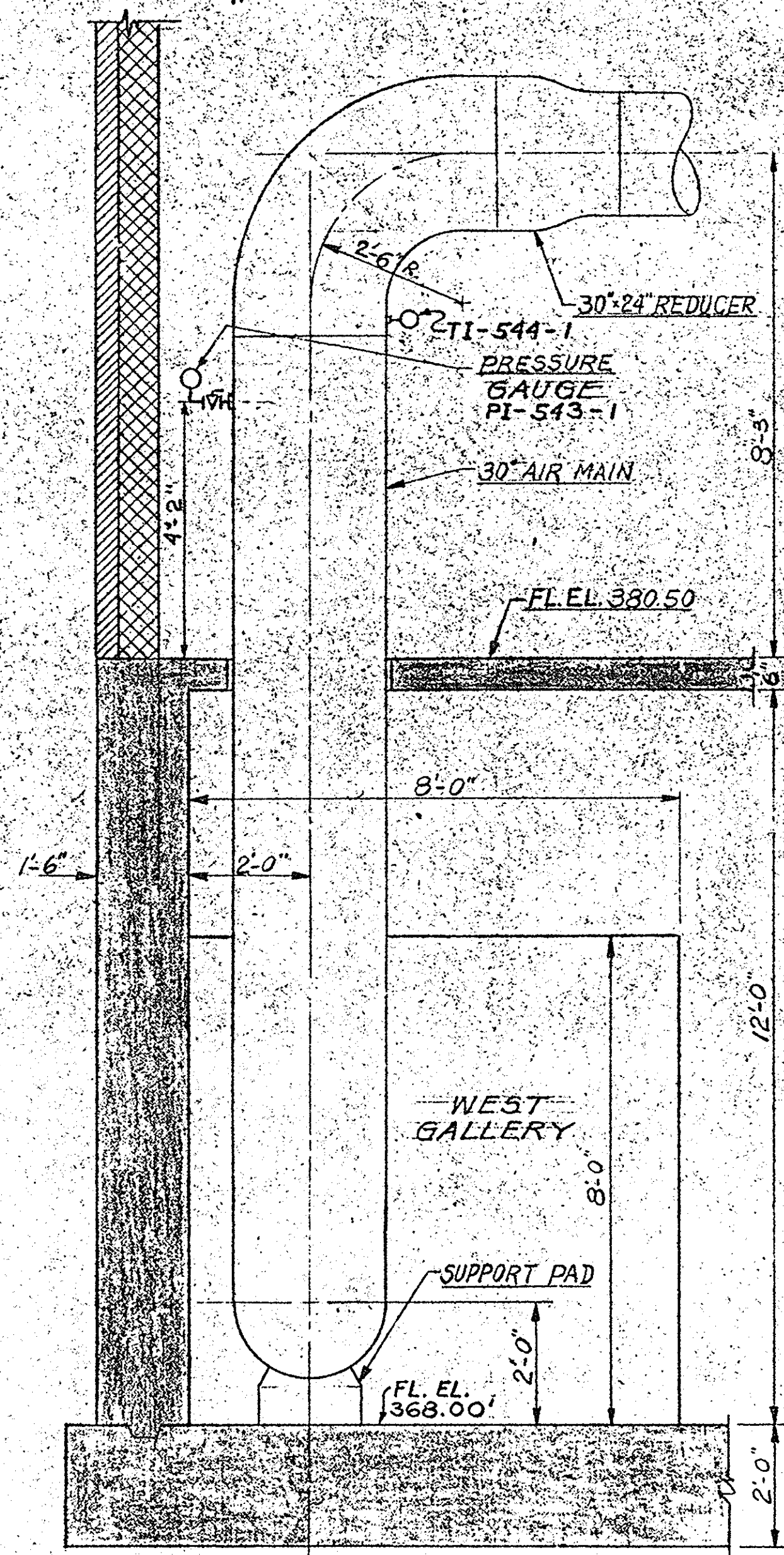
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT AERATION TANKS EQUIPMENT TOWN OF CICERO ONONDAGA CO., N.Y.		DATE: FEBRUARY 1975 SCALE: AS NOTED FILE NO.: 55.32-48F
BARTON BROWN CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	REVISIONS	



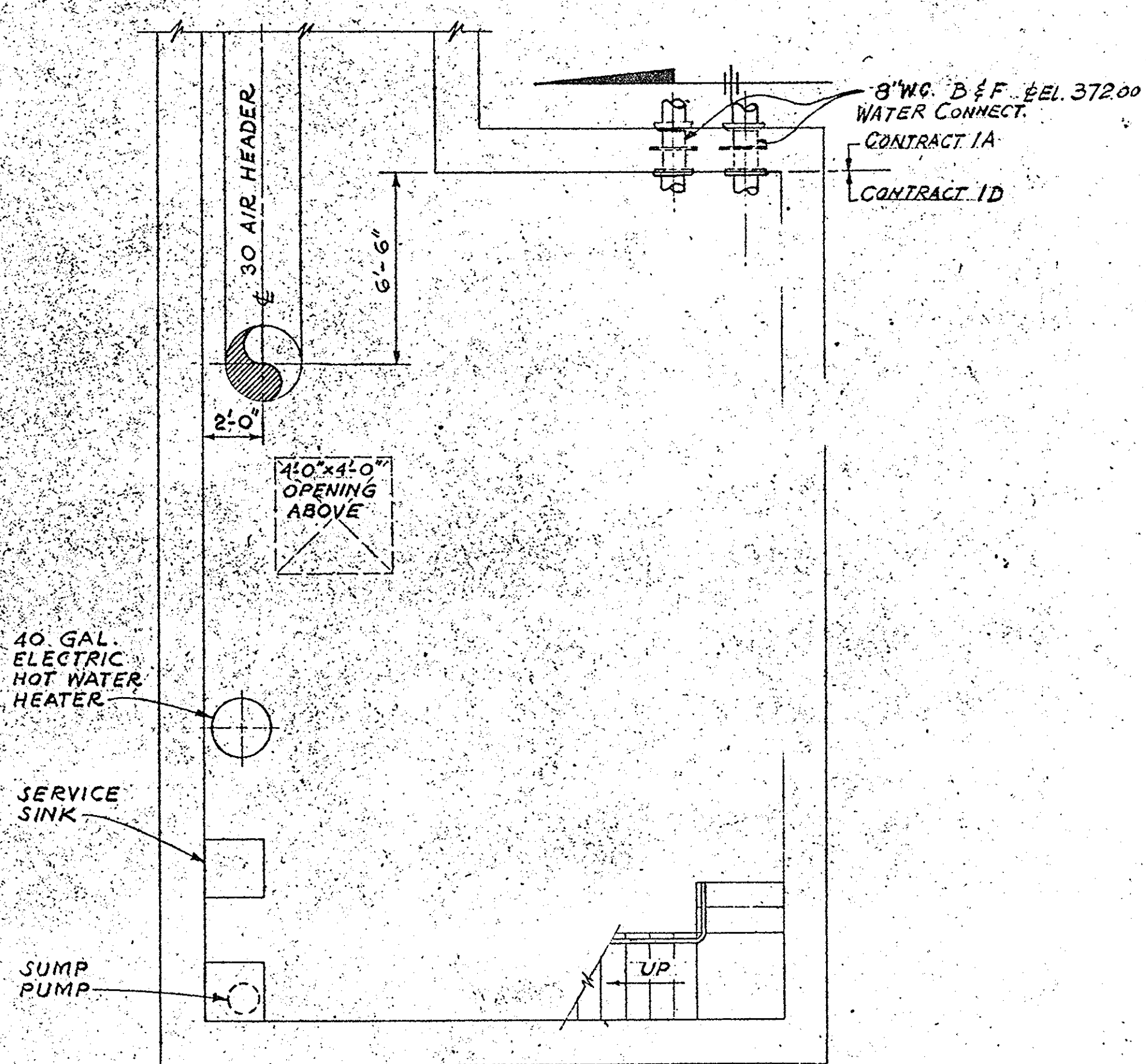
SECTION 27
SCALE: 1/2" = 1'-0"



SECTION 28
SCALE: 1/2" = 1'-0"



SECTION 29
SCALE: 1/2" = 1'-0"



ARRANGEMENT OF EQUIPMENT
CONTROL BLDG. BASEMENT
FLOOR EL. 368.00'
SCALE: 1/4" = 1'-0"

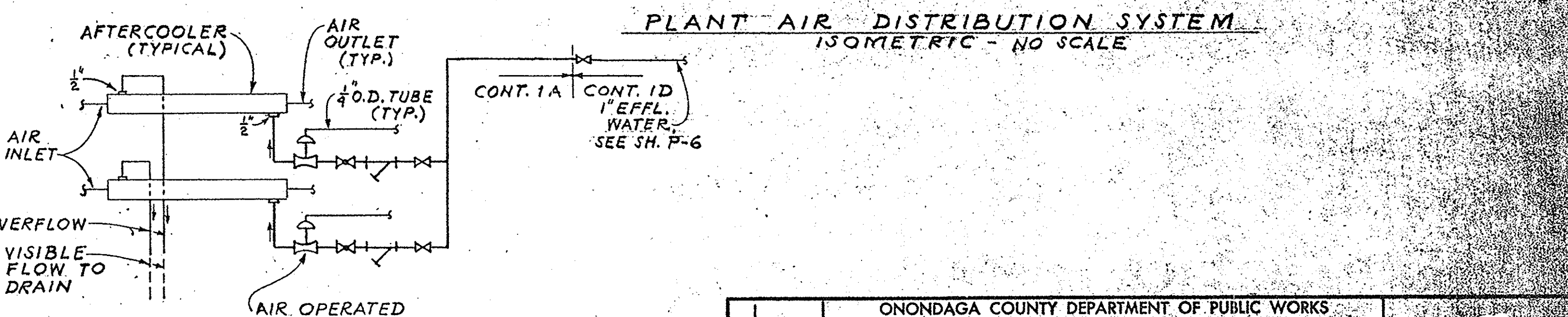
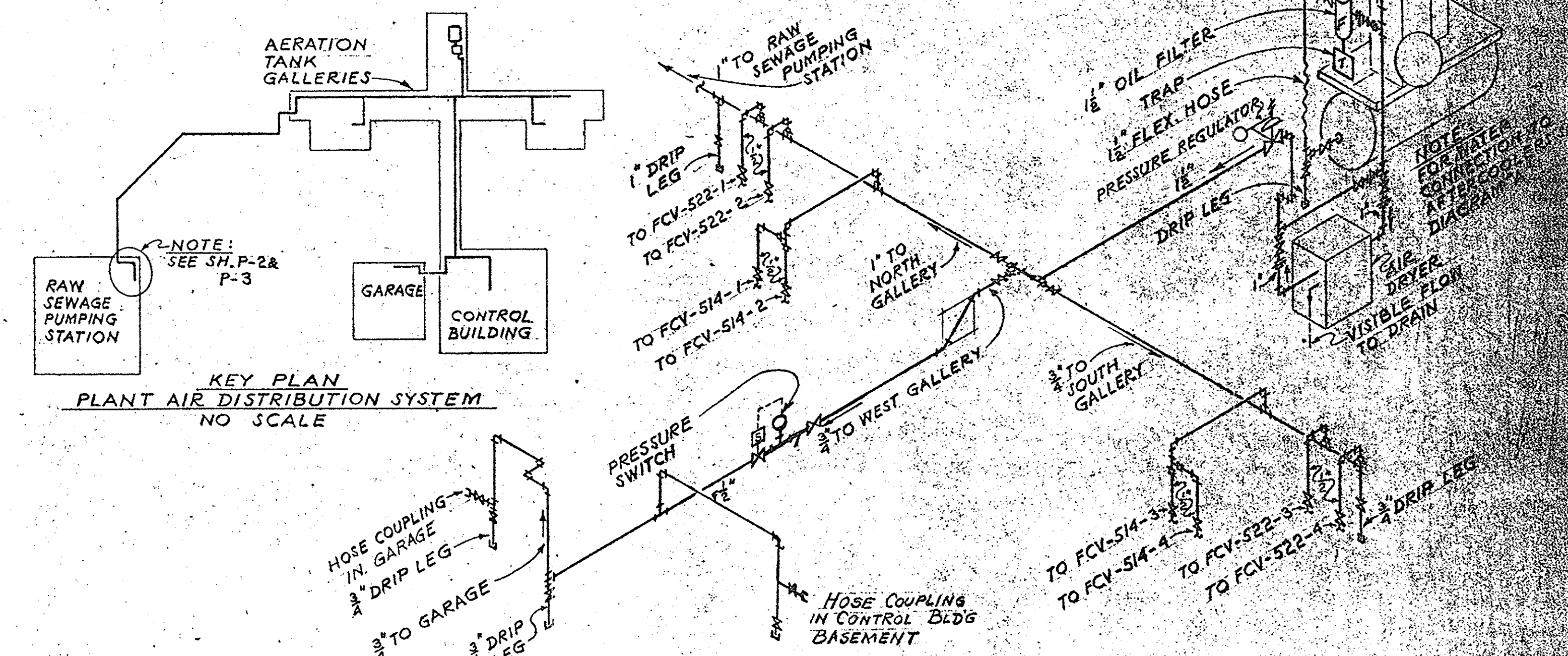
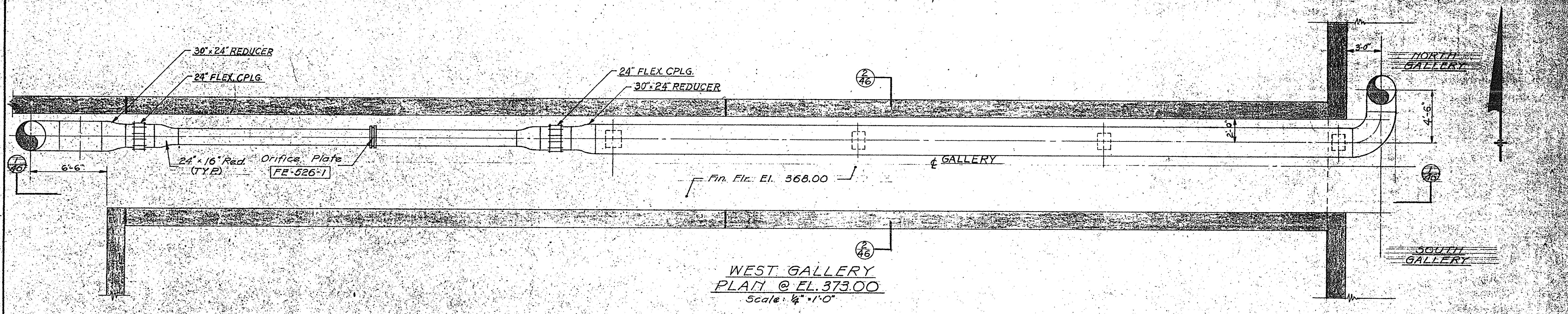


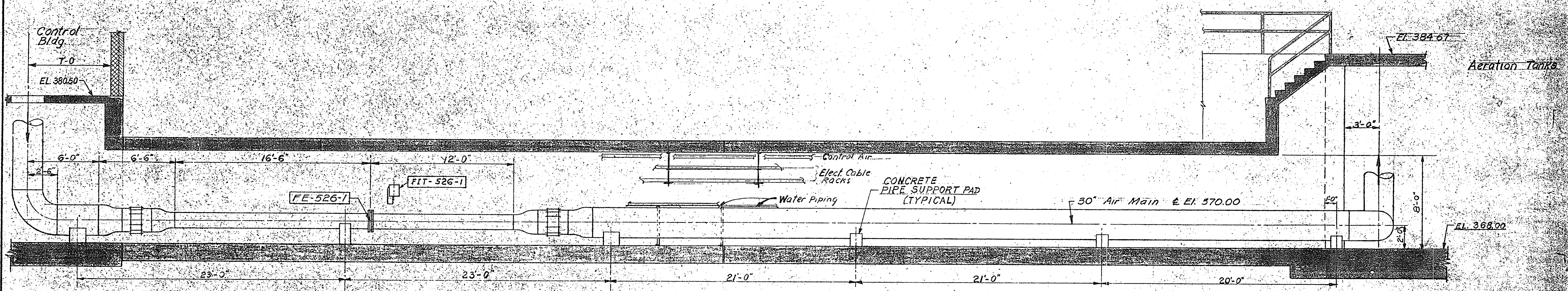
DIAGRAM 'A'
COOLING WATER TO AFTERCOOLERS
NO SCALE

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
CONTROL BUILDING EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO: 55-32-51F

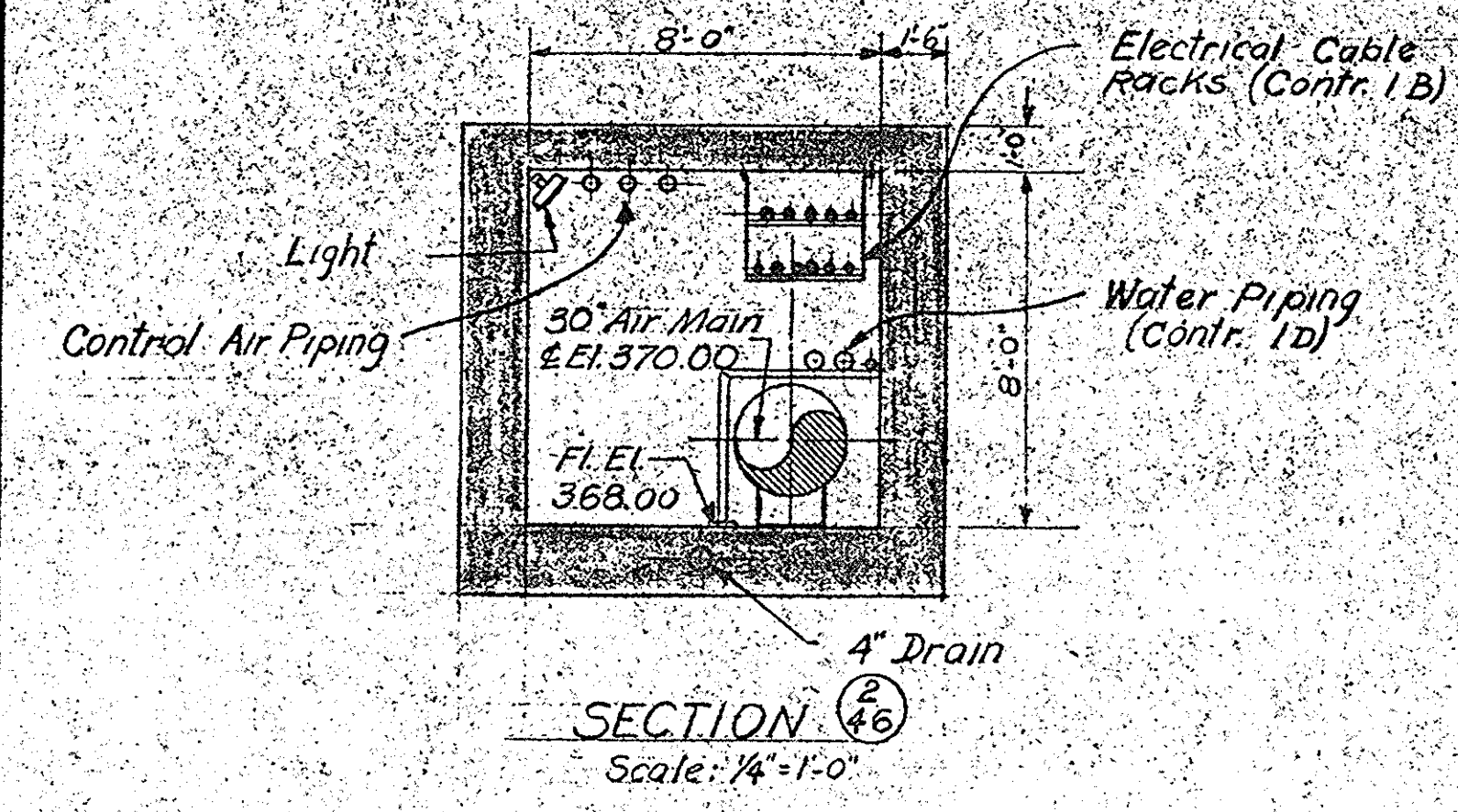
IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: V.F.-R.I.
CHECKED BY: D.M.



WEST GALLERY
 PLAN @ FL. 373.00
 Scale: 1/4" = 1'-0"



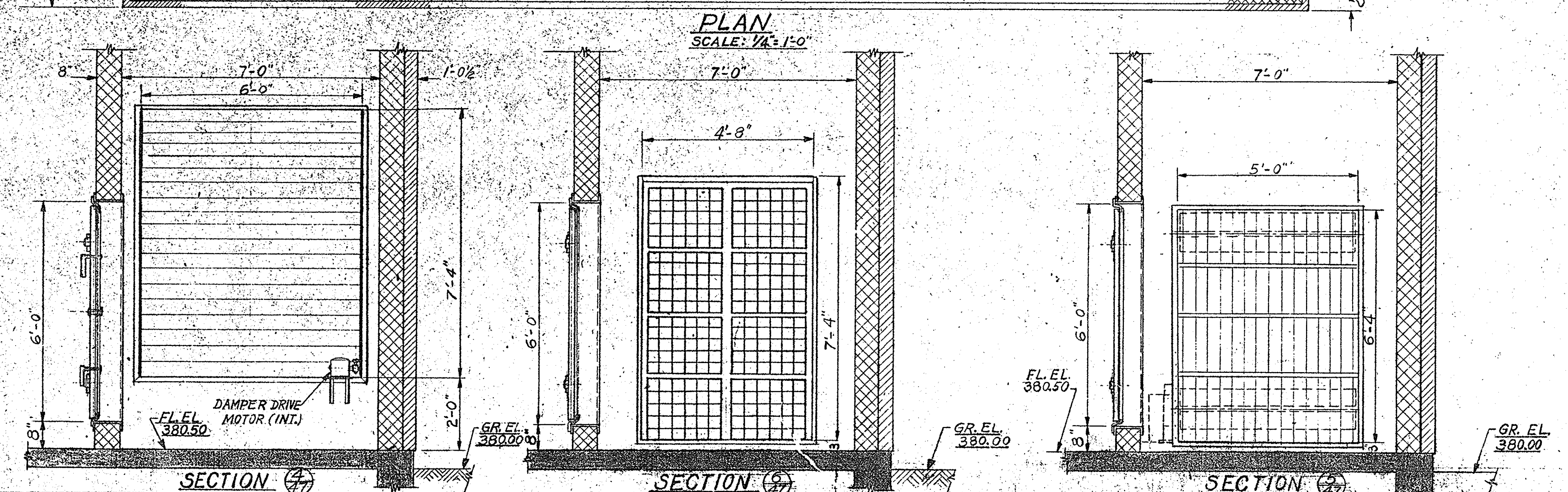
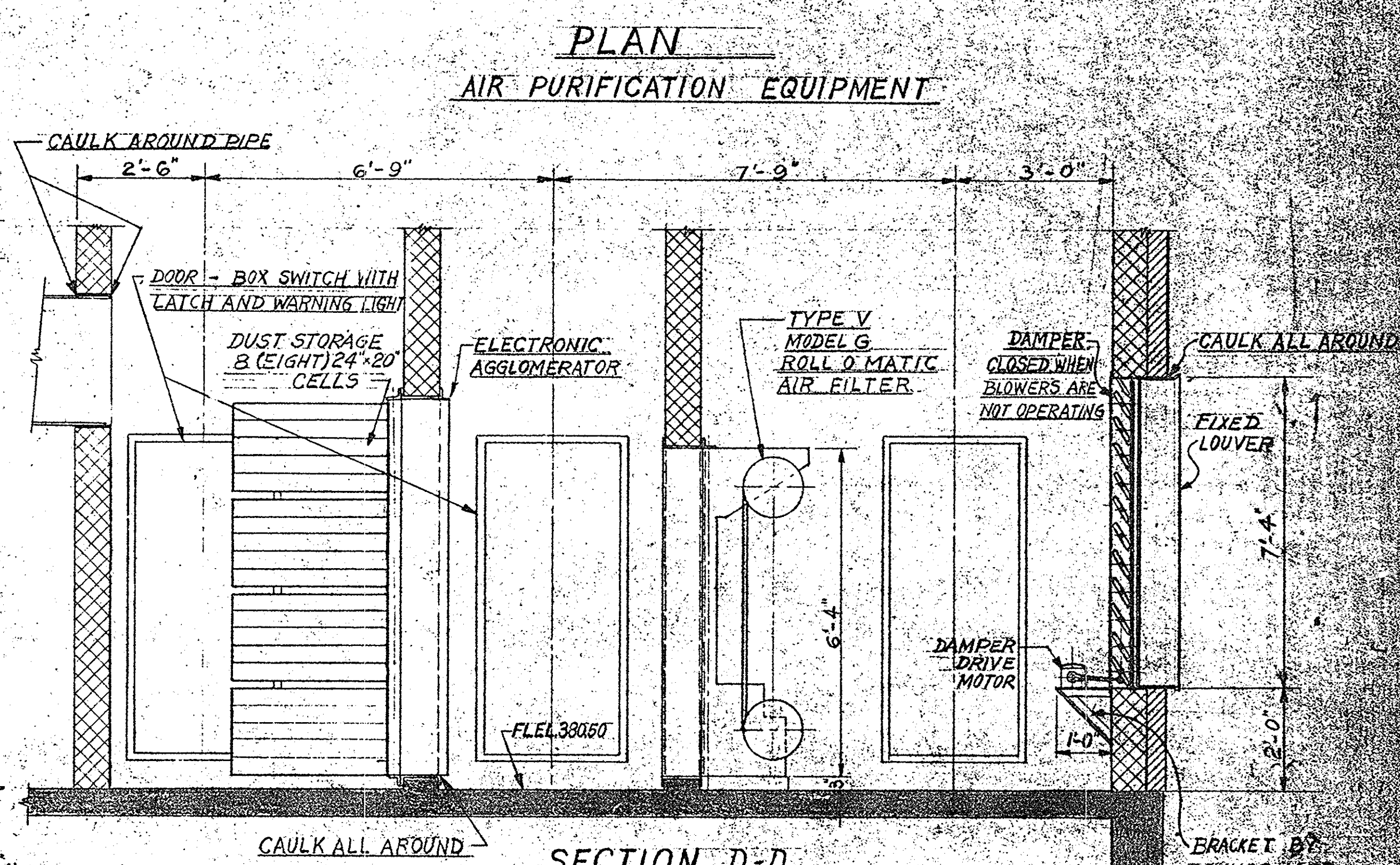
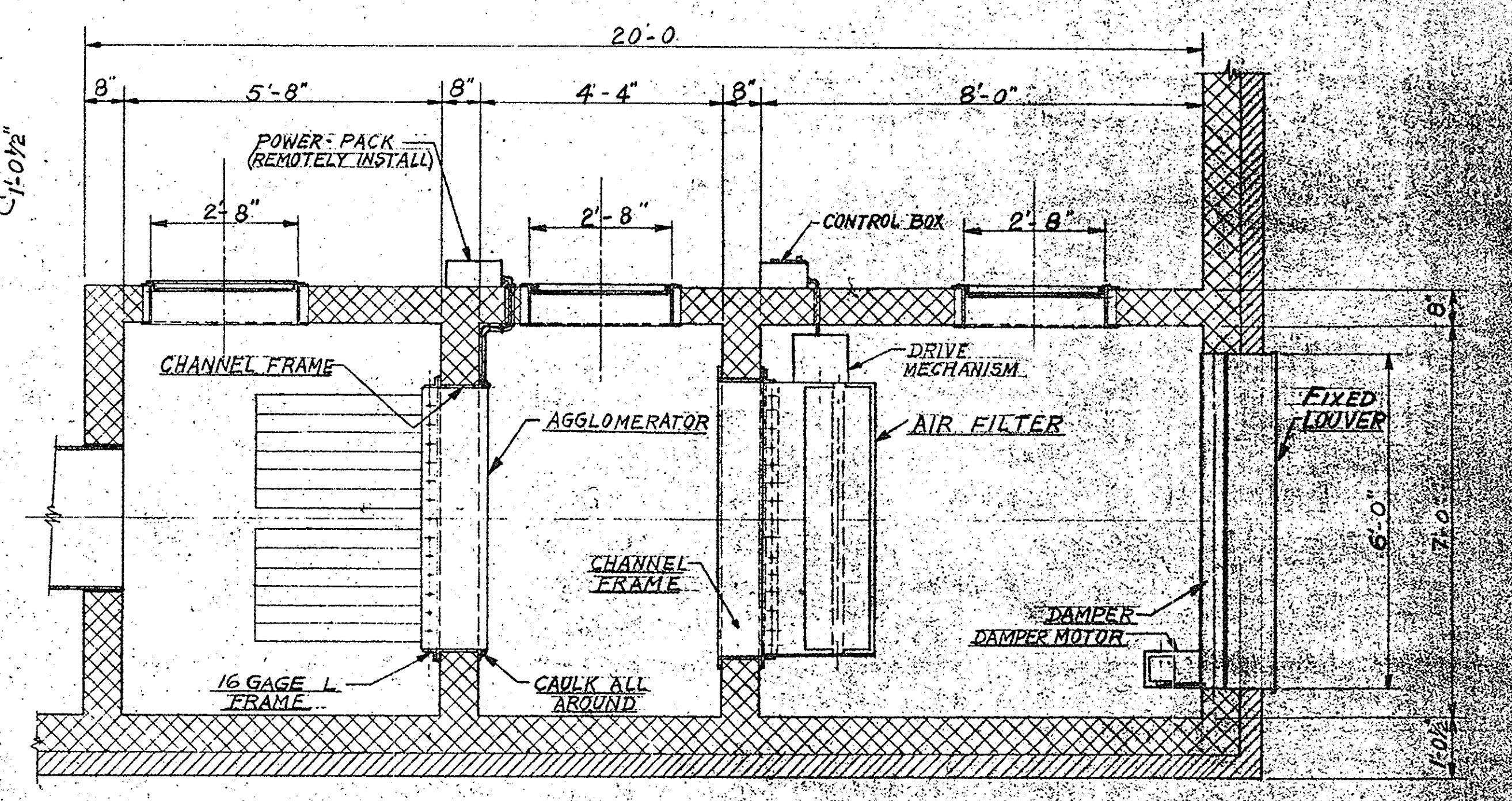
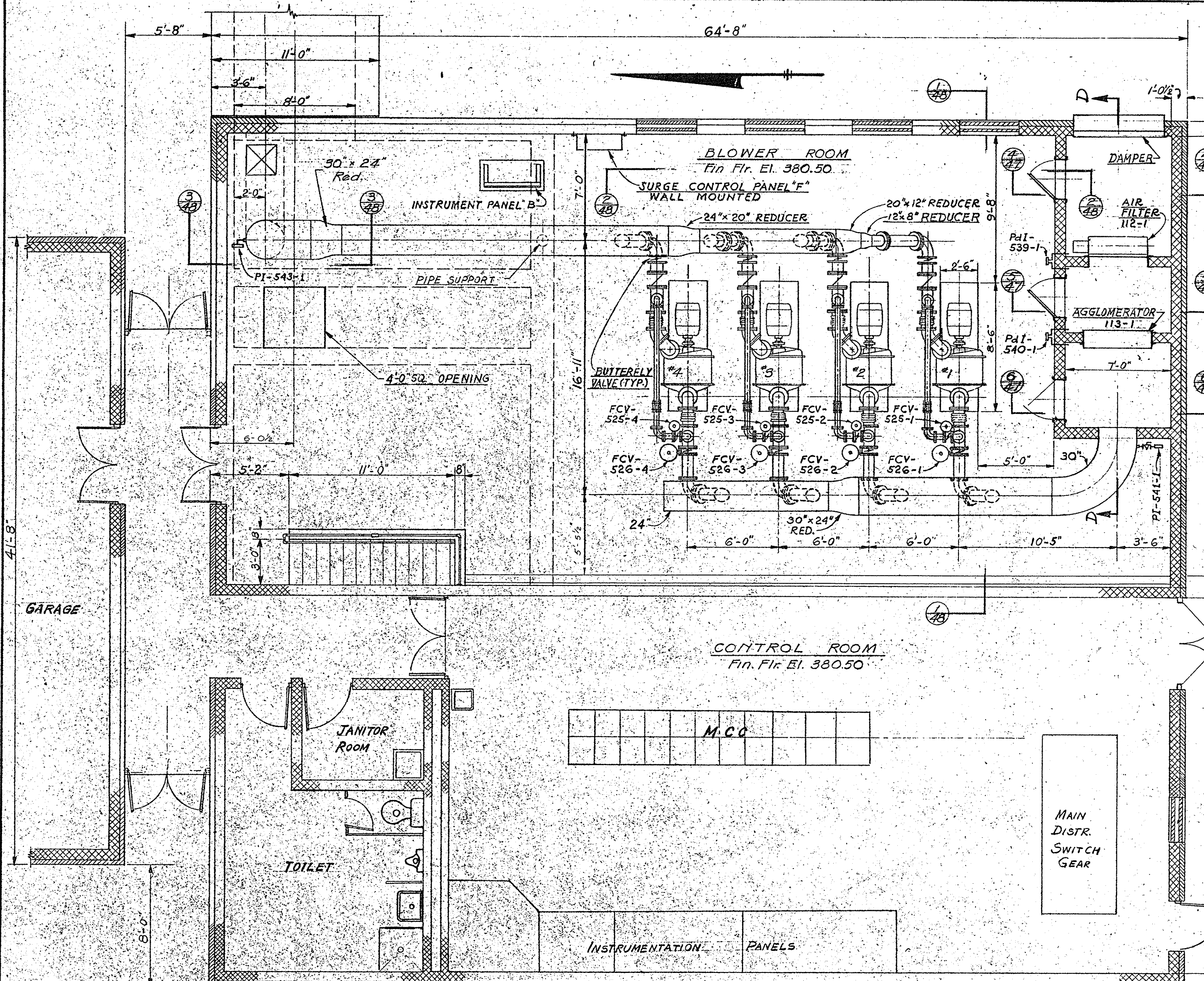
SECTION
 Scale: 1/4" = 1'-0"



SECTION (2)
 Scale: 1/4" = 1'-0"

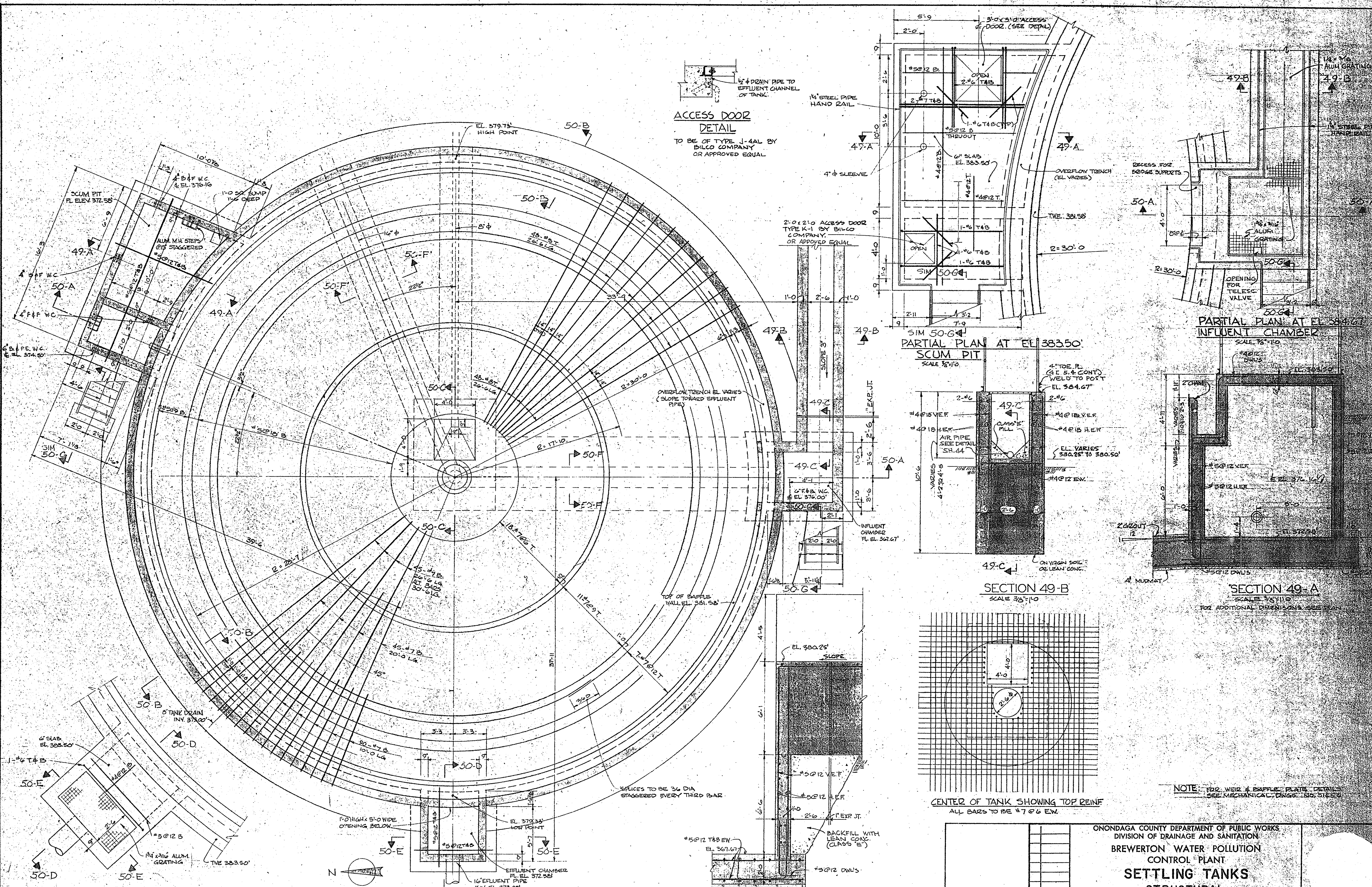
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
WEST GALLERY - PLAN & SECTIONS	
PIPING & EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO.: 5532-49F

IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: M.F.
 CHECKED BY: K.C.Y.



ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT CONTROL BUILDING EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: 1/2" = 1'-0" UNLESS NOTED FILE NO. 55-32-50F

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: V.F.
CHECKED BY: Dey



ACCESS DOOR DETAIL
 TO BE OF TYPE J-44L BY BILCO COMPANY OR APPROVED EQUAL

PARTIAL PLAN AT EL. 383.50
SCUM PIT
 SCALE 3/8"=1'-0"

PARTIAL PLAN AT EL. 384.67
INFLUENT CHAMBER
 SCALE 3/8"=1'-0"

SECTION 49-B
 SCALE 3/8"=1'-0"

SECTION 49-A
 SCALE 3/8"=1'-0"
 FOR ADDITIONAL DIMENSIONS SEE PLAN

CENTER OF TANK SHOWING TOP REINF.
 ALL BARS TO BE #7 @ 6" EW.

NOTE: FOR WEIR & BAFFLE PLATE DETAILS SEE MECHANICAL DRAWING 51-52

IN CHARGE OF: F.A.L.
 DESIGNED BY: D.M.
 DRAWN BY: R.M.D.
 CHECKED BY: H.M.W.

