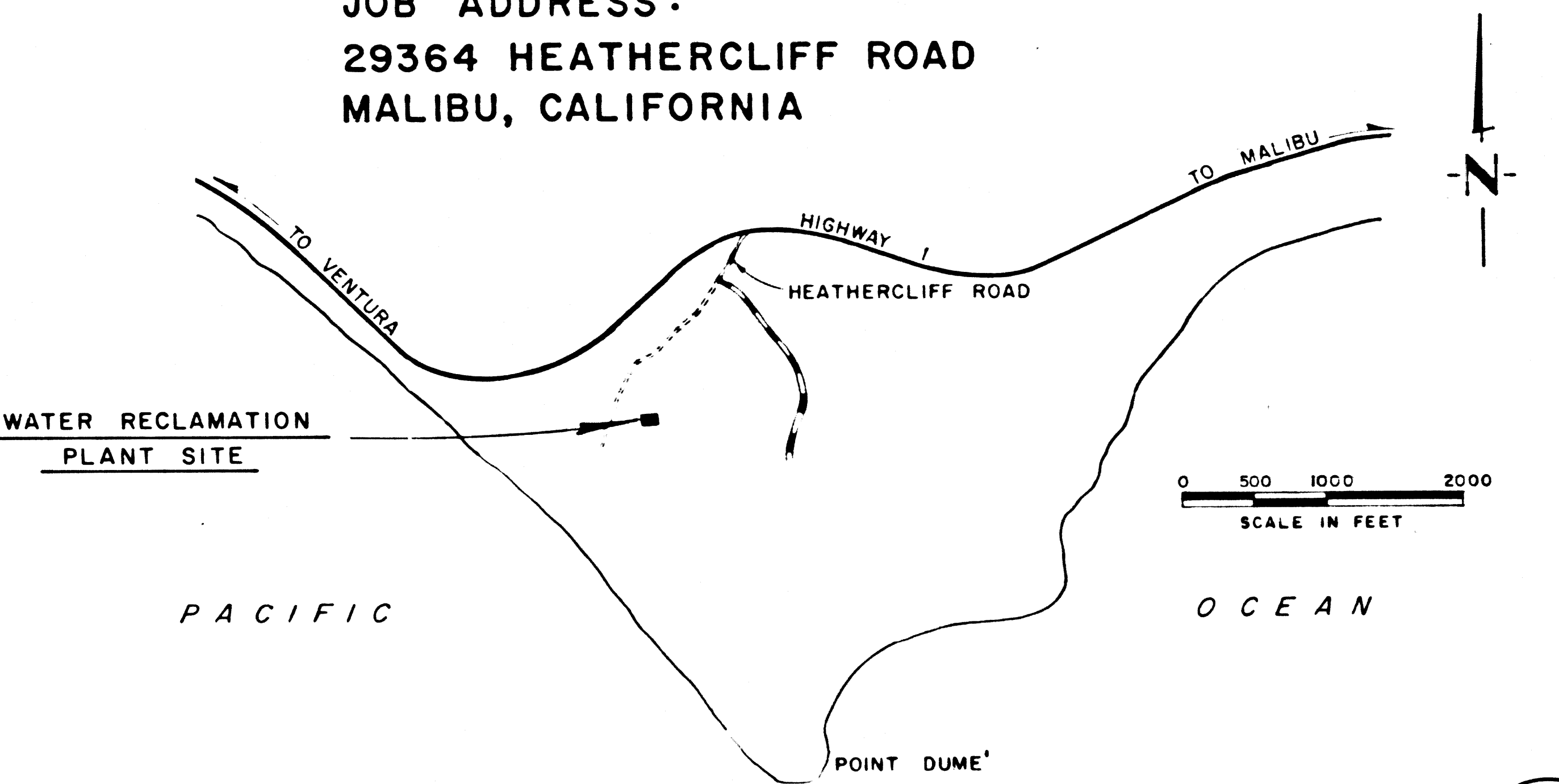
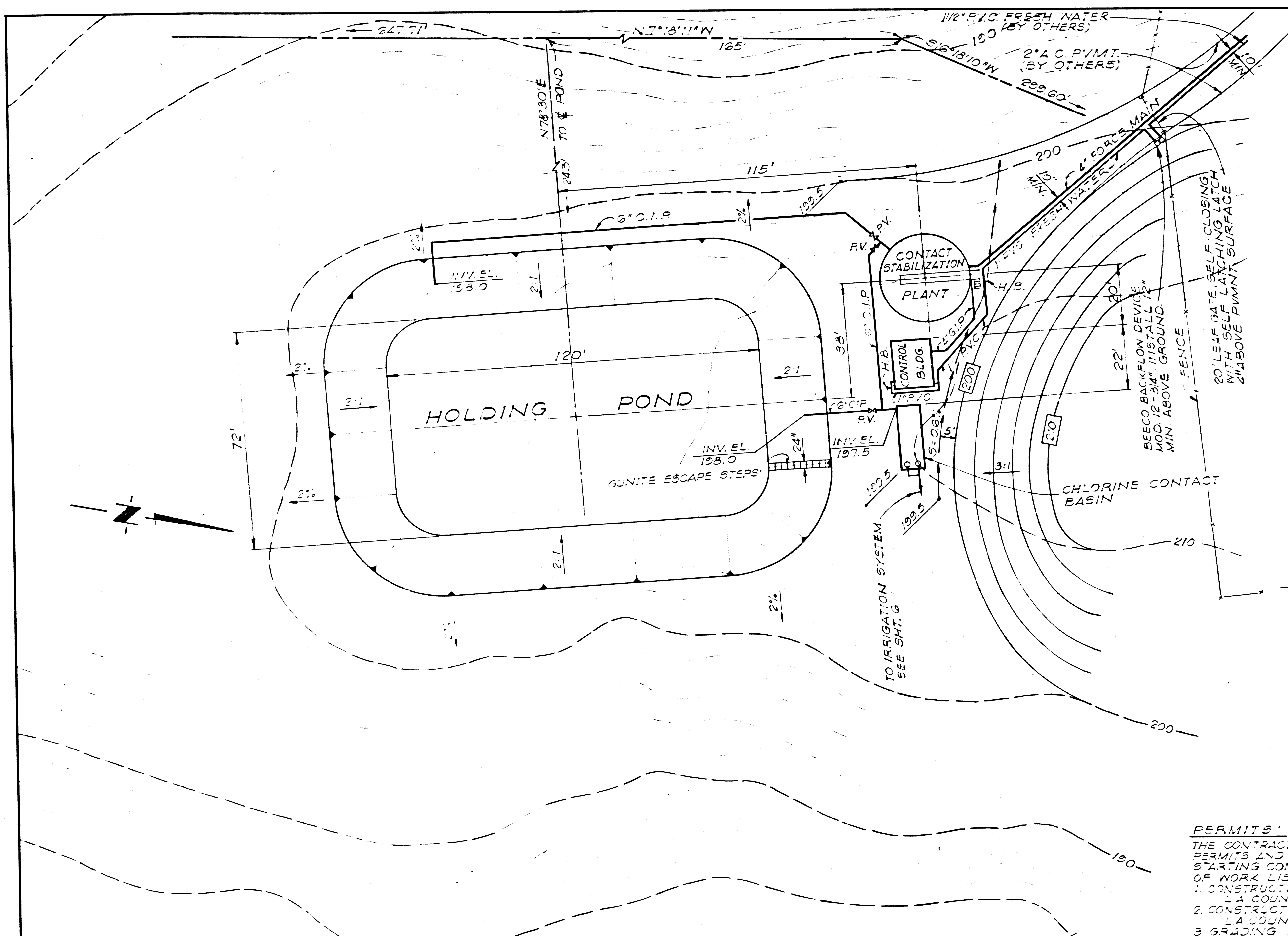


# WATER RECLAMATION PLANT

## FOR

# POINT DUME' CLUB

MOBILE HOME PARK  
PRIVATE CONTRACT NO. 8297  
J.N. 0369.80  
JOB ADDRESS:  
29364 HEATHERCLIFF ROAD  
MALIBU, CALIFORNIA



SHT. NO.	TITLE
1	SITE PLAN & VICINITY MAP
2	PLAN AND SECTIONS
3	CONTROL BUILDING PLAN, ELEVATIONS AND DETAILS
4	CHLORINATION & PUMPING BASIN PLAN AND SECTIONS
5	ELECTRICAL & MECHANICAL DETAILS
6	IRRIGATION SYSTEM
7	SEWAGE PUMPING STATION PLAN AND DETAILS
8	FORCE MAIN PLAN STATION 0+00 TO STATION 22+55

**HORIZONTAL CONTROL:**  
THE BEARING OF 642°24'56"W AS SHOWN FOR THE CENTERLINE OF HEATHERCLIFF ROAD ON THE MAP OF TRACT NO. 17803 RECORDED IN BOOK 438 PAGES 43 TO 46 WAS USED AS THE BASIS OF BEARINGS FOR THIS PROJECT.

### SITE PLAN

PLANT DESIGN DATA	
POPULATION	PLANT CAPACITY
700	72,000 GPD

- PERMITS:**  
THE CONTRACTOR SHALL OBTAIN THE FOLLOWING PERMITS AND PAY THE REQUIRED FEES BEFORE STARTING CONSTRUCTION ON ANY OF THE PHASES OF WORK LISTED BELOW:  
1. CONSTRUCTION & OPERATING PERMIT  
2. CONSTRUCTION PERMIT  
3. GRADING PERMIT  
4. ELECTRICAL PERMIT  
5. PLUMBING PERMIT  
6. BUILDING PERMIT

**NOTE:**  
APPROVAL OF THESE PLANS IS BASED ON ACCEPTANCE IN THE BID SUBMITTAL OF A SEWAGE PUMPING STATION IN ACCORDANCE WITH SEC. 1401-1407 OF THE SPECIFICATIONS IN THE BID SUBMITTAL OF A PUMP STATION IN ACCORDANCE WITH SEC. 1408 OF SPEC. WILL REQUIRE APPROVAL BY THE COUNTY OF APPROPRIATE PLAN SUBMITTALS THEREFORE BEFORE CONSTRUCTION PERMITS WILL BE ISSUED.  
BACKFLOW DEVICE IS APPROVED BY MALIBU WATER CO. & STATE HEALTH DEPARTMENT

**BENCH MARK:** 116 48-121 (DUME' POINT L-10B)  
SACRED COAST HWY & HEATHERCLIFF RD. ON WEST SIDE OF HWY 1800' 240' EAST OF ROAD, 258' NELY OF A L & T. IN HWY CURB OF HWY 1800' STAKE & 68' SELY OF PWR POLE #1095724E AL. EL. 200.563 (1964)  
DATUM: USC 83S DUME' POINT L-10B-RE 8297-1050  
REF: FB. #1969 0 103

COUNTY OF LOS ANGELES, CALIFORNIA  
JOHN A. LAMBIE COUNTY ENGINEER  
CHECKED BY: *Rodolph J. Yelovich* 6-26-69  
DESIGN ENGINEER R.C.E. 14390  
APPROVED BY: *Ronald M. Cron* 6-26-69  
ASSISTANT DIVISION ENGINEER DATE

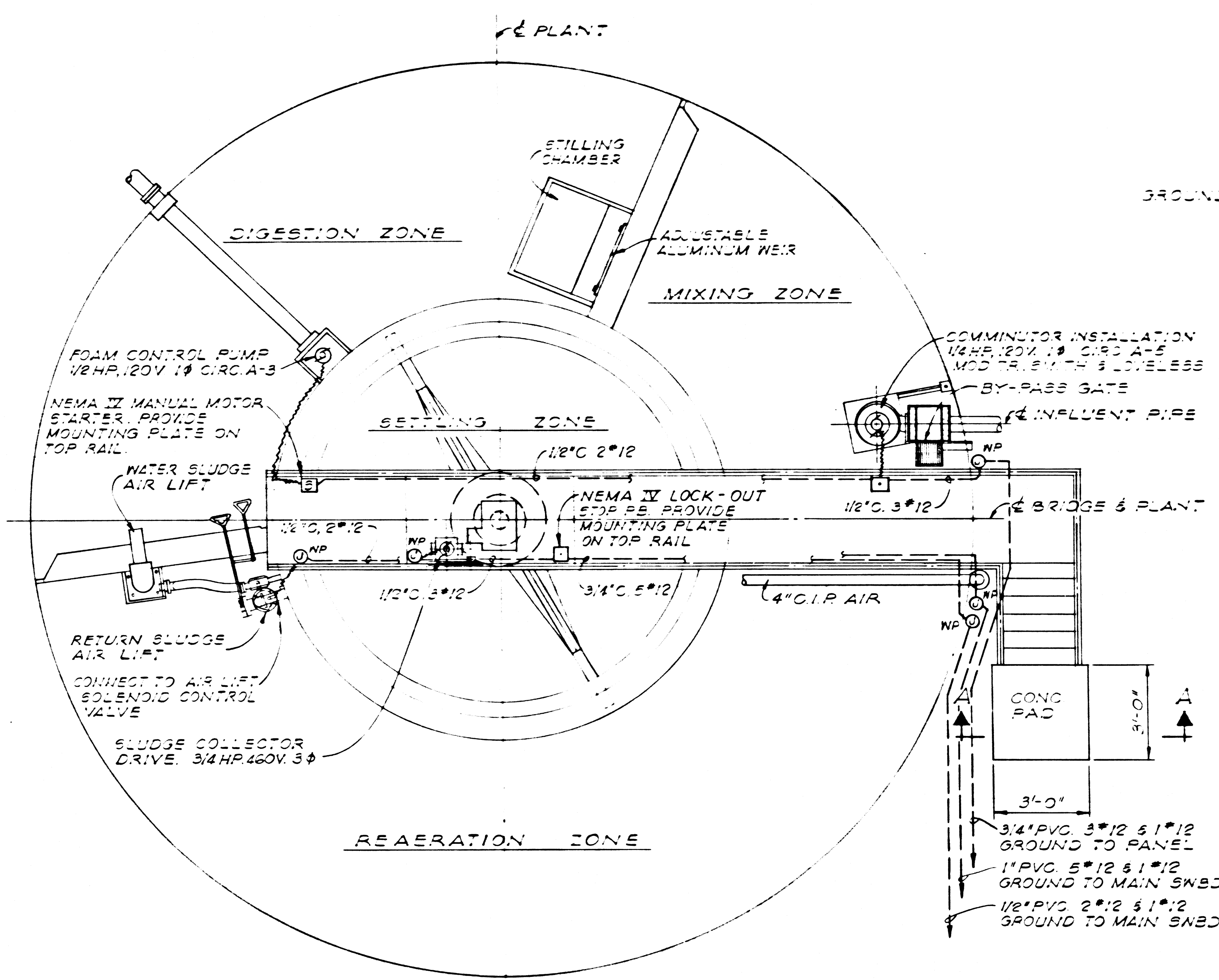
LOS ANGELES COUNTY HEALTH DEPARTMENT  
APPROVED BY: *W. H. M. Nichols* 6-27-69  
HEALTH OFFICER DATE

