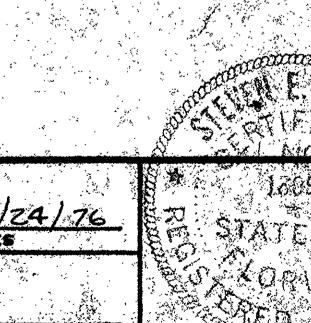
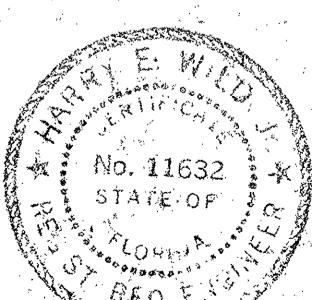


PLAN BELOW OPERATING PLATFORM LEVEL

SCA1 E: $3/8'' = 1'' - 0''$



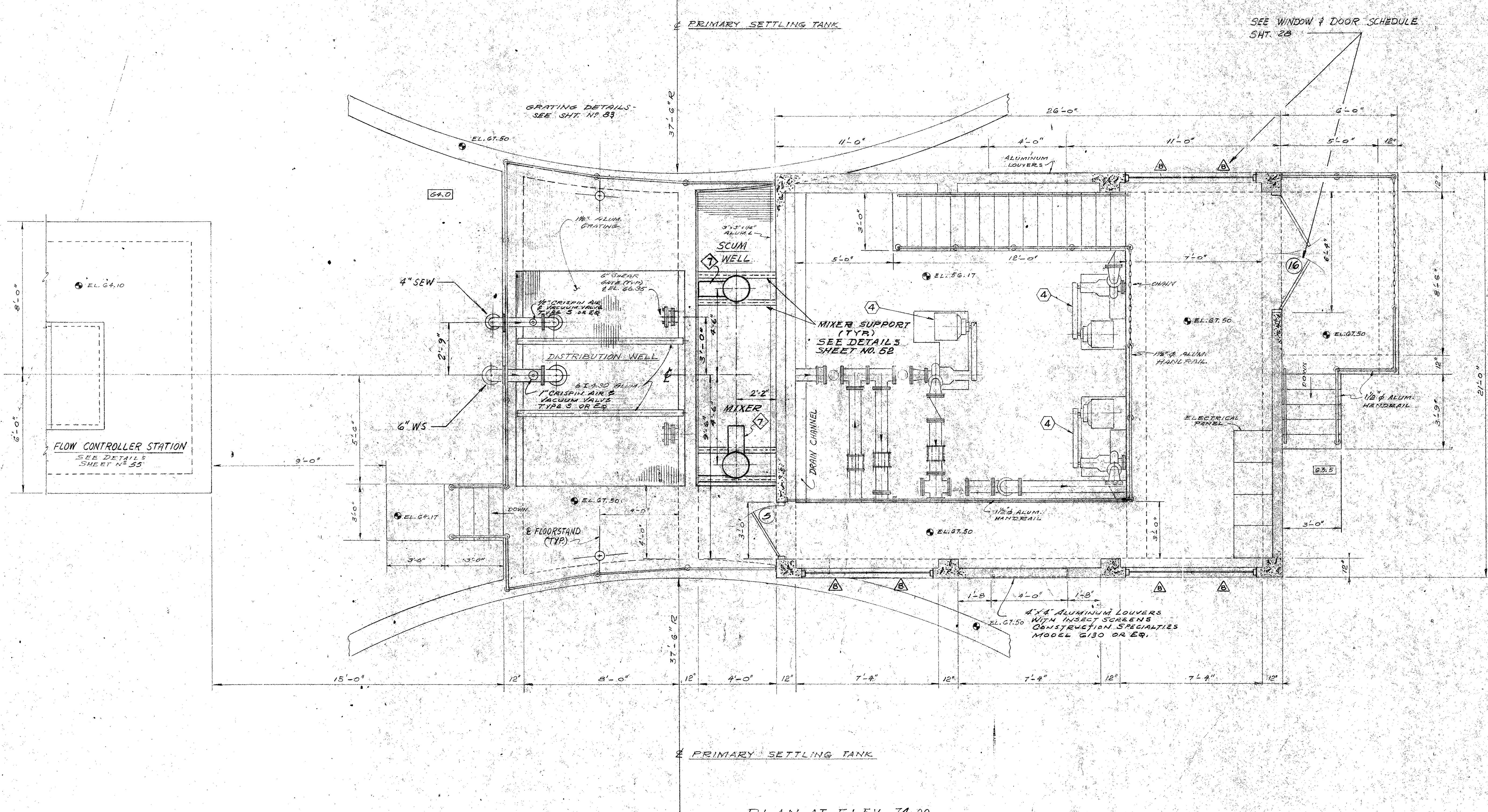
Briley, Wild & Associates
CONSULTING ENGINEERS
TONA BEACH, FLA. CLEARWATE

**NORTHEAST WASTEWATER TREATMENT FACILITY
PRIMARY SETTLING TANKS-DETAILS
CLEARWATER, FLORIDA**

REV. NO.	DATE	REVISION	BY	DESIGNED	SET	SUBMITTED:
				DRAWN	REV. S/N	BRILEY, WILD & ASSOCIATES
				CHECKED	A	APPROVED:
3/9/76	REVISED CONTROL, STA. 30 PIPE & NOTES.	GH				Steven E. Thayer 3/24/

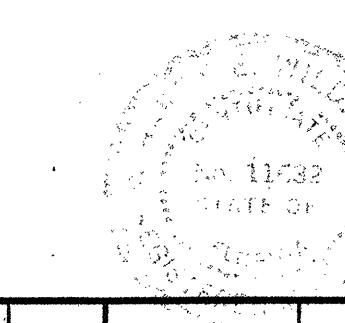
SCALE IN FEET
SCALE: $\frac{3}{8}$ " = 1' - 0"

DEC. 1975	PROJ. NO.
3/8" = 1'-0"	7236-21
NO. 50 OF 142	FILE NO.
	M-8421



PLAN AT ELEV. 74.0

SCALE: $\frac{3}{8}'' = 1'$



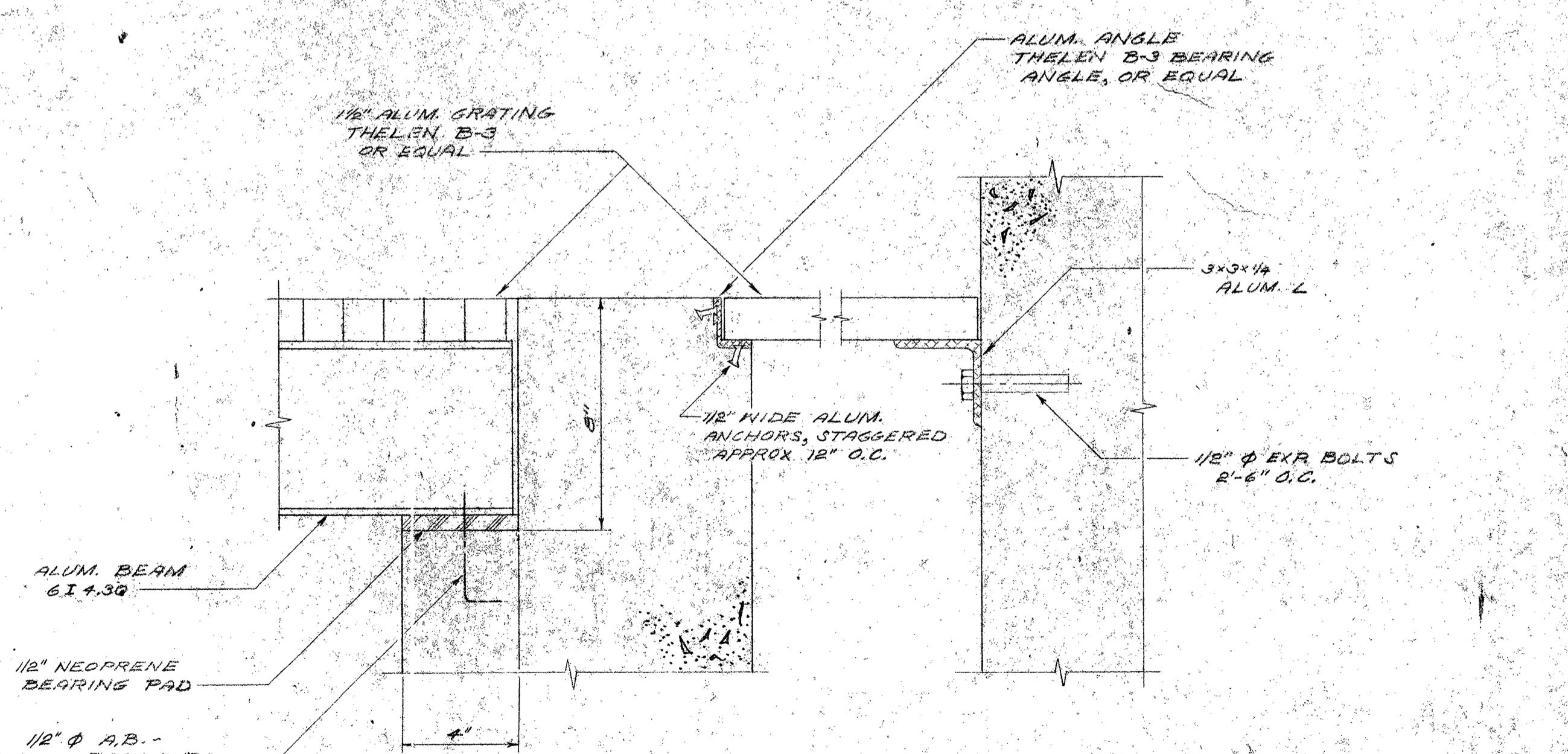
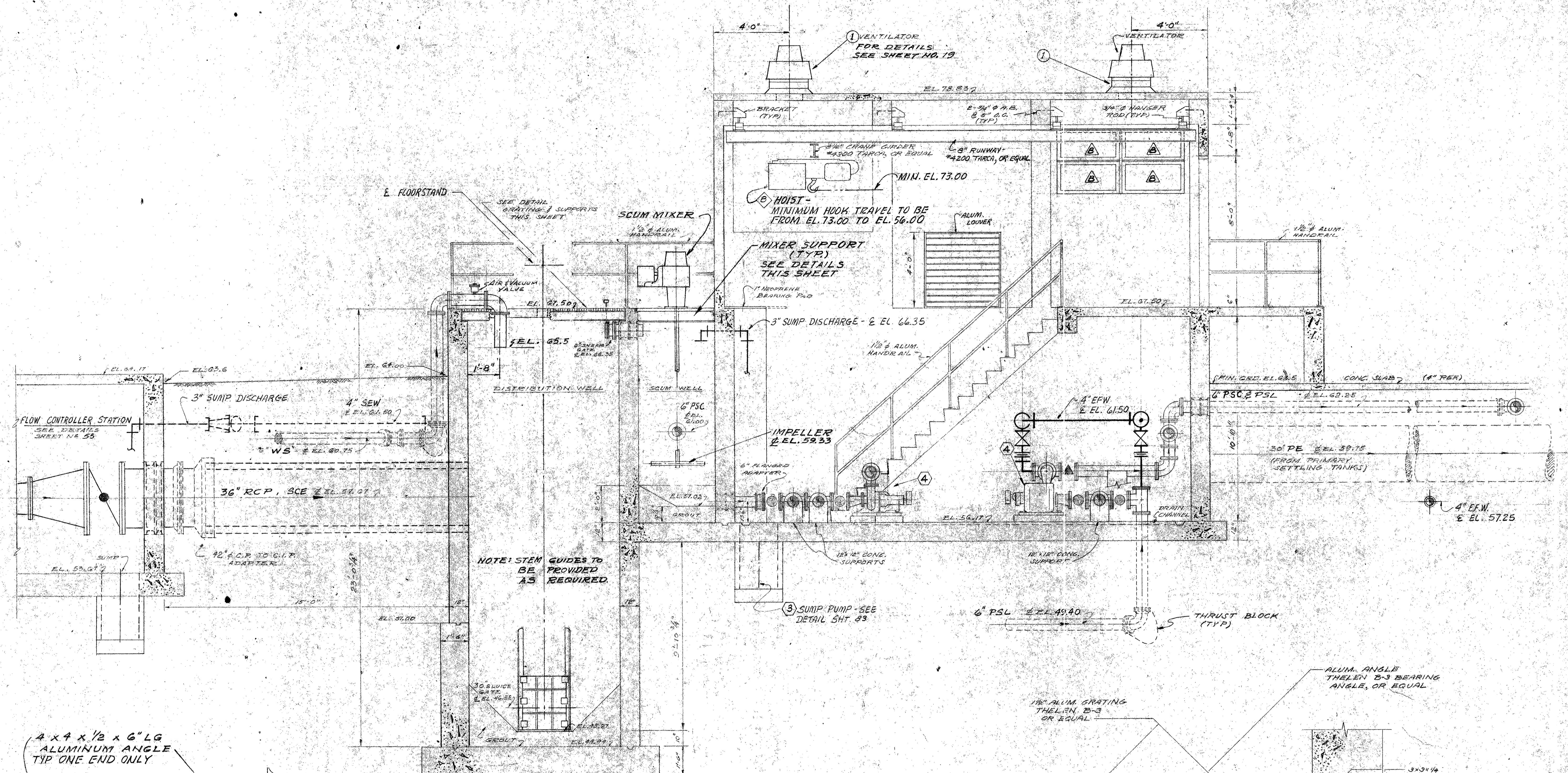
SUBMITTED:	
<i>Steven E. Thayer</i> 3/24/76 <u>BRILEY, WILD & ASSOCIATES</u>	
APPROVED:	
<i>John J. Wild</i> <hr/> <hr/>	

Briley, Wild & Associate
CONSULTING ENGINEERS

DAYTONA BEACH, FL

**NORTHEAST WASTEWATER TREATMENT FACILITY
PRIMARY SETTLING TANKS - DETAILS
CLEARWATER, FLORIDA**

0		2	4	6	8
SCALE IN FEET					
SCALE: $\frac{3}{8}$ " = 1' - 0"					
DEC 1975			PROJ. NO.		
3/8" = 1' - 0"			7236-2A		
			FILE NO.		
NO. 51 OF 142			M-8422		



DETAIL - GRATING & SUPPORTS

SEARCHED INDEXED

MIXER SUPPORT DETAILS

SCALE: 3" = 1'-0"

REV. NO.	DATE	REVISION

3/9/76 ADDED MIXER SUPPORT, REVISED CONTR. SIR.

DESIGNED	<i>Set</i>	SUBMITTED:
DRAWN	<i>CH</i> <i>RWJ J.W.</i>	<i>Steven E. John</i> BRILEY, WILSON
CHECKED		APPROVED:

A circular postmark from Dayton, Ohio, featuring a portrait of George Washington.

Bri

Briley

Wild
CONSULTIN

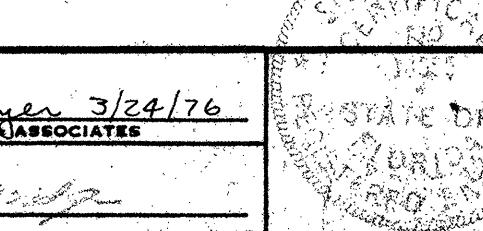
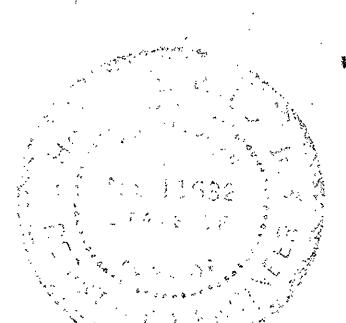
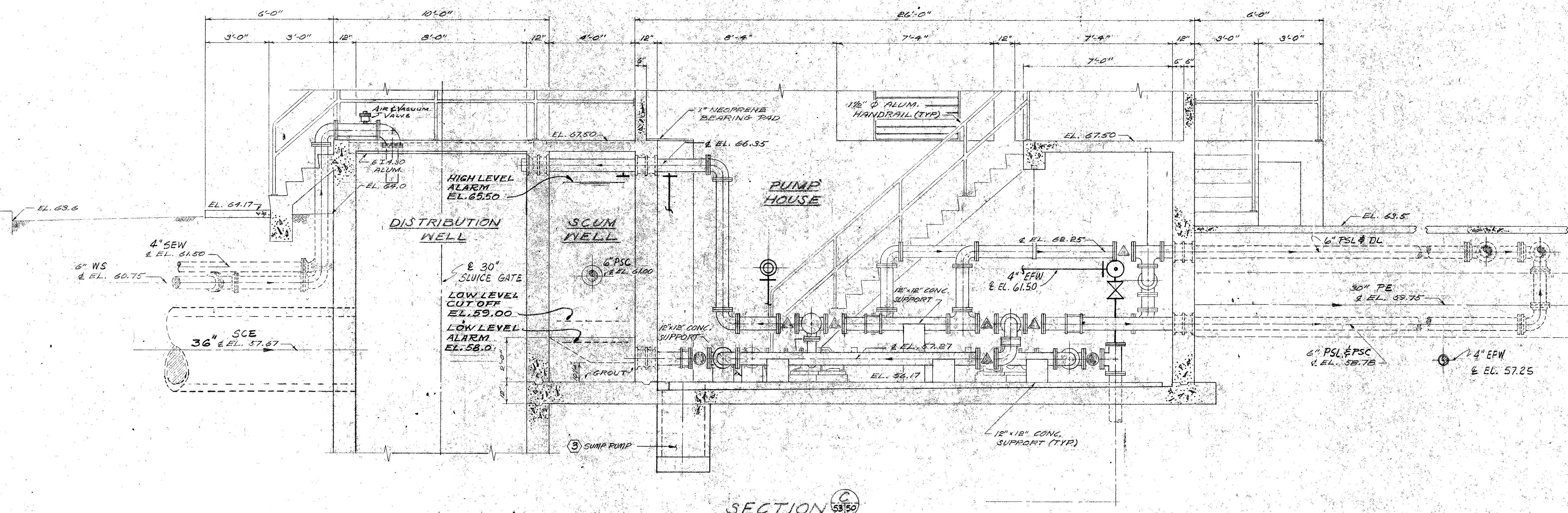
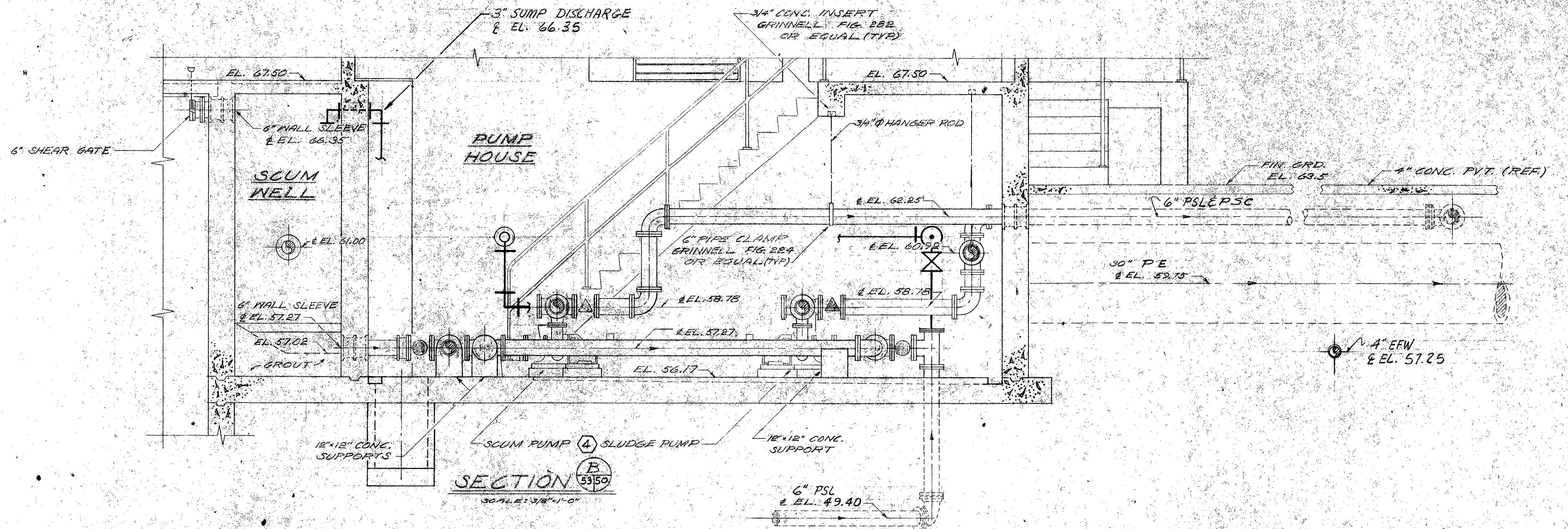
E A
ING ENGINEERS

CLEARWAY

INTER-FLA.

