

# CITY OF RIDGELAND

## MADISON COUNTY, MISSISSIPPI

### WEST WATER SUPPLY WELL AND APPURTENANCES

MAYOR

GENE F. McGEE

MAYOR PRO TEM

HARVEY CARR, JR.

CITY ATTORNEY

JERRY MILLS

BOARD OF ALDERMEN

BRIAN BARCELLONA  
AL BIBLE  
HARVEY CARR, JR.  
LINDA DAVIS  
DARYL SMITH

PUBLIC WORKS DIRECTOR

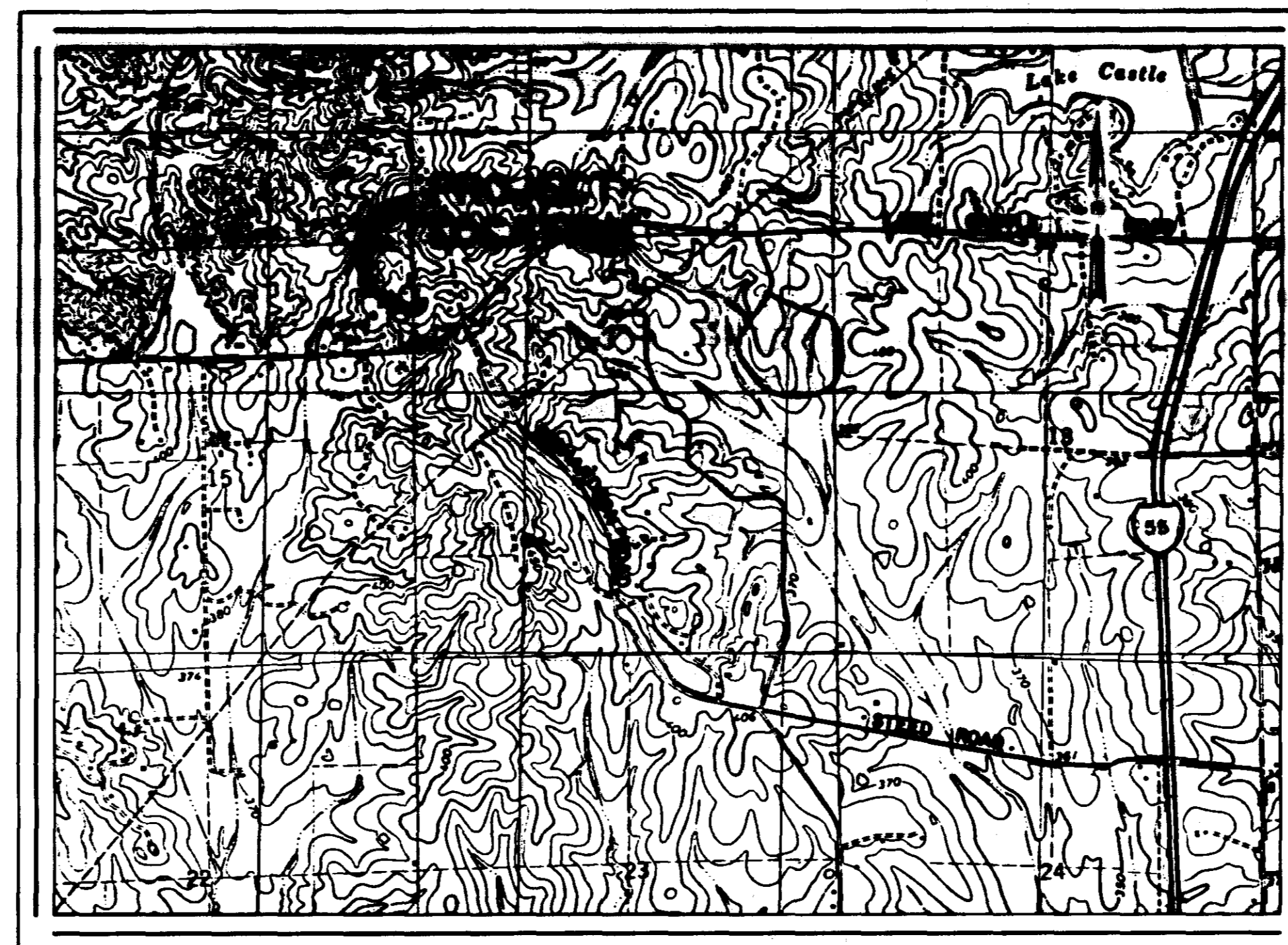
SAM VINSON, P.E.

ASSISSTANT PUBLIC WORKS DIRECTOR

SID HAWTHORNE

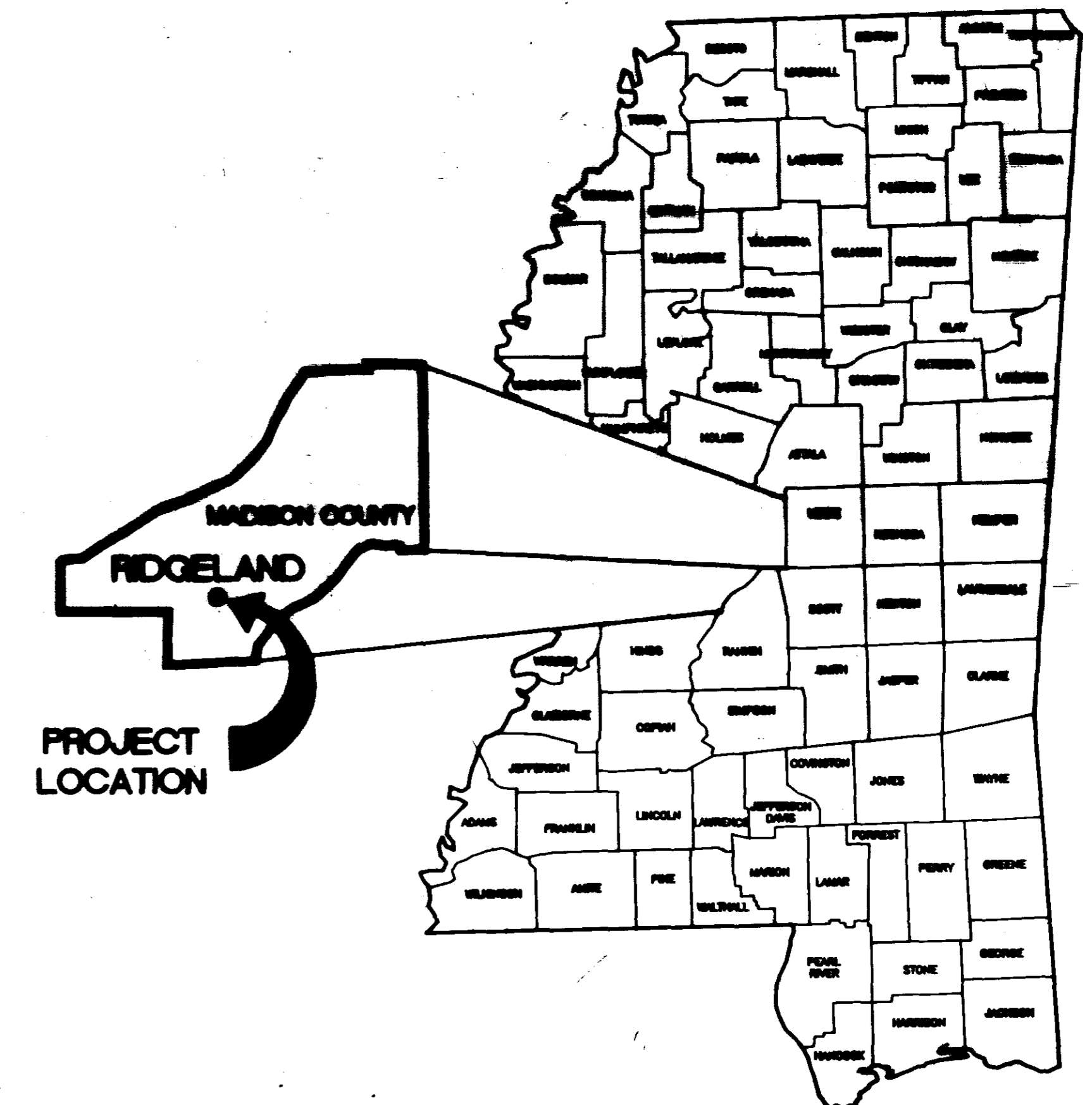
CITY CLERK

MICHAEL McPHEARSON



VICINITY MAP

APRIL 1992



LOCATION MAP

PREPARED BY :

**NEEL-SCHAFFER, INC.**  
ENGINEERS \* PLANNERS  
Jackson, Mississippi

DATE: APR 1992

JOHN G. SOBAM, P.E.  
MISSISSIPPI LICENSE NO. 6764

THE CITY OF  
  
RIDGELAND

ENGINEERING  
DRAWING

PWP-05021

# INDEX TO DRAWINGS

1. COVER
2. INDEX TO DRAWINGS, GENERAL NOTES AND LEGEND
3. WELL SITE PLAN
4. WELL DETAILS
5. EQUIPMENT HOUSING DETAILS
6. ELECTRICAL PLAN
7. PIPE DETAILS, APPURTENANCES AND WATER SUPPLY LINES
- △ 8. WELL DATA

# LEGEND

	FENCE
	POWER POLE
	ELECTRICAL CONDUIT (UNDERGROUND)
	WATER SUPPLY LINE
	CHLORINE SUPPLY LINE
	GLOBE VALVE
	BALL VALVE
	GATE VALVE
	CHECK VALVE
	CORPORATION STOP
	EXIST. CONC. SLAB
	GROUND LINE
	WASHED GRAVEL w/VAPOR BARRIER ON TOP
	CONCRETE MASONARY UNIT - CONC. BLOCK WALL
	GALVANIZED ANCHOR BOLT
	WELDED WIRE FABRIC CONC. REINF.
	REINFORCING BAR w/SIZE
	NOTATION MARKS
	EXISTING
	PROPOSED
	COUPLING
	EXISTING CONTOUR
	PROPOSED CONTOUR

# GENERAL NOTES

1. ALL DIMENSIONS SHOWN ON THE PLANS (SCALED OR COMPUTED), OR STAKED IN THE FIELD, SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN THE EVENT THE CONTRACTOR DISCOVERS ANY APPARENT ERROR OR DISCREPANCY, HE SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING, REQUESTING HIS INTERPRETATION AND THE ENGINEER WILL MAKE SUCH CORRECTIONS AND DECISIONS IN WRITING AS MAY BE DEEMED NECESSARY TO CARRY OUT THE INTENT OF THE PLANS.
2. THE CONTRACT DRAWINGS ARE SCHEMATIC AND MAY SHOW PLUMBING AND PIPING IN A GENERAL WAY ONLY, AND ALL PIPING AND DETAILS ARE NOT NECESSARILY SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH COMPLETE MATERIALS AND COMPLETE ALL WORK NECESSARY FOR A SATISFACTORY INSTALLATION.
3. PIPING ROUTES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. PIPE BRACKETS SHALL BE SPACED TO INSURE THAT NO SAG IS ALLOWED IN THE PIPE AND ON BOTH SIDES OF ALL FITTINGS INCLUDING UNIONS. MAXIMUM ALLOWABLE SPACING BETWEEN BRACKETS SHALL NOT EXCEED 5'-0"
4. ELECTRICAL CONDUIT AND WATER LINES INSTALLED UNDERGROUND SHALL HAVE A MINIMUM OF 2'-0" OF COVER UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
5. CORPORATION STOPS SHALL BE 1/2-INCH (MINIMUM) FORD TYPE F700 OR F600 FOR COPPER TUBING OR F1102 OR F1101 FOR PVC OR APPROVED EQUAL.
6. COPPER TUBING SHALL BE HARD DRAWN COPPER CONFORMING TO ASTM B88, TYPE L FOR EXPOSED SERVICE OR ANNEALED COPPER TUBE ASTM B88, TYPE K, FOR UNDERGROUND SERVICE.
7. FITTINGS FOR COPPER TUBING SHALL BE WROUGHT COPPER CONFORMING TO ADTM B75 AND ANSI B16.22 FOR NON-LEAD SOLDER JOINTS. △
8. PVC PIPE SHALL BE SCHEDULE 80, SOLVENT WELD JOINTS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
9. GLOBE VALVES SHALL BE BRONZE BODY, RISING STEM, THREADED END, FIGURE 180, AS MANUFACTURED BY W.M. POWELL COMPANY, OR APPROVED EQUAL.
10. TAPPING SADDLES SHALL BE DRESSER STYLE 281 OR APPROVED EQUAL.
11. ALL PLUMBING, INCLUDING WATER LINES, ABOVE GROUND EITHER INSIDE OR OUTSIDE OF BUILDINGS SHALL BE INSULATED WITH 1-INCH THICK THERMOZIP SERIES 375 INSULATION (INCLUDING FITTINGS FOR ALL VALVES, ETC.) OR APPROVED EQUAL.