THE ADAMSON COMPANIES  
SANTA MONICA, CALIFORNIA  
**WATER RECLAMATION PLANT**  
**SITE PLAN & VICINITY MAP**

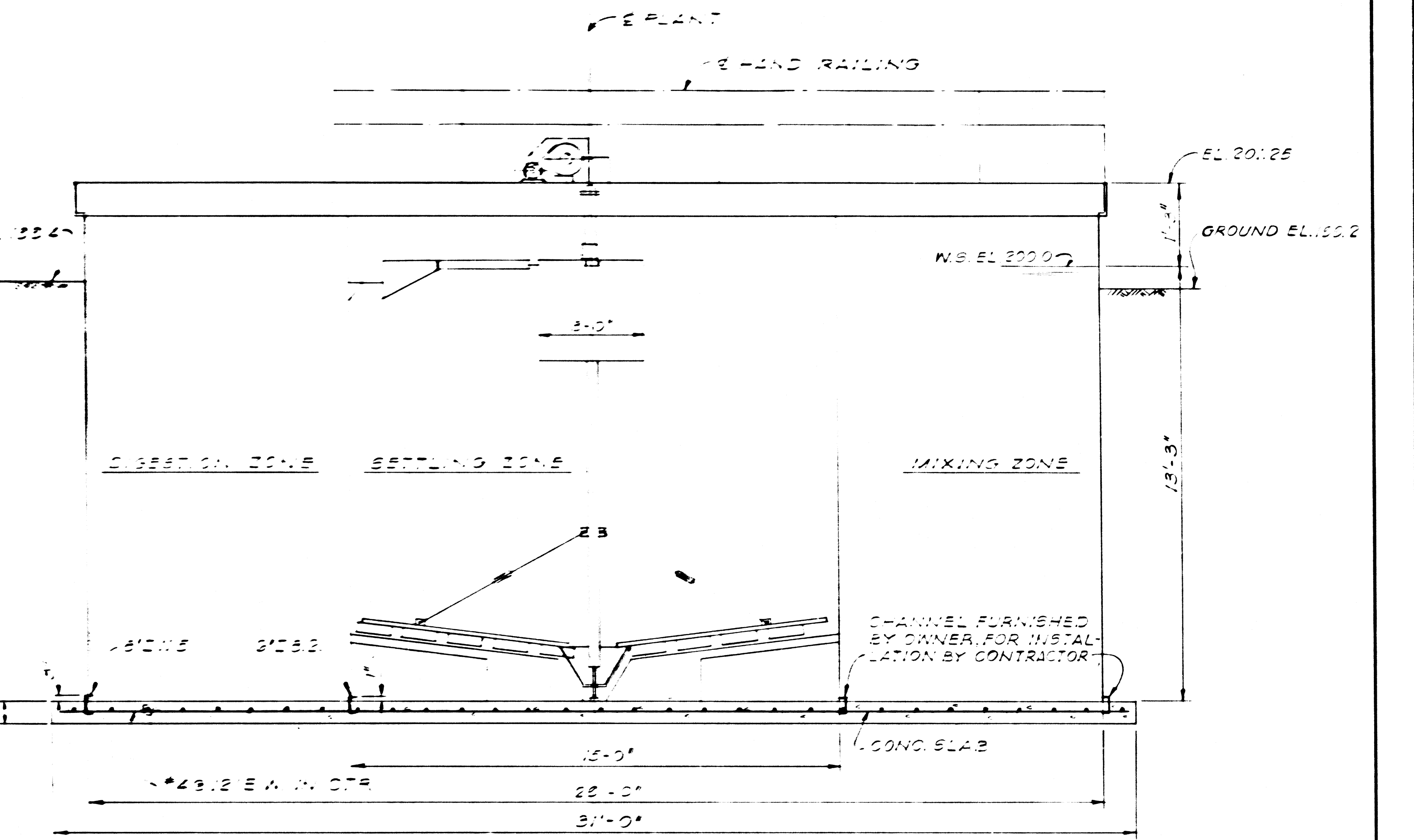
APPROVED: <i>James A. Luley</i> 5/7/69	DATE				
DESIGNED: KIM					
DRAWN: GEN					
CHECKED: KIM					
REV.	DATE	DESCRIPTION			

SCALE: 1" = 20'  
SHEET 1 OF 8 SHEETS  
KIM  
KENNETH I. MULLEN  
CONSULTING ENGINEER  
1045 W. HUNTINGTON DR. ARCADIA, CALIFORNIA  
(213) 445-2212

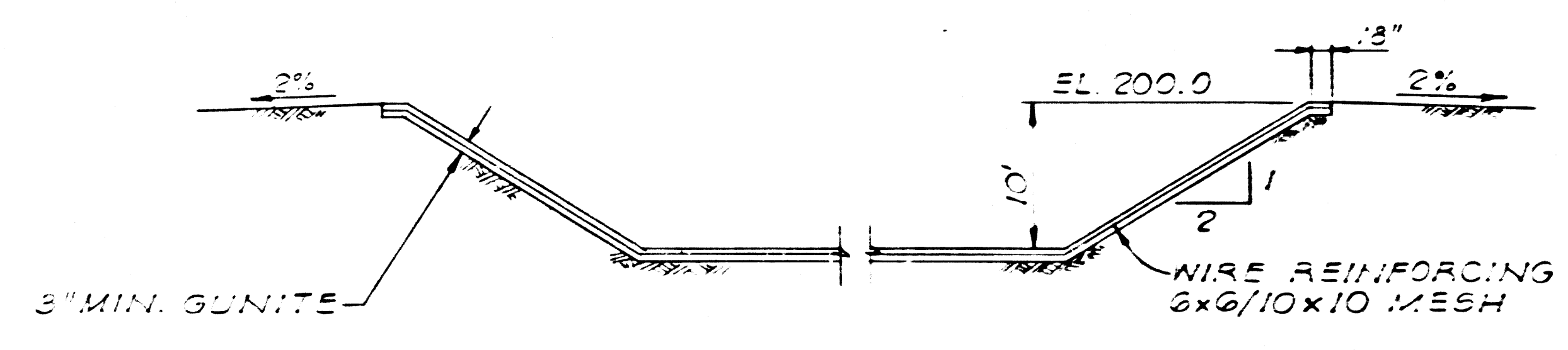




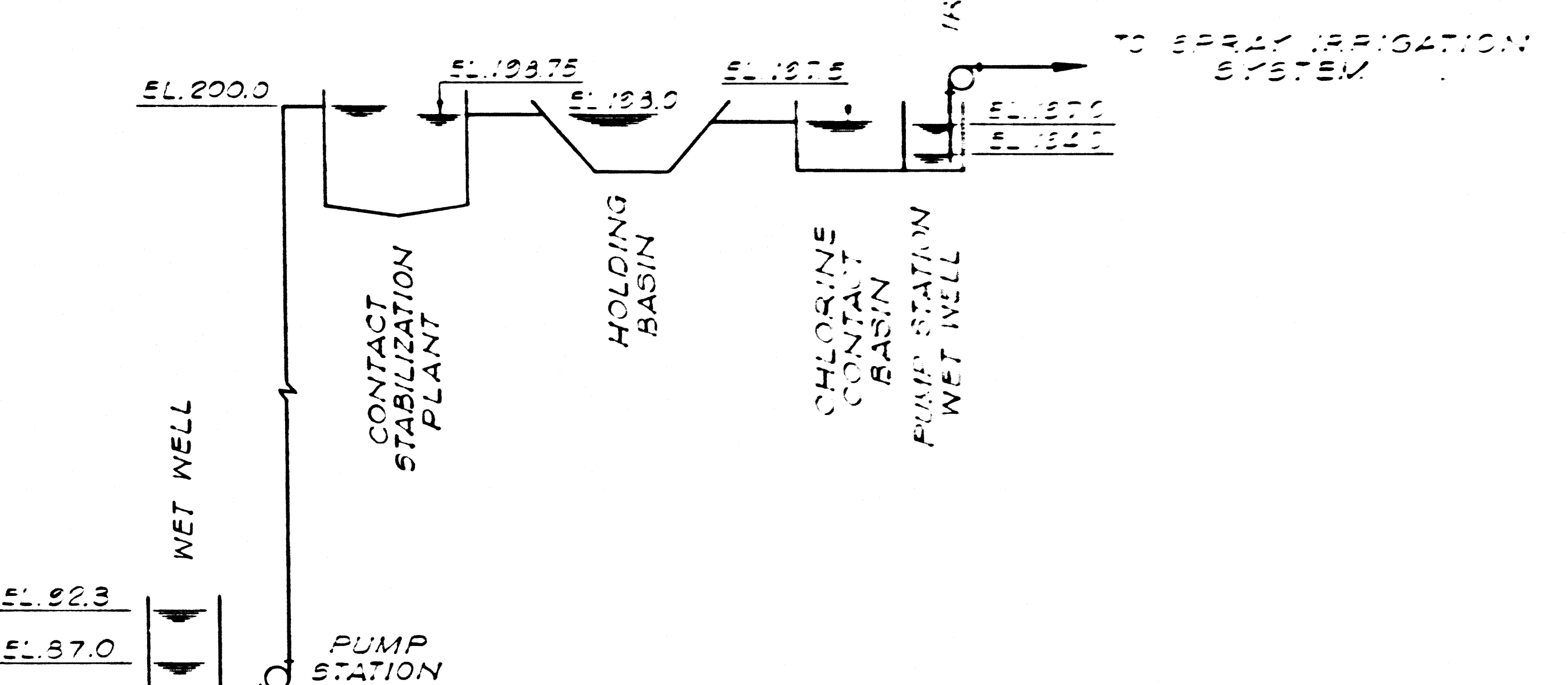
PLAN  
SCALE 3/8"=1'-0"



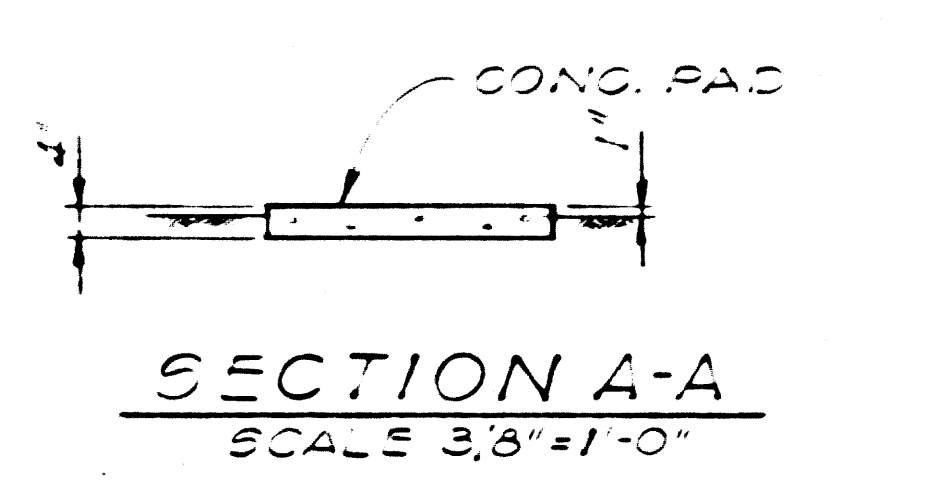
SECTIONAL ELEVATION  
SCALE 3/8"=1'-0"



