

GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 WELL EQUIPMENT AND TRANSMISSION LINES

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APPROVAL OF RECORD DRAWINGS

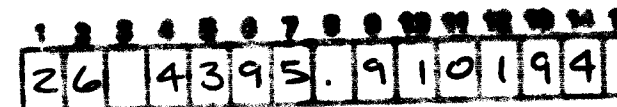
Project Engineer [Signature]

Date: FEB 11 1994

RECORD DRAWING

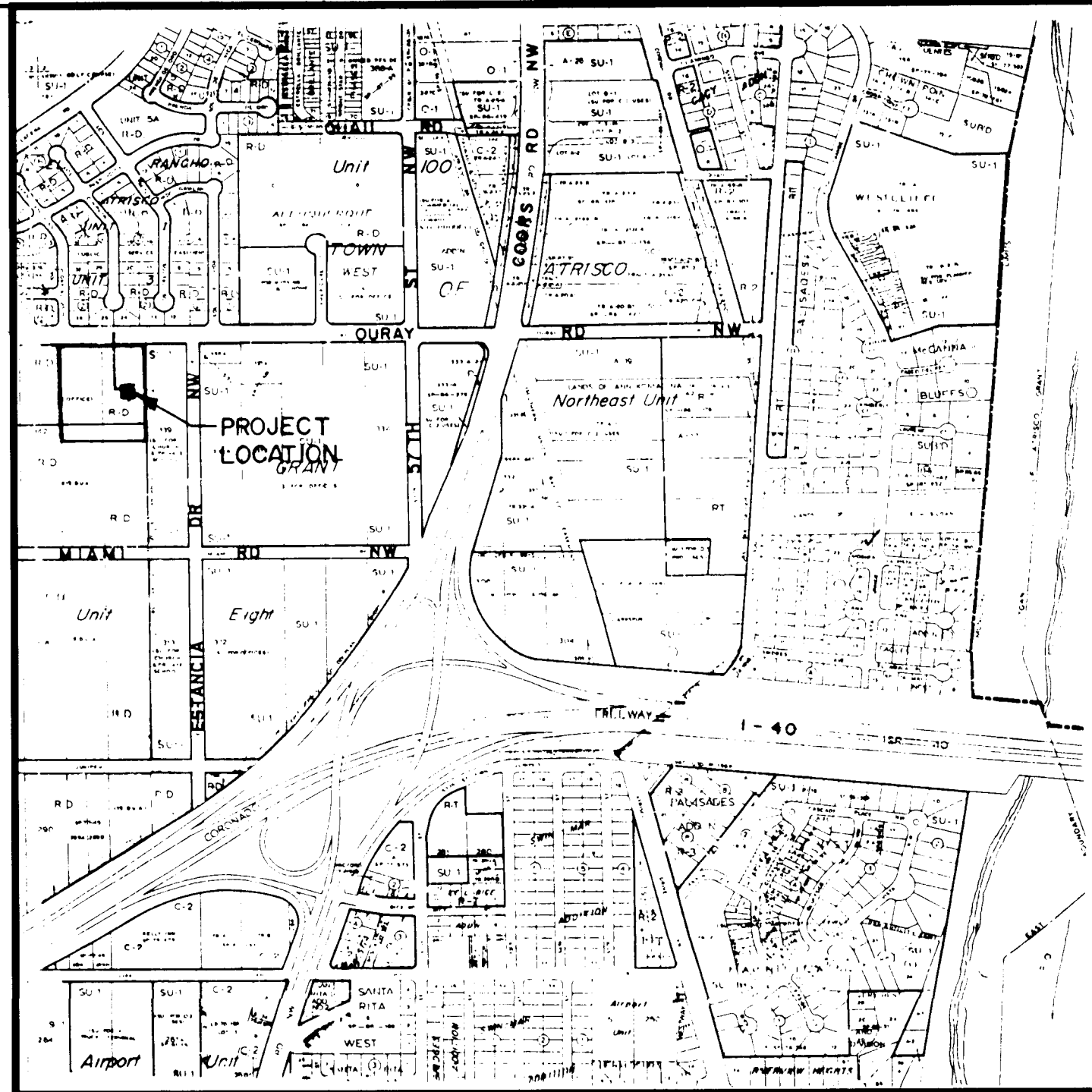
Date: JUN 23 1993

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



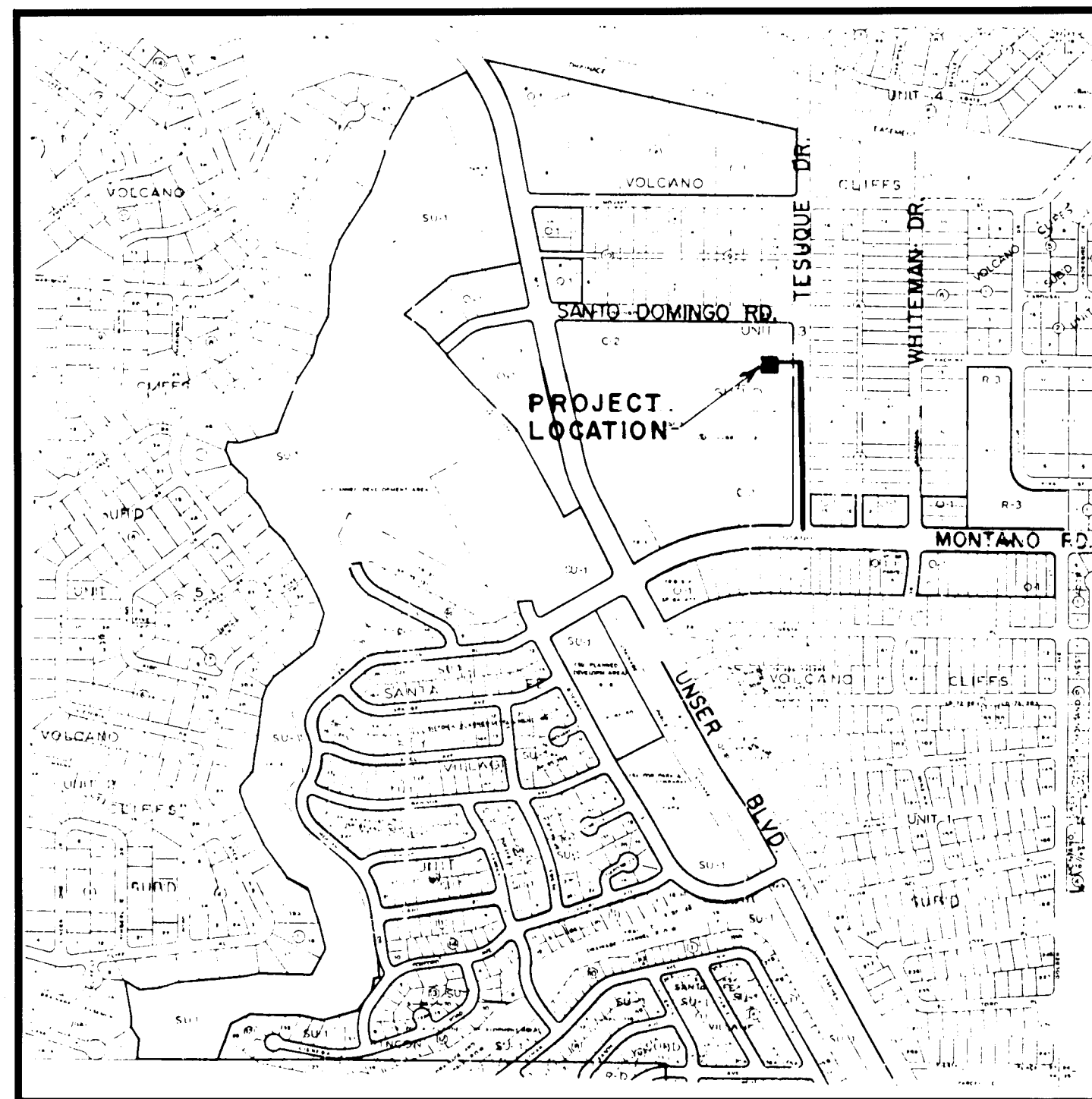
CODE DESIGN DATA

Occupancy Group	<u>B4</u>
Type of Construction	<u>II-N</u>
Area of Each Floor	<u>830 SF</u>
Occupant Load	<u>0</u>
Seismic Zone	<u>2B</u>
Soil Bearing Capacity	<u>1,500 psf</u>
Concrete Strength	<u>4,000 psi</u>
Stress Values:	
Lumber	<u>NA</u> Steel <u>36 ksi</u>
Wind Design Load	<u>75 mph</u>
Roof Design Load	<u>DL-15psf LL-20psf</u>
Floor Design Load	<u>LL-100psf/950# CONC.</u>
Corridor Design Load	<u>NA</u>
Alb. Bldg. Code	301(d)



GONZALES PRIMARY WELL NO. 1 LOCATION MAP

SCALE: 1"=800'
(ZONE ATLAS MAP NO. H-11)



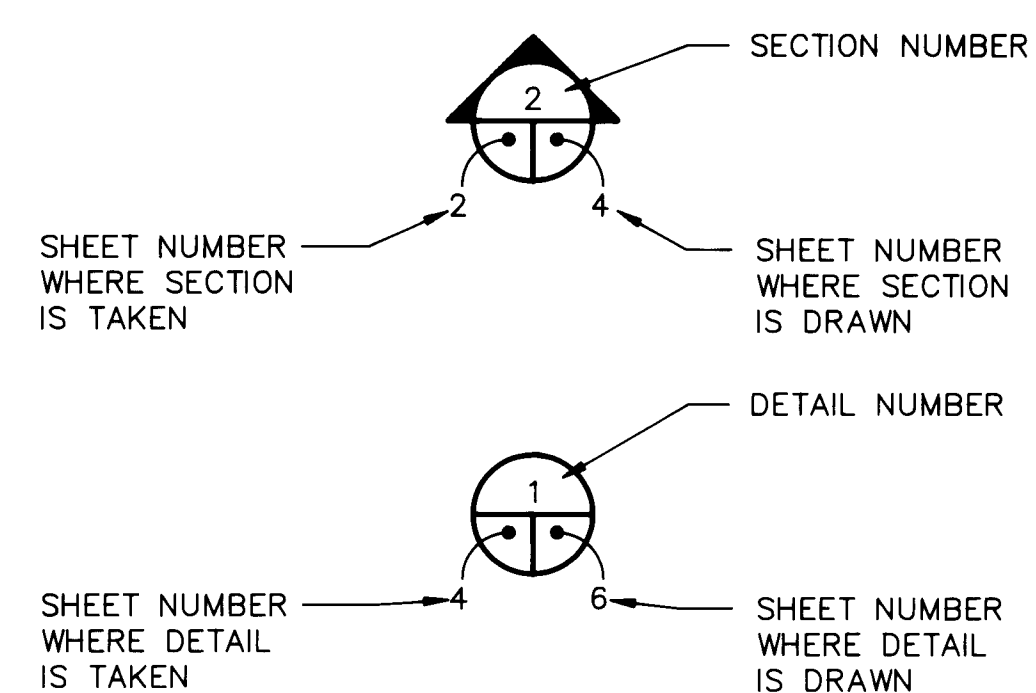
ZAMORA WELL NO. 1 LOCATION MAP

SCALE: 1"=800'
(ZONE ATLAS MAP NO. E-10)

RECORD DRAWING	3 B 4	2-25-93	C. Montoya	HYD	2-25-93				
E11, E12 & E13	2-25-93								
28A & 28B	10-6-92	R.W. Kane	10-6-92			N/A			
REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE		
APPROVAL OF REVISIONS									
						APPROVED FOR CONSTRUCTION			
LEEDSHILL-HERKENHOFF, INC. Copper Square, 500 Copper Ave. N.W. P.O. Box 1217 Albuquerque, New Mexico 87103 (505) 247-0294						PROJECT NO. 4395.91			
SCANNED BY BY-LASON						SHEET 1 OF 31			

LEGEND

PROPOSED	EXISTING	DESCRIPTION
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
	NA	WATER MANHOLE
NA		TELEPHONE MANHOLE
SAS 8" CP	SAS 8" CP	SANITARY SEWER LINE WITH SIZE AND TYPE
SD 48" RCP	SD 48" RCP	STORM DRAIN LINE WITH SIZE AND TYPE
W 6" CI	W 6" CI	WATER LINE WITH SIZE AND TYPE
NA	E	OVERHEAD ELECTRICAL LINE
UE	UE	UNDERGROUND ELECTRICAL / TRAFFIC CONTROL
NA	UT	UNDERGROUND TELEPHONE
NA	G 2" HP	GAS LINE WITH SIZE AND TYPE
NA	CT	CABLE TELEVISION LINE
		ENCASEMENT
		STORM DRAIN INLET (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		GATE VALVE
		BUTTERFLY VALVE
		FIRE HYDRANT
		REDUCER
		SANITARY SEWER SERVICE CONNECTION
		WATER SERVICE CONNECTION
		TEE
		CROSS
		BEND
		CAP AND PLUG
NA	WM	WATER METER
VB	VB	VALVE BOX
NA	PP	POWER POLE
NA	LP	LIGHT POLE
TL	TL	TRAFFIC LIGHT
TC	TC	TRAFFIC CONTROL BOX
PB	PB	PULL BOX
NA	TB	TELEPHONE BOOTH
		CURB AND GUTTER
		SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
		FIELD FENCE
0.83	NA	SPOT ELEVATION
NA		PROJECT / PHASE BOUNDARY
NA		RIGHT OF WAY LINES
NA		PROPERTY LINE (SIDE)
NA		PUBLIC EASEMENT LINE
NA	NA	CONSTRUCTION THIS PROJECT SPECIFIED ON DIFFERENT SHEET
LB	NA	LIGHT POLE BASE
	EXISTING	RESIDENTIAL PAVING
		ARTERIAL PAVING
	EXISTING	CONCRETE PAVING
		TEMPORARY PAVING
		WHEELCHAIR RAMP
		SWALE
		CONTOURS



ABBREVIATIONS

F.L.	FLOW LINE ELEVATION
CL CONST.	CENTER LINE OF CONSTRUCTION
LT.	LEFT
RT.	RIGHT
OPP	OPPOSITE
STA	STATION
R.O.W.	RIGHT OF WAY
CL	CENTER LINE
FL	FLANGE
TOS	TOP OF SLAB
TG	TOP OF GRAVEL

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION (REFERRED TO HEREAFTER AS THE STANDARD SPECIFICATIONS).
- FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM, PH. 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- EXCAVATED MATERIALS WILL ONLY BE PLACED AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.
- ALL REFERENCES TO CITY STANDARD DRAWINGS WILL BE PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986.
- THE REMOVAL AND REPLACEMENT OF PRIVATE SIGNS AND OBSTRUCTIONS SHALL BE PERFORMED BY THE RESPECTIVE PROPERTY OWNERS UNLESS OTHERWISE NOTED. COORDINATION SHALL BE THE RESPONSIBILITY OF THE ENGINEER.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATIONS WITH THE WATER UTILITIES DIVISION (857-8200) SEVEN (7) WORKING DAYS PRIOR TO ANY WORK NEEDING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN. THE CONTRACTOR SHALL SUBMIT A PERMIT FOR WATER SHUT-OFF IN ACCORDANCE WITH SECTION 18 OF THE GENERAL CONDITIONS.
- STORM DRAIN INLET/OUTLET LINES SHALL NOT ENTER OR EXIT THE STORM DRAIN INLETS IN SUCH A MANNER THAT REDUCES OR IN ANY WAY DIMINISHES THE WALL THICKNESS INTEGRITY. (SEE THE C.O.A. STD. DWG. DETAILS). FURTHER, PIPES SHALL ENTER ONLY THROUGH THE FRONT, BACK OR SIDES AS SHOWN ON THE PLANS.
- WHERE TRENCHING EXPOSES EXISTING UTILITY LINES, THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPORTING THE LINE DURING CONSTRUCTION AND ASSURE THAT IT IS ADEQUATELY BACKFILLED AND COMPACTED.
- SITE BORING INFORMATION IS AVAILABLE FOR EXAMINATION AT THE ENGINEER'S OFFICE.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- BACKFILL COMPACTION AND PAVEMENT SHALL BE ACCORDING TO ARTERIAL STREET USE IN MONTANO AND UNSER. RESIDENTIAL STREET USE SHALL BE USED FOR TESUQUE.
- ANY AREA NOT PAVED WHICH IS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED WITH NATIVE GRASS.

RECORD DRAWING
Date JUN 23 1993
These drawings have been revised based on field data and a reasonable attempt has been made to show construction as actually performed.

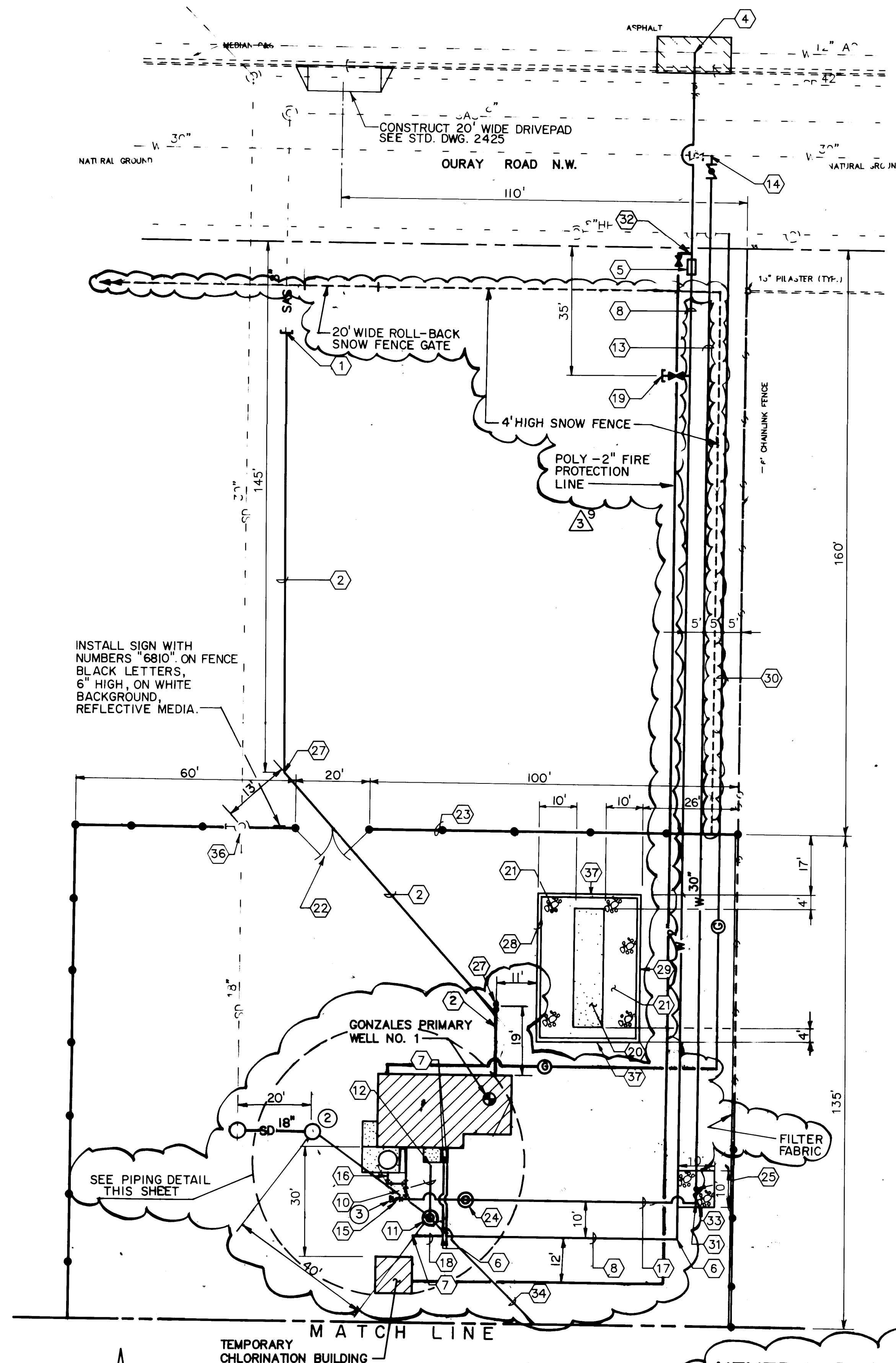
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26 43 45 91 02 94

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: FEB 11 1994

SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 LEGEND, GENERAL NOTES AND ABBREVIATIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R. W. Kane	9-8-92	WATER	R. W. Kane	9-2-92
TRANSPORTATION	C. R. Kane	9-8-92	WASTE WATER	R. W. Kane	9-2-92
HYDROLOGY	CM	9-8-92			
PROJECT NO.	4395.91	MAP H-11 & E-10	SHEET	2	OF 31

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	MCC, Inc.	DATE	DATE	FIELD NOTES	NO.	BY	DATE
WORK STARTED BY	Albino Surveying	DATE	DATE				
INSPECTED BY	L-H	DATE	DATE				
FIELD VERIFICATION BY	L-H	DATE	DATE				
CORRECTED BY	L-H	DATE	DATE				
MICRO-FILM INFORMATION		RECORDED BY		NO.		DATE	



SITE LAYOUT PLAN
SCALE: 1" = 20'

KEYED NOTES ○ (INV. INFO.)

- 1 5105.35 4" DUCTILE IRON DRAIN LINE
- 2 5097.30 WEST INV. EL.
5097.40 EAST INV. EL.
- 3 5101.00 30" x 30" x 12" TEE INV. EL.

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: FEB 1 1 1994



RECORD DRAWING

Date JUN 23 1994
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

KEYED NOTES ○ (CONT.)

- 34 4" DRAIN LINE
- 35 INSTALL STAINLESS STEEL RODENT SCREEN ON 4" DRAIN LINE. INVERT EL = 5102.0
- 36 SKEW FENCE ALIGNMENT THIS AREA TO ENCLOSE MANHOLE WITHIN FENCED AREA
- 37 CONCRETE RETAINING WALL. SEE

KEYED NOTES ○

- 1 REMOVE EXISTING PLUG, CONNECT 4" DRAIN LINE TO EXISTING 8" SAS LINE. INVERT EL = 5100.01.
- 2 4" DUCTILE IRON DRAIN LINE.
- 3 SEE SHEET M-1 FOR CONTINUATION INVERT EL = 5105.35.
- 4 CONNECT TO EXISTING 2" WATER SERVICE LINE 5' BEHIND CURB. SEE STD. DWG. 2363.
- 5 2" WATER SERVICE LINE METER. SEE STD. DWG. 2363.
- 6 2" x 90° BEND
- 7 SEE SHEET M-1 FOR CONTINUATION OF GAS LINE
- 8 2" WATER SERVICE LINE.
- 9 REMOVE EXISTING PLUG. CONNECT 18" WASH LINE TO EXISTING 18" STUB. INVERT EL = 5097.18.
- 10 18" WASH LINE CLASS IV RCP.
- 11 4" DIA. MANHOLE. SEE STD. DWG. 2102 18" INVERT W. EL = 5098.00 18" INVERT N. EL = 5104.85 18" INVERT SE. EL = 5098.20
- 12 SEE SHEET 6 FOR CONTINUATION INVERT EL = 5105.00
- 13 30" WATER TRANSMISSION LINE.
- 14 CONNECT 30" WATER TRANSMISSION LINE TO EXISTING 30" WATER LINE. INSTALL 30" x 30" x 30" TEE, 2-30" BUTTERFLY VALVES. SEE STD. DWG. 2351. INVERT EL = 5099.0± RESTRAIN JOINTS 41' SOUTH OF TEE
- 15 30" x 30" x 12" TEE AND, 30" BUTTERFLY VALVE. CAP WEST OF VALVE. 12" INVERT EL = 5102.0
- 16 12" DISCHARGE LINE. SEE SHEET 6
- 17 30" WATER TRANSMISSION LINE RESTRAIN ALL JOINTS
- 18 2" WATER SERVICE LINE TO CHLORINE BLDG.
- 19 1-2" TEE, VALVE, AND CAP. (FUTURE IRRIGATION SERVICE LINE.)
- 20 SWITCHGEAR PAD SEE SHT E4 AND
- 21 GRAVEL, 8" DEEP
- 22 6" HIGH DOUBLE SWING GATE, SEE STD. DWG. 2252. DELETE CENTER LOCK POST SHOWN ON STD DWG 2252. PROVIDE BEST PADLOCK SERIES 218722 WITH STEEL CHAIN OR APPROVED EQUAL.
- 23 6" HIGH CHAIN LINK FENCE. SEE STD. DWG. 2252.
- 24 CHLORINE INJECTION MANHOLE SEE
- 25 CHLORINE SAMPLING PORT
- 26 CHLORINE INJECTION LINE.
- 27 BEND AND CLEAN OUT SEE
- 28 HEADER CURB SEE STD. DWG. 2415
- 29 SCREEN WALL, SEE
- 30 GAS SERVICE LINE. CONTRACTOR SHALL COORDINATE INSTALLATION WITH GAS CO. OF NEW MEXICO. METER TO BE SIZED FOR 75 CFH AND 14" W.C.
- 31 30" x 90° BEND, RESTRAIN JOINTS 41' NORTH OF BEND INV. EL = 5098.2
- 32 INSTALL 2" FIRE SERVICE WITH SHUTOFF BRANNING UPSTREAM OF THE 2" WATER SERVICE METER (SEE NOTE 5) AND CONNECT TO THE TEMPORARY CHLORINE BLDG.
- 33 GRAVEL, 24" DEEP

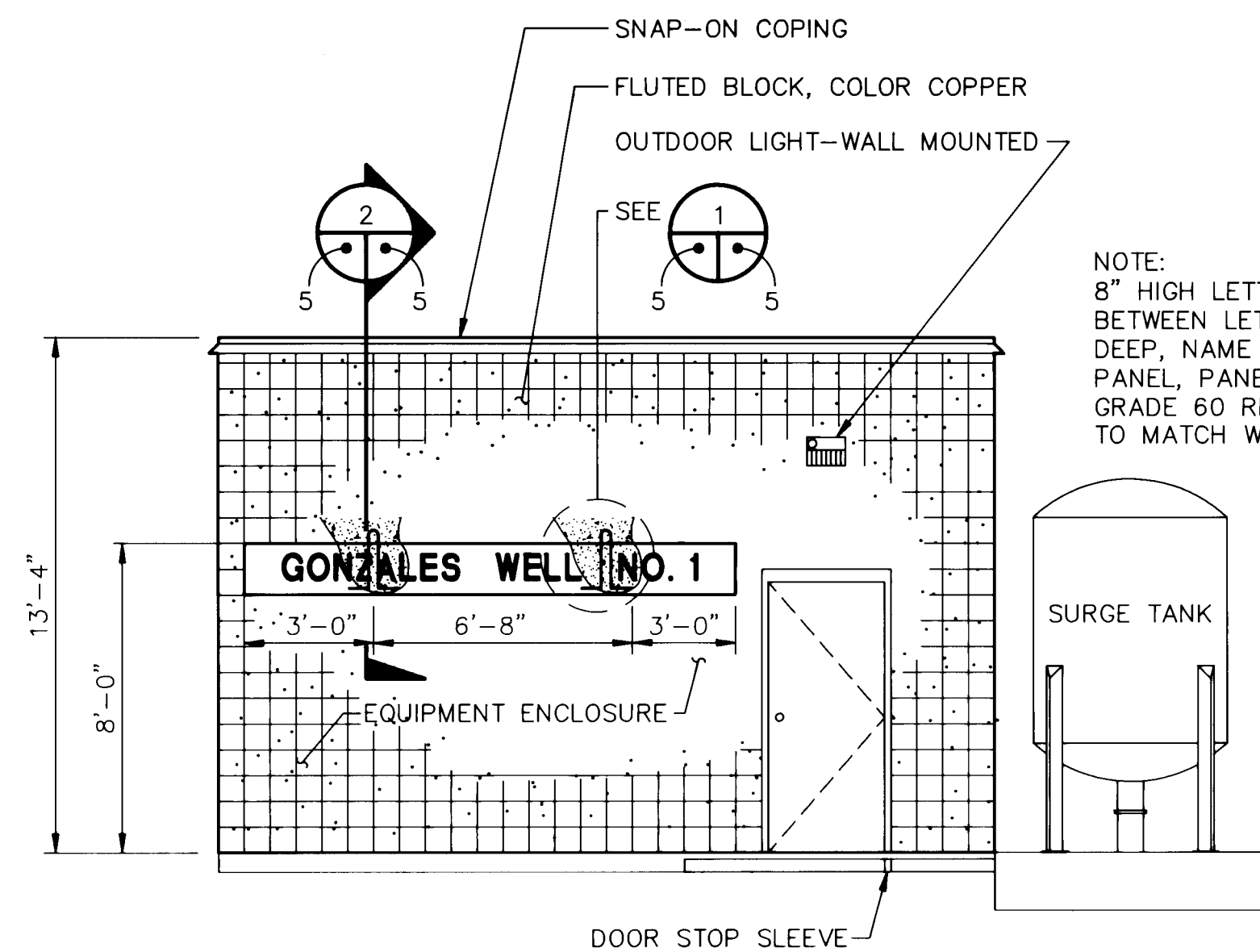
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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

TITLE:
GONZALES PRIMARY WELL NO. 1
SITE LAYOUT PLAN

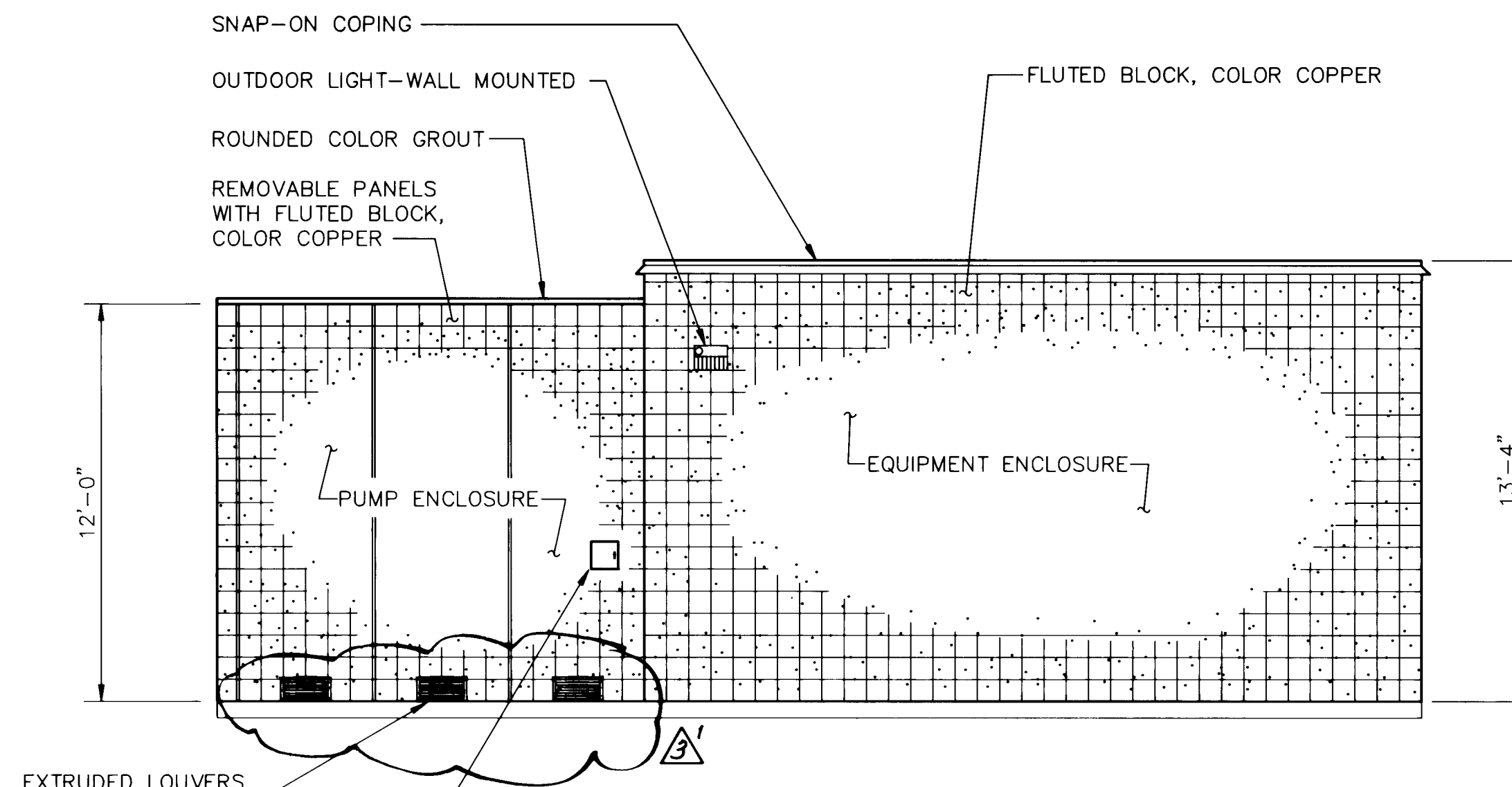
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DRG CHAIRMAN	R. W. Kane	9-2-92	WATER	R. W. Kane	9-2-92
TRANSPORTATION	R. W. Kane	9-2-92	WASTE WATER	R. W. Kane	9-2-92
HYDROLOGY	R. W. Kane	9-2-92			

PROJECT NO. 4395.91 **MAP NO.** H-11 **SHEET** 3 **OF** 31



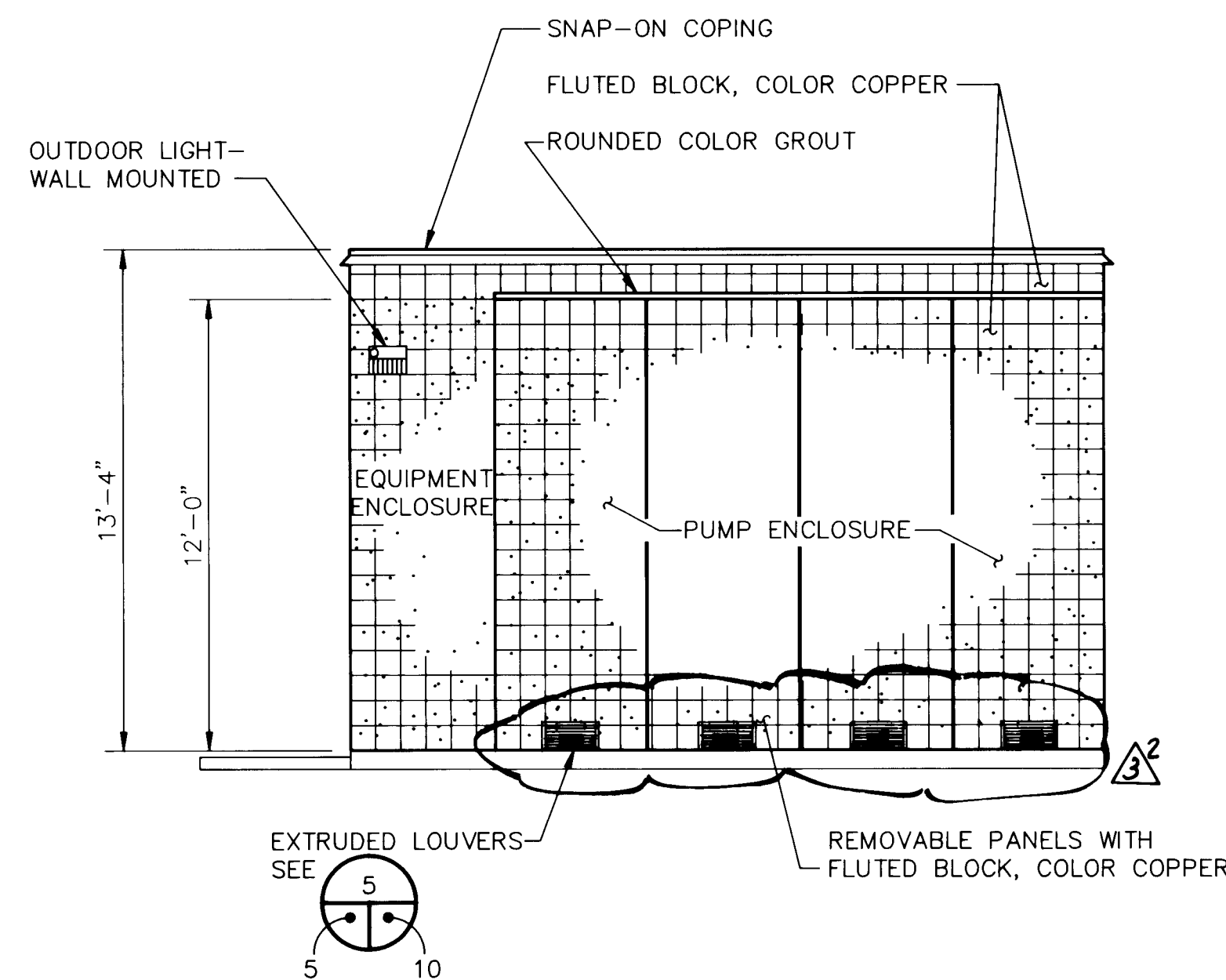
WEST ELEVATION

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



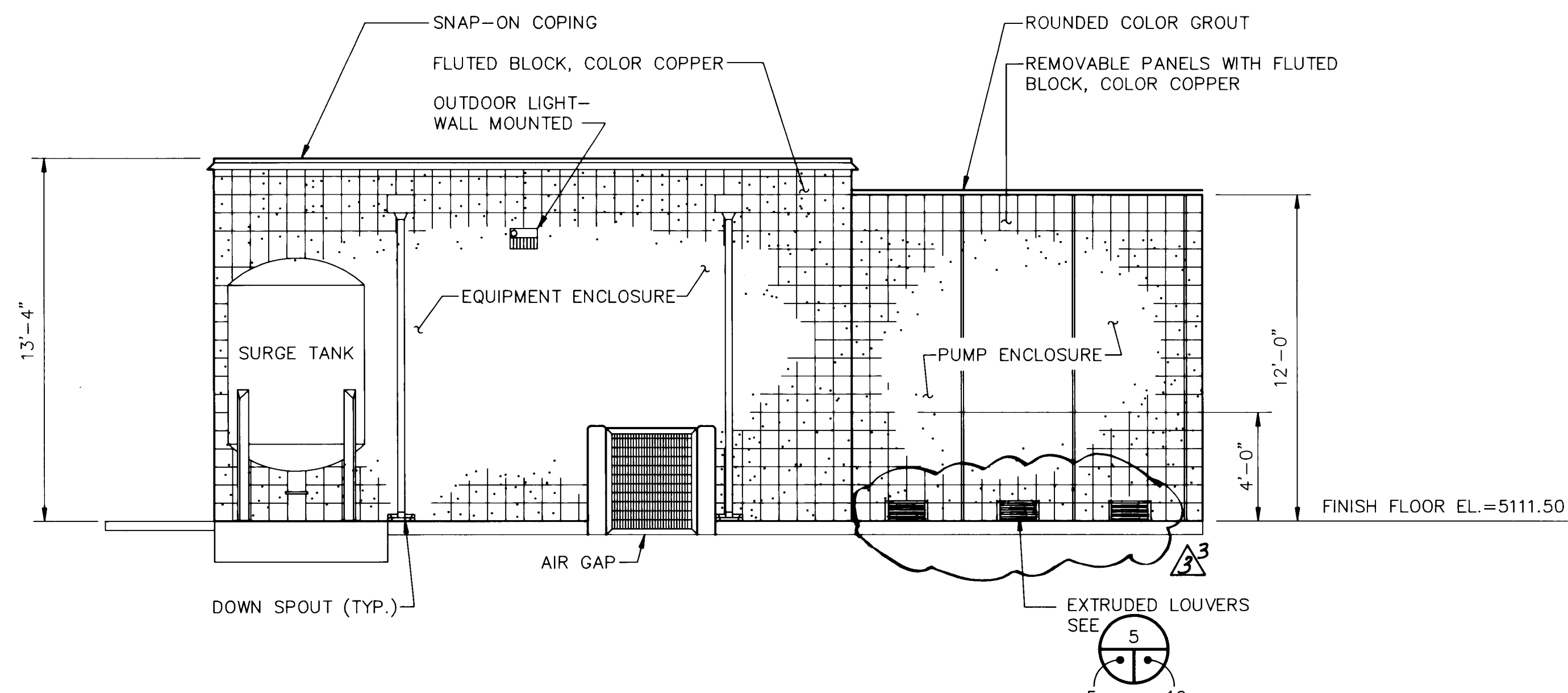
NORTH ELEVATION

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



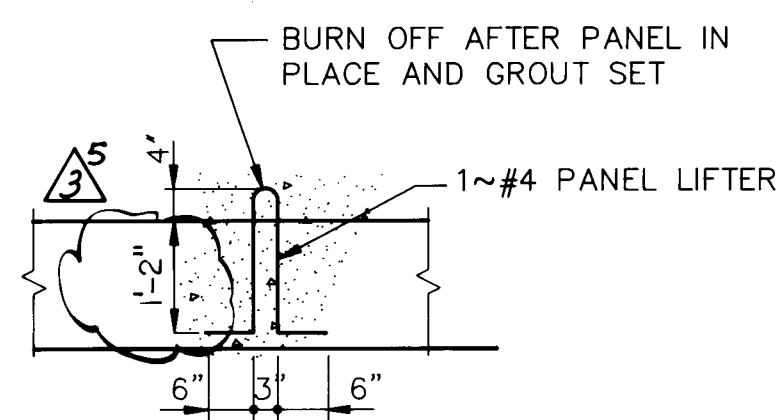
EAST ELEVATION

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



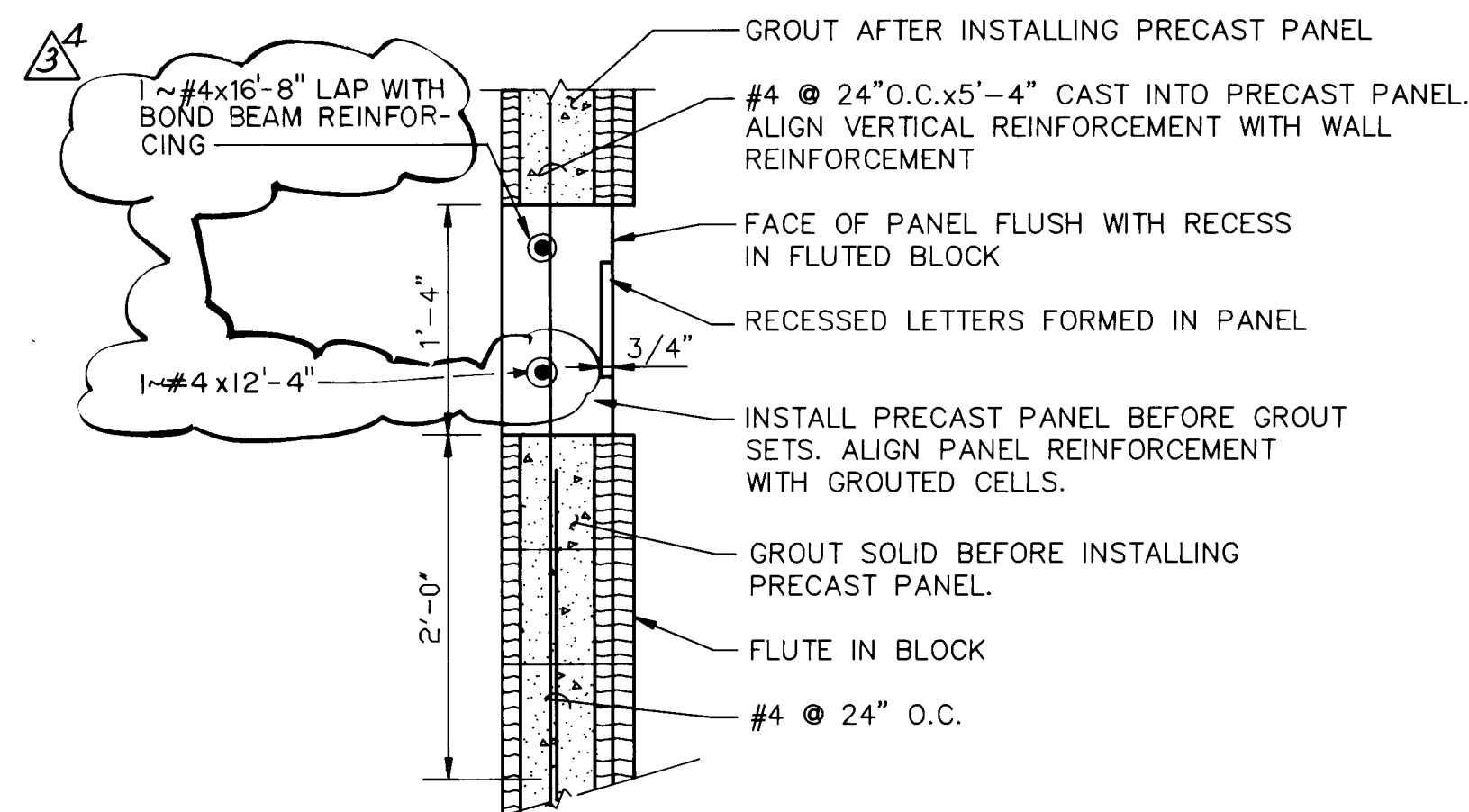
SOUTH ELEVATION

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



PANEL LIFTER DETAIL

NOT TO SCALE



SECTION

NOT TO SCALE

APPROVAL OF RECORD DRAWINGS
Project Engineer
[Signature]
Date: FEB 11 1993

26 4395.910594

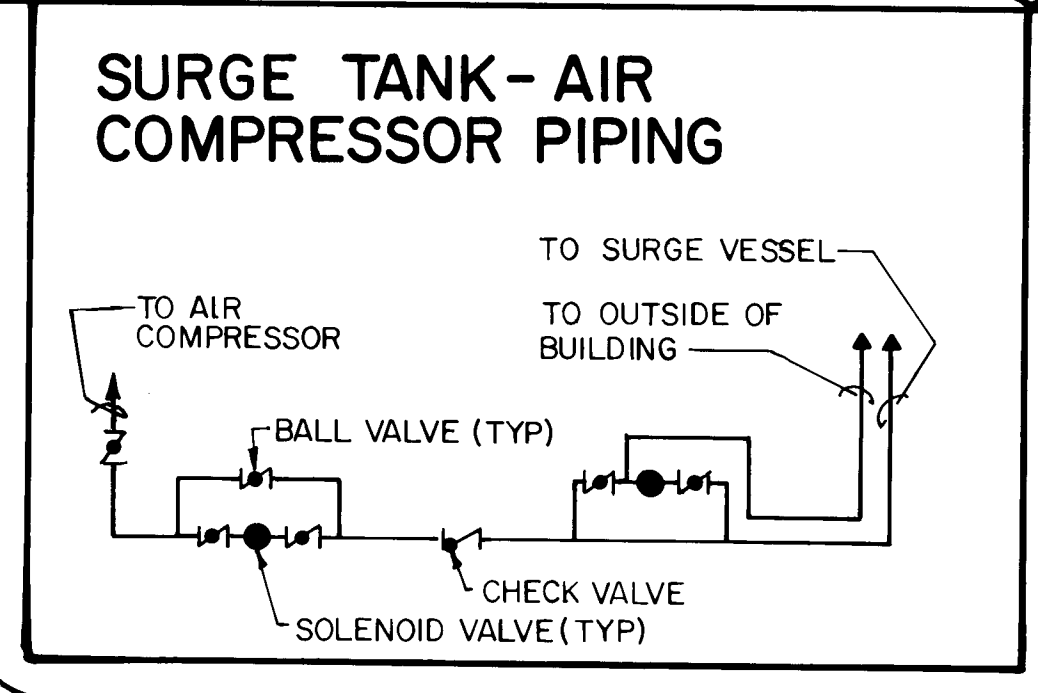
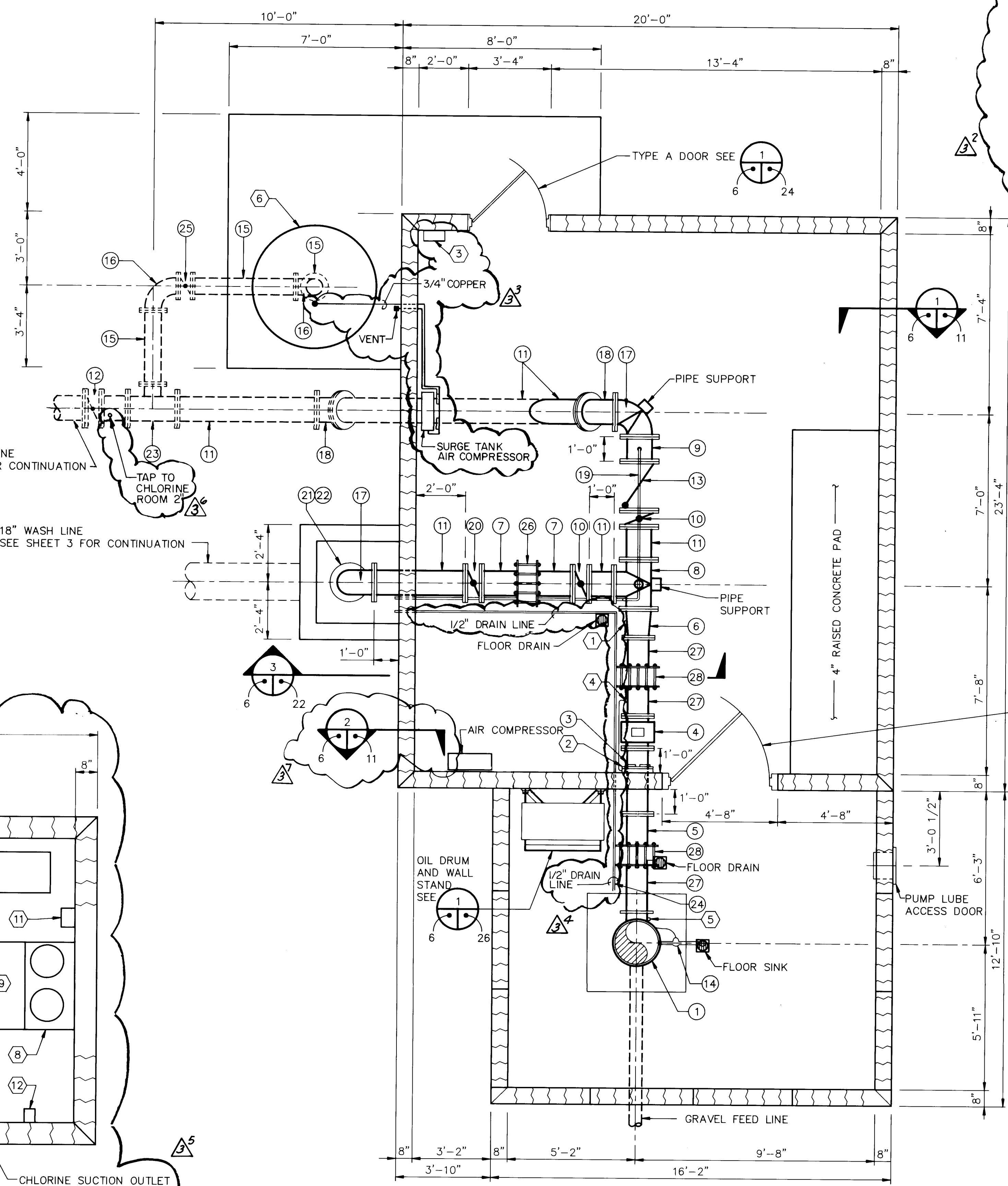
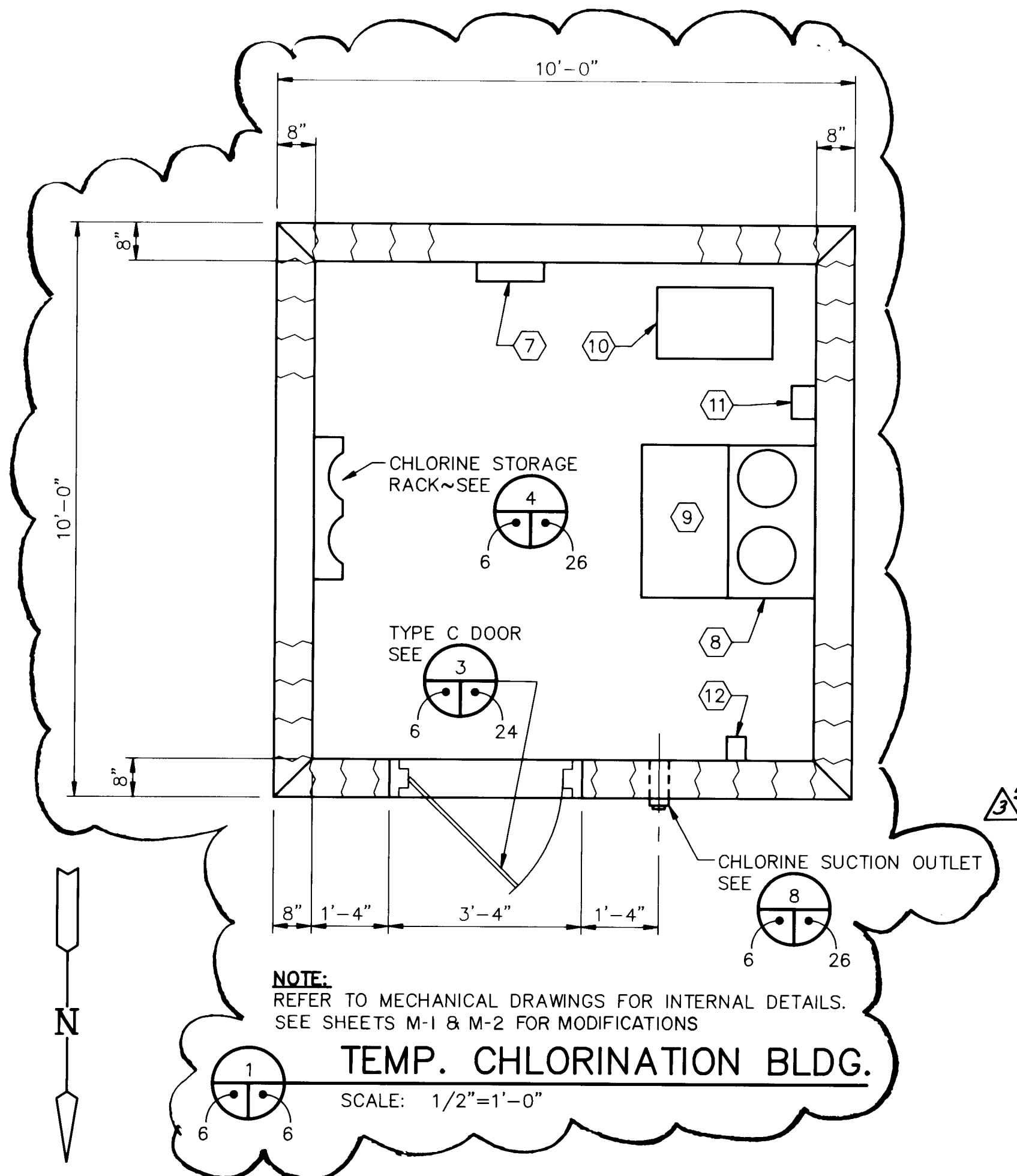
RECORD DRAWING

Date: JUN 22 1993
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction & materials performance.

SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 ELEVATIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	<i>R.W. Kane</i>	8-2-92
TRANSPORTATION	<i>[Signature]</i>	7-28-92	WASTE WATER	<i>R.W. Kane</i>	8-2-92
HYDROLOGY	<i>AM</i>	7-28-92			
PROJECT NO.	4395.91	MAP NO.	H-11	SHEET	5 OF 31

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	NO.	DATE	CONTRACTOR	DATE
				MCC, Inc.	12/92
				INSPECTOR	6/93
				FIELD VERIFICATION BY	6/93
				CORRECTED BY	6/93
				MICRO-FILM INFORMATION	
				RECORDED BY	
				NO.	



PIPE FITTING SCHEDULE	
NO.	DESCRIPTION
1	PUMP MOTOR AND DISCHARGE HEAD
2	10" BUTTERFLY VALVE (FLxFL)
3	10" SPOOL (FLxFL)
4	10" FLOW METER (FLxFL)
5	10" SPOOL (FLxPE) WITH HOSE BIB PLACED AT SPRINGLINE OF PIPE
6	10"x12" REDUCER (FLxFL) BOSS ROTATE DOWN 30° FROM HORIZONTAL
7	12" SPOOL (FLxPE) WITH ADJUSTABLE PIPE SUPPORT
8	12"x12"x12" TEE (FLxFLxFL) WITH 2" TAP ON TOP FOR AIR RELEASE LINE
9	12" SPOOL (FLxFL) WITH 2" TAP ON TOP FOR AIR RELEASE LINE
10	12" MOTORIZED BUTTERFLY VALVE (FLxFL)
11	12" SPOOL (FLxFL)
12	12" BUTTERFLY VALVE (FLxFL) WITH TYPE "B" VALVE CAN
13	12" PLANTING DISC CHECK VALVE (FLxFL)
14	PIPE AS NECESSARY FOR LUBE OIL DRIPPER TEMPERATURE COMPENSATOR
15	8" SPOOL (FLxFL)
16	8"x90° BEND (FLxFL)
17	12"x90° BEND (FLxFL)
18	12"x45° BEND (FLxFL)
19	DRAIN LINE
20	12" BUTTERFLY VALVE (FLxFL) WITH LOCKING DEVICE ON VALVE WHEEL
21	1"x1/8" EXPANDED METAL MESH
22	12" MATING FLANGE
23	12"x12"x8" TEE (FLxFL)
24	PIPE MOTOR THRUST BEARING COOLING LINE TO AIR GAP STRUCTURE
25	8" BUTTERFLY VALVE (FLxFL) WITH TYPE "B" VALVE CAN
26	12" DRESSER COUPLING WITH RESTRAINTS. SEE 6
27	10" SPOOL (FLxPE)
28	10" DRESSER COUPLING WITH RESTRAINTS. SEE 6

EQUIPMENT SCHEDULE	
NO.	DESCRIPTION
1	FLOW ELECTRODE. TAP LOCATION 30° BELOW HORIZONTAL
2	PRESSURE SWITCH AND GAUGE.
3	FIRE EXTINGUISHER
4	PRESSURE DETECTOR. TAP LOCATION 20° BELOW HORIZONTAL
5	1/4" TAP AND BALL VALVE PLACED AT SPRING LINE OF PIPE
6	SURGE VESSEL
7	CHLORINE DETECTOR
8	CHLORINE SCALE
9	RAMP, SEE 5
10	BOOSTER PUMP
11	CHLORINE INJECTOR
12	CHLORINATOR

TEMP. CONFIGURATION

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

NOTES:
INSTALL TEMP. CONFIGURATION PIPING AND VALVE FOR FLUSHING. REMOVE VALVE AND SPOOL (2 & 3) AND DELIVER TO OWNER AFTER COMPLETION OF FLUSHING AS DIRECTED BY THE ENGINEER. INSTALL FLANGED SPOOLS AND DRESSER STYLE COUPLING (5, 27 & 28) IN PERMANENT CONFIGURATION SHOWN TO LEFT.
SEE SHEET E3 FOR OIL DRIPPER SYSTEM SCHEMATIC.

APPROVAL OF RECORD DRAWINGS

Project Engineer
[Signature]
Date: FEB 1 1992

SCANNED BY LASON

RECORD DRAWING
JUN 23 1993
These drawings have been revised based on field data and a reasonable attempt has been made to depict construction as actually performed.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GONZALES PRIMARY WELL NO. 1 FLOOR AND PIPING PLAN AND TEMPORARY CHLORINATION BUILDING FLOOR PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	N/A		WATER	R.W. Kane	9-2-92
TRANSPORTATION	N.A.R.W.	9-2-92	WASTE WATER	R.W. Kane	9-2-92
HYDROLOGY	CAM	9-2-92			

PROJECT NO. 4395.91 MAP NO. H-11 SHEET 6 OF 31

AS BUILT INFORMATION	
CONTRACTOR	MCC, Inc.
WORK ORDER NO.	165,166
DATE	12/92
INSPECTOR	Mike Surber
DATE	12/92
ACCEPTANCE BY	L-H
DATE	6/93
VERIFICATION BY	L-H
DATE	6/93
DRAWINGS	
CORRECTED BY	L-H
DATE	6/93
RECORDED BY	
DATE	

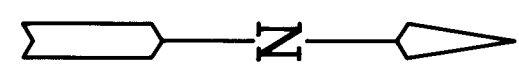
ENGINEER'S SEAL

REVISIONS

NO.	DATE	REVISIONS
1	6/93	Record Drawing

DESIGNED BY K. BURT
DRAWN BY T.J. LAKE
CHECKED BY

DATE: JUNE 1992
DATE: JUNE 1992
DATE: JUNE 1992



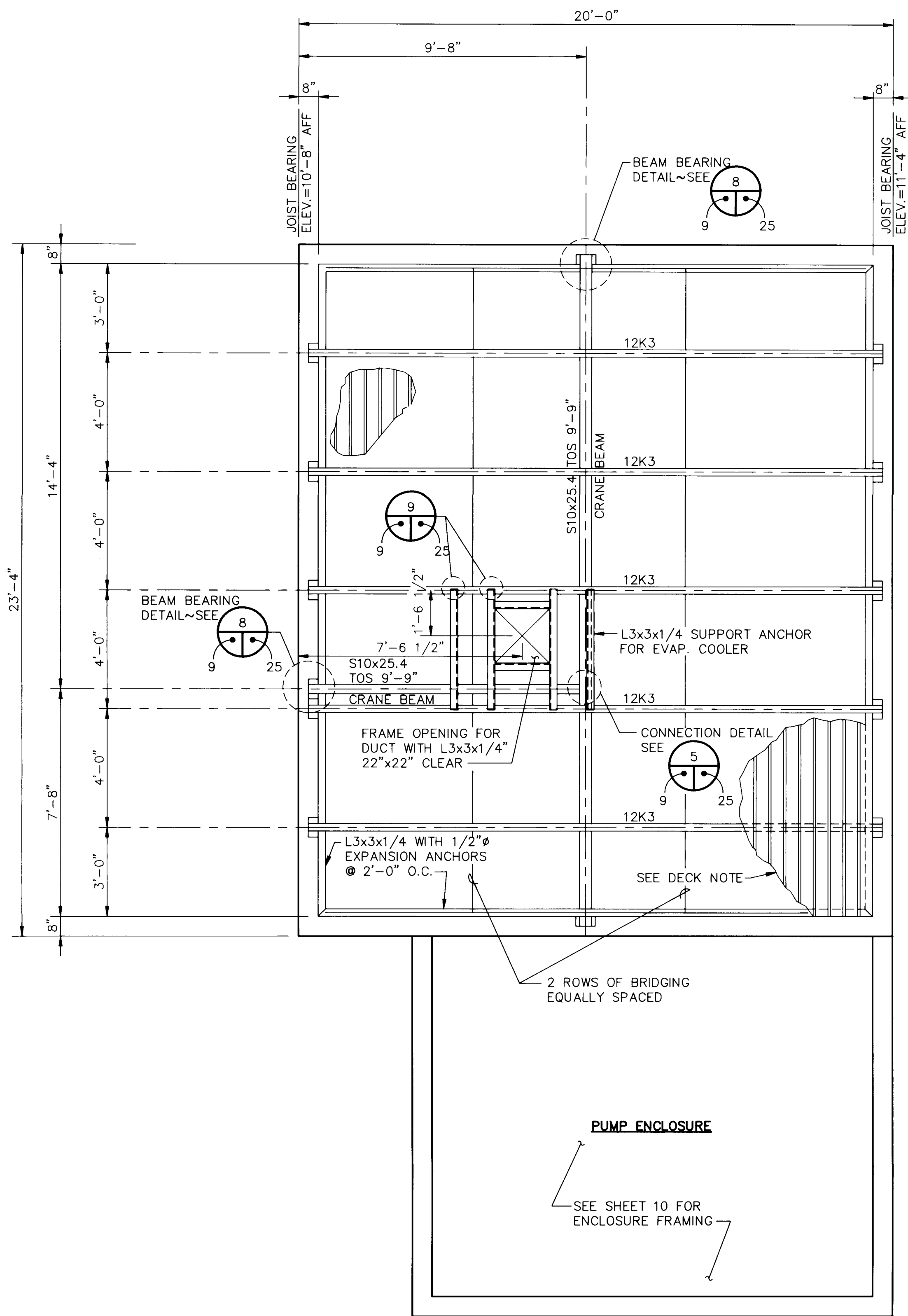
SCALE: $3/8"=1'-0"$

SCANNED BY
BY LASON

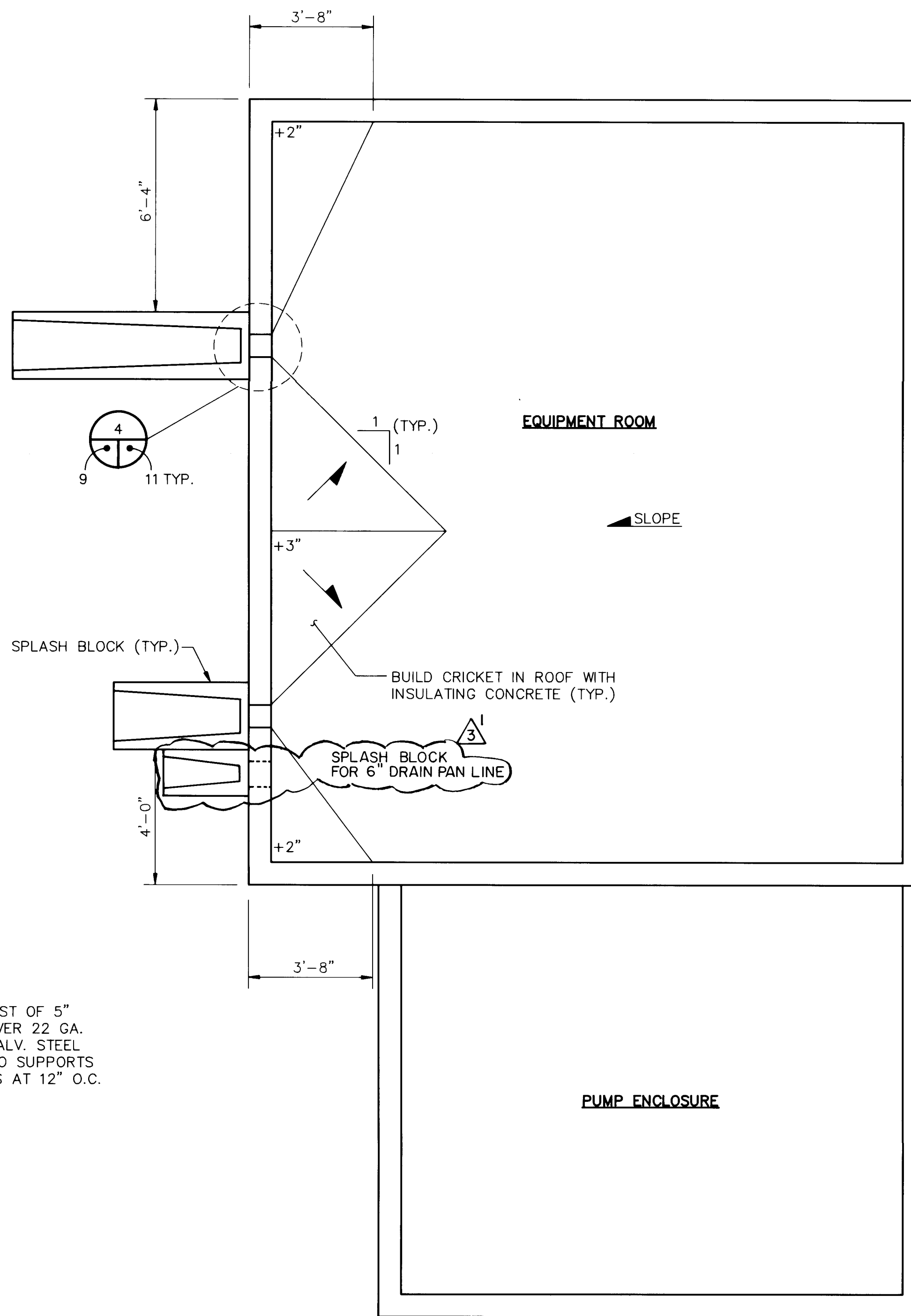
32/G91013.13CD1/G-FOUND/8-24-92/TJL

PROJECT NO.	4395.91	MAP NO.	H-11	SHEET	8	OF	31
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[illegible]

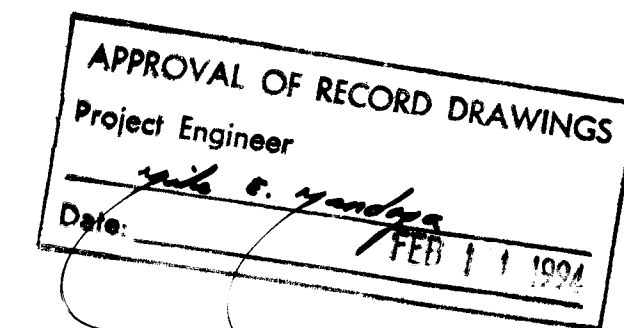


ROOF FRAMING PLAN
SCALE: 3/8"=1'-0"



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

DECK NOTE:
ROOF DECK SHALL CONSIST OF 5"
INSULATING CONCRETE OVER 22 GA.
1 5/16" DEEP VENTED GALV. STEEL
DECKING FASTEN DECK TO SUPPORTS
WITH NO. 12 TEK SCREWS AT 12" O.C.