**NORTHEAST WASTEWATER TREATMENT FACILITY
PRIMARY SETTLING TANKS - DETAILS
CLEARWATER, FLORIDA**

DATE: DEC. 1975	PROJ. NO.
SCALE: AS SHOWN	FILE NO.
SHEET NO. 52 OF 142	M - 8423

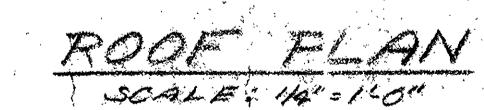
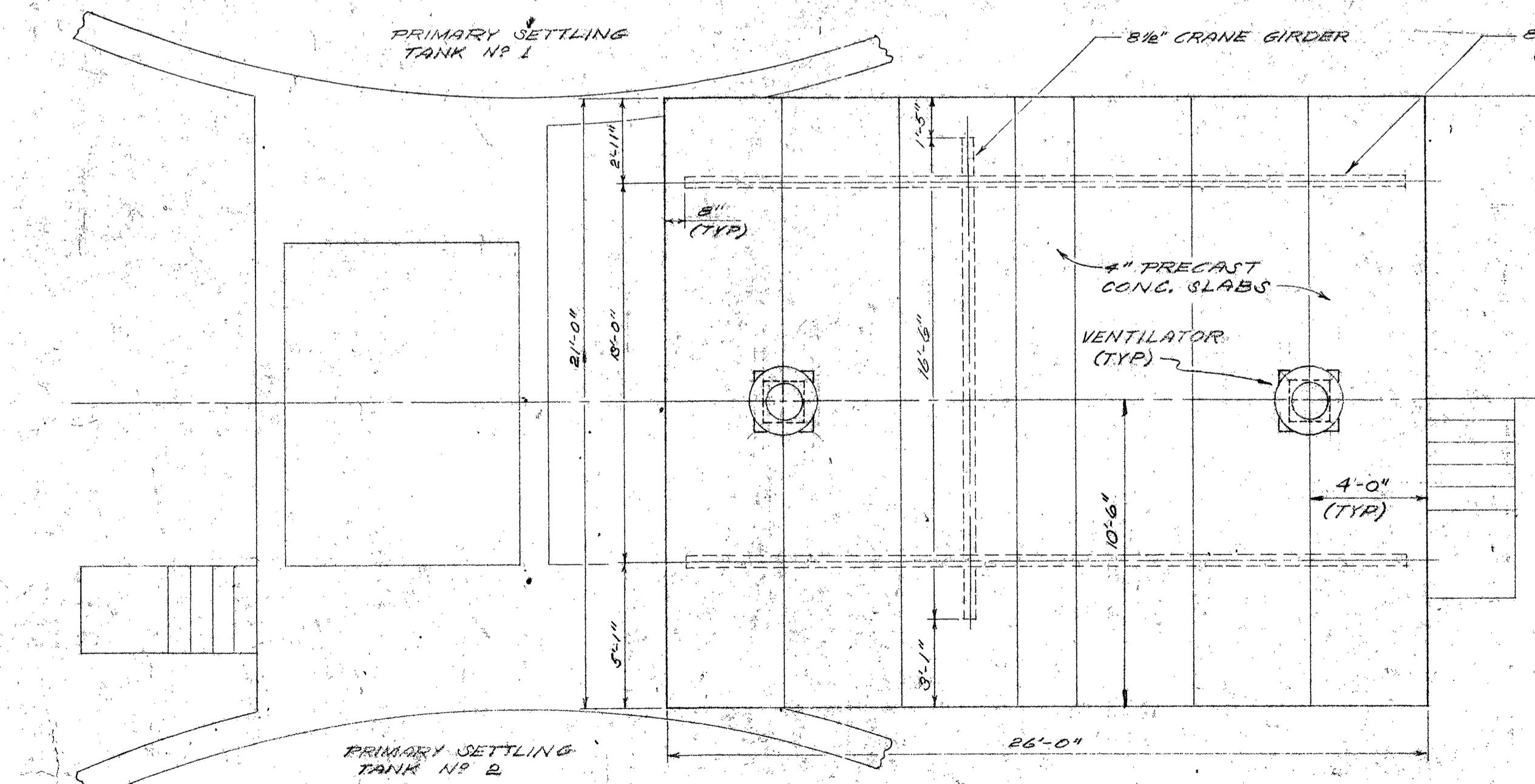
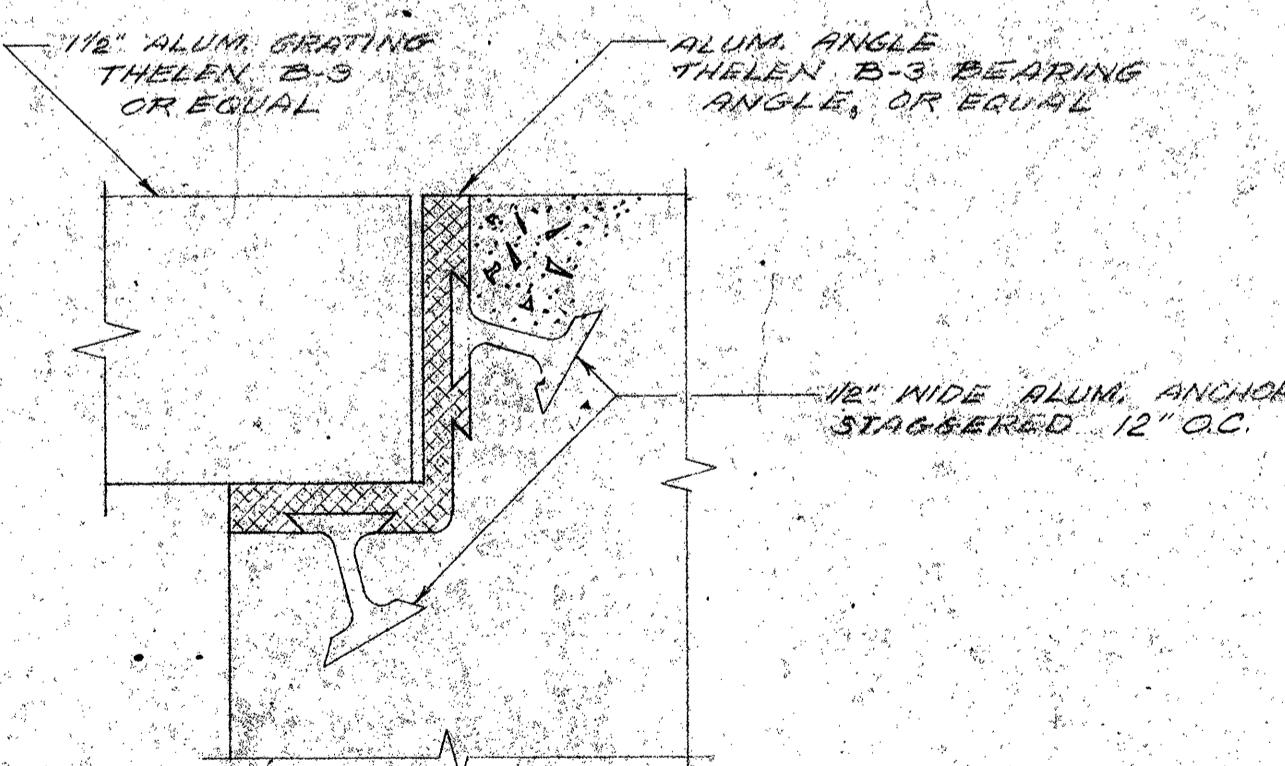
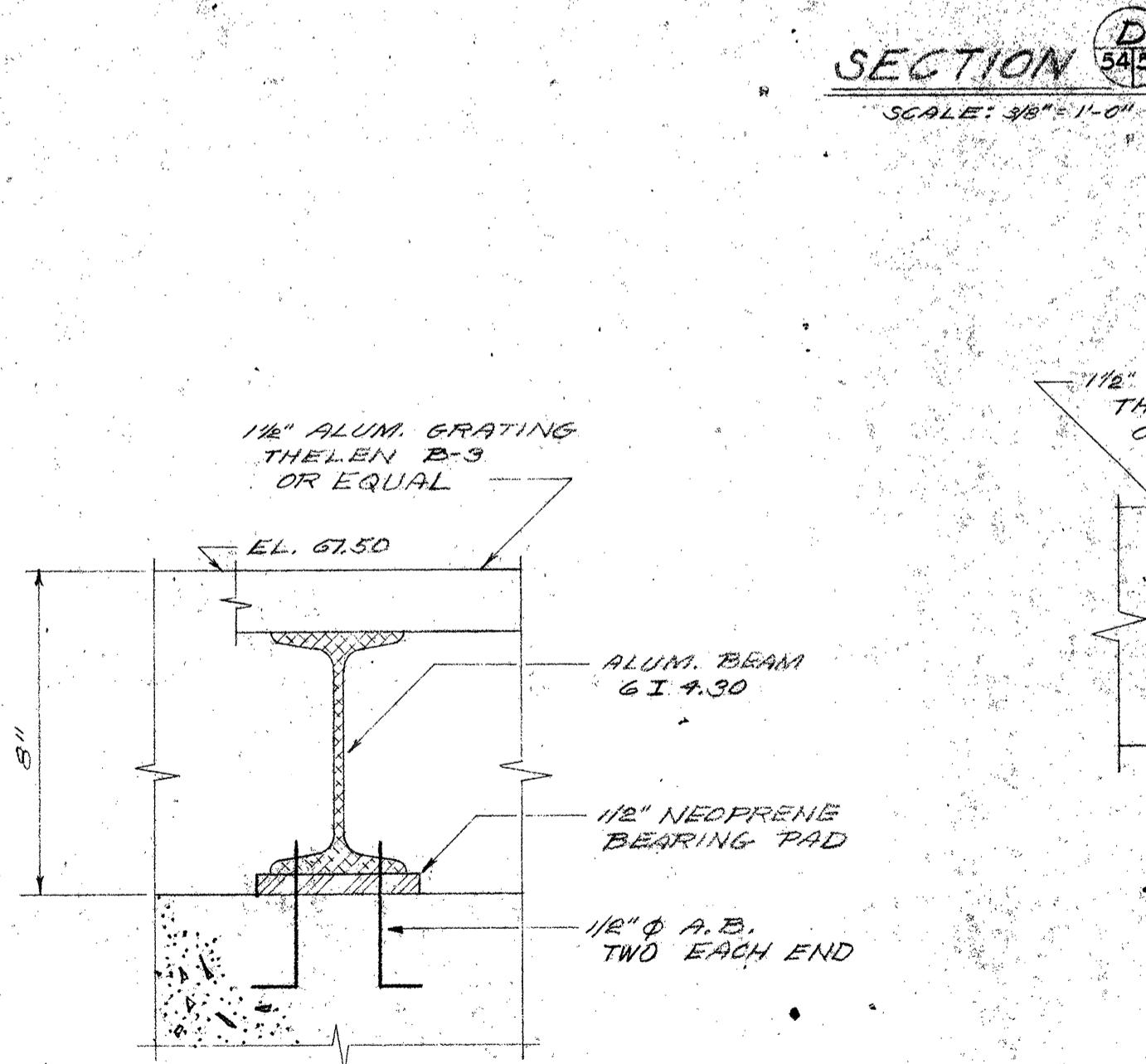
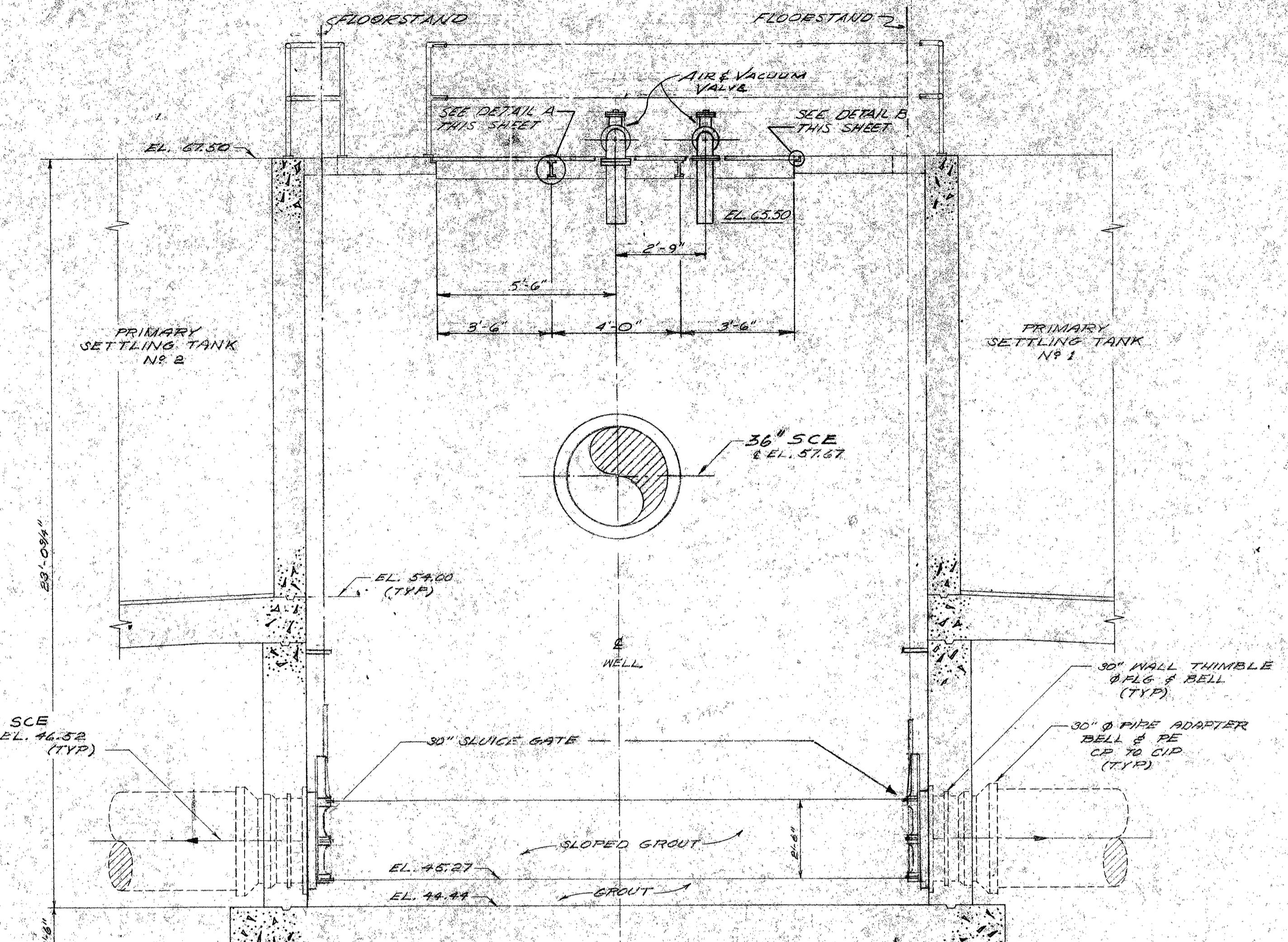
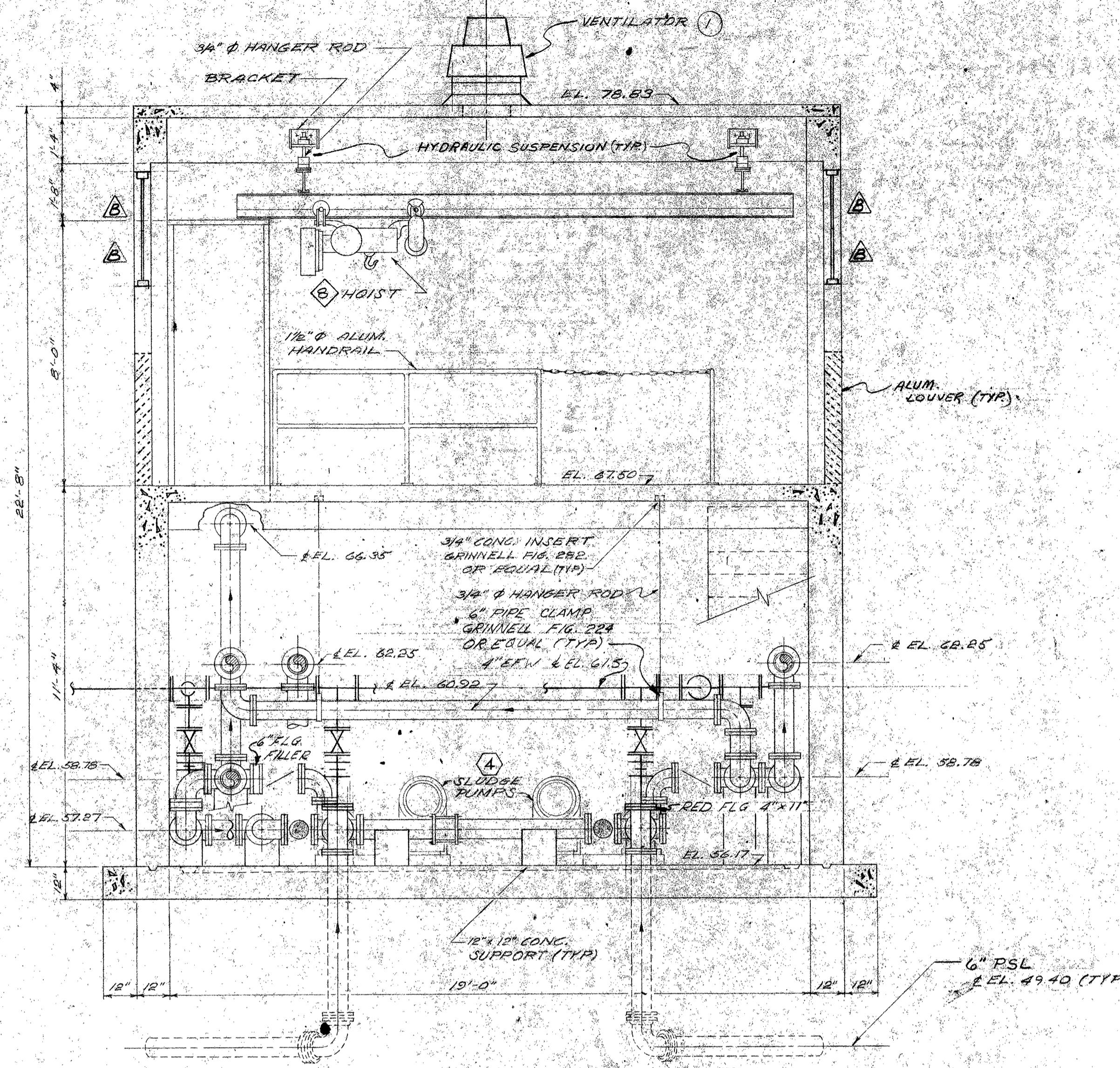


Briley, Wild & Associates
CONSULTING ENGINEERS
YTONA BEACH, FLA. CLEARWA

3/9/76	ADDED ALARM LEVELS & REV. 36" PIPE	G

NORTHEAST WASTEWATER TREATMENT FACILITY
PRIMARY SETTLING TANKS - SECTIONS
CLEARWATER, FLORIDA

0		2	4	6	8
SCALE IN FEET					
SCALE: $\frac{3}{8}'' = 1'-0''$					
DEC. 1975		PROJ. NO. 7236-2 A			
$\frac{3}{8}'' = 1'-0''$		FILE NO. M-842			
NO. 53 OF 42					



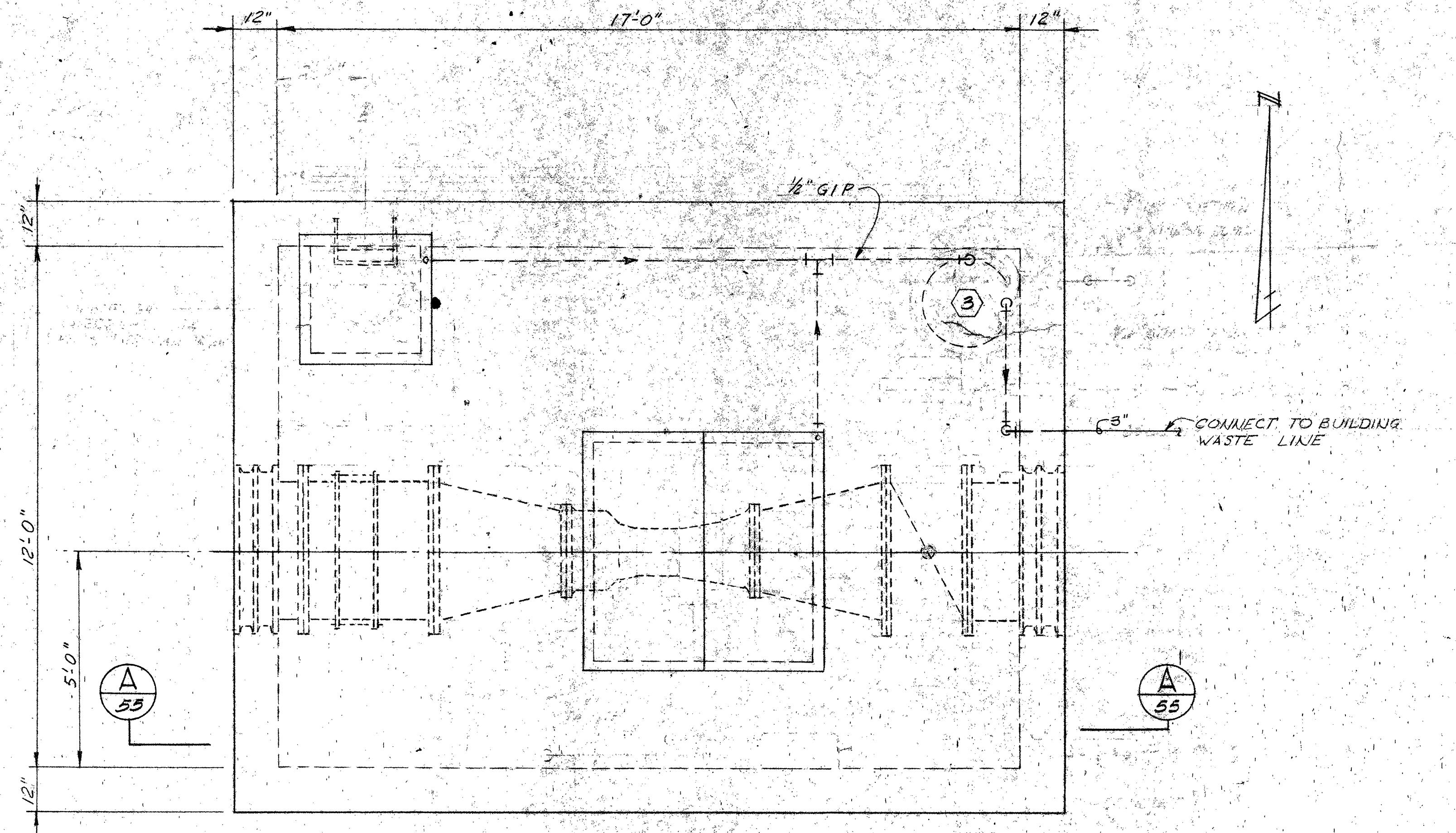
			DESIGNED	<i>SET A1</i>
			DRAWN	<i>RRW J9</i>
3/9/76	REVISED SLUICE GATES & 36" SCE	GII		
REV. NO.	DATE	REVISION	BY	CHECKED

A circular seal for a registered engineer. The outer ring contains the words "FLORIDA REGISTERED ENGINEER". Inside the ring, at the top, is "STEPHEN E. THAYER" and below it "CERTIFICATE NO. 18055". The center of the seal contains "STATE OF FLORIDA".