TYPICAL SECTION  
GUNITE LINING-HOLDING POND  
NO SCALE



HYDRAULIC PROFILE



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

42487

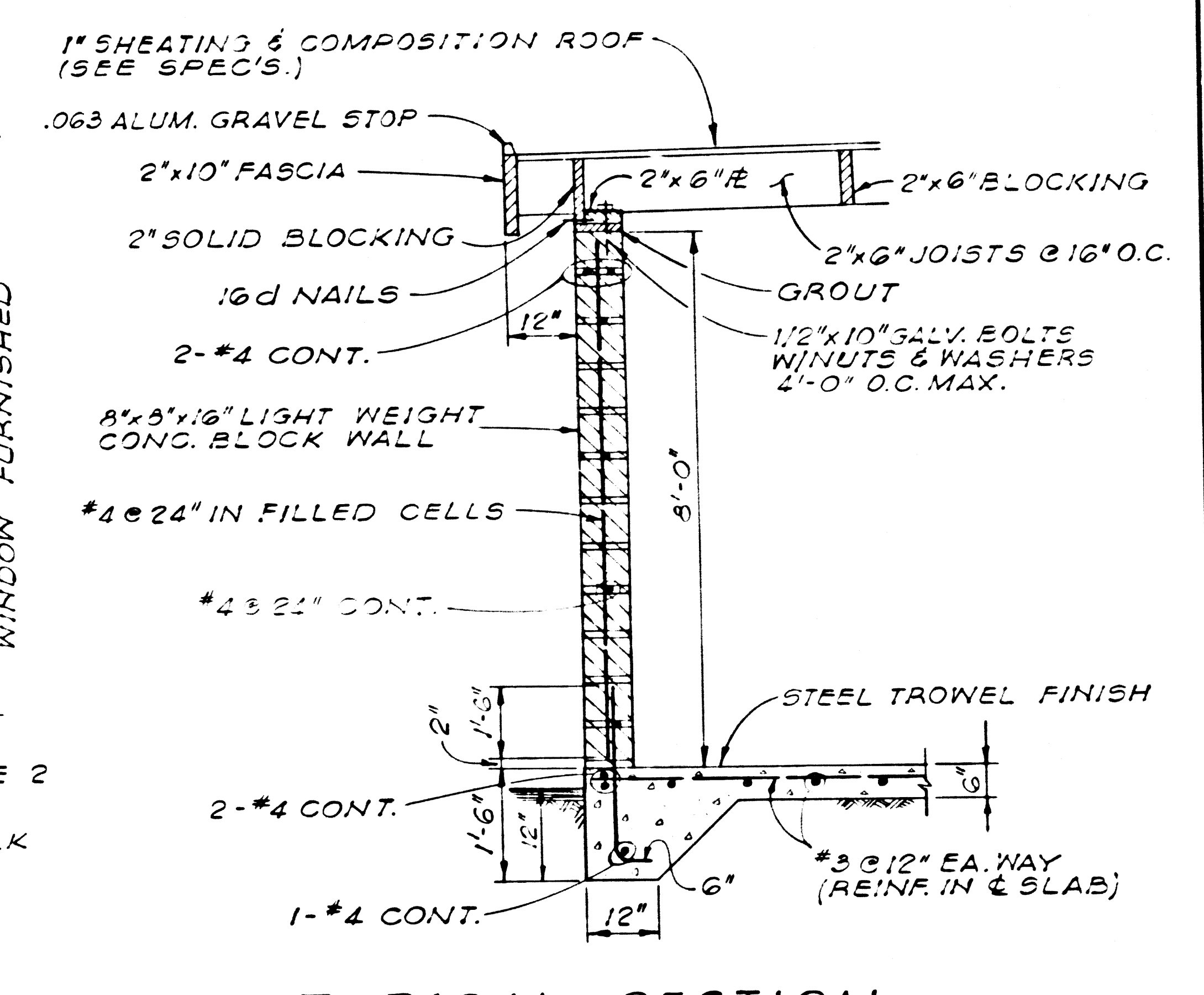
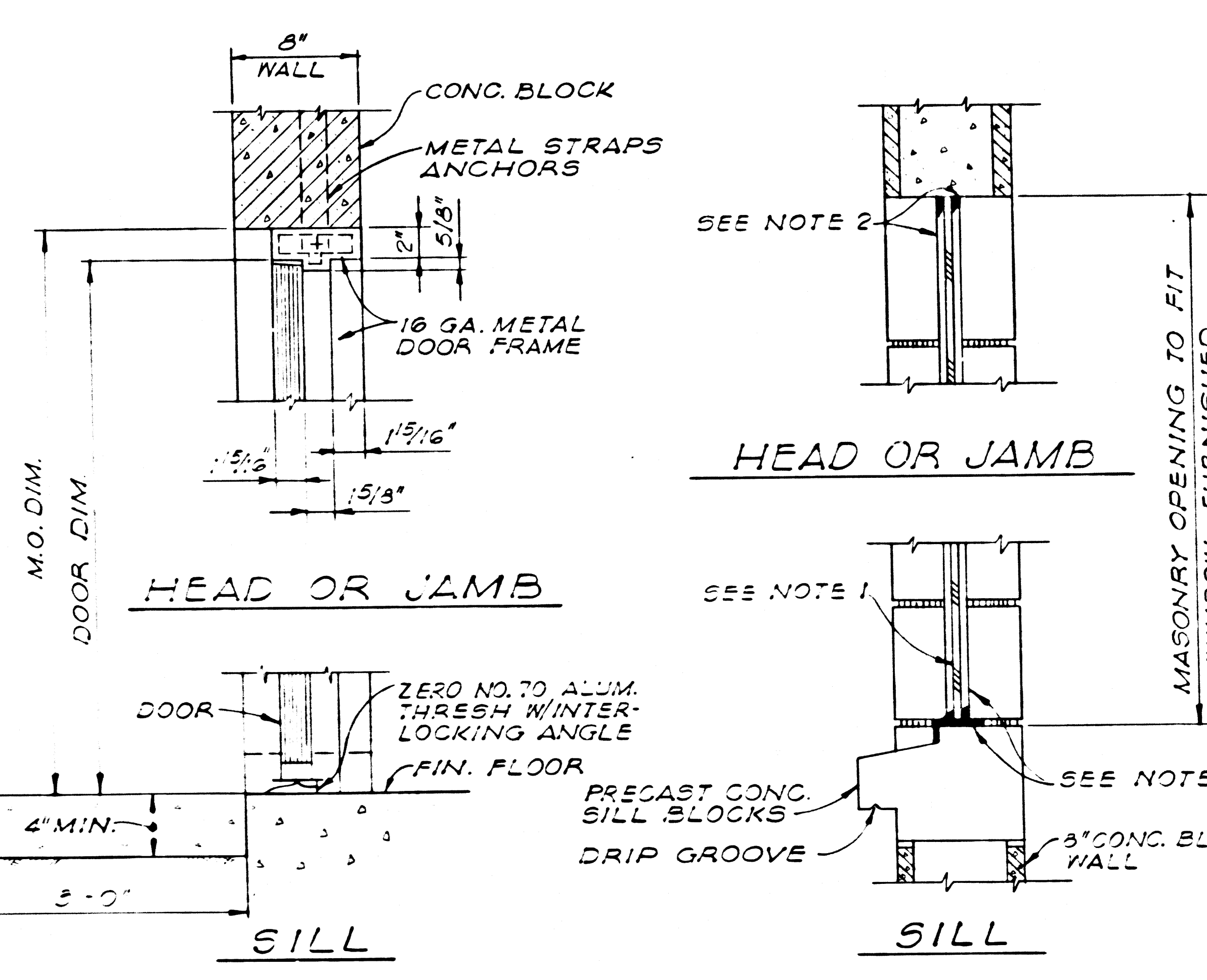
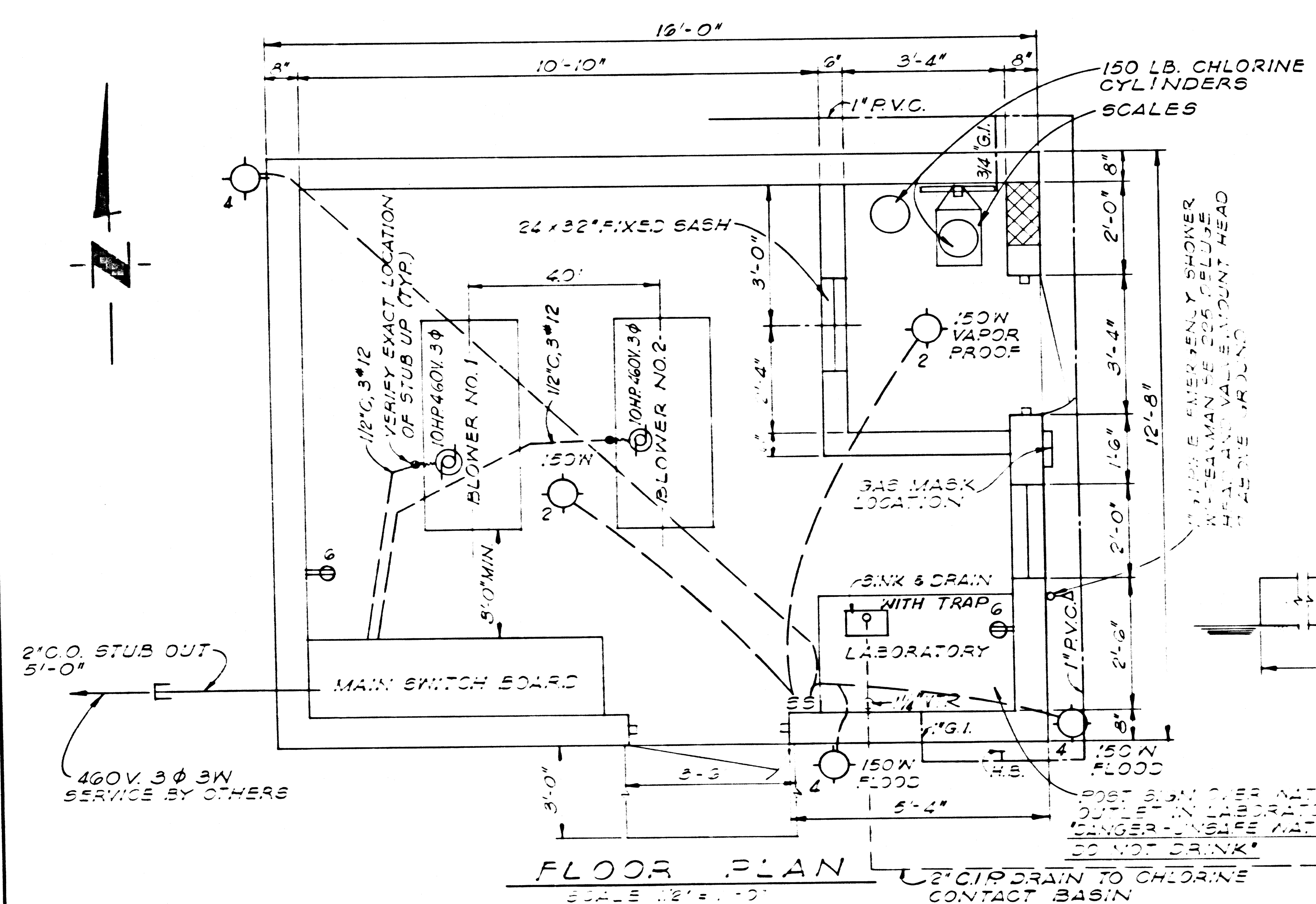
THE ADAMSON COMPANIES  
SANTA MONICA, CALIFORNIA

**WATER RECLAMATION PLANT  
PLAN AND SECTIONS**

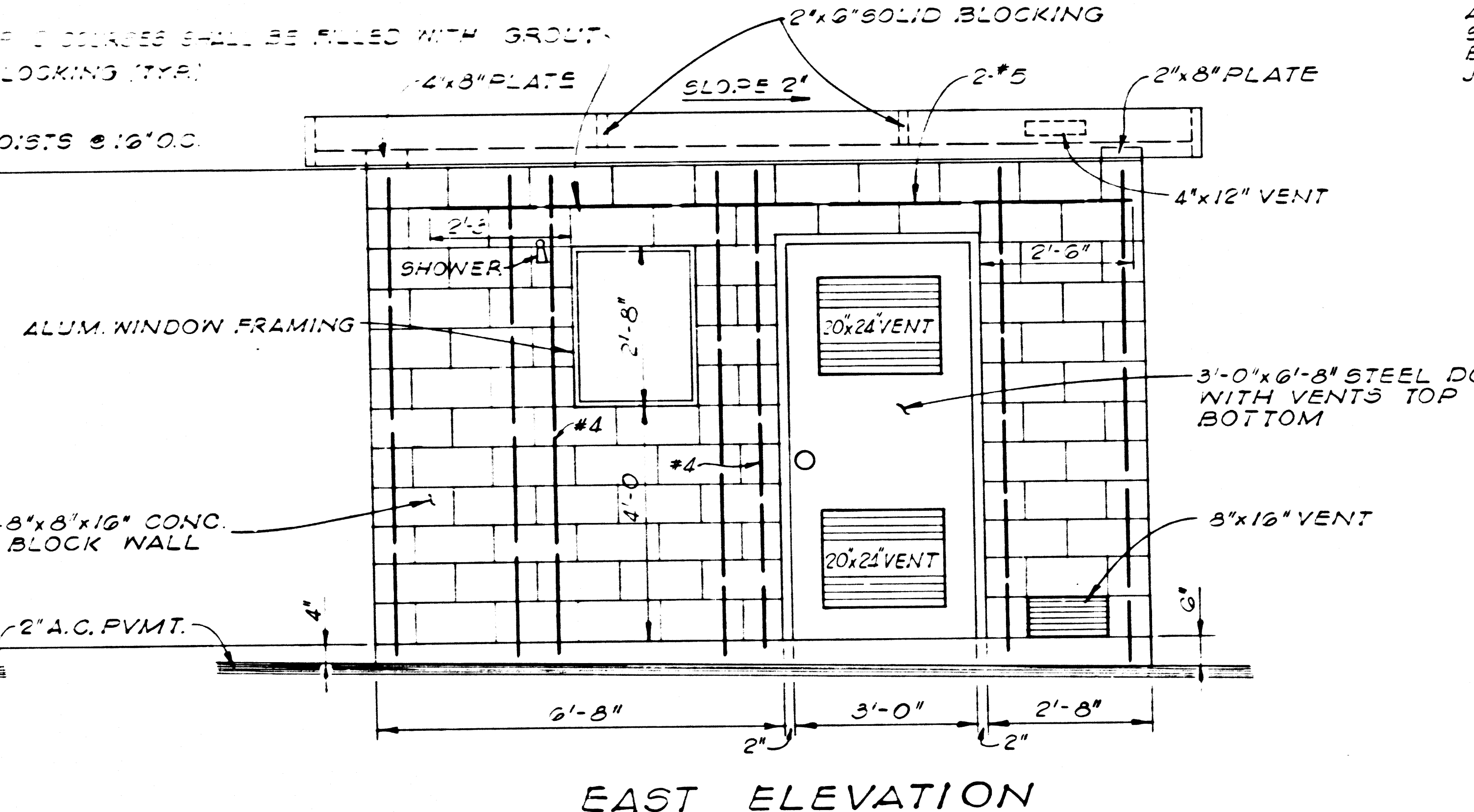
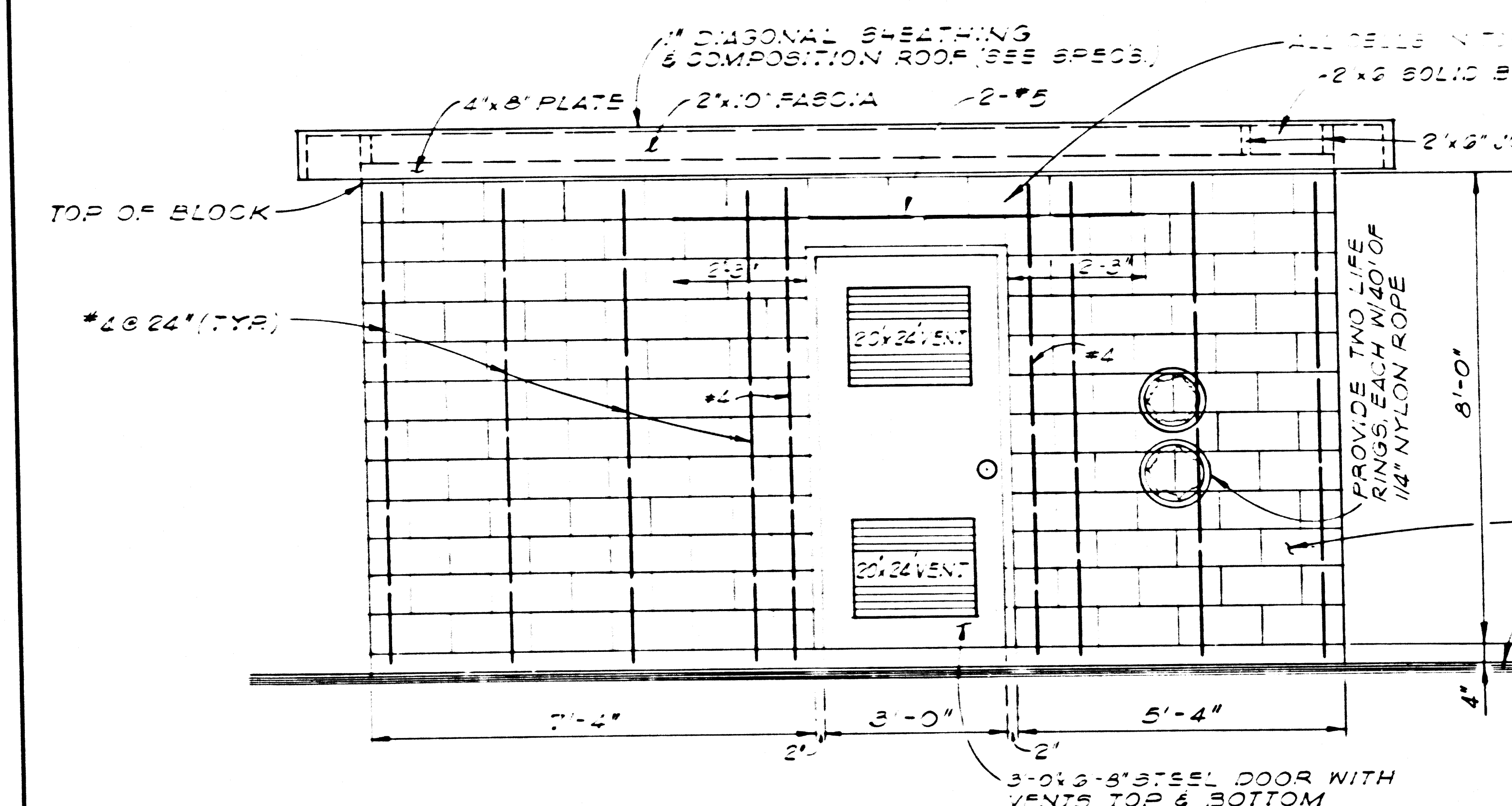
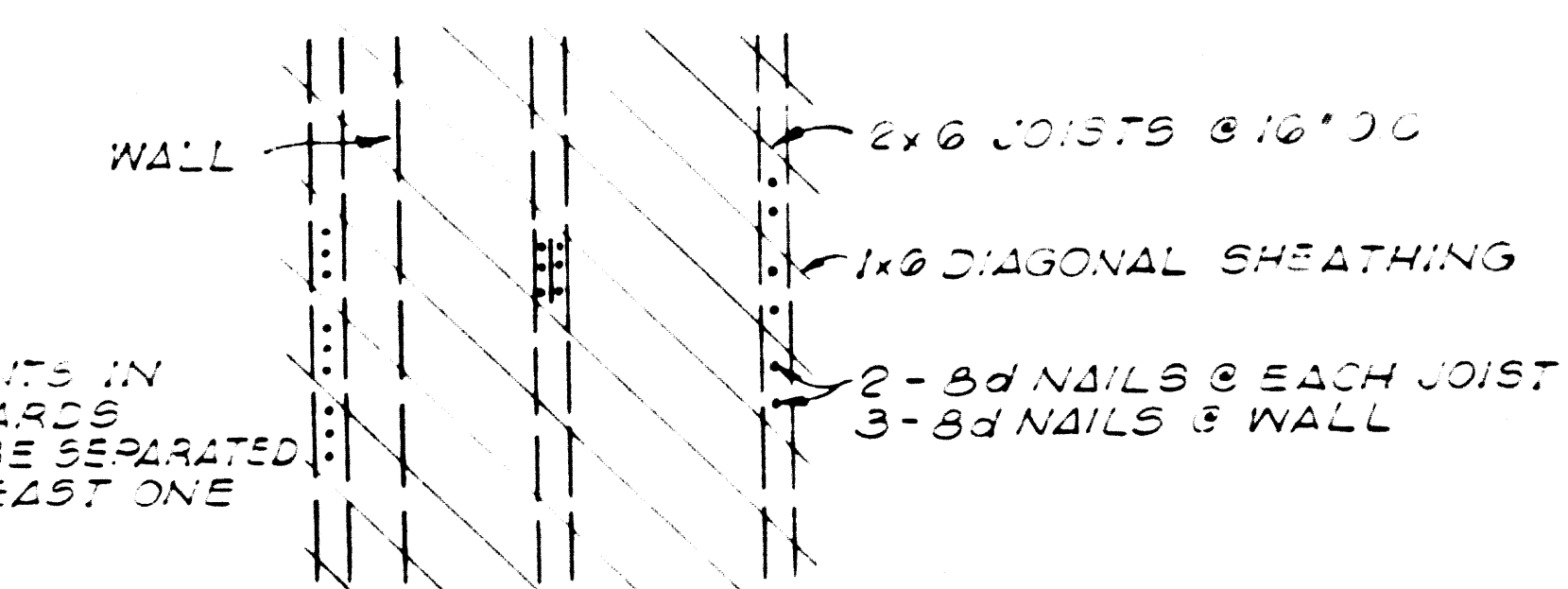
APPROVED: <i>Kenneth I. Mullen</i>	DATE: 5/17/63	SCALE AS NOTED	FILE NO: 9692	DATE: 5/17/63	SHEET: 2
DESIGNED: KIM		DRAWN: GEN	CHECKED: KIM		
KENNETH I. MULLEN CONSULTING ENGINEER 1145 W. HUNTINGTON DR., ARCADIA, CALIFORNIA (213) 445-2212			KIM		OF 8 SHEETS