RECORD DRAWING
JUN 29 1993

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

32/G91013.13CD1/G-ROOF/8-24-92/TJL

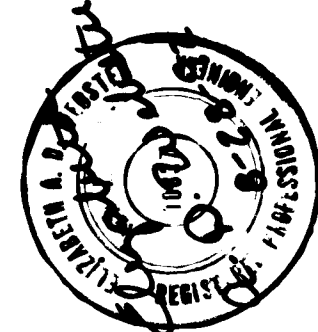
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
GONZALES PRIMARY WELL NO. 1
ROOF FRAMING AND ROOF DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	R.W. Kane	9-2-92
TRANSPORTATION			WASTE WATER	R.W. Kane	9-2-92
HYDROLOGY					

PROJECT NO. 4395.91 MAP NO. H-11 SHEET 9 OF 31

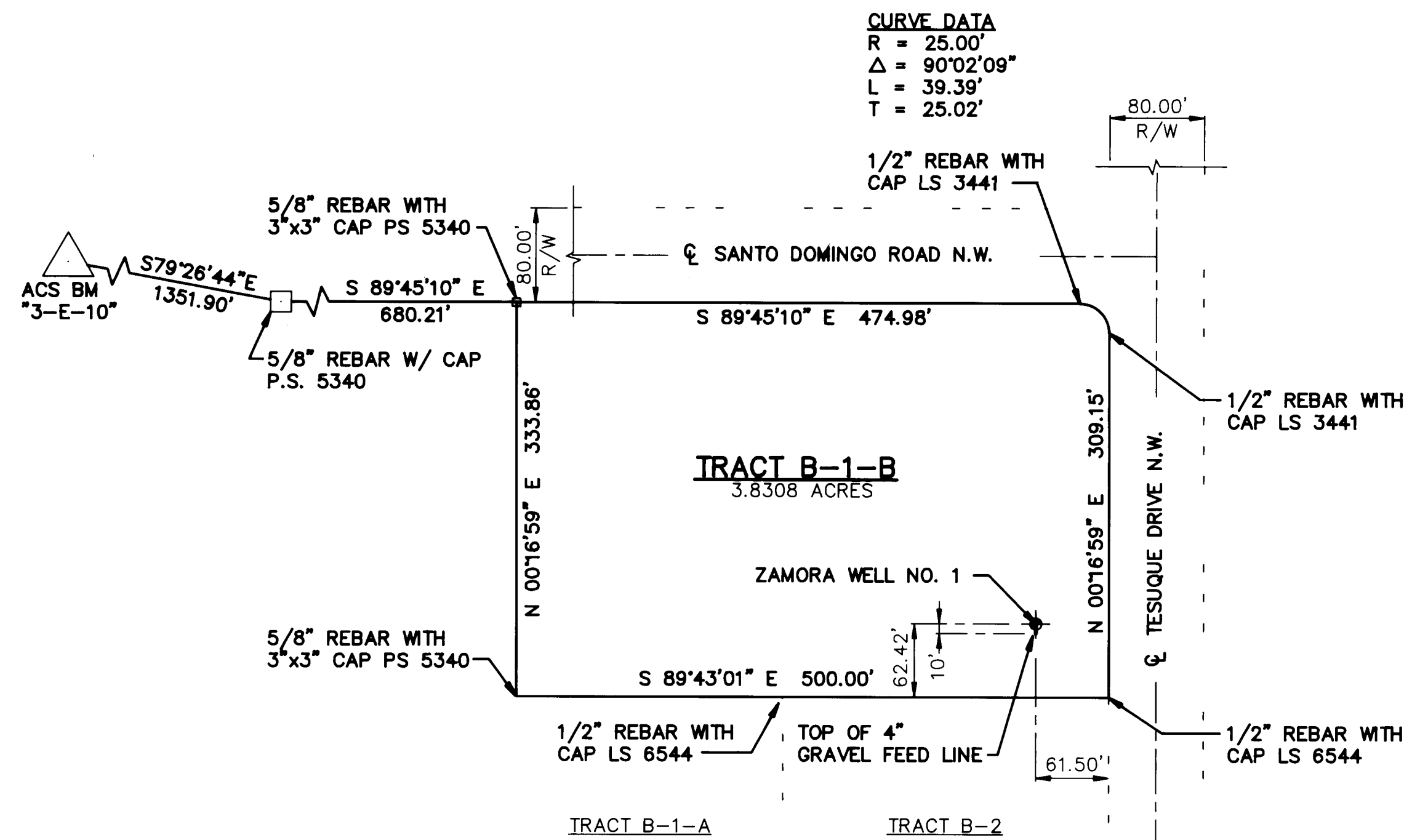
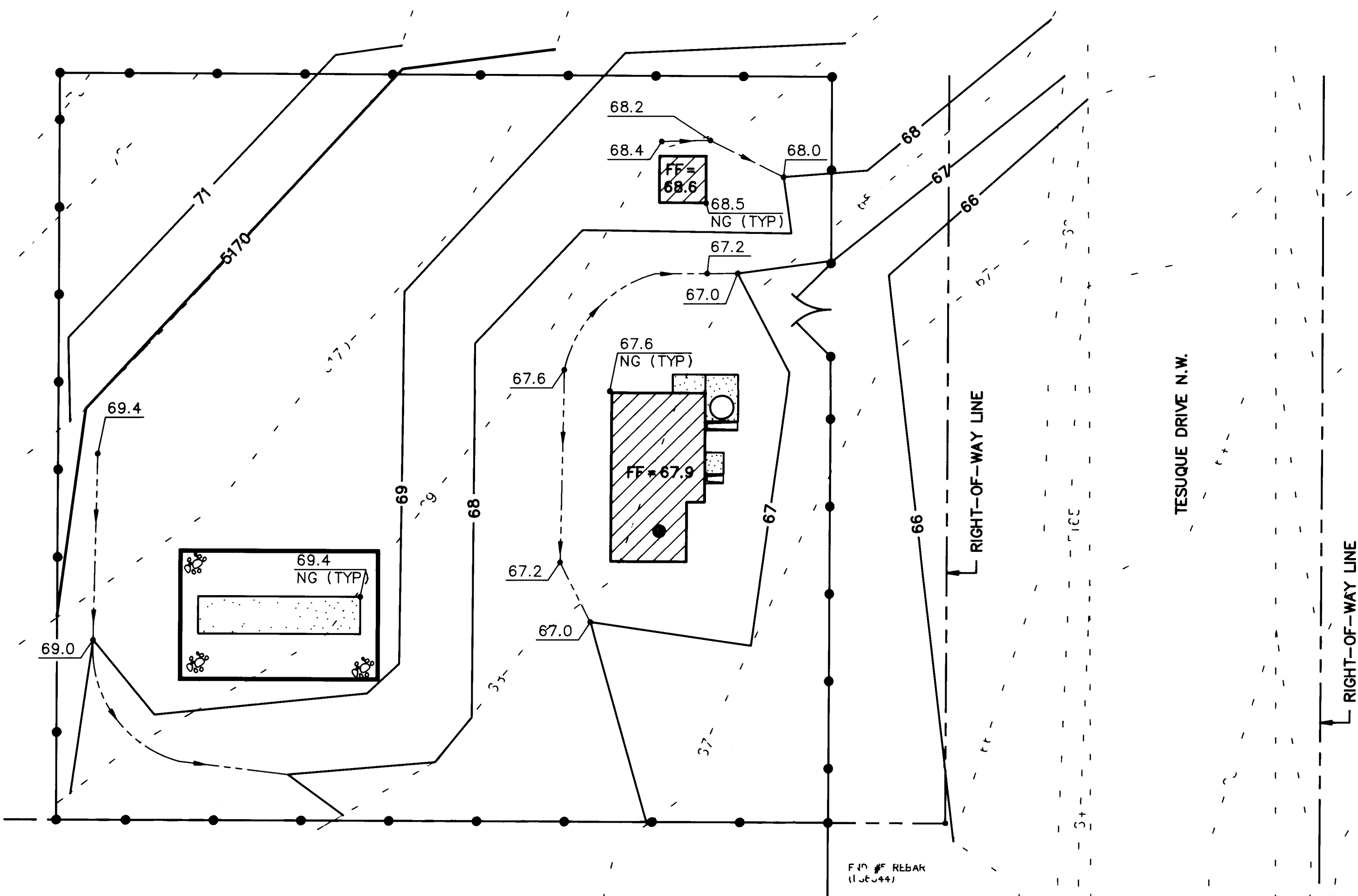
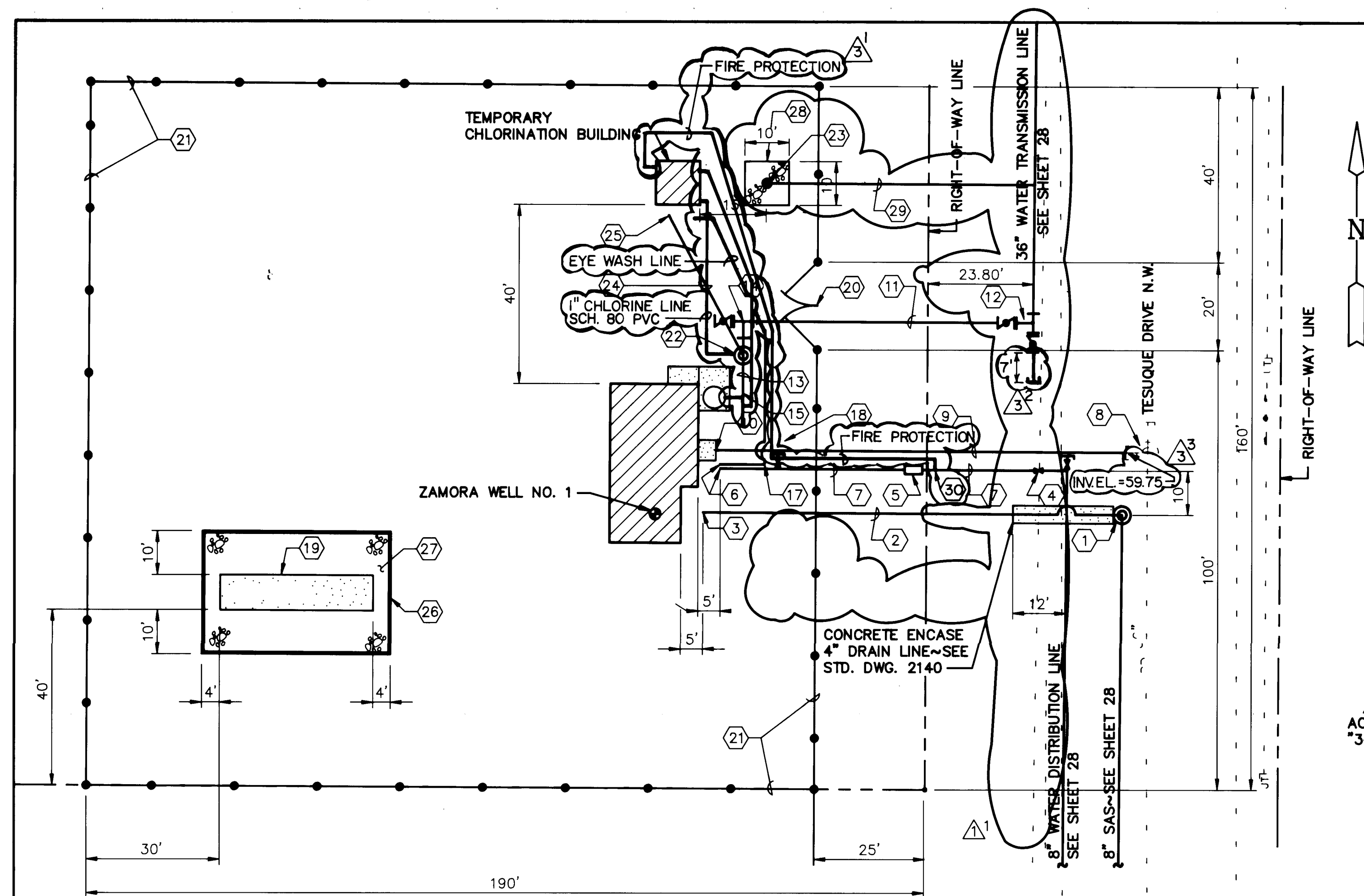
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	DATE
	2-H10 IS LOCATED APPROXIMATELY 100 FT. SOUTH FROM THE CENTERLINE OF OURAY RD. NW, ON THE WESTSIDE OF 64TH ST., ELEVATION = 5108.81			MCC, Inc.	12/92
				INSPECTOR'S SIGNATURE	DATE
				FIELD VERIFICATION BY	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	DATE
				RECORDED BY	DATE
				NO.	DATE



NO.	REVISIONS	DATE	BY
1	Record Drawing	JUN 29 1993	L-H
2			
3			
4			
5			
6			
7			
8			
9			
10			

SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 PUMP ENCLOSURE FRAMING PLAN AND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>J. L.</i>		WATER	<i>R.W. Kane</i>	<i>9-2-92</i>
TRANSPORTATION	<i>N. A. R.</i>	<i>9-2-92</i>	WASTE WATER	<i>R.W. Kane</i>	<i>9-2-92</i>
HYDROLOGY	<i>CAM</i>	<i>9-8-92</i>			
PROJECT NO.		MAP NO.	SHEET OF		
4395.91		H-11	10 31		



APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: JUN 23, 1993

RECORD DRAWING
JUN 23, 1993

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

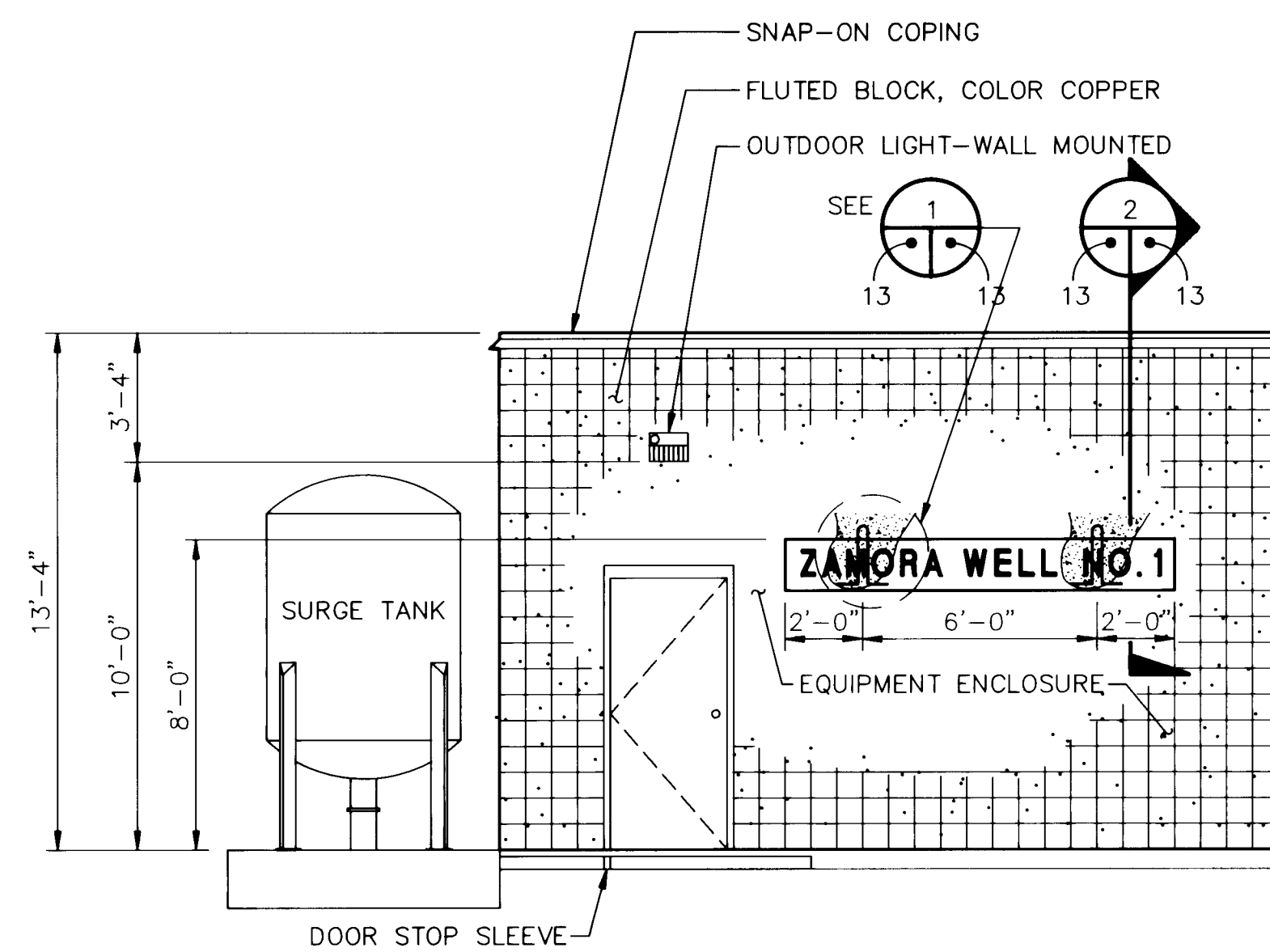
KEYED NOTES

- CONNECT 4" DRAIN LINE TO NEW SAS MANHOLE INVERT EL=61.40. SEE STD. DWG. 2118
- 4" DUCTILE IRON DRAIN LINE
- SEE SHEET M-2 FOR CONTINUATION. INVERT EL=63.20.
- CONNECT 2" WATER SERVICE LINE TO NEW 8" LINE SEE STD. DWG. 2363
- 2" WATER SERVICE LINE METER. SEE STD. DWG. 2363
- SEE SHEET M-4 FOR CONTINUATION.
- 2" WATER SERVICE LINE.
- REMOVE EXISTING PLUG. CONNECT 18" WASH LINE TO EXISTING 18" STUB. INVERT EL=61.35.
- 18" WASH LINE, CLASS IV RCP.
- SEE SHEET 14 FOR CONTINUATION. INVERT EL=61.80.
- 36" WATER TRANSMISSION LINE. RESTRAIN ALL JOINTS
- CONNECT 36" WATER TRANSMISSION LINE TO NEW 36x36x36 TEE. INSTALL 1~36" BUTTERFLY VALVE, SEE STD. DWG. 2351
- 12" DISCHARGE LINE.
- 36x36x12 TEE AND 36" BUTTERFLY VALVE SEE STD. DWG. 2351. INVERT EL=58.50
- SEE SHEET 14 CONTINUATION.
- 2" WATER SERVICE LINE TO CHLORINE BUILDING.
- 2" 90° BEND.
- 2" TEE, VALVE AND CAP FUTURE IRRIGATION SERVICE LINE.
- SWITCHGEAR PAD SEE SHT E4 AND
- 6' HIGH DOUBLE SWING GATE, SEE STD. DWG. 2252. DELETE CENTER LOCK POST SHOWN ON STD. DWG. 2252. PROVIDE BEST PADLOCK SERIES 81B WITH 1" SHACKLE AND STEEL CHAIN OR APPROVED EQUAL.
- 6' HIGH CHAIN LINK FENCE, SEE STD. DWG. 2252
- CHLORINE INJECTION MANHOLE SEE
- CHLORINE SAMPLING HYDRANT. EXACT LOCATION TO BE SELECTED BY OWNER.
- CHLORINE INJECTION LINE.
- SEE SHEET 14 FOR CONTINUATION.
- HEADER CURB SEE STD. DWG. 2415
- GRAVEL, 8" DEEP
- GRAVEL, 24" DEEP
- 1" WATER SAMPLING LINE
- INSTALL 2" FIRE SERVICE WITH SHUTOFF BEGINNING UPSTREAM OF THE 2" WATER SERVICE METER (SEE NOTE 5) AND CONNECTING TO THE TEMPORARY CHLORINATION BUILDING.

26 4395.911294

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: ZAMORA WELL NO. 1 SITE LAYOUT, GRADING AND SURVEY LAYOUT PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R. W. Kane	10-6-92	WATER	R. W. Kane	10-6-92
TRANSPORTATION	W. J. D.	10-6-92	WASTE WATER	R. W. Kane	10-6-92
HYDROLOGY	N/A				
PROJECT NO. 4395.91 MAP NO. E-10 SHEET 12 OF 31					

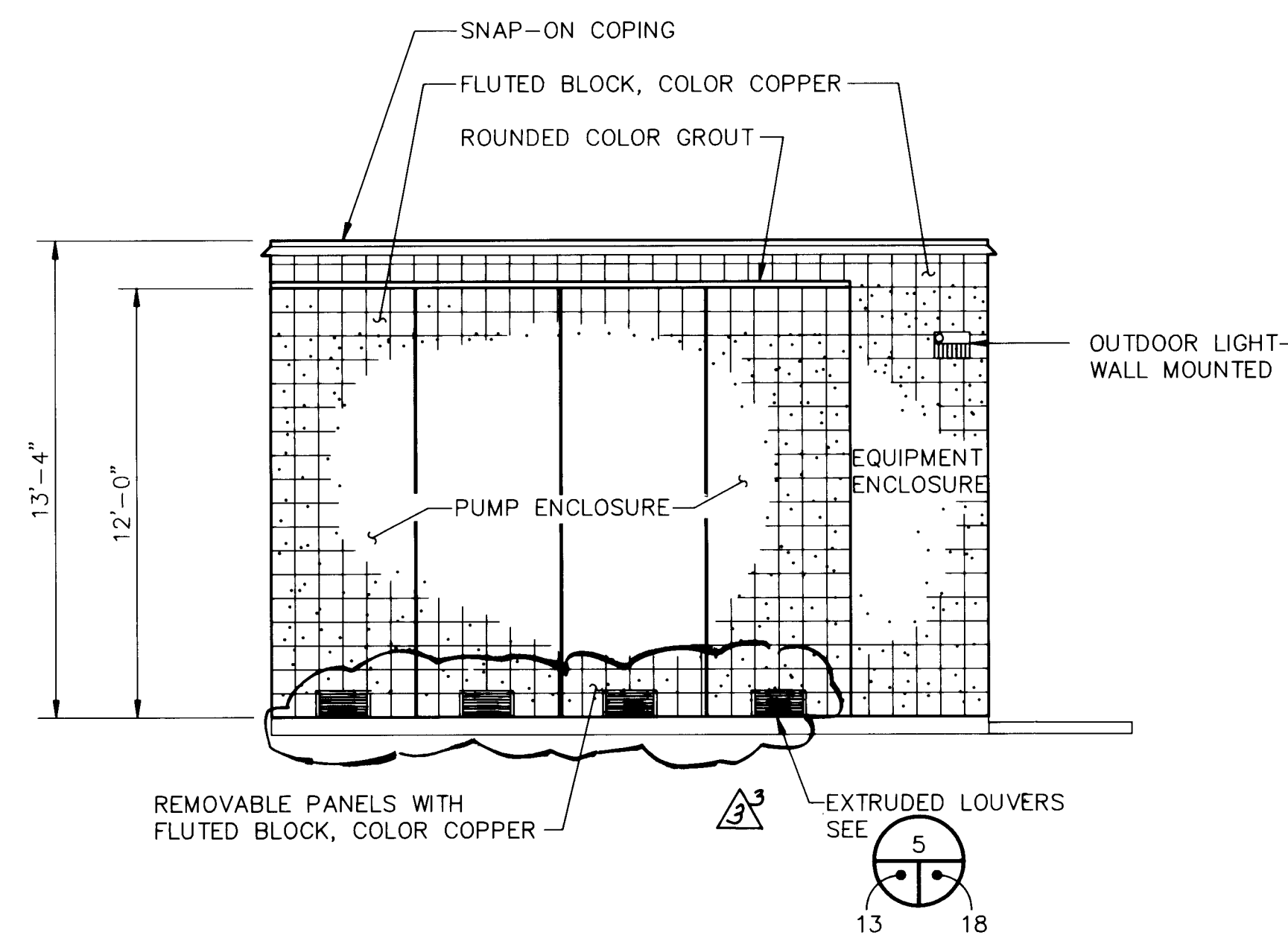
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	MCC, Inc.	3-E10 IS LOCATED APPROXIMATELY 45 FT. EAST/NORTHEAST OF THE INTERSECTION OF RIMROCK RD. NW AND MARIGOLD DR. NW. IN VOLCANO CLIFFS ADDITION. ELEVATION = 5316.12	DATE	BY	NO.	REGISTERED PROFESSIONAL ENGINEER	DESIGNED BY
INSPECTOR	MCC, Inc.		DATE				K. STELZER
VERIFICATION BY	L-H		DATE				D. MEDINA
COMPLETED BY	L-H		DATE				K. BURT
RECORDED BY	L-H		DATE				



NOTE:
8" HIGH LETTERS, 6"± WIDE, 2"± SPACE
BETWEEN LETTERS, 6"± BETWEEN WORDS, 3/4"
DEEP, NAME CENTERED IN PRECAST CONCRETE
PANEL, PANEL OF 3000 PSI CONCRETE WITH
GRADE 60 REINFORCEMENT, PANEL COLOR
TO MATCH WALL.

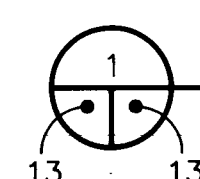
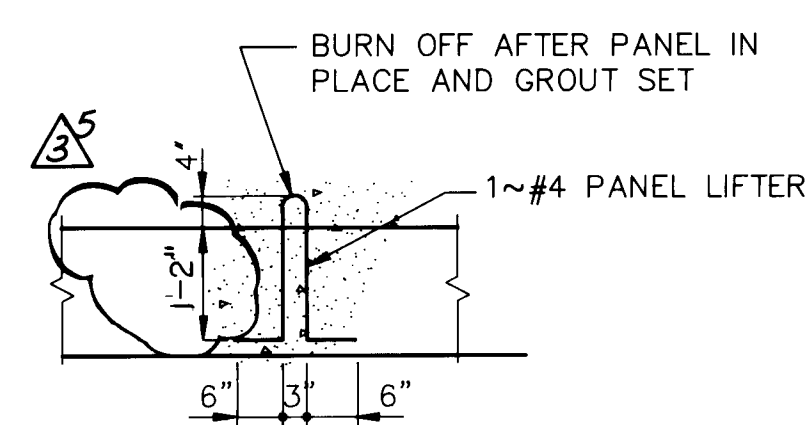
NORTH ELEVATION

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



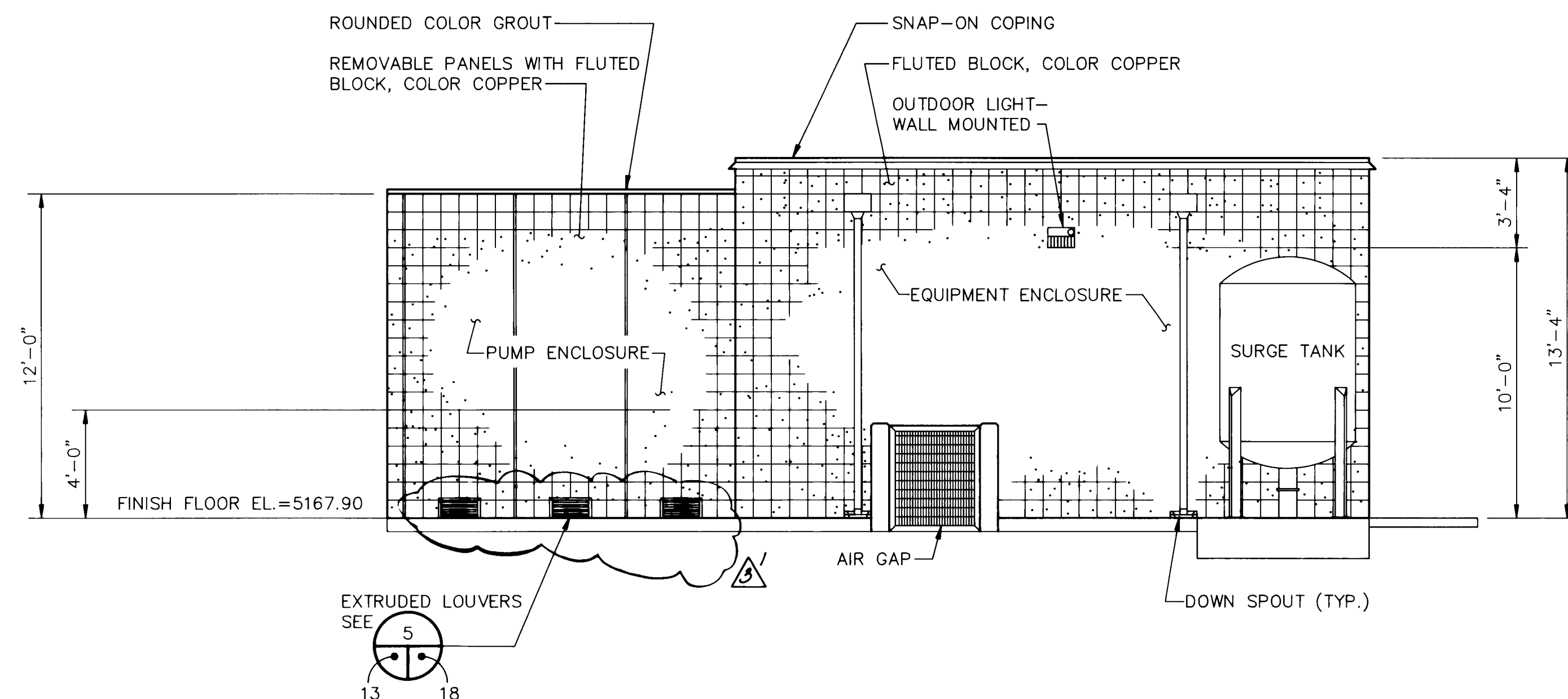
SOUTH ELEVATION

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



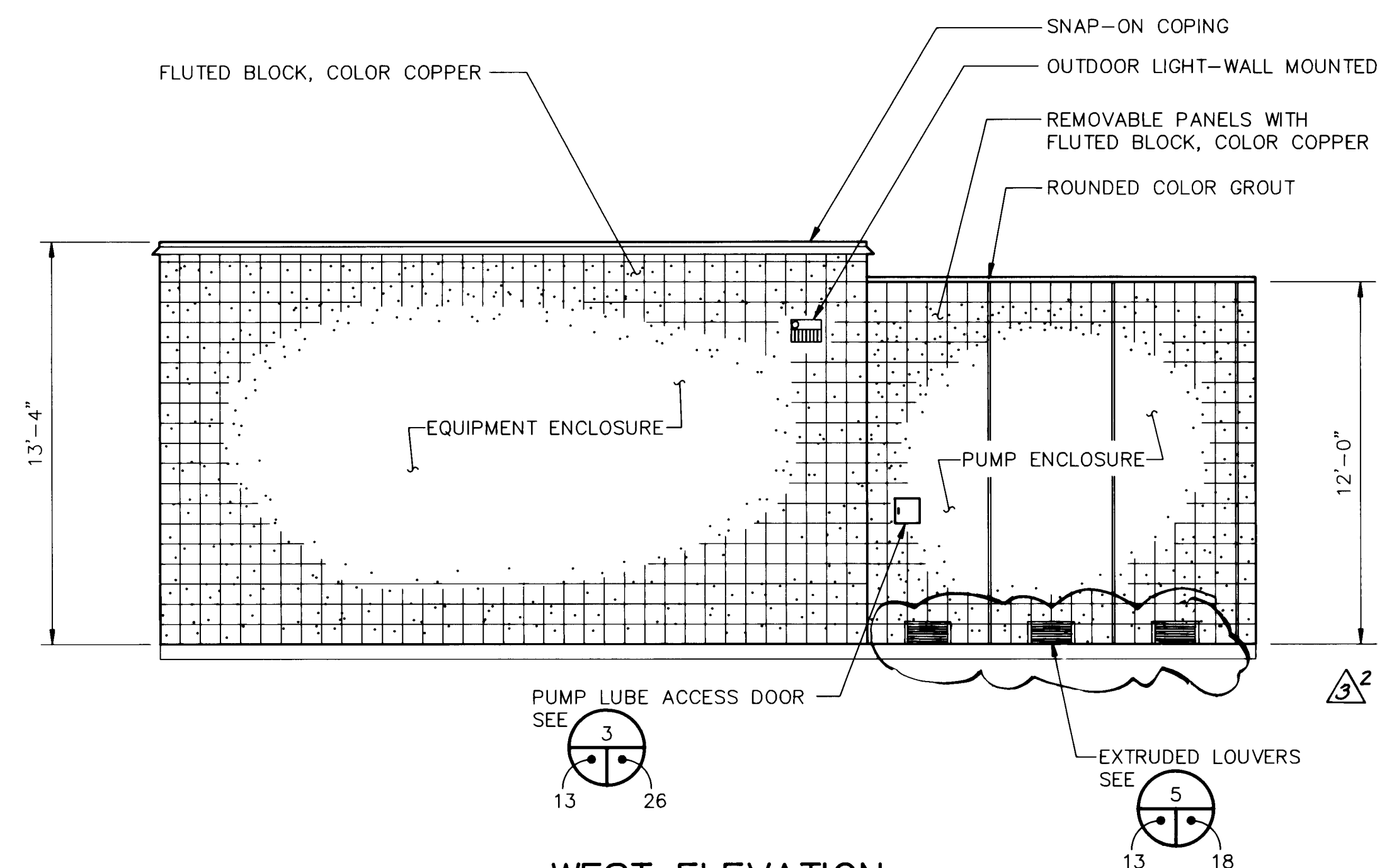
PANEL LIFTER DETAIL

NOT TO SCALE



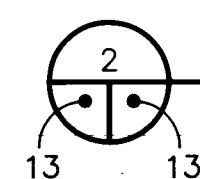
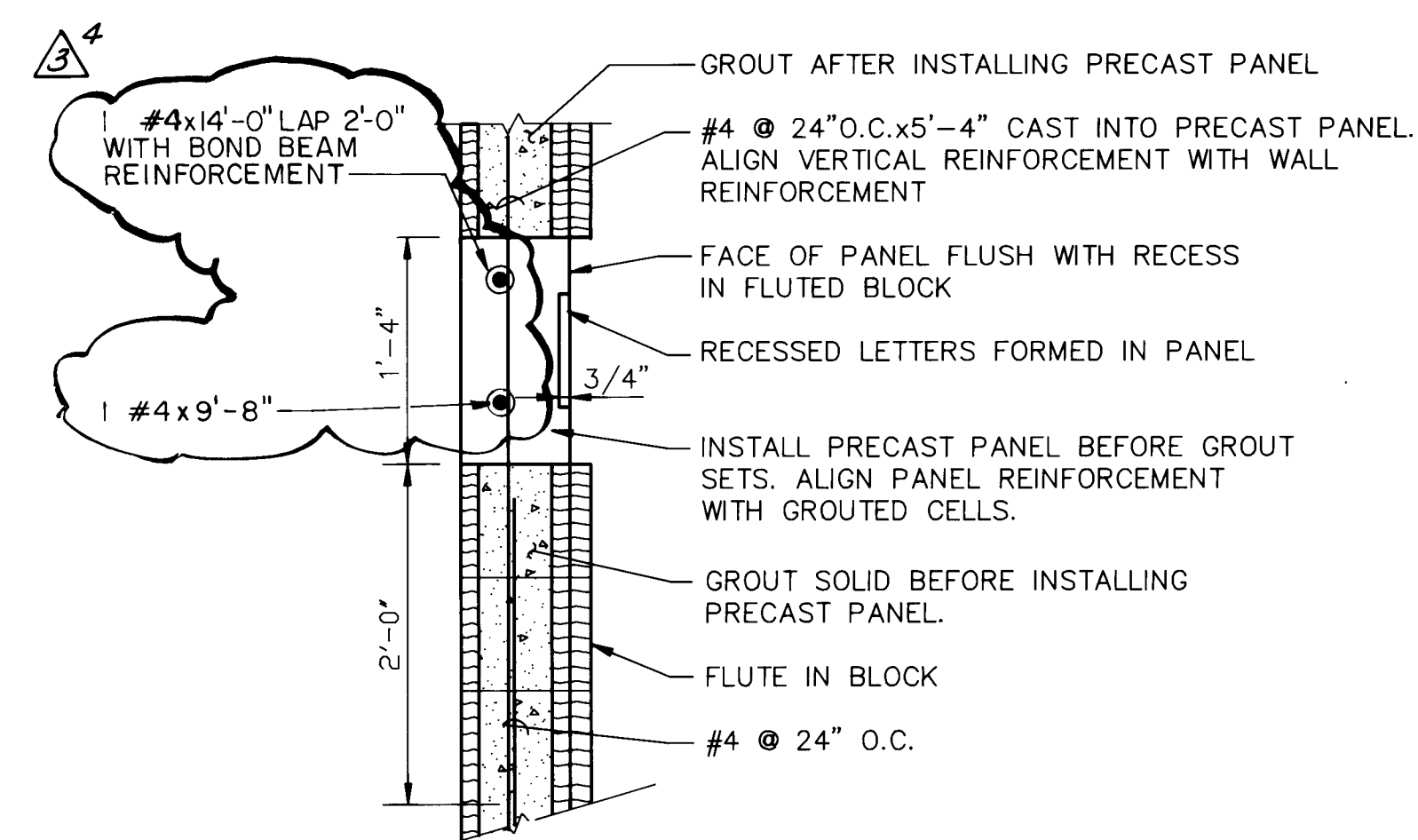
EAST ELEVATION

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



WEST ELEVATION

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



SECTION

NOT TO SCALE

RECORD DRAWING
Date JUN 23 1993

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

48/Z91013.13CD2/ZAMOELEV/8-24-92/TJL

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:	ZAMORA WELL NO. 1 ELEVATIONS
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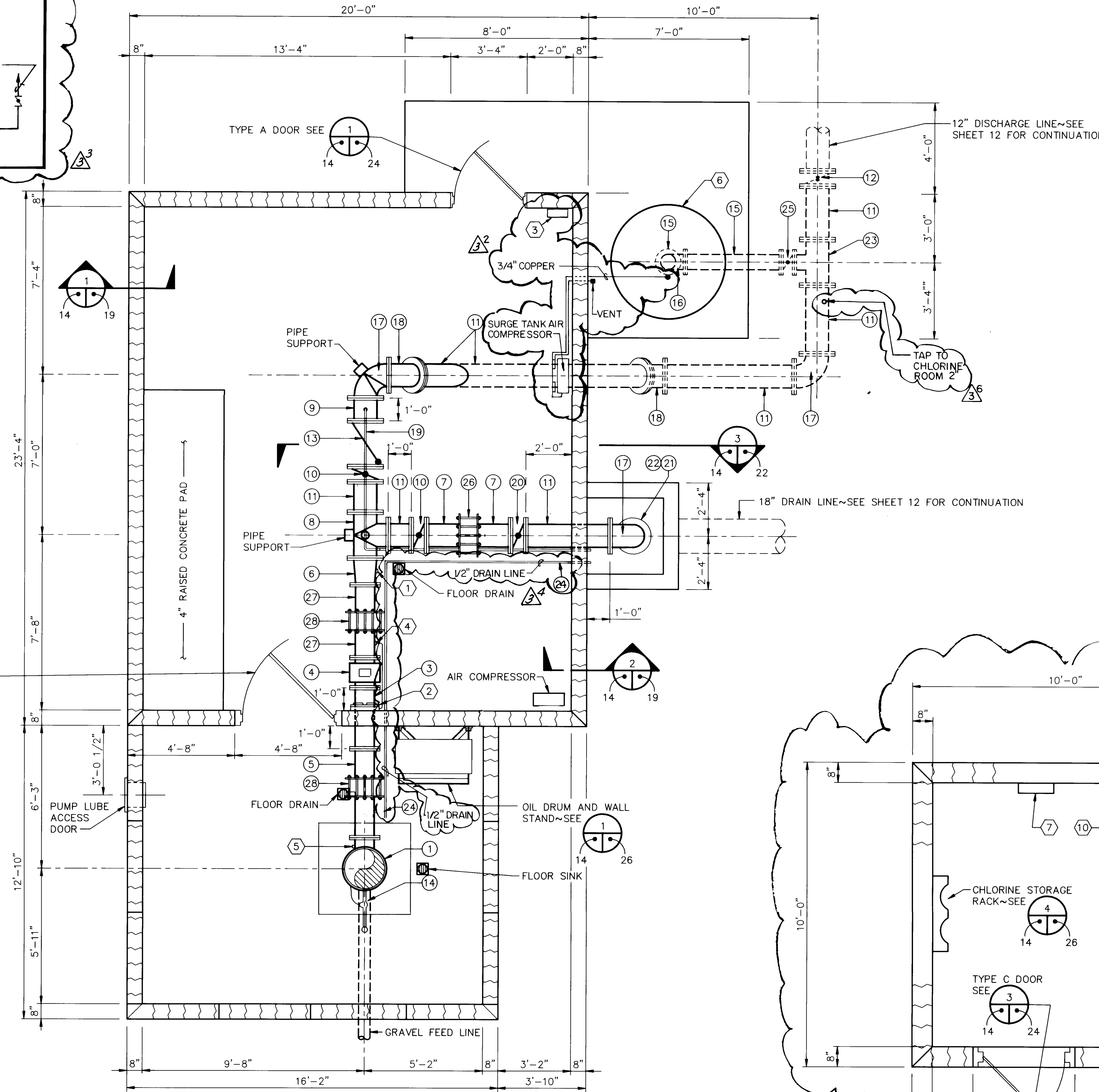
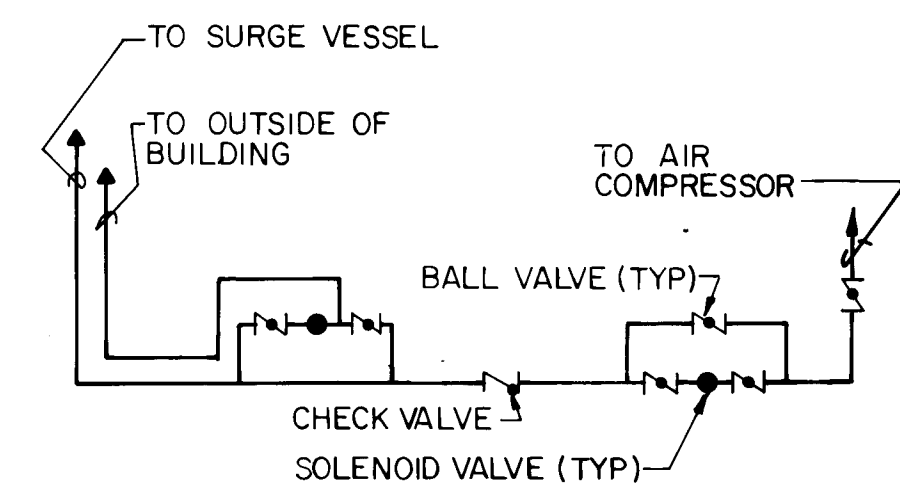
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>		WATER	<i>R.W. Kane</i>	<i>9-2-92</i>
TRANSPORTATION	<i>R.W. Kane</i>	<i>9-8-92</i>	WASTE WATER	<i>R.W. Kane</i>	<i>9-2-92</i>
HYDROLOGY	<i>CAM</i>	<i>9-8-92</i>			

PROJECT NO.	4395.91	MAP NO.	E-10	SHEET	13	OF	31
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APPROVAL OF RECORD DRAWING
Project Engineer
[Signature]
Date: FEB 11 1992

SCANNED BY
BY LASON

SURGE TANK-AIR COMPRESSOR PIPING



TEMP. CONFIGURATION

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

NOTES:
INSTALL TEMP. CONFIGURATION PIPING AND VALVE FOR FLUSHING. REMOVE VALVE AND SPOOL (2 & 3) AND DELIVER TO OWNER AFTER COMPLETION OF FLUSHING AS DIRECTED BY THE ENGINEER. INSTALL FLANGED SPOOLS AND DRESSER STYLE COUPLING (5, 27 & 28) IN PERMANENT CONFIGURATION SHOWN TO LEFT. SEE SHEET E3 FOR OIL DRIPPER SYSTEM SCHEMATIC.

FLOOR AND PIPING PLAN

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

TEMP. CHLORINATION BLDG.

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

NOTE:
REFER TO MECHANICAL DRAWINGS FOR INTERNAL DETAILS. SEE SHEETS M-1 & M-2 FOR MODIFICATIONS

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: FEB 11 1992

PIPE FITTING SCHEDULE

NO	DESCRIPTION
1	PUMP MOTOR AND DISCHARGE HEAD
2	10" BUTTERFLY VALVE (FLXFL)
3	10" SPOOL (FLXFL)
4	10" FLOW METER (FLXFL)
5	10" SPOOL (FLXPE) WITH HOSE BIB PLACED AT SPRINGLINE OF PIPE
6	10"x12" REDUCER (FLXFL) BOSS ROTATE DOWN 30° FROM HORIZONTAL
7	12" SPOOL (FLXPE) WITH ADJUSTABLE PIPE SUPPORT
8	12"x12"x12" TEE (FLXFLXFL) WITH 2" TAP ON TOP FOR AIR RELEASE LINE
9	12" SPOOL (FLXFL) WITH 2" TAP ON TOP FOR AIR RELEASE LINE
10	12" MOTORIZED BUTTERFLY VALVE (FLXFL)
11	12" SPOOL (FLXFL)
12	12" BUTTERFLY VALVE (FLXFL) WITH TYPE "B" VALVE CAN
13	12" SLANTING DISC CHECK VALVE (FLXFL)
14	PIPE AS NECESSARY FOR LUBE OIL DRIPPER TEMPERATURE COMPENSATOR
15	8" SPOOL (FLXFL)
16	8"x90° BEND (FLXFL)
17	12"x90° BEND (FLXFL)
18	12"x45° BEND (FLXFL)
19	DRAIN LINE
20	12" BUTTERFLY VALVE (FLXFL) WITH LOCKING DEVICE ON VALVE WHEEL
21	1"x1/8" EXPANDED METAL MESH
22	12" MATING FLANGE
23	12"x12"x8" TEE (FLXFL)
24	PIPE MOTOR THRUST BEARING COOLING LINE TO AIR GAP STRUCTURE
25	8" BUTTERFLY VALVE (FLXFL) WITH TYPE "B" VALVE CAN
26	12" DRESSER COUPLING WITH RESTRAINTS. SEE 6
27	10" SPOOL (FLXPE)
28	10" DRESSER COUPLING WITH RESTRAINTS. SEE 6

EQUIPMENT SCHEDULE

NO	DESCRIPTION
1	FLOW ELECTRODE. TAP LOCATION 30° BELOW HORIZONTAL
2	PRESSURE SWITCH AND GAUGE.
3	FIRE EXTINGUISHER
4	PRESSURE DETECTOR. TAP LOCATION 20° BELOW HORIZONTAL
5	1/4" TAP AND BALL VALVE PLACED AT SPRING LINE OF PIPE
6	SURGE VESSEL
7	CHLORINE DETECTOR
8	CHLORINE SCALE
9	RAMP, SEE 5
10	BOOSTER PUMP
11	CHLORINE INJECTOR
12	CHLORINATOR

26 4395 91 1494

RECORD DRAWING
JUN 23 1992

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

32/291013.13CD1/ZFLRPIP/8-27-92/MRL

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
ZAMORA WELL NO. 1
FLOOR AND PIPING PLAN AND
TEMPORARY CHLORINATION BUILDING FLOOR PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	A. C.		WATER	R.W. Kane	9-2-92
TRANSPORTATION	M. A. H.	9-8-92	WASTE WATER	R.W. Kane	9-2-92
HYDROLOGY	CAM	9-8-92			

PROJECT NO. 4395.91 **MAP NO.** E-10 **SHEET** 14 **OF** 31



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

APPROVAL OF RECORD DRAWINGS
Project Engineer
John C. Gendron
Date: FEB 11 1984

SCANNED BY
BY LASON

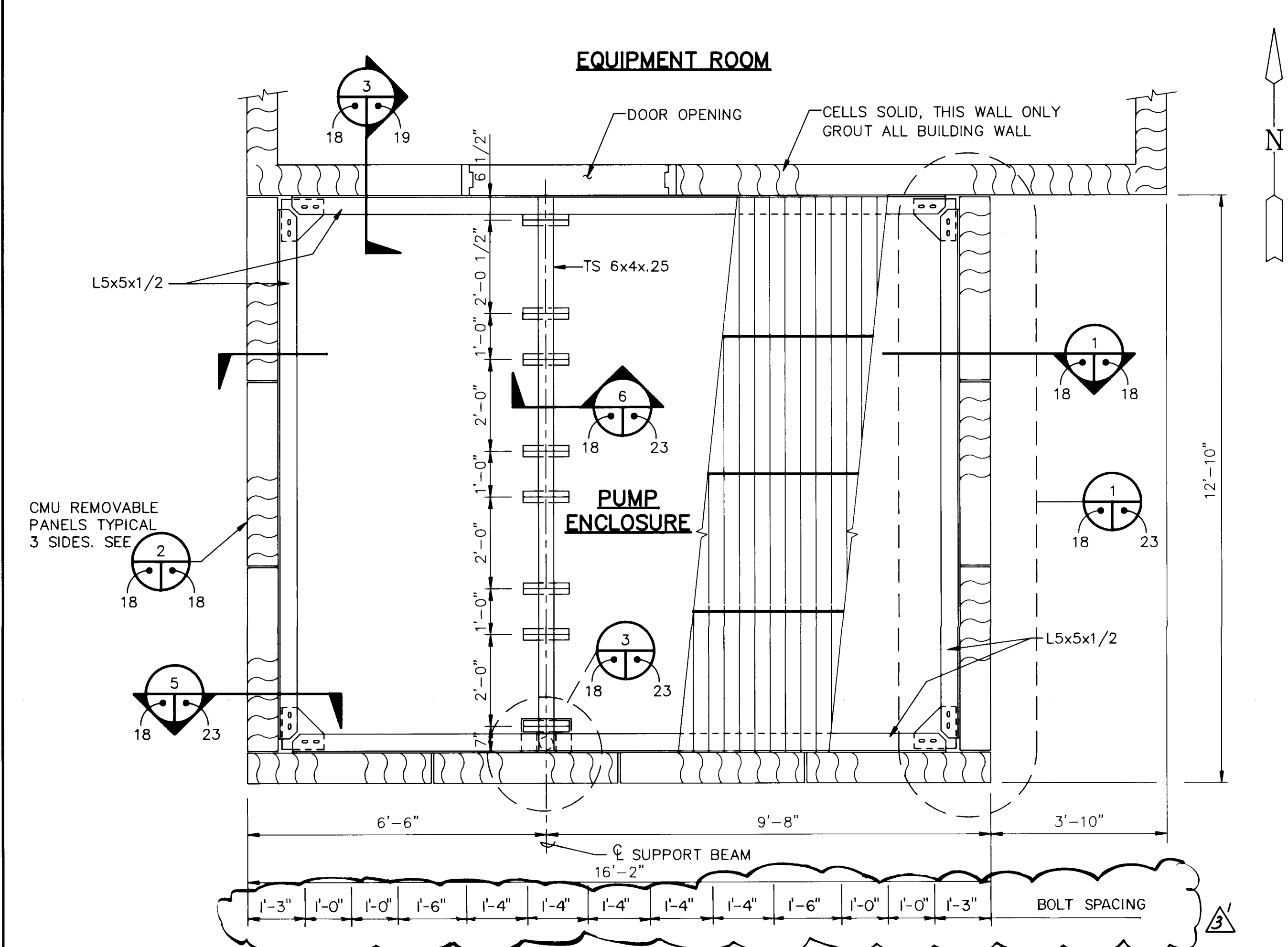
Date JUN 23 1993
These drawings have been revised based
on field data and every reasonable attempt
has been made to depict construction as
actually performed.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

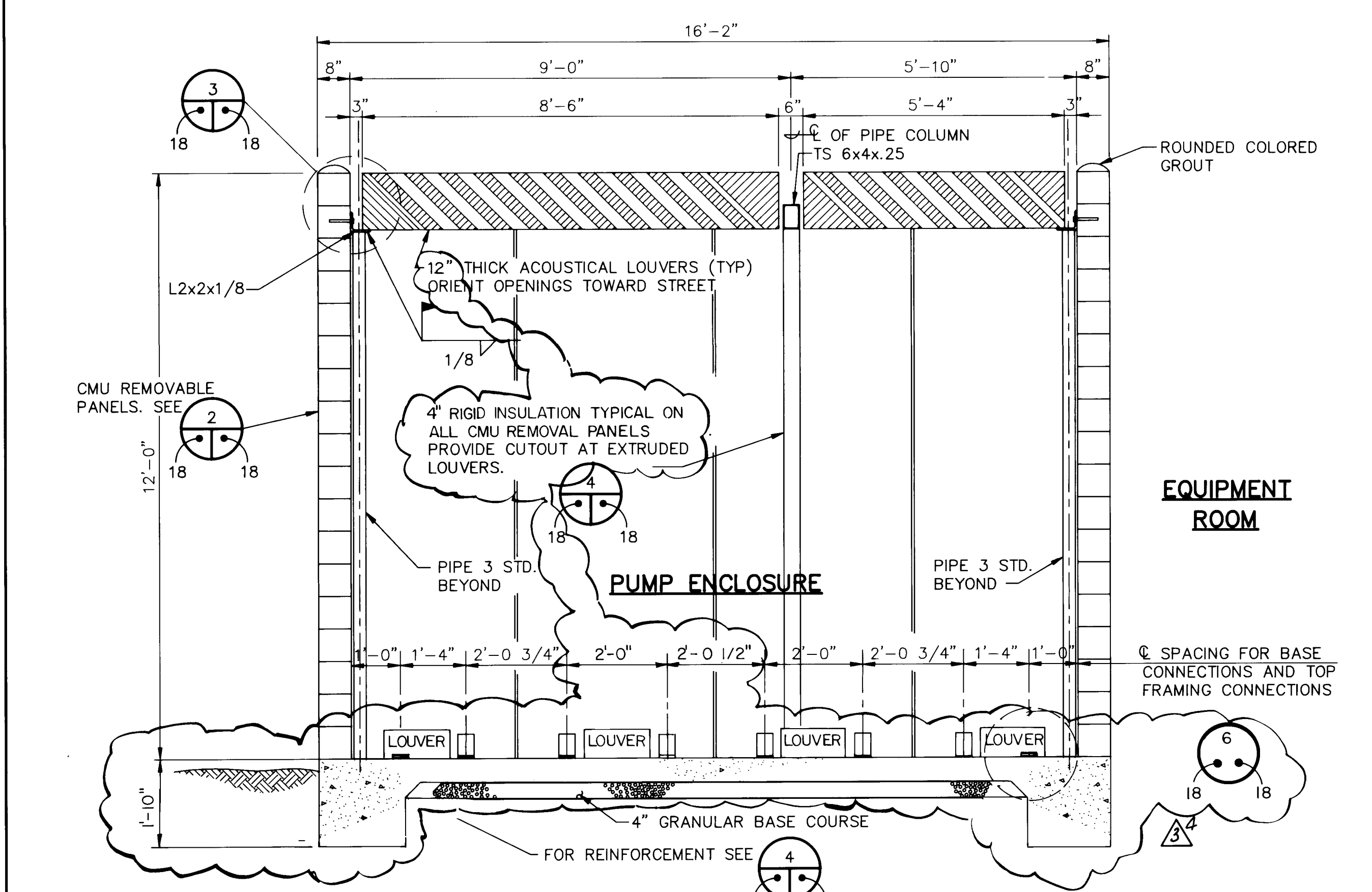
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>N/A</i>		WATER	<i>R.W. Kane</i>	<i>9-2-92</i>
TRANSPORTATION	<i>N/A</i>	<i>7-8-92</i>	WASTE WATER	<i>R.W. Kane</i>	<i>9-2-92</i>
HYDROLOGY	<i>CAAM</i>	<i>9-8-92</i>			

PROJECT NO.	4395.91	MAP NO.	E-10	SHEET	16	OF	31
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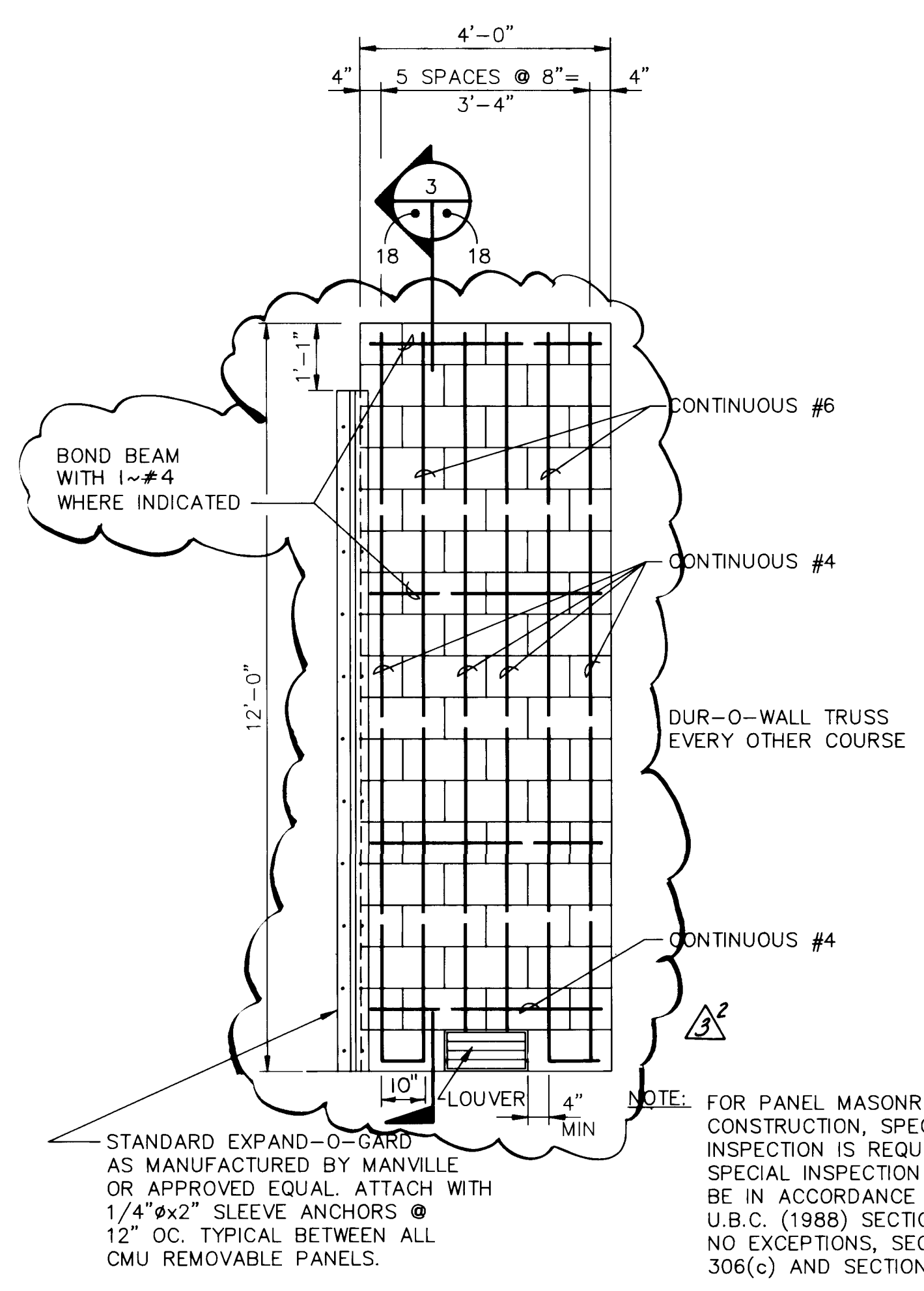
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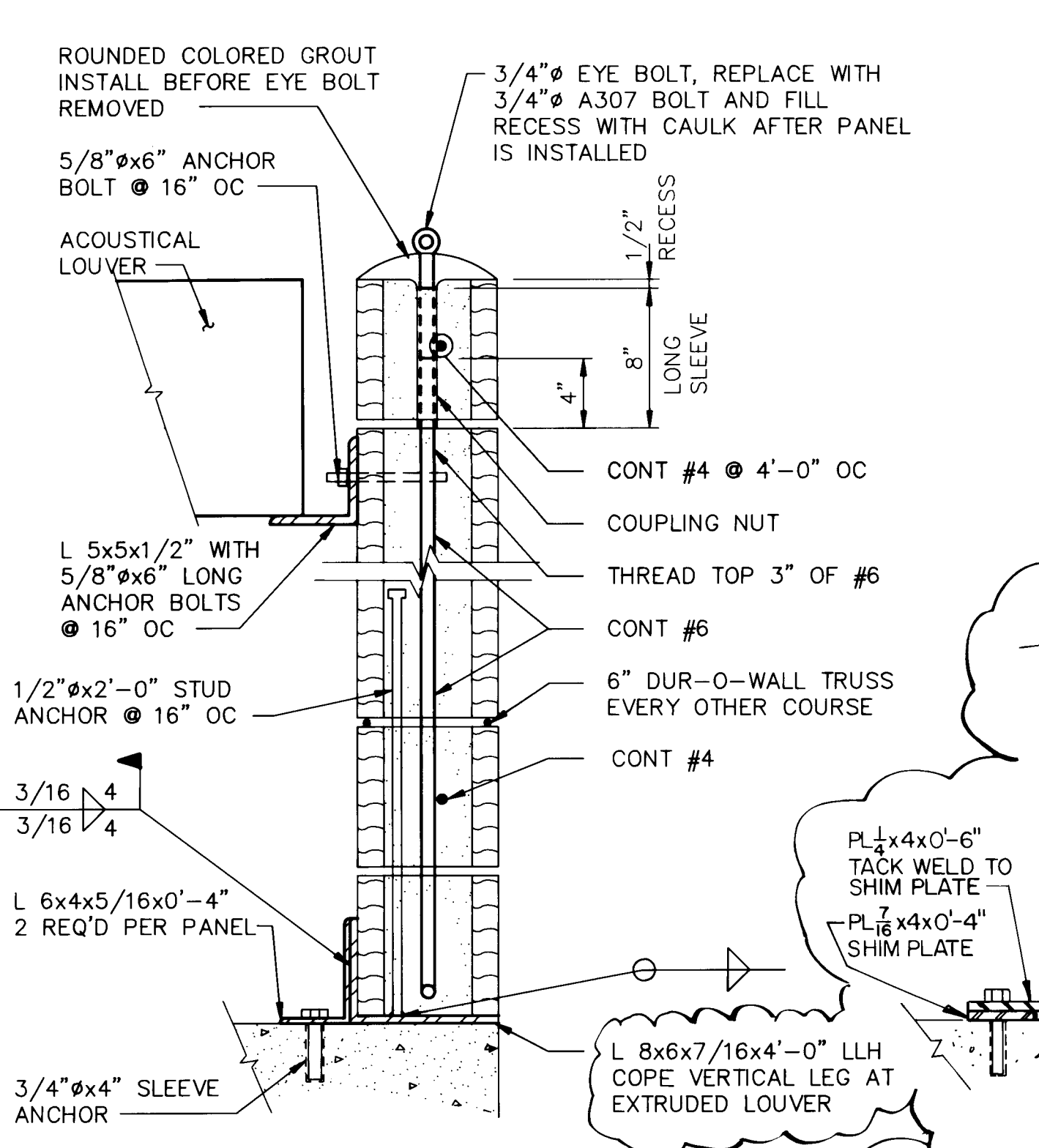
FRAMING PLAN
SCALE: 1/2"=1'-0"



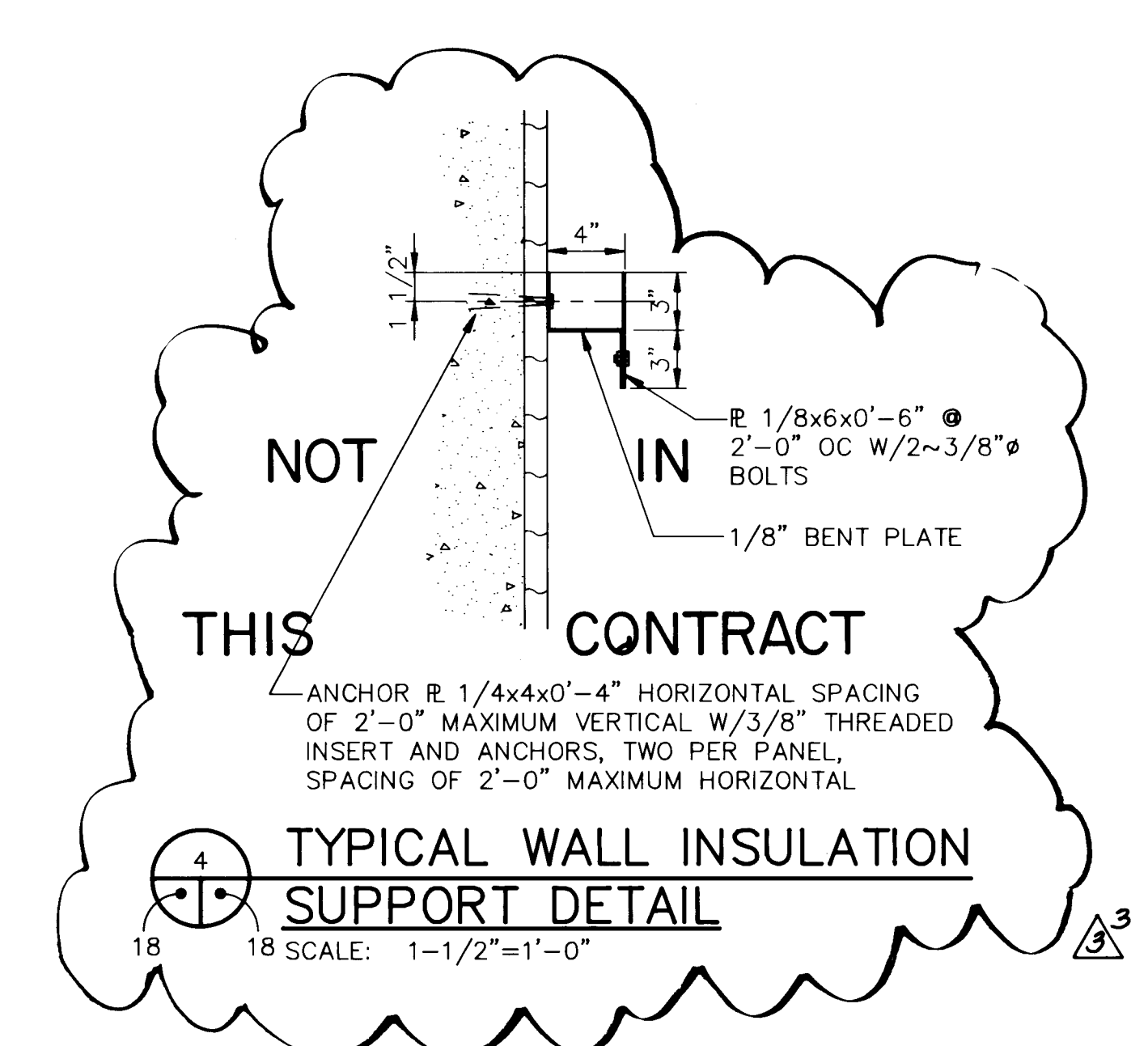
SECTION 1
SCALE: 1/2"=1'-0"



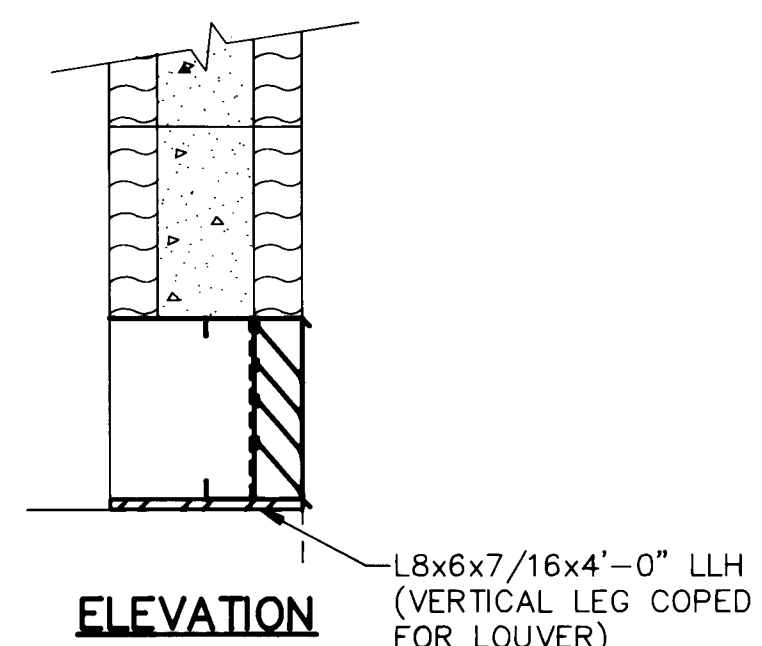
SECTION 2
SCALE: 1/2"=1'-0"



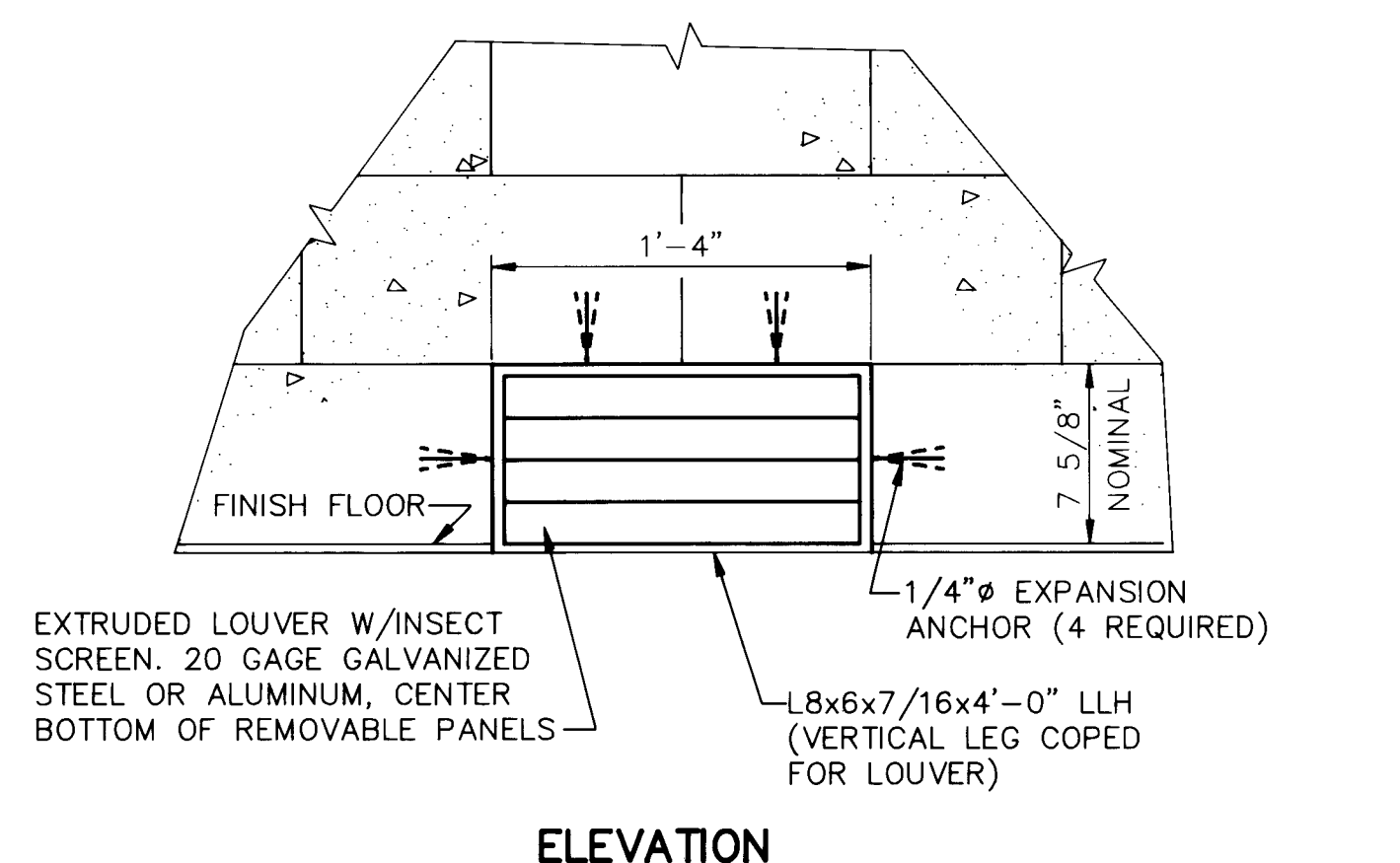
SECTION 3
SCALE: 1-1/2"=1'-0"



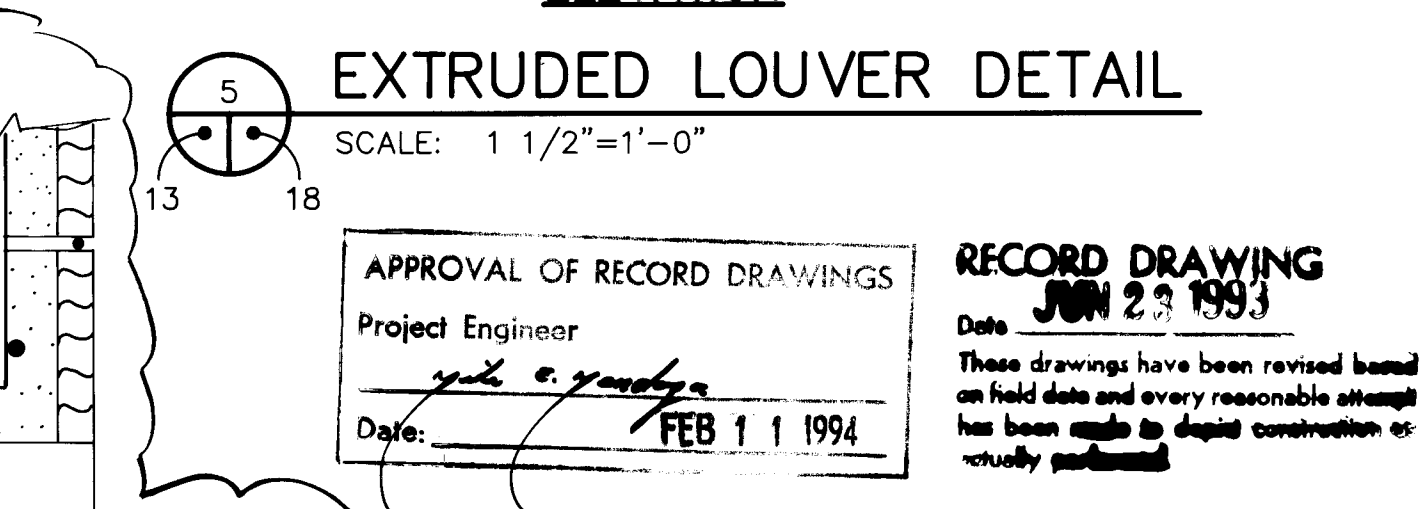
TYPICAL WALL INSULATION SUPPORT DETAIL
SCALE: 1-1/2"=1'-0"



ELEVATION



ELEVATION



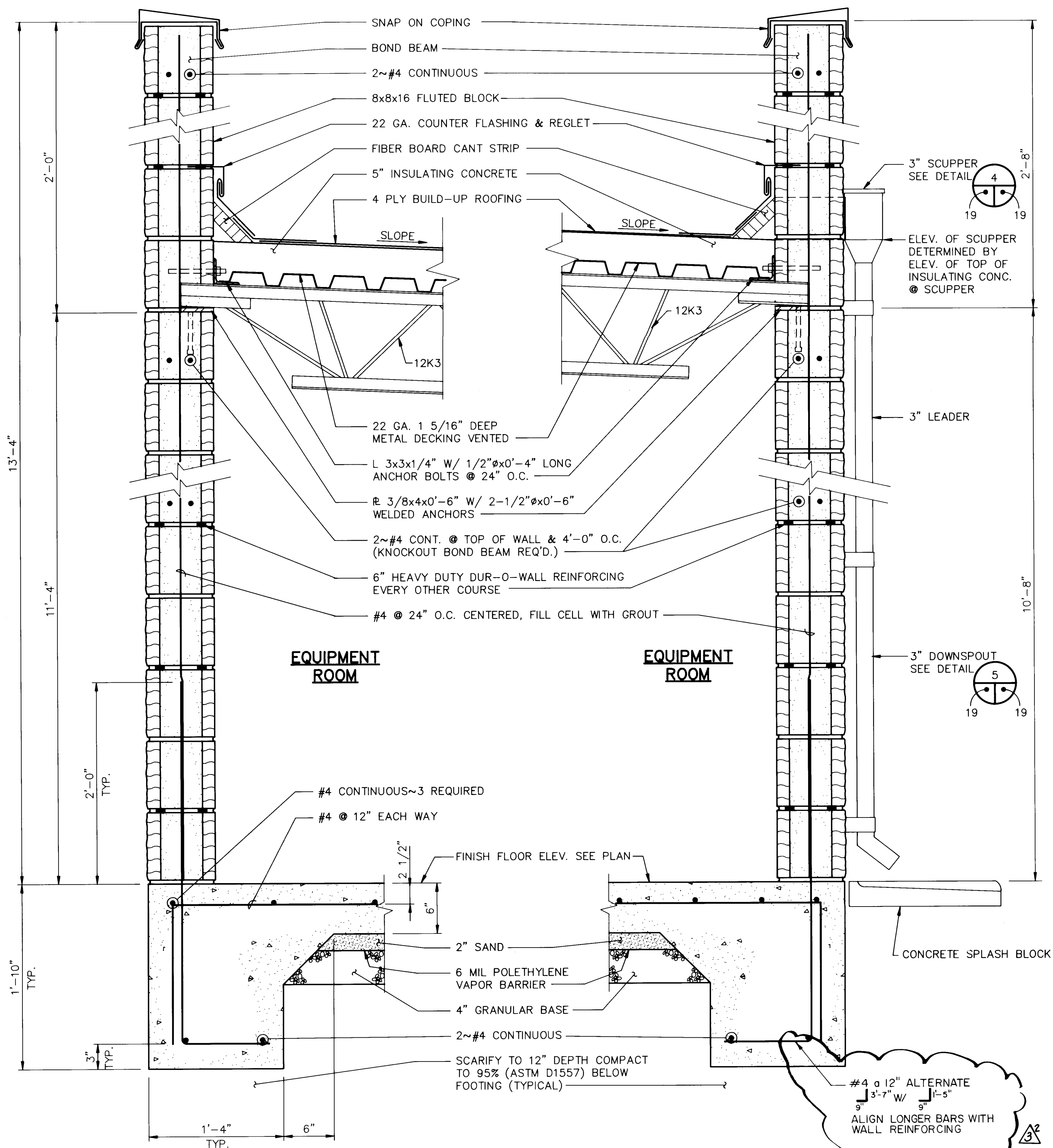
EXTRUDED LOUVER DETAIL
SCALE: 1 1/2"=1'-0"

APPROVAL OF RECORD DRAWINGS
Project Engineer: *[Signature]*
Date: FEB 11 1994

RECORD DRAWING
Date: JUN 23 1993
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

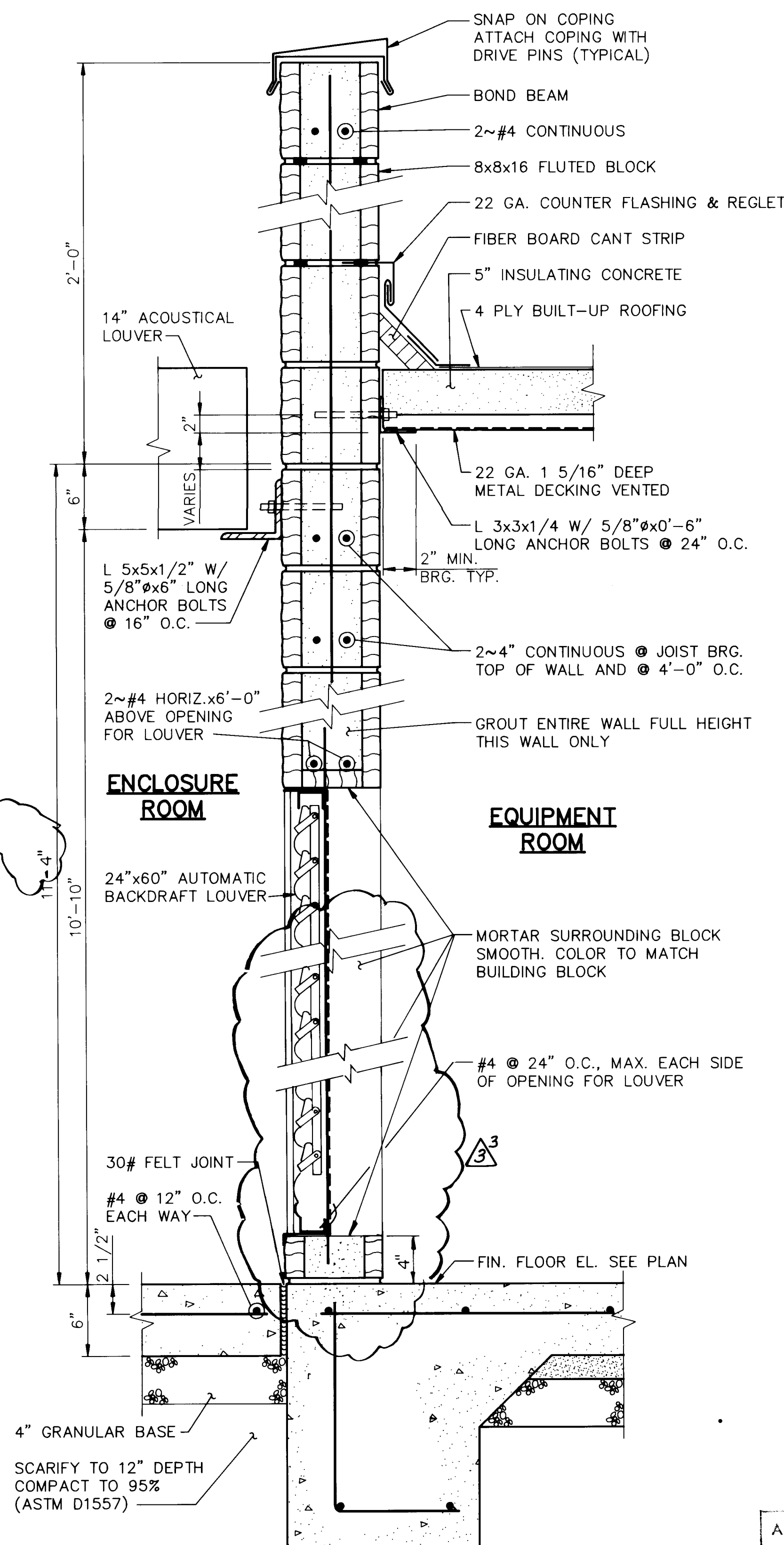
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: ZAMORA WELL NO. 1 PUMP ENCLOSURE FRAMING PLAN AND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>		WATER	<i>R.W. Kane</i>	9-2-92
TRANSPORTATION	<i>[Signature]</i>	9-8-92	WASTE WATER	<i>R.W. Kane</i>	9-2-92
HYDROLOGY	<i>AM</i>	9-8-92			
PROJECT NO.	4395.91	MAP NO.	E-10	SHEET	18 OF 31

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES				CONTRACTOR	
		NO.	BY	DATE			WORK ORDERED BY
							<i>MCC, Inc.</i>
							<i>MCC, Inc.</i>
NO. DATE		REMARKS		INSPECTOR'S ACCEPTANCE BY		DATE	
5 6/93		Record Drawing		L-H		DATE 12/92	
						INSPECTOR'S DATE	
						L-H	
						DATE 6/93	
						PERFORMANCE BY	
						L-H	
						DATE 6/93	
						DRAWINGS CORRECTED BY	
						L-H	
						DATE 6/93	
						MICRO-FILM INFORMATION	
						RECORDED BY	
						DATE	
						NO.	

