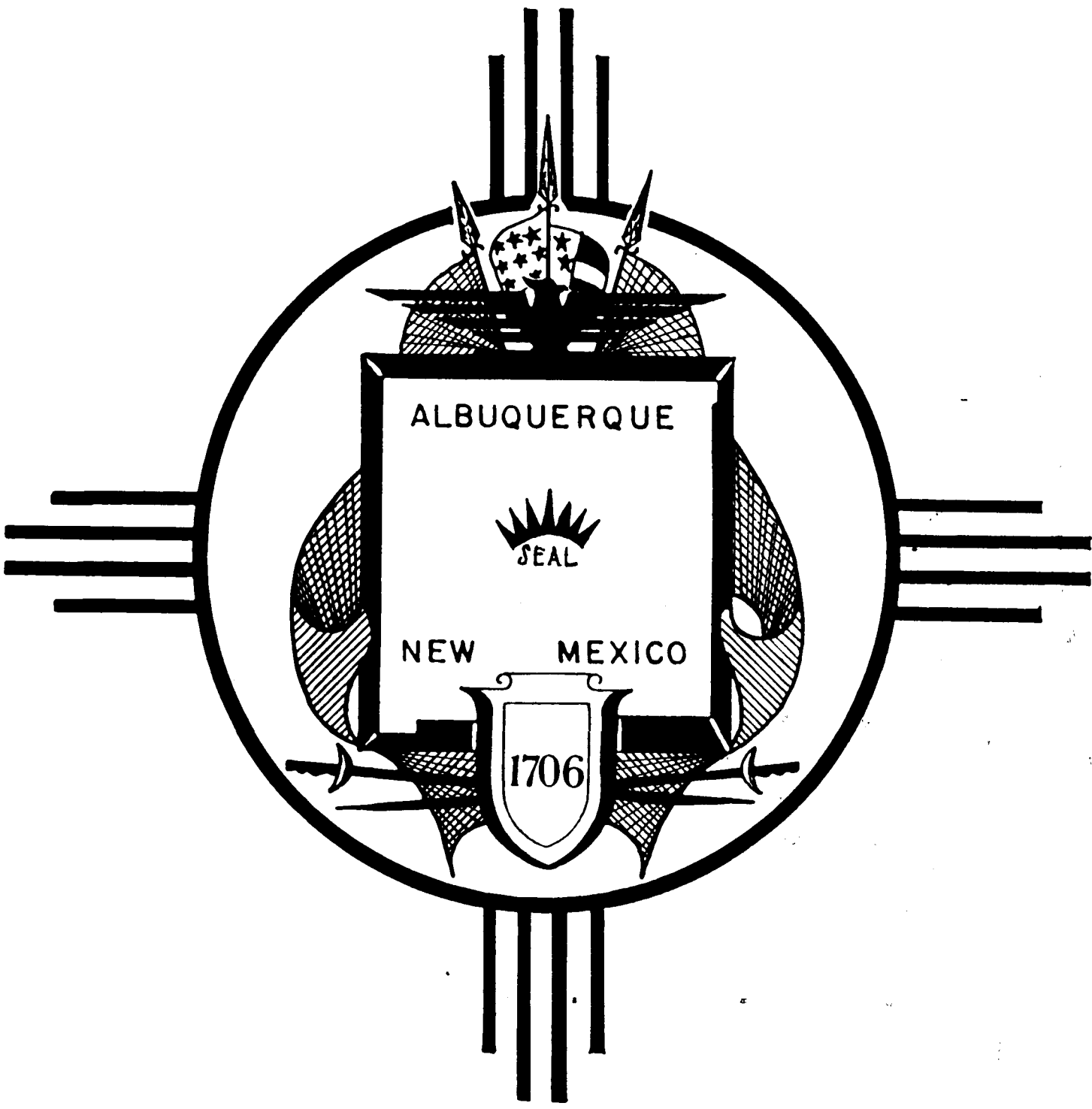


CITY OF ALBUQUERQUE
CHLORINATION FACILITIES
UPGRADE AND MODIFICATIONS – 1985



INDEX OF DRAWINGS

SHEET NO.	TITLE
1 OF 23	TITLE AND INDEX OF DRAWINGS
2 OF 23	VICINITY MAPS
3 OF 23	LEGEND
4 OF 23	GRIEGOS – SITE LAYOUT PLAN
5 OF 23	GRIEGOS – GRADING PLAN
6 OF 23	GRIEGOS – FOUNDATION, FLOOR, PIPING, ROOF FRAMING PLANS AND SCHEDULE
7 OF 23	DURANES – SITE LAYOUT PLAN
8 OF 23	DURANES – GRADING PLAN
9 OF 23	DURANES – FOUNDATION, FLOOR, PIPING, ROOF FRAMING PLANS AND SCHEDULE
10 OF 23	BUILDING ELEVATIONS (GRIEGOS / DURANES)
11 OF 23	BUILDING SECTIONS AND DETAILS (GRIEGOS / DURANES)
12 OF 23	DOOR DETAILS (GRIEGOS / DURANES)
13 OF 23	MONORAIL BEAM AND MISCELLANEOUS DETAILS (GRIEGOS / DURANES)
14 OF 23	ROOF DRAINAGE AND MISCELLANEOUS DETAILS (GRIEGOS / DURANES)
15 OF 23	SCHEMATICS AND DETAILS (GRIEGOS / DURANES)
16 OF 23	MECHANICAL PLANS, DETAILS AND SCHEDULE (GRIEGOS / DURANES)
17 OF 23	DEMOLITION PLANS, PIT COVERS AND FLUORIDE TANK DETAILS (GRIEGOS / DURANES)
18 OF 23	GRIEGOS – ELECTRICAL SITE PLAN
19 OF 23	GRIEGOS – POWER AND LIGHTING PLAN
20 OF 23	GRIEGOS – DETAILS AND PANEL SCHEDULES
21 OF 23	DURANES – ELECTRICAL SITE PLAN
22 OF 23	DURANES – POWER AND LIGHTING PLAN
23 OF 23	DURANES – DETAILS AND PANEL SCHEDULES

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Arthur J. Stinson
DATE 7/1/88

RECORD DRAWING INFORMATION
CONTRACTOR:
BILL STUCKMAN CONSTRUCTION CO.
INSPECTORS' ACCEPTANCE:
G. HAMMOCK – LH
ACCEPTANCE DATE FOR BENEFICIAL
OCCUPANCY: SEPT. 16, 1987
WORK STAKED BY:
LEEDSHILL - HERKENHOFF, INC.
FIELD VERIFICATION BY:
G. HAMMOCK – LH

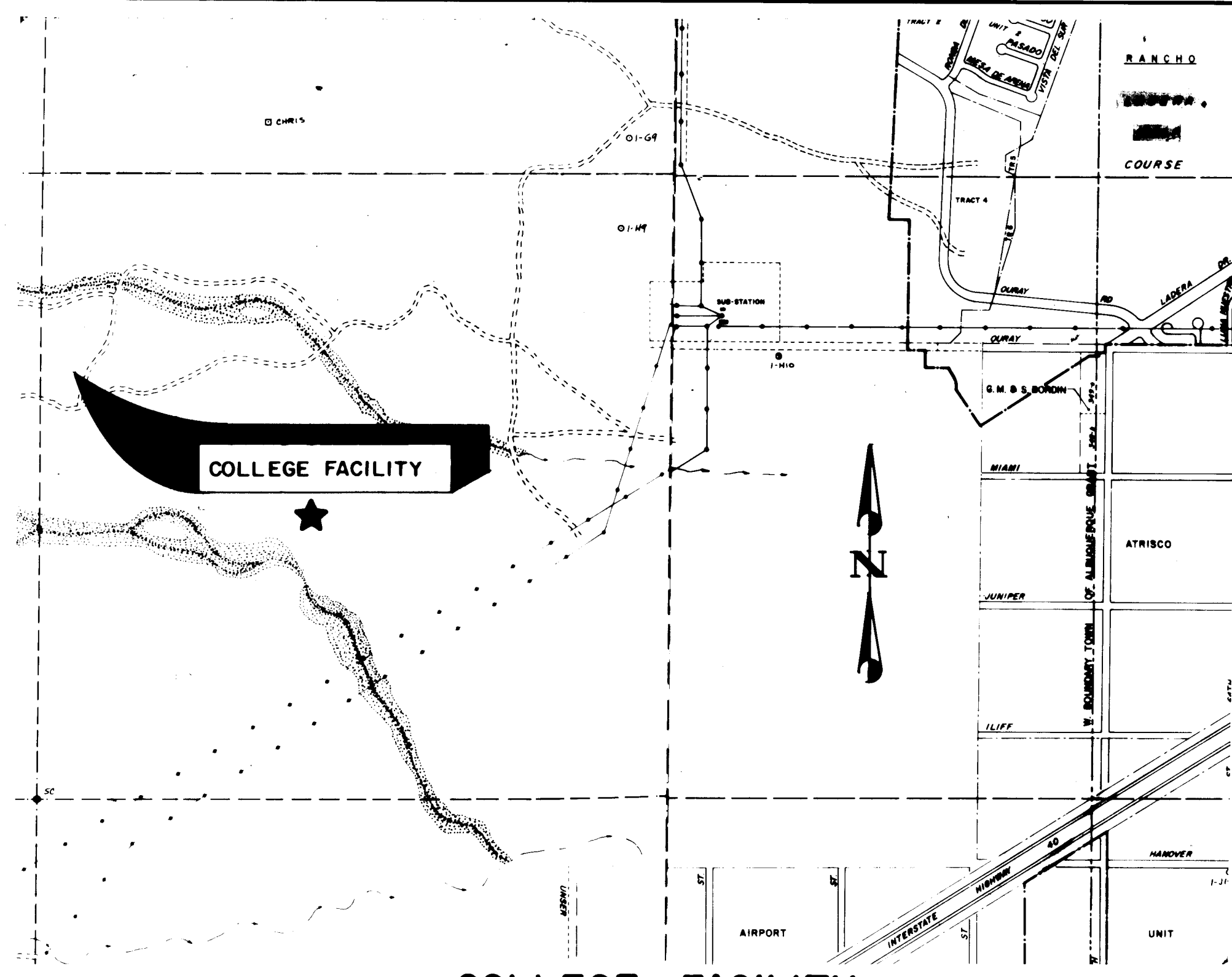
RECORD DRAWING

Date: JUL 9 9 1988

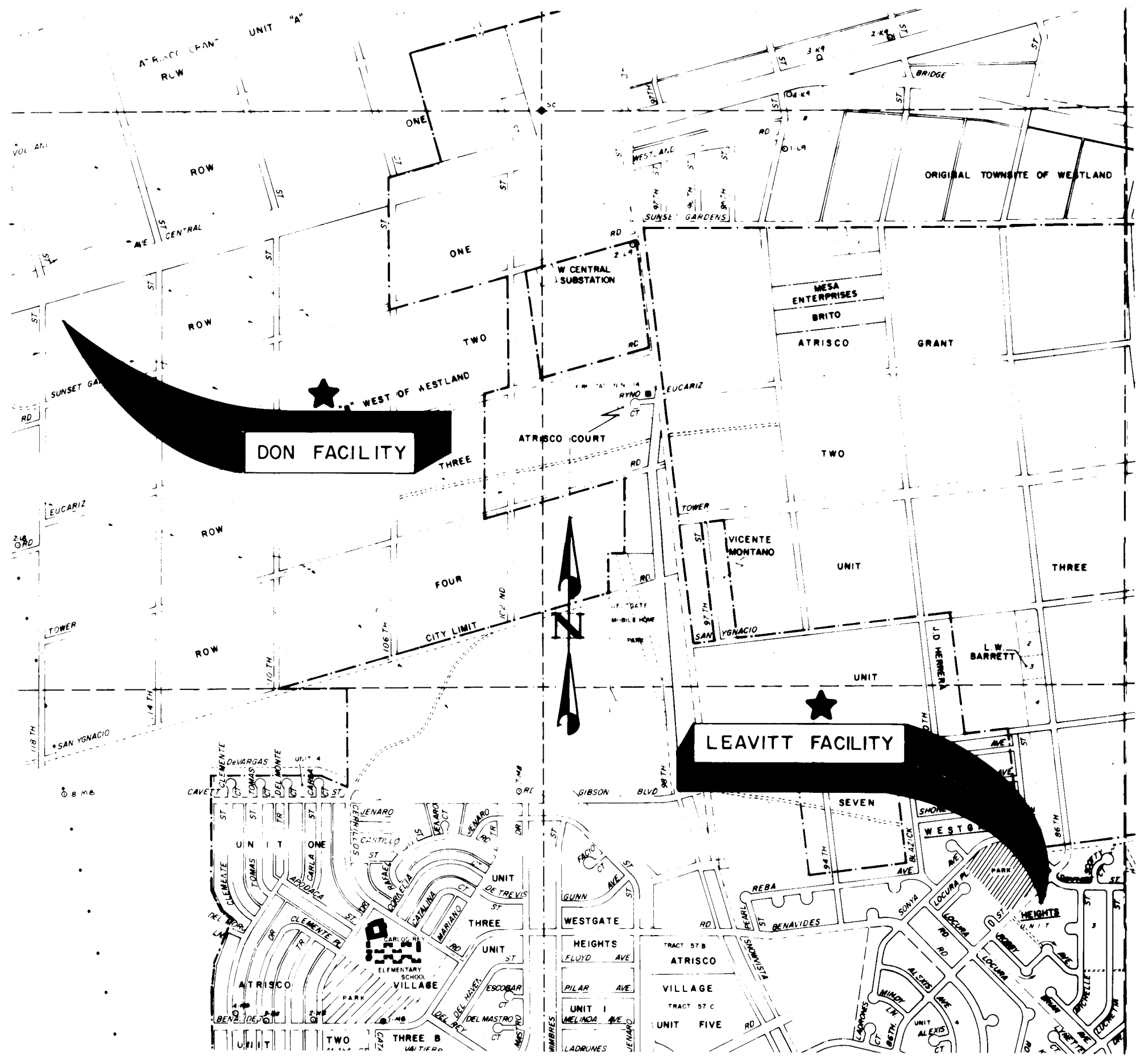
These drawings have been revised based
on field data and every reasonable attempt
has been made to depict construction as
actually constructed.

1 2 3 4 5 6 7 8 9 10 11 12
26 26260188

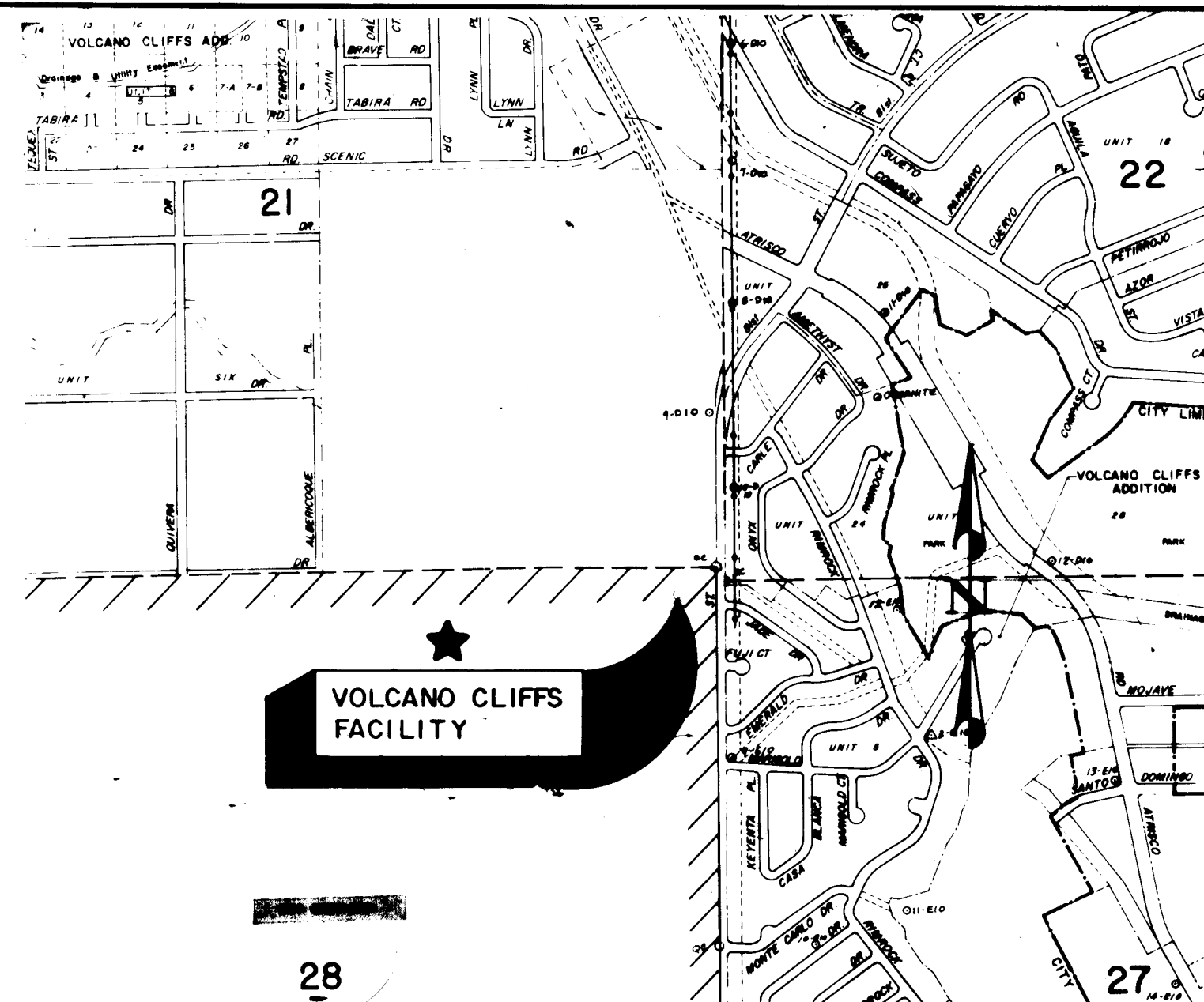
REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									
LEEDSHILL-HERKENHOFF, INC. Copper Square, 500 Copper Ave. N.W. P.O. Box 1217 Albuquerque, New Mexico 87103 (505) 247-0294									
APPROVED FOR CONSTRUCTION									
PROJECT NO. 2626									
SHEET 1 OF 23									



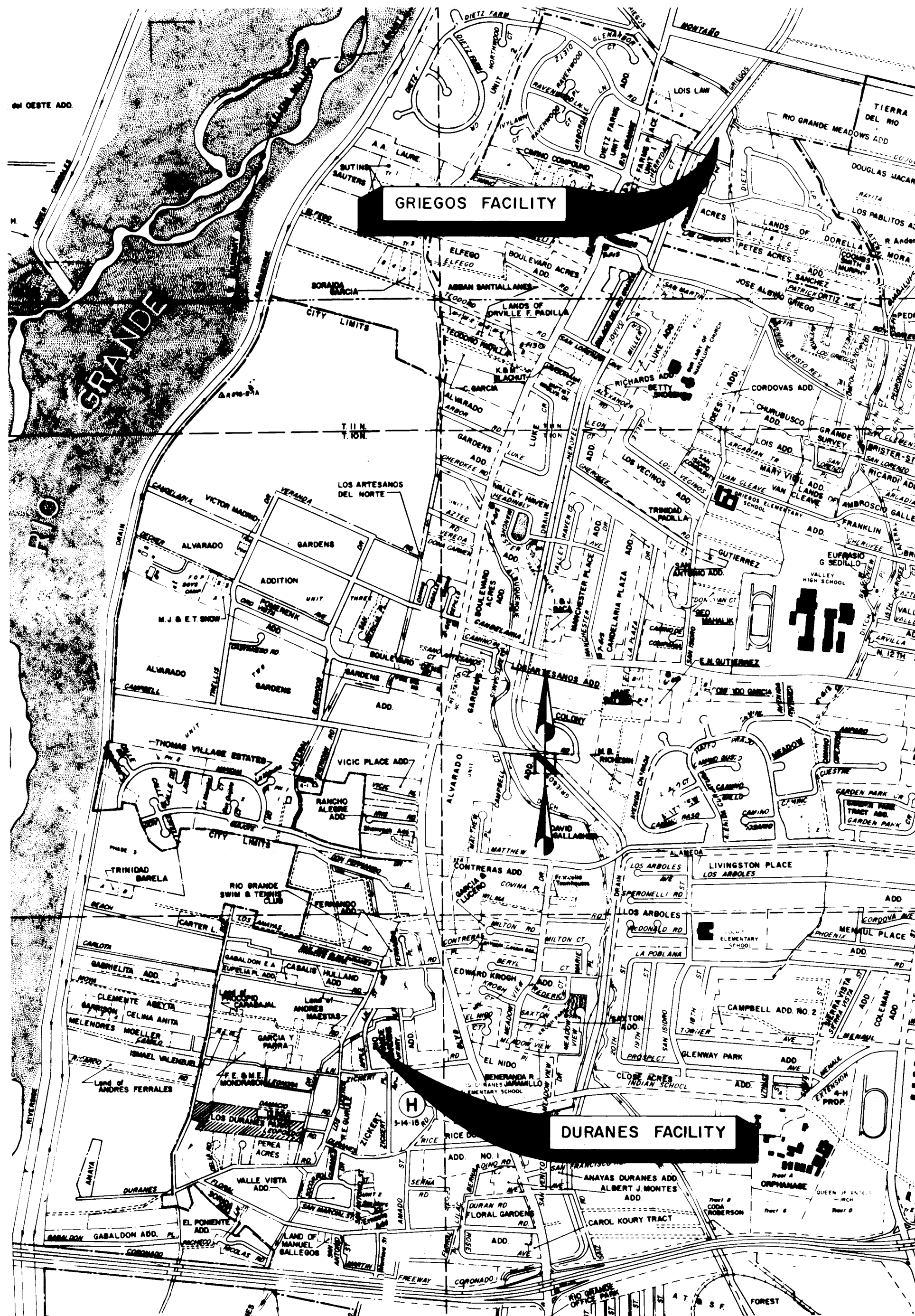
COLLEGE FACILITY
SCALE: 1"=1000' ZONE MAP H-9