REV	DATE	DESCRIPTION





- WINDOW NOTES:**
1. PROVIDE 2'-6" x 2'-0" ALUMINUM FIXED SASH WINDOWS WITH WIRE REINFORCED GLASS, SINGLE STRENGTH.
  2. ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PAINTED WITH ZINC CHROMATE.
  3. MINIMUM FRAME LAP - 1/4"
  4. MINIMUM GLASS EDGE CLEARANCE - 1/8"



- SPECIFICATIONS:**
1. FRAMING LUMBER - NO. 1 COM STR. GRADE CP
  2. REINFORCEMENT STEEL - ASTM A-15 #4-305
  3. MASONRY - LT WT - ASTM C-90
  4. CONCRETE - MIN. 5000 PSI, 28 DAYS
  5. GROUT MIX - 1 PART CEMENT, 3 PARTS MORTAR SAND

MOUNTING	PANEL A		MAIN BRK. 50A 2P	
	VOLTS	PHASE	WIRE	BUS
1000	20	1	2	50A
200	20	1	2	50A
700	20	1	2	50A
500	20	1	2	50A
500	20	1	2	50A

THE ADAMSON COMPANIES  
SANTA MONICA, CALIFORNIA  
**WATER RECLAMATION PLANT  
CONTROL BUILDING PLAN,  
ELEVATIONS AND DETAILS**

APPROVED: *5/7/69* DATE  
*Edward R. Taylor*

SCALE AS NOTED  
DESIGNED: KIM  
DRAWN: GEN  
CHECKED: KIM

0682 5/7/69  
RCE No.  
**KENNETH I. MULLEN**  
CONSULTING ENGINEER  
1215 W. HUNTINGTON DR. ARCADIA, CALIFORNIA  
(213) 445-2212