PARTIAL PLAN AT EL. 383.50
EFFLUENT CHAMBER
 SCALE 3/8"=1'-0"

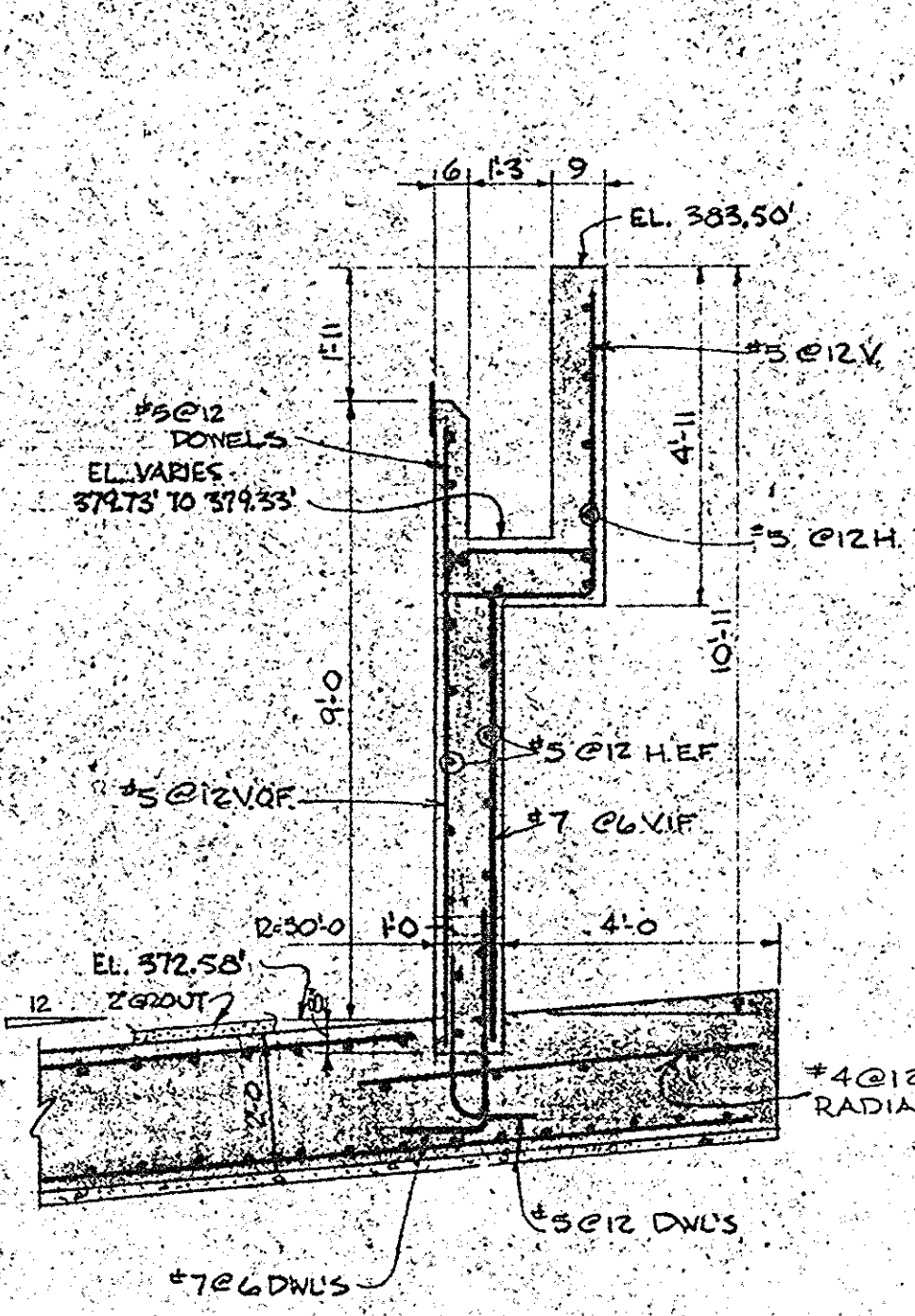
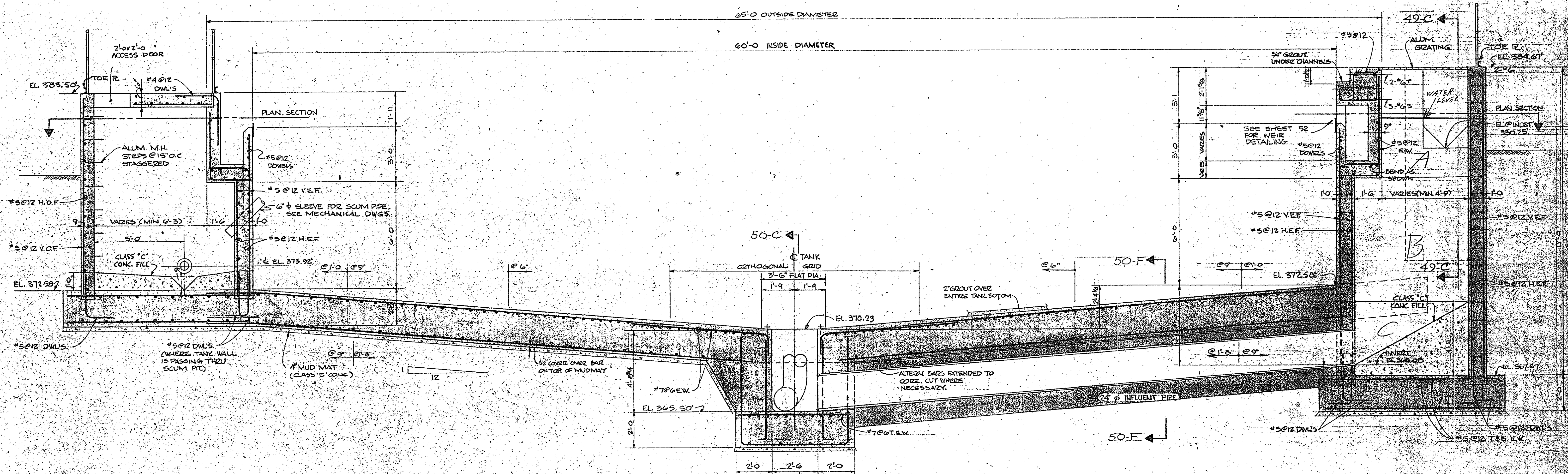
PLAN OF SETTLING TANK No. 1
SETTLING TANK No. 2 - OPP. HAND
 AIR ENTRAINED CONCRETE TO BE USED IN TANKS
 SCALE 1/4"=1'-0"

SECTION 49-C
 SCALE 3/8"=1'-0"

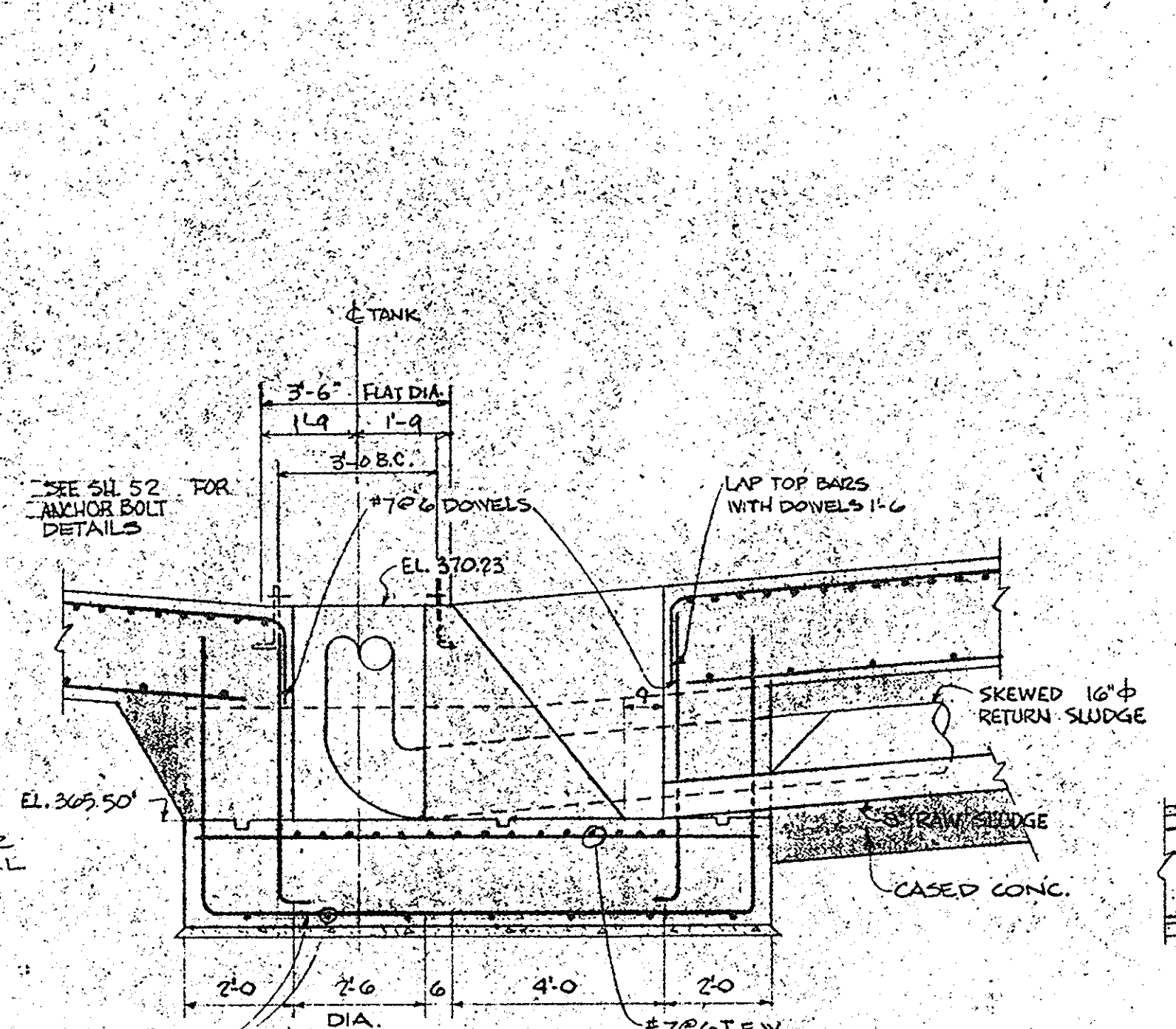
ECKERLIN & KLEPPER
HAHN
 CONSULTING ENGINEERS
 SYRACUSE, N.Y.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
SETTLING TANKS
STRUCTURAL
 TOWN OF CICERO, ONONDAGA CO., N.Y.
 BARTON, BROWN, CLYDE & LOGUIDICE
 CONSULTING ENGINEERS & LAND SURVEYORS
 NORTH SYRACUSE, NEW YORK
 DATE: FEBRUARY 1975
 SCALE: AS SHOWN
 FILE NO.: 55-32-52F

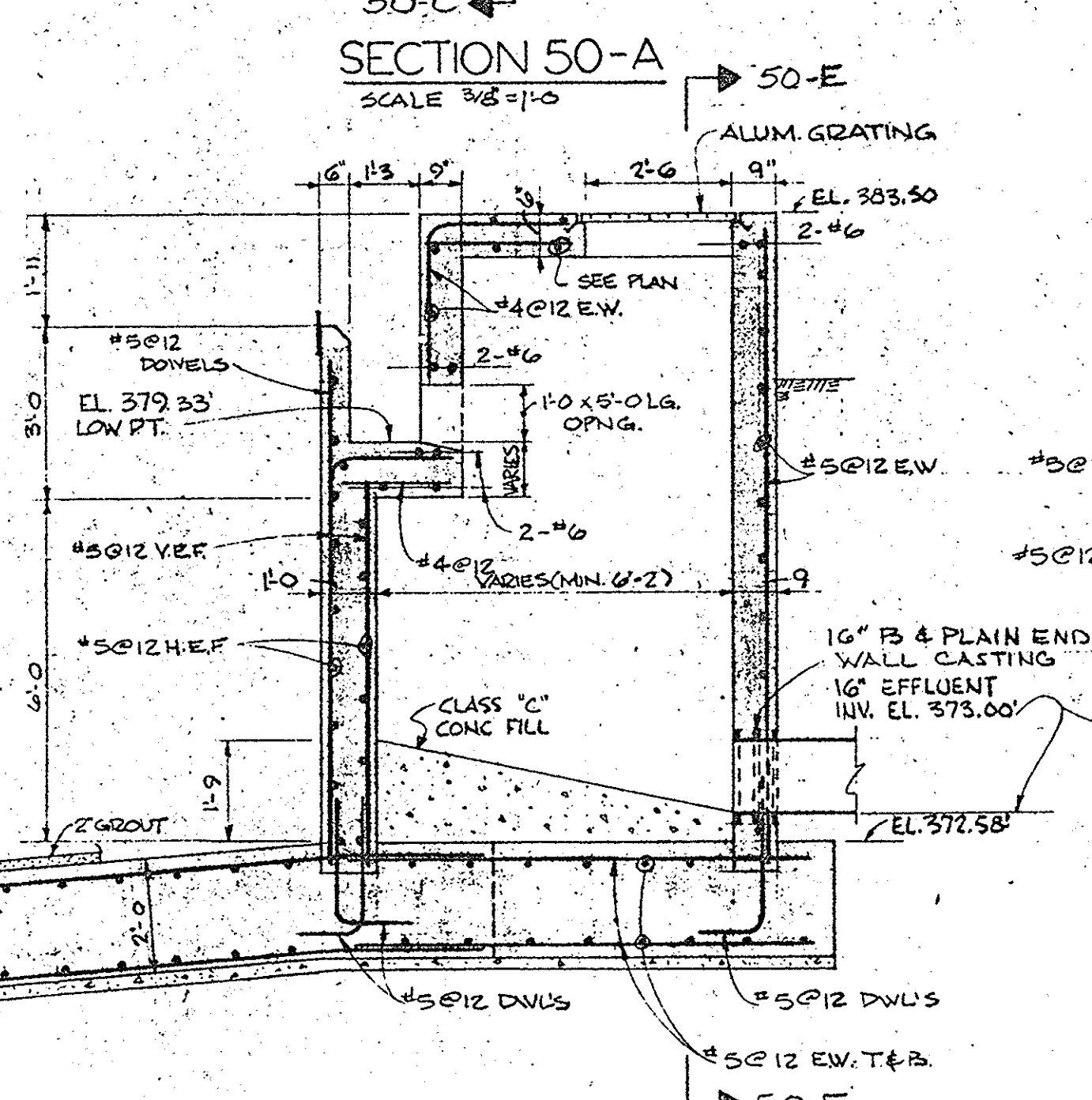
REVISIONS



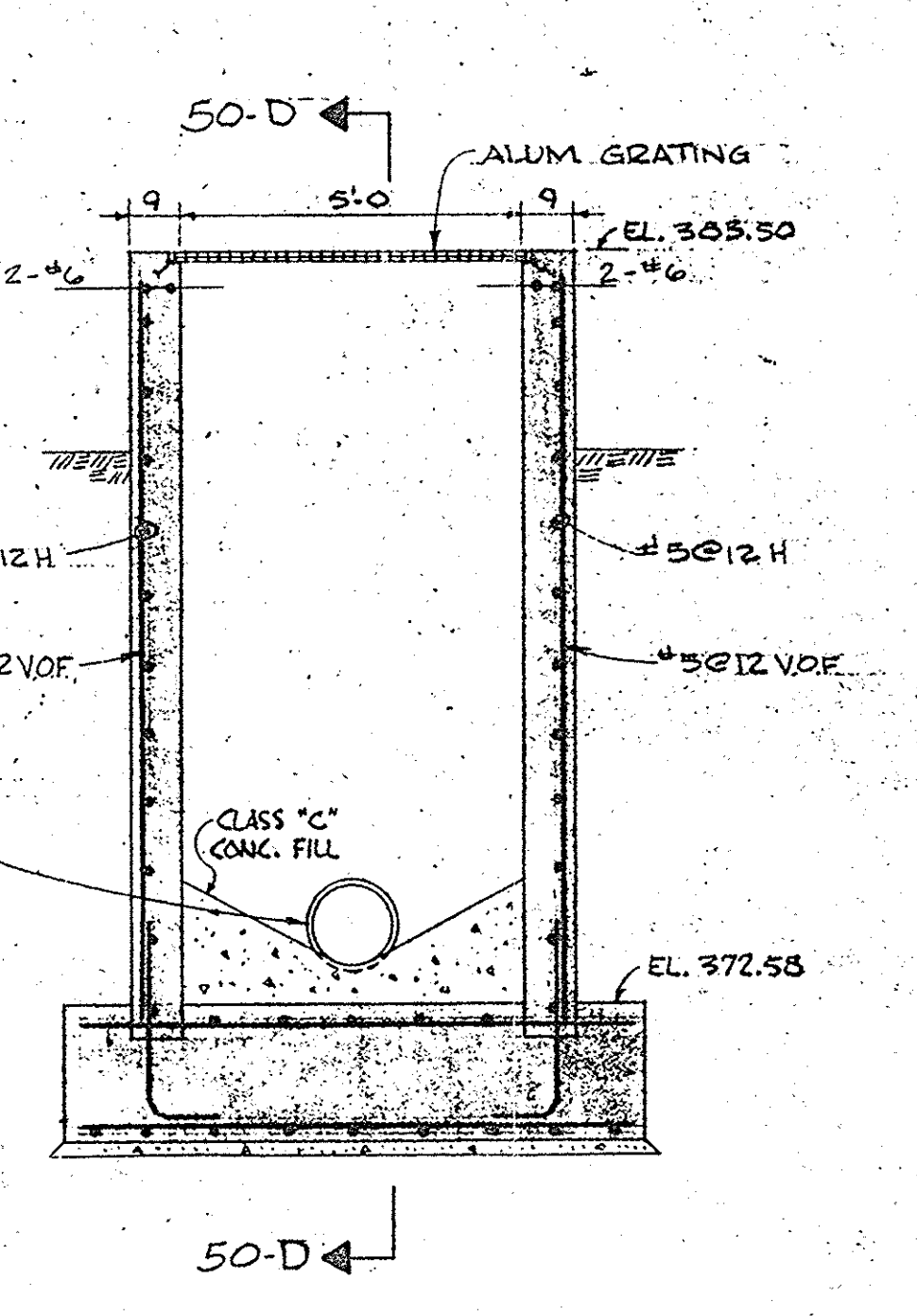
SECTION 50-B
TYPICAL



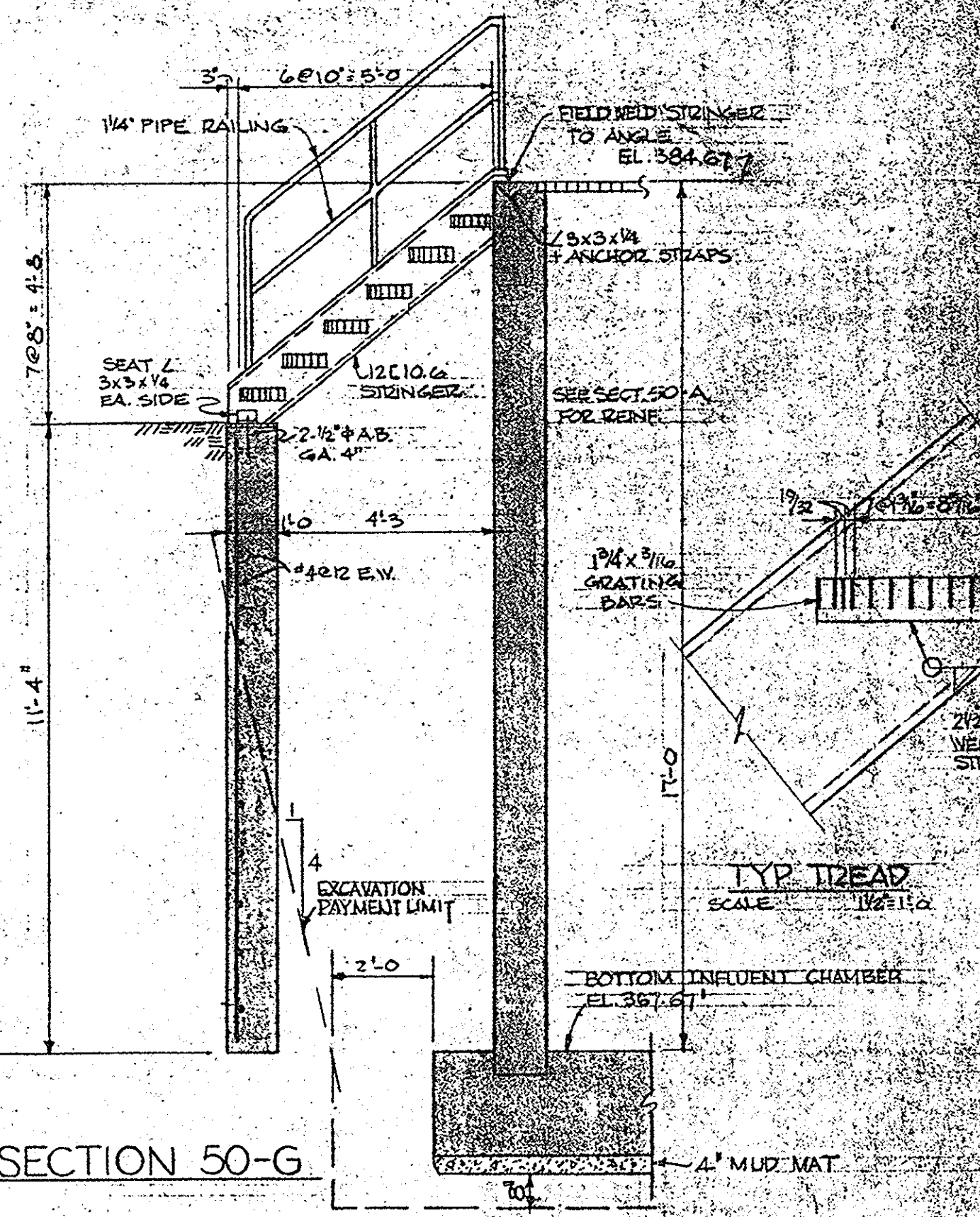
SECTION 50-C



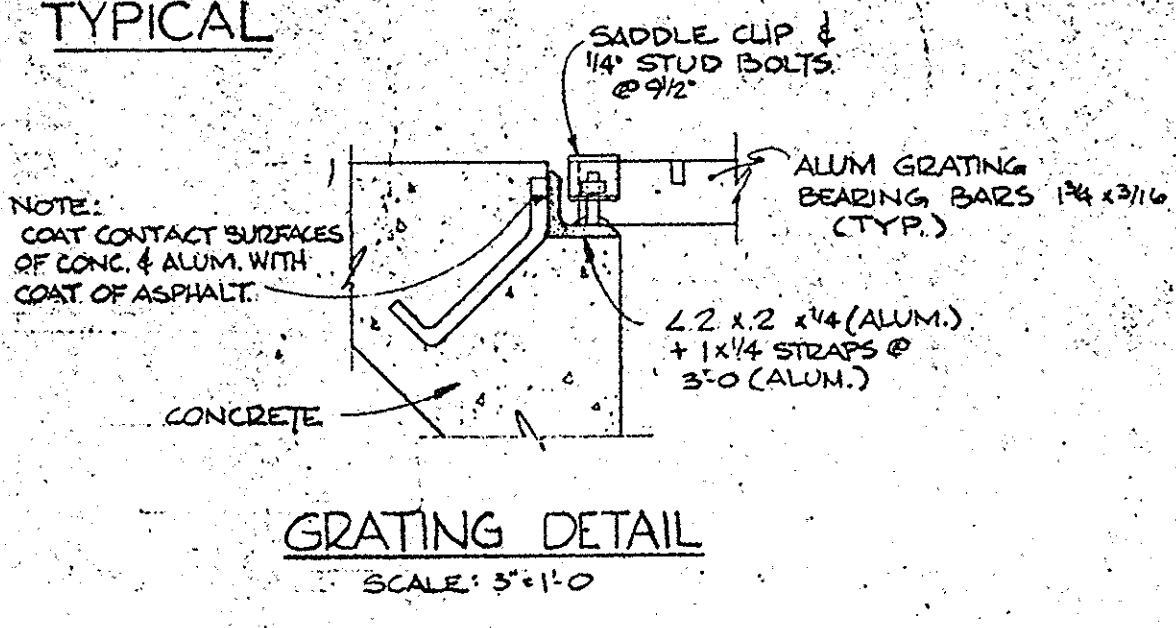
SECTION 50-D



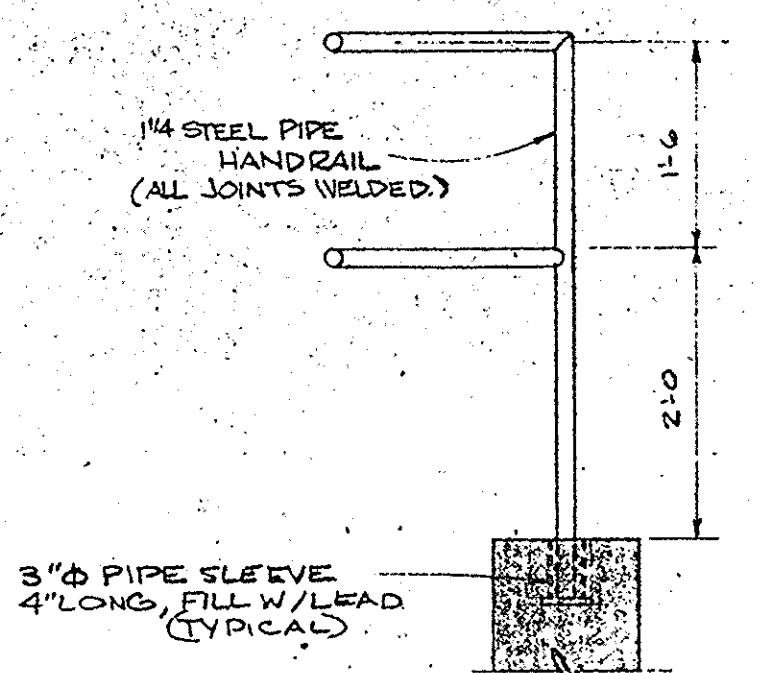
SECTION 50-E



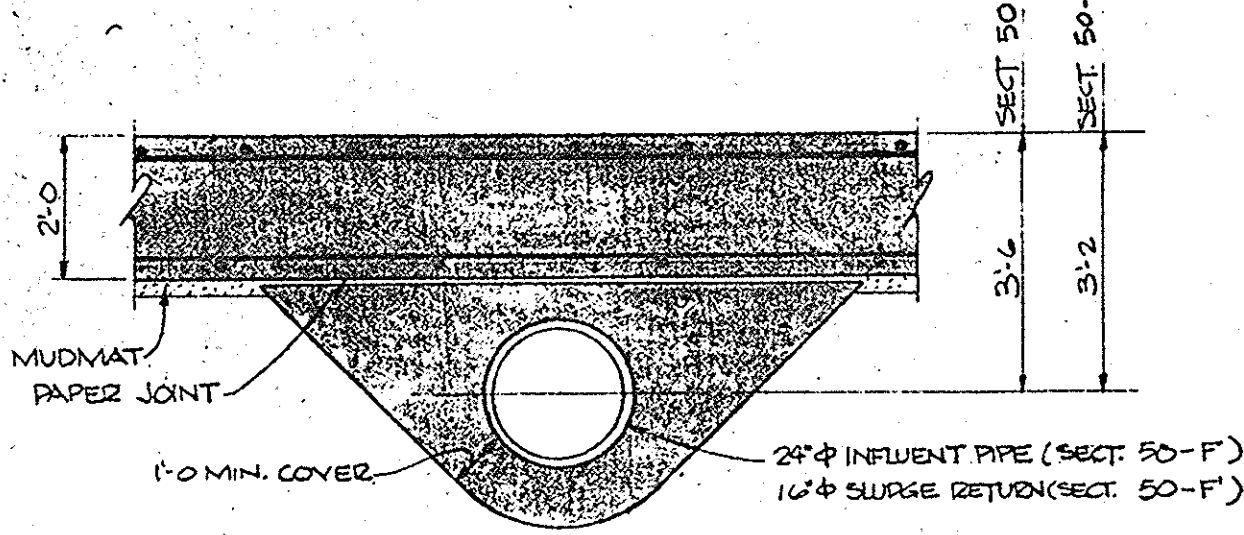
SECTION 50-G



GRATING DETAIL
SCALE: 3/4\"/>



HANDRAIL DETAIL
SCALE: 3/4\"/>



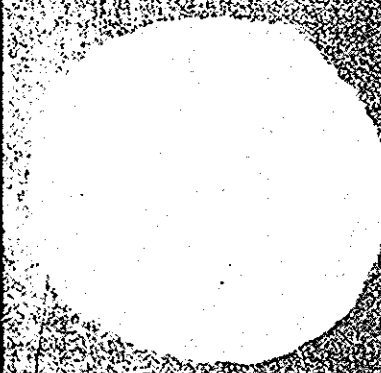
SECTION 50-F
SECTION 50-F

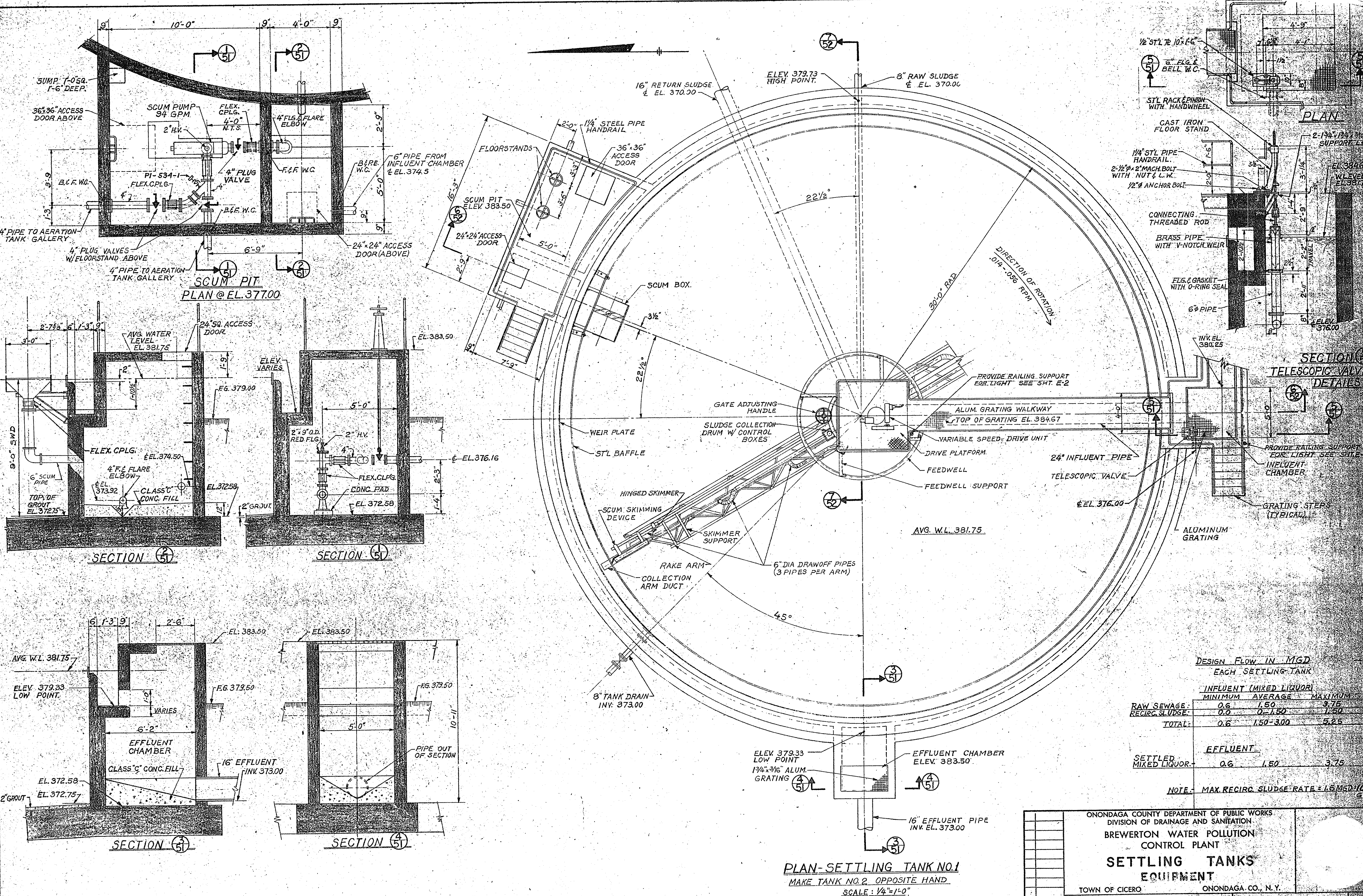
IN CHARGE OF: F.A.L.
DESIGNED BY: D.H.
DRAWN BY: R.M.D.
CHECKED BY: H.H.W.

ECKERLIN CONSULTING
KLEPPER ENGINEERS
HAHN SYRACUSE, NY

NO.	REVISIONS

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
SETTLING TANKS STRUCTURAL
TOWN OF CICERO ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGIUDICE CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK
DATE: FEBRUARY, 1975
SCALE: 3/8\"/>





DESIGN FLOW IN MGD EACH SETTLING TANK

	MINIMUM	AVERAGE	MAXIMUM
RAW SEWAGE:	0.6	1.50	3.75
RECIRC. SLUDGE:	0.0	0.150	1.50
TOTAL:	0.6	1.50-3.00	5.25

EFFLUENT

	MINIMUM	AVERAGE	MAXIMUM
SETTLED MIXED LIQUOR:	0.6	1.50	3.75

NOTE: MAX. RECIRC. SLUDGE RATE = 1.5 MGD/10.0 GPD

PLAN-SETTLING TANK NO. 1
 MAKE TANK NO. 2 OPPOSITE HAND
 SCALE: 1/4" = 1'-0"

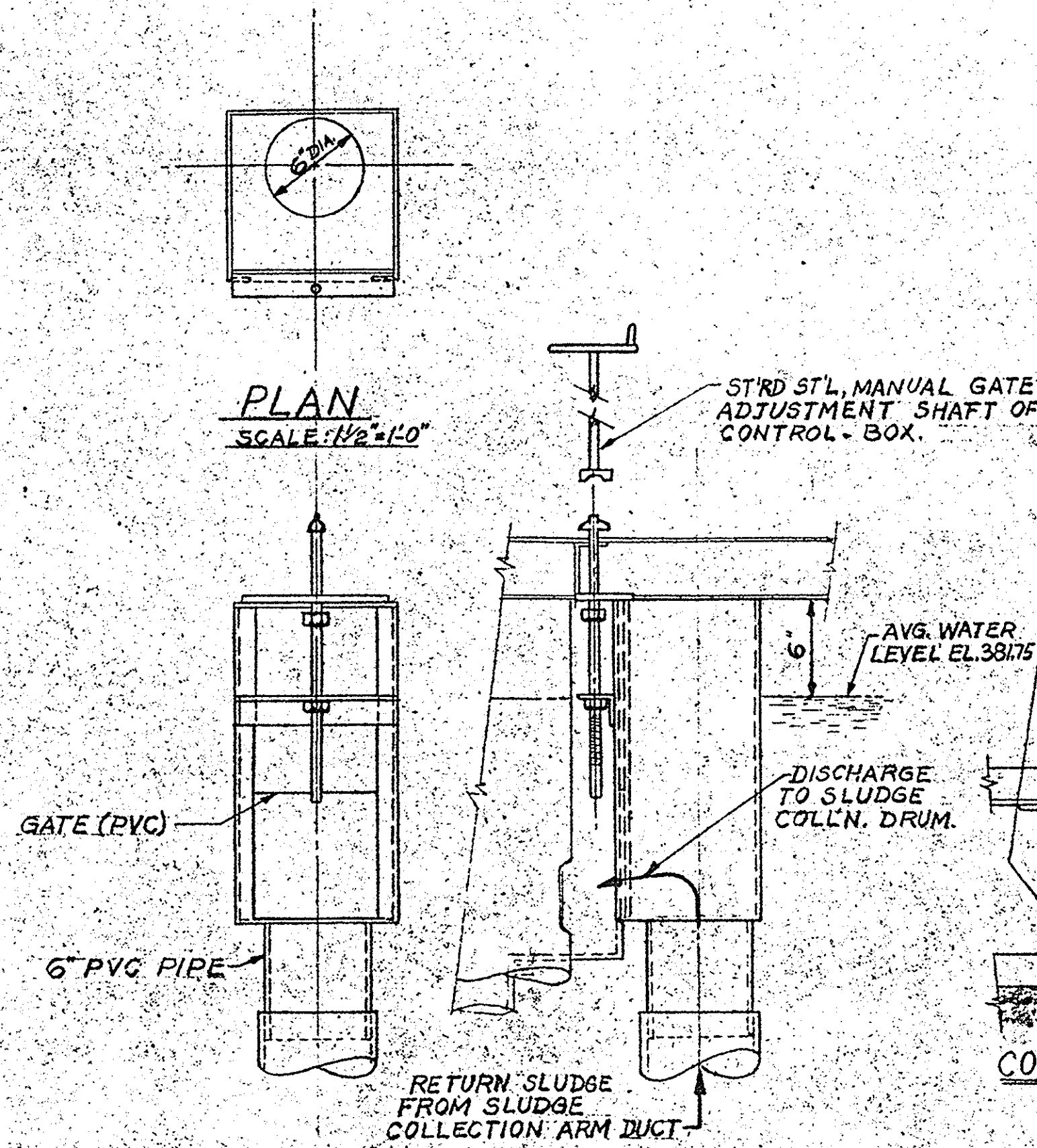
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
SETTLING TANKS EQUIPMENT
 TOWN OF CICERO ONONDAGA CO., N.Y.

BARTON, BROWN, CLYDE & LOGUICICE
 CONSULTING ENGINEERS & LAND SURVEYORS
 NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
 SCALE: 3/8" = 1'-0", UNLESS NOTED
 FILE NO.: 5532-54F

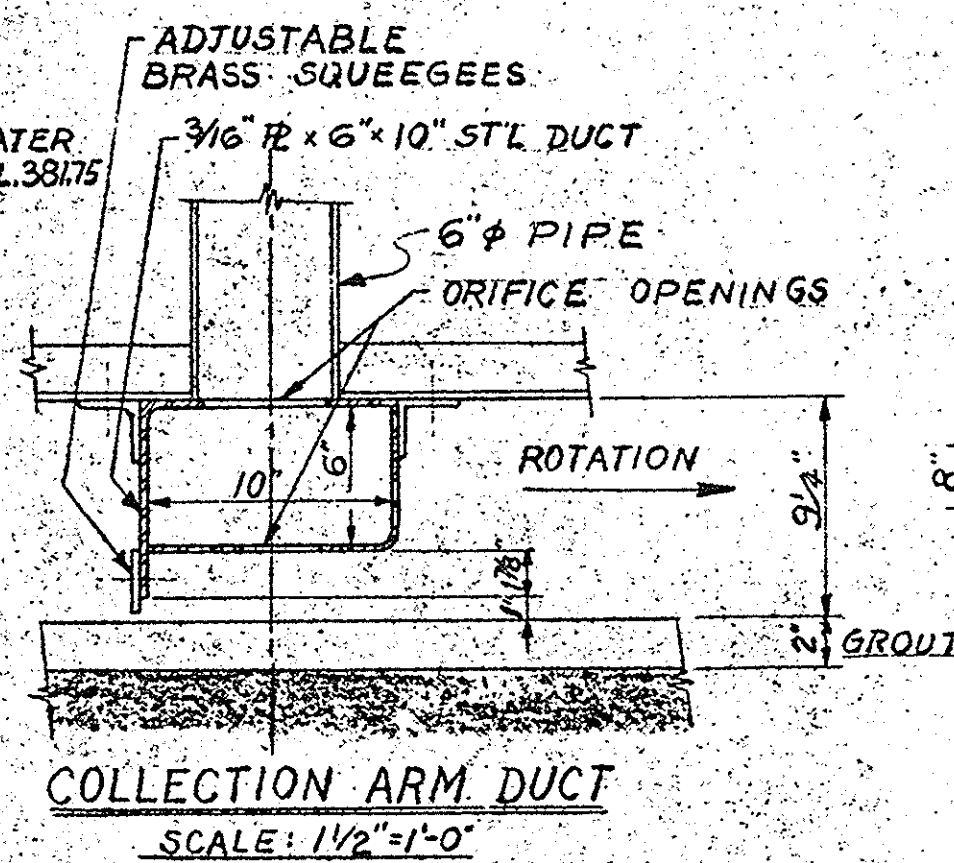
REVISIONS

IN CHARGE OF: F.A.L.
 DESIGNED BY: D.C.M.
 DRAWN BY: W.F.
 CHECKED BY: J.C.W.