Briley, Wild & Associates
CONSULTING ENGINEERS
YTONA BEACH, FLA. CLEARWATER

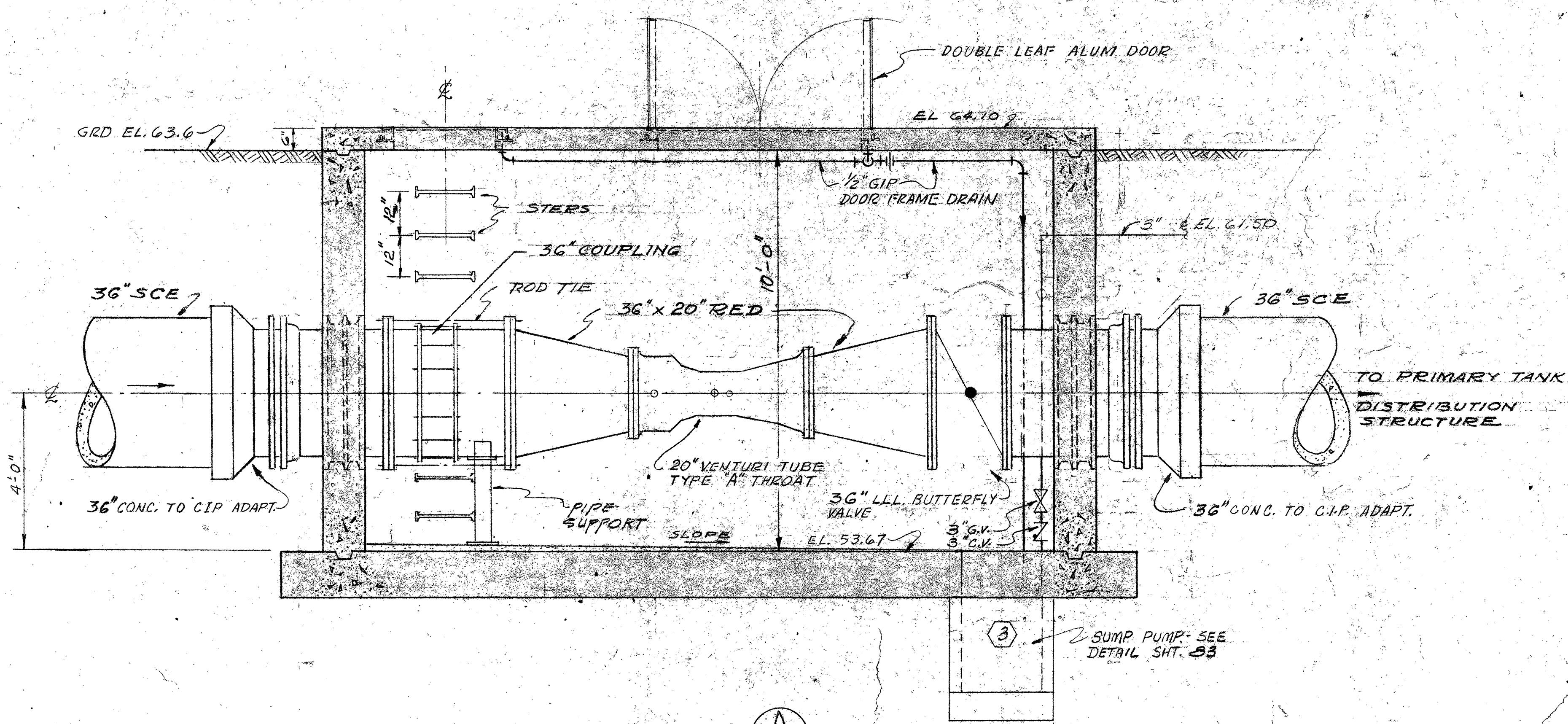
NORTHEAST WASTEWATER TREATMENT FACILITY
PRIMARY SETTLING TANKS - DETAILS
CLEARWATER, FLORIDA

DATE: DEC 1975	PROJ. NO. 7236-2A
SCALE: AS SHOWN	FILE NO.
SHEET NO. 54 OF 142	M - 8425



PLAN VIEW

SCALE:



PIPE SUPPORT DETAIL

$\mu = 18^{\circ}$

2 4
SCALE IN FEET
SCALE: $\frac{1''}{2}$ = 1' - 0"

SECTION A

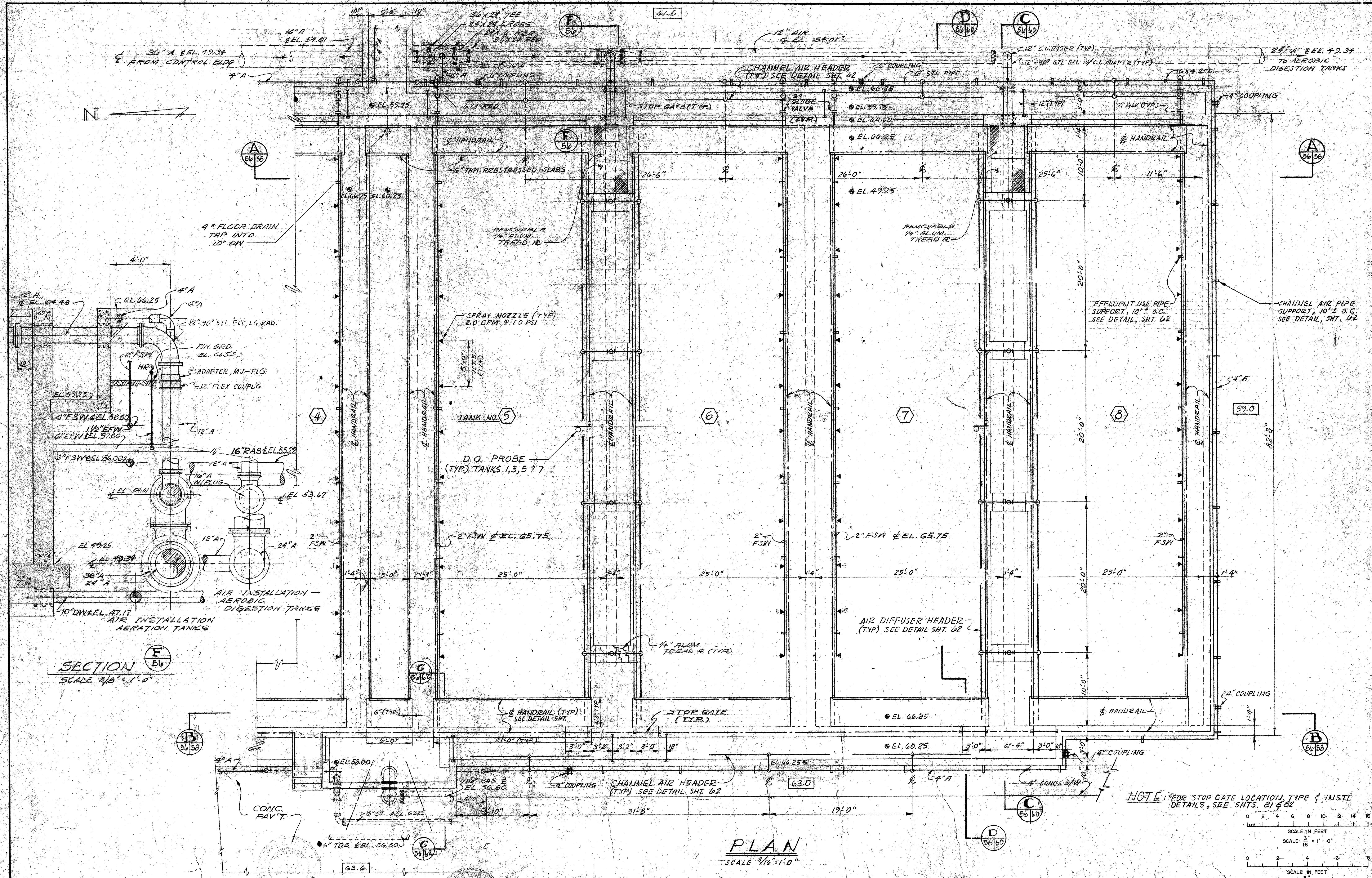
SCALE: 1/2" = 1'-0"

REV. NO.	DATE	REVISION	BY	DESIGNED	DRAWN	CHECKED	SUBMITTED: BRILEY, WILD & ASSOCIATES <i>John Briley</i>
	5/10/76	ADDED 2 RED. REVISED PIPES	GH	SET R1	RRW 5/10/76	A1	PRINCIPAL <i>Steven E. Thayer</i> 5/24/76 PROJECT ENGINEER

Briley, Wild & Associates
CONSULTING ENGINEERS
ORMOND BEACH, FLA. CLEARWATER, FLA.

**NORTHEAST WASTEWATER TREATMENT FACILITY
PRIMARY SETTLING TANKS- DETAILS
CLEARWATER, FLORIDA**

DATE: DEC. 1975	PROJ. NO. 7236-2A
SCALE: AS SHOWN	FILE NO.
SHEET NO. 55 OF 142	M - 8426



3/16/76 ADDED ELEV. ENOTES
REV. NO. DATE

REVISION
BY

CHECKED

13
G4

APPROVED:

Steve E. Thayer
BRILEY, WILD & ASSOCIATES

SUBMITTED:
1905 STATE OF FLORIDA
APPROVED: 1905
NOTARIZED

DESIGNED BY

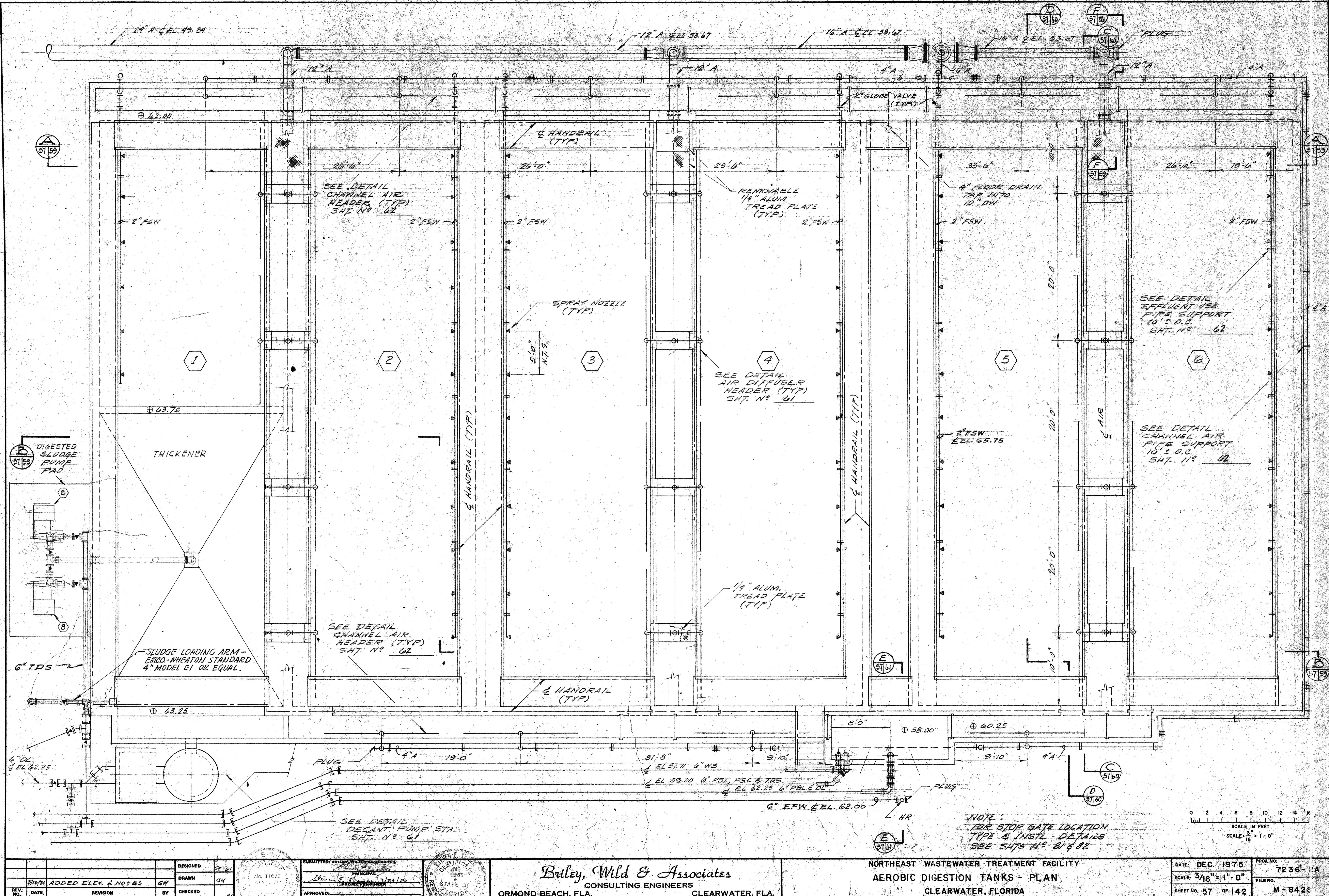
DRAWN BY

CHECKED BY

Briley, Wild & Associates
CONSULTING ENGINEERS
DAYTONA BEACH, FLA.

NORTHEAST WASTEWATER TREATMENT FACILITY
AERATION TANKS - PLAN
CLEARWATER, FLORIDA

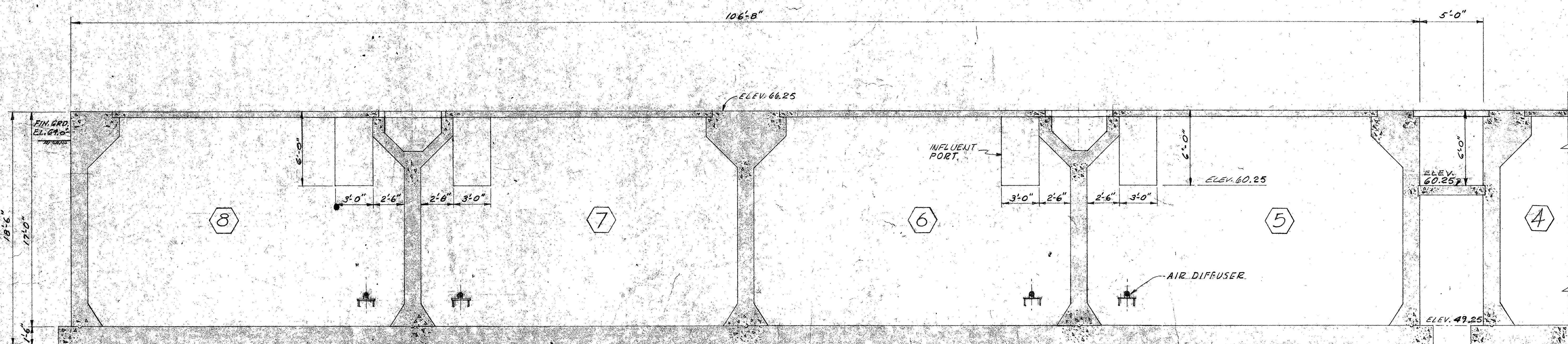
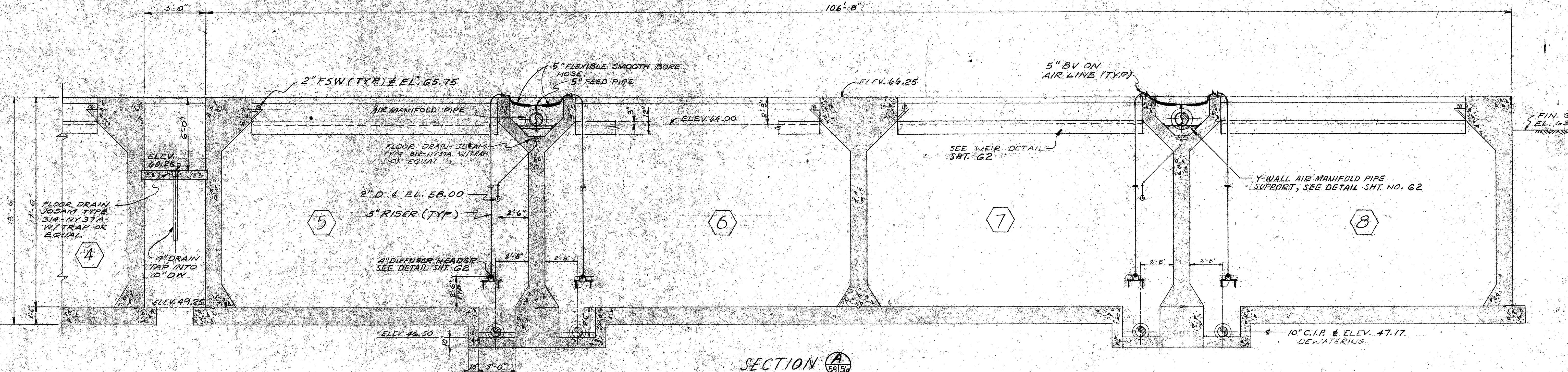
DATE: DEC. 1975
PROJ. NO.: 723G-2A
SCALE: AS SHOWN
FILE NO.: M-8427
SHEET NO. 56 OF 142



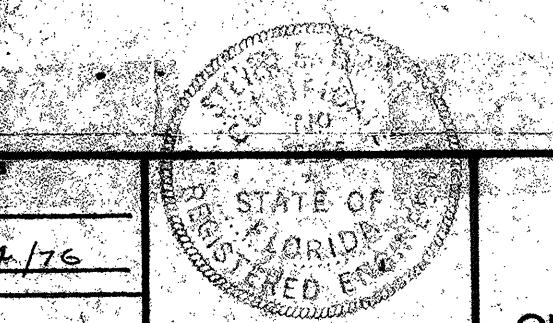
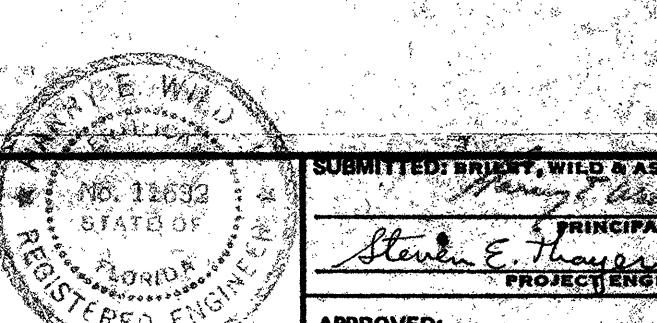
Briley, Wild & Associates
CONSULTING ENGINEERS
BEACH, FLA. CLEARWA

**NORTHEAST WASTEWATER TREATMENT FACILITY
AEROBIC DIGESTION TANKS - PLAN
CLEARWATER, FLORIDA**

DATE:	DEC. 1975	PROJ. NO.	7236-1A
SCALE:	3/16" = 1'-0"	FILE NO.	M-8428
SHEET NO.	57 OF 142		



SECTION B



Briley, Wild & Associates
CONSULTING ENGINEERS
ND BEACH, FLA. CLEARWATER, FLA.

**NORTHEAST WASTEWATER TREATMENT FACILITY
AERATION TANKS — SECTIONS
CLEARWATER, FLORIDA**

REV. NO.	DATE.	REVISION

DESIGNED	<i>Sept 20</i>
DRAWN	<i>C.H.</i>
CHECKED	<i>B.A.</i>

A circular metal stamp with a decorative border containing the words "FLORIDA REGISTERED ENGINEER". The center of the stamp contains the number "No. 11632" and the word "STATE OF" above it.

MITTED BY: WILD & A.
H. May 1968
PRINCIPAL
Steven E. Thayer
PROJECT ENG.
PROVED:

A rectangular stamp with a decorative border containing the text "NATIONAL LIBRARY OF AUSTRALIA" at the top and "24/1/76" in the center.

Briley
OND BEACH, FL

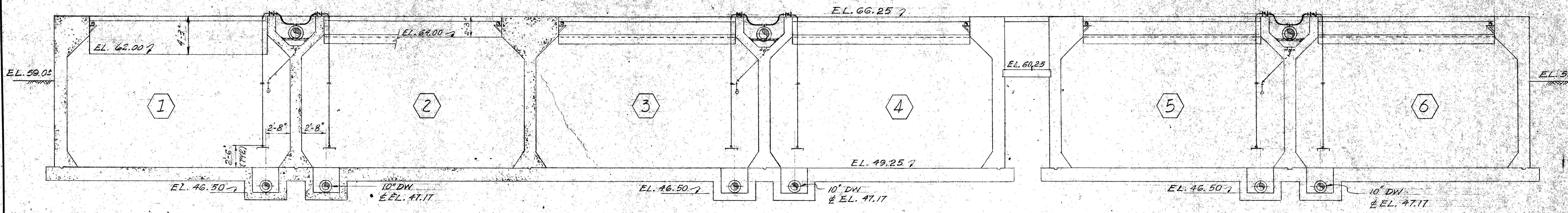
Wild &
CONSULTING EN

Associate ENGINEERS CLEARV

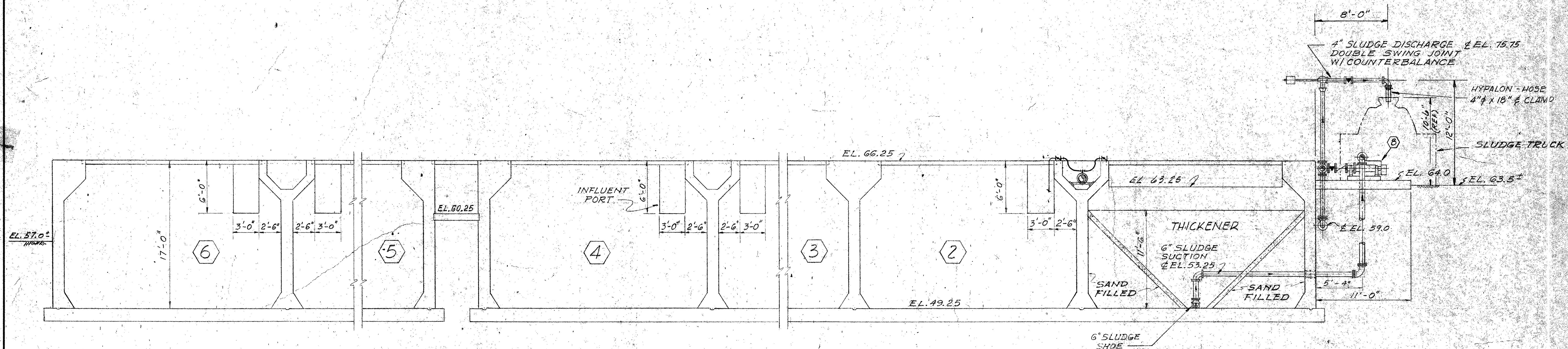
WATER, FLA.

**NORTHEAST WASTEWATER TREATMENT FACILITY
AERATION TANKS — SECTIONS
CLEARWATER, FLORIDA**

0	4	8	12
SCALE IN FEET			
SCALE: $\frac{1}{4}$ " = 1'-0"			
DATE: DEC. 1975		PROJ. NO.	
SCALE: 1/4" = 1'-0"		FILE NO.	
SHEET NO. 58 OF 142		M-8429	

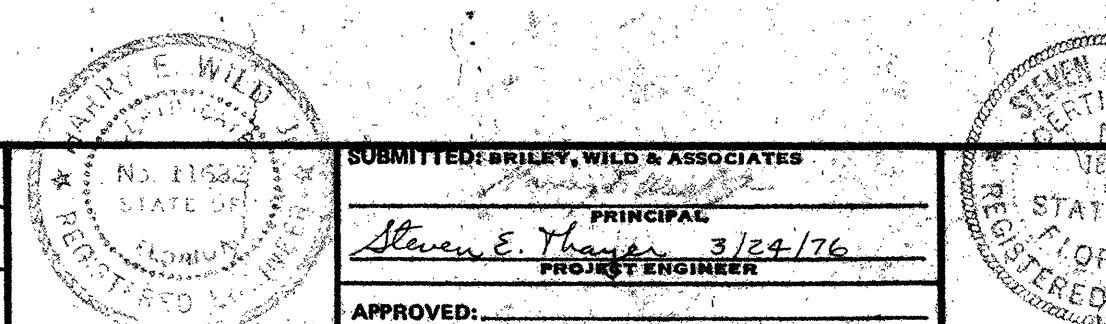


SECTION (5957)



SECTION (5957)

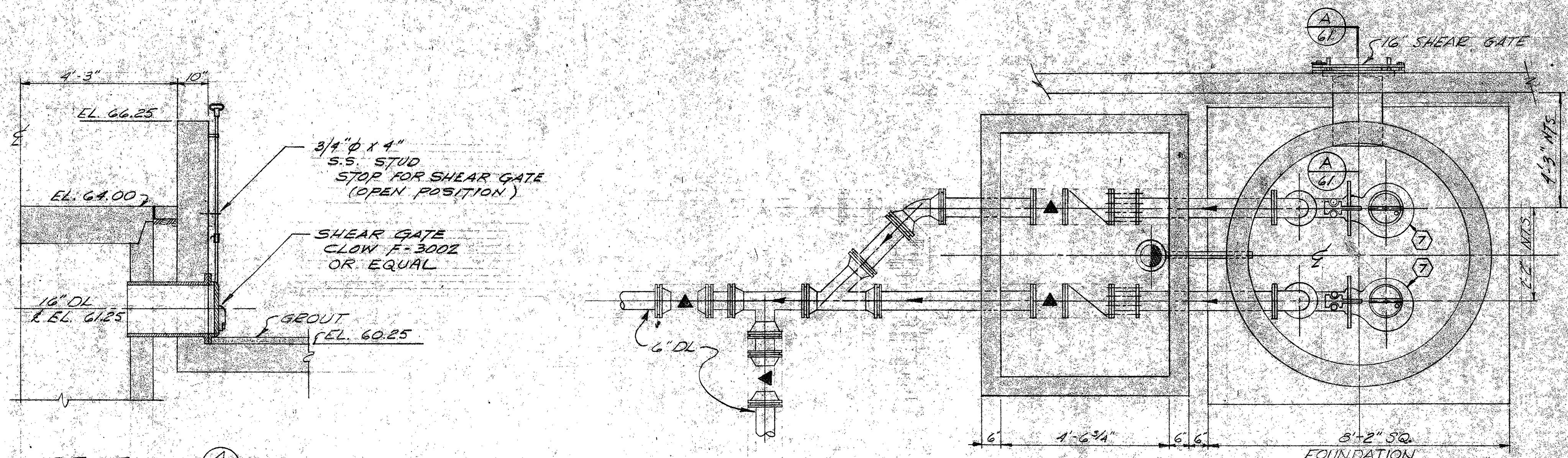
		DESIGNED	SEH
REV. NO.	DATE.	DRAWN	GH
REvised ELEV. & NOTE		BY	CHECKED
5/10/76			



Briley, Wild & Associates
CONSULTING ENGINEERS
ORMOND BEACH, FLA. CLEARWATER, FLA.