## ABBREVIATIONS

DWG.	DRAWING
EX. OR EXIST.	EXISTING
T.B.R.	TO BE REMOVED
U.G.	UNDERGROUND
I.A.W.	IN ACCORDANCE WITH
W.W.F.	WELDED WIRE FABRIC
CORP.	CORPORATION
D.I.P.	DUCTILE IRON PIPE
M.J.	MECHANICAL JOINT PIPE
REQ'D.	REQUIRED
DET.	DETAIL
O.D.	OUTSIDE DIAMETER
E.W.O.C.	EACH WAY ON CENTER
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
ADJ.	ADJUSTMENT
R.	RADIUS
P.P.	POWER POLE
OPG.	OPENING
S/W	SIDEWALK
MOD.	MODIFICATION
N.T.S.	NOT TO SCALE
A.W. BLDG.	ALL WEATHER BUILDING

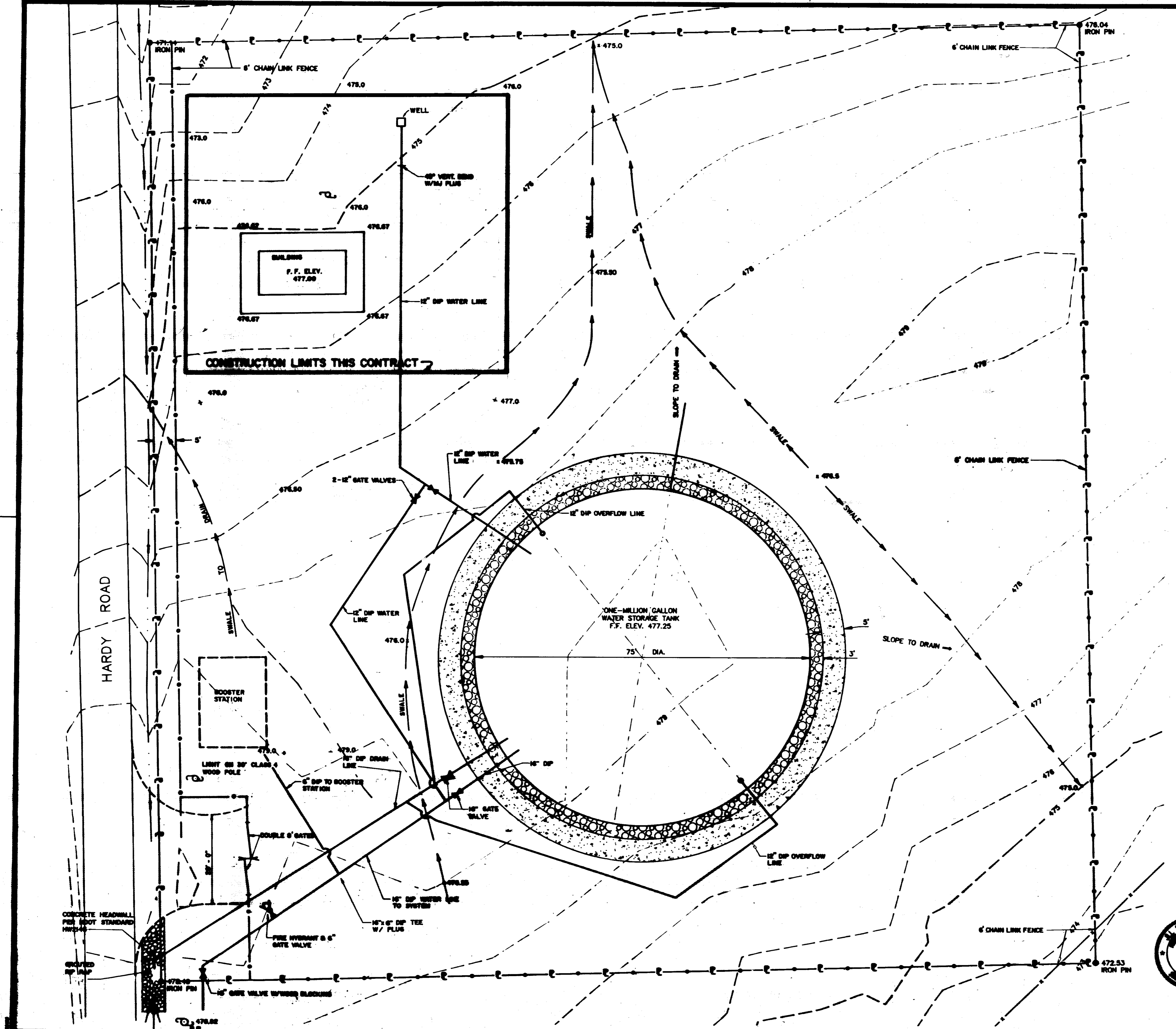
RECORD DRAWING

DATE 3/1/84 BY [Signature]

1	5-08-92	ADDED DWG. 8; CHANGED FROM SILVER BRAZED JOINT
REV.	DATE	DESC.
<b>WEST WATER SUPPLY WELL AND APPURTENANCES</b>		
<b>INDEX TO DRAWINGS, GENERAL NOTES AND LEGEND</b>		
<b>CITY OF RIDGELAND, MISSISSIPPI</b>		
DESIGNER: [Signature]	DATE: 5-7-92	DRAWING NO. 21 of 8
CHECKED: SDO	DATE: 4-27-92	NEEL-SCHAFFER, INC.
OWNER: CDS	DATE: 4-27-92	ENGINEERS - PLANNERS
SCALE: N/A		JACKSON, MISSISSIPPI

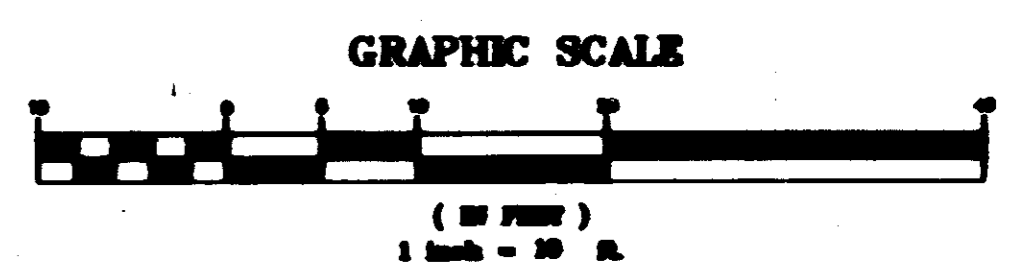


1913-001.DWG (01X.001.05)



--- 475 --- EXISTING CONTOURS  
 --- 475.0 --- FINISH ELEVATION

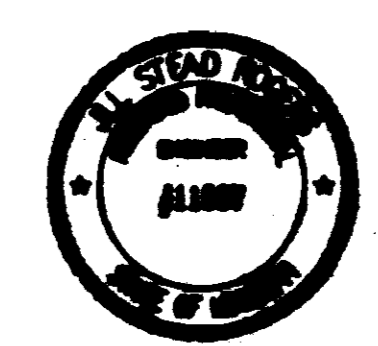
RECORD DRAWING  
 DATE *2/14/08* BY *[Signature]*



WEST WATER SUPPLY WELL  
 AND APPURTENANCES

WELL SITE PLAN

CITY OF RIDGELAND, MISSISSIPPI



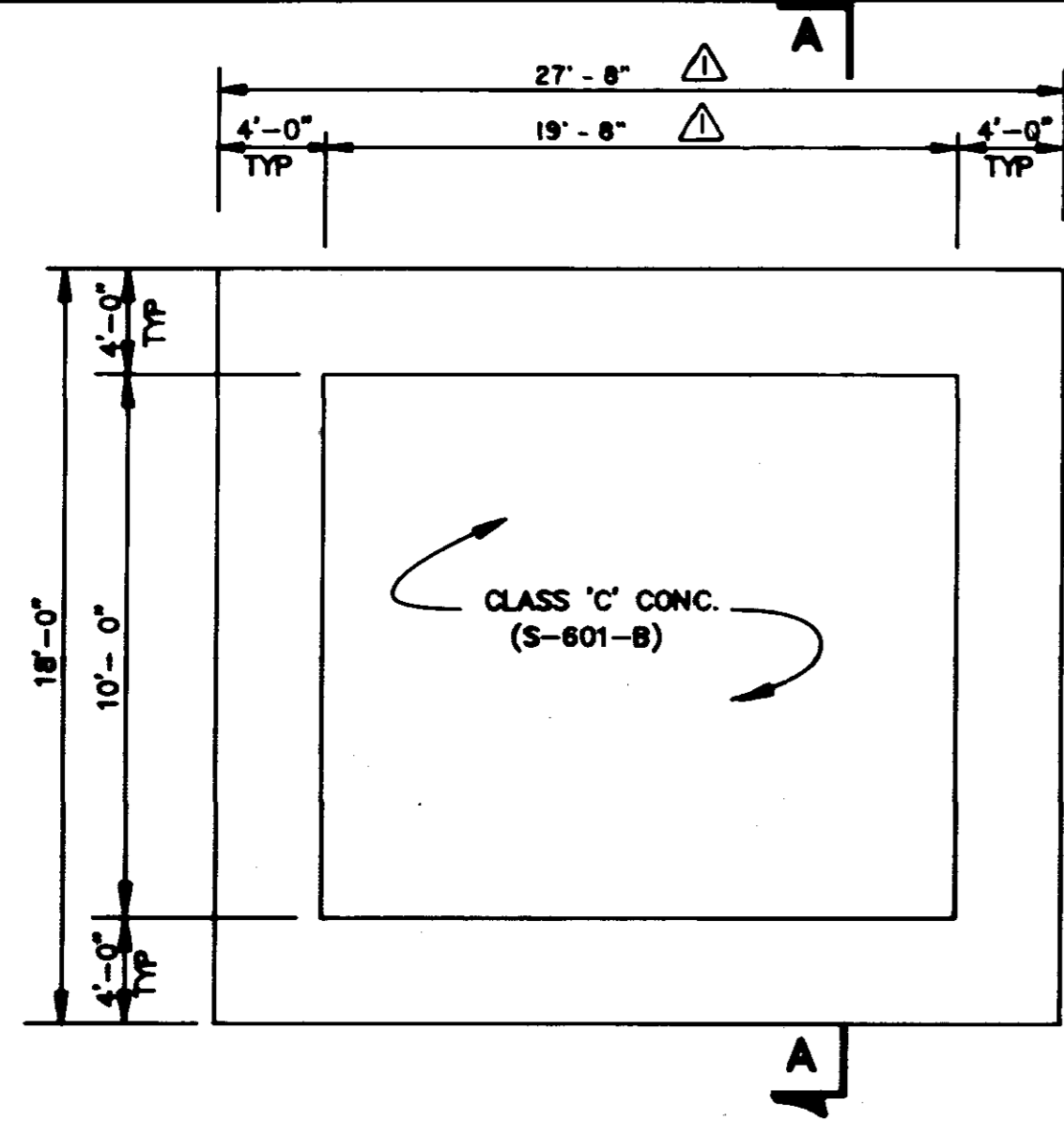
DESIGNED BY: [Signature]  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 APPROVED BY: [Signature]

ISSUED: 2/14/08

NOEL-SCHAFFER, INC.  
 ENGINEERS & ARCHITECTS  
 1000 N. GULF BLVD.  
 SUITE 100  
 MEMPHIS, TN 38103  
 PHONE: 901-525-1100  
 FAX: 901-525-1101  
 WWW.NS-INC.COM

