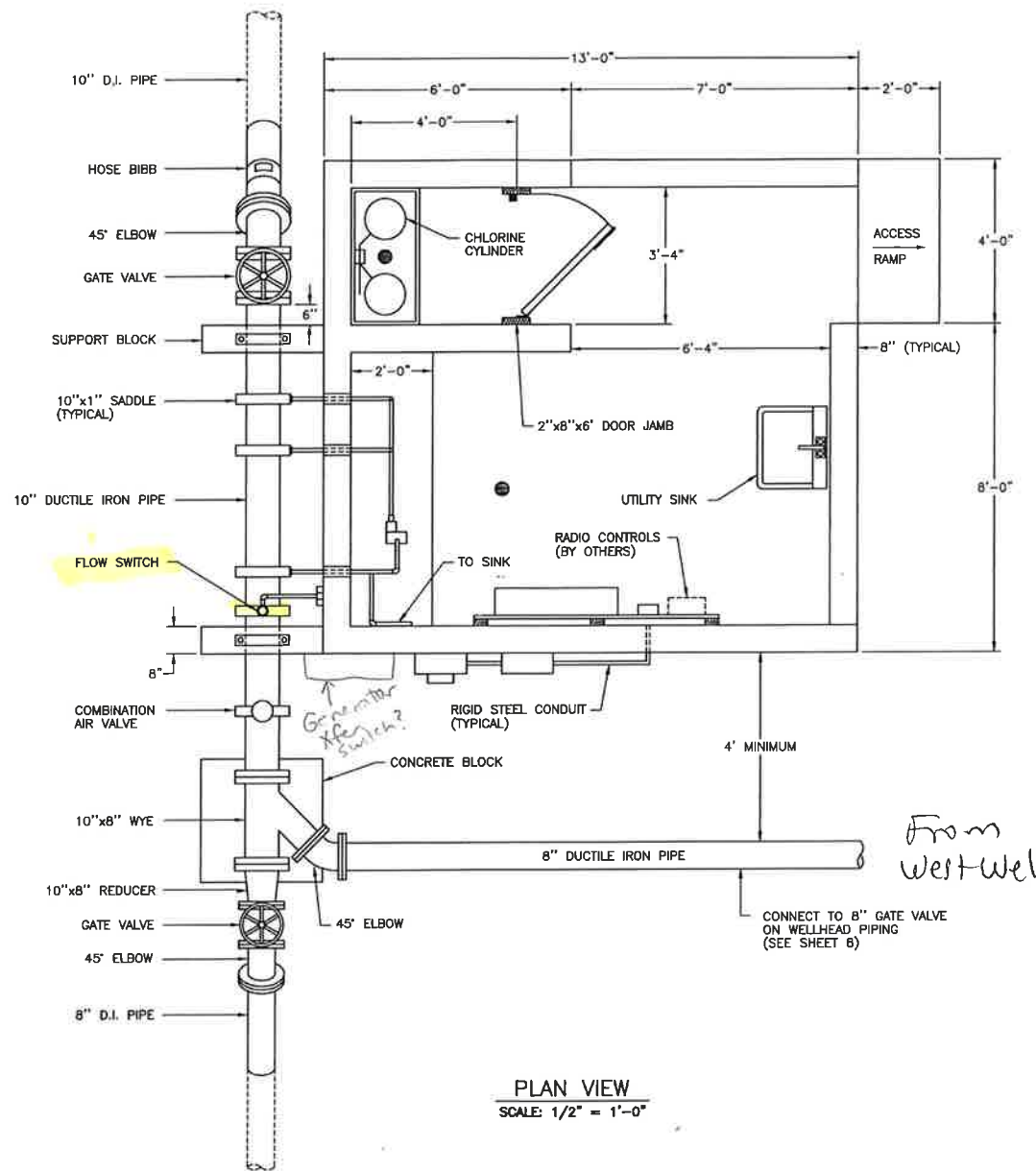


EXHIBIT 3 (EXISTING RECORD DRAWINGS)

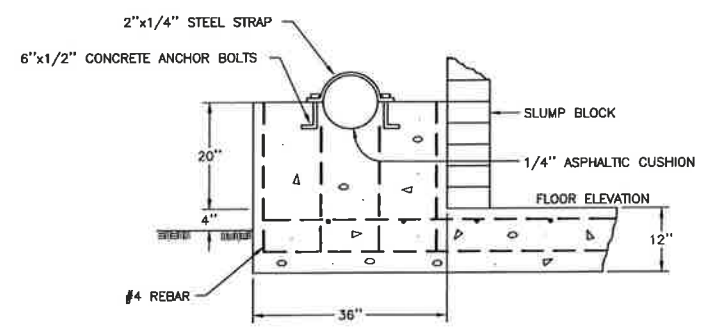
As-Built Appendix

1. East and West Well Sites.....	317
2. East Well Waste Valve and Drain.....	325
3. Pumphouse - Piping and Plumbing.....	327
4. Wiring Schematic.....	334
5. East Well DWPCV Installation.....	345

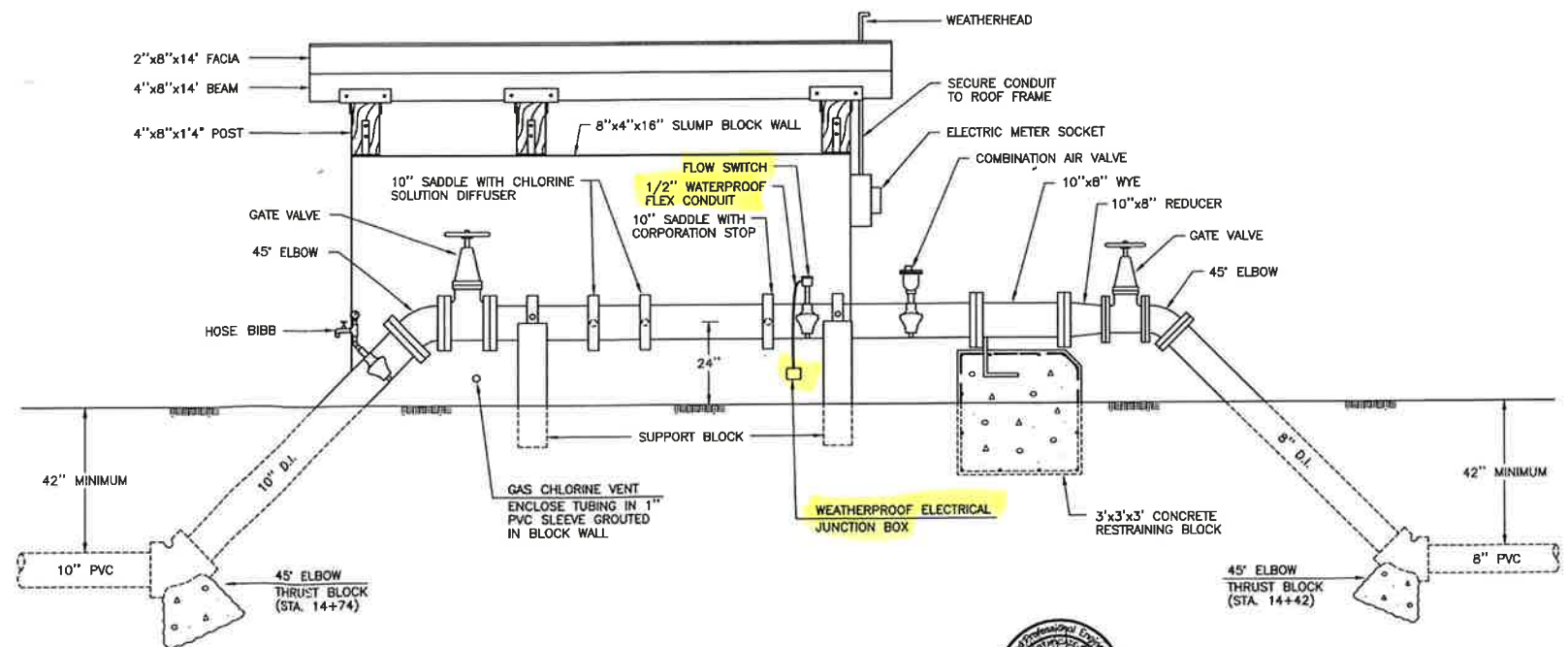
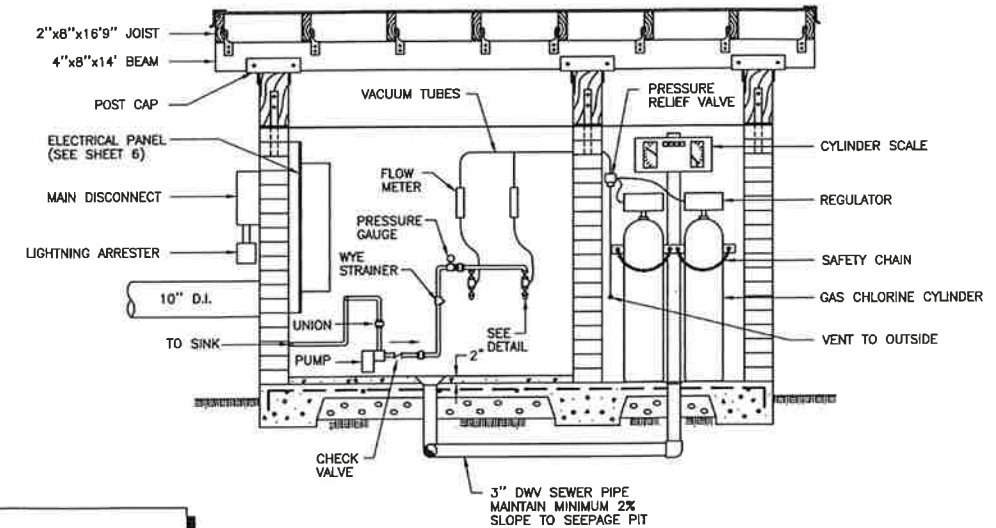
East and West Well Sites



From East Well



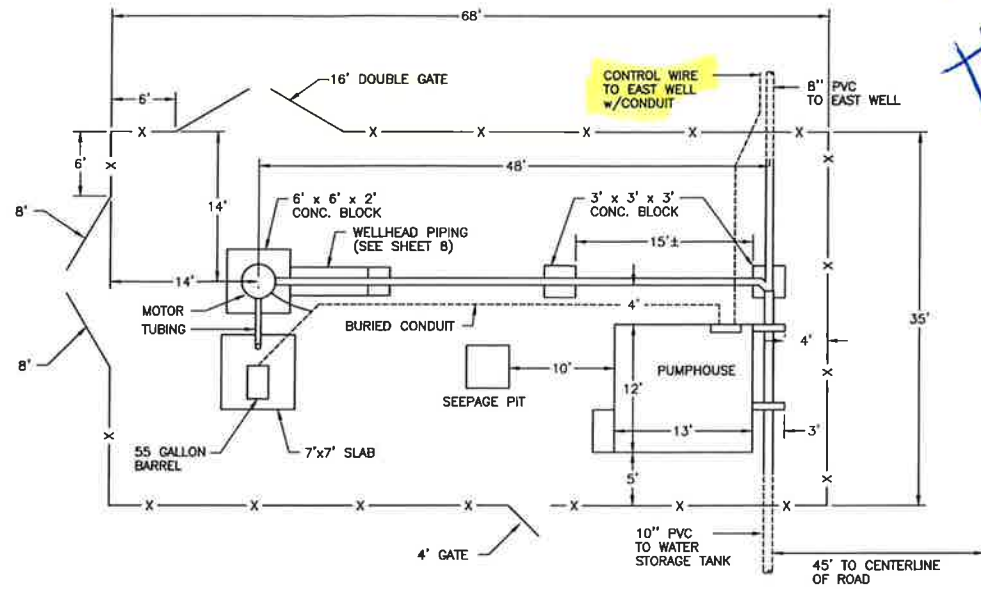
NOTES:
CHLORINE SOLUTION PIPING SHALL BE SCHEDULE 80 PVC, MINIMUM 3/4".
PVC PIPE AND VACUUM TUBING IN BLOCK WALL SHALL BE SLEEVED IN PVC PIPE GROUTED IN WALL.
ALL ABOVE GROUND WATER MAIN PIPING AND FITTINGS SHALL BE DUCTILE IRON, CLASS 350. ALL FITTINGS SHALL BE FLANGED. FLANGES FOR DUCTILE IRON PIPE MAY BE FIELD INSTALLED.



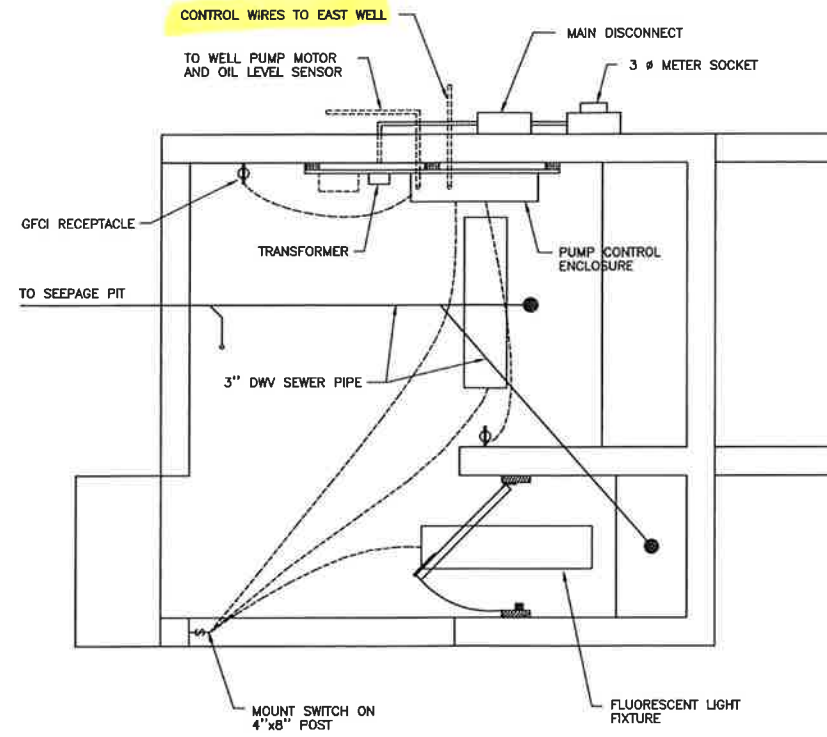
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1 9-96 M.J. AS-BUILT REVISION		INDIAN HEALTH SERVICE PHOENIX AREA OFFICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING								PROJECT NO. PH 93-750 DRAWING NO. 95-R01		DRAWING NO. 295-09	



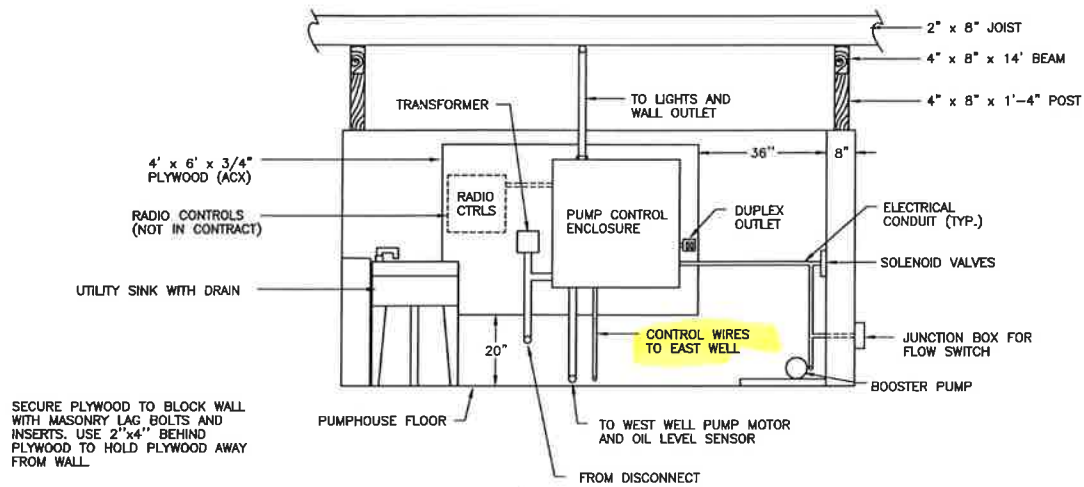
NOTE: ENGINEER WILL STAKE LOCATIONS OF FENCE CORNERS.



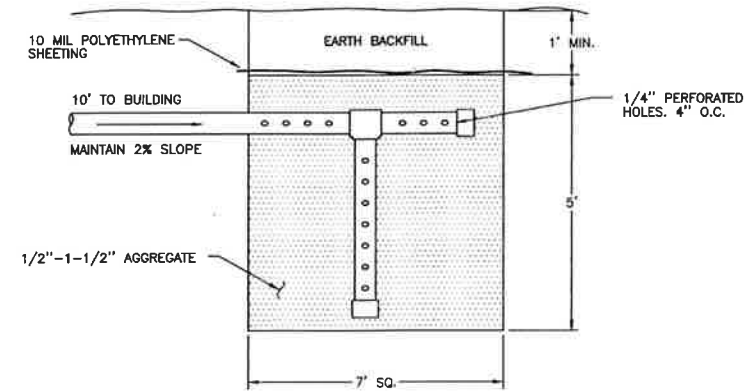
WEST WELL SITE PLAN
SCALE: 1/8" = 1'0"



ELECTRICAL & PLUMBING
SCALE: 1/2" = 1'0"



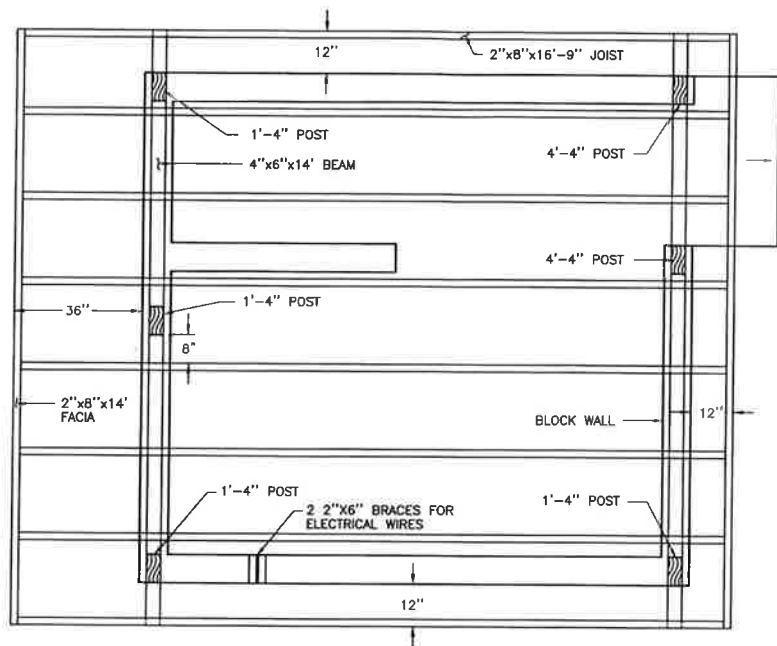
ELECTRICAL PANEL DETAIL
ELEVATION VIEW
SCALE: 1/2" = 1'-0"



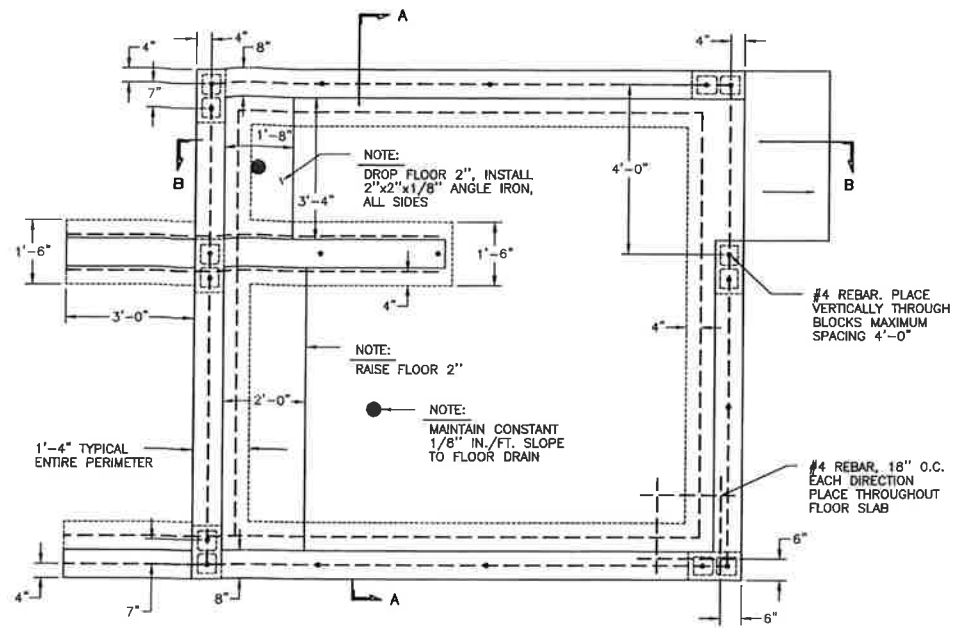
SEEPAGE PIT
N.T.S.



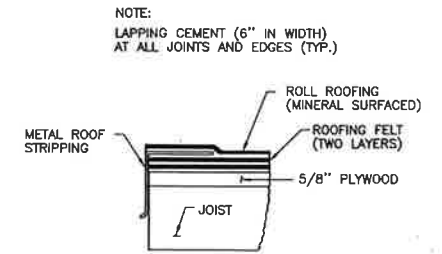
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INDIAN HEALTH SERVICE PHOENIX AREA OFFICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING										PROJECT NO. PH 93-750 95-R01		DRAWING NO. 295-09	



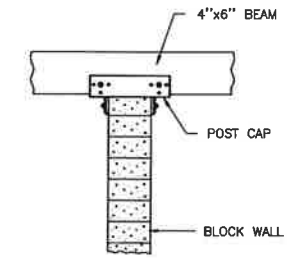
ROOF PLAN
SCALE: 1/2" = 1'0"



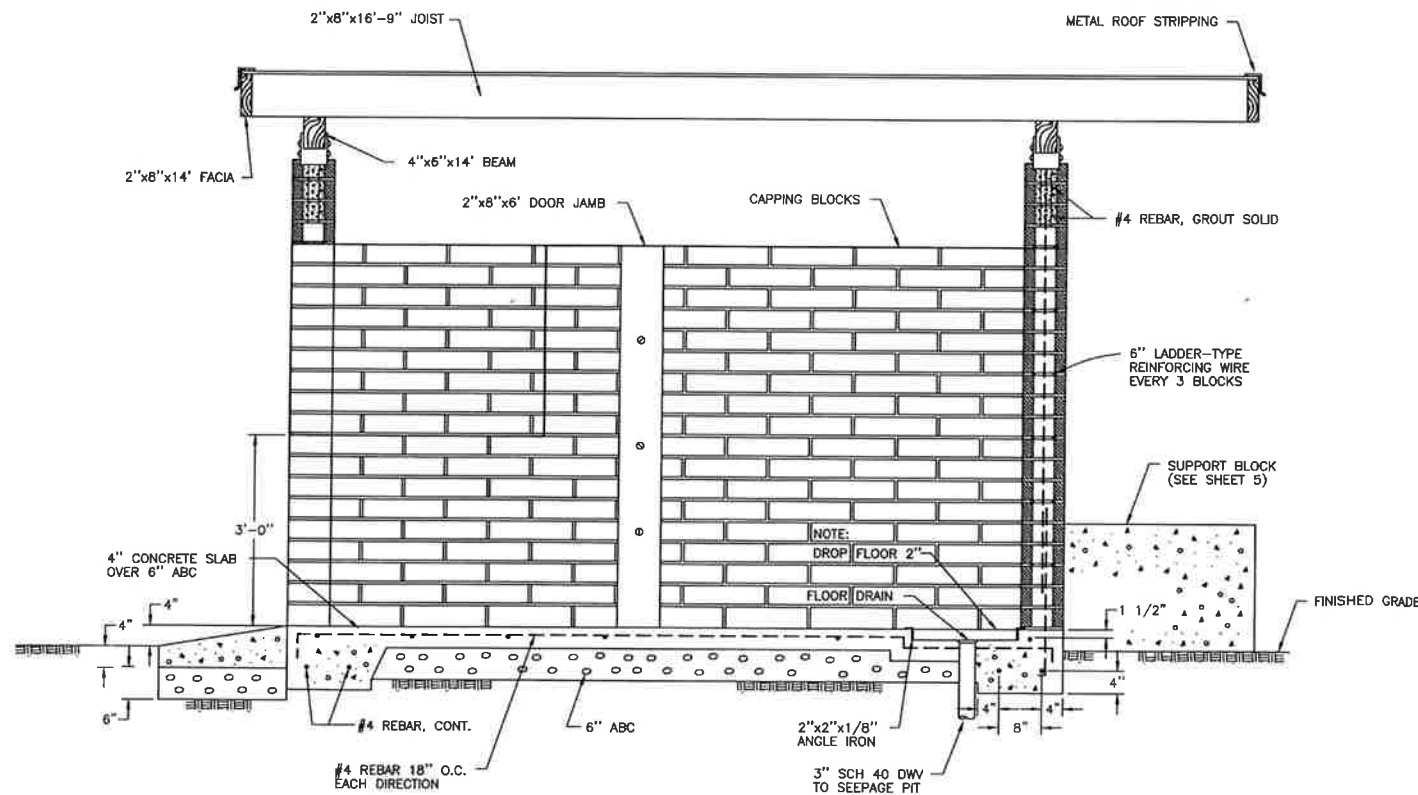
FOUNDATION PLAN
SCALE: 1/2" = 1'0"



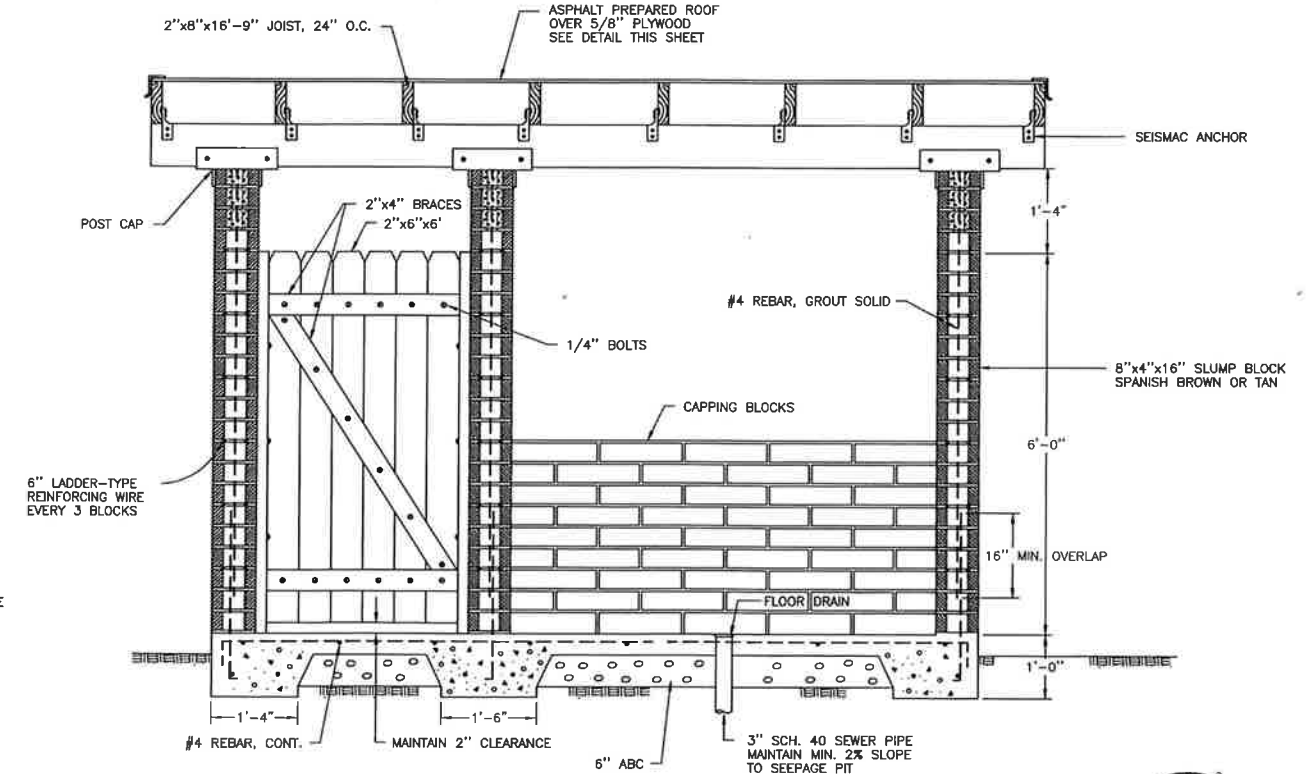
ASPHALT PREPARED ROOF
N.T.S.



4"x6" POST DETAIL
N.T.S.



SECTION B-B
ELEVATION VIEW
N.T.S.



SECTION A-A
ELEVATION VIEW
N.T.S.