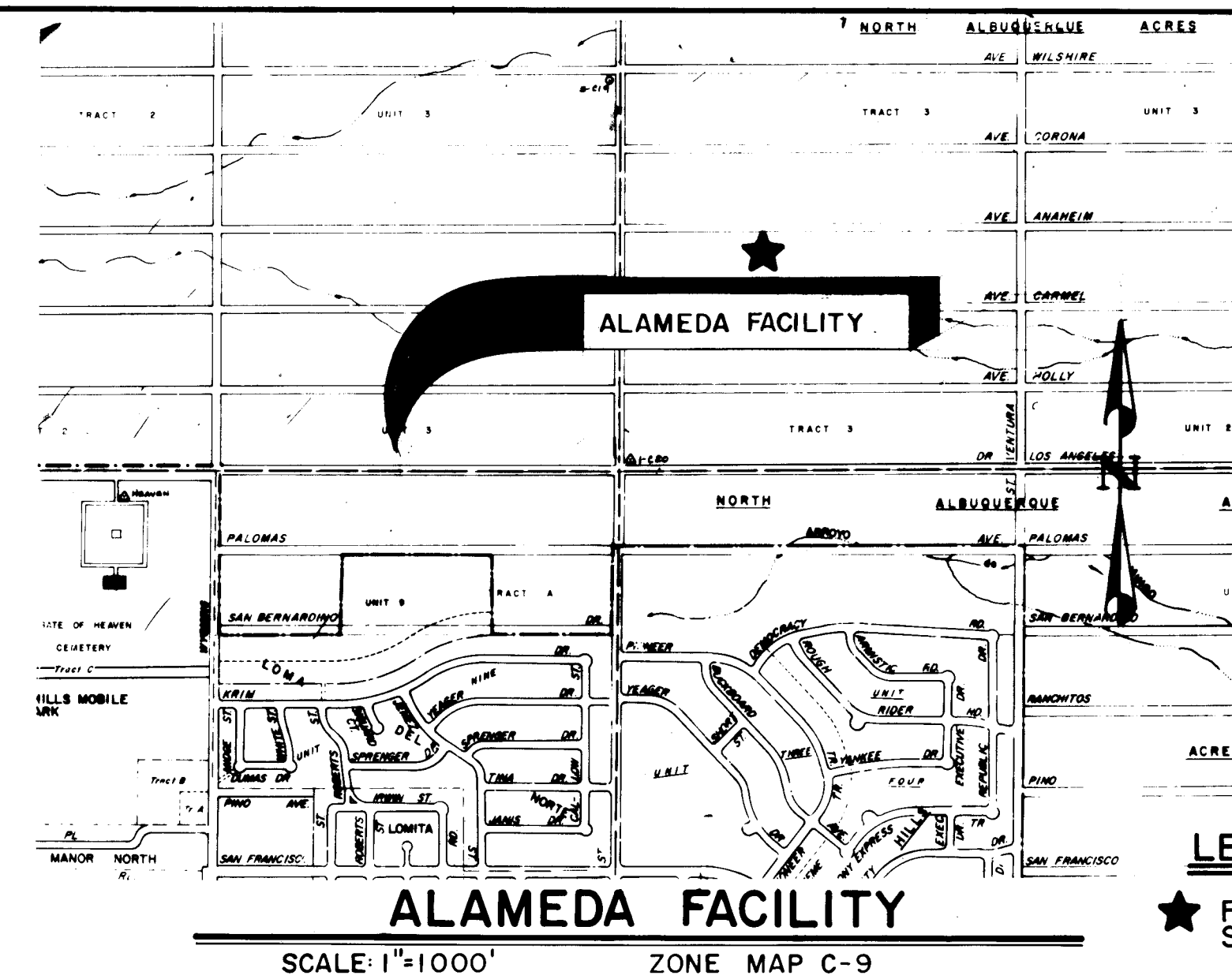
DON AND LEAVITT FACILITIES
SCALE: 1"=1000' ZONE MAP L-8 AND M-9



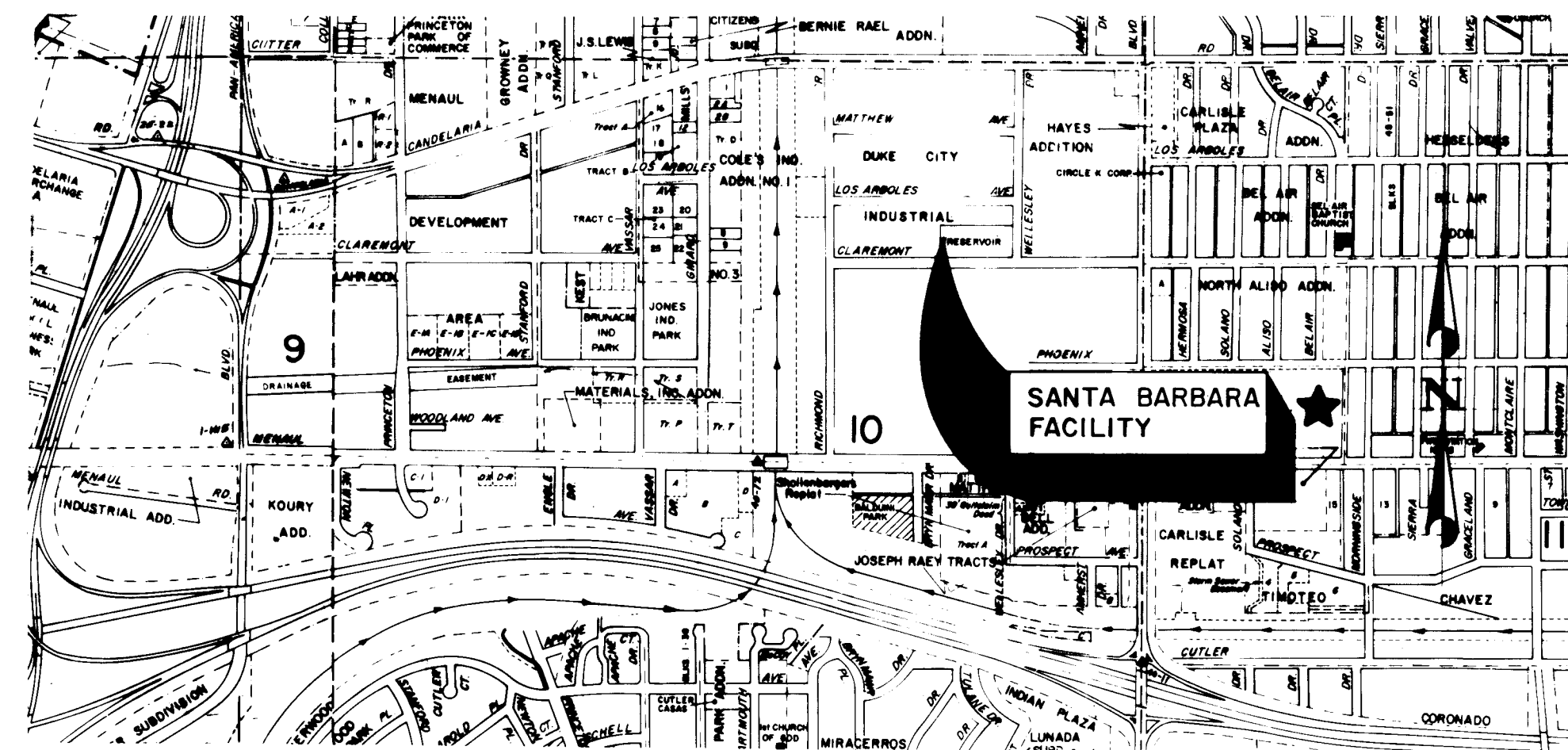
VOLCANO CLIFFS FACILITY
SCALE: 1"=1000' ZONE MAP E-9



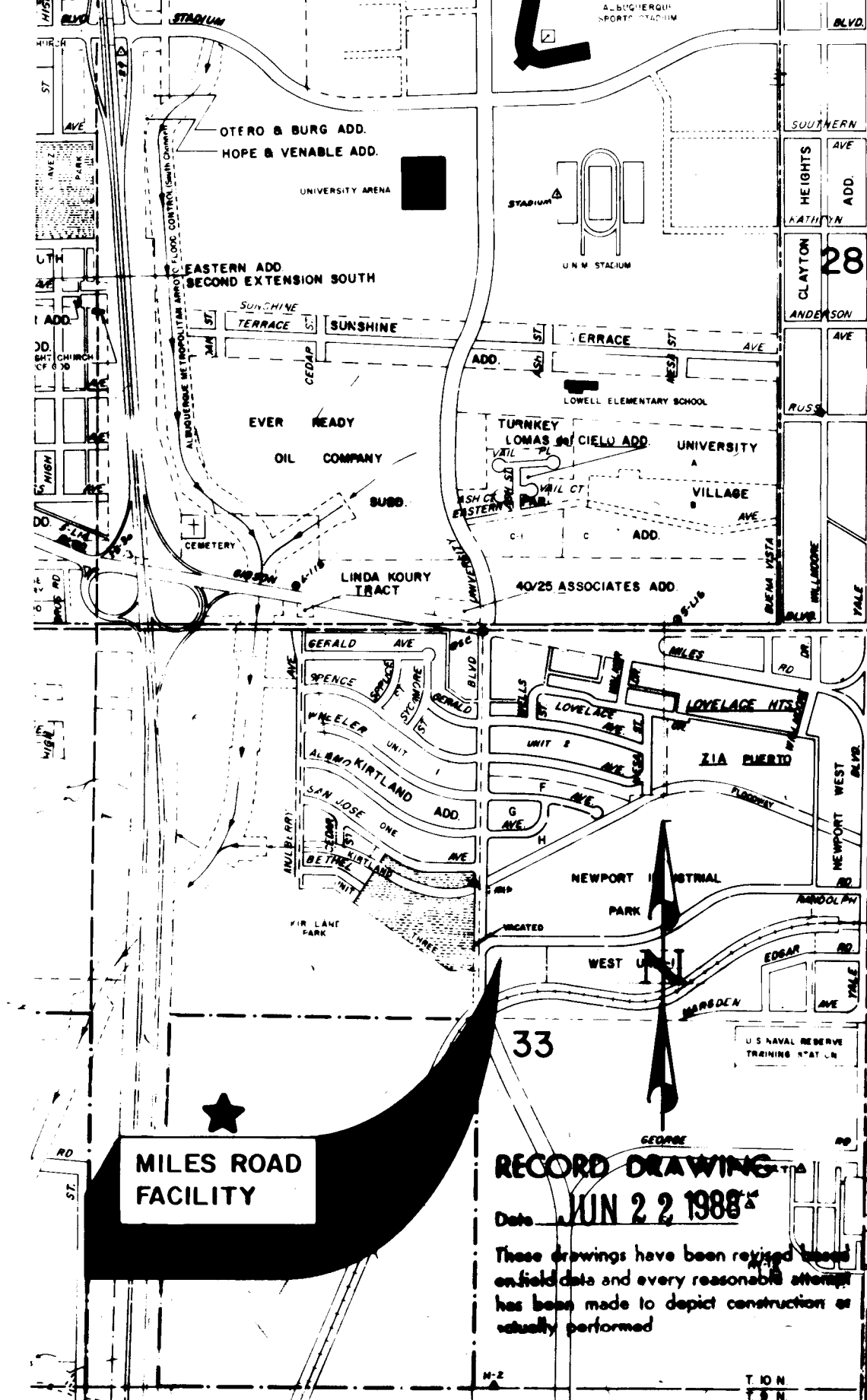
GRIEGOS AND DURANES FACILITIES
SCALE: 1"=1000' ZONE MAP F-13 AND H-12



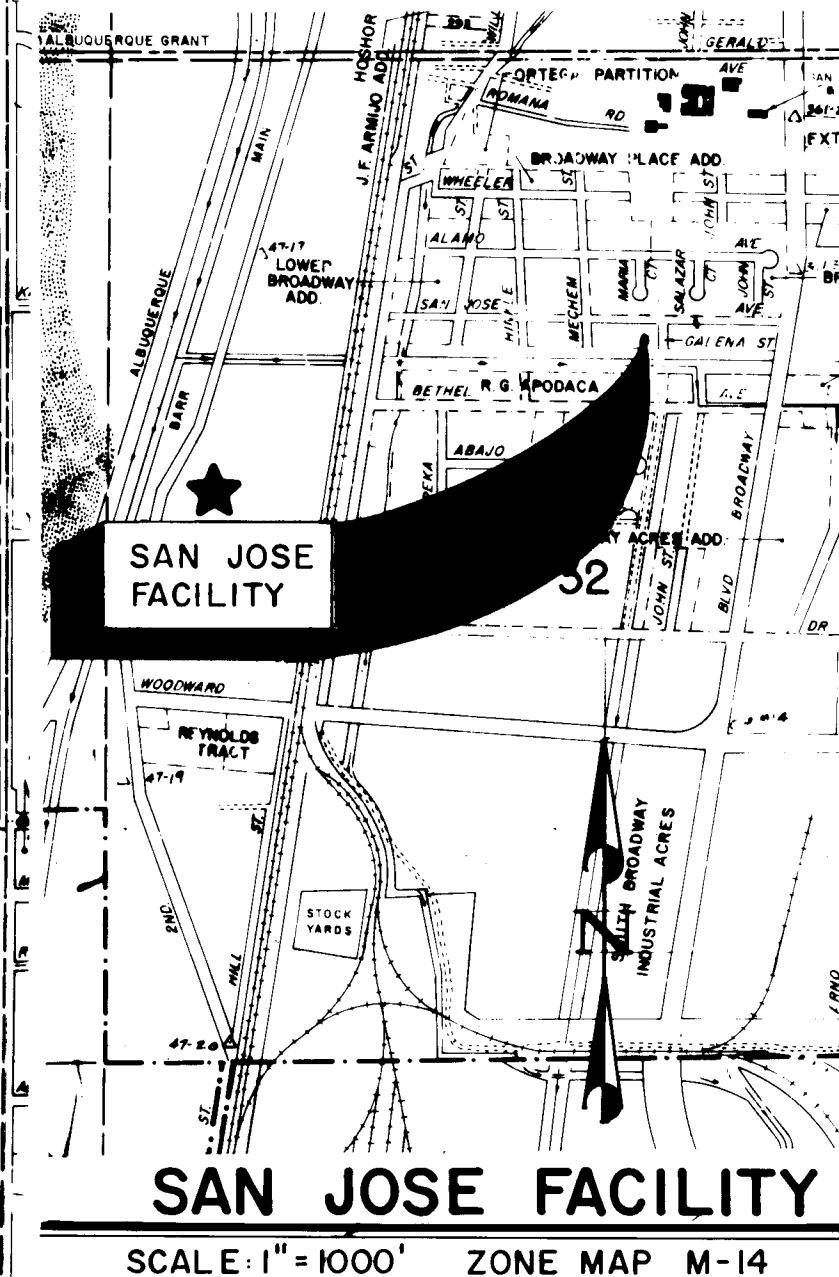
ALAMEDA FACILITY
SCALE: 1"=1000' ZONE MAP C-9



SANTA BARBARA FACILITY
SCALE: 1"=1000' ZONE MAP H-16



MILES ROAD FACILITY
SCALE: 1"=1000' ZONE MAP M-15



SAN JOSE FACILITY
SCALE: 1"=1000' ZONE MAP M-14

LEGEND:
★ FOR REQUIREMENTS SEE SPECIFICATIONS.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	NO.	See Sheet	for Bench Mark Data	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
STANDARD	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
ACCEPTANCE	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
FIELD	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
DRAWINGS	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
CORRECTIONS	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
MICRO-FILM	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
RECORDED	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.

REVISIONS			DESIGN		
NO.	DATE	REMARKS	NO.	DATE	REMARKS
1	DATE June 1985	DESIGNED BY S.E.O.	1	DATE June 1985	DRAWN BY P.A.P./J.L.B.
2	DATE June 1986	CHECKED BY W.W.W.	2	DATE June 1986	CHECKED BY W.W.W.

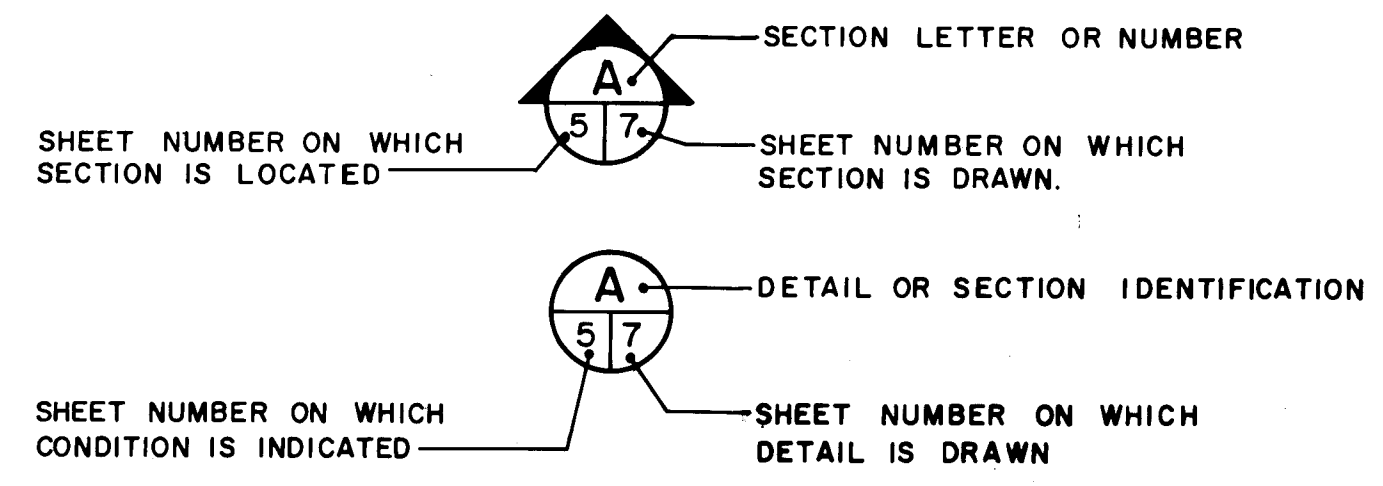
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS-1985					
VICINITY MAPS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C. E-Hydrology			Water		

DRAWING NO.	2626	MAP NO.		SHEET	2 OF 23
-------------	------	---------	--	-------	---------

LEGEND

PROPOSED	EXISTING	DESCRIPTION
NA		SANITARY SEWER MANHOLE
NA		STORM DRAIN MANHOLE
NA		TELEPHONE MANHOLE
NA		SANITARY SEWER LINE W/SIZE & TYPE
SD 48" RCP		STORM DRAIN LINE W/SIZE & TYPE
W 6" CI		WATER LINE W/SIZE & TYPE
E		OVERHEAD ELECTRICAL LINES
UE		UNDERGROUND ELECTRICAL / TRAFFIC CONTROL
NA		UNDERGROUND TELEPHONE
NA		GAS LINES W/SIZE & TYPE
NA		CABLE TELEVISION LINES
		ENCASEMENT
NA		STORM DRAIN INLETS (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		GATE VALVE
		BUTTERFLY VALVE
NA		FIRE HYDRANTS
		REDUCERS
NA		SAS SERVICE CONNECTION
NA		WATER SERVICE CONNECTION
		TEES
		CROSSES
		BENDS
		CAPS & PLUGS
NA		WATER METER
VB		VALVE BOX
PP		POWER POLE
NA		LIGHT POLE
NA		TRAFFIC LIGHT
NA		TRAFFIC CONTROL BOX
NA		PULL BOX
NA		TELEPHONE BOOTH
NA		CURB & GUTTER
NA		SIDEWALK
NA		BLOCK WALL
NA		CHAIN LINK FENCE
NA		FIELD FENCE
	NA	SPOT ELEVATIONS
NA		PROJECT / PHASE BOUNDARY
NA		RIGHT OF WAY LINES
NA		PROPERTY LINES (SIDE)
NA		PUBLIC EASEMENTS
NA	NA	CONSTRUCTION THIS PROJECT SPECIFIED ON DIFFERENT SHEET
NA	NA	LIGHT POLE BASE

PROPOSED	EXISTING	DESCRIPTION
		RESIDENTIAL PAVING
NA		ARTERIAL PAVING
		CONCRETE PAVING
NA		TEMPORARY PAVING
NA		WHEELCHAIR RAMPS