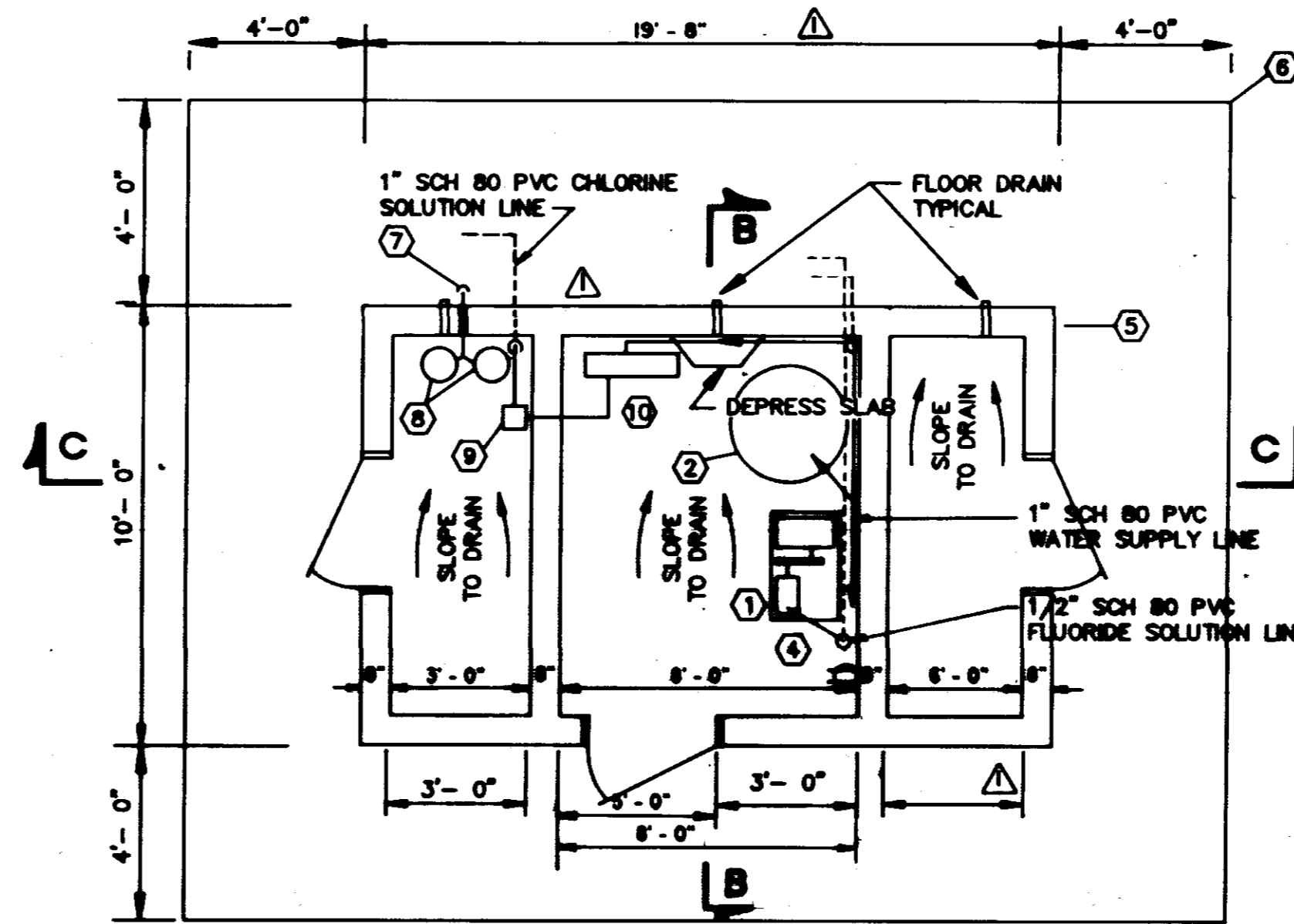
31 of 8



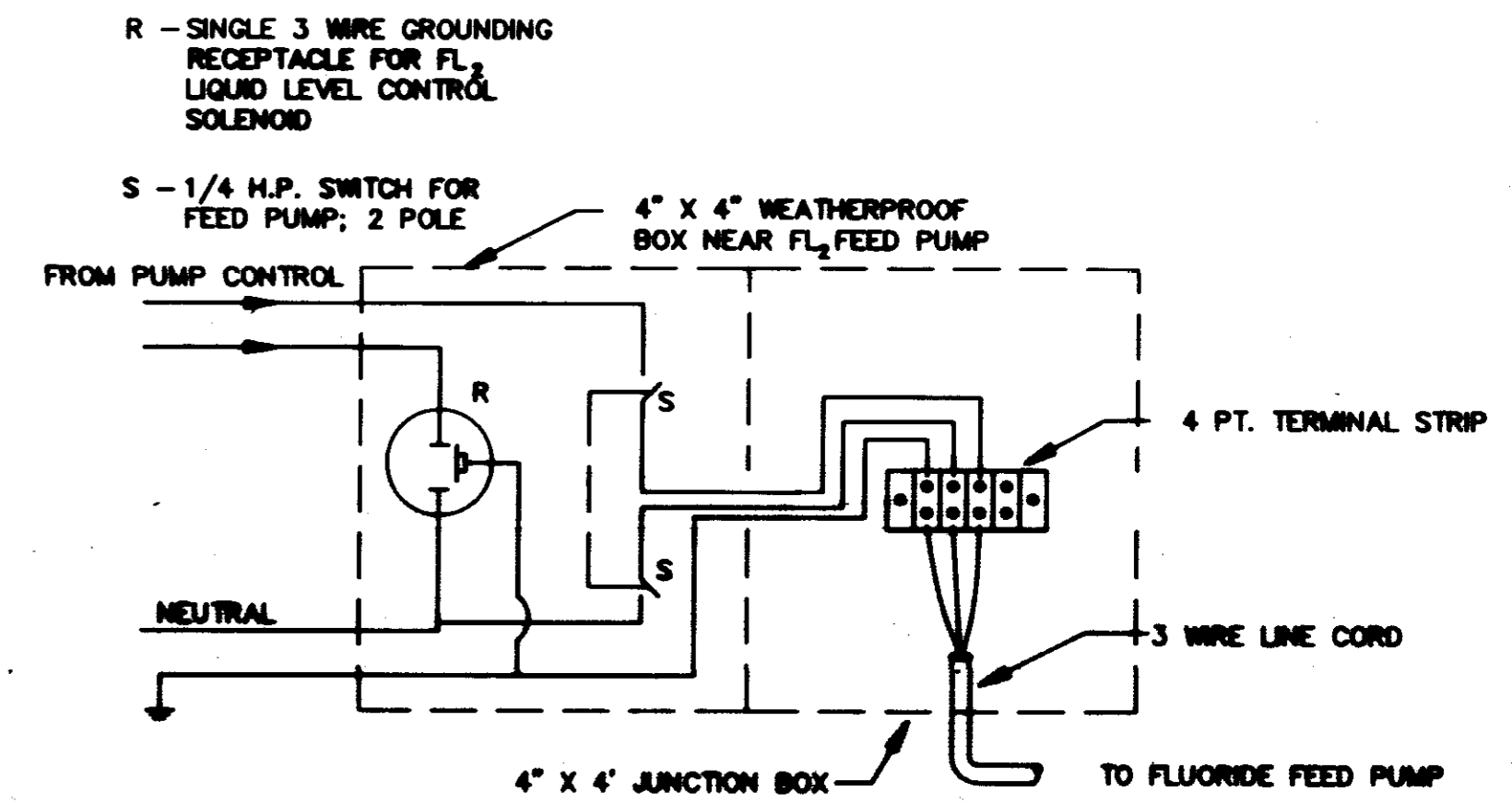


**FOUNDATION PLAN**  
N.T.S.

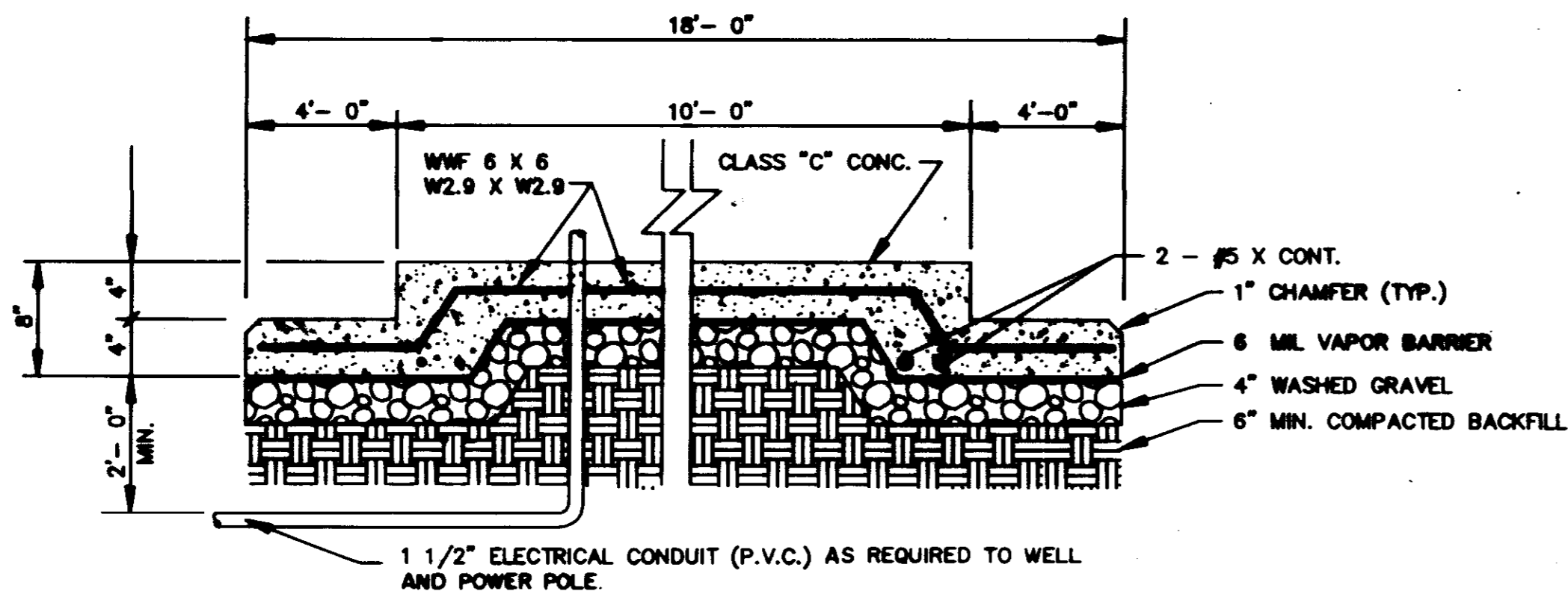
- ① NEW SOLUTION PUMP AND TABLE
- ② NEW SOLUTION TANK
- ③ CIRCUIT FOR FLUORIDATION SYSTEM
- ④ NEW TYPE "B" BLDG.
- ⑤ LINE OF SLAB FOR NEW EQUIPMENT BLDG.
- ⑥ CHLORINE VENT
- ⑦ CHLORINE CYLINDERS W/CHLORINATOR
- ⑧ CHLORINE INJECTOR
- ⑨ CHLORINE BOOSTER PUMP
- ⑩ CHECK VALVE



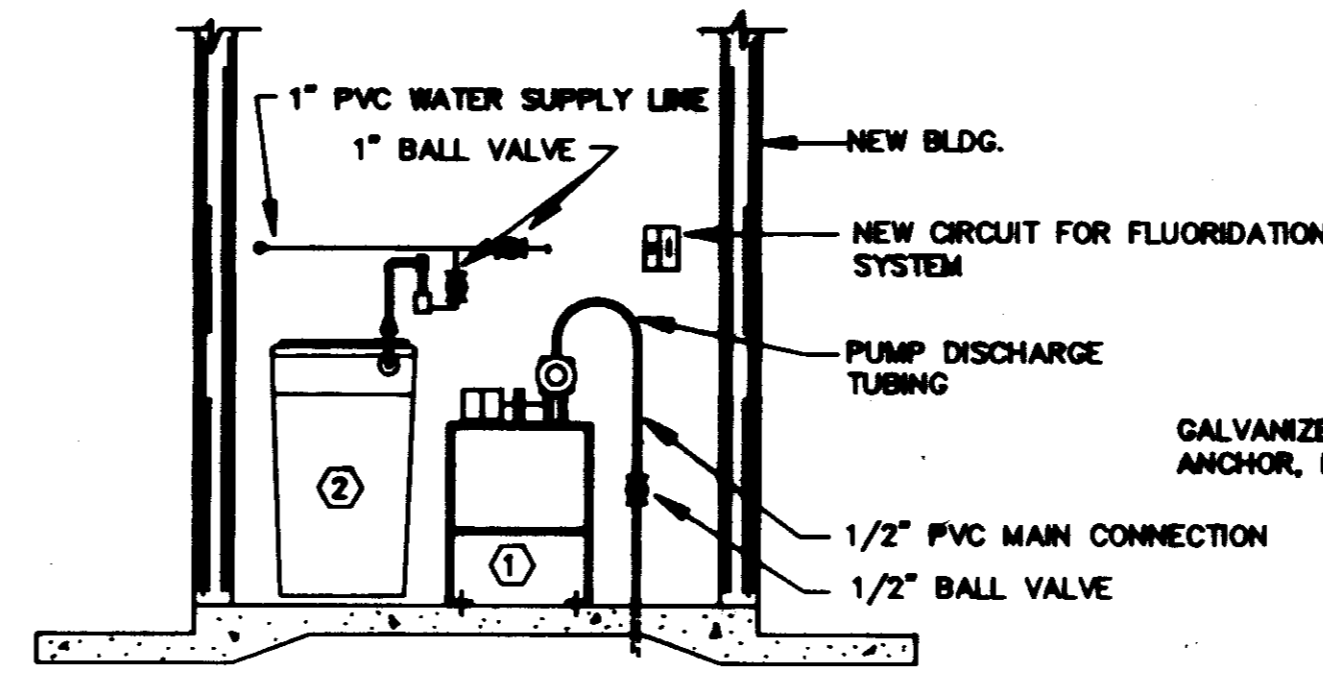
**FLOOR PLAN - CHEMICAL EQUIPMENT**  
N.T.S.



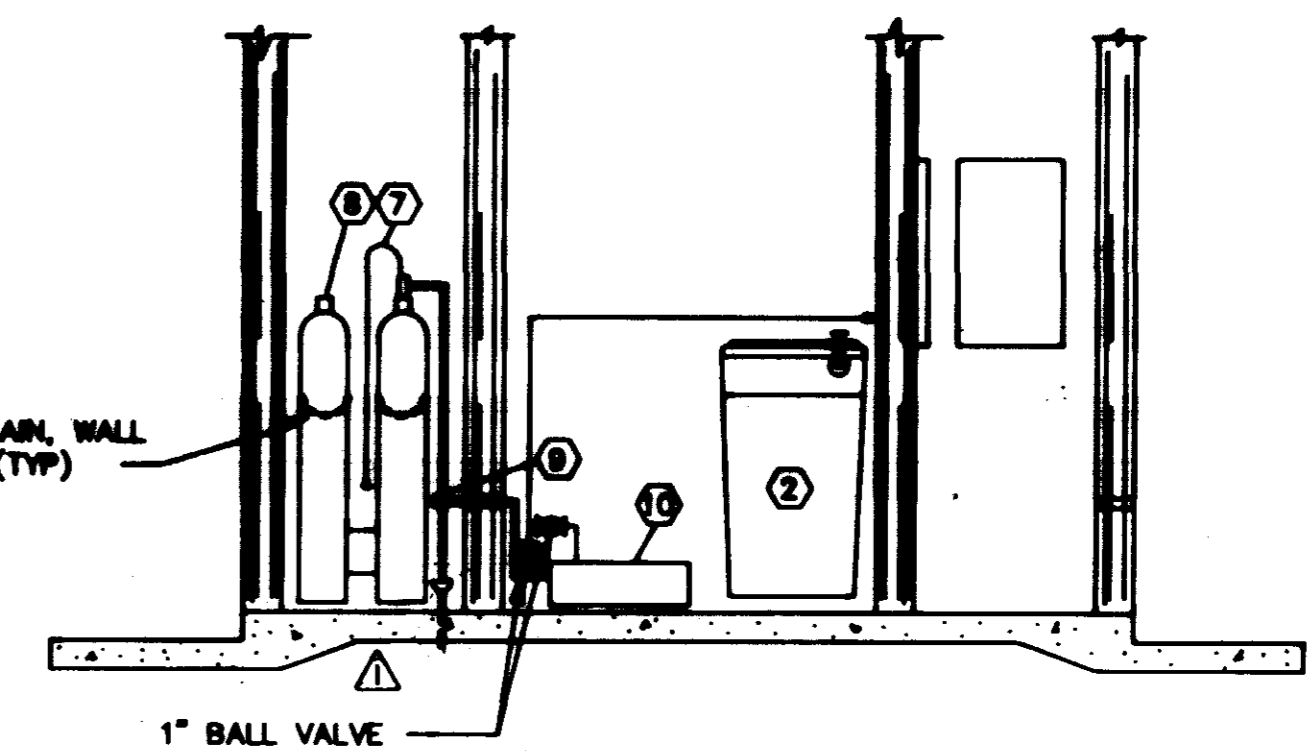
**FLUORIDE EQUIPMENT ELECTRICAL DETAIL**  
N.T.S.