NORTHEAST WASTEWATER TREATMENT FACILITY
AEROBIC DIGESTION TANKS - SECTIONS
CLEARWATER, FLORIDA

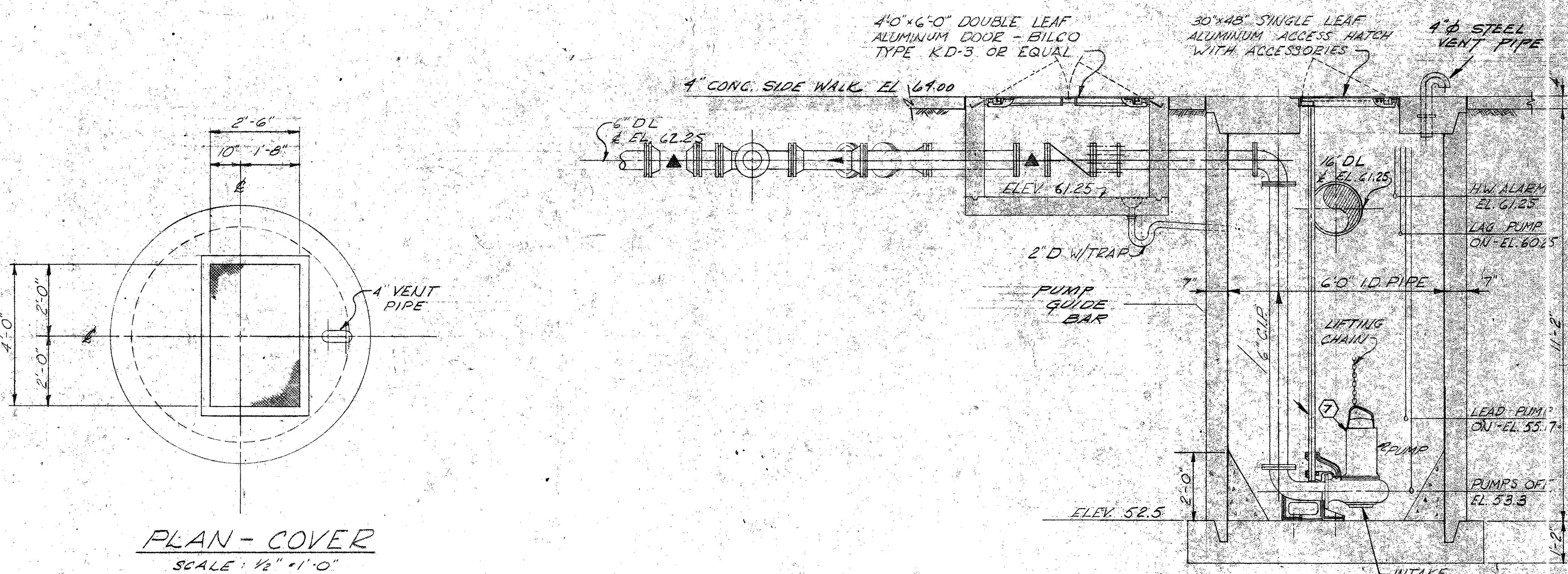
DATE: DEC. 1975 PROJ. NO. 7236-21
SCALE: 3/16" = 1'-0" FILE NO.
SHEET NO. 59 OF 142 SHEET NO. 59 OF 142 M-8430



SECTION A/A

SCALE : $\frac{1}{2}'' = 1'-0''$

PLAN
SCALE : $\frac{1}{2}'' = 1'-0''$



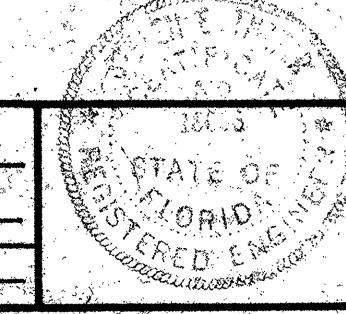
PLAN - COVER
SCALE : $\frac{1}{2}'' = 1'-0''$

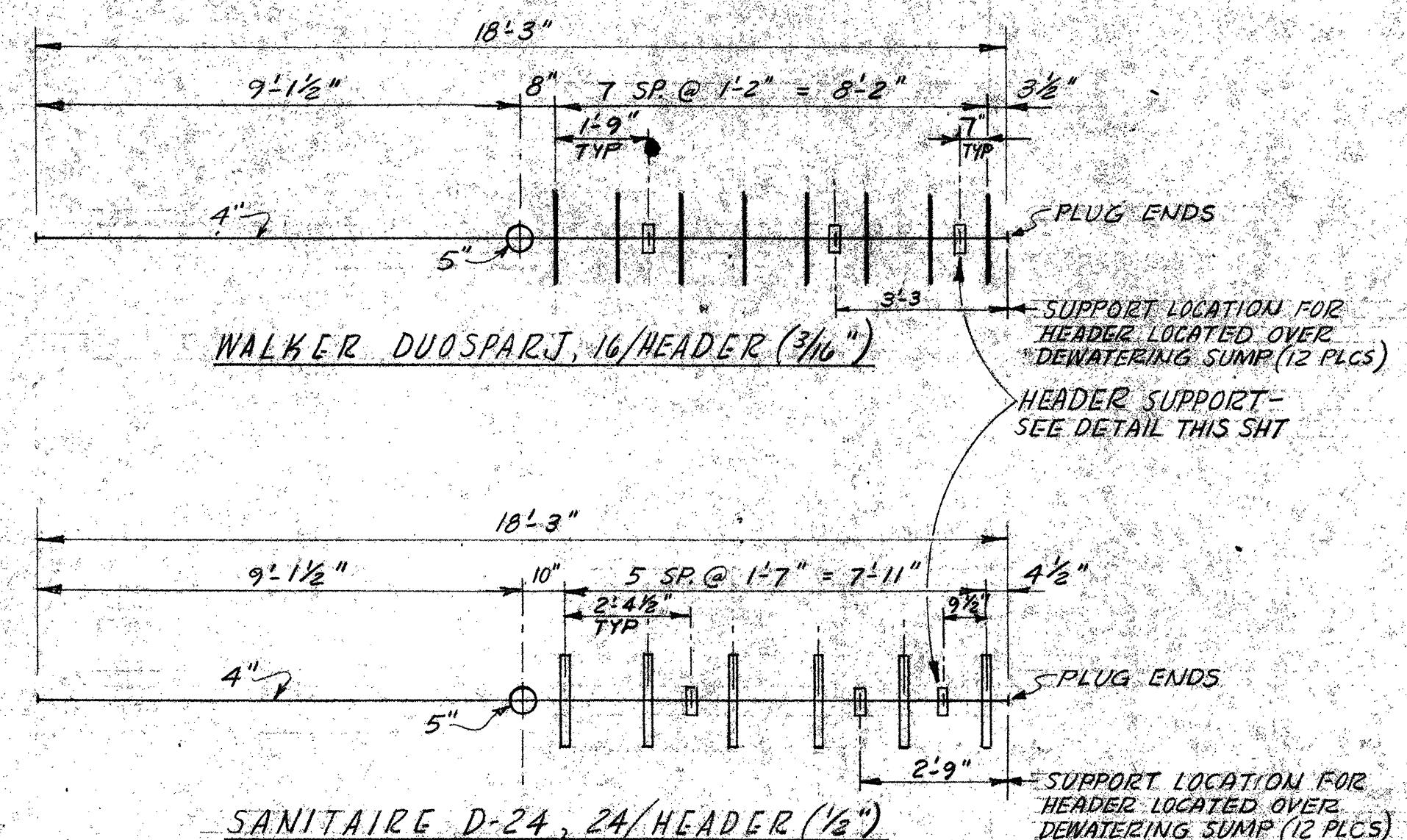
SECTION
SCALE : $\frac{1}{2}'' = 1'-0''$

DECANT PUMP STATION

0 2 4 6
SCALE IN FEET
SCALE : $\frac{1}{2}'' = 1'-0''$

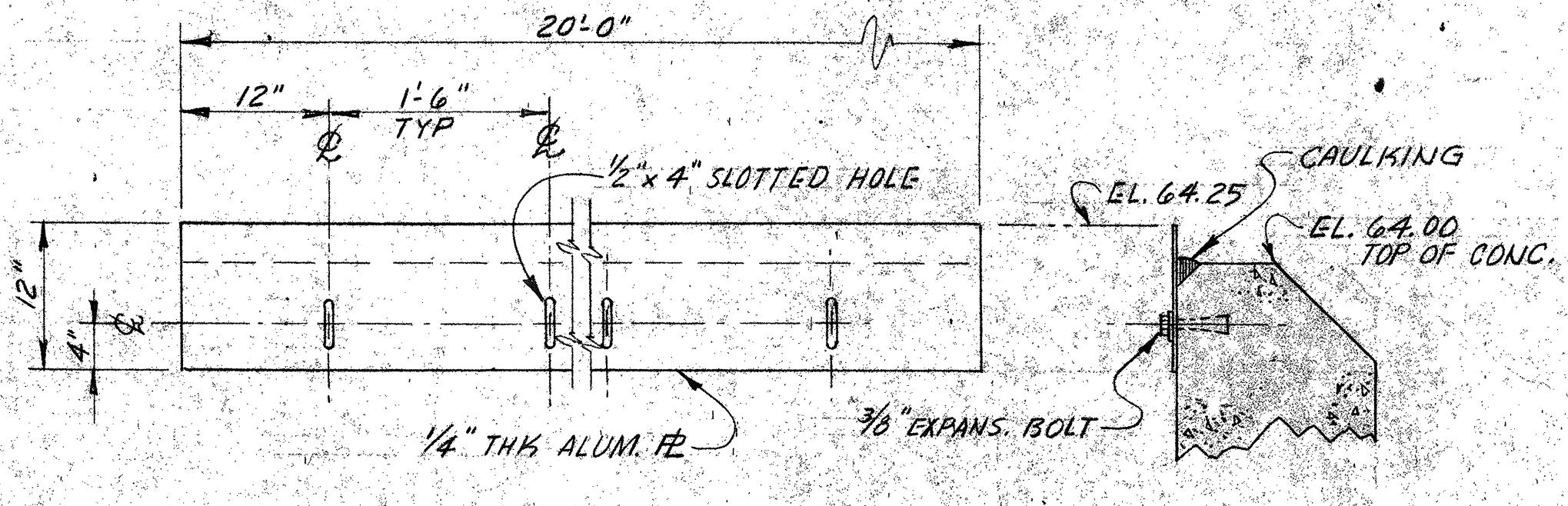
DESIGNED	HTC
3-16	ADDED 'OR EQUAL'
DRAWN	RPA
CHECKED	M





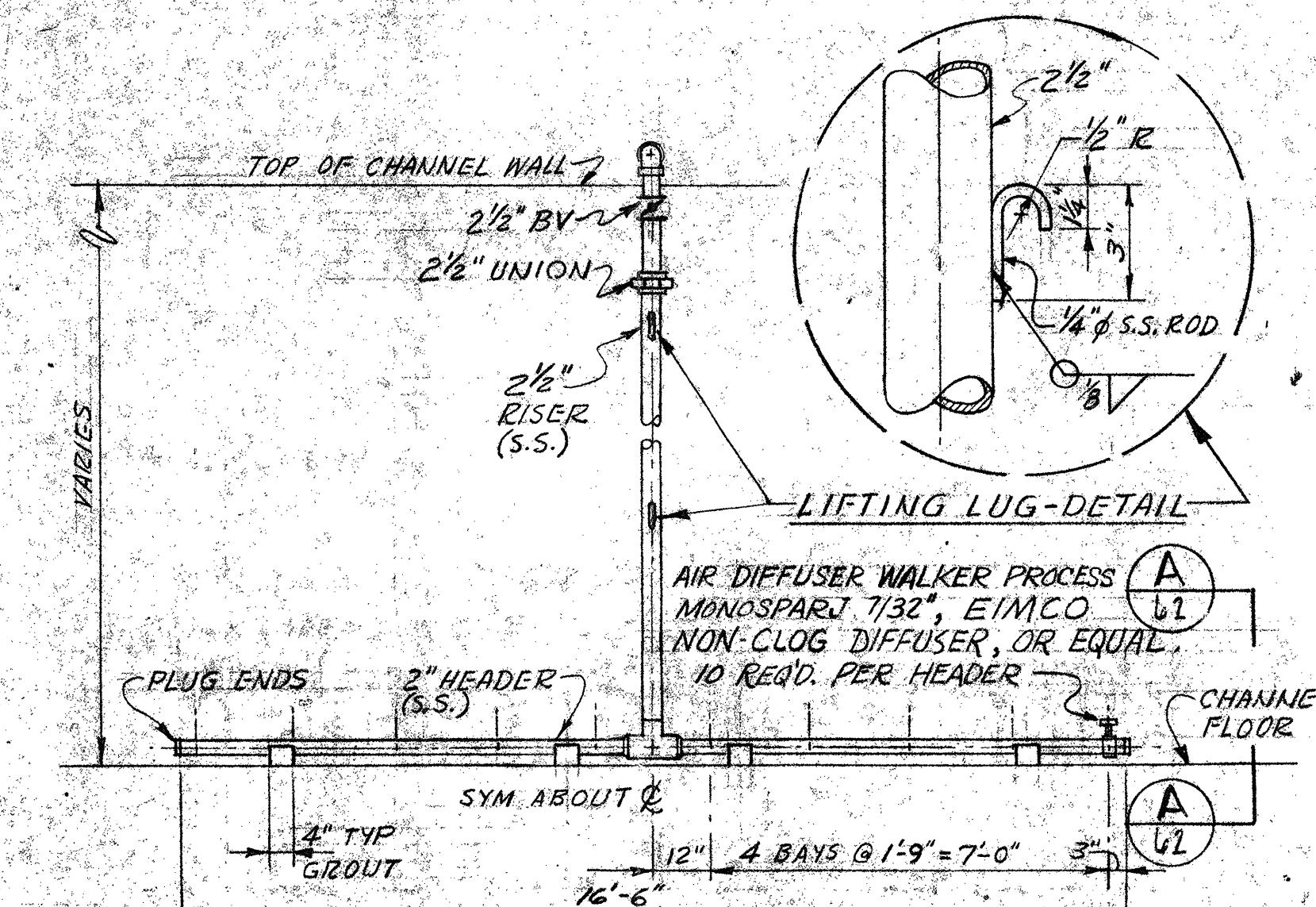
AERATION TANK AND AEROBIC DIGESTER AIR DIFFUSER HEADER DETAIL

NOTE; DIFFUSERS TO BE WALKER PROCESS DUOSPARJ, SANITAIRE D-24,
OR EQUAL. ARRANGEMENT FOR WALKER 3 SANITAIRE SHOWN,
ALTERNATES SHALL ALLOW AN AIR FLOW OF 480 CFM PER HEADER,
WITH A MAX. HEAD LOSS OF 10 INCHES H₂O.



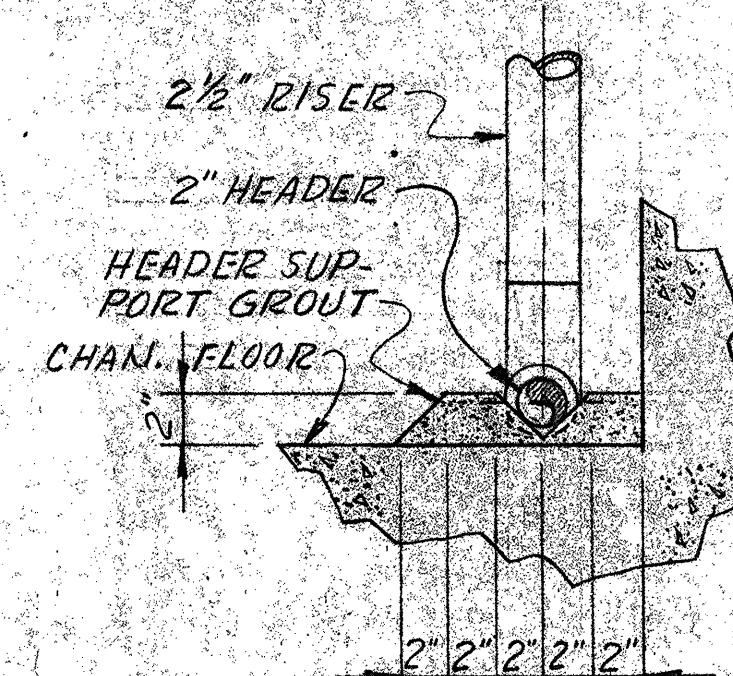
WIER DETAIL

SCALE 1" = 1



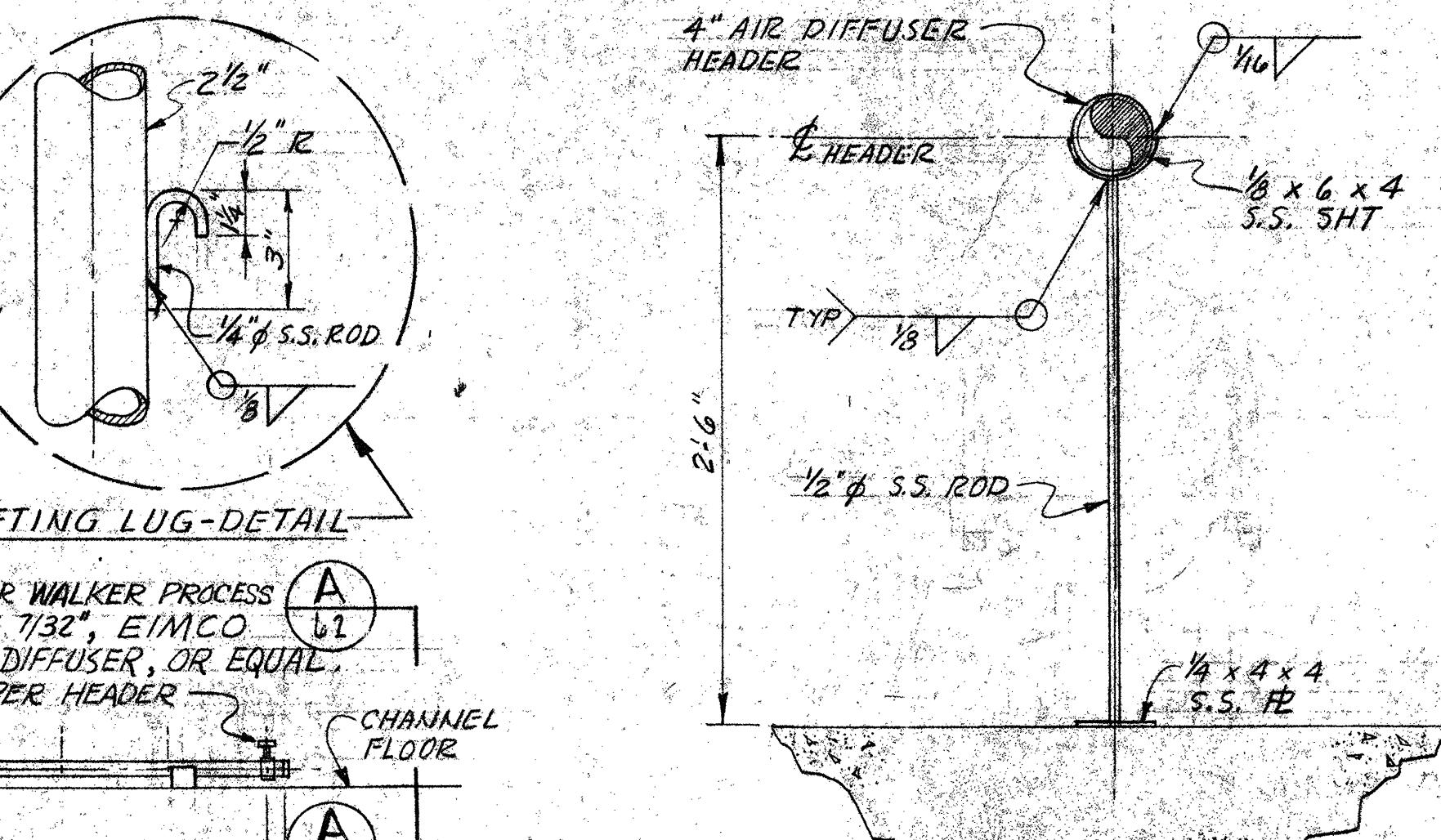
AERATION TANK, AEROBIC DIGESTER AND SECONDARY CLARIFIER CHANNELS AIR DIFFUSER HEADER DETAIL

SCALE $\frac{3}{8}'' = 1'-0''$
NOTE: DIFFUSER TO BE TOP-MOUNTED, WALKER BLOW-OFF TUBE REMOVED & PLUGGED. DIFFUSERS TO HAVE A MAX. HEAD LOSS OF 10 INCHES H₂O AT AN AIRFLOW OF 10 CFM.