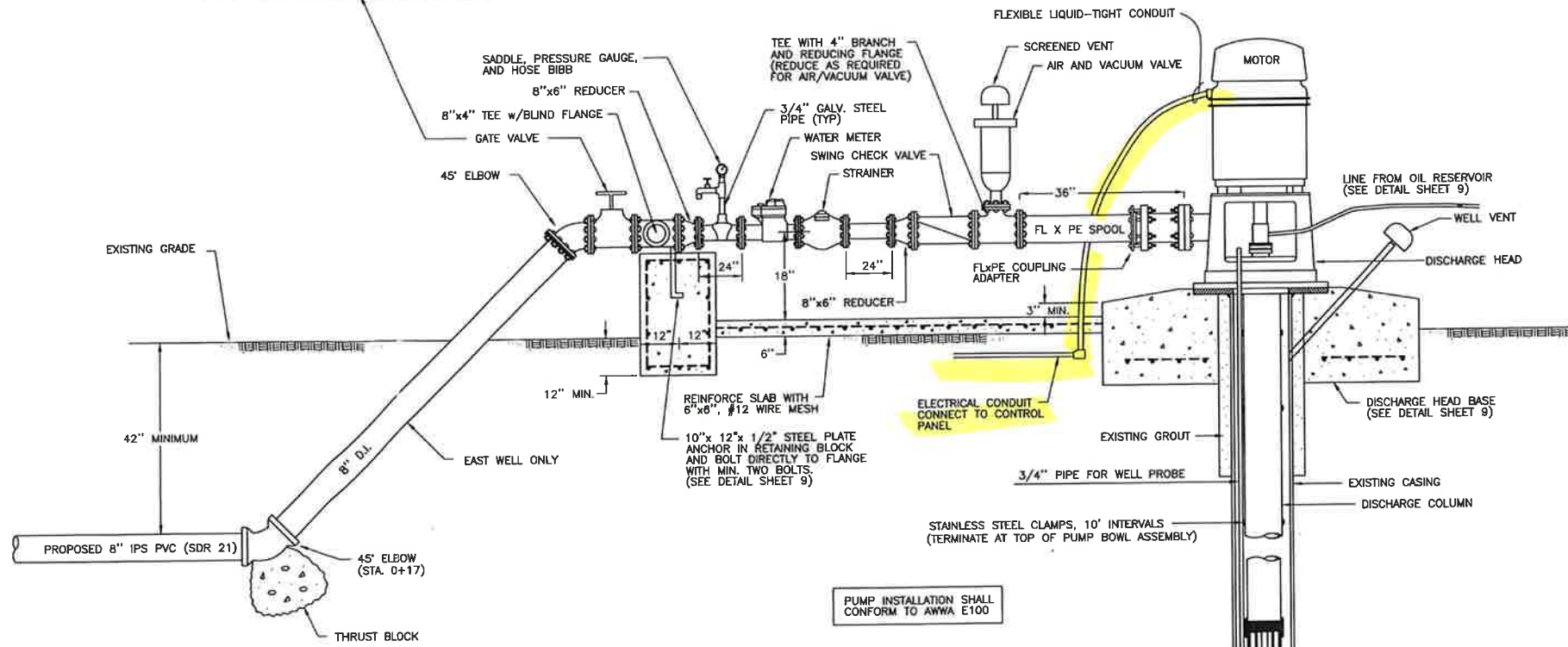


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NO.	REV.	DATE	BY	DESCRIPTION	INDIAN HEALTH SERVICE PHOENIX AREA OFFICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING	PROJECT NO. PH 93-750 95-R01	DRAWING NO. 295-09							

NOTES:

1. ALL CONCRETE BLOCKS USED FOR PIPE SUPPORT AND RESTRAINT SHALL BE REINFORCED WITH #4 REBAR, 12" ON CENTER, EACH WAY. MAINTAIN 2" COVER AT ALL TIMES.
2. ALL ABOVE GROUND WATER MAIN PIPING AND FITTINGS SHALL BE DUCTILE IRON, CLASS 350, ALL FITTINGS SHALL BE FLANGED. FLANGES FOR DUCTILE IRON PIPE MAY BE FIELD INSTALLED.

NOTE:
PIPING AT WEST WELL CONTINUES STRAIGHT FROM GATE VALVE, CONNECTING TO 45° ELBOW (SEE SITE PLAN, SHEET 6)



WELLHEAD PIPING INFORMATION	WEST WELL	EAST WELL
METER AND STRAINER (INCHES)	6	6
FITTINGS AND VALVE (INCHES)	8	8

INFORMATION SHOWN IN THE TABLE BELOW SHALL BE PLACED ON THE WELL INFORMATION NAMEPLATE. SEE SPECIFICATIONS.

WELL INFORMATION	WEST WELL	EAST WELL
WELL CONSTRUCTION DATA		
REFERENCE DATUM: TOP OF CASING	0	0
BOTTOM OF GROUT (FT)	175	165
SCREEN BEGINS (FT)	200/290	180
SCREEN ENDS (FT)	260/350	300
BOTTOM OF WELL (FT)	370	310
EXISTING CASING DIAMETER (INCHES)	12	12
TEST PUMP INFORMATION		
DATE	3/95	3/95
STATIC WATER LEVEL (FT)	154	141
PUMPING RATE (GPM)	550	570
DRAWDOWN (FT)	84	48
OTHER INFORMATION		
TANK OVERFLOW ELEVATION (USGS ELEV.)	624	624
WELLHEAD ELEVATION (USGS ELEV.)	600	585

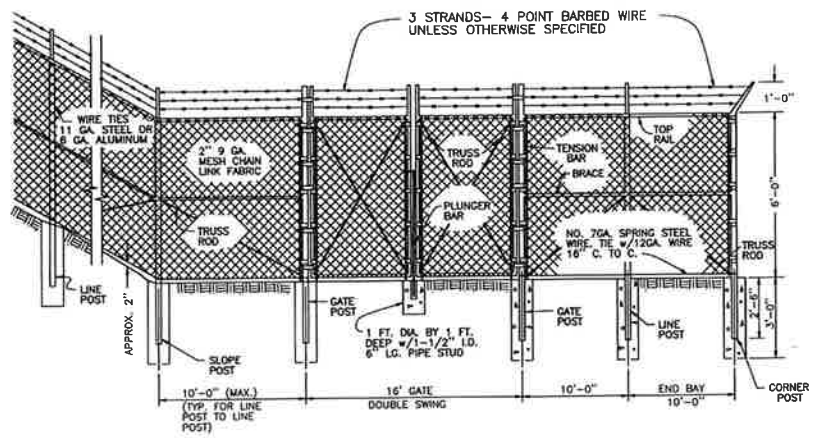
WELLHEAD DETAIL
N.T.S.

WELL PUMP INSTALLATION
N.T.S.

PUMP INSTALLATION SHALL CONFORM TO AWWA E100



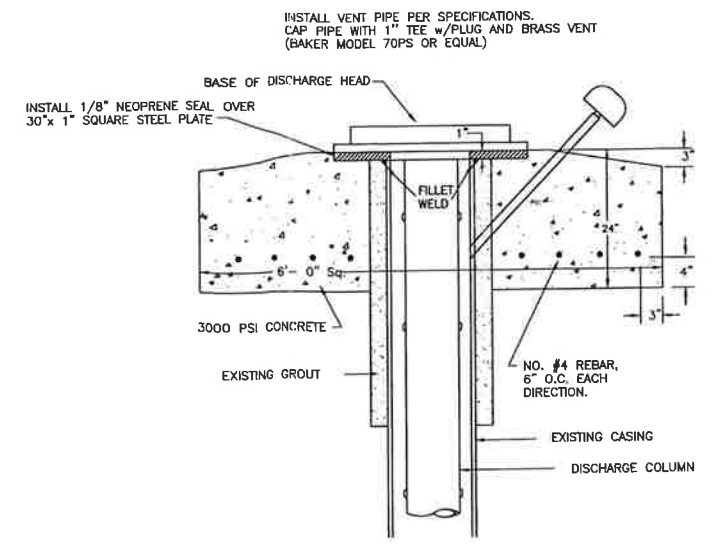
NO.	DATE	APPR.	DESCRIPTION	DRAWN BY: C.S.	CHECKED BY: M.R.Y.	DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE INDIAN HEALTH SERVICE	LOCATION: CHEMEHUEVI INDIAN RESERVATION SAN BERNARDINO COUNTY, CALIFORNIA	TITLE: AS-BUILT PUMP AND WELLHEAD DETAIL	DISTRICT: WESTERN ARIZONA	SHEET NO. 8 of 10 TOTAL SHTS
				DATE: 09-95	DATE: 09-95				PROJECT NO. PH 93-750 95-R01	DRAWING NO. 295-09



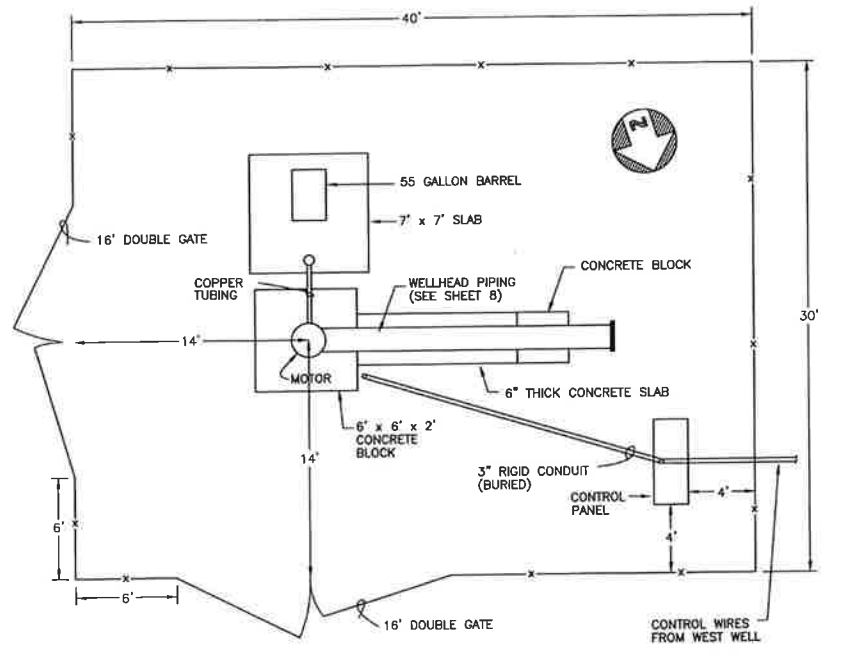
MEMBER	SIZE	WT. PER L.F.	
		GRADE A	GRADE B
LINE POST	2.375" OUTSIDE DIAMETER	3.65	3.12
END POST	2.875" OUTSIDE DIAMETER	5.79	4.64
CORNER POST	"	"	"
SLOPE POST	"	"	"
TENSION BAR	3/16" x 3/4" FLAT	N/A	N/A
GATE POST	4" OUTSIDE DIAMETER	9.11	6.56
TOP RAIL	1.66" OUTSIDE DIAMETER	2.27	1.84
BRACE	"	"	"

CHAIN-LINK FENCE DETAIL
N.T.S.

NOTES:
ALL BARBED WIRE CONNECTION TO TUBULAR POSTS TO BE MADE w/ GALV. BANDS BOLTED AROUND POSTS.
ALL CONCRETE SHALL BE 3000 P.S.I., CLASS B.
ALL PIPE POSTS SHALL BE CAPPED.

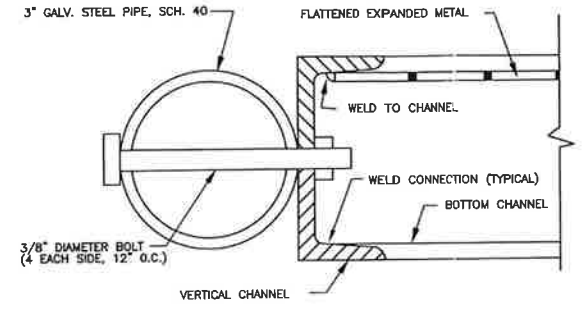


DISCHARGE HEAD BASE DETAIL
N.T.S.

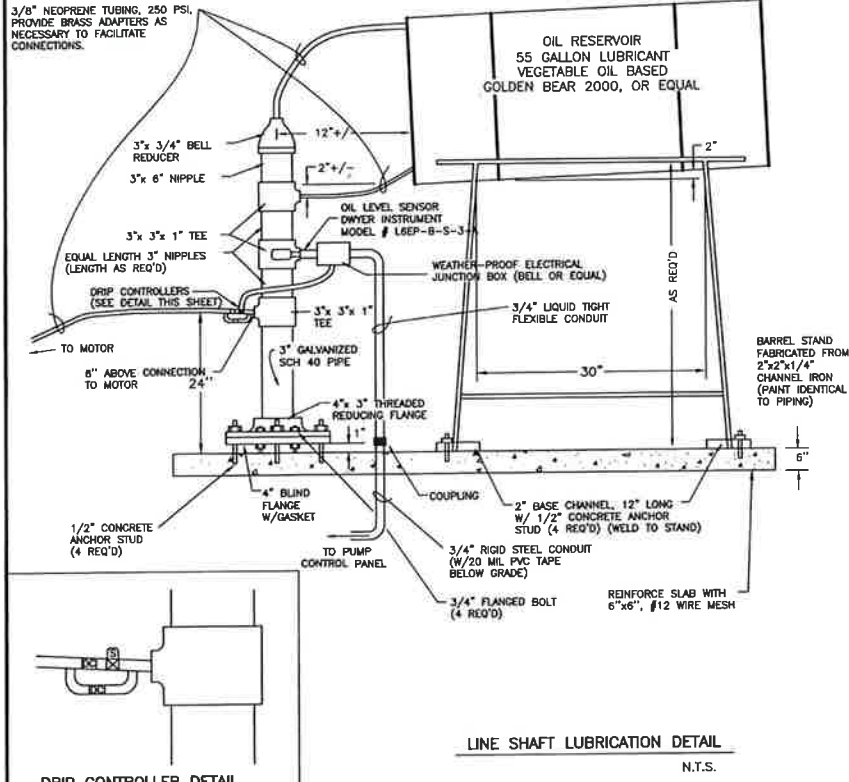


NOTE: ENGINEER WILL STAKE LOCATIONS OF FENCE CORNERS.

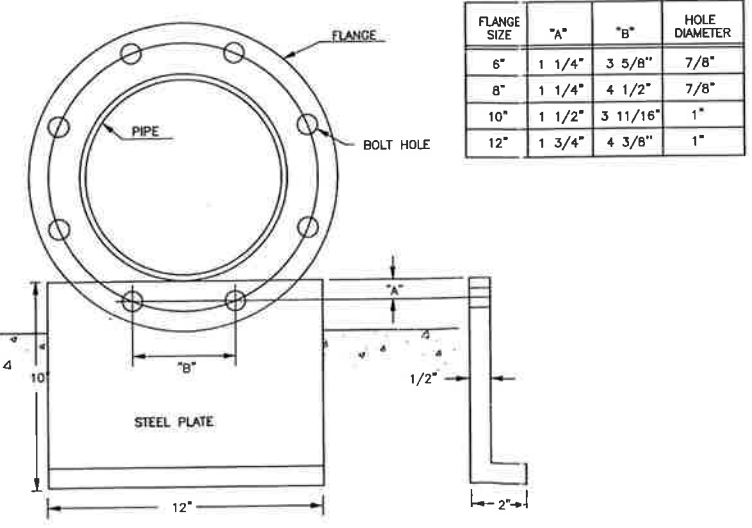
EAST WELL SITE PLAN
SCALE: 1"=50'



FRAME AND POST DETAIL
N.T.S.

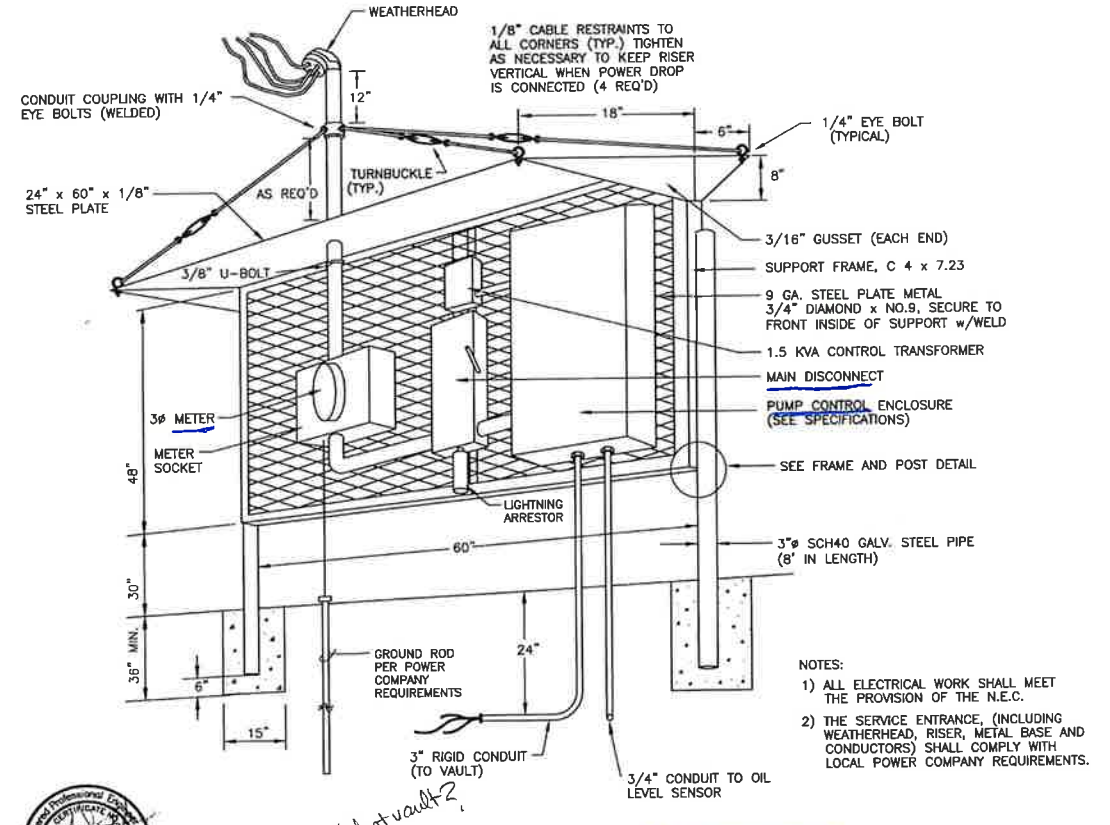


LINE SHAFT LUBRICATION DETAIL
N.T.S.



STEEL PLATE DETAIL
N.T.S.

FLANGE SIZE	"A"	"B"	HOLE DIAMETER
6"	1 1/4"	3 5/8"	7/8"
8"	1 1/4"	4 1/2"	7/8"
10"	1 1/2"	3 11/16"	1"
12"	1 3/4"	4 3/8"	1"

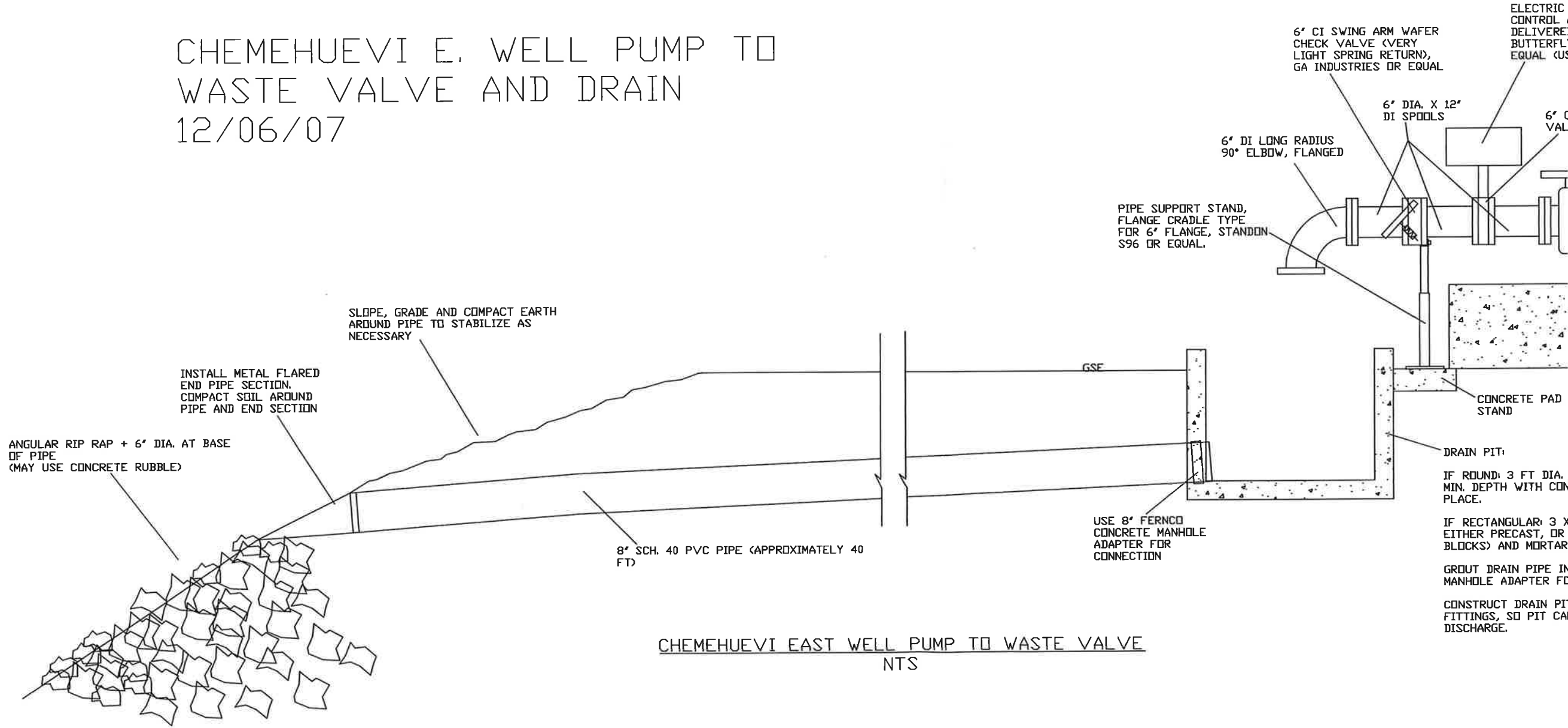


CONTROL PANEL DETAIL (EAST WELL)
N.T.S.

East Well Waste Valve and Drain

CHEMEHUEVI E. WELL PUMP TO WASTE VALVE AND DRAIN

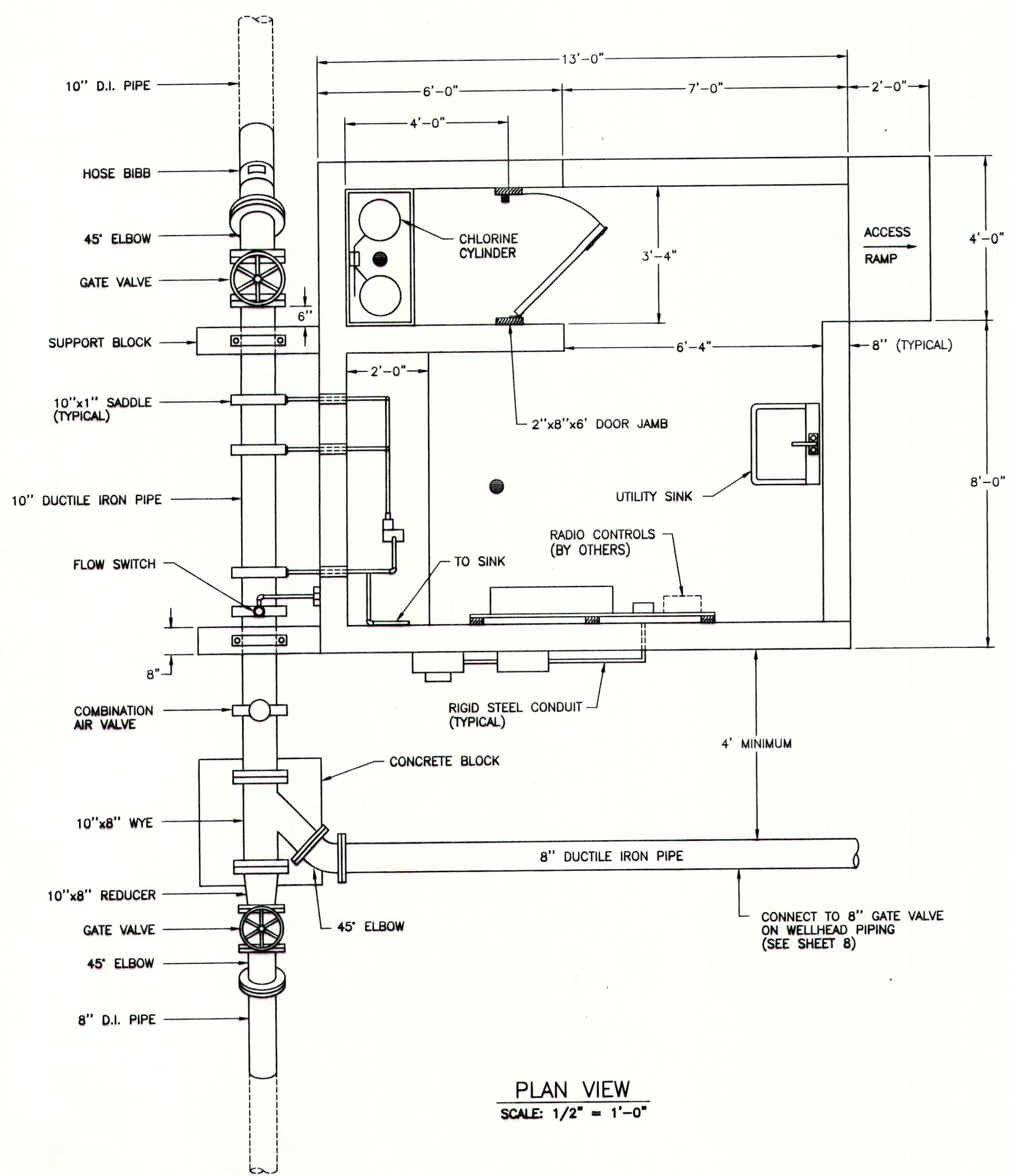
12/06/07



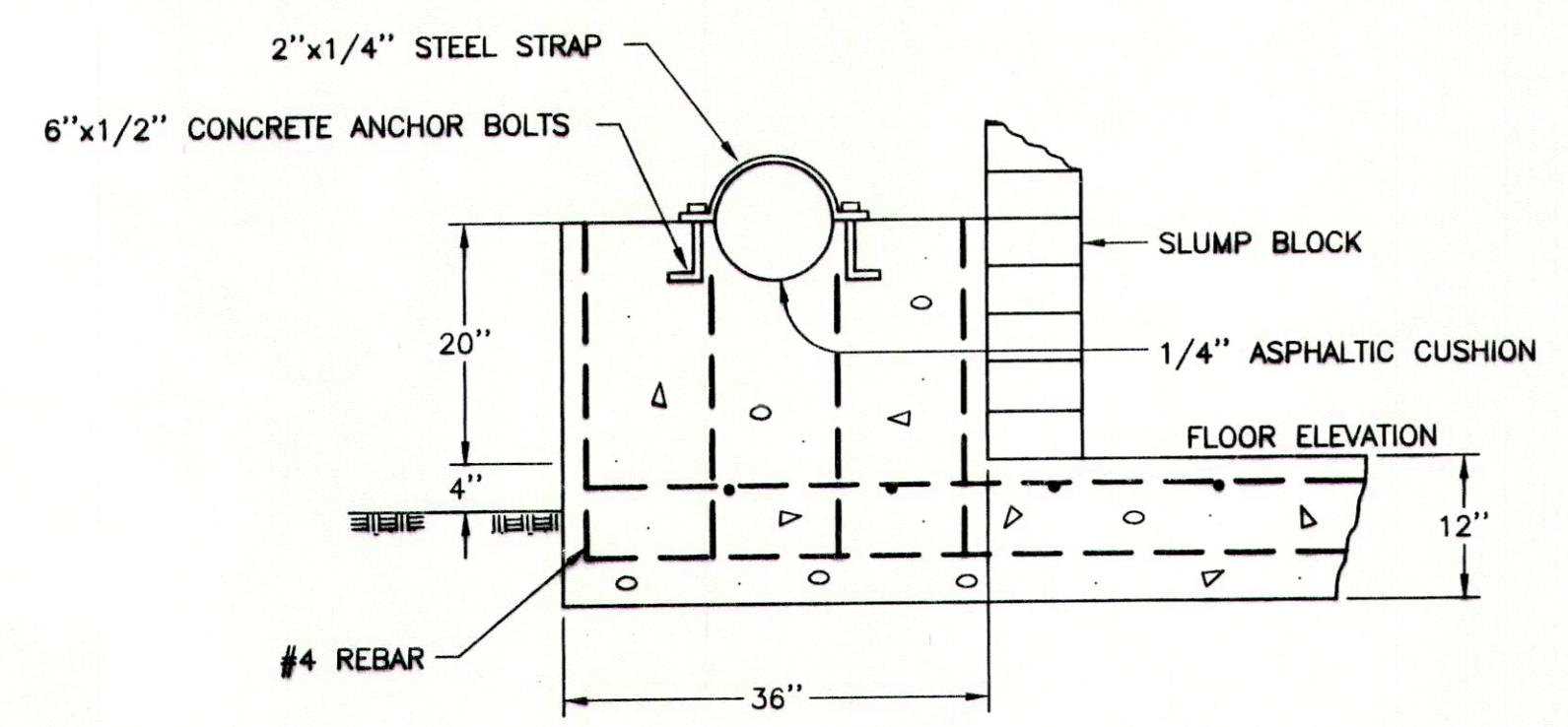
CHEMEHUEVI EAST WELL PUMP TO WASTE VALVE
NTS