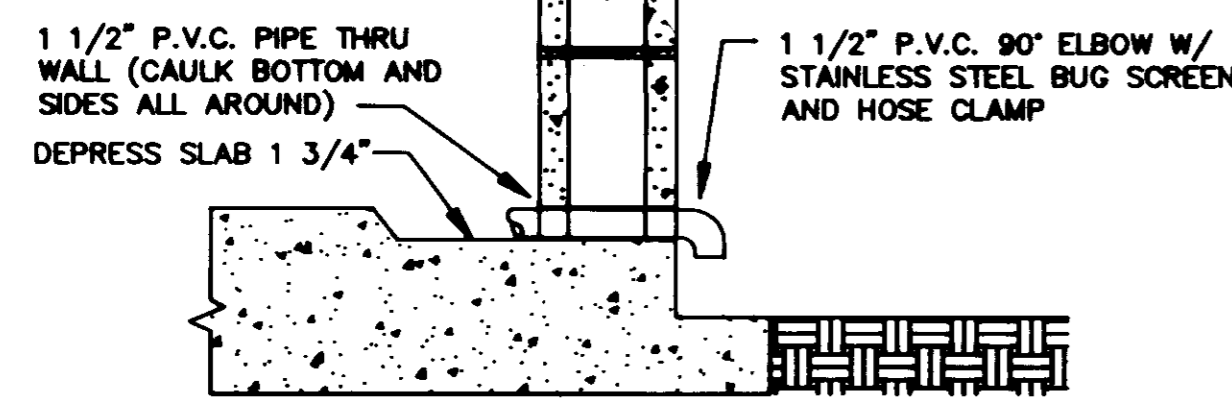
**SECTION A-A**  
N.T.S.



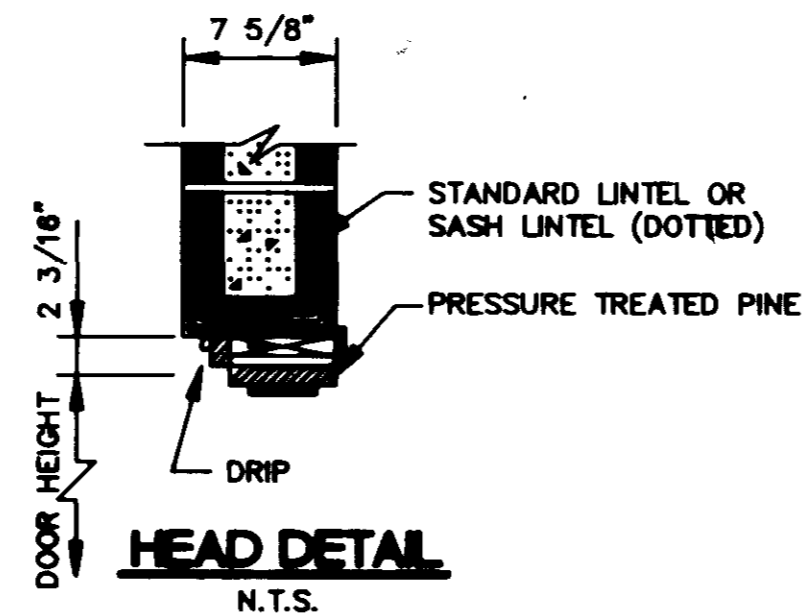
**SECTION B-B**  
N.T.S.



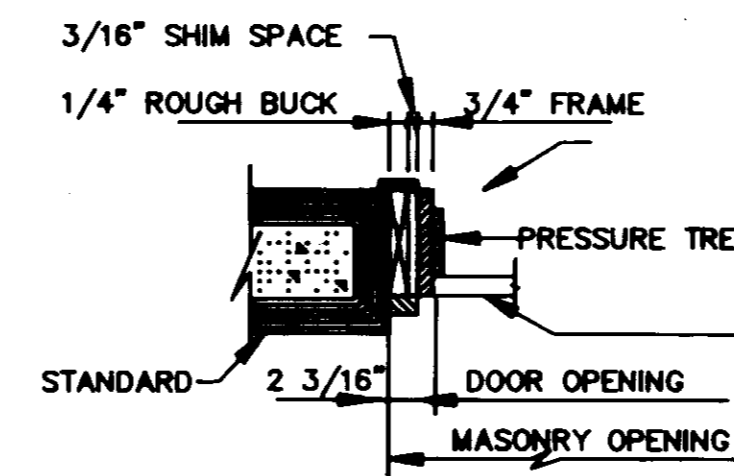
**SECTION C-C**  
N.T.S.



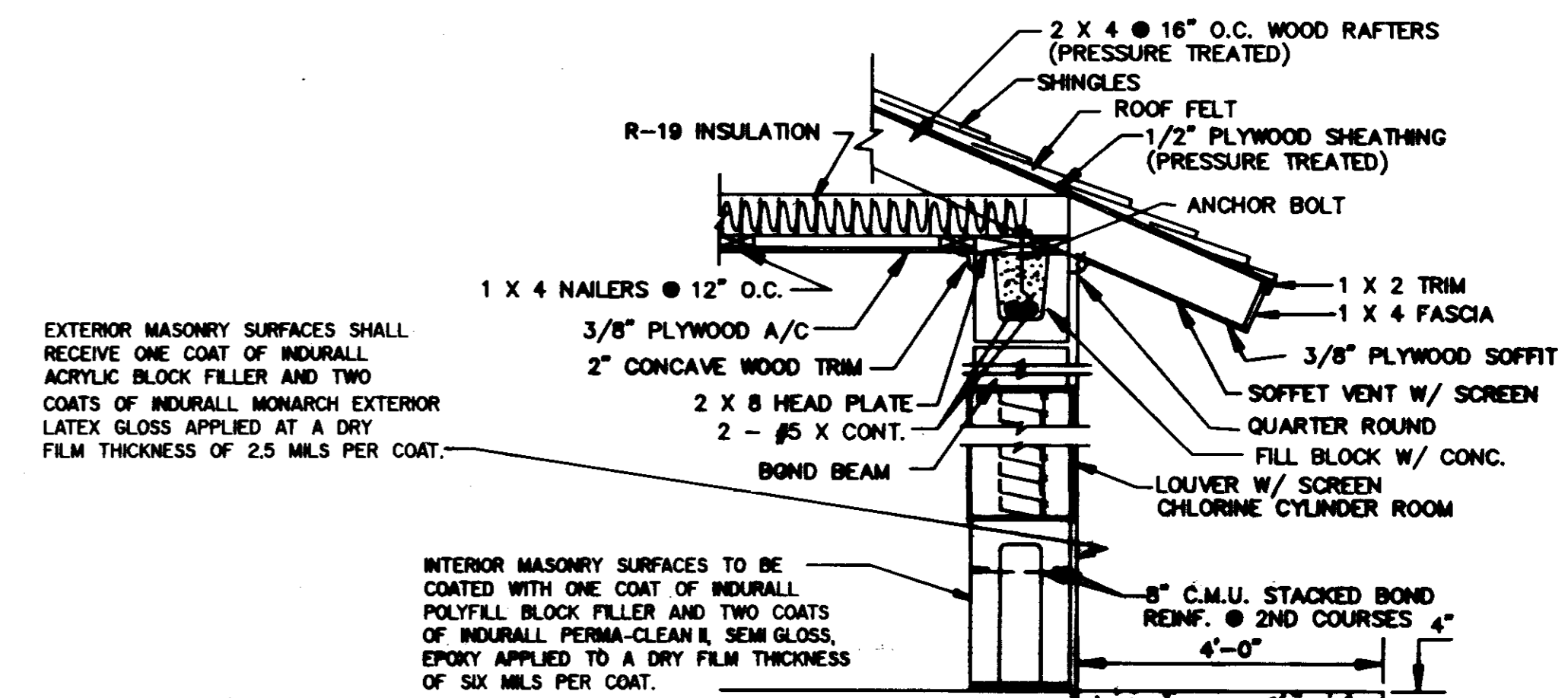
**1 1/2" PVC DRAIN LINE DETAIL**  
N.T.S.



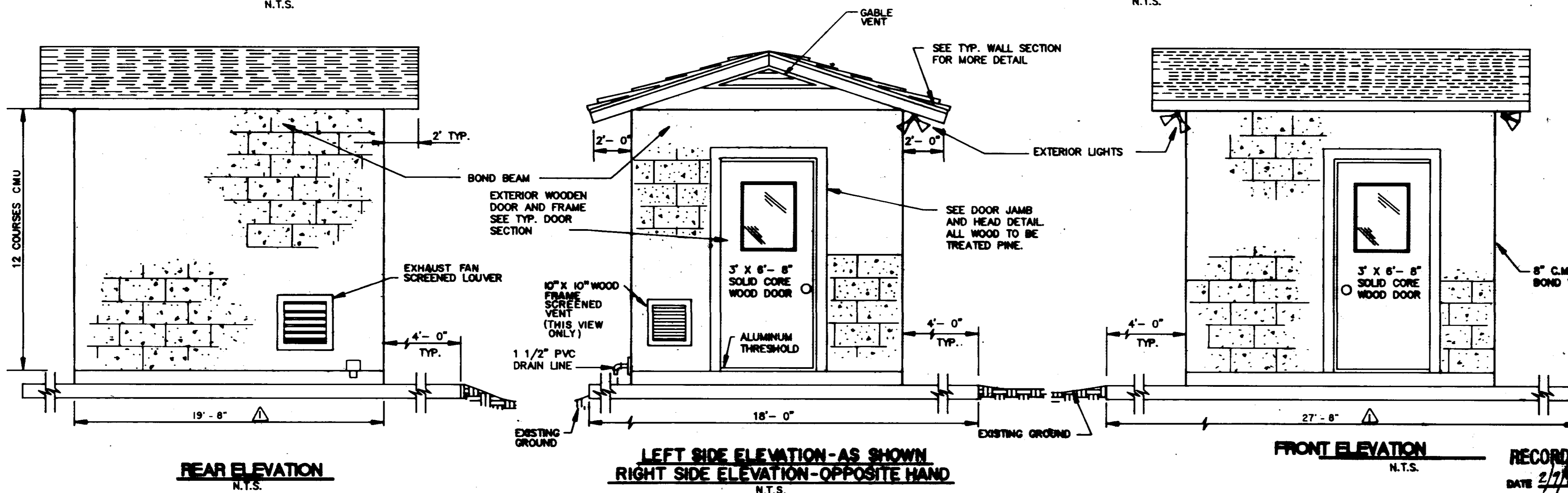
**HEAD DETAIL**  
N.T.S.



**JAMB DETAIL**  
N.T.S.



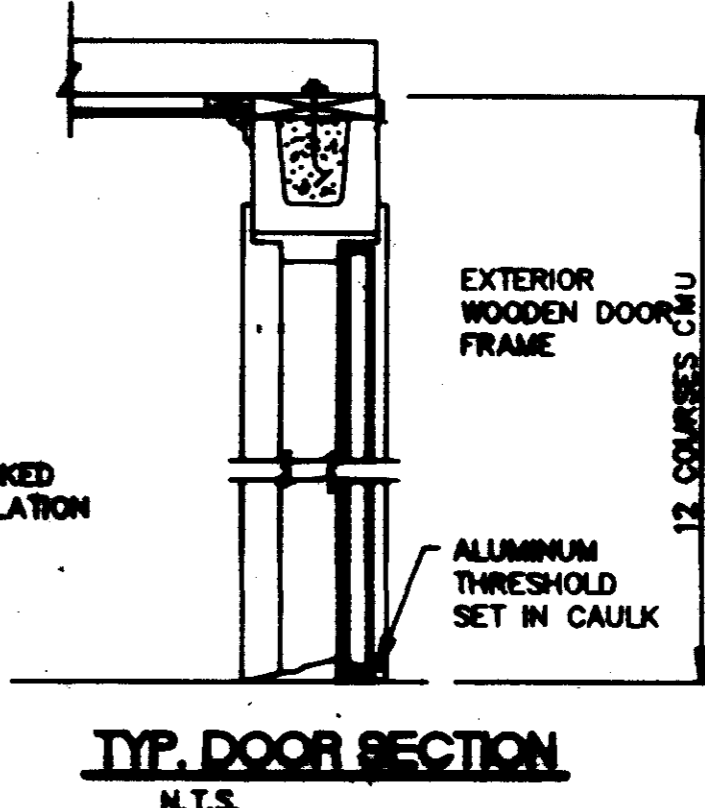
**TYP. WALL SECTION**  
N.T.S.



**REAR ELEVATION**  
N.T.S.

**LEFT SIDE ELEVATION - AS SHOWN  
RIGHT SIDE ELEVATION - OPPOSITE HAND**  
N.T.S.

**FRONT ELEVATION**  
N.T.S.



**TYP. DOOR SECTION**  
N.T.S.

RECORD DRAWING  
DATE 2/1/84 BY [Signature]

REV.	DATE	DESCRIPTION
1	8-08-82	ADDED 1'-0" TO DIM.; CHANGED NOTE, MOD. CHLOR. EQUIP. PIPING.
2	2-11-83	

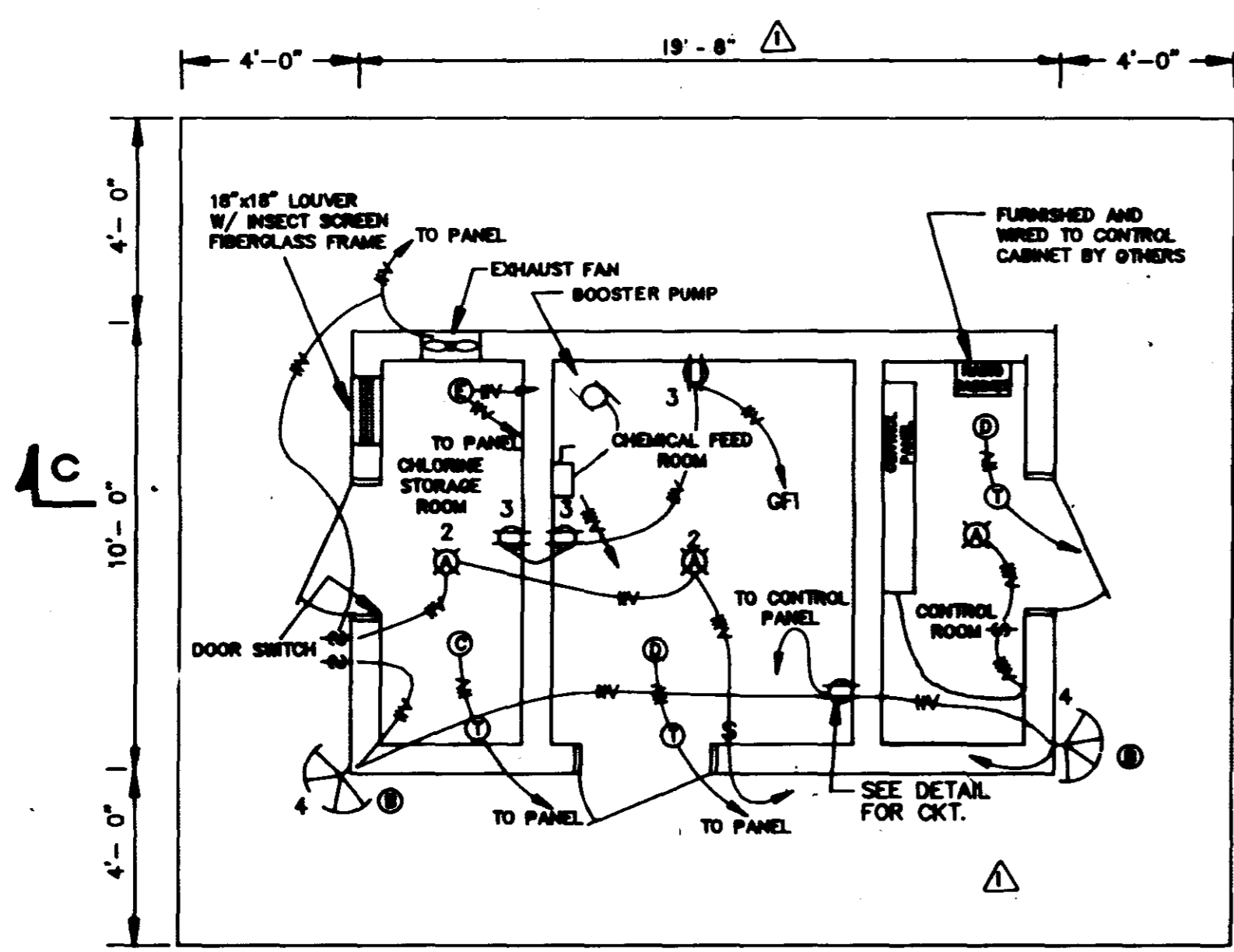
**WEST WATER SUPPLY WELL AND APPURTENANCES**