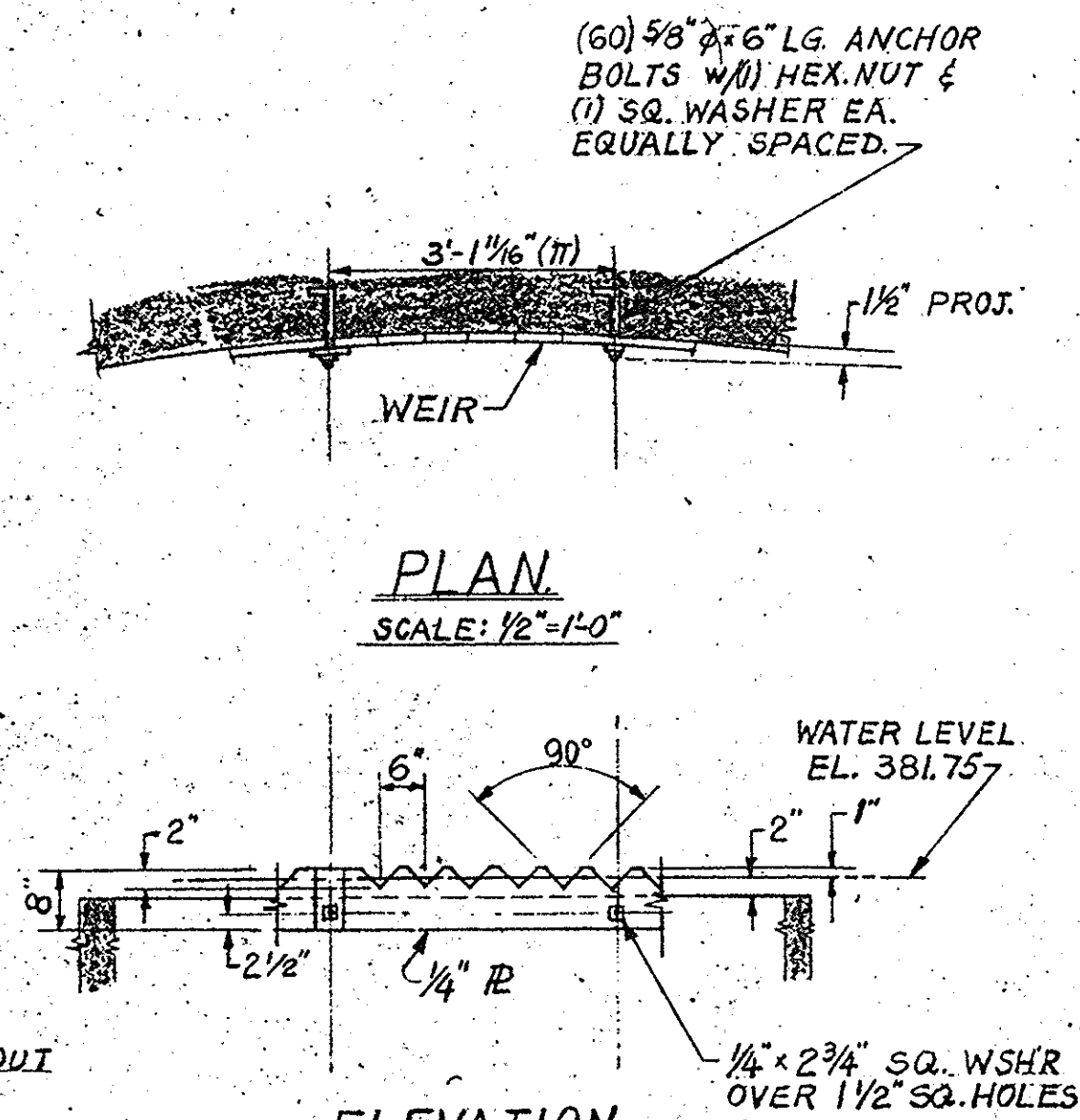
SLUDGE COLLECTION DRUM CONTROL GATE BOX

SCALE: NONE



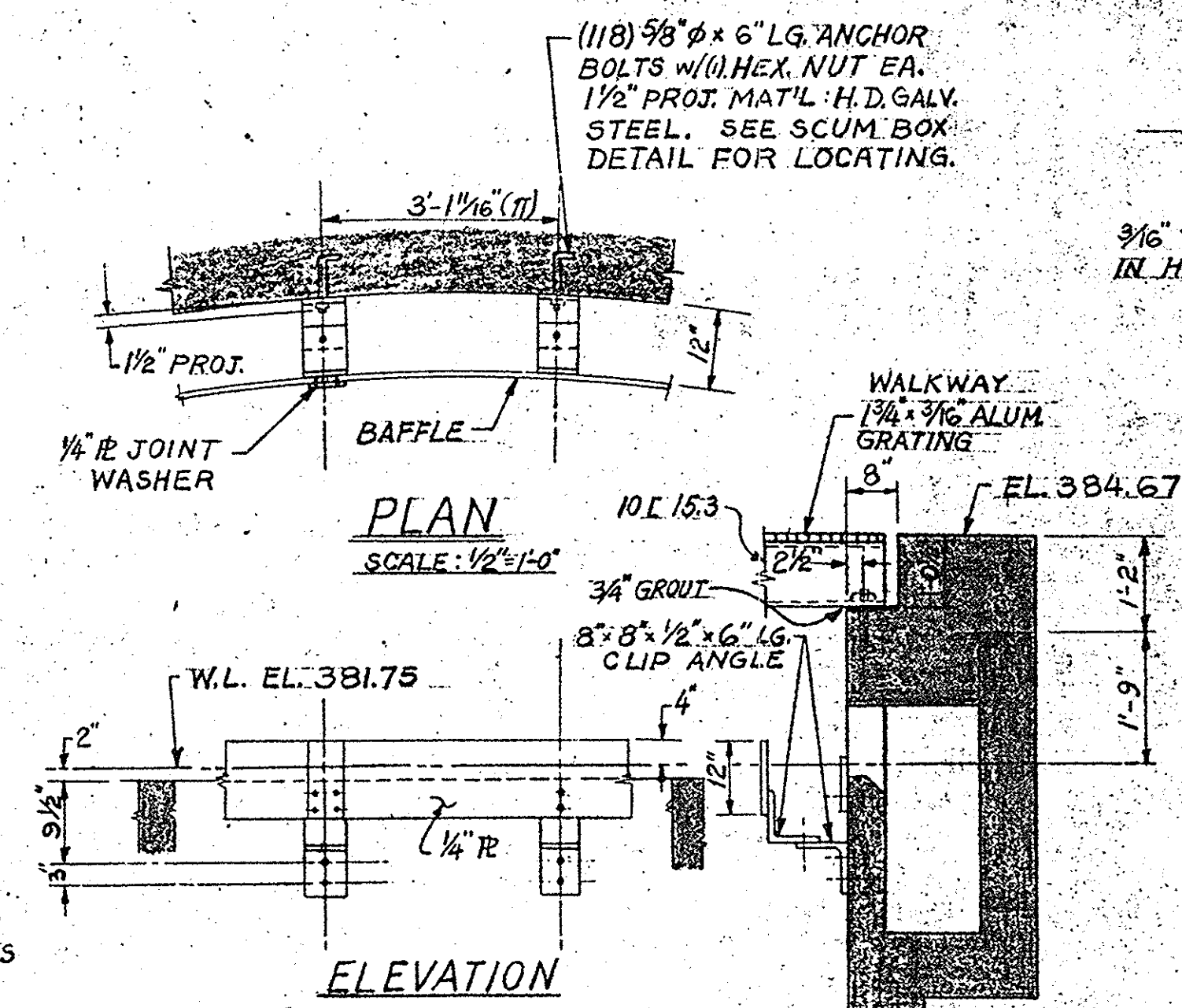
COLLECTION ARM DUCT

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



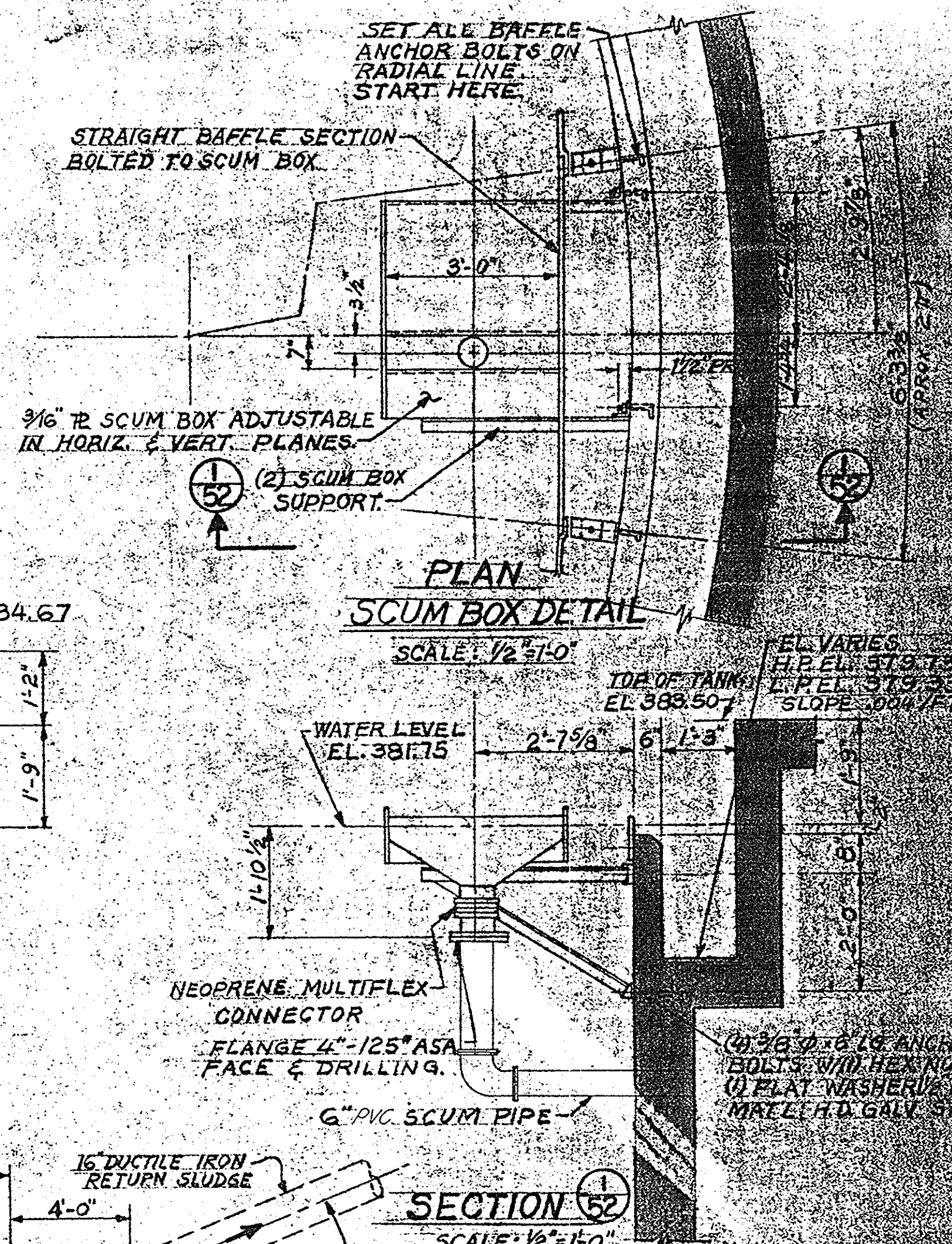
WEIR DETAILS

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



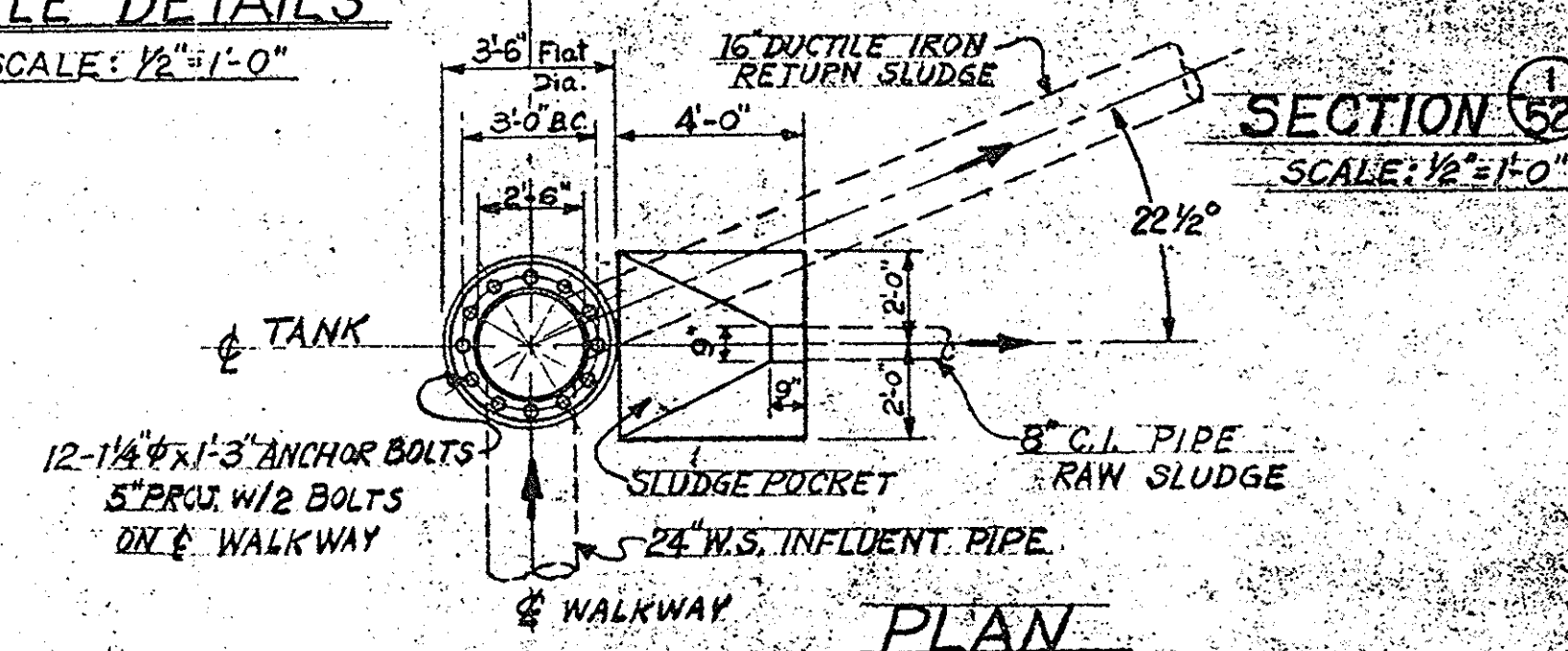
BAFFLE DETAILS

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

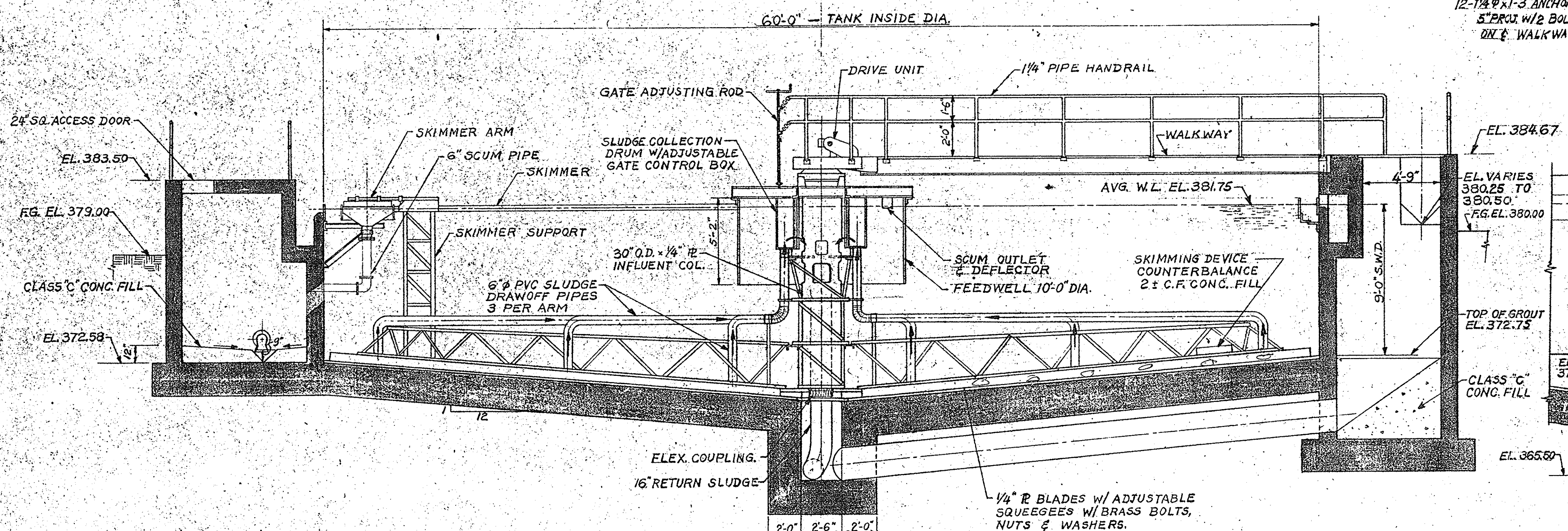


SCUM BOX DETAIL

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

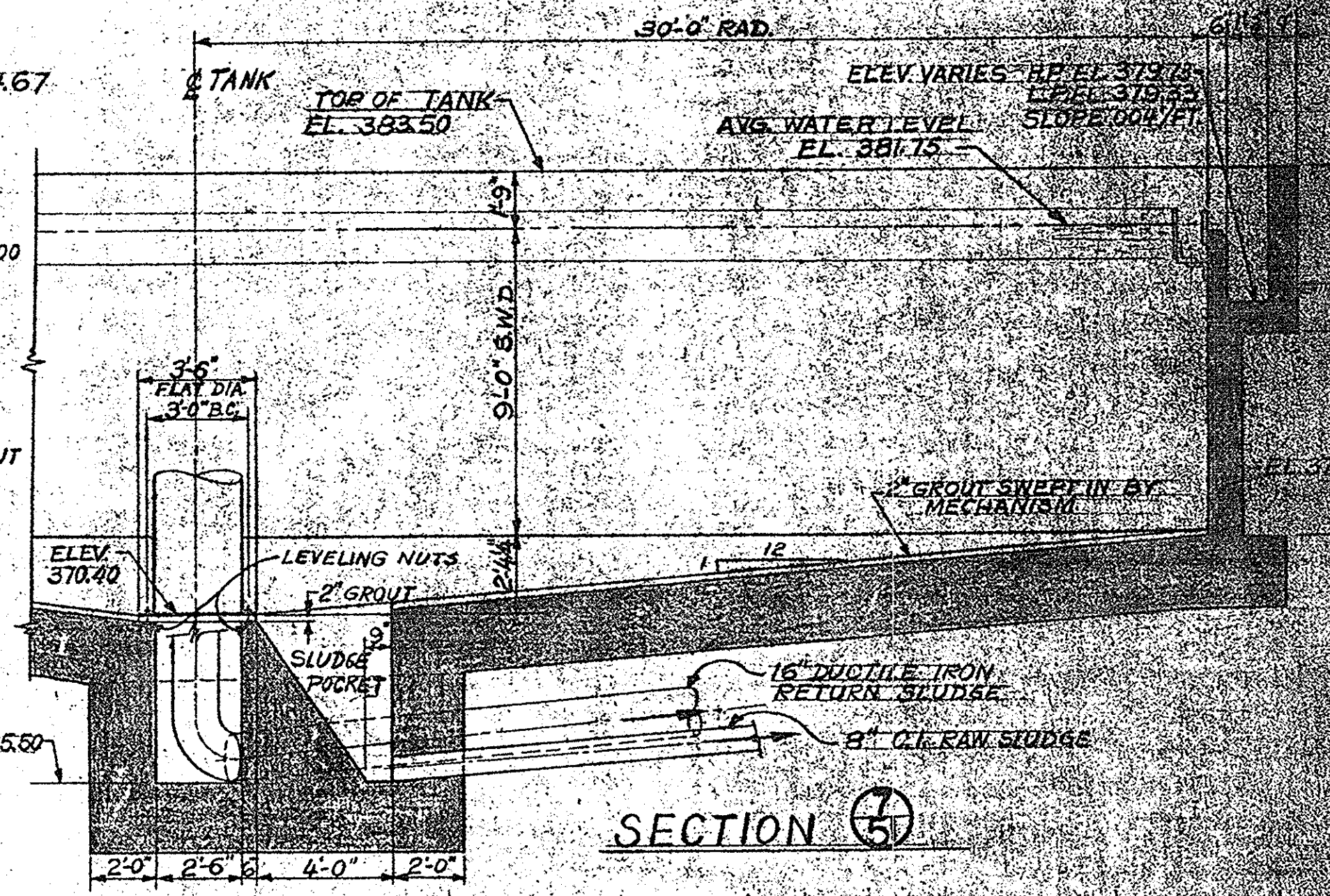


PLAN



SECTION 6

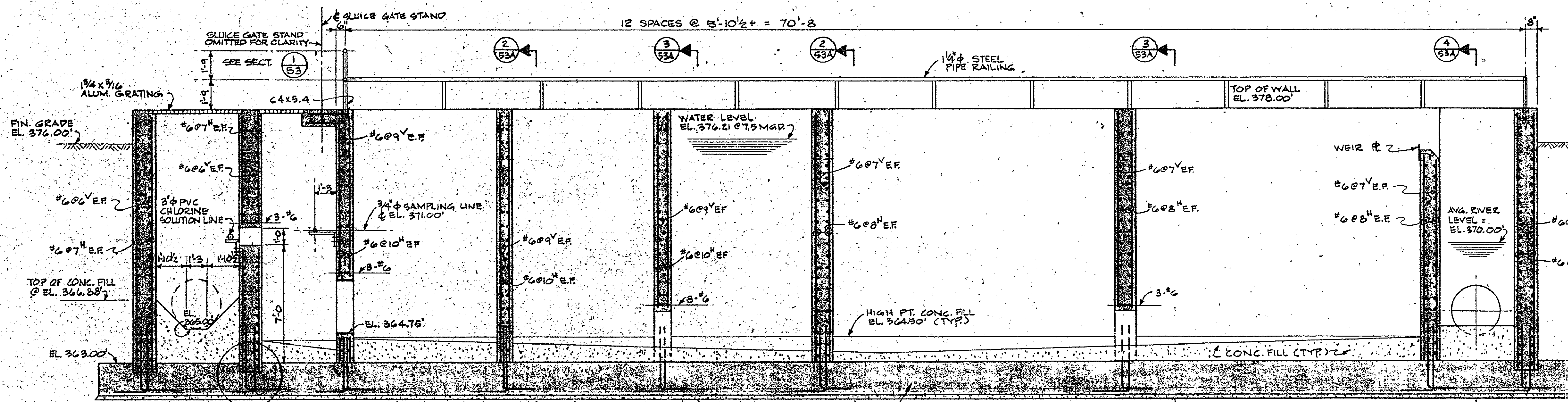
NOTE:
SEE SH. # 50 FOR CONCRETE
PIPE ENCASEMENT BELOW SLAB.



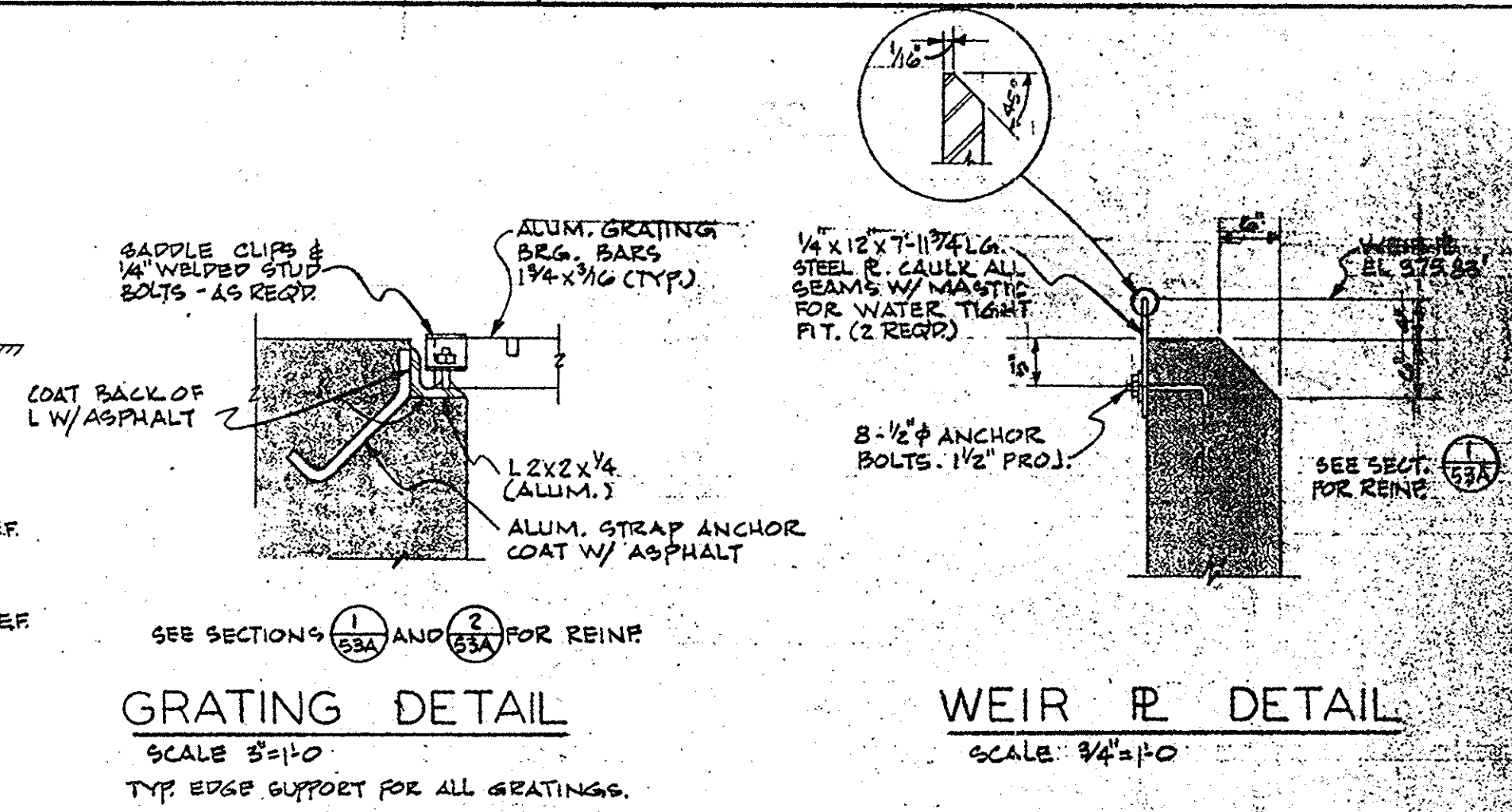
SECTION 5

IN CHARGE OF: F.A.L.
DESIGNED BY: D.C.M.
DRAWN BY: J.C.F.
CHECKED BY: J.C.M.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT SETTLING TANKS EQUIPMENT	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE, CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY, 1975 SCALE: 1/4"=1'-0" UNLESS NOTED P.L. NO.: 5532-55F

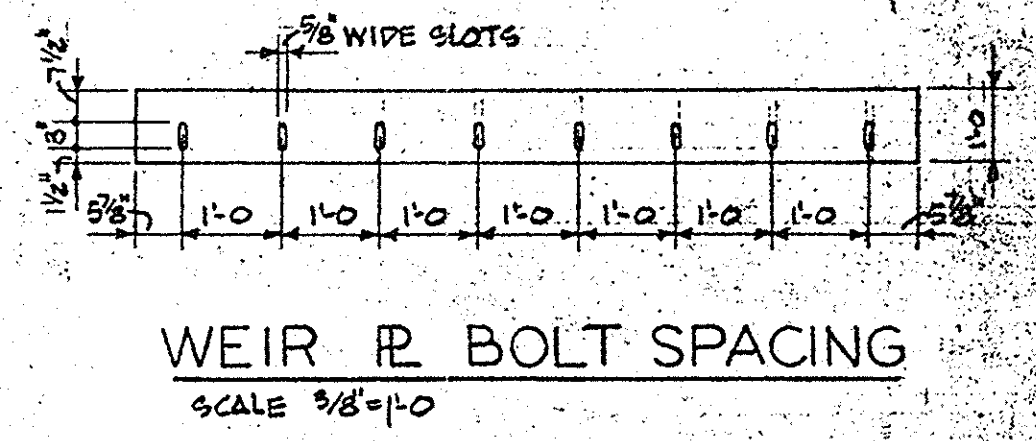


SECTION 1
SCALE 1/4"=1'-0"

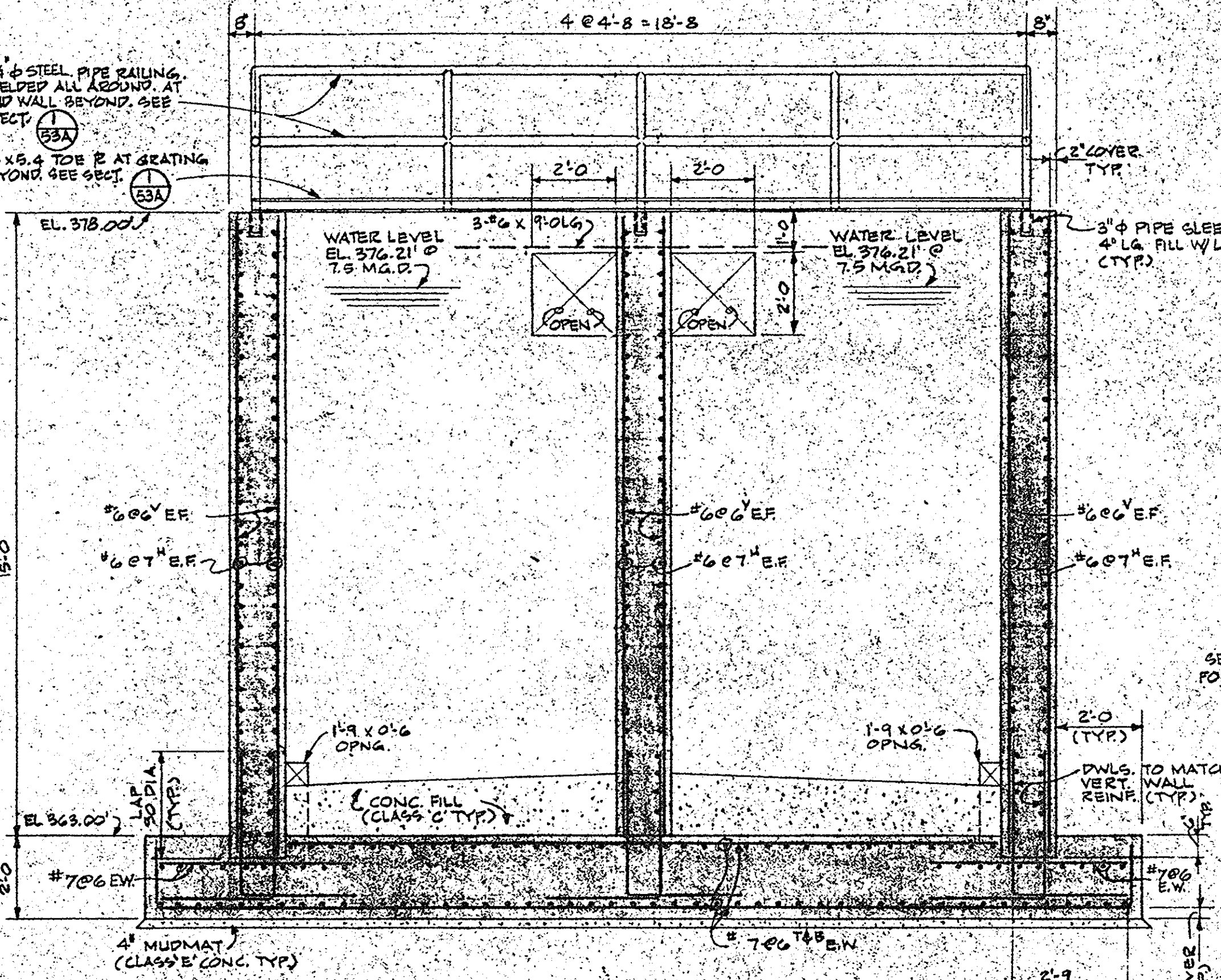


GRATING DETAIL
SCALE 3/8"=1'-0"

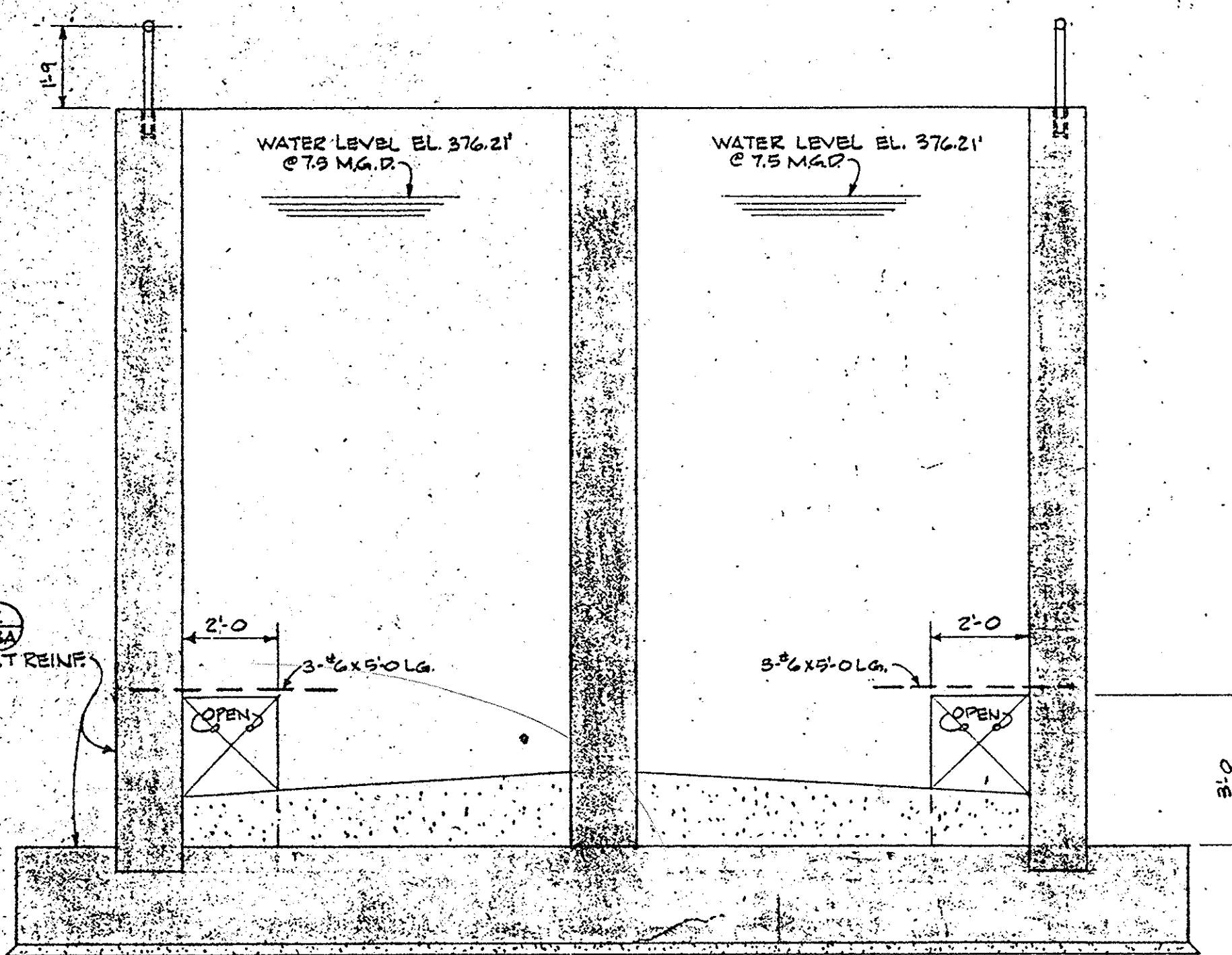
WEIR # DETAIL
SCALE 3/4"=1'-0"



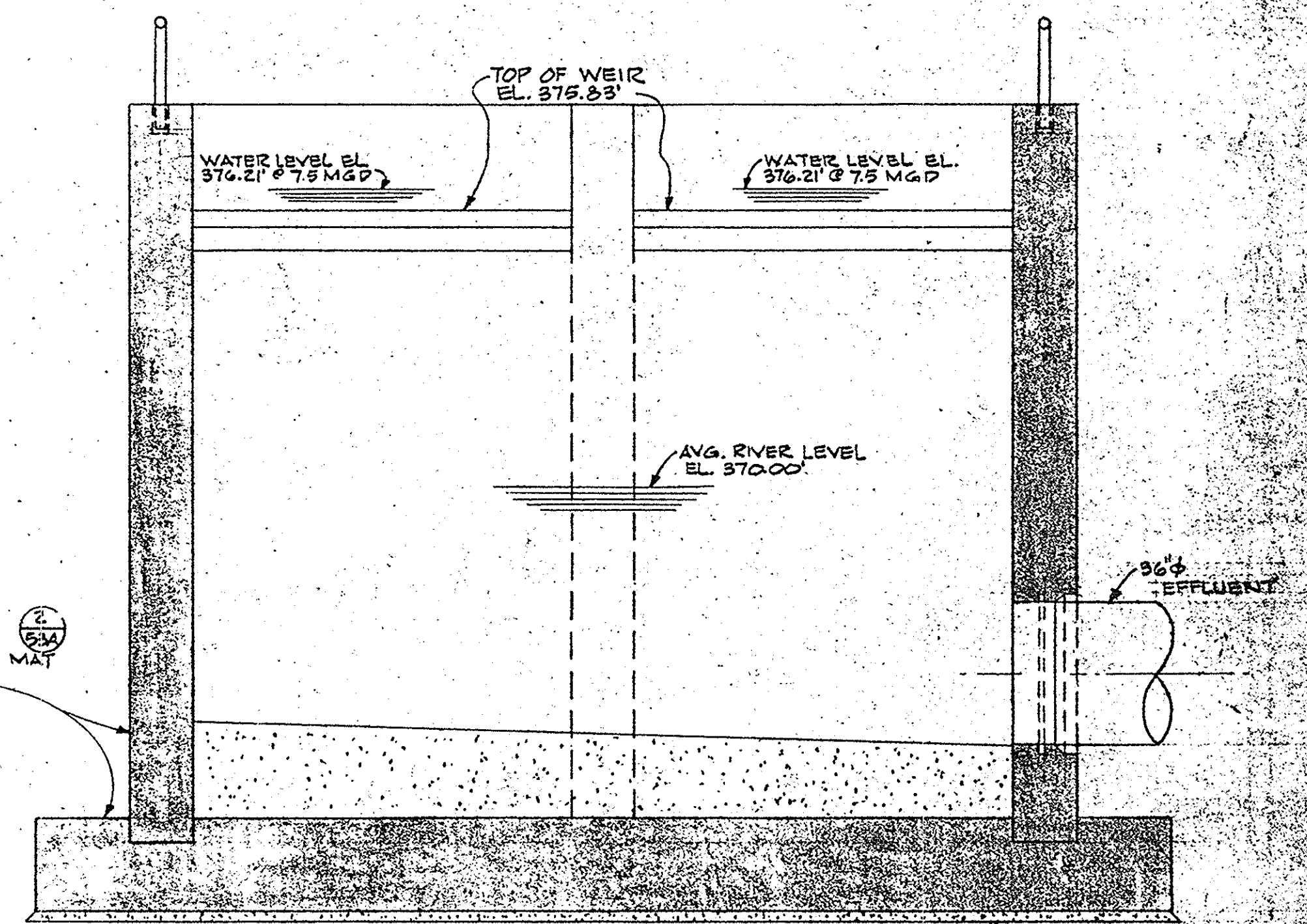
WEIR # BOLT SPACING
SCALE 3/8"=1'-0"



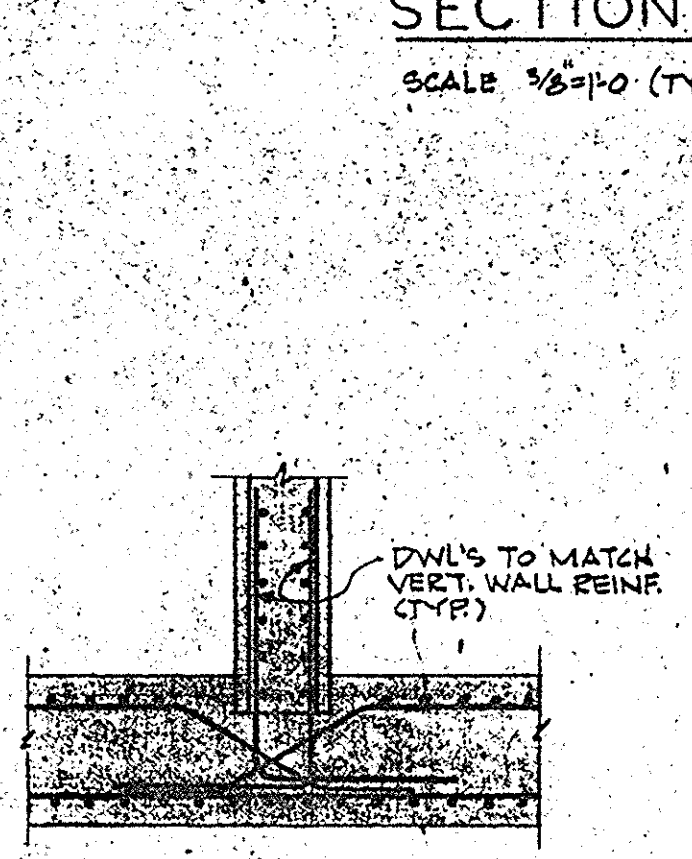
SECTION 2
SCALE 3/8"=1'-0" (TYP.)