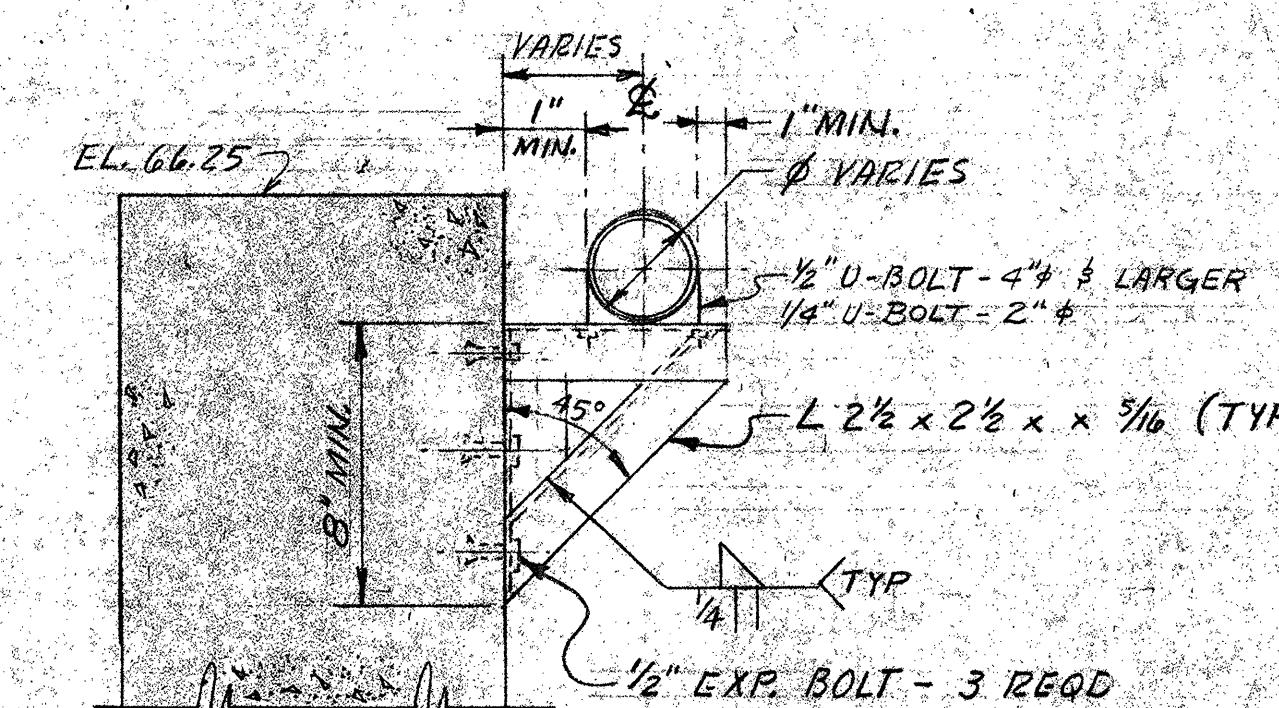
SECTION A 167

SCALE $\frac{1}{2}'' = 1'-0''$

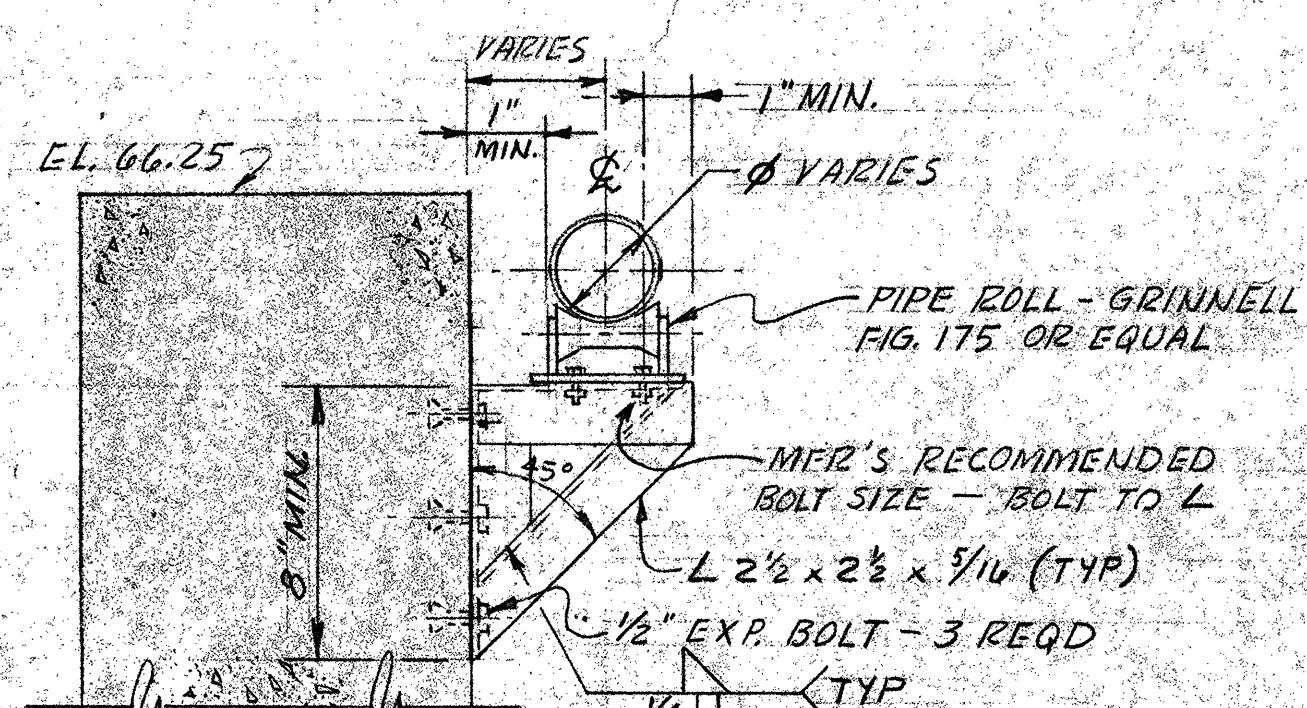


TANK AIR DIFFUSER HEADER SUPPORT - DETAIL

NOTE: AIR HEADERS TO BE LEVELED W/SHIMS
OR GROUT UPON FINAL INST'L'N.



(EVERY OTHER BRACKET)

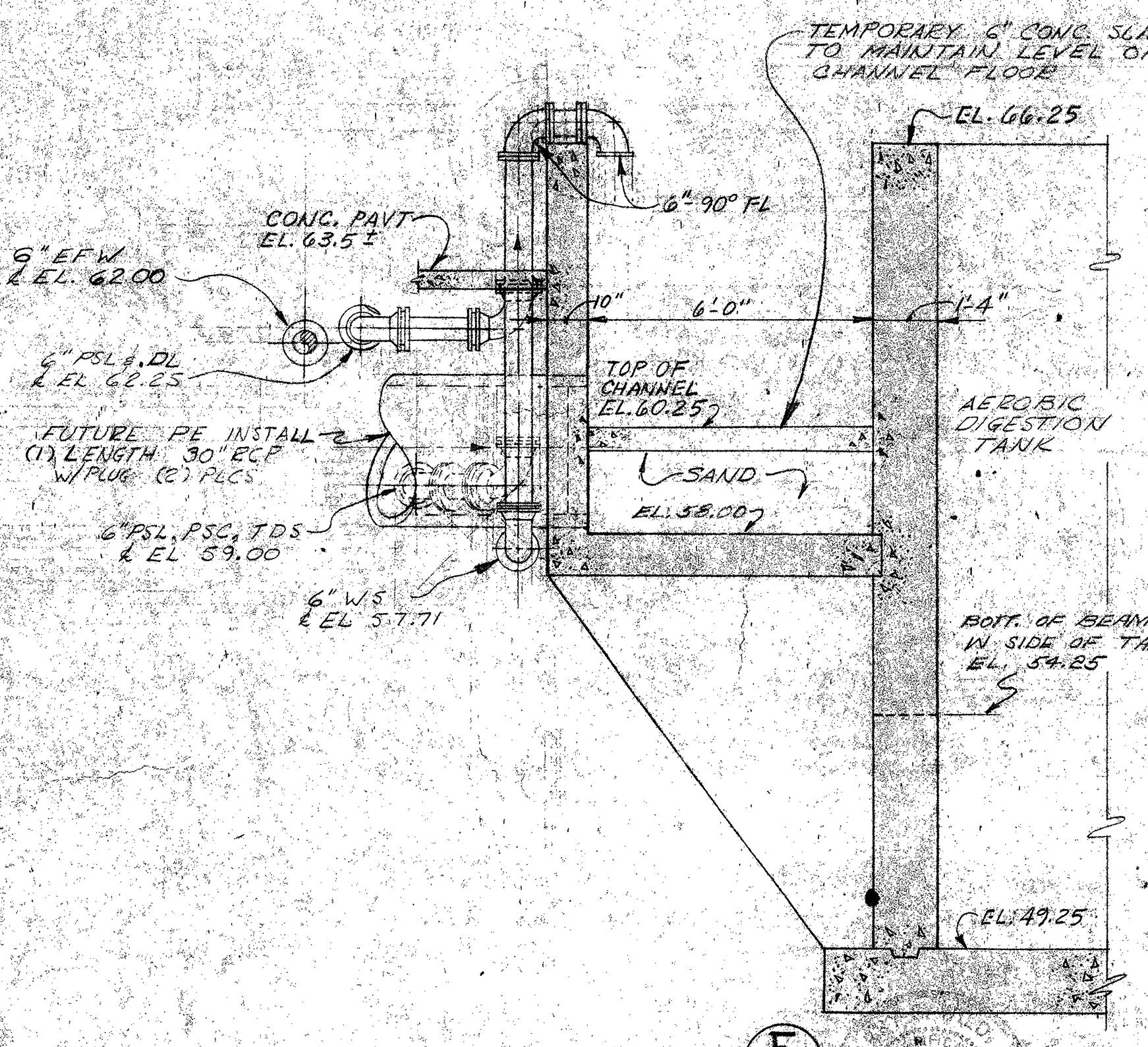


(EVERY OTHER BRACKET)

CHANNEL AIR & EFFLUENT USE PIPE SUPPORT - DETAILS

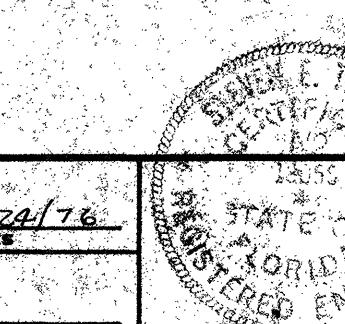
SCALE $1\frac{1}{2}'' = 1$

NOTE: SEE SHEET 63 FOR CHANNEL AIR MAIN SUPPORT DETAILS IN SECONDARY CLARIFIER INFLOW CHANNEL.



SECTION

SCALE 1/8 "



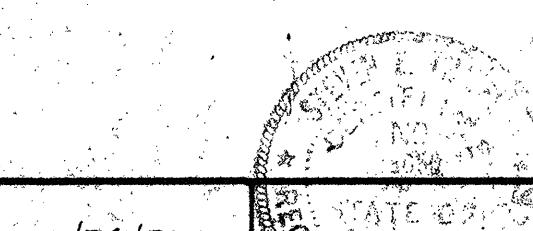
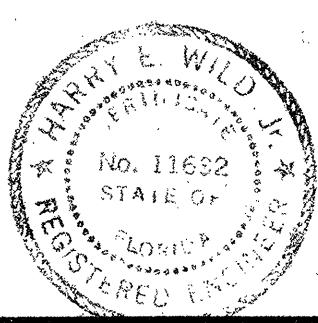
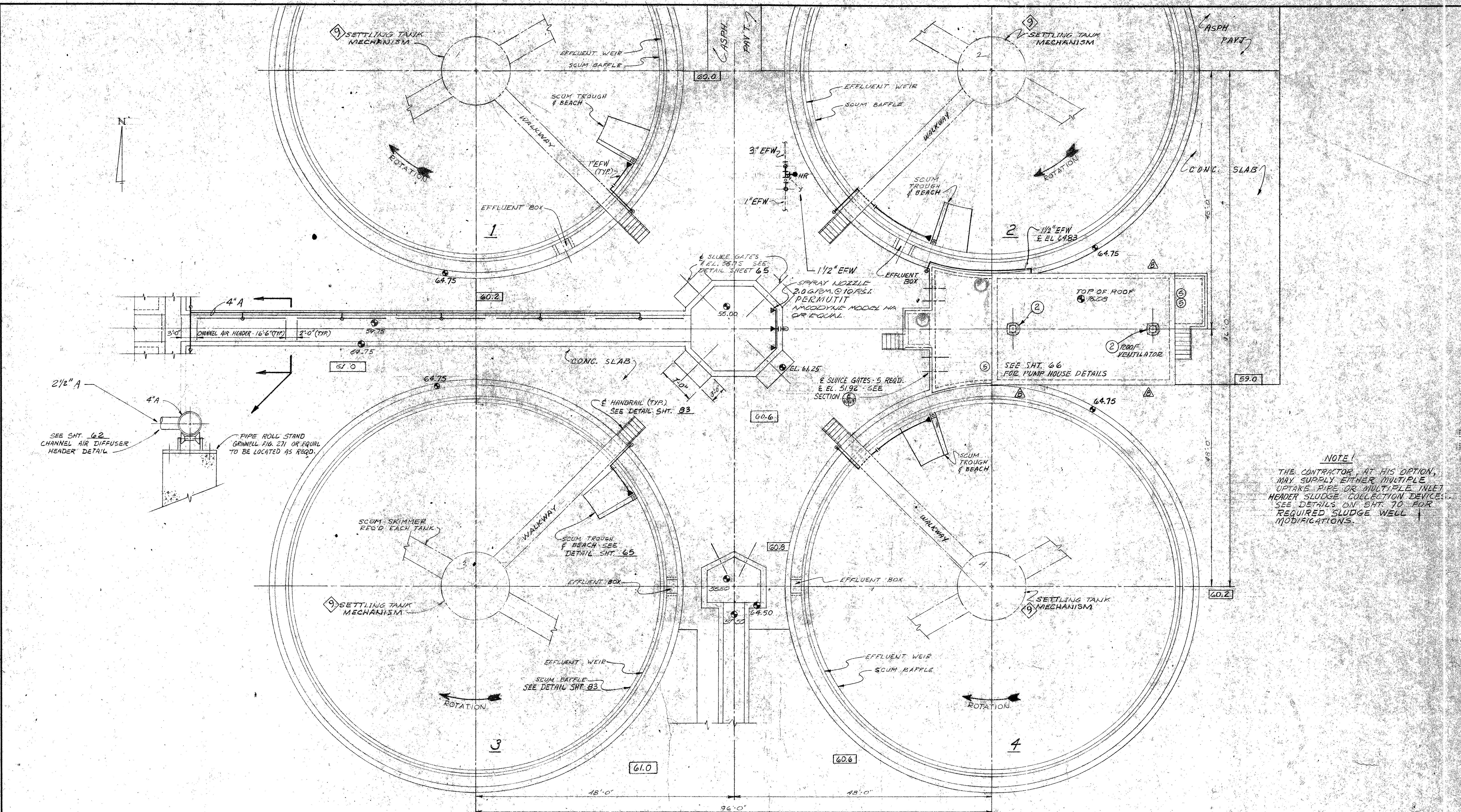
Briley, Wild & Associate
CONSULTING ENGINEERS
XTONA BEACH, FLA. CLEARW

DAYTONA BEACH, FL

NORTHEAST WASTEWATER TREATMENT FACILITY
AEROBIC DIGESTION / AERATION TANKS - DETAILS
CLEARWATER, FLORIDA

DATE: DEC. 19
SCALE: AS SHOWN
SHEET NO. 62 OF

PROJ. NO.
7236-2A
FILE NO.
M- 8432



REV. NO.	DATE	DESIGNED BY	SUBMITTED TO
1-3-76	C/O 1 1/2" EFW	R.W.W.	Briley, Wild & Associates

REVISION	DRAWN BY	APPROVED BY
	R.W.W.	H.W. & Associates

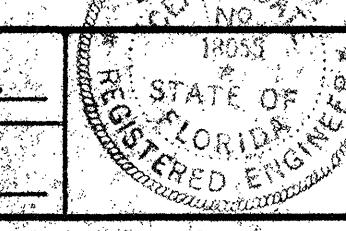
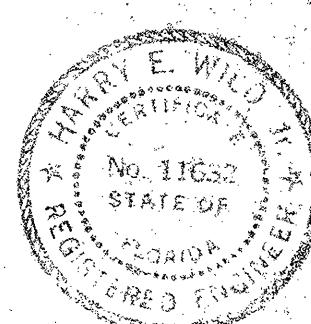
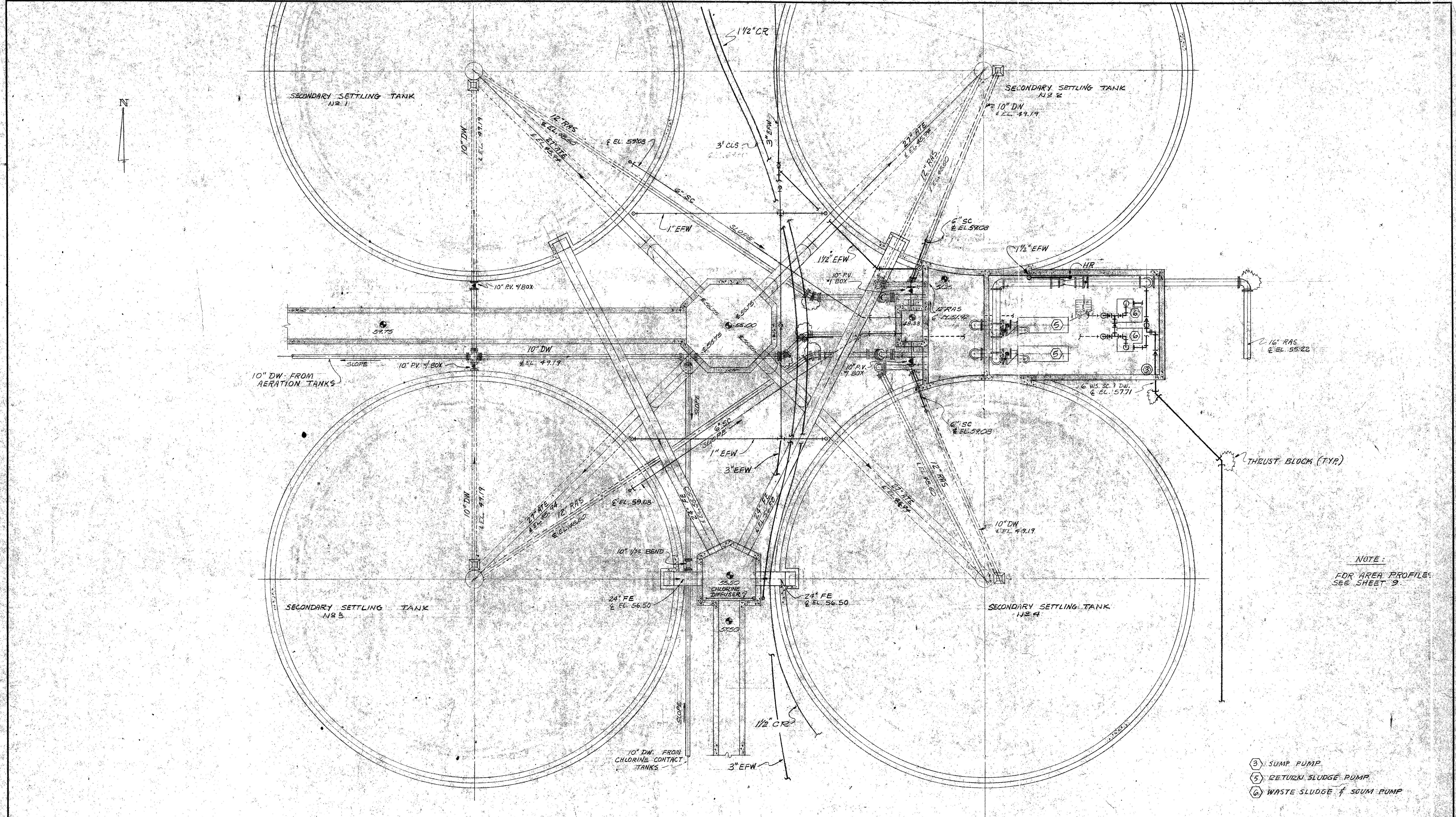


CONSULTING ENGINEERS
DAYTONA BEACH, FLA.

Briley, Wild & Associates
CONSULTING ENGINEERS
CLEARWATER, FLA.

NORTHEAST WASTEWATER TREATMENT FACILITY
SECONDARY SETTLING TANKS - PLAN
CLEARWATER, FLORIDA

SCALE IN FEET
SCALE: $\frac{1}{8}$ " = 1'-0"
FILE NO. M-8434
PROJ. NO. 7236-2A
DATE: DEC. 1975
SHEET NO. 63 OF 142

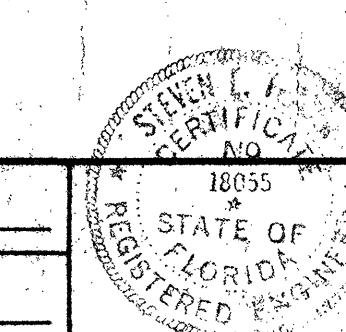
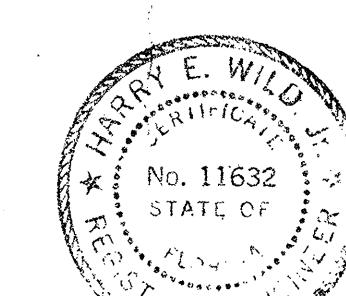
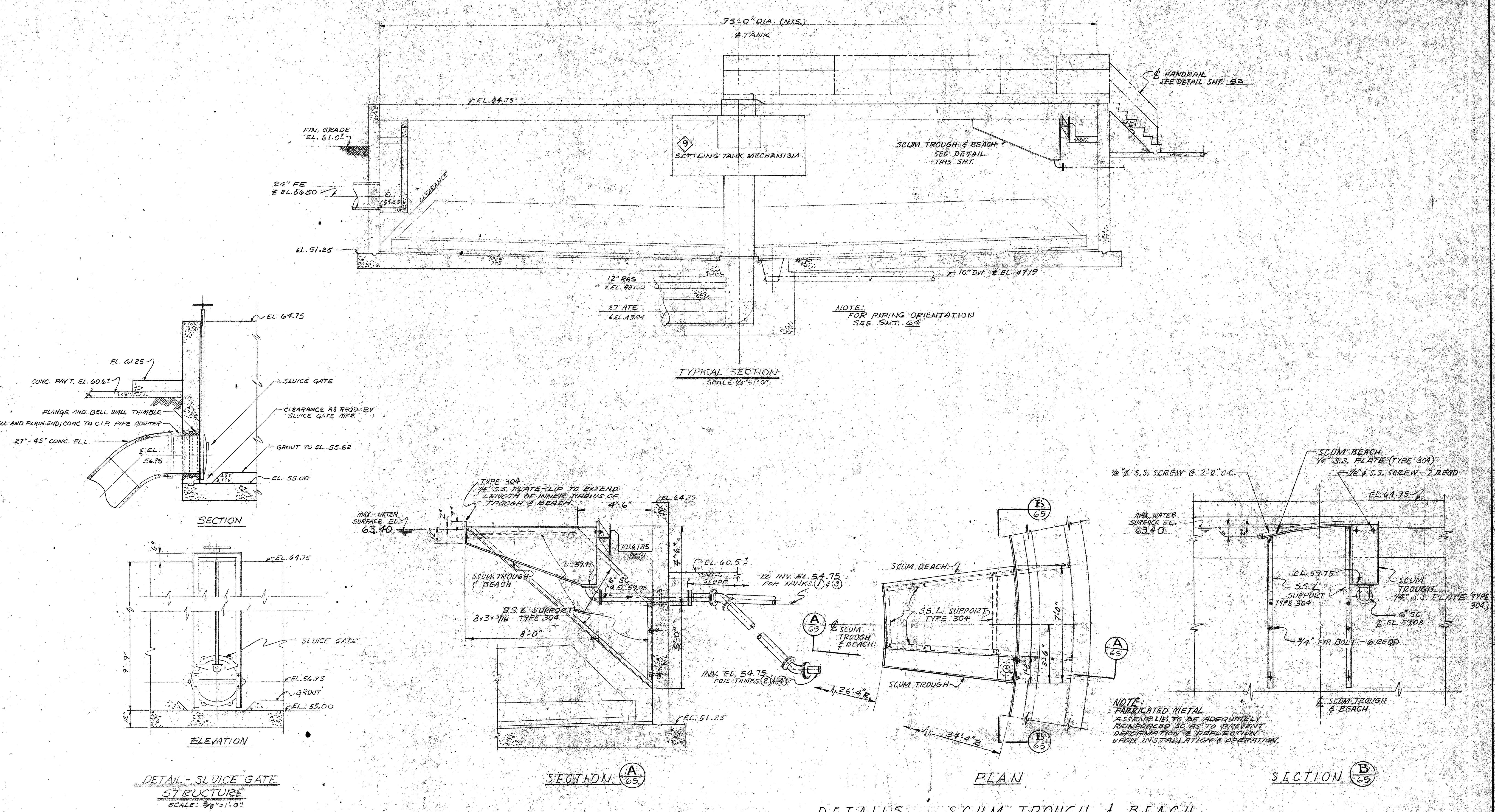


Briley, Wild & Associates
CONSULTING ENGINEERS
DAYTONA BEACH, FLA. CLEARWATER

DAYTONA BEACH, FLA. : CLEARWATER, FLA.