**EQUIPMENT HOUSING DETAILS**

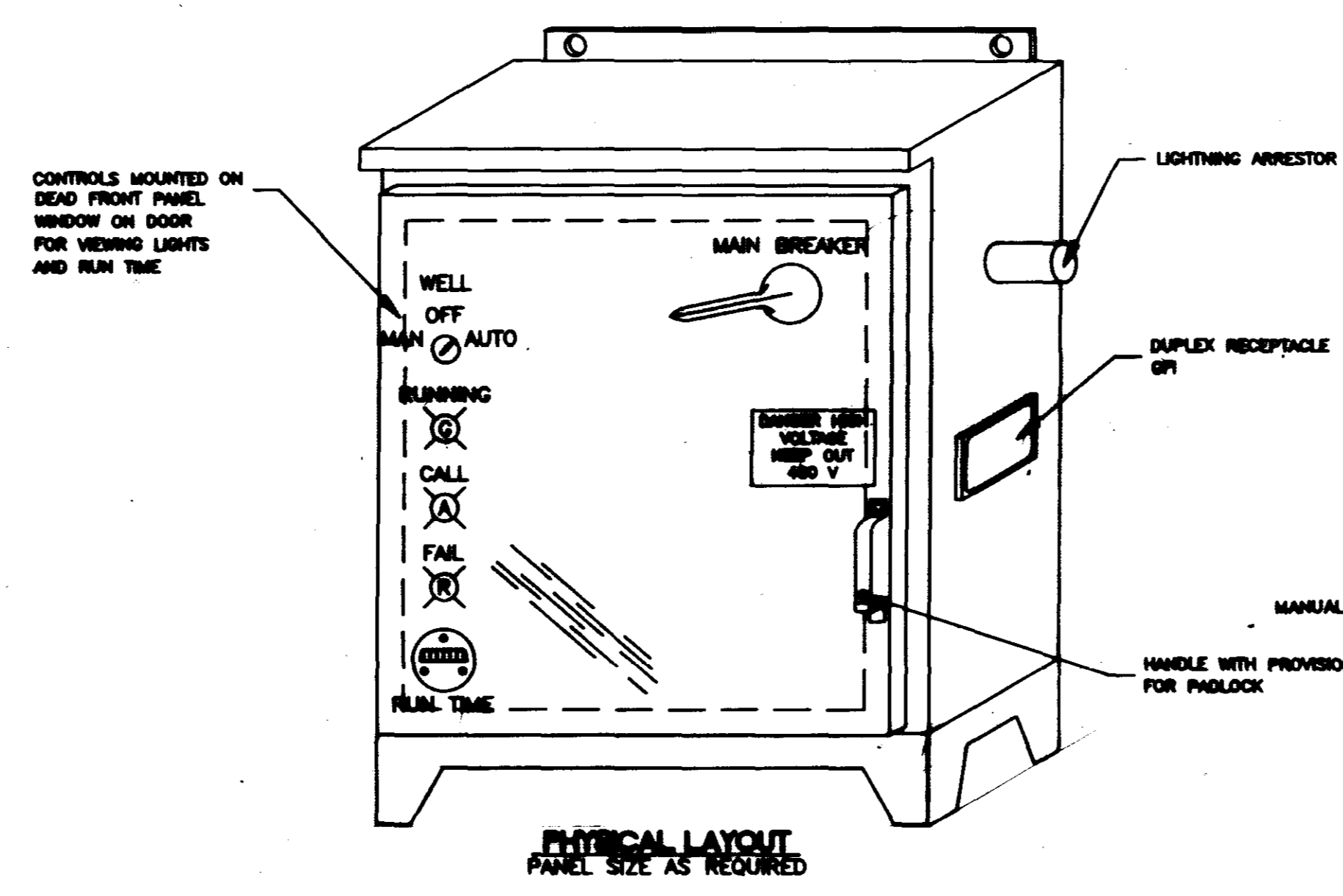
**CITY OF RIDGELAND, MISSISSIPPI**

NSBL-SCHAPPER, INC.  
Engineers - Planners  
James Schapper, Manager

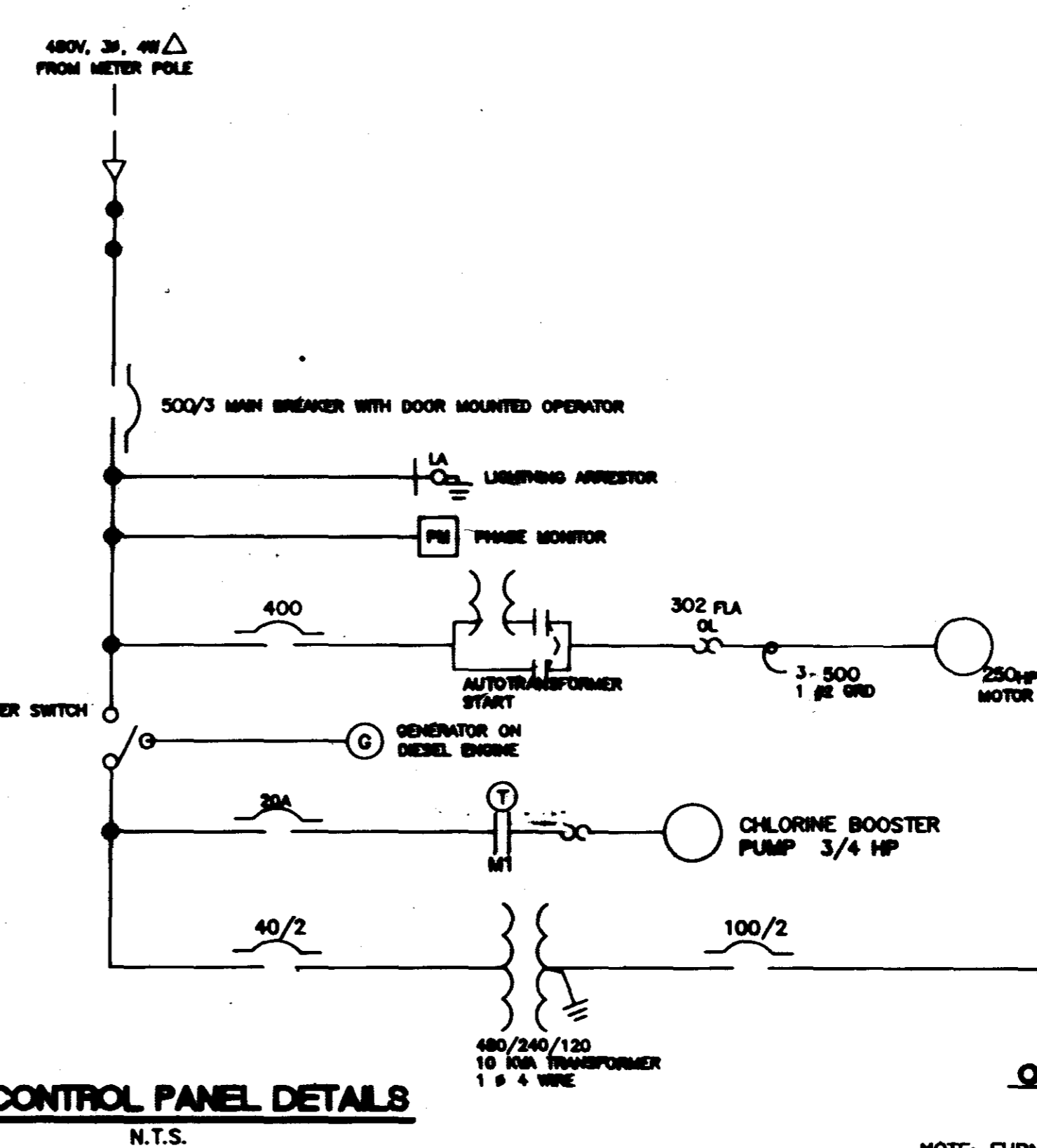
51-8



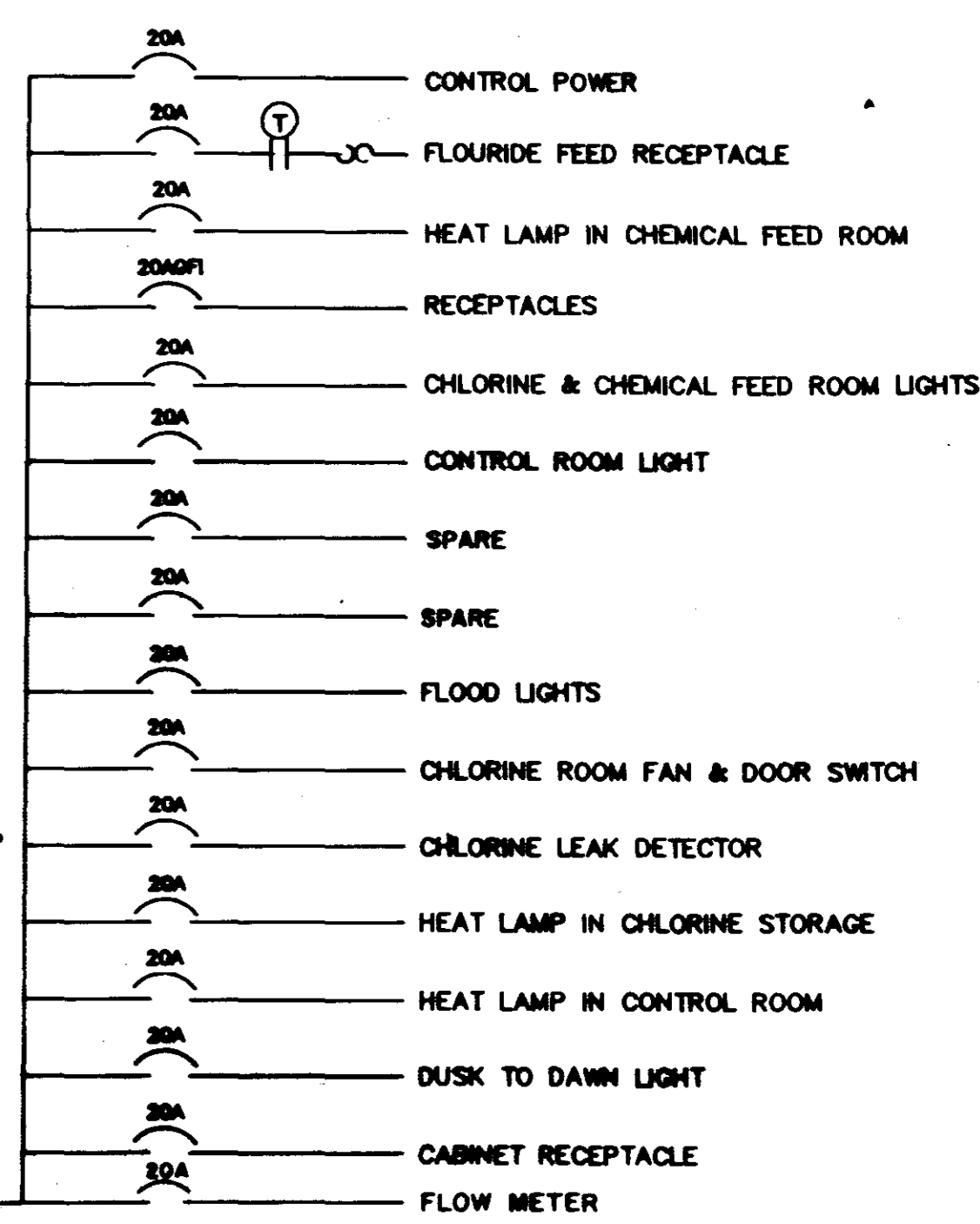
**ELECTRICAL PLAN**  
N.T.S.