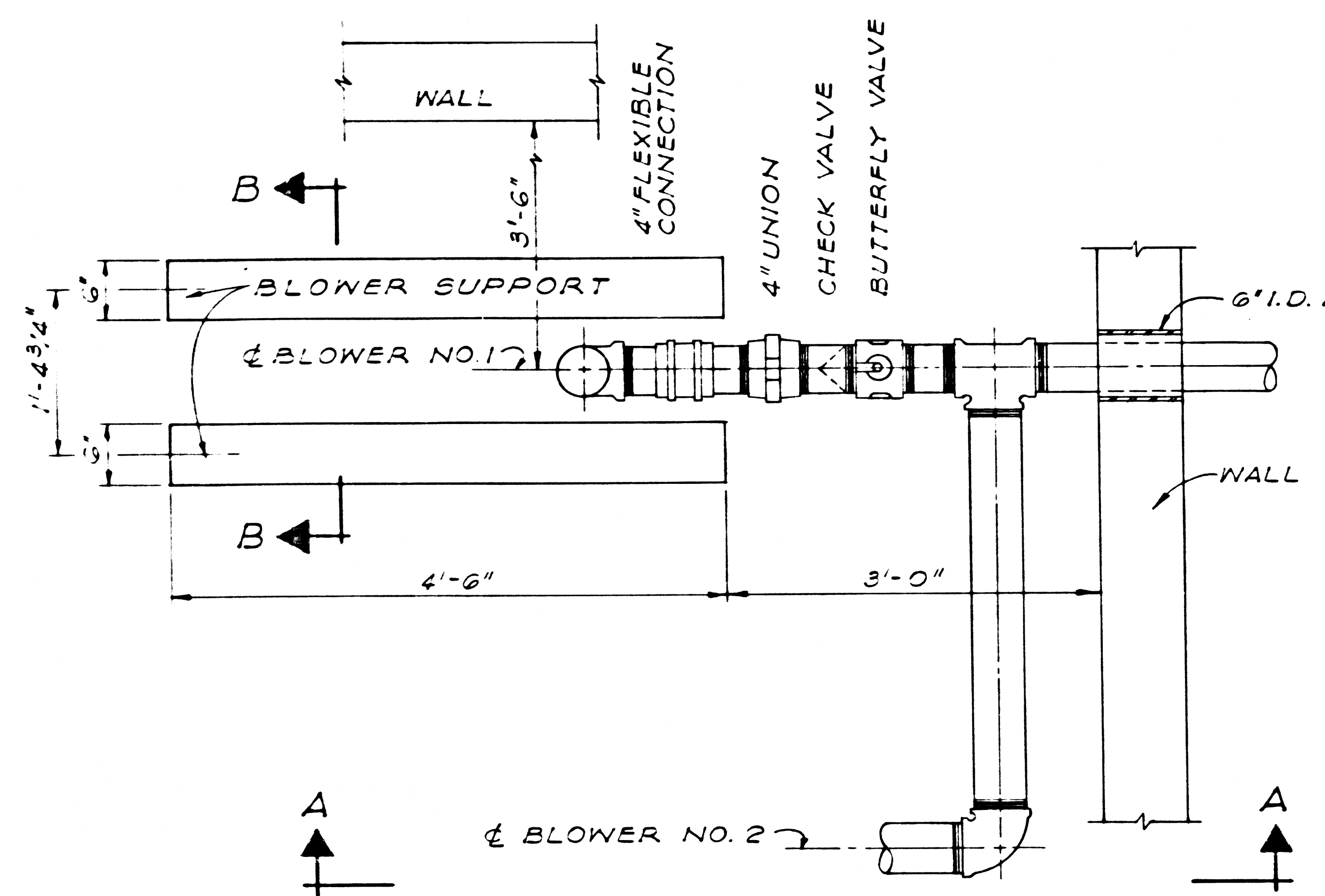
42488

SHEET 3  
OF 8 SHEETS

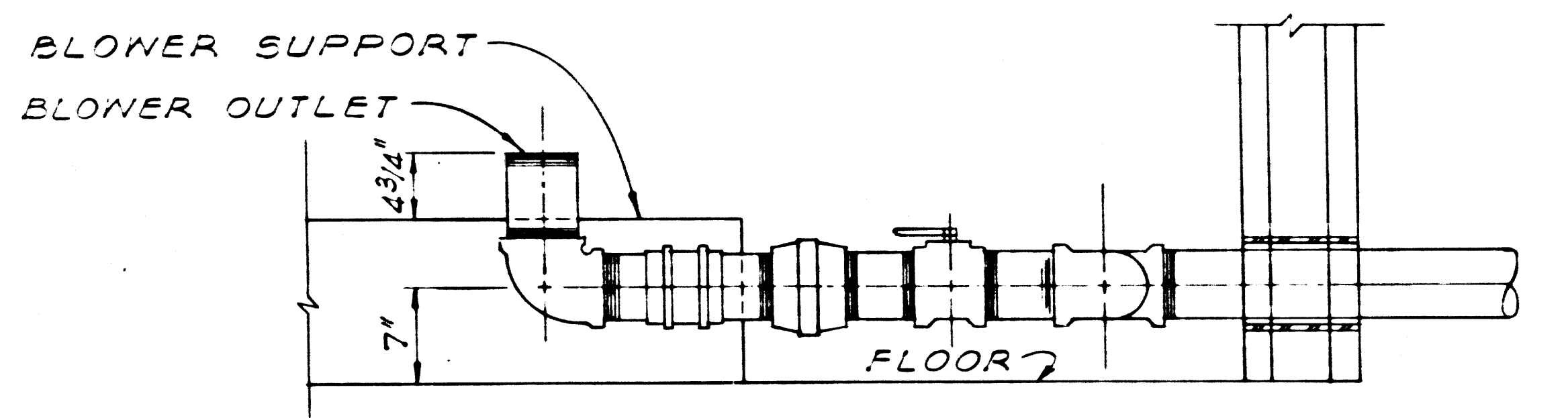




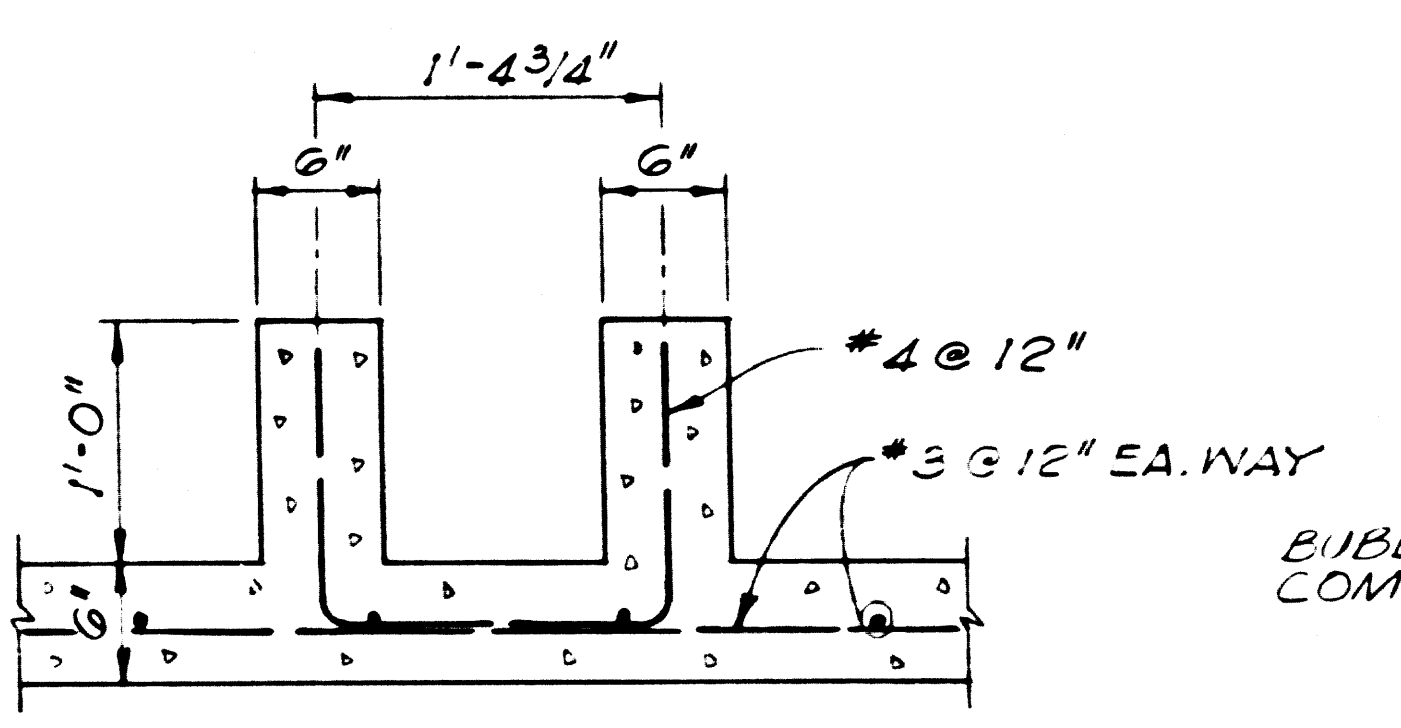




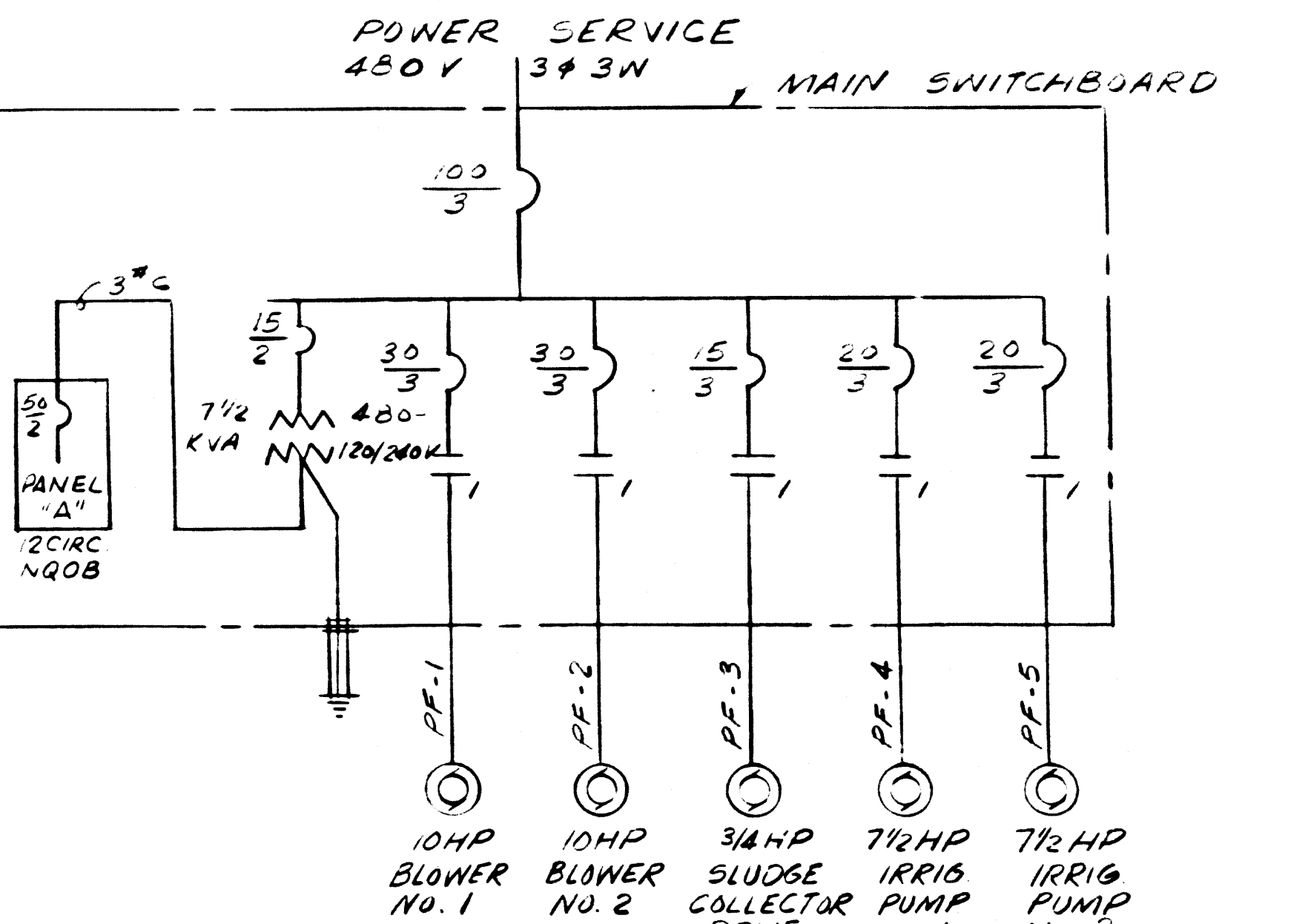
**PART PLAN**  
SCALE 1"=1'-0"  
INSTALL SILENCER & AIR FILTER ON INTAKE OF EACH BLOWER



**SECTION A-A**  
SCALE 1"=1'-0"

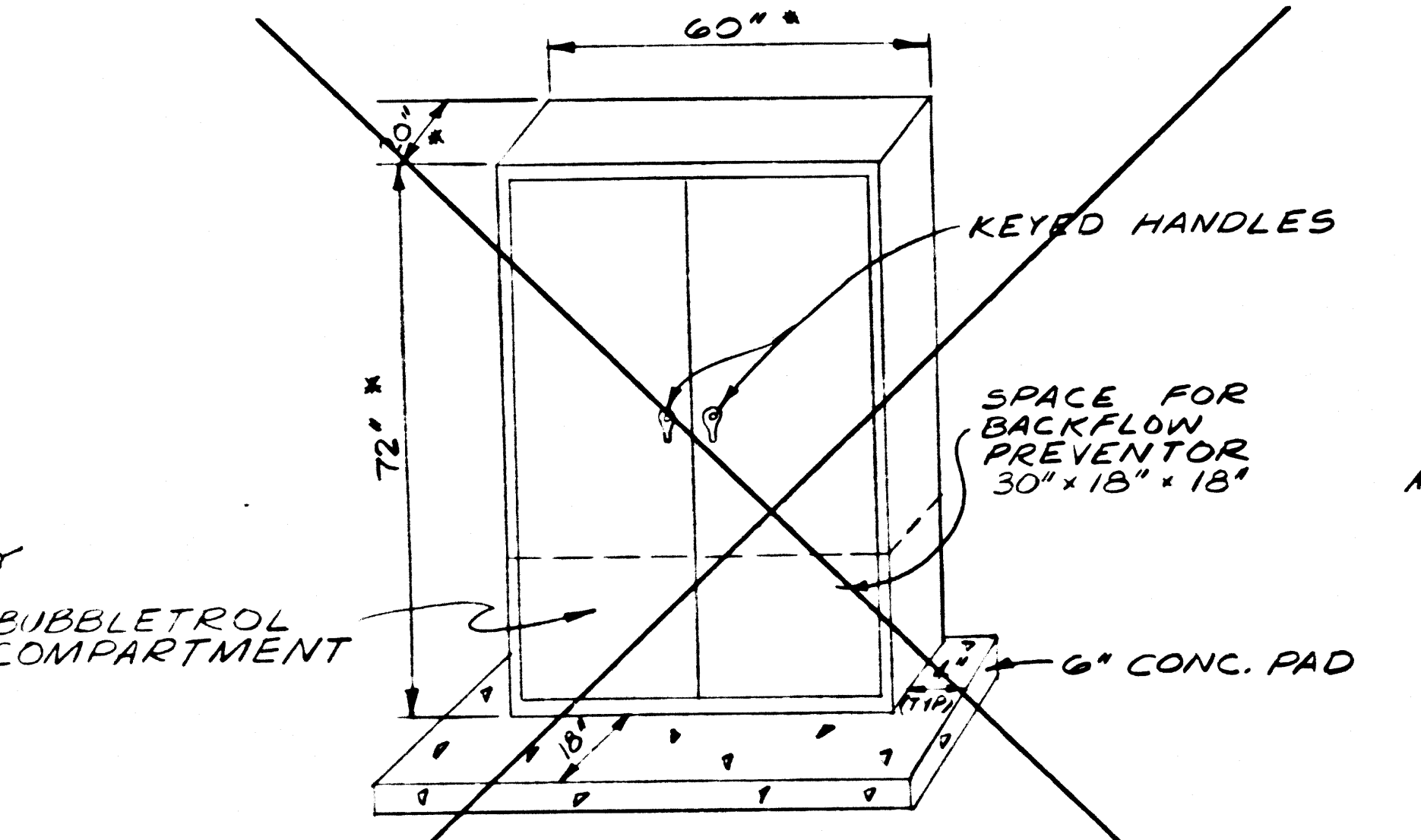


**SECTION B-B**  
SCALE 1"=1'-0"



**SINGLE LINE DIAGRAM**  
CONTROL BUILDING SWITCHBOARD

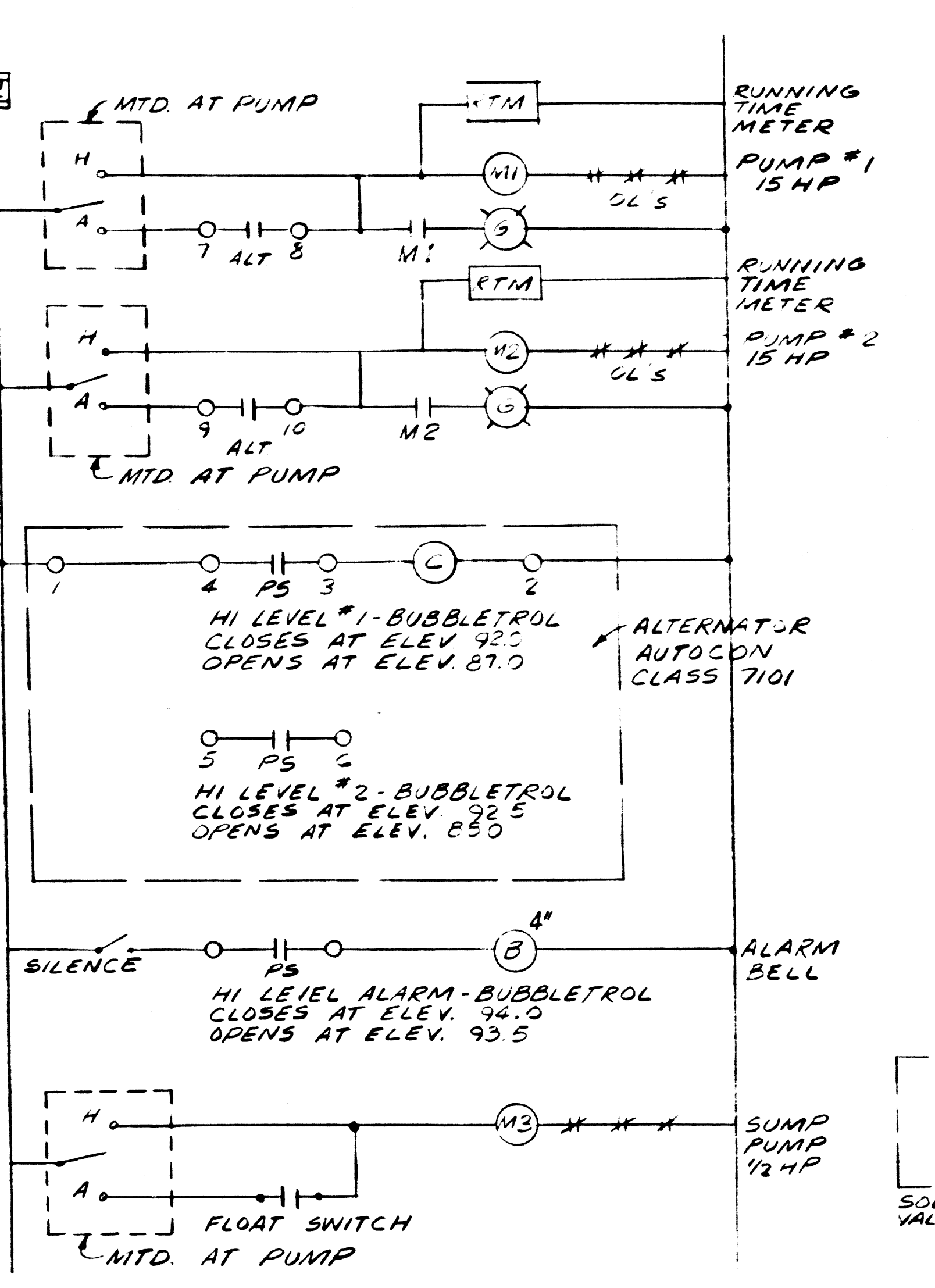
NOTE: SMITH & LOVELESS DWG. NO. 29C4G. SCHEMATIC WIRING DIAGRAM, TWO PUMP STATION, AUTO ALTERNATION, 3 #3 WIRE, IS MADE A PART HEREOF.



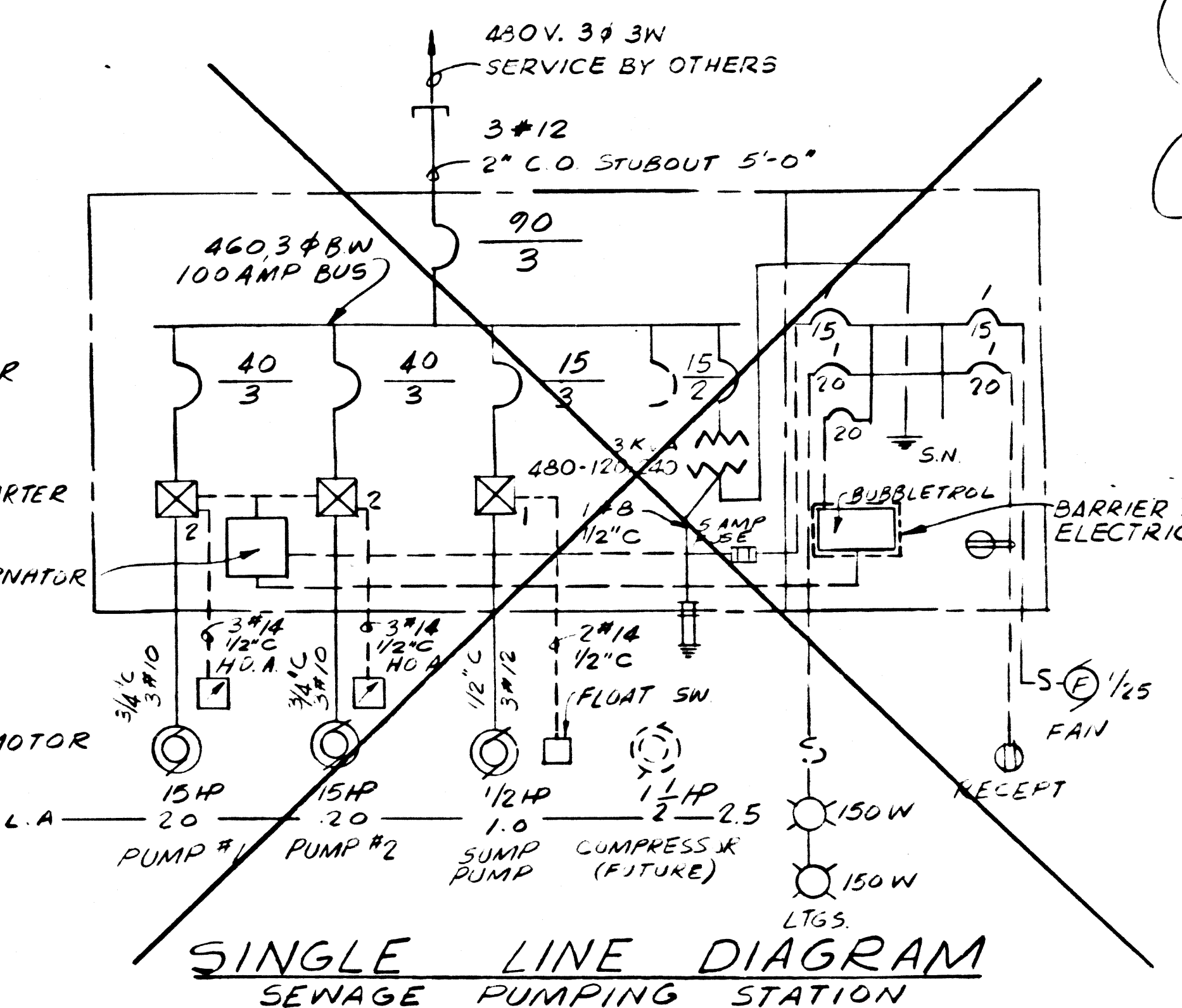
**WEATHERPROOF CONTROL CABINET**  
SEWAGE PUMPING STATION