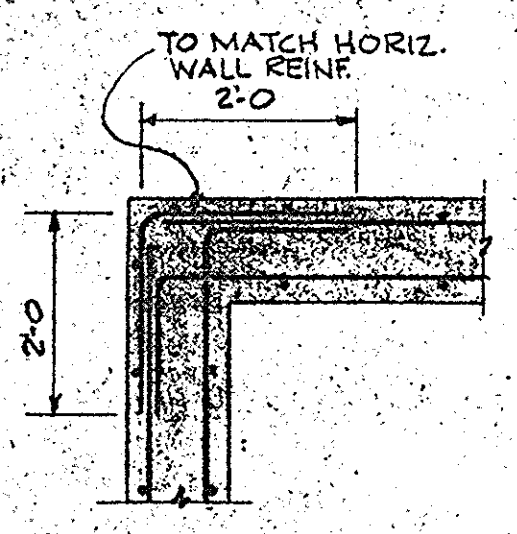
SECTION 3
SEE SECT. 2 FOR ADD'L INFORMATION.



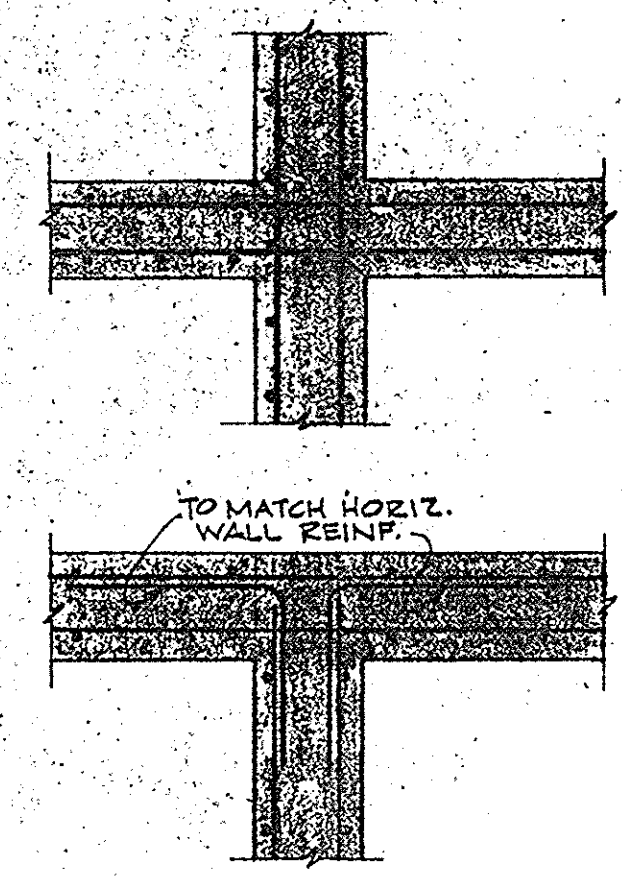
SECTION 4
SEE SECT. 2 FOR ADD'L INFORMATION



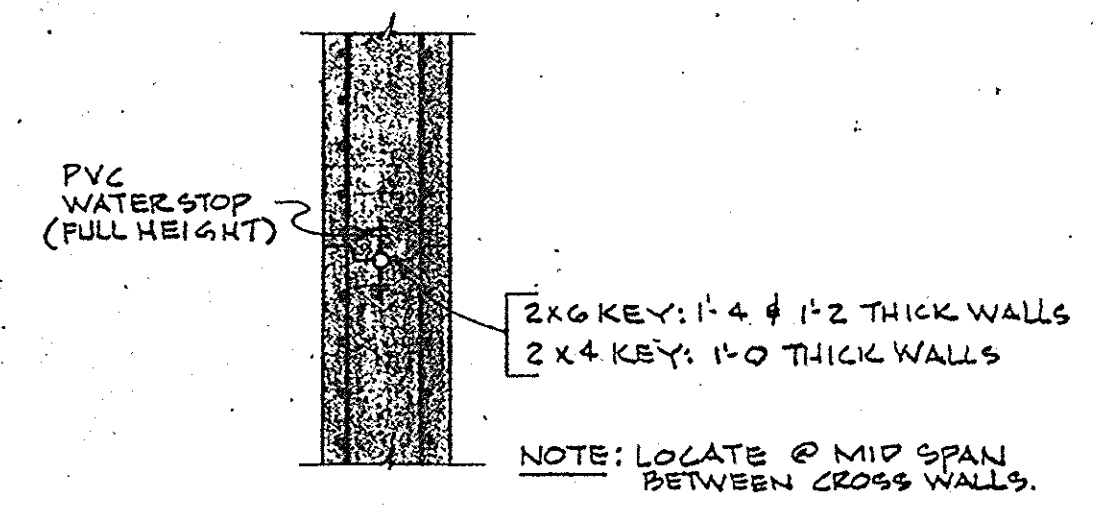
DETAIL 5
SEE SECTIONS 1 AND 2 FOR ADD'L INFO.



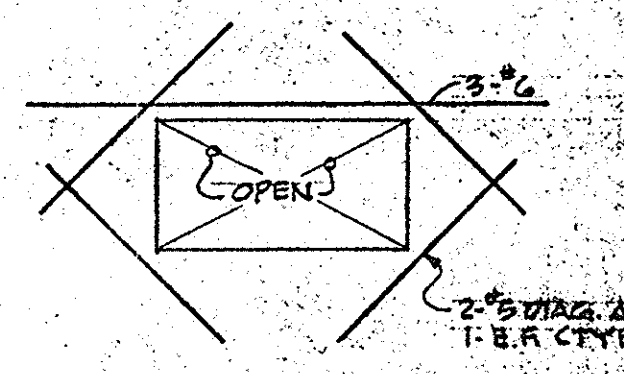
CORNER



INTERSECTION



CONSTRUCTION JOINT



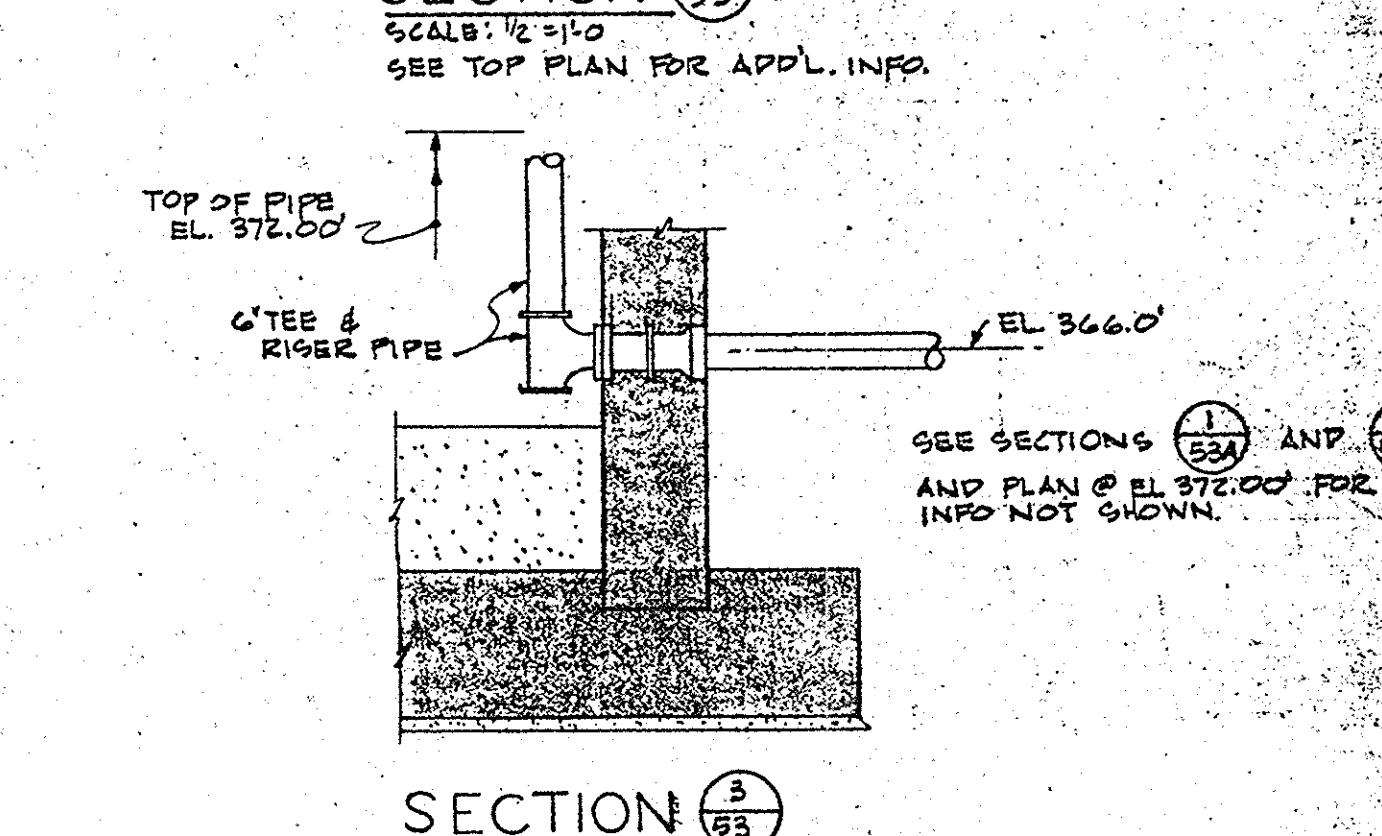
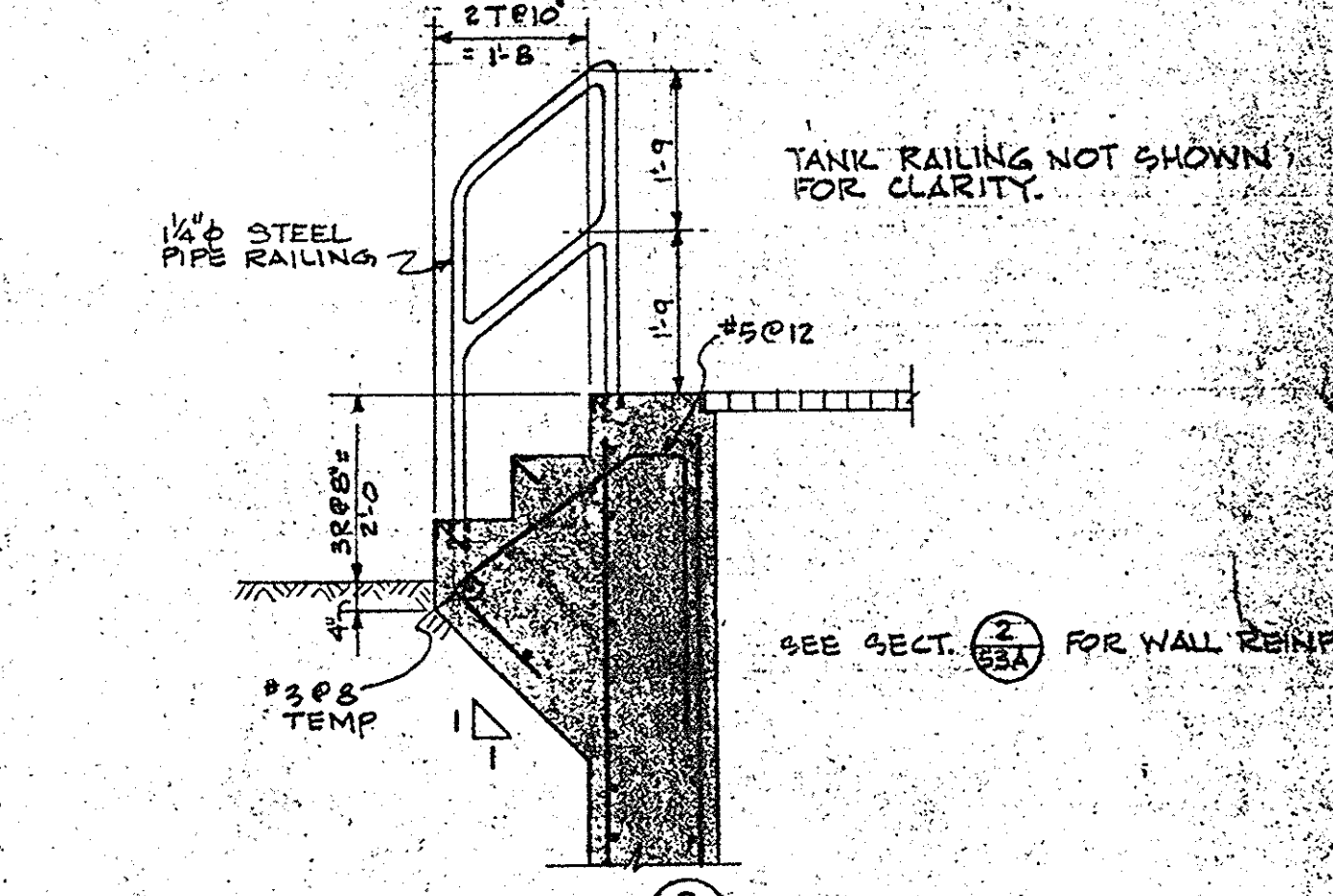
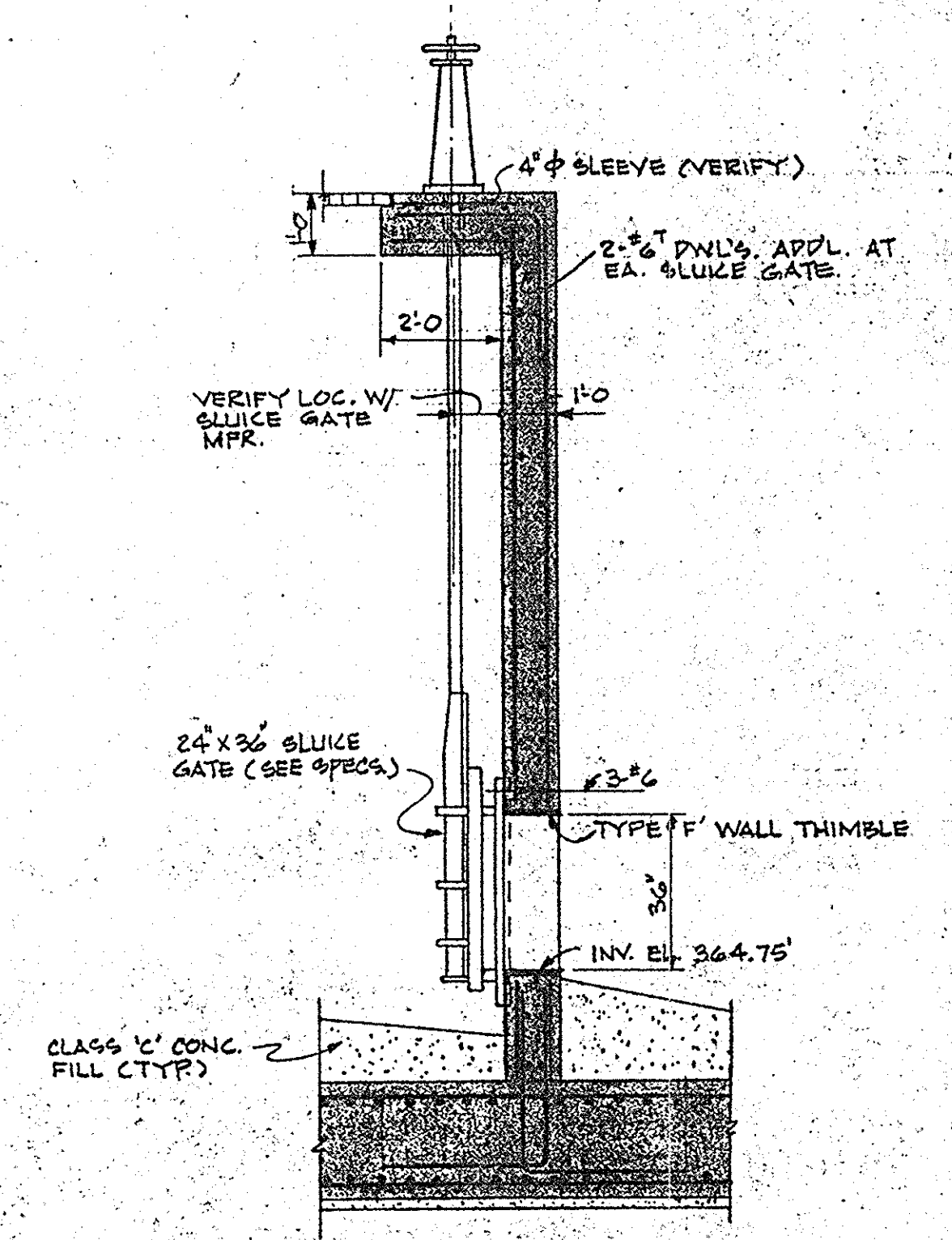
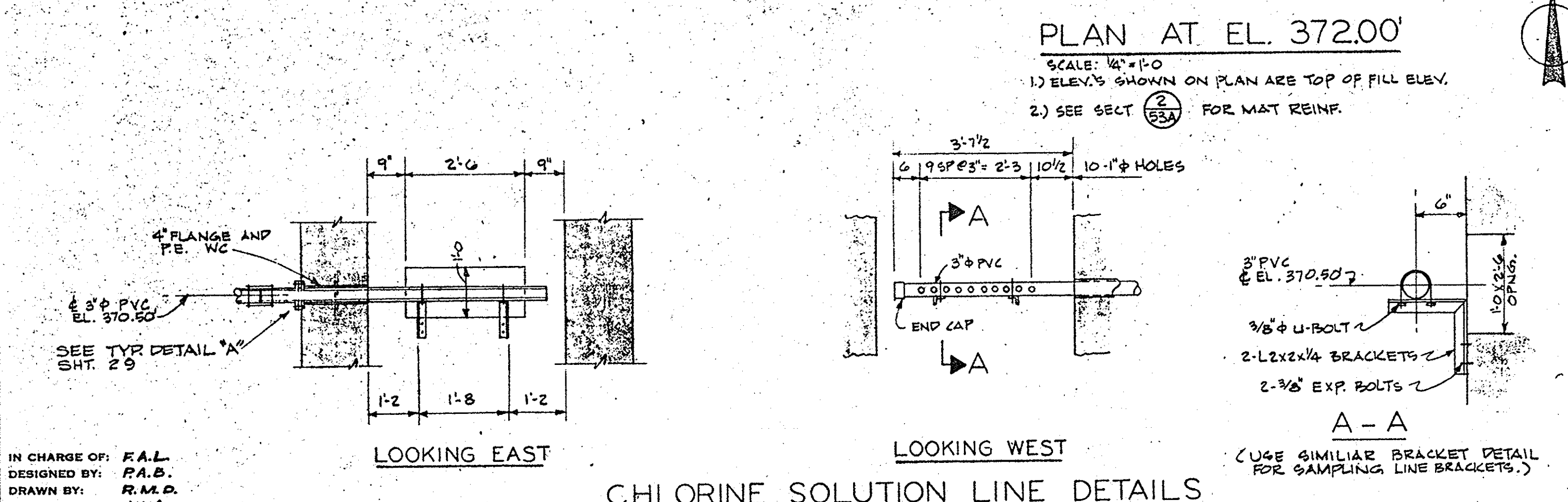
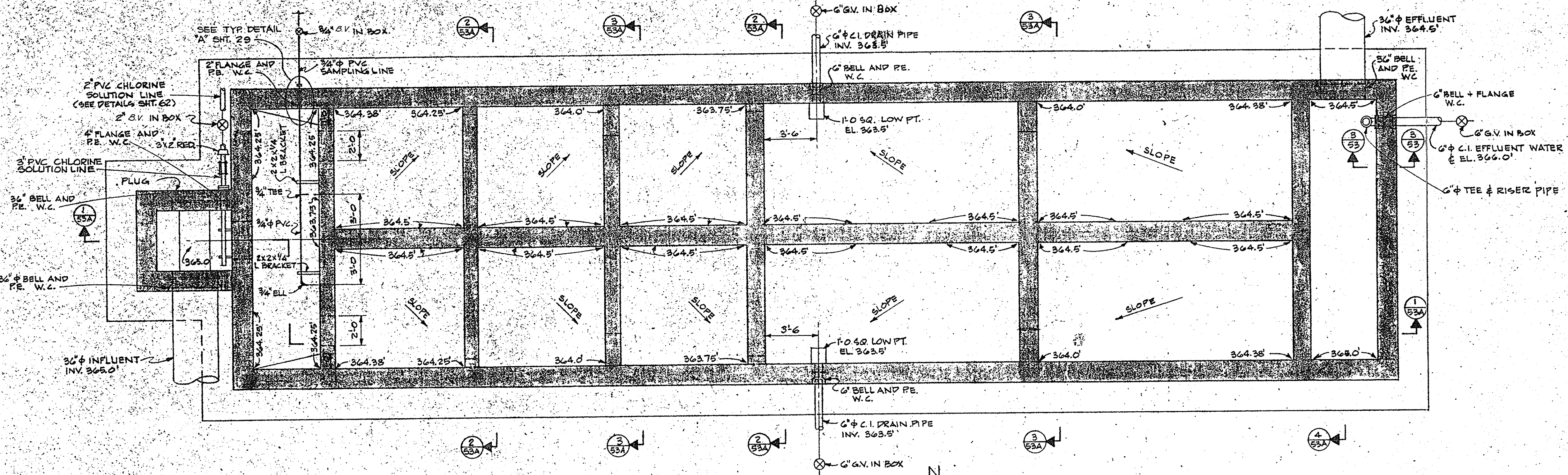
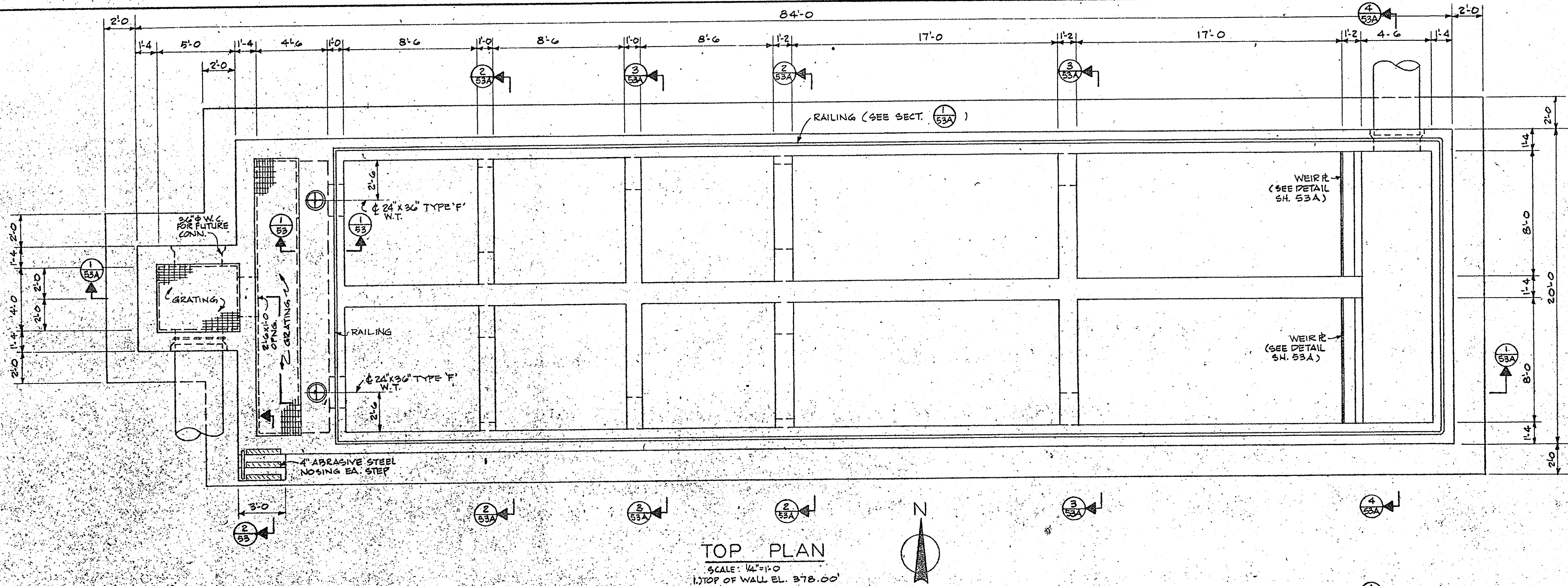
TYP. OPENING THRU WALL

SEE SECTIONS 1 AND 2 FOR ADD'L INFO.
TYPICAL WALL DETAILS

IN CHARGE OF: F.A.L.
DESIGNED BY: P.A.B.
DRAWN BY: R.M.D.
CHECKED BY: J.W.A.

ECKERLIN
KLEPPER
HAHN
CONSULTING
ENGINEERS
SYRACUSE &
ALBANY, N.Y.

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION
CONTROL PLANT
CHLORINE CONTACT TANK
STRUCTURAL
TOWN OF CICERO ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE
CONSULTING ENGINEERS & LAND-SURVEYORS
NORTH SYRACUSE, NEW-YORK
DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 55.32-57F



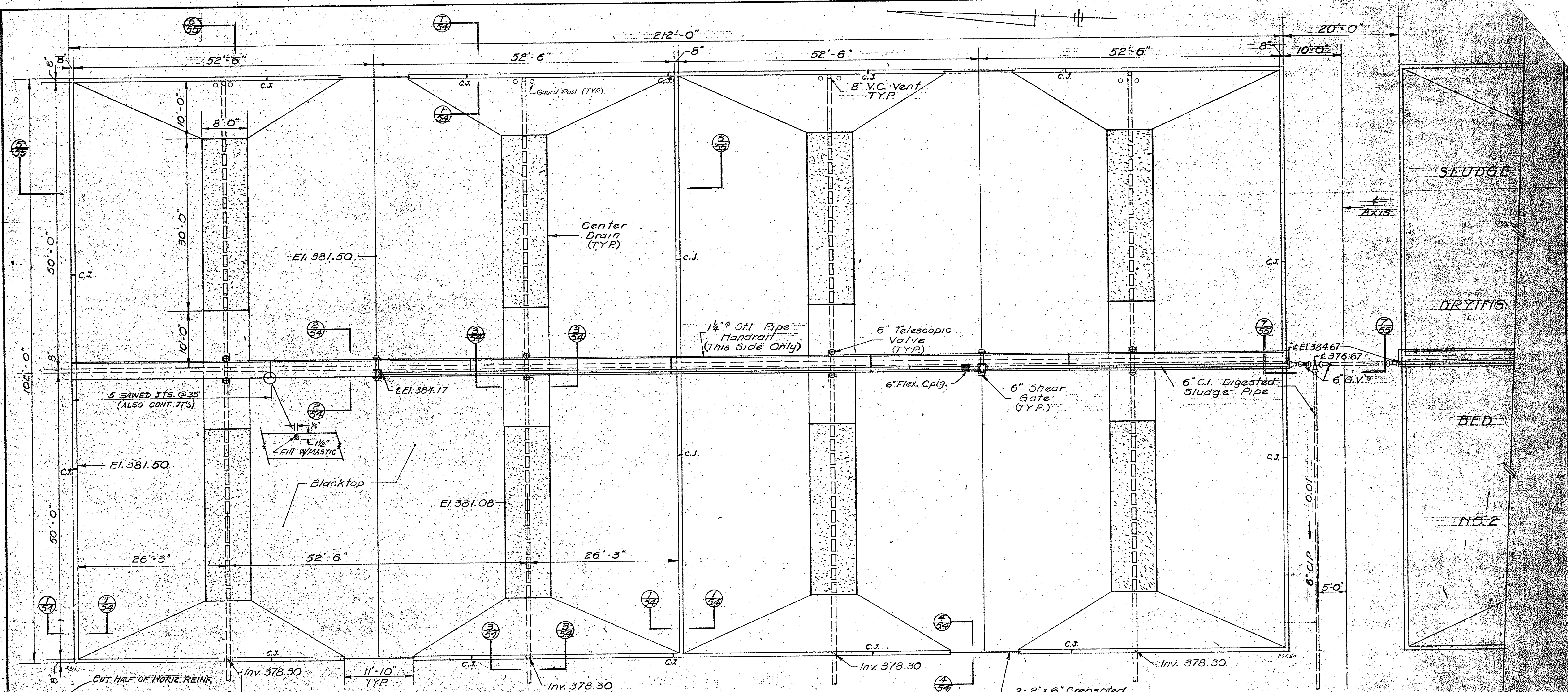
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
CHLORINE CONTACT TANK STRUCTURAL

TOWN: ZERO ONONDAGA CO., N.Y.
DESIGNED BY: CLYDE & LOGUIDICE
DRAWN BY: R.M.D.
CHECKED BY: J.W.A.

DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 55.32-56

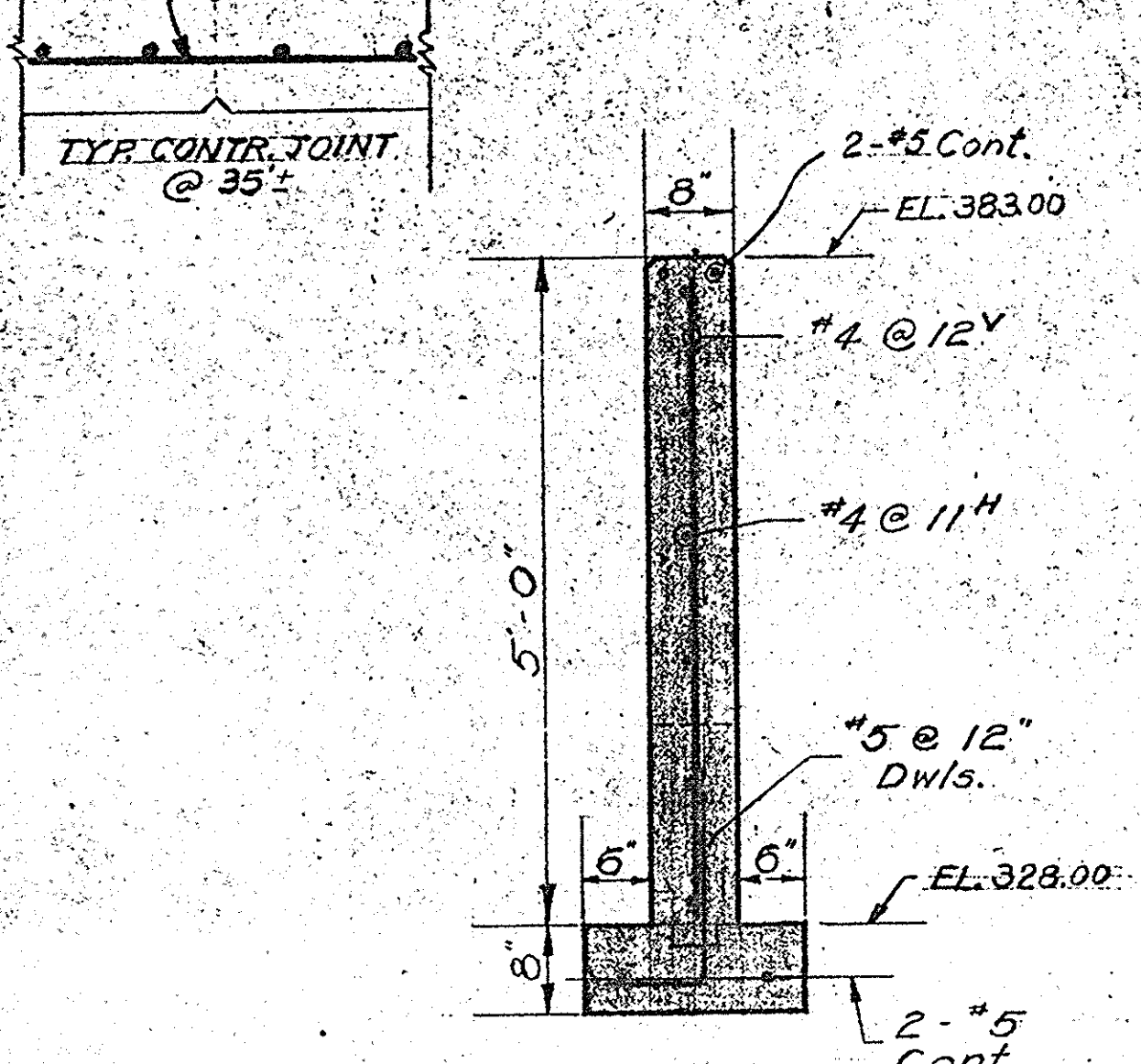
ECKERLIN KLEPPER HAHN CONSULTING ENGINEERS SURVEYORS & LAND SURVEYORS SYRACUSE & ALBANY, N.Y.