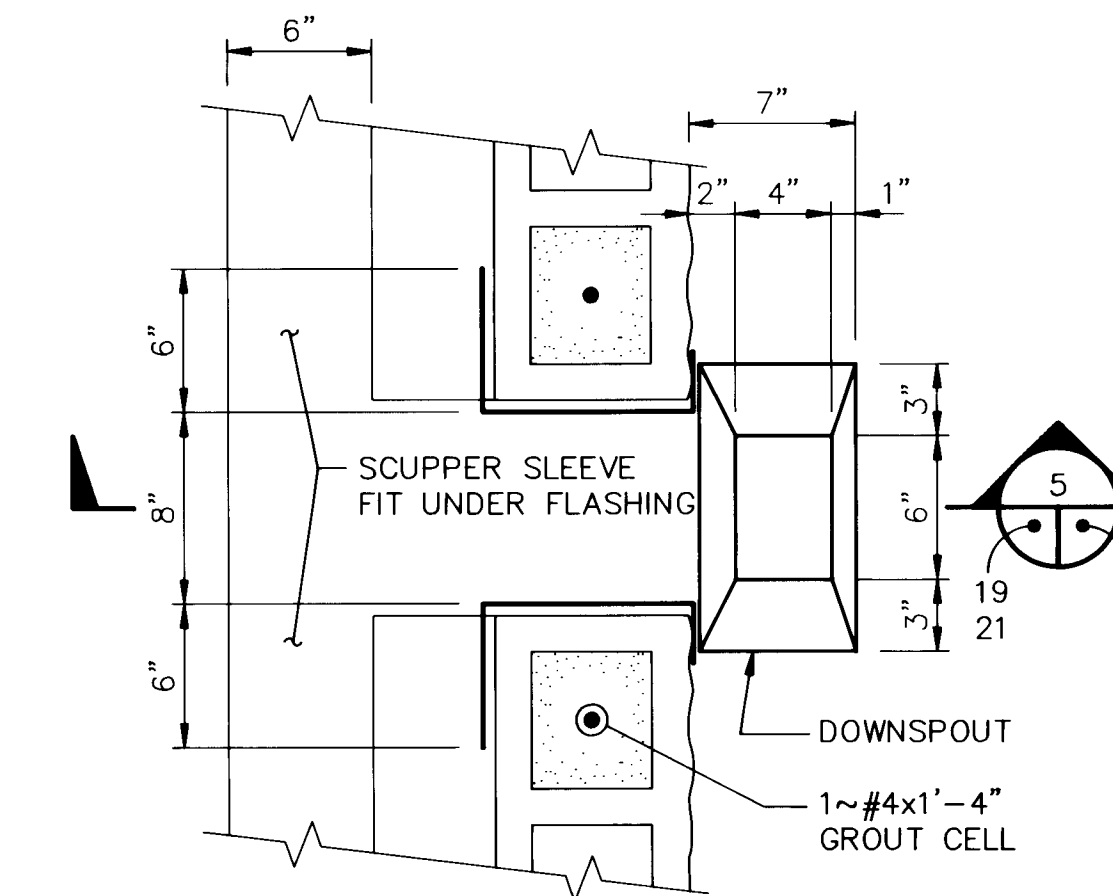


1 WALL SECTION
SCALE: 1 1/2"=1'-0"

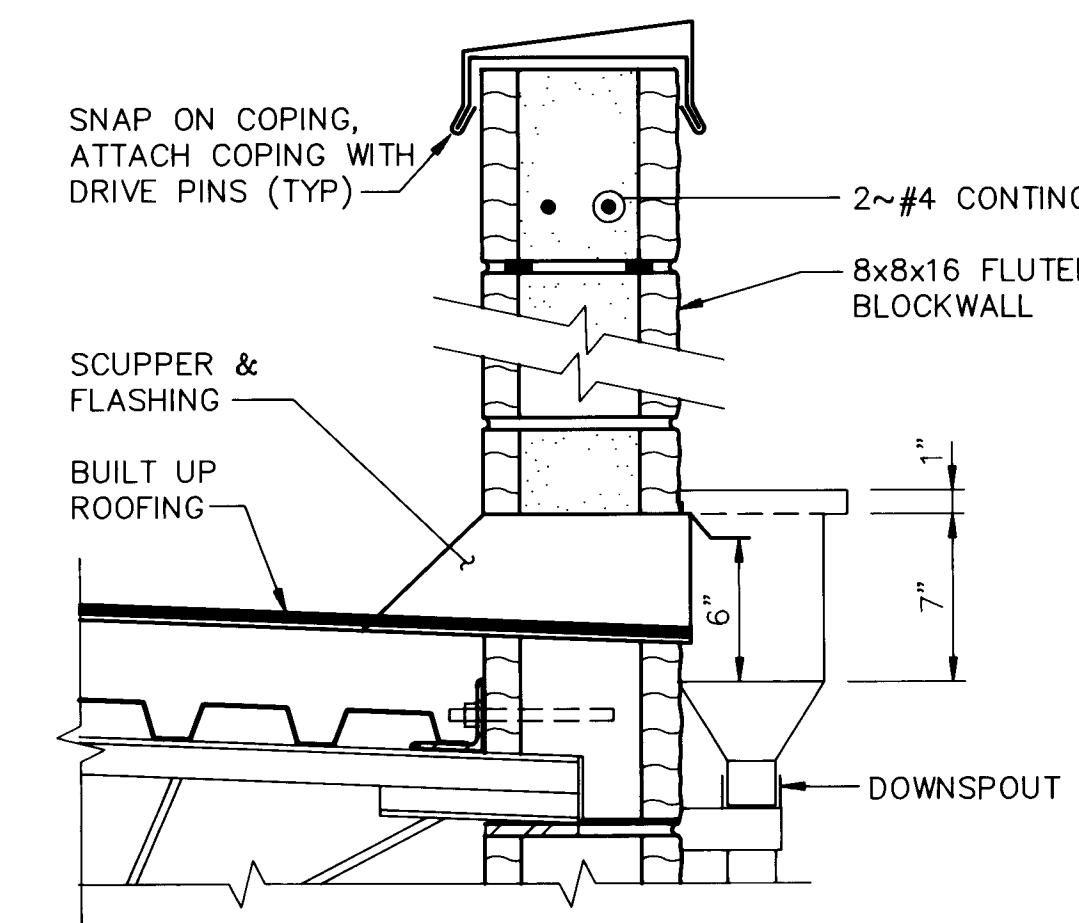
2 WALL SECTION
SCALE: 1 1/2"=1'-0"



3 WALL SECTION
SCALE: 1 1/2"=1'-0"



SCUPPER DOWNSPOUT PLAN
SCALE: 1 1/2"=1'-0"



SCUPPER DOWNSPOUT SECTION
SCALE: 1 1/2"=1'-0"

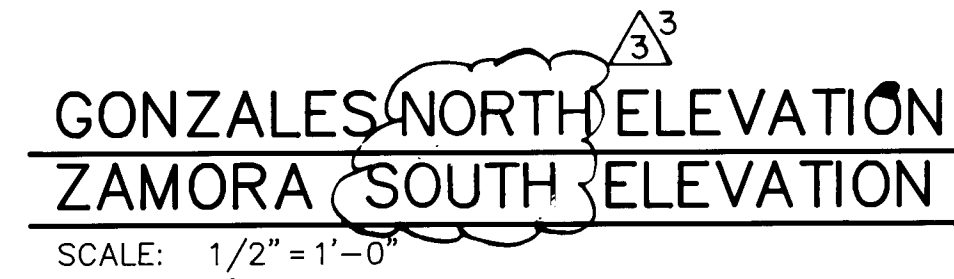
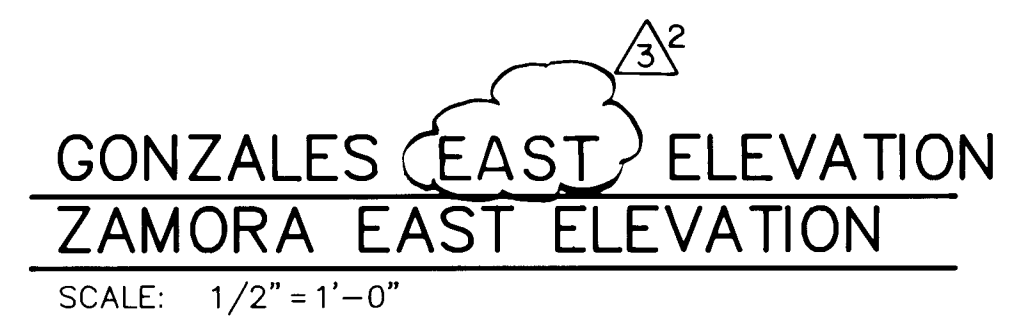
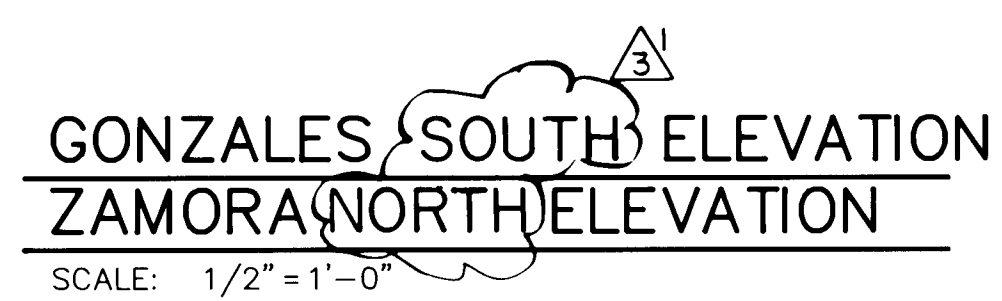
APPROVAL OF RECORD DRAWINGS
Project Engineer:
Date: FEB 11 1994

RECORD DRAWING
Date: JUN 23 1994
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 PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: ZAMORA WELL NO. 1 WALL SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. W. Kane	9-2-92	WATER	R. W. Kane	9-2-92
TRANSPORTATION	R. W. Kane	9-2-92	WASTE WATER	R. W. Kane	9-2-92
HYDROLOGY	R. W. Kane	9-2-92			
PROJECT NO.	4395.91	MAP NO.	E-10	SHEET	19 OF 31

SCANNED BY
BY LASON

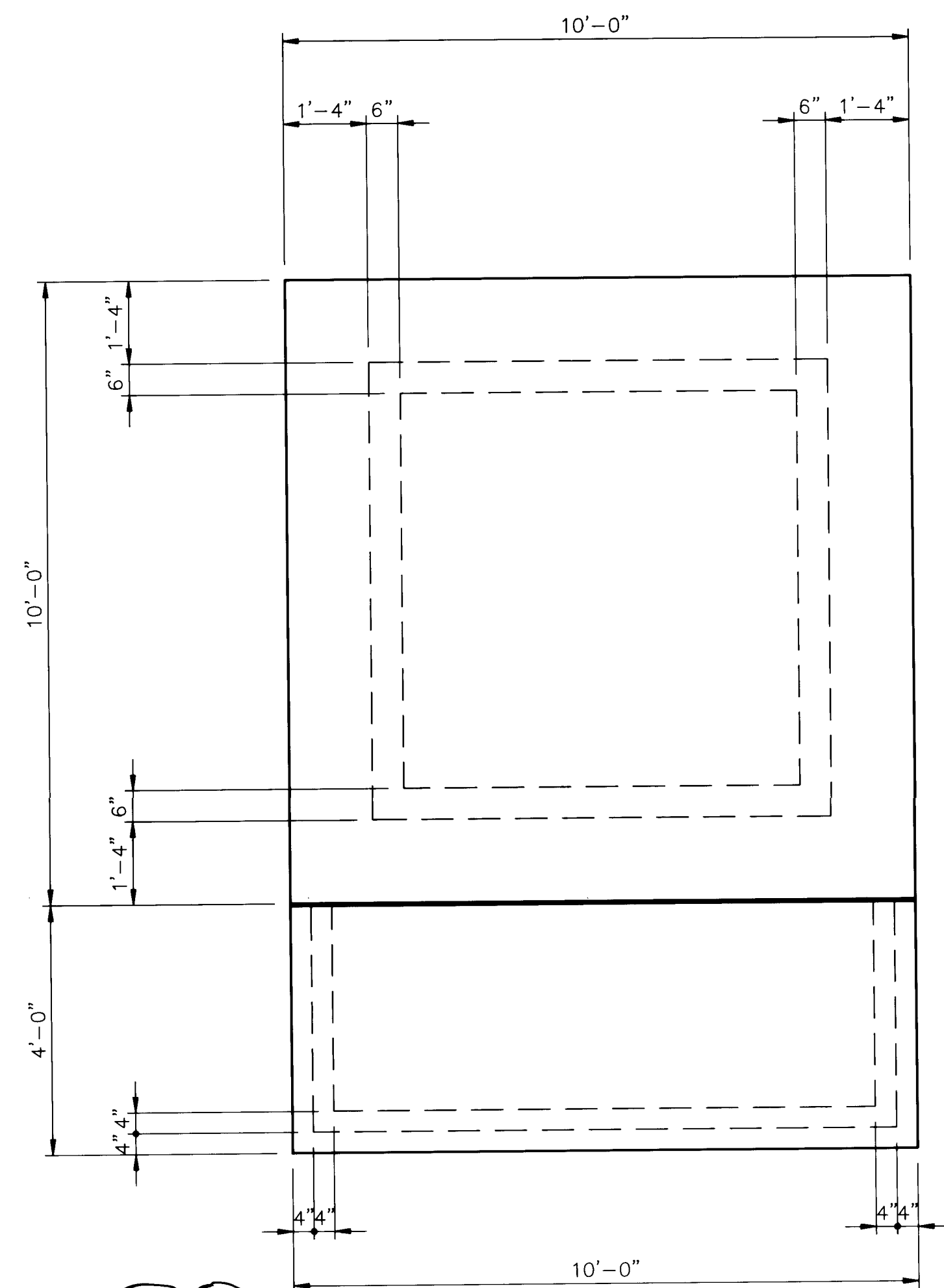
AS BUILT INFORMATION					
CONTRACTOR	MCC, Inc.	WORK	Water Supply	DATE	12/92
INSPECTOR	By L-H	DATE	6/93	FIELD	6/93
REVISIONS	BY L-H	DATE	6/93	CORRECTED BY L-H	6/93
MICRO-FILM INFORMATION					
RECORDED BY		NO.		DATE	
BENCH MARKS					
SURVEY INFORMATION					
FIELD NOTES	DATE	BY	NO.	DATE	BY
ENGINEER'S SEAL					
REVISIONS					
DESIGNED BY	E. WEBSTER	DATE	JUNE 1992	DRAWN BY	LH STAFF
CHECKED BY		DATE	JUNE 1992		



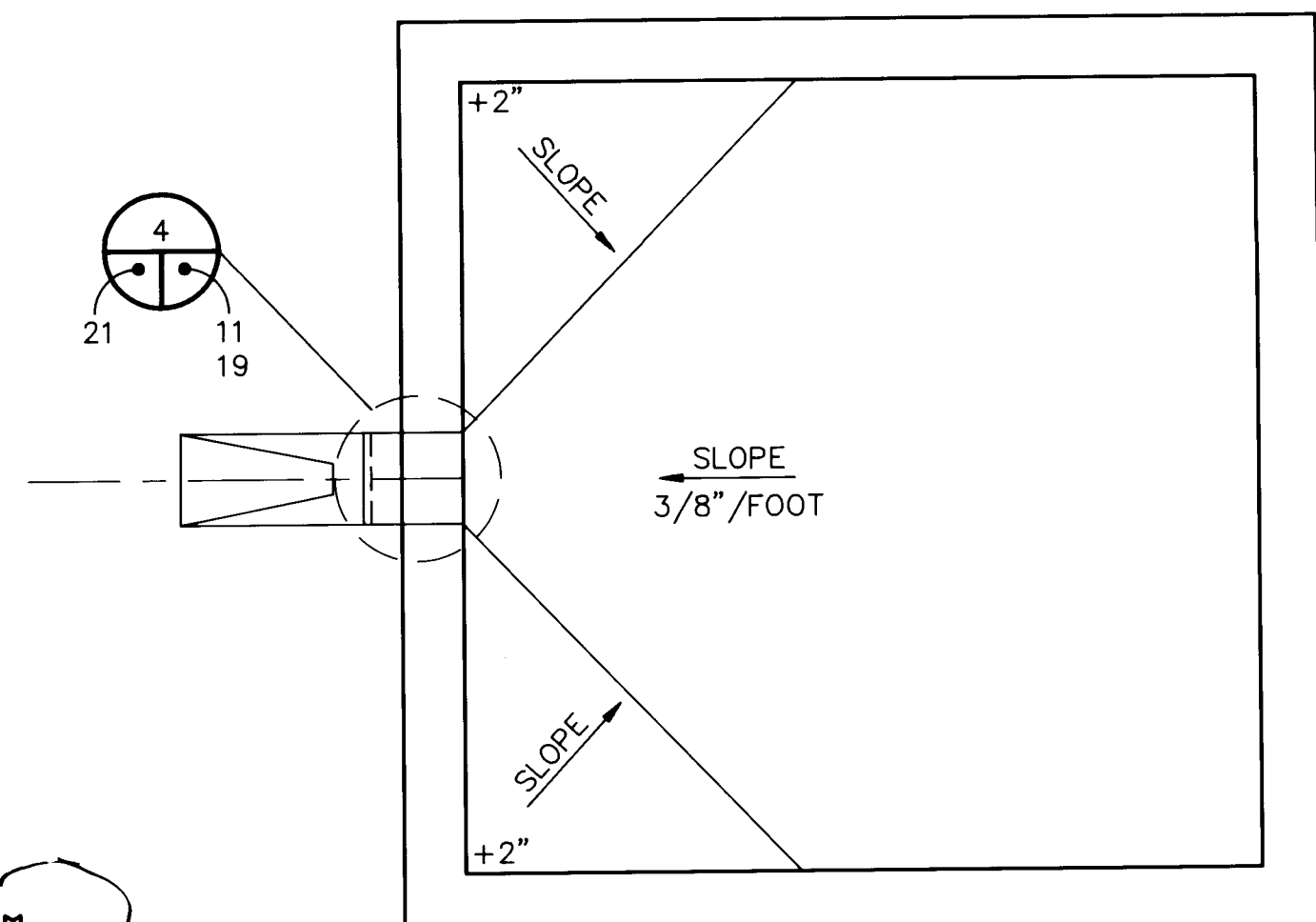
RECORD DRAWING
Date JUN 23 1993
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction actually performed.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP									
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 TEMPORARY CHLORINATION BUILDING ELEVATIONS									
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE				
DRC CHAIRMAN	<i>[Signature]</i>		WATER	<i>R.W. Kane</i>	<i>9-2-92</i>				
TRANSPORTATION	<i>A. C. J.</i>	<i>9-08-92</i>	WASTE WATER	<i>R.W. Kane</i>	<i>9-2-92</i>				
HYDROLOGY	<i>CAM</i>	<i>9-8-92</i>							
PROJECT NO. 4395.91			MAP NO. H-11 & E-10		SHEET 20		OF 31		

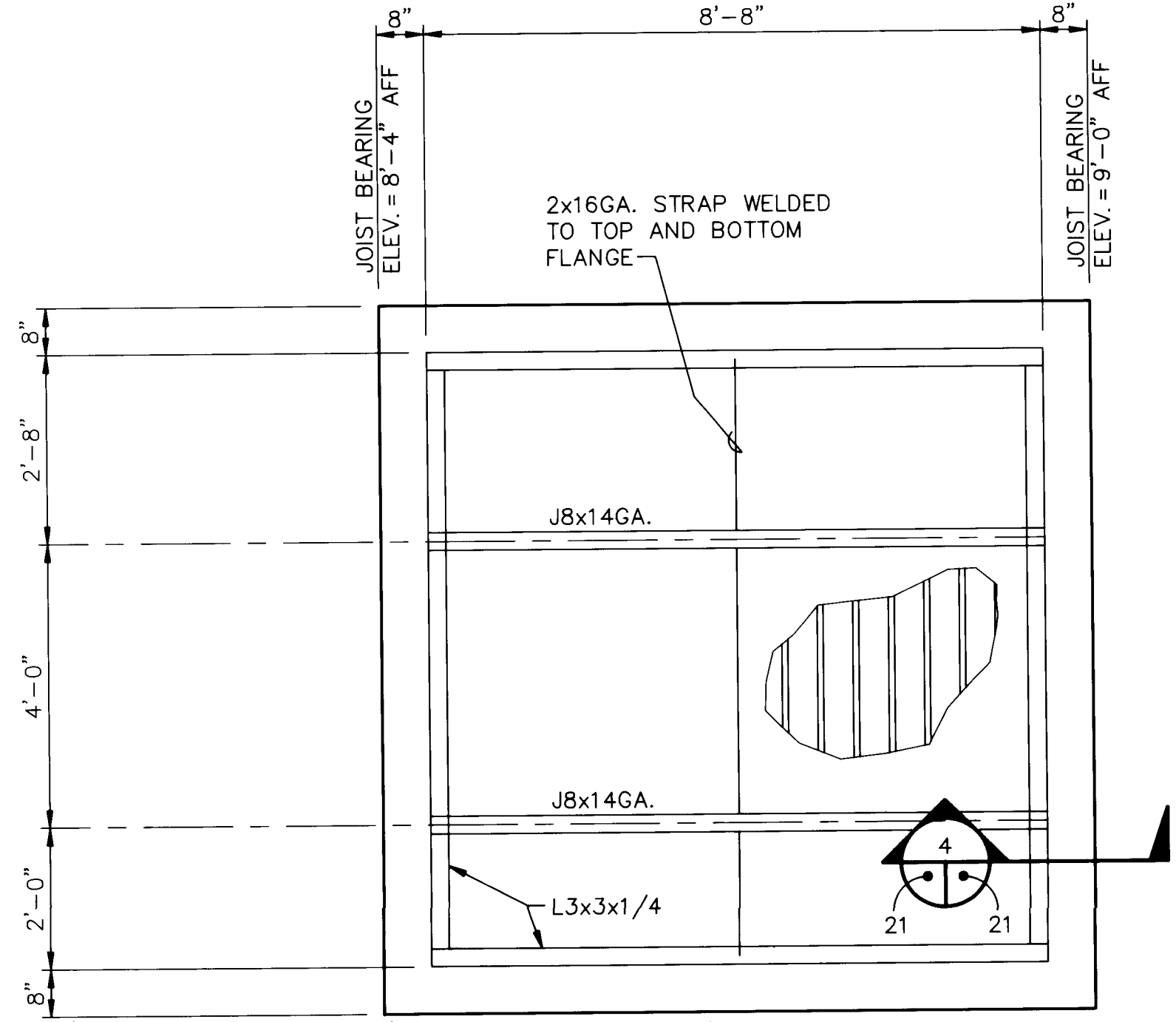
[illegible]



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

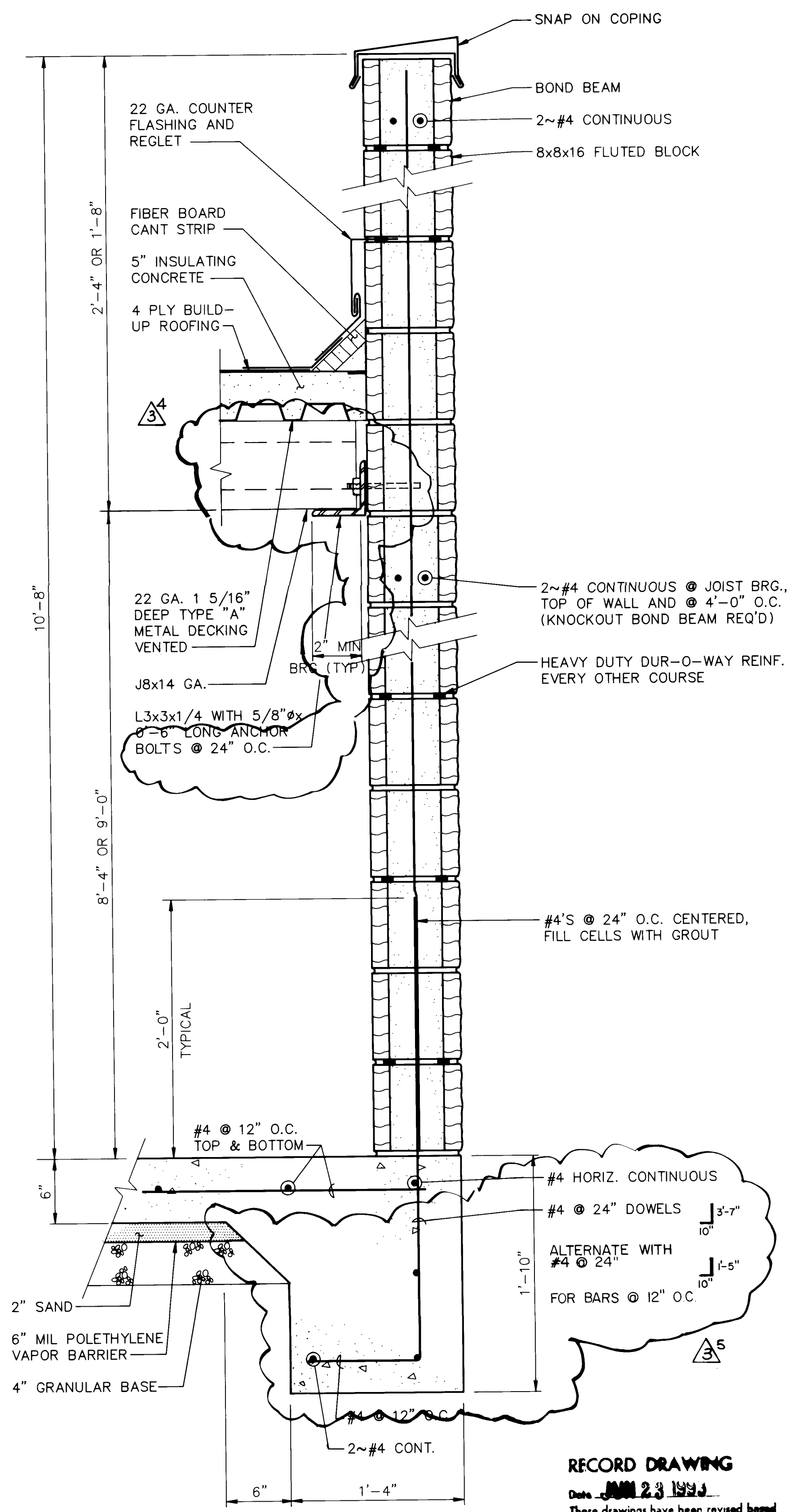


ROOF DRAINAGE PLAN
SCALE: 1/2" = 1'-0"



DECK NOTE:
ROOF DECK SHALL CONSIST OF 5" INSULATING CONCRETE OVER 22 GA. 1 5/16" DEEP VENTED TYPE "A" GALV. STEEL DECKING. FASTENED TO SUPPORTS WITH NO. 12 TEK SCREWS AT 12" O.C.

ROOF FRAMING PLAN
SCALE: 1/2" = 1'-0"



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

RECORD DRAWING
Date: 2/23/92
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

APPROVAL OF RECORD DRAWINGS
Project Engineer: [Signature]
Date: FEB 11 1992

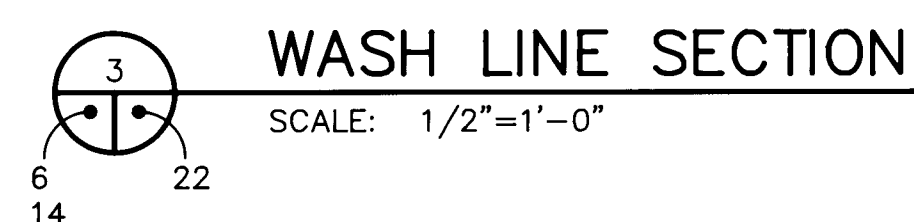
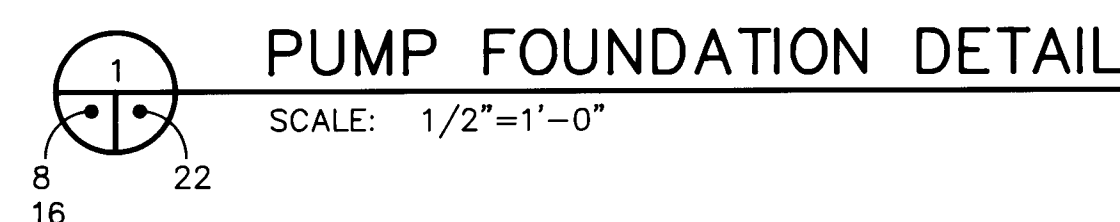
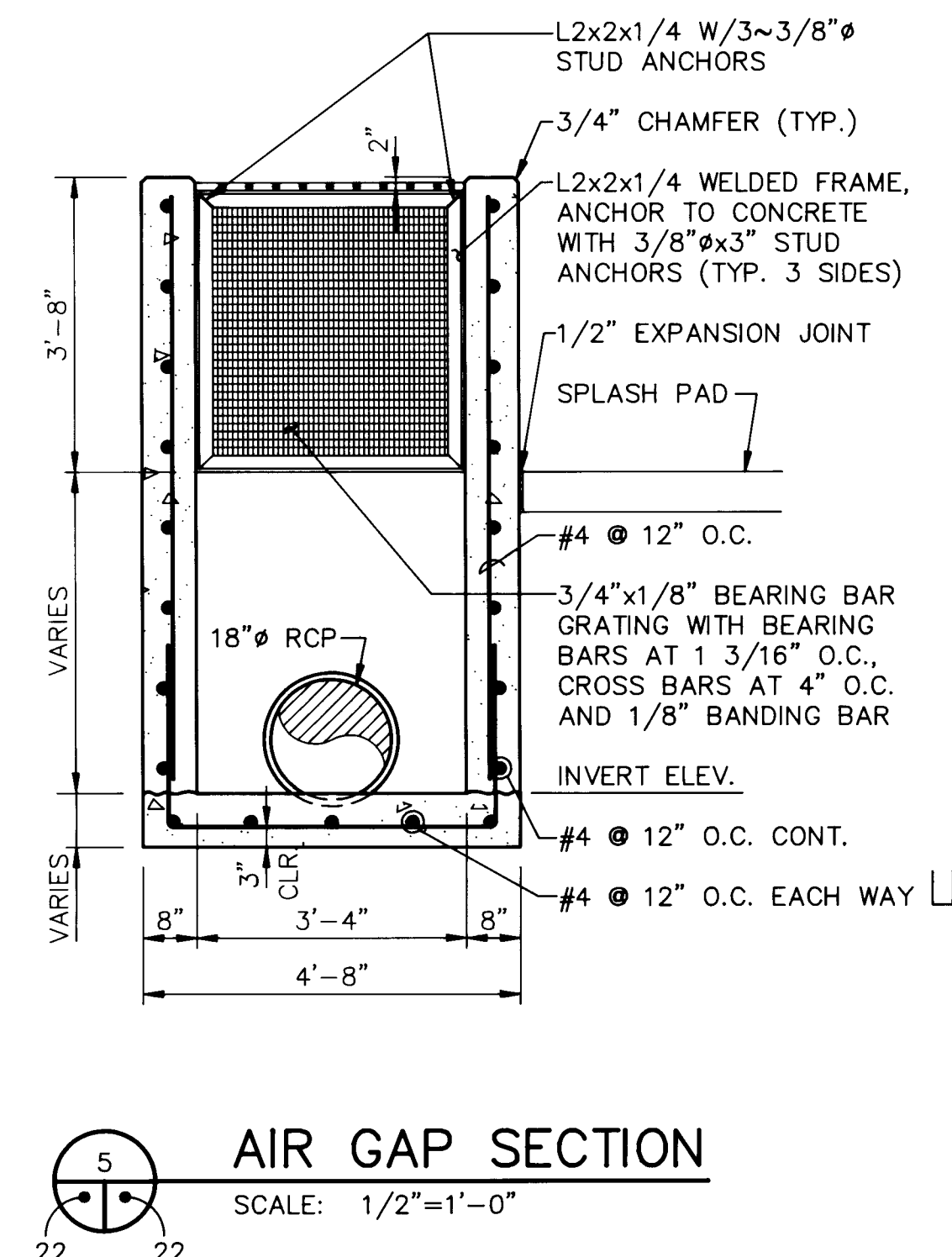
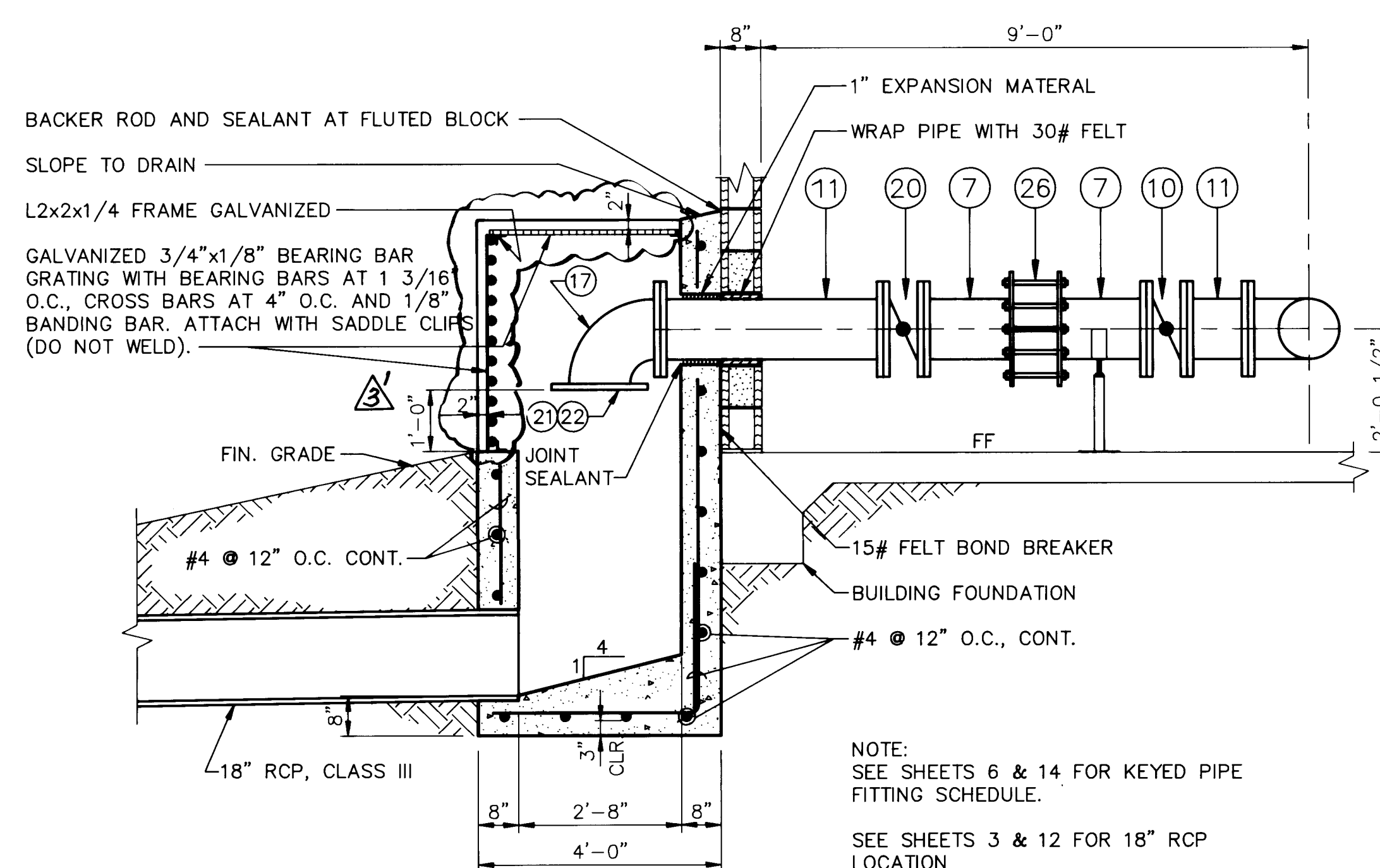
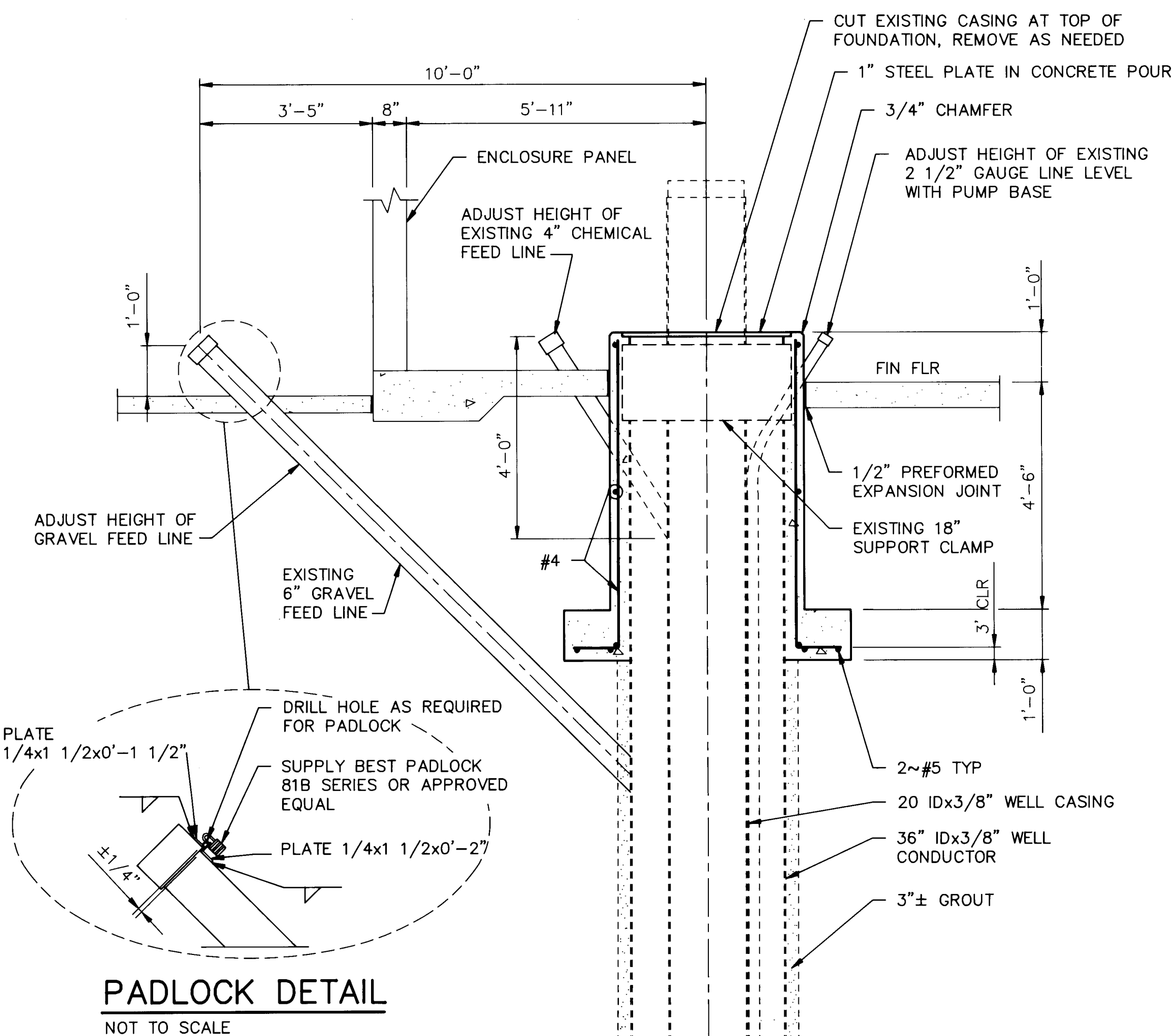
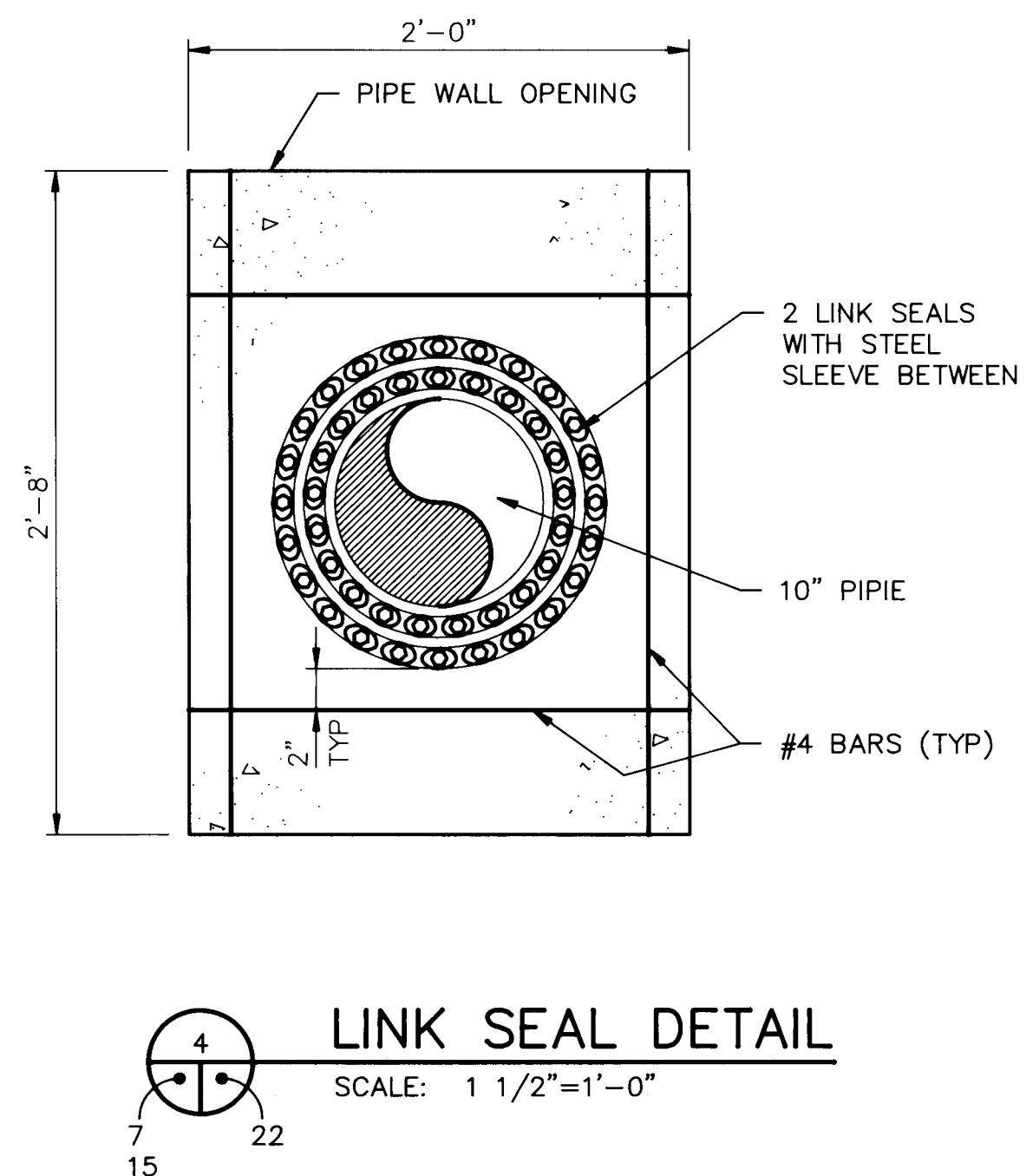
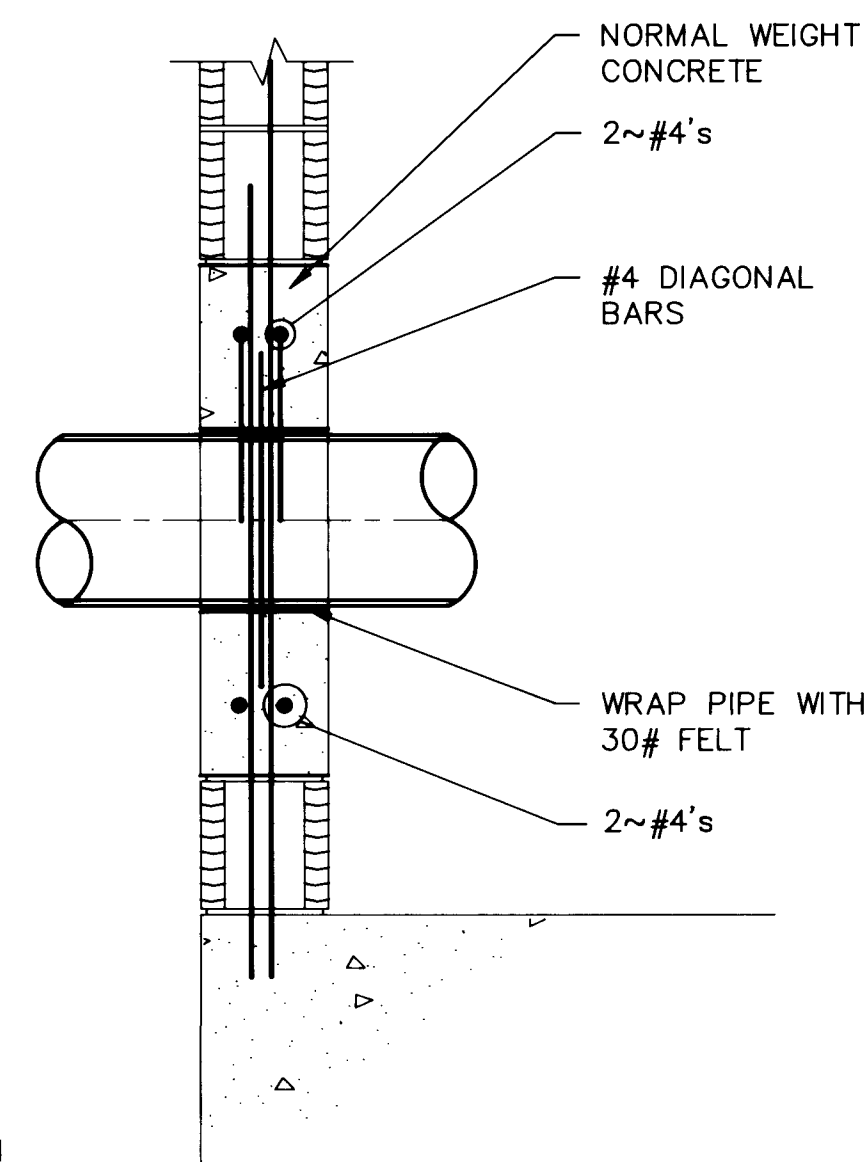
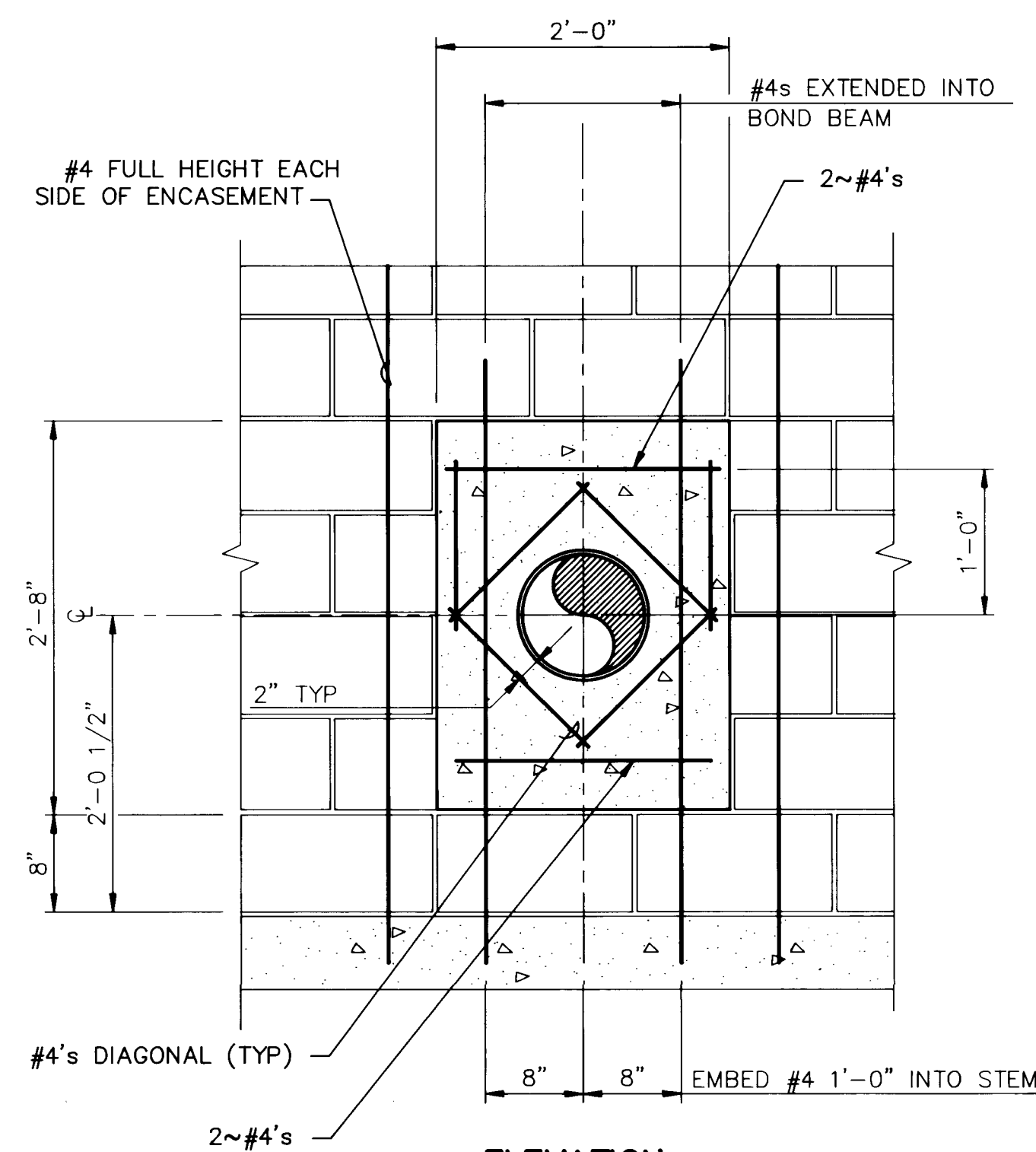
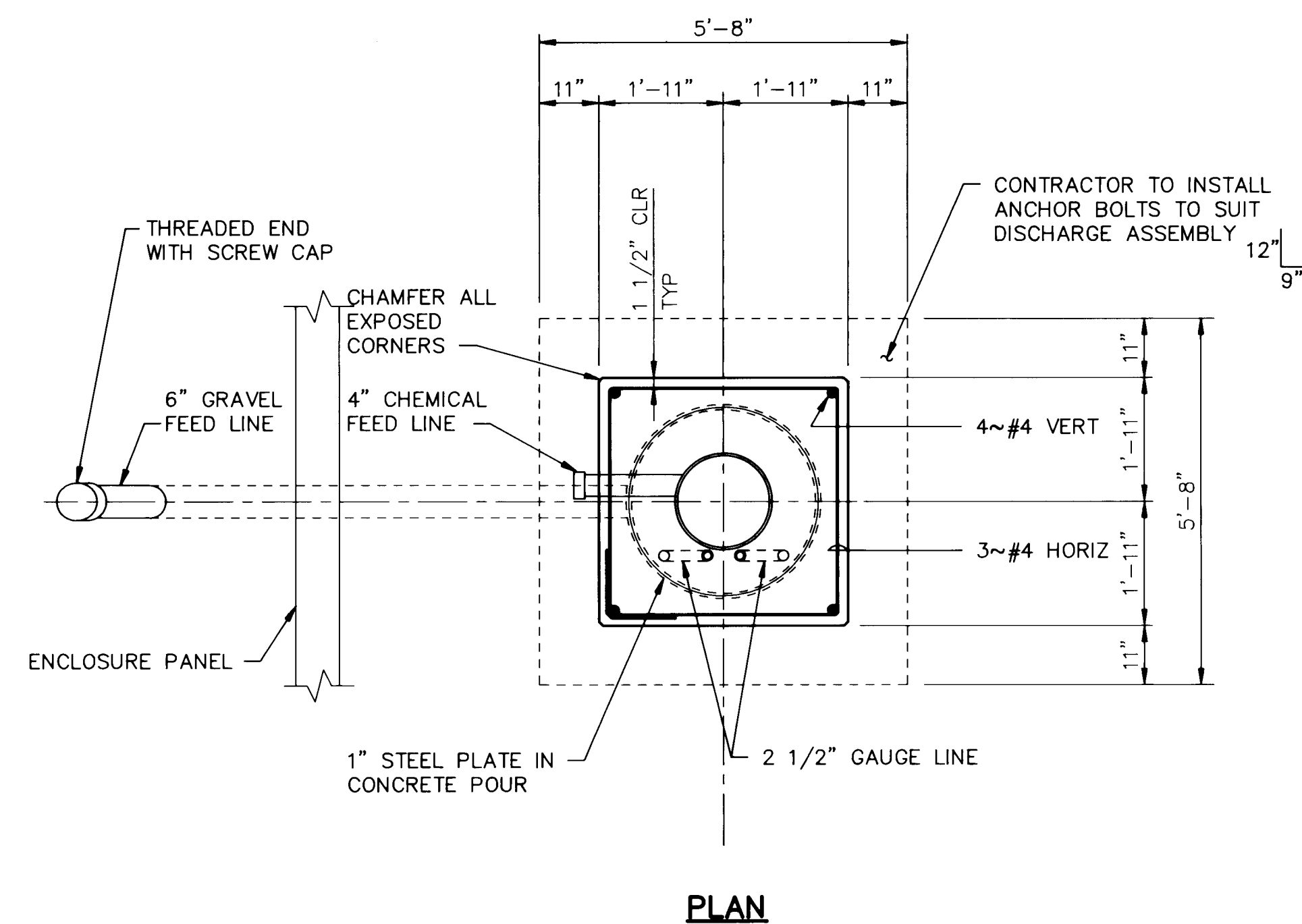
26 4395.91 2194

SCANNED BY LASON

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	MCC, Inc.	DATE	12/92	NO.	BY	DATE		NO.	BY	DATE		NO.	BY	DATE	
STATED BY	Albino	DATE	6/93	NO.	BY	DATE		NO.	BY	DATE		NO.	BY	DATE	
ACCEPTANCE BY	L-H	DATE	6/93	NO.	BY	DATE		NO.	BY	DATE		NO.	BY	DATE	
FIELD	L-H	DATE	6/93	NO.	BY	DATE		NO.	BY	DATE		NO.	BY	DATE	
DRAWINGS	L-H	DATE	6/93	NO.	BY	DATE		NO.	BY	DATE		NO.	BY	DATE	
CORRECTED BY	L-H	DATE	6/93	NO.	BY	DATE		NO.	BY	DATE		NO.	BY	DATE	
RECORDED BY	L-H	DATE	6/93	NO.	BY	DATE		NO.	BY	DATE		NO.	BY	DATE	
NO.				NO.				NO.				NO.			



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 TEMPORARY CHLORINATION BUILDING ROOF FRAMING, ROOF DRAINAGE AND FOUNDATION PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	11.6.		WATER	R.W. Kane	9-2-92
TRANSPORTATION	11.6.	9-2-92	WASTE WATER	R.W. Kane	9-2-92
HYDROLOGY	11.6.	9-2-92			
PROJECT NO.	4395.91	MAP NO.	H-11 & E-10	SHEET	21 OF 31



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NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE POSITION OF THE EXISTING WELL CASING DURING CONSTRUCTION AND REBUILDING WELL HEAD AND PUMP FOUNDATION TO THE NEW ELEVATIONS AS SHOWN ON THE DRAWINGS. THE ESTIMATED WEIGHT THAT IS TO BE SUPPORTED DURING CONSTRUCTION IS 175,000 LBS. CONTRACTOR WILL SUBMIT DETAILS FOR CASING SUPPORT TO THE ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION.

GRAVEL LEVEL SHALL NOT PROTRUDE ABOVE OR INTO THE GRAVEL FEED LINE.

APPROVAL OF RECORD DRAWINGS
Project Engineer
[Signature]
Date: FEB 11 1974

RECORD DRAWING

Date JUN 23 1993

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

SCANNED BY
BY LASON

26 4395.912294

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			
DESIGNED BY		E. WEBSTER		DATE		JUNE 1992	
DRAWN BY		LH STAFF		DATE		JUNE 1992	
CHECKED BY		-		DATE		JUNE 1992	
REVISIONS							
REMARKS		Record Drawing		L-H		BY	
NO.		DATE		6/93		6/93	
CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
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NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
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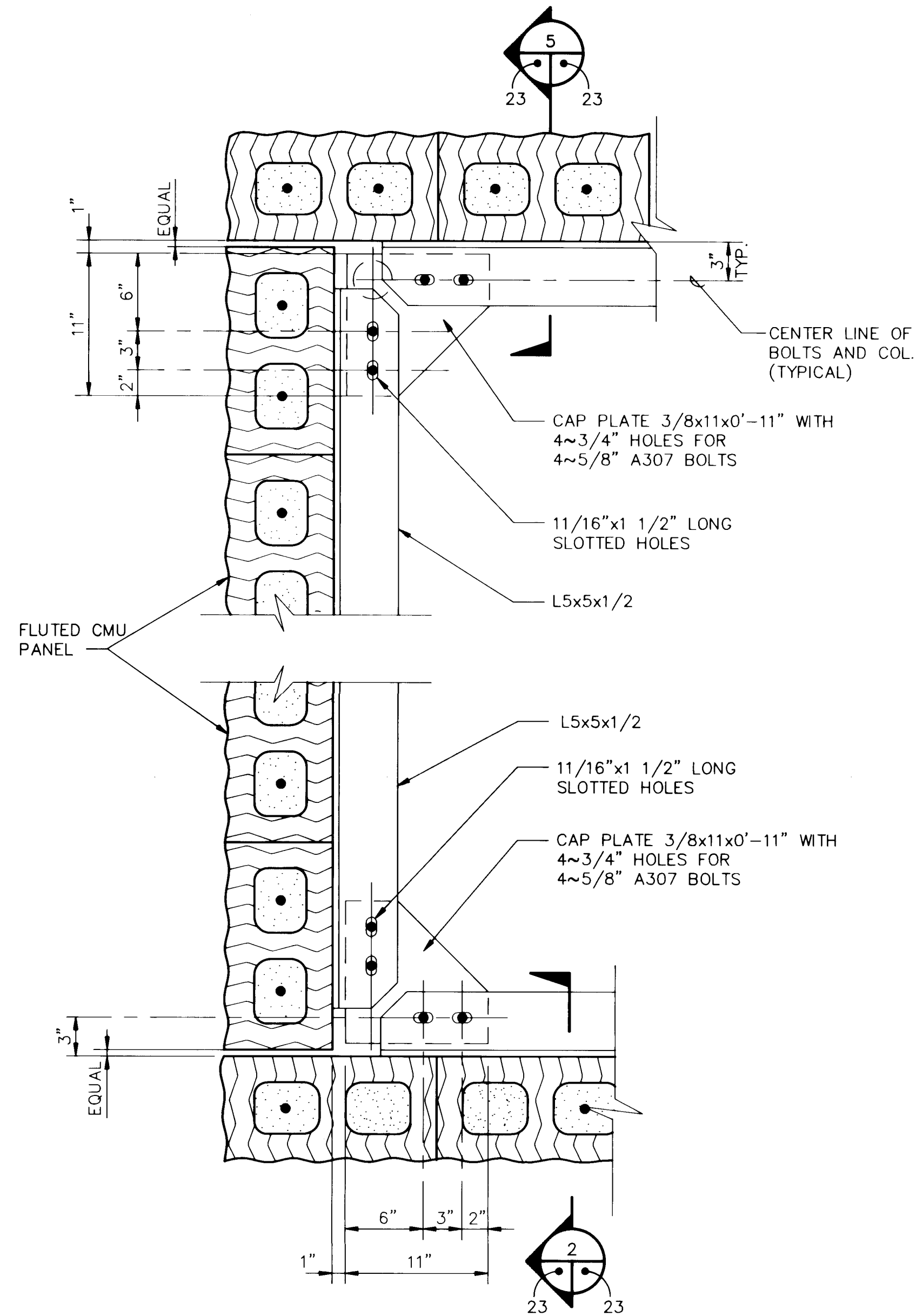
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VERIFICATION BY		L-H		DATE		6/93	
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MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
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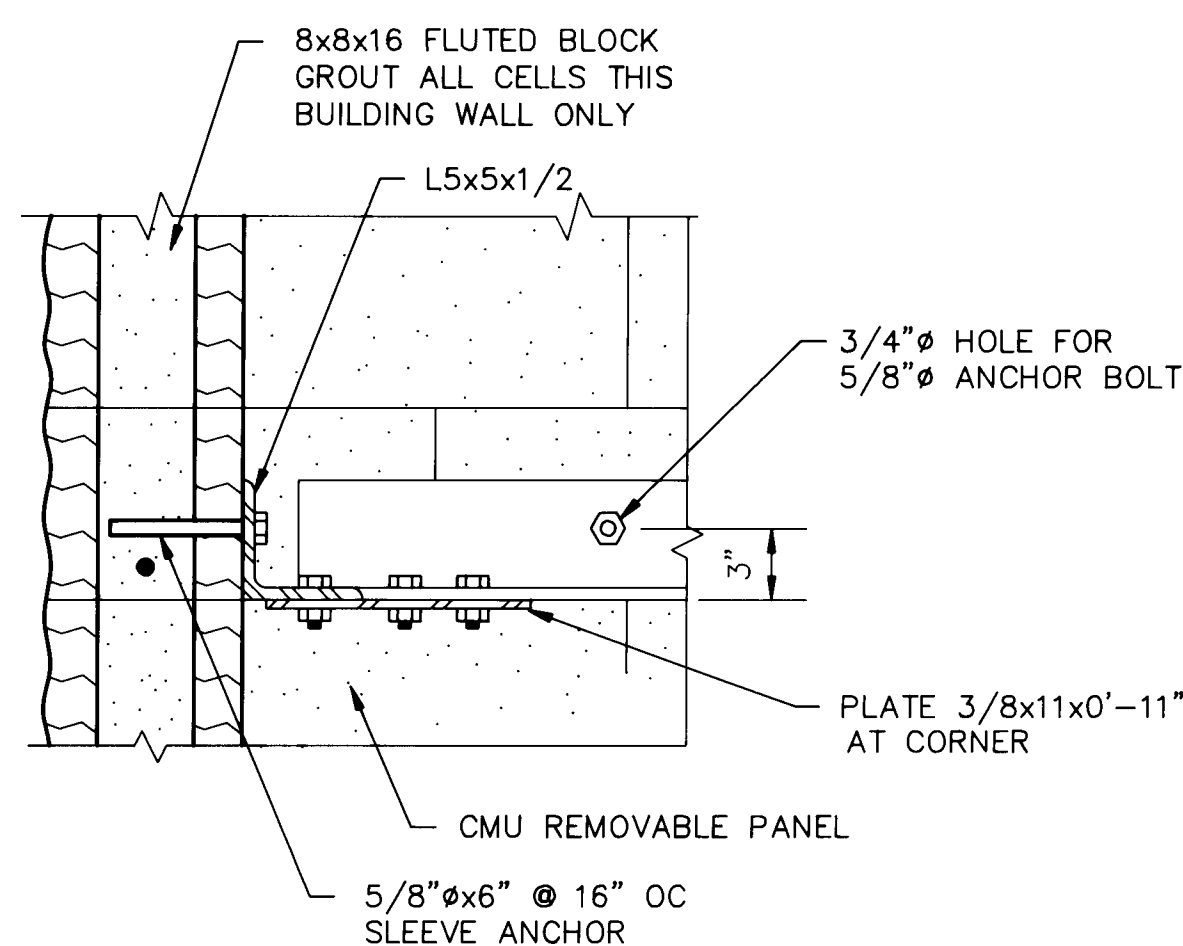
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VERIFICATION BY		L-H		DATE		6/93	
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MICRO-FILM INFORMATION				RECORDED BY		DATE	
NO.							