\* DIMENSIONS SHALL BE ADJUSTED TO FIT COMPONENTS FURNISHED

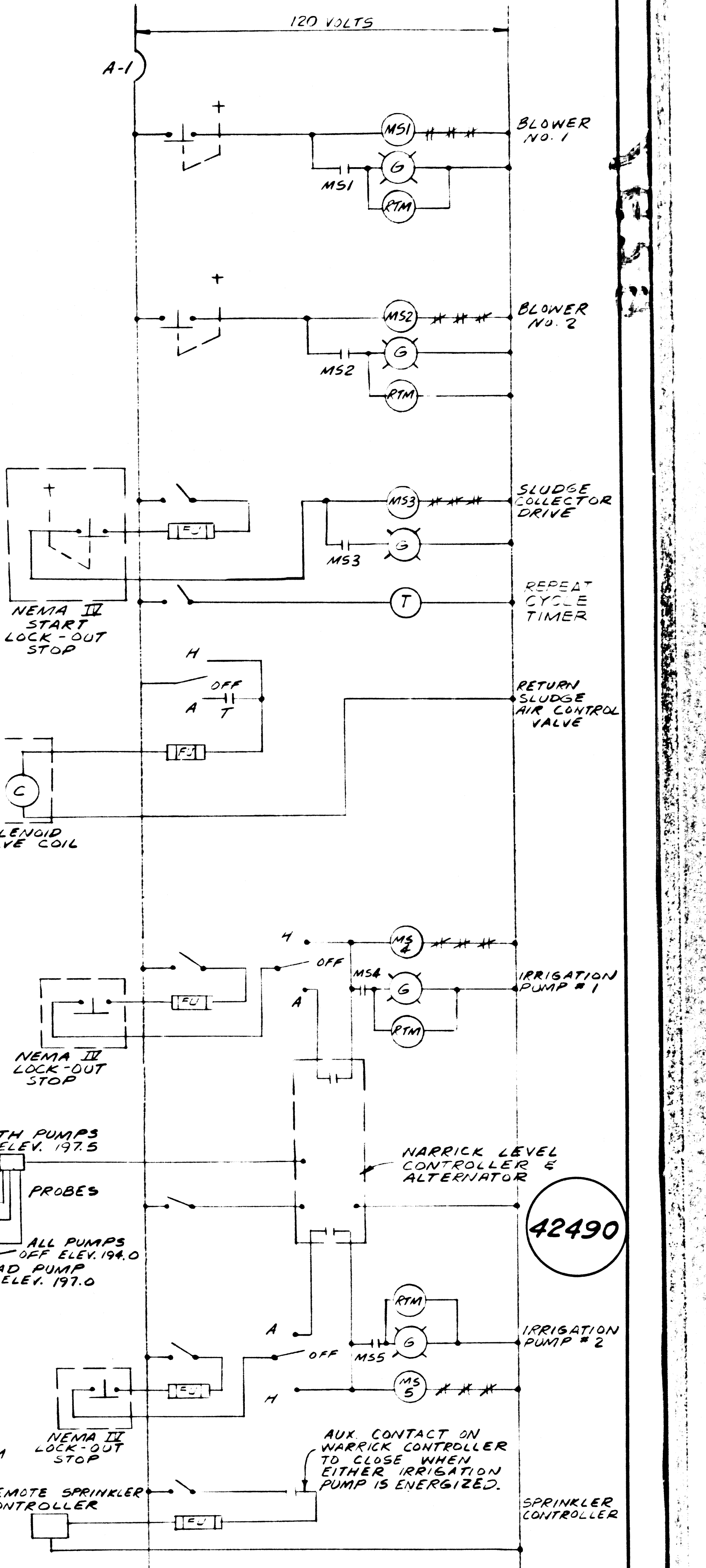
CABINET SHALL BE WEATHERPROOF WITH ADEQUATE VENTS. SHALL BE BOLTED TO CONCRETE. PAINT 2 FINISH COATS OF ENAMEL.



**SCHEMATIC CONTROL DIAGRAM**  
SEWAGE PUMPING STATION



**SINGLE LINE DIAGRAM**  
SEWAGE PUMPING STATION

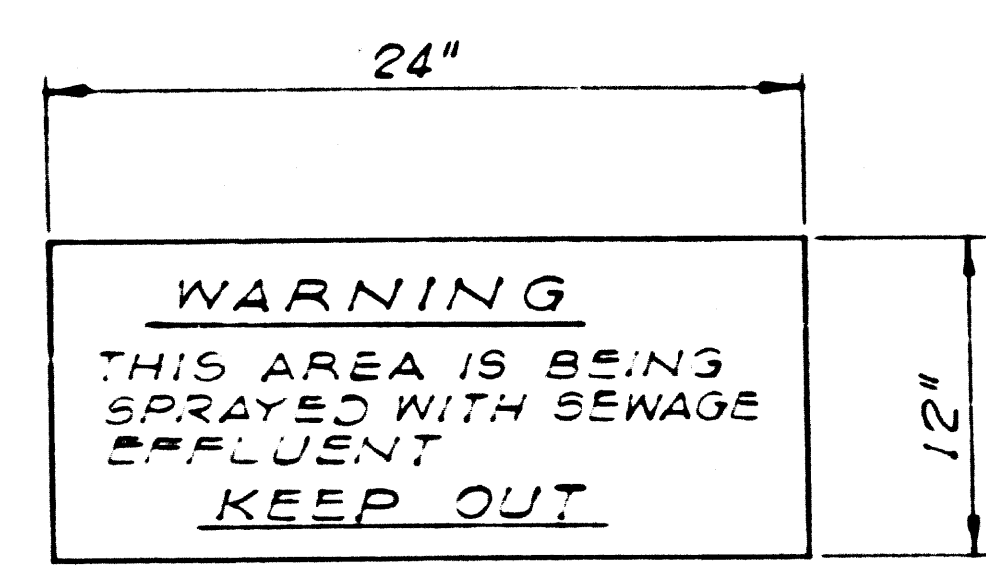
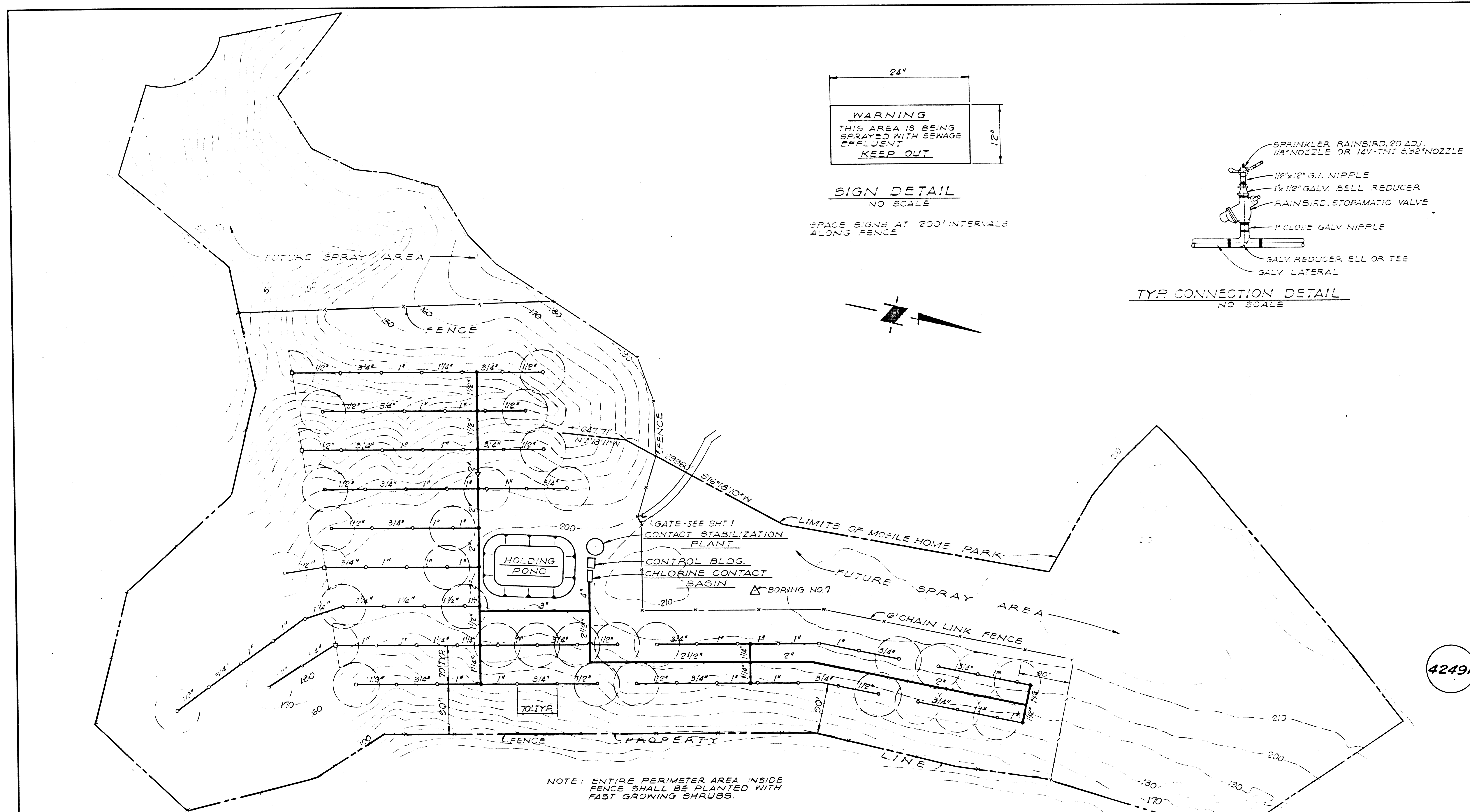


**SCHEMATIC CONTROL DIAGRAM**  
CONTROL BUILDING SWITCHBOARD

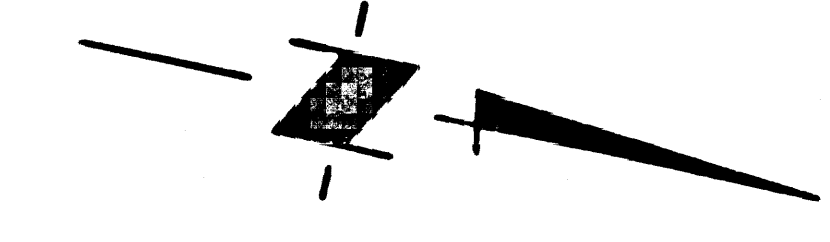
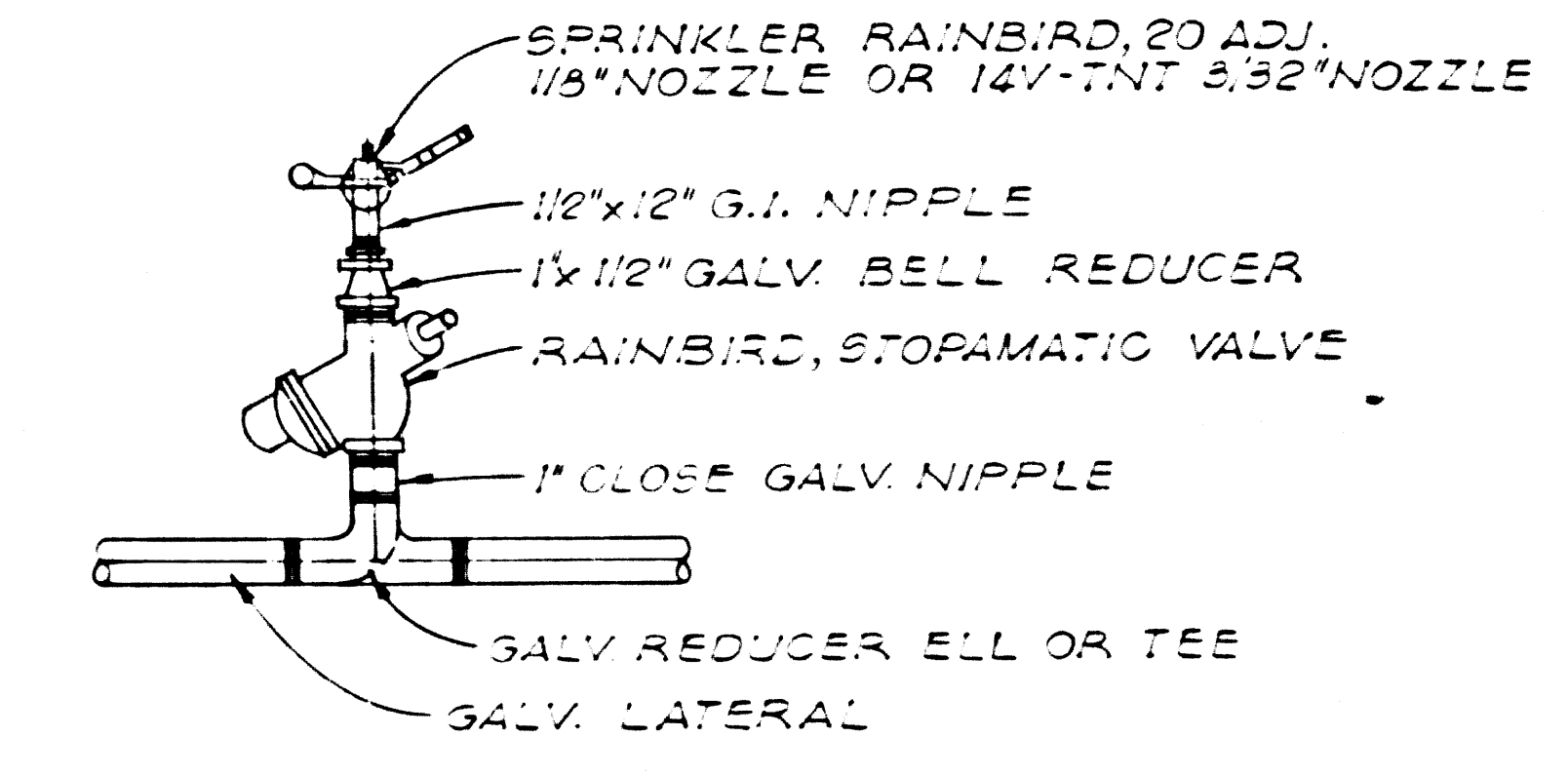
THE ADAMSON COMPANIES  
SANTA MONICA, CALIFORNIA  
**WATER RECLAMATION PLANT**  
ELECTRICAL AND MECHANICAL DETAILS

APPROVED: <i>5/7/69</i> DATE	DESIGNED <i>KIM</i>	SCALE AS NOTED	<i>Kenneth I. Mullen</i> 0692 5/7/69 R.C.E. NO. DATE	SHEET 5
<i>Henry Dickhoff</i> 5/7/69 R.E.E. NO. DATE	DRAWN <i>GEN</i>	CHECKED <i>KIM</i>	<b>KIM</b> KENNETH I. MULLEN CONSULTING ENGINEER 121 W. HUNTINGTON BLVD. SANTA MONICA, CALIFORNIA (213) 445-2212	8 SHEETS
REV. DATE DESCRIPTION				





**SIGN DETAIL**  
NO SCALE  
SPACE SIGNS AT 200' INTERVALS  
ALONG FENCE



- LEGEND**
- RAIN BIRD #100 TH (1") ELECTRIC VALVE
  - RAIN BIRD #20 ADJ - 1/8" NOZZLE
  - RAIN BIRD #14V-TNT - 3/32" NOZZLE
  - ▽ GATE VALVE

**LOG OF BORING**  
BORING NO. 7 ELEV. 209.5  
0'-27' SILTY SAND, FINE, MEDIUM  
AMOUNT OF SILT  
27'-30' IMPERMEABLE SHALE

NOTE: ENTIRE PERIMETER AREA INSIDE  
FENCE SHALL BE PLANTED WITH  
FAST GROWING SHRUBS.