Pumphouse - Piping and Plumbing

SAFECO PRODUCTS • NEW HOPE, MINNESOTA
 REORDER BY PART NUMBER 8003



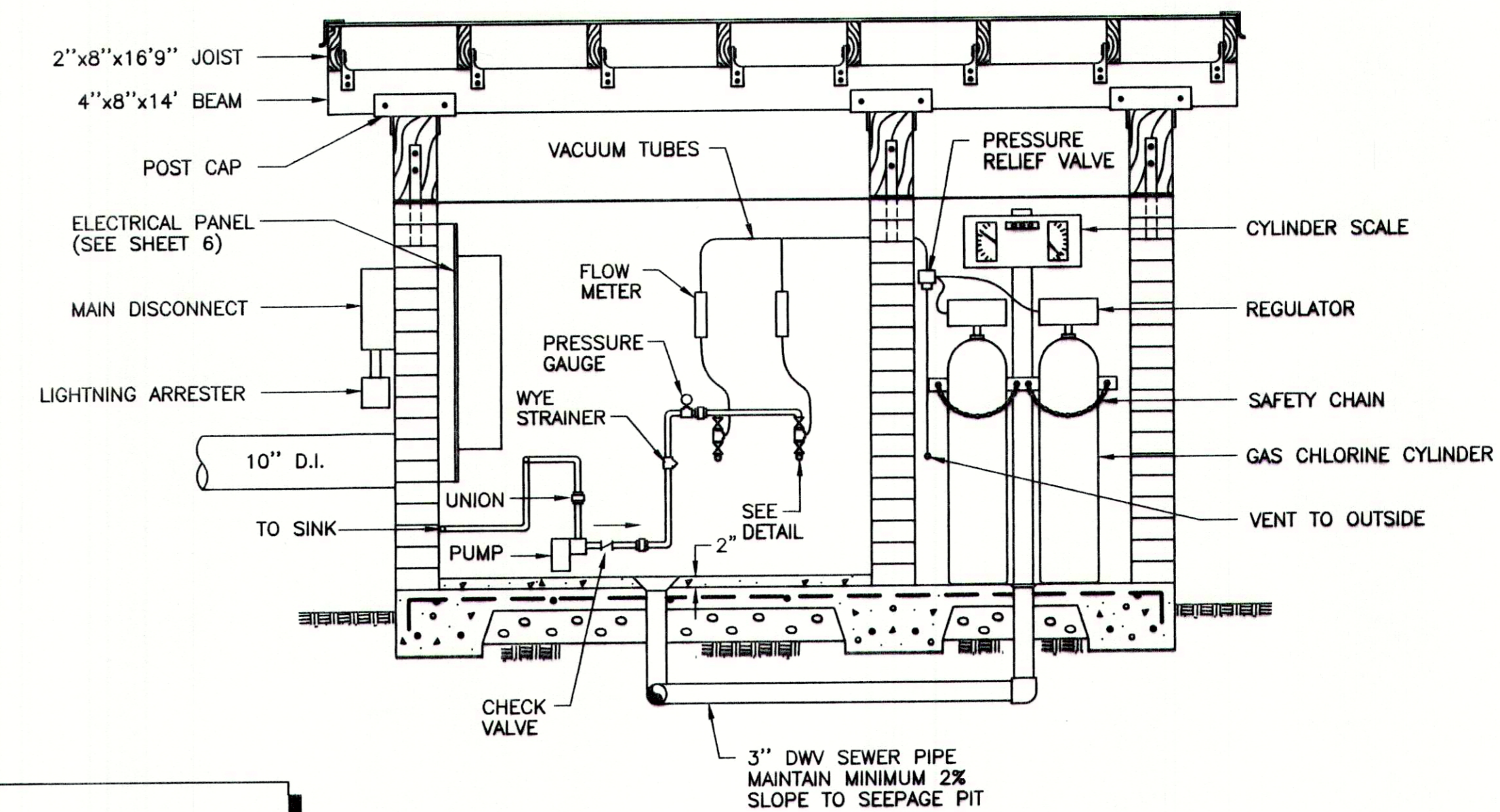
PLAN VIEW
 SCALE: 1/2" = 1'-0"



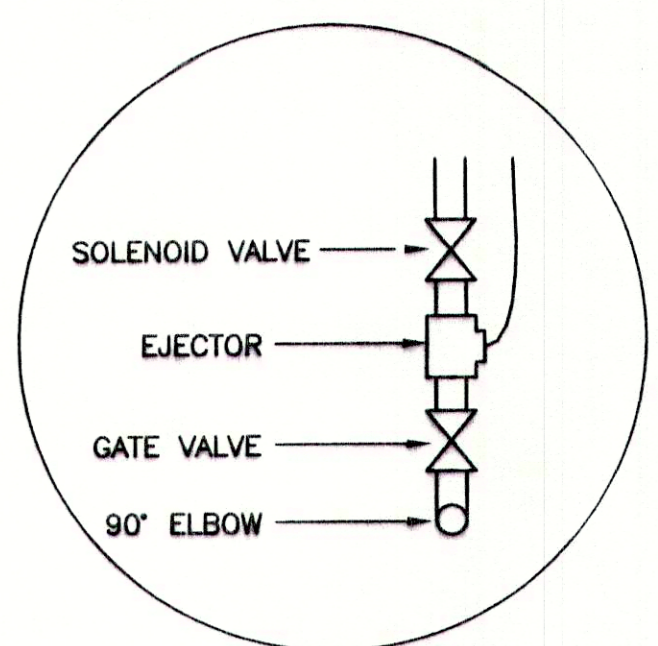
SUPPORT BLOCK DETAIL
 SCALE: 3/4" = 1'0"



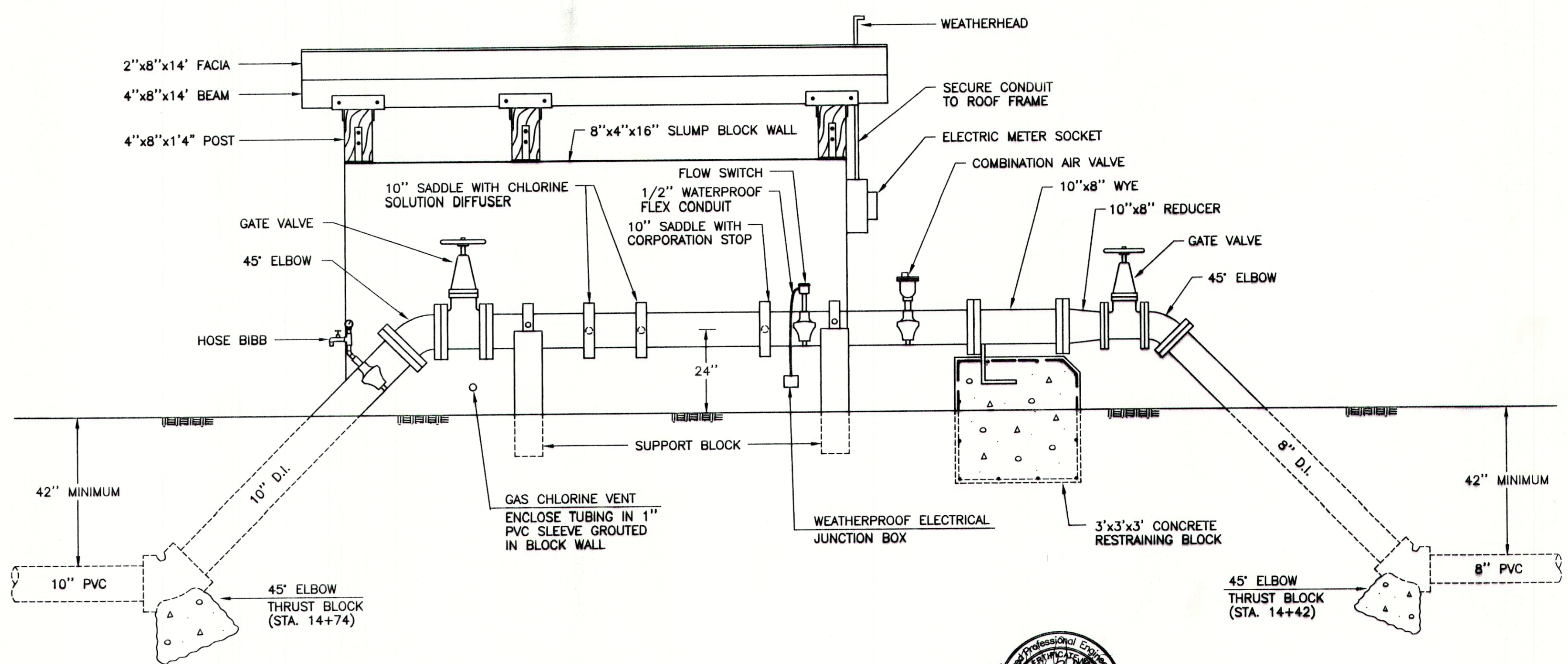
NOTES:
 CHLORINE SOLUTION PIPING SHALL BE SCHEDULE 80 PVC, MINIMUM 3/4".
 PVC PIPE AND VACUUM TUBING IN BLOCK WALL SHALL BE SLEEVED IN PVC PIPE GROUTED IN WALL.
 ALL ABOVE GROUND WATER MAIN PIPING AND FITTINGS SHALL BE DUCTILE IRON, CLASS 350. ALL FITTINGS SHALL BE FLANGED. FLANGES FOR DUCTILE IRON PIPE MAY BE FIELD INSTALLED.



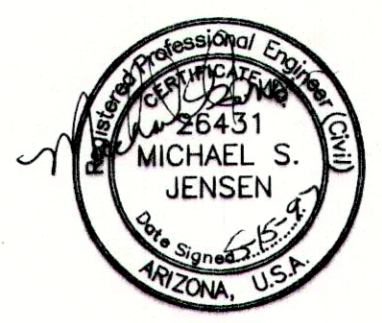
CHLORINATION EQUIPMENT
 SCALE: 1/2" = 1'0"



NOT TO SCALE



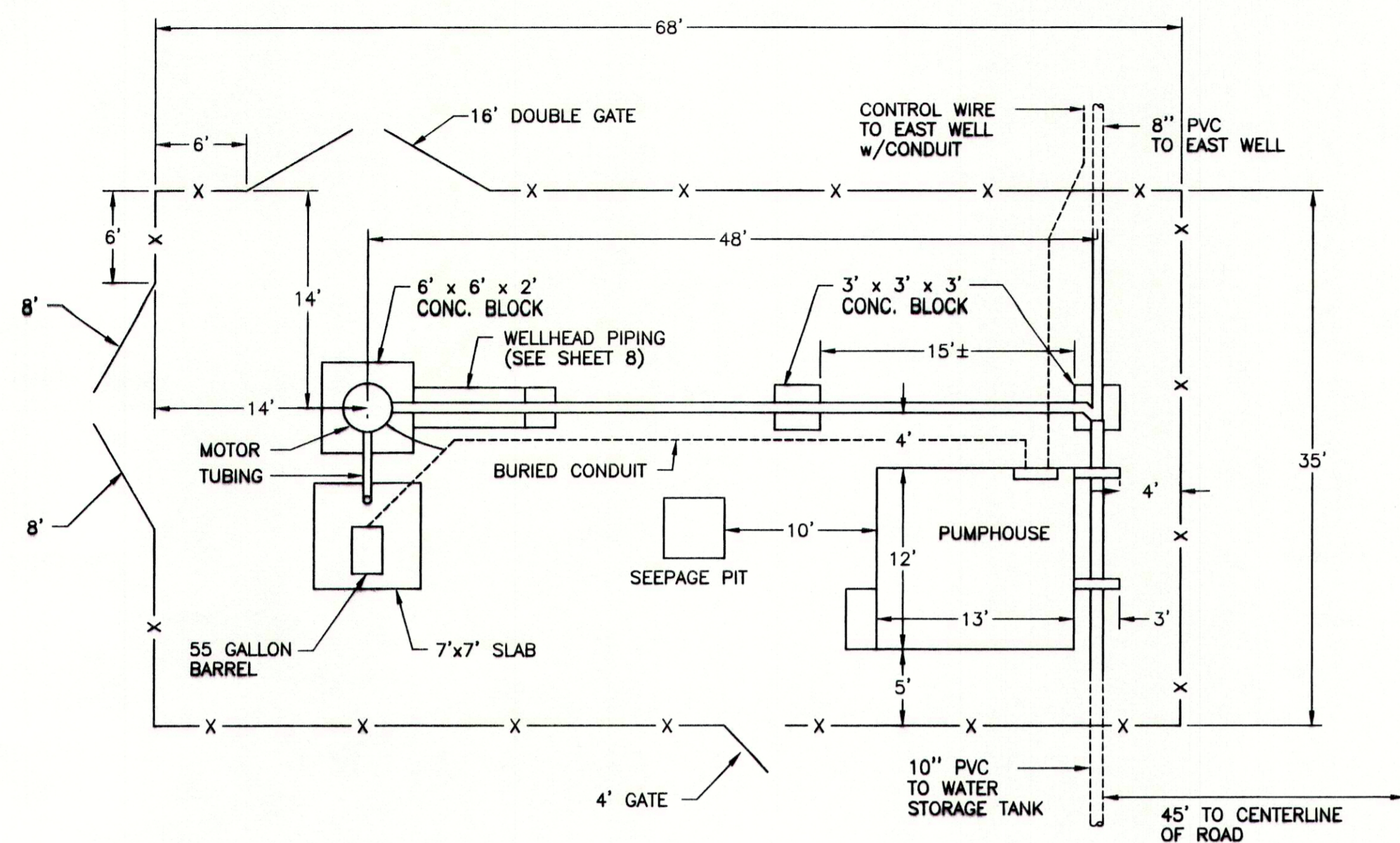
REAR VIEW
 SCALE: 1/2" = 1'0"



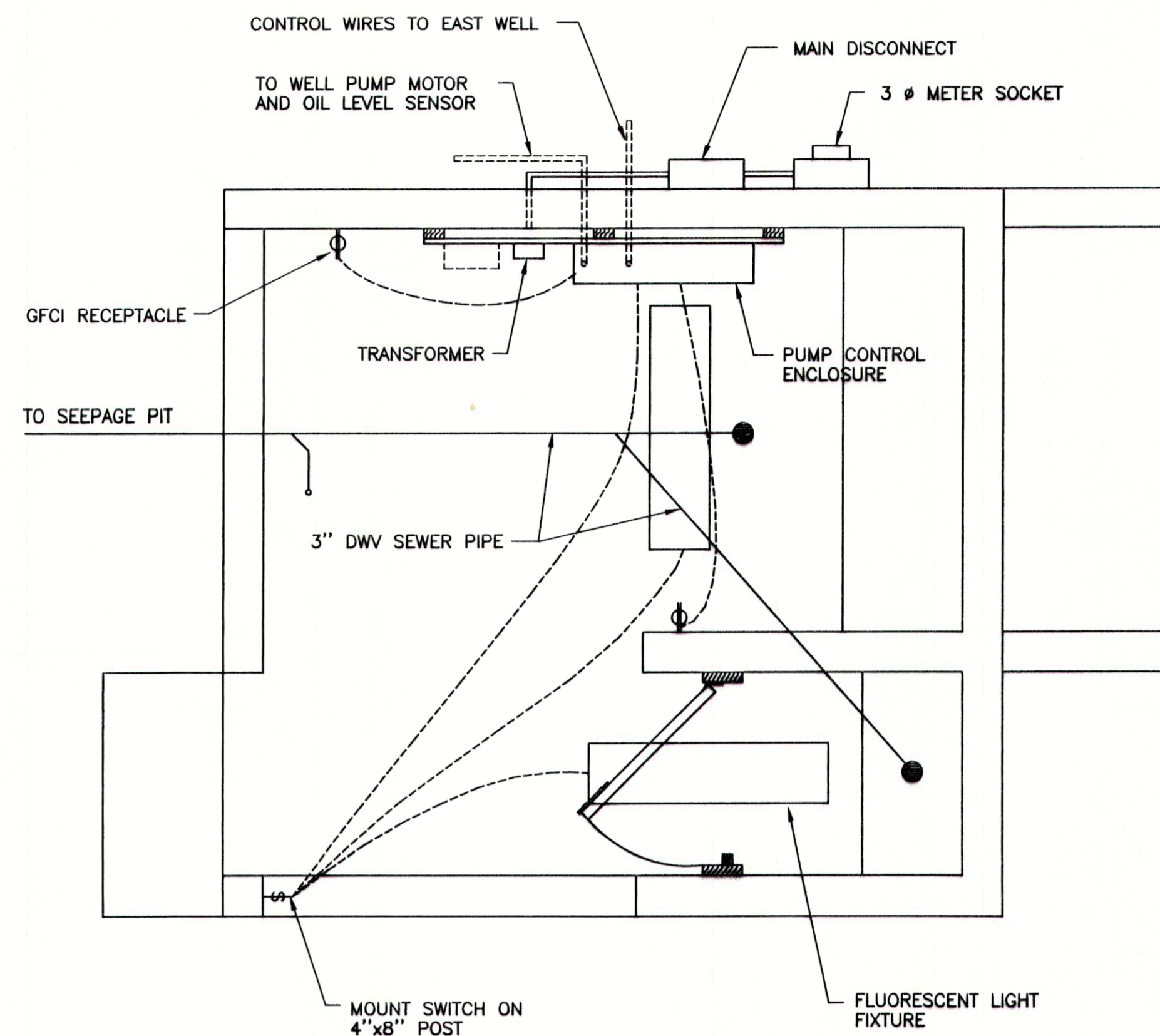
DRAWN BY: C.S.		CHECKED BY: M.R.Y.		DEPARTMENT OF HEALTH AND HUMAN SERVICES		LOCATION: CHEMEHUEVI INDIAN RESERVATION		TITLE: PUMPHOUSE: PIPING & PLUMBING		DISTRICT: WESTERN ARIZONA		SHEET NO. 5 OF 10 TOTAL SHTS	
DATE: 08-95		DATE: 08-95		PUBLIC HEALTH SERVICE		SAN BERNARDINO COUNTY, CALIFORNIA				PROJECT NO. PH 93-750		DRAWING NO. 295-09	
INDIAN HEALTH SERVICE PHOENIX AREA OFFICE		OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING											
NO.	REV.	APPR.	DESCRIPTION										
1	9-96	M.J.	AS-BUILT REVISION										



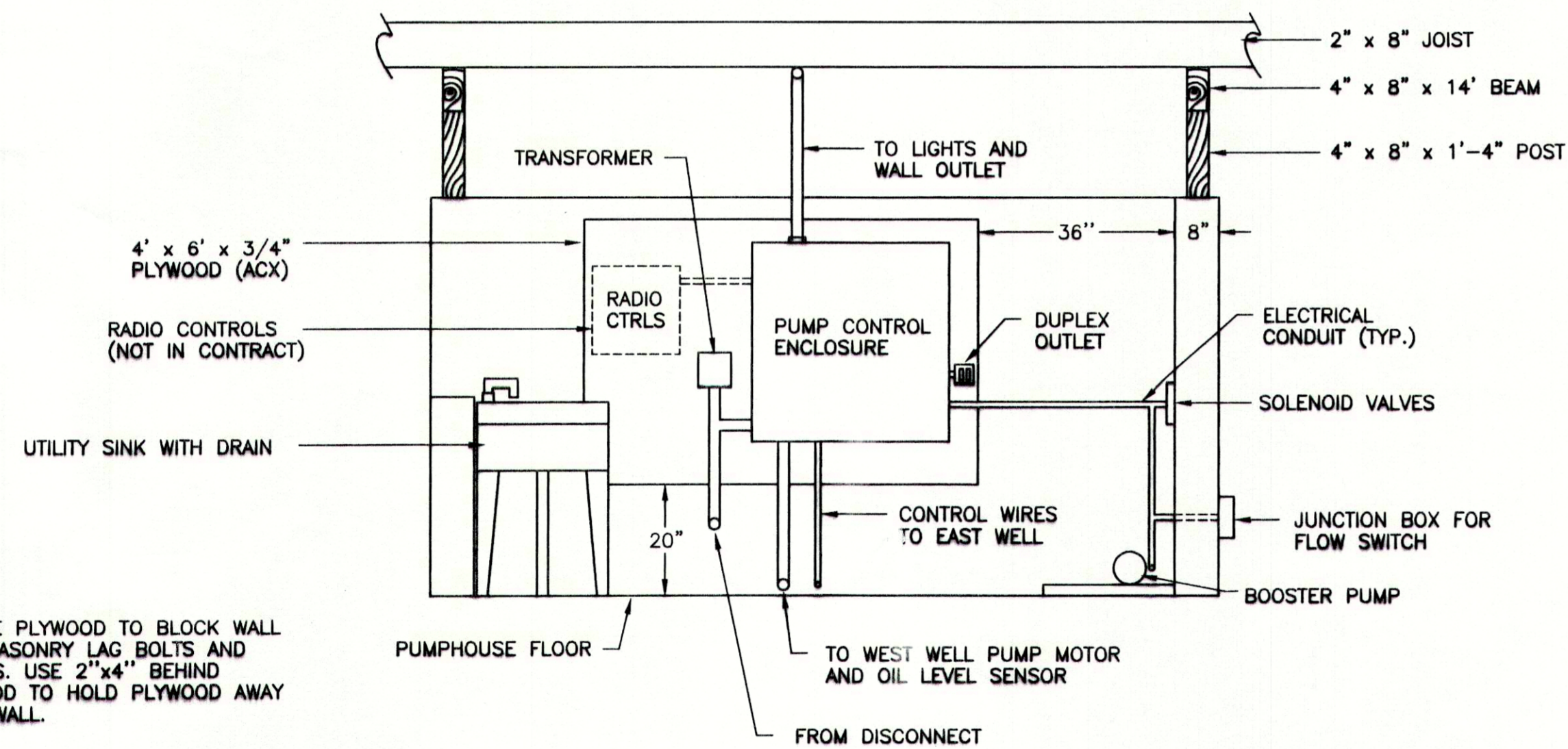
NOTE: ENGINEER WILL STAKE LOCATIONS OF FENCE CORNERS.



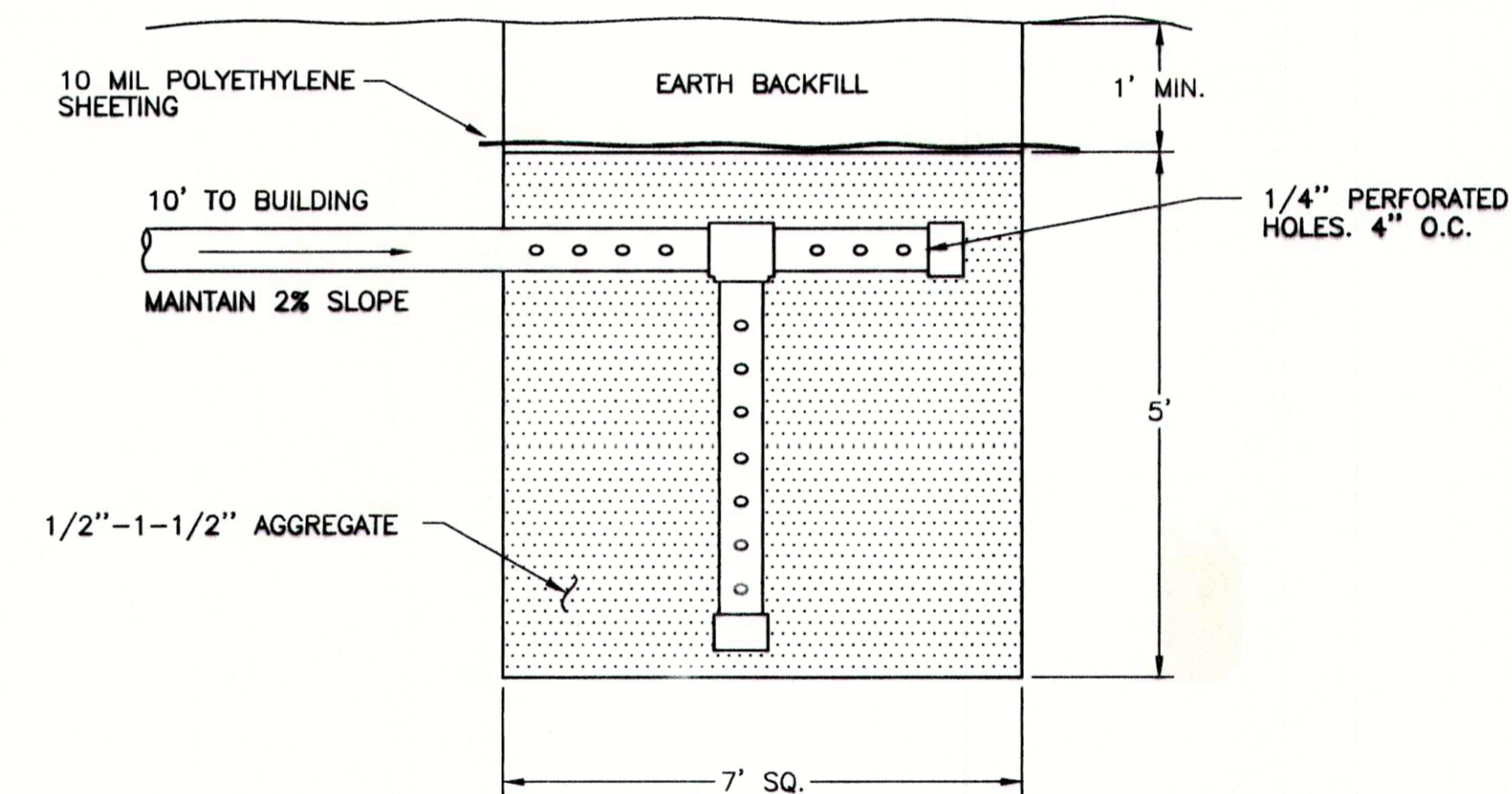
WEST WELL SITE PLAN
SCALE: 1/8" = 1'-0"



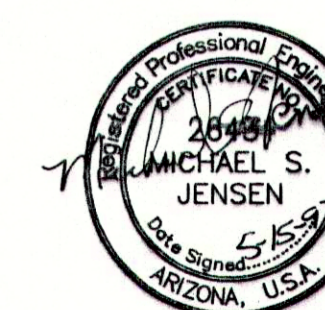
ELECTRICAL & PLUMBING
SCALE: 1/2" = 1'-0"



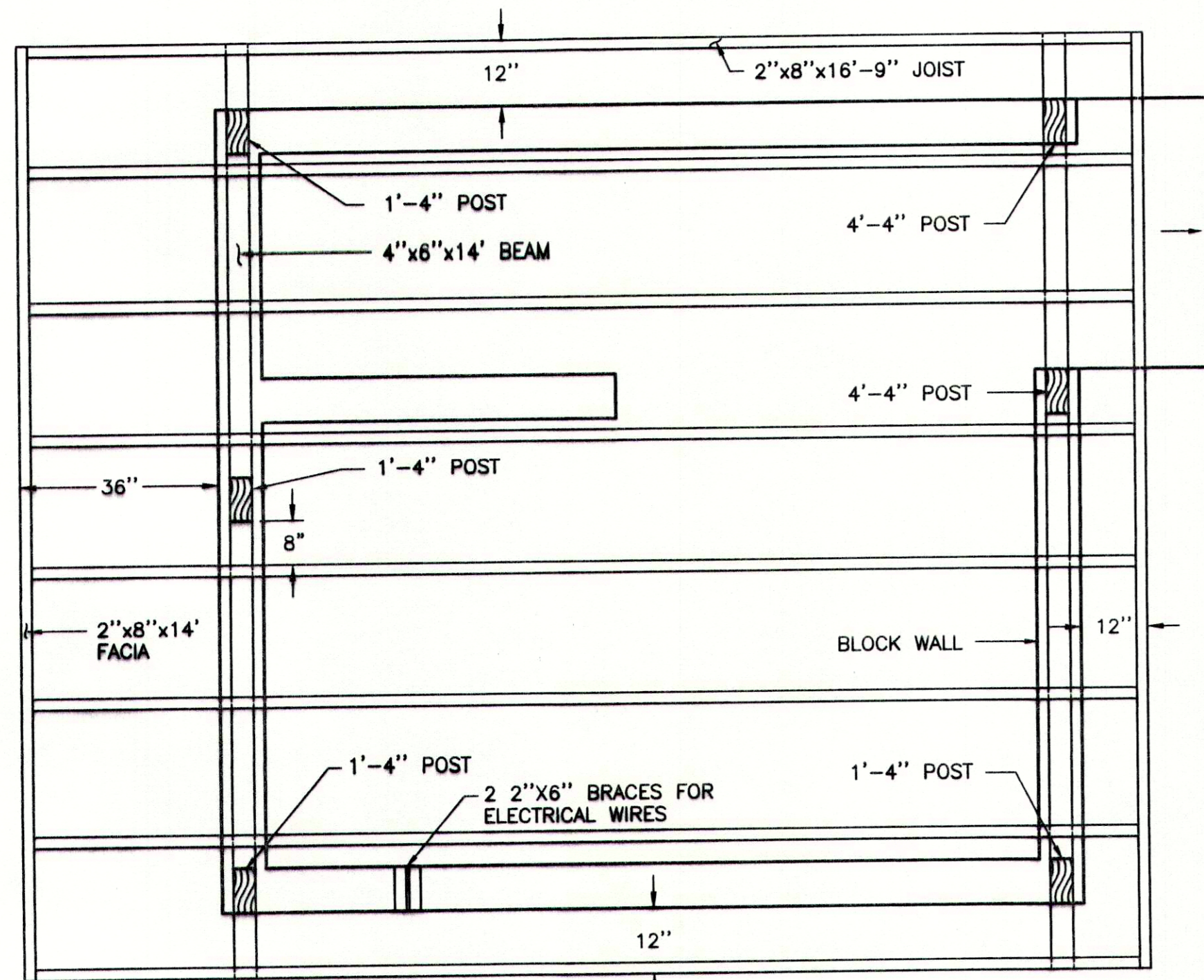
ELECTRICAL PANEL DETAIL
ELEVATION VIEW
SCALE: 1/2" = 1'-0"



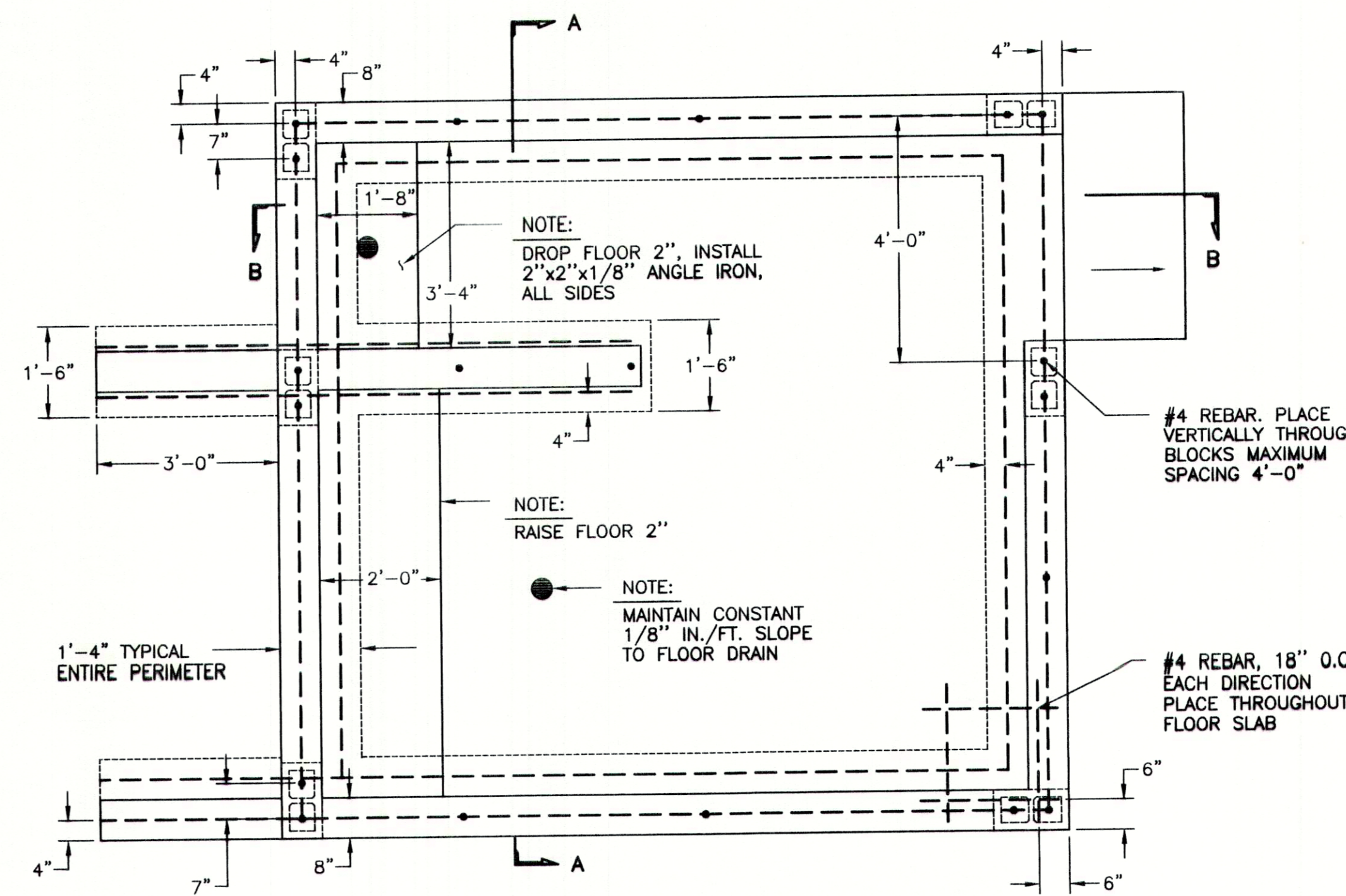
SEEPAGE PIT
N.T.S.