53

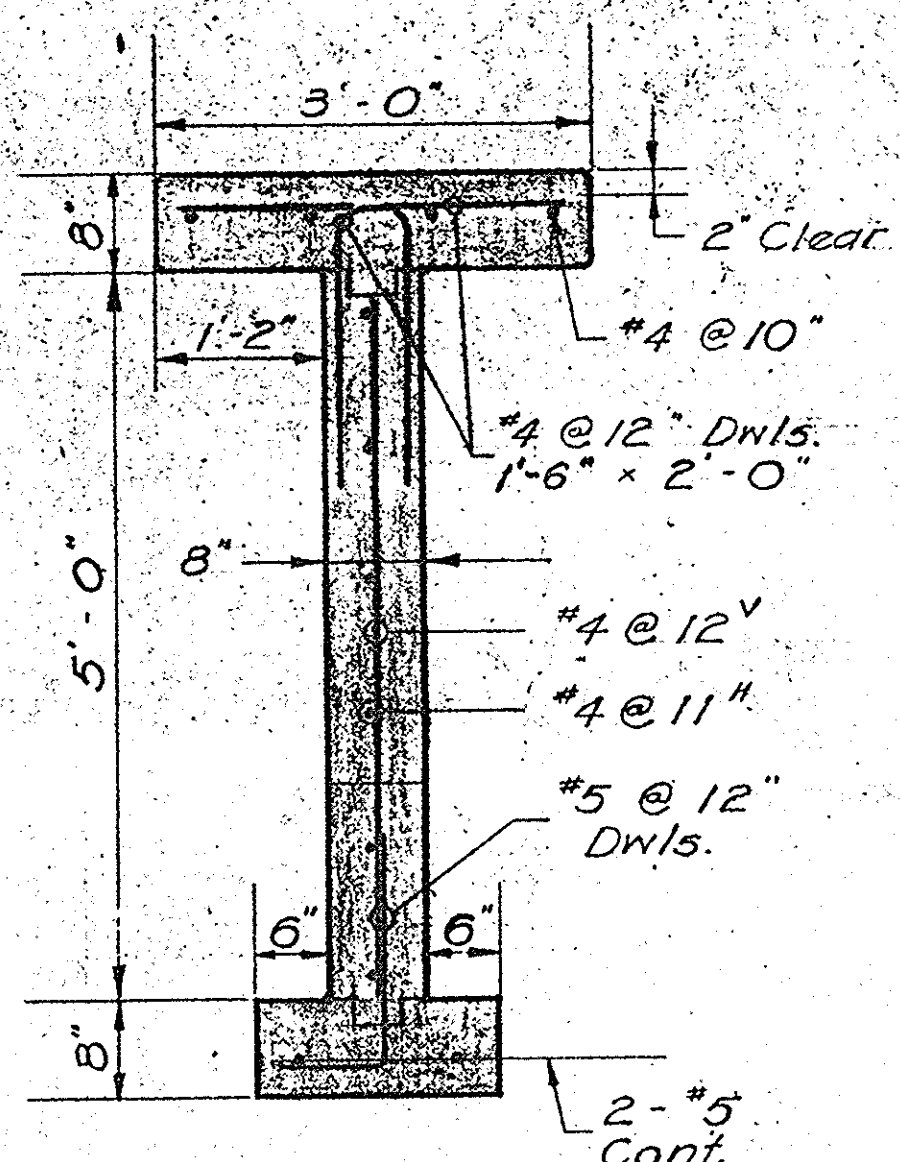


PLAN
SLUDGE DRYING BED #1

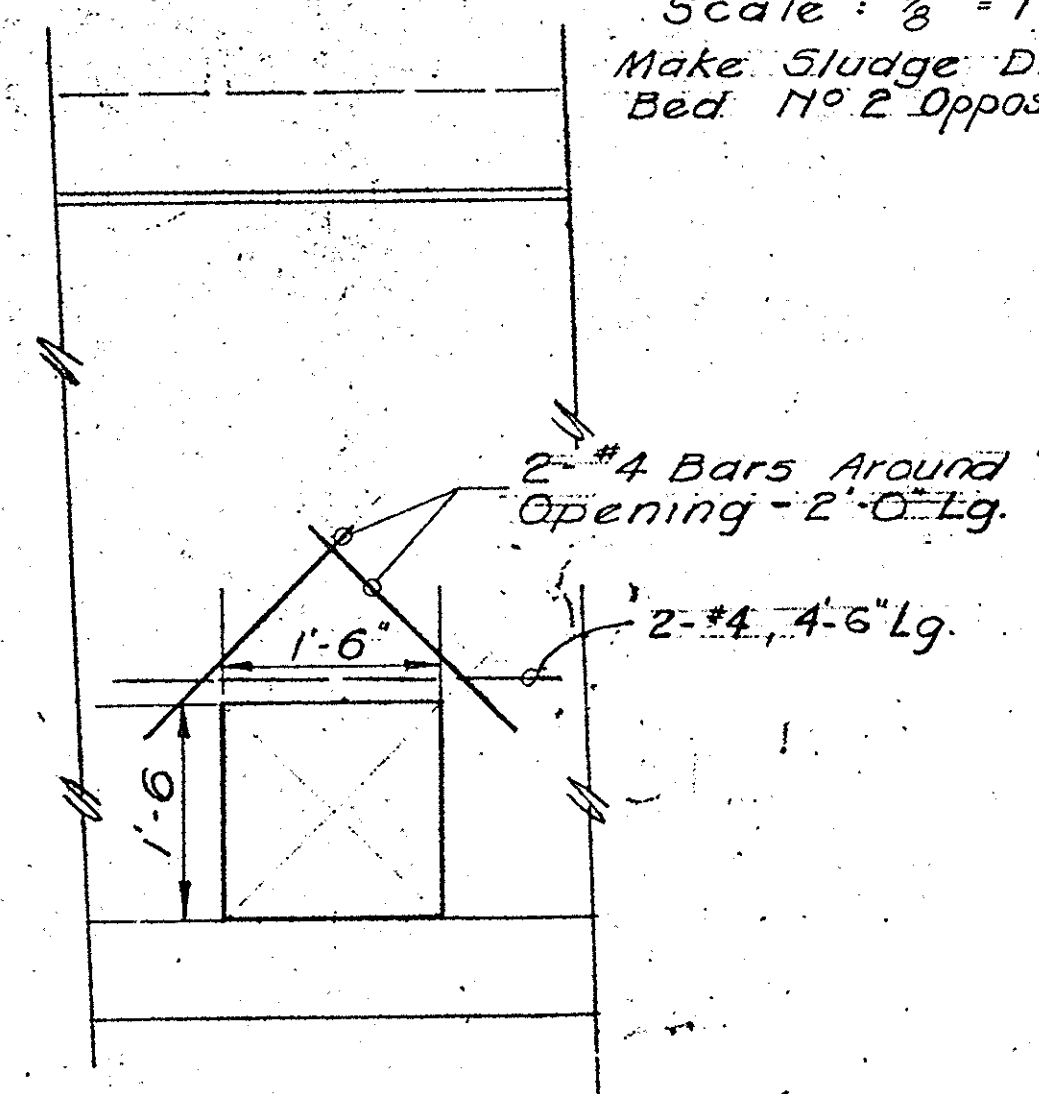
Scale: $\frac{1}{8}'' = 1'-0''$
 Make Sludge Drying Bed No. 2 Opposite Hand



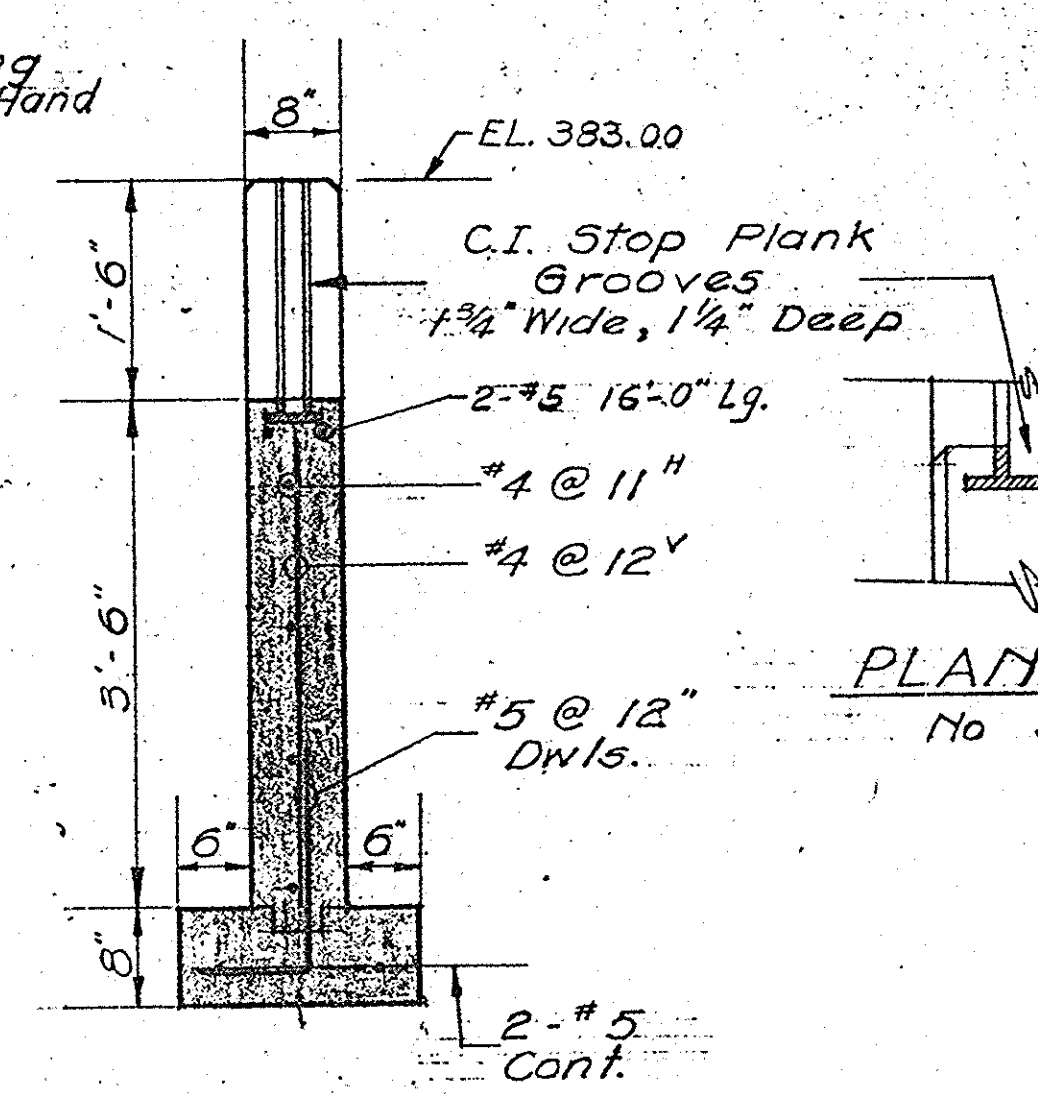
SECTION
 Scale: $\frac{3}{4}'' = 1'-0''$



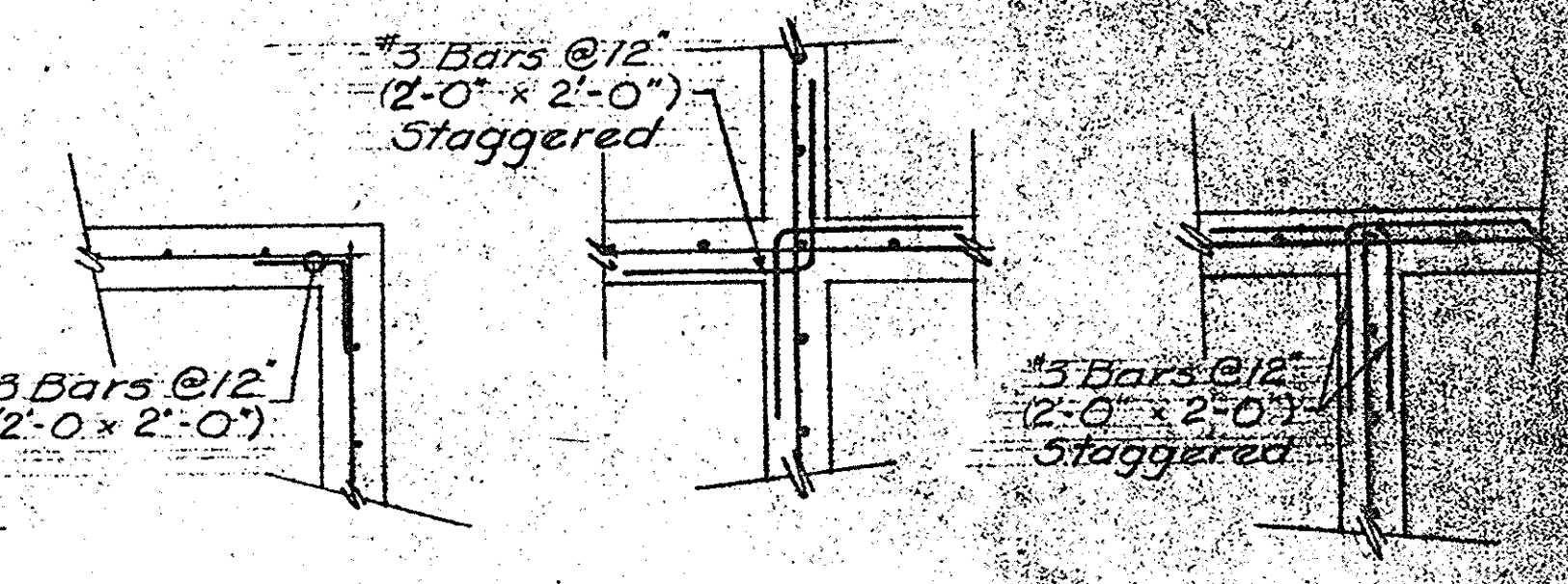
SECTION
 Scale: $\frac{3}{4}'' = 1'-0''$



SECTION
 Scale: $\frac{3}{4}'' = 1'-0''$



SECTION
 Scale: $\frac{3}{4}'' = 1'-0''$

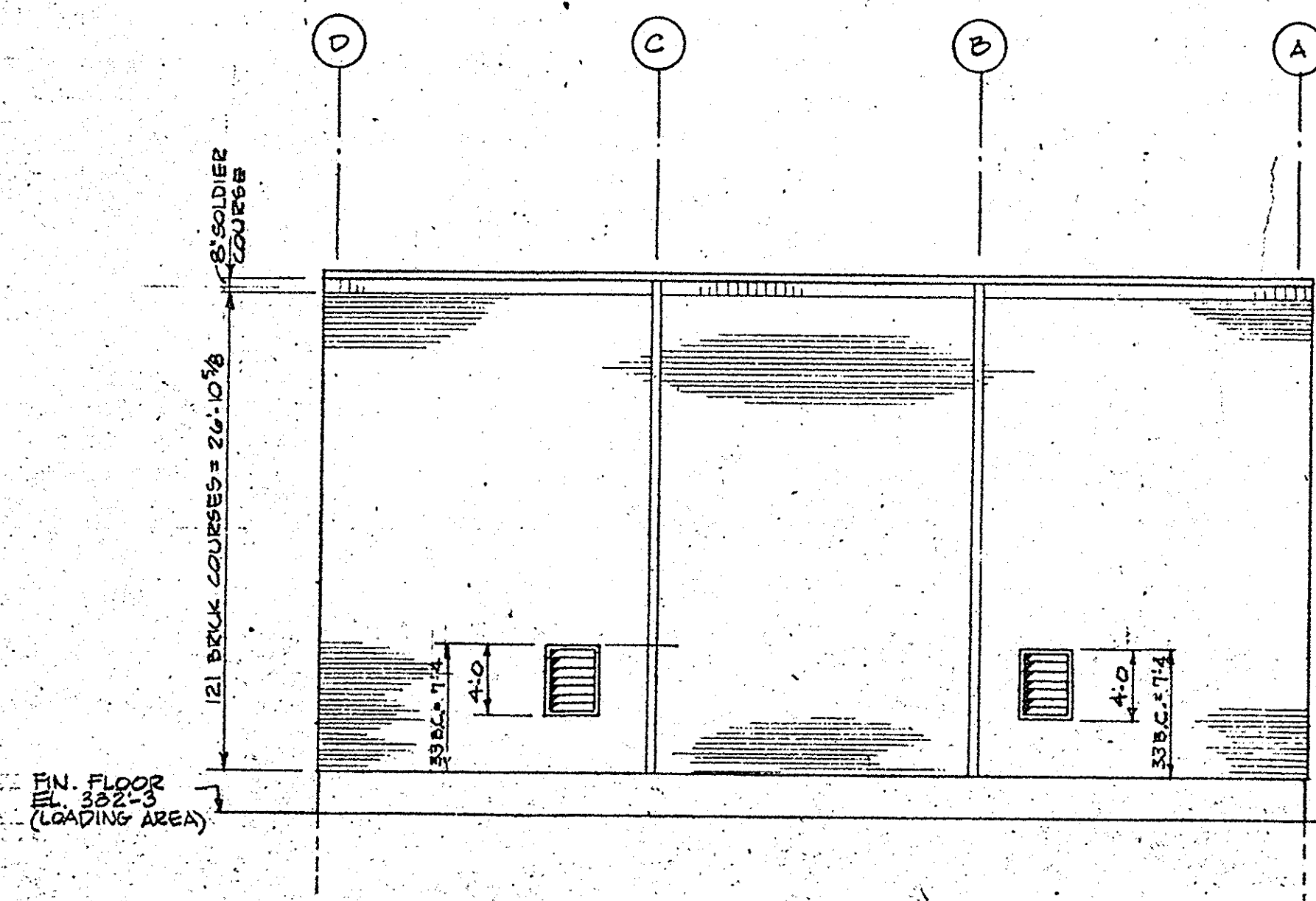


CORNER REINFORCEMENT DETAILS
 Scale: $\frac{1}{2}'' = 1'-0''$

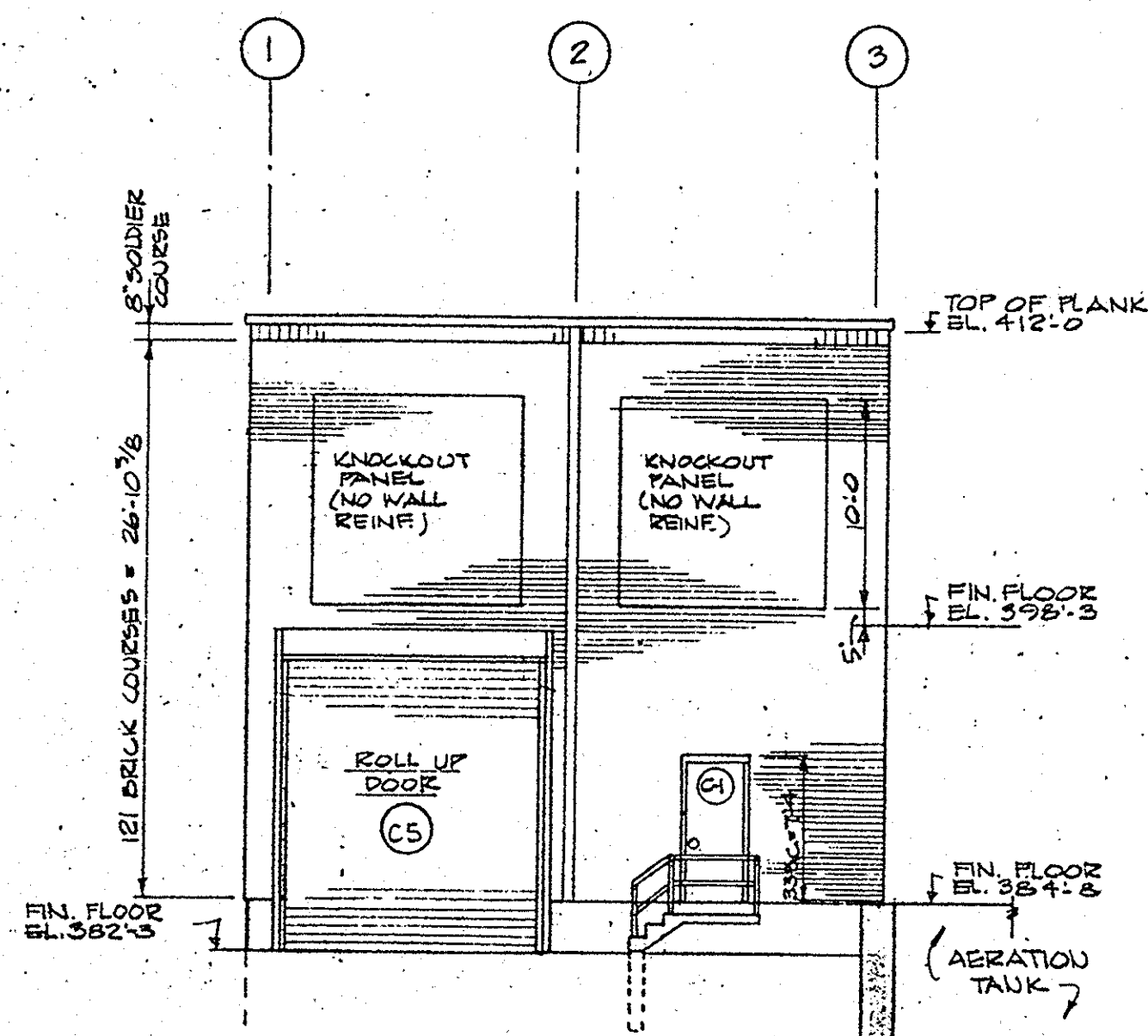
PLAN VIEW
 No Scale

IN CHARGE OF: F.A.L.
 DESIGNED BY: G.H.
 DRAWN BY: F.N.K.
 CHECKED BY: J.C.M.

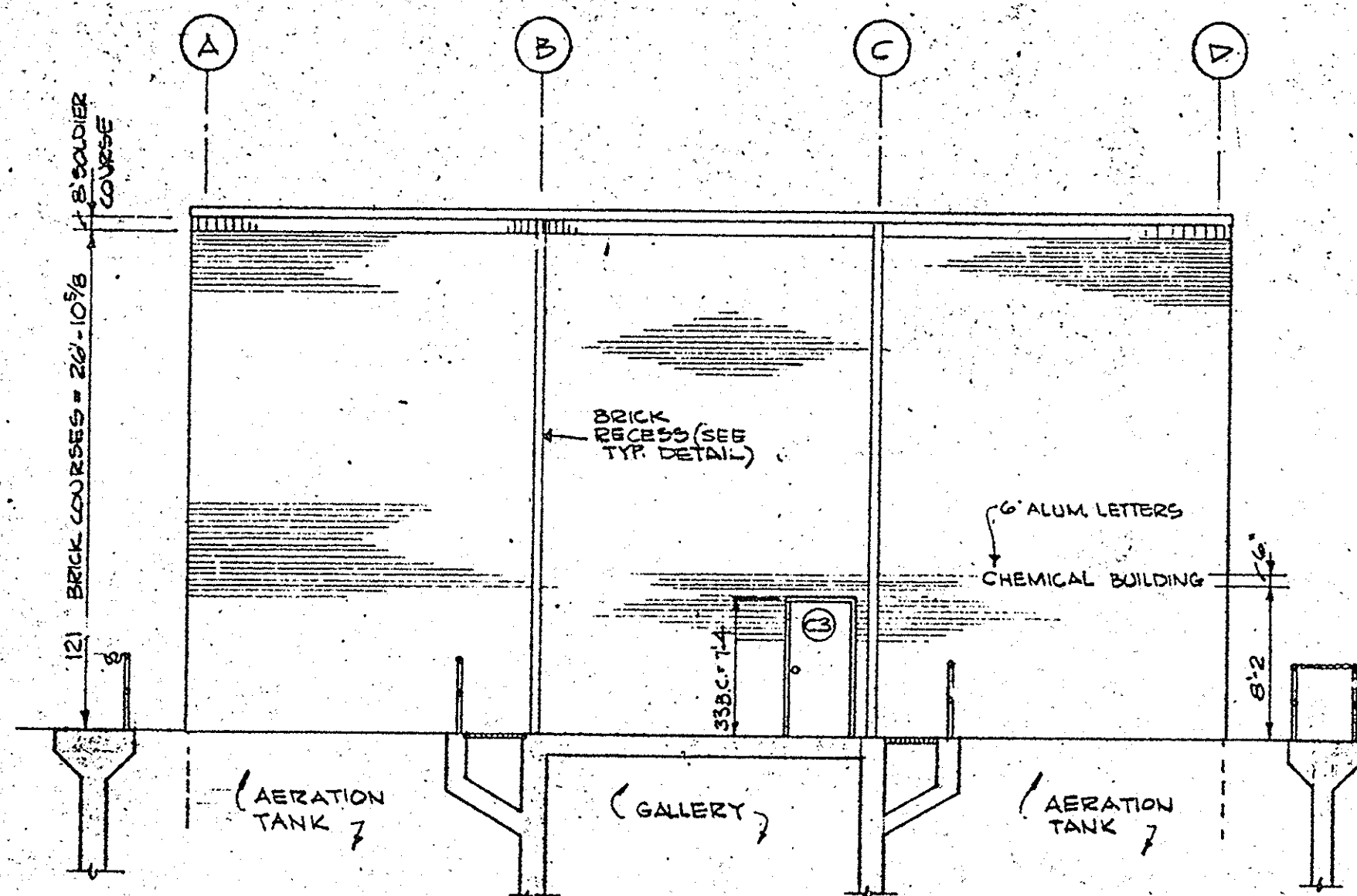
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
SLUDGE DRYING BEDS	
STRUCTURAL	
TOWN OF CICERO	ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND-SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO.: 5532-58F



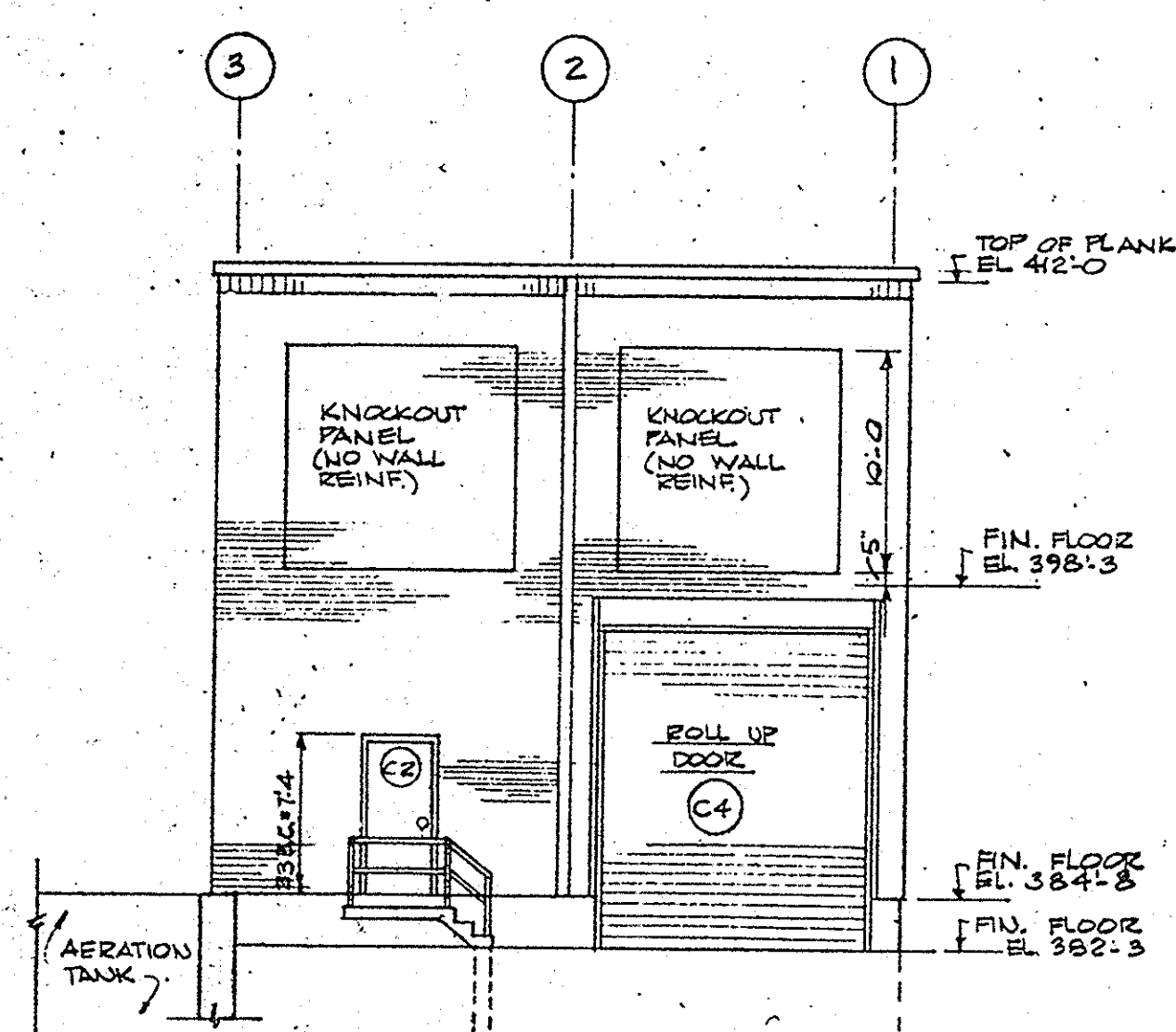
EAST ELEVATION
SCALE 1/8" = 1'-0"



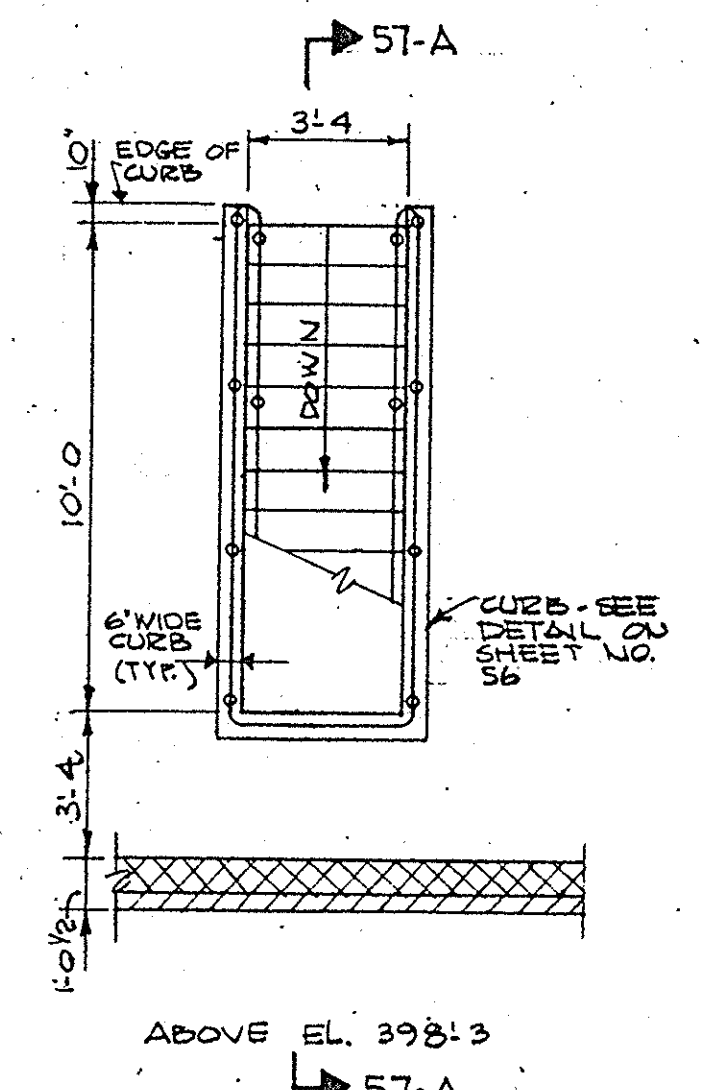
NORTH ELEVATION
SCALE 1/8" = 1'-0"



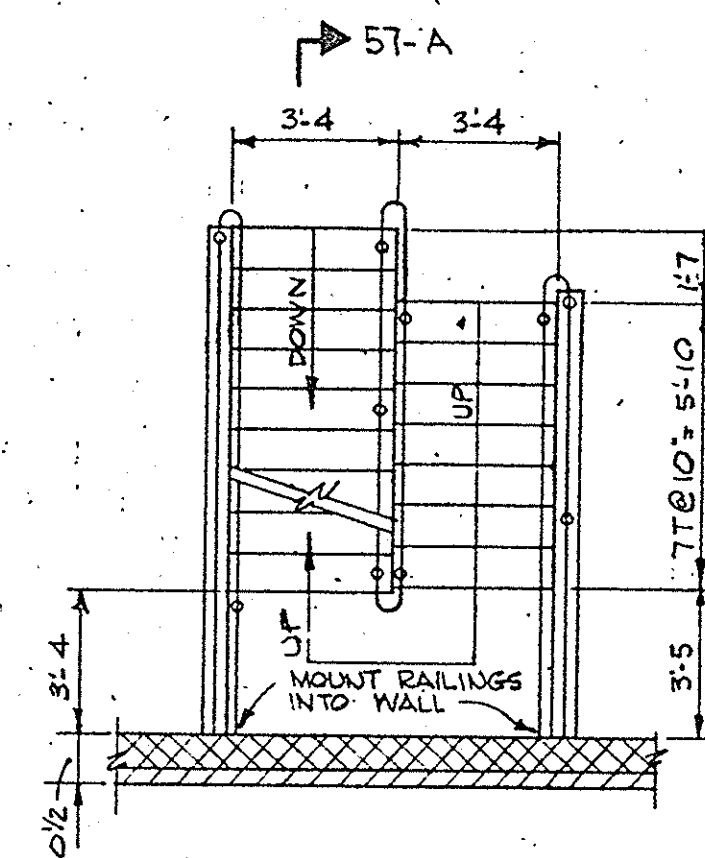
WEST ELEVATION
SCALE 1/8" = 1'-0"



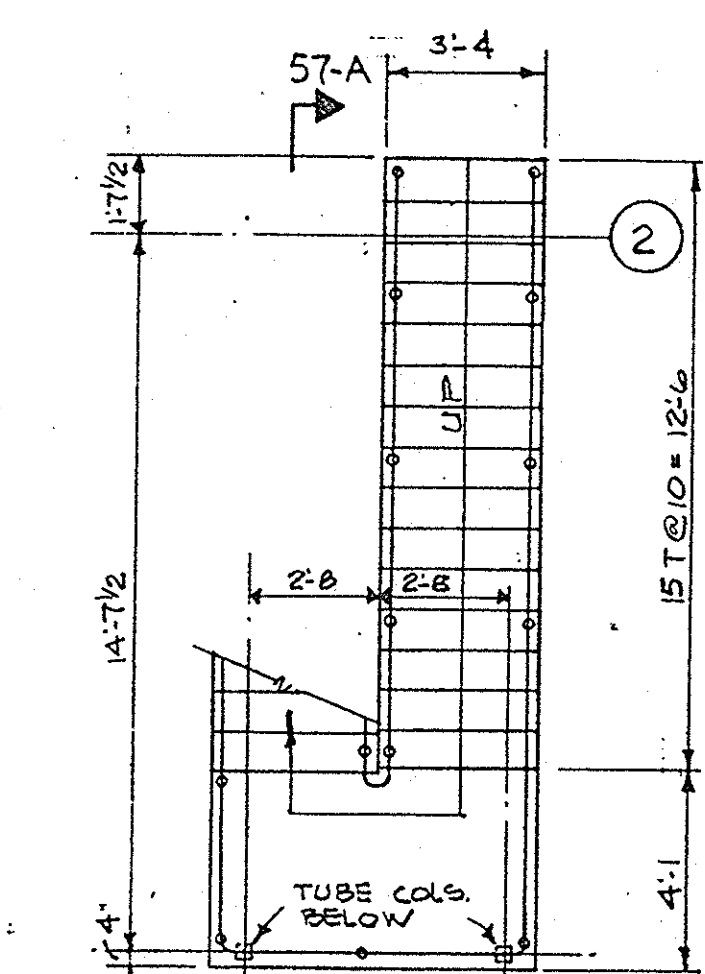
SOUTH ELEVATION
SCALE 1/8" = 1'-0"



ABOVE EL. 398'-3"

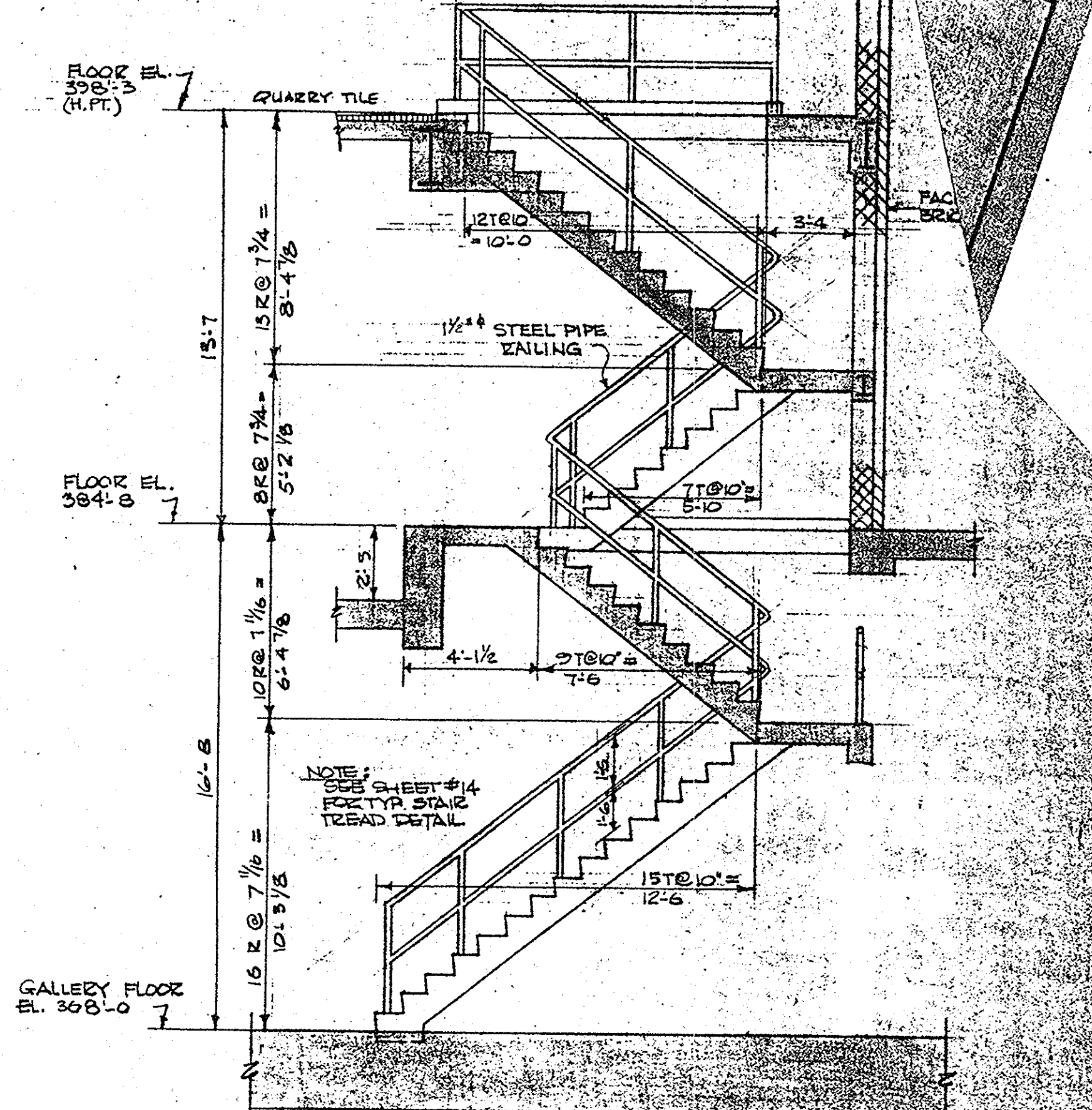


ABOVE EL. 384'-8"

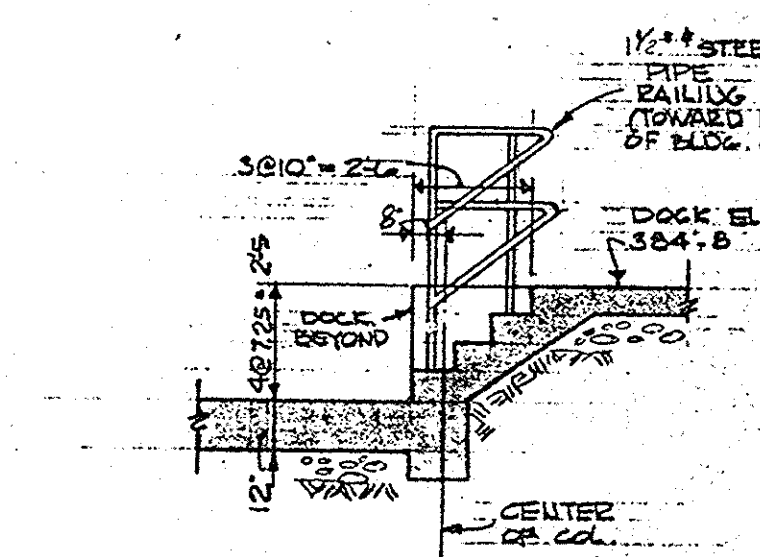


ABOVE EL. 368'-0"