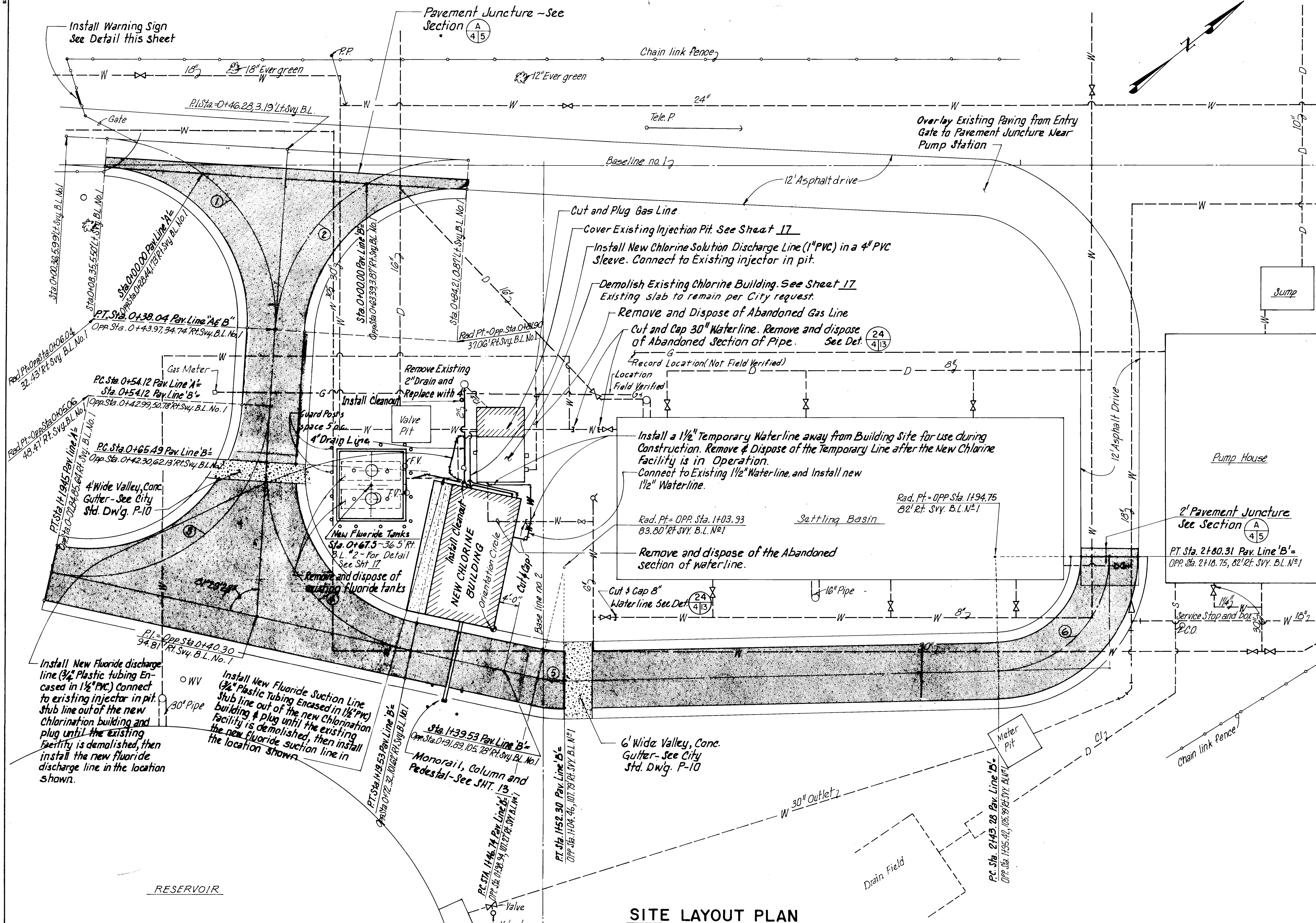


RECORD DRAWING

Date JUN 2 1988

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

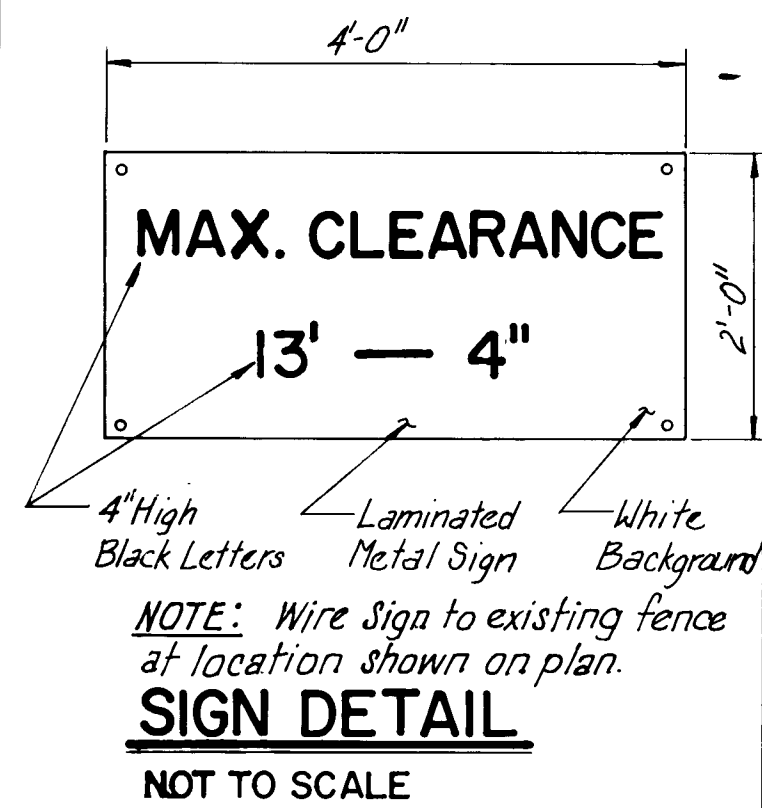
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WORKED BY	DATE	NO.	DATE	NO.	DATE
INSPECTED BY	DATE	NO.	DATE	NO.	DATE
ACCEPTANCE BY	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE
DRAWINGS	DATE	NO.	DATE	NO.	DATE
REVISIONS	DATE	NO.	DATE	NO.	DATE
CHECKED BY	DATE	NO.	DATE	NO.	DATE
BENCH MARKS					
See Sheet for Bench Mark Data					
SURVEY INFORMATION					
FIELD NOTES					
NO. BY					
REVISIONS					
NO. DATE					
DESIGN					
DESIGNED BY S.E.O.					
DRAWN BY J.L.B.					
CHECKED BY W.W.					
DATE June 1985					
DATE June 1985					
DATE 2/86					
ENGINEER'S SEAL					
CITY OF ALBUQUERQUE					
WATER RESOURCES DEPARTMENT					
ENGINEERING DIVISION					
TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATION - 1985					
GRIEGOS AND DURANES FACILITIES					
LEGEND					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO. 2626					
MAP NO.					
SHEET 3 OF 23					



SITE LAYOUT PLAN
SCALE: 1" = 10'

Curve ① Data	Curve ② Data	Curve ③ Data	Curve ④ Data	Curve ⑤ Data	Curve ⑥ Data
$\Delta = 90^{\circ}00'00''$	$\Delta = 90^{\circ}00'00''$	$\Delta = 90^{\circ}30'33''$	$\Delta = 81^{\circ}29'26''$	$\Delta = 13^{\circ}16'44''$	$\Delta = 86^{\circ}23'40''$
$R = 38.00'$	$R = 38.00'$	$R = 38.00'$	$R = 38.00'$	$R = 24.00'$	$R = 24.00'$
$T = 38.00'$	$T = 38.00'$	$T = 44.11'$	$T = 32.74'$	$T = 2.79'$	$T = 23.34'$
$L = 59.69'$	$L = 59.69'$	$L = 65.33'$	$L = 54.05'$	$L = 5.56'$	$L = 37.03'$

RECORD DRAWING
Date: JUN 22 1988
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



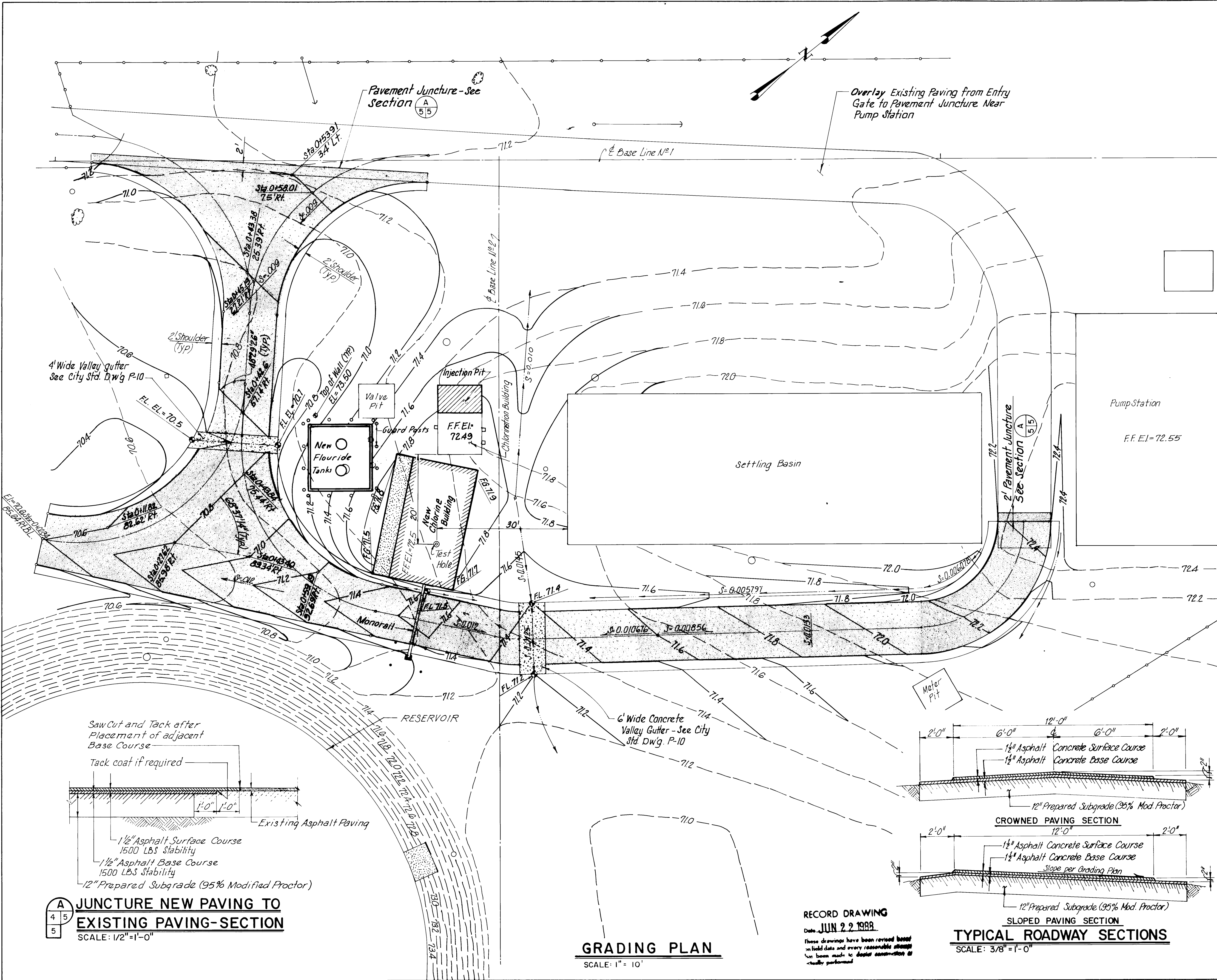
26 26260488

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS-1985 GRIEGOS FACILITY SITE LAYOUT PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO.	2626	MAP NO.	F-13	SHEET	4 OF 23

BENCH MARKS		AS BUILT INFORMATION	
CONTRACTOR	DATE	CONTRACTOR	DATE
INSPECTOR	DATE	INSPECTOR	DATE
APPROVED BY	DATE	APPROVED BY	DATE
VERIFICATION BY	DATE	VERIFICATION BY	DATE
CORRECTED BY	DATE	CORRECTED BY	DATE
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
RECORDED BY	NO.	RECORDED BY	NO.

SURVEY INFORMATION		FIELD NOTES	
NO.	BY	NO.	BY

ENGINEER'S SEAL	
DATE	DATE
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE



TEST HOLE DATA

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	BY	FIELD NOTES	BENCH MARK	CONTRACTOR	WORK	DATE
				300 southeast corner of a fire hydrant located on the west side of Rio Grande Blvd. about 300 south of the junction with Dietz Farm Rd.			
				in front of house no. 4124 Rio Grande Blvd. N.W.			
				E.I. = 4914.738			

REVISIONS

NO.	DATE	REMARKS	BY
1	DATE June 1985	DESIGN	
2	DATE June 1985		

DESIGNED BY: S.E.O.
DRAWN BY: G.C.
CHECKED BY: J.L.W.

26 26260588

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS - 1985
GRIEGOS FACILITY

GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

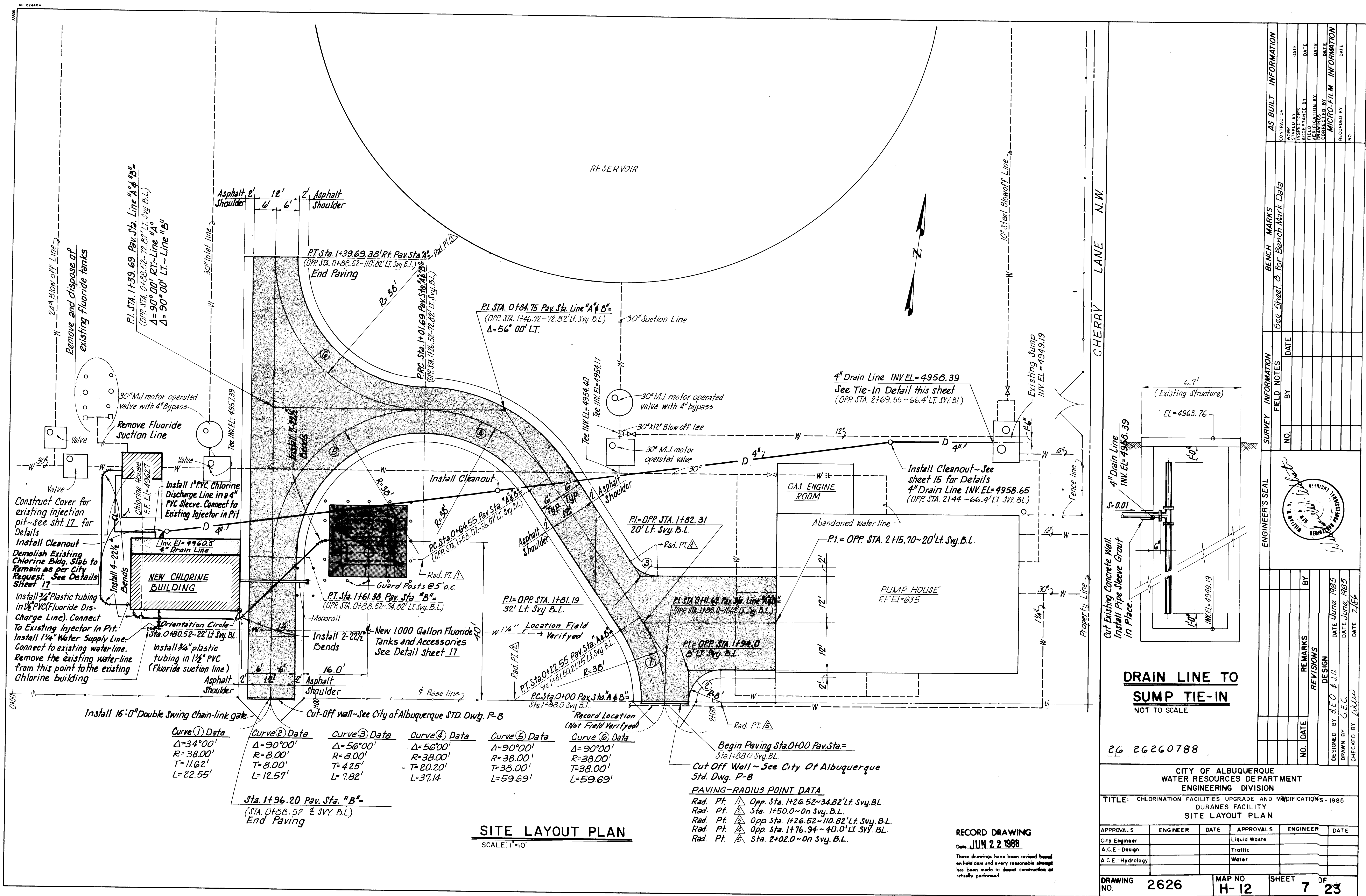
DRAWING NO. **2626** MAP NO. **F-13** SHEET **5** OF **23**

A **JUNCTURE NEW PAVING TO EXISTING PAVING-SECTION**
SCALE: 1/2" = 1'-0"

GRADING PLAN
SCALE: 1" = 10'

RECORD DRAWING
Date: **JUN 22 1988**
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

TYPICAL ROADWAY SECTIONS
SCALE: 3/8" = 1'-0"



SITE LAYOUT PLAN
SCALE: 1"=10'

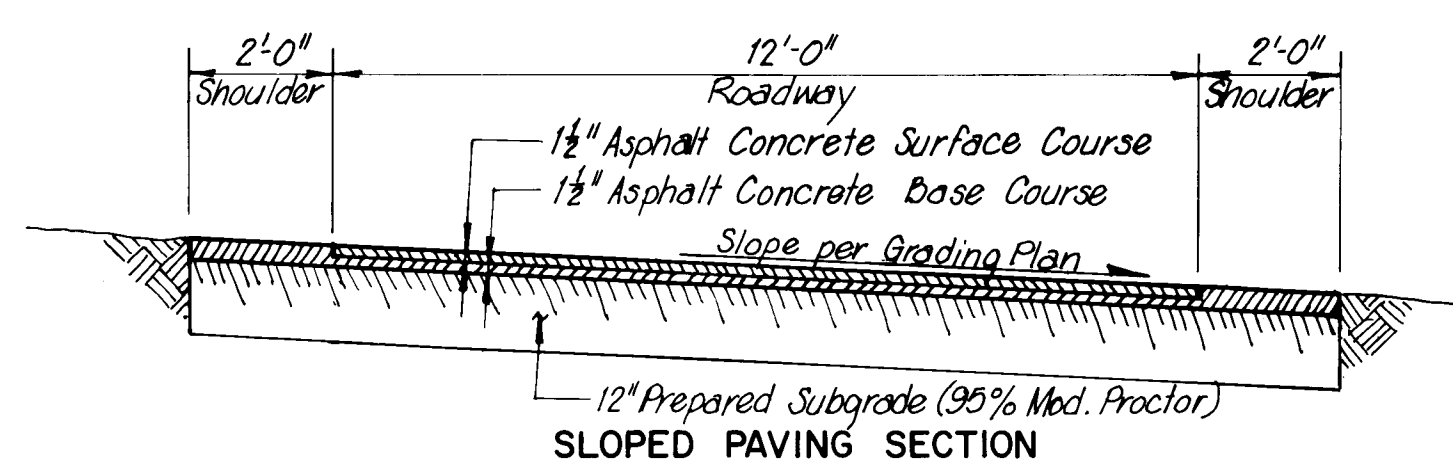
RECORD DRAWING
DATE: JUN 22 1988

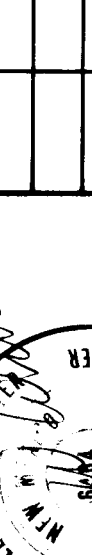
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

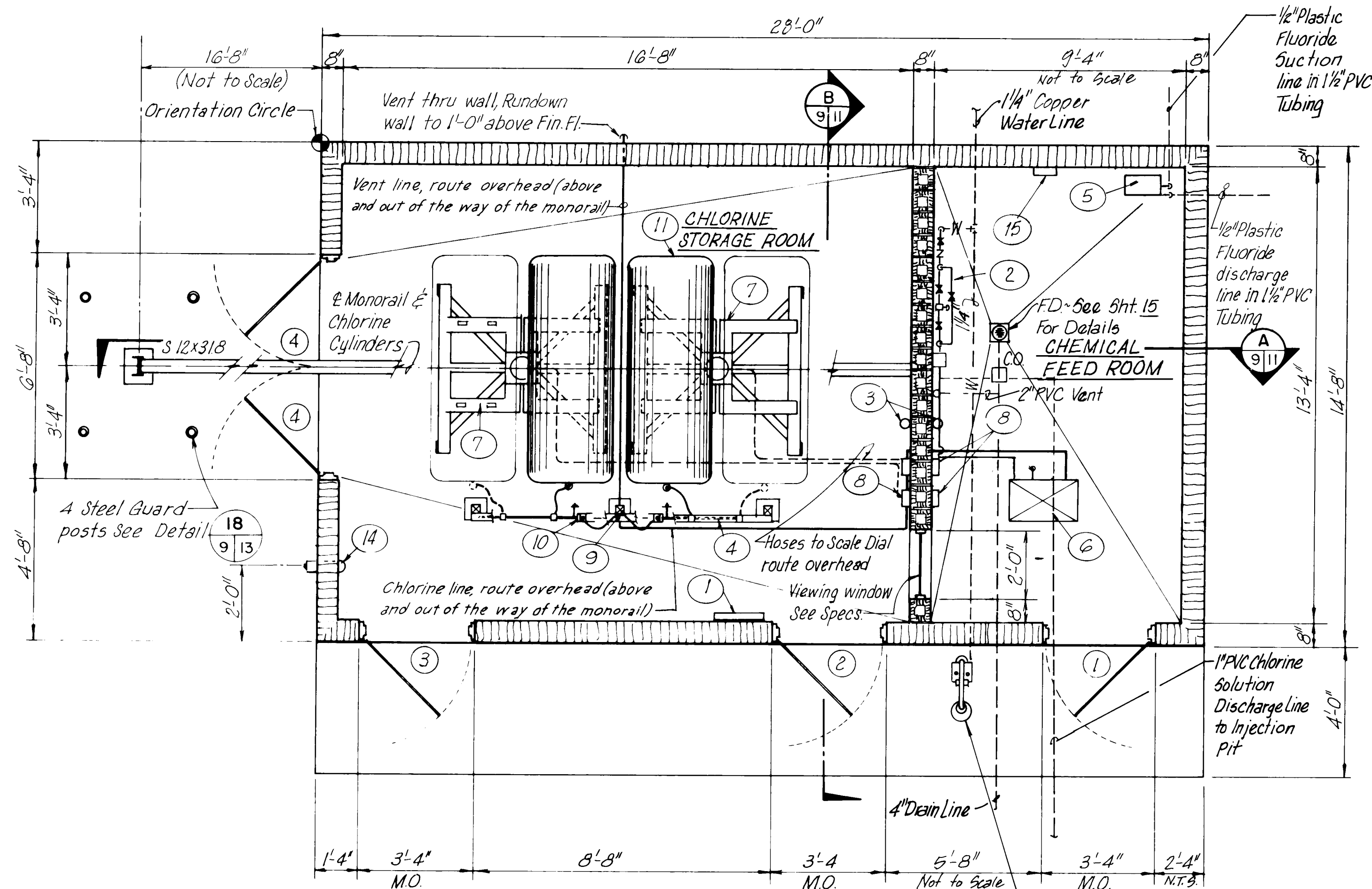
DRAIN LINE TO
SUMP TIE-IN
NOT TO SCALE

26 26260788

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS-1985 DURANES FACILITY SITE LAYOUT PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO.	2626	MAP NO.	H-12	SHEET	7 OF 23