CONTRACTOR		MICC, Inc.		INSPECTOR'S DATE		12/92	
VERIFICATION BY		L-H		DATE		6/93	
COMPLETED BY		L-H		DATE		6/93	
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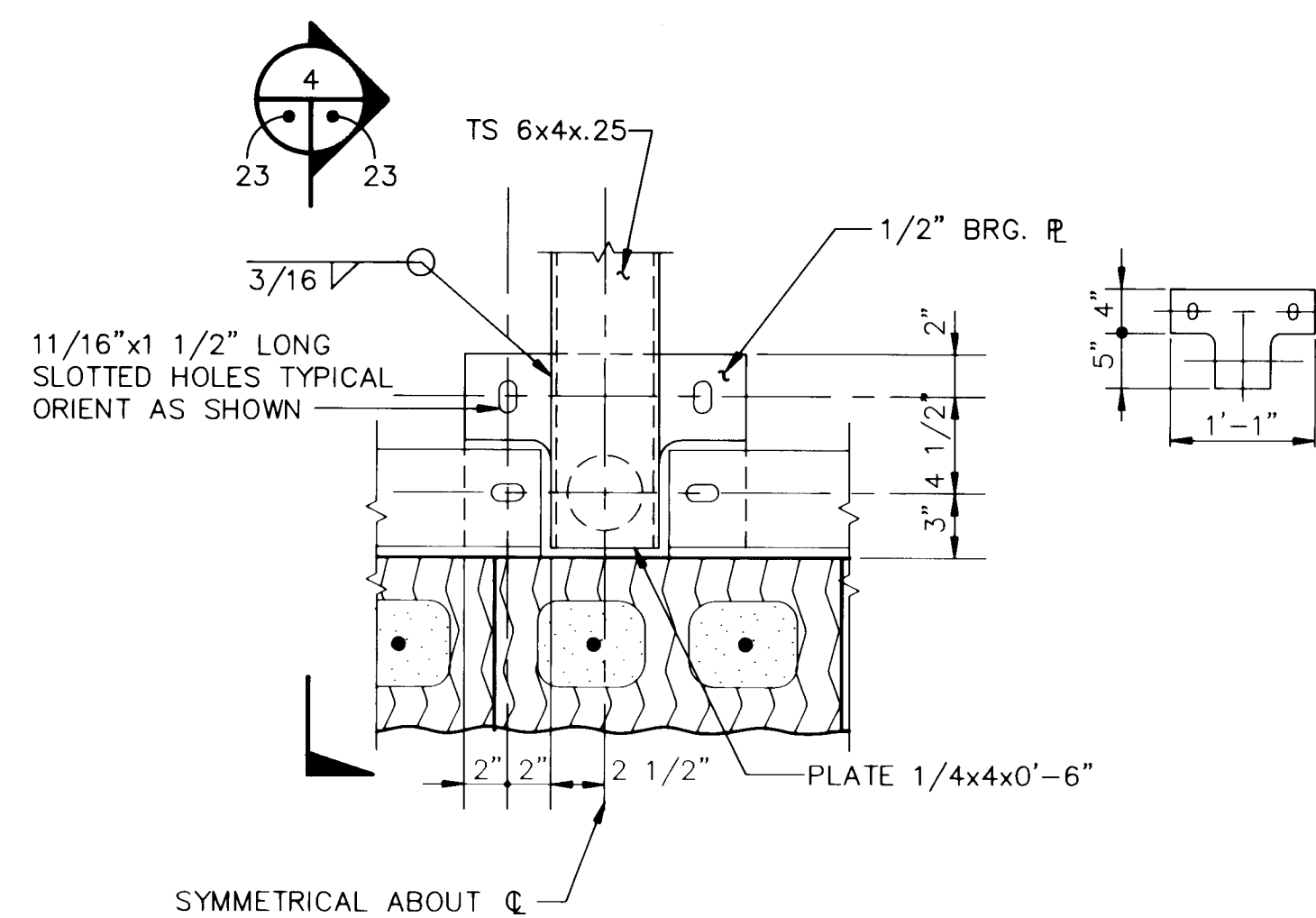
CONTRACTOR		MICC, Inc.	
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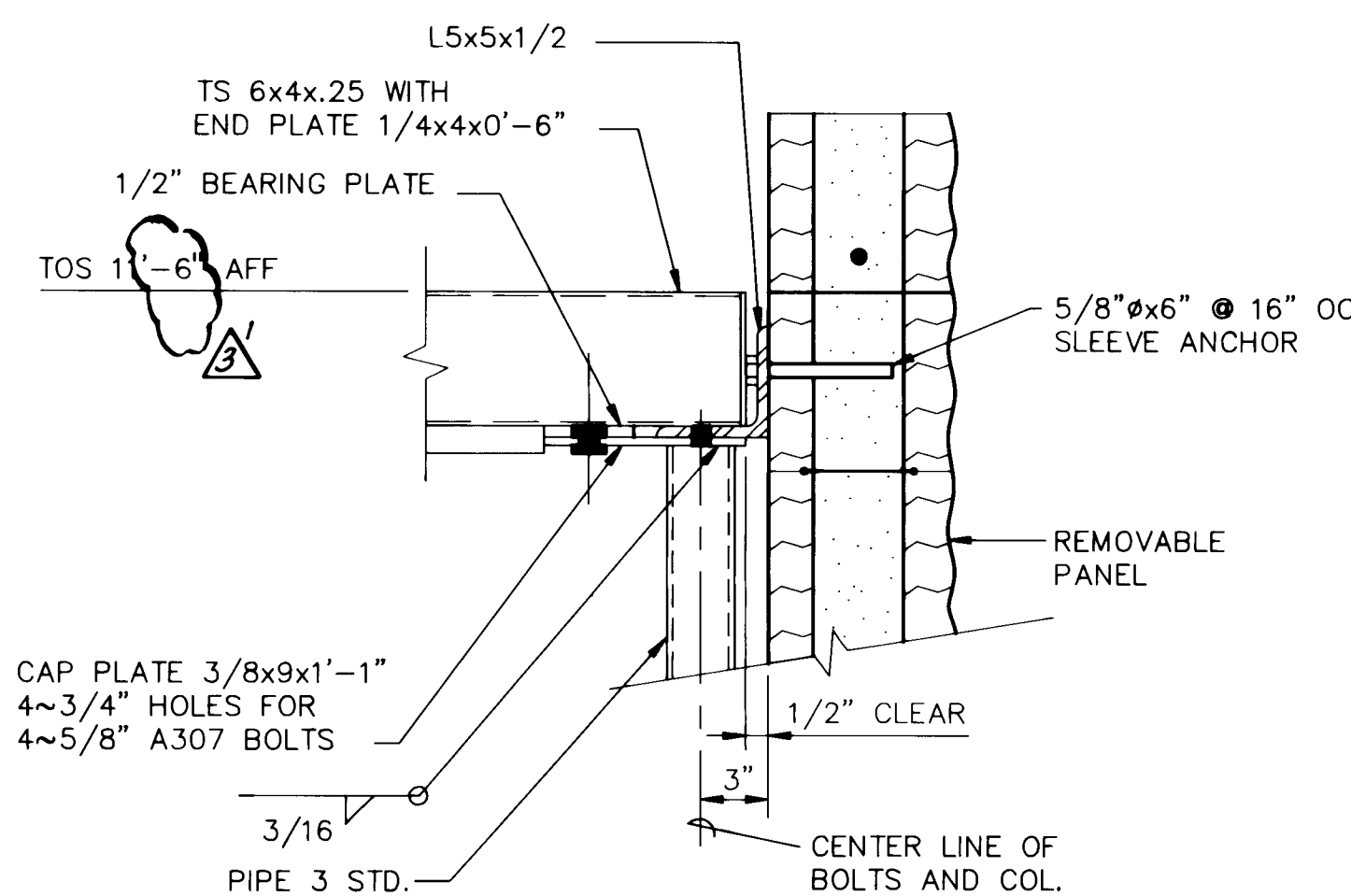
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SCALE : 1 1/2" = 1'-0"



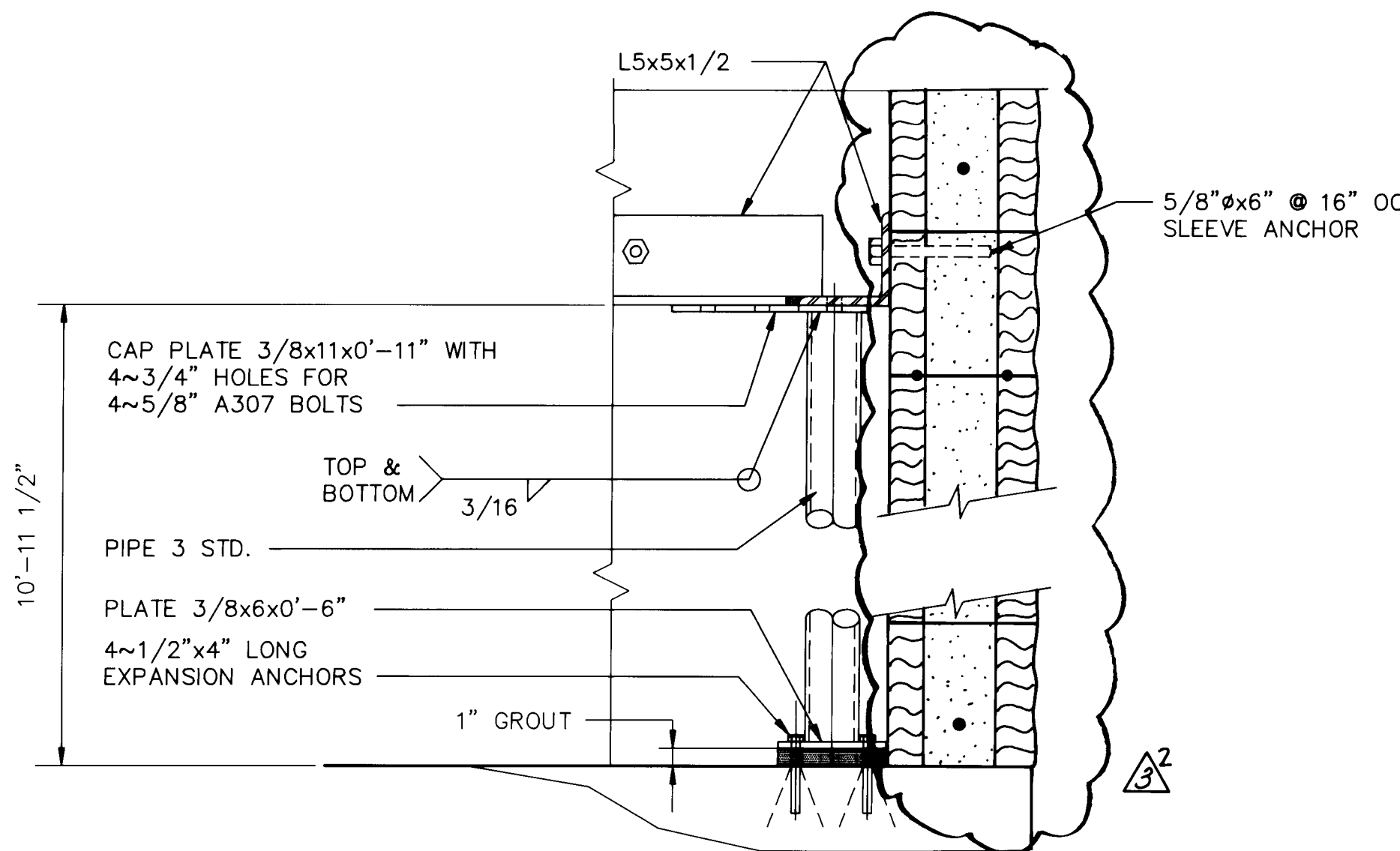
2 SECTION
SCALE : 1 1/2" = 1'-0"



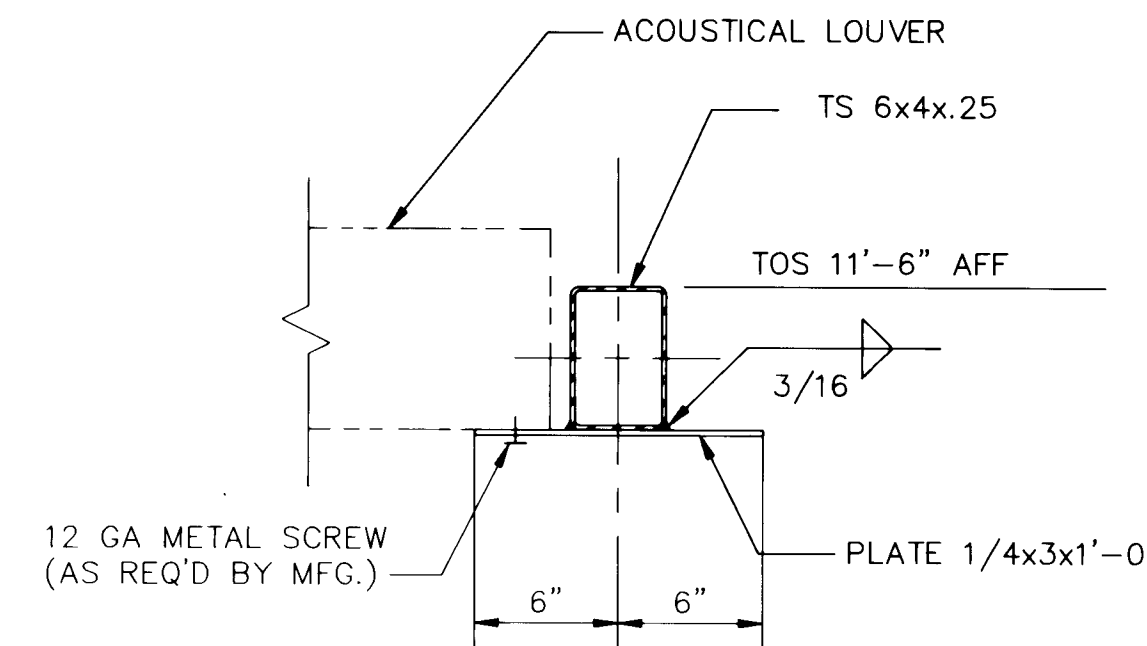
3 PLAN SECTION
SCALE : 1 1/2" = 1'-0"



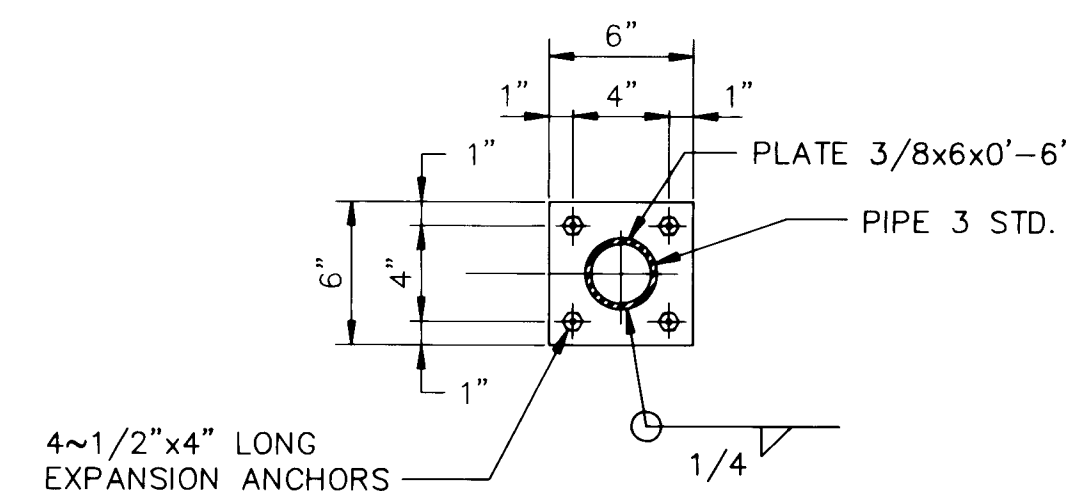
4 SECTION
SCALE : 1 1/2" = 1'-0"



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



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



7 BASE PLATE DETAIL
SCALE : 1 1/2" = 1'-0"

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: 2/2/1993

RECORD DRAWING
Date: 2/2/1993
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

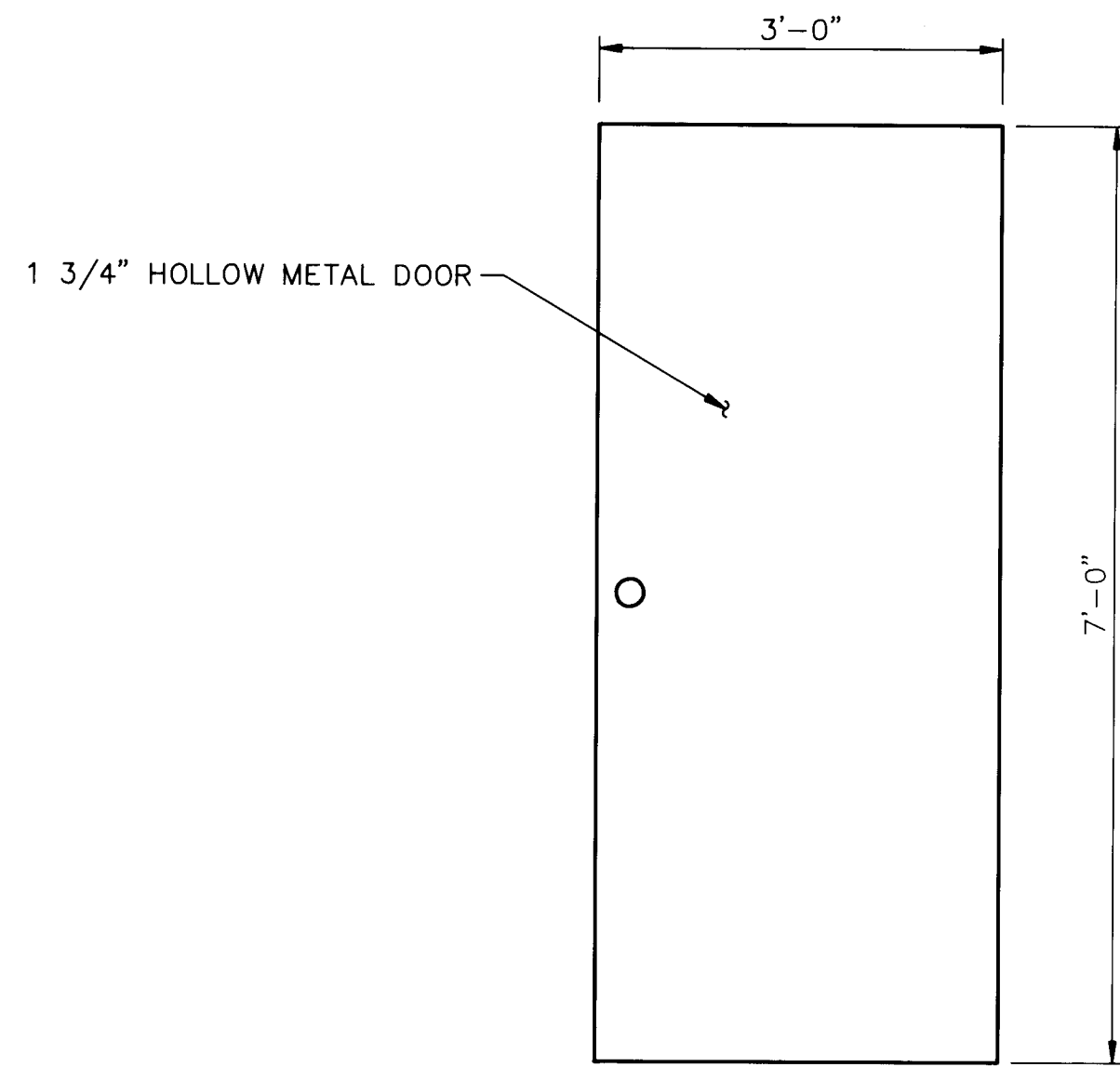
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 ENCLOSURE DETAILS AND SECTIONS			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	A. W. Kame	2-2-92	Liquid Waste
A.C.E. Design	A. R. Webb	2-2-92	Traffic
A.C.E. - Hydrology	G. M.	2-8-92	Water
PROJECT NO. 4395.91		MAP NO. E-10 & H-11	
		SHEET 23 OF 31	

SCANNED BY
BY LASON

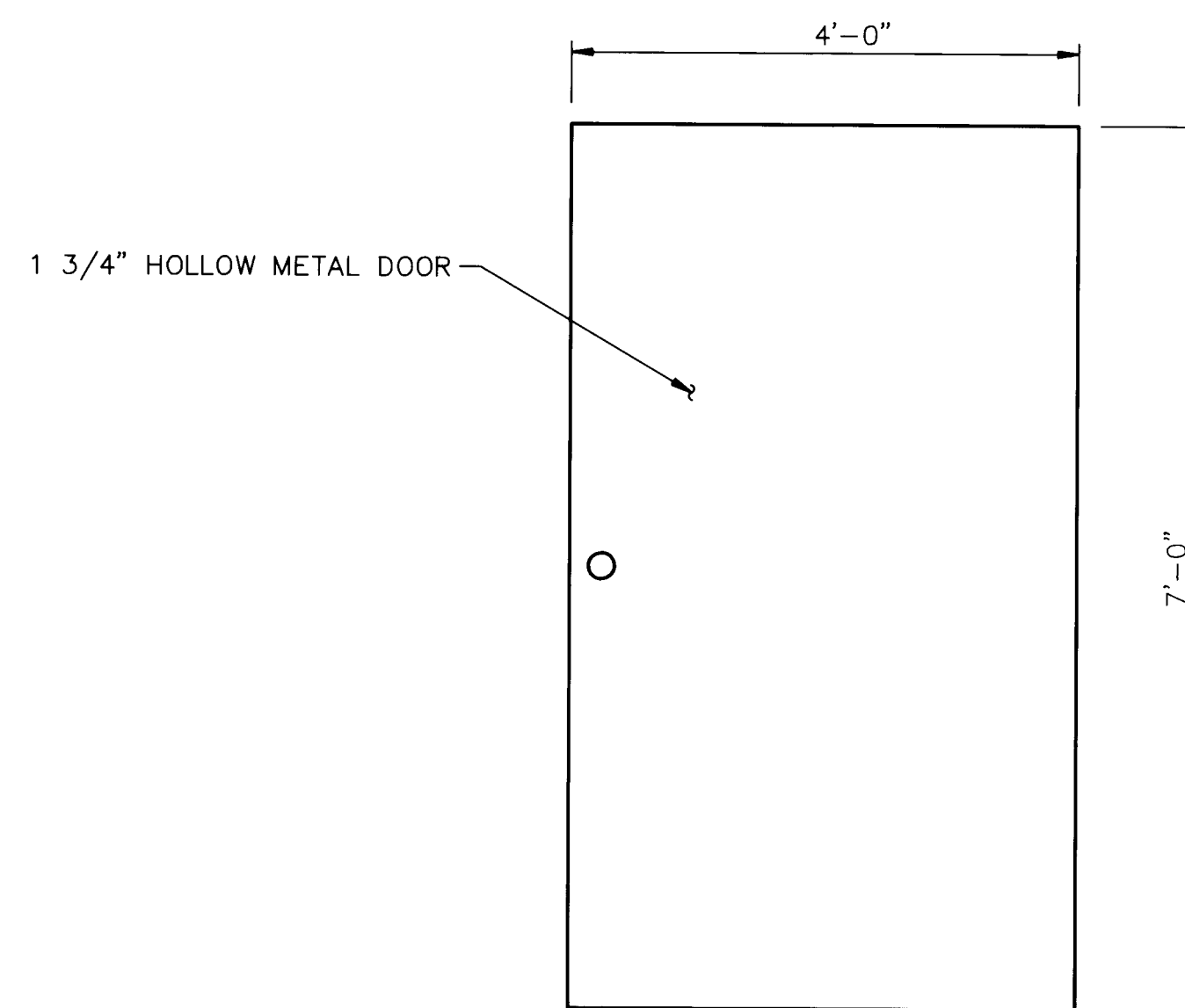
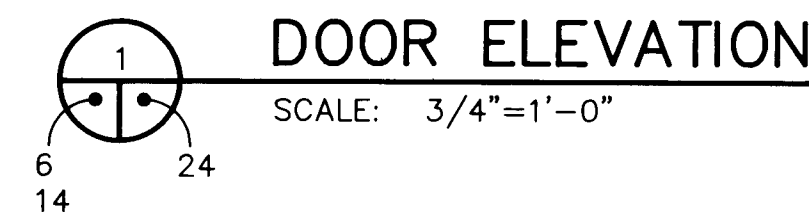
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CONTRACTOR	MCC, Inc	DATE	12/92
INSPECTOR	MCC, Inc	DATE	12/92
FIELD VERIFICATION BY	L-H	DATE	6/93
CORRECTED BY	L-H	DATE	6/93
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.			

SURVEY INFORMATION			
FIELD NOTES	BY	DATE	
NO.			

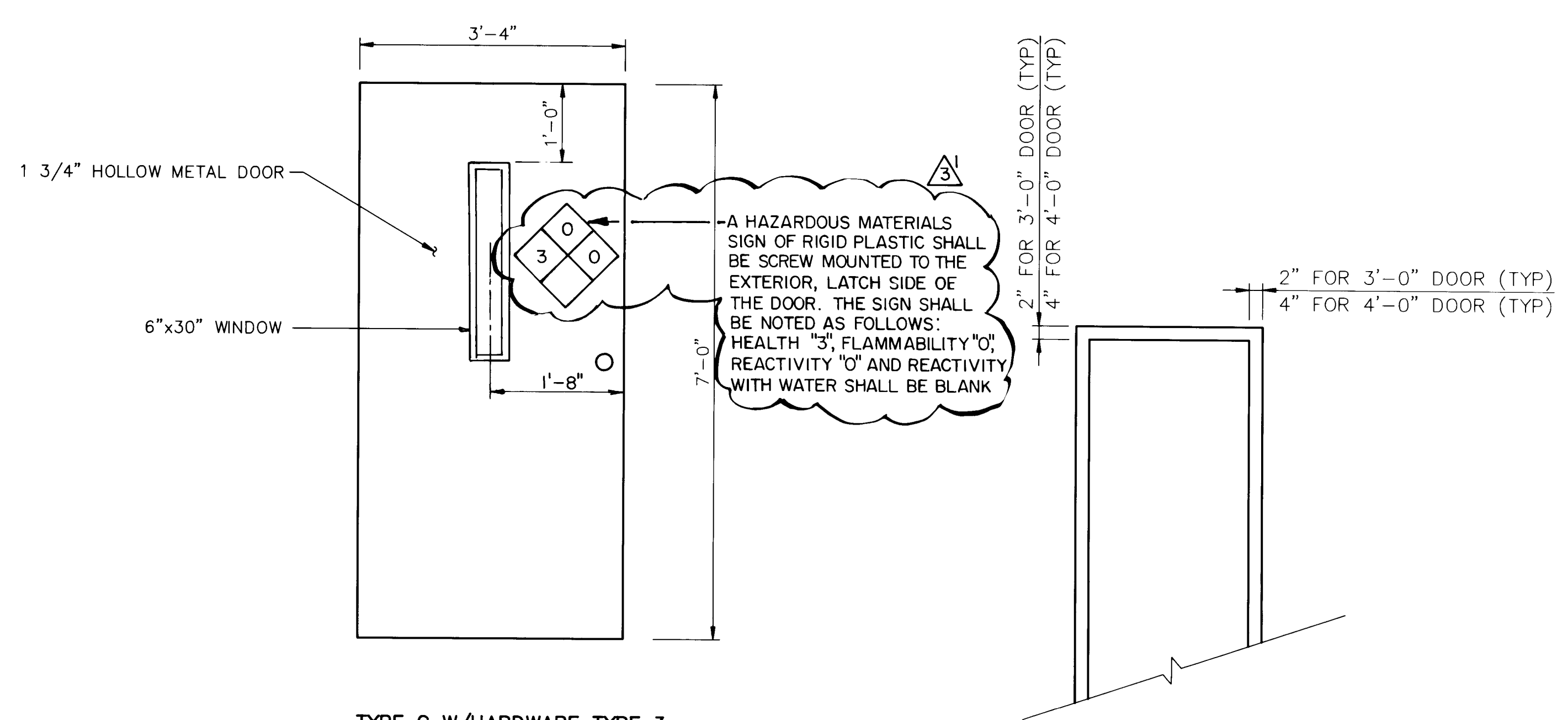
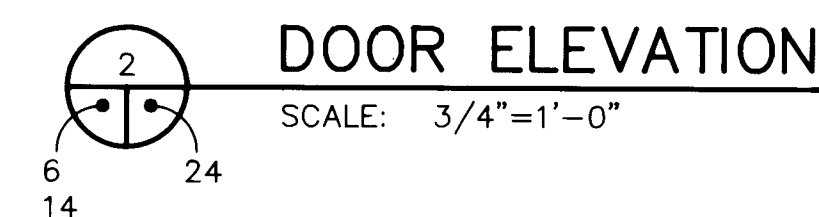
ENGINEER'S SEAL			
L-H	BY	DATE	
NO.			



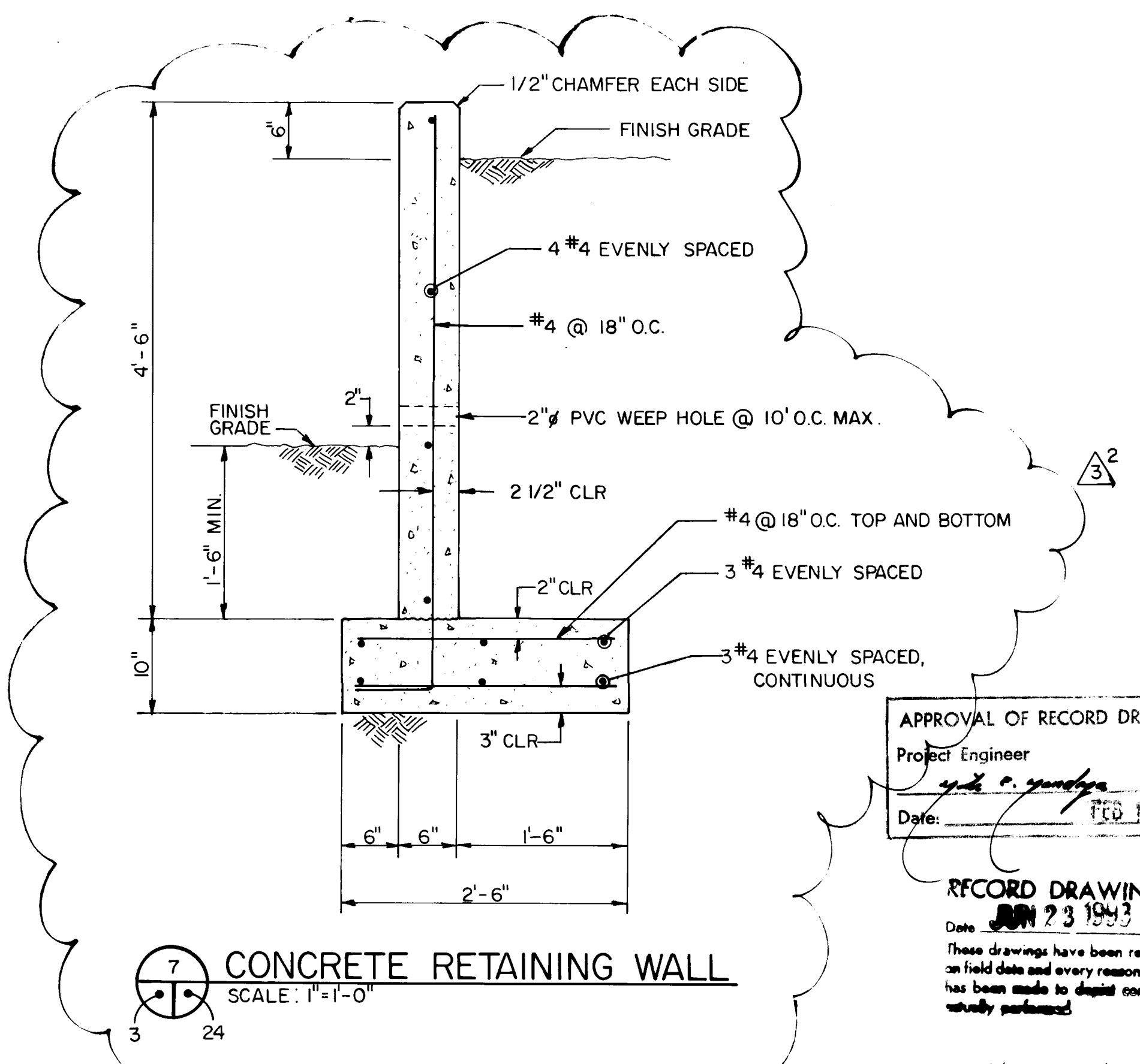
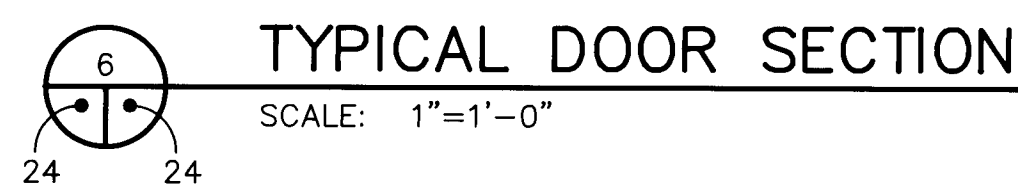
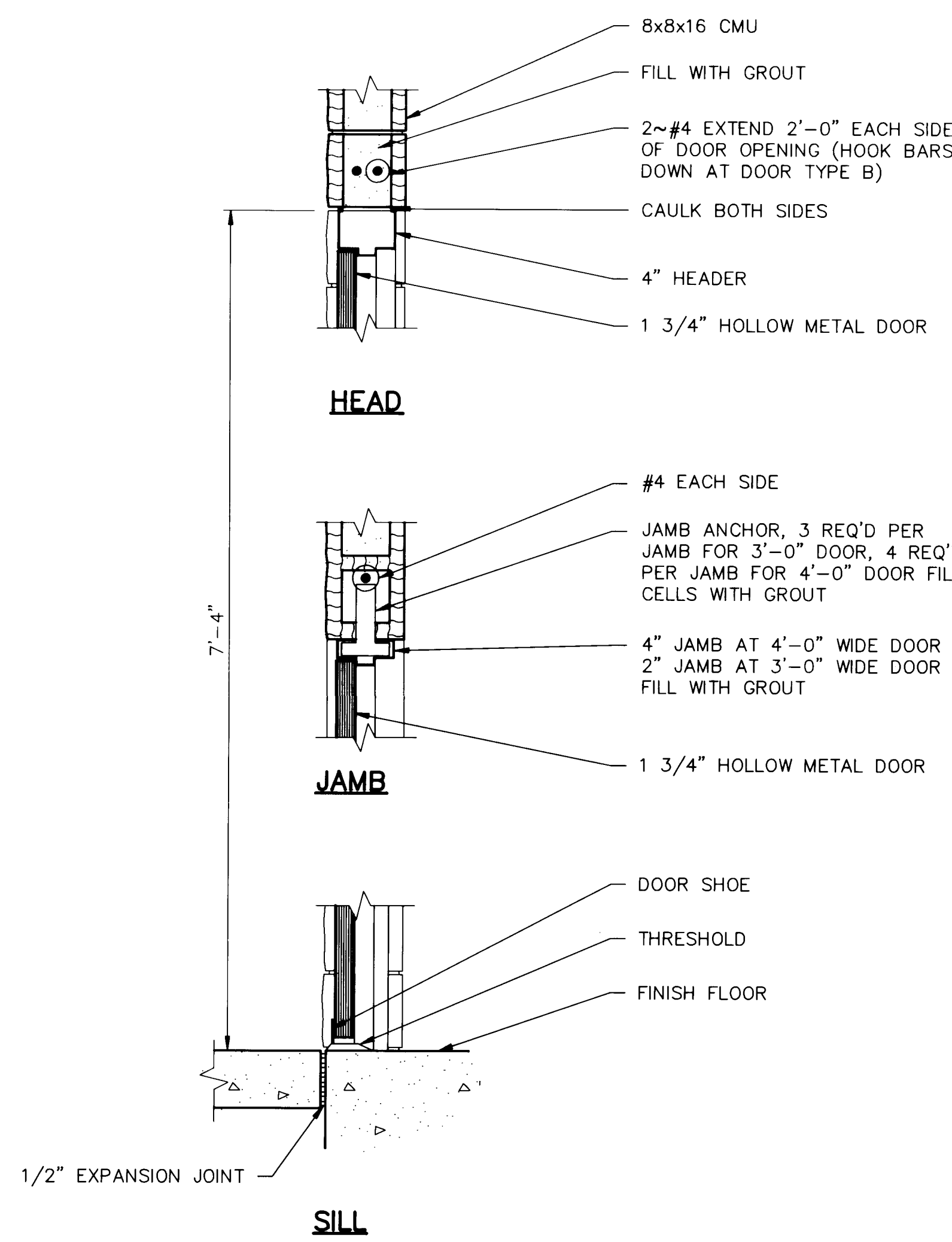
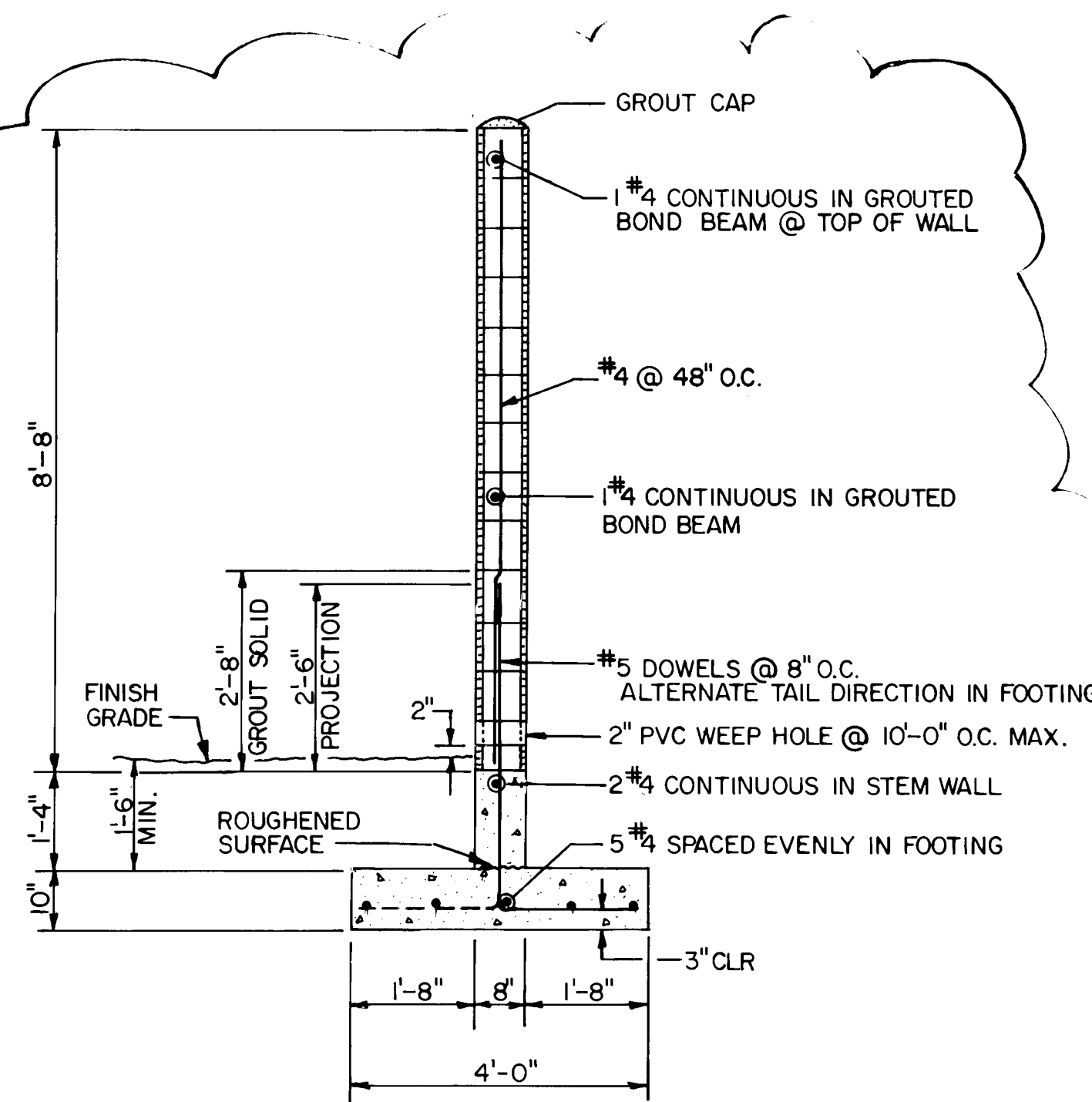
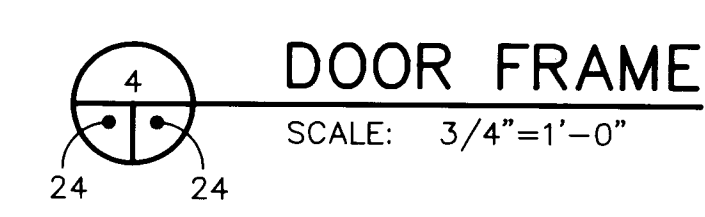
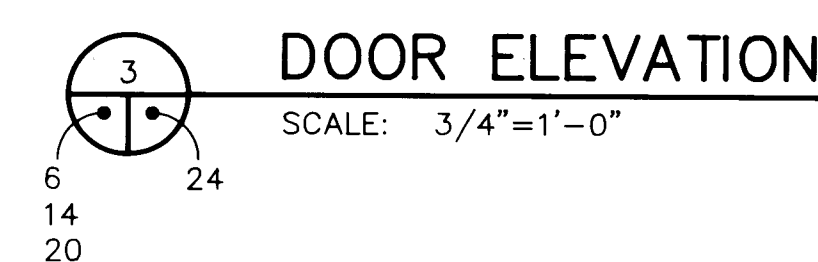
TYPE A W/HARDWARE TYPE 1



TYPE B W/HARDWARE TYPE 2



TYPE C W/HARDWARE TYPE 3



APPROVAL OF RECORD DRAWINGS

Project Engineer

Date: FEB 11 1992

RECORD DRAWING

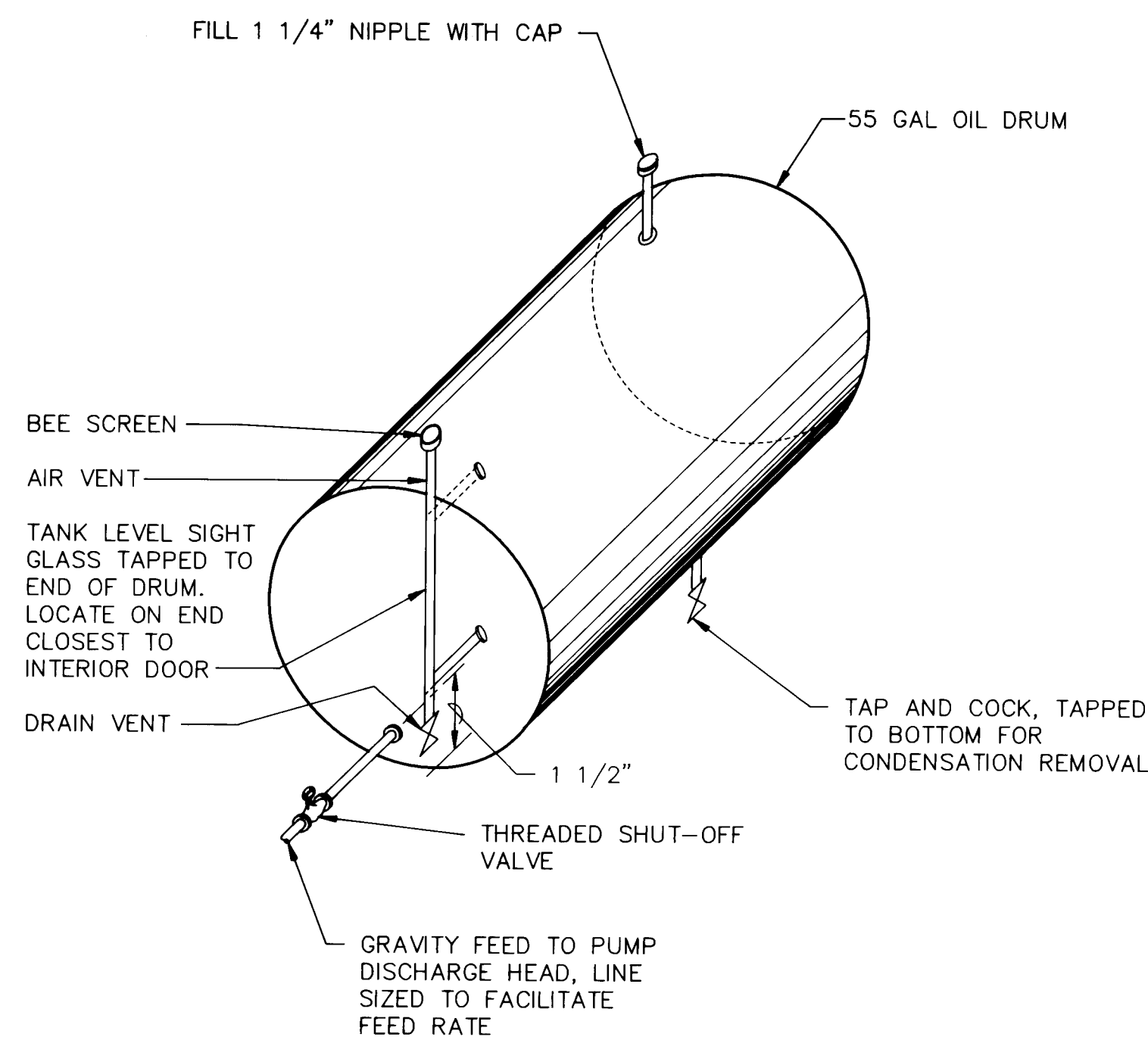
Date: JAN 23 1993

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

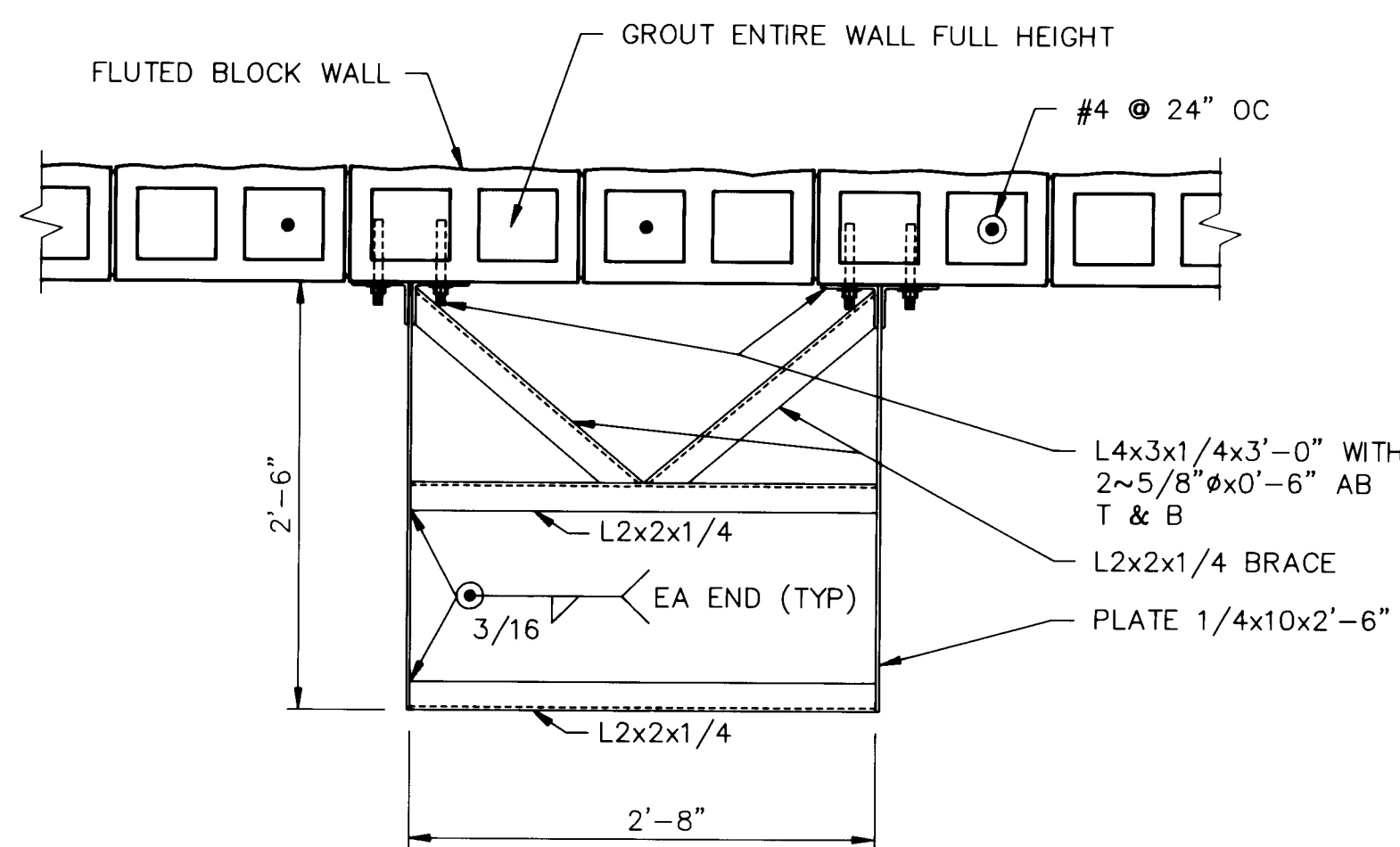
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 DOOR ELEVATIONS AND SCREEN WALL SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	R.W. Kane	9-2-92
TRANSPORTATION			WASTE WATER	R.W. Kane	9-2-92
HYDROLOGY					
PROJECT NO.	4395.91	MAP NO.	H-11 & E-10	SHEET	24 OF 31

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	MCC, Inc.	NO.		FIELD NOTES	
WORKED BY	MCC, Inc.	DATE		BY	
INSPECTED BY	L-H	DATE		DATE	
ACCEPTANCE BY	L-H	DATE			
VERIFICATION BY	L-H	DATE			
DESIGNED BY	L-H	DATE			
DRAWN BY	L-H	DATE			
CHECKED BY	L-H	DATE			
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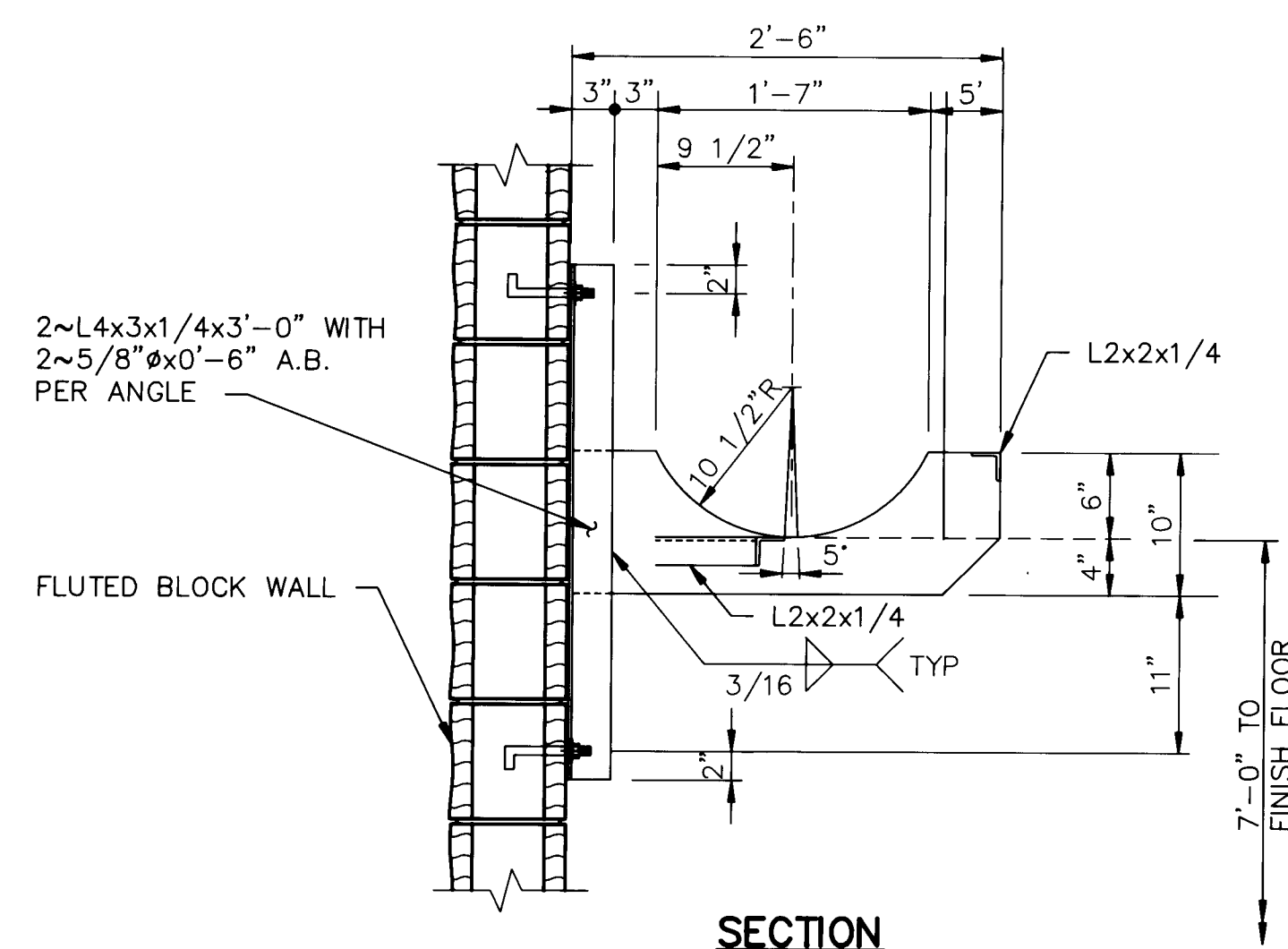
ENGINEER'S SEAL		REVISIONS		DESIGN	
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OIL DRUM DETAIL
NOT TO SCALE

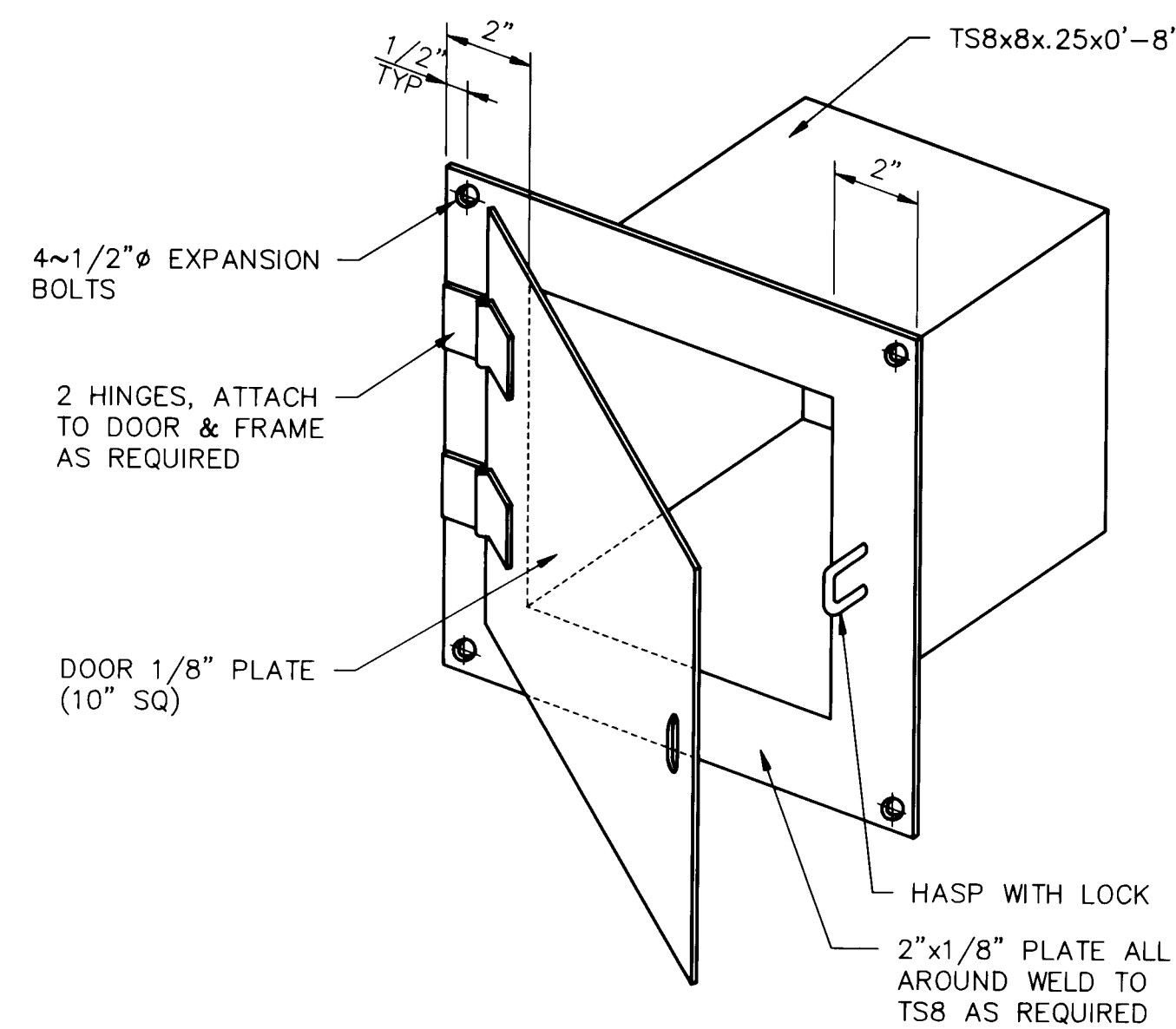


PLAN

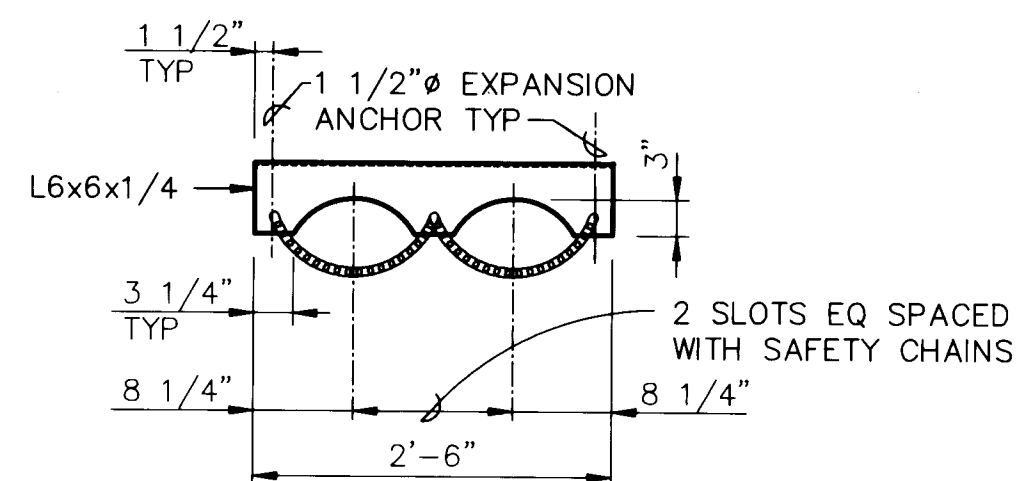


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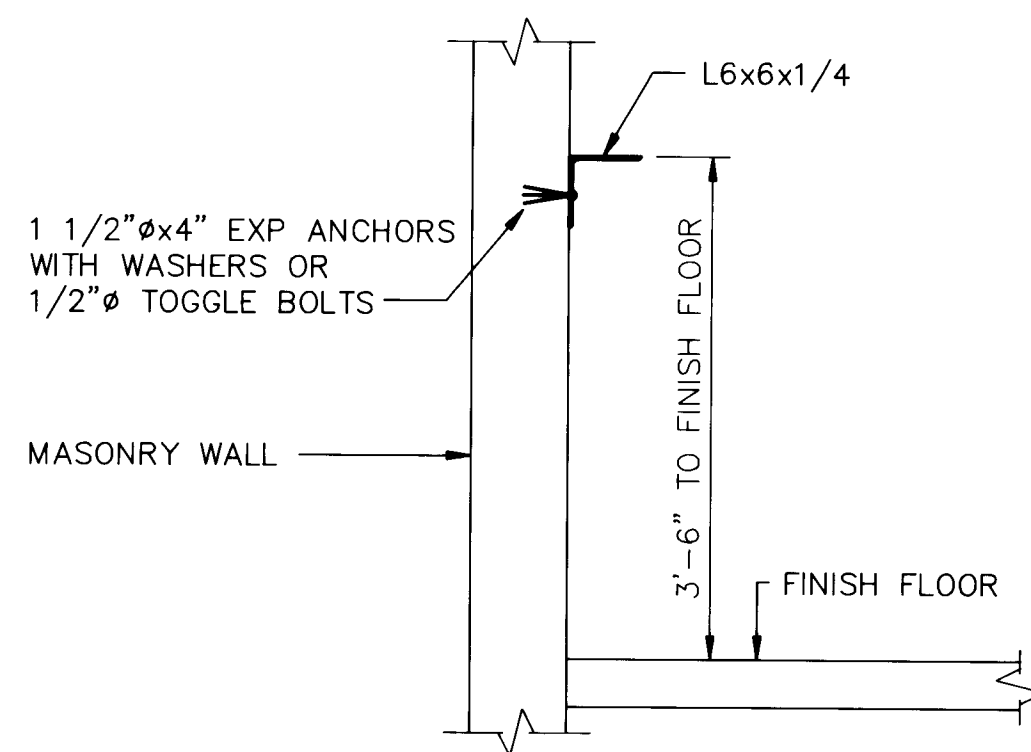
OIL DRUM SUPPORT DETAIL
SCALE: 1"=1'-0"



PUMP LUBE OIL ACCESS DOOR
SCALE: 3"=1'-0"

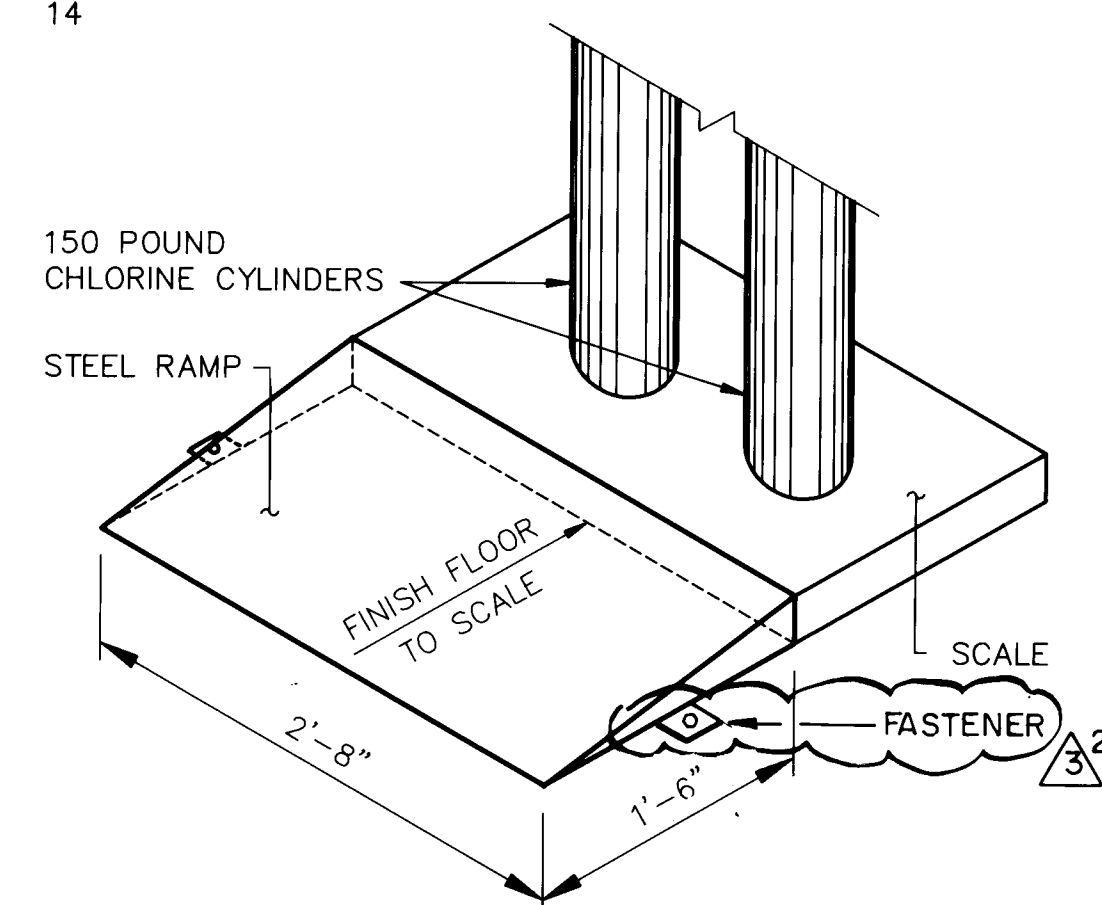


PLAN

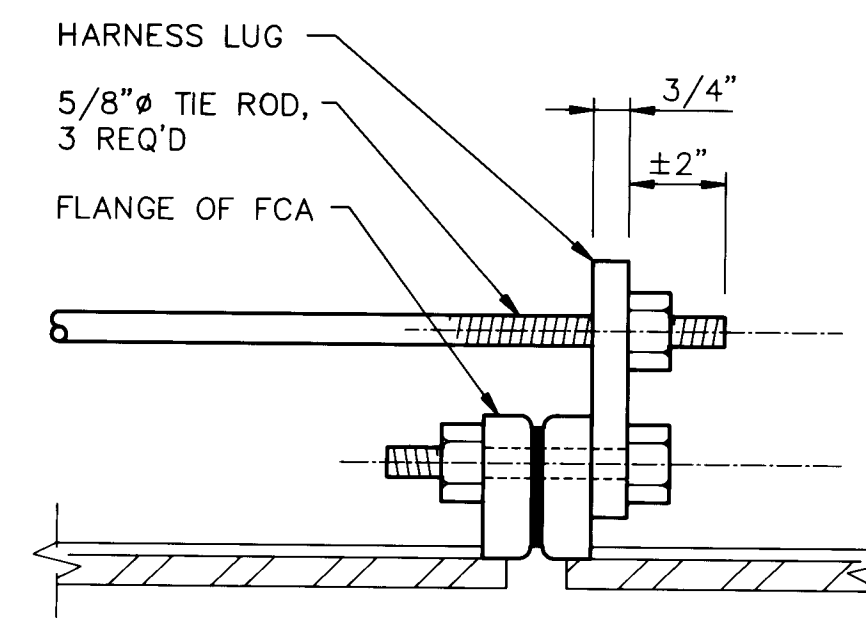


SECTION

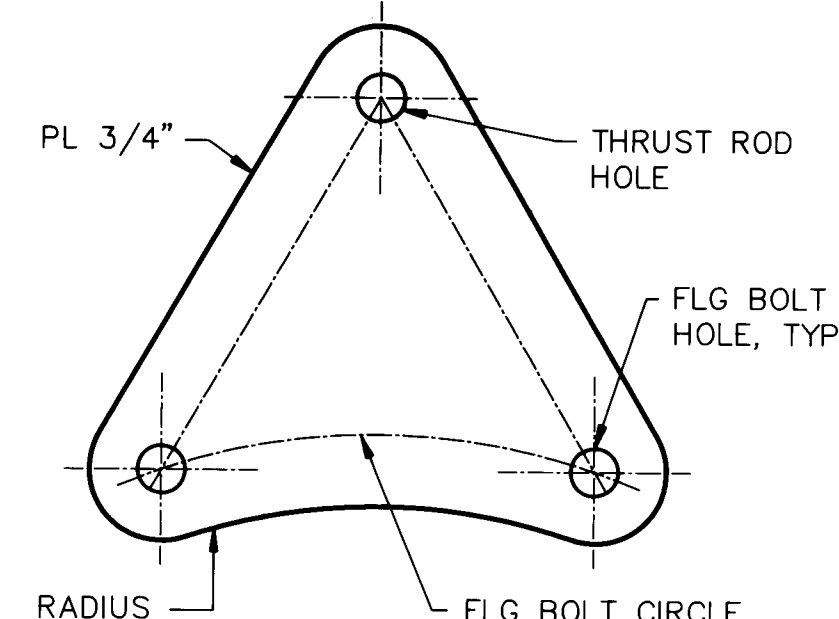
CHLORINE STORAGE RACK
SCALE: 3/4"=1'-0"



RAMP DETAIL
SCALE: 1"=1'-0"

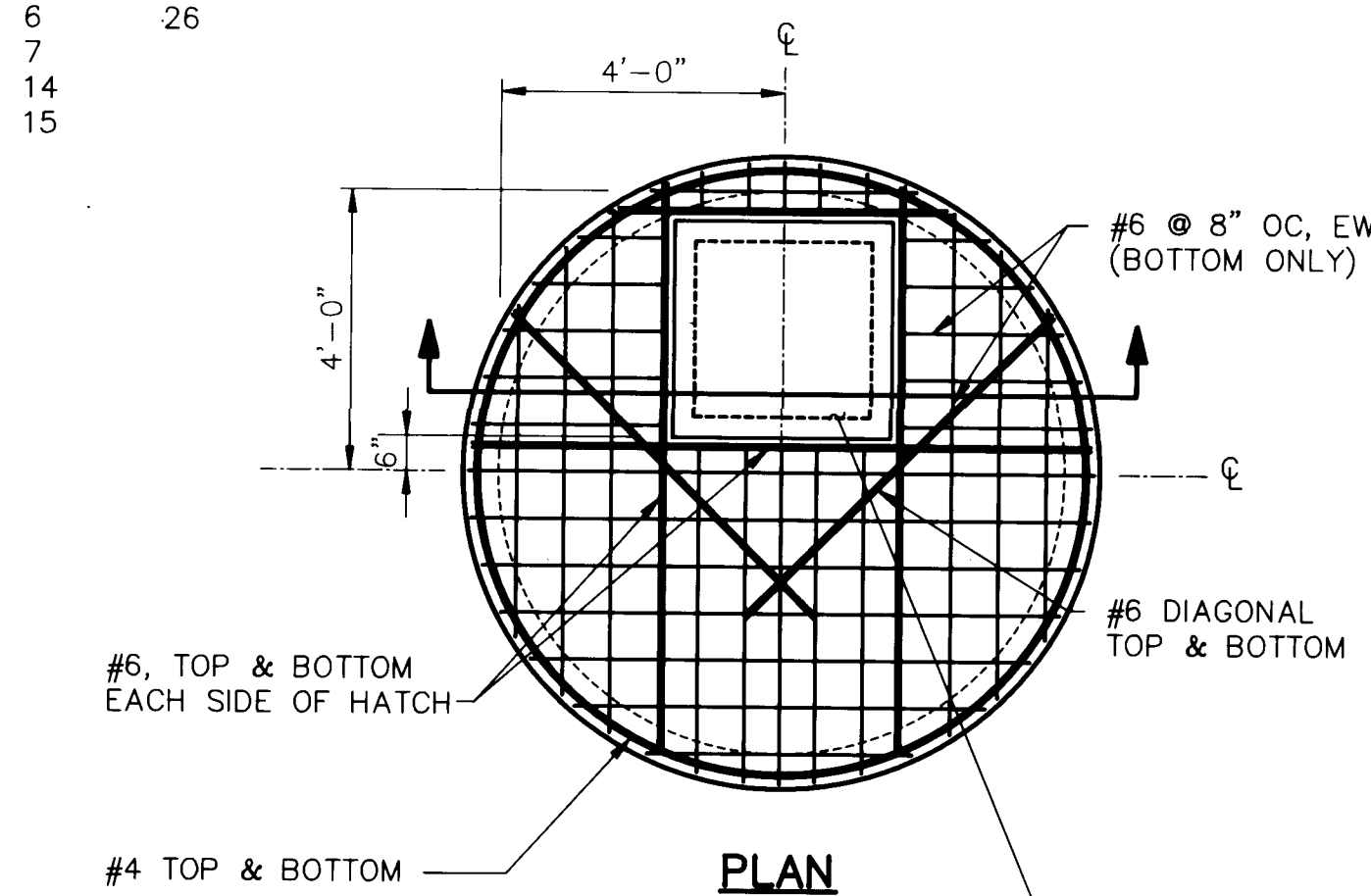


LUG ASSEMBLY

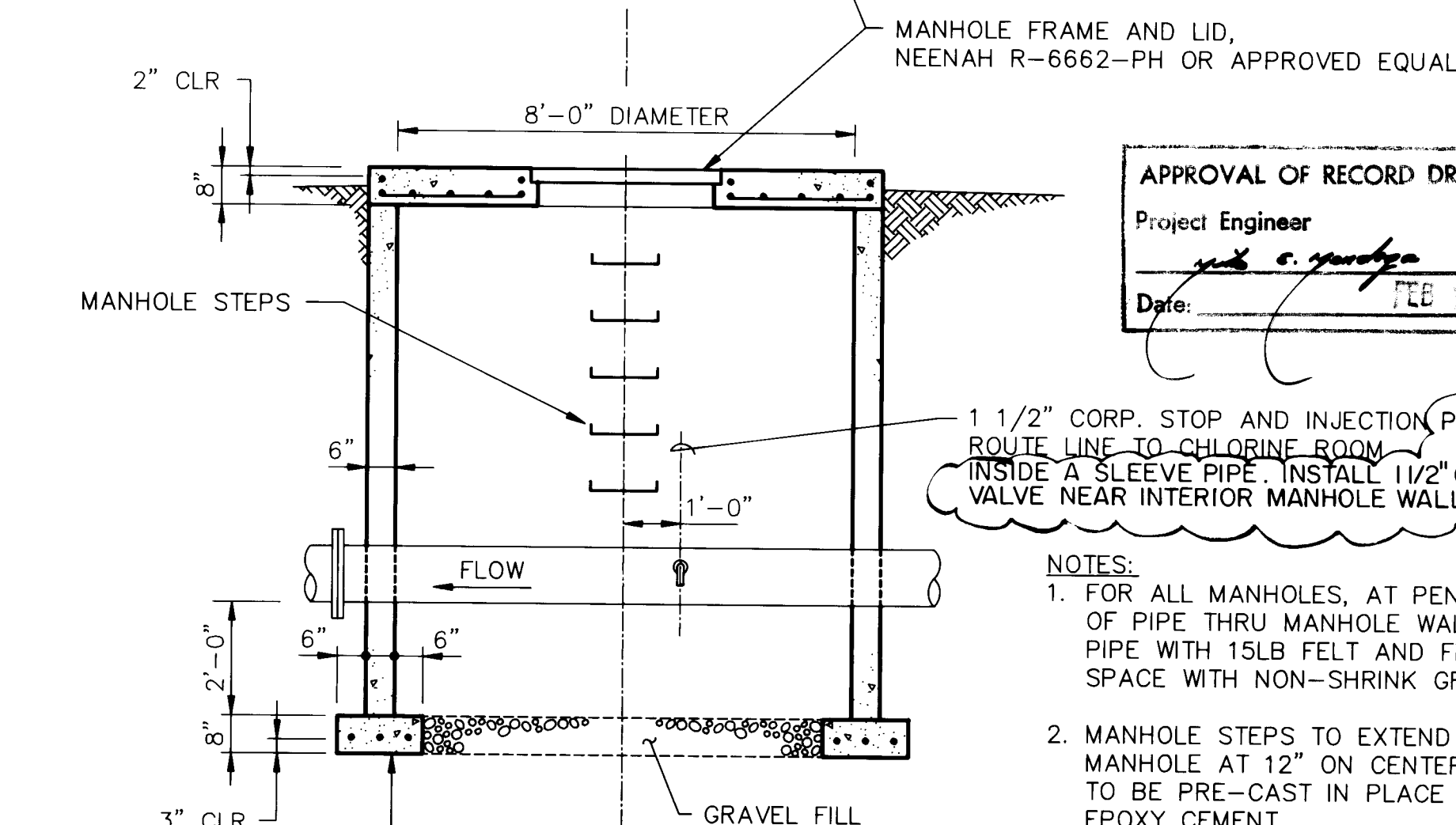


HARNESS LUG

DRESSER COUPLING RESTRAINT
NOT TO SCALE

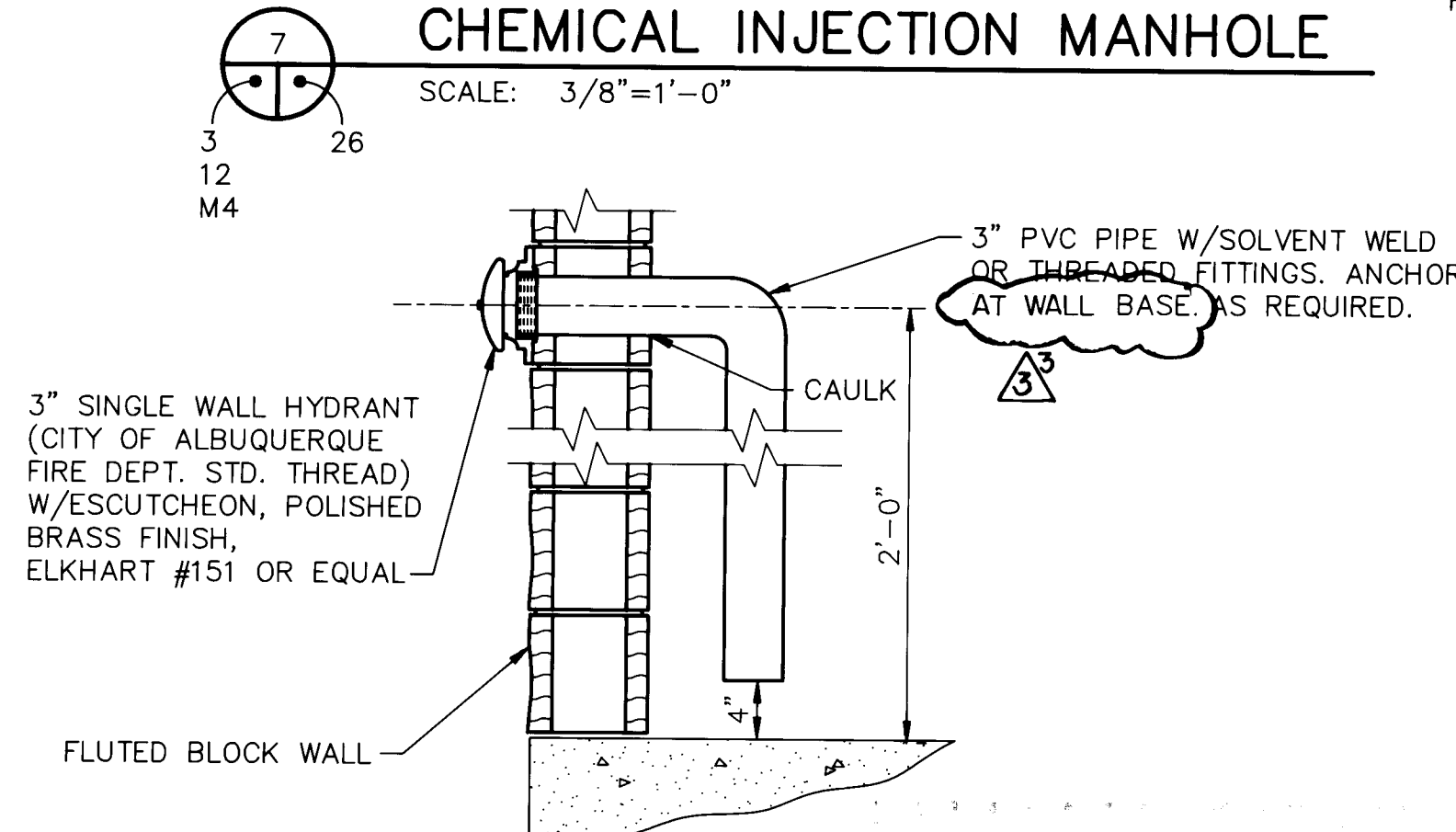


PLAN



SECTION

CHEMICAL INJECTION MANHOLE
SCALE: 3/8"=1'-0"



CHLORINE SUCTION OUTLET
NOT TO SCALE

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: FEB 1993

- NOTES:**
- FOR ALL MANHOLES, AT PENETRATION OF PIPE THRU MANHOLE WALLS, WRAP PIPE WITH 15LB FELT AND FILL ANNULAR SPACE WITH NON-SHRINK GROUT.
 - MANHOLE STEPS TO EXTEND 7" INTO MANHOLE AT 12" ON CENTER, STEPS TO BE PRE-CAST IN PLACE OR IN EPOXY CEMENT.
 - PROVIDE BLOCKOUT CONCRETE IN ALL PRE-CAST MANHOLE TOPS FOR LIFTING LUGS.