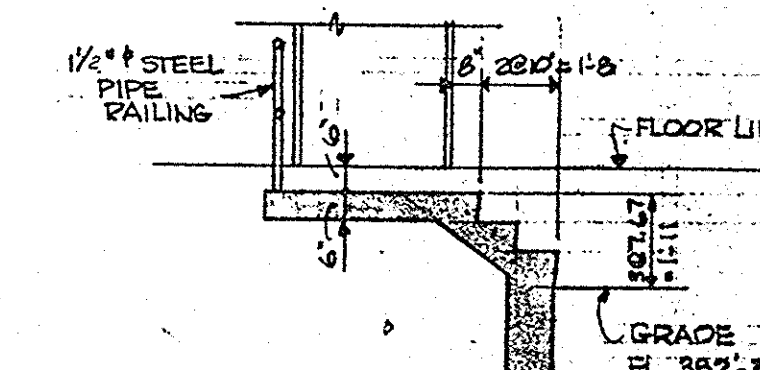
PLANS STAIR NO. 1
SCALE 1/4" = 1'-0"



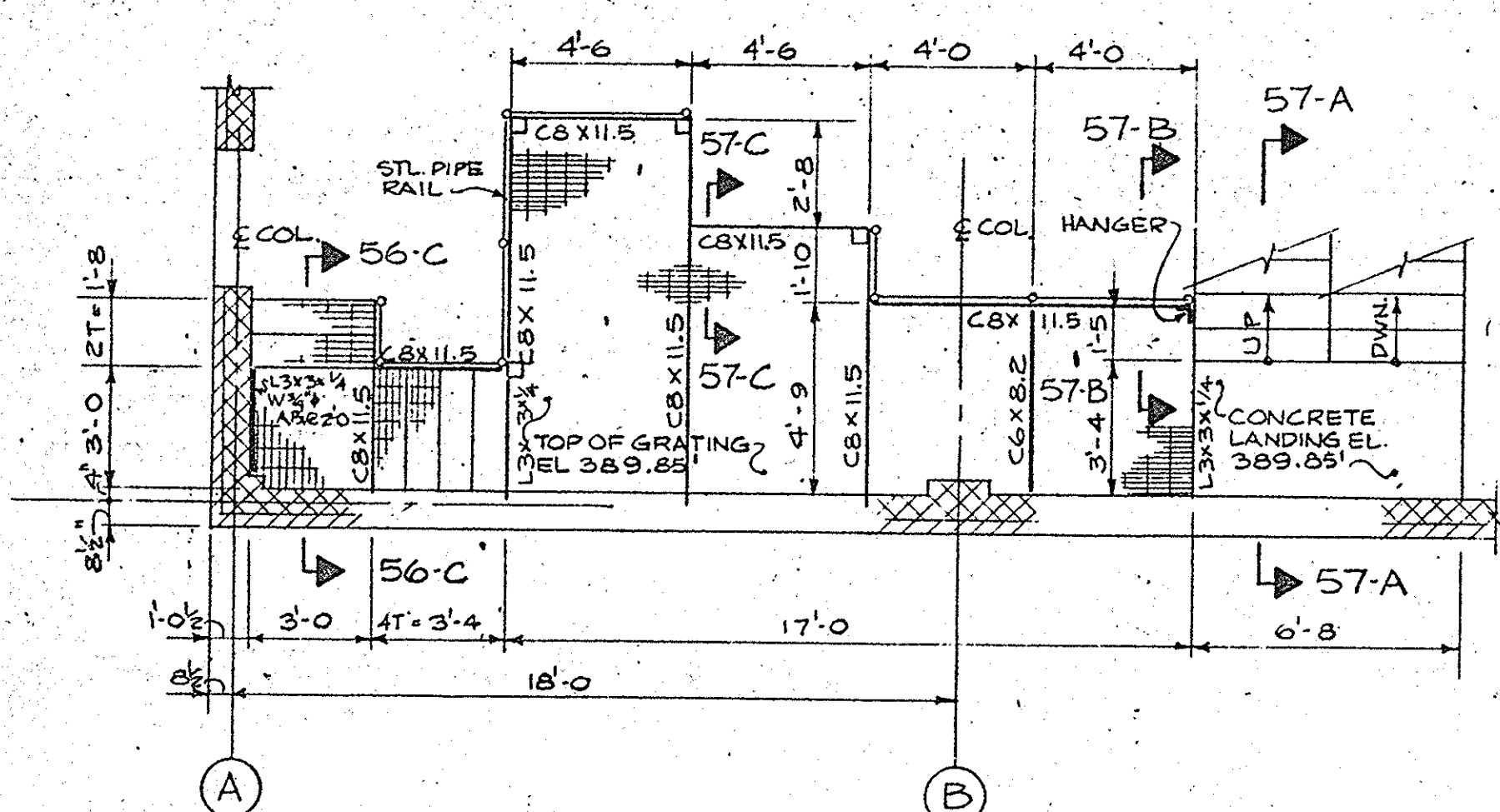
SECTION 57-A
SCALE 1/4" = 1'-0"



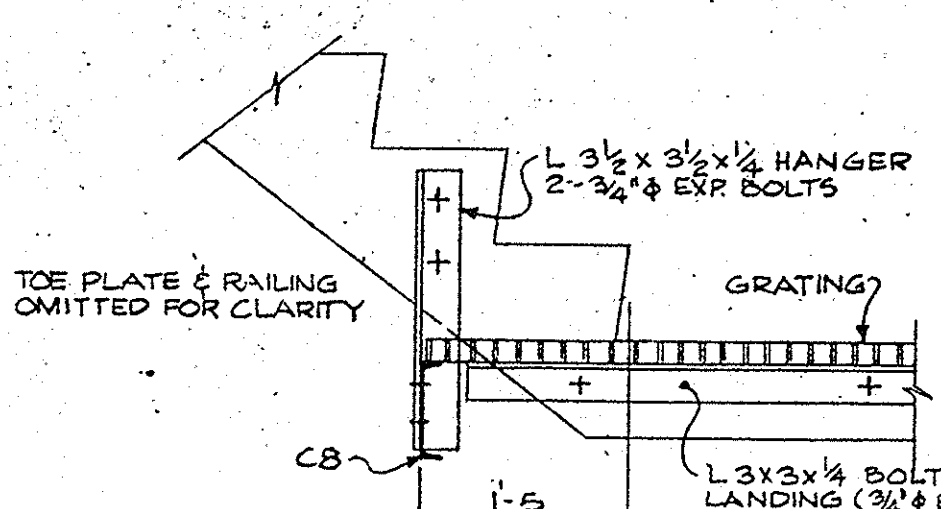
STAIRS NO. 2 & 3
SCALE 1/4" = 1'-0"



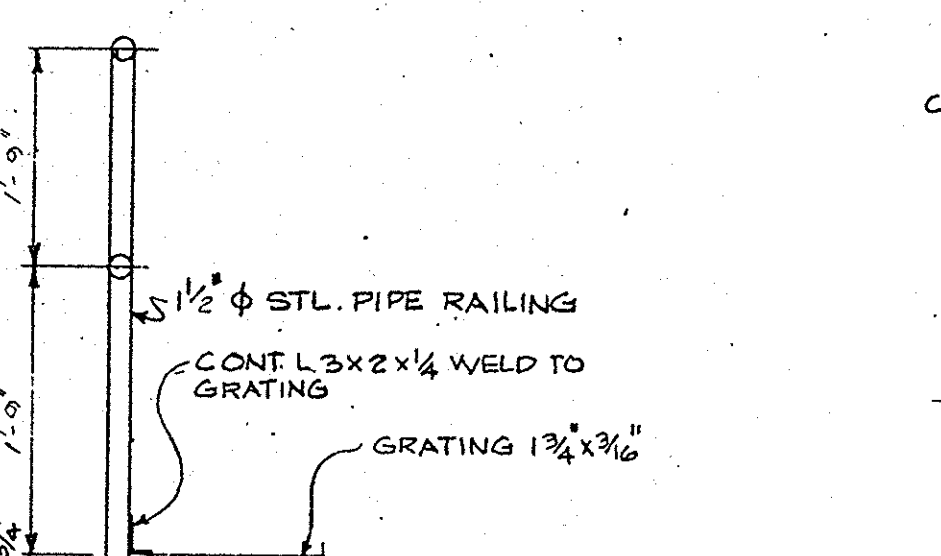
STAIRS NO. 4 & 5
(NO B OPP HAND)
SCALE 1/4" = 1'-0"



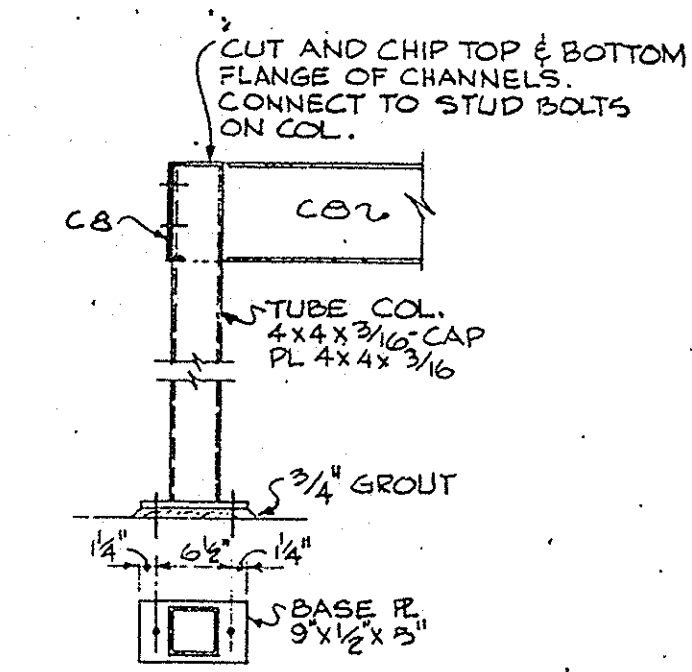
STORAGE PLATFORM LAYOUT
SCALE 1/4" = 1'-0"



SECTION 57-B
SCALE 3/4" = 1'-0"



SECTION 57-C
TYPICAL CROSS SECTION
SCALE 3/4" = 1'-0"



TYPICAL GRATING SUPPORT DETAIL
SCALE 3/4" = 1'-0"

IN CHARGE OF: F.A.L.
DESIGNED BY: R.S.
DRAWN BY: R.S.
CHECKED BY: H.H.W.

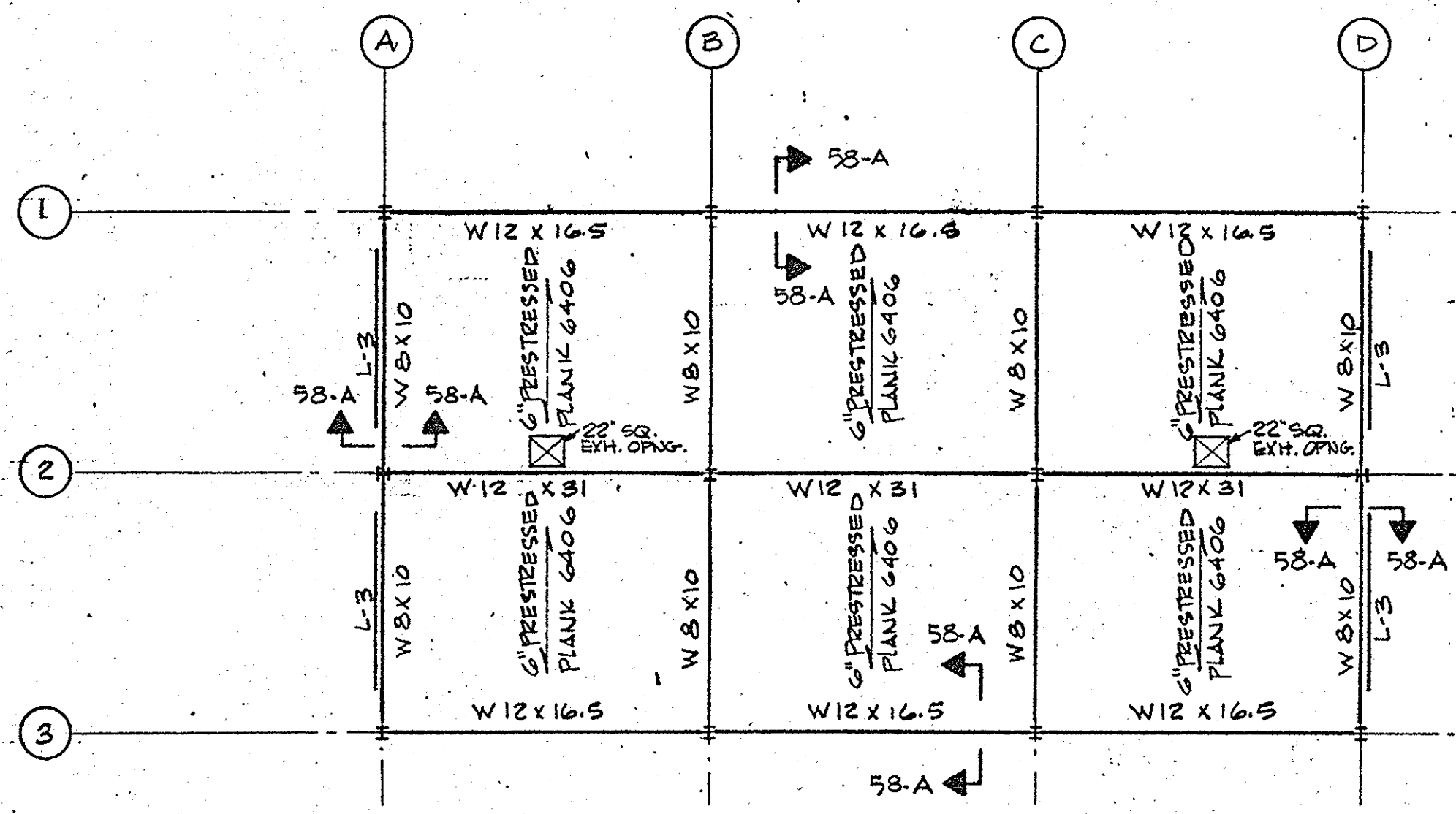
ECKERLIN CONSULTING ENGINEERS
KLEPPER ENGINEERS
HAHN SYRACUSE, N.Y.

NO.	REVISIONS

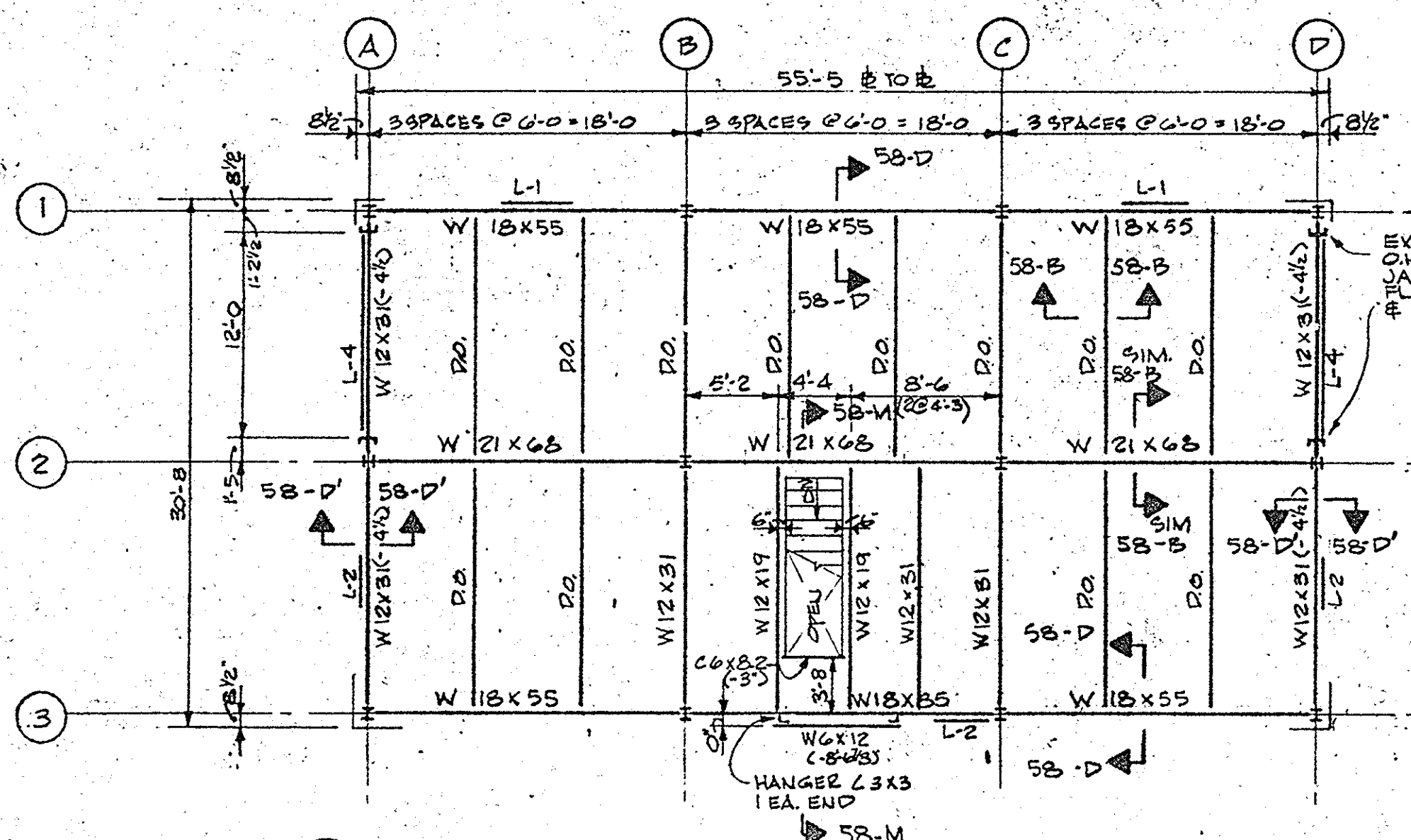
ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
CHEMICAL BUILDING
ARCHITECTURAL
TOWN OF CICERO ONONDAGA CO., N.Y.

BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS
NORTH 57th ST., CUBES, NEW YORK

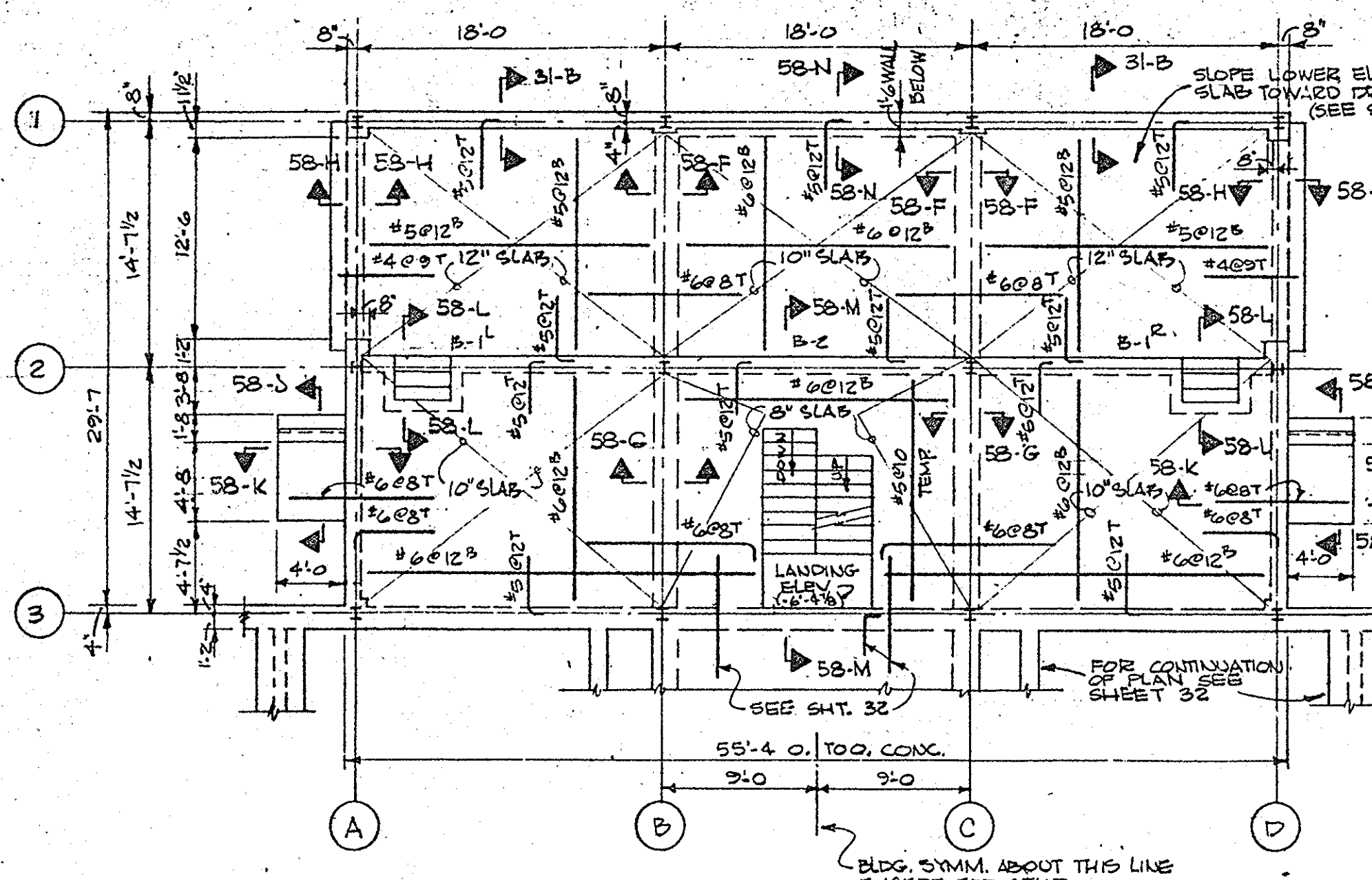
DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 55.32-61F



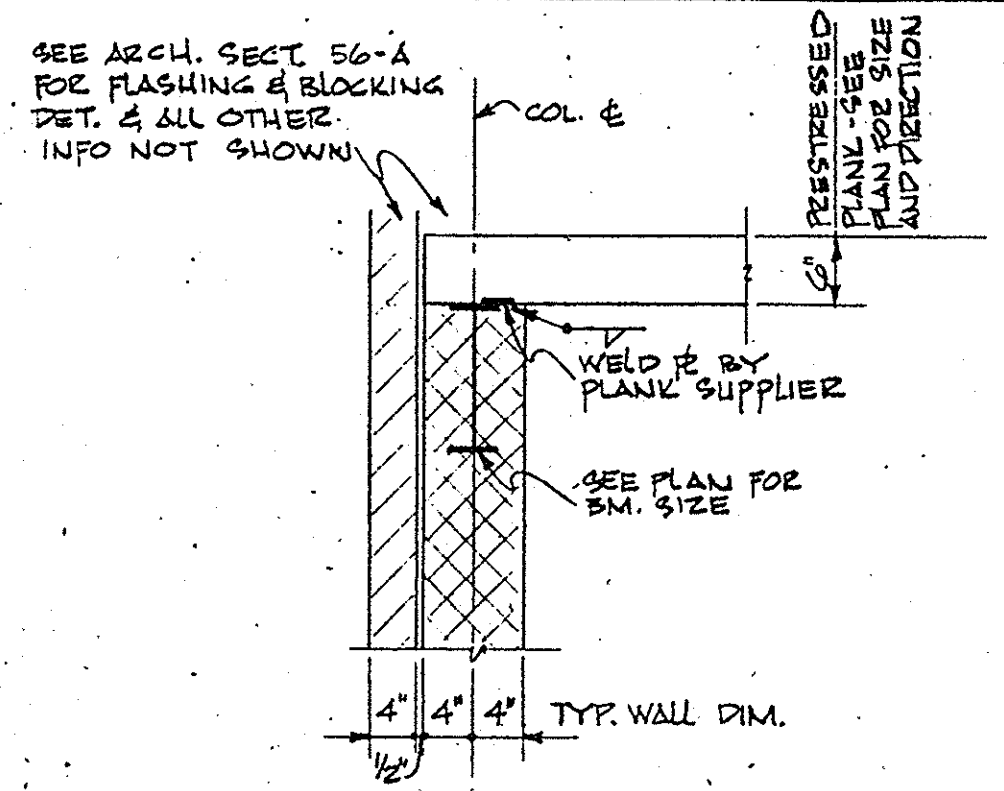
ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"
1. T.O.G. ELEV. 411'-6"



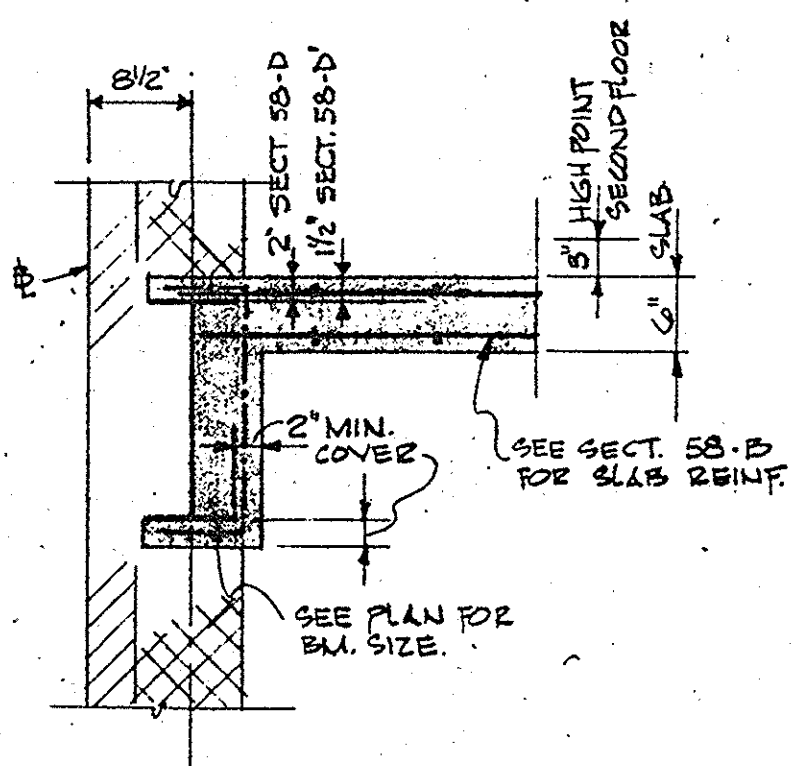
SECOND FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"
1. FIN. FL. ELEV. 398'-3 (4 FT) TOP OF STEEL (S) THROUGHT UNLESS MEASURED (C) FROM FIN. FL.
2. SECOND FLOOR CONSTRUCTION TO BE 6" CONC. SLAB. SEE SECT. 1-B FOR REINF.



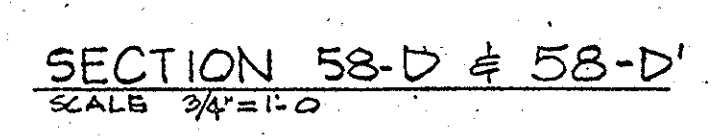
FIRST FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"
1. TOP OF SLAB EL. 384'-8, UNLESS NOTED OTHERWISE, SLAB TO REST ON MIN. 6" GRAVEL FILL (COMPACTED) WHERE SHOWN.



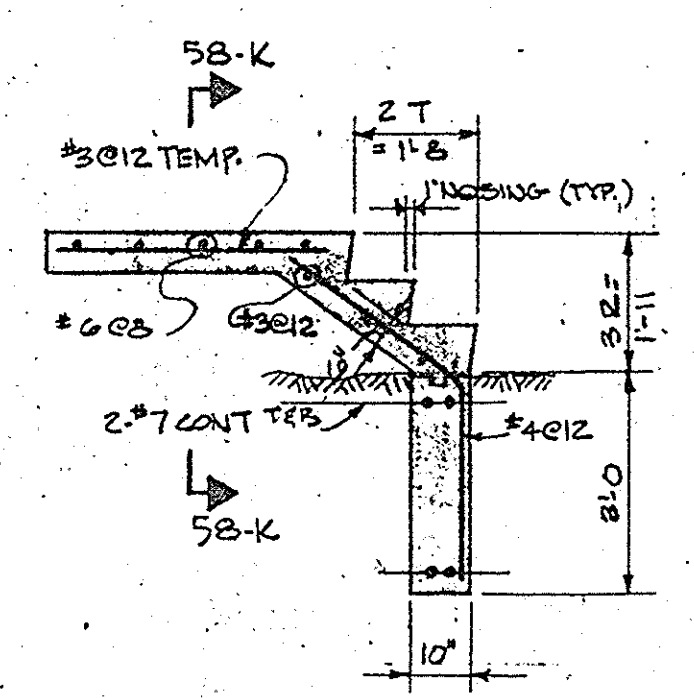
SECTION 58-A
SCALE: 3/4"=1'-0"



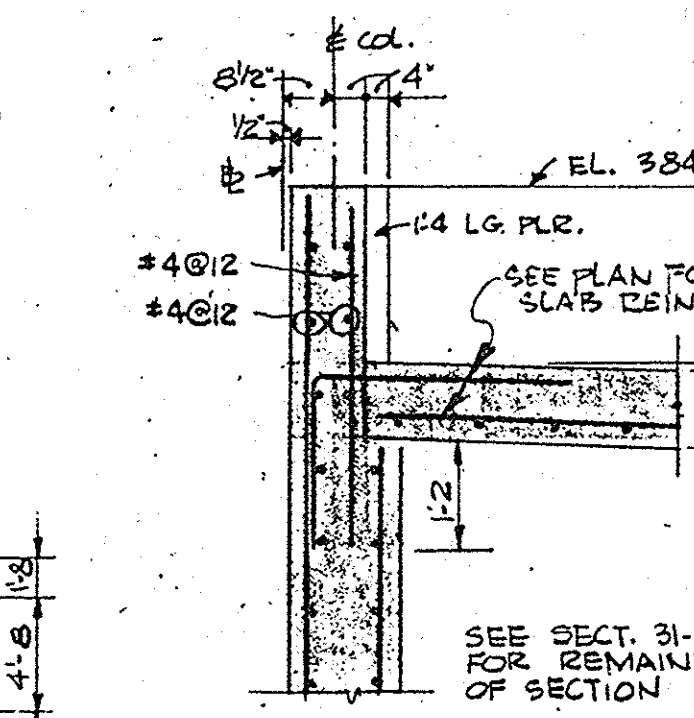
SECTION 58-B
SCALE: 3/4"=1'-0"
TYPICAL ENCLOSED BEAM
DETAIL @ 2ND FLOOR



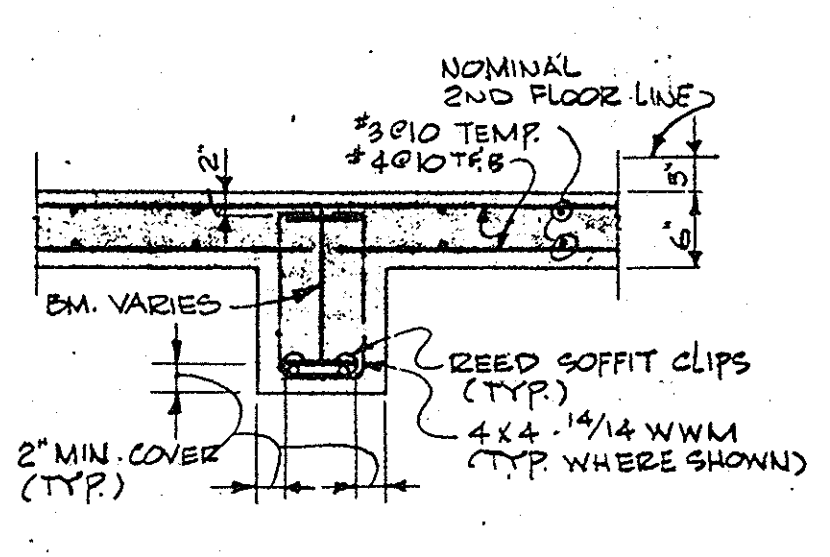
SECTION 58-D & 58-D'
SCALE: 3/4"=1'-0"



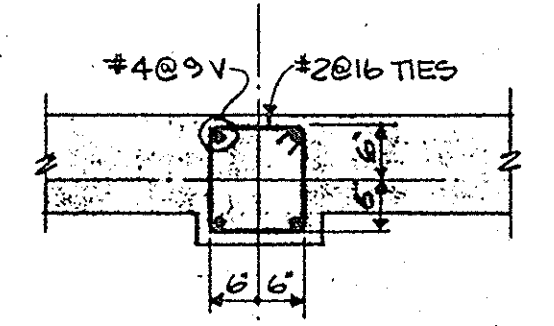
SECTION 58-K
SCALE: 3/4"=1'-0"



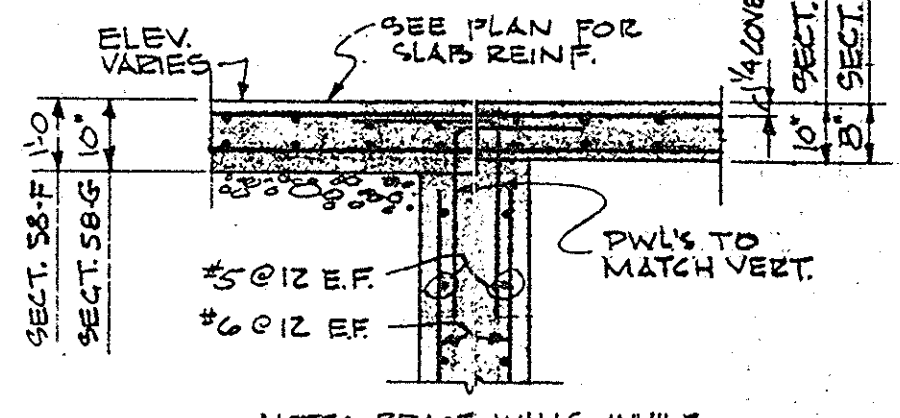
SECTION 58-N
SCALE: 3/8"=1'-0"



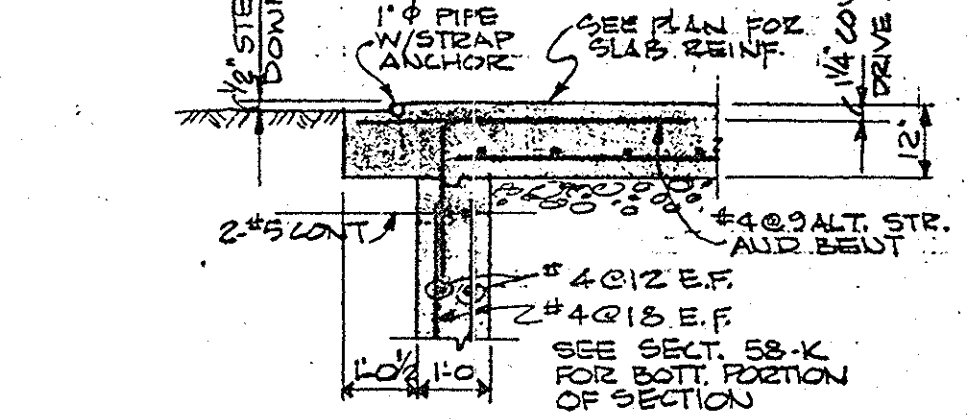
DETAIL 58-C
TYP. REINF. CAGE
UNDER INTERIOR COLS.
SCALE: 1/2"=1'-0"



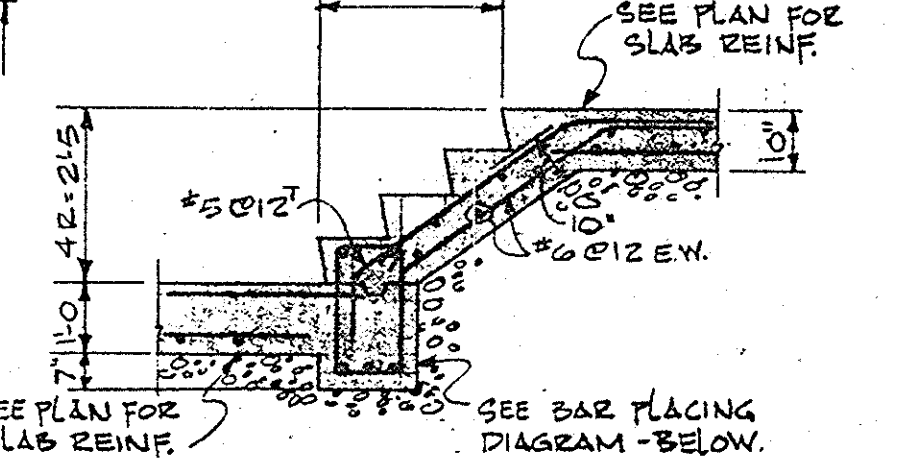
DETAIL 58-E
TYP. PLASTER REINF.
FOR ALL EXTERIOR COLS.
SCALE: 1/2"=1'-0"



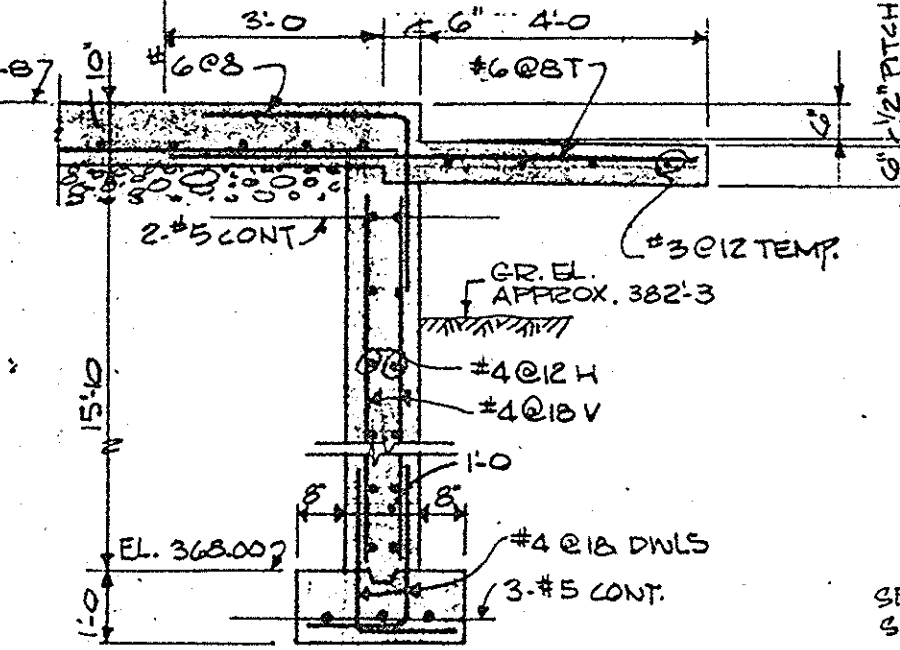
SECTION 58-F & 58-G
SCALE: 3/8"=1'-0"