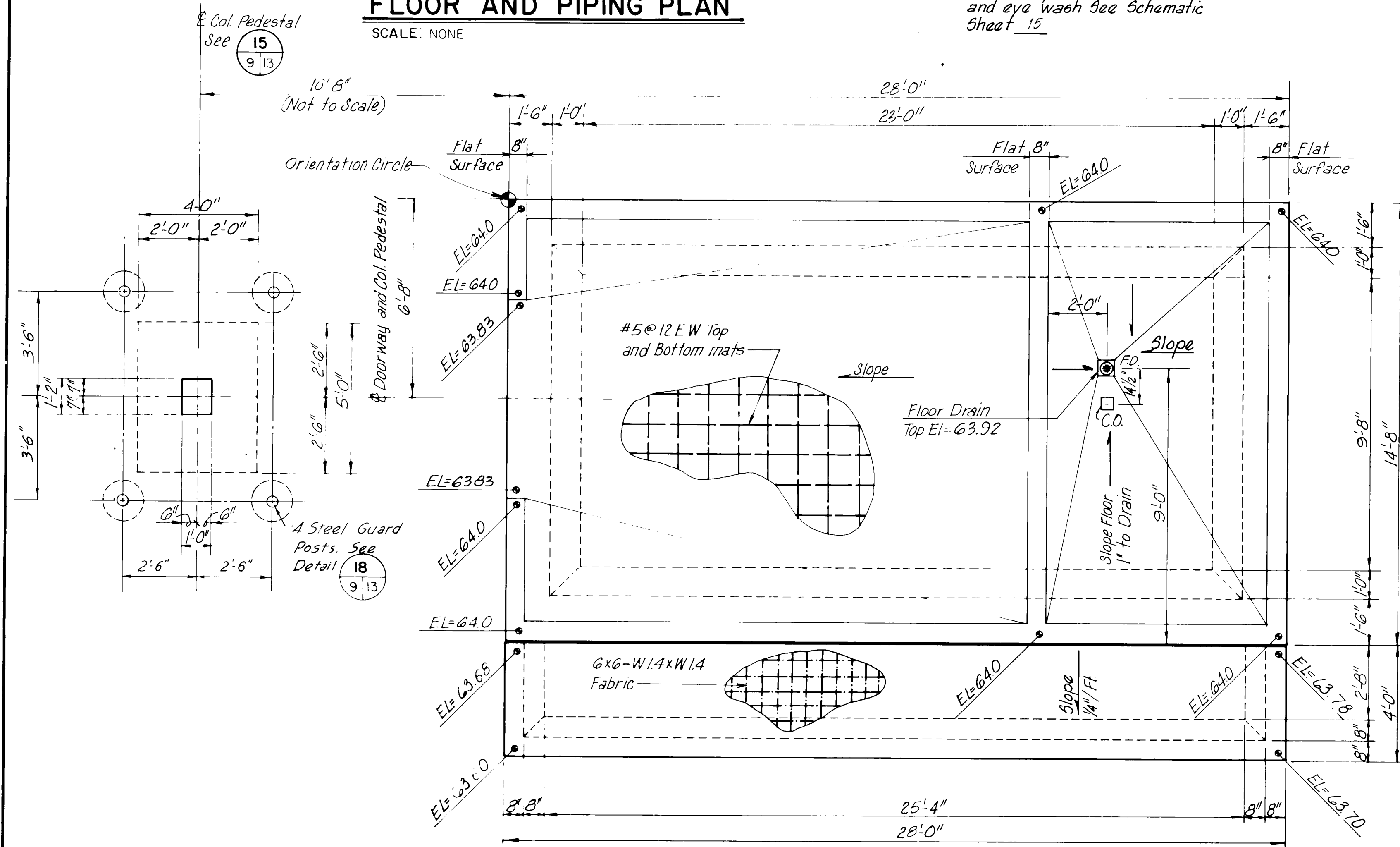


SHEET 2 OF 23			DATE ENGINEER DRAFTER			MODIFICATION - 1985 CITY DIVISION			NO. [] DATE [] CHECKED BY [] DRAWN BY [] DESIGNED BY []			REVISIONS NO. [] DATE [] BY []			ENGINEER'S SEAL 			SURVEY INFORMATION FIELD NOTES NO. [] BY [] DATE []			BENCH MARKS BENCH MARK DATA: 3-H/3 Located at the junction of Rio Grande and El Nido Ct. NW, in the southeast quadrant of the road junction. A square 1/4 chained on top of concrete curb at the S.E. curb return EI=4963.012			AS BUILT INFORMATION CONTRACTOR [] INSPECTORS STAMPED BY [] DATE [] FIELD CHANGE BY [] DATE [] VERIFICATION BY [] DATE [] CORRECTED BY [] DATE [] MICRO-FILM INFORMATION RECORDED BY [] DATE [] NO. []		
---------------	--	--	-----------------------------	--	--	---	--	--	--	--	--	---	--	--	---	--	--	--	--	--	--	--	--	--	--	--



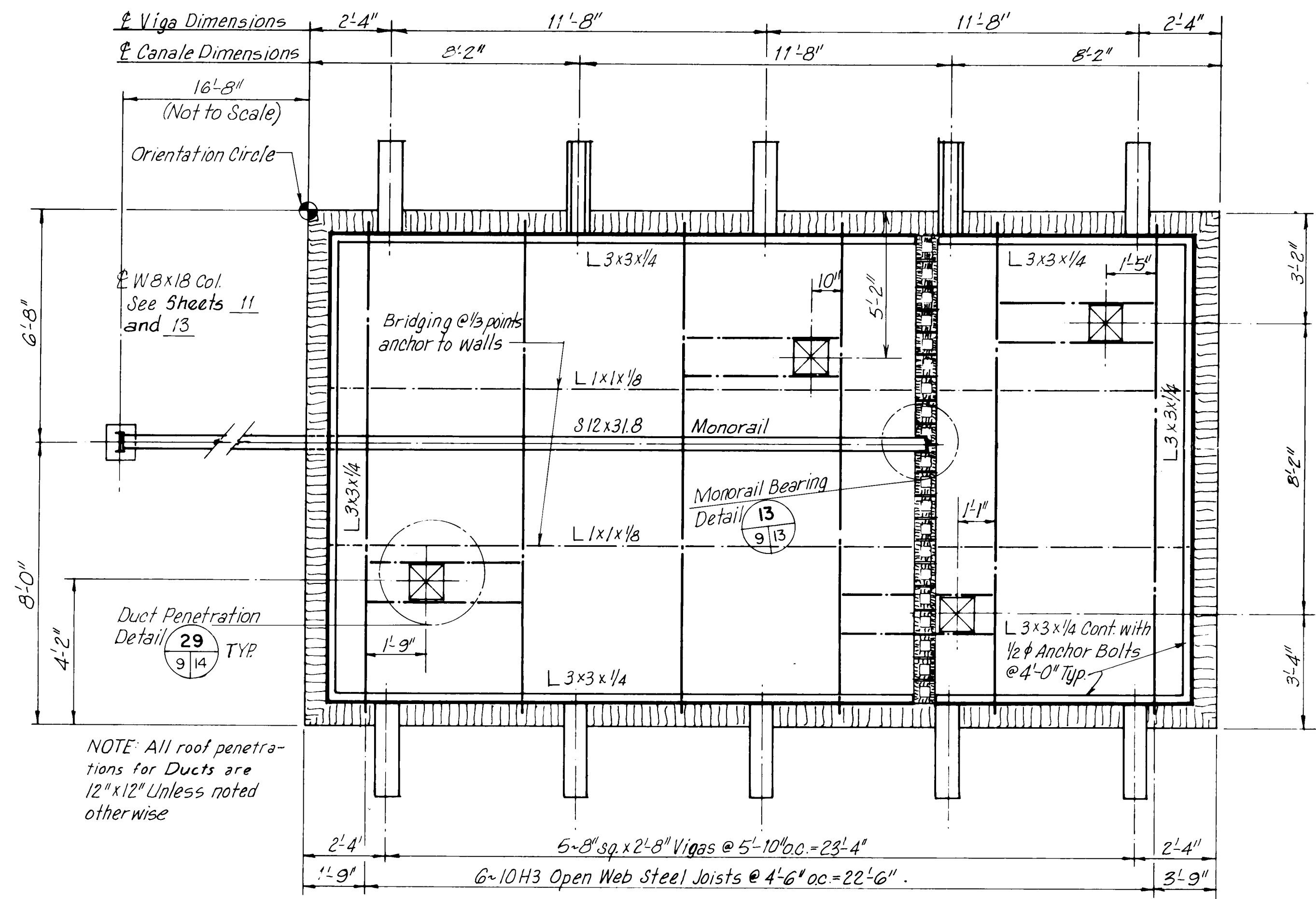
FLOOR AND PIPING PLAN

SCALE: NONE



FOUNDATION PLAN

SCALE: NONE



ROOF FRAMING PLAN

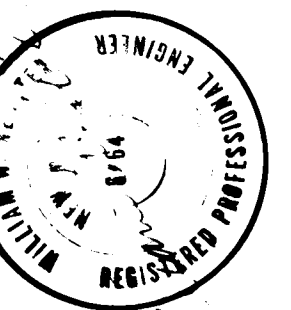
SCALE: NONE

EQUIPMENT SCHEDULE

1	Procedures Enclosure, See Detail Sheet 13
2	Wall Mounted Disinfection System Piping, See Sheet 15
3	Chlorine Leak Detector, Mount 1'-0" above Finished Floor
4	Chlorine Piping Support, See Sheet 15
5	Fluoride Metering Pump
6	Chlorinator
7	Hydraulic Load Cell Scale
8	Chlorine Scale-Dial (Mount on Wall at 4'-0")
9	Cross With Stand-by Pressure Relief Valve and Vent to Outside
10	Chlorine Tank Manifold Header and Header Guard
11	1 Ton Chlorine Cylinder (Supplied with Gas)
14	Chlorine Suction Outlet, See Detail Sheet 13
15	Mount One-Ton Cylinder Repair Kit

1 Door Number and Symbol - See Sheet 12 for Schedule and Details

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACTOR	WORK	DATE	DATE	NO.	BY	DATE	DATE	NO.	DATE
STATIONED BY	DATE	DATE	DATE	REVISIONS	REMARKS	BY	DATE	DESIGNED BY	DATE
FIELD CHECKED BY	DATE	DATE	DATE	DESIGN	DATE	DATE	DATE	DRAWN BY	DATE
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	CHECKED BY	DATE
MICRO-FILM INFORMATION		RECORDED BY		NO.		DATE		DATE	



26 26260988

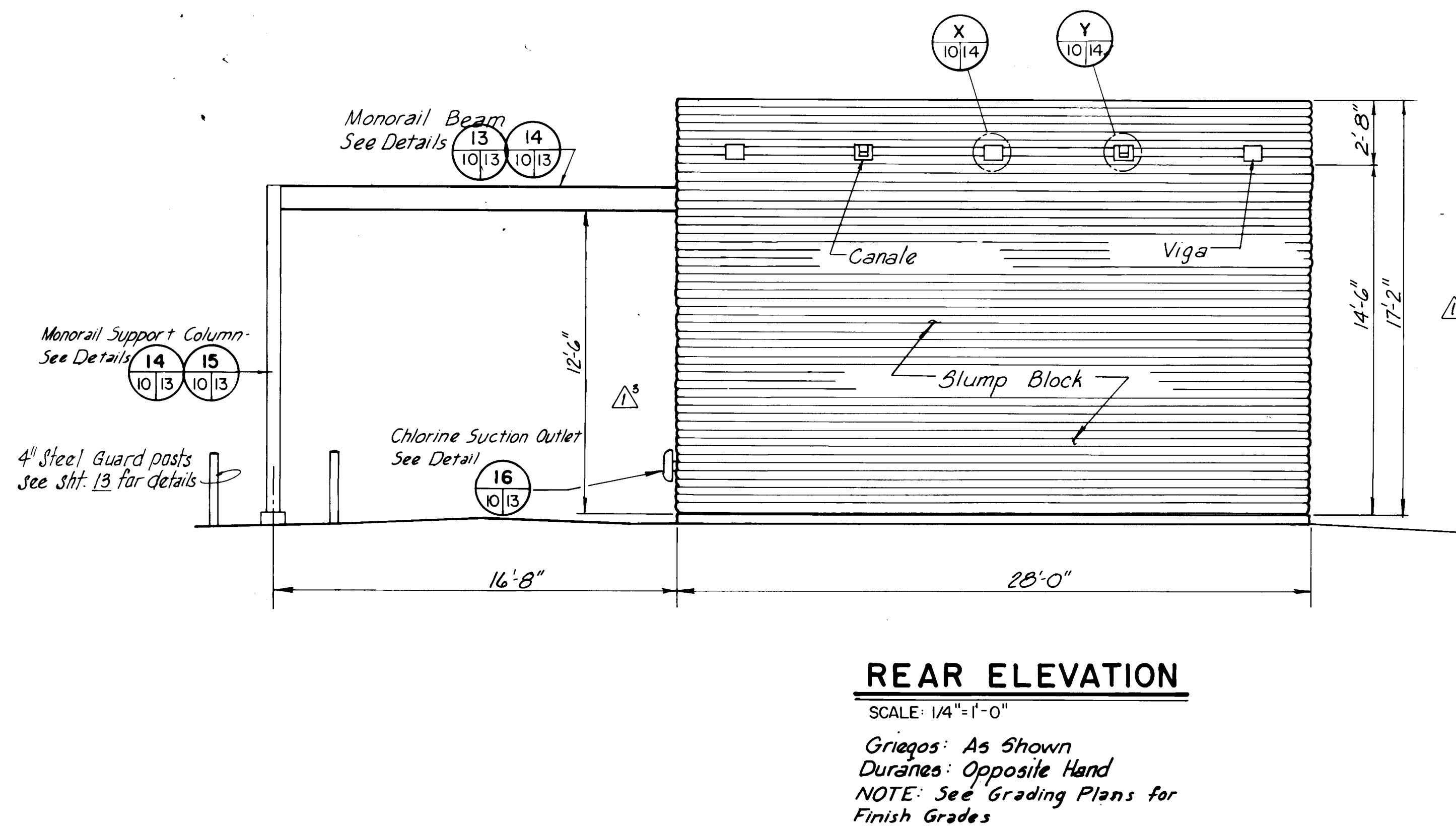
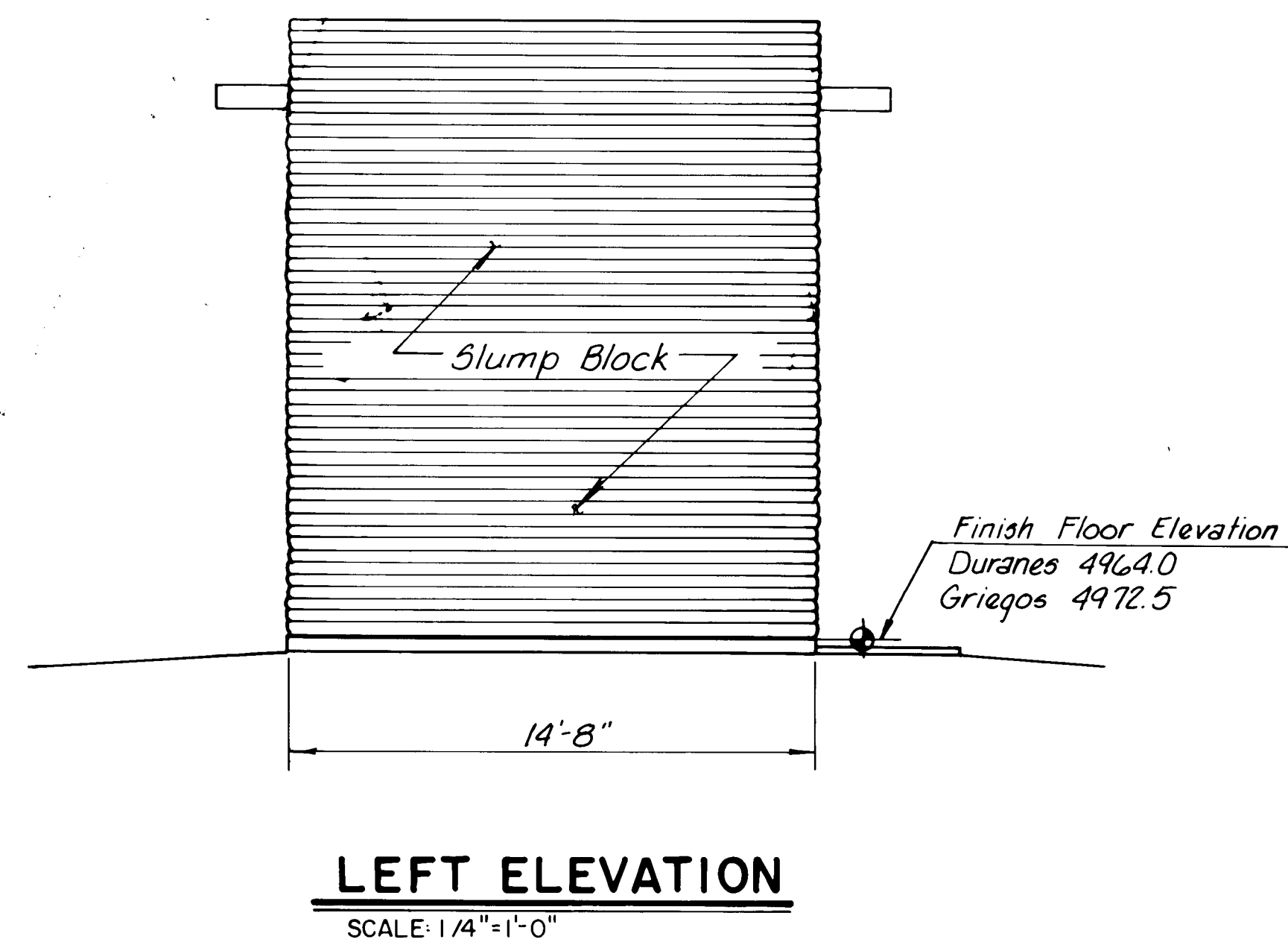
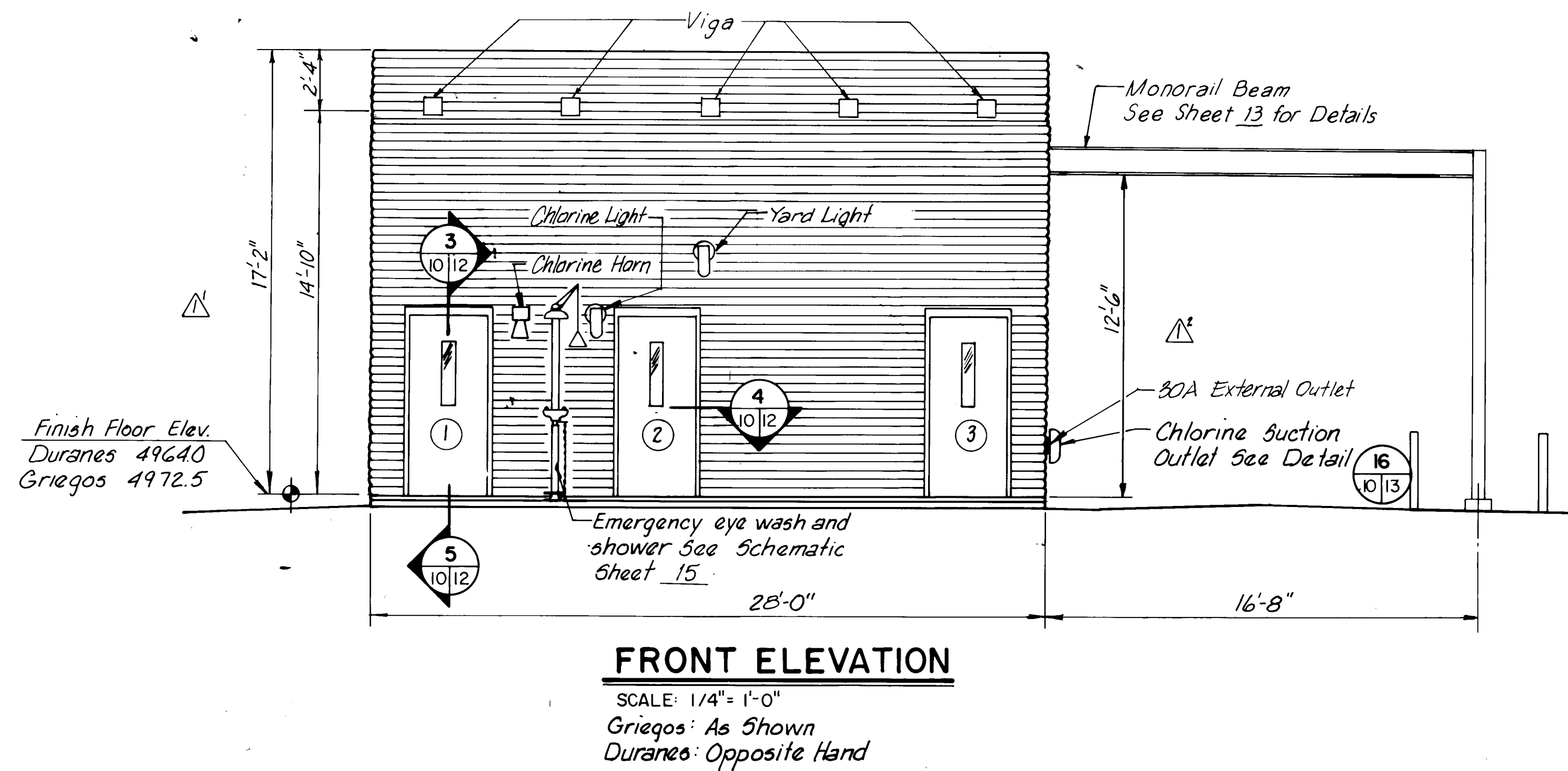
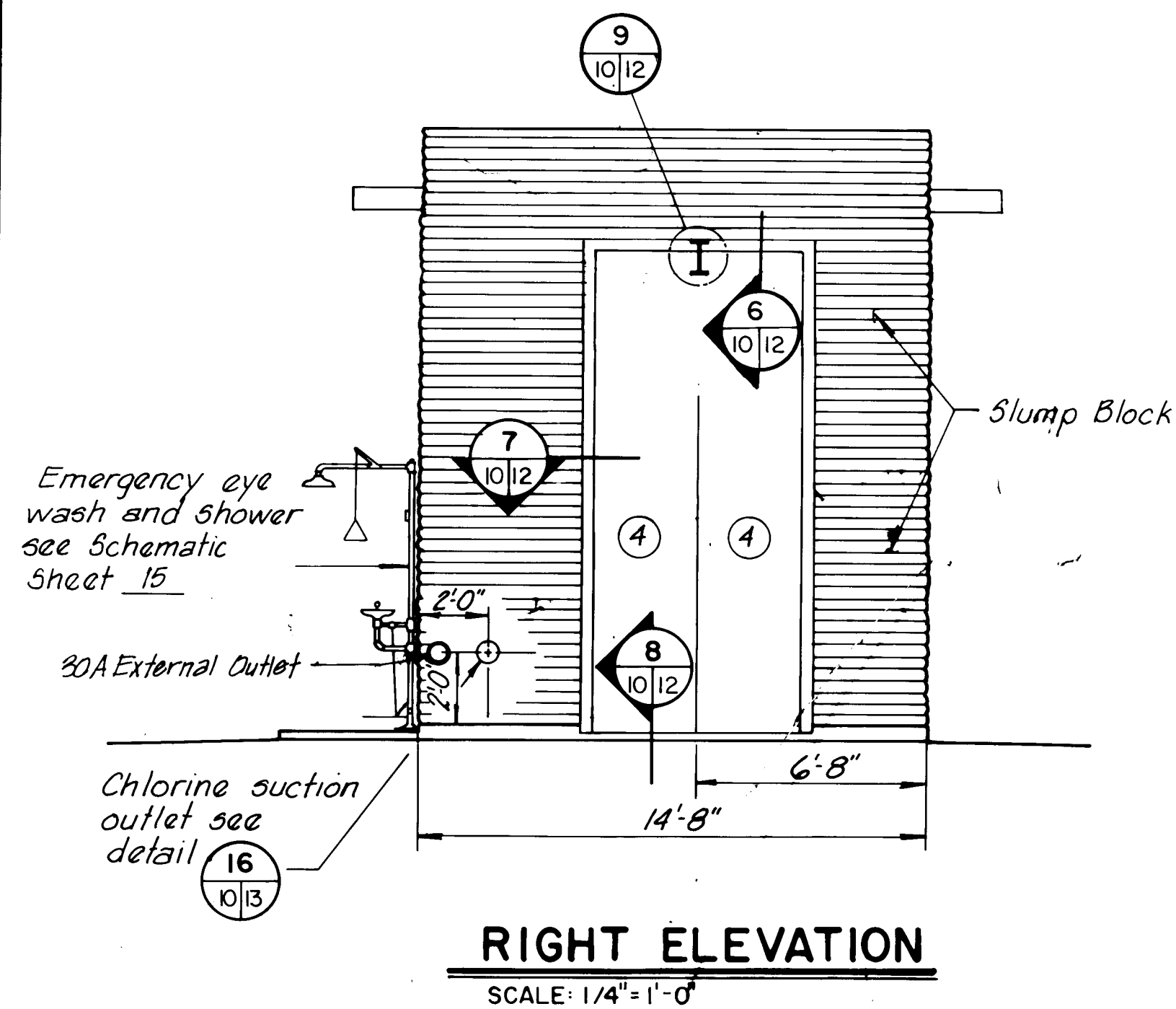
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS - 1985
DURANES FACILITY
FOUNDATION, FLOOR, PIPING,
ROOF FRAMING PLANS AND SCHEDULE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. 2626 MAP NO. H-12 SHEET 9 OF 23