NORTHEAST WASTEWATER TREATMENT FACILITY
SECONDARY SETTLING TANKS - PLAN BELOW GRADE
CLEARWATER, FLORIDA

DATE: DEC. 1975	PROJ. NO.
SCALE: 1/8" = 1'-0"	7236-2 A
SHEET NO. 64 OF 142	FILE NO.
	M - 8435



1	3-76	ADDED MAX. W.S. EC. 63.50

	DESIGNED	<i>[Signature]</i>	SUBMITTED:	<i>Steven E. Thunen 3/24/76</i>
	DRAWN	<i>RDH</i>	BRILEY, WILD & ASSOCIATES	
<i>(IRW)</i>		<i>EWS</i>	APPROVED:	<i>Henry J. Wild Jr.</i>
BY	CHECKED	<i>[Signature]</i>		

13

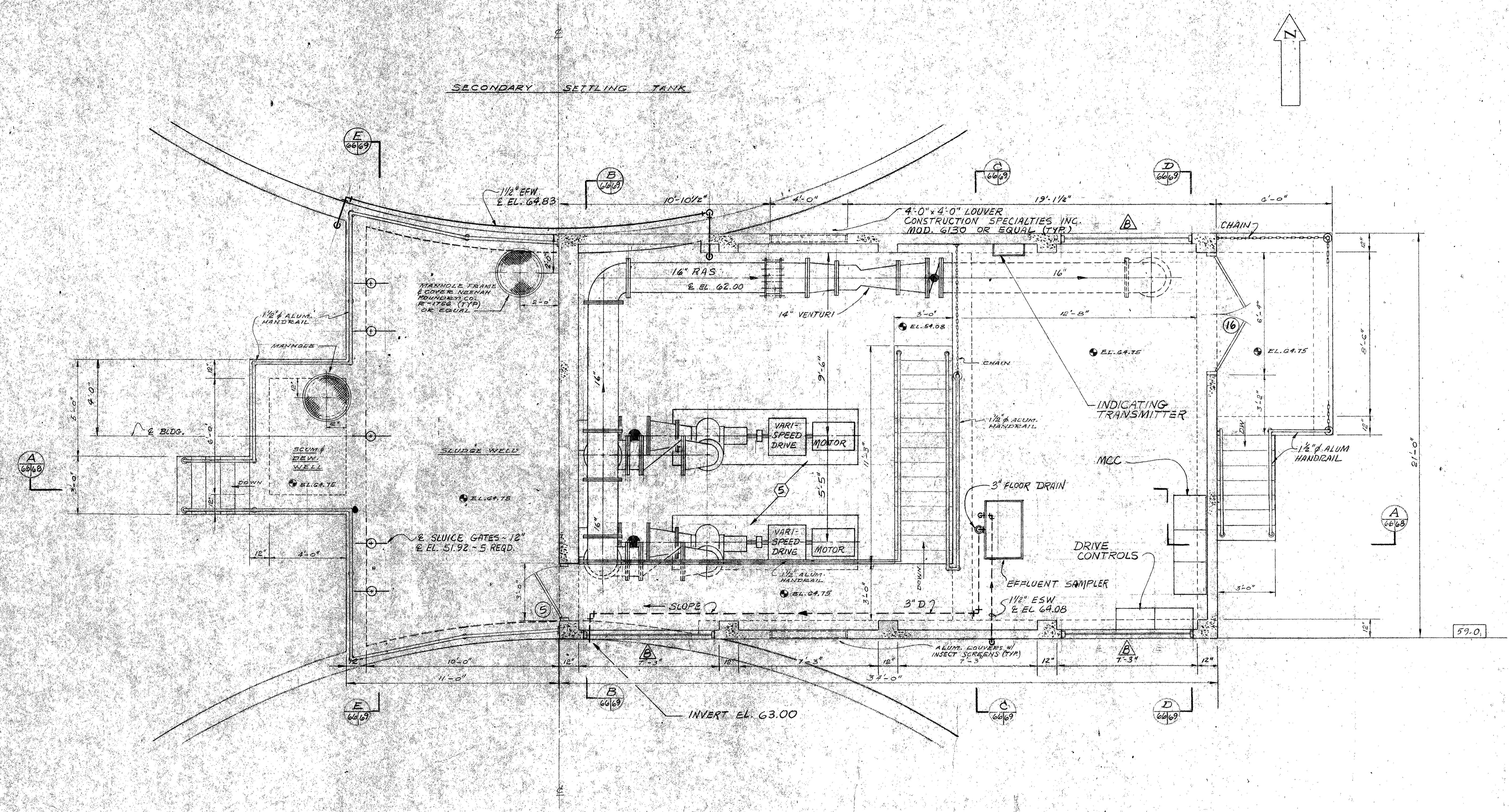
Briley, Wild & Associate
CONSULTING ENGINEERS

DAYTONA BEACH

CONSULTING ENGINEERS

**NORTHEAST WASTEWATER TREATMENT FACILITY
SECONDARY SETTLING TANKS - SECTIONS
CLEARWATER, FLORIDA**

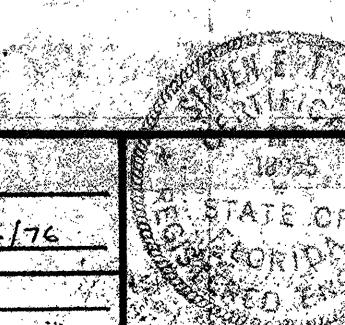
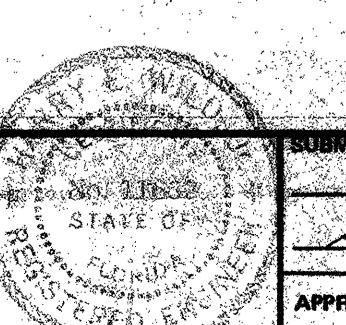
DATE: DEC. 1975	PROJ. NO.
SCALE: AS SHOWN	7236-2A
SHEET NO. 65 OF 142	FILE NO. M-8436



SECONDARY SETTLING TANK

PLAN AT ELEV. 71.00

SCALE: $\frac{3}{8}'' = 1'-0''$



Briley, Wild & Associates
CONSULTING ENGINEERS
ORMOND BEACH, FLA. CLEARW

CONSULTING ENGINEERS
ORMOND BEACH, FLA. CLEARWATER, FLA.

**NORTHEAST WASTEWATER TREATMENT FACILITY
SECONDARY SETTLING TANKS - DETAILS
CLEARWATER, FLORIDA**

A horizontal scale bar with tick marks at 2, 4, 6, and 8. Below it is the label "SCALE IN FEET".

SCALE IN FEET
SCALE: $\frac{3}{8}$ " = 1'-0"

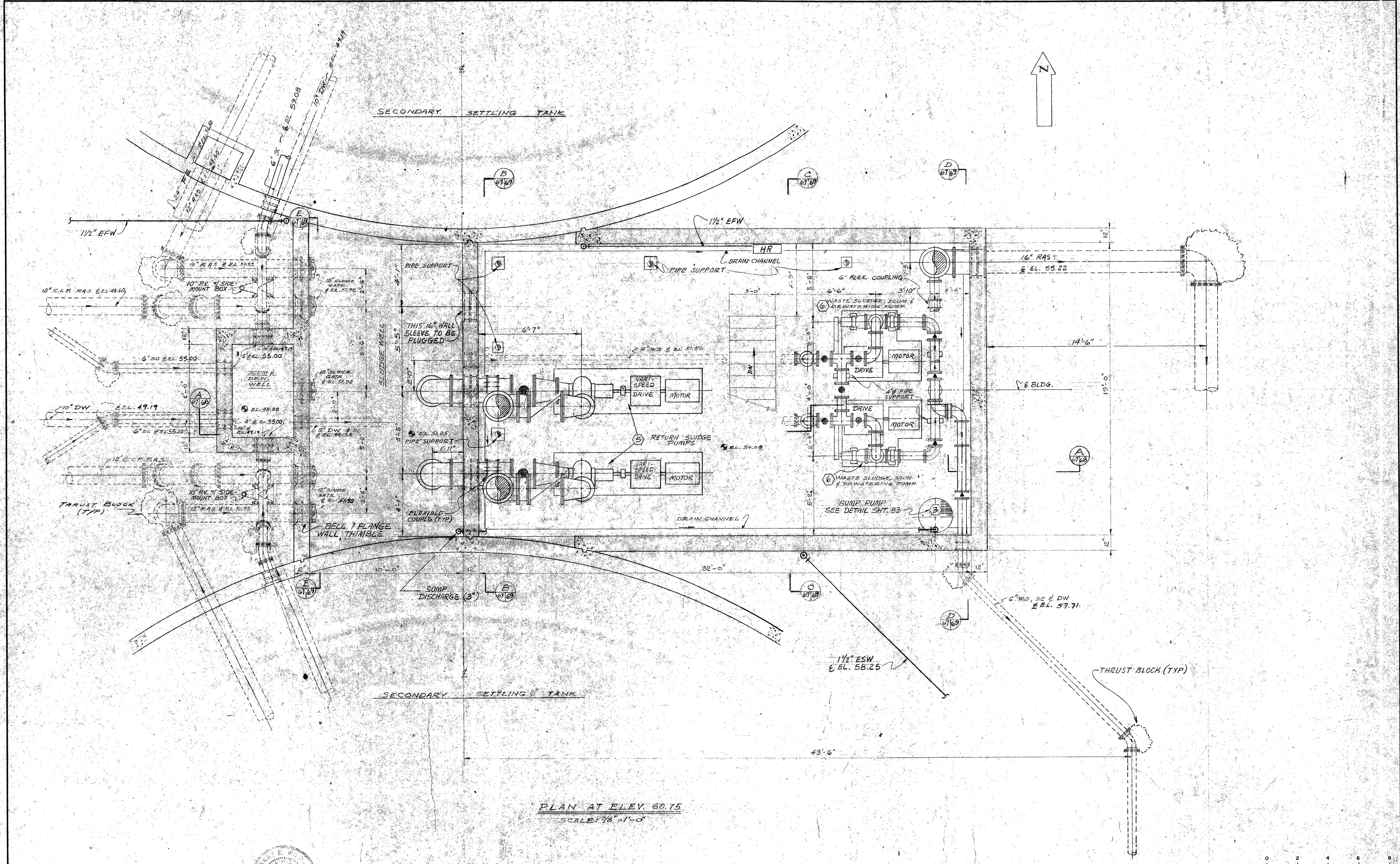
1975 PROJANO.

7236-2A
= I'-O" FILE NO.

OF 142 M- 8437

			DESIGNED	<i>TJH</i>	SUBMITTED BY THAYER, WILCOX & ASSOCIATES PRINCIPAL <i>Steven E. Thayer</i> 3/24/76 PROJECT ENGINEER
			DRAWN	RRW G.H.	
1	3-76	VARIOUS CHANGES	REVISION	BY	CHECKED
REV. NO.	DATE,	REVISION	BY	CHECKED	APPROVED:

STATE OF FLORIDA
TAMPA, FLORIDA



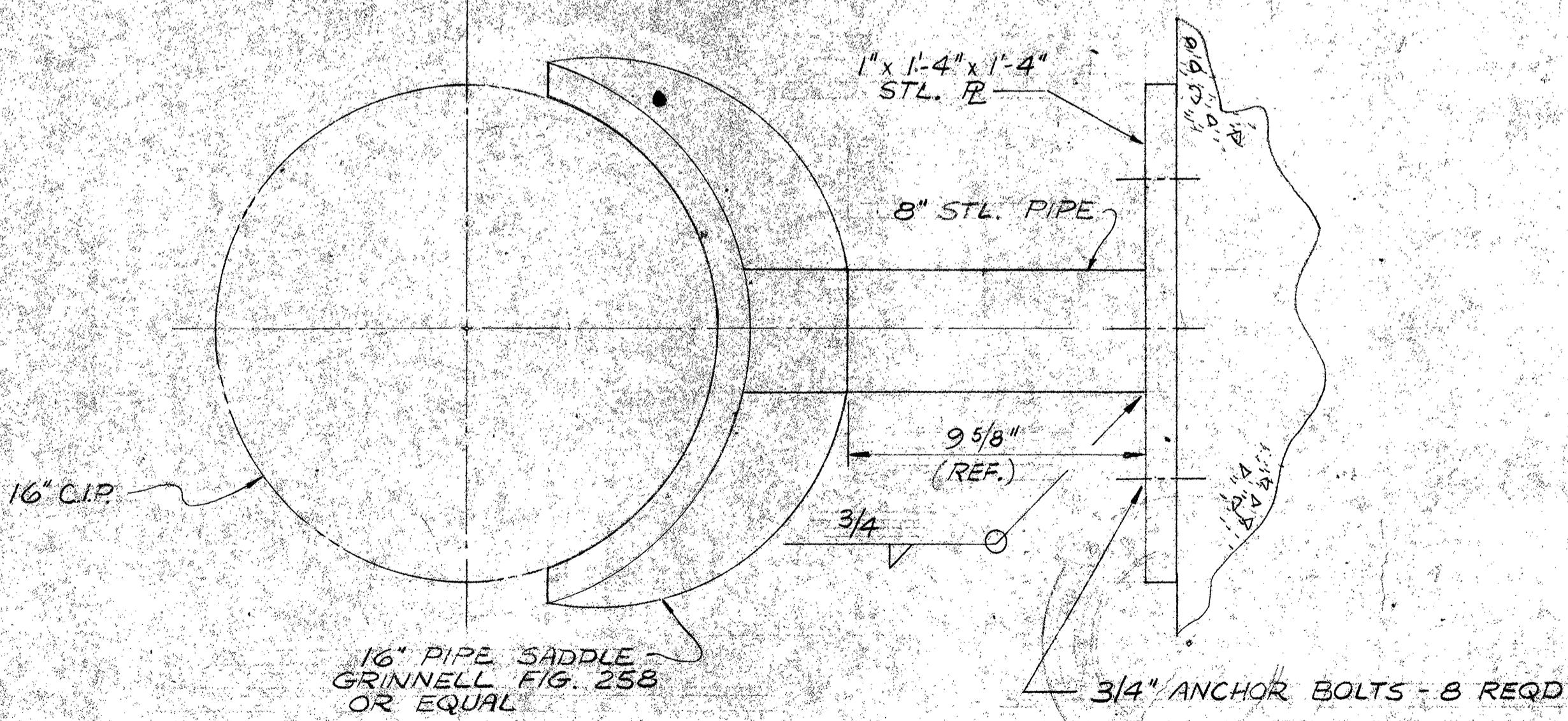
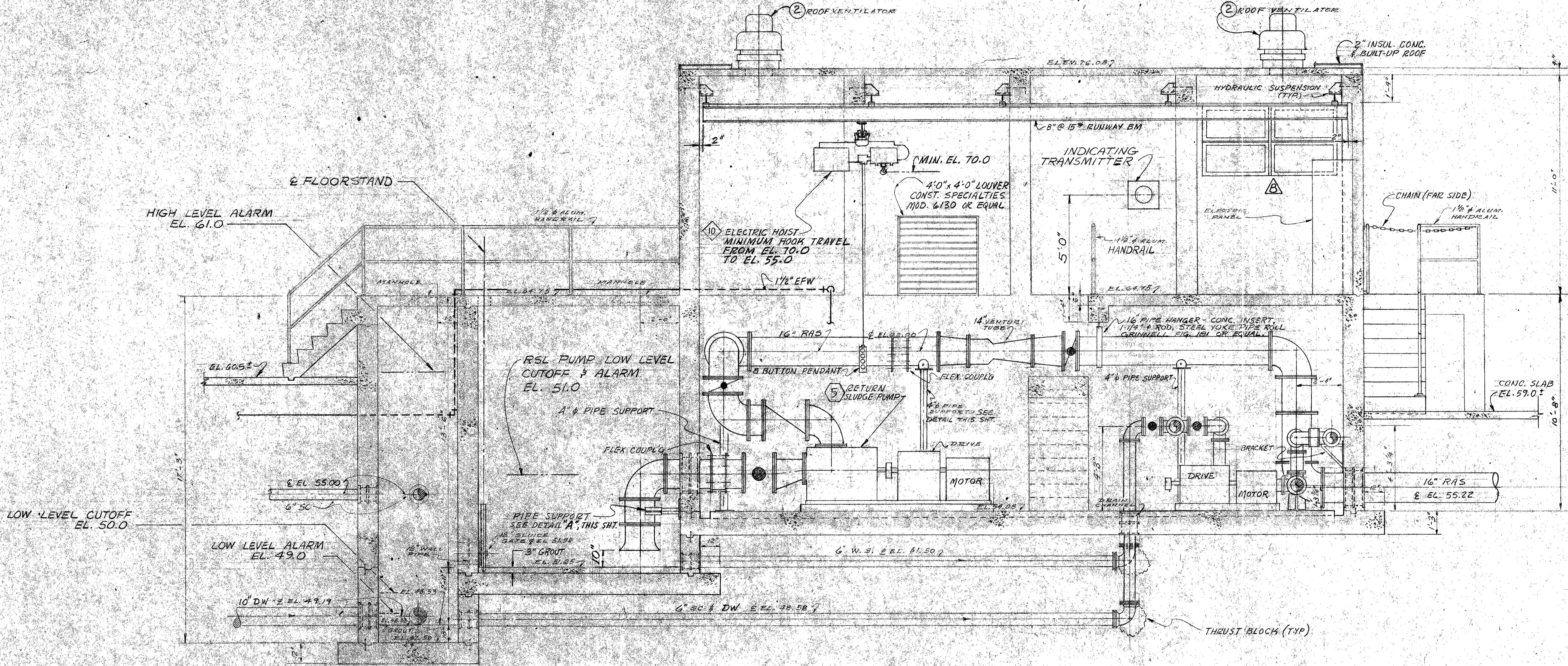
Briley, Wild & Associates
CONSULTING ENGINEERS
TONA BEACH, FLA. CLEARWATER

**NORTHEAST WASTEWATER TREATMENT FACILITY
SECONDARY SETTLING TANKS - DETAILS
CLEARWATER, FLORIDA**

				DESIGNED	SE
				DRAWN	GH
REV. NO.	DATE	REVISION	BY	CHECKED	RRW
1	3-76	6" B.V TO P.V. - MOVED 16" B.V.	R24		

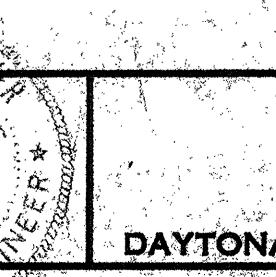
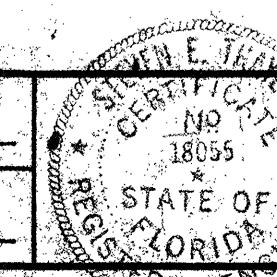


	2	4	6	8
SCALE IN FEET				
SCALE: $\frac{3}{16}$ " = 1' - 0"				
1975	PROJ. NO.			
" = 1' - 0"	7236-2A			
	FILE NO.			
7 OF 142	M - 8438			



PIPE SUPPORT - DETAIL "A"

SCALE: 3" = 1'-0"

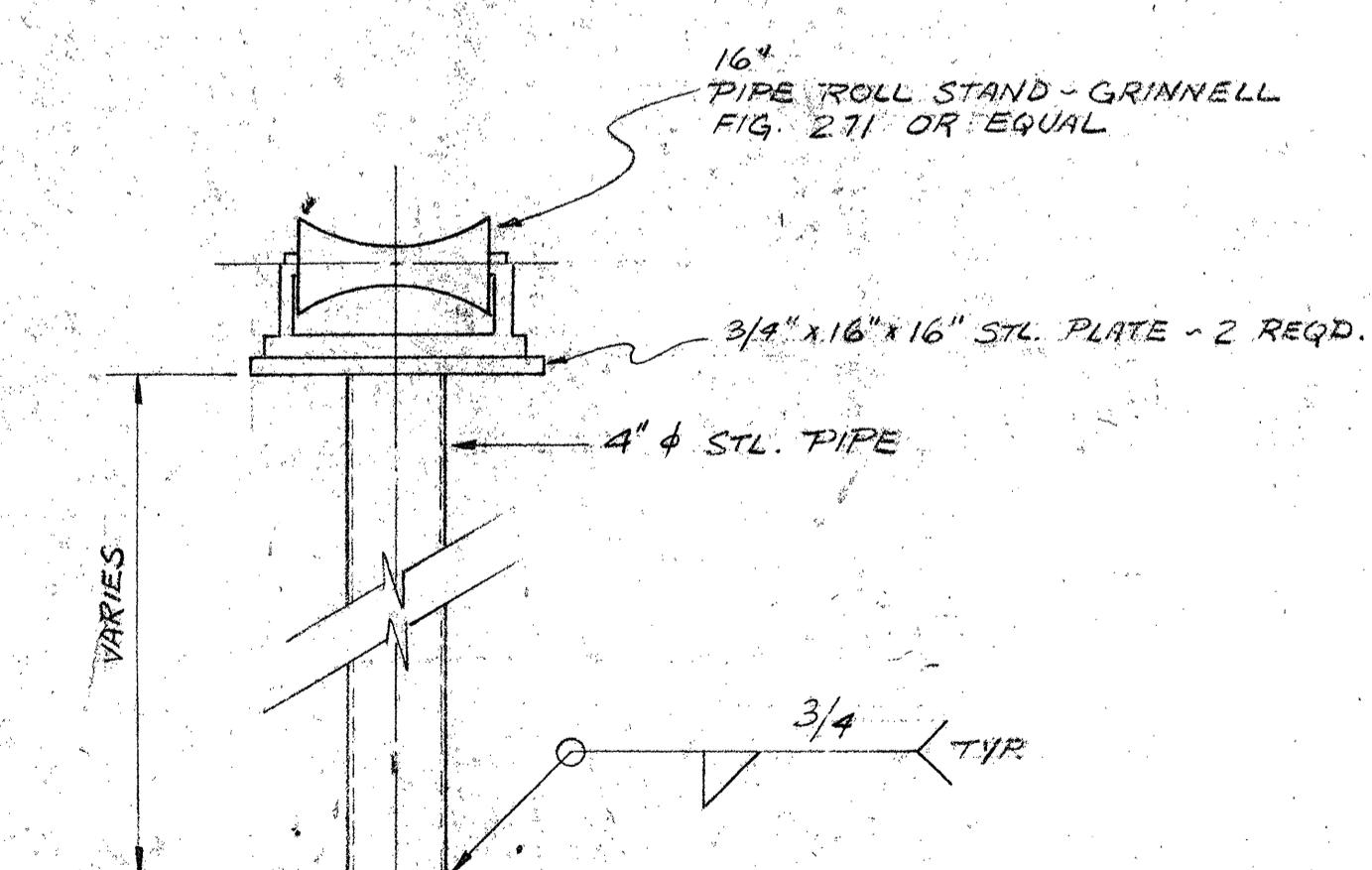


APPROVED:

Signature

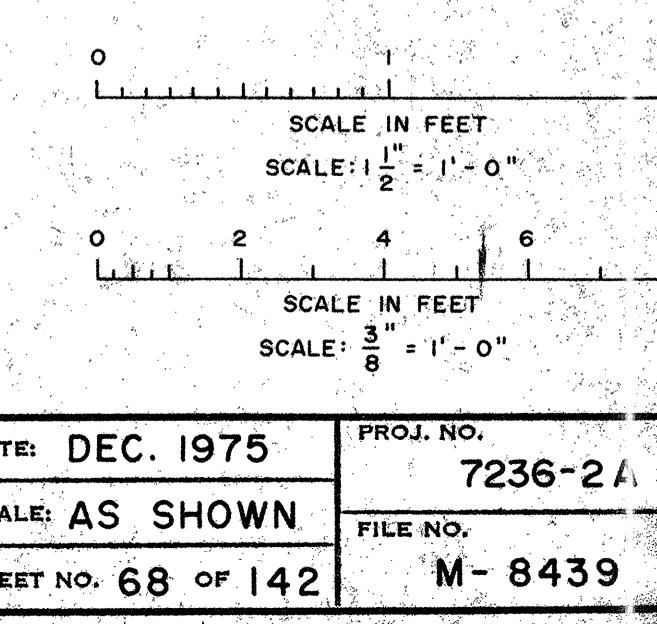
Briley, Wild & Associates
CONSULTING ENGINEERS

DAYTONA BEACH, FLA.