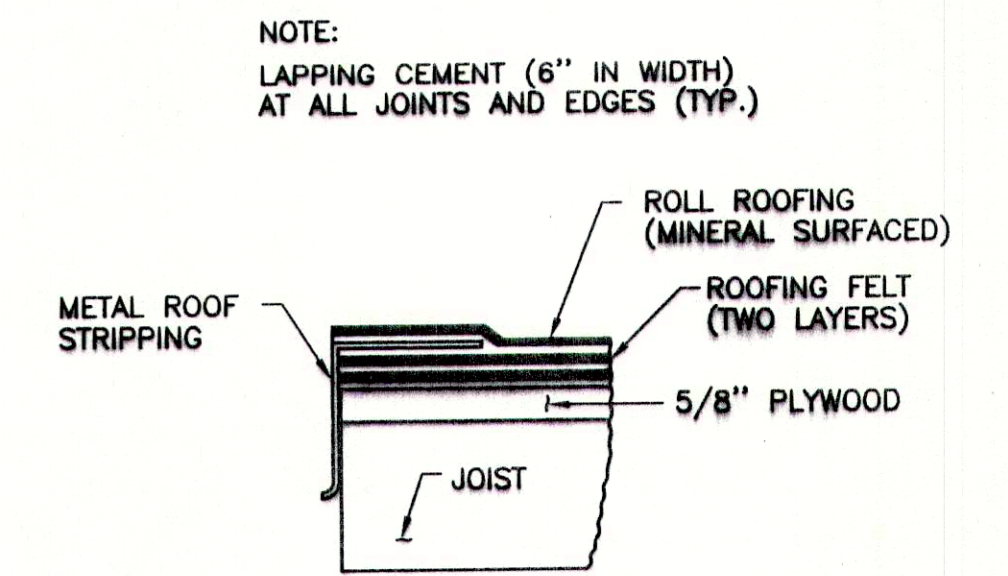
NO.	1	9-96	M.J.	AS-BUILT REVISION	DESCRIPTION	DRAWN BY: C.S. DATE: 09-95	CHECKED BY: M.R.Y. DATE: 08-95	DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE INDIAN HEALTH SERVICE	LOCATION: CHEMEHUEVI INDIAN RESERVATION SAN BERNARDINO COUNTY, CALIFORNIA	TITLE: PUMPHOUSE MISCELLANEOUS DETAILS	DISTRICT: WESTERN ARIZONA	SHEET NO. 6 OF 10	TOTAL SHTS
											PROJECT NO. PH 93-750	DRAWING NO. 295-09	
											95-R01		



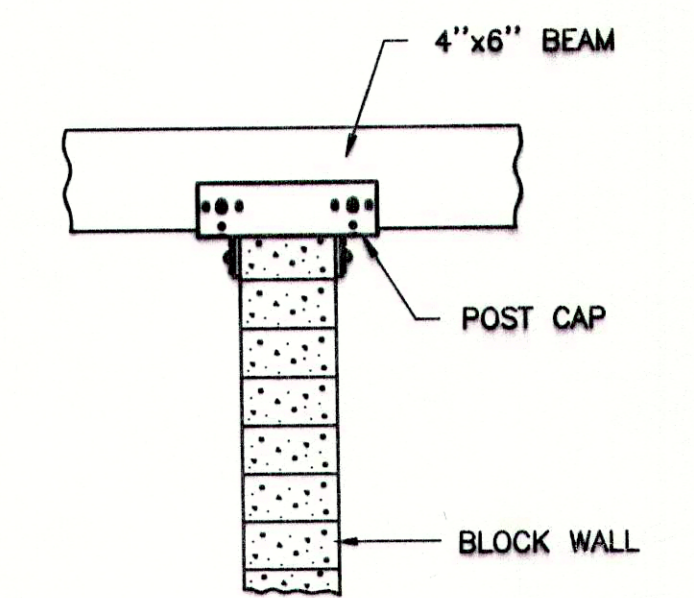
ROOF PLAN
SCALE: 1/2" = 1'0"



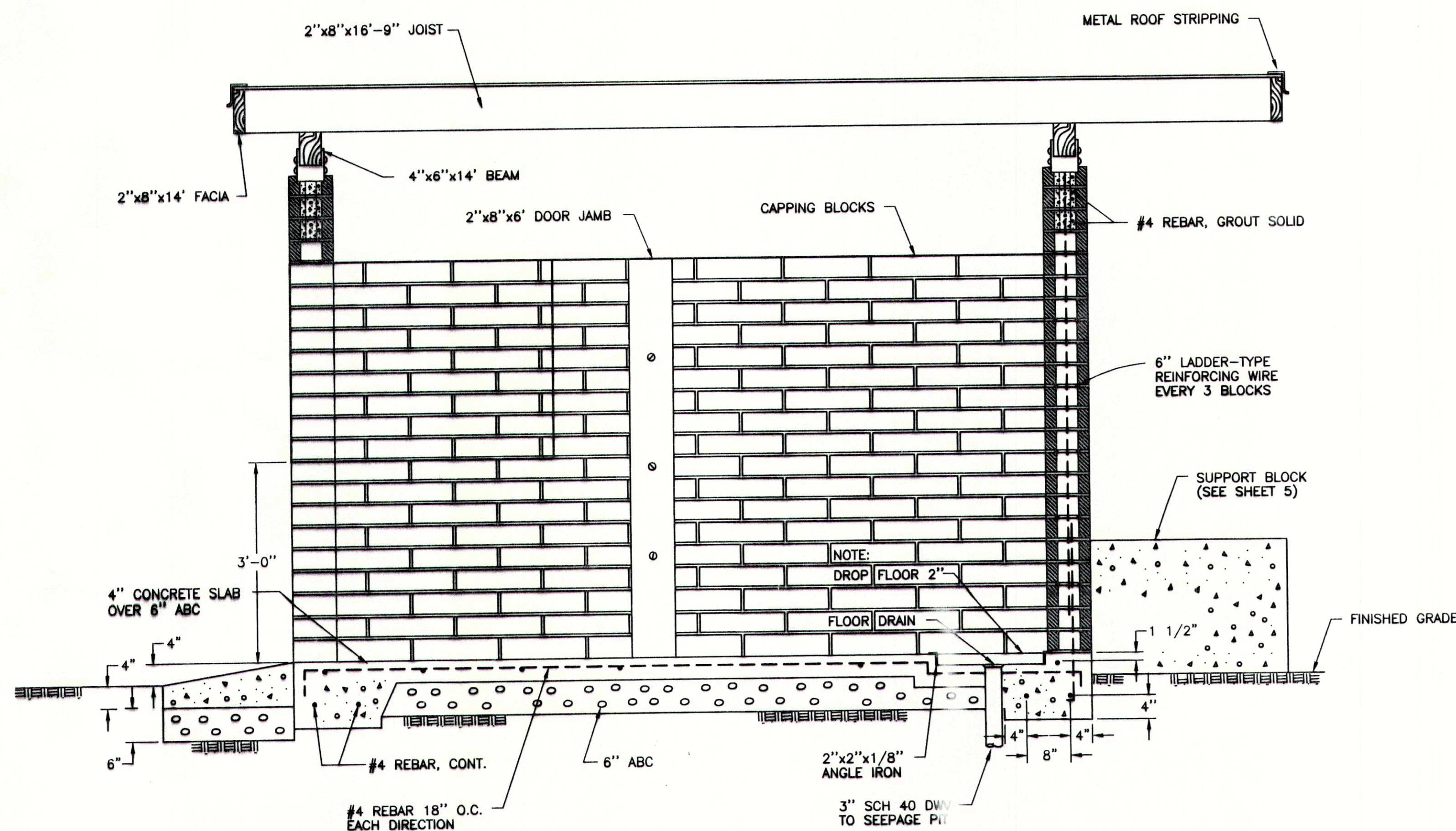
FOUNDATION PLAN
SCALE: 1/2" = 1'0"



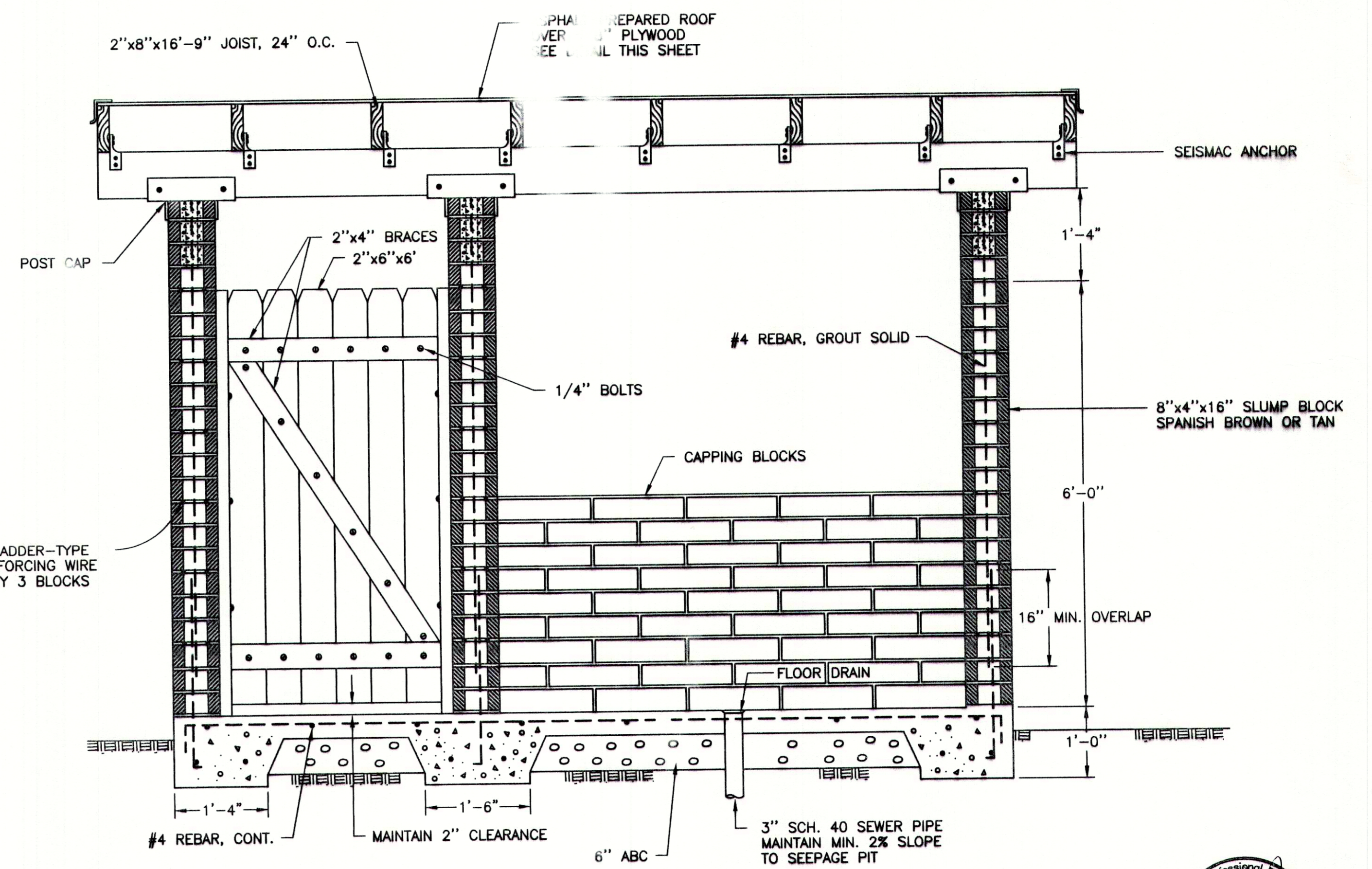
ASPHALT PREPARED ROOF
N.T.S.



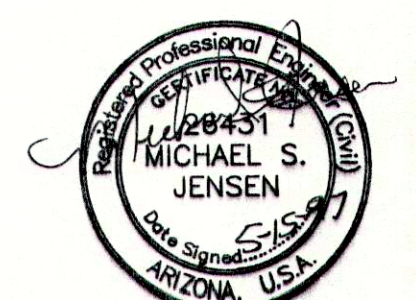
4"x6" POST DETAIL
N.T.S.



SECTION B-B
ELEVATION VIEW
N.T.S.



SECTION A-A
ELEVATION VIEW
N.T.S.

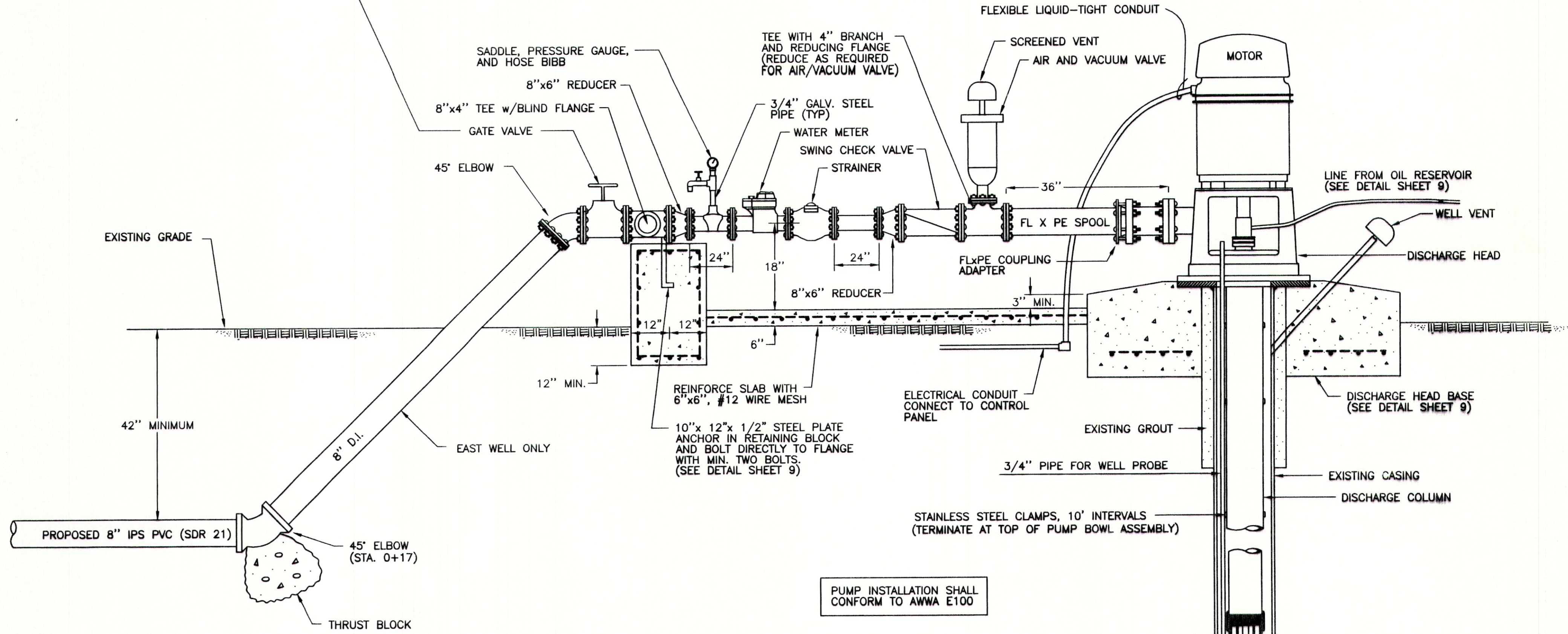


NO. 1	9-96	M.J.	AS-BUILT REVISION	INDIAN HEALTH SERVICE PHOENIX AREA OFFICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING	DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE INDIAN HEALTH SERVICE	LOCATION: CHEMEHUEVI INDIAN RESERVATION SAN BERNARDINO COUNTY, CALIFORNIA	TITLE: PUMPHOUSE STRUCTURAL DETAILS	DISTRICT: WESTERN ARIZONA	SHEET NO. 7 OF 10 TOTAL SHTS
	DATE:	09-95	CHECKED BY:	M.R.Y. DATE: 09-95				PROJECT NO. PH 93-750 95-R01	DRAWING NO. 295-09

NOTES:

1. ALL CONCRETE BLOCKS USED FOR PIPE SUPPORT AND RESTRAINT SHALL BE REINFORCED WITH #4 REBAR, 12" ON CENTER, EACH WAY. MAINTAIN 2" COVER AT ALL TIMES.
2. ALL ABOVE GROUND WATER MAIN PIPING AND FITTINGS SHALL BE DUCTILE IRON, CLASS 350. ALL FITTINGS SHALL BE FLANGED. FLANGES FOR DUCTILE IRON PIPE MAY BE FIELD INSTALLED.

NOTE:
PIPING AT WEST WELL CONTINUES STRAIGHT FROM GATE VALVE, CONNECTING TO 45° ELBOW (SEE SITE PLAN, SHEET 6)



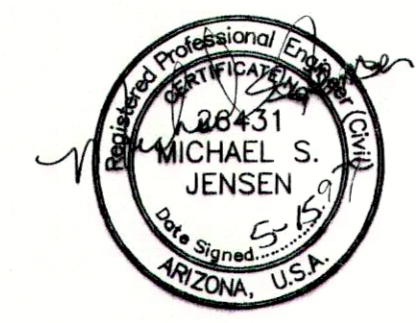
WELLHEAD PIPING INFORMATION	WEST WELL	EAST WELL
METER AND STRAINER (INCHES)	6	6
FITTINGS AND VALVE (INCHES)	8	8

INFORMATION SHOWN IN THE TABLE BELOW SHALL BE PLACED ON THE WELL INFORMATION NAMEPLATE. SEE SPECIFICATIONS.

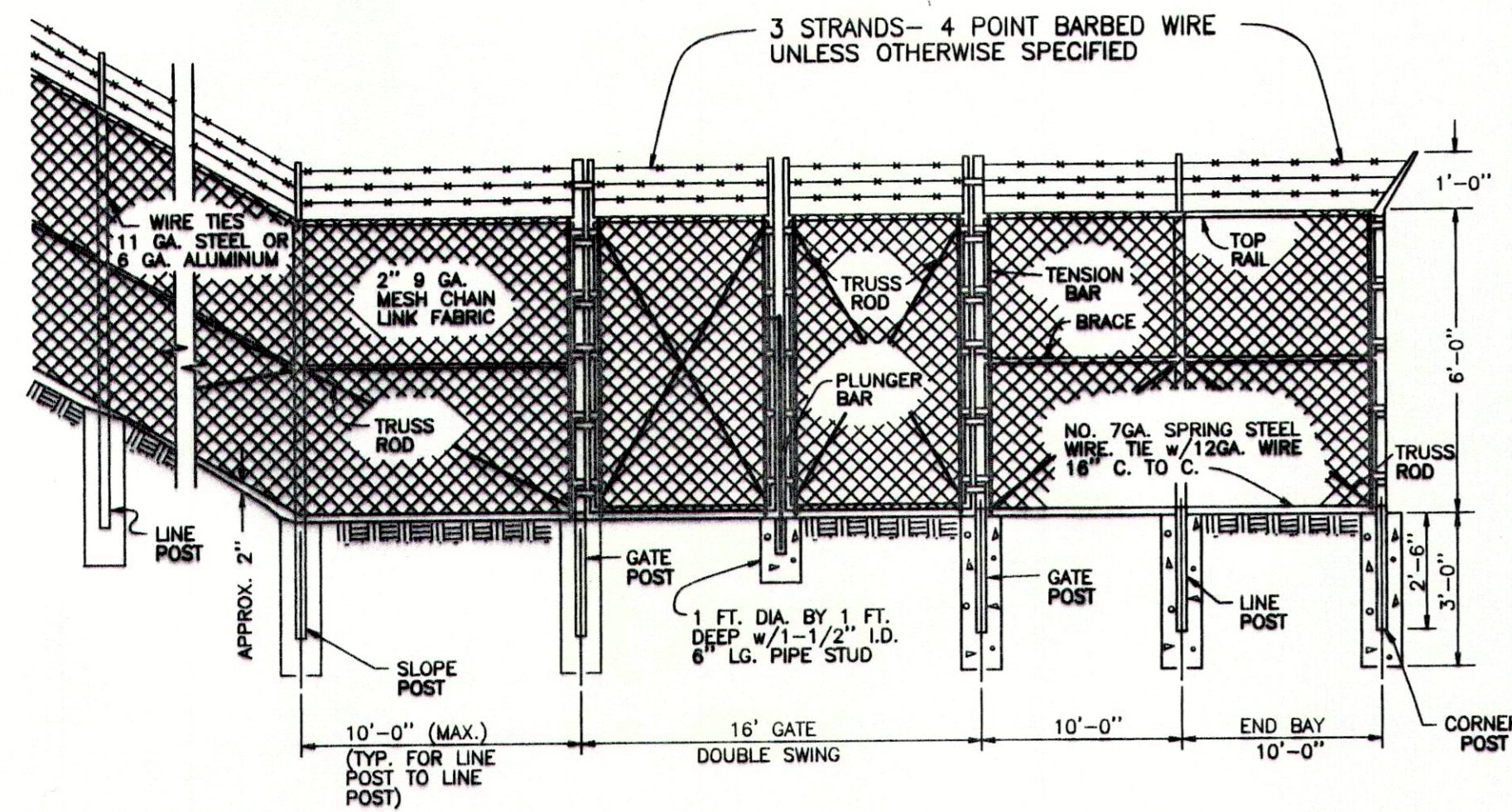
WELL INFORMATION	WEST WELL	EAST WELL
WELL CONSTRUCTION DATA		
REFERENCE DATUM: TOP OF CASING	0	0
BOTTOM OF GROUT (FT)	175	165
SCREEN BEGINS (FT)	200/290	180
SCREEN ENDS (FT)	260/350	300
BOTTOM OF WELL (FT)	370	310
EXISTING CASING DIAMETER (INCHES)	12	12
TEST PUMP INFORMATION		
DATE	3/95	3/95
STATIC WATER LEVEL (FT)	154	141
PUMPING RATE (GPM)	550	570
DRAWDOWN (FT)	64	48
OTHER INFORMATION		
TANK OVERFLOW ELEVATION (USGS ELEV.)	624	624
WELLHEAD ELEVATION (USGS ELEV.)	600	585

WELLHEAD DETAIL
N.T.S.

WELL PUMP INSTALLATION
N.T.S.