REC'D JUN 2 1986

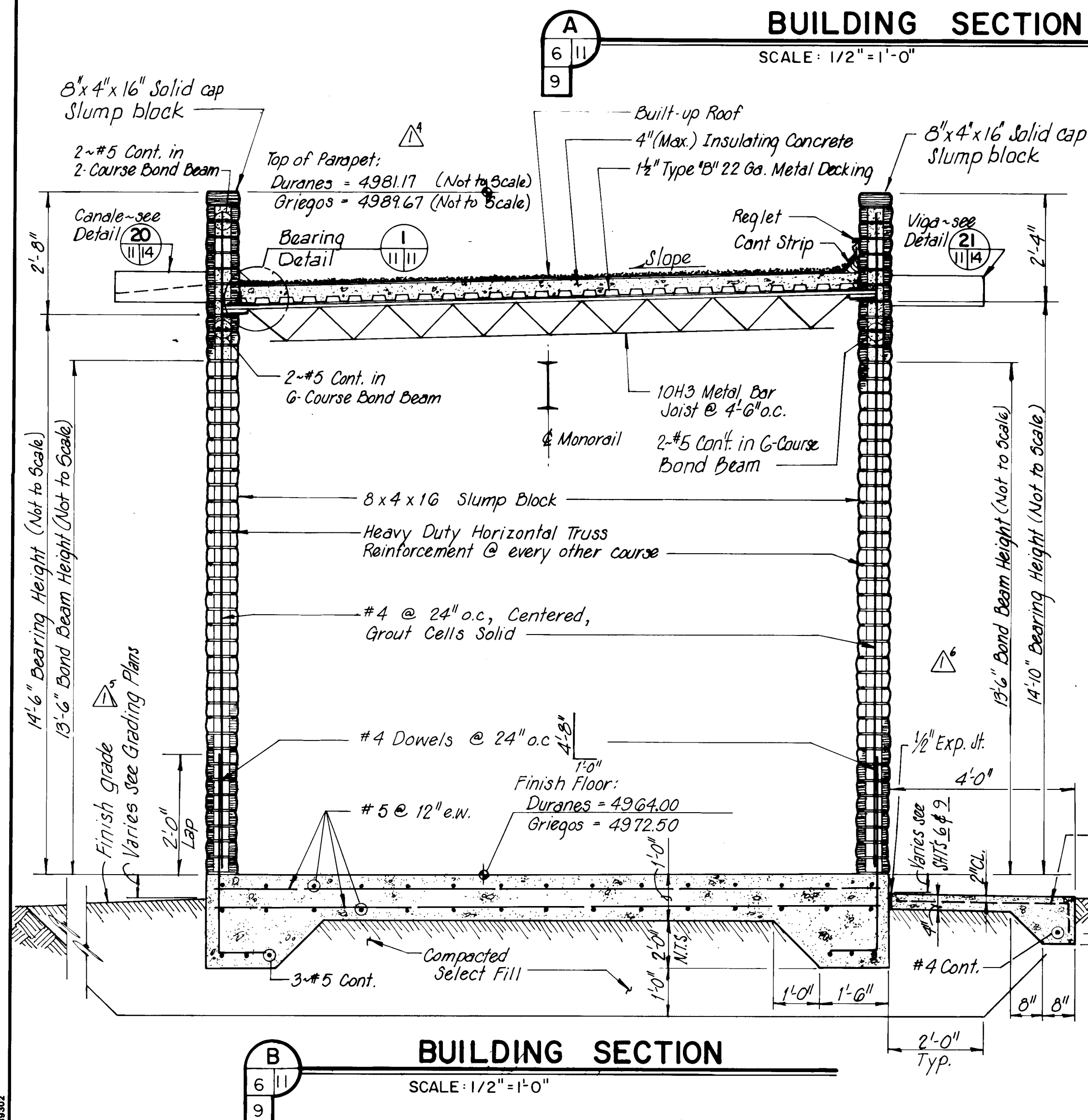


RECORD DRAWING
Date: **JUN 22 1988**
These drawings have been revised based on field data and every effort has been made to depict construction as actually performed.

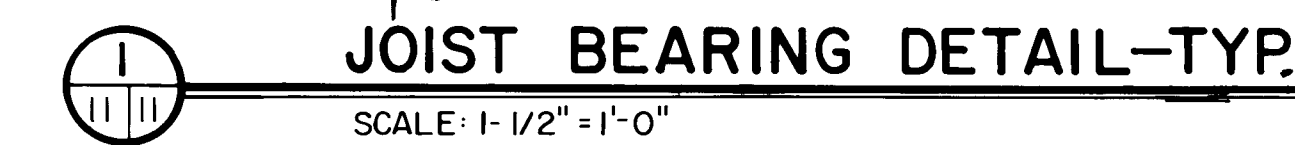
26 26261088

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS-1985 GRIEGOS AND DURANES FACILITIES BUILDING ELEVATIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C. E-Hydrology			Water		
DRAWING NO. 2626		MAP NO. F-13, H-12		SHEET 10 OF 23	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE	CONTRACTOR	DATE
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				STARTED BY <td>DATE </td>	DATE
				ACCEPTANCE BY <td>DATE </td>	DATE
				FIELD <td>DATE </td>	DATE
				DRAWINGS <td>DATE </td>	DATE
				CORRECTED BY <td>DATE </td>	DATE
				RECORDED BY <td>DATE </td>	DATE
				N.O.	DATE



BUILDING SECTION



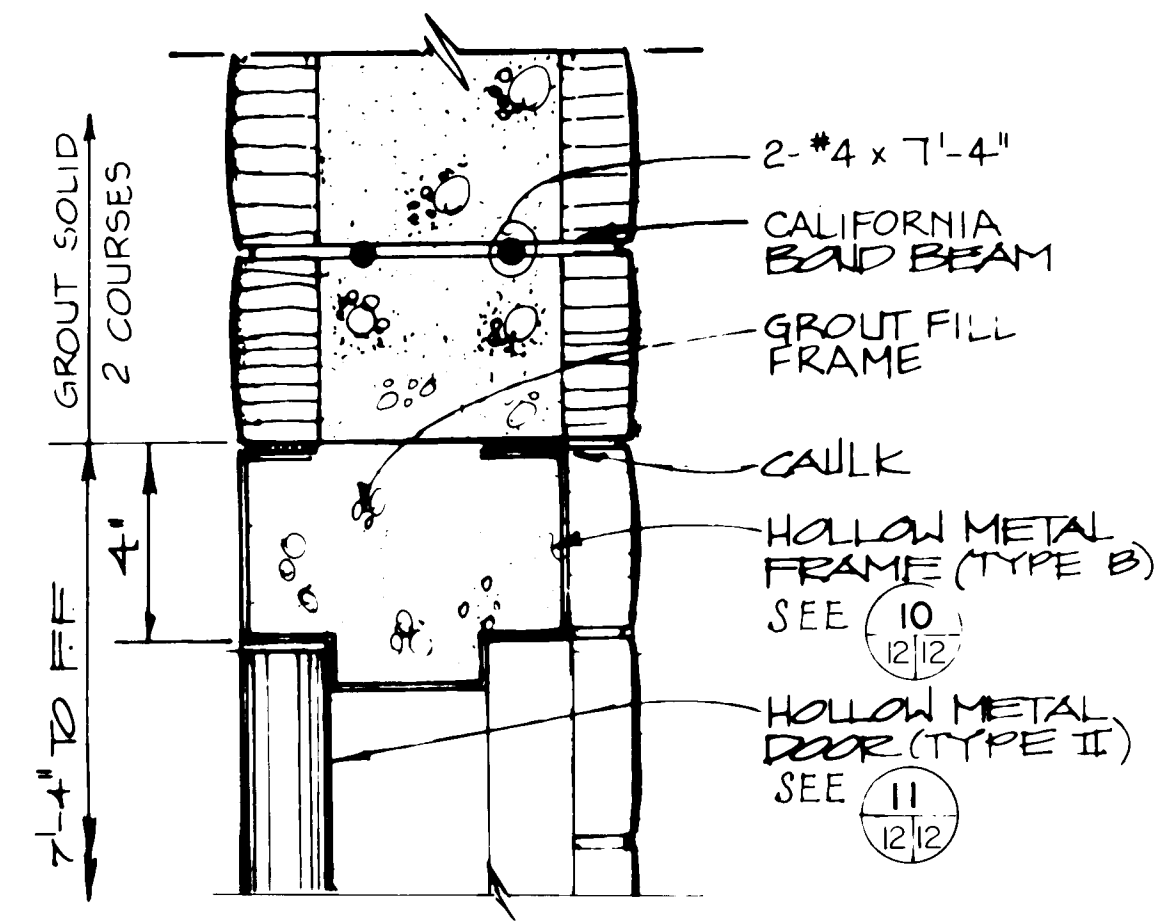
JOIST BEARING DETAIL-TYP.



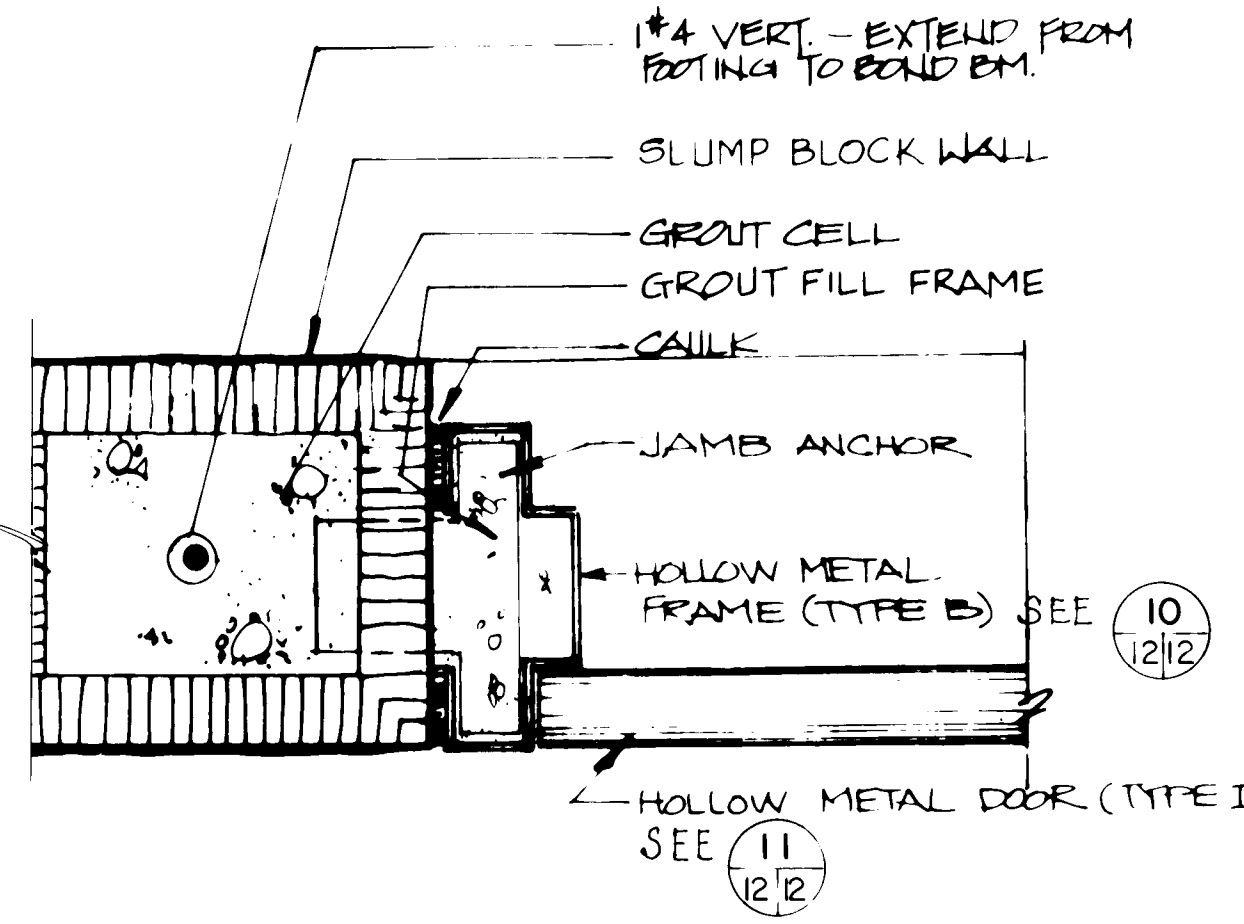
METAL DECK BEARING DETAIL-TYP

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

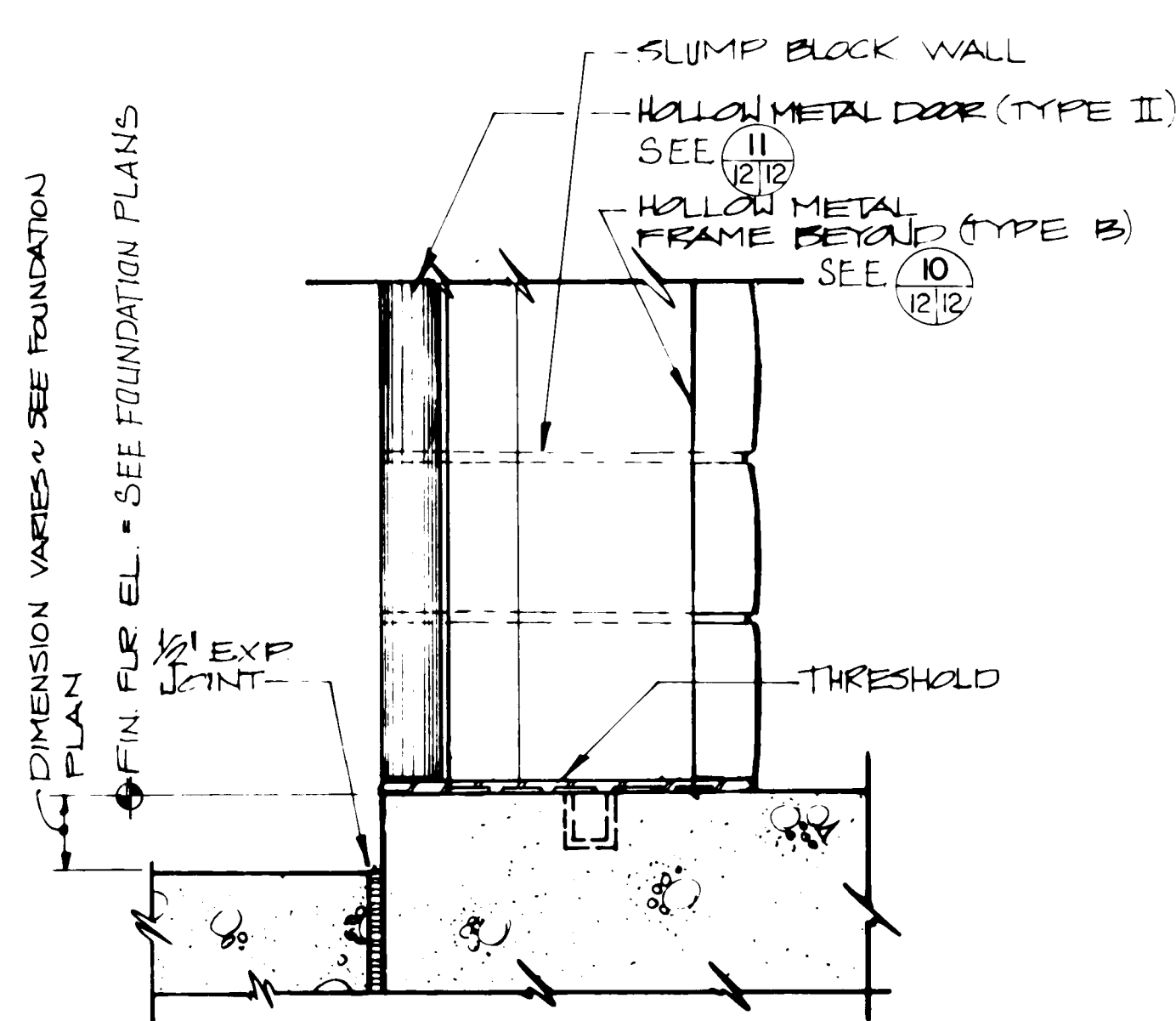
DRAWING NO.	2626	MAP NO.	F-13.H-12	SHEET	11	OF	23
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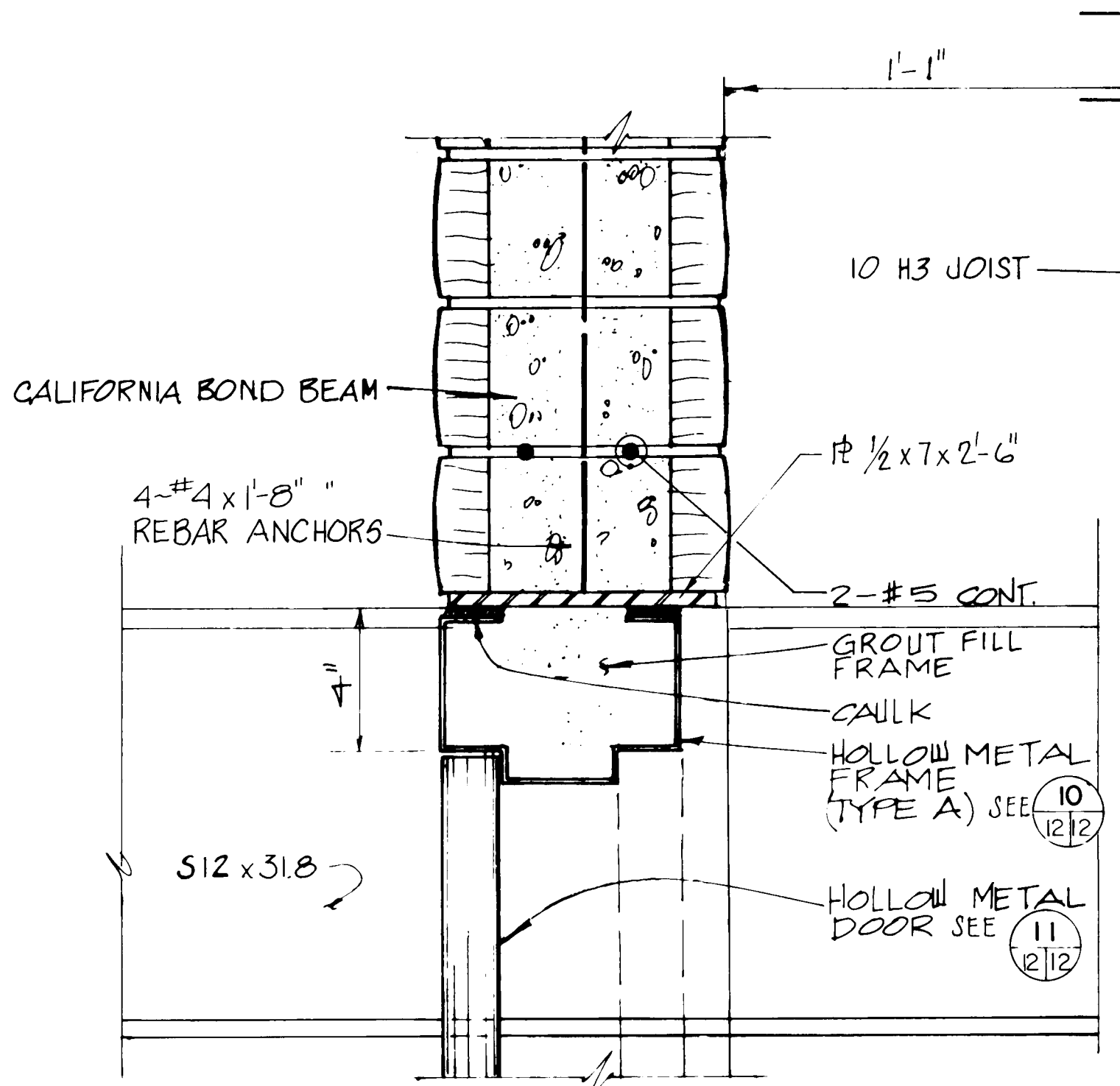
3 DOOR HEAD DETAIL (TYPE II)
SCALE: 3"=1'-0"