PIPE SUPPORT - DETAIL

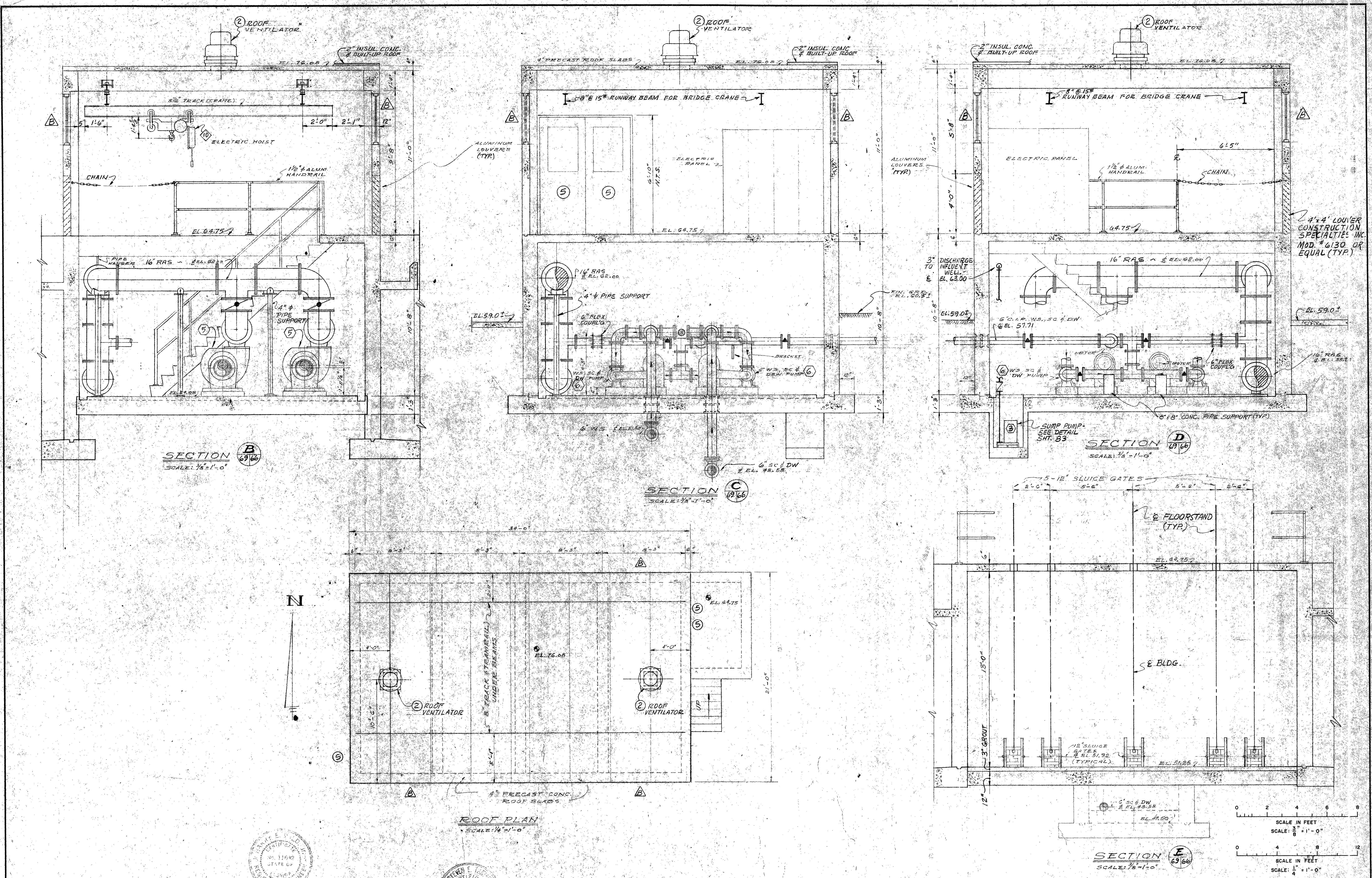
SCALE: NONE



REV. NO.	DATE	REVISION	BY	CHECKED	DESIGNED BY	SUBMITTED BY	CERTIFICATE NO.	APPROVED BY	REG'D. ENGR.

NORTHEAST WASTEWATER TREATMENT FACILITY
SECONDARY SETTLING TANKS - SECTIONS
CLEARWATER, FLORIDA

DATE: DEC. 1975
SCALE: AS SHOWN
FILE NO. 7236-2A
SHEET NO. 68 OF 142
PROJ. NO. M-8439

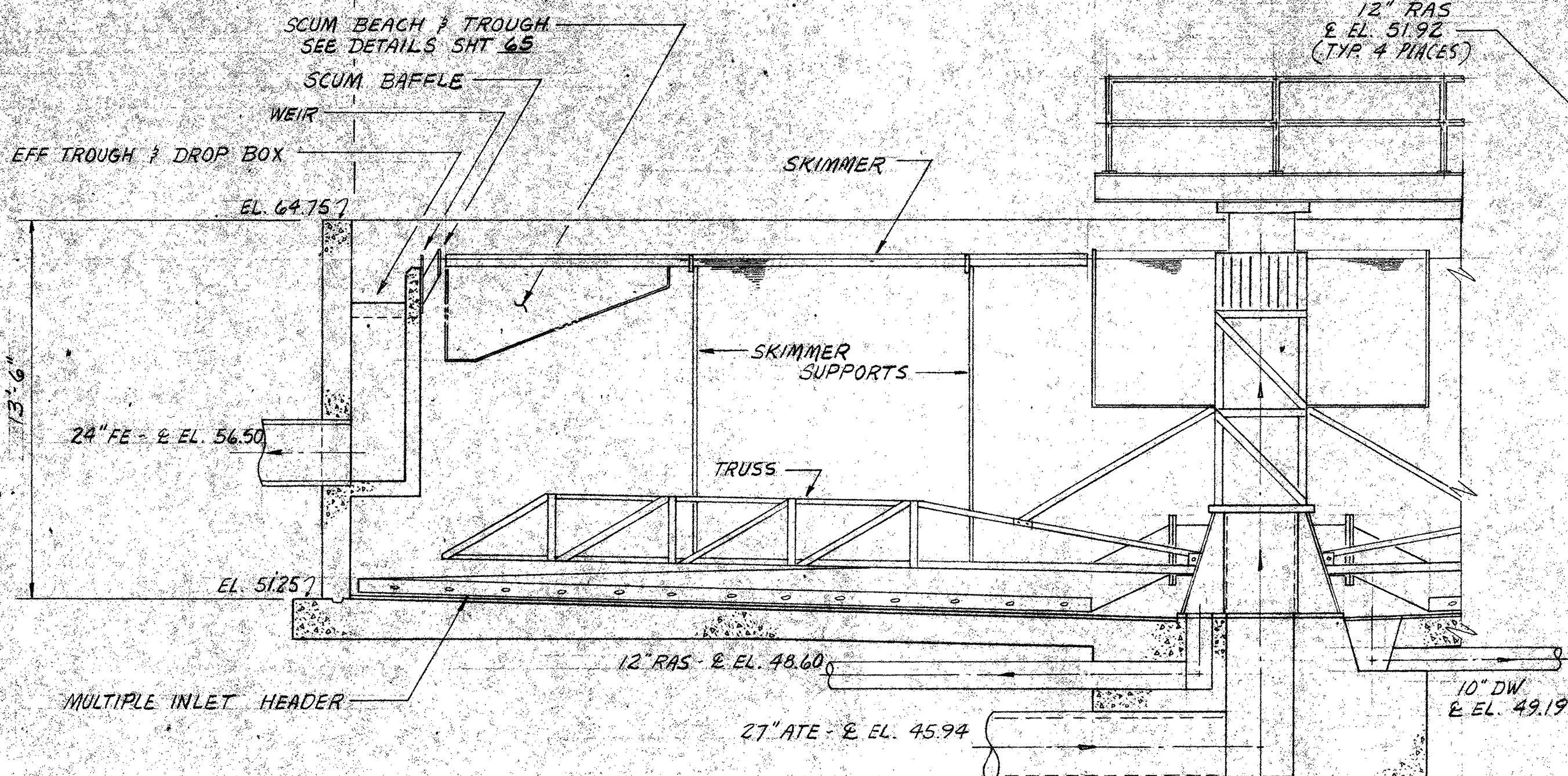


						SUBMITTED: <i>Steven E. Thayer</i> 3/24/76 BRILEY, WILD & ASSOCIATES
				DESIGNED	G.H.	
				DRAWN	RRW	
1	3-76	MADE GATES SQUARE - 6 B.V. TO P.V. MOVED 16" B.V. R2W	REVISION	BY	CHECKED	APPROVED: <i>Henry J. Briley</i>
REV. NO.	DATE					

Briley, Wild & Associates
CONSULTING ENGINEERS
DAYTONA BEACH, FLA. CLEARWATER

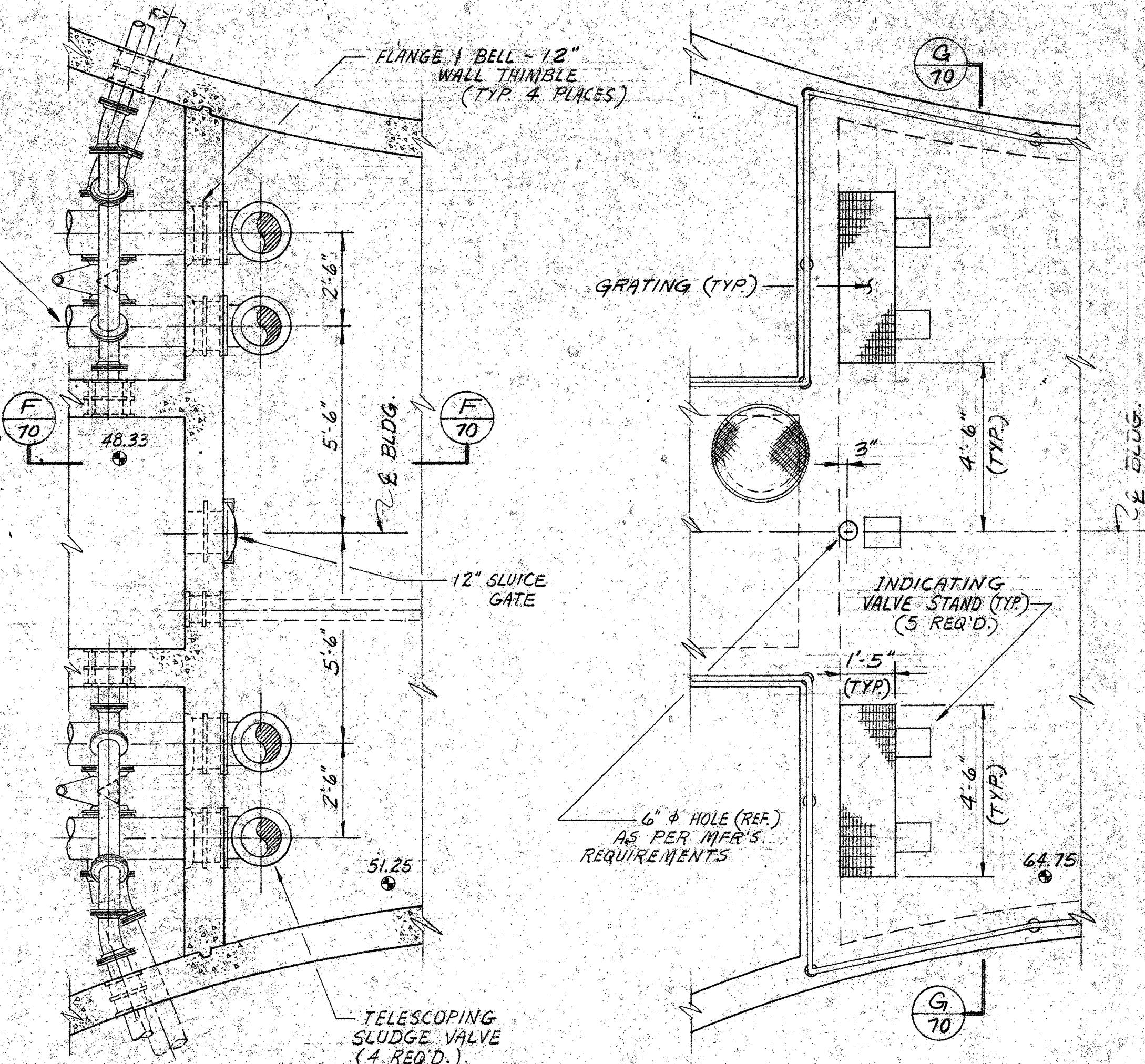
**NORTHEAST WASTEWATER TREATMENT FACILITY
SECONDARY SETTLING TANK - SECTIONS
CLEARWATER, FLORIDA**

DATE: DEC. 1975	PROJ. NO.: 7236-2A
ALB: AS SHOWN	FILE NO.: M-8440
EET NO. 69 OF 142	



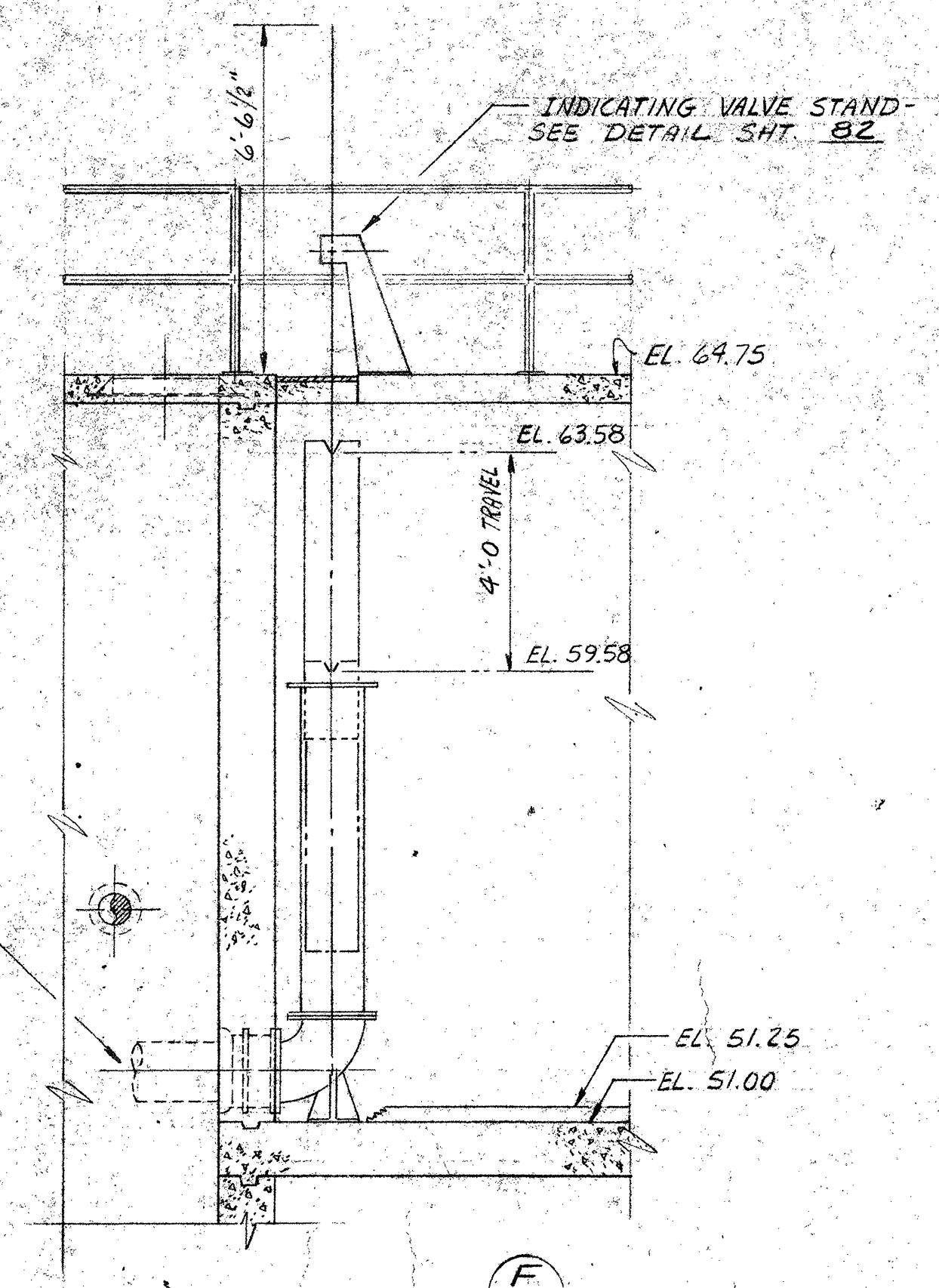
TYPICAL TANK SECTION
(REF. SHT. 65)

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



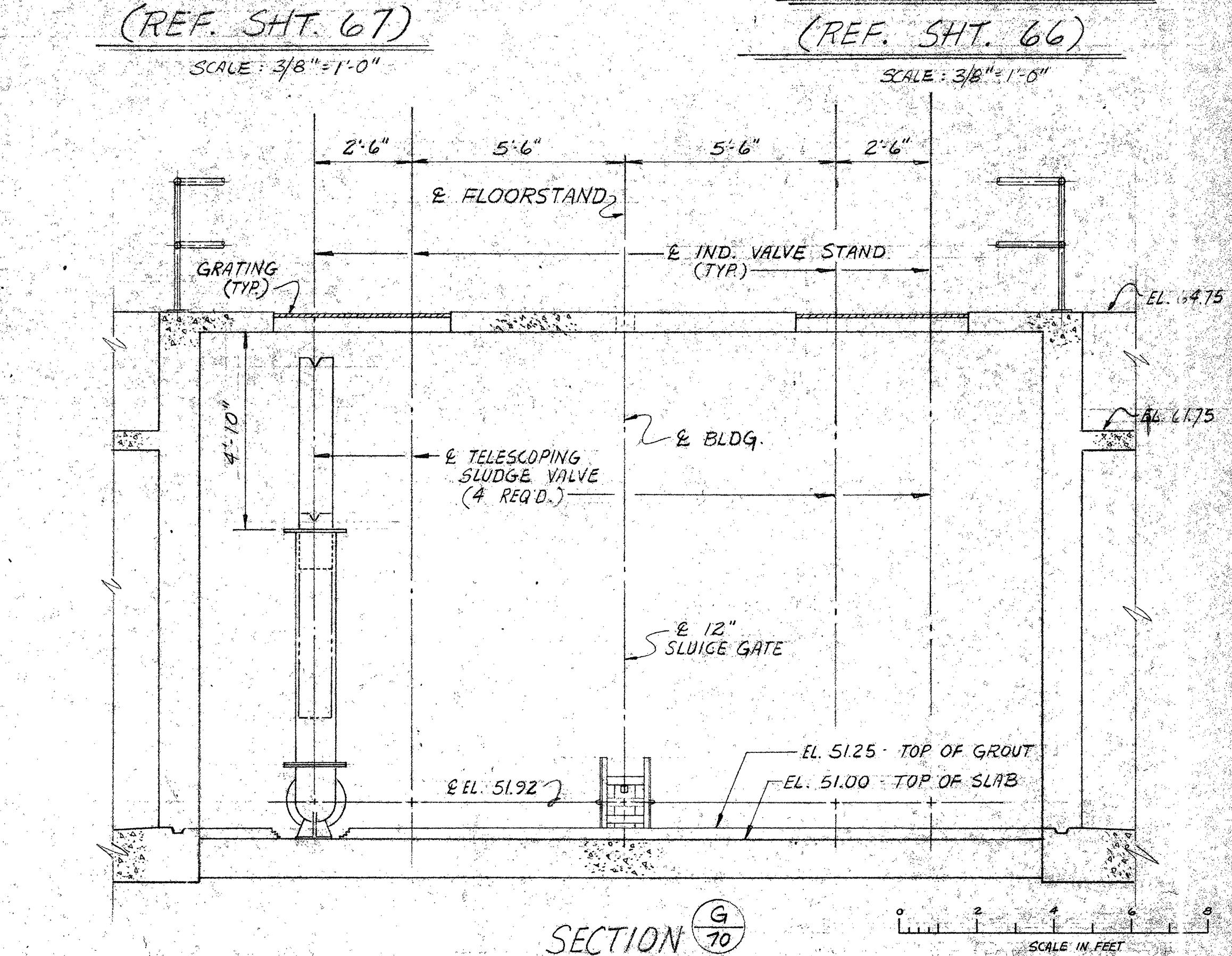
PLAN ABOVE FLOOR
(REF. SHT. 66)

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



SECTION F
70

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



SECTION G
70

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

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

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

MULTIPLE INLET HEADER- ALTERNATE
NORTHEAST WASTEWATER TREATMENT FACILITY
SECONDARY SETTLING TANKS - SECTIONS & DETAILS
CLEARWATER, FLA.