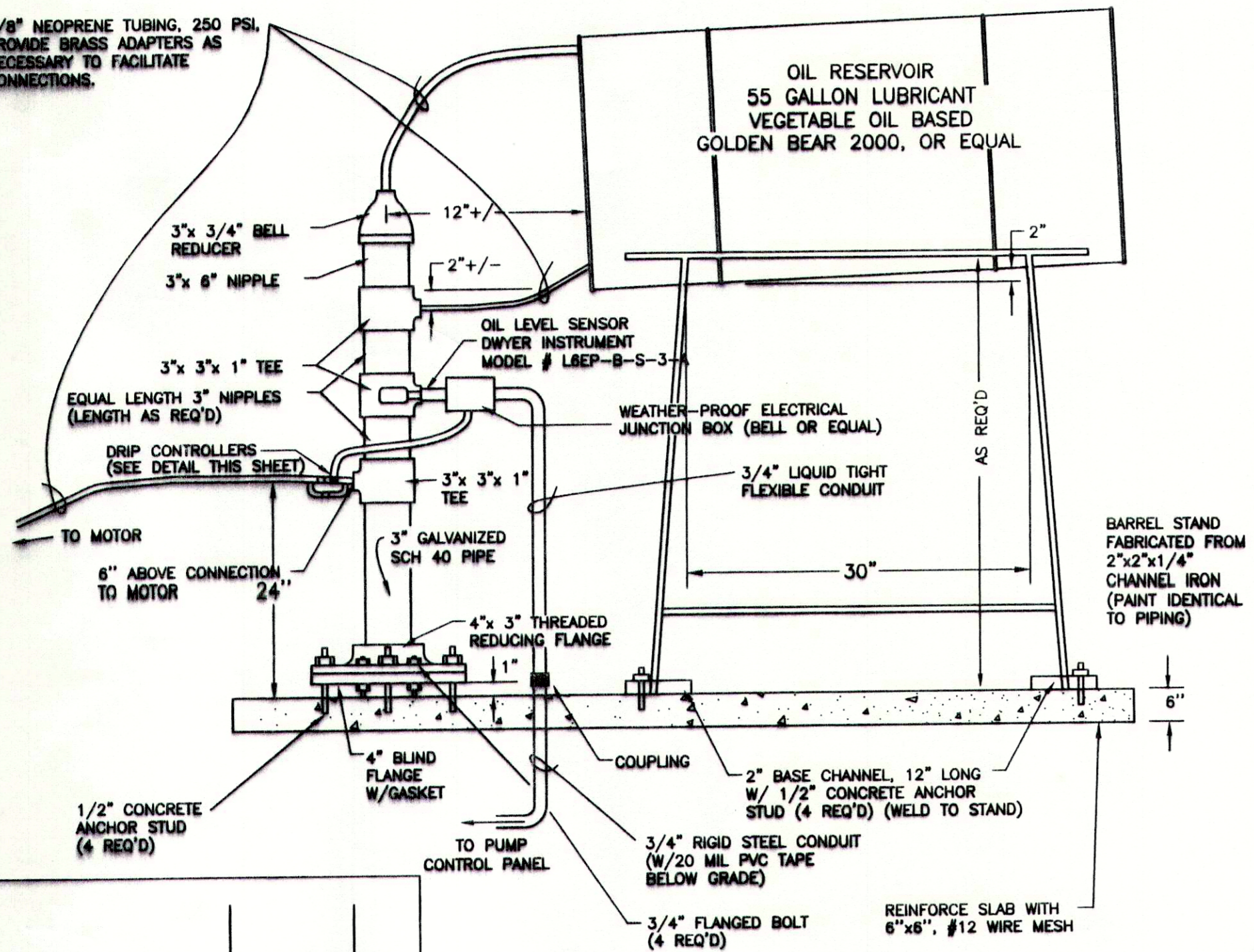
NO.	DATE	M.J.	AS-BUILT REVISION	INDIAN HEALTH SERVICE PHOENIX AREA OFFICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING	DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE INDIAN HEALTH SERVICE	LOCATION: CHEMEHUEVI INDIAN RESERVATION SAN BERNARDINO COUNTY, CALIFORNIA	TITLE: AS-BUILT PUMP AND WELLHEAD DETAIL	DISTRICT: WESTERN ARIZONA	SHEET NO. 8 OF 10 TOTAL SHTS
				PROJECT NO. PH 93-750 95-R01				DRAWING NO. 295-09	



MEMBER	SIZE	WT. PER L.F.	
		GRADE A	GRADE B
LINE POST	2.375" OUTSIDE DIAMETER	3.65	3.12
END POST	2.875" OUTSIDE DIAMETER	5.79	4.64
CORNER POST	"	"	"
SLOPE POST	"	"	"
TENSION BAR	3/16" x 3/4" FLAT	N/A	N/A
GATE BAR	4" OUTSIDE DIAMETER	9.11	6.56
TOP RAIL	1.66" OUTSIDE DIAMETER	2.27	1.84
BRACE	"	"	"

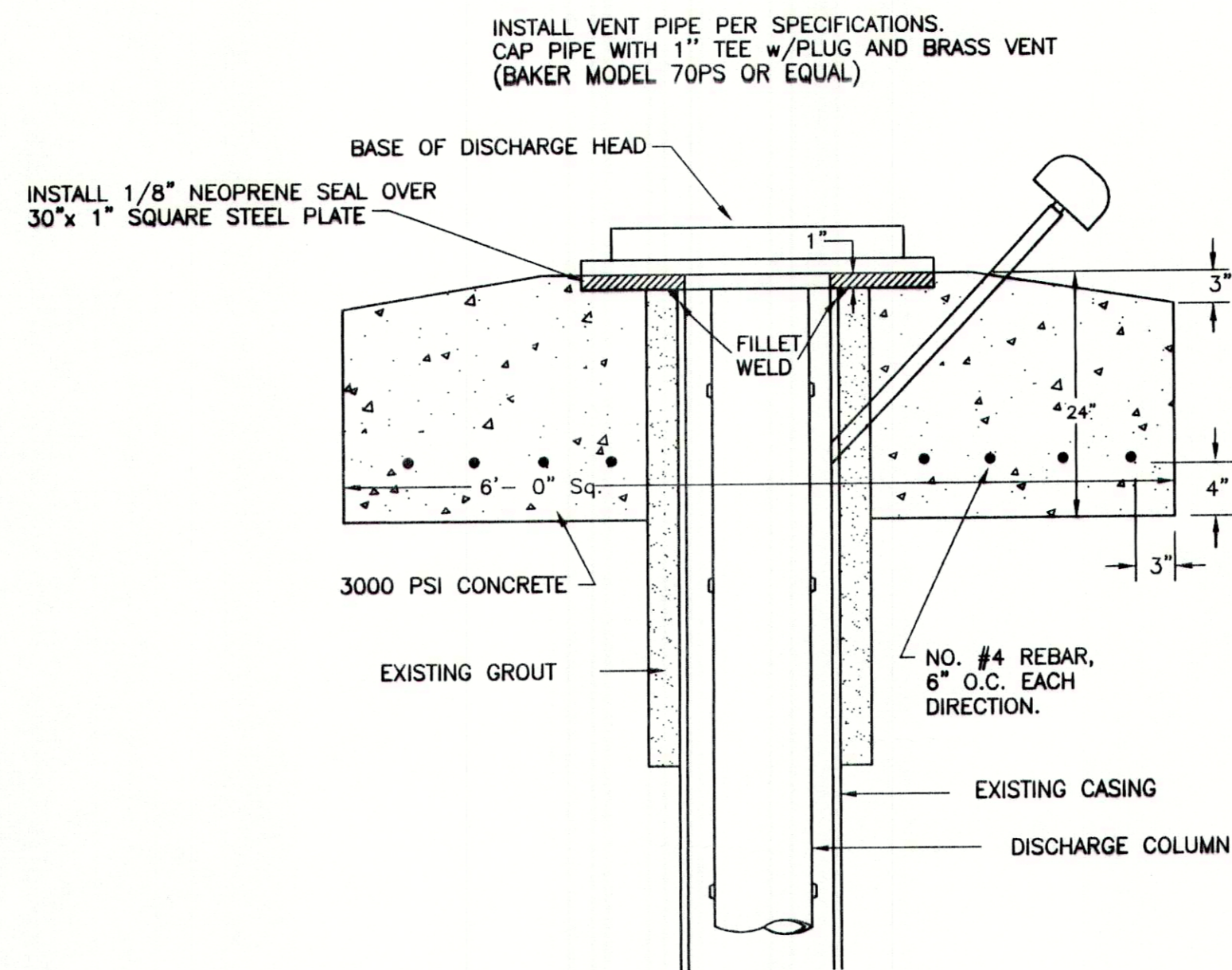
CHAIN-LINK FENCE DETAIL
N.T.S.

NOTES:
ALL BARBED WIRE CONNECTION TO TUBULAR POSTS TO BE MADE W/ GALV. BANDS BOLTED AROUND POSTS.
ALL CONCRETE SHALL BE 3000 P.S.I., CLASS B.
ALL PIPE POSTS SHALL BE CAPPED.

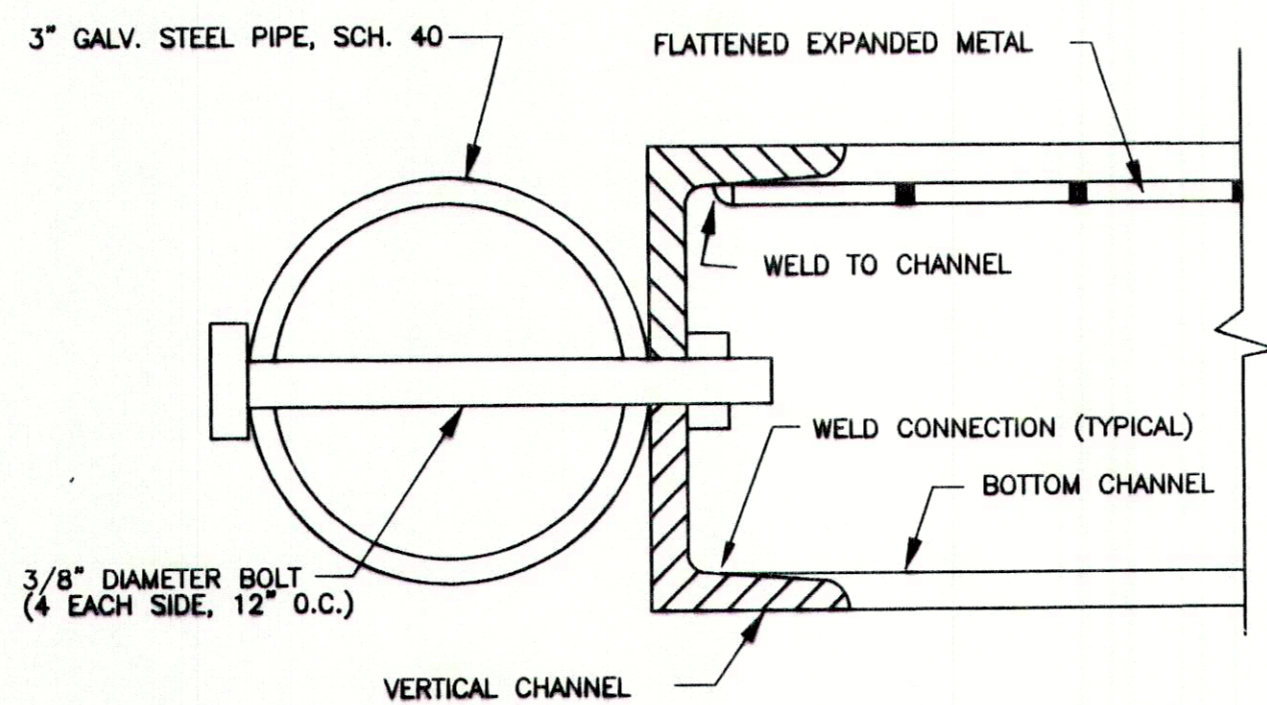


LINE SHAFT LUBRICATION DETAIL
N.T.S.

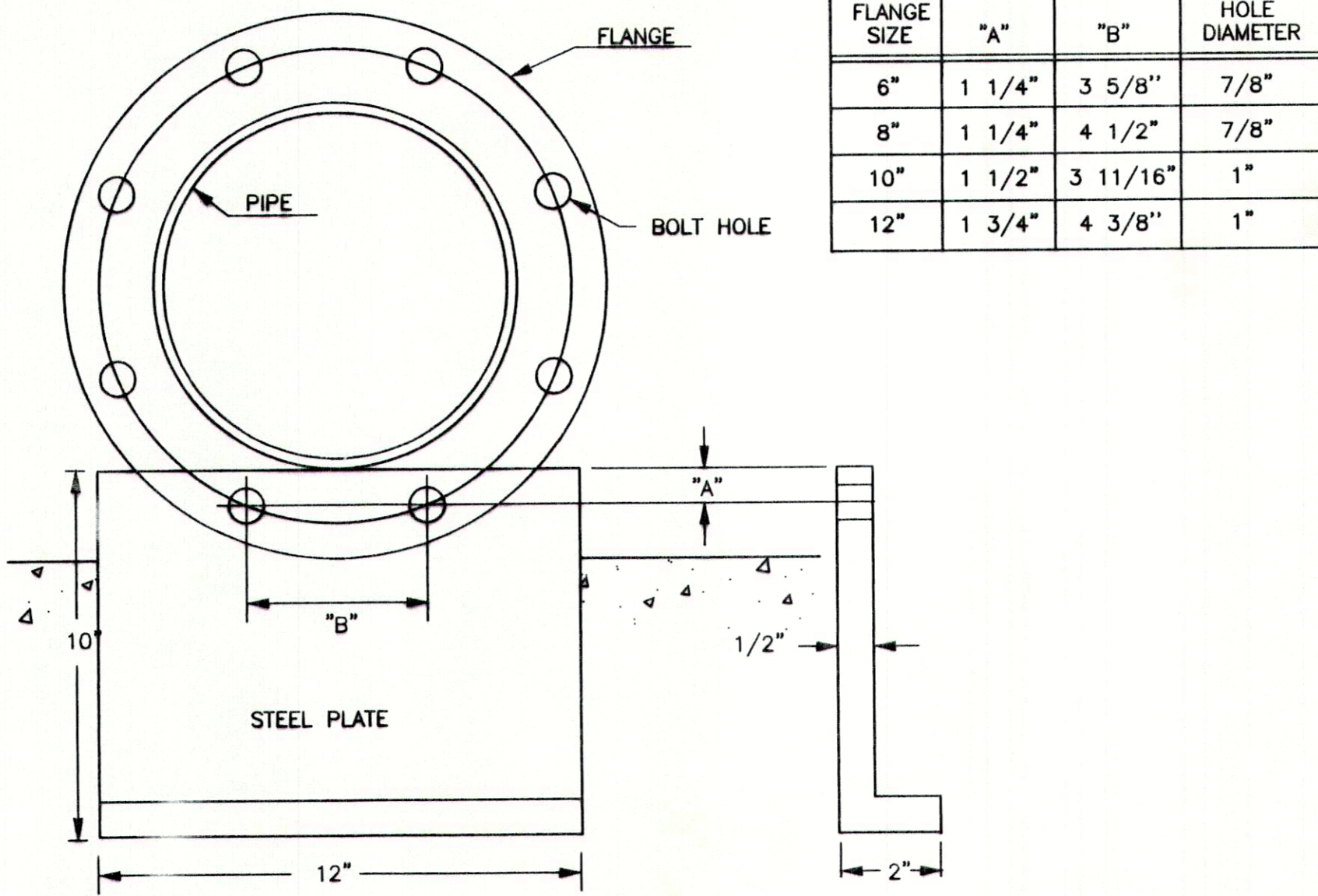
DRIP CONTROLLER DETAIL
N.T.S.



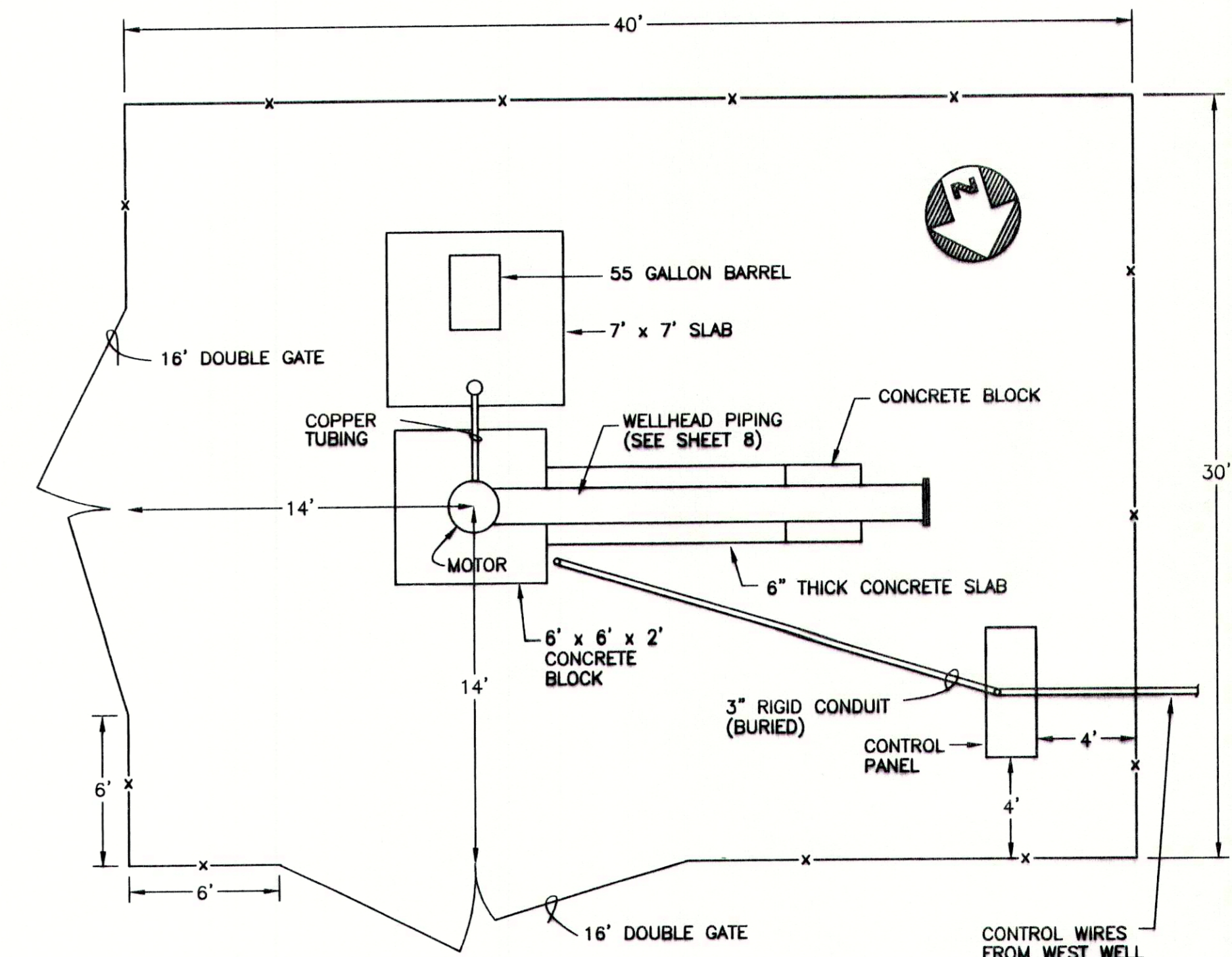
DISCHARGE HEAD BASE DETAIL
N.T.S.



FRAME AND POST DETAIL
N.T.S.

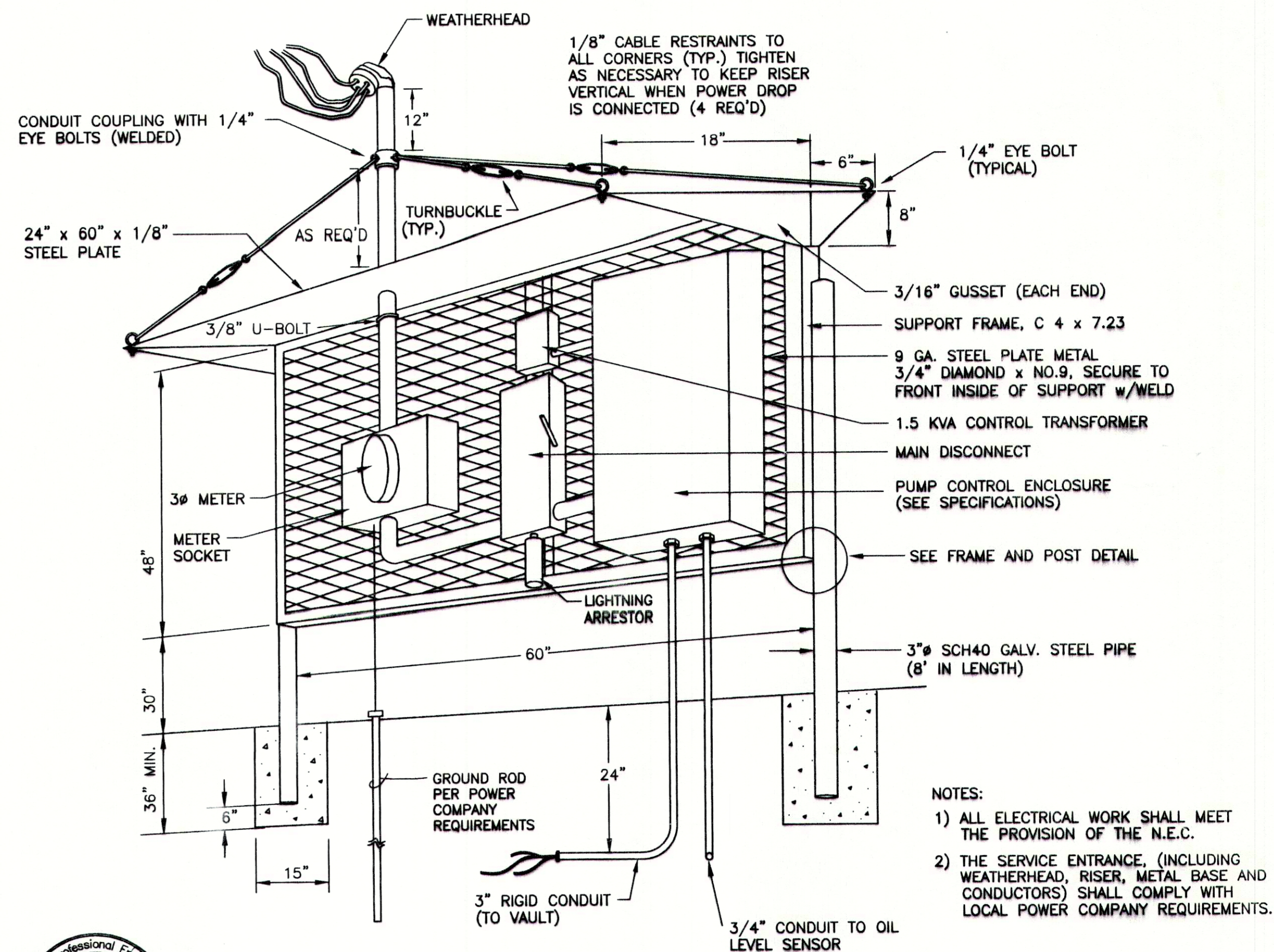


STEEL PLATE DETAIL
N.T.S.



NOTE:
ENGINEER WILL STAKE LOCATIONS OF FENCE CORNERS.

EAST WELL SITE PLAN
SCALE: 1"=50'



CONTROL PANEL DETAIL (EAST WELL)
N.T.S.

NOTES:
1) ALL ELECTRICAL WORK SHALL MEET THE PROVISION OF THE N.E.C.
2) THE SERVICE ENTRANCE, (INCLUDING WEATHERHEAD, RISER, METAL BASE AND CONDUCTORS) SHALL COMPLY WITH LOCAL POWER COMPANY REQUIREMENTS.

NO.	REV.	APPR.	DESCRIPTION
1	9-96	M.J.	AS-BUILT REVISION

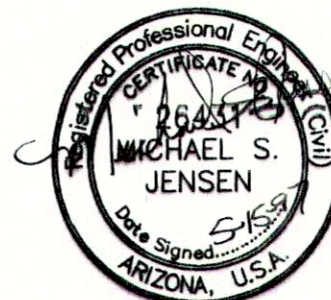
DRAWN BY: C.S.	CHECKED BY: M.R.Y.
DATE: 08-95	DATE: 08-95
INDIAN HEALTH SERVICE PHOENIX AREA OFFICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING	

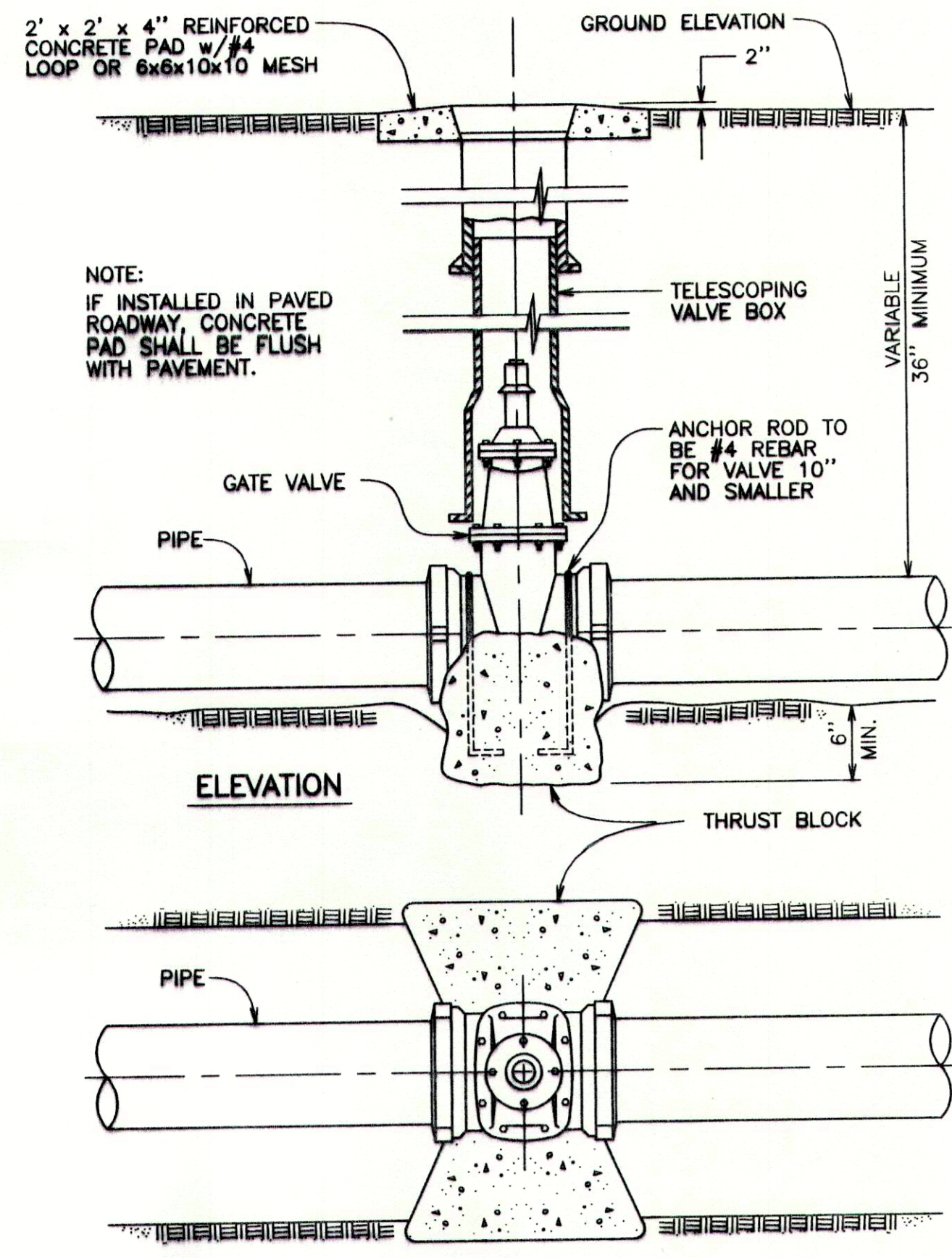
DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
INDIAN HEALTH SERVICE

LOCATION:
CHEMEHUEVI INDIAN RESERVATION
SAN BERNARDINO COUNTY, CALIFORNIA

TITLE:
AS-BUILT
WELL SITE DETAILS

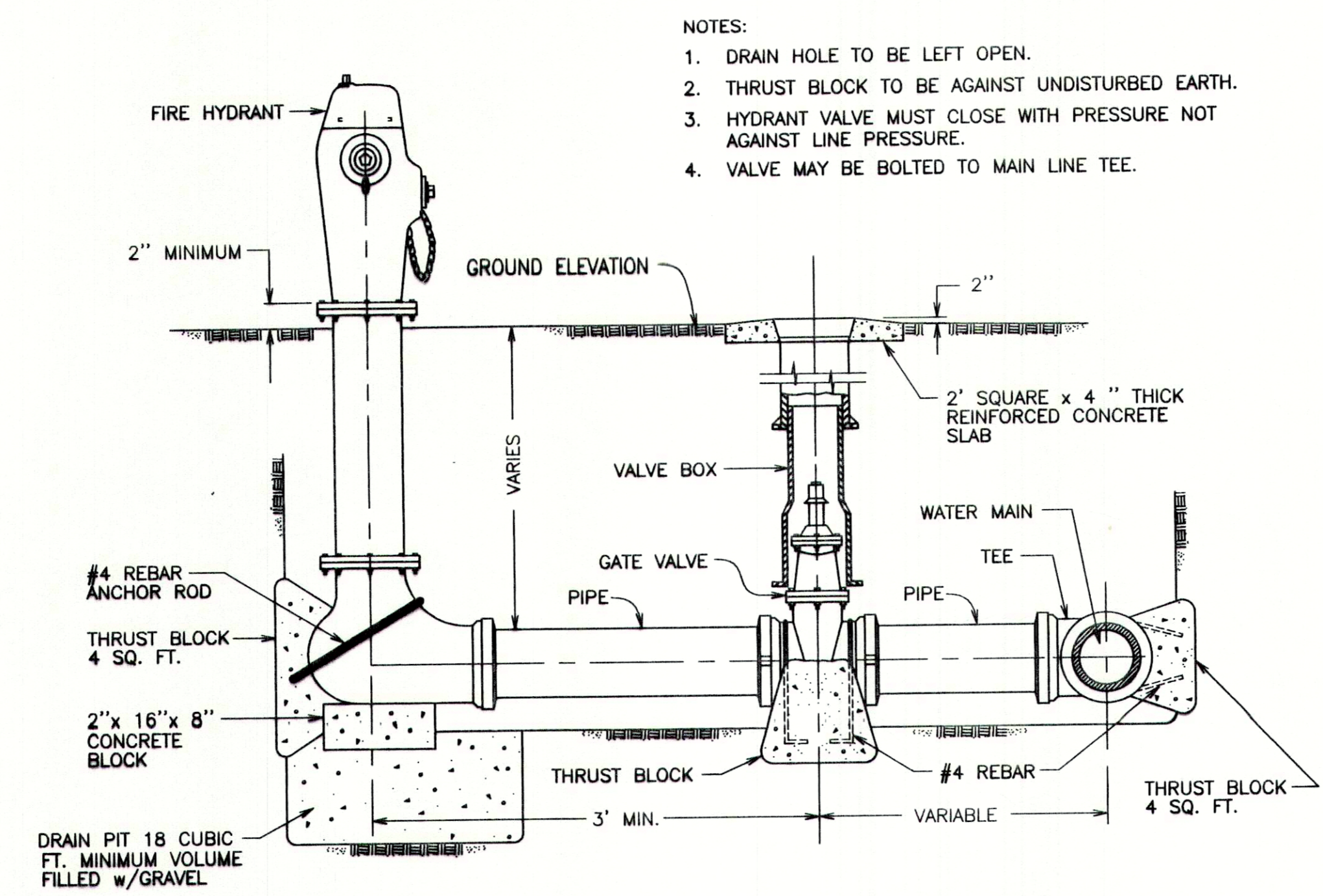
DISTRICT: WESTERN ARIZONA	SHEET NO. 9 OF 10	TOTAL SHITS
PROJECT NO. PH 93-750 95-R01	DRAWING NO. 295-09	





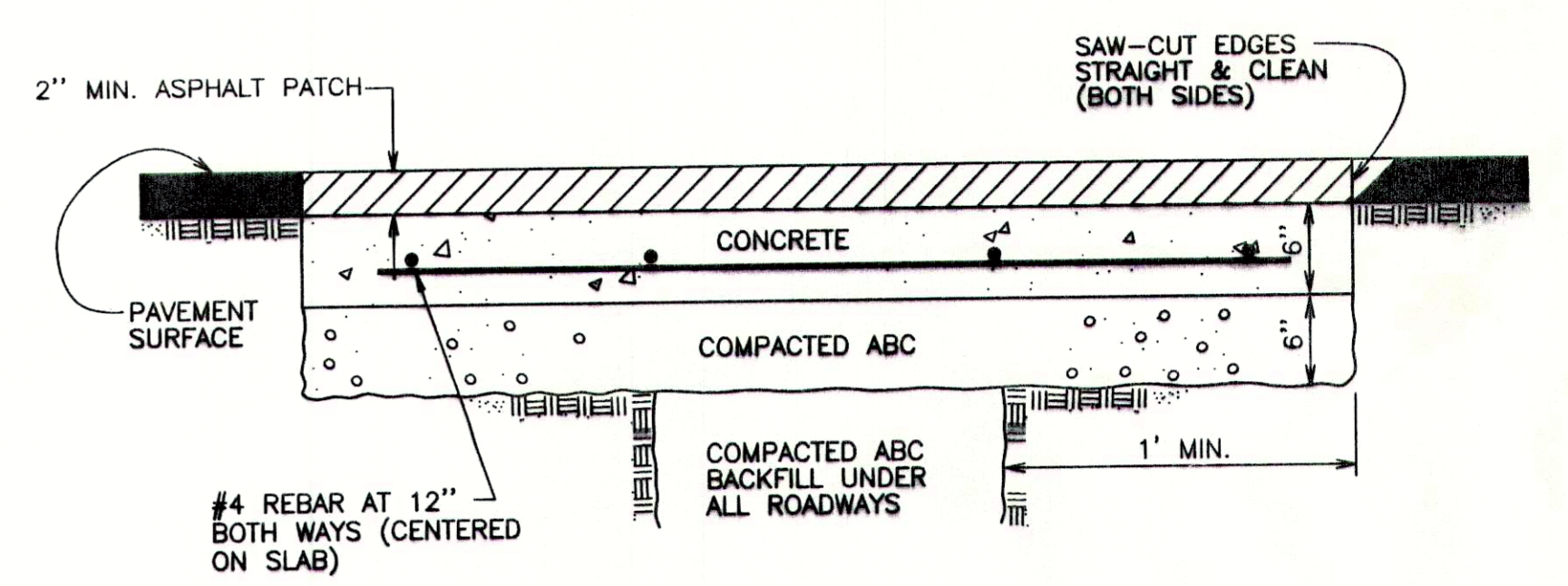
**GATE VALVE & VALVE BOX
INSTALLATION DETAIL**
N.T.S.