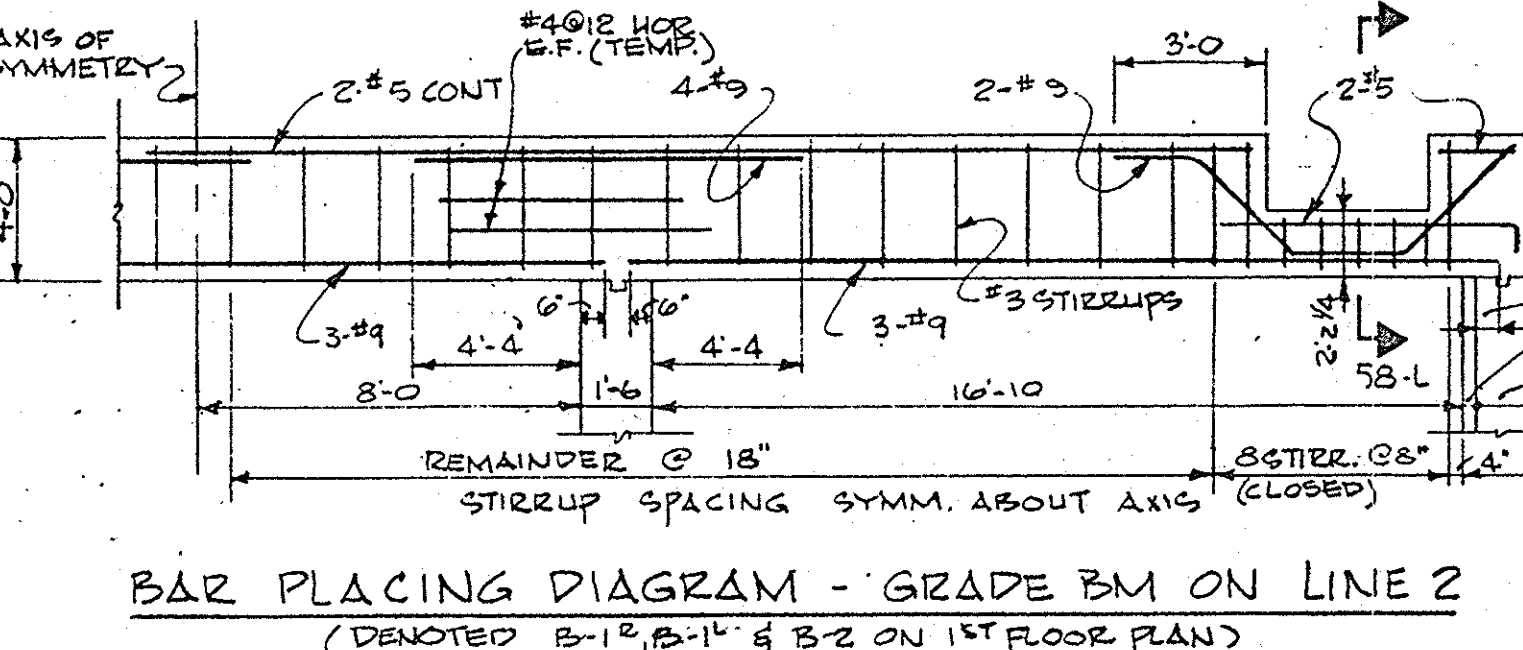
SECTION 58-H
SCALE: 3/8"=1'-0"



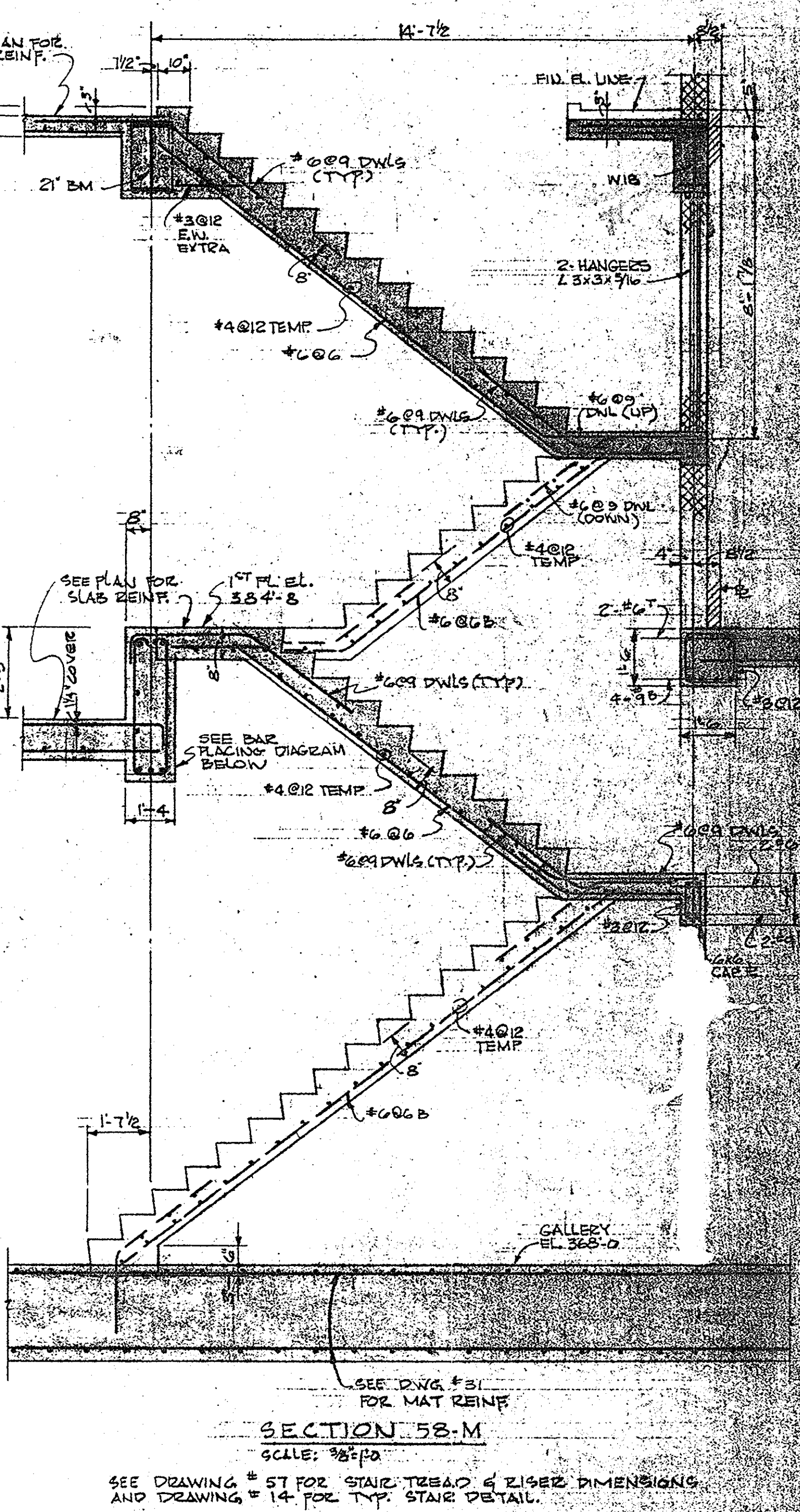
SECTION 58-L
SCALE: 3/8"=1'-0"



SECTION 58-J
SCALE: 3/8"=1'-0"



BAR PLACING DIAGRAM - GRADE BM ON LINE 2
(DENOTED B-1, B-1' & B-2 ON 1ST FLOOR PLAN)



SECTION 58-M
SCALE: 3/8"=1'-0"

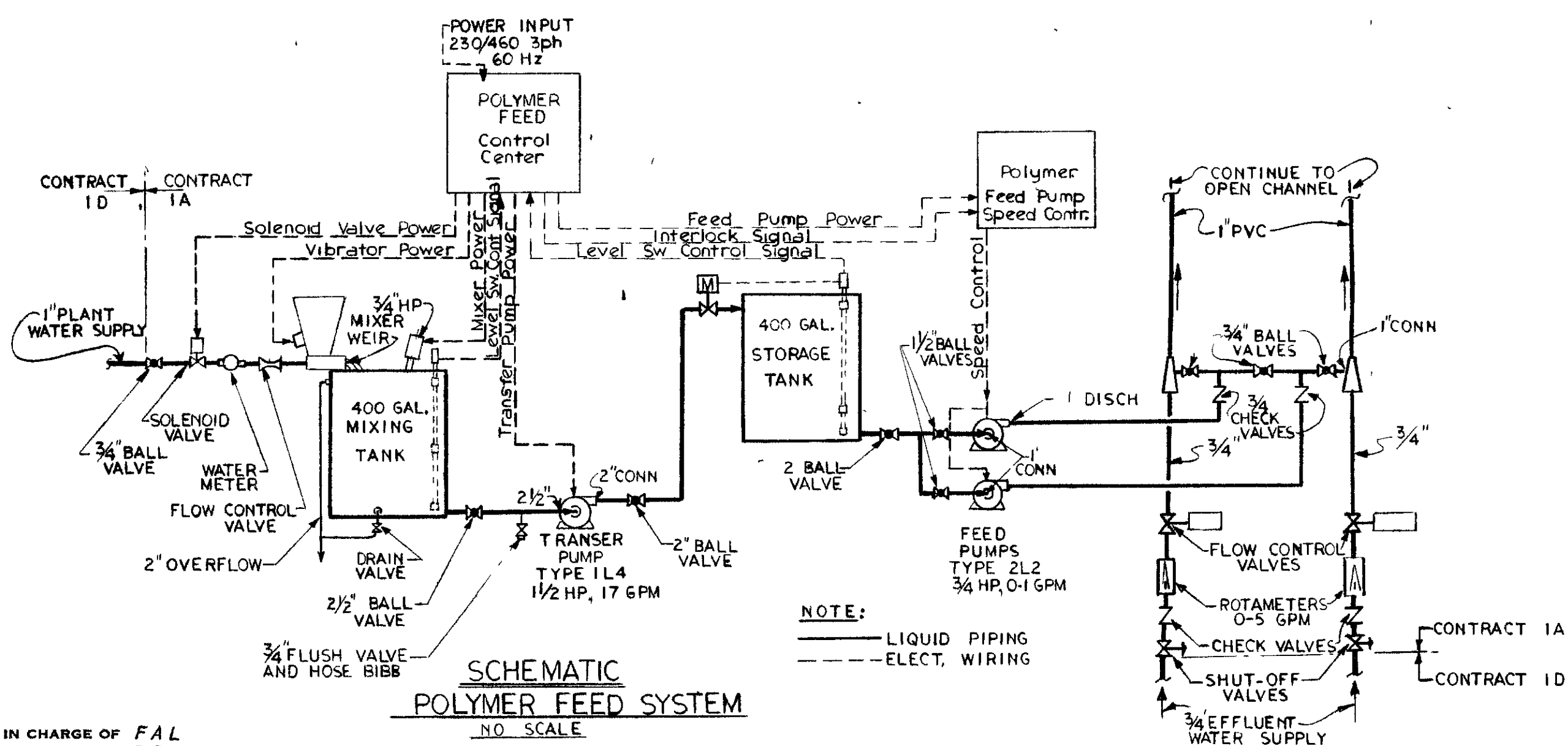
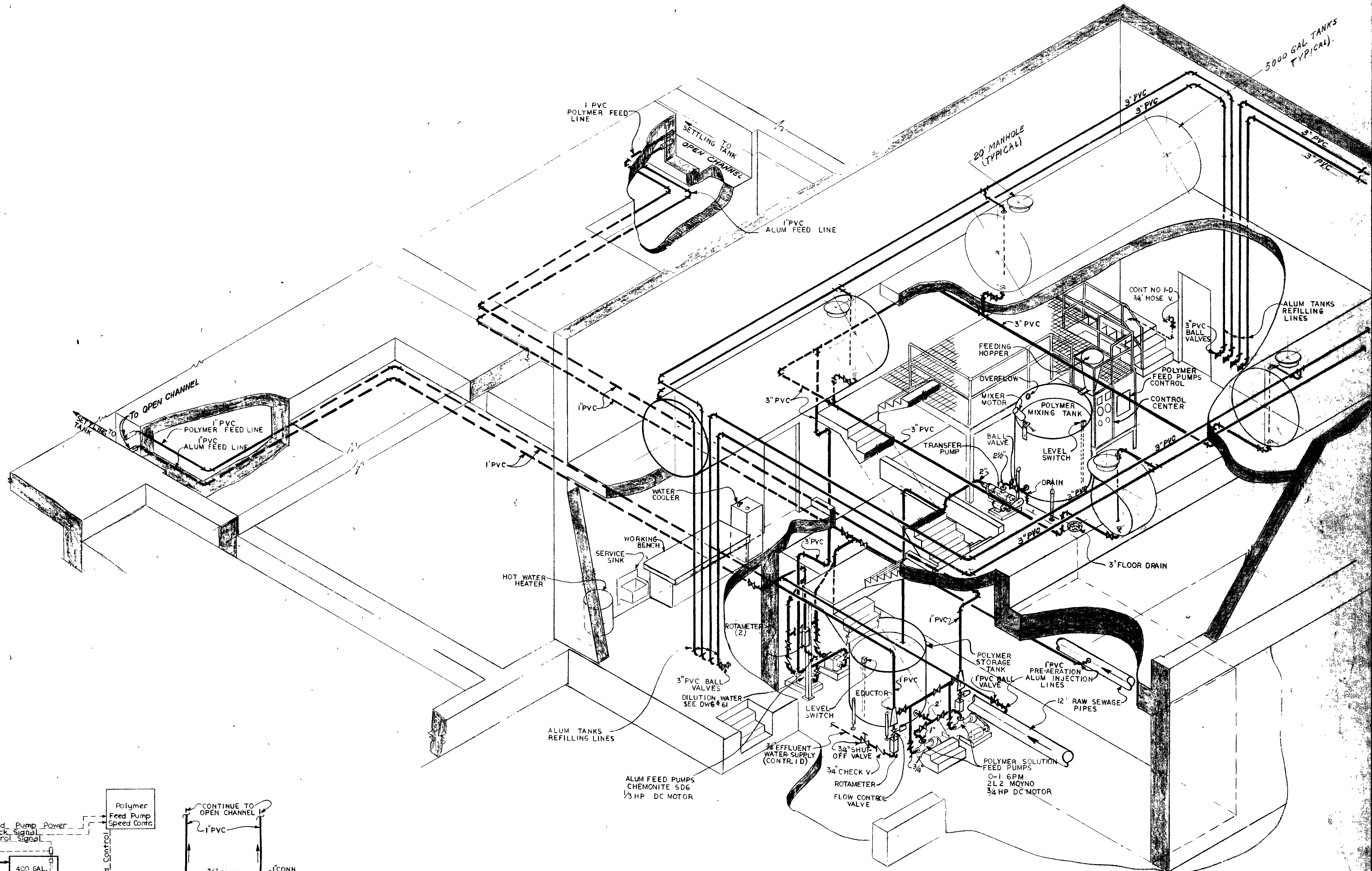
- GENERAL NOTES: (READ THE SPECIFICATIONS) CHEMICAL BLDG.**
- LIVE LOADS: ROOF 40 #/SF
SECOND 350 #/SF
FIRST 250 #/SF
 - FOUNDATION: DESIGN PRESSURE - 3000 #/SF
 - CONCRETE COVER OVER BASES
FOOTINGS 3" BEAMS 1 1/2" SLABS ON EARTH 2 1/2"
WALLS 2" STRUCTURAL SLABS 1"
 - CONCRETE BMS. TO HAVE MIN. 6" BEARING ON CONC. WALLS.
LINTLS: L-1 @ L-2 - 3/2" 3/2" x 3/2" x 9/16" - 4" MIN. BRG. ON MASONRY
L-3 - 3/2" 4" x 9/16" - 6" MIN. BRG. ON MASONRY
SEE ARCH. DRAWING #56 FOR LINTEL DETAILS.
 - OVER HEAD ROOFS TO HAVE 12 C 207 FRAME. SEE ARCH. DWGS FOR DETAILS. (L-4)

COLUMN SCHEDULE				
COLUMN MARK	A-1 A-3 D-1 D-3	B-1 D-3 C-1 C-3	A-2 D-2	B-2 C-2
T.O.S. @ ROOF				
NOM. FIN. 2ND FL.	W8x24	W8x24	W8x24	W8x24
1ST FL. EL. 384'-8"				
BASE PLATE	8	9	9	12
WIDTH	9	12	12	12
LENGTH	3/8	1	1	1 1/2
THICKNESS				

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
CHEMICAL BUILDING STRUCTURAL
TOWN OF CICERO ONONDAGA CO., N.Y.
BARTON, BROWN, CLYDE & LOGUIDICE
CONSULTING ENGINEERS & LAND SURVEYORS
NORTH SYRACUSE, NEW YORK
DATE: FEBRUARY 1975
SCALE: AS SHOWN
FILE NO.: 5532-62F

IN CHARGE OF: F.A.L.
DESIGNED BY: R.M.D.
DRAWN BY: R.M.D.
CHECKED BY: H.H.W.

ECKERLIN consulting
KLEPPER ENGINEERS
HAHN SYRACUSE, NY

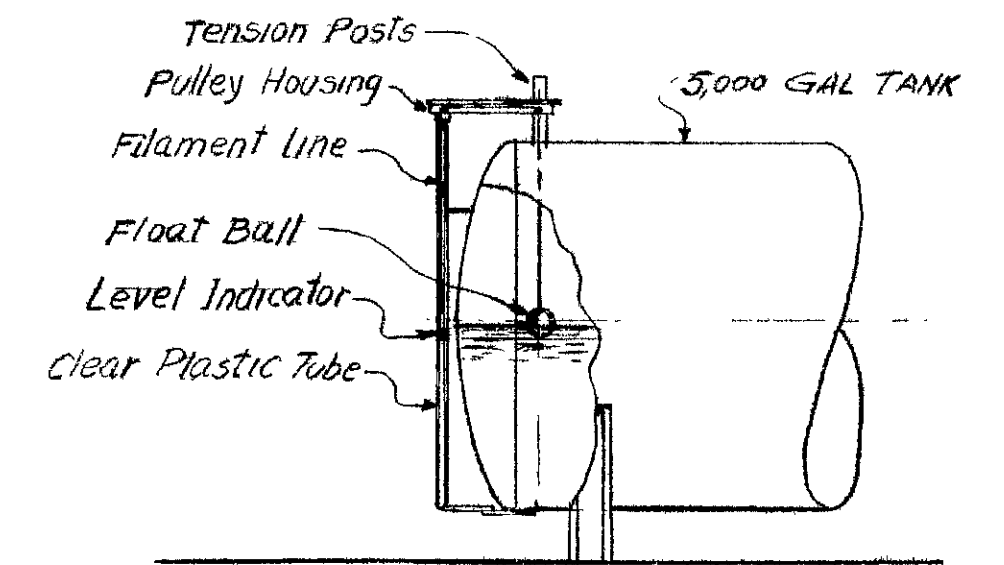
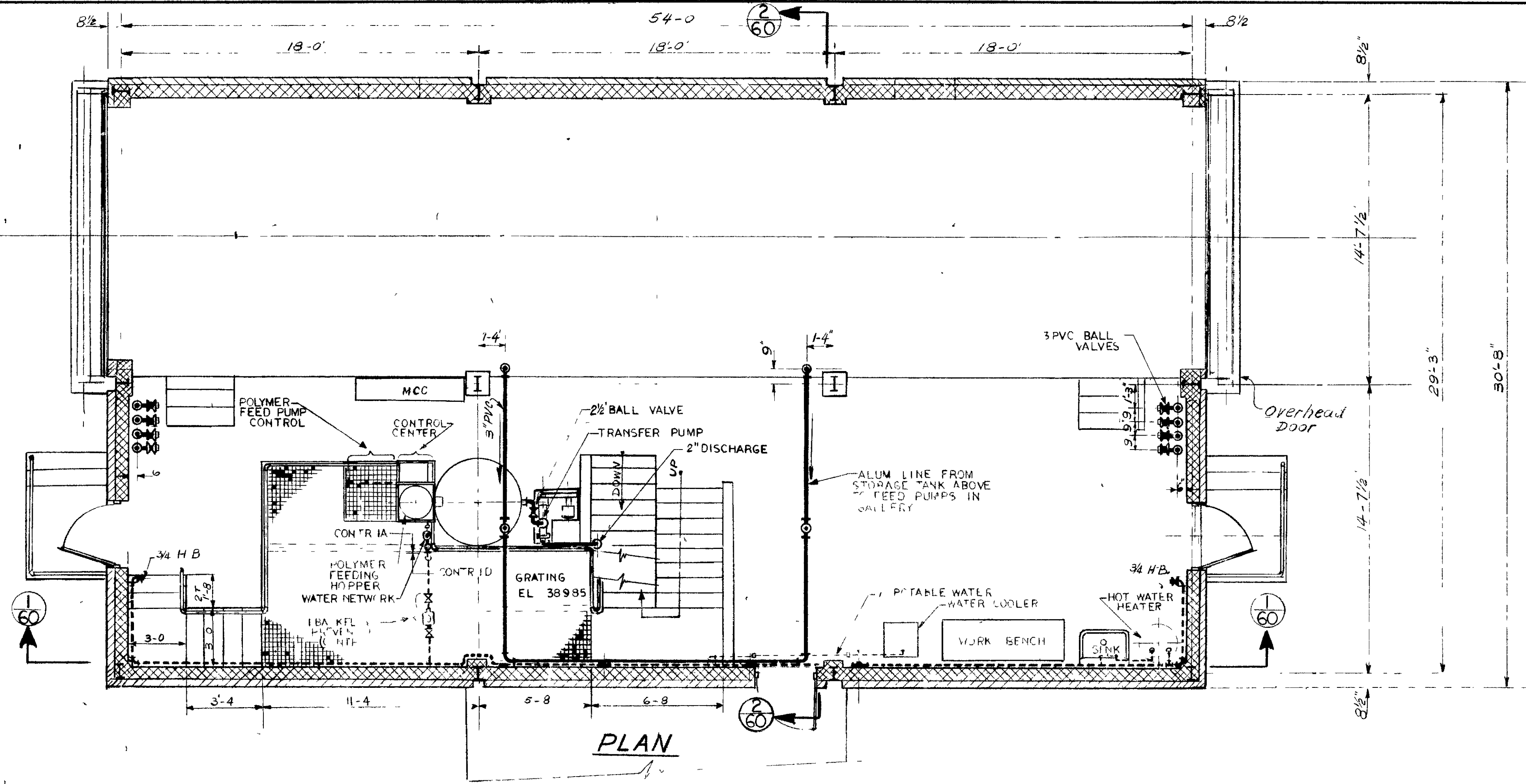


SCHEMATIC DIAGRAM
CHEMICAL STORAGE & SOLUTION

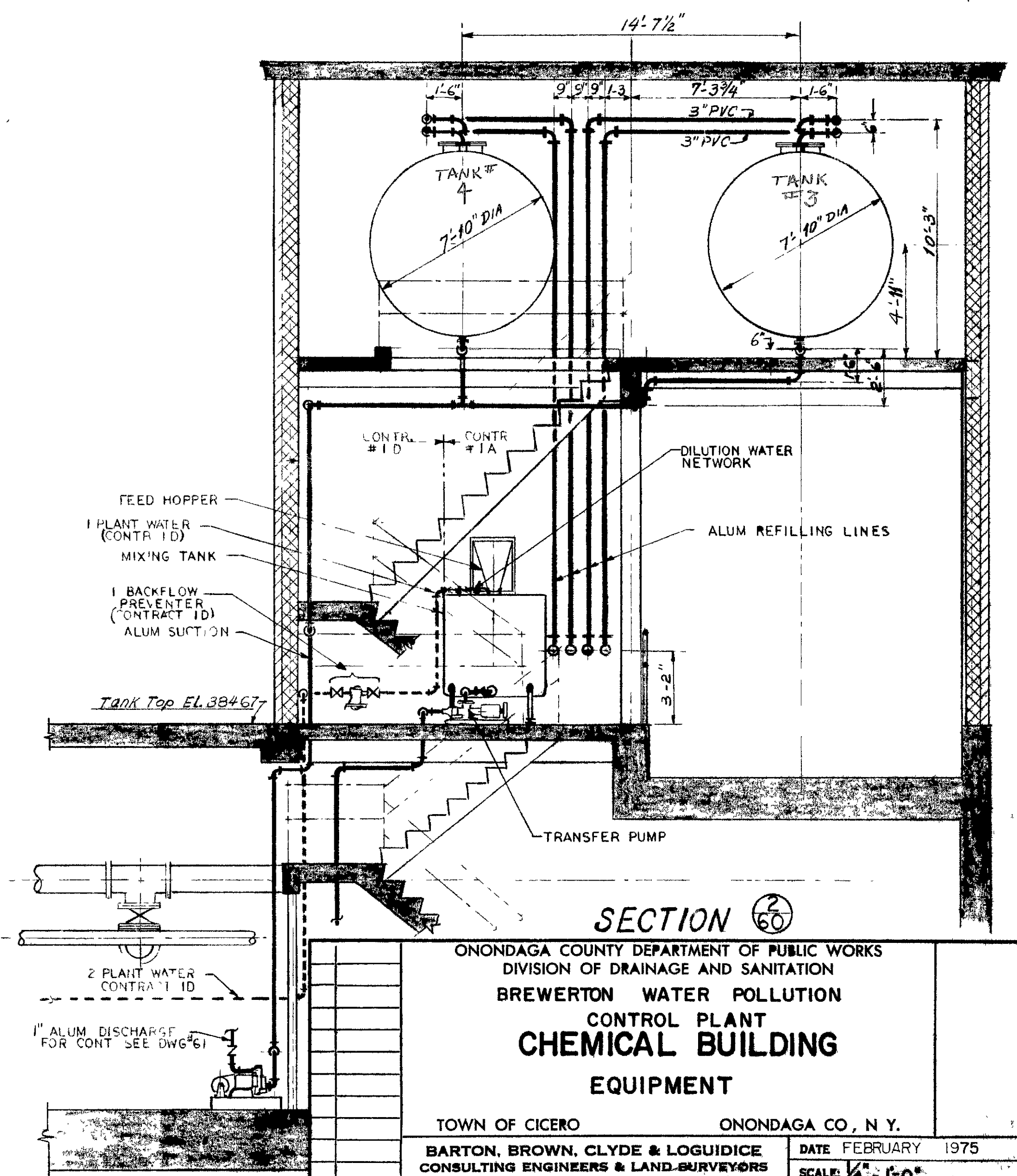
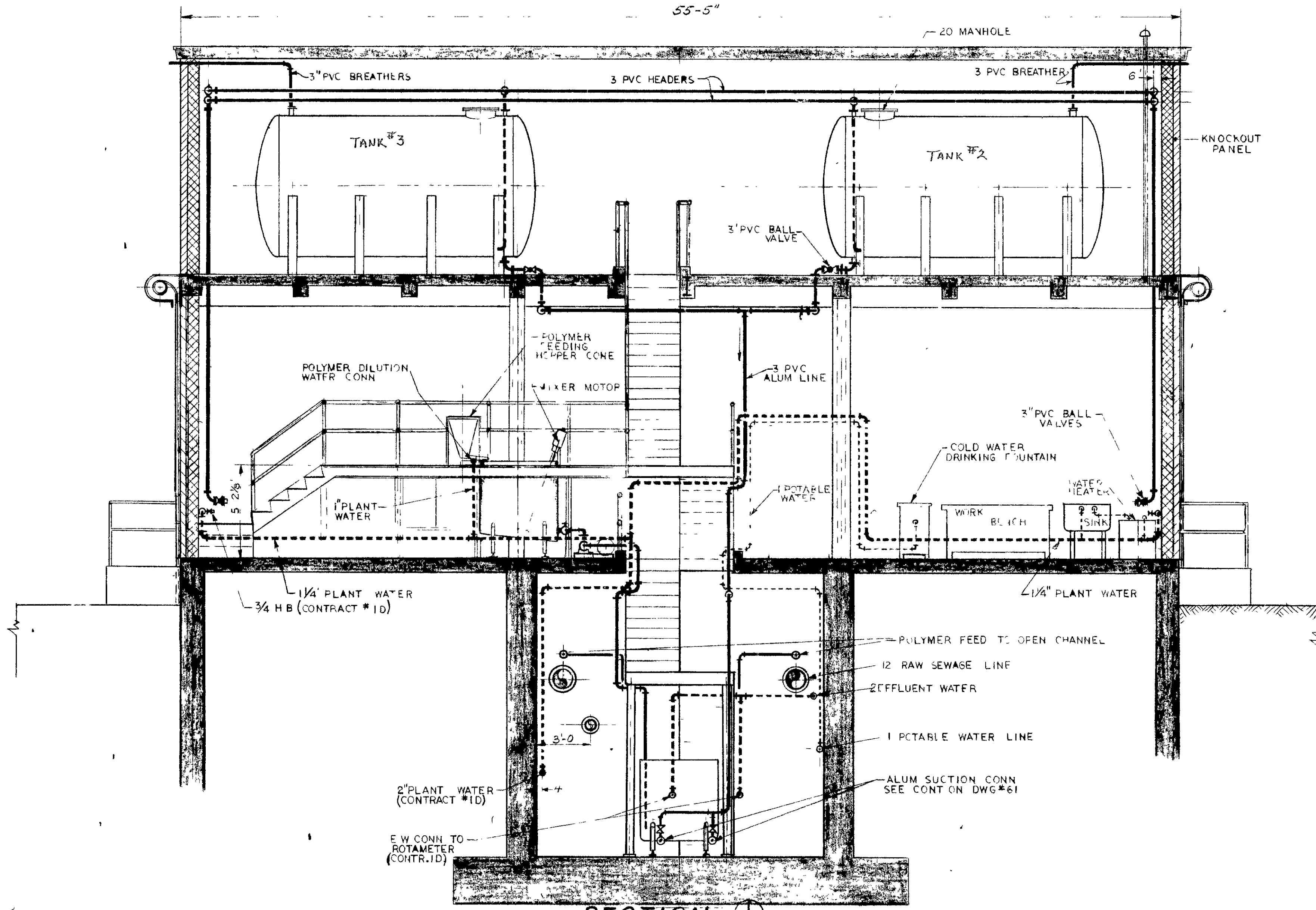
SCALE: NONE

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT CHEMICAL BUILDING PIPING SCHEMATIC	
TOWN OF CICERO ONONDAGA CO., N.Y.	
CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: NONE FILE NO.: 55-32-63F

IN CHARGE OF *FAL*
 DESIGNED BY *DCM*
 DRAWN BY *V.F.*
 CHECKED BY *[Signature]*



TYP LEVEL INDICATOR



IN CHARGE OF FAL
 DESIGNED BY DCM
 DRAWN BY VF
 CHECKED BY RMM

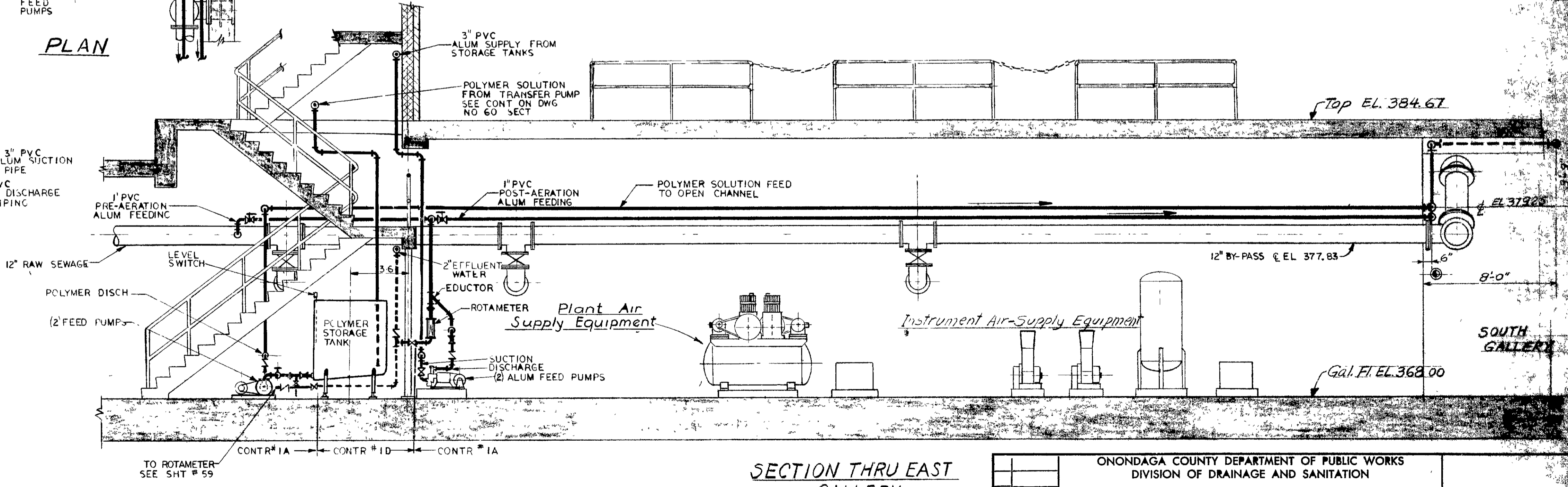
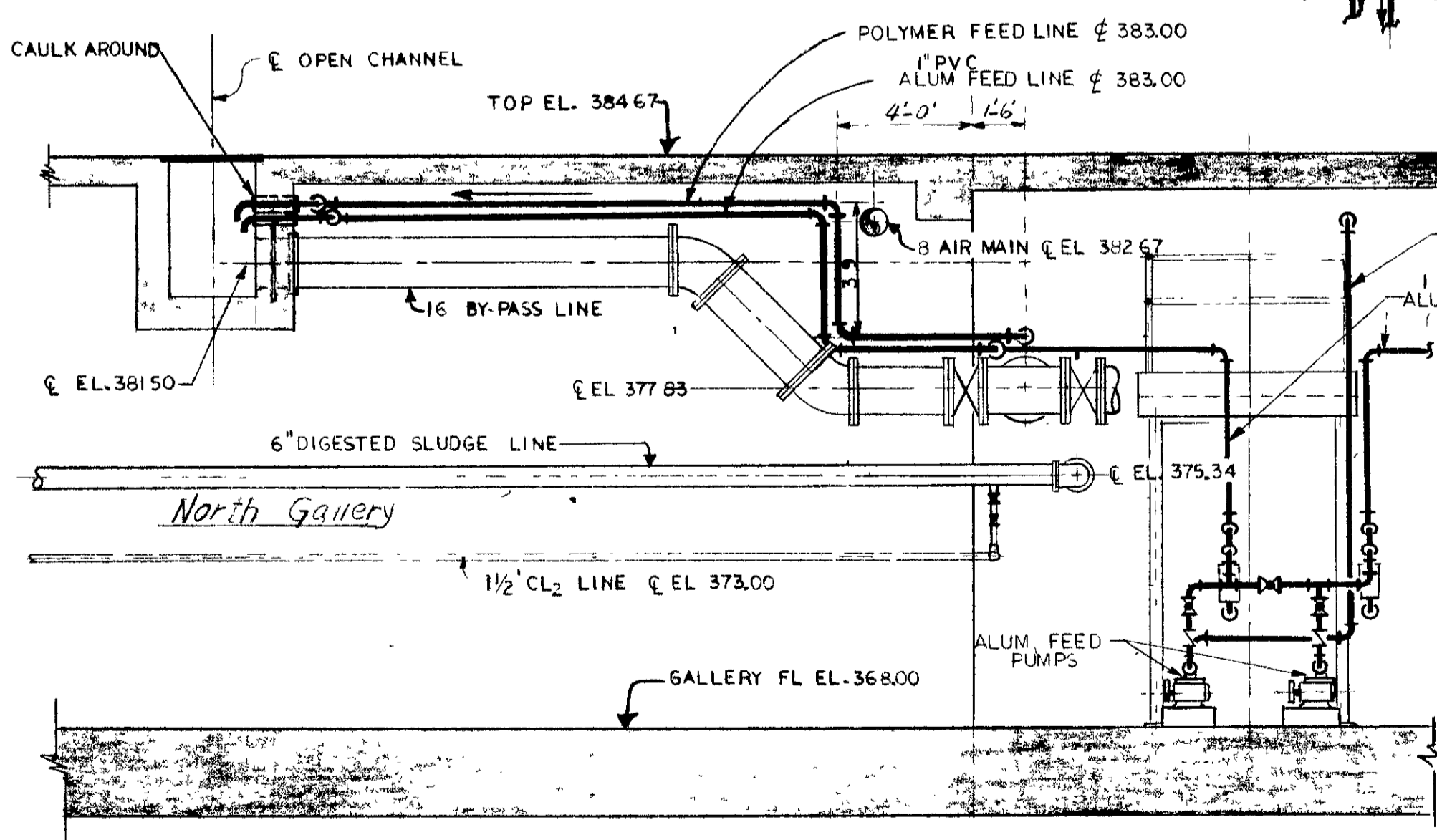
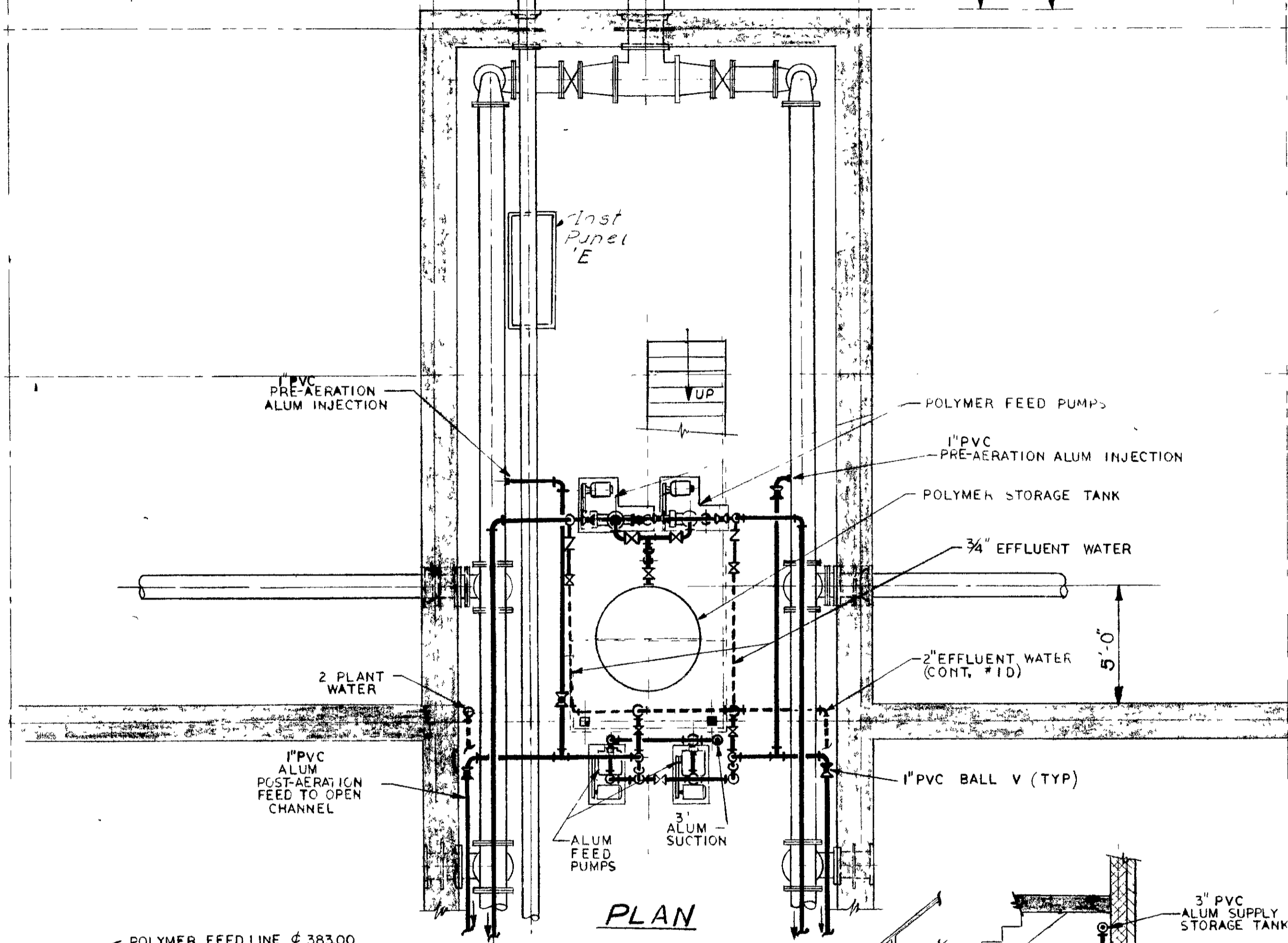
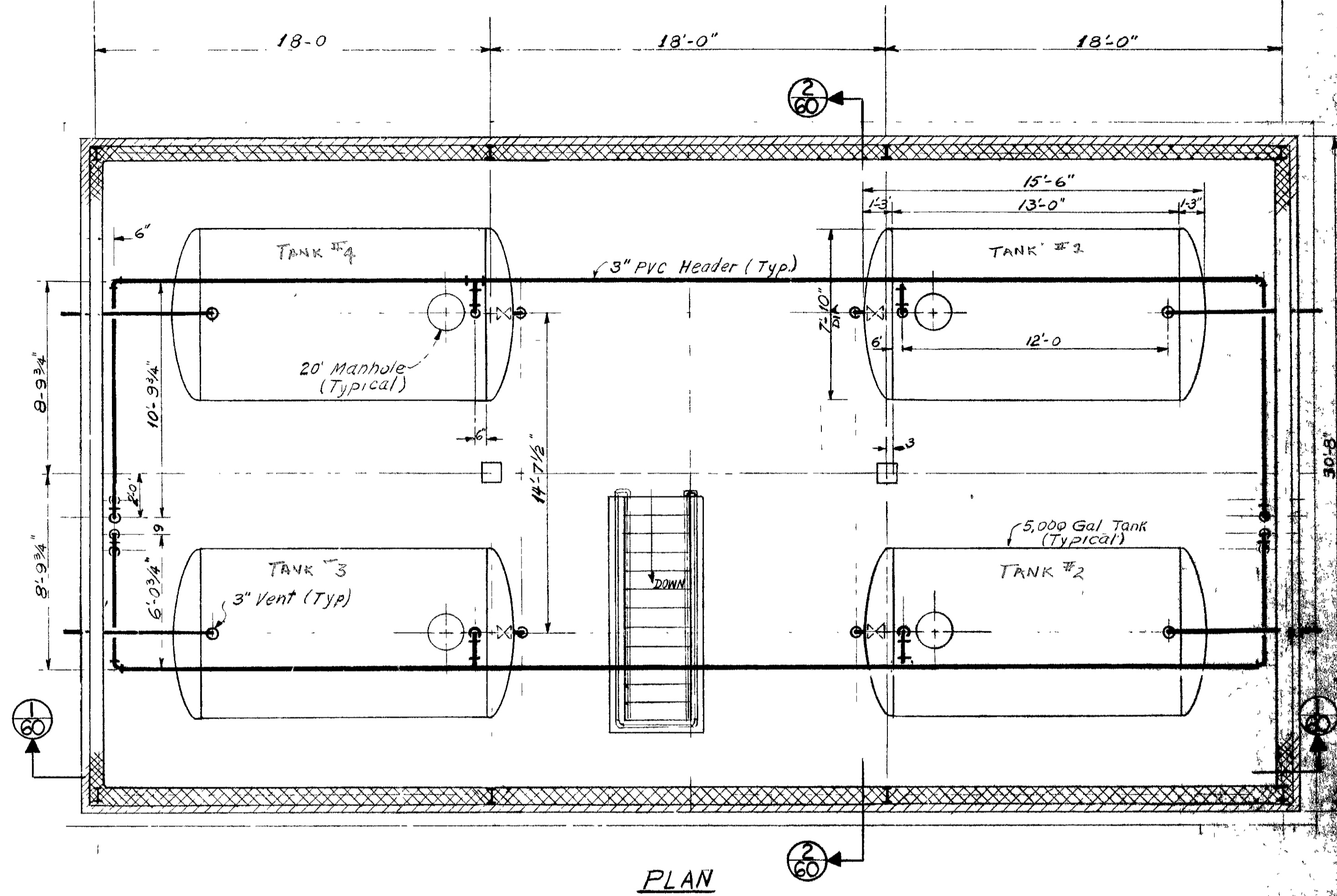
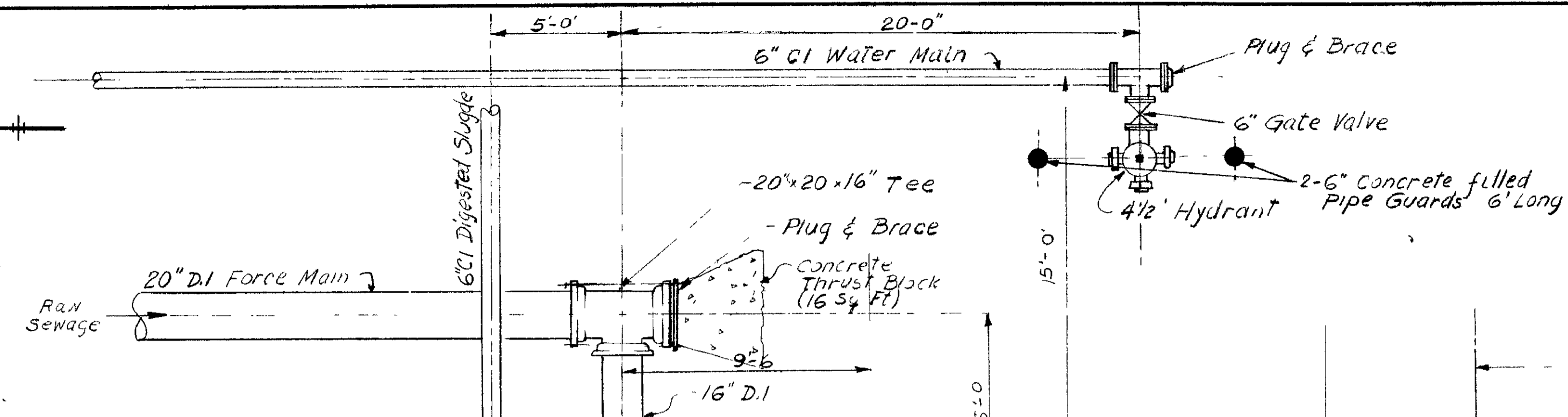
SECTION 60