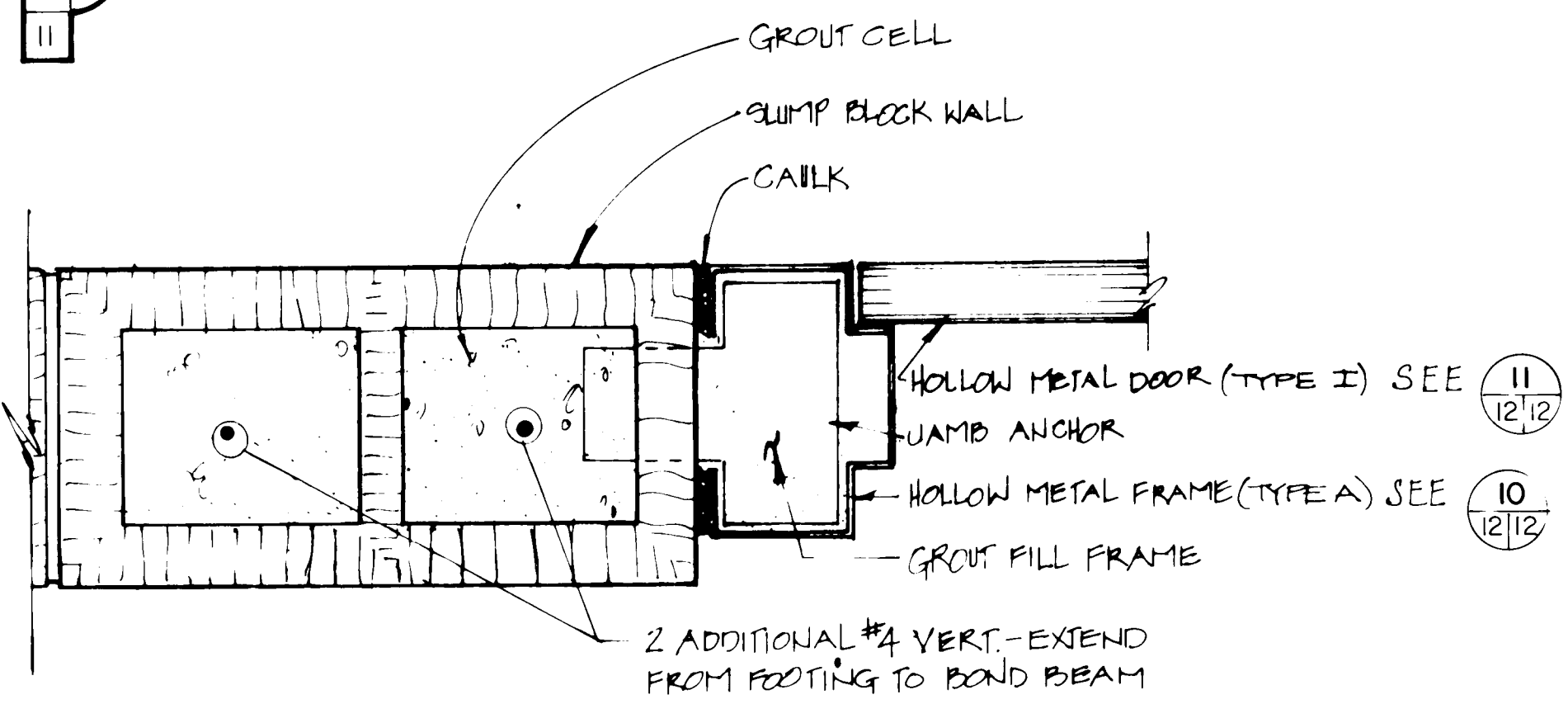
4 DOOR JAMB DETAIL (TYPE II)
SCALE: 3"=1'-0"



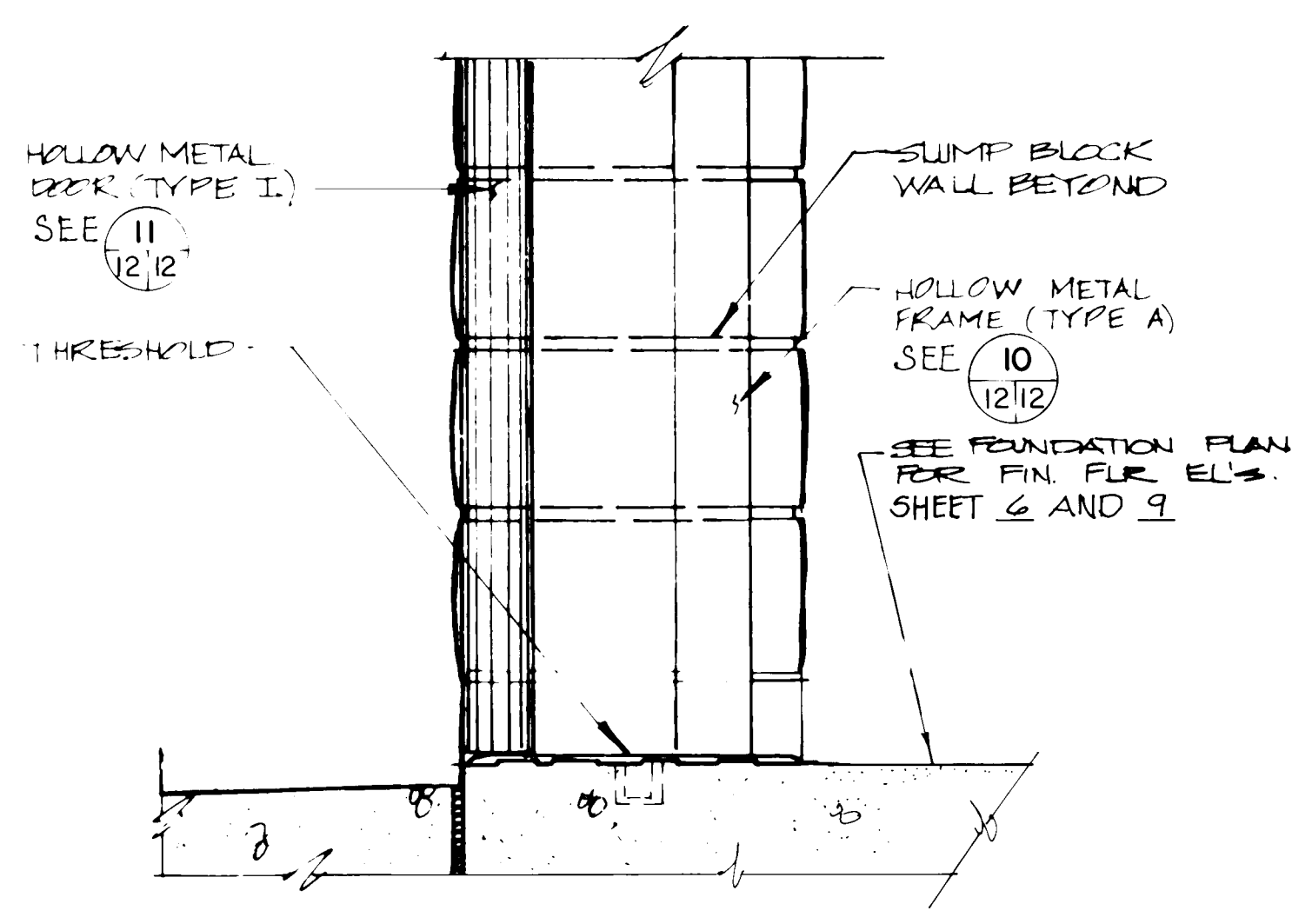
5 DOOR THRESHOLD DETAIL (TYPE II)
SCALE: 3"=1'-0"



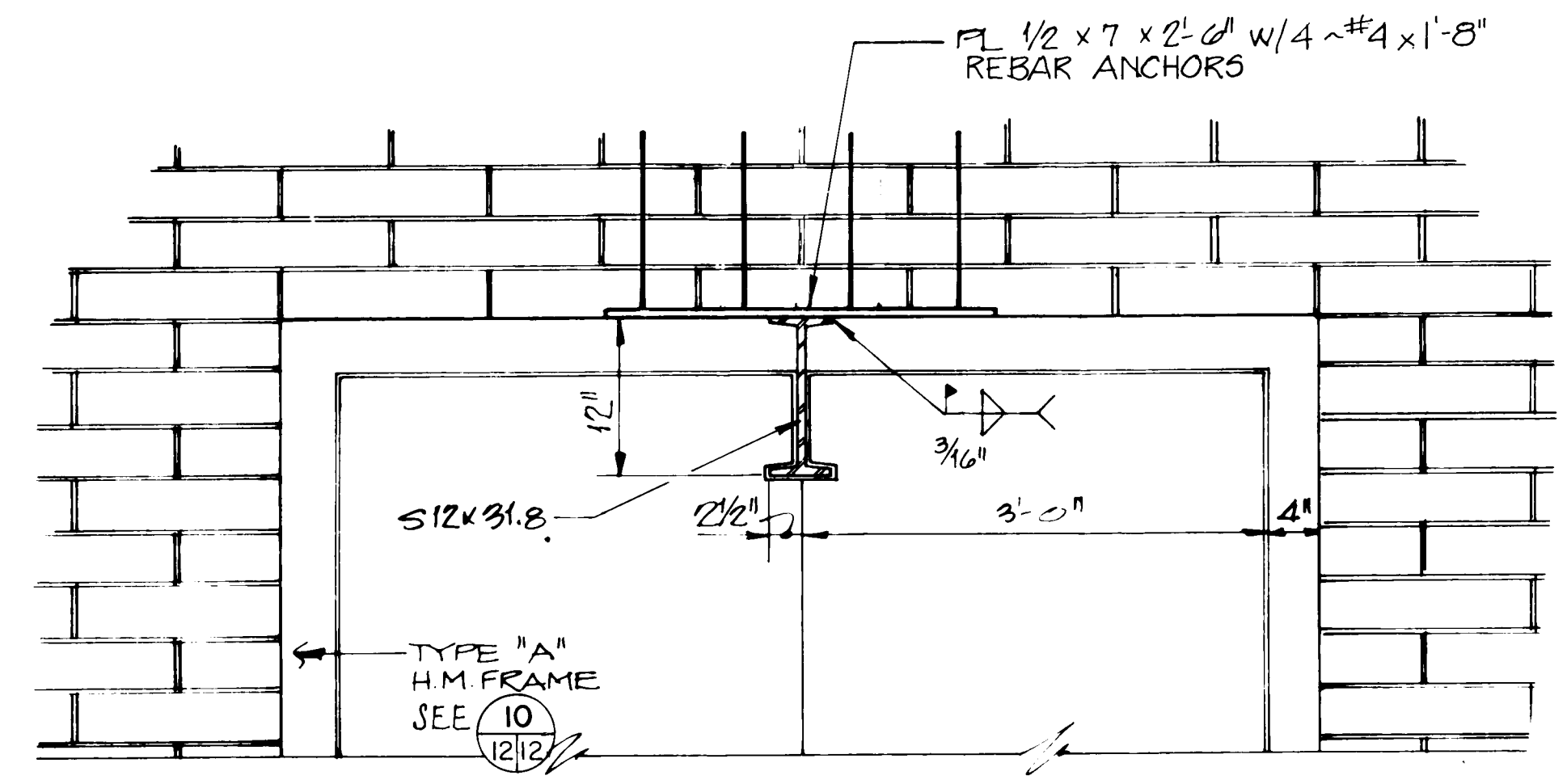
6 DOOR HEAD DETAIL (TYPE I)
SCALE: 3"=1'-0"



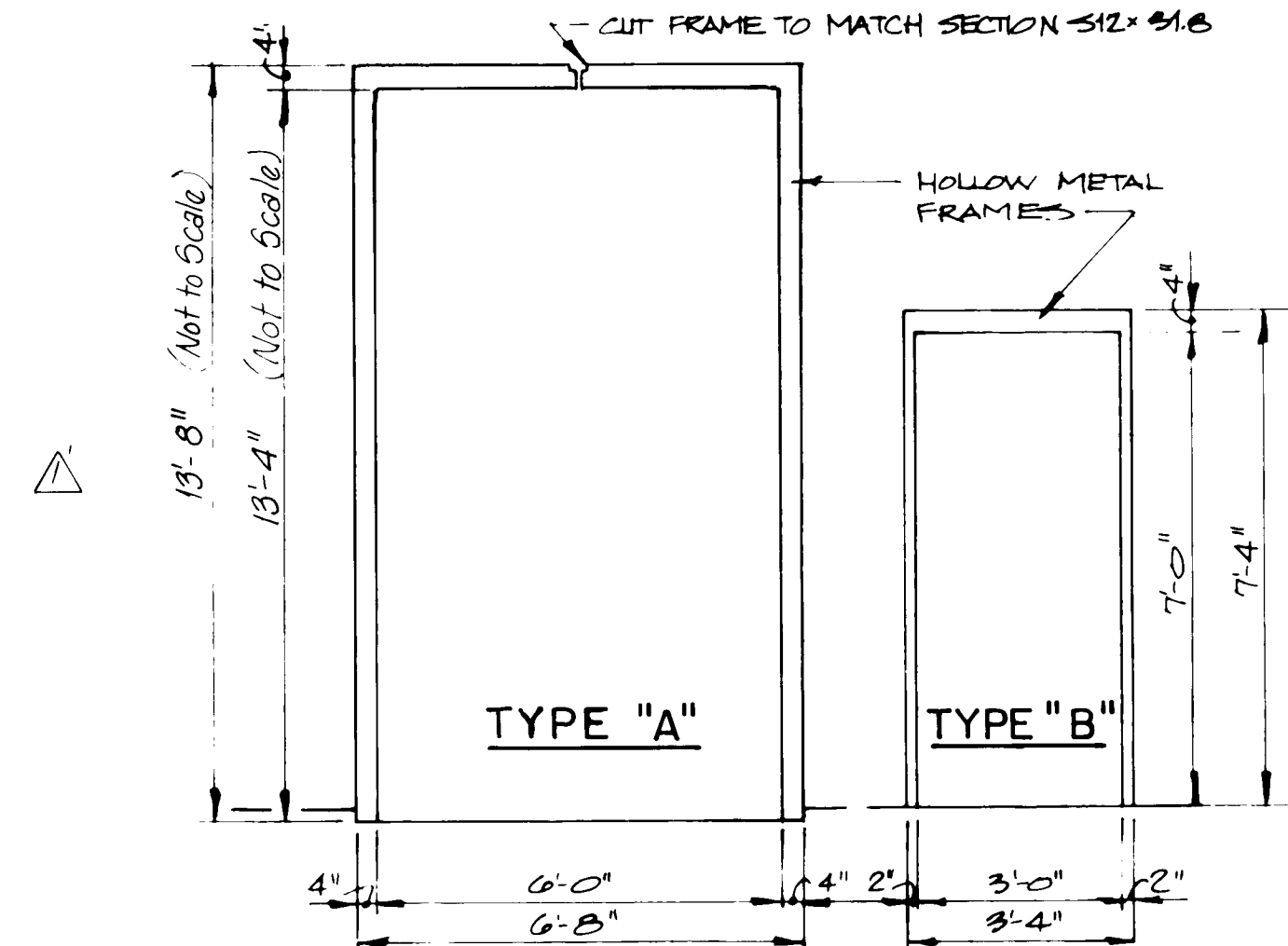
7 DOOR JAMB DETAIL (TYPE I)
SCALE: 3"=1'-0"



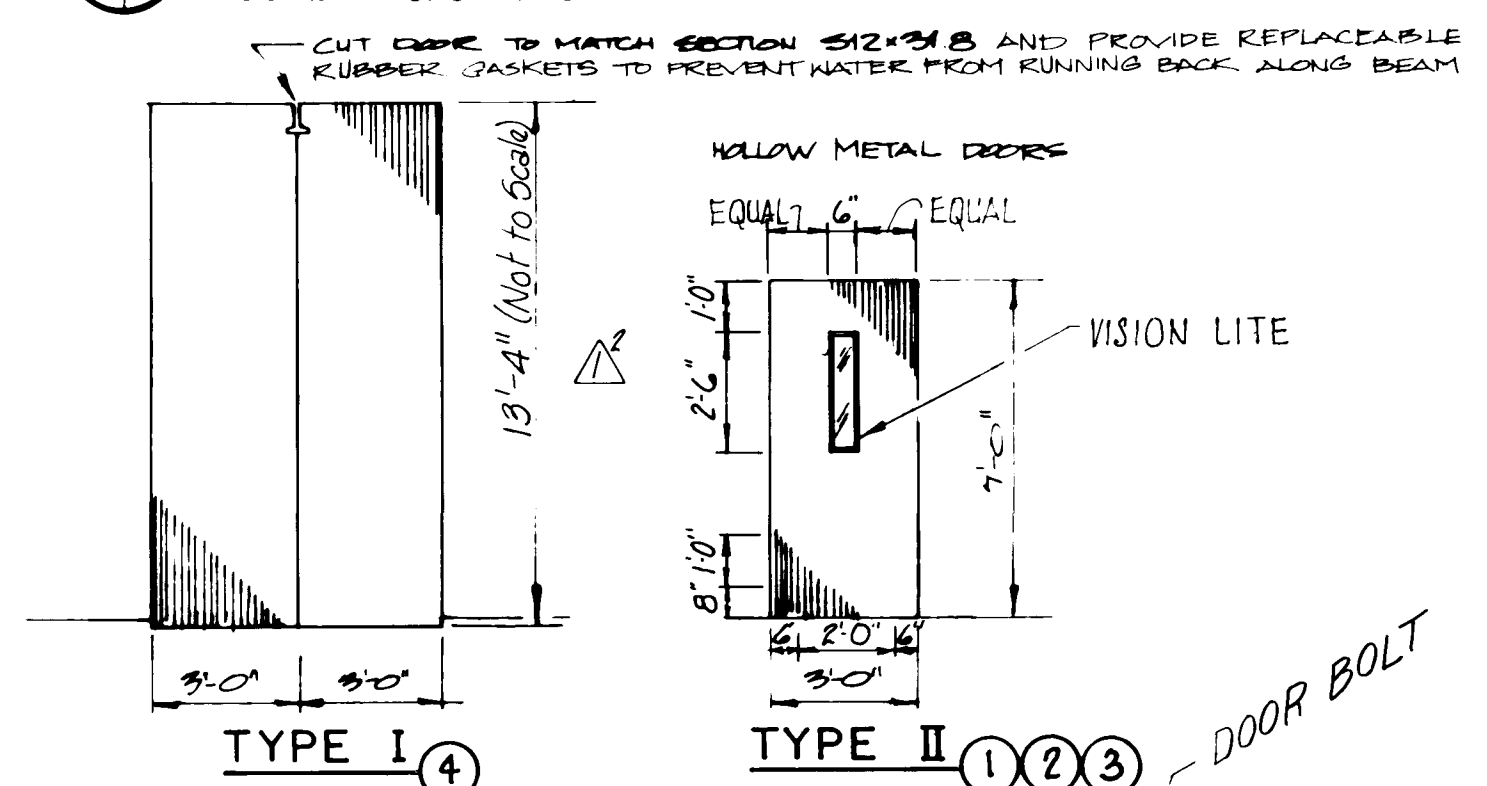
8 DOOR THRESHOLD DETAIL (TYPE I)
SCALE: 3"=1'-0"



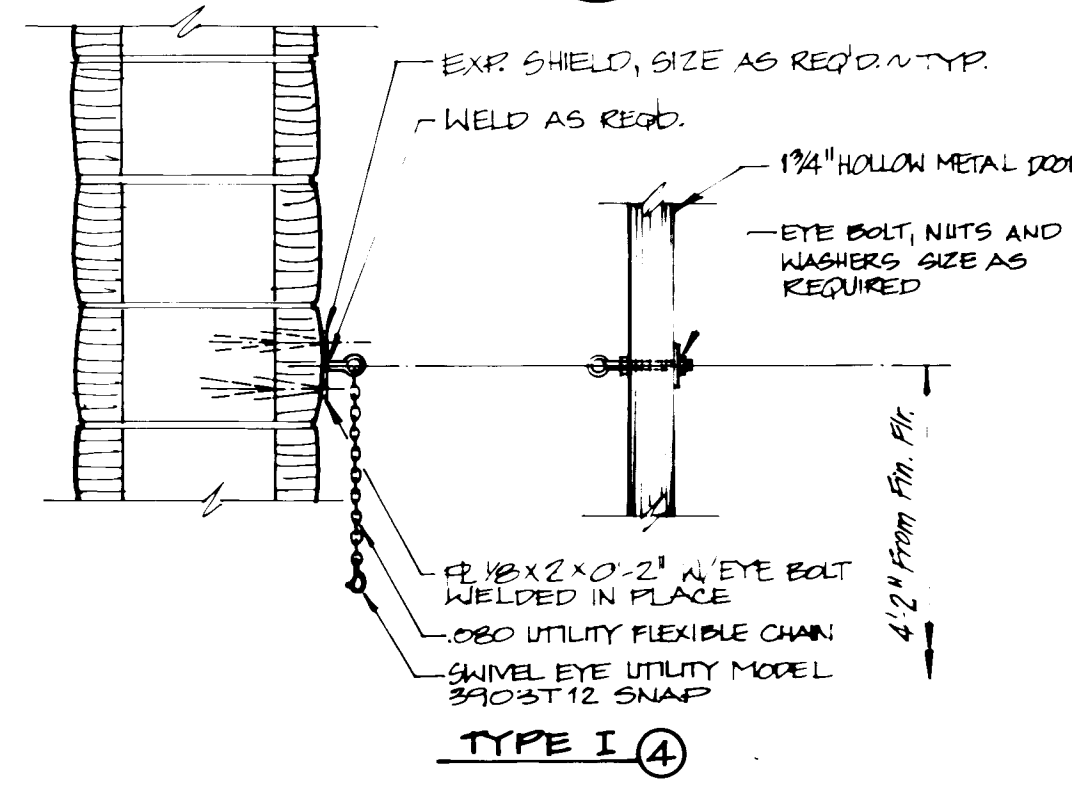
9 DOOR HEAD ELEVATION (TYPE I)
SCALE: 1"=1'-0"



10 DOOR FRAME TYPES
SCALE: 3/8"=1'-0"



11 DOOR TYPES
SCALE: 1/4"=1'-0"



12 DOOR HOLDER DETAILS
NOT TO SCALE

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	FRAME TYPE
1	3'-0" x 7'-0"	II	B
2	3'-0" x 7'-0"	II	B
3	3'-0" x 7'-0"	II	B
4	3'-0" x 13'-4"	I	A

NOTE:
Doors 1 thru 4 are 1 3/4" hollow metal, 180° swing with hollow metal frames. Two each of doors 1, 2, 3 will be required (one each at Duranes and Griegos). Four each of door 4 will be required (2 each at Duranes and Griegos). See Specifications for Schedule of doors Numbered 5 thru 19.