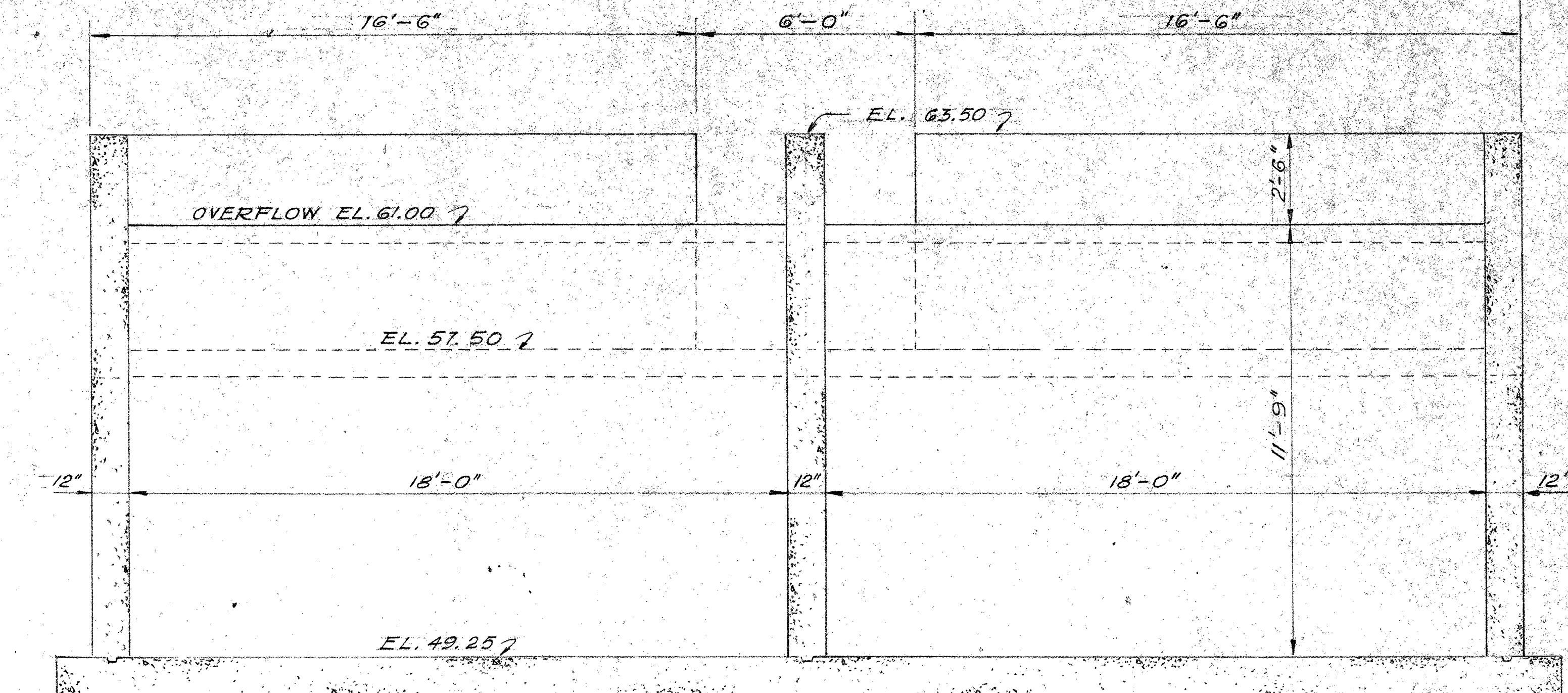
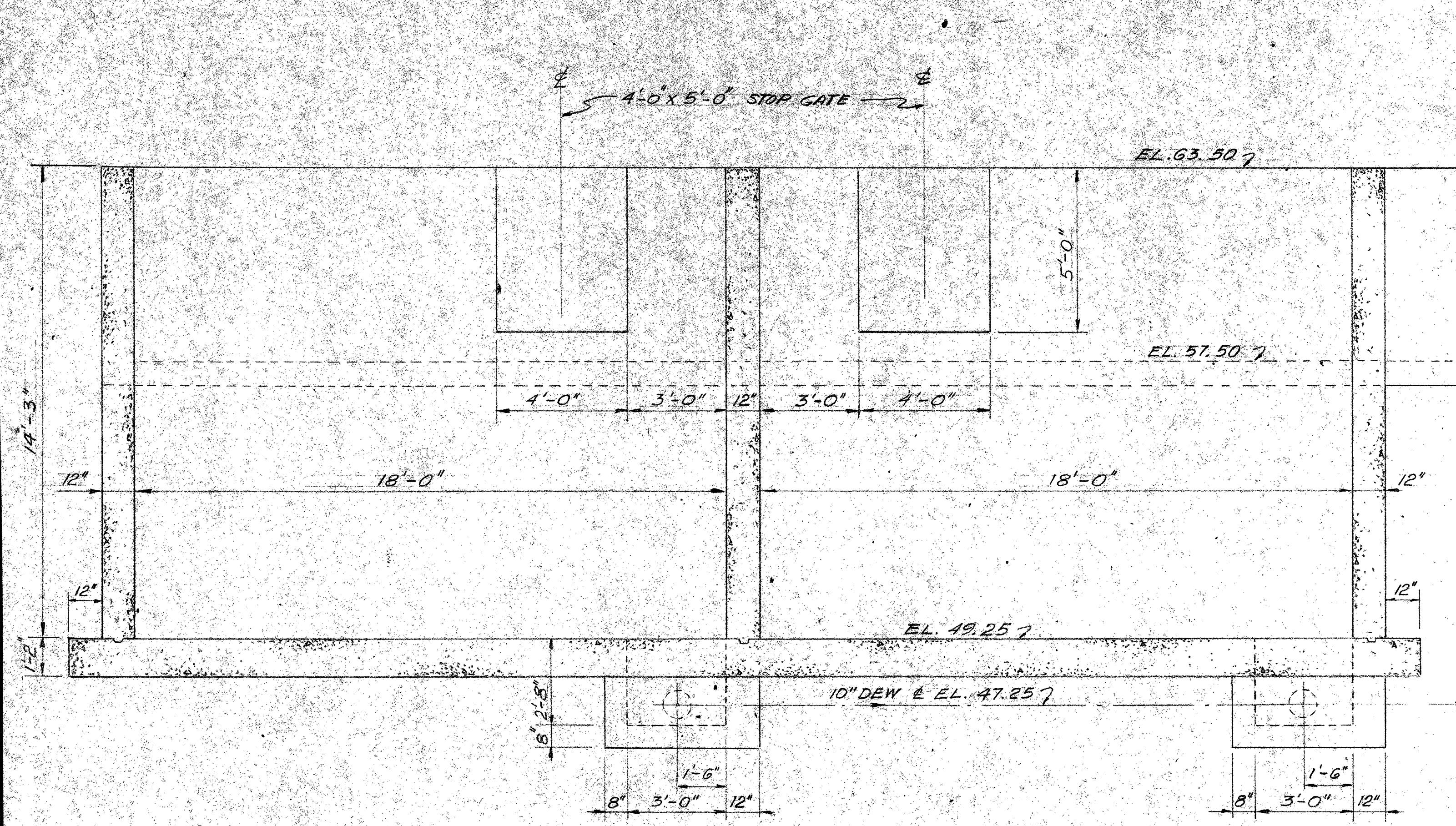
CLEARWATER, FLORIDA

DATE: DEC. 1975 PROJ. NO. 7236-21

SCALE: AS SHOWN FILE NO.

SHEET NO. 70 OF 142 M-8441

REV. NO.	DATE	MADE	SLUICE GATE SQUARE	DRAWN BY	DESIGNED BY	REVIEWED BY
					PRINCIPAL PROJECT ENGINEER	APPROVED
1	3-76	Briley, Wild & Associates CONSULTING ENGINEERS ORMOND BEACH, FLA.	Multiple Inlet Header Alternate	Steven E. Thomas 3/25/76	STEVEN E. THOMAS CERTIFIED No. 11632 STATE OF FLORIDA REGISTERED ENGINEER	

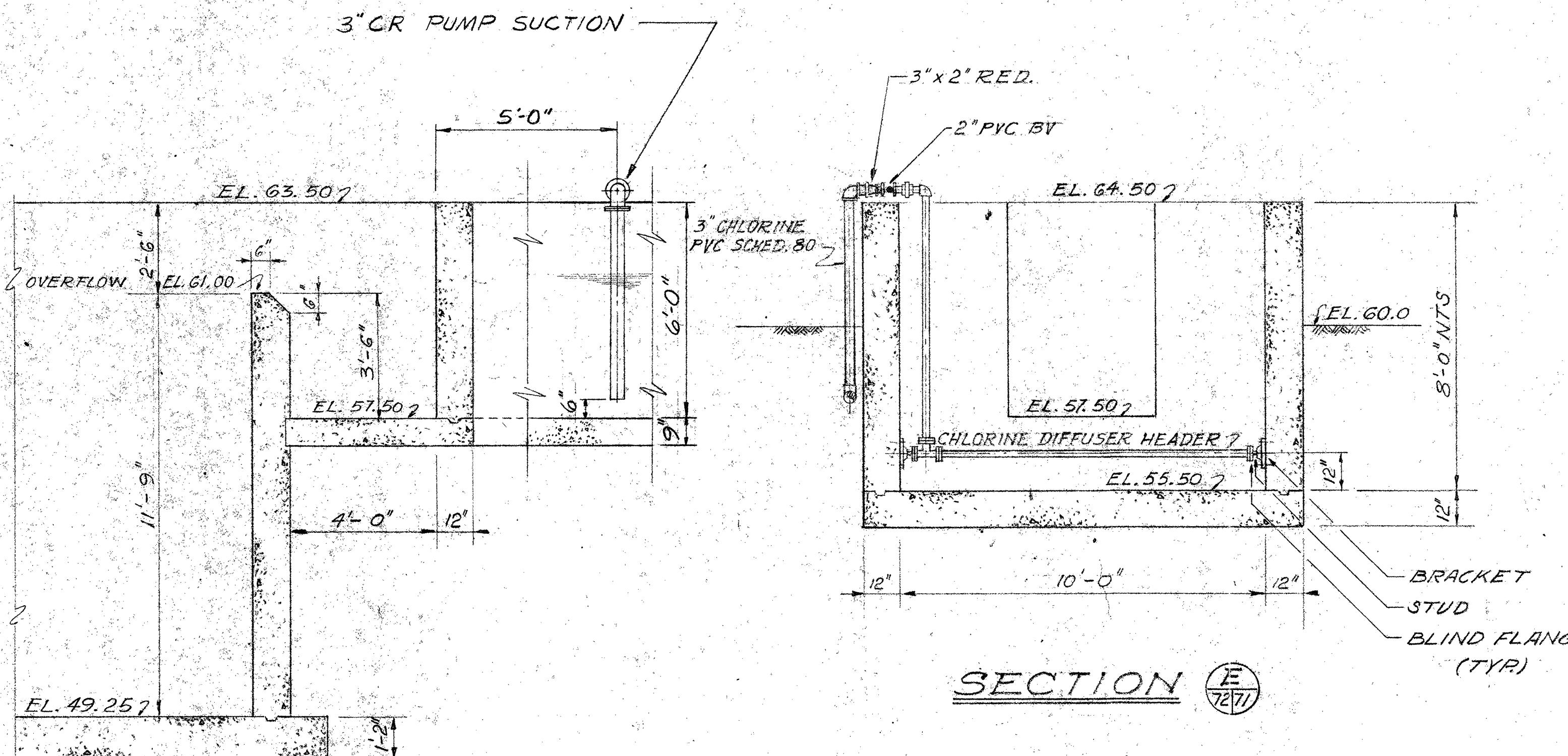
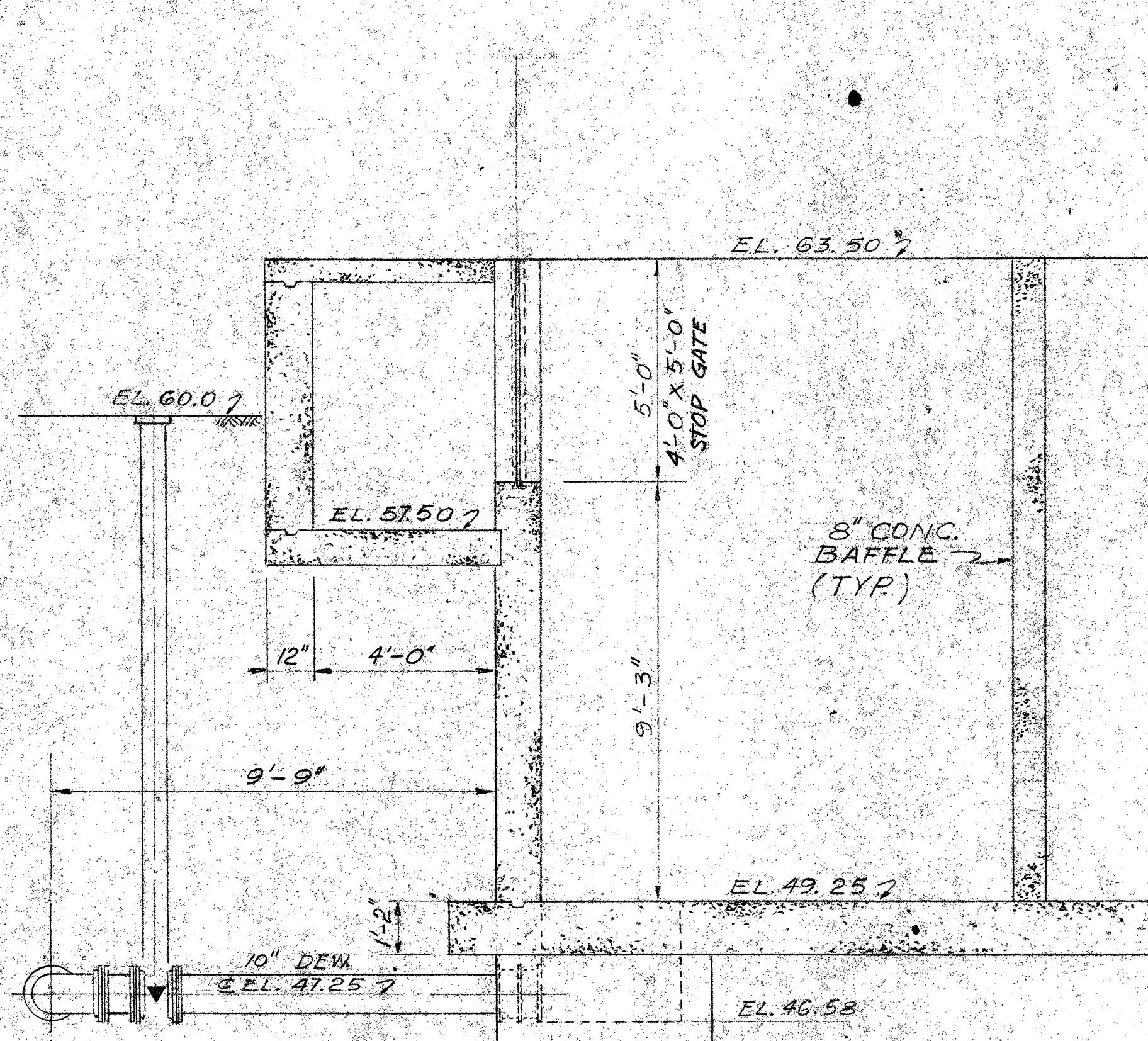


SECTION

(B)
72/71

SECTION

(A)
72/71



SECTION

(E)
72/71

SECTION

(C)
72/71

SECTION

(D)
72/71

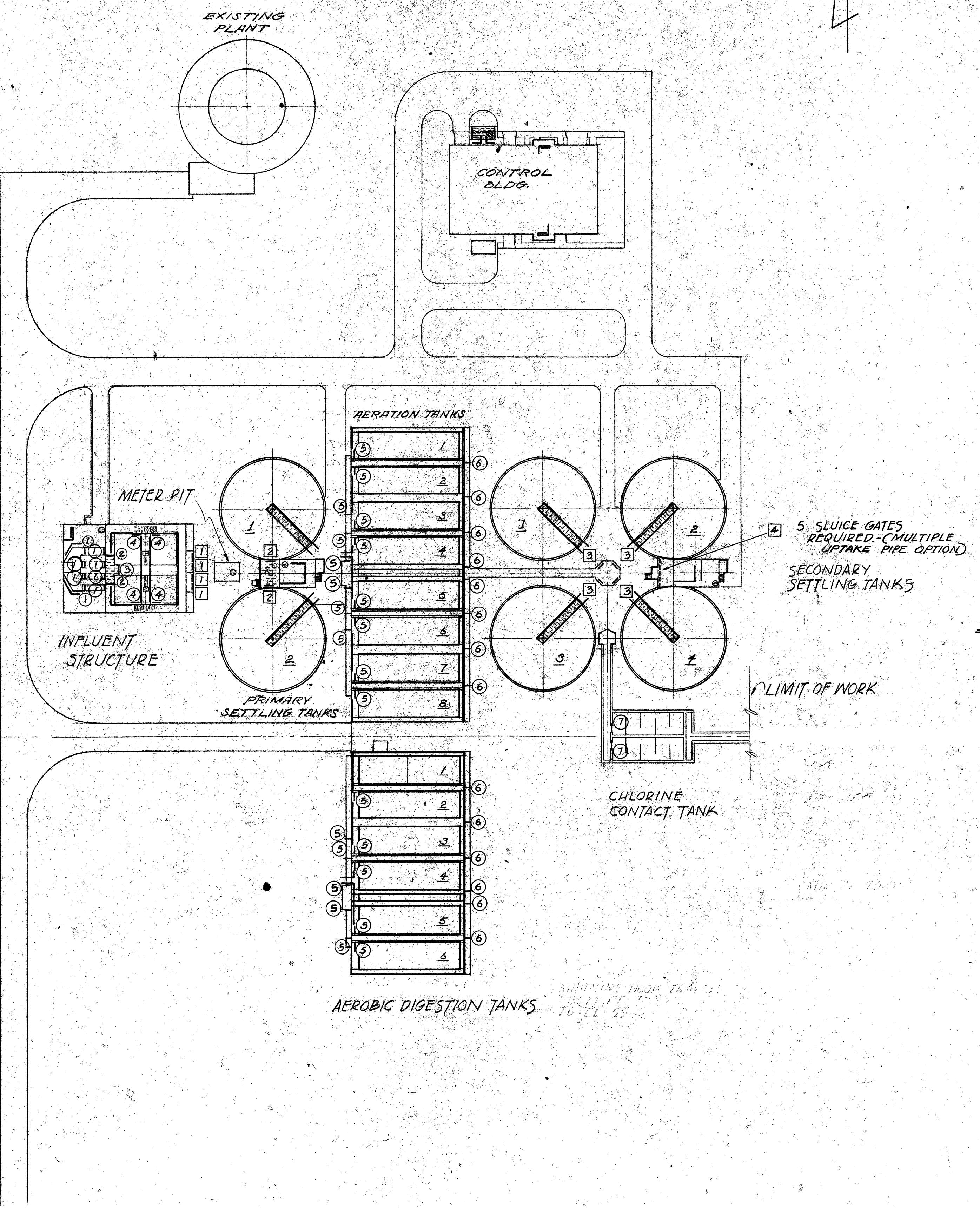
DESIGNED	SE 141
DRAWN	GB GN
REVISION	20W
BY	APPROVED:
REV. NO.	DATE:

STATE OF FLORIDA
REGISTERED ENGINEERS
No. 11662 STATE 03
PROJECT ENGINEER: Steven S. Givens 3/24/76
APPROVED:

Bulley, Wild & Associates
CONSULTING ENGINEERS
ORMOND BEACH, FLA. CLEARWATER, FLA.

NORTHEAST WASTEWATER TREATMENT FACILITY
CHLORINE DETENTION TANKS - SECTIONS
CLEARWATER, FLORIDA

DATE: DEC. 1975
SCALE: 3/8" = 1'-0"
FILE NO. 7236-2A
SHEET NO. 72 OF 142
M-8443



NOTE: 1 SLUICE GATE & 4 TELESCOPING VALVES
REQ'D. FOR MULTIPLE INLET HEADER
OPTION W/GRATING AS SHOWN ON SHT. 70 OF 142.

LEGEND

- 1 SLUICE GATE
 - P STOP GATE

 GRATING

HANDRAIL

			DESIGNED	
			DRAWN	
1	3-76	HANDRAIL ADDED	RRW	CDF
REV. NO.	DATE,	REVISION	BY	CHECKED
				A1

DRAWN BY: R.R.W. DATE: 3-76
C.D.F. APPROVED: 3-76

SUGARLAND, TEXAS
3/24/76

SUBMITTED: BRILEY, WILD & ASSOCIATES	
PRINCIPAL	
Steven E. Thomas 3/24/76	
PROJECT ENGINEER	
APPROVED:	

CLARIFICATION NO. 13065
STATE OF TEXAS
SUGARLAND, TEXAS

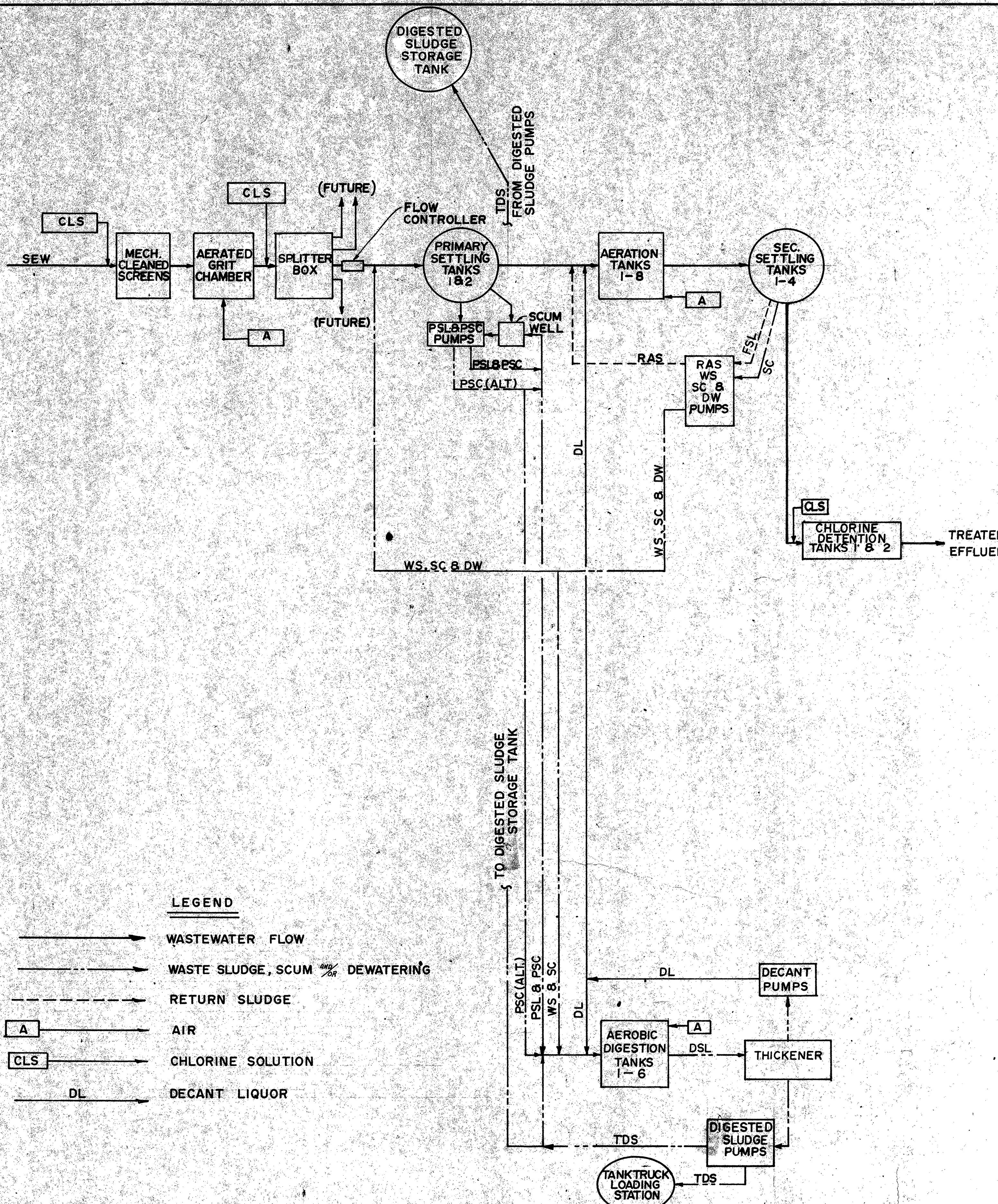
ORM

BRIMFIELD BEACH, MASS.

Associates
ENGINEERS
CLEARWATER, FLA.

NORTHEAST WASTEWATER TREATMENT FACILITY
STOP GATE, SLUICE GATE, GRATING & HANDRAIL - L
CLEARWATER, FLORIDA

DATE: DEC. 1975	PROJ. NO.
CALE: 1" = 50'	FILE NO.
HEET NO. 73 OF 142	M - 8444



REV. NO.	DATE:	REVISION	BY	DESIGNED	SER.
				DRAWN	SAC
				CHECKED	81

RELEASER'S SIGNATURE: STEWART E. WILD
SUBMITTED: BRILEY, WILD & ASSOCIATES
NO. 11632 STATE OF FLORIDA
PRINCIPAL PROJECT ENGINEER: Steven E. Thomas, P.E.
APPROVED: 3/24/76
RELEASER'S SIGNATURE: STEWART E. WILD
SUBMITTED: BRILEY, WILD & ASSOCIATES
NO. 11632 STATE OF FLORIDA
PRINCIPAL PROJECT ENGINEER: Steven E. Thomas, P.E.
APPROVED: 3/24/76

Briley, Wild & Associates
CONSULTING ENGINEERS
ORMOND BEACH, FLA.

NORTHEAST WASTEWATER TREATMENT FACILITY
FLOW SCHEMATIC
CLEARWATER, FLORIDA

DATE: DEC. 1975 PROJ. NO. 7236-2A
SCALE: NONE FILE NO.
SHEET NO. 74 OF 142 SHEET NO. M-8445