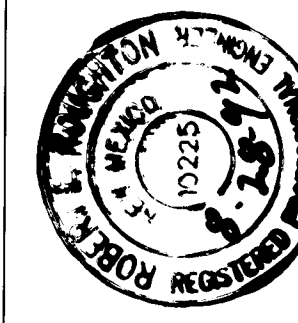
RECORD DRAWING
JUN 23 1993

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

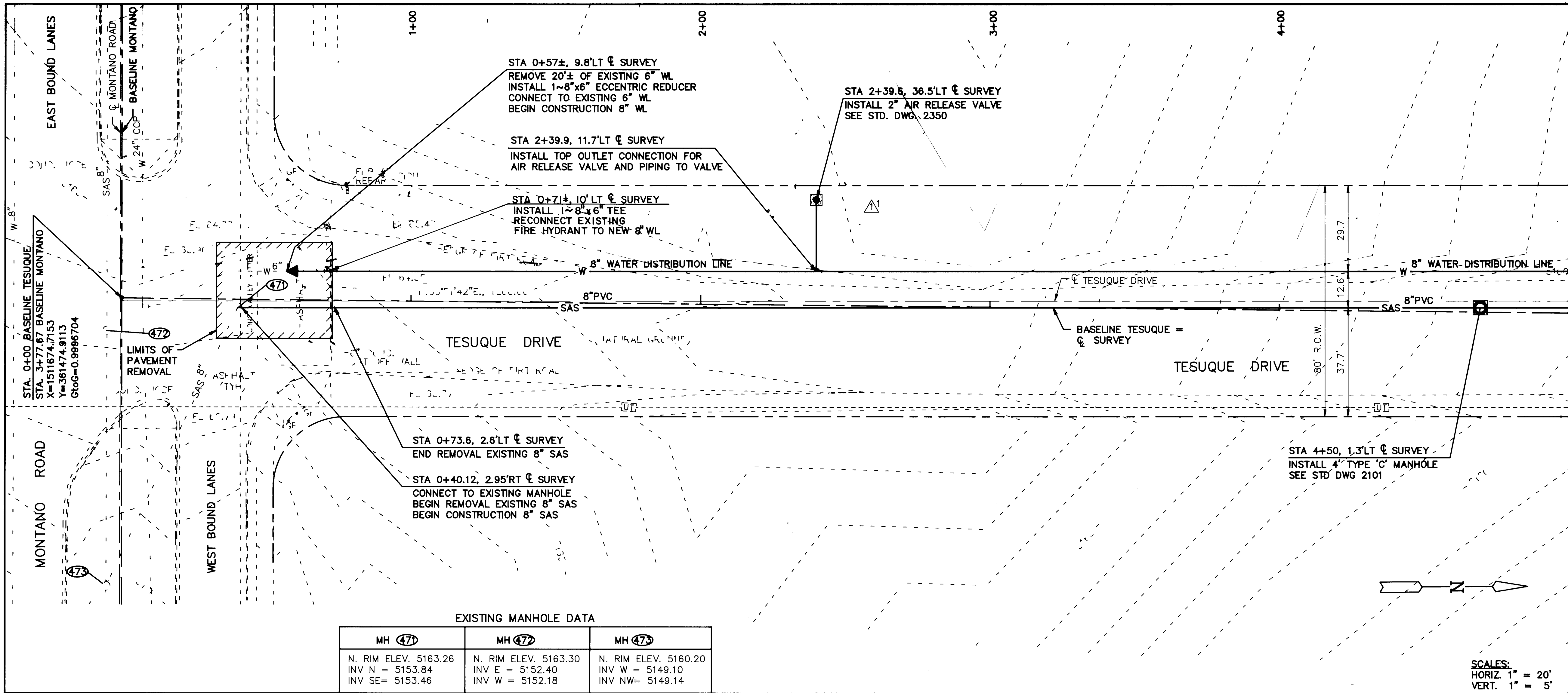
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 MISCELLANEOUS DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. W. Kane	9-8-92	WATER	R. W. Kane	9-2-92
TRANSPORTATION	R. W. Kane	9-8-92	WASTE WATER	R. W. Kane	9-2-92
HYDROLOGY	C. M.	9-8-92			
PROJECT NO.	4395.91	MAP H-11 & NO. E-10	SHEET 26	OF 31	

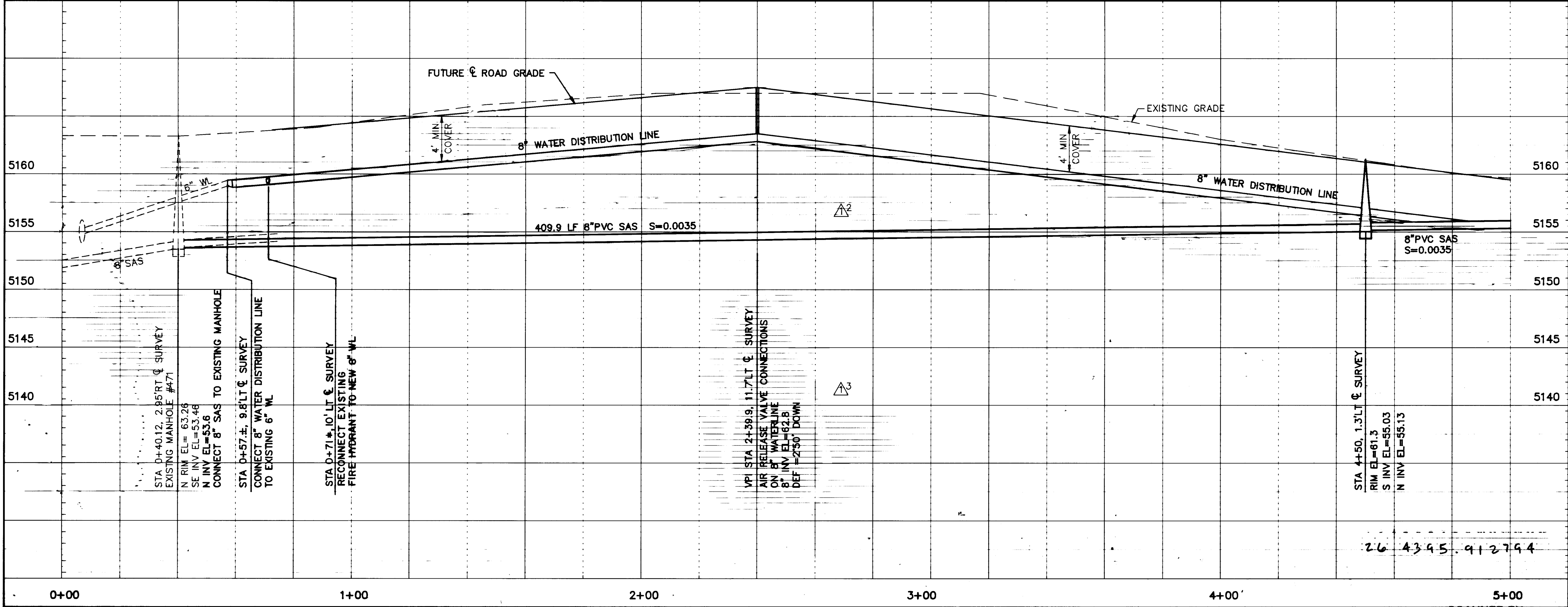
AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	MCC, Inc.	WORKED BY	MCC, Inc.	INSPECTED BY	DATE	12/92	ACCEPTANCE BY	DATE	6/93	VERIFICATION BY	DATE	6/93	DESIGNED BY	DATE	6/93
RECORDED BY	DATE	6/93	NO.	NO.	DATE	6/93	NO.	NO.	DATE	6/93	NO.	NO.	NO.	DATE	6/93



Robert E. Kane



EXISTING MANHOLE DATA		
MH (471)	MH (472)	MH (473)
N. RIM ELEV. 5163.26 INV N = 5153.84 INV SE = 5153.46	N. RIM ELEV. 5163.30 INV E = 5152.40 INV W = 5152.18	N. RIM ELEV. 5160.20 INV W = 5149.10 INV NW = 5149.14



MATCH LINE STA 5+00-SEE SHEET 28

SCALES:
HORIZ. 1" = 20'
VERT. 1" = 5'

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: June 23, 1992

RECORD DRAWING

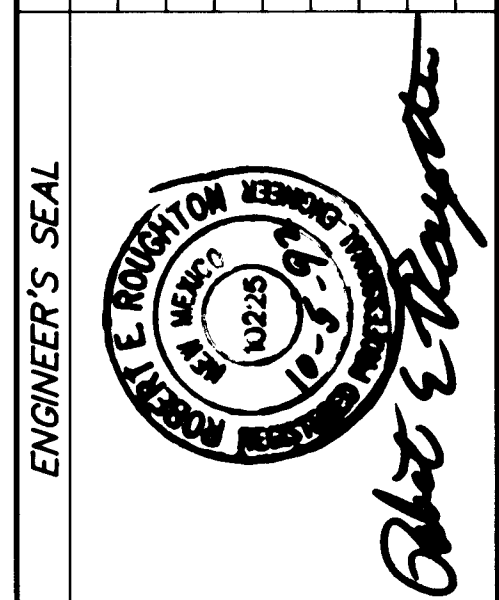
Date: JUN 23 1992
These drawings have been revised based on the construction records of the owner. While the information submitted by the owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

20/291013.13CD2/ZWEQ-PP1/10-2-92/KHK

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

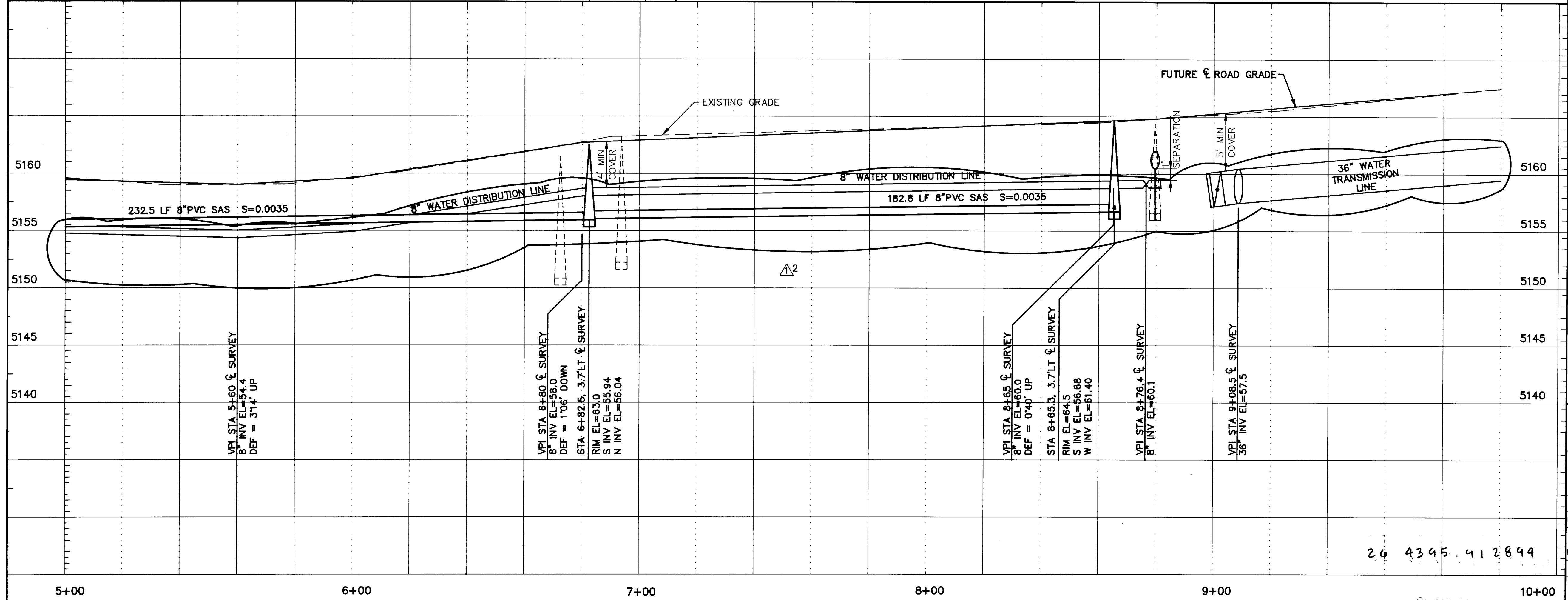
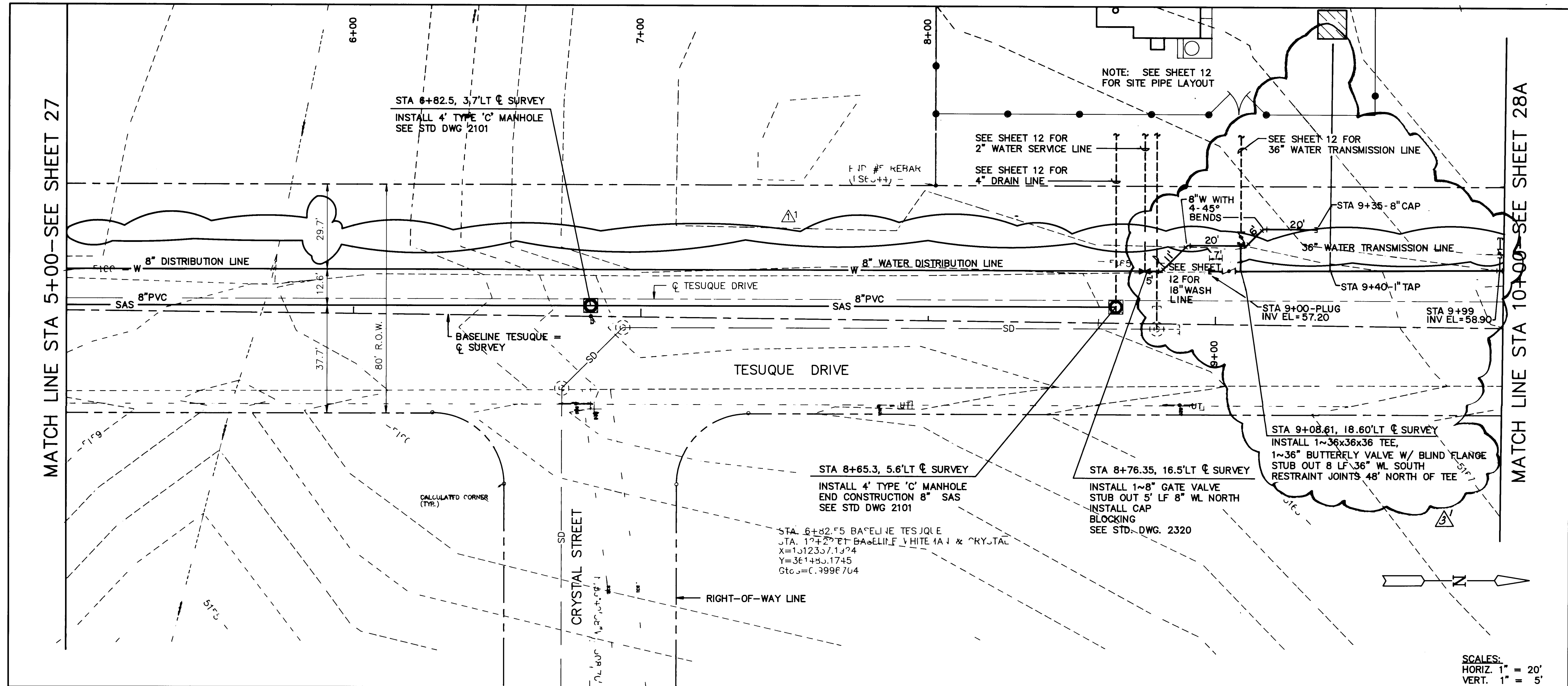
TITLES:			
ZAMORA WELL NO.1 WELL TRANSMISSION LINE PLAN AND PROFILE STA. 0+00 TO STA. 5+00			
APPROVALS	ENGINEER	DATE	ENGINEER
DRC CHAIRMAN	<u>Ralph A. Kane</u>	<u>10-6-92</u>	<u>Ralph A. Kane</u>
TRANSPORTATION	<u>R. Kane</u>	<u>10-6-92</u>	<u>Ralph A. Kane</u>
HYDROLOGY	<u>N/A</u>		
PROJECT NO.	4395.91	MAP NO.	E-10
		SHEET	27 OF 31

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES		2-H10 IS LOCATED APPROXIMATELY 1100 FT. SOUTH FROM THE CENTERLINE OF OURAY RD. NW, ON THE WESTSIDE OF 64TH ST., ELEVATION = 5108.81		CONTRACTOR: <u>MCC, Inc.</u>	
NO.	BY	DATE	DATE	INSPECTED BY	DATE
				ACCEPTANCE BY	DATE
				VERIFICATION BY	DATE
				DRAWN BY	DATE
				CHECKED BY	DATE
				RECORDED BY	DATE



DESIGN		REVISIONS	
NO.	DATE	NO.	DATE
1	6/93	1	6/93
2	6/93	2	6/93
3	6/93	3	6/93
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97	6/93	97	6/93
98	6/93	98	6/93
99	6/93	99	6/93
100	6/93	100	6/93

SCANNED BY
BY LASON



BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
2-H10 IS LOCATED APPROXIMATELY 100 FT. SOUTH FROM THE CENTERLINE OF OURAY RD. NW, ON THE WESTSIDE OF 64TH ST., ELEVATION = 5108.81			FIELD NOTES			L-H		
			NO. BY DATE			RECORD DRAWING		
CONTRACTOR MCC, INC.			DATE			10-92		
INSPECTOR'S NAME			DATE			10-92		
FIELD VERIFICATION BY C.O.A.			DATE			10-92		
COORDINATED BY L-H			DATE			10-92		
RECORDED BY			DATE			DESIGNED BY K. STETZER		
NO.						DRAWN BY D. MEDINA		
						CHECKED BY K. BURT		
						DATE JUNE 1992		
						DATE JUNE 1992		
						DATE JUNE 1992		

APPROVAL OF RECORD DRAWINGS

Project Engineer

Date

RECORD DRAWING

JUN 23 1993

These drawings have been revised based on the construction records of the owner. While the information submitted by the owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record drawing as a result thereof.

20/Z91013.13CD2/ZWEQ-PP2/10-5-92/KHK

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION

TITLE: ZAMORA WELL NO.1

WELL TRANSMISSION LINE PLAN AND PROFILE

STA. 5+00 TO STA. 10+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. W. Kane	10-6-92	WATER	R. W. Kane	10-6-92
TRANSPORTATION	R. W. Kane	10-6-92	WASTE WATER	R. W. Kane	10-6-92
HYDROLOGY	N/A				

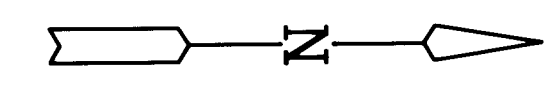
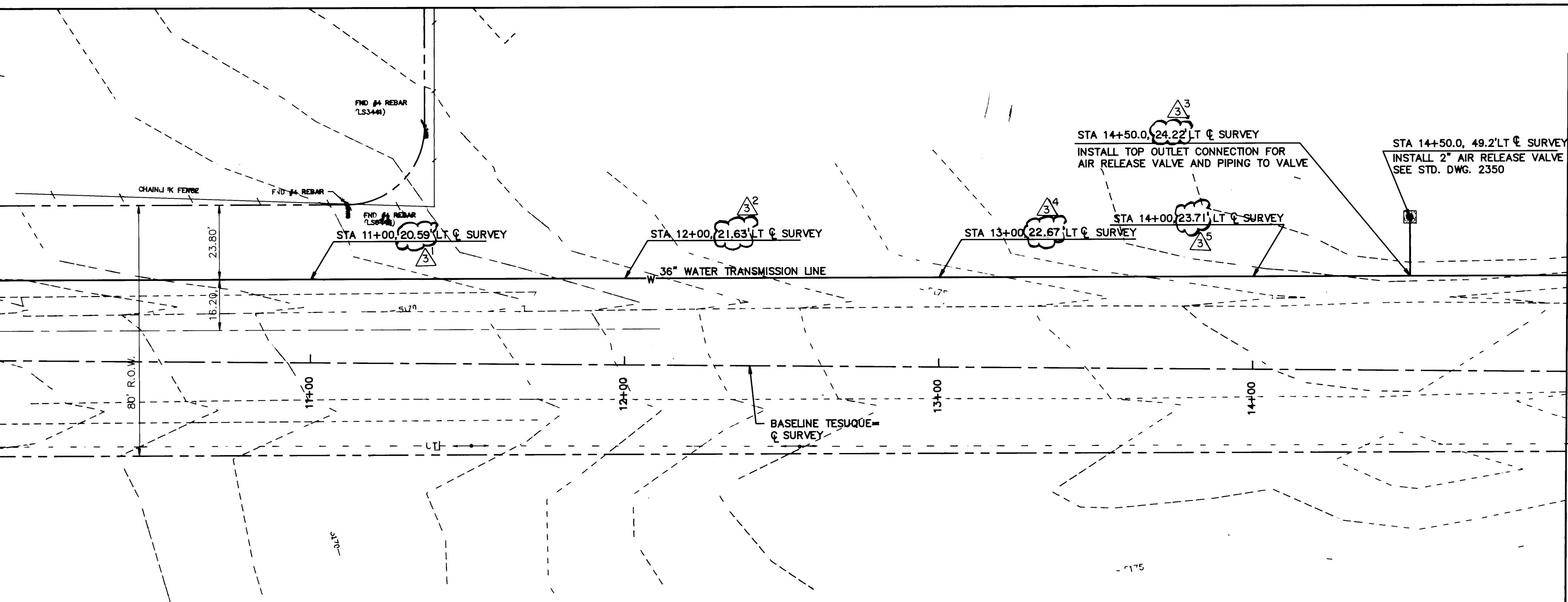
PROJECT NO. 4395.91

MAP NO. H-11

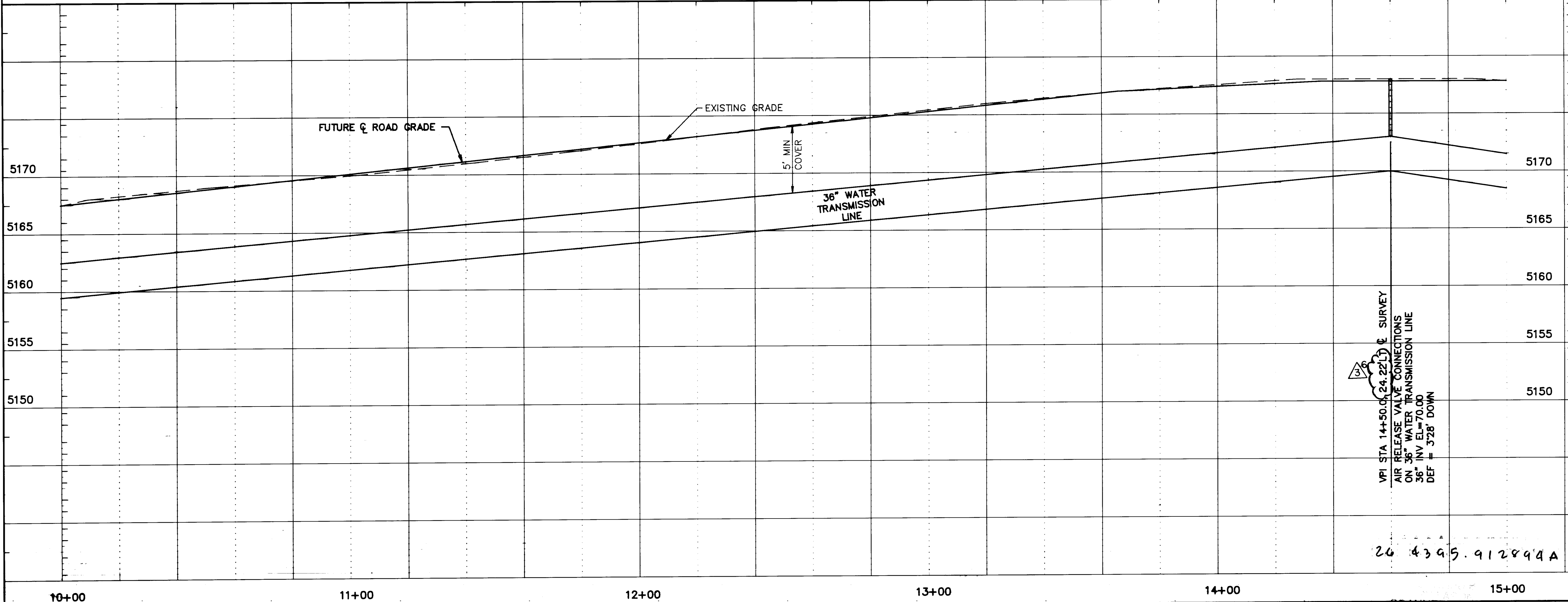
SHEET 28 OF 31

MATCH LINE STA 10+00—SEE SHEET 28

MATCH LINE STA 15+00—SEE SHEET 28B



SCALES:
HORIZ. 1" = 20'
VERT. 1" = 5'



APPROVAL OF RECORD DRAWINGS
Project Engineer
[Signature]
Date: *[Date]*

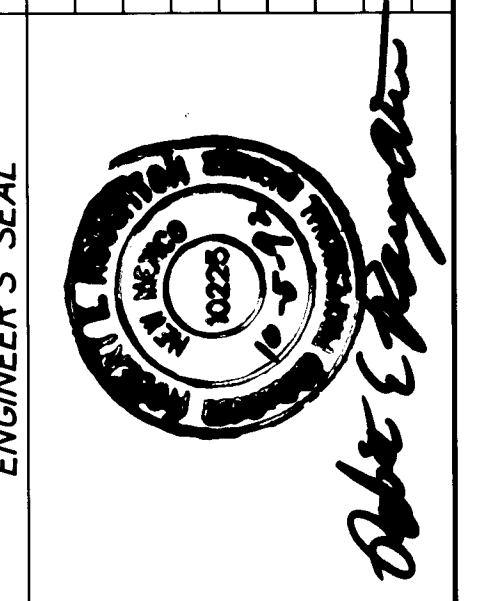
RECORD DRAWING
Date: **JUN 23 1993**
These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in this record document as a result thereof.

20/281013.13C03/ZWEQ-PP3/10-5-92/KHK

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE:					
ZAMORA WELL NO.1 WELL TRANSMISSION LINE PLAN AND PROFILE STA. 10+00 TO STA. 15+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	10-6-92	WATER	<i>[Signature]</i>	10-6-92
TRANSPORTATION	<i>[Signature]</i>	10-26-92	WASTE WATER	<i>[Signature]</i>	10-6-92
HYDROLOGY	N/A				
PROJECT NO.		MAP NO.		SHEET OF	
4395.91		H-11		28A 31	

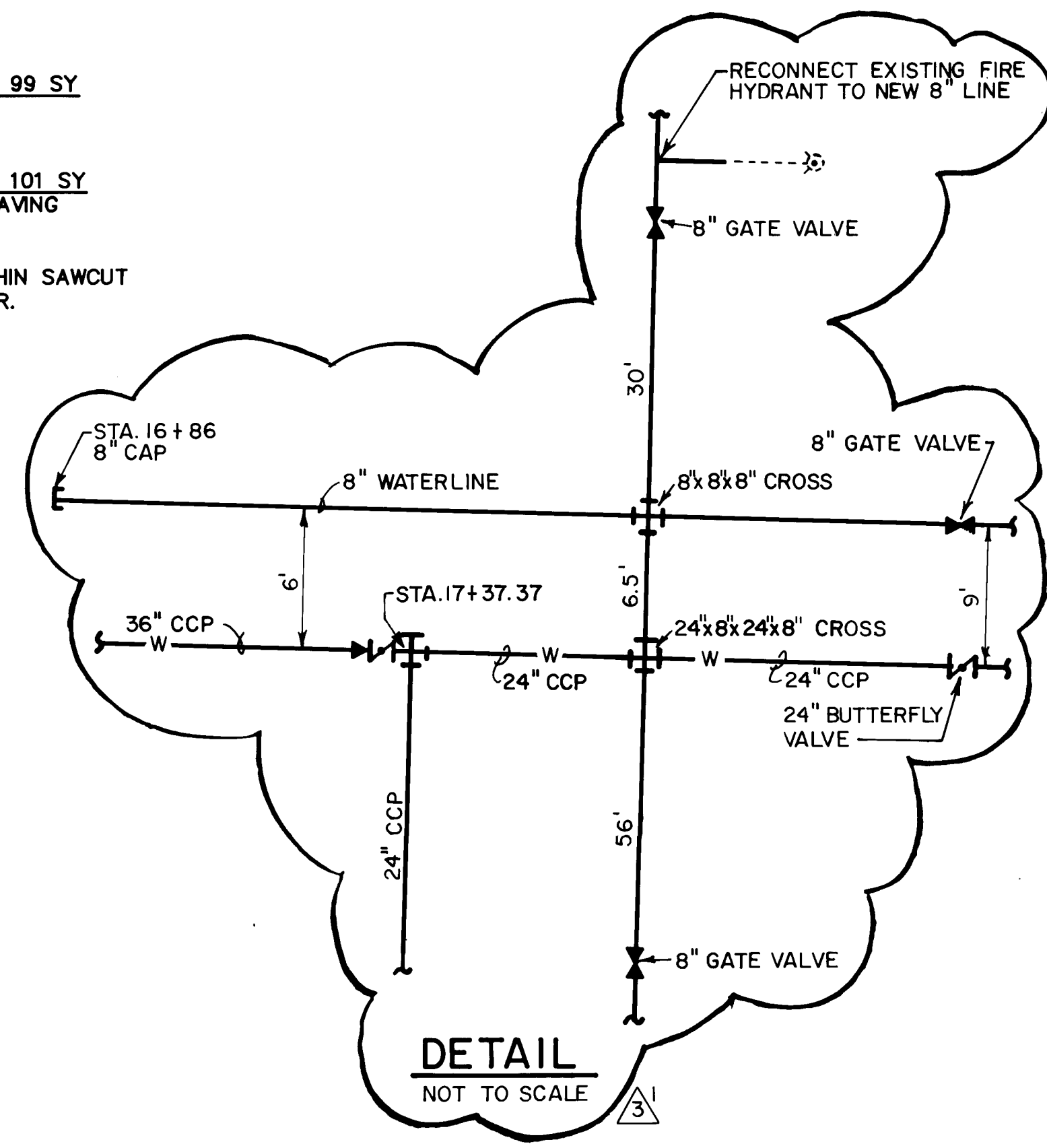
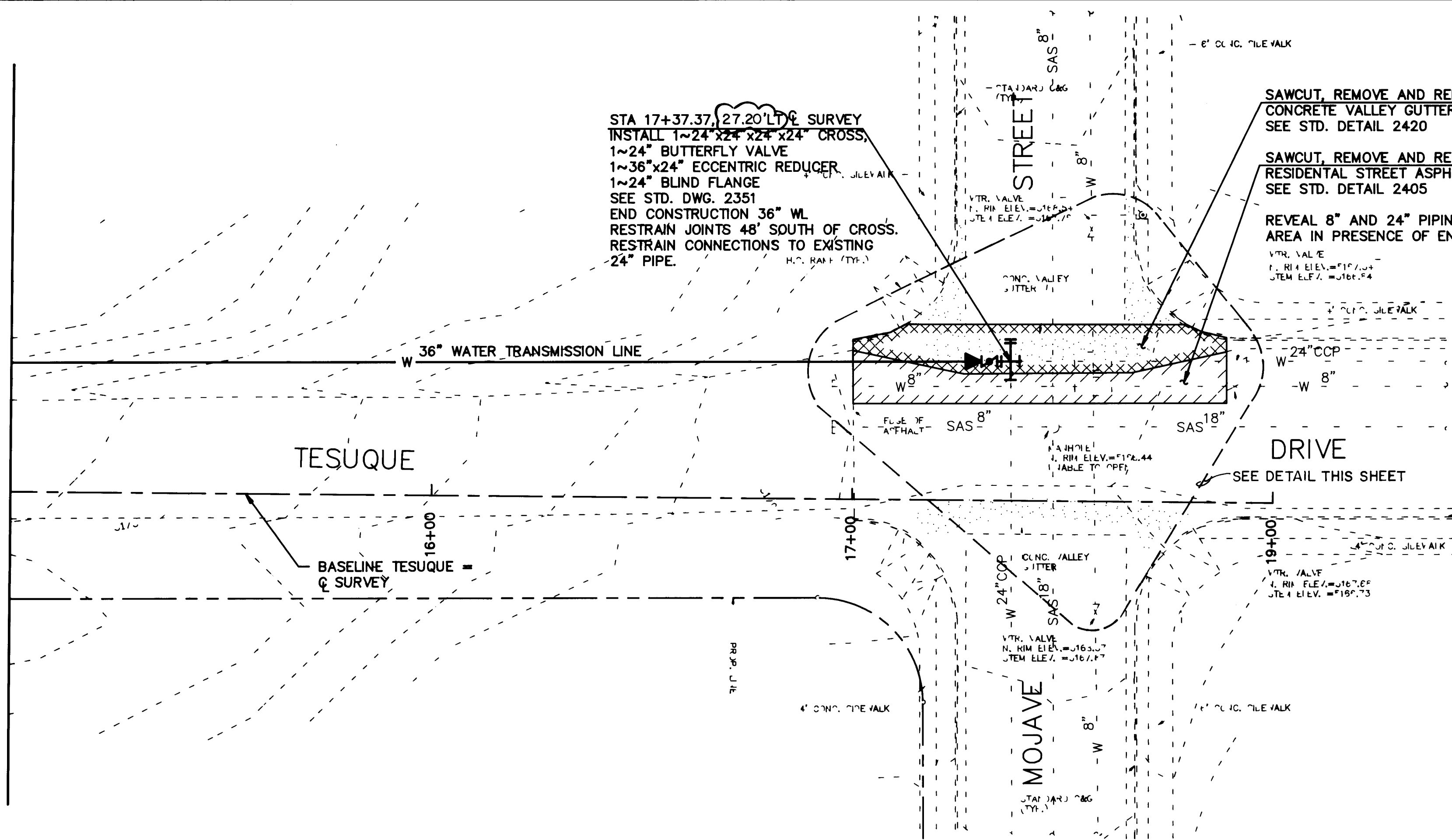
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	BY	DATE	CONTRACTOR	MCC, Inc.
				STARTED BY	12/92
				INSPECTOR	3/93
				FIELD VERIFICATION BY	3/93
				CORRECTED BY	6/93
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	DATE



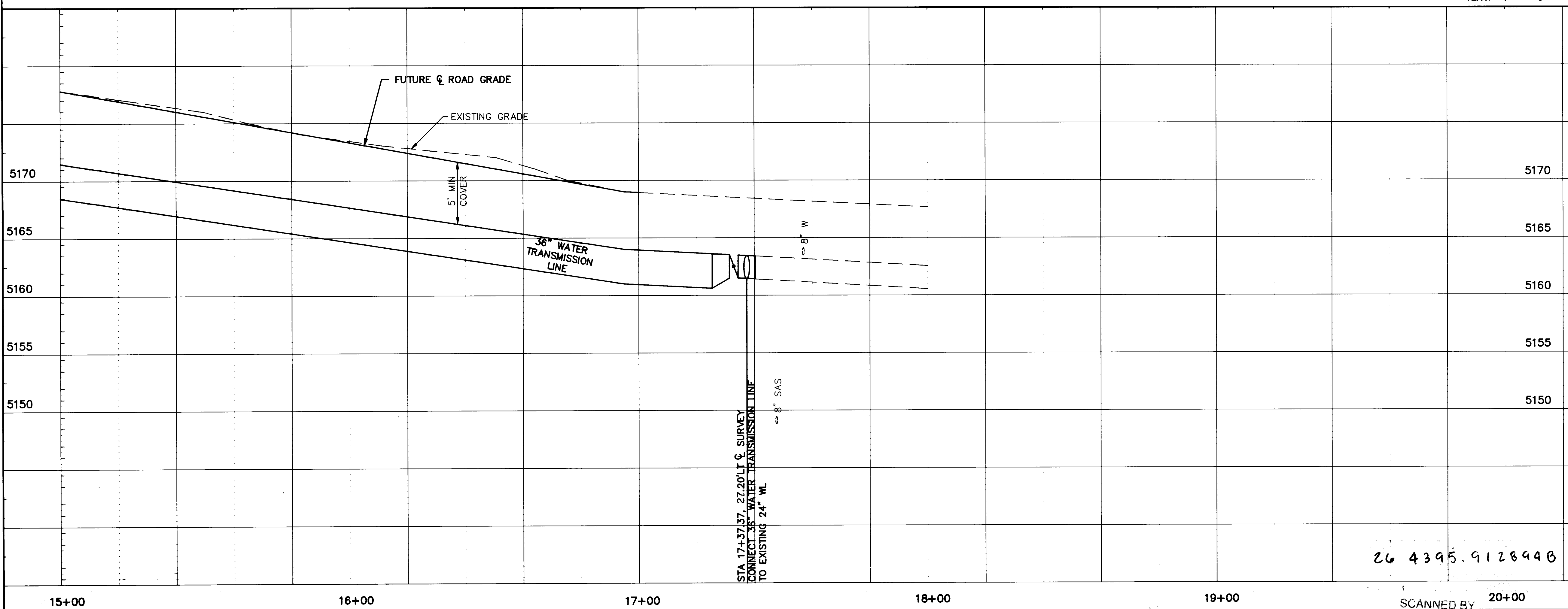
DESIGN	DATE	DESIGNED BY
DESIGN	OCT 1992	B. ROUGHTON
REVISIONS	DATE	CHECKED BY
REVISIONS	OCT 1992	K. H. KROHN
	OCT 1992	K. BURT

SCANNED BY LASON

MATCH LINE STA 15+00-SEE SHEET 28A



SCALES:
HORIZ. 1" = 20'
VERT. 1" = 5'



APPROVAL OF RECORD DRAWINGS
Project Engineer
[Signature]
Date: *[Date]*

RECORD DRAWING

Date: *June 23 1993*
These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

20/Z91013.13C03/ZWEO-PP4/10-5-92/KHK

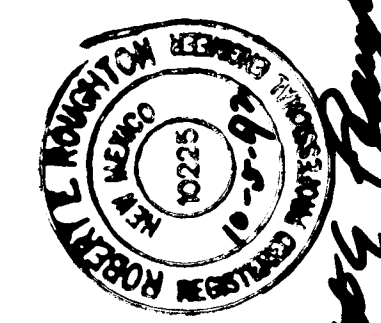
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: ZAMORA WELL NO.1 WELL TRANSMISSION LINE PLAN AND PROFILE STA. 15+00 TO STA. 17+37.37					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	10-6-92	WATER	<i>R.W. Kane</i>	10-6-92
TRANSPORTATION	<i>[Signature]</i>	10-26-92	WASTE WATER	<i>R.W. Kane</i>	10-6-92
HYDROLOGY	<i>[Signature]</i>				

PROJECT NO. 4395.91 MAP NO. H-11 SHEET 28B OF 31

SURVEY INFORMATION			
FIELD NOTES	BY	DATE	
NO.			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

ENGINEER'S SEAL			
NO. 1	6/93	Record Drawing	L-H
NO. 2	10-92	NEW SHEET	BY
NO. 3	DATE	REMARKS	
NO. 4	DATE	REVISIONS	
NO. 5	DATE	DESIGN	
NO. 6	DATE	DRAWN BY K. H. KROHN	
NO. 7	DATE	CHECKED BY K. BURT	
NO. 8	DATE	DESIGNED BY B. ROUGHTON	
NO. 9	DATE	DATE OCT 1992	
NO. 10	DATE	DATE OCT 1992	
NO. 11	DATE	DATE OCT 1992	



[Signature]

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHEN THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE SHOWN. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

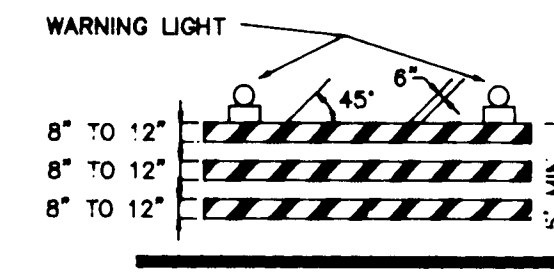
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

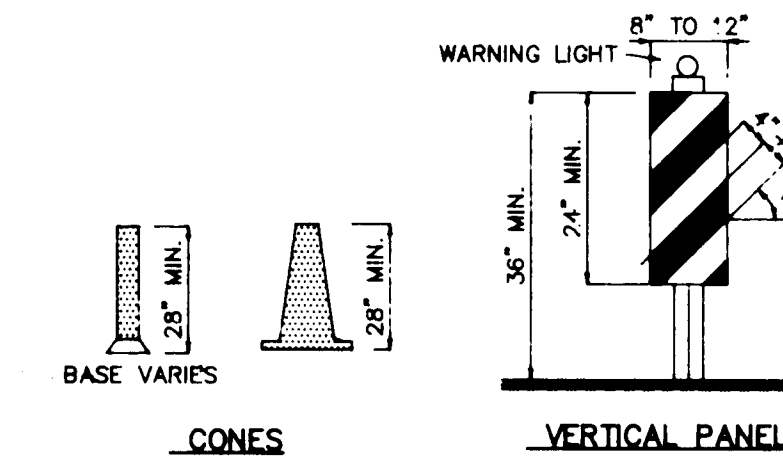
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

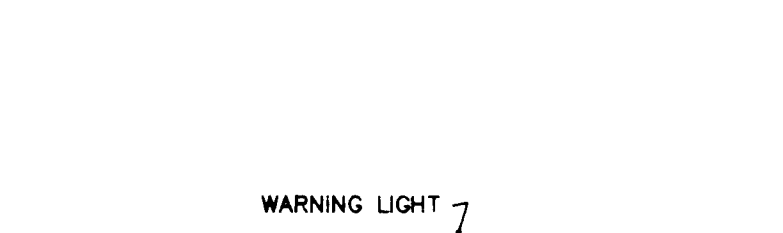
PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES



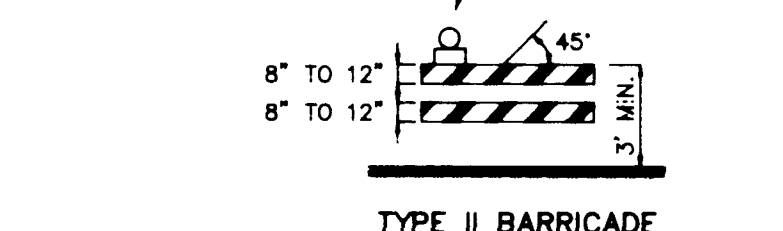
TYPE III BARRICADE



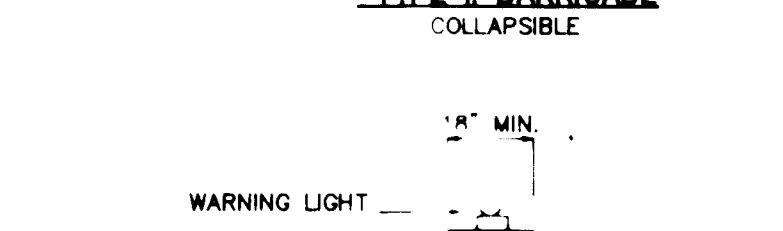
TYPE II BARRICADE



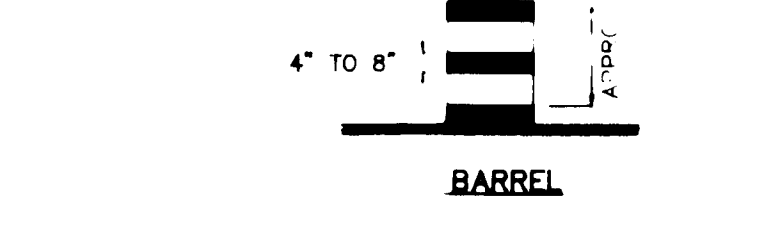
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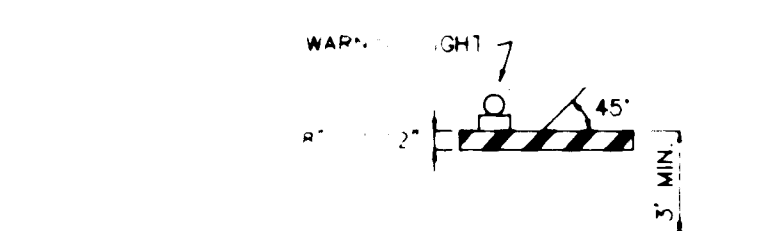
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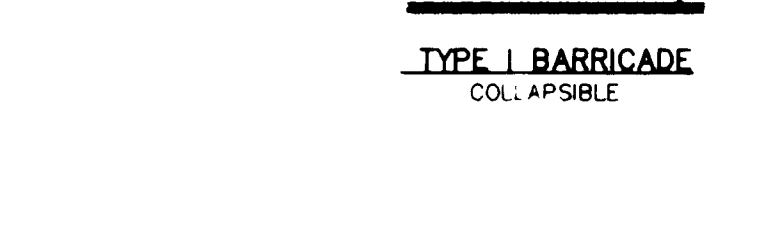
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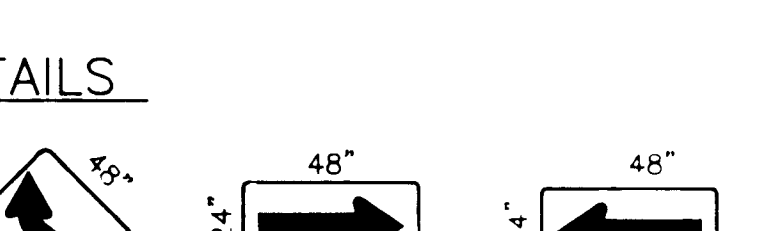
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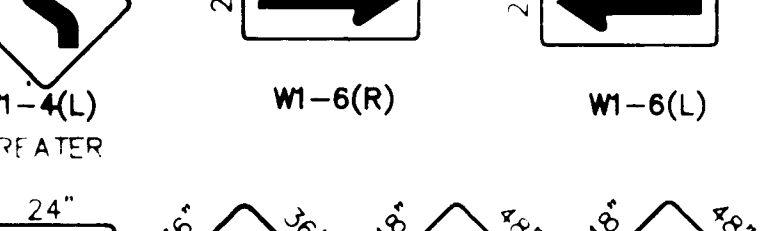
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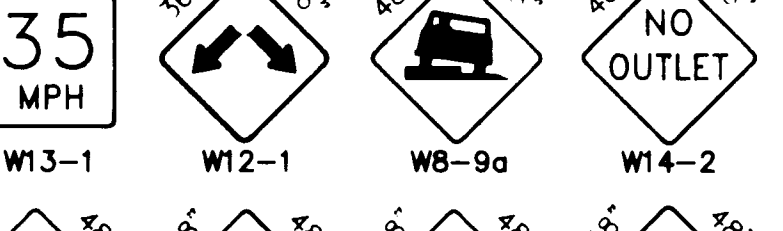
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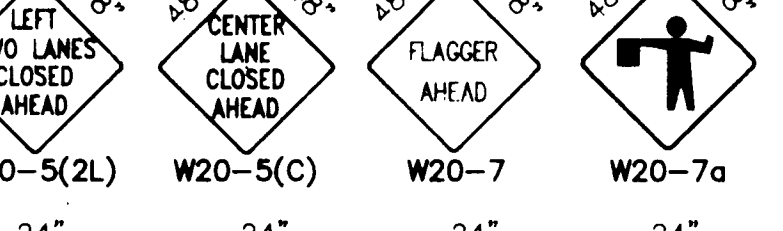
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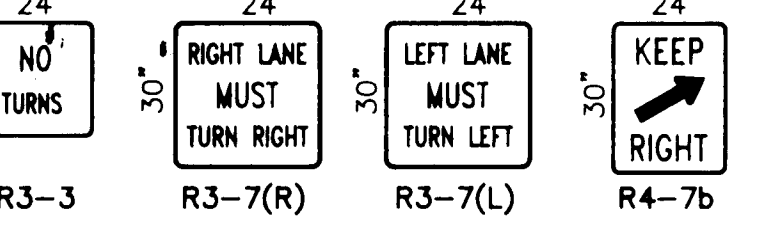
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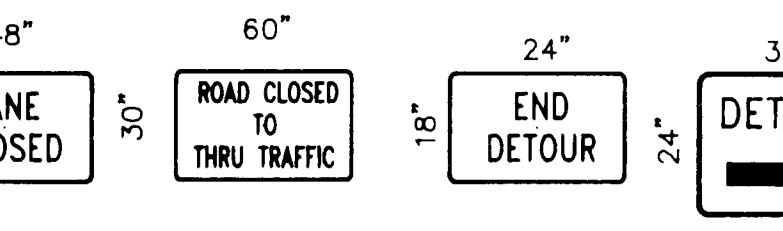
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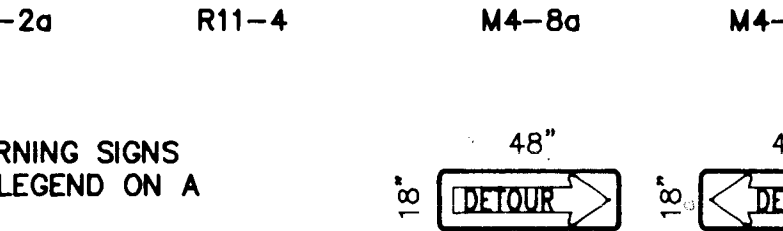
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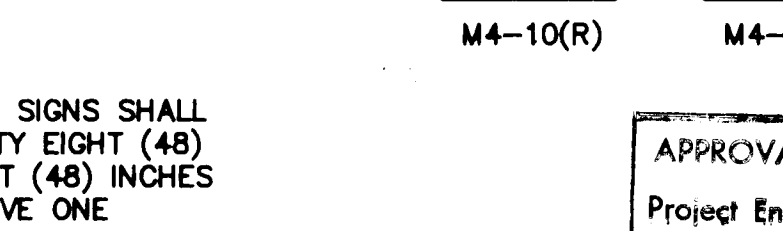
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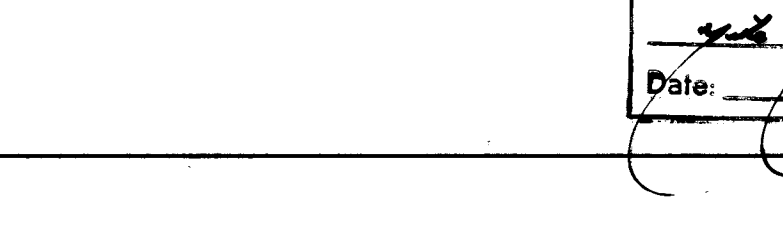
TYPE II BARRICADE



TYPE I BARRICADE



TYPE II BARRICADE



TYPE I BARRICADE

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

SPEED PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

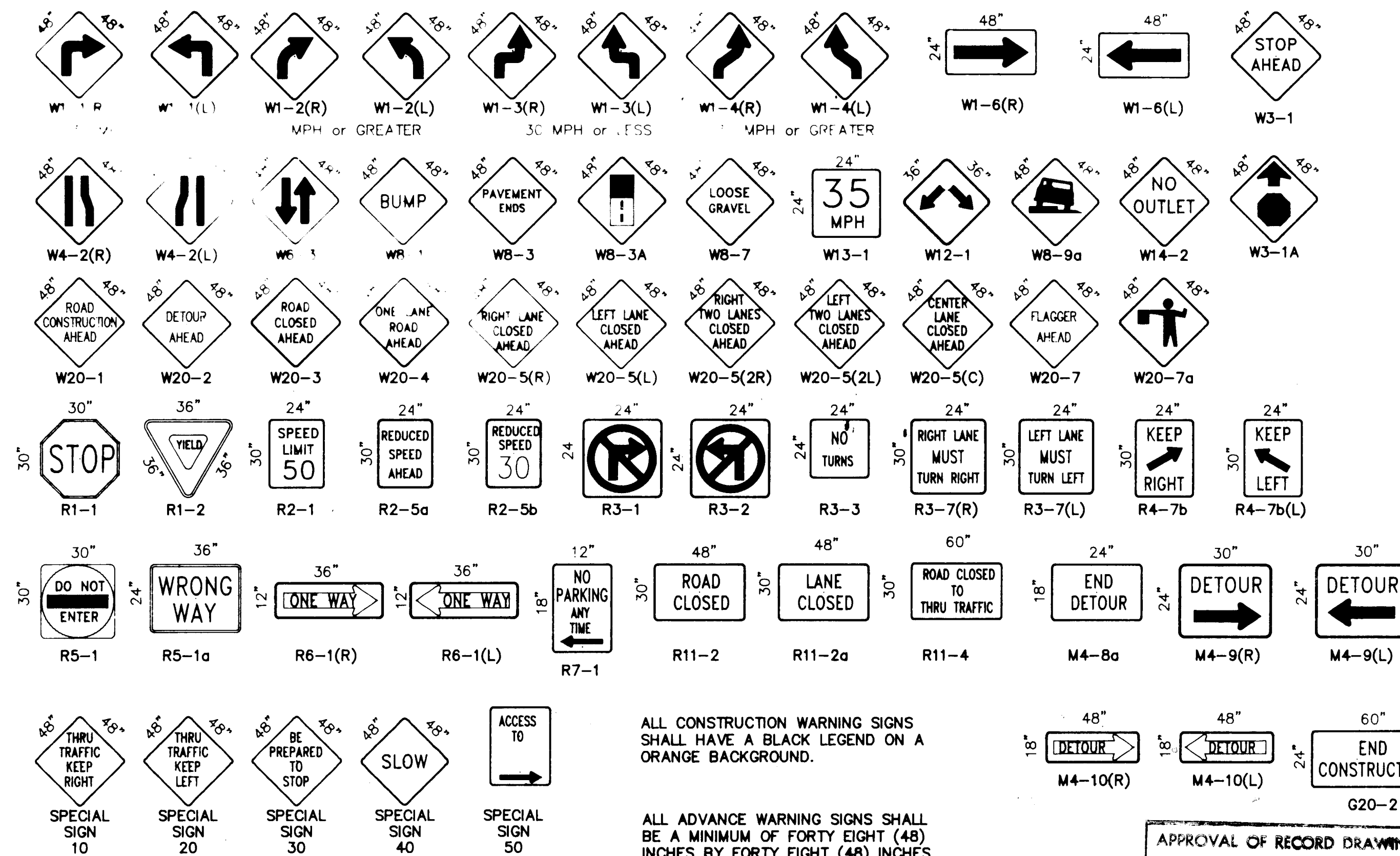
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSIDE TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L = WS ² / 60
40 MPH OR LESS	L = WS ² / 60
45 MPH OR GREATER	L = W X S

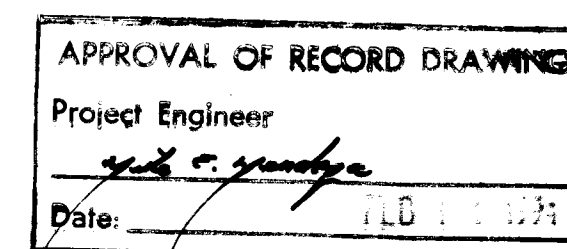
L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN PLATE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

