

CITY OF RIDGELAND, MISSISSIPPI

"WATER SYSTEM ADDITIONS 1983"

ELEVATED WATER STORAGE FACILITY, CONTRACT No. 1

WATER SUPPLY FACILITY, CONTRACT No. 2

WATER DISTRIBUTION SYSTEM IMPROVEMENTS, CONTRACT No. 3

Mayor

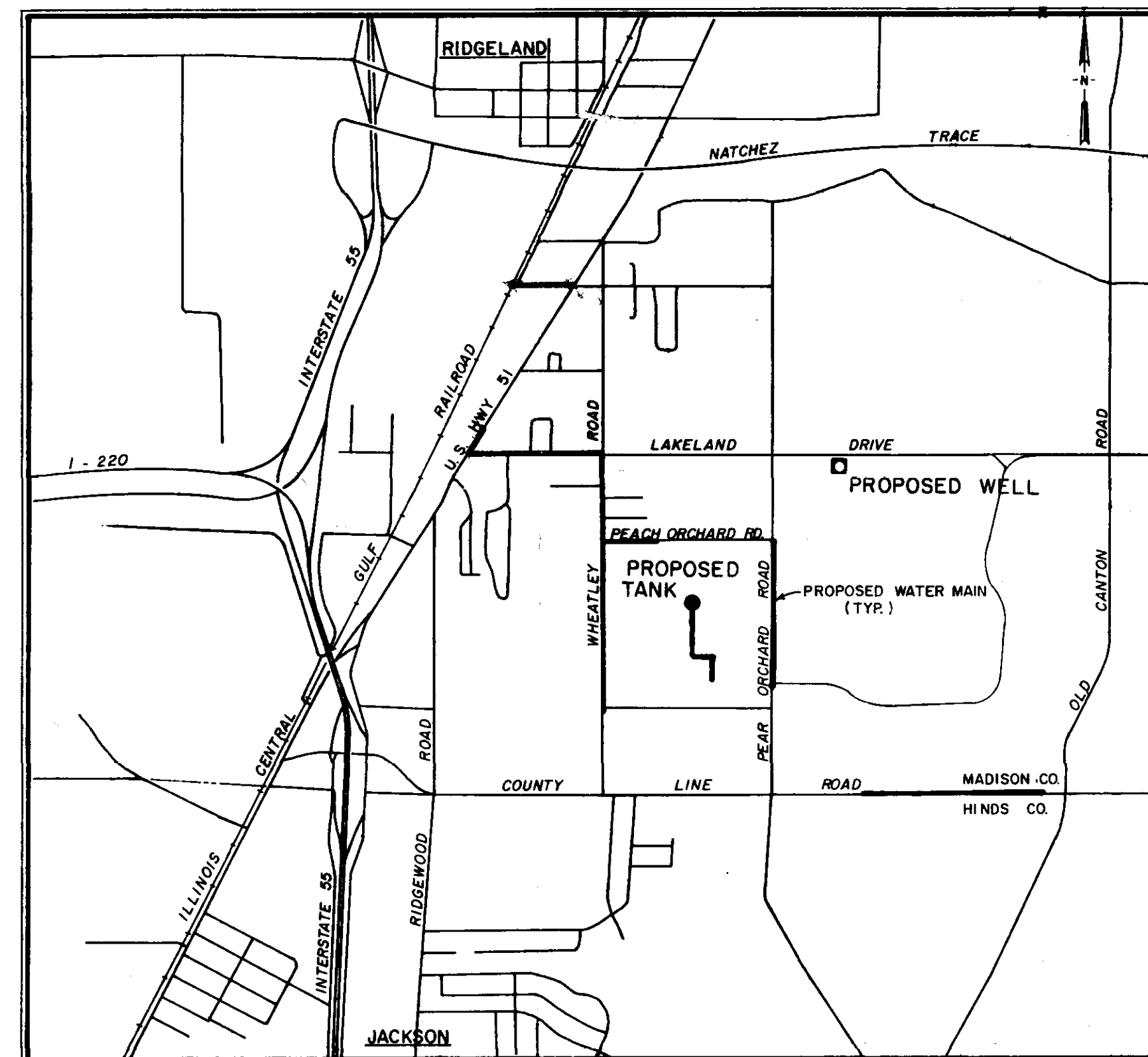
Hite Wolcott

Mayor Pro Tem

Raymond McClure

City Attorney

Bob Montgomery



Aldermen

Harvey Carr, Jr.