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
**BREWERTON WATER POLLUTION
 CONTROL PLANT
 CHEMICAL BUILDING
 EQUIPMENT**

TOWN OF CICERO ONONDAGA CO., N. Y.

BARTON, BROWN, CLYDE & LOGIUDICE
 CONSULTING ENGINEERS & LAND SURVEYORS
 NORTH SYRACUSE, NEW YORK

DATE FEBRUARY 1975
 SCALE 1/4" = 1'-0"
 FILE NO. 5532-64F



SECTION THRU NORTH GALLERY

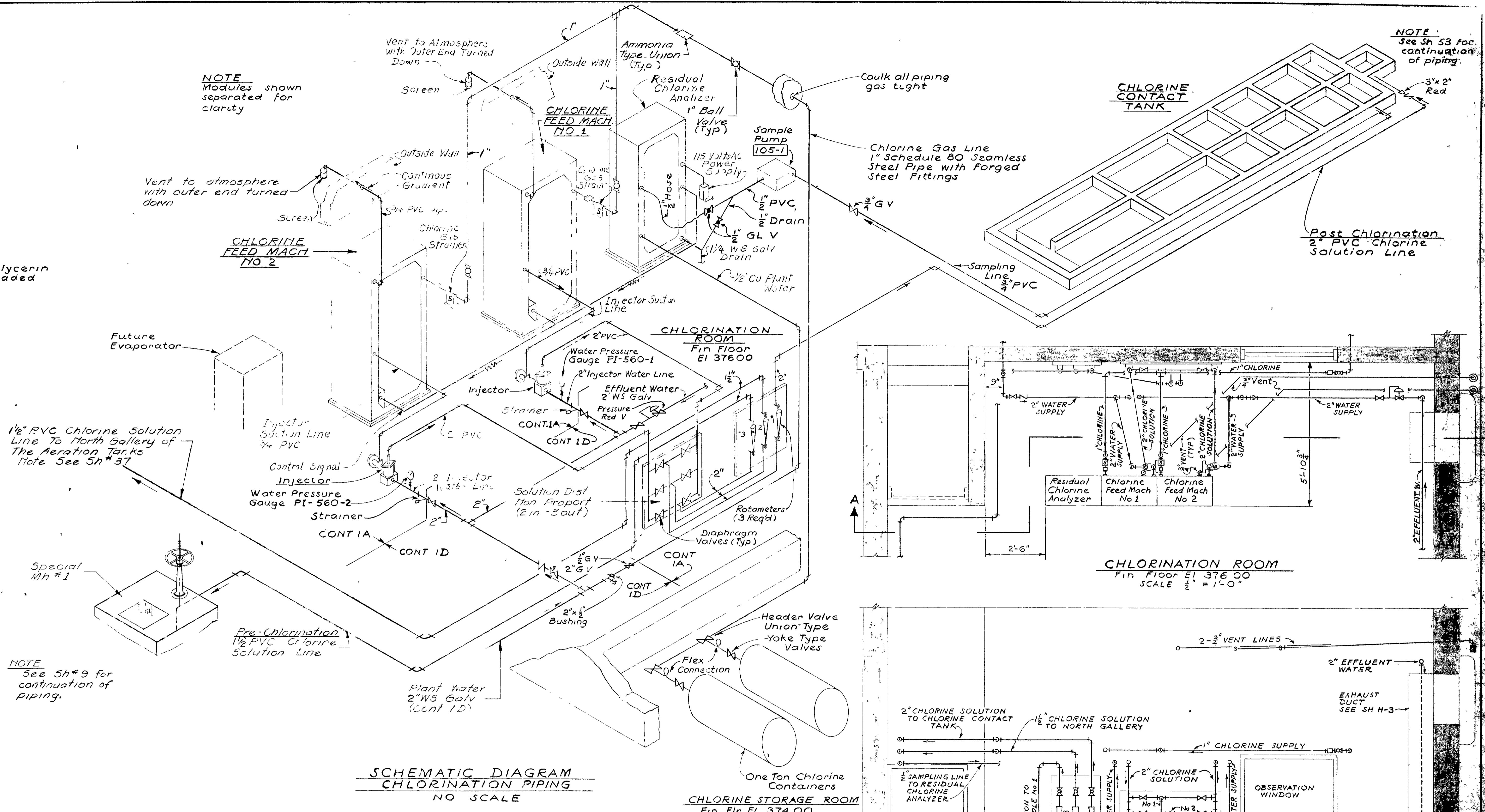
SECTION THRU EAST GALLERY

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION BREWERTON WATER POLLUTION CONTROL PLANT CHEMICAL BUILDING EQUIPMENT	
TOWN OF CICERO ONONDAGA CO., N.Y.	DATE: FEBRUARY 1975 SCALE: 1/4" = 1'-0" FILE NO: 55 32-65F
IN CHARGE OF: F.A.L. DESIGNED BY: D.C.M. DRAWN BY: V.F. CHECKED BY: D.M.M.	
REVISIONS	

NOTE: See Sh 53 for continuation of piping.

NOTE: Modules shown separated for clarity

NOTE: Use Litharge and Glycerin Cement on all threaded joints

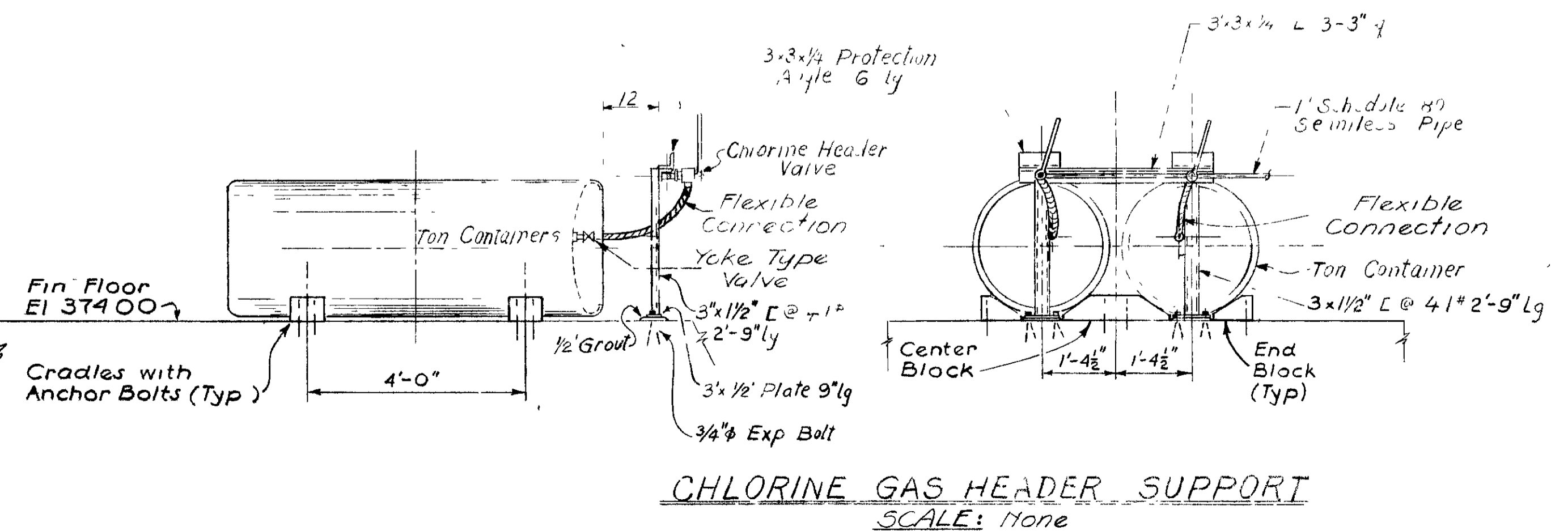


NOTE: See Sh #9 for continuation of piping.

SCHMATIC DIAGRAM CHLORINATION PIPING
NO SCALE

CHLORINATION ROOM
Fin Floor EI 376 00
SCALE 1/2" = 1'-0"

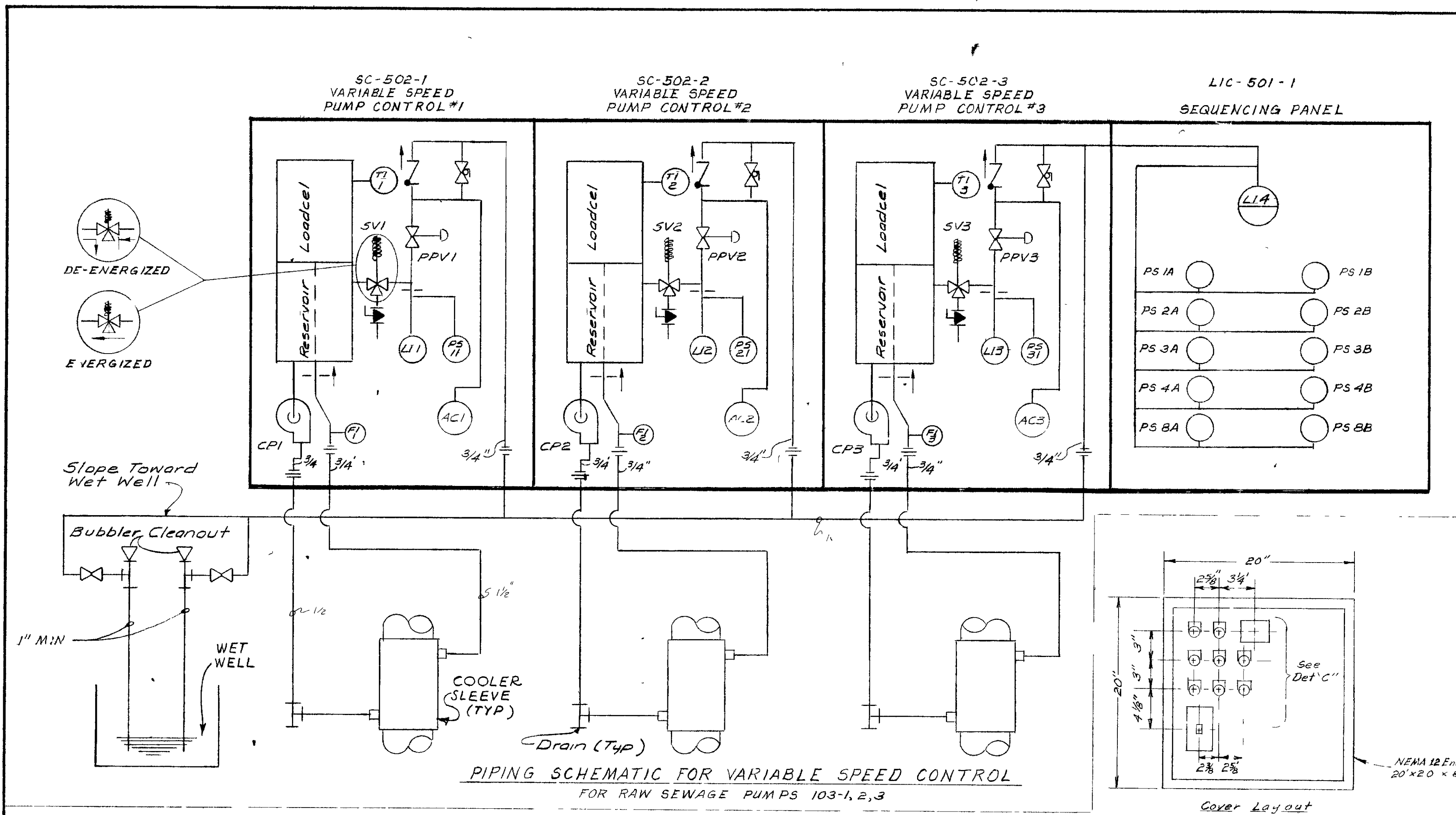
SECTION A-A
SCALE 1/2" = 1'-0"



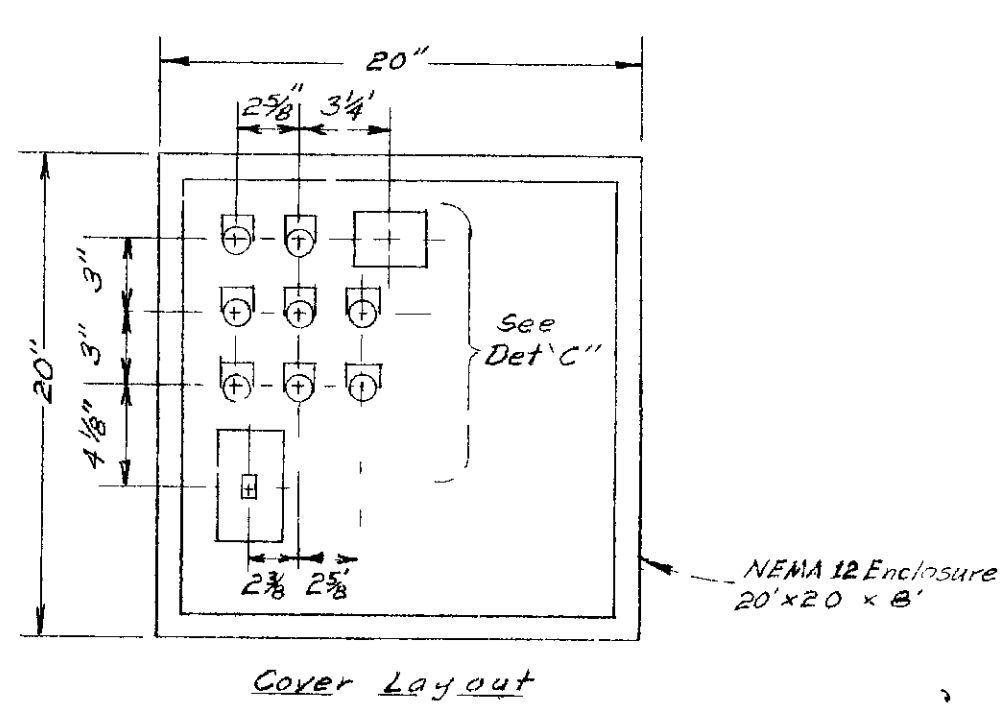
CHLORINE GAS HEADER SUPPORT
SCALE: None

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF DRAINAGE AND SANITATION	
BREWERTON WATER POLLUTION CONTROL PLANT	
SCHMATIC CHLORINATION PIPING	
TOWN OF CICERO	ONONDAGA CO, N Y
BARTON, BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK	DATE: FEBRUARY 1975 SCALE: AS SHOWN FILE NO. 55 32-66F

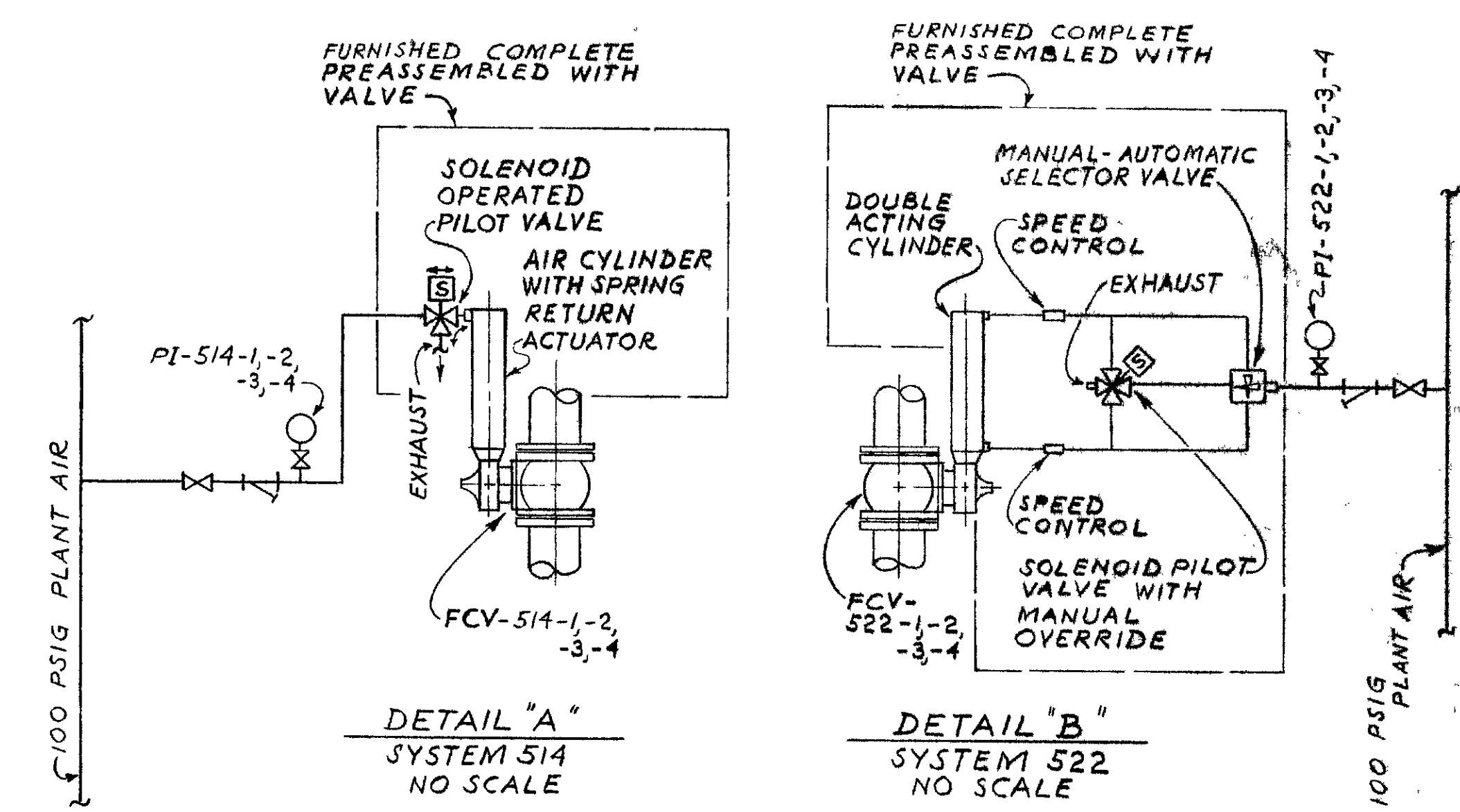
IN CHARGE OF FAL
DESIGNED BY DCM
DRAWN BY VF
CHECKED BY [Signature]



PIPING SCHEMATIC FOR VARIABLE SPEED CONTROL FOR RAW SEWAGE PUMPS 103-1, 2, 3



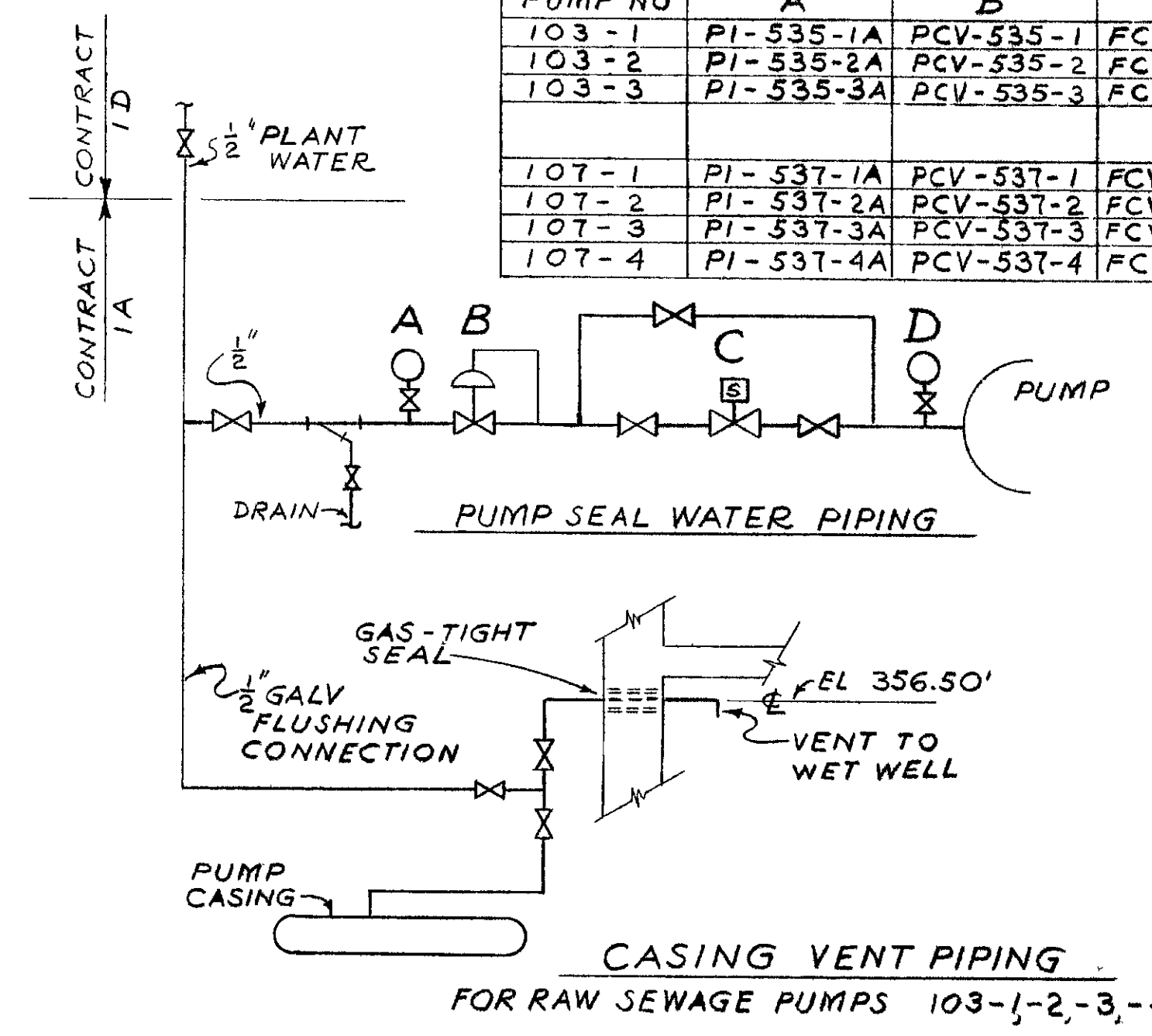
Cover Layout



DETAIL "A" SYSTEM 514 NO SCALE

DETAIL "B" SYSTEM 522 NO SCALE

PUMP NO	INSTRUMENT TAG NUMBERS			
	A	B	C	D
103-1	PI-535-1A	PCV-535-1	FCV-536-1	PI-535-1B
103-2	PI-535-2A	PCV-535-2	FCV-536-2	PI-535-2B
103-3	PI-535-3A	PCV-535-3	FCV-536-3	PI-535-3B
107-1	PI-537-1A	PCV-537-1	FCV-538-1	PI-537-1B
107-2	PI-537-2A	PCV-537-2	FCV-538-2	PI-537-2B
107-3	PI-537-3A	PCV-537-3	FCV-538-3	PI-537-3B
107-4	PI-537-4A	PCV-537-4	FCV-538-4	PI-537-4B



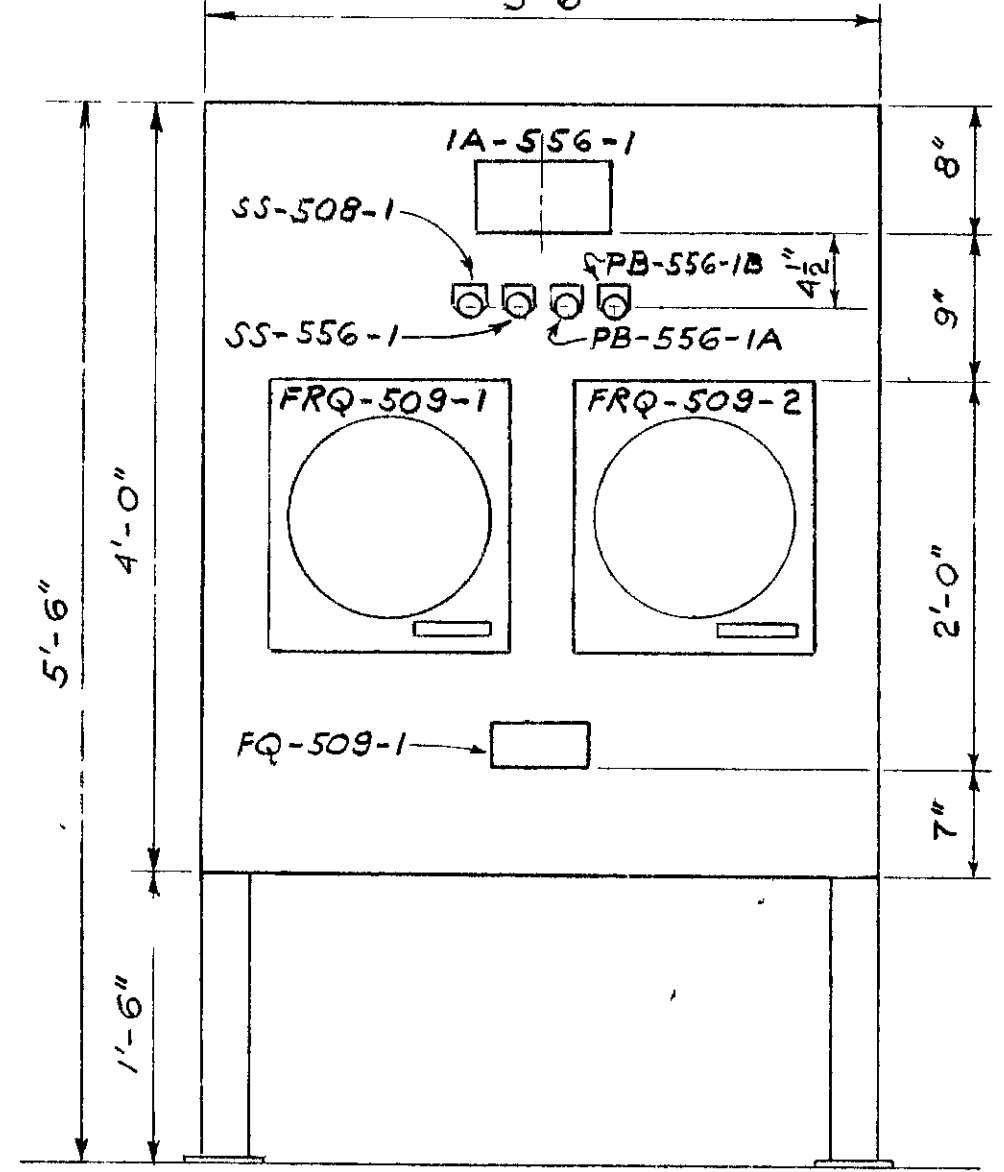
CASING VENT PIPING FOR RAW SEWAGE PUMPS 103-1, 2, 3, 4 ONLY.

SEE FLOMATCHER DRAWINGS
SCHEDULE OF PANELS

NUMBER	LOCATION	SHEET	SERVICE	TYPE	DETAIL SPEC NO	NOTES
A 1	CONTROL BUILDING CONTROL ROOM	67	PUMPING STATIONS FLOW & ALARMS	1	49	
A 2	CONTROL BUILDING CONTROL ROOM	67	SANITARY DISTRICT GRAPHIC DISPLAY	1	49	
A 3	CONTROL BUILDING CONTROL ROOM	67	TREATMENT PROCESS CONTROL	1	49	
A 4	CONTROL BUILDING CONTROL ROOM	67	TREATMENT PLANT GRAPHIC DISPLAY & ALARMS	1	49	
A 5	CONTROL BUILDING CONTROL ROOM	67	BLOWER OPERATION & ALARMS	1	49	
B	CONTROL BUILDING BLOWER ROOM	47	BLOWER RECYCLE & AIR FLOW CONTROL	2	49	
C 1	AERATION TANKS NORTH GALLERY	40	RETURN SLUDGE STEP FLOW	4	49	
C 2	AERATION TANKS SOUTH GALLERY	41	RETURN SLUDGE STEP FLOW	4	49	
D 1	AERATION TANKS NORTH GALLERY	E-7	RETURN SLUDGE PUMPS SPEED CONTROL	2	45	
D 2	AERATION TANKS SOUTH GALLERY	E-7	RETURN SLUDGE PUMPS SPEED CONTROL	2	45	
E	CHEMICAL BUILDING GALLERY	61	RAW SEWAGE FLOW TRANSMITTERS	2	49	
F	CONTROL BUILDING BLOWER ROOM	47	AERATION BLOWERS SURGE CONTROL	3	45	PANEL DESIGNED AND FURNISHED BY AERATION BLOWER MANUFACTURER
G 1	CONTROL BUILDING BLOWER ROOM	E-4	AIR PURIFICATION - GENERAL	3	45	
G 2	CONTROL BUILDING BLOWER ROOM	E-4	AIR PURIFICATION - FILTER OPERATION	3	45	PANEL DESIGNED AND FURNISHED BY FILTER MANUFACTURER
H	RAW SEWAGE PUMPING STATION CHLORINATION ROOM	E-9	CHLORINATION FLOW & ALARMS	2	45	PANEL FURNISHED BY SUPPLIER OF CHLORINATION EQUIPMENT

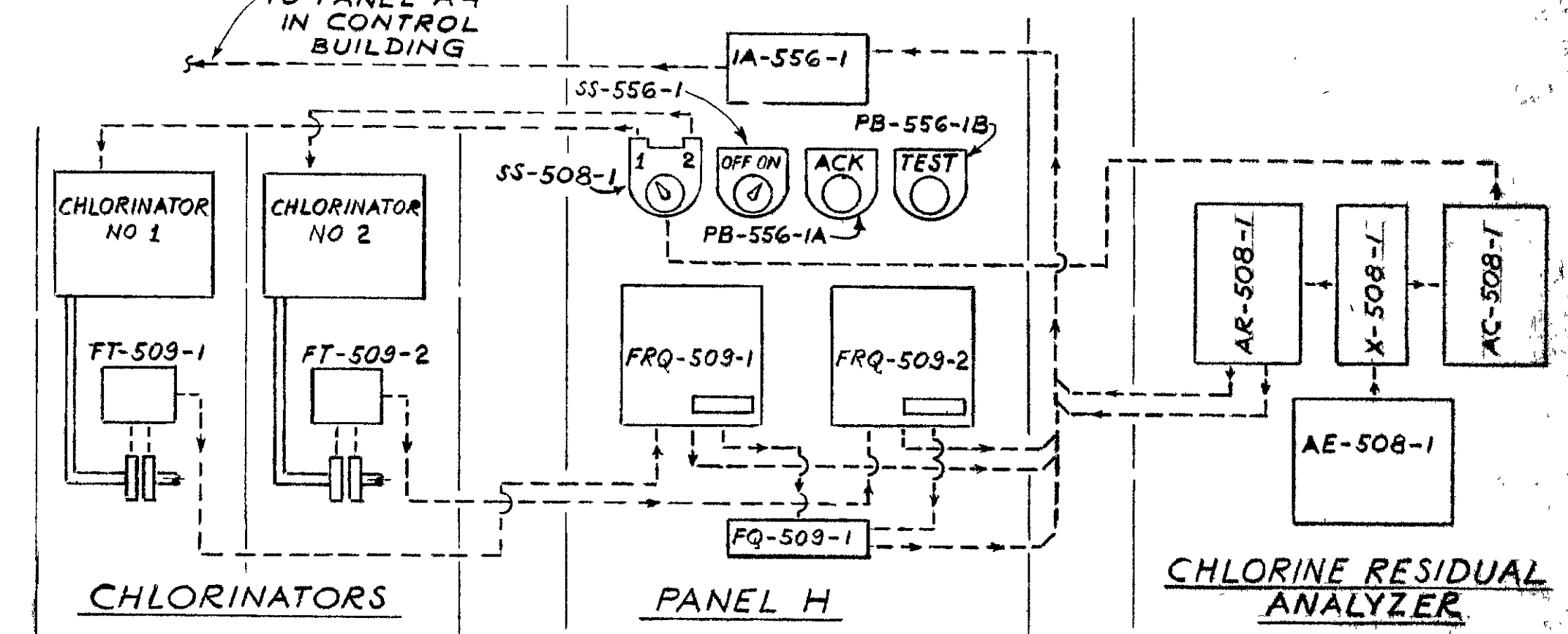
TYPES 1 - ENCLOSED, FREE STANDING 2 - OPEN, FREE STANDING
3 - ENCLOSED, WALL MOUNTED 4 - OPEN, WALL MOUNTED

SEE BOMAC DWG'S
PANEL G-1 NO SCALE



PANEL H Scale 1"=1'-0"

SEE F&P DWG'S J10



CHLORINATION - CONNECTION DIAGRAM NO SCALE

SEE F&P DWG'S J10

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE AND SANITATION
BREWERTON WATER POLLUTION CONTROL PLANT
SCHEMATIC DIAGRAMS
MISCELLANEOUS

TOWN OF CICERO ONONDAGA CO., N. Y.

BARTON BROWN, CLYDE & LOGUIDICE CONSULTING ENGINEERS & LAND SURVEYORS NORTH SYRACUSE, NEW YORK

DATE: FEBRUARY 1975
SCALE: NONE
FILE NO: 5532-67F

IN CHARGE OF FAL
DESIGNED BY DCM
DRAWN BY PJ
CHECKED BY [Signature]