REVISIONS

NO.	DATE	BY	REMARKS
1	JUN 22 1988	S.E.O. & J.C.	DESIGN
2	JUN 1985	M.C.	DRAWN BY
3	JUN 1985	M.C.	CHECKED BY

**CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION**

**TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS - 1985
GRIEGOS AND DURANES FACILITIES**

DOOR DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. 2626 **MAP NO. F-13, H-12** **SHEET 12 OF 23**

AS BUILT INFORMATION

CONTRACTOR	DATE

BENCH MARKS

INSPECTOR'S FIELD	DATE

SURVEY INFORMATION

FIELD NOTES	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	BY	REMARKS
1	JUN 22 1988	S.E.O. & J.C.	DESIGN
2	JUN 1985	M.C.	DRAWN BY
3	JUN 1985	M.C.	CHECKED BY

MICRO-FILM INFORMATION

DATE

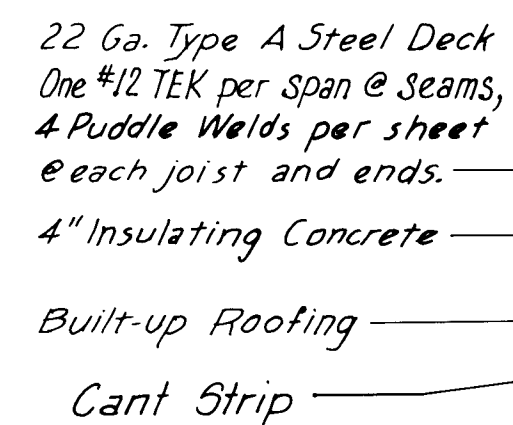


6	13
9	



These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

DRAWING NO.	2626	MAP NO.	F-13-H-12	SHEET	13	OF	23
----------------	------	---------	-----------	-------	----	----	----



Conduit or Pipe Penetration thru roof support as required

22 Ga. G.I. Pitch Pan set in full plastic cement. Fill to brim with non-hardening compound. Packing (to prevent compound dripping) Built-Up Roofing

Restrain Conduit or Pipe to Prevent Side-to-Side Movement

4' 6' 4'

Diagram illustrating a wall section with a 2'-8" x 8" thick wall. The wall is labeled "2'-8" IN 8" THICK WALL". A diamond-shaped sign above the wall indicates a section cut with "X" and "14/14". The wall contains a "CAST IN PLACE RE 1/4 x 4 x 10'-6" W/ 2-#3 ANCHORS". A vertical line indicates a section cut.

Diagram illustrating the assembly of a curb wall and flashing. The components and labels are as follows:

- 2 piece Jalv Counter Flashing Fry Spring Lok System Type MA Set at constant elevation.** (Top flashing assembly)
- Base Flashing** (Bottom flashing assembly)
- Cant Strip** (Vertical strip on the curb wall)
- Built-up Roofing** (Roofing material on the curb wall)
- Top of Insulating Conc. or Cricket** (Horizontal line indicating the top of the curb wall)
- 2" Overlap Min** (Dimension indicating the minimum overlap of the flashing)
- 4" 6" Min** (Dimension indicating the minimum height of the curb wall)
- Base Flashing** (Label for the bottom flashing assembly on the curb wall)

Hand-drawn cross-section diagram of a roof assembly. The diagram shows a pre-cast concrete canal with a built-up roof on top. The roof assembly includes a solid cap, reglet, canal flashing, cast in place flashing reglet, continuous LB 3x3x1/4, built-up roof, insulating concrete, 22 GA. TYPE B DECKING, and joist. The pre-cast concrete canal is cast in place FC 1/4 x 4 x 0.625 W/ 2-#3 ANCHORS. Dimensions include 7 1/2", 2", 2'-0", and 22 (14/14). Labels include SOLID CAP, REGLET, CANALE FLASHING, CAST IN PLACE FLASHING REGLET, CONT. LB 3x3x1/4, BUILT-UP ROOF, INSULATING CONCRETE, 22 GA. TYPE B DECKING, JOIST, PRE-CAST CONCRETE CANAL, CAST IN PLACE FC 1/4 x 4 x 0.625 W/ 2-#3 ANCHORS, and dimensions like 7 1/2", 2", 2'-0", and 22 (14/14).

8" TO FIT WALL THICKNESS

1/2"

1/2"

3/8"

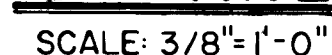
BEND FLASHING INTO REGULET

FABRICATE CANALE FLASHING OF 22 GA. METAL TO FIT PRECAST CANALE

23 TYPICAL ROOF DUCT PENETRATION DETAIL
6 14 NOT TO SCALE
9

26 26261488

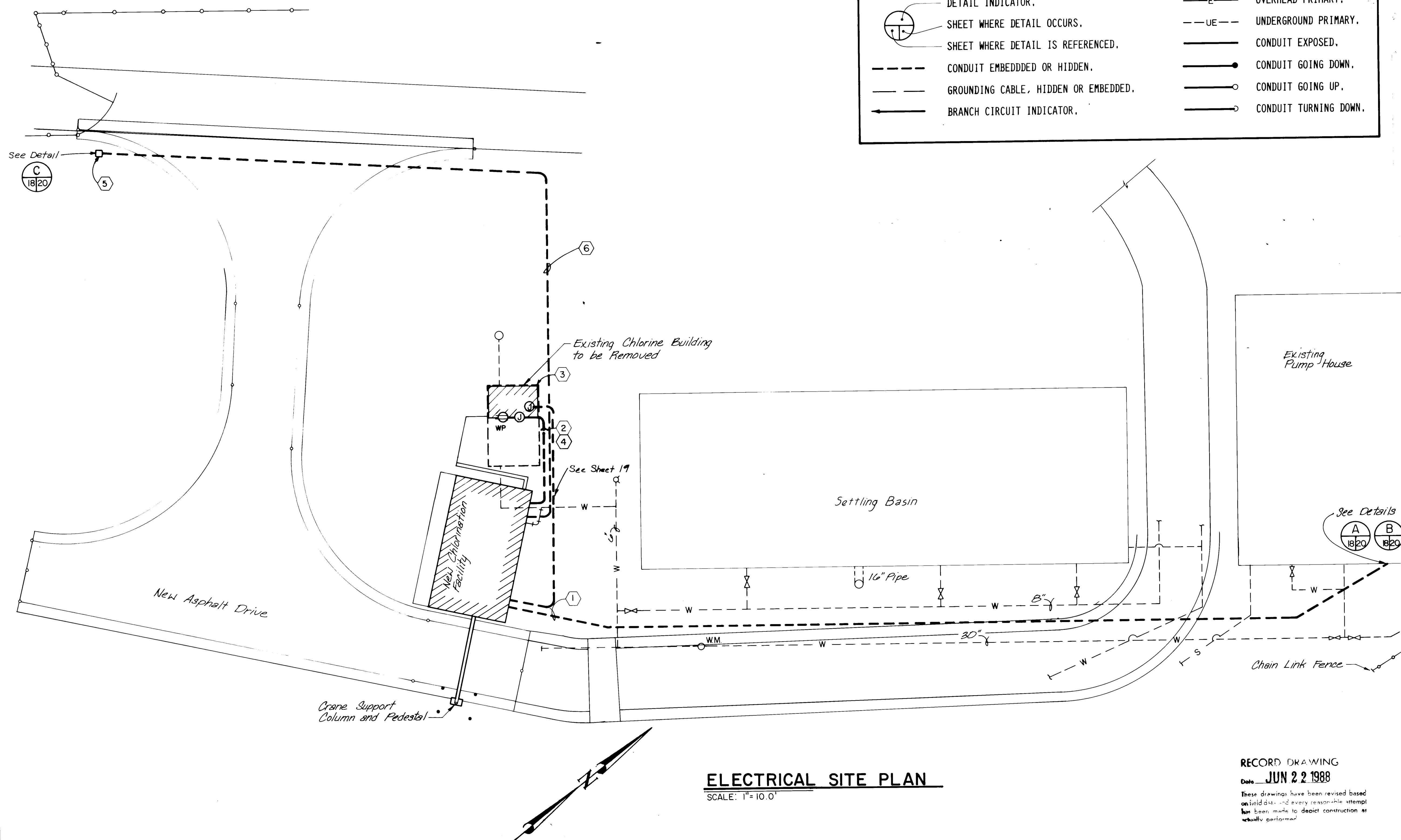
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATION -1985 GRIGIOS AND DURANES FACILITIES ROOF DRAINAGE AND MISCELLANEOUS DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C. E.-Hydrology			Water		
DRAWING NO. 2626			MAP NO. F-13.H-12		
			SHEET 14 OF 23		



26 26261688

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS - 1985 GRIEGOS AND DURANES FACILITIES MECHANICAL PLANS, DETAILS AND SCHEDULE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C. E.-Hydrology			Water		
DRAWING NO. 2626		MAP NO. F-13 H-12	SHEET 16 OF 23		



SYMBOL LEGEND	
	DUPLEX RECEPTACLE MOUNT 48" TO TOP UNLESS OTHERWISE NOTED.
	WALL MOUNT WEATHERPROOF CHLORINE WARNING HORN. MOUNT 7 FT. A.F.F. TO TOP
	WALL MOUNT WEATHERPROOF LIGHT FIXTURE. TYPE AS INDICATED. MOUNT 7 FT. A.F.F. TO TOP, UNLESS NOTED OTHERWISE.
	THERMOSTAT(S). MOUNT 60" A.F.F. TO TOP.
	DISCONNECTING SWITCH WITH THERMAL OVERLOAD PROTECTION.
	SINGLE POLE SWITCH. MOUNT 54" TO CENTER ABOVE FINISHED FLOOR.
	THREE-WAY SWITCH. MOUNT 54" TO CENTER ABOVE FINISHED FLOOR.
	SINGLE POLE SWITCH FOR EXHAUST FAN. MOUNT 54" TO CENTER A.F.F.
WP	WEATHERPROOF.
	TRANSFORMER.
	DETAIL INDICATOR.
	SHEET WHERE DETAIL OCCURS.
	SHEET WHERE DETAIL IS REFERENCED.
	CONDUIT EMBEDDED OR HIDDEN.
	GROUNDING CABLE, HIDDEN OR EMBEDDED.
	BRANCH CIRCUIT INDICATOR.
	C CONDUIT.
	① JUNCTION BOX.
	—E— OVERHEAD PRIMARY.
	—UE— UNDERGROUND PRIMARY.
	— CONDUIT EXPOSED.
	—●— CONDUIT GOING DOWN.
	—○— CONDUIT GOING UP.
	—◡— CONDUIT TURNING DOWN.

- # KEYED NOTES
- ① 1 - 2" C WITH 4 #2 AND 1 #8 GND AND 1 - 1-1/2" C WITH 1-7 CONDUCTOR #12 STRANDED CONTROL CABLE AND 1-3 PAIR INDIVIDUALLY SHIELDED #18 GAGE COMPUTER CABLE. SEE SHEETS 19 AND 20.
 - ② 1-3/4" C WITH 2 #12 AND 1 #12 GND FOR WEATHERPROOF GFI DUPLEX RECEPTACLE AT METER PIT AND 1 - 3/4" C WITH 6 #14 AND 1 #14 GND FOR CONTROL SIGNALS FROM FLOW METER TO FLUORIDE PUMP AND CHLORINATOR. SEE NOTE 3.
 - ③ ALL EXISTING ELECTRICAL EQUIPMENT, EXCLUDING THE FLOW METER IN THIS BUILDING SHALL BE REMOVED AND STORED AS DIRECTED BY THE CITY. DE-ENERGIZE AND DISCONNECT ELECTRICAL POWER CONDUCTORS FROM THEIR POINT OF SOURCE IN THE PUMP STATION. PROPERLY TAG FLOW METER, CONDUCTORS SO THEY CAN BE RECONNECTED. SEE NOTE 2.
 - ④ UTILIZE LIQUID-TIGHT FLEX BETWEEN WEATHERPROOF JUNCTION BOX AND FLOW METER. PROVIDE CONTROL WIRES AS REQUIRED.
 - ⑤ 120V, 400W, HPS YARD LIGHT ON 20', 4" SQUARE STEEL POLE. "GARDCO #H191Q."
 - ⑥ 1" C, 2 #12 AND 1 #12 GND.

- ## GENERAL NOTES
1. ALL CONDUCTORS SHALL BE COPPER.
 2. ALL CONDUITS WHICH ENTER OR EXIT THE NEW CHLORINATION FACILITY SHALL HAVE SEAL FITTINGS TO PREVENT THE PASSAGE OF CHLORINE GAS-VAPOR.

ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		DATE		CONTRACTOR		DATE	
						WORK		DATE	
						INSPECTED BY		DATE	
						ACCEPTANCE BY		DATE	
						FIELD VERIFICATION BY		DATE	
						DRAWINGS		DATE	
						CORRECTED BY		DATE	
						MICRO-FILM INFORMATION		DATE	
						RECORDED BY		DATE	
						NO.			

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		DATE		CONTRACTOR	
						WORK	
						INSPECTED BY	
						ACCEPTANCE BY	
						FIELD VERIFICATION BY	
						DRAWINGS	
						CORRECTED BY	
						MICRO-FILM INFORMATION	
						RECORDED BY	
						NO.	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		DATE		CONTRACTOR	
						WORK	
						INSPECTED BY	
						ACCEPTANCE BY	
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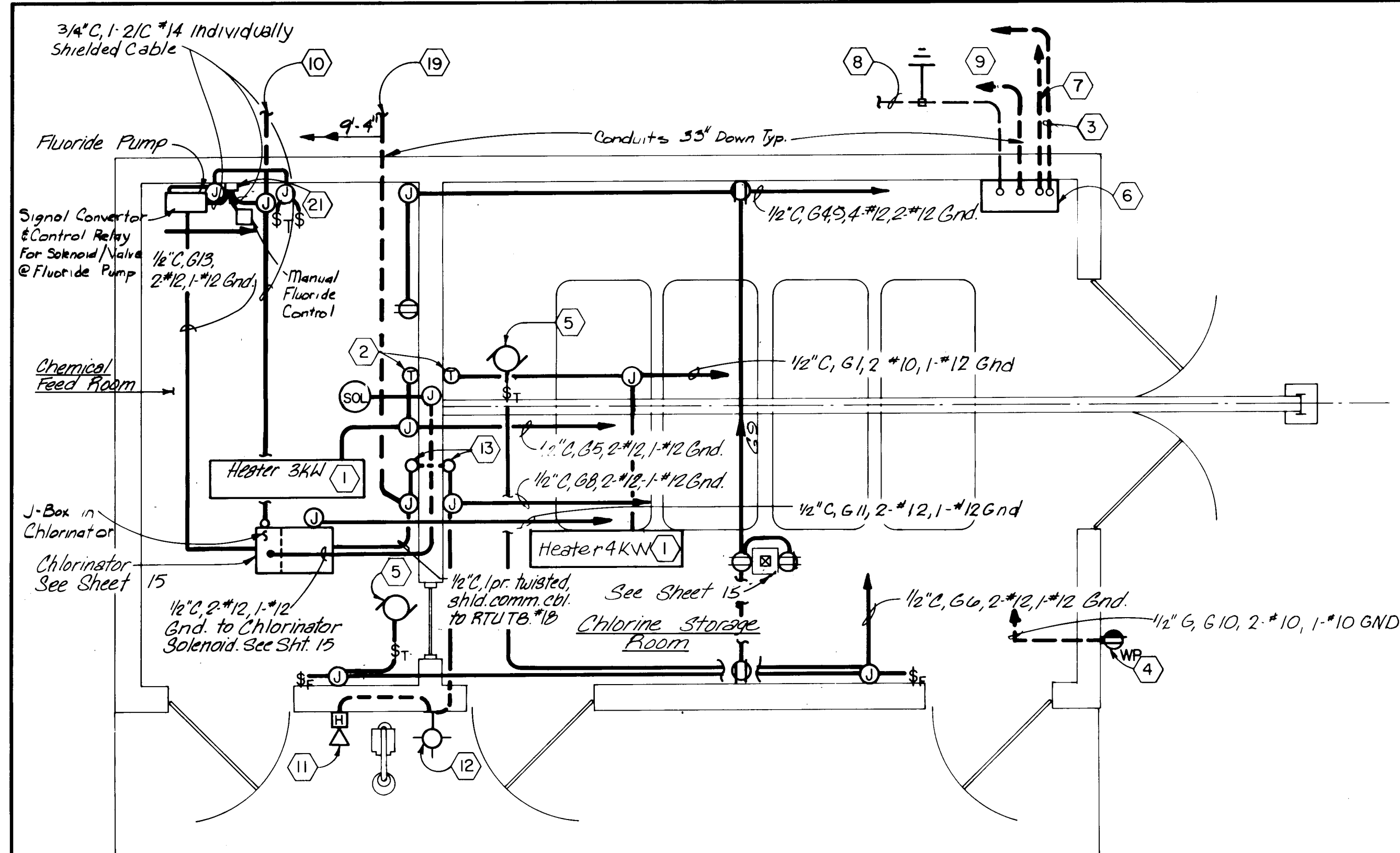
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						ACCEPTANCE BY	
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						CORRECTED BY	
						MICRO-FILM INFORMATION	
						RECORDED BY	
						NO.	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		DATE		CONTRACTOR	
						WORK	
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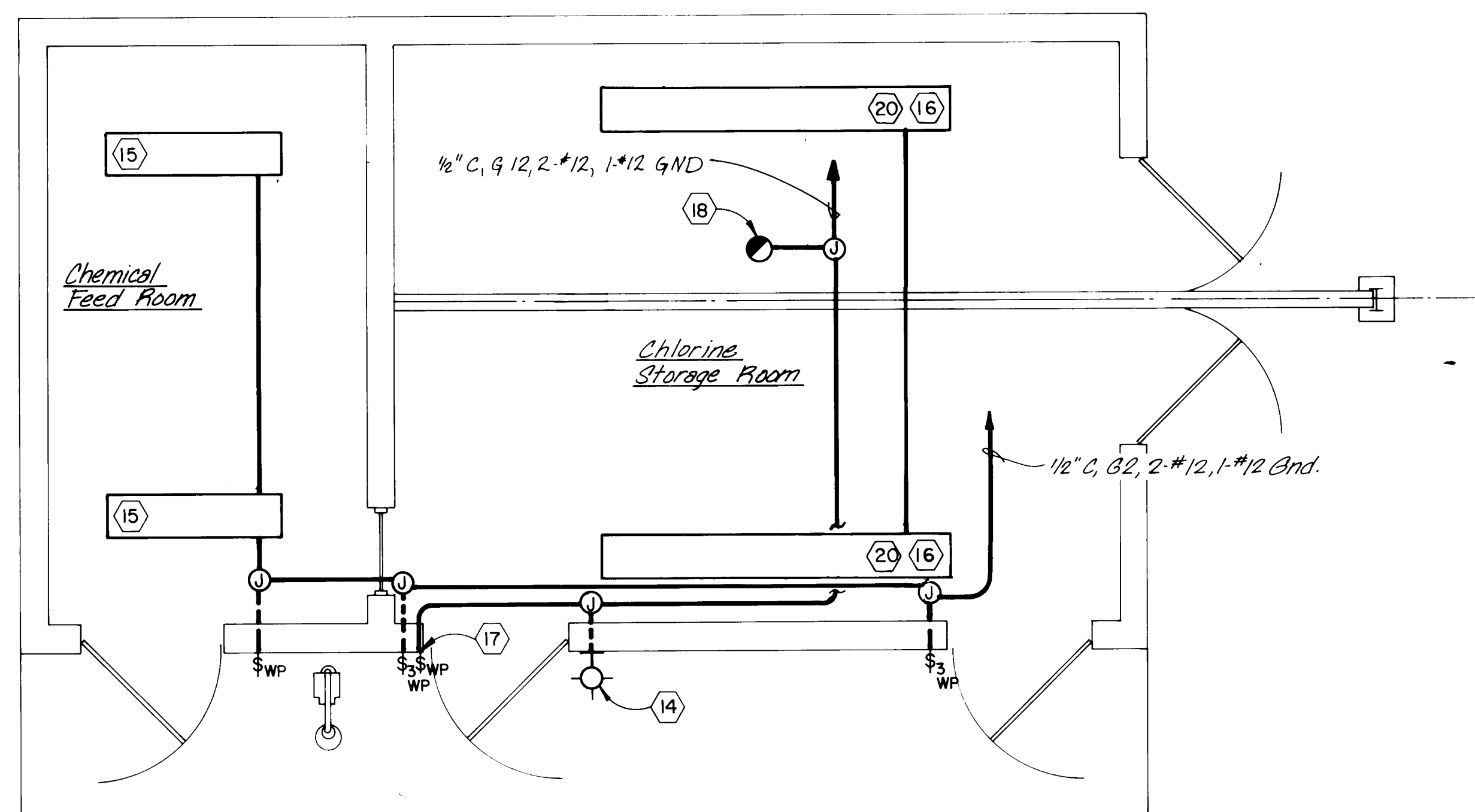
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		DATE		CONTRACTOR	
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						FIELD VERIFICATION BY	
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ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		DATE		CONTRACTOR	
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ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		DATE		CONTRACTOR	
						WORK	
						INSPECTED BY	
						ACCEPTANCE BY	
						FIELD VERIFICATION BY	
						DRAWINGS	