W-01

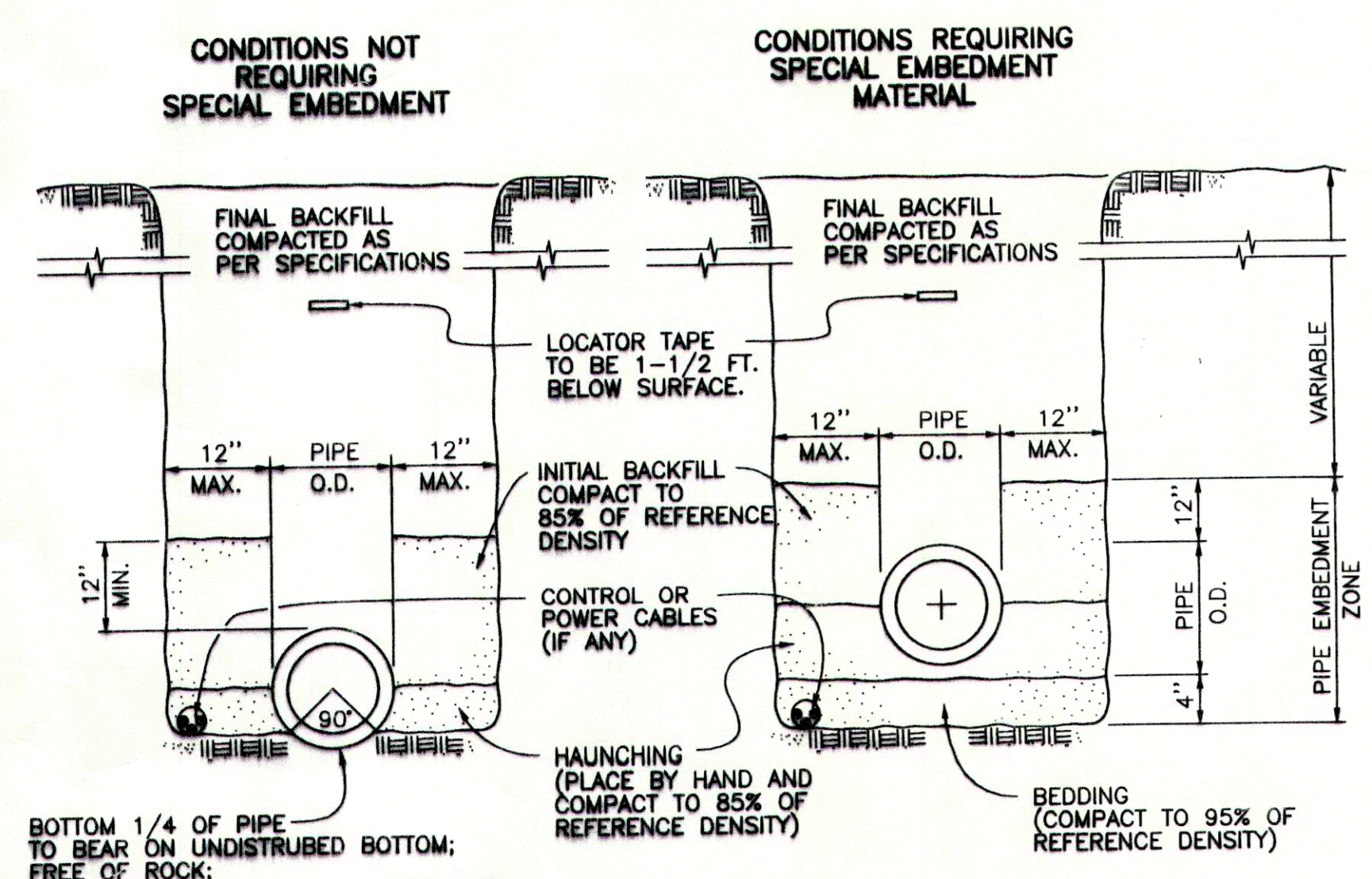


FIRE HYDRANT DETAIL
N.T.S.

W-02

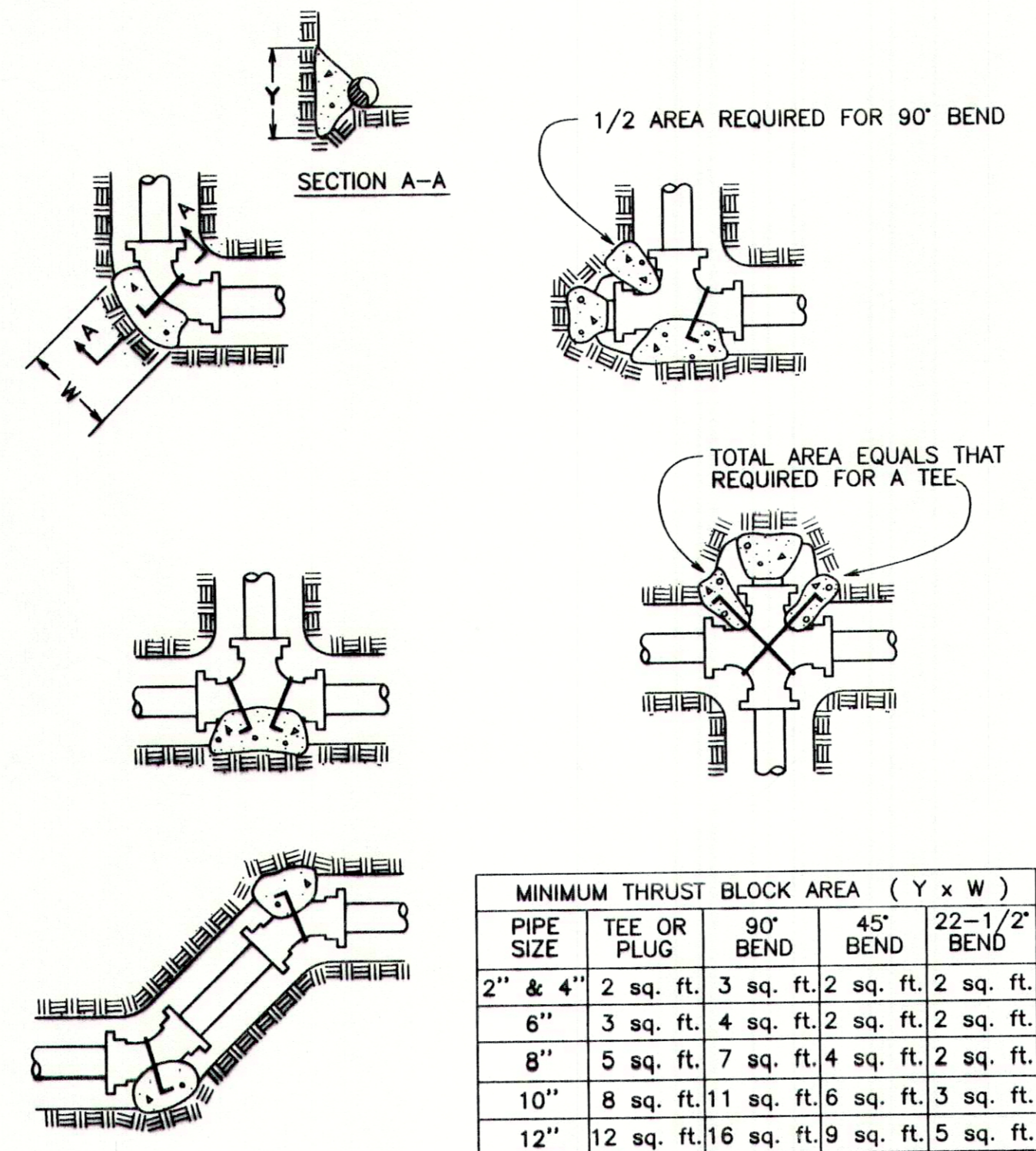


ROADWAY PATCH DETAIL
N.T.S.



TYPICAL TRENCH BEDDING DETAIL
N.T.S.

T-01



MINIMUM THRUST BLOCK AREA (Y x W)				
PIPE SIZE	TEE OR PLUG	90° BEND	45° BEND	22-1/2° BEND
2" & 4"	2 sq. ft.	3 sq. ft.	2 sq. ft.	2 sq. ft.
6"	3 sq. ft.	4 sq. ft.	2 sq. ft.	2 sq. ft.
8"	5 sq. ft.	7 sq. ft.	4 sq. ft.	2 sq. ft.
10"	8 sq. ft.	11 sq. ft.	6 sq. ft.	3 sq. ft.
12"	12 sq. ft.	16 sq. ft.	9 sq. ft.	5 sq. ft.

NOTES:
TABLE IS BASED ON 200 PSI TEST PRESSURE AND 2,000 LB./SQ. FT. SOIL. IF LOWER SOIL BEARING CAPACITIES ARE FOUND OR HIGHER PRESSURE REQUIRED, AREA SHALL BE INCREASED ACCORDINGLY.
THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.

TYPICAL THRUST BLOCK DETAILS
N.T.S.

W-09



NO.	DATE	APPR.	DESCRIPTION

DRAWN BY: C.S.	CHECKED BY: M.R.Y.
DATE: 08-95	DATE: 08-95
INDIAN HEALTH SERVICE PHOENIX AREA OFFICE OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING	

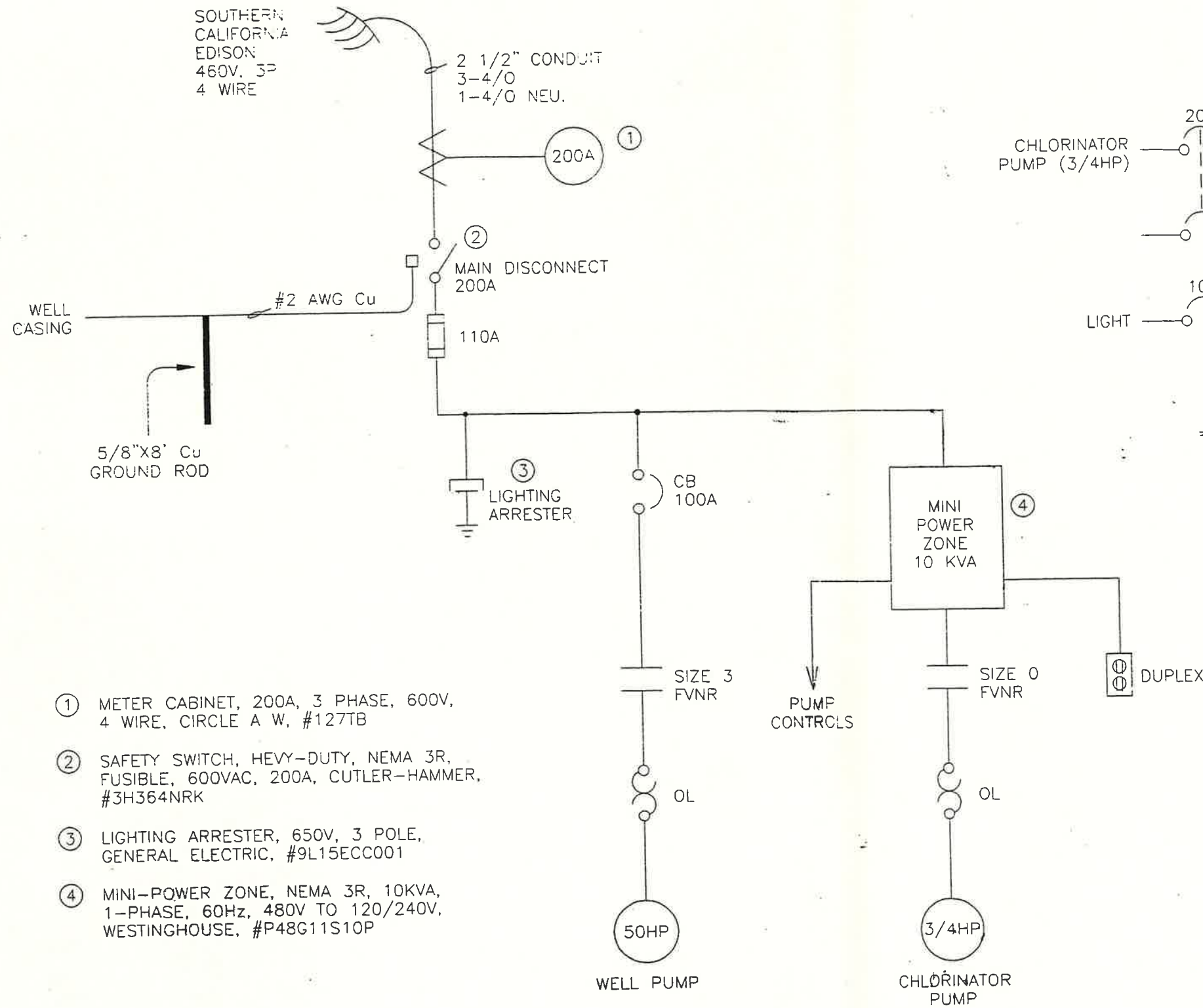
DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
INDIAN HEALTH SERVICE

LOCATION:
CHEMEHUEVI INDIAN RESERVATION
SAN BERNARDINO COUNTY, CALIFORNIA

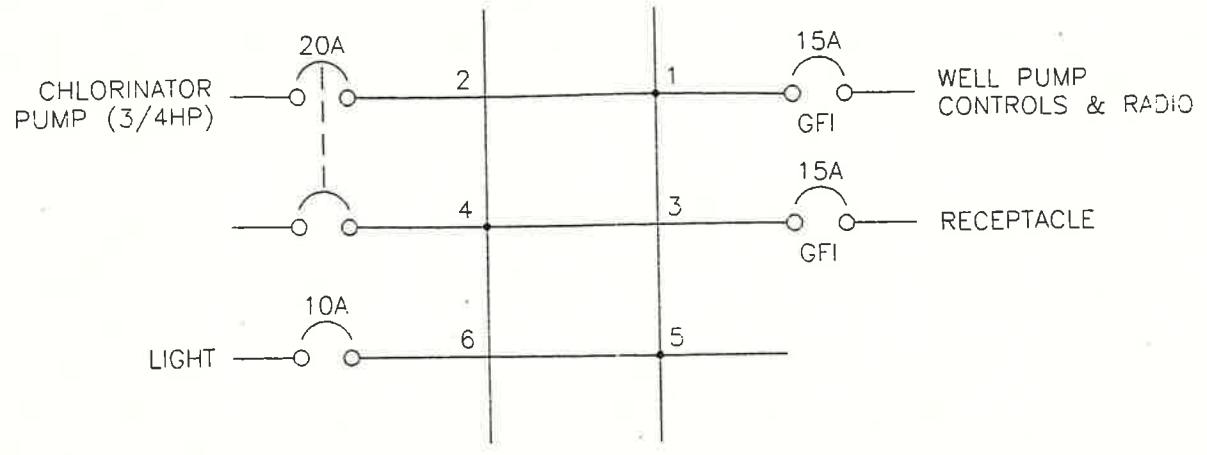
TITLE:
WATER SYSTEM DETAILS

DISTRICT: WESTERN ARIZONA	SHEET NO. 10 OF 10 TOTAL SHTS
PROJECT NO. PH 93-750 95-R01	DRAWING NO. 295-09

Wiring Schematic

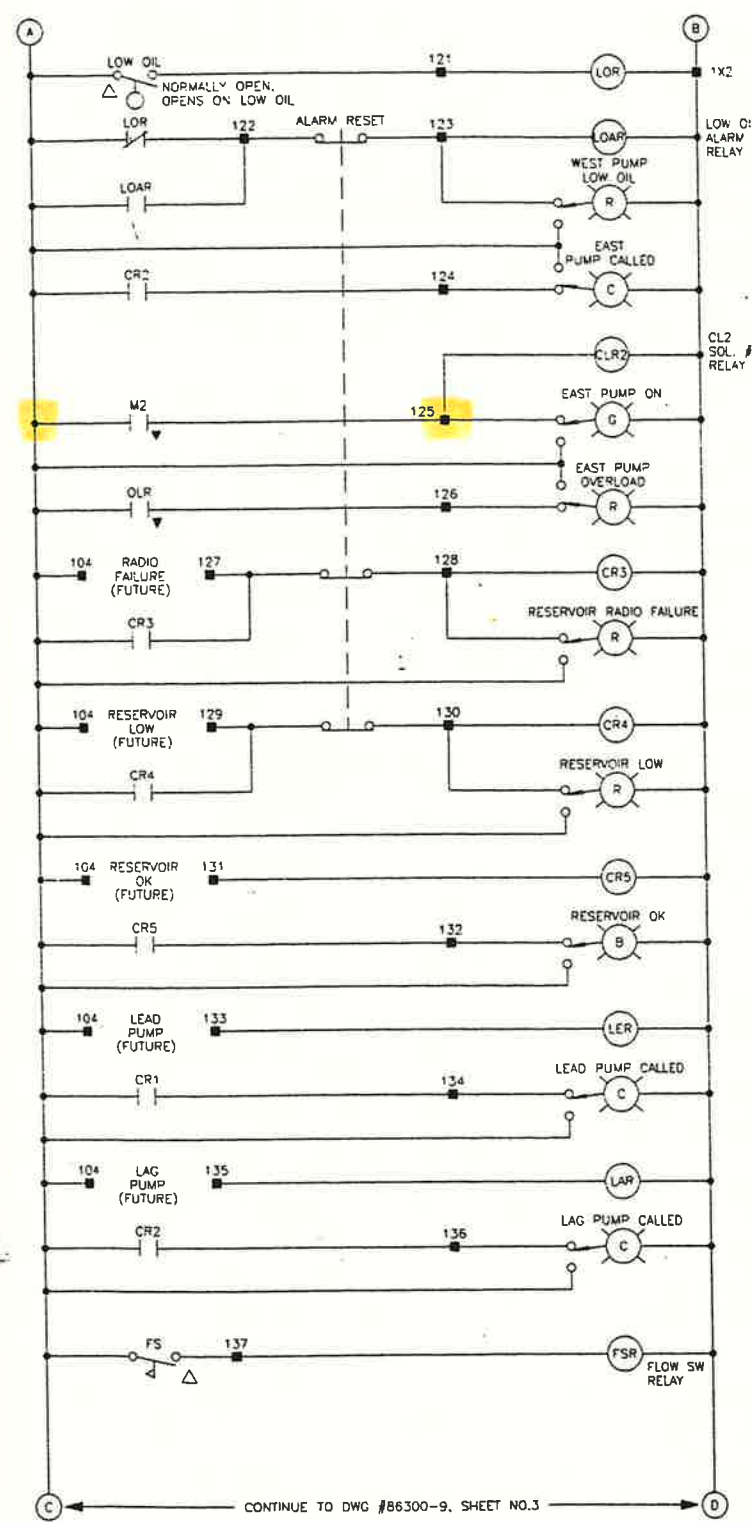
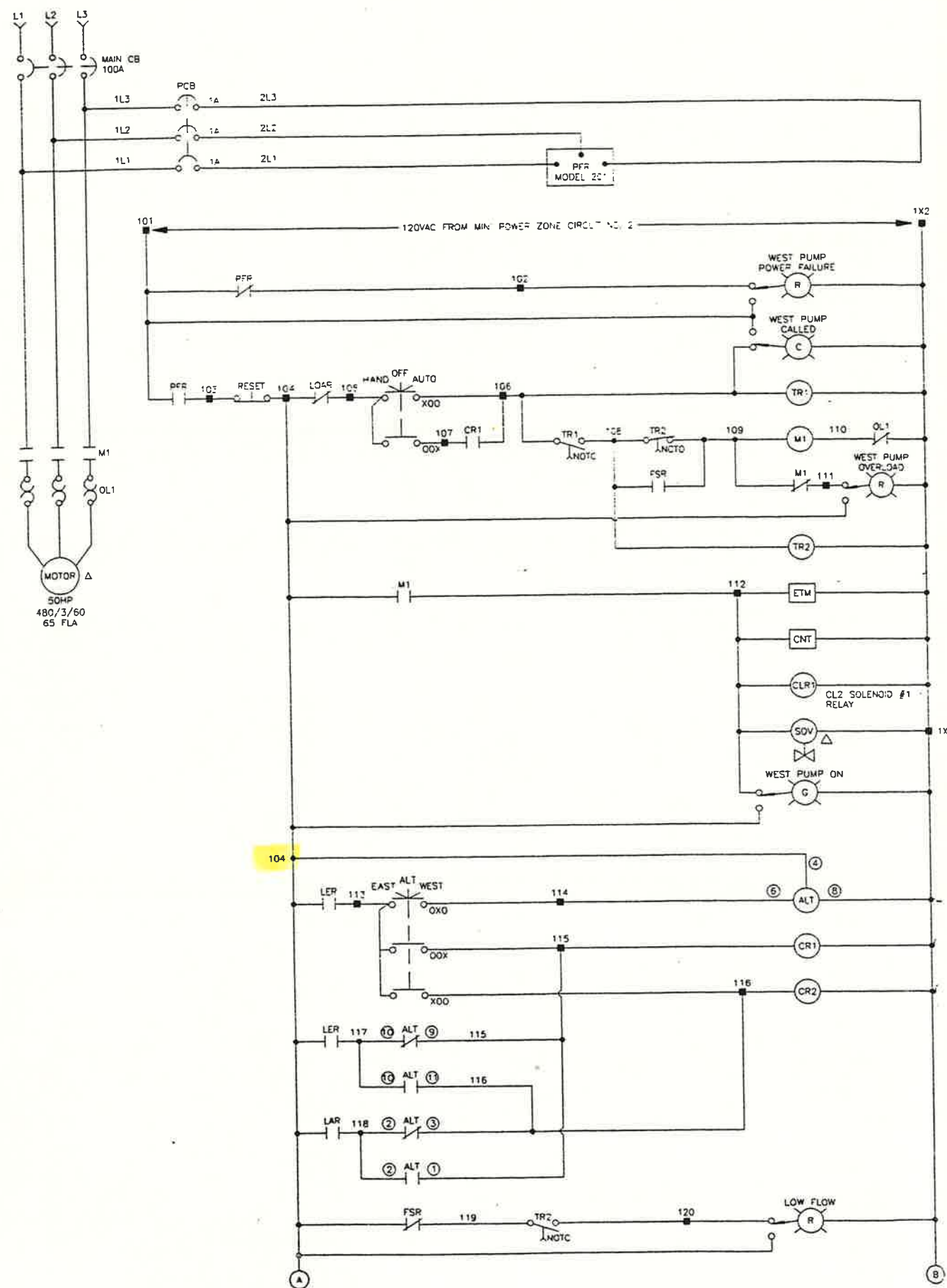


- ① METER CABINET, 200A, 3 PHASE, 600V, 4 WIRE, CIRCLE A W, #127TB
- ② SAFETY SWITCH, HEVY-DUTY, NEMA 3R, FUSIBLE, 600VAC, 200A, CUTLER-HAMMER, #3H364NRK
- ③ LIGHTING ARRESTER, 650V, 3 POLE, GENERAL ELECTRIC, #9L15ECC001
- ④ MINI-POWER ZONE, NEMA 3R, 10KVA, 1-PHASE, 60Hz, 480V TO 120/240V, WESTINGHOUSE, #P48G11S10P

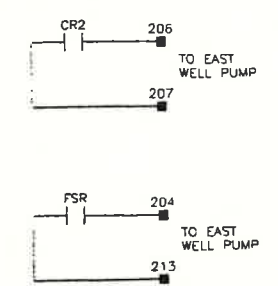


MINI-POWER ZONE PANEL SCHEDULE

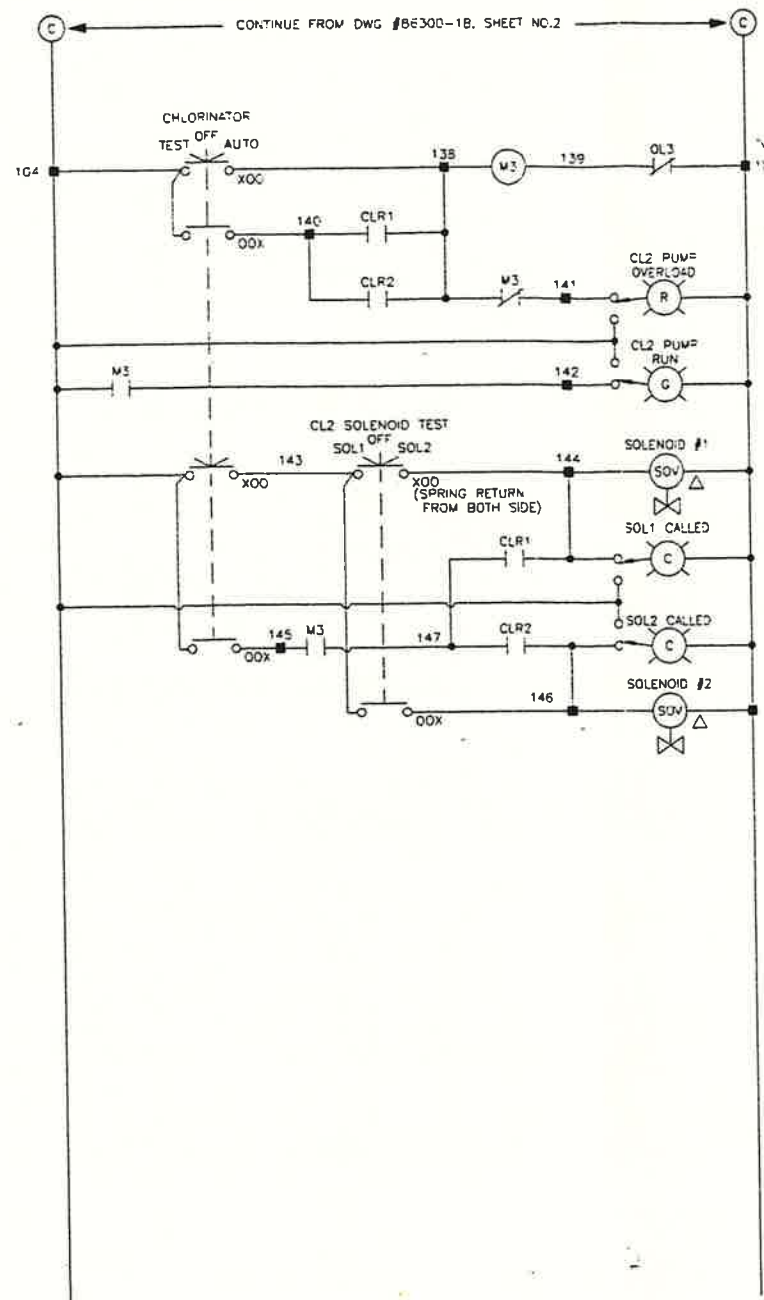
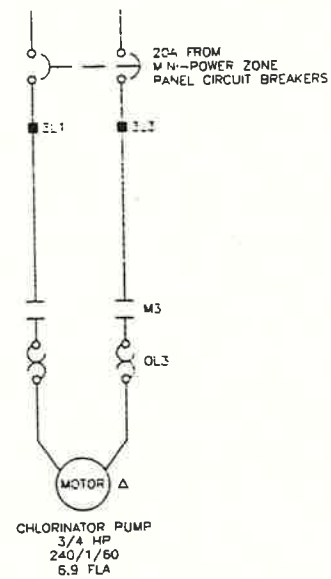
LEGEND: △ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer:	ARI-CAL	Keller Equipment Co. 4205 E. Wingo, Phoenix, AZ 85040 (602)437-3015		
	Job No.:	86300	WEST PUMP & CL2 PUMP ONE-LINE DIAGRAM		
	Designed:	DK	Drawn:	HS	Date: 3/11/96 Drawing No. KEC-86300-5 Sheet No. 1 OF 10