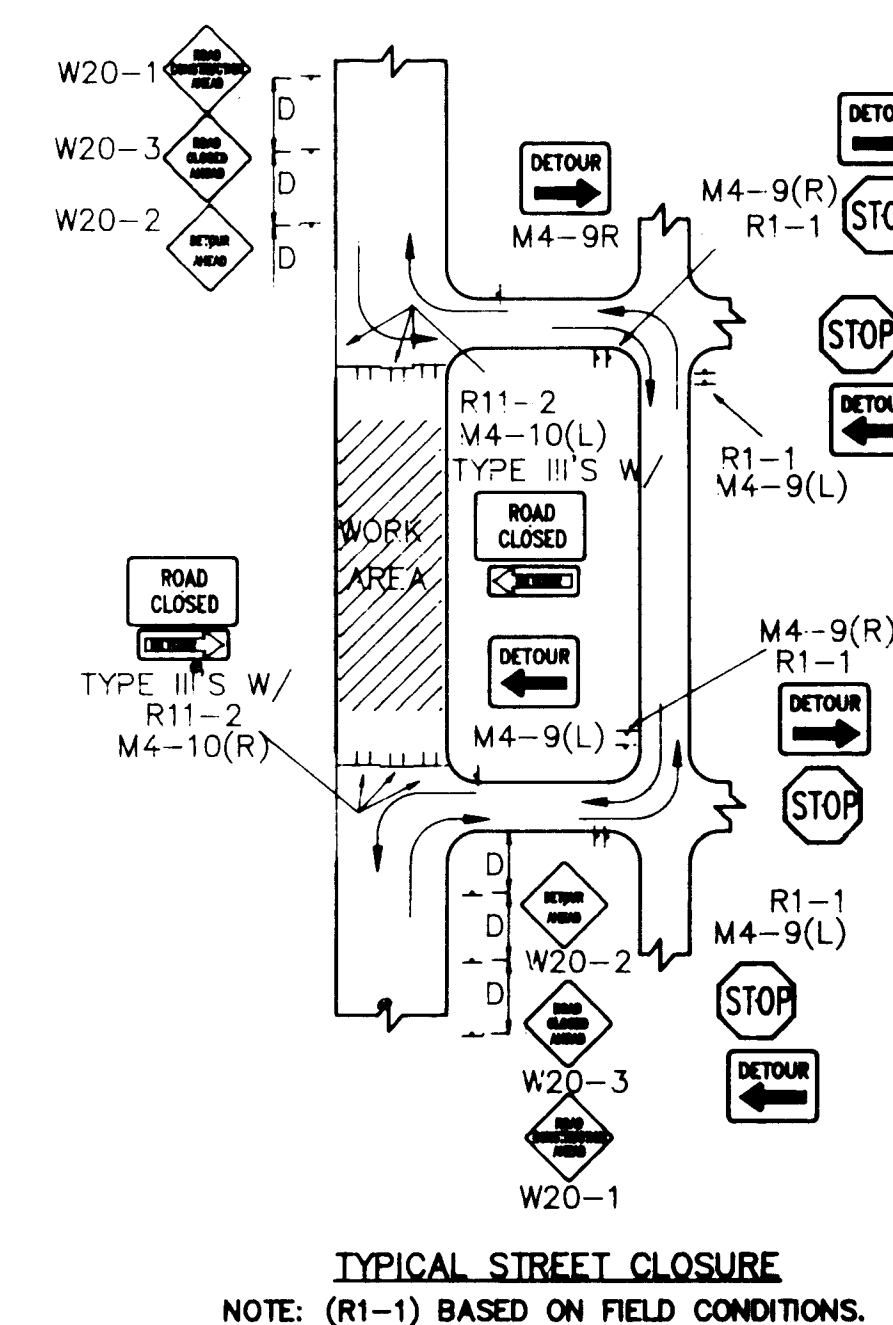
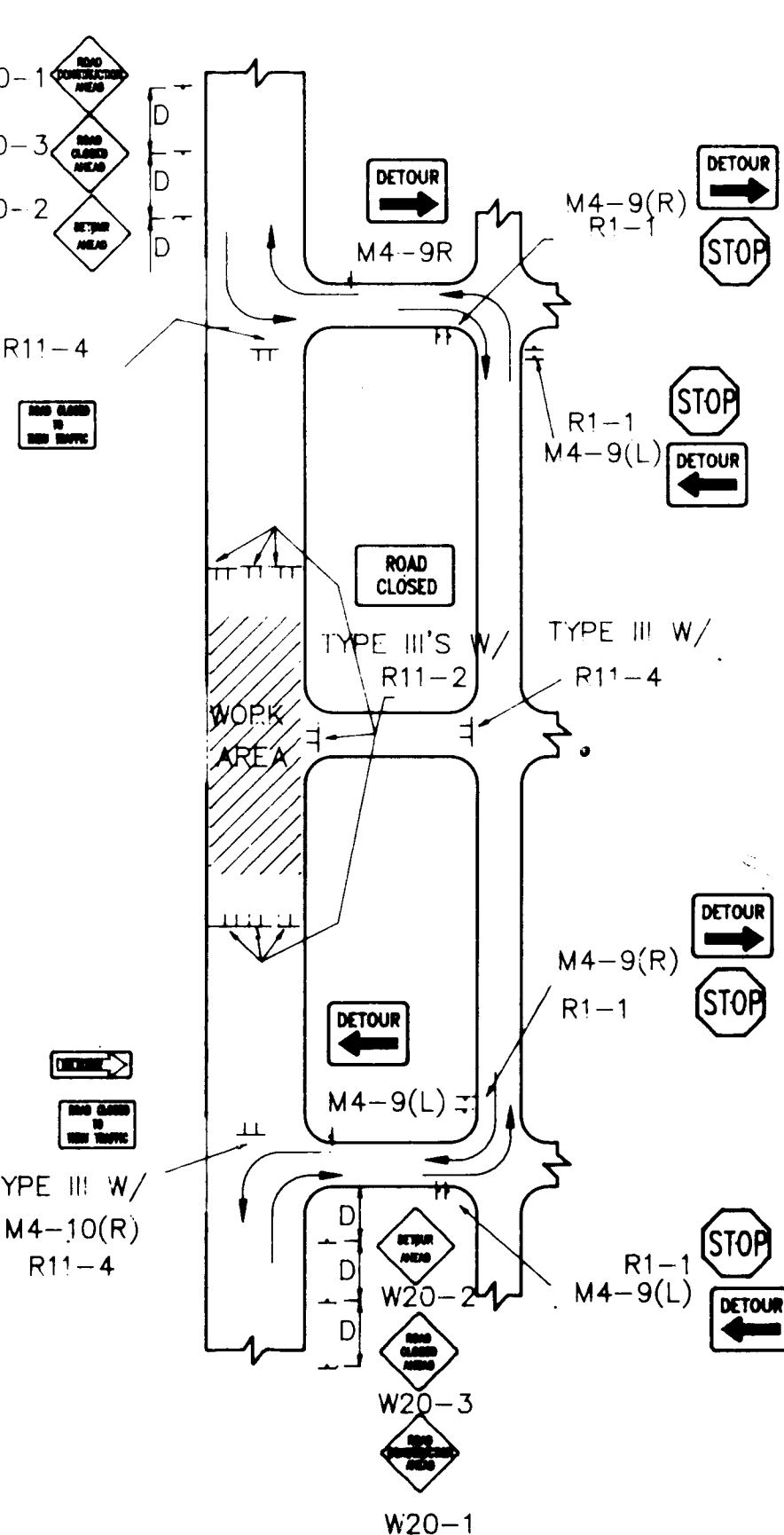
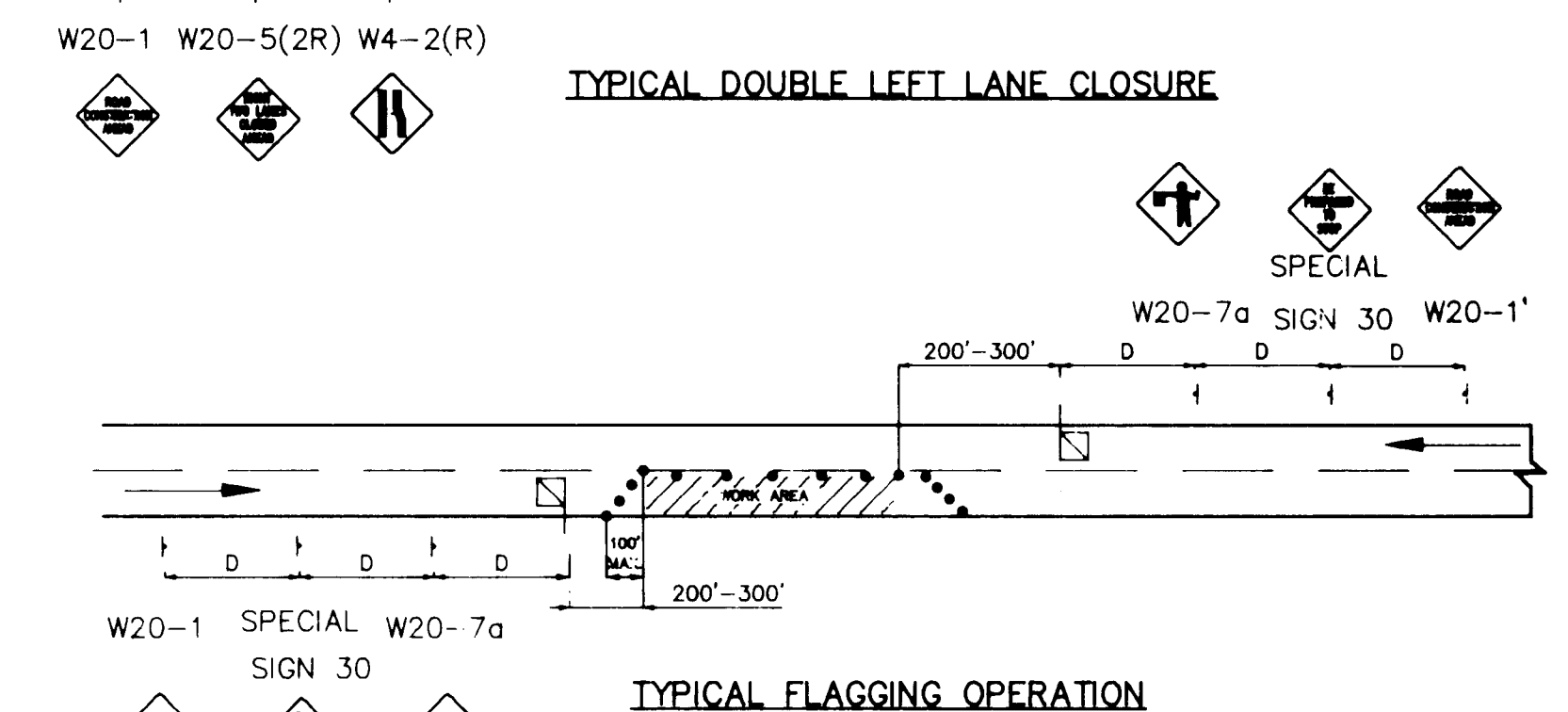
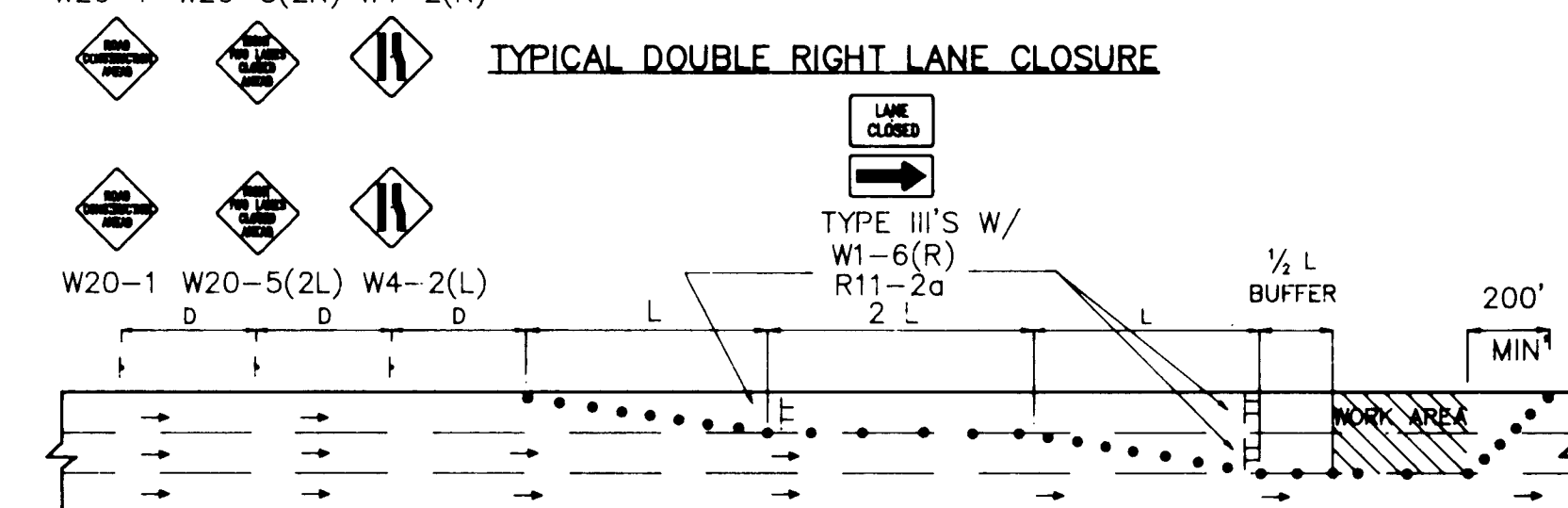
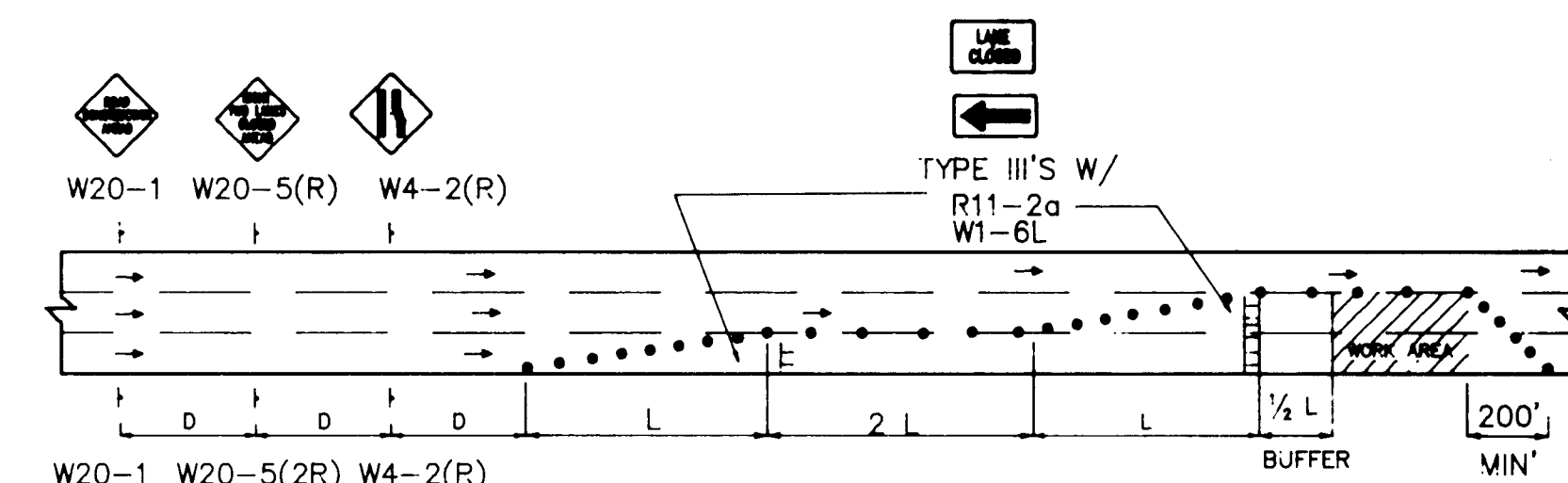
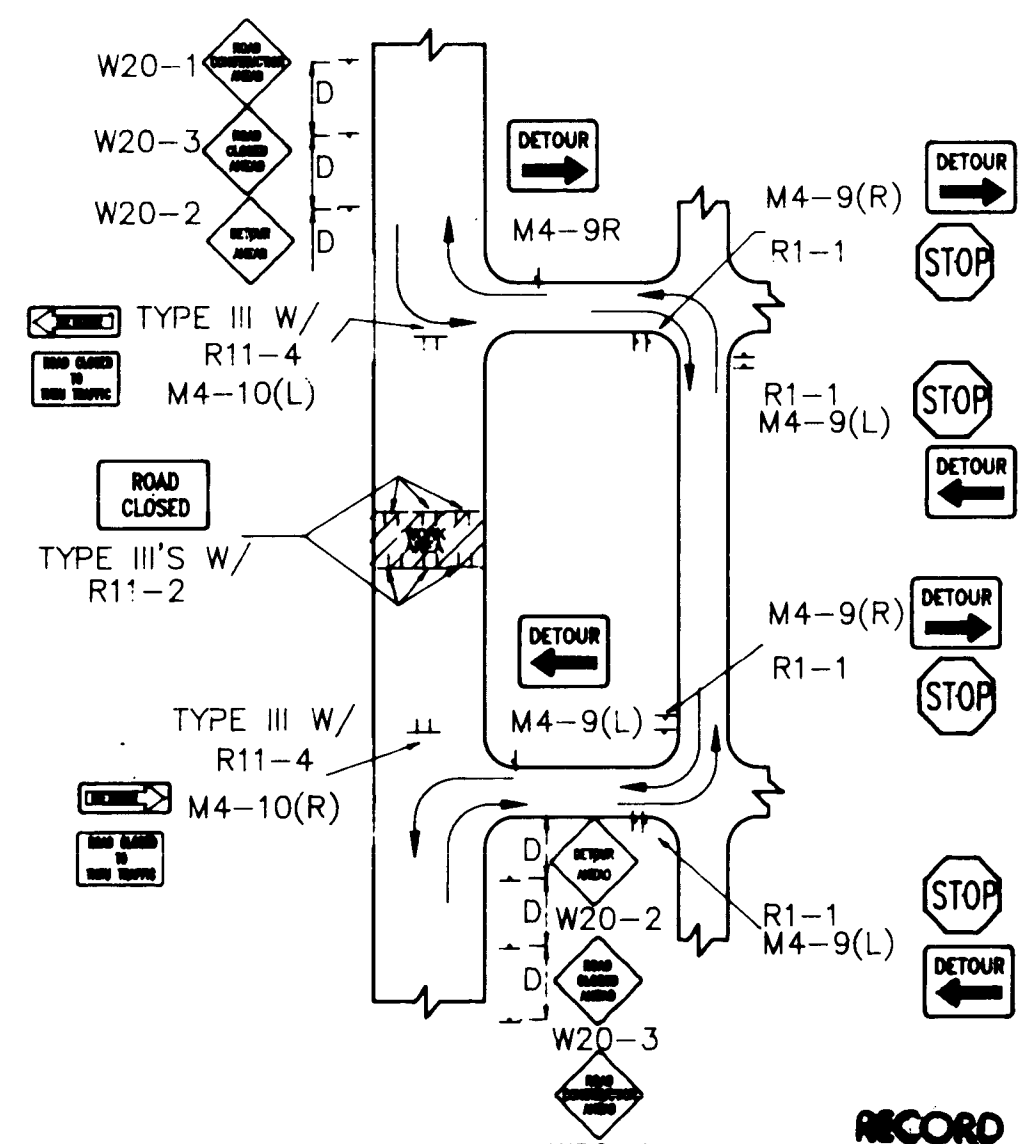
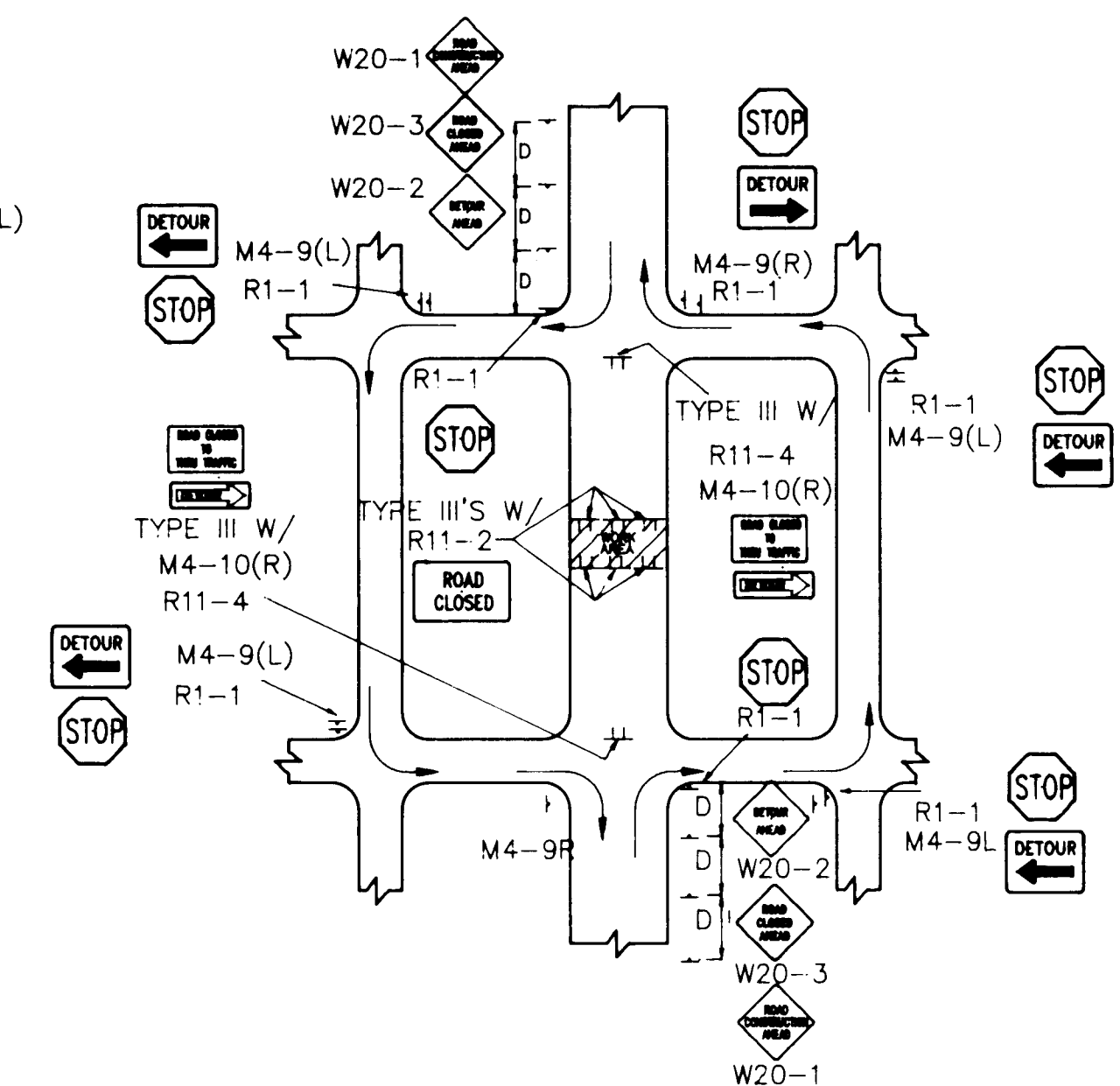
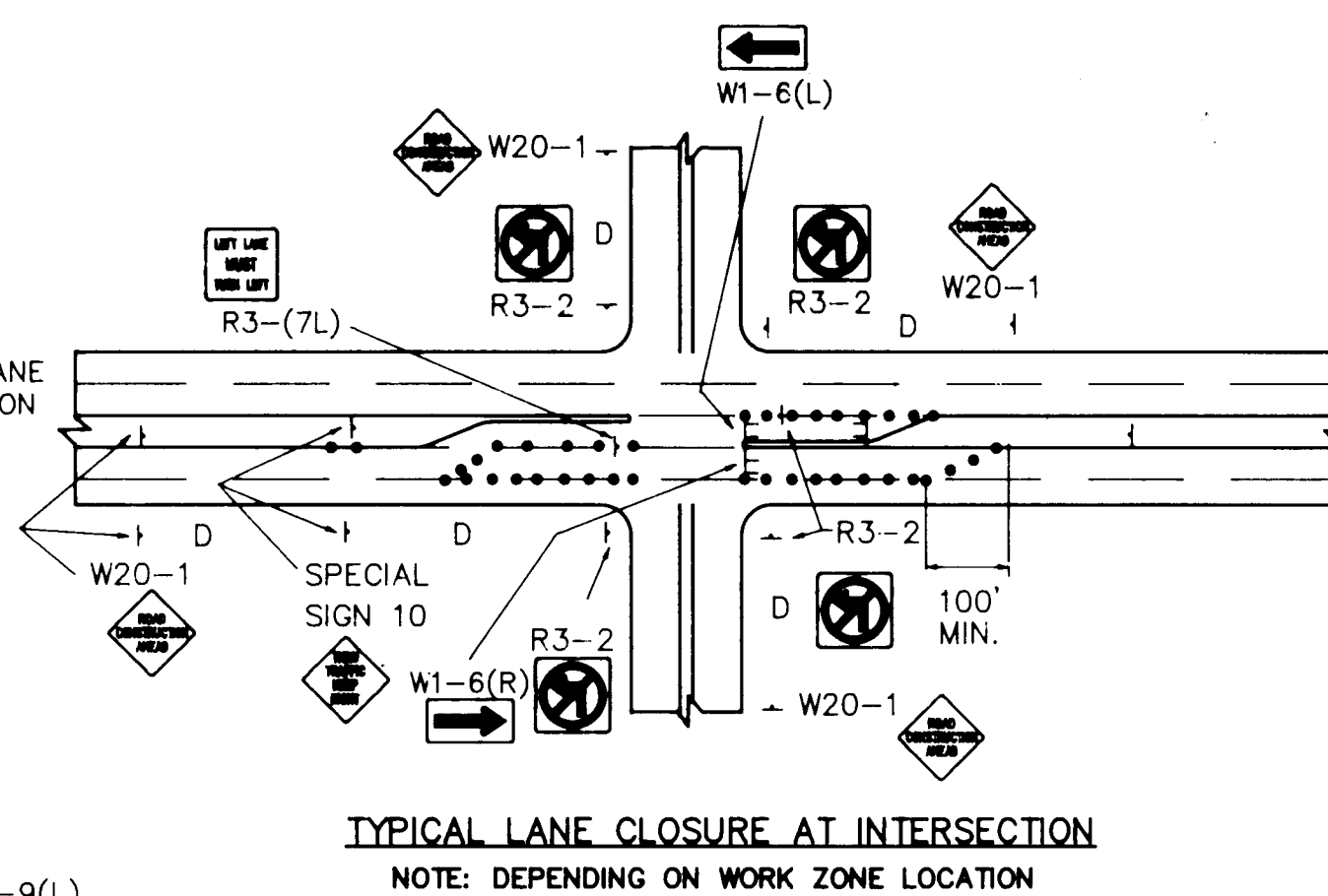
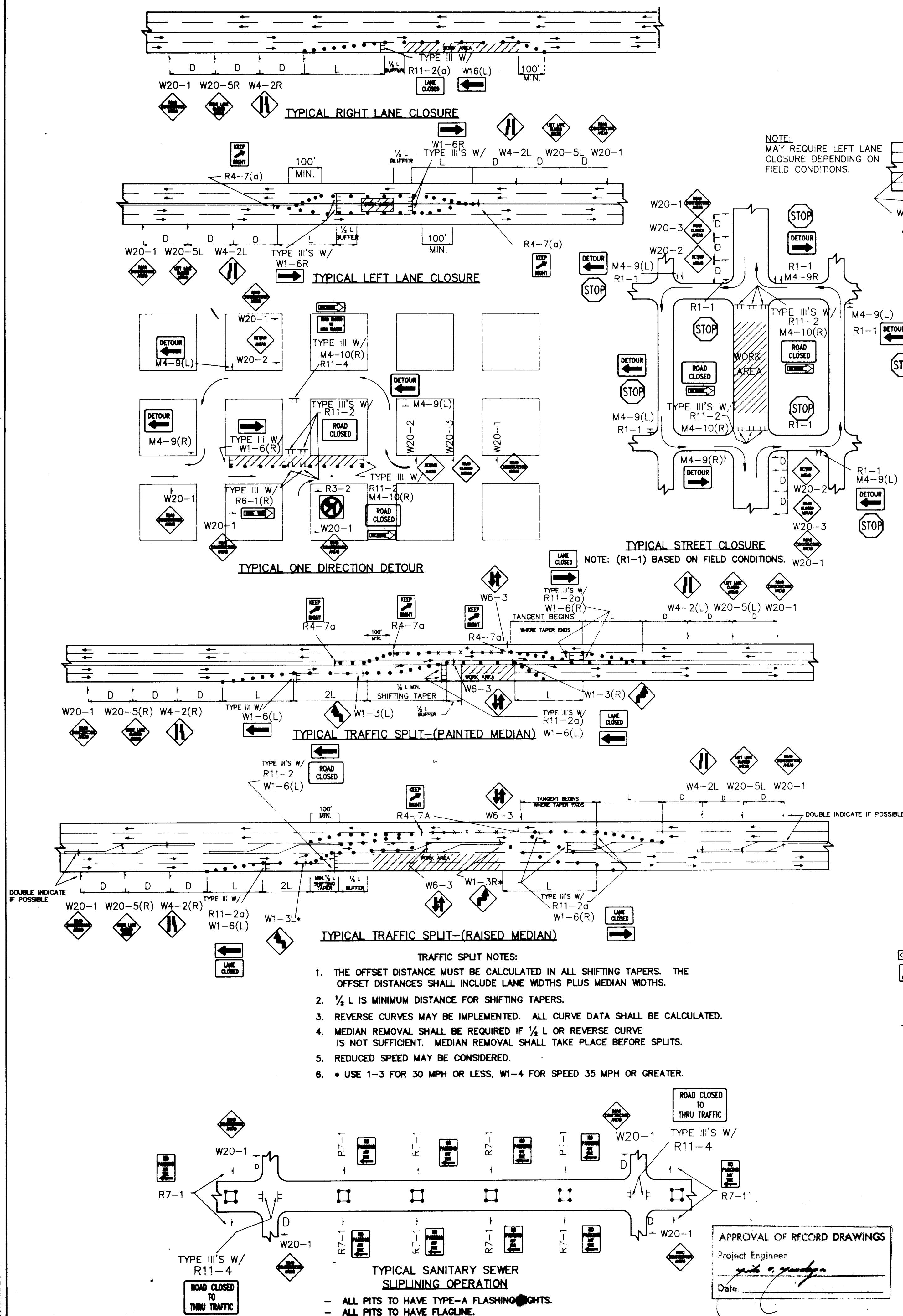
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



RECORD DRAWING

Date: 8/22/99
These drawings have been prepared based on the construction records of the owner. While the information submitted by the owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for any omissions which may appear in the record document as a result thereof.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Regalado	9-8-92	WATER	R.W. Kane	9-2-92
TRANSPORTATION	N.A. C.W.B.	9-28-92	WASTE WATER	R.W. Kane	9-2-92
HYDROLOGY	C.A.M.	9-8-92			
PROJECT NO. 4395.91			MAP NO. H-118 SHEET OF 30 31		



QUERQUE DEPARTMENT GROUP		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	TH	DATE	REMARKS	BY	NO.	FIELD NOTES	DATE	CONTRACTOR	DATE
A	6/83	Record Drawing	L-H	BY				STARTED BY	DATE
								INSPECTOR'S	DATE
								APPROVED BY	DATE
								VERIFICATION BY	DATE
								DRAWINGS	DATE
								CORRECTED BY	DATE
								MICRO-FILM INFORMATION	
								RECORDED BY	DATE
								NO.	



Robert E. Roughead

DESIGN		DATE	
DESIGNED BY	RICARDO ROYBAL, P.E.	NOV. 1991	
DRAWN BY	C.A.D.D./M.L.B./A.F.V.	NOV. 1991	
CHECKED BY		DATE	

ELL NO. 1 AND

EXAMPLES (REF. M.U.T.C.D.)

ROVALS	ENGINEER	DATE
ER	<i>R.W. Kame</i>	<i>9-2-92</i>
TE WATER	<i>R.W. Kame</i>	<i>9-2-92</i>

-118 SHEET OF

-10 31 31

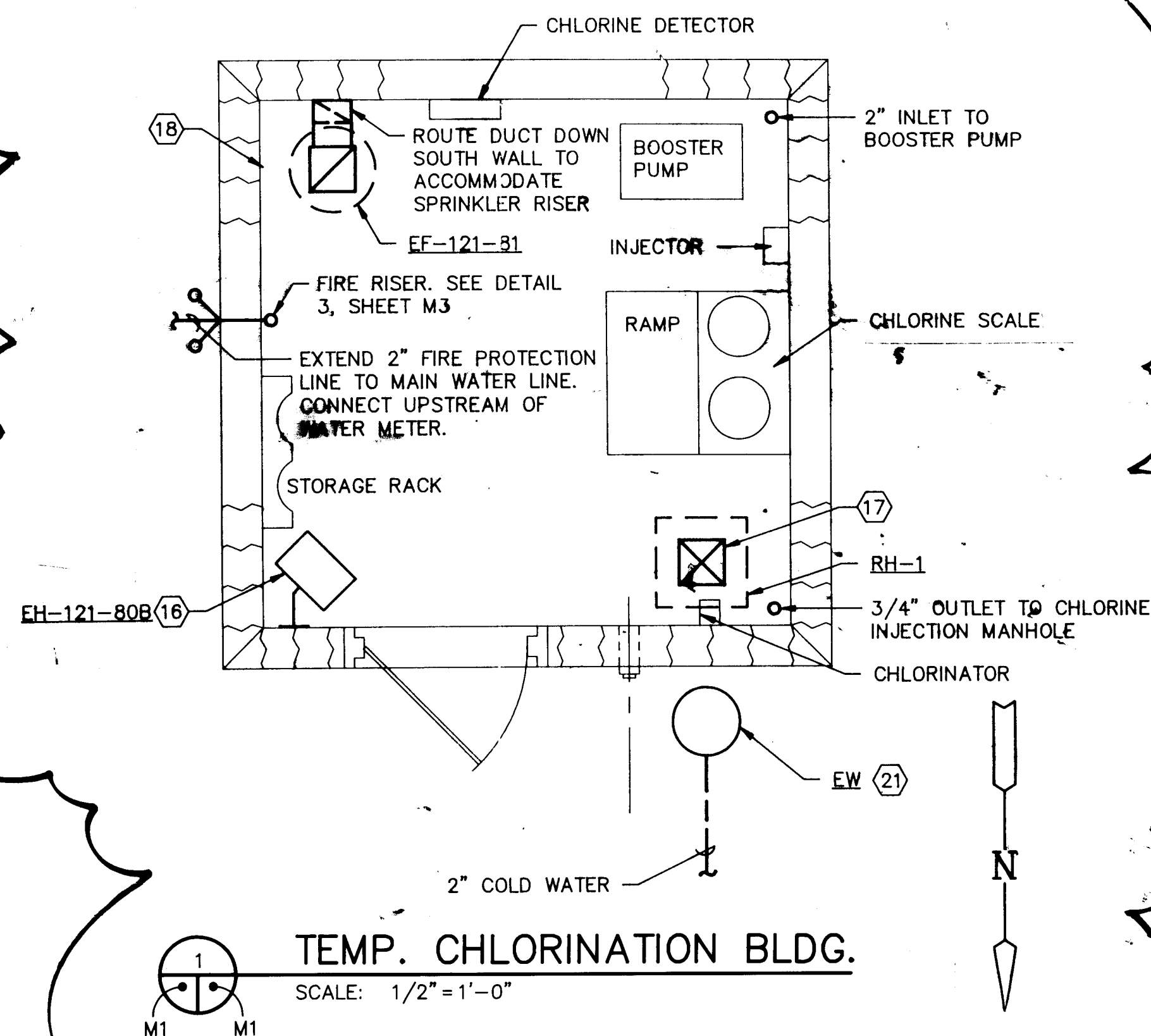
NOTES

- CONTRACTOR TO COORDINATE LOCATION OF SPRINKLER HEADS WITH LIGHTS AND GRILLES PRIOR TO INSTALLATION.
- DRAWING SHOWS FIRE PROTECTION SYSTEM CRITERIA. SYSTEM SHALL BE HYDRAULICALLY CALCULATED AND DESIGNED BY FIRE PROTECTION CONTRACTOR.
- SYSTEM TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13.
- SPRINKLER SYSTEM DESIGN/LAYOUT SHALL BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION.

SPRINKLER SCHEDULE

SPRINKLER DESIGN AREA (SQ. FT.)	DENSITY (GPM/SQ. FT.)	OCCUPANCY	DURATION (MINUTES)
100	0.20	ORDINARY HAZARD GROUP 2	90

STATIC PRESSURE: 0 GPM AT 54 PSI
RESIDUAL PRESSURE: 500 GPM AT 46 PSI



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

KEYED NOTES

- SEE DETAIL 1 ON SHEET M3 FOR DUCT THRU ROOF INSTALLATION.
- SEE DETAIL 8 SHEET M3 FOR SECURITY BAR INSTALLATION.
- INSTALL ON 4"Wx4"Dx4'-4"L REDWOOD SKIDS MOPPED INTO ROOF. SEE DETAIL 9 SHEET M3.
- UNIT HEATER TO BE CEILING MOUNTED. SEE DETAIL 1 SHEET M4 FOR MOUNTING BRACKET. BOTTOM OF UNIT HEATER TO BE 8' A.F.F.
- SEE DETAIL 3 SHEET M3 FOR OIL INTERCEPTOR DETAIL.
- SEE DETAIL 5 ON SHEET M3 FOR CLEANOUT.
- SEE DETAIL 4 SHEET M3 FOR VENT THRU ROOF DETAIL.
- ATTACH TO MASONRY WITH 1/4" DIA. EXPANSION ANCHOR.
- SEE DETAIL 2 SHEET M3 FOR REQUIRED FLASHING AT ROOF PENETRATION.
- SEE DETAIL 7 SHEET M3 FOR EVAPORATIVE COOLER INSTALLATION REQUIREMENTS.
- HEATING AND COOLING CONTROL PANEL. INSTALL TWO THERMOSTATS, BOTH TWO STAGE. FOR HEATING THERMOSTAT TSL-121-80, PERMANENTLY SET STAGE #1 AT 45°F AND STAGE #2 AT 65°F. FOR COOLING THERMOSTAT TSH-121-82A, PERMANENTLY SET STAGE #1 AT 80°F AND STAGE #2 AT 75°F. BOTH THERMOSTATS SHALL HAVE A 3' DEADBAND AND LOCKING COVERS.
- SEE SHEET 3 FOR CONTINUATION.
- SEE DETAIL 4, SHEET M4, FOR WATER ENTRY SCHEMATIC.
- SEE SPECIFICATION 15980 FOR OA TEMPERATURE SENSOR. SEE ELECTRICAL FOR INSTALLATION OF OA TEMPERATURE SENSOR.
- GAS REGULATOR TO BE SIZED FOR 75 CFH AND 14" W.C. SEE DETAIL 10, SHEET M3.
- UNIT HEATER TO BE WALL MOUNTED. SEE DETAIL 6, SHEET M3, FOR MOUNTING BRACKET. BOTTOM OF UNIT HEATER TO BE 8' A.F.F.
- 12"x12" DUCT THRU ROOF TO RH-1.
- 10"x6" EXHAUST DUCT DOWN ON WALL. TERMINATE 12" A.F.F.
- SEE DETAIL 11, SHEET M3, FOR AIR COMPRESSOR SCHEMATIC.
- TERMINATE 1/4" SS TUBING AT AIR STEM VALVE.
- SEE DETAIL 2, SHEET M4, FOR EMERGENCY EYEWASH AND SHOWER.

LEGEND

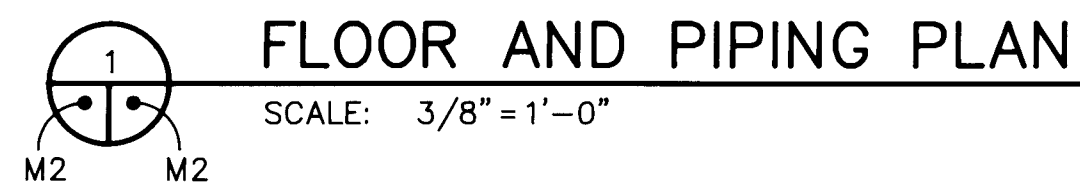
---	WATER PIPING
---	VENT PIPING
---	DRAIN PIPING
---	SEWER PIPING
⊙	THERMOSTAT
⊗	GATE VALVE
OA	OUTSIDE AIR TEMPERATURE SENSOR
FS	FLOOR SINK
FD	FLOOR DRAIN
FCO	FLOOR CLEANOUT
VTR	VENT THRU ROOF

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: 1F"

RECORD DRAWING
JUN 9 1992

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 PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 MECHANICAL PLANS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	N/A		WATER	MA RUK-9-2-92	
TRANSPORTATION	N/A		WASTE WATER	MA RUK-9-2-92	
HYDROLOGY	CLM	9-8-92			
PROJECT NO.	4395	MAP NO.	H-11	SHEET	M1 OF 4



STATIC PRESSURE: 0 GPM AT 54 PSI
RESIDUAL PRESSURE: 500 GPM AT 46 PSI

1. CONTRACTOR TO COORDINATE LOCATION OF SPRINKLER HEADS WITH LIGHTS AND GRILLES ~~PRIOR~~ TO INSTALLATION.
2. ~~DRAWING SHOWS~~ FIRE PROTECTION SYSTEM CRITERIA. SYSTEM SHALL BE ~~HYDRAULICALLY~~ CALCULATED AND DESIGNED BY FIRE PROTECTION CONTRACTOR.
3. SYSTEM TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ~~NFPA 13~~.
4. SPRINKLER SYSTEM DESIGN/LAYOUT SHALL BE SUBMITTED AND APPROVED ~~PRIOR~~ TO INSTALLATION.

- | | |
|---|-----------------------------------|
|  | WATER PIPING |
|  | VENT PIPING |
|  | DRAIN PIPING |
|  | SEWER PIPING |
|  | PIPING CAP |
|  | THERMOSTAT |
|  | GATE VALVE |
|  | OUTSIDE AIR TEMPERATURE
SENSOR |
| FS | FLOOR SINK |
| FD | FLOOR DRAIN |
| FCO | FLOOR CLEANOUT |
| VTR | VENT THRU ROOF |

Date JUN 23 1993
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

32/91013.13MD1/ZMECH/8-26-92/RNF

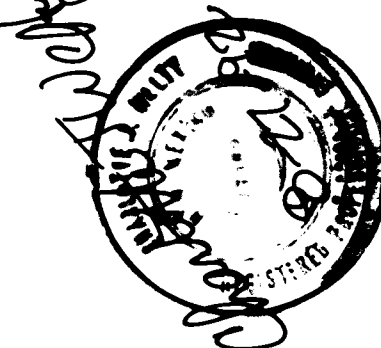
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE:	ZAMORA WELL NO. 1 MECHANICAL PLANS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	N/A		WATER	N/A RWK	8-2-92
TRANSPORTATION	N/A EAD	7-28-92	WASTE WATER	N/A RWK	8-2-92
HYDROLOGY	CAM	8-2-92			
PROJECT NO.	4395	MAP NO.	E-10	SHEET	M2 OF 4

AS BUILT INFORMATION			
CONTRACTOR	MCC, INC.		
WORKED BY	MCC, INC.	DATE	12/92
INSTRUCTED BY	ALB. SVY.	DATE	6/93
INSTALLED BY	LH, INC.	DATE	6/93
FIELD VERIFICATION BY	LH, INC.	DATE	6/93
DRAWINGS CORRECTED BY	LH, INC.	DATE	6/93
MICRO-FILM INFORMATION			
RECORDED BY	DATE		
NO.			

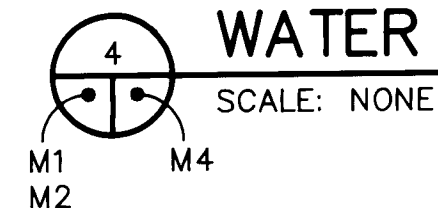
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						ENGINEER'S SEAL
A	6/93	RECORD DRAWINGS	LH			
NO.	DATE	REMARKS	BY			
<i>REVISIONS</i>						
<i>DESIGN</i>						
DESIGNED BY	C. WELTY	DATE	JUNE 1992			
DRAWN BY	LH STAFF	DATE	JUNE 1992			
CHECKED BY	-	DATE	JUNE 1992			



GONZALES EQUIPMENT SCHEDULE						
SYMBOL	DESCRIPTION					
AC-121-82	EVAPORATIVE COOLER: EVAPORATIVE COOLER WITH DOWN DISCHARGE. BLOWER MOTOR SHALL BE SPECIFICALLY DESIGNED FOR USE IN EVAPORATIVE COOLER APPLICATION WITH SEALED FOR LIFE BEARING AND ADJUSTABLE SHEAVE. FURNISH COMPLETE WITH WALL MOUNTED DUAL SETPOINT THERMOSTAT. FOR THERMOSTAT SEE SPECIFICATION 15980. PHOENIX OR EQUAL.					
	MODEL	CFM	S.P.	H.P.	V/P	SPEED
	D-8800	5000	.4	1	208/3	1
GH-121-80A	GAS FIRED UNIT HEATER: EQUIPPED FOR NATURAL GAS, BURNER SHUTTERS, VERTICAL LOUVERS, STAINLESS STEEL BURNERS, SPARK IGNITED INTERMITTENT SAFETY PILOT WITH ELECTRONIC FLAME, SUPERVISION AND TIMED LOCK-OUT, AND VENT TERMINATION CAP. REZNOR OR EQUAL. SIZED FOR 5500' ELEVATION.					
	MODEL	BTUH INPUT	BTUH OUTPUT	FAN HP	VENT SIZE	V/P TYPE
	FE-75	75,000	36,000	1/35	4"	120/1 POWER VENTED
SG-1	SUPPLY GRILLE: UNIT SHALL BE ALL ALUMINUM CONSTRUCTION WITH FACTORY APPLIED FINISH AND OPPOSED BLADE DAMPERS. SEE PLAN FOR SIZE. TITUS MODEL 301FL.					
OI-1	OIL INTERCEPTOR: CAST IRON OIL INTERCEPTOR, WHITE DUCCO COATING INSIDE AND OUT, REMOVABLE SEDIMENT BASKET, FLOW CONTROL FITTING, CLEANOUT, STEEL EXTENSION TO FINISHED GRADE, IN ACCORDANCE WITH ACTUAL FIELD MEASUREMENT. 4" INLET AND OUTLET SIZES AND 50 GPM CAPACITY, SMITH NO. 8550; FURNISH WITH 1-1/2" PLUGS (2) AND NO. 1748 VENT CAPS (1).					
MD-121-81	MOTORIZED DAMPER: 16 GAGE GALVANIZED STEEL CHANNEL PARALLEL WITH CORNER BRACES, 8" BLADES WITH 115 VOLT BARBER COLEMAN MA-418 FACTORY INSTALLED MOTOR OPERATOR. RUSKIN CD358 OR EQUAL. SEE PLAN FOR SIZE.					
FD	FLOOR DRAIN: CAST IRON DRAIN BODY, FLASHING COLLAR, ADJUSTABLE, NICKEL BRONZE STRAINER. SMITH NO. 2010-A.					
FS	FLOOR SINK: CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR AND ALUMINUM DOME BOTTOM STRAINER, SMITH NO. 3100.					
FCO	FLOOR CLEANOUT: CAST IRON CLEANOUT WITH ADJUSTABLE ROUND TOP, SMITH NO. 4231.					
CO	CLEANOUT: CAST IRON CLEANOUT WITH ADJUSTABLE ROUND TOP, SMITH NO. 4231.					
HB	HOSE BIBB: NIBCO NO. 63VB HOSE BIBB WITH VACUUM BREAKER.					
WH	WALL HYDRANT: ZURN Z-1315-5 3/4" NON-FREEZE EXPOSED WALL HYDRANT WITH NICKEL BRONZE FACE AND VACUUM BREAKER.					
EW	EMERGENCY EYE WASH AND SHOWER: HAWS MODEL 830FFP, FREEZE-PROOF. SEPARATE PUSH-DOWN VALVES, FREE STANDING, WITH DUST COVERED PROTECTED HEADS.					
EH-121-80B	ELECTRIC UNIT HEATER: HEATER SHALL BE ELECTRIC RESISTANT WALL MOUNTED, HORIZONTAL UNIT HEATER. THE CABINET SHALL BE 18 GAGE STEEL WITH FACTORY BAKED ENAMEL FINISH. INDIVIDUAL ADJUSTABLE LOUVERS FOR DIRECTIONAL AIR FLOW. THE ELECTRIC HEATING BANK SHALL HAVE AUTOMATIC RESET THERMAL OVERLOAD PROTECTION. FURNISH COMPLETE WITH WALL MOUNTING BRACKET, UNIT MOUNTED THERMOSTAT. CHROMOLOX OR EQUAL.					
	UNIT	MODEL	CFM	WATTS	AMPS	V/P
	-80B	MUH-03-8	350	3 KW	14.5	208/1
EF-121-81	EXHAUST FAN: CENTRIFUGAL TYPE ROOF EXHAUSTER WITH SPUN ALUM. HOUSING, ALUM. CURB CAP, STAINLESS STEEL FASTENINGS, PRE-LUBRICATED BALL BEARING DRIVE, VIBRATION ISOLATORS, NON-OVERLOADING ALL ALUM. WHEEL AND HUB DYNAMICALLY AND STATICALLY BALANCED, BACKDRAFT DAMPERS, BIRDSCREEN DISCONNECT SWITCH, ALUM. WIRING TO JUNCTION BOX. GREENHECK OR EQUAL.					
	MODEL	CFM	DRIVE	SP	HP	RPM V/P
	G-65-D	215	DIRECT	.1	1/30	1550 115/1
RH-1	INTAKE HOOD: RECTANGULAR TYPE, ALL ALUM. CONST., LOW SILHOUETTE WITH INTEGRAL CURB CAP. COMPLETE WITH BIRD AND INSECT SCREEN, FACTORY FURNISHED PREFAB ROOF CURB, INSULATION ON COVER AND BACK-DRAFT DAMPERS. GREENHECK OR EQUAL.					

ZAMORA EQUIPMENT SCHEDULE							
SYMBOL	DESCRIPTION						
AC-125-82	EVAPORATIVE COOLER: EVAPORATIVE COOLER WITH DOWN DISCHARGE. BLOWER MOTOR SHALL BE SPECIFICALLY DESIGNED FOR USE IN EVAPORATIVE COOLER APPLICATION WITH SEALED FOR LIFE BEARING AND ADJUSTABLE SHEAVE. FURNISH COMPLETE WITH WALL MOUNTED DUAL SETPOINT THERMOSTAT. FOR THERMOSTAT SEE SPECIFICATION 15980. PHOENIX OR EQUAL.						
	MODEL	CFM	S.P.	H.P.	V/P	SPEED	
	D-8800	5000	.4	1	208/3	1	
EH-125-80A	ELECTRIC UNIT HEATER: HEATER SHALL BE ELECTRIC RESISTANT WALL MOUNTED, HORIZONTAL UNIT.						
EH-125-80B	HEATER. THE CABINET SHALL BE 18 GAUGE STEEL WITH FACTORY BAKED ENAMEL FINISH. INDIVIDUAL ADJUSTABLE LOUVERS FOR DIRECTIONAL AIR FLOW. THE ELECTRIC HEATING BANK SHALL HAVE AUTOMATIC RESET THERMAL OVERLOADS PROTECTION. FURNISH COMPLETE WITH WALL MOUNTING BRACKET. EH-125-80A, PROVIDE WALL MOUNTED THERMOSTAT. FOR THERMOSTAT SEE SPECIFICATION 15980. EH-125-80B, PROVIDE UNIT MOUNTED THERMOSTAT. CHROMOLOX OR EQUAL.						
	UNIT	MODEL	CFM	WATTS	AMPS	V/P	
	-80A	MUH-15-8	910	15 KW	41.5	208/3	
	-80B	MUH-03-8	350	3 KW	14.5	208/1	
SG-1	SUPPLY GRILLE: UNIT SHALL BE ALL ALUMINUM CONSTRUCTION WITH FACTORY APPLIED FINISH AND OPPOSED BLADE DAMPERS. SEE PLAN FOR SIZE. TITUS MODEL 301FL.						
OI-1	OIL INTERCEPTOR: CAST IRON OIL INTERCEPTOR, WHITE DUCO COATING INSIDE AND OUT, REMOVABLE SEDIMENT BASKET, FLOW CONTROL FITTING, CLEANOUT, STEEL EXTENSION TO FINISHED GRADE IN ACCORDANCE WITH ACTUAL FIELD MEASUREMENT. 4" INLET AND OUTLET SIZES AND 50 GPM CAPACITY, SMITH NO. 8550; FURNISH WITH 1-1/2" PLUGS (2) AND NO. 1748 VENT CAPS (1).						
MD-125-81	MOTORIZED DAMPER: 16 GAGE GALVANIZED STEEL CHANNEL PARALLEL WITH CORNER BRACES, 8" BLADES WITH 115 VOLT BARBER COLEMAN MA-418 FACTORY INSTALLED MOTOR OPERATOR. RUSKIN CD358 OR EQUAL. SEE PLAN FOR SIZE.						
FD	FLOOR DRAIN: CAST IRON DRAIN BODY, FLASHING COLLAR, ADJUSTABLE, NICKEL BRONZE STRAINER. SMITH NO. 2010-A.						
FS	FLOOR SINK: CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR AND ALUMINUM DOME BOTTOM STRAINER, SMITH NO. 3100.						
FCO	FLOOR CLEANOUT: CAST IRON CLEANOUT WITH ADJUSTABLE ROUND TOP, SMITH NO. 4231.						
CO	CLEANOUT: CAST IRON CLEANOUT WITH ADJUSTABLE ROUND TOP, SMITH NO. 4231.						
HB	HOSE BIBB: NIBCO NO. 63VB HOSE BIBB WITH VACUUM BREAKER.						
WH	WALL HYDRANT: ZURN Z-1315-5 3/4" NON-FREEZE EXPOSED WALL HYDRANT WITH NICKEL BRONZE FACE AND VACUUM BREAKER.						
EW	EMERGENCY EYE WASH AND SHOWER: HAWS MODEL 8300FP, FREEZE-PROOF. SEPARATE PUSH-DOWN VALVES, FREE STANDING, WITH DUST COVERED PROTECTED HEADS.						
EF-125-81	EXHAUST FAN: CENTRIFUGAL TYPE ROOF EXHAUSTER WITH SPUN ALUM. HOUSING, ALUM. CURB CAP, STAINLESS STEEL FASTENINGS, PRE-LUBRICATED BALL BEARING DRIVE, VIBRATION ISOLATORS, NON-OVERLOADING ALL ALUM. WHEEL AND HUB DYNAMICALLY AND STATICALLY BALANCED, BACKDRAFT DAMPERS, BIRDSCREEN DISCONNECT SWITCH, ALUM. WIRING TO JUNCTION BOX. GREENHECK OR EQUAL.						
	MODEL	CFM	DRIVE	SP	HP	RPM	V/P
	G-65-D	215	DIRECT	.1	1/30	1550	115/1
RH-1	INTAKE HOOD: RECTANGULAR TYPE, ALL ALUM. CONST., LOW SILHOUETTE WITH INTEGRAL CURB CAP COMPLETE WITH BIRD AND INSECT SCREEN, FACTORY FURNISHED PREFAB ROOF CURB, INSULATION ON COVER AND BACK-DRAFT DAMPERS. GREENHECK OR EQUAL.						



APPROVAL OF RECORD DRAWINGS

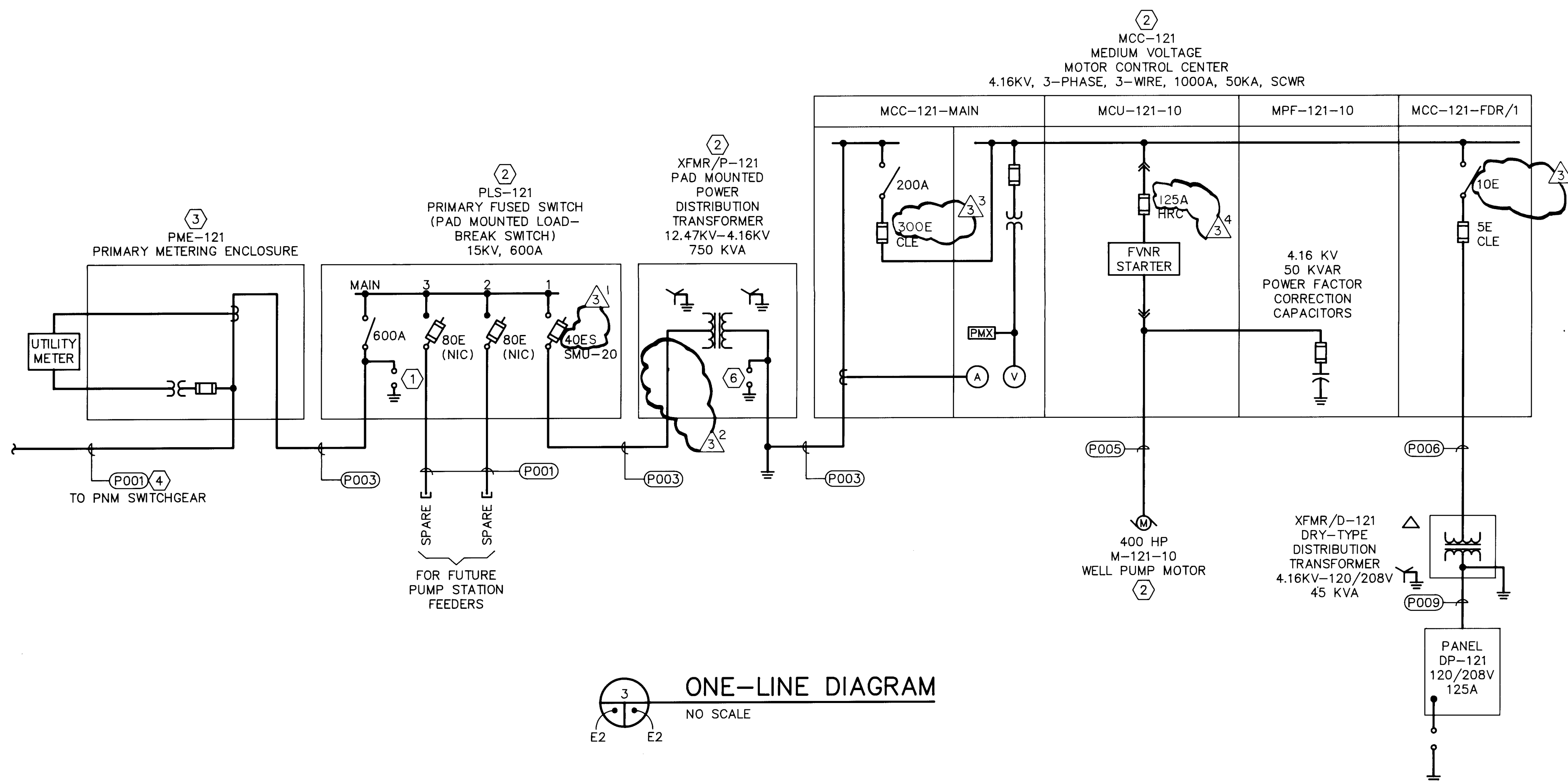
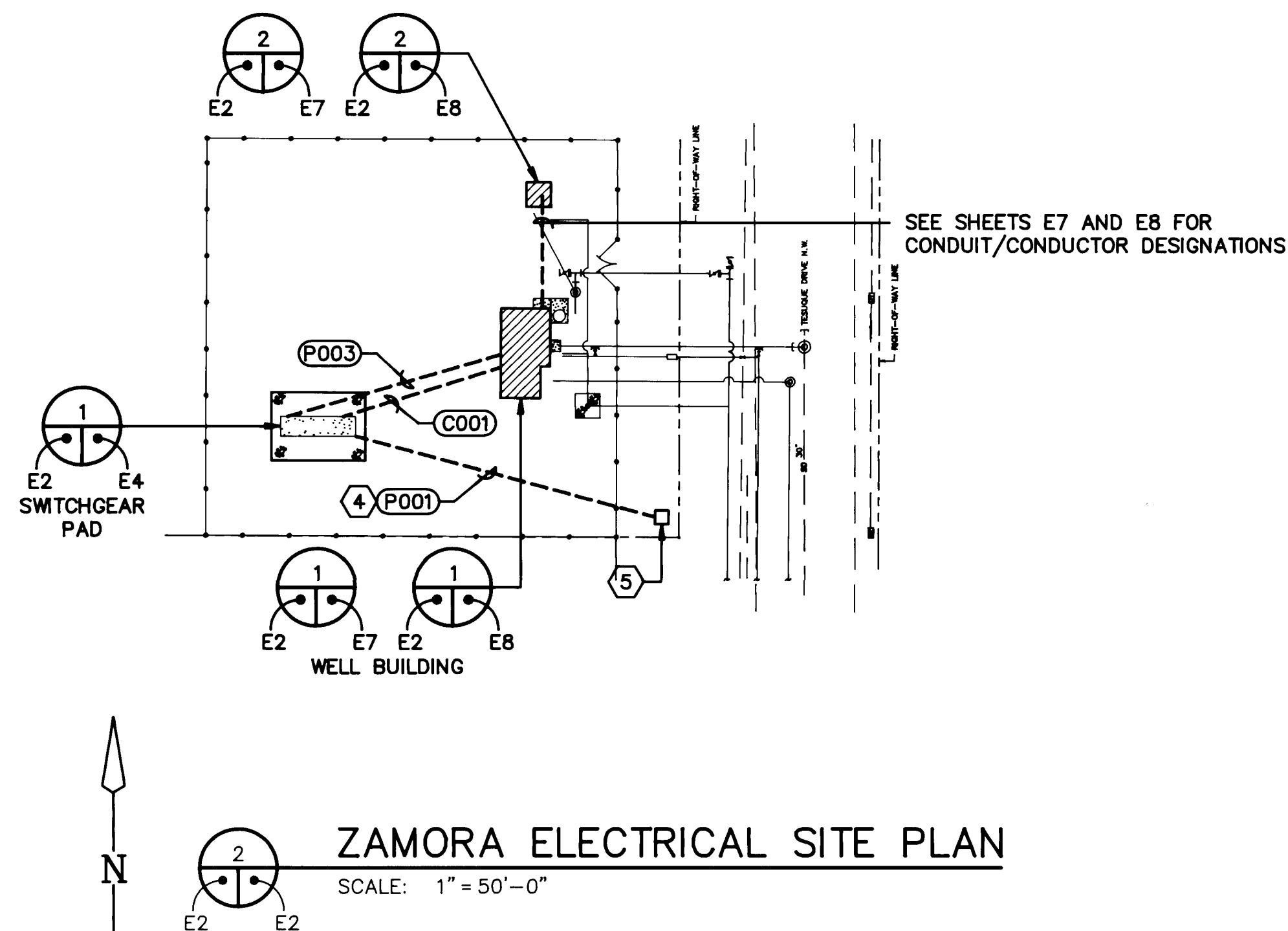
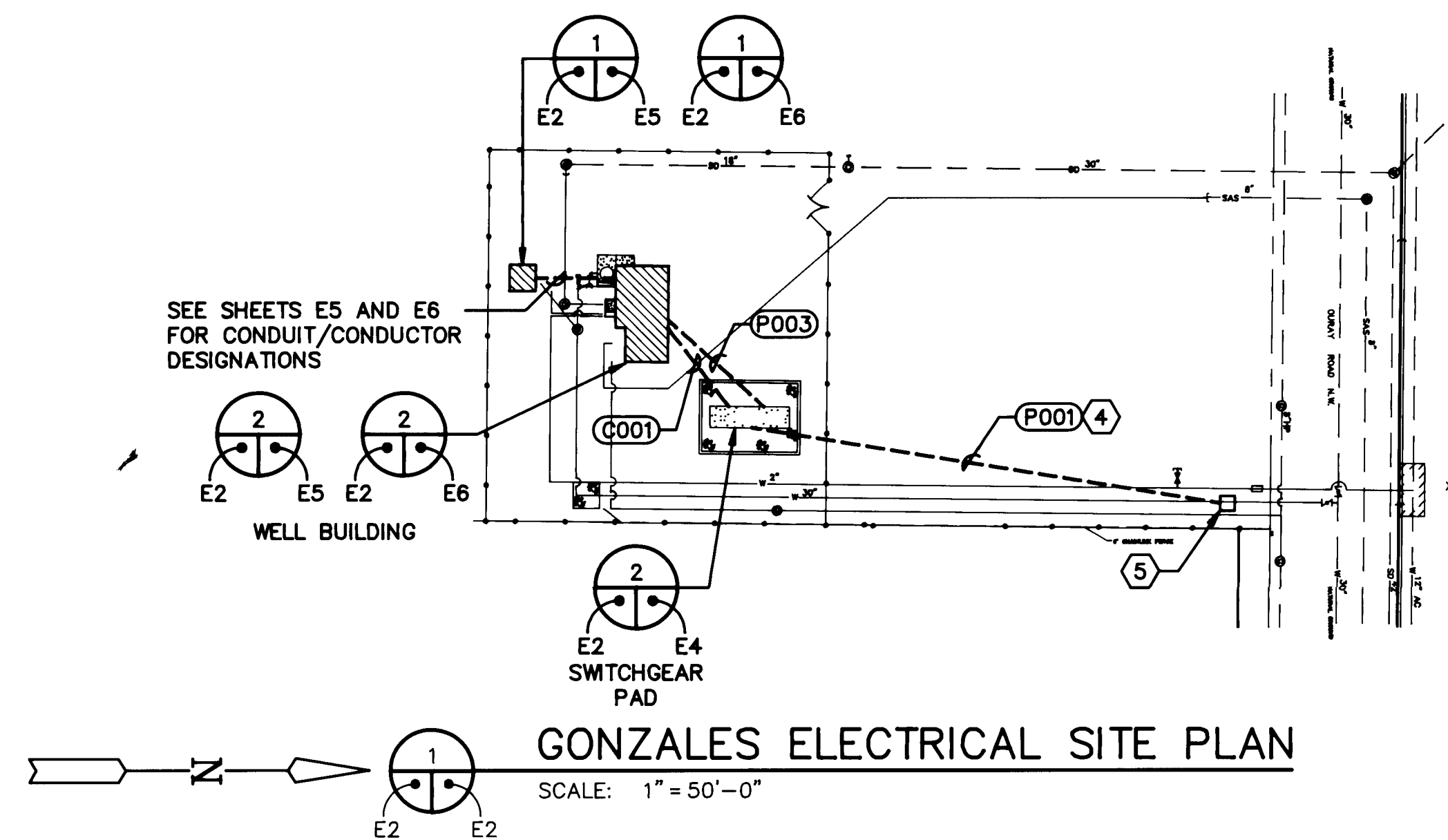
Project Engineer

[Signature]

Date: *[Signature]*

1/91013.13MD1/GZDTLS2/8-26-92/RNF					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 MECHANICAL DETAILS AND SCHEDULES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	N/A		WATER	N/A RWK	9-2-92
TRANSPORTATION	N/A RHO	9-08-92	WASTE WATER	N/A RWK	9-2-92
HYDROLOGY	CAM	9-8-92			
PROJECT NO.		4395	MAP NO.	H-11 & F-10	SHEET M4 OF 4

CONTROL SCHEMATICS AND INTERCONNECTION DIAGRAMS		EQUIPMENT/INSTRUMENT ABBREVIATIONS		PIPING AND INSTRUMENT DIAGRAM		GENERAL NOTES	
SYMBOLS DESCRIPTION		ABBREVIATION DESCRIPTION		SYMBOLS DESCRIPTION		1 SEE SHEET E9 FOR SCHEDULES.	
2 PUBLIC SERVICE COMPANY OF NEW MEXICO (PNM) REPRESENTATIVE FOR THIS PROJECT: JIM VANN ALVARADO SQUARE/MS-0270 ALBUQUERQUE, NEW MEXICO 87518 (505) 761-3426							
						INSTRUMENT LOOP INDENTIFICATION LIST	
						LOOP NUMBER LOOP DESCRIPTION	
						STATION PROCESS	
						WELL DISCHARGE LINE WELL WASH LINE CHLORINATION SYSTEM WELL PUMP	
						STATION HVAC/LIGHTING	
						HEATING VENTILATION AIR CONDITIONING LIGHTING	
						STATION MISCELLANEOUS	
						FLOOD TEMPERATURE ELECTRICAL CONSUMPTION	
						OTHER ABBREVIATIONS	
						ABBREVIATION DESCRIPTION	
						AFF ABOVE FINISH FLOOR	
						AUX AUXILIARY	
						AWG AMERICAN WIRE GUAGE	
						BKR CIRCUIT BREAKER	
						C CONDUIT	
						CKT CIRCUIT	
						CT CURRENT TRANSFORMER	
						FT FOOT	
						FVNR FULL VOLTAGE NON-REVERSING STARTER	
						FVR FULL VOLTAGE REVERSING	
						GFI GROUND FAULT INTERRUPTER	
						GRD GROUNDING CONDUCTOR OR GROUND	
						H/C HEATING/COOLING PANEL	
						HID HIGH INTENSITY DISCHARGE	
						MAS MOTOR ALARM SIGNAL	
						MFM MULTI-FUNCTION METER	
						MI MOTOR INDICATION (STATUS) SIGNAL	
						NC OR N/C NORMALLY CLOSED	
						NIC NOT IN CONTRACT	
						NO OR N/O NORMALLY OPEN	
						OL MOTOR STARTER OVERLOAD ELEMENT	
						PC PHOTOCONTROLLER	
						PT POTENTIAL TRANSFORMER	
						SCWR SHORT CIRCUIT WITHSTAND RATING	
						TBOF TO BOTTOM OF LIGHT FIXTURE	
						TYP TYPICAL	
						VCC VALVE CONTROL SIGNAL CLOSE	
						VCO VALVE CONTROL SIGNAL OPEN	
						W WATT	
						WP WEATHERPROOF	
ONE-LINE DIAGRAM				PLANS			
SYMBOLS DESCRIPTION				SYMBOLS DESCRIPTION			
FUSE		AMPERES		GROUND COUNTERPOISE SYSTEM CONDUCTOR			
DISCONNECT SWITCH		ALARM HORN/STROBE		CONDUIT - ABOVE GRADE			
SURGE ARRESTOR		AIR CONDITIONER		CONDUIT - BELOW GRADE			
CAPACITOR		CHLORINE LEAK ELEMENT		CONDUIT TURNING UP			
POTENTIAL TRANSFORMER		CHLORINE LEAK DETECTOR		CONDUIT HOMERUN TO DP WITH BRANCH CIRCUIT NUMBER			
CURRENT TRANSFORMER		AIR COMPRESSOR		CONDUIT TO RTB			
AMMETER W/FOUR POSITION SELECTOR SWITCH (ØA-ØB-ØC-OFF)		CHLORINATOR CONTROL UNIT		CONDUIT TO INSTRUMENT CABINET			
VOLTMETER W/SEVEN POSITION SELECTOR SWITCH (AN-BN-CN-AB-BC-CA-OFF)		CHLORINATOR SCALE		CONDUIT TO OTHER LOCATION PER KEYED NOTE			
POWER MONITOR RELAY		DAMPER MOTOR		CONDUIT CALLOUT (P = POWER CIRCUIT, C = CONTROL CIRCUIT.) (SEE POWER AND CONTROL CONDUIT SCHEDULES.)			
MOTOR		DISTRIBUTION PANELBOARD		LIGHT FIXTURE, PENDANT MOUNT. (UPPERCASE LETTER INDICATES FIXTURE TYPE.) (SEE FIXTURE SCHEDULE.)			
POWER TRANSFORMER		EXHAUST FAN		LIGHT FIXTURE, WALL MOUNT. (UPPERCASE LETTER INDICATES FIXTURE TYPE.) (SEE FIXTURE SCHEDULE.)			
DELTA CONNECTION		ELECTRIC HEATER		DUPLEX RECEPTACLE, FLUSH MOUNT			
WYE CONNECTION		FEEDER		SPECIAL RECEPTACLE. SEE PLAN FOR DESCRIPTION			
		FLOW ELEMENT		WALL SWITCH, FLUSH MOUNT (3=THREE-WAY, P=PILOT LAMP)			
		FLOW INDICATING TRANSMITTER		MANUAL MOTOR STARTING SWITCH			
		FLOW SWITCH (LOW)		GROUND ROD WITH EXOTHERMIC CONNECTION TO CONDUCTOR			
		GAS HEATER		GROUND COUNTERPOISE SYSTEM CONNECTION, MECHANICAL			
		HEATING/COOLING PANEL		GROUND COUNTERPOISE SYSTEM CONNECTION, EXOTHERMIC			
		HORSEPOWER		CONDUIT RISER AND FLEXIBLE CONNECTION TO EQUIPMENT			
		HAND SWITCH		DISCONNECT SWITCH. (SEE PLANS FOR DESCRIPTION)			
		HEAT TAPE AND CONTROLS		JUNCTION BOX (CAST DEVICE BOX)			
		INSTRUMENT CABINET		CONTROL STATION (SEE PLANS FOR DESCRIPTION)			
		POWER SUPPLY		PHOTOCONTROLLER			
		POWER CONSUMPTION PULSE METER		MOTOR			
		THOUSAND AMPERES					
		KILOVOLT					
		KILOVOLT AMPERES					
		KILOVOLT AMPERES REACTIVE					
		SURGE ALARM INDICATION					
		LEVEL METER					
		LEVEL INDICATOR					
		LEVEL INDICATING TRANSMITTER					
		LEVEL SWITCH (HIGH)					
		MOTOR					
		MOTOR ALARM SWITCH					
		PUMP MOTOR START/STOP COMMAND					
		MOTOR CONTROL CENTER					
		MOTOR CONTROL UNIT					
		MOTOR RUN INDICATOR					
		MOTOR POWER FACTOR CORRECTION CAPACITOR					
		MOTOR TERMINAL BLOCK					
		PUMP					
		PRESSURE INDICATOR					
		PRIMARY LOADBREAK SWITCH					
		PRIMARY METERING ENCLOSURE					
		PUBLIC SERVICE COMPANY OF NEW MEXICO					
		PRESSURE DIFFERENTIAL RELAY					
		PRESSURE SWITCH (HIGH)					
		REMOTE TERMINAL BLOCK CABINET					
		REMOTE TERMINAL UNIT					
		SURGE CONTROL PANEL					
		SAFETY SWITCH					
		SURGE TANK					
		TEMPERATURE ELEMENT					
		TANK HEATER					
		TEMPERATURE SWITCH (HIGH)					
		TEMPERATURE SWITCH (LOW)					
		VOLTS					
		VALVE (HAND OPERATED-BELOW GRADE)					
		VALVE (CHECK)					
		VALVE (MOTOR OPERATED)					
		VALVE (SOLENOID)					
		VALVE OVERTORQUE SWITCH					
		VALVE INDICATION CLOSED OVERTORQUE					
		VALVE INDICATION OPEN OVERTORQUE					
		VALVE LIMIT SWITCH (OPEN)					
		VALVE LIMIT SWITCH (CLOSED)					
		TRANSFORMER/DISTRIBUTION					
		TRANSFORMER/POWER					
		VIBRATION TRANSFORMER					
		LIMIT SWITCH					
		OTHER LIMIT SWITCH (CLOSED)					
		OTHER LIMIT SWITCH (OPEN)					
		</					

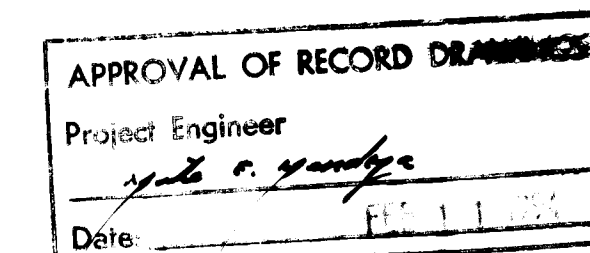


GENERAL NOTES

- SEE SHEET E1 FOR SYMBOLS LEGEND.
- SEE SHEET E9 FOR SCHEDULES.
- STATION NUMBERS ARE TYPICAL FOR GONZALES WELL NO. 1. REPLACE STATION NUMBER 121 WITH STATION NUMBER 125 FOR ZAMORA WELL NO. 1.

KEYED NOTES

- SURGE ARRESTORS, FURNISHED WITH PRIMARY FUSED SWITCH.
- FURNISHED BY CITY, INSTALLED BY CONTRACTOR.
- METERING CT AND PT ENCLOSURE AND METER ENCLOSURE FURNISHED AND INSTALLED BY CONTRACTOR. CT'S AND PT FURNISHED, INSTALLED AND CONNECTED BY PNM.
- CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR. CONDUCTORS FURNISHED AND INSTALLED BY PNM. ROUTE CONDUIT BETWEEN PNM SWITCHGEAR AND PRIMARY METERING ENCLOSURE ON SWITCHGEAR EQUIPMENT PAD. SEE SWITCHGEAR PAD PLANS ON SHEET E4.
- PNM SWITCHGEAR, COORDINATE LOCATION WITH PNM AND OWNER.
- SURGE ARRESTORS, FURNISHED AND INSTALLED BY CONTRACTOR.



RECORD DRAWING

Date: JUN 23 1992

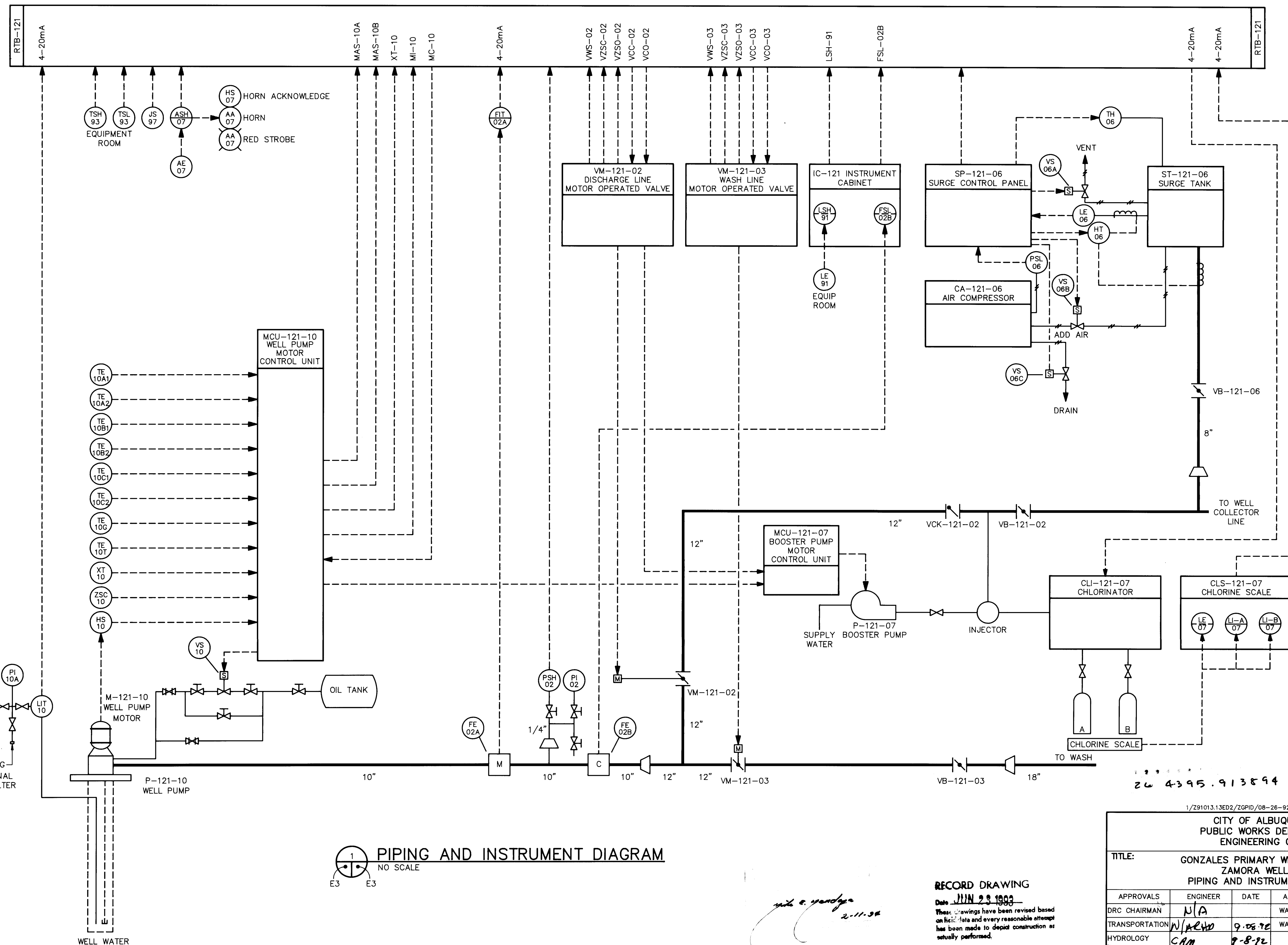
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

SCANNED BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 ELECTRICAL SITE PLANS AND ONE-LINE DIAGRAM			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	N/A	DATE	ENGINEER
TRANSPORTATION	N/A RWH	9-2-92	WATER
HYDROLOGY	CHM	9-2-92	WASTE WATER
PROJECT NO. 4395.91		MAP H-11 & NO. E-10	
SHEET E2		OF 15	

GENERAL NOTES

- SEE SHEET E1 FOR SYMBOLS LEGEND.
- STATION NUMBERS ARE TYPICAL FOR GONZALES WELL NO. 1. REPLACE STATION NUMBER 121 WITH STATION NUMBER 125 FOR ZAMORA WELL NO. 1.