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



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

KEYED NOTES

- ① 208V, SINGLE PHASE INFRARED RADIANT HEATER. SEE SHEET 16. MOUNT BOTTOM OF HEATER FLUSH WITH BOTTOM OF CEILING JOIST IN THE CHLORINE STORAGE ROOM AND FLUSH WITH BOTTOM OF DUCTWORK IN THE CHEMICAL FEED ROOM. SUPPORT FROM STRUCTURE WITH CONDUIT AS RECOMMENDED BY THE MANUFACTURER. PROVIDE LIQUID-TIGHT FLEX FOR FINAL ELECTRICAL CONNECTION.
- ② SINGLE POINT, LINE VOLTAGE THERMOSTAT. REFER TO SPECIFICATIONS FOR TEMPERATURE SETTINGS. VOLTAGE AND AMPERE RATINGS AS REQUIRED FOR THE EQUIPMENT THEY SERVE. COORDINATE LOCATION WITH DUCTWORK. SEE SHEET 16.
- ③ 3/4" C, 2 #12 AND 1 #12 GND TO YARD LIGHT.
- ④ 30A, 125V, TWIST-LOCK RECEPTACLE, "HUBBELL "2610." MOUNT 18" TO BOTTOM ABOVE FINISH GRADE.
- ⑤ ROOF MOUNTED EXHAUST FAN 1/12 HP, 120V, SINGLE PHASE.
- ⑥ POWER PANEL "G", SURFACE MOUNT 6' A.F.F. TO TOP OF PANEL. SEE SHEET 20.
- ⑦ 2" C, WITH 4 #2 AND 1 #8 GND TO EXISTING PUMP STATION. SEE SHEET 20.
- ⑧ 3/4" C, WITH #2/0 BARE COPPER FOR SERVICE GROUND, PLACE #2/0 CU (25' MINIMUM) 2' FROM BUILDING FOUNDATION AND 2' BELOW GRADE. DRIVE 2 - 3/4" X 10' GROUND RODS (10' APART MINIMUM) WITH TOP OF ROD 2' BELOW GRADE AND THERMOWELDED TO #2/0 CU.
- ⑨ 1" C, WITH 2 #12 AND 1 #12 GND FOR WEATHERPROOF GFI DUPLEX RECEPTACLE AT METER PIT. SEE SHEET 18.
- ⑩ 3/4" C WITH 6 #14 AND 1 #14 GND TO FLOW METER. RECONNECT EQUIPMENT. SEE SHEET 18.
- ⑪ WEATHERPROOF WARNING HORN. HORN SHALL BE HEAVY-DUTY TYPE, 120V WITH 90 DB (MINIMUM) AT 10'. HORN AND MOUNTING OF SAME SHALL BE VANDALPROOF. ADAPTA-HORN #876-NS OR EQUAL.
- ⑫ WEATHERPROOF LIGHT FIXTURE. LAMP SHALL BE 100W INCANDESCENT WITH AN INTERIOR RED COATING. FIXTURE SHALL BE 120V, WITH SHATTERPROOF LENS AND GUARD. APPLETON OBYW10G OR EQUAL. FIXTURE AND MOUNTING OF SAME SHALL BE VANDALPROOF.
- ⑬ CHLORINE LEAK DETECTORS SHALL BE WIRED IN PARALLEL. EITHER DETECTOR WILL ENERGIZE WARNING LIGHT AND/OR HORN.
- ⑭ 35W, 120V, HPS, OUTDOOR AND INDESTRUCTIBLE, "KENALL SERIES 5100." FIXTURE AND MOUNTING OF SAME SHALL BE VANDALPROOF. MOUNT 10 FT. ABOVE FINISH FLOOR TO TOP. SEE NOTES 17 AND 18.

RECORD DRAWING

Date: JUN 22 1988

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

- ⑮ INDUSTRIAL FLUORESCENT FIXTURE 120V WITH APERTURED REFLECTOR AND WIRE GUARDS. RAPID START, 2-F40 (COOL WHITE 4") LAMPS, LITHONIA #LA240 OR EQUAL. MOUNT BOTTOM OF FIXTURE FLUSH WITH BOTTOM OF DUCTWORK. PROVIDE LIQUID-TIGHT FLEX FOR FINAL ELECTRICAL CONNECTION.
- ⑯ INDUSTRIAL FLUORESCENT FIXTURE 120V WITH APERTURED REFLECTOR AND WIRE GUARDS. RAPID START, 2-F96 (COOL WHITE 8") LAMPS, LITHONIA #LA296 OR EQUAL. CEILING MOUNT.
- ⑰ SINGLE POLE SWITCH FOR MANUAL OPERATION OF OUTSIDE LIGHT. SEE NOTE 18.
- ⑱ ROOF MOUNTED, 1200W, 120V PHOTOCELL, FACE SENSOR WINDOW NORTH. PHOTOCELL SHALL OPERATE IN PARALLEL WITH THE SWITCH OF NOTE 17 TO ENERGIZE OUTSIDE LIGHT.
- ⑲ 1 - 1-1/2" C WITH 1-7 CONDUCTOR #12 STRANDED CONTROL CABLE AND 1-3 PAIR INDIVIDUALLY SHIELDED #18 GAGE COMPUTER CABLE FOR FUTURE AUTO-8 CONNECTIONS. PROVIDE A 12" X 12" X 6" NEMA 4X JUNCTION BOX WITH COVER AS INDICATED ON THE DRAWINGS. EXTEND WIRE AND CONDUIT TO EXISTING PUMP STATION. SEE SHEET 20.
- ⑳ OPERATED BY THREE-WAY SWITCHES.
- ㉑ PULSE TO 4-20MA SIGNAL CONVERTER IN A NEMA 4X ENCLOSURE. REFER TO SPECIFICATION SECTION 602.23, AND 601.03.

GENERAL NOTES

1. ELECTRICAL MATERIALS IN THE CHLORINE STORAGE ROOM AND CHEMICAL FEED ROOM SHALL BE CORROSION RESISTANT. ENCLOSURES, JUNCTION AND DEVICE BOXES SHALL BE NEMA 4X. CONDUITS AND FITTINGS SHALL BE CORROSION-RESISTANT OR PROTECTED BY CORROSION-RESISTANT MATERIALS. ALL CONDUITS WHICH ENTER OR EXIT THIS ROOM SHALL HAVE SEAL FITTINGS TO PREVENT THE PASSAGE OF CHLORINE GAS/VAPOR.
2. EXACT LOCATION AND HEIGHT OF ELECTRICAL MATERIALS MAY VARY AFTER COORDINATING WITH OTHER TRADES.
3. ALL CONDUCTORS SHALL BE COPPER.
4. LIGHTS AND DEVICES ON EXTERIOR WALLS SHALL BE MOUNTED ON FLUSH MOUNTED BOXES.
5. BOXES ON EXTERIOR WALLS SHALL BE FLUSH MOUNTED AT THE NEAREST BED JOINT TO THE MOUNTING HEIGHT INDICATED.

26 26261988

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS-1985
GRIEGOS FACILITY

POWER AND LIGHTING PLAN

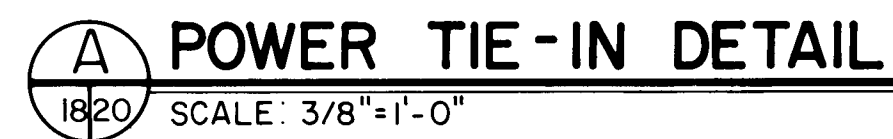
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C. E-Hydrology			Water		

DRAWING NO. 2626 MAP NO. SHEET 19 OF 23

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STAKED BY	DATE	NO.	BY	NO.	BY
		INSPECTOR'S	DATE				
		FIELD	DATE				
		ADJUSTMENT	DATE				
		CORRECTED BY	DATE				
		RECORDED BY	DATE				



REVISIONS	NO.	DATE	BY
DESIGN			
DATE June 1985			
DATE June 1985			
DATE June 1985			



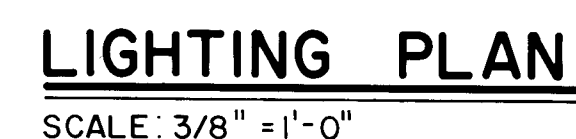
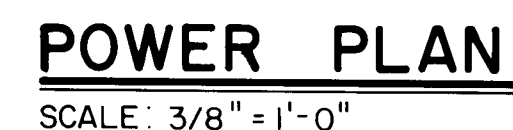
PANEL SCHEDULE

NO SCALE



DRAWING NO.	2626	MAP NO.	SHEET 20 OF 23
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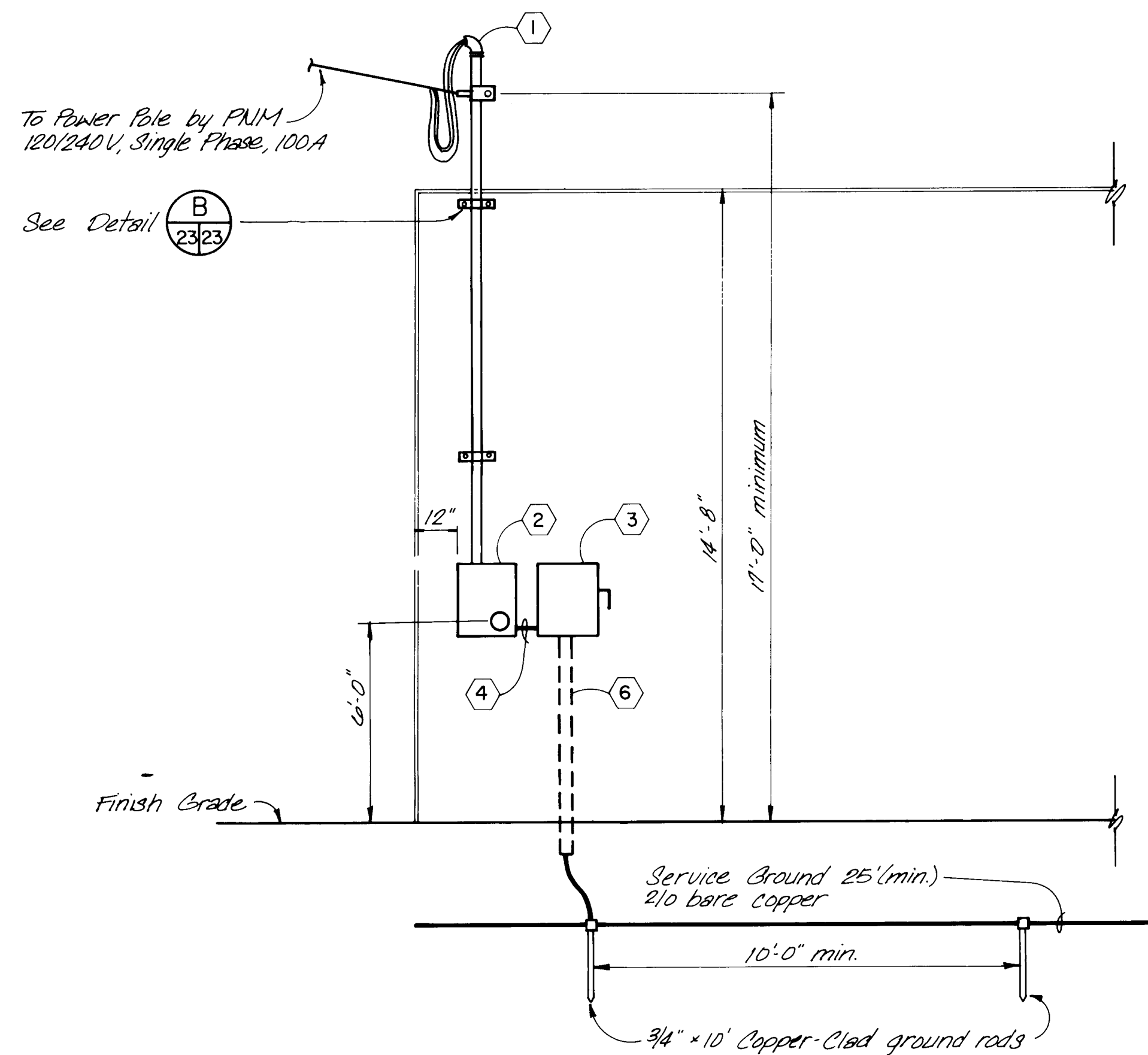
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



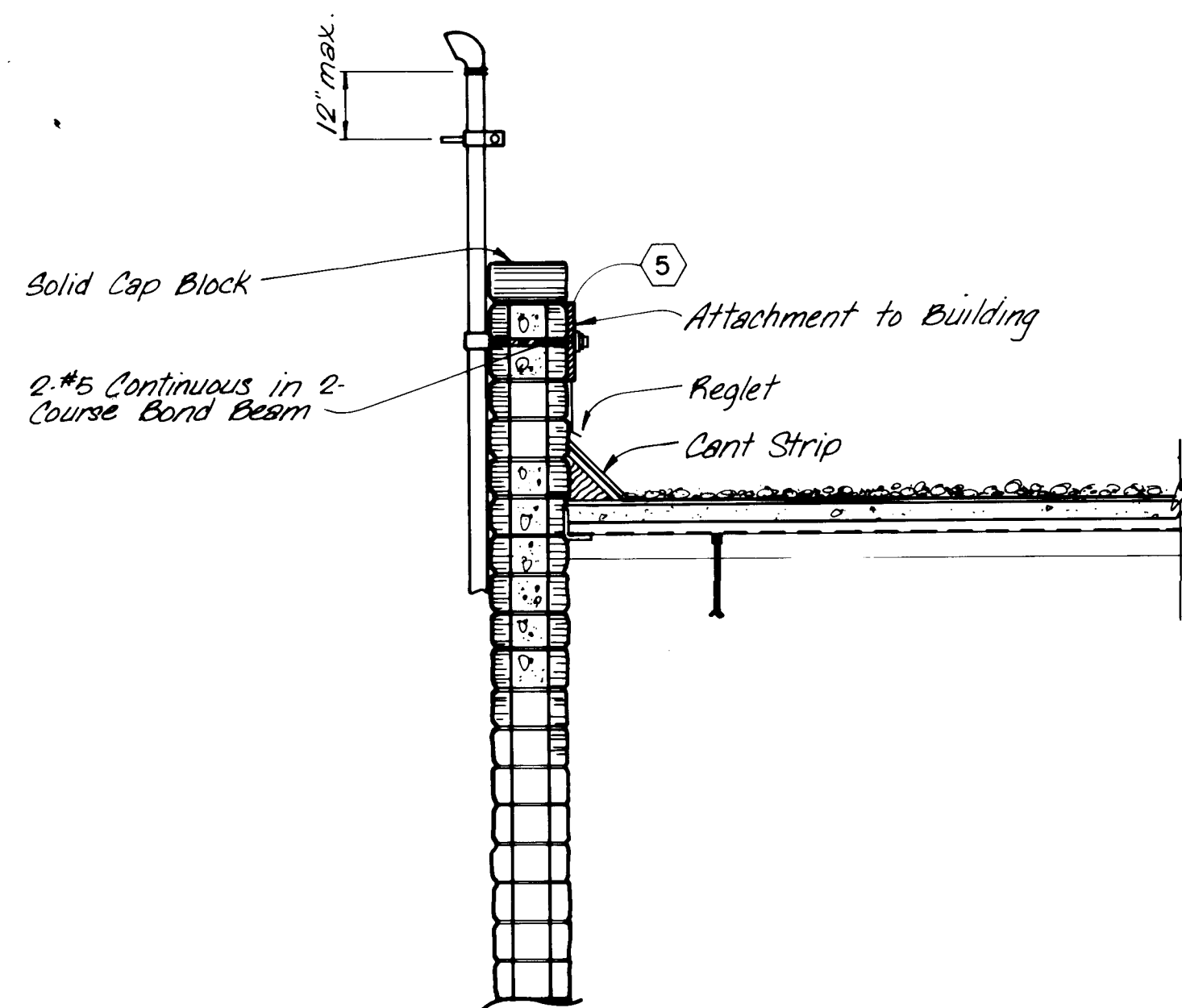
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|-----|------|--|----|----|
| NO. | 2929 | | 22 | 29 |
|-----|------|--|----|----|

SURVEY INFORMATION		BENCH MARKS <i>See Sheet 5.8 for bench mark data.</i>	AS BUILT INFORMATION	
NO.	FIELD NOTES BY DATE		CONTRACTOR	
			WORK STARTED BY	DATE
			INSPECTOR'S ACCEPTANCE BY	DATE
			VERIFICATION BY	DATE
			DRAWINGS CHECKED BY	DATE
			MICRO — FILM INFORMATION	
			RECORDED BY	DATE
			NO.	

[illegible]



A PRIMARY SERVICE DETAIL
SCALE: 3/8"=1'-0"



B MASK SUPPORT DETAIL
SCALE: 3/8"=1'-0"

PANEL "D"		DESCRIPTION: 120/240V, SINGLE PHASE, S/N, 3 WIRE, 100A RATING WITH 70A MAIN AND 18 CIRCUITS LOCATE IN NEW CHLORINATION BLDG. & FEED FROM DISC. OUTSIDE.									
CIRCUIT LOCATION		KVA		BR	CT	Ø	CT	BR	KVA		CIRCUIT LOCATION
A	B	A	B	TR	NO		NO	TR	A	B	
HEATER	4KW	2		30A	1	A	2	15A	.5		INTERIOR LIGHTS
			2	2P	3	B	4			1	INTERIOR RECEPTACLES
HEATER	3KW	1.5		20A	5	A	6		.3		EXHAUSTERS
			1.5	2P	7	B	8			1	CHLORINE LEAK DETECTORS
CHLORINE TANK HEATERS		.5		15A	9	A	10	30A	2.4		CHLORINE SUCTION OUTLET
CHLORINATOR			.5		11	B	12	15A		.2	EXTERIOR LIGHTS
FLUORIDE PUMP		.5			13	A	14				SPARE
GFI RECP AT METER PIT			.5		15	B	16				SPARE
SPARE					17	A	18				SPARE
CONNECTED LOAD (KVA): ØA= ØB= DEMAND= AMPS X %= AMPS											

PANEL SCHEDULE
NO SCALE

KEYED NOTES

- 2" RIGID STEEL CONDUIT AND WEATHER HEAD, ALSO PROVIDE INSULATOR FOR ATTACHMENT OF SERVICE ENTRANCE CABLES.
- 100A, 3 WIRE OVERHEAD, METER SOCKET PER PNM STANDARDS.
- 100A, SINGLE PHASE, 3W, 120/240V, NEMA 3R, FUSIBLE DISCONNECT SWITCH WITH 2 - 70A TIME DELAY FUSES, COORDINATE WITH PNM.
- 1-1/2" RIGID STEEL CONDUIT WITH 3 #2 AND 1 #8 GND, ALSO EXTEND WIRES 3' BEYOND WEATHERHEAD.
- SUPPORT RISER TO WALL VIA 2 - 3/8" BOLTS THROUGH CENTER OF BOND BEAM, PROVIDE STEEL BACKING PLATE OF SIZE TO DISTRIBUTE SERVICE CABLE TENSION OVER TWO BLOCKS.
- RUN SERVICE GROUND AND CONDUIT ON INTERIOR OF WALL.

GENERAL NOTES

- ALL CONDUCTORS SHALL BE COPPER.
- ALL CONDUITS WHICH ENTER OR EXIT THE NEW CHLORINATION FACILITY SHALL HAVE SEAL FITTINGS TO PREVENT THE PASSAGE OF CHLORINE GAS/VAPOR.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE		DATE		DATE		DATE		DATE	
CONTRACTOR	DATE	WORK	DATE	NO.	BY	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
See Sheet 5.0 for bench mark data.																					

RECORD DRAWING

Date JUN 22 1988

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction actually performed.

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION			
TITLE: CHLORINATION FACILITIES UPGRADE AND MODIFICATIONS-1985			
DURANES FACILITY DETAILS AND PANEL SCHEDULES			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
A.C.E. Design			Traffic
A.C. E-Hydrology			Water
DRAWING NO.	2626	MAP NO.	SHEET 23 OF 23