SYMBOL	QTY	DESCRIPTION / MANUFACTURER / PART NO.
CB	1	CIRCUIT BREAKER, THERMAL MAGNETIC, 600V, 100A, TYPE KDB, WESTINGHOUSE, #KDB3100 BREAKER MECHANISM, #5092A62G01 HANDLE, #504C323G03 SHAFT, LONGS, #4744446G37
M1	1	STARTER, SIZE 3, FVNR, 120VAC, OPEN, ALLEN-BRADLEY, #509-DGD AUX. CONTACT, 1NC/1NC, #595-AB
	3	OVERLOAD RELAY, 69A, ALLEN-BRADLEY, #W73
PFR	1	MOTOR PROTECTOR, PLUG-IN, 480V, SYMCOM, #MODEL 201 SOCKET, DIN-RAIL, 600V, #010B
TR1, TR2	2	TIME RELAY, ON DELAY, 120VAC, 0-1023 SECOND, TIMEMAKR, #MODEL 360-120V-1023S
	2	SOCKET, 8-PIN, DIN RAIL, DYATON, #5X852
ALT	1	ALTERNATING RELAY, DPDT, 120V, TIME MARK, #MODEL 2610
	1	SOCKET, 11-PIN, DIN RAIL, DYATON, #6X156
CR1, CR3, CR4, CR5, LER, LAR, LOR, LOR, LOR	10	CONTROL RELAY, DPDT, 120V, PIN PLUG-IN, CUTLER-HAMMER, #MR2P120AC
	10	SOCKET, 8-PIN, DIN RAIL, DYATON, #5X852
CR2, FSR	2	CONTROL RELAY, SPDT, 120V, PIN PLUG-IN, CUTLER-HAMMER, #MR3P120AC
	2	SOCKET, 11-PIN, DIN RAIL, DYATON, #6X156
ETM	1	ELAPSED TIME METER, NON-RESET, CRAMER, #6X139
CNT	1	ELECTROMECHANICAL TOTALIZER, 120V, PANEL MOUNTED, 6 FIGURES, REDINGTON, #P2-4B16
H-O-A	1	SELECTOR SWITCH, 3 POSITION MAIN, 2NO, CUTLER-HAMMER, #10250T1323-2-M51
E-ALT-W	1	SELECTOR SWITCH, 3 POSITION MAIN, 2NC, CUTLER-HAMMER, #10250T1323-3-M36
INDICATOR	14	INDICATING LIGHT, PUSH-TO-TEST 120V, PLASTIC, CUTLER-HAMMER, WEST PUMP POWER FAILURE, #10250T221N-C21-M36 WEST PUMP CALLED, #10250T221N-C25-M36 WEST PUMP ON, #10250T221N-C22-M36 WEST PUMP OVERLOAD, #10250T221N-C21-M36 LOW FLOW, #10250T221N-C21-M36 WEST PUMP LOW OIL, #10250T221N-C21-M36 EAST PUMP CALLED, #10250T221N-C25-M36 EAST PUMP ON, #10250T221N-C22-M36 EAST PUMP OVERLOAD, #10250T221N-C21-M36 RESERVOIR RADIO FAILURE, #10250T221N-C21-M36 RESERVOIR OK, #10250T221N-C24-M36 LEAD PUMP CALLED, #10250T221N-C25-M36 LAG PUMP CALLED, #10250T221N-C25-M36
RESET	1	PB OPERATOR, BLACK, NC, CUTLER-HAMMER, #10250T101-51-M29
ALARM RESET	1	PB OPERATOR, BLACK, 3NC, CUTLER-HAMMER, #10250T101-3-51-M29
PCB	1	SUPPLEMENTARY PROTECTOR, CURRENT LIMITING, 277/480V, 3 POLE, 1A, DIN-RAIL, CUTLER-HAMMER, #SPCL3C01

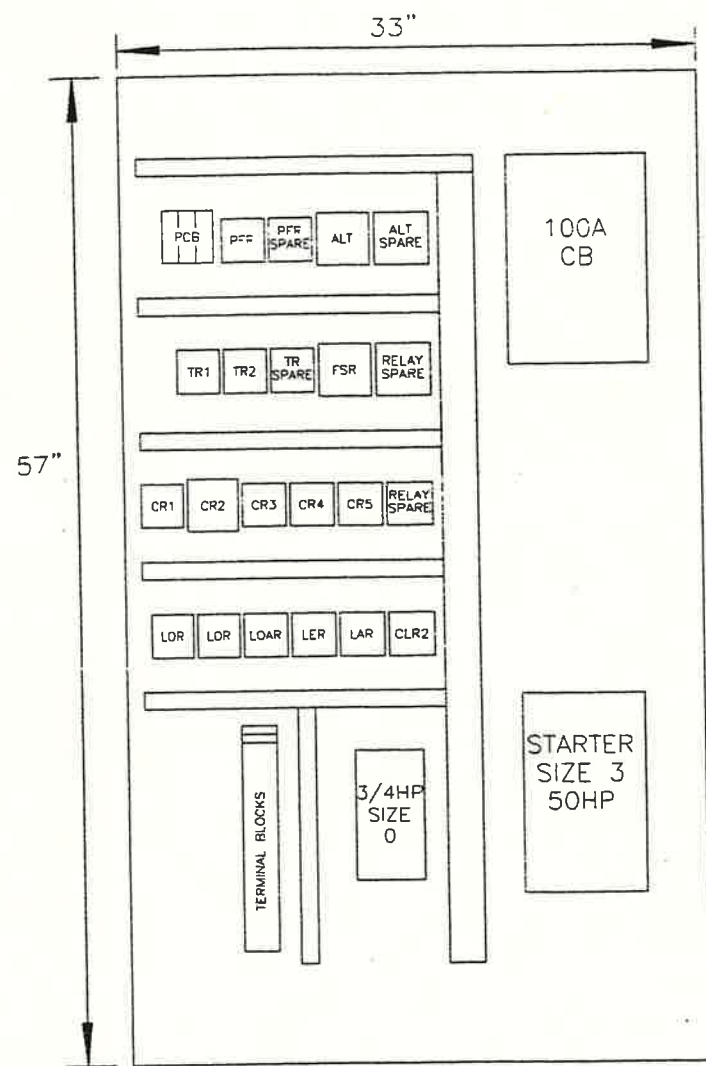


NOTE: ▼ CONTACT LOCATED IN EAST WELL PUMP CONTROL	LEGEND: △ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer: ARI-CAL	Keller Equipment Co. 4208 E. Winslow Phoenix, AZ 85040 (602)437-3015	
		Job No. 86300	WEST PUMP & CL2 PUMP CONTROL PT.1	
Designed: DK	Drawn: HS	Date: 2/28/96	Drawing No. NEC-86300-1B	Sheet No. 2 OF 10

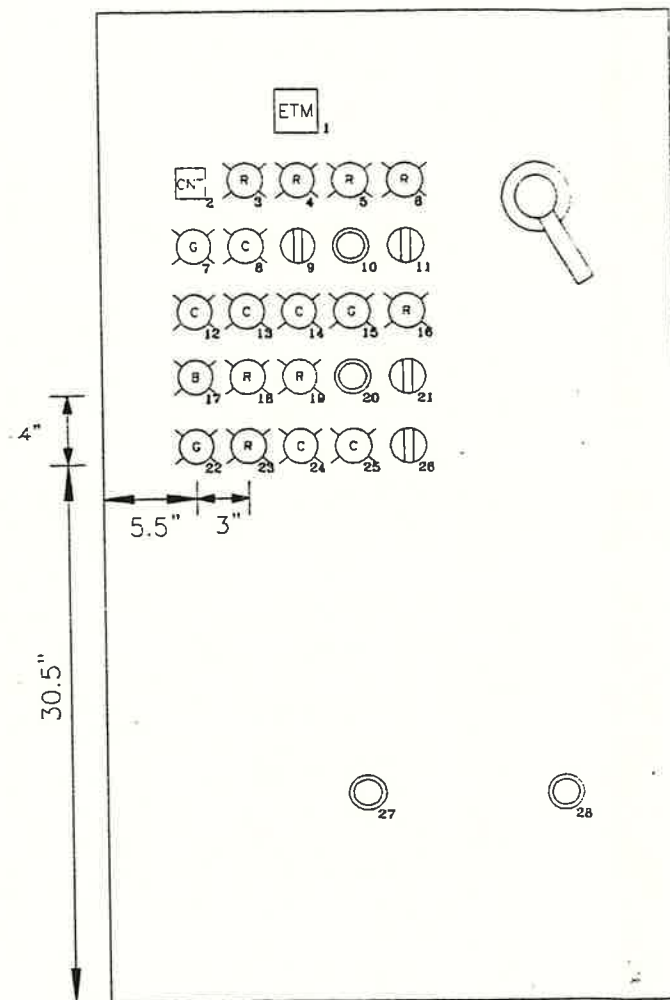


SYMBOL	QTY	DESCRIPTION / MANUFACTURER / PART NO.
M3	1	STARTER, SIZE 0, FVN ² , 120VAC, OPEN, ALLEN-BRADLEY, #509-A00 AUX. CONTACT, 1NO/1NC, #595-AB
	2	OVERLOAD RELAY, 7.22A ALLEN-BRADLEY, #W48
T-O-A	1	SELECTOR SWITCH, 3 POSITION MIN., 4NO, CUTLER-HAMMER, #10250T1323-2-2-M36
S1-O-S2	1	SELECTOR SWITCH, 3 POSITION SPRING RETURN FROM RIGHT & LEFT, 2NO, CUTLER-HAMMER, #10250T343-2-M36
INDICATOR	4	INDICATING LIGHT, PUSH-TO-TEST 120V, PLASTIC, CUTLER-HAMMER, CL2 OVERLOAD, #10250T221N-C21-M36 CL2 PUMP ON, #10250T221N-C22-M36 SOLENOID #1 CALLED, #10250T21N-C25-M36 SOLENOID #2 CALLED, #10250T21N-C25-M36

NOTE: ▼ CONTACT LOCATED IN EAST WELL PUMP CONTROL	LEGEND: Δ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer: ARI-CAL	Keller Equipment Co. 4706 E. Winslow Phoenix, AZ 85040 (602)437-3015		
		Job No: 86300	WEST PUMP & CL2 PUMP CONTROL, PT.2		
Designed: DK	Drawn: HS	Date: 3/7/96	Drawing No. KEC-86300-9	Sheet No. 3 OF 10	



BACK PANEL

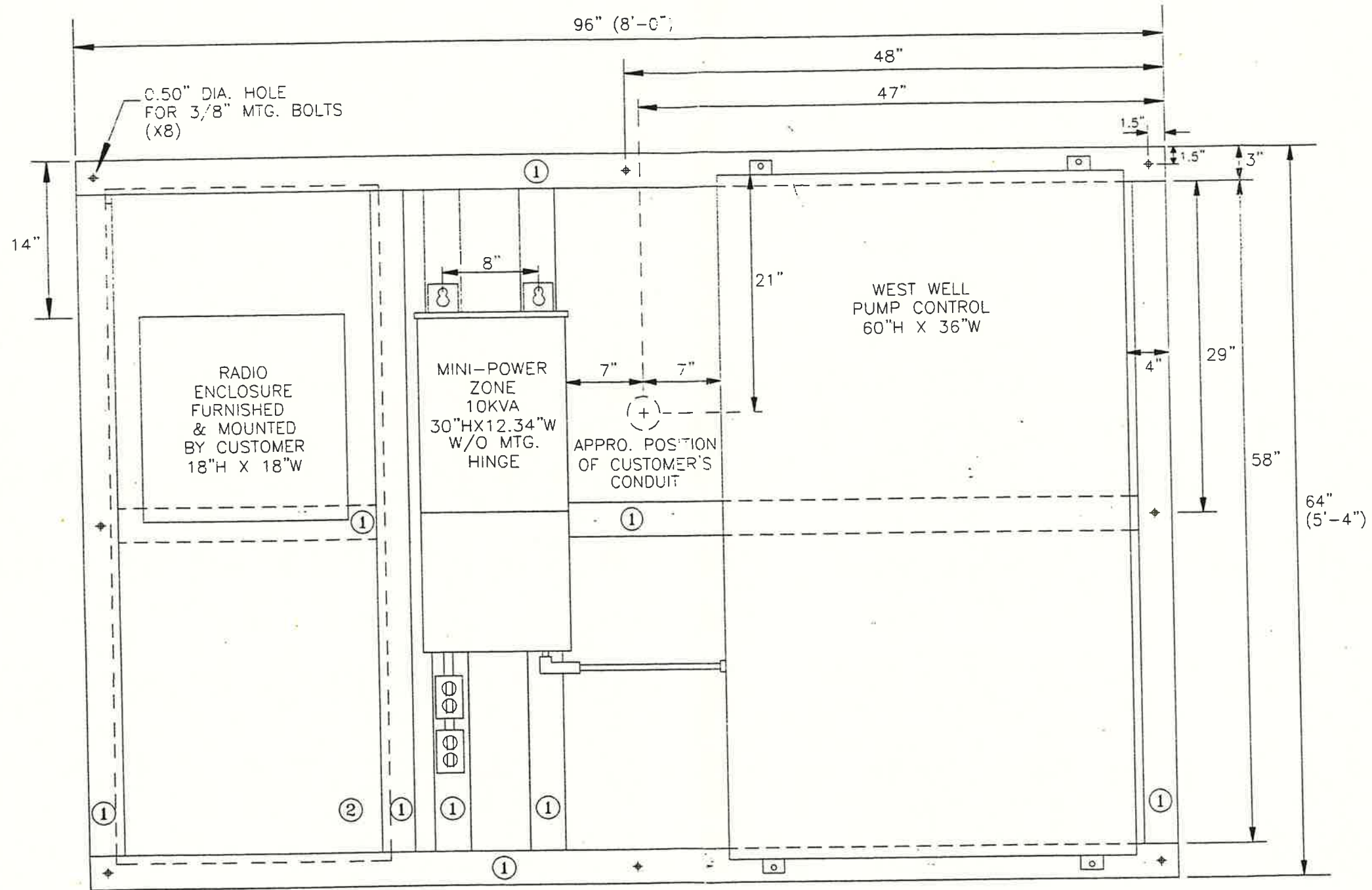


SWING-OUT PANEL

NO.	LEGENDS OR DESCRIPTIONS
1	ELAPSED TIME METER
2	ELECTROMECHANICAL COUNTER
3	LOW FLOW
4	WEST WELL PUMP POWER FAILURE
5	WEST WELL PUMP OVERLOAD
6	WEST WELL PUMP LOW OIL
7	WEST WELL PUMP ON
8	WEST WELL PUMP CALLED
9	HAND-OFF-AUTO. SELECTOR SWITCH
10	WEST WELL PUMP RESET
11	EAST-ALT-WEST. SELECTOR SWITCH
12	LEAD PUMP CALLED
13	LAG PUMP CALLED
14	EAST WELL PUMP CALLED
15	EAST WELL PUMP ON
16	EAST WELL PUMP OVERLOAD
17	RESERVOIR OK
18	RESERVOIR RADIO FAILURE
19	RESERVOIR LOW
20	ALARM RESET
21	CL2 TEST-OFF-AUTO. SELECTOR SWITCH
22	CL2 PUMP ON
23	CL2 PUMP OVERLOAD
24	CL2 SOLENOID #1 CALLED
25	CL2 SOLENOID #2 CALLED
26	CL2 SOLENOID TEST SELECTOR SWITCH SOLENOID #1-OFF-SOLENOID #2
27	CL2 PUMP OL RESET
28	WEST WELL PUMP OL RESET

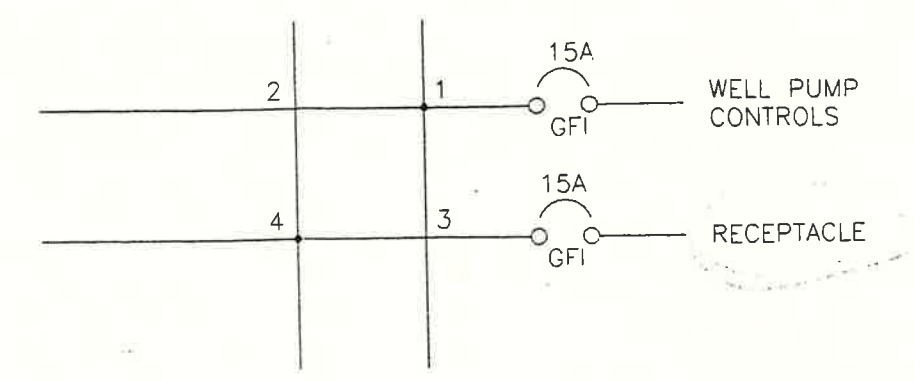
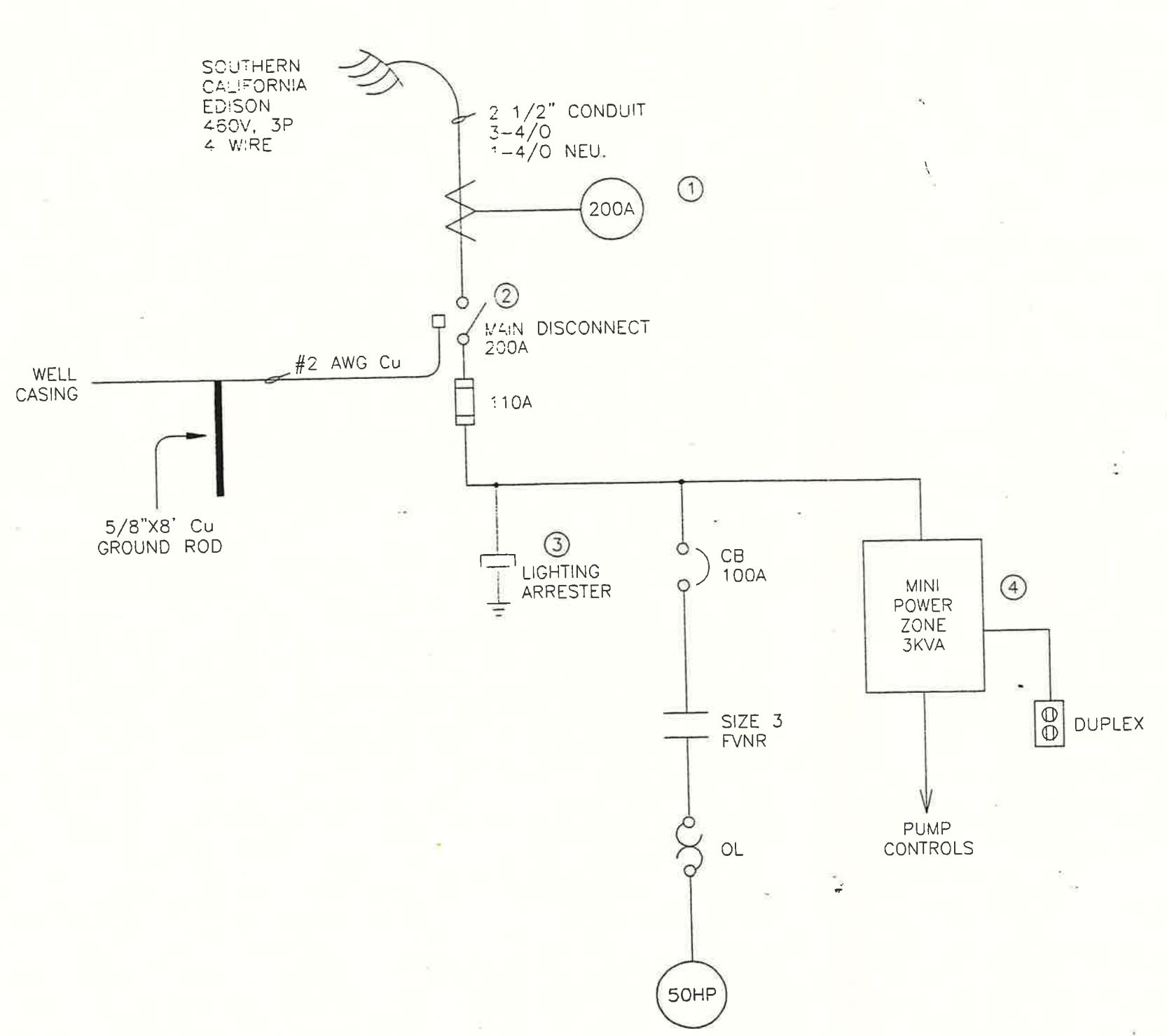
ENCLOSURE	60"X35"X16", NEMA 12, HOFFMAN, #A-603616LP PANEL, #A-60P36 NEMA SWING-OUT KIT, #A-NADFK
CB	THERMAL MAGNETIC BREAKER, TYPE KDE, 600V, 100A, WESTINGHOUSE, #KDB3100 BREAKER MECHANISM, #5092A62G01 HANDLE, #504C323G03 SHAFT, LONG, #47A4446G37
STARTER	STARTER, SIZE 3, 120VAC, ALLEN-BRADLEY, #509-DOD AUX. CONTACT, 1NO/1NC, #595-AB STARTER, SIZE 0, 120VAC, ALLEN-BRADLEY, #509-AQD AUX. CONTACT, 1NO/1NC, #595-AB
PFR	MOTOR PROTECTOR, SYMCOM, #MODEL 201
ALT	ALTERNATING RELAY, DPDT, 120V, TIMEMARK, #MODEL 261D
CR1, CR3, CR4 CR5, LOR, LOAR LER, LAR, CLR1 CLR2	CONTROL RELAY, DPDT, 120V, PIN PLUG-IN, CUTLER-HAMMER, #NR2P120AC SOCKET, 8-PIN, DIN RAIL, DAYTON, #5X852
CR2, FSR	CONTROL RELAY, 3PDT, 120V, PIN PLUG-IN, CUTLER-HAMMER, #NR3P120AC SOCKET, 11-PIN, DIN RAIL, DAYTON, #6X156
TR1, TR2	TIME RELAY, ON DELAY, 0-1023S, TIMEMARK, #MODEL 360-120V-1023S
LIGHT INDICATOR	PILOT LIGHT, PUSH-TO-TEST, 120VAC, CUTLER-HAMMER, #10250T221N-C21, C22, C24, C25
ETM	ELAPSED TIME METER, NON-RESET, CREAMER, #6X139
CNT	ELECTROMECHANICAL TOTALIZER, REDINGTON, #P2-4816
PUSH BUTTONS	PUSH BUTTON OPERATORS, RESET, CUTLER-HAMMER, #10250T101-51-M29
H-O-A, E-A-W, T-G-A	SELECTOR SWITCH, 3 POS. MAIN, CUTLER-HAMMER, #10250T1323
S1-O-S2	SELECTOR SWITCH, 3 POS. SPRING RETURN FROM LEFT & RIGHT, CUTLER-HAMMER, #10250T1343

DO NOT SCALE	LEGEND: △ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer: ARI-CAL	Keller Equipment Co. 4706 E. Winslow, Phoenix, AZ 85040 (602)437-3015		
		Job No. 86300	WEST WELL PUMP PANEL LAYOUT		
		Designed: DK	Drawn: HS	Date: 3/4/86	Sheet No. 4 OF 10
				Drawing No. KEC-86300-4B	



- NOTE:
- ① 3" CHANNEL
 - ② 1/4" PLATE OVERLAP W/ CHANNEL

DO NOT SCALE		LEGEND:		Customer: ARI-CAL		Keller Equipment Co.	
		▲ EXTERNAL DEVICE	■ TERMINAL BLOCK	Job No. 86300		4206 E. Winlock, Phoenix, AZ 85040 (602)437-3019	
Designed: DK	Drawn: MS	Date: 1/25/96	Drawing No. KEC-86300-10	WEST WELL PUMP MOUNTING PANEL LAYOUT		Sheet No. 5 OF 10	

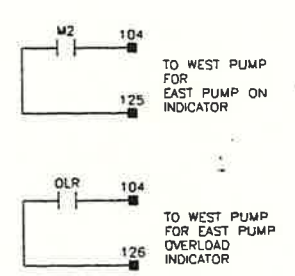
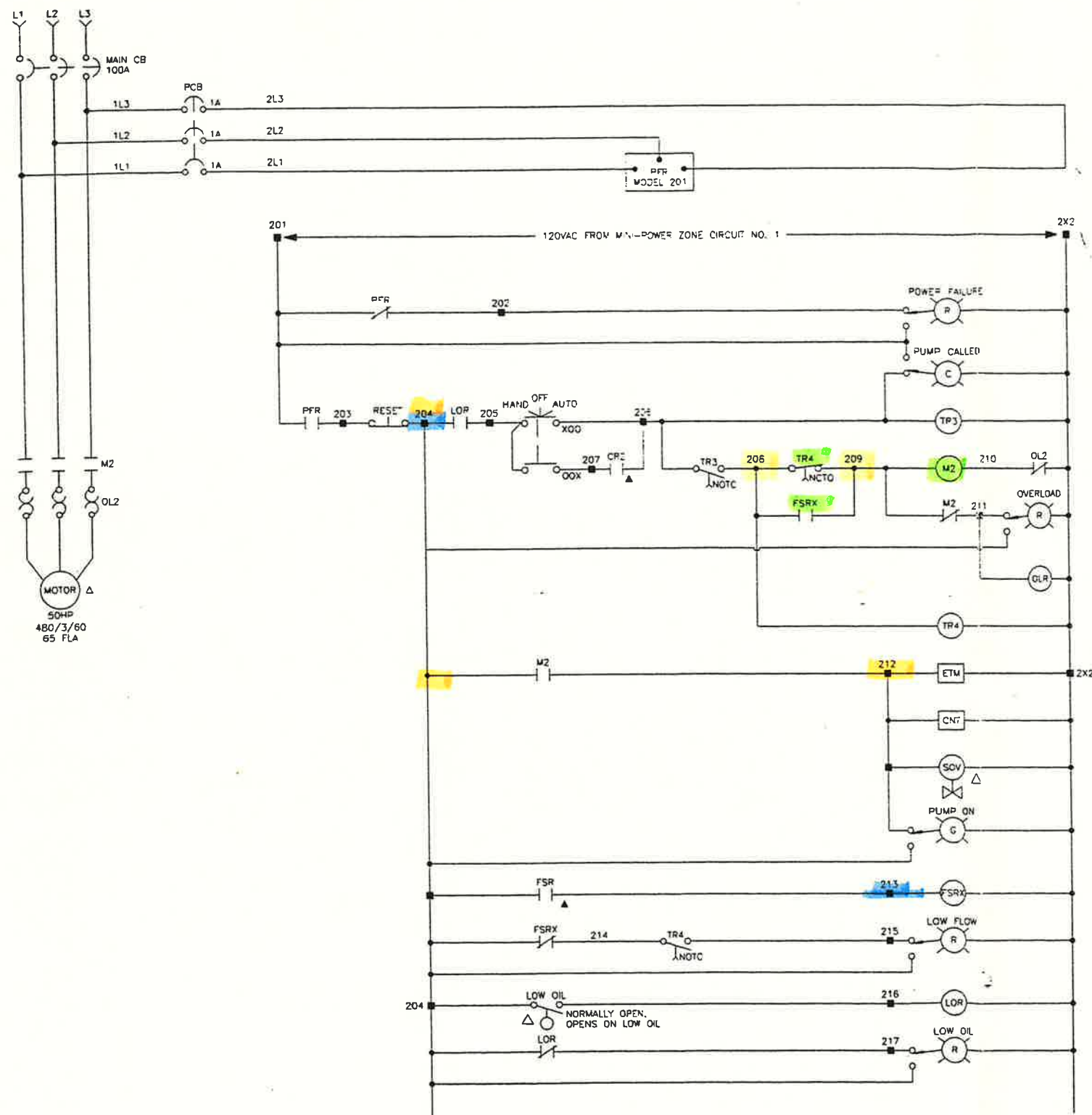


MINI-POWER ZONE PANEL SCHEDULE

- ① METER CABINET, 200A, 3 PHASE, 600V, 4 WIRE, CIRCLE A W, #127TB
- ② SAFETY SWITCH, HEVY-DUTY, NEMA 3R, FUSIBLE, 600VAC, 200A, CUTLER-HAMMER, #DH364NRK
- ③ LIGHTING ARRESTER, 650V, 3 POLE, GENERAL ELECTRIC, 9L15ECC001
- ④ MINI-POWER ZONE, NEMA 3R, 3KVA, 1-PHASE, 60Hz, 480V-120/240V, WESTINGHOUSE, #P48G11S03P

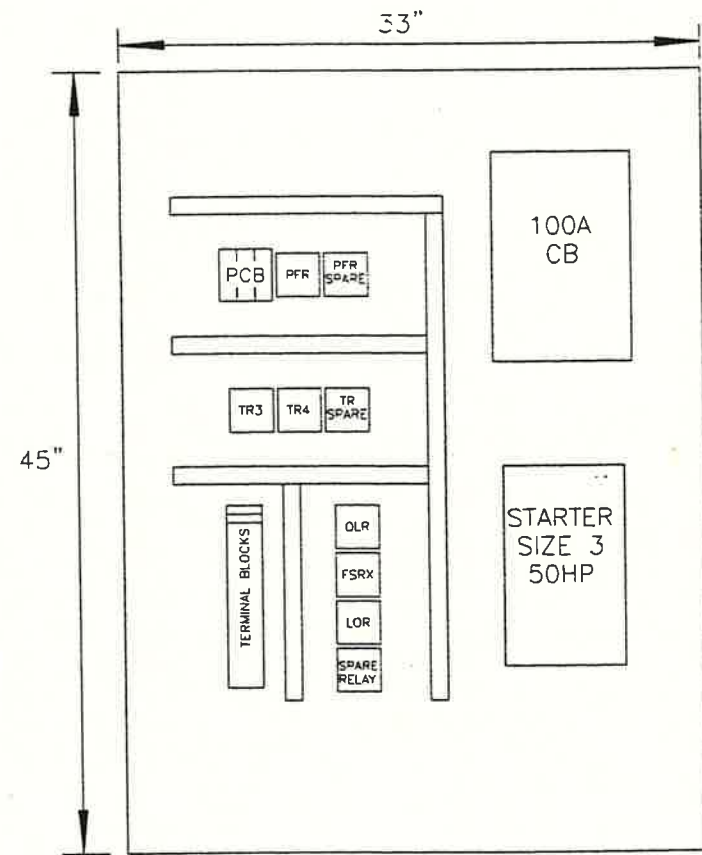
6

LEGEND: △ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer:	ARI-CAL			
	Job No.:	B6300			
	Designed:	Drawn:	Date:	Drawing No.:	Sheet No.:
	DK	MS	2/28/96	KEC-B6300-6	6 OF 10
		Keller Equipment Co. <small>4206 E. Wilson, Phoenix, AZ 85040 (602)437-3015</small>			
		EAST WELL PUMP ONE-LINE			