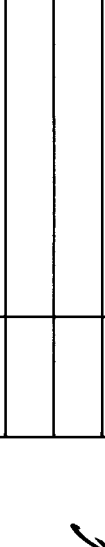


1
E3 E3
PIPING AND INSTRUMENT DIAGRAM
NO SCALE

RECORD DRAWING

Date: JUN 23 1993
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 PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 PIPING AND INSTRUMENT DIAGRAM					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	N/A		WATER	N/A	9-2-92
TRANSPORTATION	N/A	9-08-92	WASTE WATER	N/A	9-2-92
HYDROLOGY	CAM	9-8-92			
PROJECT NO.	4395.91	MAP NO.	H-11 & E-10	SHEET	E3 OF 15

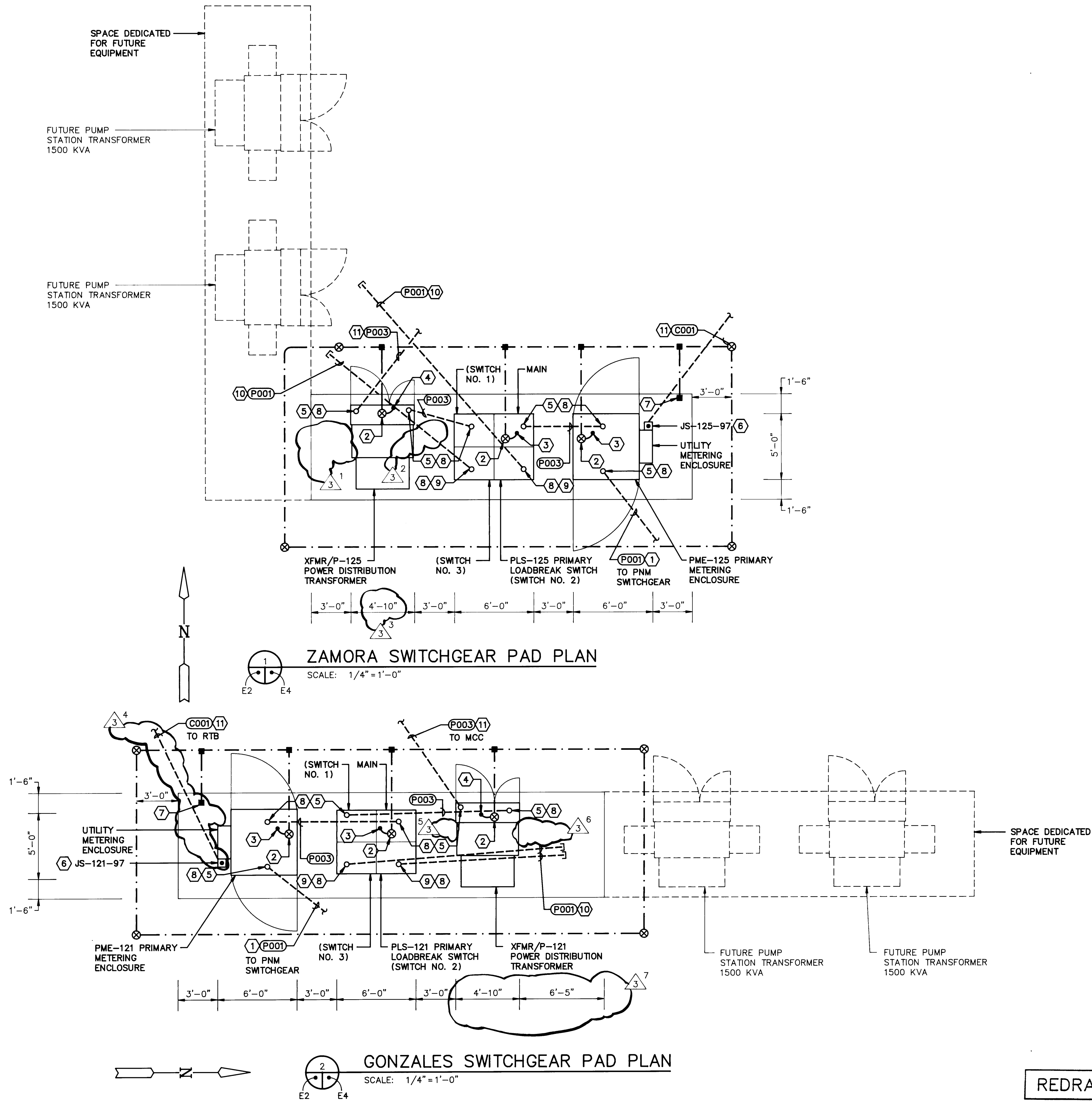
						ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
								FIELD NOTES					
				NO.				BY		DATE			

GENERAL NOTES

1. SEE SHEET E1 FOR SYMBOLS LEGEND.
2. SEE SHEET E9 FOR SCHEDULES.
3. BELOW GRADE CONDUIT ROUTING SHOWN PARALLEL TO SWITCHGEAR PAD LINES FOR DRAWING CLARITY ONLY. ROUTE BELOW GRADE CONDUIT FROM POINT-TO-POINT IN A STRAIGHT LINE. PROVIDE ADDITIONAL BENDS ONLY WHEN NECESSARY TO AVOID BELOW GRADE PIPING, STRUCTURAL ELEMENTS, OR OTHER CONDUIT.

KEYED NOTES

- 1 FOR CONTINUATION SEE ELECTRICAL SITE PLAN, SHEET E2.
- 2 INSTALL GROUND ROD 4" ABOVE FINISH SLAB.
- 3 BOND GROUND ROD TO EQUIPMENT ENCLOSURE AND GROUND BUS. (TYPICAL).
- 4 BOND GROUND ROD TO TRANSFORMER CASE AND SECONDARY NEUTRAL.
- 5 SEAL CONDUIT OPENING AFTER CABLE/CONDUCTOR INSTALLATION. TYPICAL FOR ALL EXTERIOR PAD MOUNTED EQUIPMENT AND ELSEWHERE AS NOTED.
- 6 6" X 6" NEMA 3R HINGED COVER ENCLOSURE WITH 2 POSITION TERMINAL STRIP MOUNTED TO SIDE OF METERING ENCLOSURE. INSTALL 1/2" C NIPPLE BETWEEN ENCLOSURES. TERMINATE CONTROL WIRE FROM RTB ON TERMINAL STRIP. CONTROL WIRE FROM KWHR METER TO TERMINAL STRIP WILL BE INSTALLED BY PNM.
- 7 BOND TO SLAB REBAR.
- 8 COORDINATE LOCATION OF CONDUIT STUB-UP WITH EQUIPMENT MANUFACTURER. TYPICAL FOR ALL PADMOUNTED EQUIPMENT. DRAWING DOES NOT SHOW ACTUAL STUB-UP LOCATIONS.
- 9 STUB UP AND CAP. (FUTURE)
- 10 STUB OUT CONDUIT 5'-0" FROM PAD AND CAP.
- 11 FOR CONTINUATION SEE POWER AND SPECIAL SYSTEMS PLAN.



APPROVAL OF RECORD DRAWINGS
Project Engineer
Date

RECORD DRAWING

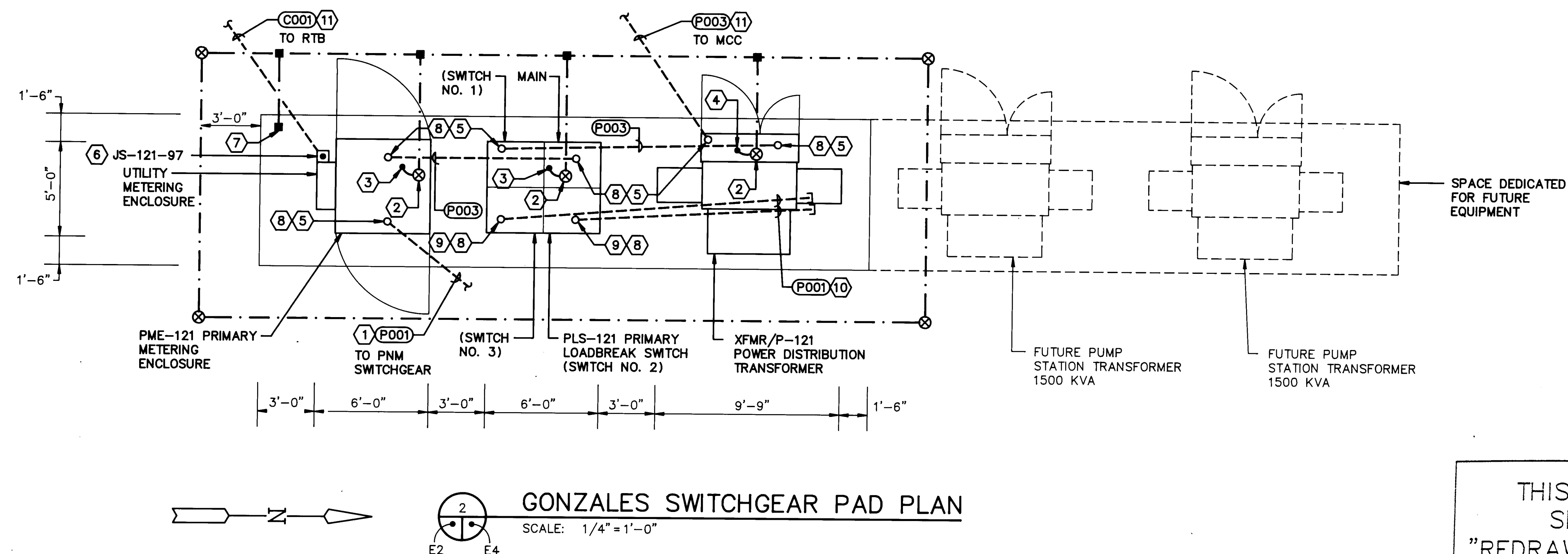
Date JUN 29 1992
These drawings have been reviewed and approved for record purposes based on field data and every reasonable effort has been made to depict construction actually performed.

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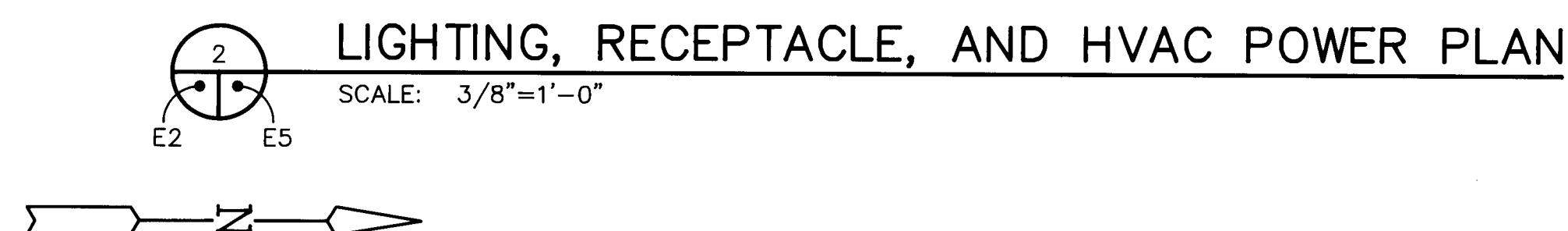
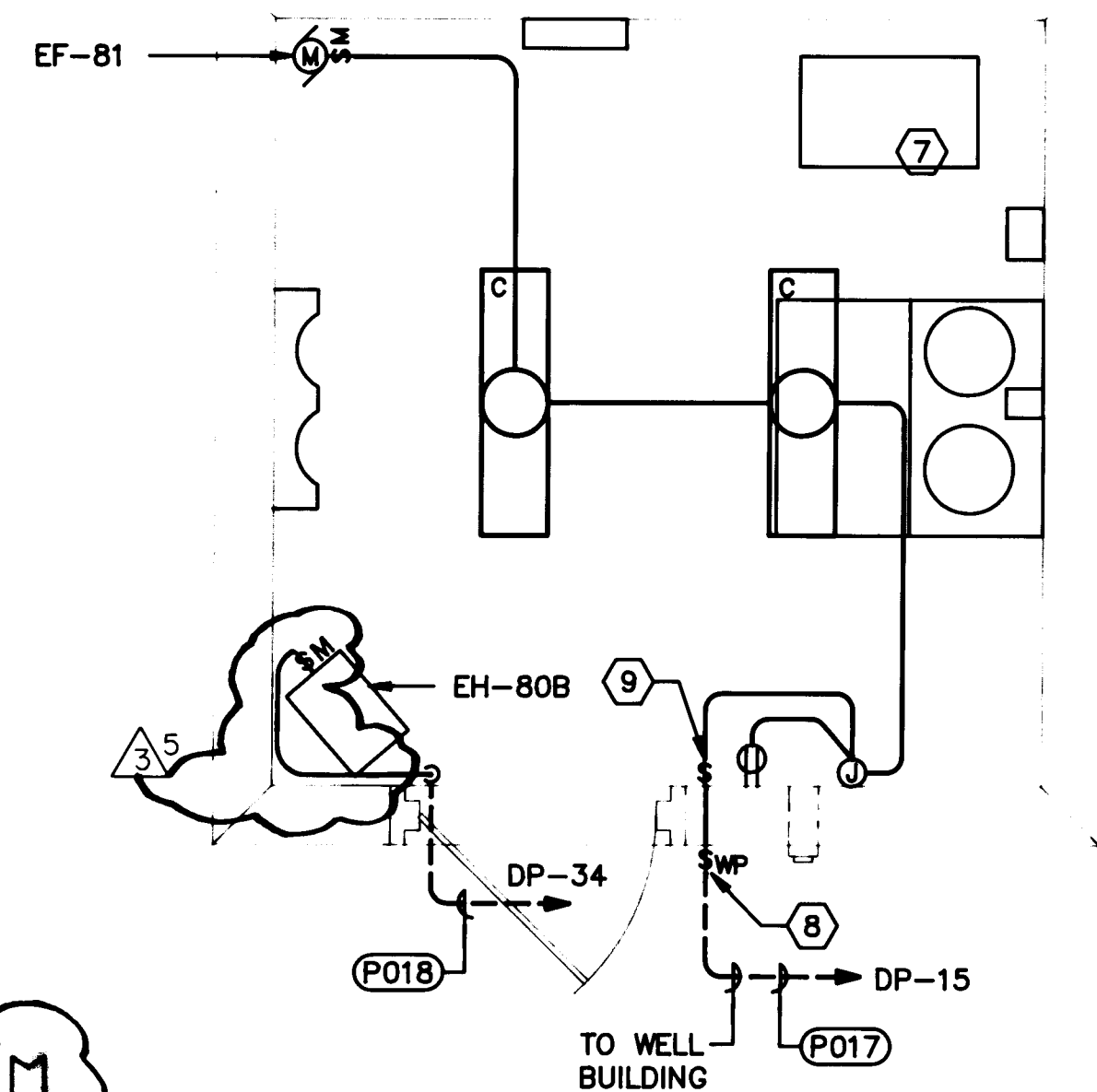
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 SWITCHGEAR PAD PLANS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					
PROJECT NO.	4395.91	MAP NO.	H-11 & E-10	SHEET	E4 OF 15

REDRAWN FOR RECORD PURPOSES



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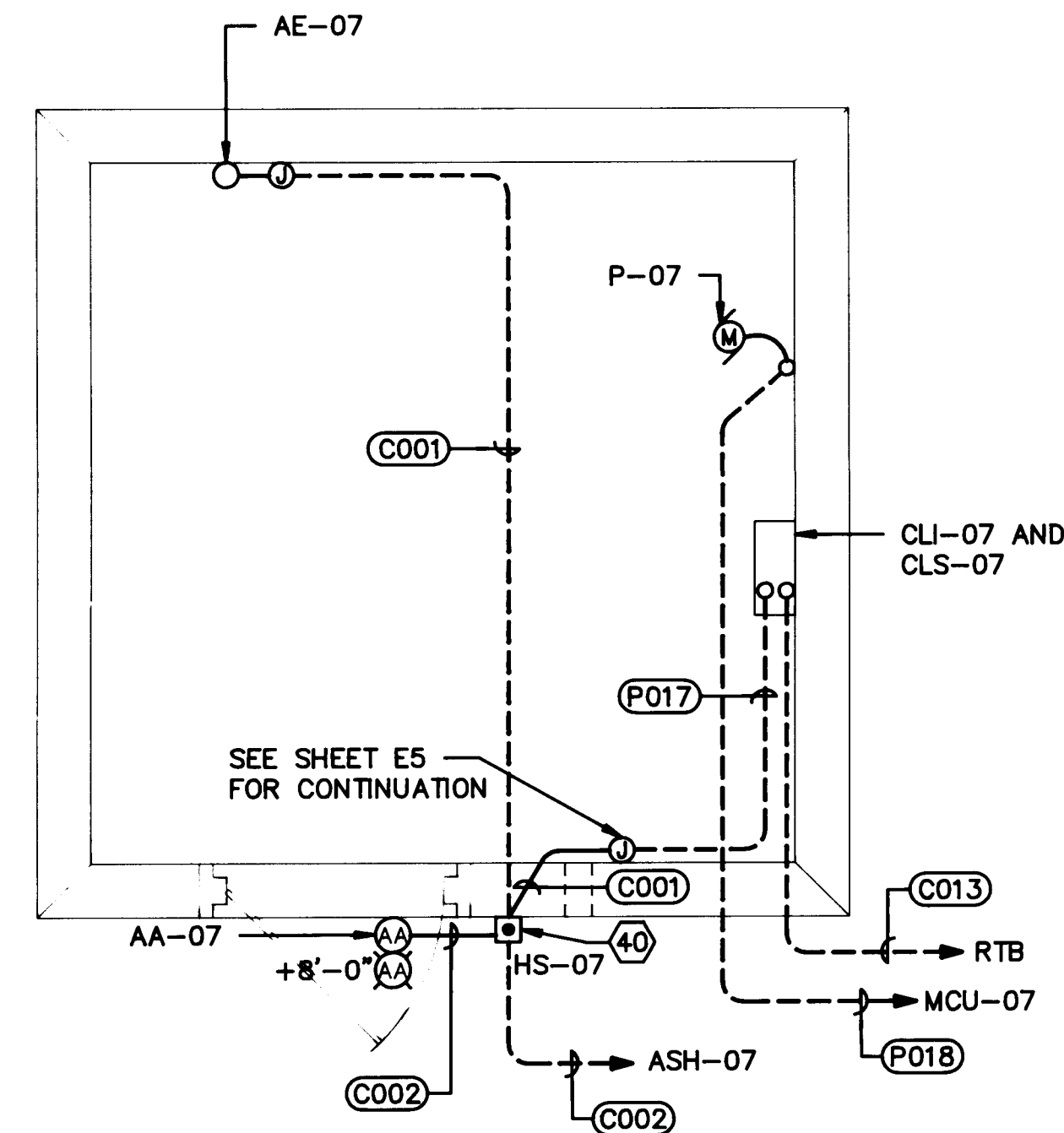
GENERAL NOTES

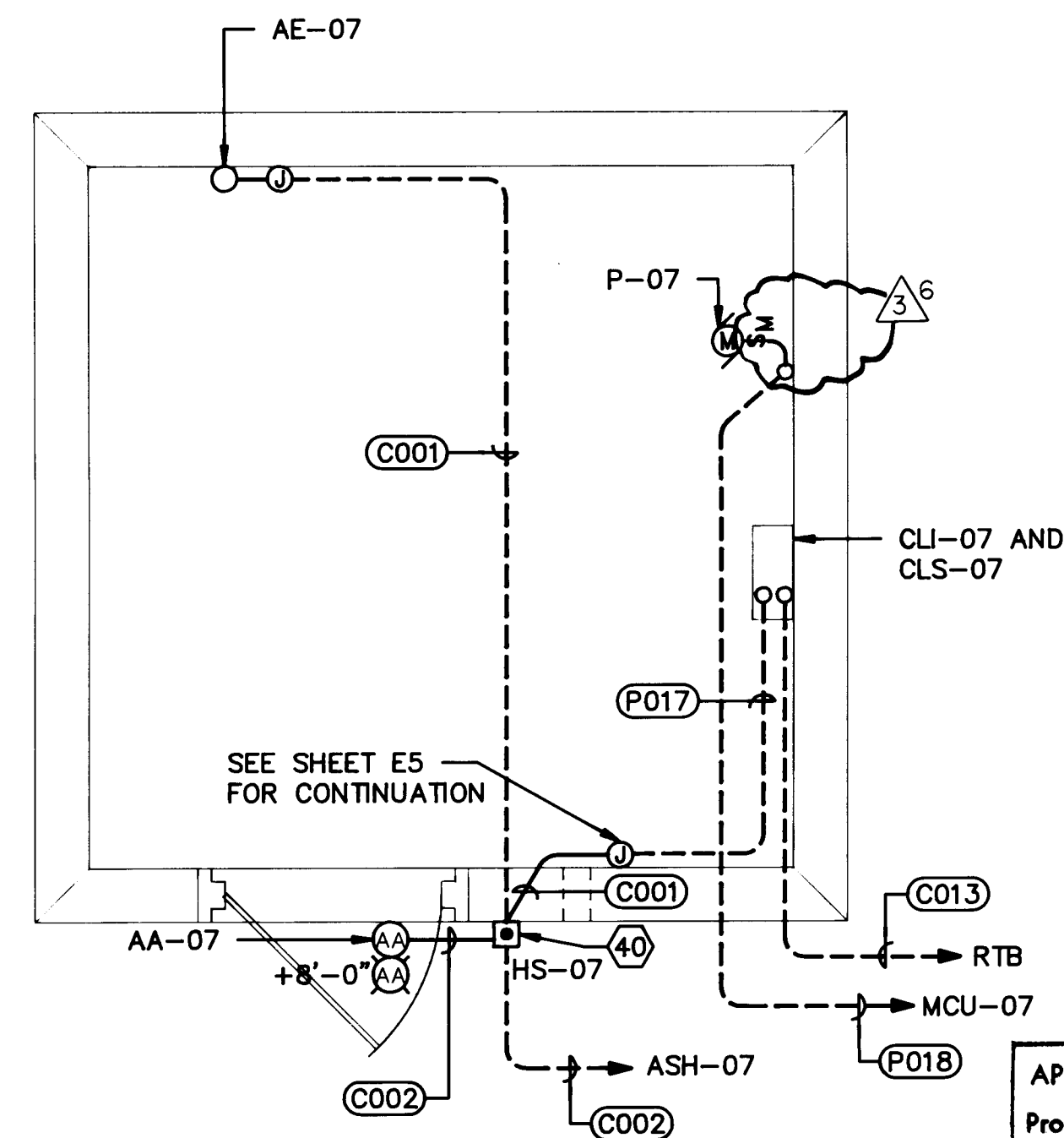
- 1. SEE SHEET E1 FOR SYMBOLS LEGEND.
- 2. SEE SHEET E9 FOR SCHEDULES.
- 3. BELOW GRADE CONDUIT ROUTING SHOWN PARALLEL TO BUILDING LINES FOR DRAWING CLARITY ONLY. ROUTE BELOW GRADE CONDUIT FROM POINT-TO-POINT IN A STRAIGHT LINE. PROVIDE ADDITIONAL BENDS ONLY WHEN NECESSARY TO AVOID BELOW GRADE PIPING, STRUCTURAL ELEMENTS, OR OTHER CONDUIT.

KEYED NOTES

- 1 FOR CONTINUATION SEE SWITCHGEAR PAD PLAN.
- 2 INSTALL GROUND ROD 4" ABOVE FINISH SLAB.
- 3 BOND GROUND ROD TO EQUIPMENT ENCLOSURE AND GROUND BUS. (TYPICAL).
- 4 BOND GROUND ROD TO TRANSFORMER CASE AND SECONDARY NEUTRAL.
- 5 LOCATE MINIMUM 2'-0" DISTANCE FROM BUILDING FOUNDATION. (TYPICAL).
- 6 BOND TO GRAVEL FEED LINE.
- 7 PROVIDE CONDUIT REDUCING FITTING AT MOTOR JUNCTION BOX. FIELD VERIFY SIZE OF FITTING.
- 8 BOND TO WELL WASH AND DISCHARGE LINES.
- 9 WELL PUMP MOTOR (MTB-10) TERMINAL BOX.
- 10 WELL PUMP MOTOR EMERGENCY STOP PUSHBUTTON (HS-10).
- 11 WELL PUMP MOTOR OIL DRIP SOLENOID VALVE (VS-10).
- 12 TO TEMPORARY CHLORINATION BUILDING.
- 13 WELL PUMP MOTOR VIBRATION TRANSMITTER (XT-10).
- 14 HEAT TAPE CONTROLS JUNCTION BOX.
- 15 EQUIPMENT ROOM TEMPERATURE SWITCH LOW (TSL-93).
- 16 EQUIPMENT ROOM TEMPERATURE SWITCH HIGH (TSH-93).
- 17 WELL DISCHARGE LINE PRESSURE SWITCH HIGH (PSH-02).
- 18 WELL DISCHARGE LINE FLOW METER ELEMENT (FE-02A).
- 19 WELL DISCHARGE LINE FLOW SENSING ELEMENT (FE-02B).
- 20 WELL WASH LINE MOTOR OPERATED VALVE (VM-03).
- 21 WELL DISCHARGE LINE MOTOR OPERATED VALVE (VM-02).
- 22 EXACT LOCATION OF RADIO ANTENNA WILL BE DETERMINED BY THE CITY.
- 23 1"PVC, THROUGH WALL AT 9'-0" ABOVE FINISH FLOOR.
- 24 STUB UP AND CAP. (FUTURE)
- 25 WELL PUMP MOTOR JUNCTION BOX (M-10).
- 26 SEAL CONDUIT OPENING AFTER CABLE/CONDUCTOR INSTALLATION. TYPICAL FOR ALL EXTERIOR PAD MOUNTED EQUIPMENT AND ELSEWHERE AS NOTED.
- 27 COORDINATE LOCATION OF CONDUIT STUB-UP WITH EQUIPMENT MANUFACTURER. TYPICAL FOR ALL PADMOUNTED EQUIPMENT. DRAWING DOES NOT SHOW ACTUAL STUB-UP LOCATIONS.
- 28 BOND RADIO ANTENNA TO GROUND COUNTERPOISE SYSTEM IN ACCORDANCE WITH REFERENCED DETAIL.
- 29 BOND TO DOMESTIC COLD WATER PIPE. REFER TO SHEET M1.
- 30 BOND TO SLAB REBAR.
- 31 SURGE TANK AIR COMPRESSOR PRESSURE SWITCH (PSL-06).
- 32 SURGE TANK LEVEL ELEMENTS (LE-06).
- 33 SURGE TANK SOLENOID VALVE (VS-06A).
- 34 SURGE TANK SOLENOID VALVE (VS-06B).
- 35 SURGE TANK SOLENOID VALVE (VS-06C).
- 36 NOT USED.
- 37 HEAT TRACE EXPOSED SURGE TANK PIPING BELOW SURGE TANK.
- 38 SP-06, SEE SURGE TANK CONTROL PANEL DETAIL ON SHEET E15.
- 39 TANK HEATER (TH-06).
- 40 CHLORINE ALARM. SEE SCHEMATICS ON SHEET E11.

ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION			
				FIELD NOTES				CONTRACTOR MCS INC. / JACOBI			
				NO.	BY	DATE		WORK ORDER NO. / DATE			
								INSPECTOR'S ACCEPTANCE BY LH, INC. DATE 6/93			
								VERIFICATION BY LH, INC. DATE 6/93			
								DRAWINGS CORRECTED BY LH, INC. DATE 6/93			
								MICRO-FILM INFORMATION			
								RECORDED BY			
								NO.			





CONDUIT SCHEDULE CONTROL CONDUIT/CONDUCTOR		
CONDUIT NO.	CONDUIT SIZE	CONDUCTOR SIZE
C001	3/4"C	2#14 AWG, 1#14 AWG GRD
C002	3/4"C	4#14 AWG, 1#14 AWG GRD
C003	3/4"C	6#14 AWG, 1#14 AWG GRD
C004	3/4"C	8#14 AWG, 1#14 AWG GRD
C005	3/4"C	10#14 AWG, 1#14 AWG GRD
C006	3/4"C	12#14 AWG, 1#14 AWG GRD
C007	1"C	14#14 AWG, 1#14 AWG GRD
C008	1"C	16#14 AWG, 1#14 AWG GRD
C009	1"C	18#14 AWG, 1#14 AWG GRD
C010	1"C	20#14 AWG, 1#14 AWG GRD
C011	1"C	24#14 AWG, 1#14 AWG GRD
C012	1"C	(1) BELDEN #8719, 1#14 AWG GRD
C013	1"C	(2) BELDEN #8719, 1#14 AWG GRD
C014	1"C	(1) FACTORY CABLE, 1#6 AWG GRD
C015	1"C	(1) BELDEN #8719,
		12#14 AWG, 1#14 AWG GRD
		6#14 AWG (SPARE)
C016	1"C	(1) BELDEN #8719,
		14#14 AWG, 1#14 AWG GRD
		4#14 AWG (SPARE)
C017	1-1/4"C	(2) BELDEN #8719
		24#14 AWG, 1#14 AWG GRD
		12#14 AWG (SPARE)
C018	1-1/4"C	(2) BELDEN #8719
		28#14 AWG, 1#14 AWG GRD
		8#14 AWG (SPARE)
C019	1-1/4"C	(1) BELDEN #8719
		(8) BELDEN #8770
		2#14 AWG, 1#14 AWG GRD
C020	2"C	(2) BELDEN #8719
		(16) BELDEN #8770
		4#14 AWG, 1#14 AWG GRD
C021	1"C	(NOTE 1)
C022	2"C	(NOTE 1)
C023	3"C	(NOTE 1)
C024	3/4"C	SEE SPECIFICATION SECTION 02441
C025	3/4"C	PULLWIRE. FUTURE OIL DRIP MONITOR CIRCUIT.
NOTE 1: CONDUCTORS FURNISHED, INSTALLED, AND TERMINATED BY CITY.		

NOTE: THIS SCHEDULE IS GENERIC. NOT ALL CONDUIT
CALLOUTS ARE USED ON THIS PROJECT.

CITY FURNISHED EQUIPMENT SCHEDULE			
DESCRIPTION	FURNISHED BY	INSTALLED BY	CONNECTED BY (NOTE 1)
PAD-MOUNTED LOADBREAK SWITCH	CITY	CONTRACTOR	CONTRACTOR
PAD-MOUNTED POWER DISTRIBUTION TRANSFORMER	CITY	CONTRACTOR	CONTRACTOR
MEDIUM-VOLTAGE MOTOR CONTROL CENTER	CITY	CONTRACTOR	CONTRACTOR
WELL PUMP MOTOR	CITY	CONTRACTOR	CONTRACTOR
REMOTE TERMINAL UNIT (RTU)	CITY	CONTRACTOR	CITY
RADIO	CITY	CONTRACTOR	CITY
RADIO ANTENNA	CITY	CITY	CITY
RADIO COAXIAL CABLE	CITY	CITY	CITY
NOTE 1: ELECTRICAL POWER AND/OR CONTROL WIRE CONNECTIONS.			

CONDUIT SCHEDULE POWER CONDUIT/CONDUCTOR		
CONDUIT NO.	CONDUIT SIZE	CONDUCTOR SIZE
P001	4"C	CONDUCTORS NOT IN CONTRACT
P002	4"C	3#2/0 AWG-15KV, 1#1/0 AWG GRD
P003	4"C	3#1/0 AWG-15KV, 1#1/0 AWG GRD
P004	3"C	3#1/0 AWG-5KV, 1#1/0 AWG GRD
P005	3"C	3#4 AWG-5KV, 1#1/0 AWG GRD
P006	3"C	3#6 AWG-5KV, 1#1/0 AWG GRD
P007	2-1/2"C	3#8 AWG-5KV, 1#1/0 AWG GRD
P008	2-1/2"C	4#4/0 AWG, 1#2 AWG GRD
P009	2"C	4#1/0 AWG, 1#6 AWG GRD
P010	1-1/4"C	4#2 AWG, 1#8 AWG GRD
P011	1"C	3#6 AWG, 1#10 AWG GRD
P012	3/4"C	3#8 AWG, 1#10 AWG GRD
P013	3/4"C	2#10 AWG, 1#10 AWG GRD
P014	3/4"C	3#10 AWG, 1#10 AWG GRD
P015	3/4"C	5#10 AWG, 1#10 AWG GRD
P016	3/4"C	6#10 AWG, 1#10 AWG GRD
P017	3/4"C	2#12 AWG, 1#12 AWG GRD
P018	3/4"C	3#12 AWG, 1#12 AWG GRD
P019	3/4"C	4#12 AWG, 1#12 AWG GRD
P020	1"C	4#12 AWG, 1#12 AWG GRD
P021	1"C	6#12 AWG, 1#6 AWG GRD
P022	1-1/4"C	8#10 AWG, 1#10 AWG GRD
P023	1-1/4"C	10#10 AWG, 1#10 AWG GRD
P024	3/4"C	4#12 AWG, 1#12 AWG GRD, 1#6 AWG GRD
P025	3/4"C	3#12 AWG, 1#12 AWG GRD, 1#6 AWG GRD
P026	3/4"C	5#12 AWG, 1#12 AWG GRD

NOTE: THIS SCHEDULE IS GENERIC. NOT ALL CONDUIT
CALLOUTS ARE USED ON THIS PROJECT.

LIGHT FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMPS	MOUNTING
A	INDUSTRIAL FLUORESCENT BENJAMIN FLB-1125-4U-FL173(1)-120V WITH WIRE GUARD	(2) 4 FT F48T12/HO/W FLUORESCENT	PENDANT 9'-0" AFF TBOF
B	HID AREA LIGHT DEVINE B275-50HPS-120V	(1) 50 W/MEDIUM BASE HIGH PRESSURE SODIUM	WALL 10'-0" AFF TBOF
C	VAPORTIGHT FLUORESCENT BENJAMIN FV-2225-4-120V	(2) 4 FT F48T12/HO/W FLUORESCENT	CEILING MOUNT

PANEL DP-121			120/208V, 3 PHASE, 4 WIRE, 125A FRAME, 125A MAIN CIRCUIT BREAKER, SURFACE MOUNT, BOTTOM FEED, NEMA 12 ENCLOSURE, FRONT HINGED TO BOX.					
CKT	BKR. RTNG.	LOAD DESCRIPTION	AMPERAGE LOAD			LOAD DESCRIPTION	BKR. RTNG.	CKT
			ØA	ØB	ØC			
1	20A/1P	LIGHTS (PUMP, EQUIPMENT ROOM)	10.0 2.0			UNIT HEATER GH-121-80A	20A/1P	2
3	20A/1P	LIGHTS (EXTERIOR)		2.0 —		SPARE	20A/1P	4
5	20A/1P	RTU-121			4.0 —	SPARE	20A/1P	6
7	20A/1P (GFI)	RECEPTACLES	3.0 2.0			VM-121-02 DISCHARGE LINE VALVE	20A/3P	10
9	20A/1P (GFI)	RECEPTACLES		3.0 2.0				
11	20A/1P	IC-121, JC-121-10, FIT-121-02A			6.0 2.0			
13	20A/1P	SP-121-06	4.0 2.0			VM-121-03 WASH LINE VALVE	20A/3P	16
15	20A/1P	CHLORINE BUILDING		8.0 2.0				
17	20A/1P	ASH-121-07			2.0 2.0			
19	20A/1P	SPARE	—	17.5		CA-06 AIR COMPRESSOR	40A/3P	22
21	20A/1P	HCP-121		17.5				
23	20A/1P	RADIO-121			17.5			
25	20A/1P	SPARE	—	3.0		CA-10 AIR COMPRESSOR	20A/3P	28
27	20A/1P	SPARE		—	3.0			
29	20A/1P	SPARE			—			
33	20A/3P	TH-121-06	8.0 8.0			EH-121-80B UNIT HEATER	20A/3P	34
				8.0 8.0				
					8.0 8.0			
39	20A/3P	AC-121-82	2.3 2.0			P-07 BOOSTER PUMP	20A/3P	40
				2.3 2.0				
					2.3 2.0			
			63.8	57.8	56.8			

PANEL DP-125			120/208V, 3 PHASE, 4 WIRE, 125A FRAME, 125A MAIN CIRCUIT BREAKER, SURFACE MOUNT, BOTTOM FEED, NEMA 12 ENCLOSURE, FRONT HINGED TO BOX.					
CKT	BKR. RTNG.	LOAD DESCRIPTION	AMPERAGE LOAD			LOAD DESCRIPTION	BKR. RTNG.	CKT
			ØA	ØB	ØC			
1	20A/1P	LIGHTS (PUMP, EQUIPMENT ROOM)	10.0 41.5			EH-125-80A UNIT HEATER	60A/3P	
3	20A/1P	LIGHTS (EXTERIOR)		2.0 41.5				
5	20A/1P	RADIO-125, RTU-125			4.0 41.5			
7	20A/1P (GFI)	RECEPTACLES	3.0 2.0			VM-125-02 DISCHARGE LINE VALVE	20A/3P	10
9	20A/1P (GFI)	RECEPTACLES		3.0 2.0				
11	20A/1P	IC-125, JC-125-10, FIT-125-02A			6.0 2.0			
13	20A/1P	SP-125-06	4.0 2.0			VM-125-03 WASH LINE VALVE	20A/3P	16
15	20A/1P	CHLORINE BUILDING		8.0 2.0				
17	20A/1P	ASH-125-07			2.0 2.0			
19	20A/1P	SPARE	17.5			CA-06 AIR COMPRESSOR	40A/3P	22
21	20A/1P	HCP-125		17.5				
23	20A/1P	SPARE			17.5			
25	20A/1P	SPARE	3.0			CA-10 AIR COMPRESSOR	20A/3P	26 28 30
27	20A/1P	SPARE		3.0				
29	20A/1P	SPARE			3.0			
33	20A/3P	TH-125-06	8.0 8.0			EH-125-80B UNIT HEATER	20A/3P	34
				8.0 8.0				
					8.0 8.0			
39	20A/3P	AC-125-82	2.3 2.8			P-07 BOOSTER PUMP	20A/3P	40
				2.3 2.8				
					2.3 2.8			
			104.1	100.1	99.1			

GENERAL NOTES

1. STATION NUMBERS ARE TYPICAL FOR GONZALES
WELL NO. 1. REPLACE STATION NUMBER 121 WITH
STATION NUMBER 125 FOR ZAMORA WELL NO. 1.

KEYED NOTES

1. FEED RADIO AND RTU FROM SAME PHASE.

APPROVAL OF RECORD DRAWINGS
Project Engineer
[Signature]
Date: 9/4

RECORD DRAWING
DATE: 9/11/92

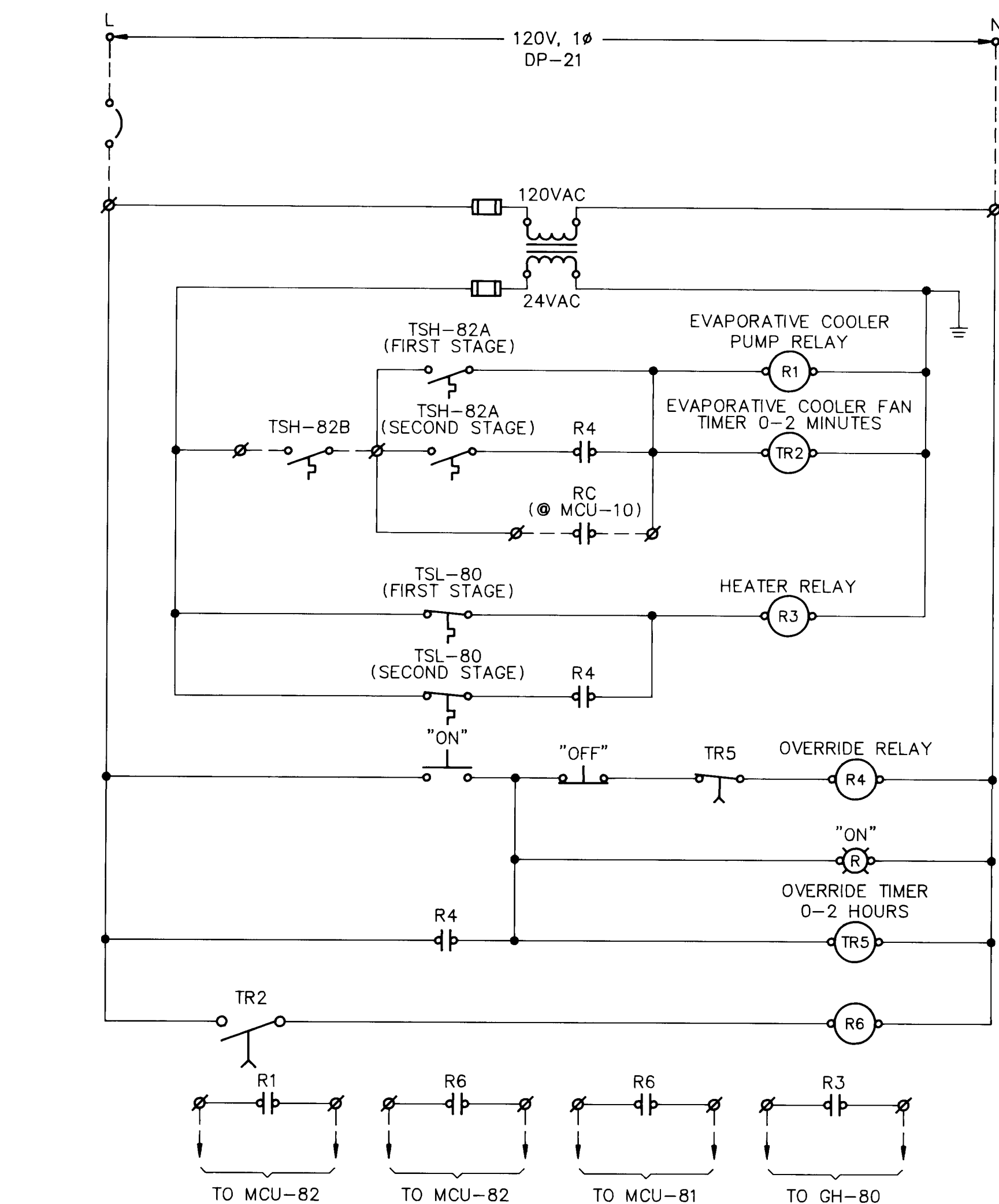
These drawings have been revised based
on field data and every reasonable attempt
has been made to depict construction
actually performed.

SCANNED BY
BY LASON

26 4395.914494

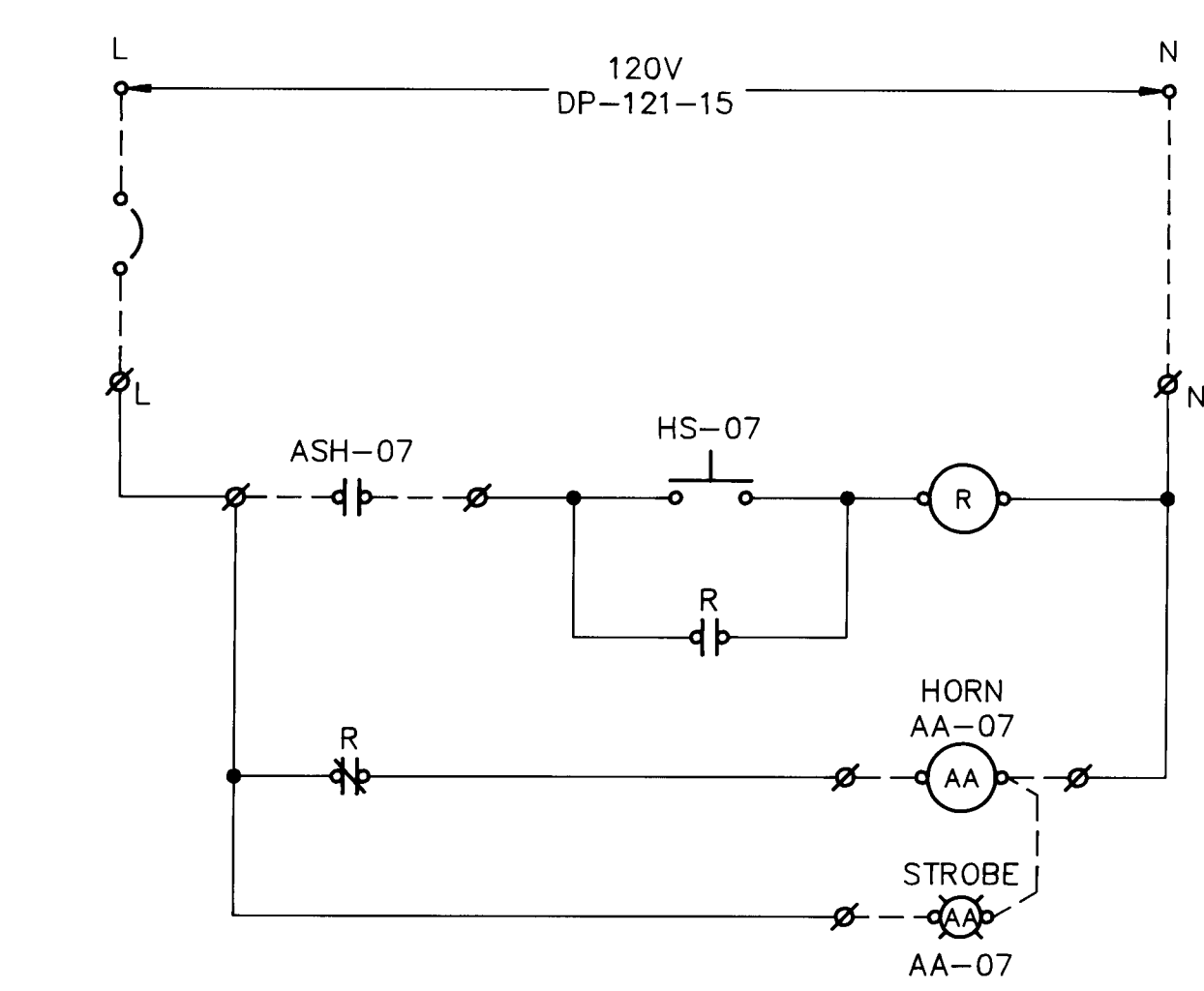
1/91013.13ED1/2GSC/08-26-92/PDS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 SCHEDULES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>		WATER	<i>[Signature]</i>	9-2-92
TRANSPORTATION	<i>[Signature]</i>	9-2-92	WASTE WATER	<i>[Signature]</i>	9-2-92
HYDROLOGY	<i>[Signature]</i>	9-8-92			
PROJECT NO.	4395.91	MAP NO.	H-11 & E-10	SHEET	EG OF 15



1 NO SCALE

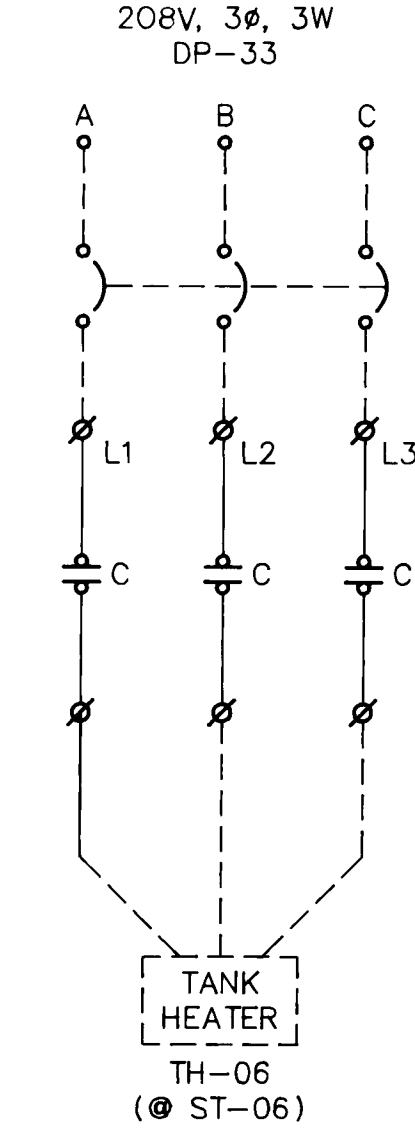
HEATING/COOLING PANEL SCHEMATIC (HCP)



2 NO SCALE

CHLORINE ALARM SCHEMATIC

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



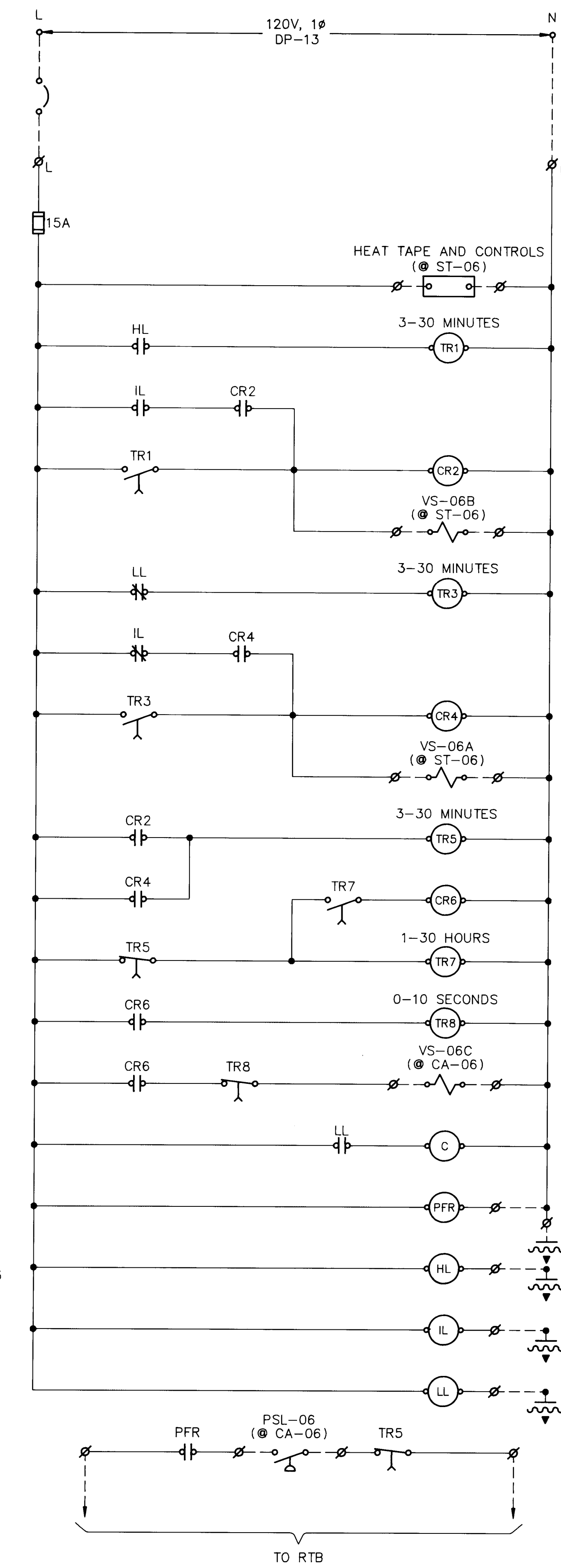
3 NO SCALE

SURGE TANK CONTROL SYSTEM SCHEMATIC (SP-06)

APPROVAL OF RECORD DRAWINGS

Project Engineer

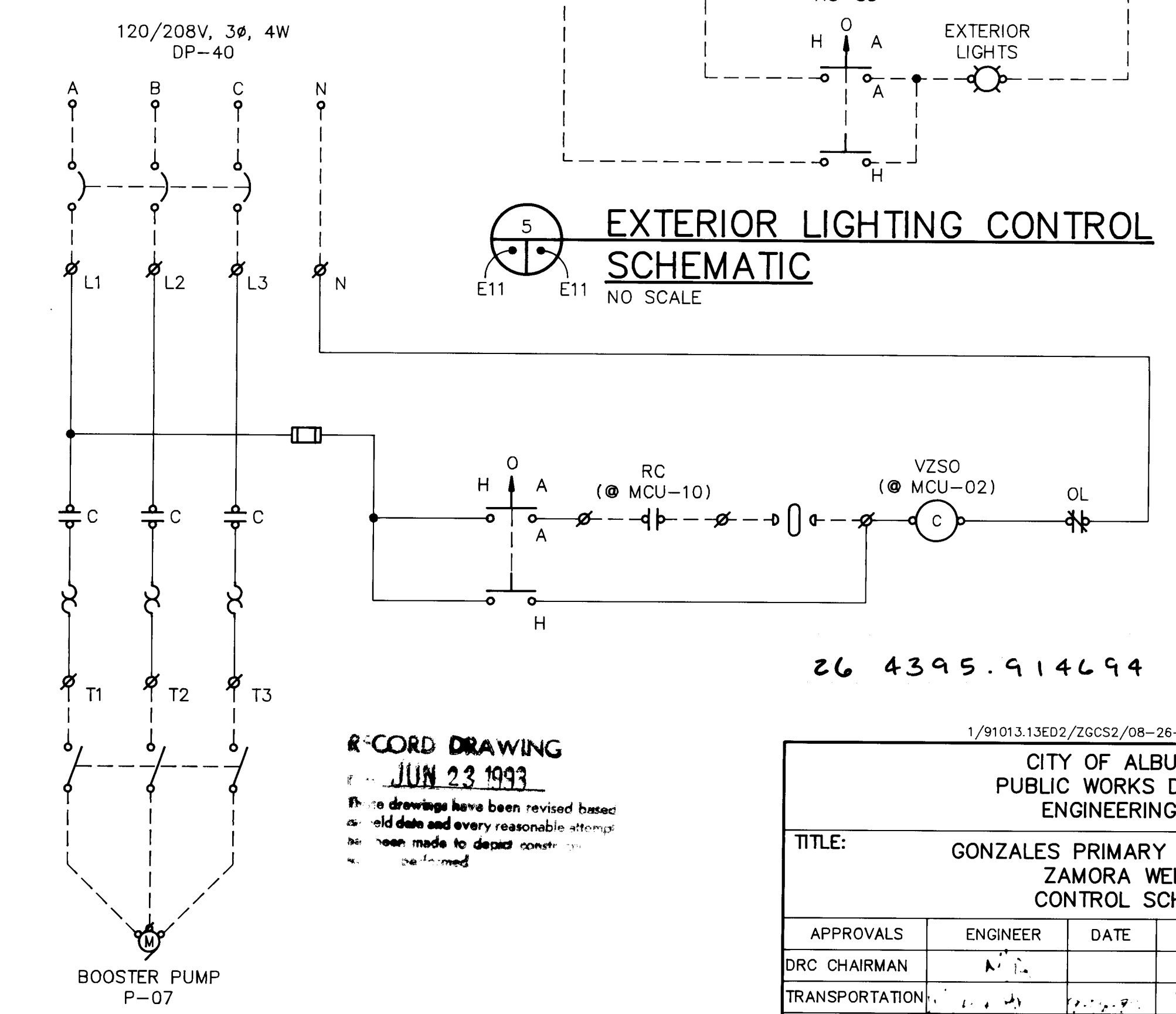
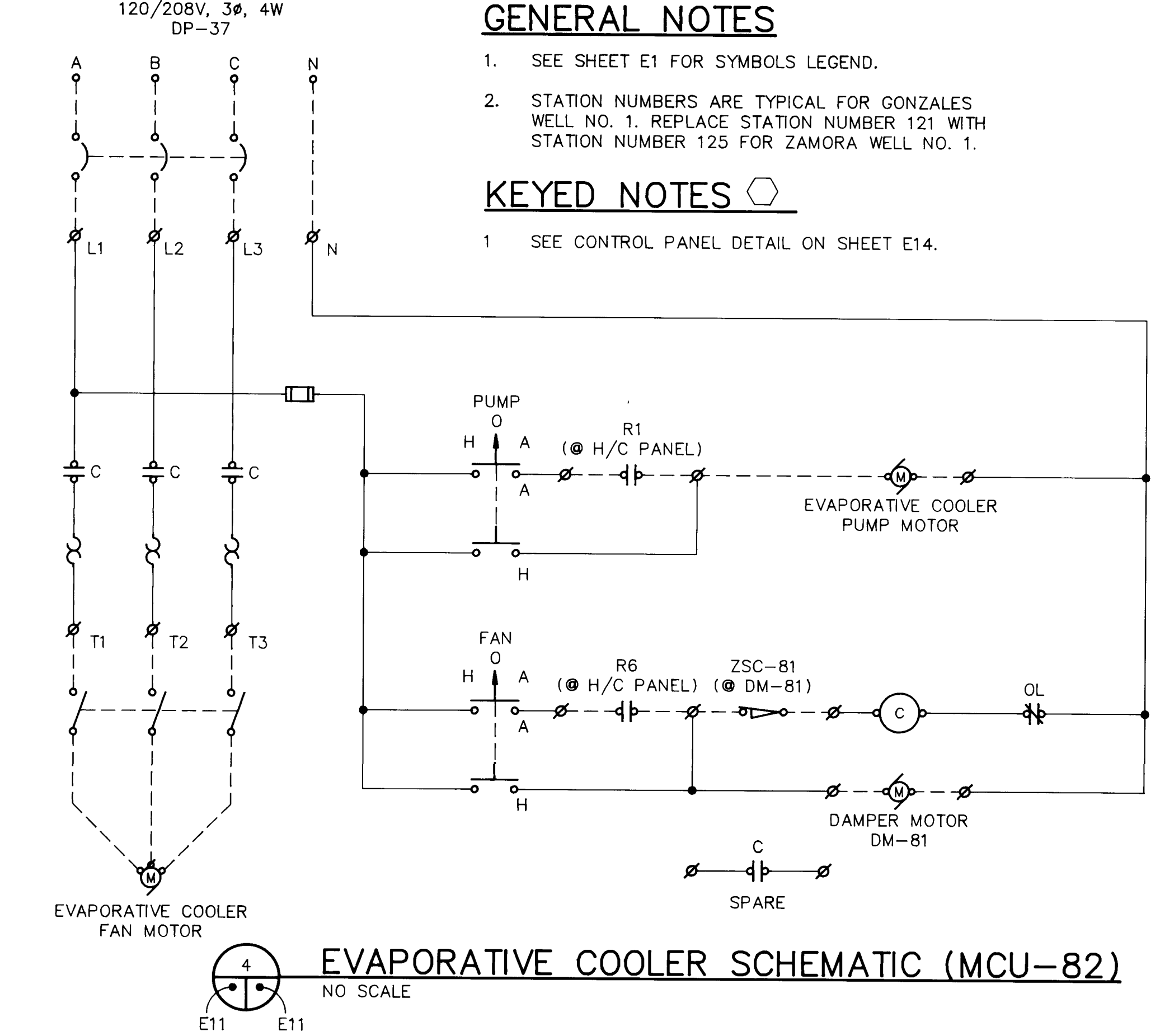
Date



TANK MALFUNCTION

6 NO SCALE

CHLORINE BOOSTER PUMP SCHEMATIC (MCU-07)



RECORD DRAWING

JUN 23 1993

These drawings have been revised based on field data and every reasonable attempt has been made to depict conditions as found.

GENERAL NOTES

- SEE SHEET E1 FOR SYMBOLS LEGEND.
- STATION NUMBERS ARE TYPICAL FOR GONZALES WELL NO. 1. REPLACE STATION NUMBER 121 WITH STATION NUMBER 125 FOR ZAMORA WELL NO. 1.

KEYED NOTES

- SEE CONTROL PANEL DETAIL ON SHEET E14.

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	INSPECTOR	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE
JACO CONSTRUCTORS	12/92	A. B. SURVE INC.	6/93												
STATIONED BY	DATE	FIELD VALUE BY	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE
VERIFIED BY	DATE	CORRECTED BY	DATE												
MICRO-FILM INFORMATION				REVISIONS				DESIGN				STAFF			
RECORDED BY	DATE	NO.		NO.	DATE	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	DESIGNED BY	DATE	DRAWN BY	DATE
						D. HOWARD	JUNE 1992	STAFF	JUNE 1992	D. DOZIER	JUNE 1992				

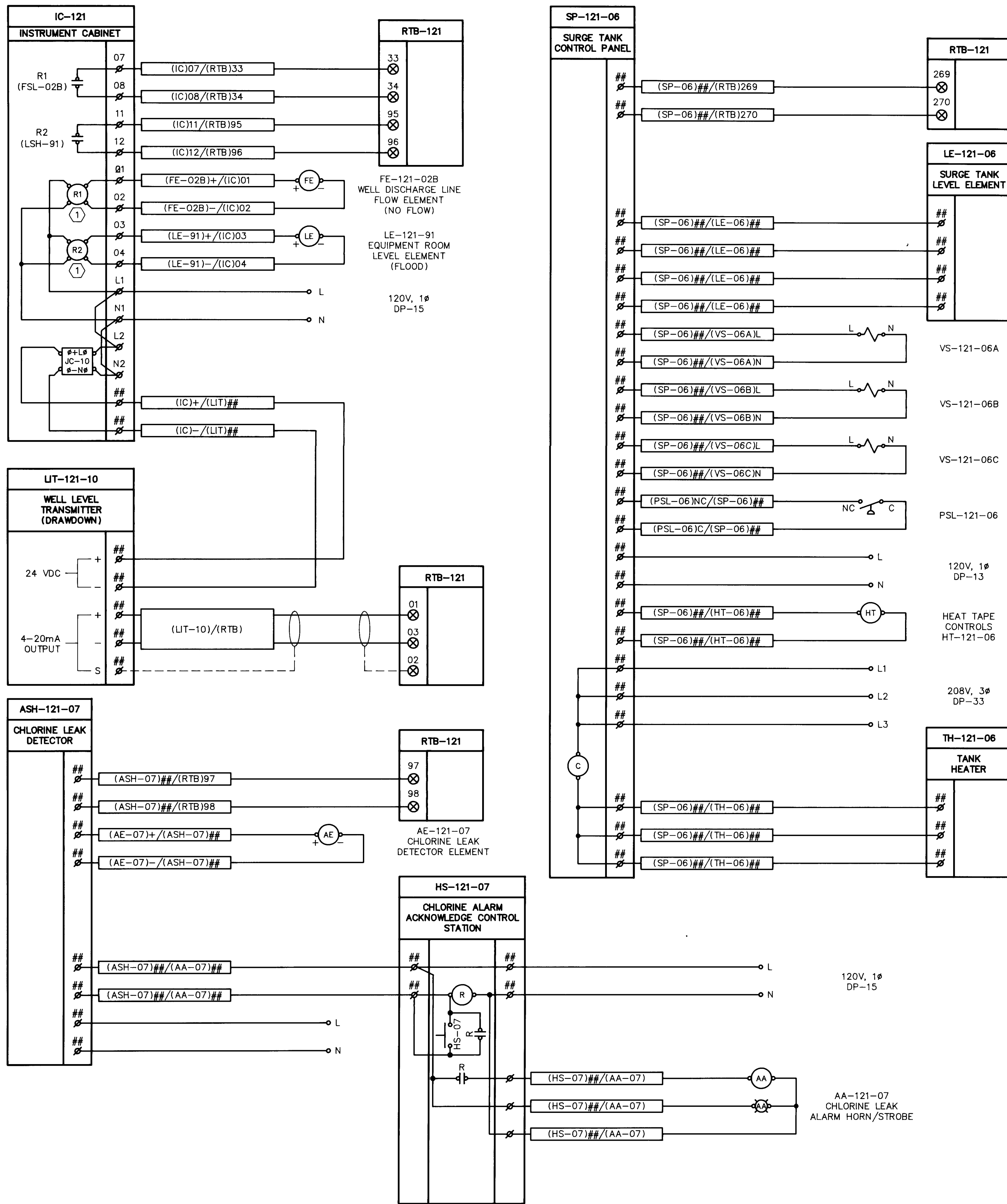
1/91013.13ED2/ZGCS2/08-26-92/PCS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 CONTROL SCHEMATICS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	N/A RWK	9-2-92
TRANSPORTATION			WASTE WATER	N/A RWK	9-2-92
HYDROLOGY					

PROJECT NO. 4395.91 MAP NO. H-11 & E-10 SHEET E11 OF 15

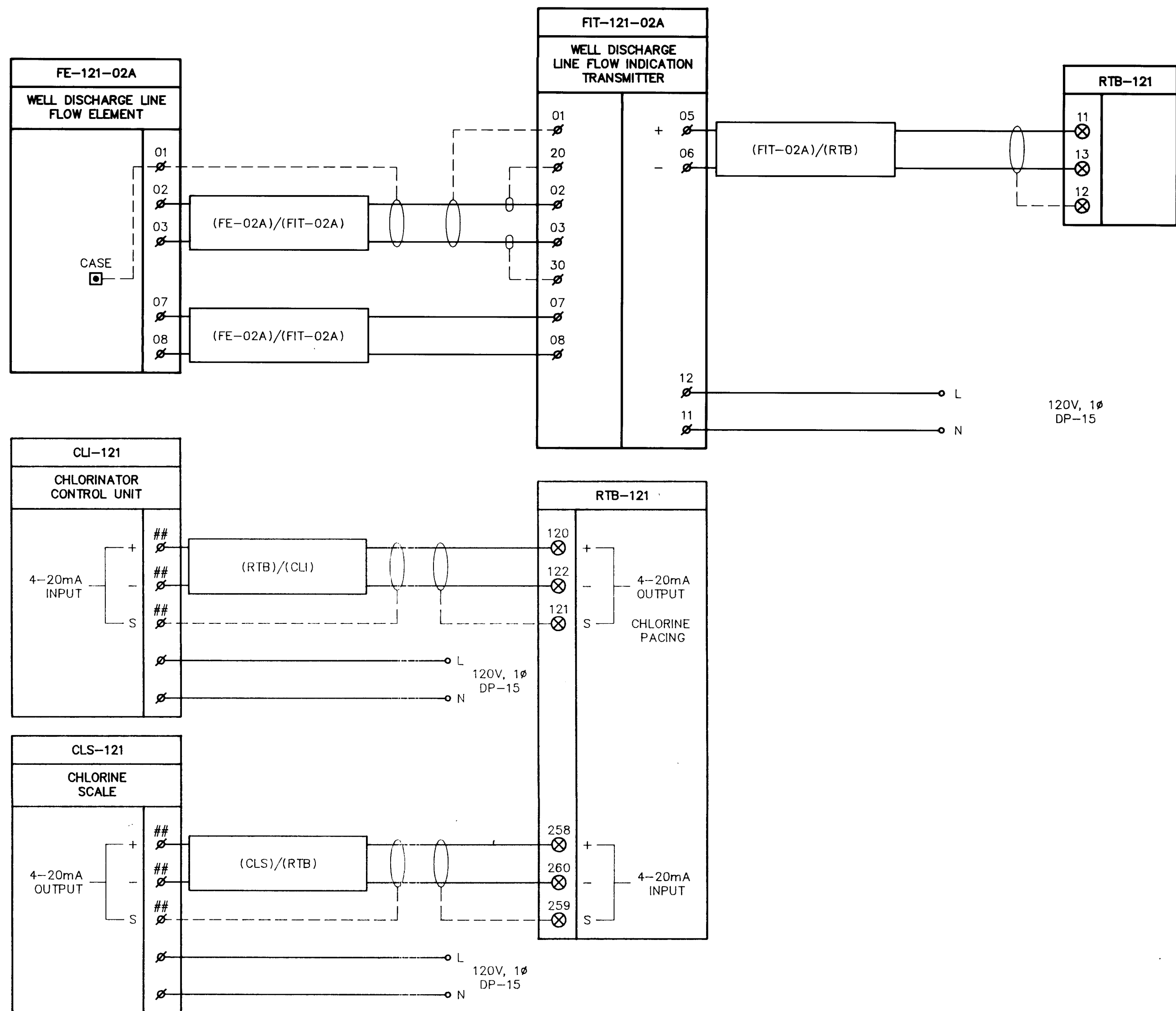


GENERAL NOTES

- SEE SHEET E1 FOR SYMBOLS LEGEND.
- SEE SHEET E9 FOR SCHEDULES.
- REPLACE "##" AND "#-#" WITH ACTUAL TERMINAL ASSIGNMENTS BASED ON MANUFACTURERS DRAWINGS (TYPICAL).
- STATION NUMBERS ARE TYPICAL FOR GONZALES WELL NO. 1. REPLACE STATION NUMBER 121 WITH STATION NUMBER 125 FOR ZAMORA WELL NO. 1.

KEYED NOTES

- B/W CONTROLS INC. RELAY. SEE SECTION 13311 OF THE SPECIFICATIONS.