**PHYSICAL LAYOUT**  
PANEL SIZE AS REQUIRED



**WELL CONTROL PANEL DETAILS**  
N.T.S.



**ONE LINE POWER SCHEMATIC**

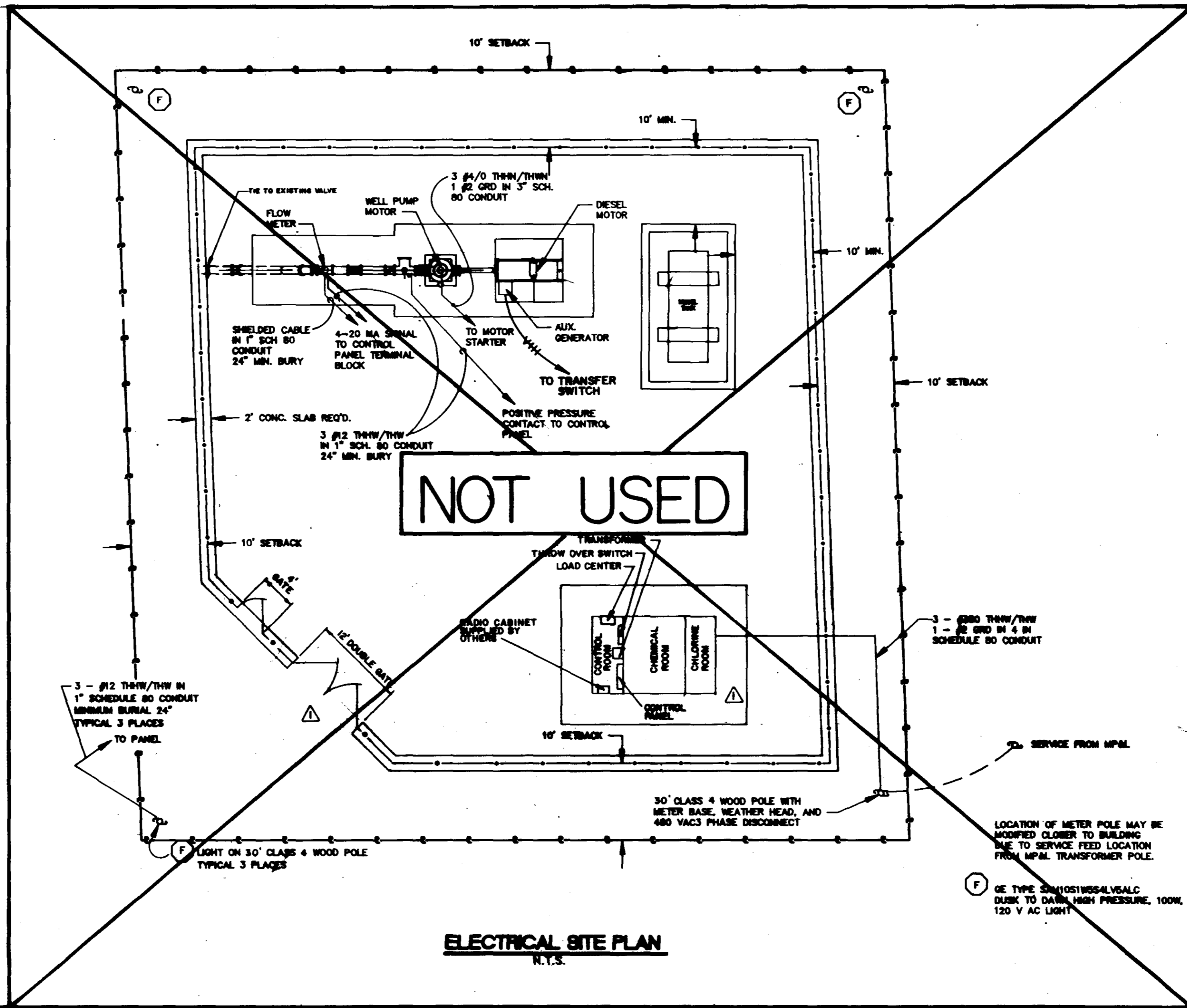
NOTE: FURNISH TWO (2) SPARE 20A/1P AND ONE (1) 20A/3P BREAKER

**NOTES:**

- ALL ELECTRICAL WIRING SHALL BE INSTALLED IN APPROVED CONDUIT.
- LIGHTING SCHEDULE:
  - A HUBBELL VAPOR TIGHT GLOBE WITH GUARD AND 100 WATT BULB.
  - B HUBBELL CAT. NO. S-5002 EXTERIOR TYPE WITH TWO LIGHTS, EACH WITH 100 WATT WEATHER PROOF BULB.
- CONNECT A #2 THHN-THWN COPPER GROUND WIRE BETWEEN GROUNDING BUS IN CONTROL PANEL AND A 5/8" X 10' COPPER PLATED STEEL GROUND ROD.
- ALL UNDERGROUND ELECTRICAL CONDUIT, WATER SUPPLY LINES, AND CHEMICAL SOLUTION LINES SHALL HAVE A MINIMUM OF 24" COVER.
- PLUMBING INSIDE THE EQUIPMENT BUILDING SHALL NOT BE CONTAINED WITHIN THE BLOCK WALLS. INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH SPECIAL PROVISIONS FOR THE FLUORIDE AND CHLORINE EQUIPMENT.
- ALL WALL PENETRATIONS FOR PLUMBING SHALL HAVE A PVC SLEEVE AND BE SEALED WITH DAP FLEXI-SEAL.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- HEATER SCHEDULE WITH THERMOSTAT
  - C HEAT LAMP IN CHLORINE ROOM.
  - D HEATER OR HEAT LAMP IN CHEMICAL FEED ROOM AND CONTROL ROOM.
- "E" IS CHLORINE LEAK DETECTOR WITH ALARM SIGNAL TO CONTROL PANEL.
- FAN TO BE AEROMENT MODEL 24L2200DP, 1/2 HP, 1750 RPM, 7700 CFM WITH ADAPTER KIT FOR THROUGH WALL MOUNTING. FAN MOUNTED AT TOP OF WALL WITH DOOR SWITCH FOR OPERATION.

**GENERAL NOTES:**

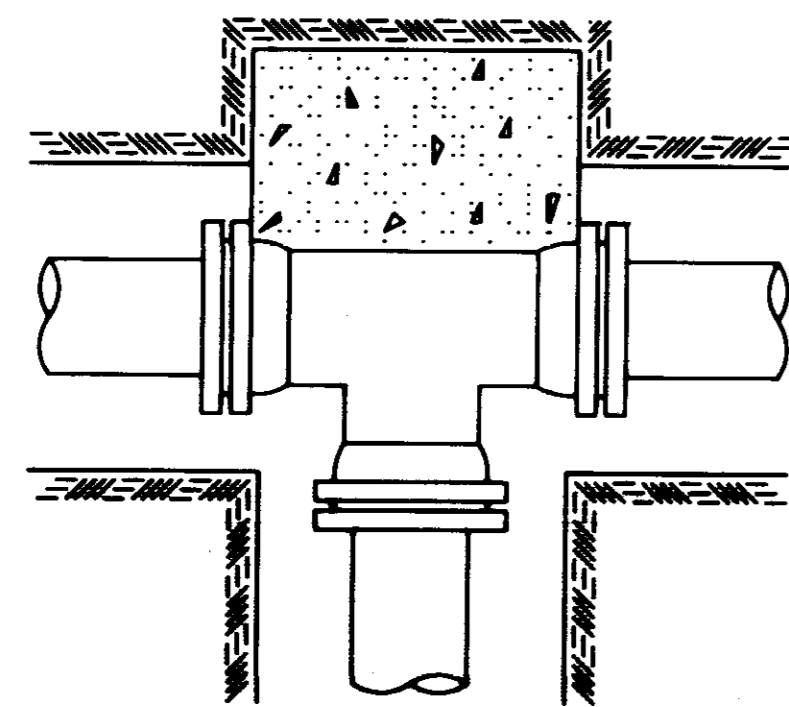
- WELL CONTROL PANEL MOUNTED INSIDE CONTROL ROOM.
- UNDERGROUND SERVICE ENTRANCE TO METER POLE FURNISHED AND INSTALLED BY CONTRACTOR. RISE UP POLE ±30' TO HEIGHT REQUIRED BY POWER COMPANY. PROVIDE WEATHERHEAD AND 5' TAIL WIRE. SERVICE ENTRANCE CONDUCTORS SHALL BE 2 RUNS OF 3-250 THHN-THWN AND 1 #2 GRD. IN 3" SCHEDULE 80 CONDUIT.
- UNDERGROUND BRANCH CIRCUIT TO WELL SHALL CONSIST OF 3-500 THHN-THWN 1-#2 THHN-THWN EQUIP. GROUND IN 3" SCHEDULE 80 CONDUIT. CHANGE TO GALVANIZED RIGID THICK WALL AT END INCLUDING ELBOW. MIN. BURY 3'-0".
- GROUND CONTROL PANEL WITH #2 THWN IN 1" GALV. RIGID CONDUIT TO 5/8" # X 10' COPPER CLAD GROUND ROD USING CADWELD (EXOTHERMIC) CONNECTION. TOP OF ROD 1'-6" BELOW FINISH GRADE.



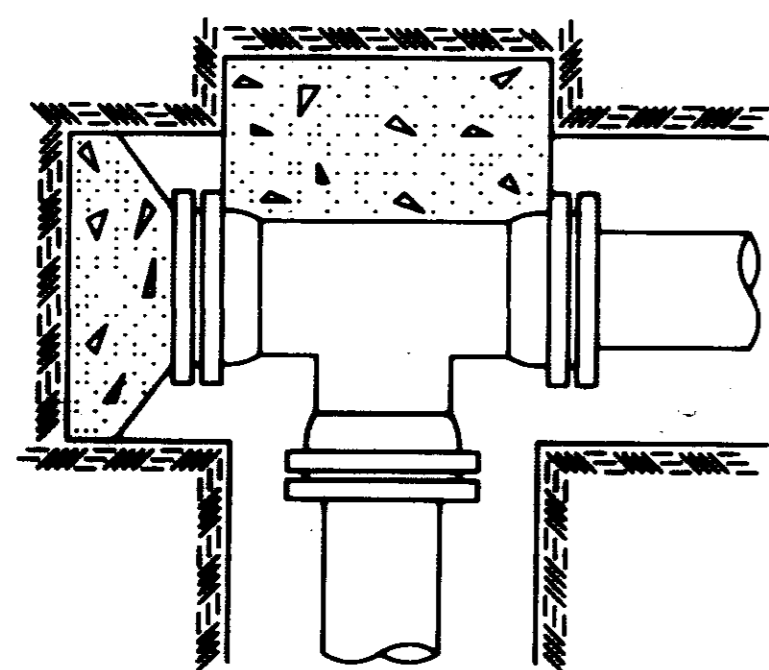
**ELECTRICAL SITE PLAN**  
N.T.S.

**RECORD DRAWING**  
DATE 2/1/82 BY [Signature]

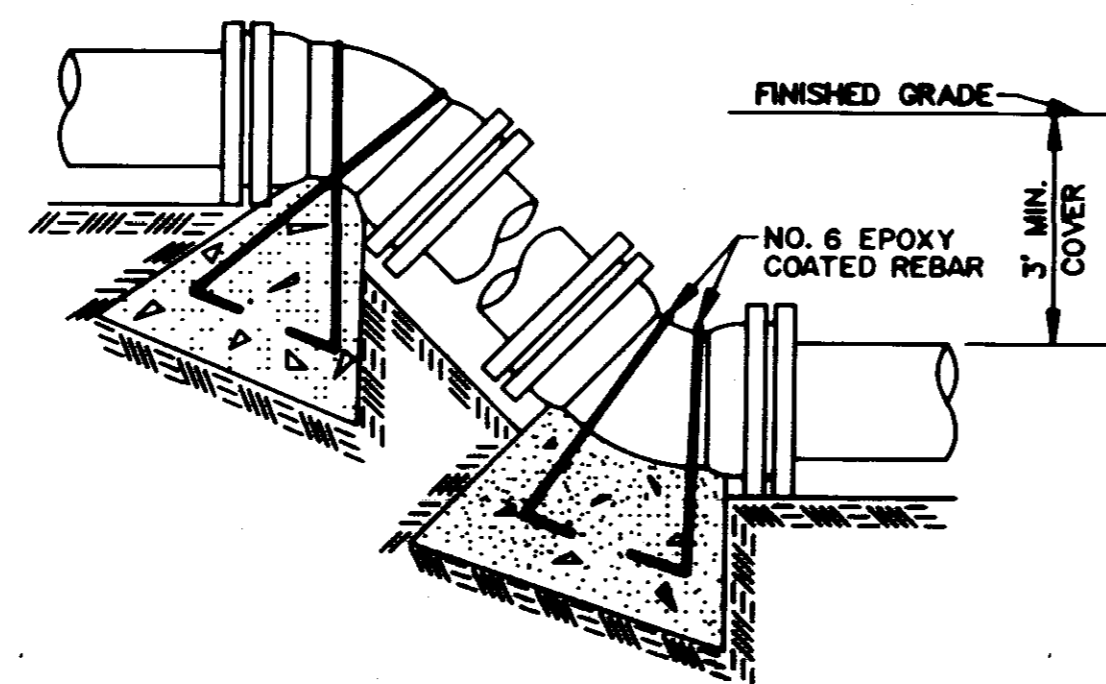
2	2-11-93	
1	9-08-92	ADDED 1" TO DIMENSION; RELAYED NOTES; INSTALLED CHEMICAL EQUIPMENT
REV.	DATE	DESC.
<b>WEST WATER SUPPLY WELL AND APPURTENANCES</b>		
<b>ELECTRICAL PLAN</b>		
<b>CITY OF RIDGELAND, MISSISSIPPI</b>		
DESIGN: RAB	DATE: 1/78	SCALE: AS SHOWN
CHECK: CDS	DATE: 1/78	
		DRAWING NO. <b>6.1 of 8</b>