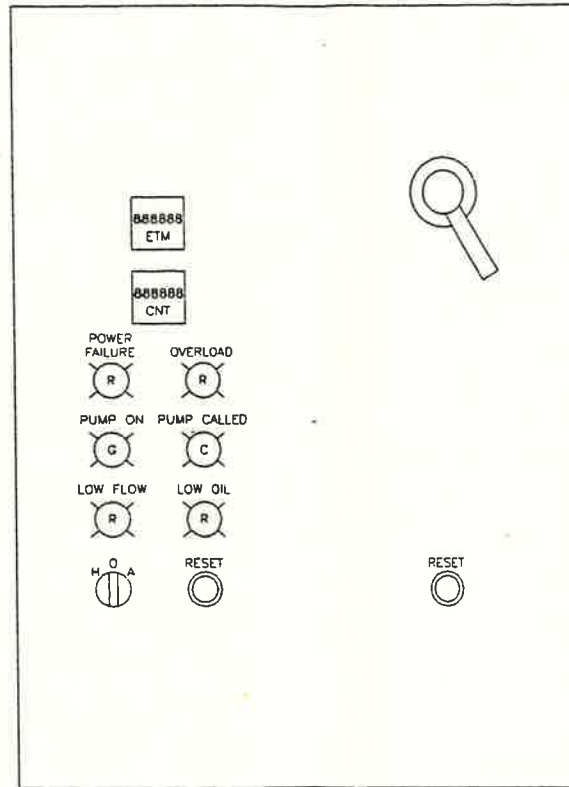


SYMBOL	QTY	DESCRIPTION / MANUFACTURER / PART NO.
CB	1	CIRCUIT BREAKER, THERMAL-MAGNETIC, 600V, 100A, TYPE KDS, WESTINGHOUSE, #KDB310C BREAKER MECHANISM, #5092A62G01 HANDLE, #504C323G03 SHAFT, LONG, #47A4446G37
M2	1	STARTER, SIZE 3, FVNR, 120VAC COIL, OPEN, ALLEN-BRADLEY, #505-DOD AUX. CONTACT, 1NO/1NC, #595-AB
	3	OVERLOAD RELAY, 69A, ALLEN-BRADLEY, #W73
PFR	1	MOTOR PROTECTOR, PLUG-IN, 480V, SYMCOV, #MODEL 201
	1	SOCKET, DIN-RAIL, 8-PIN, 600V, SYMCOV, #OT06
TR3, TR4	2	TIME RELAY, ON DELAY, 120VAC, 0-1023 SECOND, TIME-MARK, #MODEL 360-120V-1023S
	2	SOCKET, 8-PIN, DIN RAIL, DAYTON, #5X852
OLR, FSRX, LOR	3	CONTROL RELAY, PIN PLUG-IN, DPDT, 120V, CUTLER-HAMMER, #MR2F120AC
	3	SOCKET, 8-PIN, DIN RAIL, DAYTON, #5X852
ETM	1	ELAPSED TIME METER, NON-RESET, CRAMER, #6X139
CNT	1	ELECTROMECHANICAL TOTALIZER, 120V, PANEL MOUNTED, 6 FIGURES, REDINGTON, #P2-4B16
H-O-A	1	SELECTOR SWITCH, 3 POSITION MAIN, 2NO, CUTLER-HAMMER, #10250T1323-2-M51
RESET	1	PB OPERATOR, BLACK, NC, CUTLER-HAMMER, #10250T101-51-M29
INDICATOR	6	INDICATING LIGHT, P-T-T, PLASTIC, 120VAC, CUTLER-HAMMER, POWER FAILURE, #10250T221N-C21-M36 PUMP CALLED, #10250T221N-C25-M36 OVERLOAD, #10250T221N-C21-M36 PUMP ON, #10250T221N-C22-M36 LOW FLOW, #10250T221N-C21-M36 LOW OIL, #10250T221N-C21-M36
PCB	1	SUPPLEMENTARY PROTECTOR, CURRENT LIMITING, 277/480V, 3 POLE, 1A, CUTLER-HAMMER, #SPCL3C01

NOTE: ▲ CONTACT LOCATED IN WEST WELL PUMP CONTROL	LEGEND: △ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer: ARI-CAL	Keller Equipment Co. 4208 E. Winkler, Phoenix, AZ 85040 (602)437-3015		
		Job No. 86300	EAST WELL PUMP CONTROL DIAGRAM		
Designer: DK	Drawn: HS	Date: 12/11/95	Drawing No. KEC-86300-2	Sheet No. 7 OF 10	



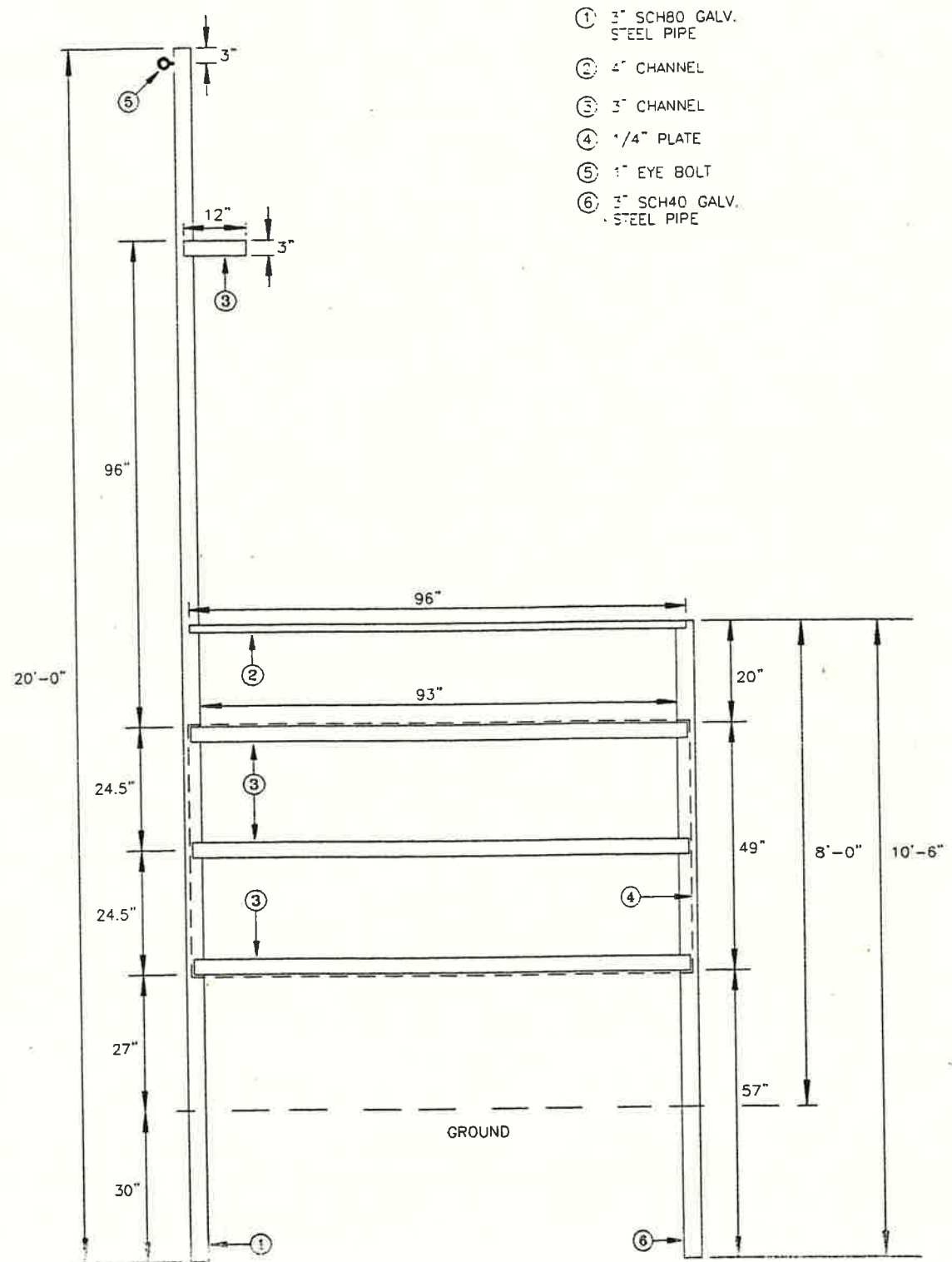
BACK PANEL



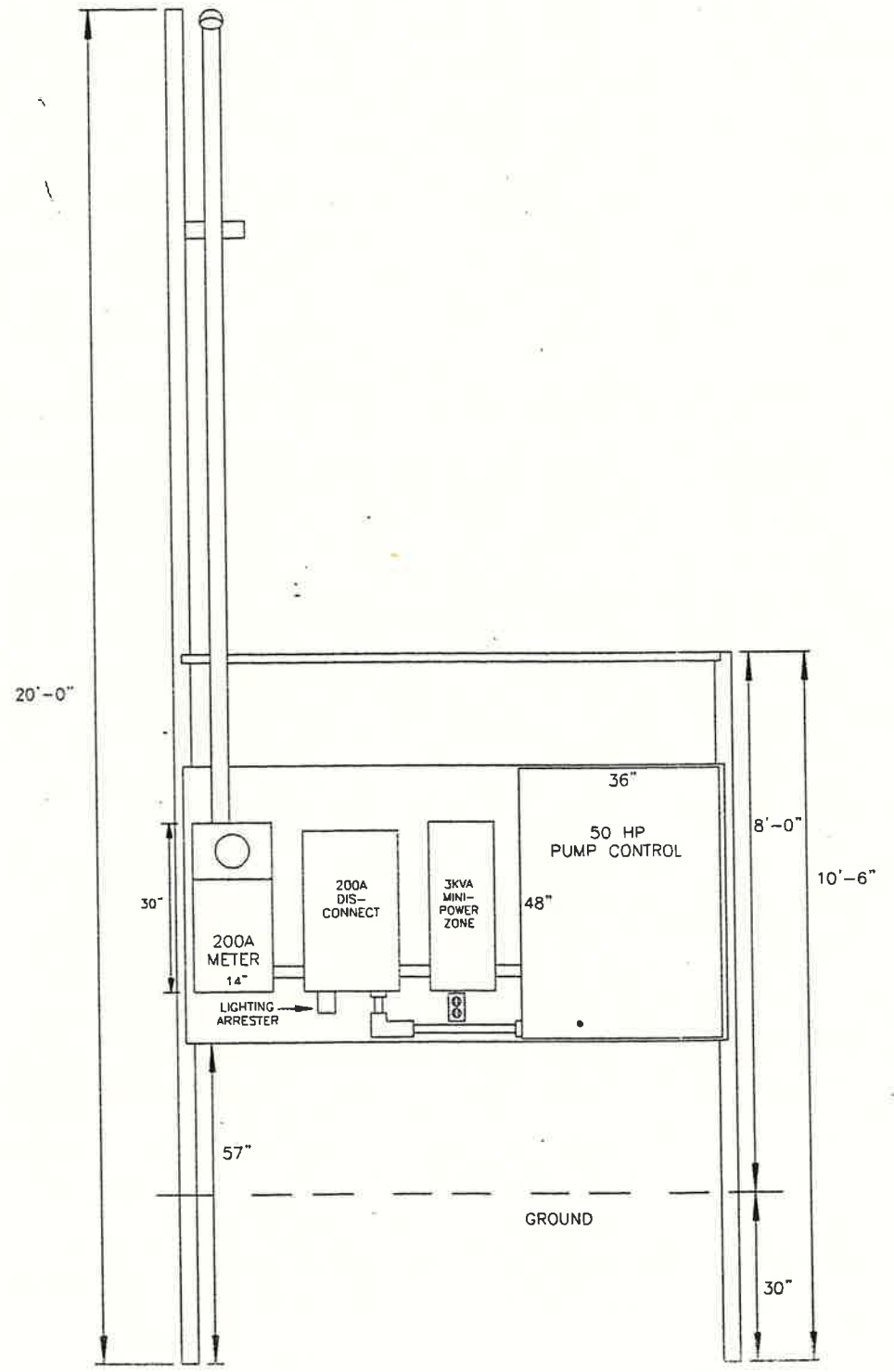
SWING-OUT PANEL

ENCLOSURE	48"x36"x16", NEMA 12, HOFFMAN, #A-483616LP PANEL, #A-48P36 NEMA SWING-OUT KIT, #A-NADFK
CB	THERMAL MAGNETIC BREAKER, TYPE KDB, 600V, 100A, WESTINGHOUSE, #KDB3100 BREAKER MECHANISM, #5092A62G01 HANDLE, #504C323G03 SHAFT, LONG, #47A4446G37
STARTER	STARTER, SIZE 3, 120VAC, ALLEN-BRADLEY, #509-DOD AUX. CONTACT, 1NO/1NC, #595-AB
PFR	MOTOR PROTECTOR, SYMCOM, #MODEL 201
OLR, LOR FSRX	CONTROL RELAY, PLUG-IN, 120VAC, CUTLER-HAMMER, #MR2P120AC SOCKET, 8-PIN DIN RAIL, DAYTON, #5X852
TR3, TR4	TIME RELAY, ON DELAY, 0-1023S, TIMEMARK, #MODEL 360-120V-1023S
LIGHT INDICATOR	PILOT LIGHT, PUSH-TO-TEST, 120VAC, CUTLER-HAMMER, #1250T22-N-C21, C22, C25
ETM	ELAPSED TIME METER, NON-RESET, CREAMER, #6X139
CNT	ELECTROMECHANICAL TOTALIZER, REDINGTON, #P2-4816
PUSH BUTTONS	PUSH BUTTON OPERATORS, RESET, CUTLER-HAMMER, #10250T101-51-M29
HOA	SELECTOR SWITCH, 3 POS. MAIN, CUTLER-HAMMER, #10250T1323-2-M51

LEGEND: △ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer:	ARI-CAL			Keller Equipment Co. 4206 E. Watson, Phoenix, AZ 85040 (602)437-3015		
	Job No.	86300			EAST WELL PUMP PANEL LAYOUT		
	Design:	Dk	Drawn:	HS	Date:	2/28/96	
					Revising No.:	KEC-86300-3	Sheet No.:



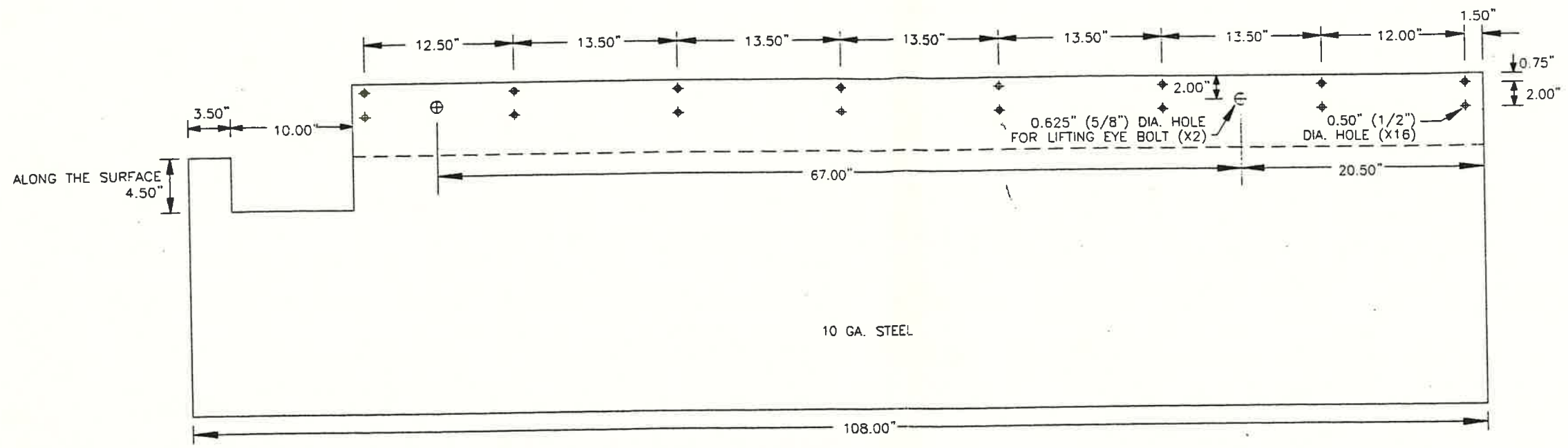
- ① 3" SCH80 GALV. STEEL PIPE
- ② 4" CHANNEL
- ③ 3" CHANNEL
- ④ 1/4" PLATE
- ⑤ 1" EYE BOLT
- ⑥ 3" SCH40 GALV. STEEL PIPE



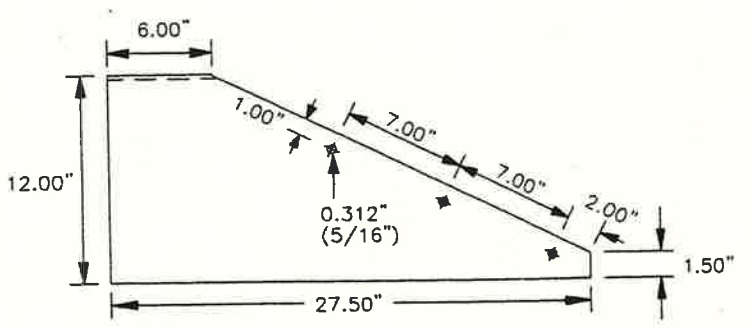
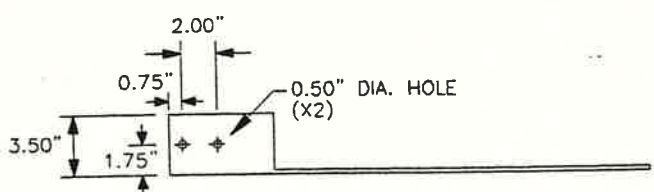
LEGEND: ▲ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer:	ARI-CAL			
	Job No.	86300			
	Designed:	Drawn:	Date:	Drawing No.	Sheet No.
	DK	HS	3/11/96	KEC-86300-7	9 OF 10

Keller Equipment Co.
 4208 E. Winslow Phoenix, AZ 85040 (602)437-3015

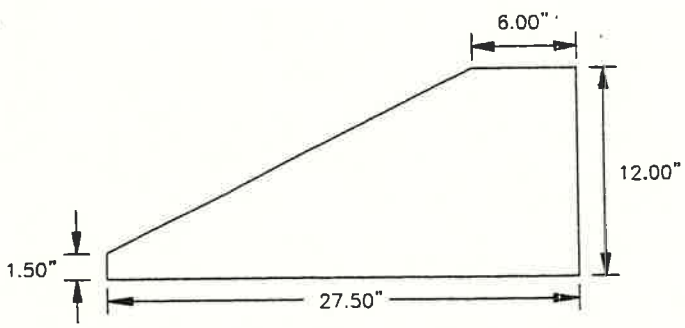
EAST WELL PUMP BOARD LAYOUT



TOP VIEW



LEFT SIDE (BOLTED)



RIGHT SIDE (WELDED)

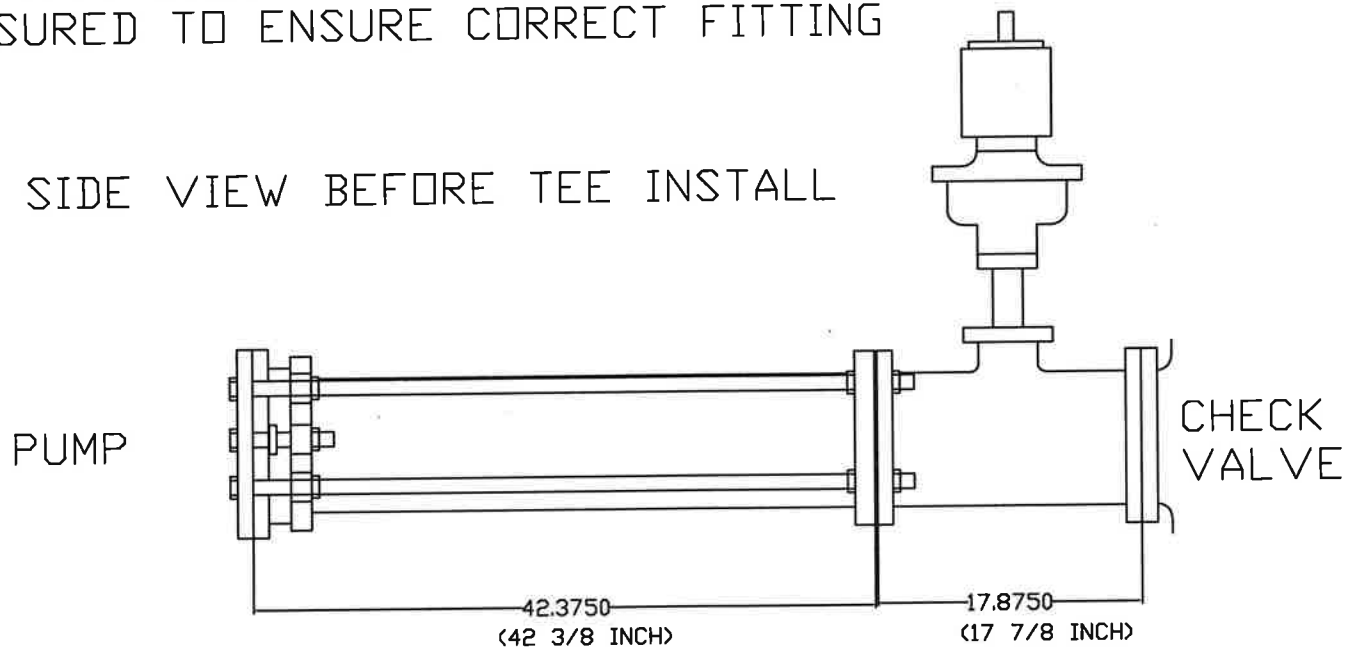
DO NOT SCALE	LEGEND: ▲ EXTERNAL DEVICE ■ TERMINAL BLOCK	Customer: ARI-CAL	Keller Equipment Co. 4208 E. Wilson, Phoenix, AZ 85040 (602)437-3015		
		Job No. 86300	EAST WELL ROOF STRUCTURE		
		Designed: JK	Drawn: HS	Date: 3/9/96	Sheet No. KEC-86300-11 10 OF 10

East Well DWPCV Installation

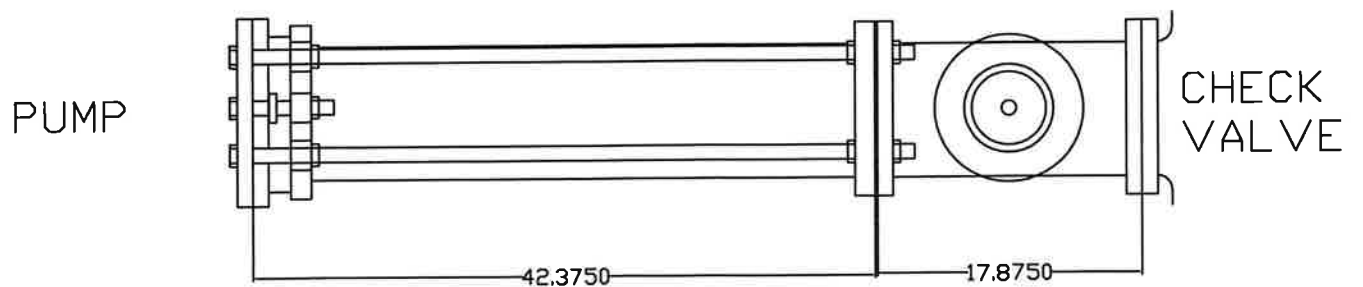
CHEMEHUEVI EAST WELL DWPCV INSTALLATION

ALL MEASUREMENTS IN INCHES
ALL COMPONENTS SHOULD BE FIELD
MEASURED TO ENSURE CORRECT FITTING

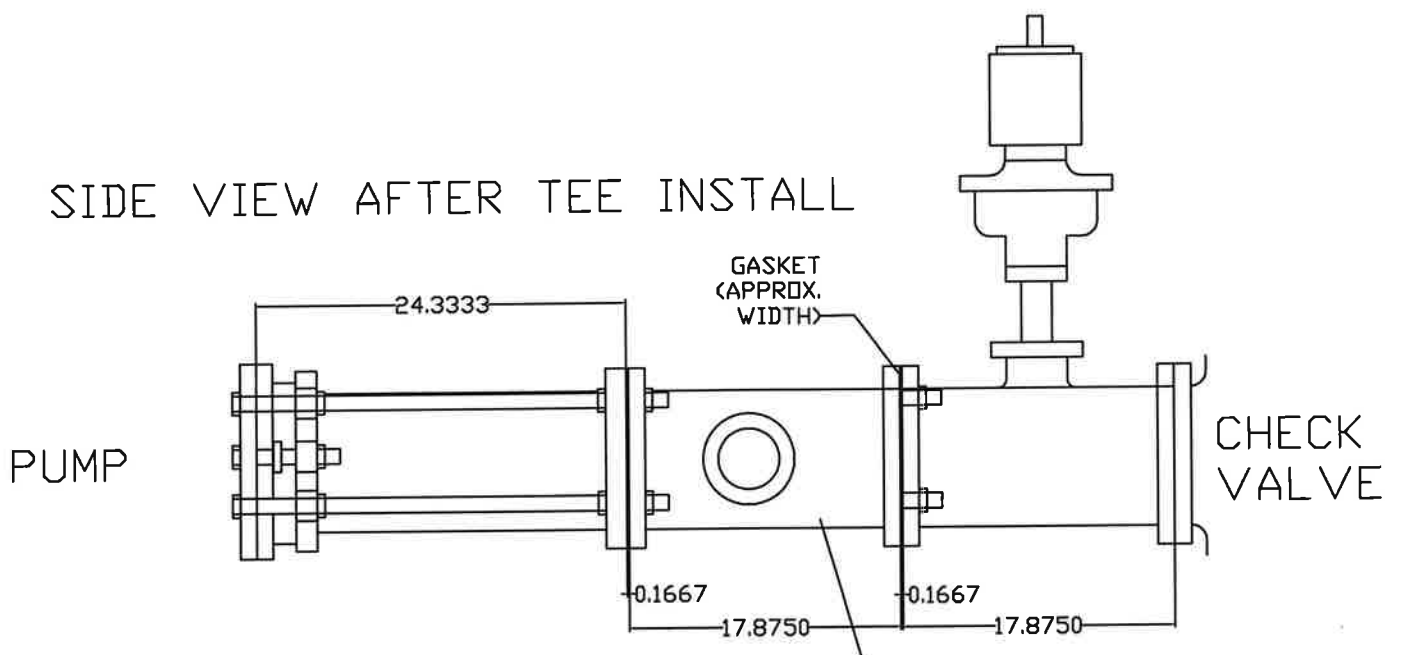
SIDE VIEW BEFORE TEE INSTALL



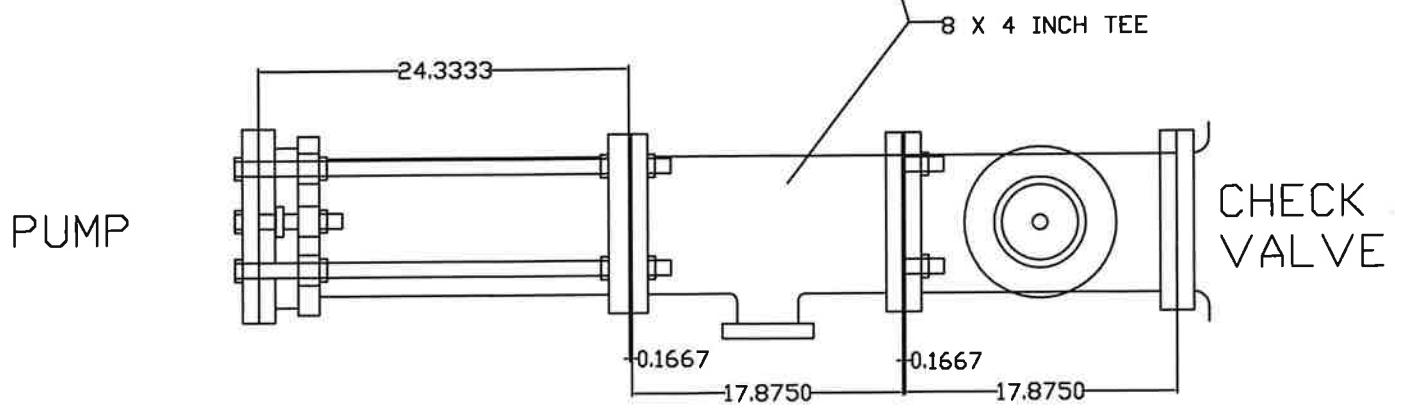
TOP VIEW BEFORE TEE INSTALL



SIDE VIEW AFTER TEE INSTALL



TOP VIEW AFTER TEE INSTALL



TOP VIEW AFTER TEE INSTALL
AND DWPVC VALVE AND
COMPONENTS INSTALL