APPROVAL OF RECORD DRAWINGS
Project Engineer
[Signature]
Date: *[Date]*

RECORD DRAWING
JUN 23 1993

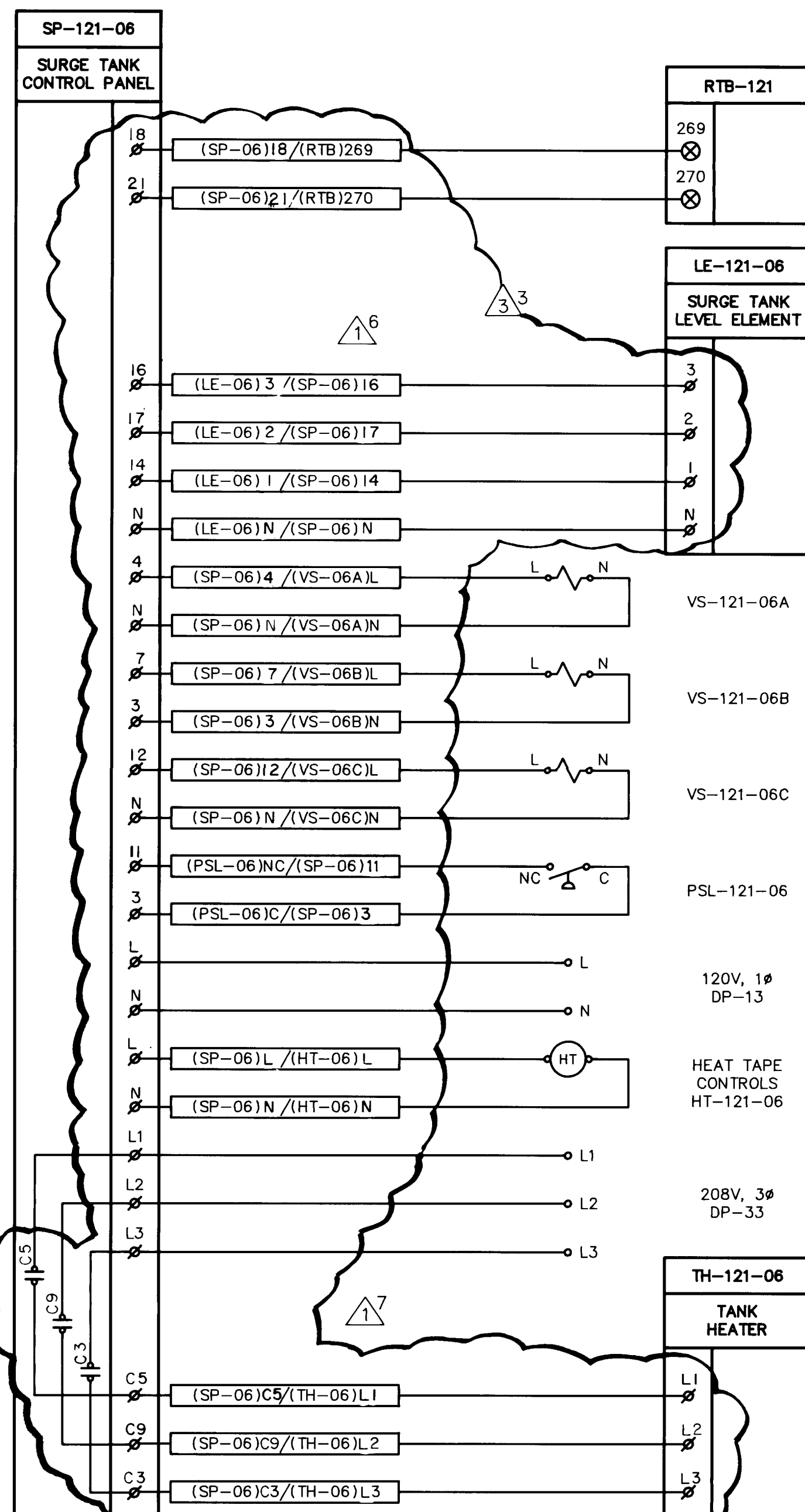
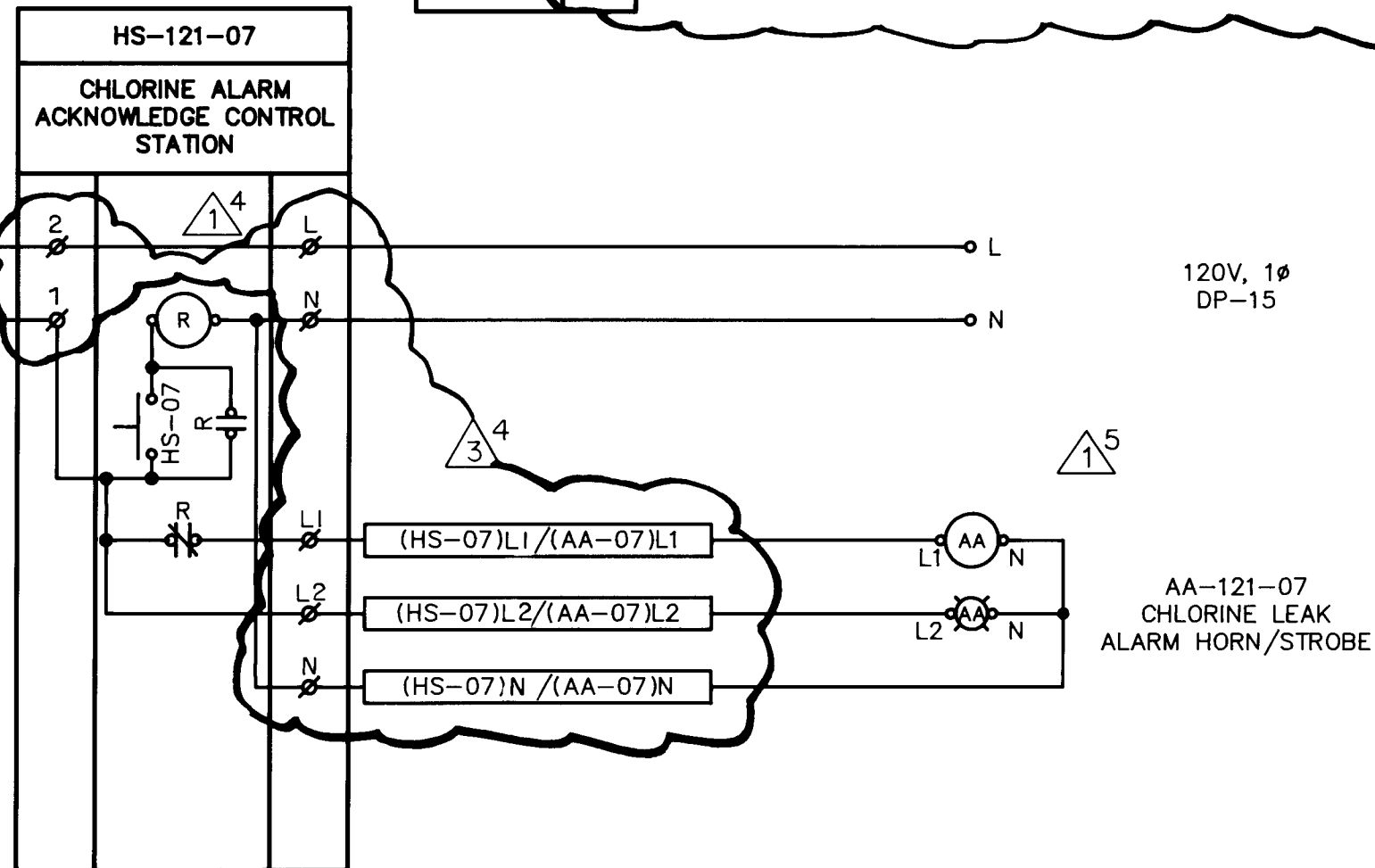
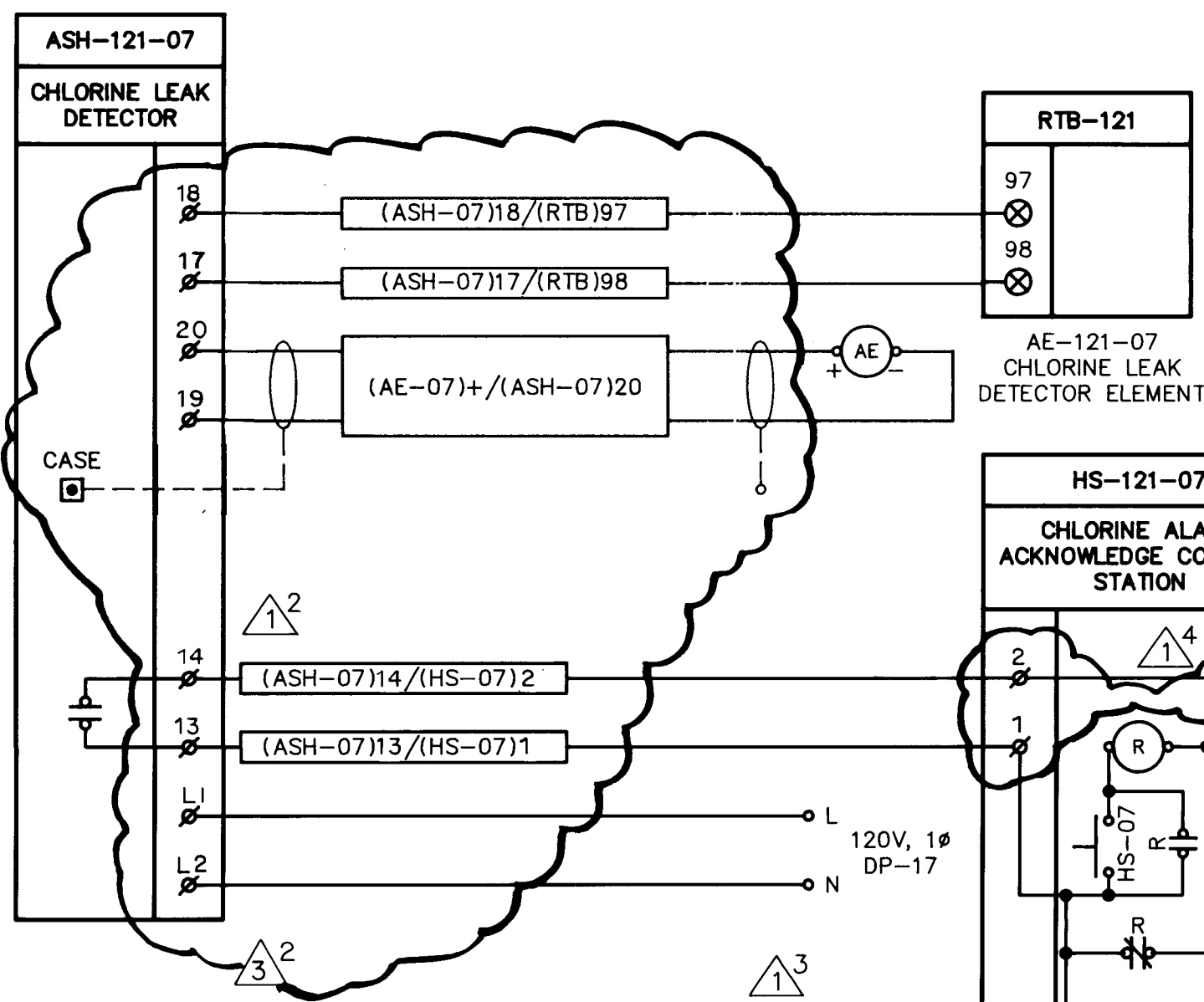
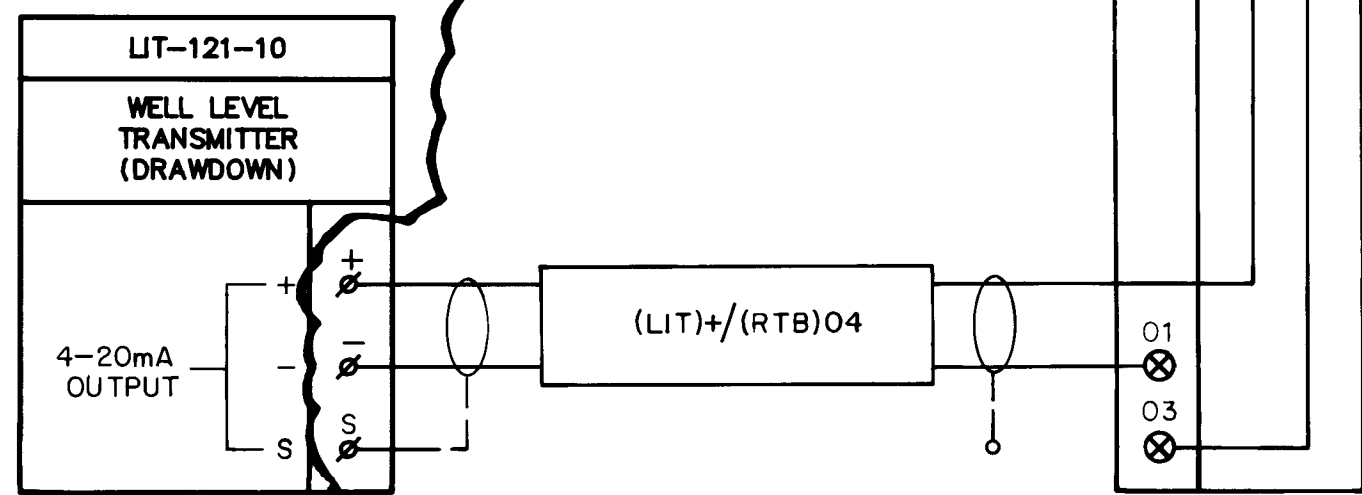
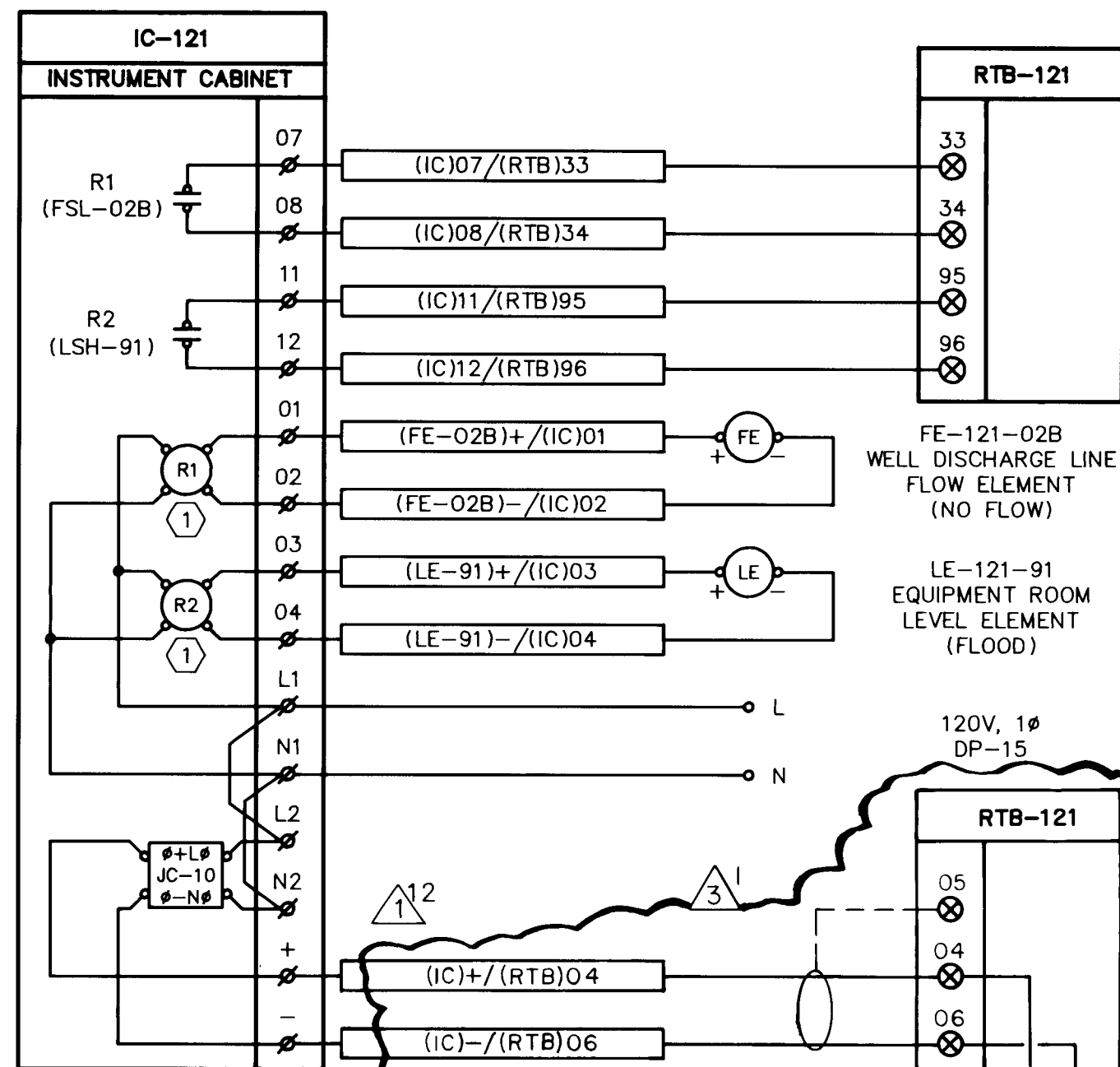
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

26 4395.914799

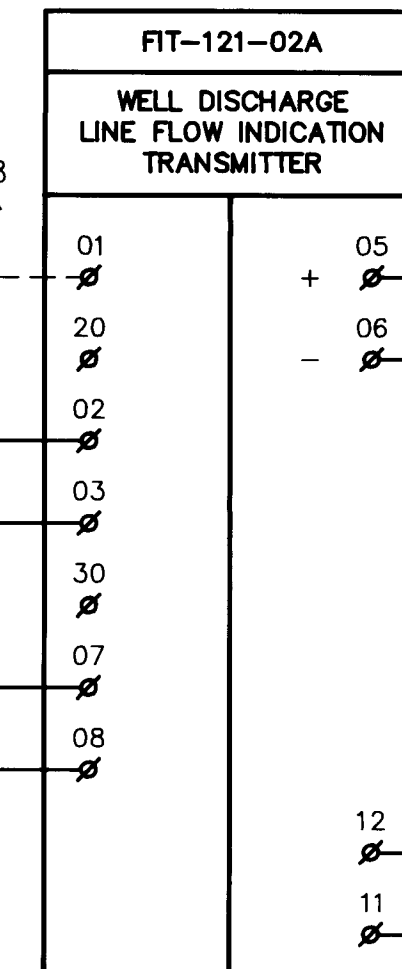
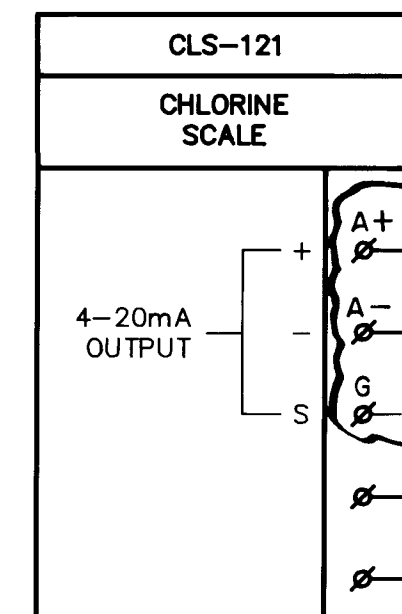
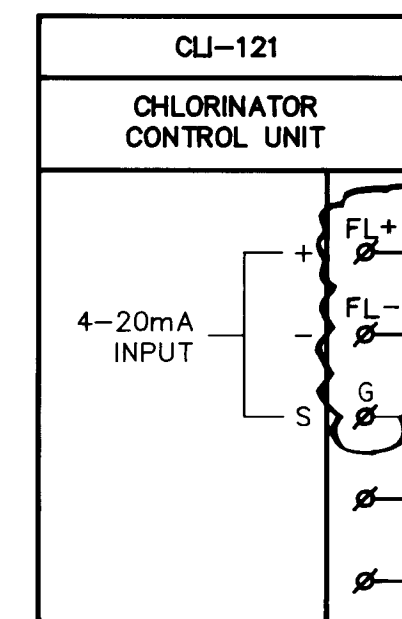
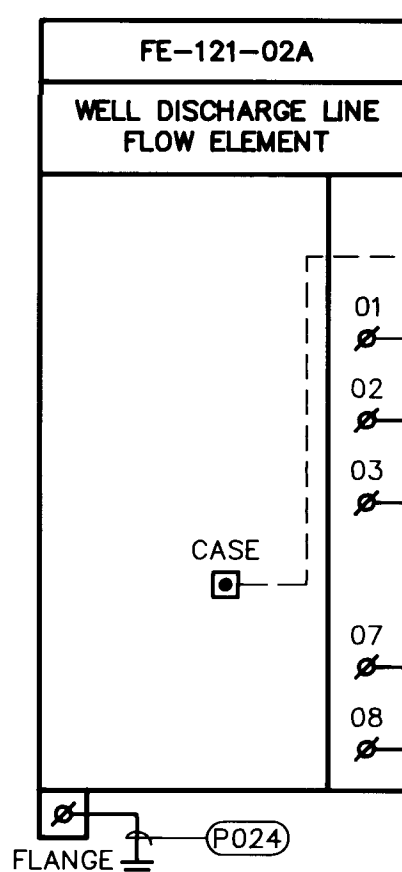
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 INTERCONNECTION DIAGRAMS			
APPROVALS	ENGINEER	DATE	ENGINEER
DRC CHAIRMAN	<i>[Signature]</i>	6/93	U/A RWK
TRANSPORTATION	<i>[Signature]</i>	6/93	U/A RWK
HYDROLOGY	<i>[Signature]</i>	6/93	
DESIGNED BY	D. HOWARD	DATE	JUNE 1992
DRAWN BY	STAFF	DATE	JUNE 1992
CHECKED BY	D. DOZIER	DATE	JUNE 1992
PROJECT NO.	4395.91	MAP NO.	H-11 & E-10
SHEET		E12 OF 15	



SURGE TANK ALARM

HIGH WATER LEVEL PROBE
IDEAL WATER LEVEL PROBE
LOW WATER LEVEL PROBE
GROUND REFERENCE PROBE



GENERAL NOTES

- SEE SHEET E1 FOR SYMBOLS LEGEND.
- SEE SHEET E9 FOR SCHEDULES.
- REPLACE "##" AND "#-" WITH ACTUAL TERMINAL ASSIGNMENTS BASED ON MANUFACTURERS DRAWINGS (TYPICAL).
- STATION NUMBERS ARE TYPICAL FOR GONZALES WELL NO. 1. REPLACE STATION NUMBER 121 WITH STATION NUMBER 125 FOR ZAMORA WELL NO. 1.

KEYED NOTES

- B/W CONTROLS INC. RELAY. SEE SECTION 13311 OF THE SPECIFICATIONS.

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

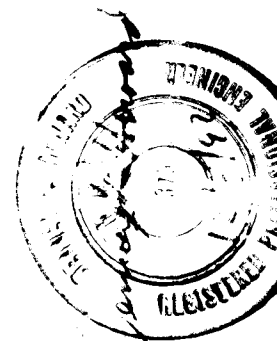
Date: JUN 12 1992
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: JUN 12 1992

SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 INTERCONNECTION DIAGRAMS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					
PROJECT NO.	4395.91	MAP NO.	H-11 & E-10	SHEET	E12 OF 15

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
JACO CONSTRUCTORS	12/92						
STARTED BY	DATE	BY	DATE	REVISIONS	DESIGN	DATE	DATE
INSPECTOR'S NAME	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD VERIFICATION BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CORRECTED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE

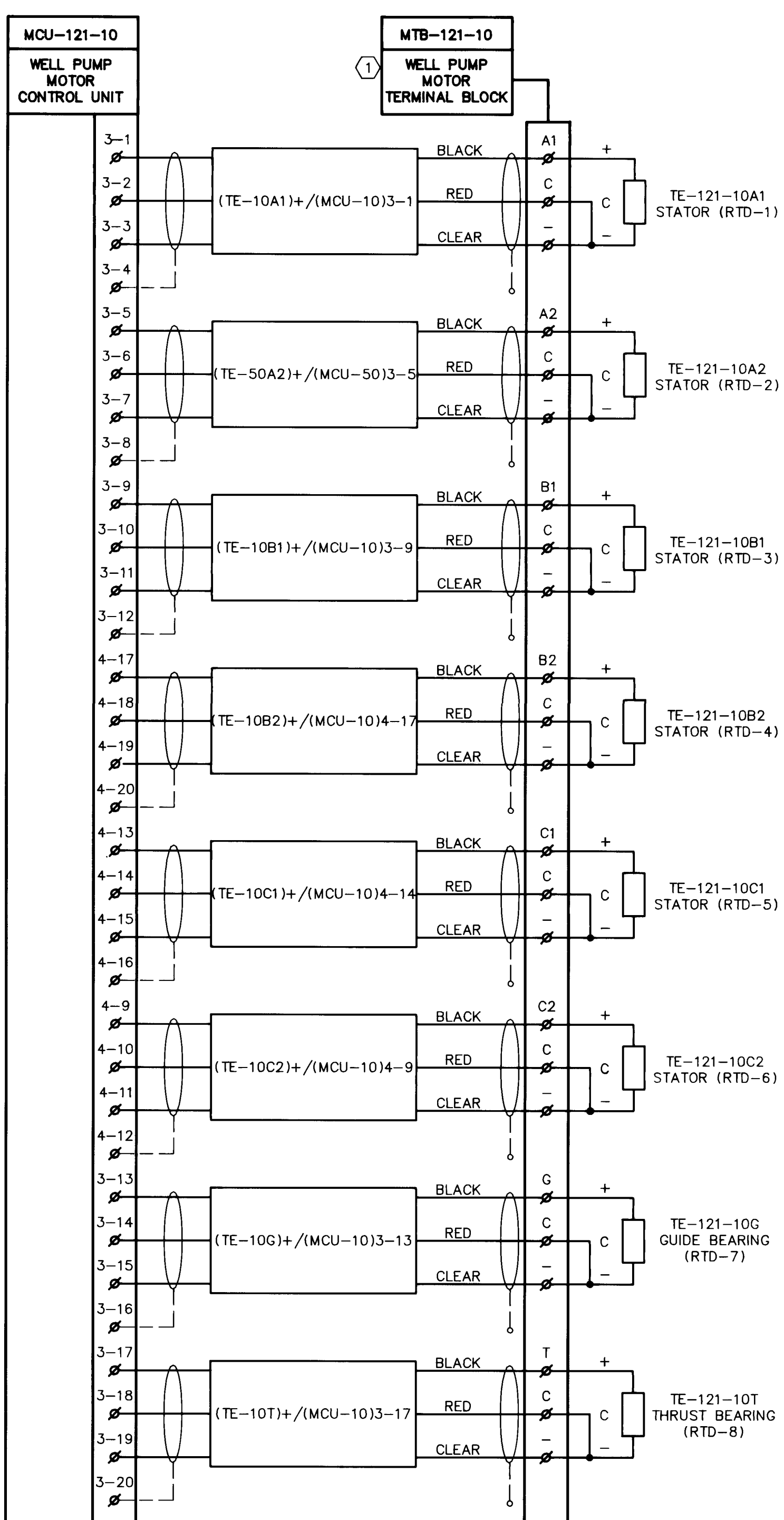
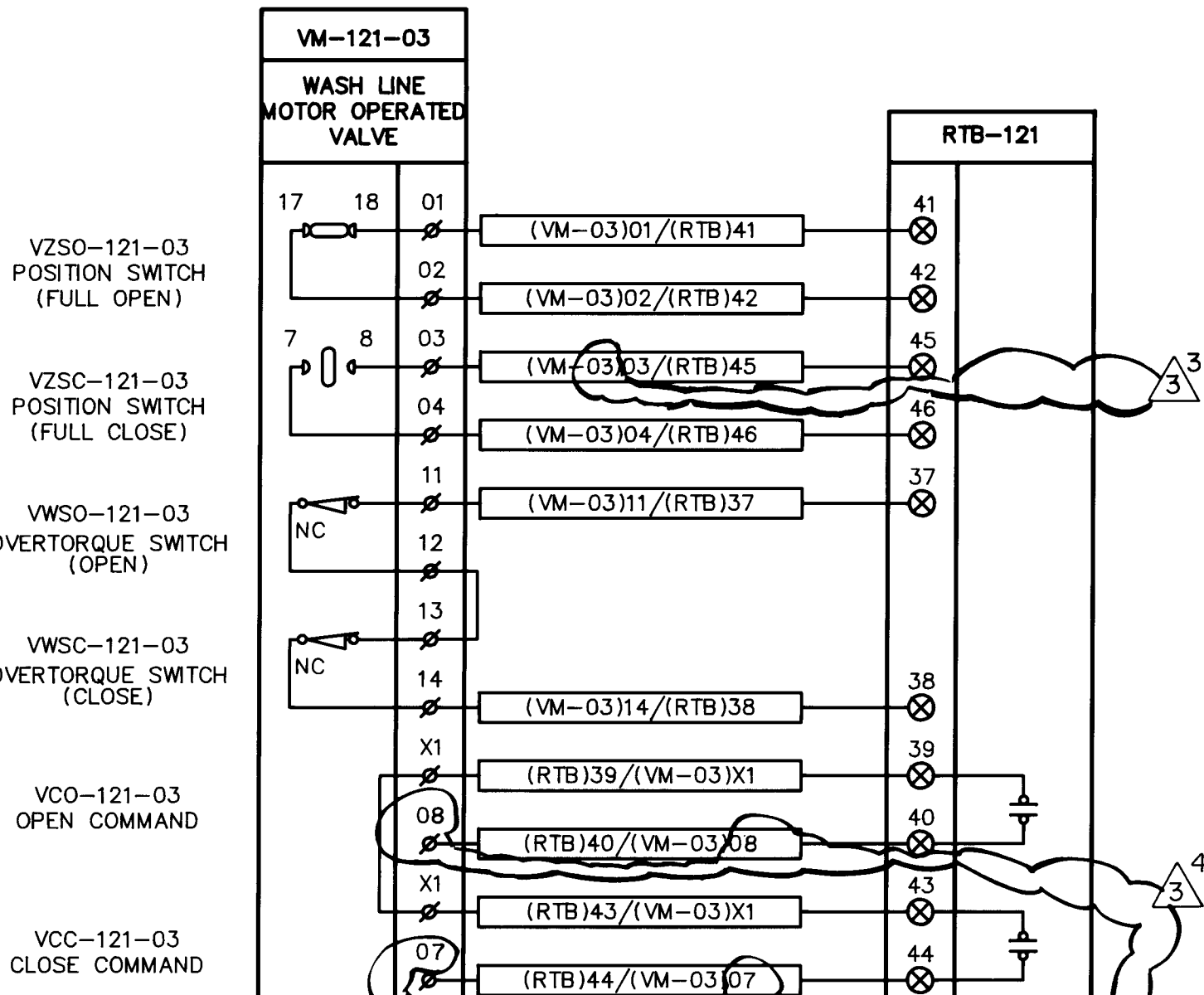
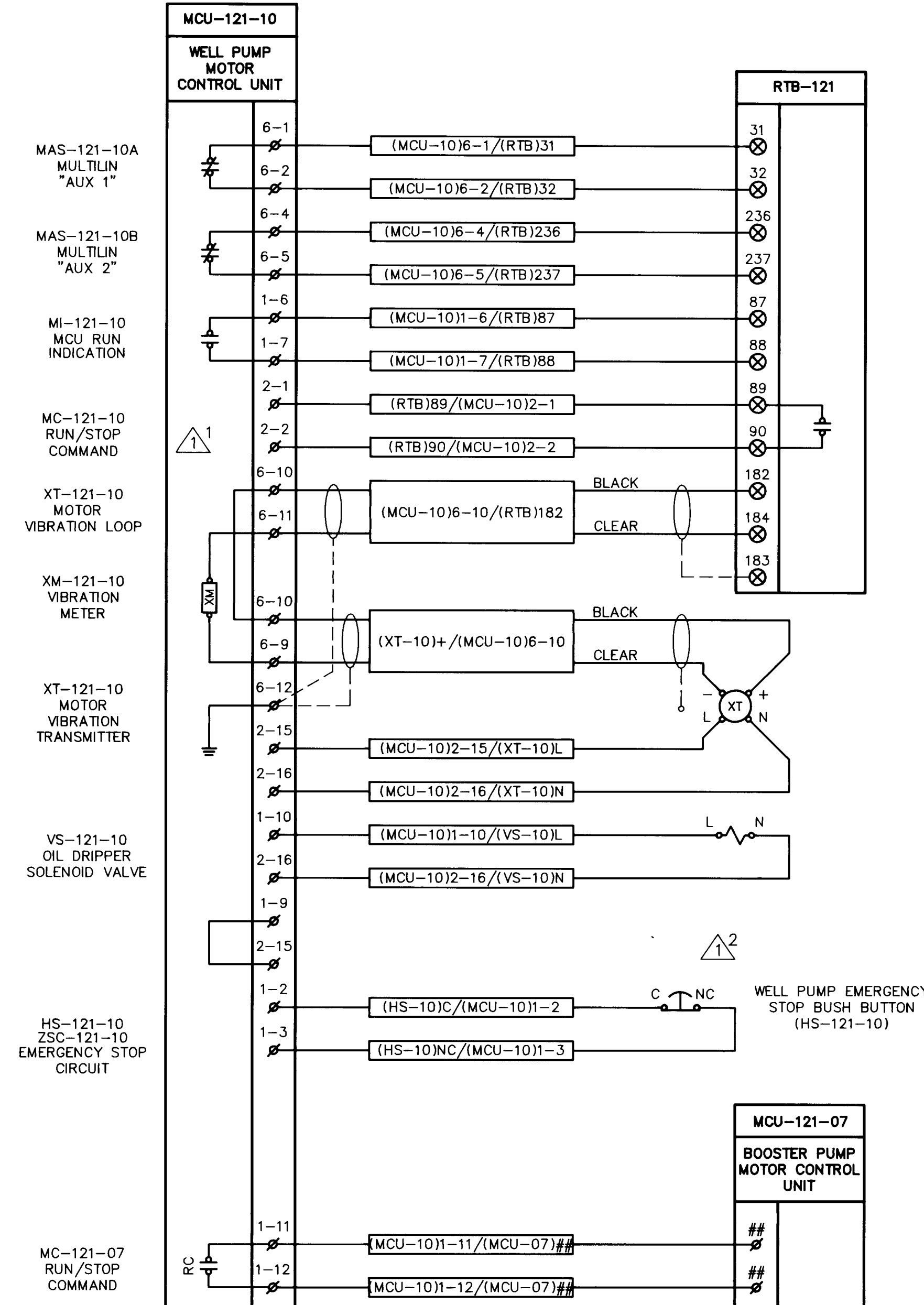
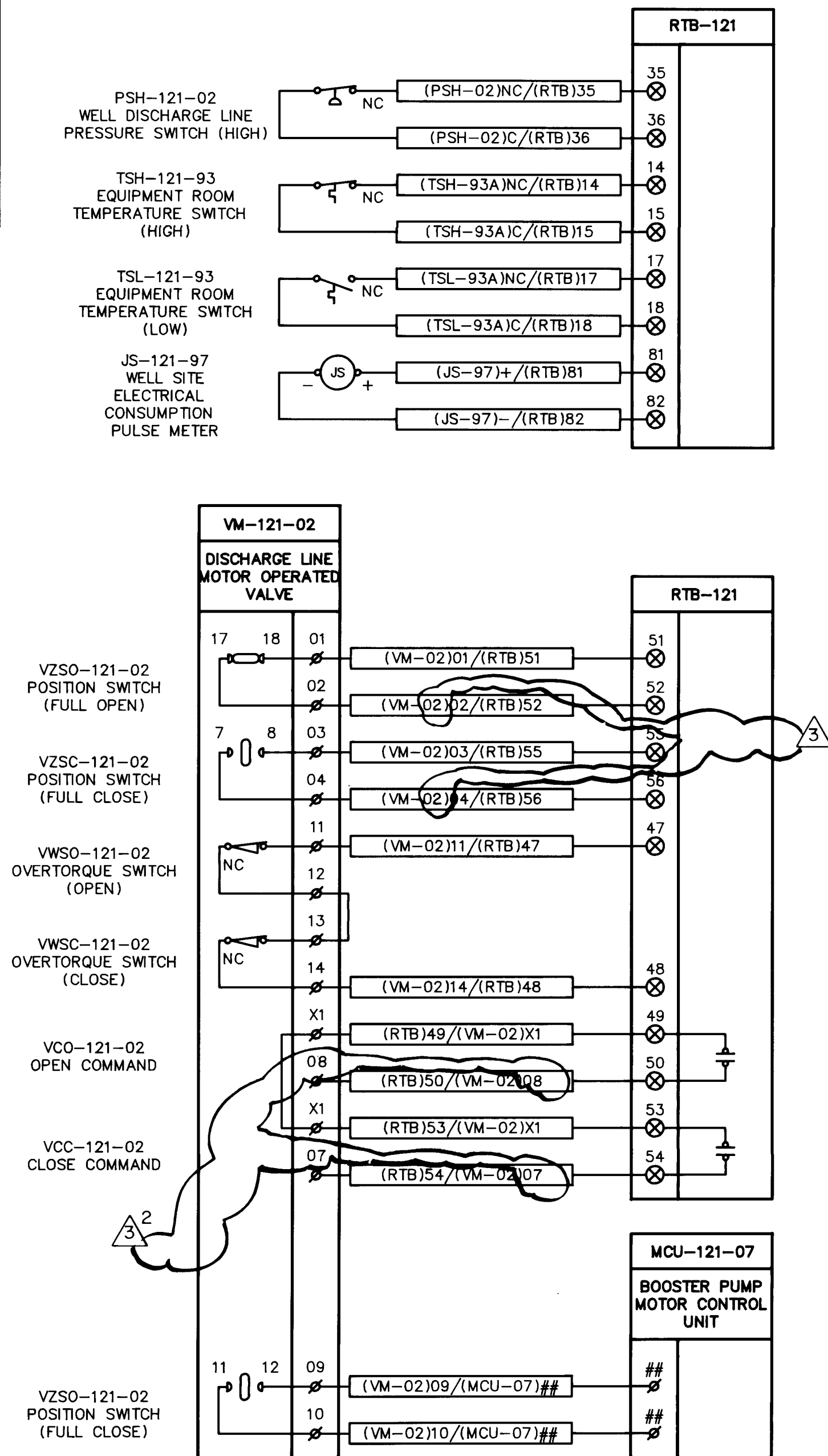


GENERAL NOTES

- 1. SEE SHEET E1 FOR SYMBOLS LEGEND.
- 2. SEE SHEET E9 FOR SCHEDULES.
- 3. REPLACE "##" AND "#-#" WITH ACTUAL TERMINAL ASSIGNMENTS BASED ON MANUFACTURERS SHOP DRAWINGS (TYPICAL).
- 4. STATION NUMBERS ARE TYPICAL FOR GONZALES WELL NO. 1. REPLACE STATION NUMBER 121 WITH STATION NUMBER 125 FOR ZAMORA WELL NO. 1.

KEYED NOTES

- 1 VIA JUNCTION BOX AT MOTOR AND THEN VIA FLEXIBLE CONDUIT TO DEVICE OR TERMINAL BLOCK.



APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: 6/11/94

RECORD DRAWING
JUN 23 1994
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

REDRAWN FOR RECORD PURPOSES

1/91013.13ED1/Z0102/12-08-92/PDS

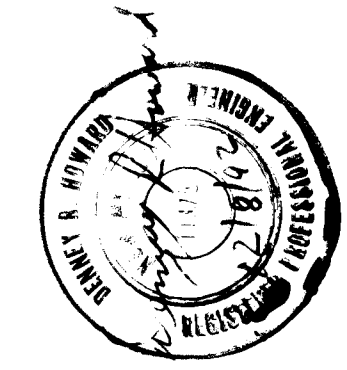
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 INTERCONNECTION DIAGRAMS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4395.91 MAP H-11 & E-10 SHEET E13 OF 15

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	DATE	DATE												
INSPECTOR	DATE	DATE	DATE												
FIELD VERIFICATION	DATE	DATE	DATE												
FIELD CORRECTION	DATE	DATE	DATE												
RECORDED BY	DATE	DATE	DATE												
NO.	BY	DATE													



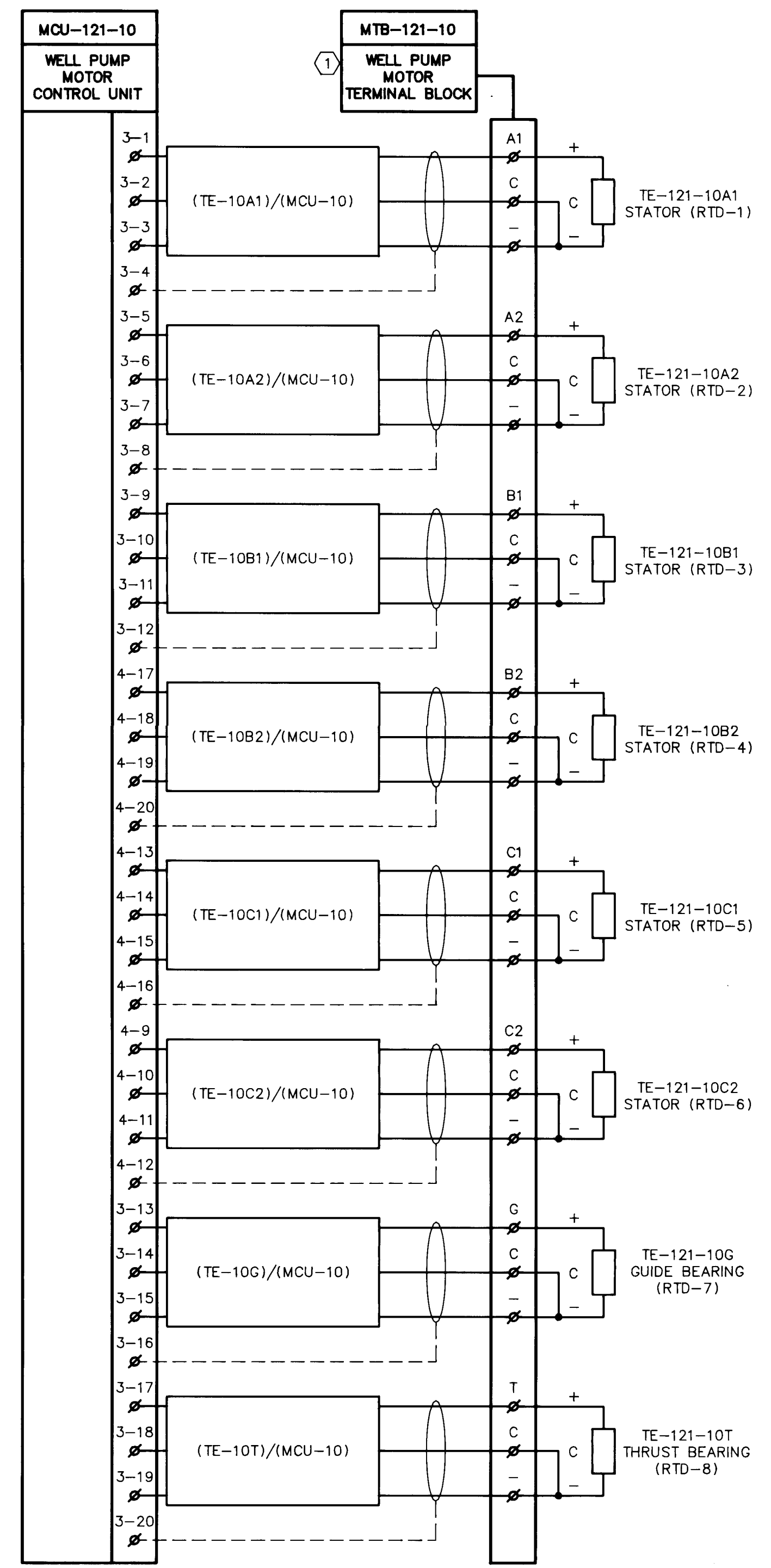
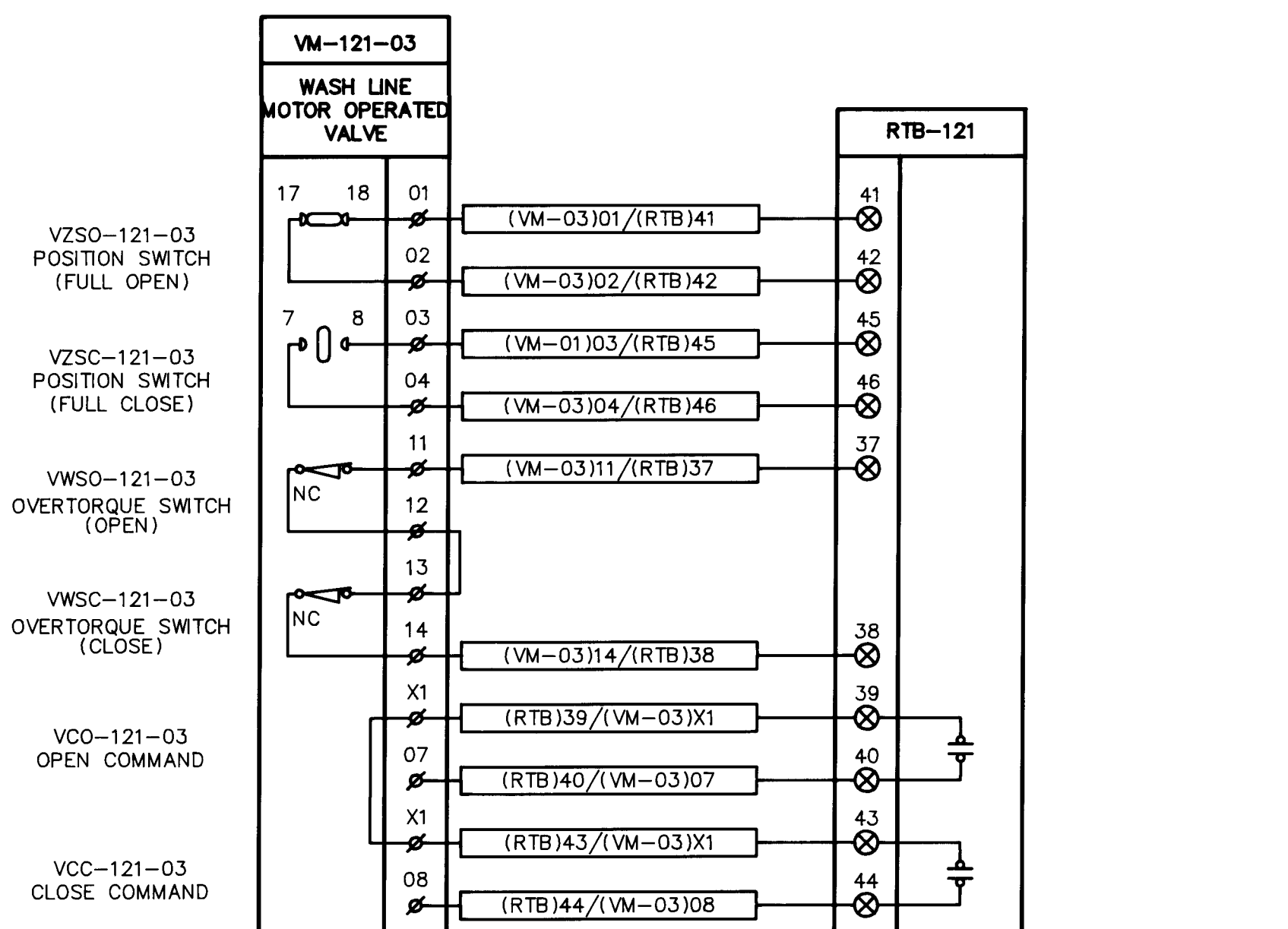
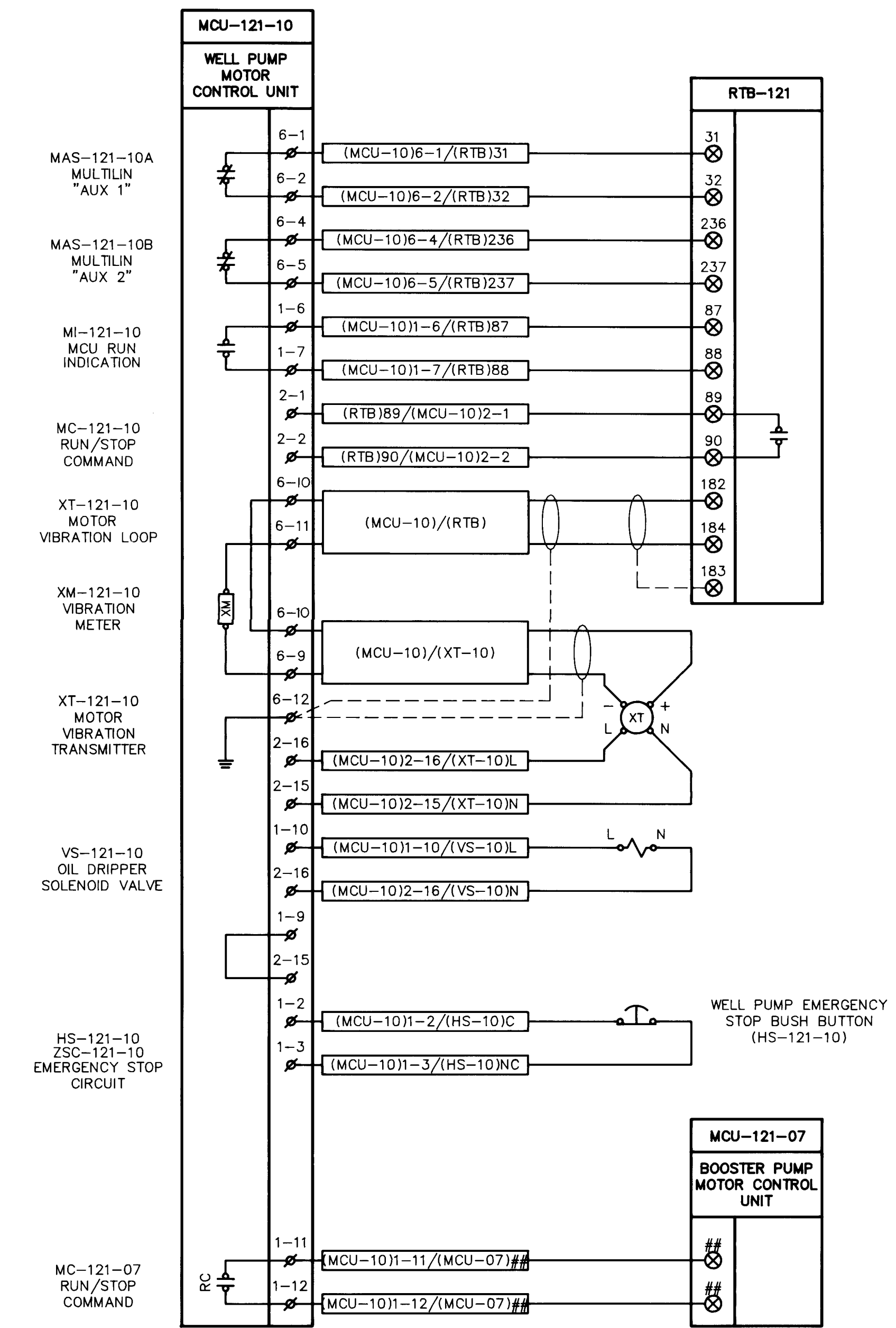
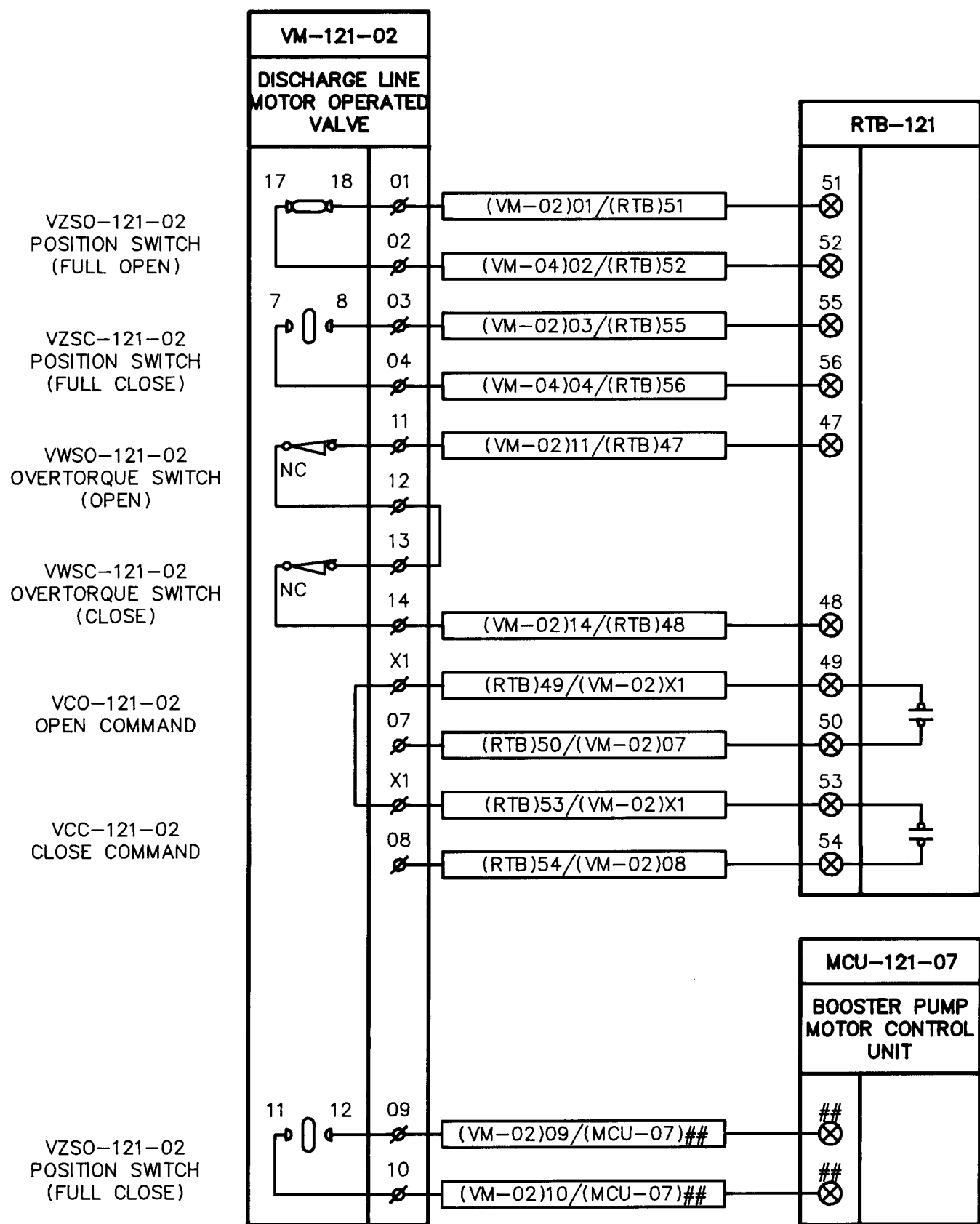
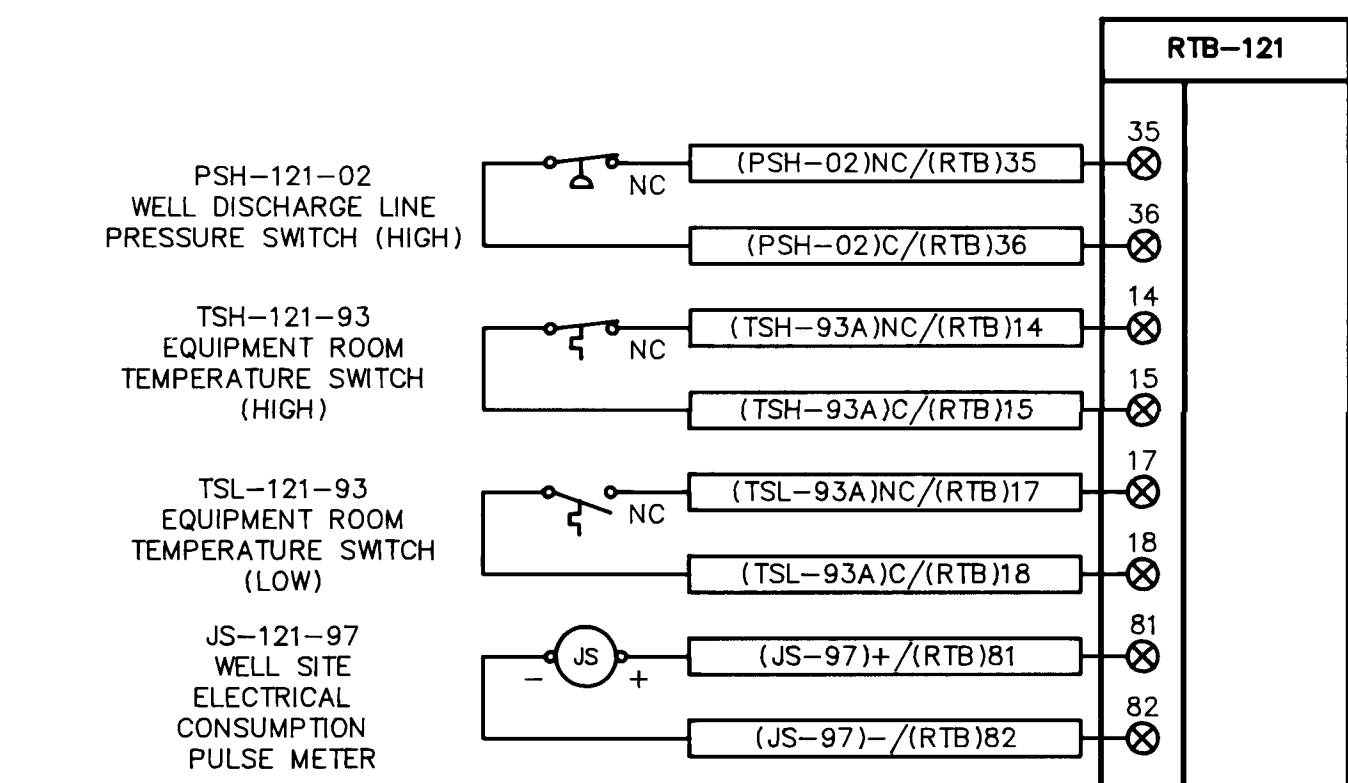
REVISIONS
DESIGN
DATE: JUNE 1992
DESIGNED BY: D. HOWARD
DRAWN BY: STAFF
CHECKED BY: D. DOZIER
DATE: JUNE 1992

GENERAL NOTES

- 1. SEE SHEET E1 FOR SYMBOLS LEGEND.
- 2. SEE SHEET E9 FOR SCHEDULES.
- 3. REPLACE "##" AND "#-" WITH ACTUAL TERMINAL ASSIGNMENTS BASED ON MANUFACTURERS SHOP DRAWINGS (TYPICAL).
- 4. STATION NUMBERS ARE TYPICAL FOR GONZALES WELL NO. 1. REPLACE STATION NUMBER 121 WITH STATION NUMBER 125 FOR ZAMORA WELL NO. 1.

KEYED NOTES

- 1 VIA JUNCTION BOX AT MOTOR AND THEN VIA FLEXIBLE CONDUIT TO DEVICE OR TERMINAL BLOCK.



APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: JUN 23 1994

RECORD DRAWING
Date: JUN 23 1994
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

26 4395.914894

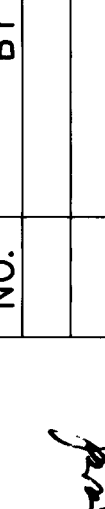
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

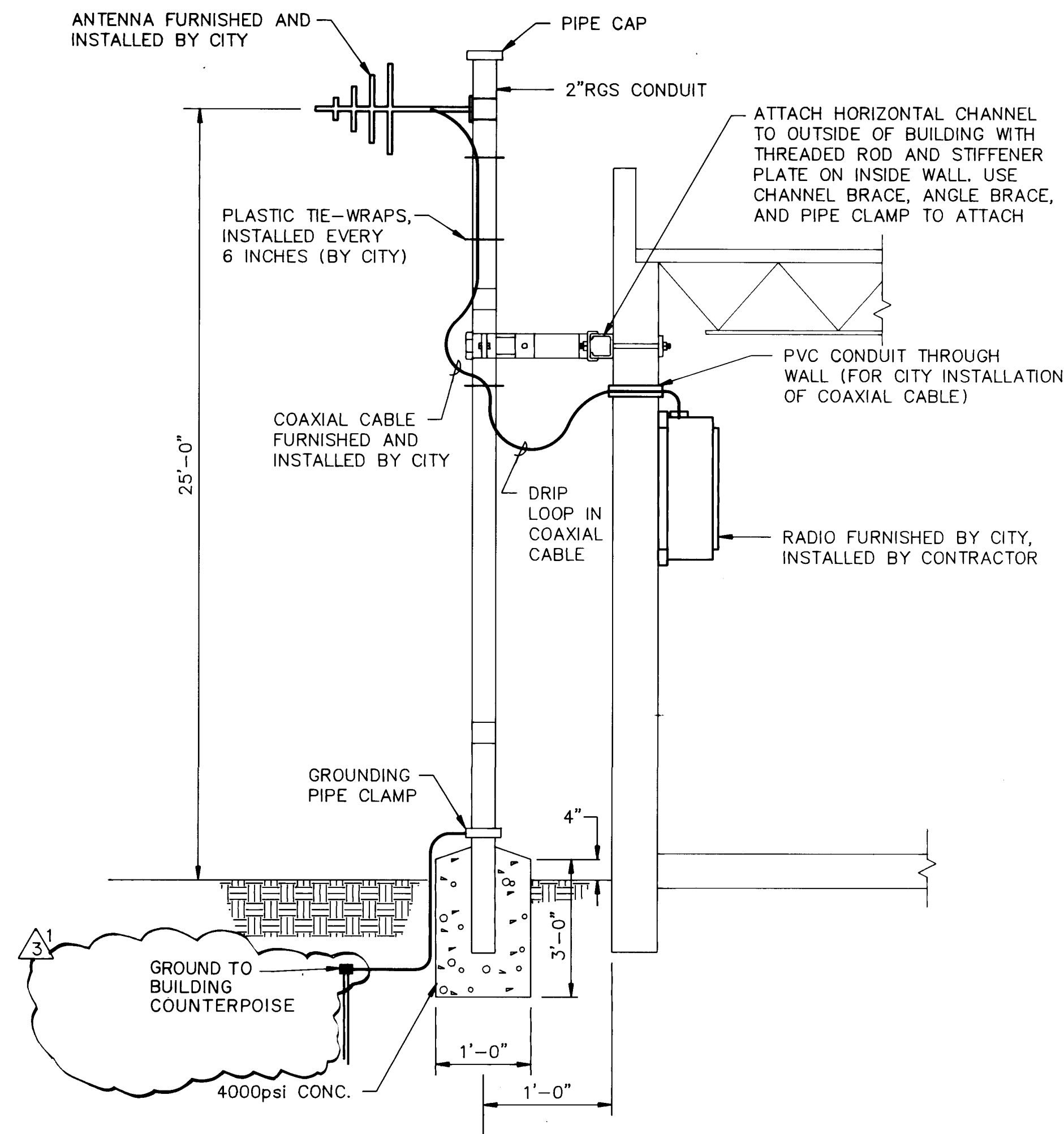
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 INTERCONNECTION DIAGRAMS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
ORC CHAIRMAN	N/A	10-6-92	WATER	N/A	10-6-92
TRANSPORTATION	N/A	10-6-92	WASTE WATER	N/A	10-6-92
HYDROLOGY	N/A				

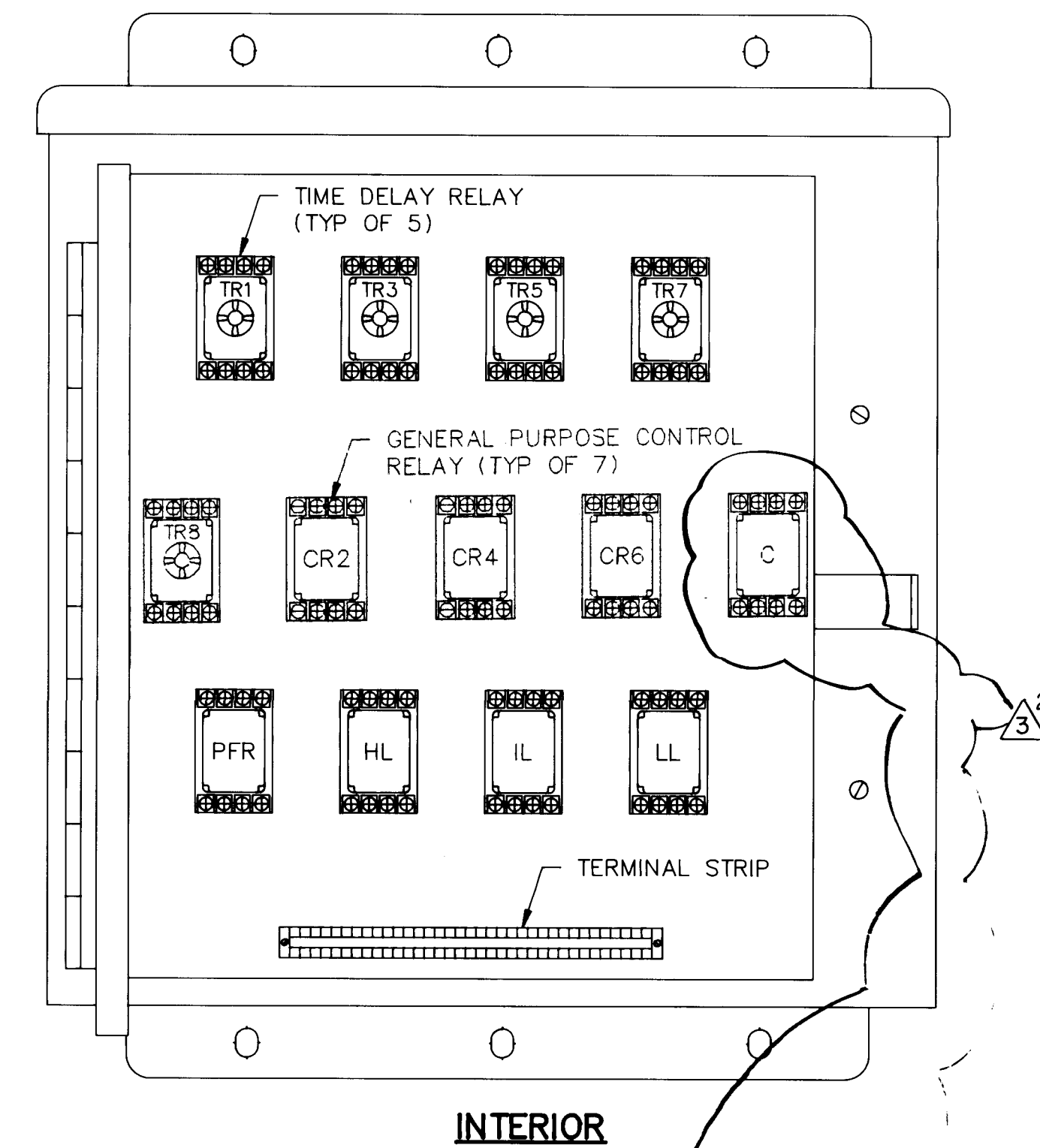
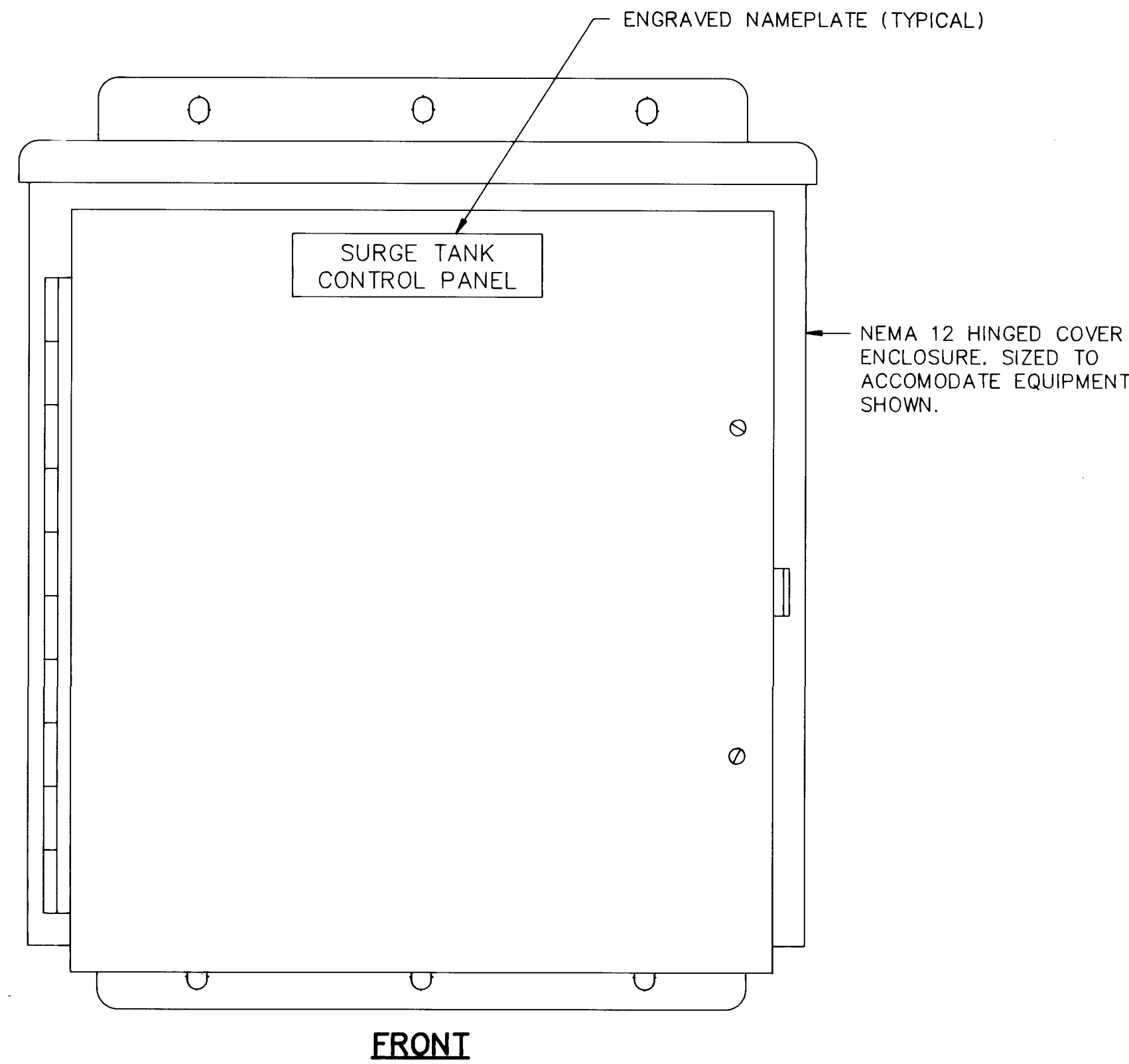
PROJECT NO. 4395.91 MAP NO. H-11 & E-10 SHEET E13 OF 15

ENGINEER'S SEAL			SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
			FIELD NOTES								
			NO.	BY	DATE						





RADIO ANTENNA AND MAST DETAIL
NOT TO SCALE



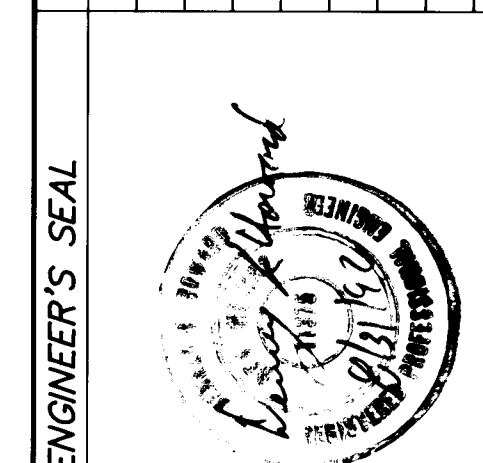
SURGE TANK CONTROL PANEL DETAIL (SP-06)
NOT TO SCALE

GENERAL NOTES

1. SEE SHEET E1 FOR SYMBOLS LEGEND.

AS BUILT INFORMATION			
CONTRACTOR	DATE	CONTRACTOR	DATE
STARTED BY	DATE	STARTED BY	DATE
INSPECTED BY	DATE	INSPECTED BY	DATE
FIELD	DATE	FIELD	DATE
REVISION	DATE	REVISION	DATE
CORRECTED BY	DATE	CORRECTED BY	DATE
MICRO-FILM INFORMATION			
RECORDED BY	DATE	RECORDED BY	DATE
NO.		NO.	

SURVEY INFORMATION			
FIELD NOTES	BY	DATE	
NO.			



ENGINEER'S SEAL			
RECORD DRAWING	REVISIONS	DESIGN	
NO.	DATE	DESIGNED BY	DATE
32	6/93	D. HOWARD	JUNE 1992
		DRAWN BY	DATE
		STAFF	JUNE 1992
		CHECKED BY	DATE
		D. DOZIER	JUNE 1992

26 4395.915094

1/91013.13ED1/ZGDET2/08-26-92/SJH

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES PRIMARY WELL NO. 1 AND ZAMORA WELL NO. 1 DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	N/A RWK	9-2-92	WATER	N/A RWK	9-2-92
TRANSPORTATION	N/A RWK	9-2-92	WASTE WATER	N/A RWK	9-2-92
HYDROLOGY	CAM	9-8-92			
PROJECT NO.	4395.91	MAP NO.	H-11 & E-10	SHEET	E15 OF 15

APPROVAL OF RECORD DRAWINGS
Project Engineer
Date: FIB 119

RECORD DRAWING
JUN 23 1993
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

SCANNED BY
BY LASON