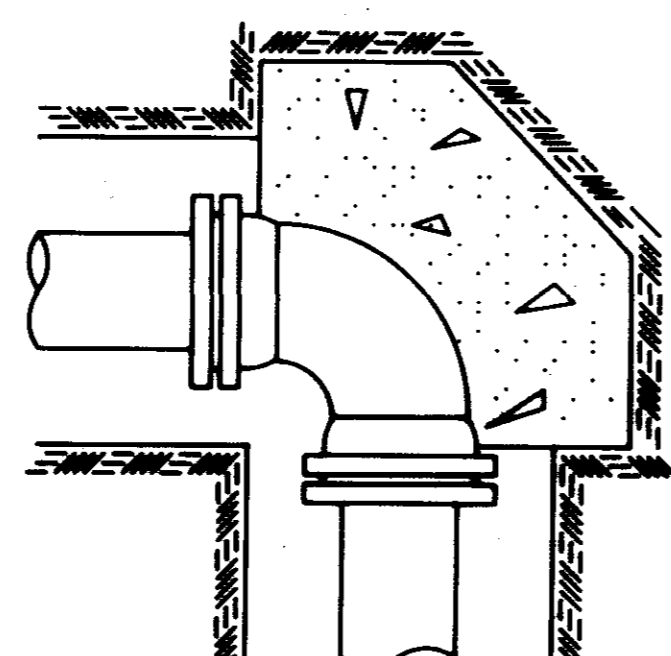
**TEE**



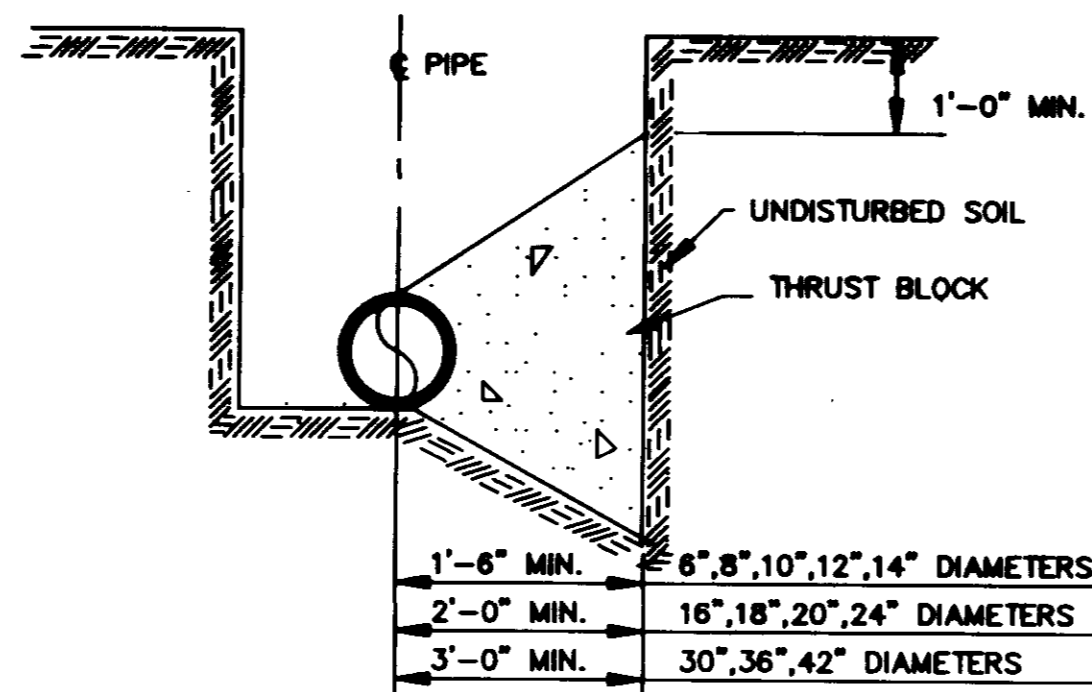
**PLUGGED TEE**



**VERTICAL BEND**



**90° BEND**



**TYPICAL CROSS SECTION**

**TYPICAL THRUST BLOCKING IN WATER MAINS AND SEWAGE FORCE MAINS**

N.T.S.  
NOTE: ALL THRUST BLOCKS 2,500 PSI CONCRETE AGAINST UNDISTURBED EARTH

**BEARING AREA IN SQ. FT.**

NOMINAL PIPE DIAMETER (IN)	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
6	2.5	3.0	2.0	2.0	2.0
8	4.0	6.0	3.0	2.0	2.0
10	6.0	9.0	5.0	2.5	2.0
12	9.0	11.0	8.0	3.5	2.0
14	12.0	18.0	9.0	5.0	2.5
16	16.0	22.5	12.0	6.0	3.0
18	20.0	28.0	15.0	8.0	4.0
20	24.5	34.0	18.0	10.0	5.0
24	35.0	48.0	27.0	14.0	7.0
30	54.0	76.0	41.0	21.0	10.0
36	77.0	108.0	58.0	30.0	15.0
42	104.0	146.0	79.0	40.0	20.0

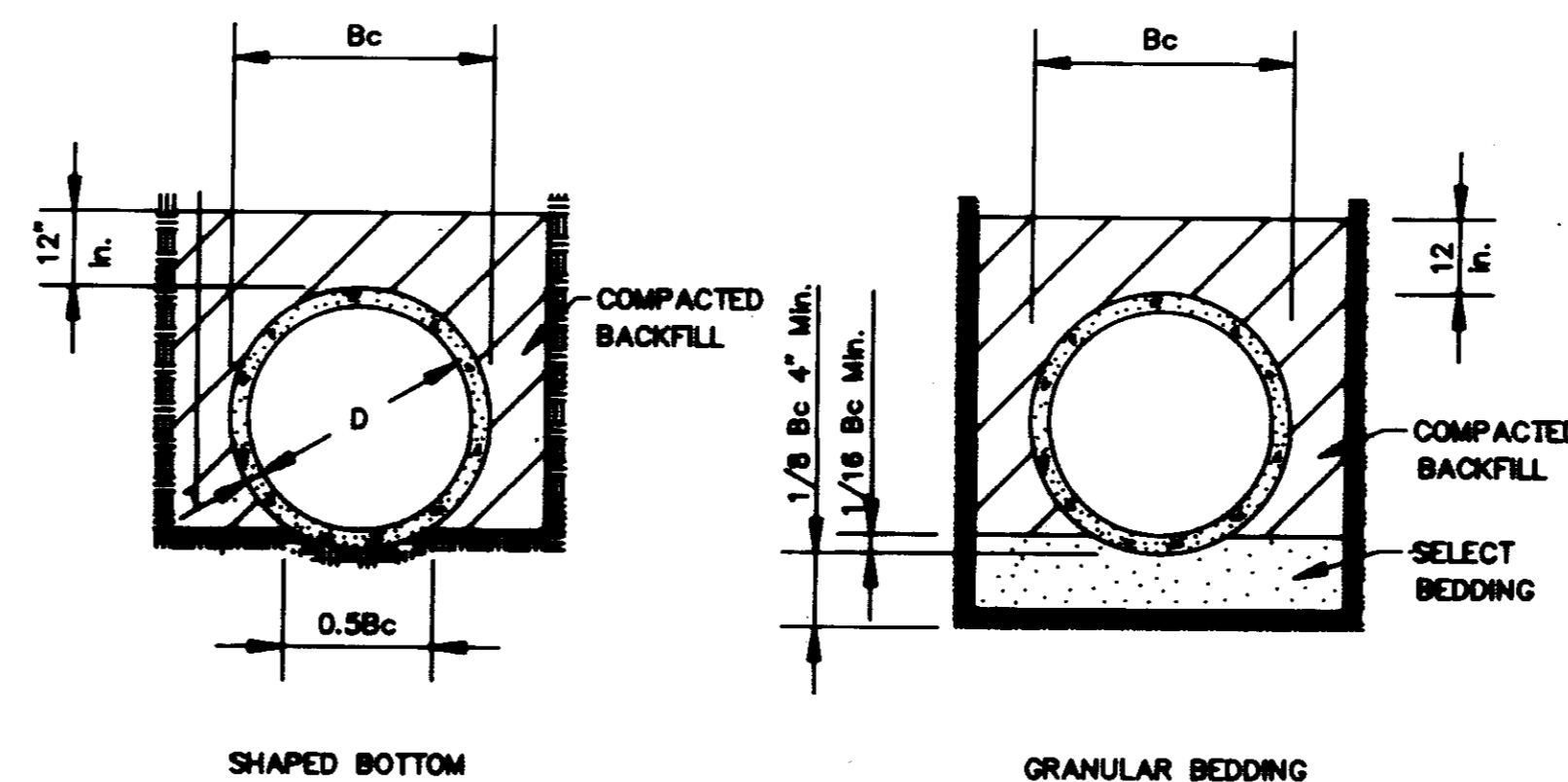
NOTE:  
ABOVE VALUES CALCULATED USING P=100 PSI AND ALLOWABLE SOIL BRG. = 1500 PSF. FOR DIFFERENT P, MULTIPLY ABOVE VALUES BY P/100.  
FOR DIFFERENT SOIL BRG, MULTIPLY ABOVE VALUES BY 1500/S.B.

**VERTICAL BENDS**

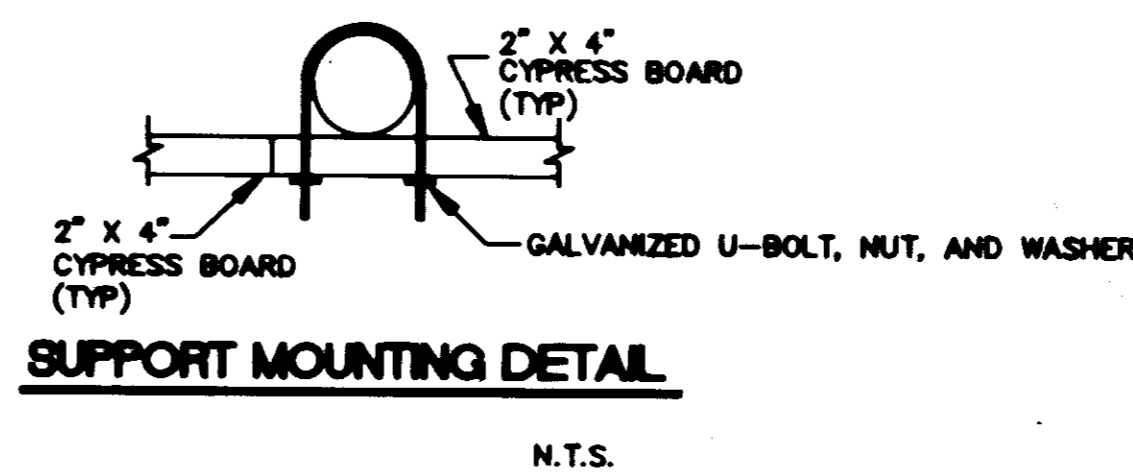
NOMINAL PIPE DIAMETER (IN)	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
6	—	—	28.0(1.0)	14.0(.5)	7.0(.3)
8	—	—	45.0(1.7)	25.0(.9)	13.0(.5)
10	—	—	68.0(2.5)	37.0(1.4)	18.0(.7)
12	—	—	97.0(3.6)	52.0(1.9)	27.0(1.0)
14	—	—	130(4.8)	70.0(2.6)	38.0(1.3)
16	—	—	188(6.2)	91.0(3.4)	46.0(1.7)
18	—	—	211(7.8)	114(4.2)	58.0(2.2)
20	—	—	250(9.8)	140(5.2)	72.0(2.6)
24	—	—	370(13.7)	200(7.4)	102(3.8)
30	—	—	568(21.1)	308(11.4)	158(5.8)
36	—	—	814(30.1)	440(16.3)	225(8.3)
42	—	—	1100(40.7)	595(22.0)	303(11.2)

VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

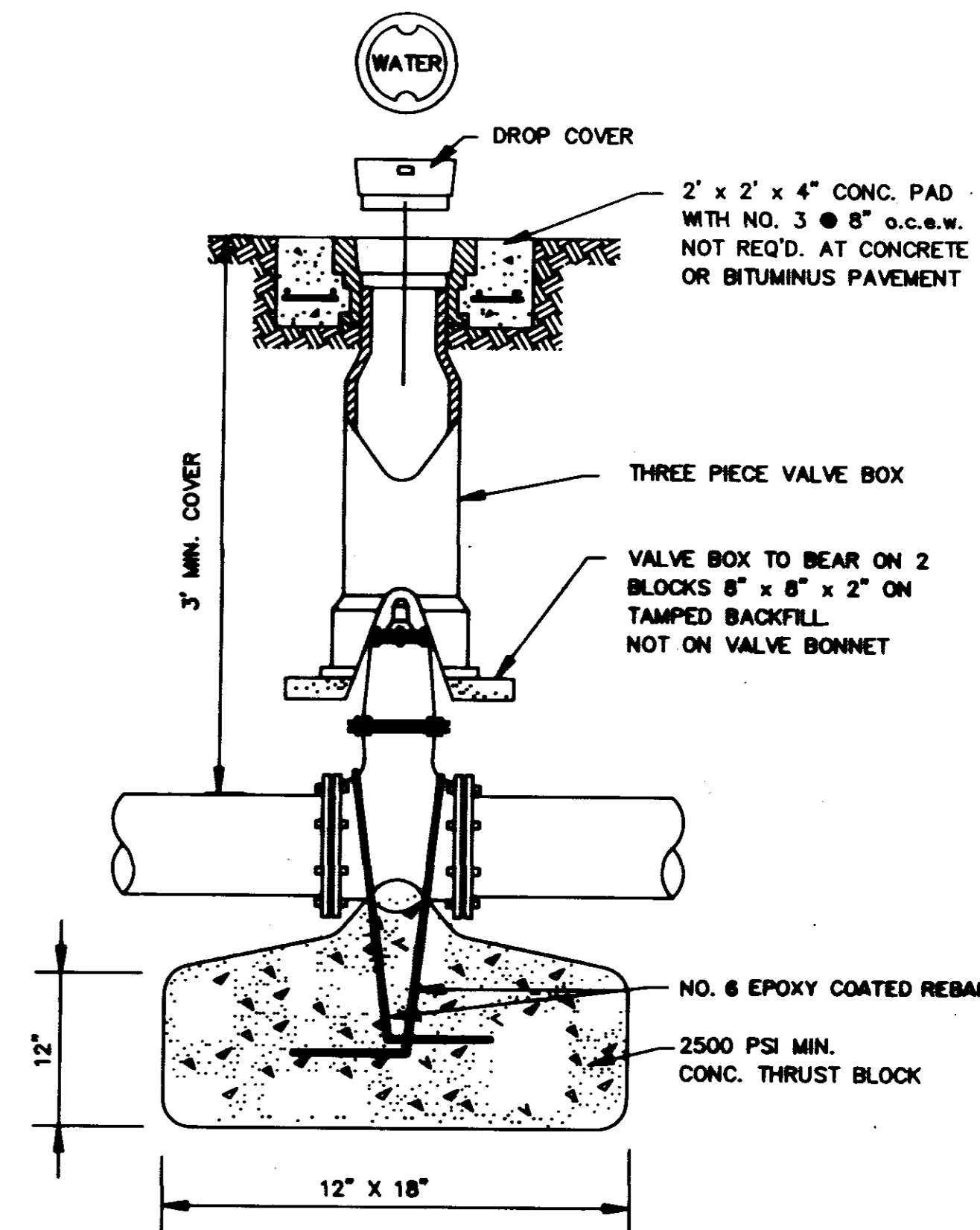
NOTE:  
ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