APPROVED:	5/7/69	DATE	
DESIGNED:	KIM		
DRAWN:	GEN		
CHECKED:	KIM		
REV.	DATE	DESCRIPTION	
1	3/2/70	AS EULY	

SCALE 1" = 80'

THE ADAMSON COMPANIES  
SANTA MONICA, CALIFORNIA

**IRRIGATION SYSTEM**

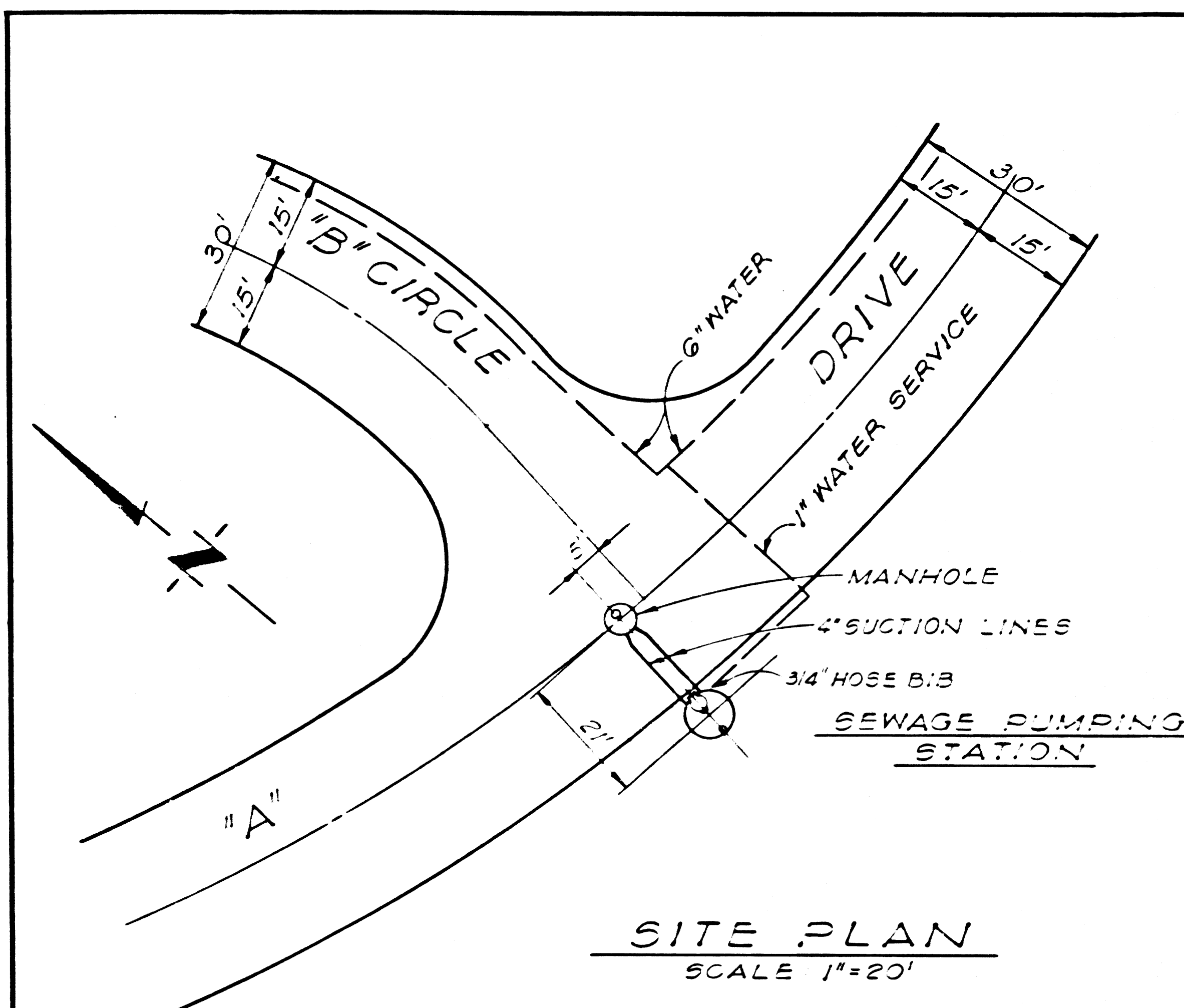
*Kenneth I. Mullen*  
R.C.E. No. 9692 DATE 5/7/69

**KIM**  
KENNETH I. MULLEN  
CONSULTING ENGINEER  
1045 W. HUNTINGTON DR. ARCADIA, CALIFORNIA  
(213) 445-2212

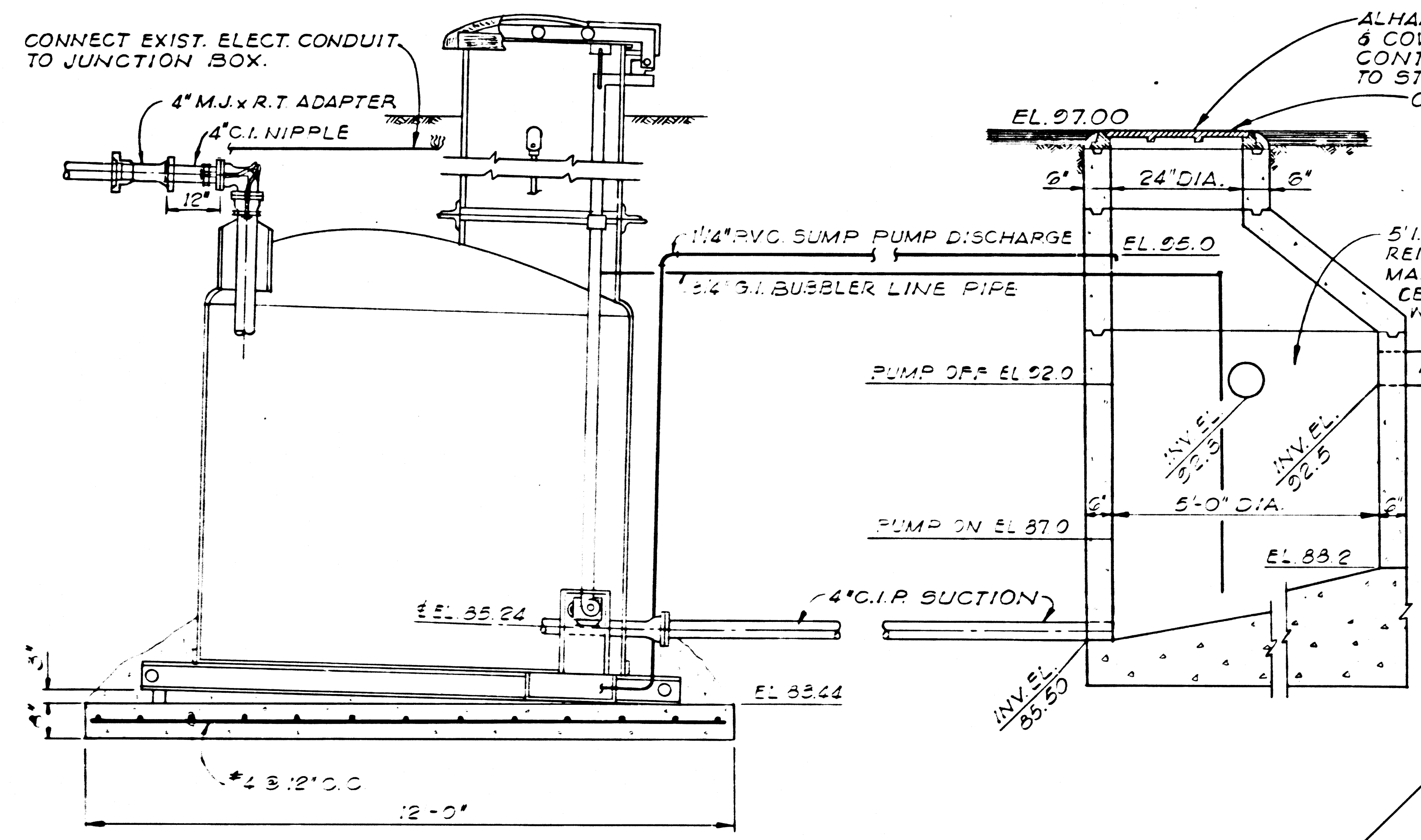
SHEET 6 OF 8 SHEETS

42491

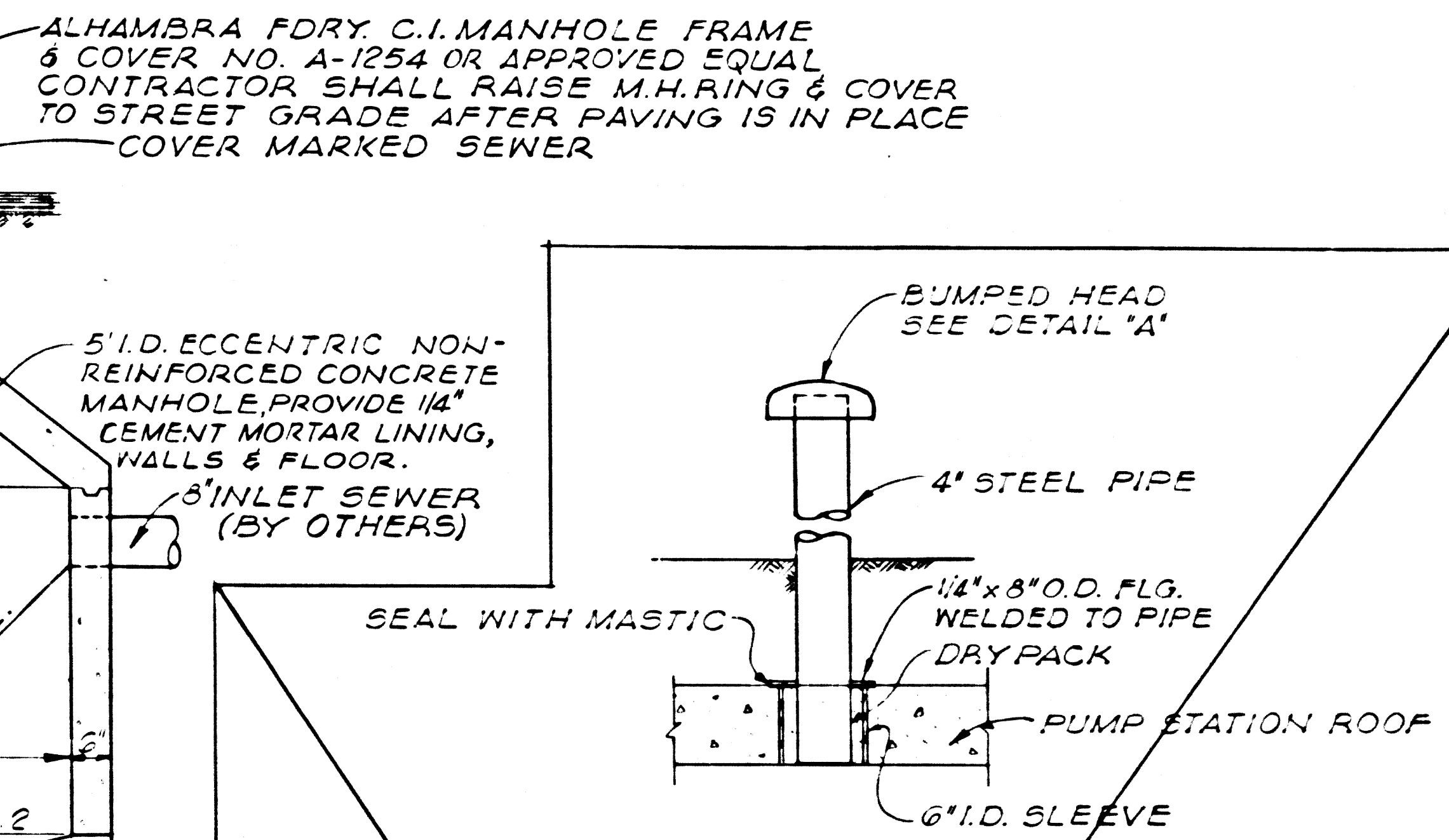




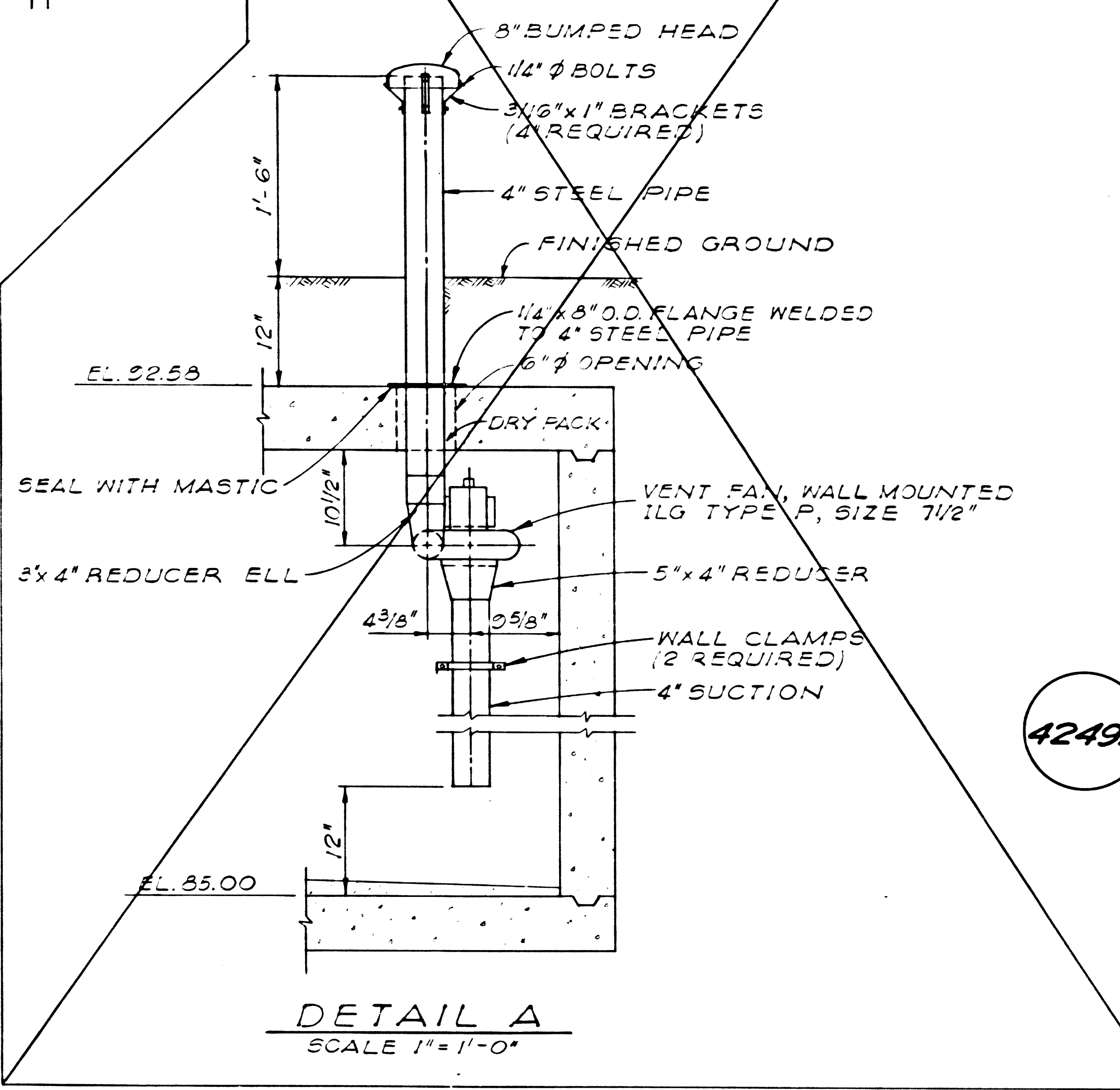
**SITE PLAN**  
SCALE 1"=20'