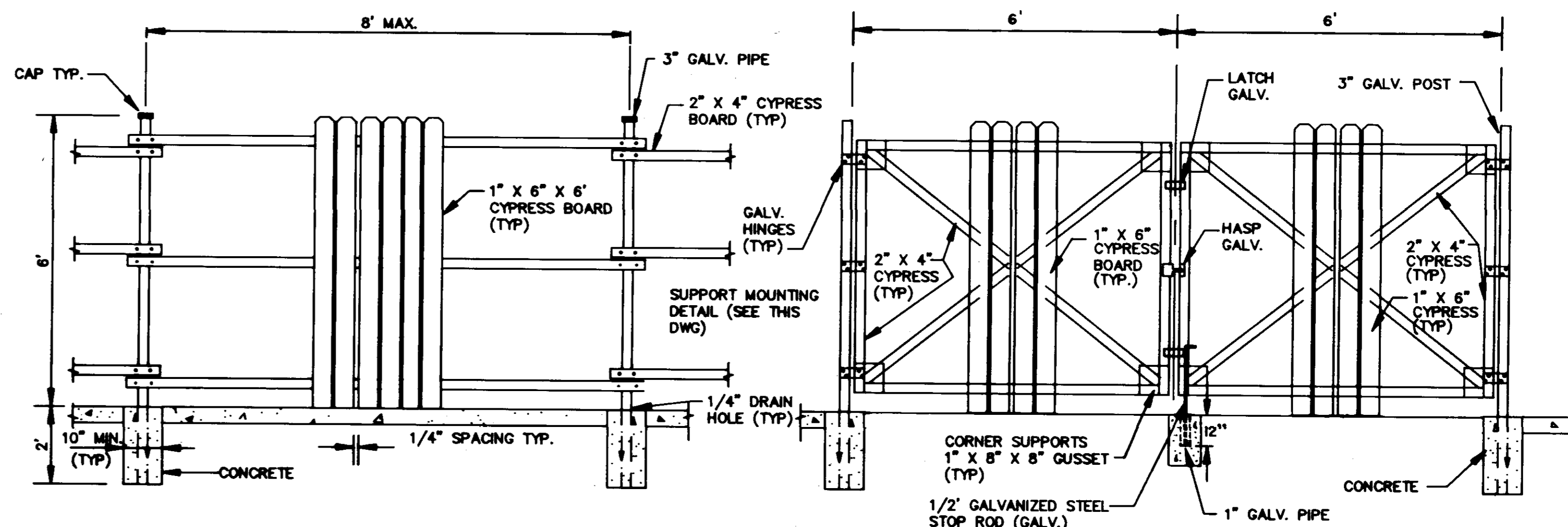
**TYPICAL TRENCH DETAILS**  
N.T.S.



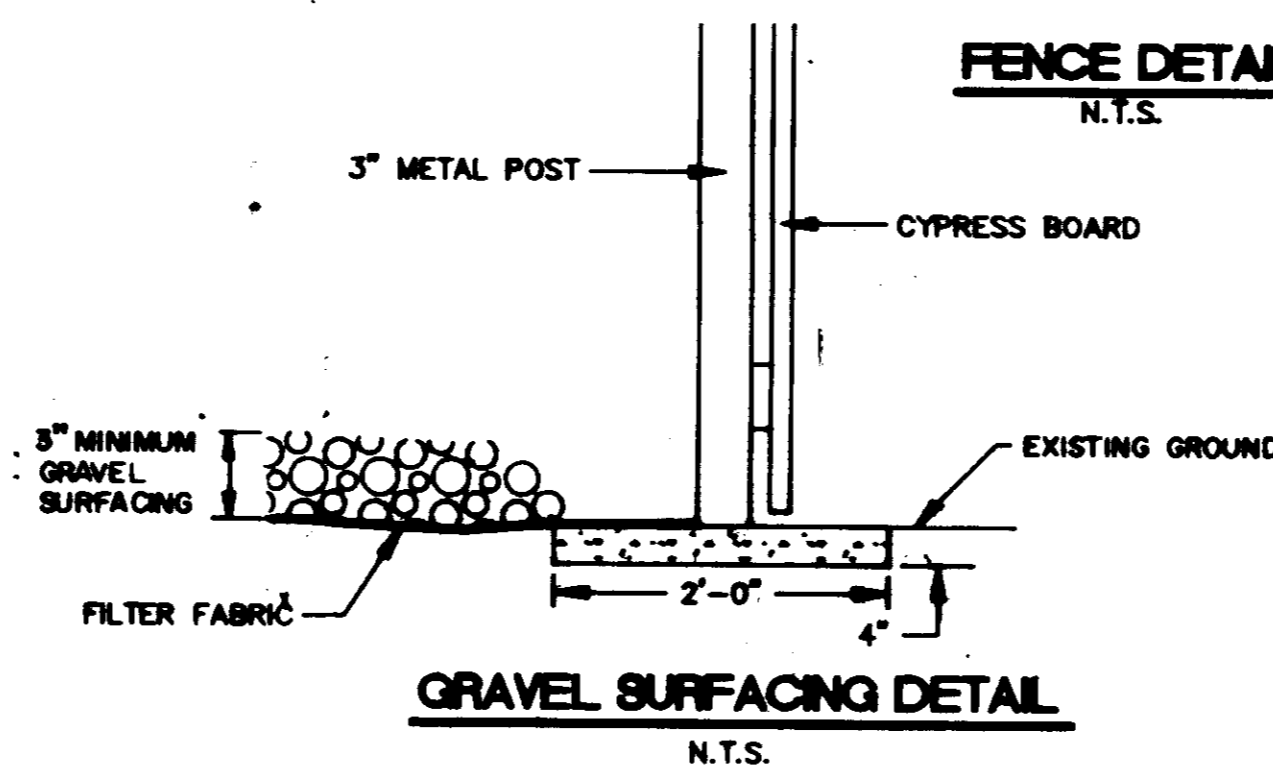
**SUPPORT MOUNTING DETAIL**  
N.T.S.



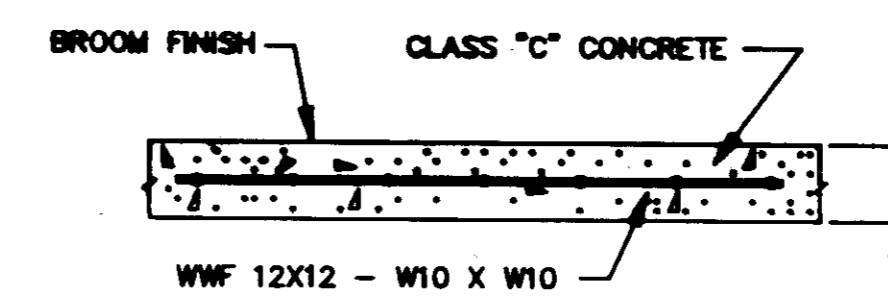
**GATE VALVE DETAIL**  
N.T.S.



**GATE DETAIL**  
N.T.S.



**FENCE DETAIL**  
N.T.S.

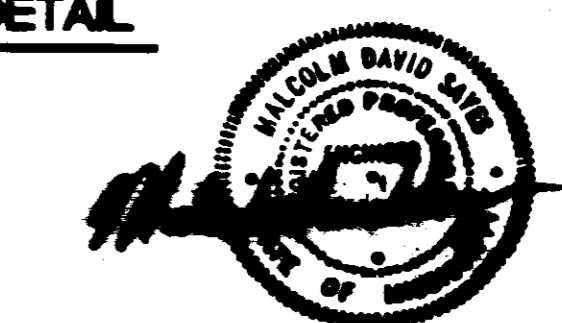


**TYPICAL CONC. SIDEWALK DETAIL**

EXPANSION JOINTS REQ'D. @ 20' INTERVALS  
CONTROL JOINTS REQ'D. @ 4' INTERVALS

**RECORD DRAWING**  
DATE 2/28/01 BY JDB

**WEST WATER SUPPLY WELL AND APPURTENANCES**  
**PIPE DETAILS, APPURTENANCES AND WATER SUPPLY LINES**  
**CITY OF RIDGELAND, MISSISSIPPI**



DESIGNED BY: RDB  
CHECKED BY: CDS  
SCALE: AS SHOWN  
NEIL SCHAPPER, INC.  
ENGINEERS - PLANNERS  
JACKSON, MISSISSIPPI  
DRAWING NO. 7 OF 8

**WELL DATA SHEET  
FOR  
750 GPM WATER SUPPLY WELL**

1. Outer Casing Diameter	16"
Wall Thickness (Inches)	0.375
Coating Required (Interior Only)	Yes
2. Discharge Column Diameter (Inches)	8"
Coating Required	Yes
3. Lap Pipe Diameter (Inches)	10"
Length (Minimum) (Feet)	75'
4. Electrolysis Control	Yes
5. Suction (Tail) Pipe, Diameter (Inches)	8"
(a) Length (Minimum Feet)	20
(b) Coated Interior and Exterior	Yes
6. Minimum Screen Diameter (Inches)	10"
7. Minimum Screen Length (Feet)	60'
8. Estimated Total Permanent Well Depth (Feet)	1,400'
9. Test Well Depth (Feet)	1,500'
10. Required Discharge Flow (GPM)	750
11. Required Discharge Head (Feet)	162'
12. Type of Well Development	
(a) Artificial Gravel Wall	X
(b) Natural Straight Wall	
13. Type of Pumping Equipment	
(a) Vertical Turbine	X
(b) Type Lubrication (oil or water)	Oil
(c) Submersible Turbine	
14. Pump Motor	
(a) Horsepower (Minimum)	100 Hp
(b) Voltage	460 Volts 3-phase
15. Right-Angle Gear Drive	Yes
Auxiliary Diesel Engine and Drive Unit	Yes
16. Discharge Fittings and Accessories	
(a) Dresser Coupling	With 4 Ties Each
(b) Standard Flanged Non-Slam Check Valve - AWWA	12"
(c) Standard Flanged Tee	1-12" x 12"
(d) Standard Flanged Gate Valve - AWWA	1-12"
(e) Standard Flanged Cross	N/A
(f) Standard Flanged 45 Degree Ell	2-12"
(g) Standard Flanged 90 Degree Ell	N/A
(h) Standard Flanged Steel Pipe	N/A
(i) Air Release Valve (Minimum)	1-1/2"
(j) Standard Hose Bib	1-3/4"
(k) Standard Pressure Gauge (0-100 psi)	1-4"
(l) Insulation	Yes
(m) Master Meter	1 Each

\*One (1) 1 1/2-inch deep well type air release and vacuum relief valve with valve complete with air discharge piping directed down. End of discharge piping to be fitted with stainless steel or bronze strainer. It shall be Crispin Model D10, Deep Well Air Valve or equal.

\*\*Master meter to be as manufactured by Water Specialties, Model No. ML-04-5G, sealed meter mechanism-magnetic drive, with flow indicator, totalizer, and TR-16 transmitter for 4-20 MA output.

**WELL DATA SHEET  
FOR  
1000 GPM WATER SUPPLY WELL**

1. Outer Casing Diameter	16"
Wall Thickness (Inches)	0.375
Coating Required (Interior Only)	Yes
2. Discharge Column Diameter (Inches)	10"
Coating Required	Yes
3. Lap Pipe Diameter (Inches)	10"
Length (Minimum) (Feet)	75'
4. Electrolysis Control	Yes
5. Suction (Tail) Pipe, Diameter (Inches)	10"
(a) Length (Minimum Feet)	20
(b) Coated Interior and Exterior	Yes
6. Minimum Screen Diameter (Inches)	10"
7. Minimum Screen Length (Feet)	75'
8. Estimated Total Permanent Well Depth (Feet)	1,400'
9. Test Well Depth (Feet)	1,500'
10. Required Discharge Flow (GPM)	1000
11. Required Discharge Head (Feet)	162'
12. Type of Well Development	
(a) Artificial Gravel Wall	X
(b) Natural Straight Wall	
13. Type of Pumping Equipment	
(a) Vertical Turbine	X
(b) Type Lubrication (oil or water)	Oil
(c) Submersible Turbine	
14. Pump Motor	
(a) Horsepower (Minimum)	150 Hp
(b) Voltage	460 Volts 3-phase
15. Right-Angle Gear Drive	Yes
Auxiliary Diesel Engine and Drive Unit	Yes
16. Discharge Fittings and Accessories	
(a) Dresser Coupling	With 4 Ties Each
(b) Standard Flanged Non-Slam Check Valve - AWWA	12"
(c) Standard Flanged Tee	1-12" x 12"
(d) Standard Flanged Gate Valve - AWWA	1-12"
(e) Standard Flanged Cross	N/A
(f) Standard Flanged 45 Degree Ell	2-12"
(g) Standard Flanged 90 Degree Ell	N/A
(h) Standard Flanged Steel Pipe	N/A
(i) Air Release Valve (Minimum)	1-1/2"
(j) Standard Hose Bib	1-3/4"
(k) Standard Pressure Gauge (0-100 psi)	1-4"
(l) Insulation	Yes
(m) Master Meter	1 Each

\*One (1) 1 1/2-inch deep well type air release and vacuum relief valve with valve complete with air discharge piping directed down. End of discharge piping to be fitted with stainless steel or bronze strainer. It shall be Crispin Model D10, Deep Well Air Valve or equal.

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RECORD DRAWING

DATE 2/1/84 BY Plan

WEST WATER SUPPLY WELL  
AND APPURTENANCES

WELL DATA

CITY OF RIDGELAND, MISSISSIPPI

DATE: MDS 5-92	DRAWING NO.
DWDR: JSM 5-92	81 OF 8
CHKD:	
SCALE: AS SHOWN	

NEEL-SCHAFER INC.  
ENGINEERS - PLUMBERS  
JACKSON, MISSISSIPPI