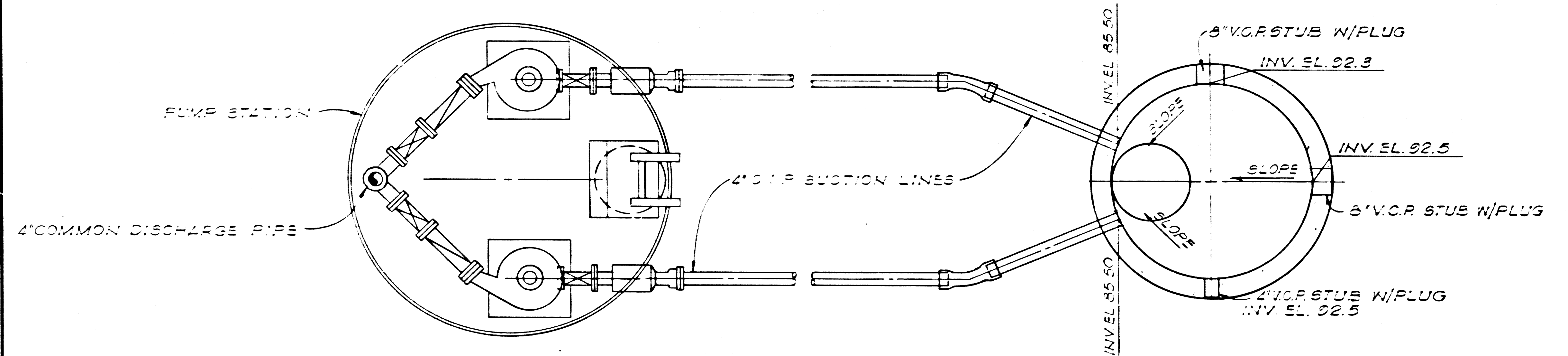
**ELEVATION**  
SCALE 1/2"=1'-0"



**SECTION B-B**  
SCALE 1"=1'-0"



**DETAIL A**  
SCALE 1"=1'-0"



**PLAN**  
SCALE 1/2"=1'-0"

APPROVED REVISION NO 2

*James J. Ginn* 12/17/69  
Dept. of Civ. Engr. - Sewer Station Div. DATE

THE ADAMSON COMPANIES  
SANTA MONICA, CALIFORNIA

**SEWAGE PUMPING STATION  
PLAN AND DETAILS**

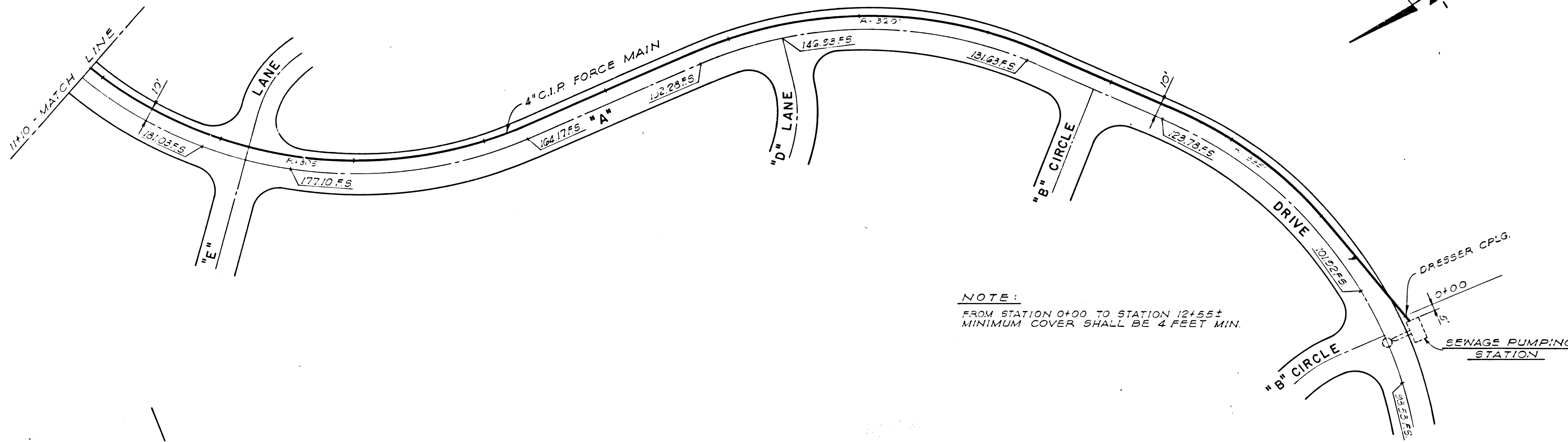
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1	10/13/69	CHANGED 6\"/>	KIM
2	2/2/69	3\"/>	KIM

*Kenneth I. Mullen* 0692 5/7/69  
R.C.E. No. DATE  
**KENNETH I. MULLEN**  
CONSULTING ENGINEER  
1055 W. HUNTINGTON DR. ARCADIA, CALIFORNIA  
(213) 445-2212

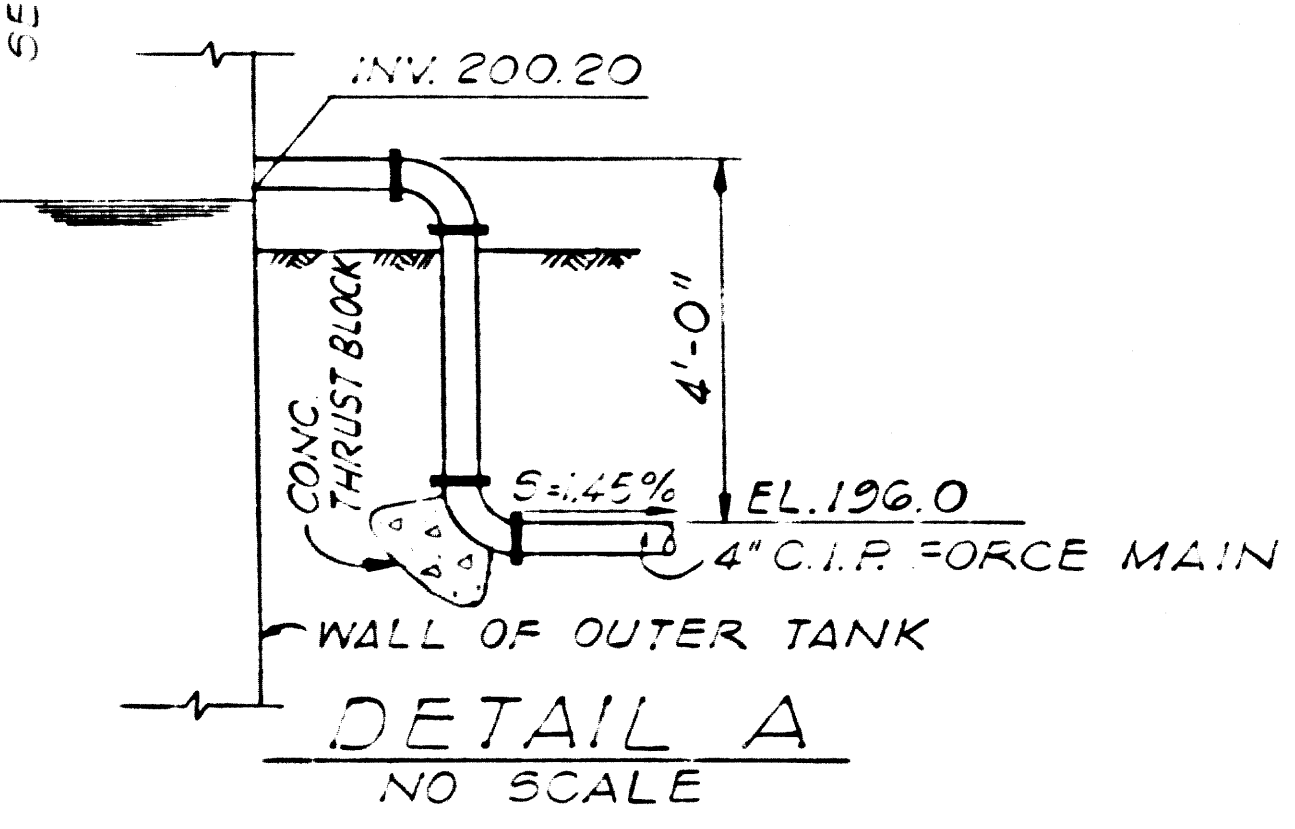
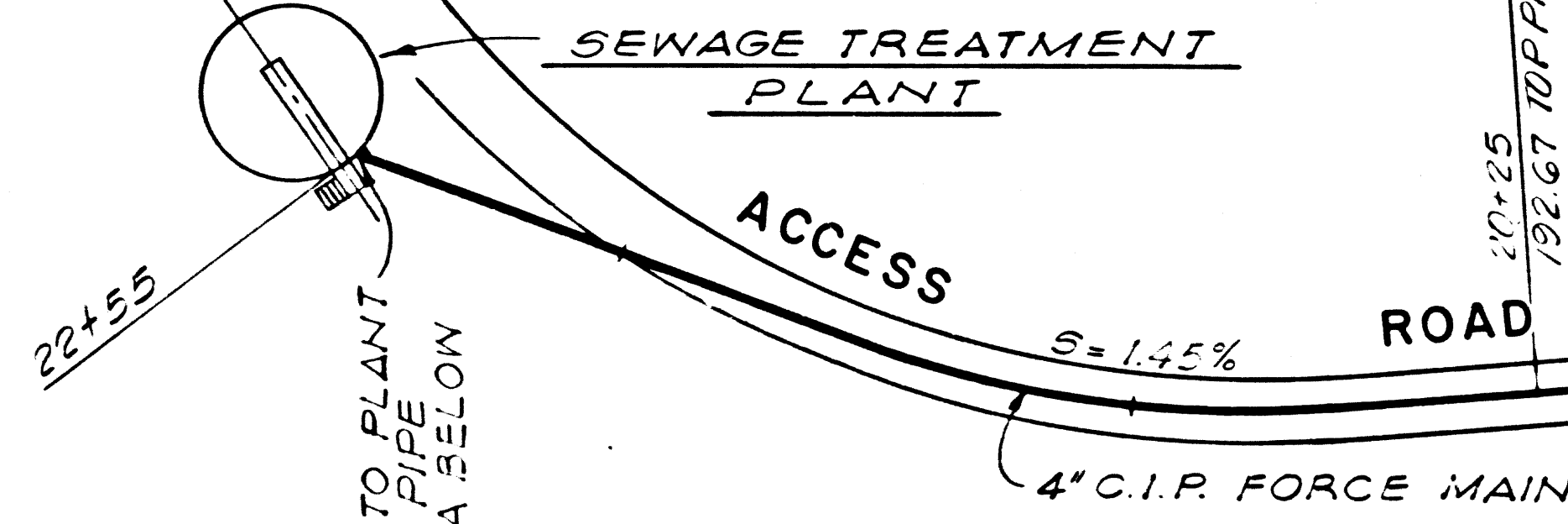
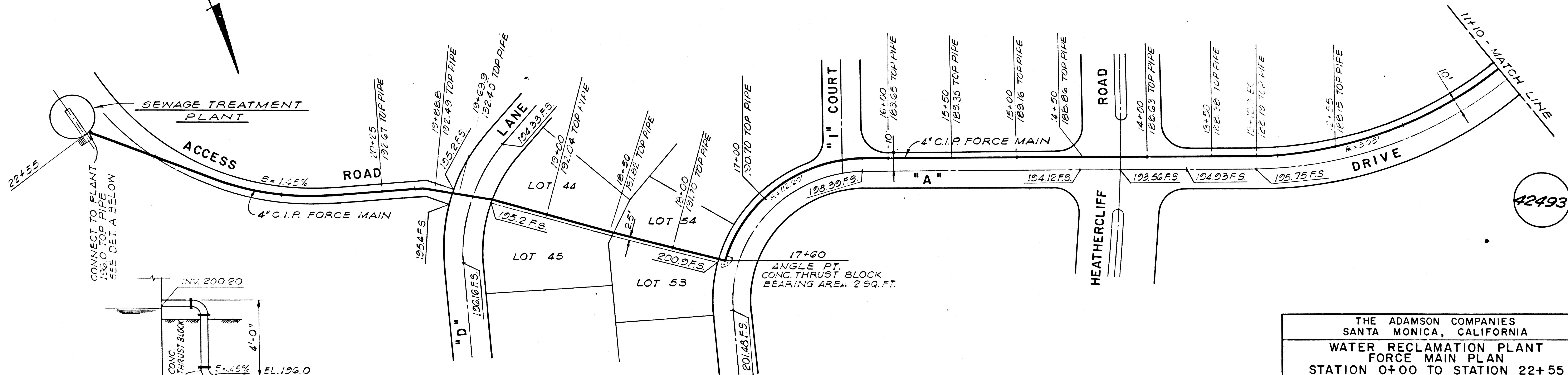
42492

SHEET  
7  
OF  
8 SHEETS





**NOTE:**  
 FROM STATION 0+00 TO STATION 12+55±  
 MINIMUM COVER SHALL BE 4 FEET MIN.



APPROVED:	5/7/69	DATE
	<i>James R. Jolley</i>	
REV.	DATE	DESCRIPTION
1	3/5/70	AS BUILT

SCALE 1" = 40'  
 DESIGNED KIM  
 DRAWN GEN  
 CHECKED KIM

THE ADAMSON COMPANIES  
 SANTA MONICA, CALIFORNIA

**WATER RECLAMATION PLANT  
 FORCE MAIN PLAN  
 STATION 0+00 TO STATION 22+55**

*Kenneth I. Mullen* 2692 5/7/69  
 R.C.E. No. DATE  
**KIM** KENNETH I. MULLEN  
 CONSULTING ENGINEER  
 1045 W. HUNTINGTON DR., ARCADIA, CALIFORNIA  
 (213) 445-2212

42493

SHEET  
 8  
 OF  
 8 SHEETS