Don Lindsly

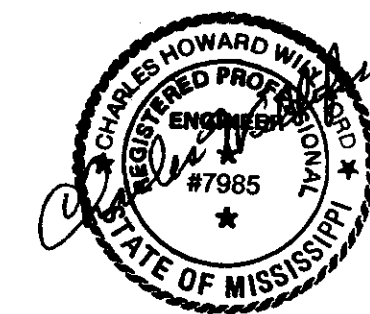
Jack Martin

W. C. McClellan

Raymond McClure

City Clerk

Marcella Cannon



JUNE 1983

JOE A. WAGGONER

Civil Engineer

Brandon / Jackson, Mississippi

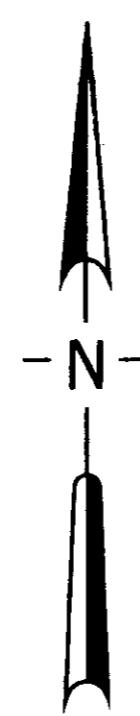
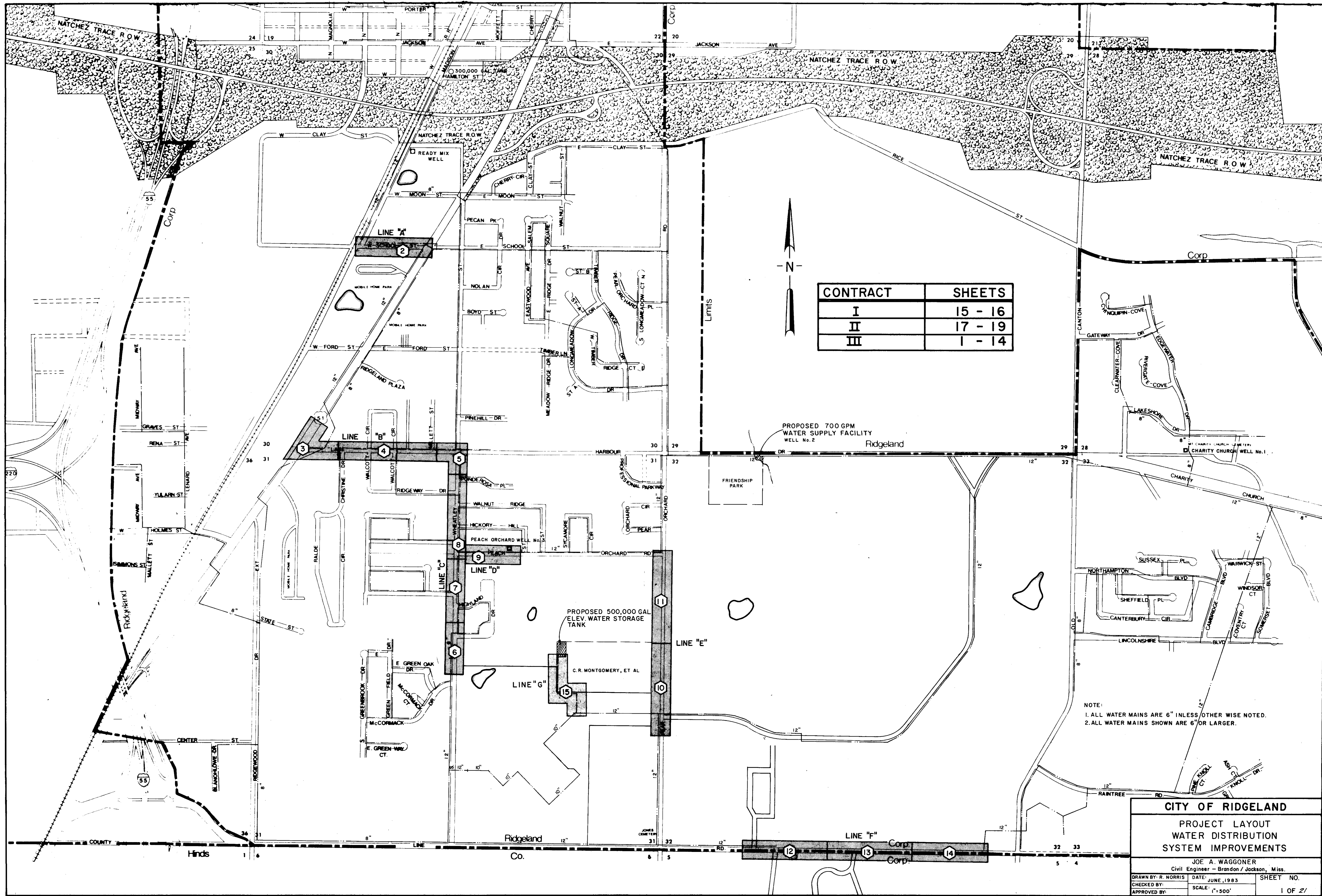
APPROVED 6-4-83
FARMERS HOME ADMINISTRATION

BY: *Fred W. Boyz*

APPROVED 6-4-83
Bill Wray
BUREAU OF ENVIRONMENTAL HEALTH
MISSISSIPPI STATE BOARD OF HEALTH

Not as Bict

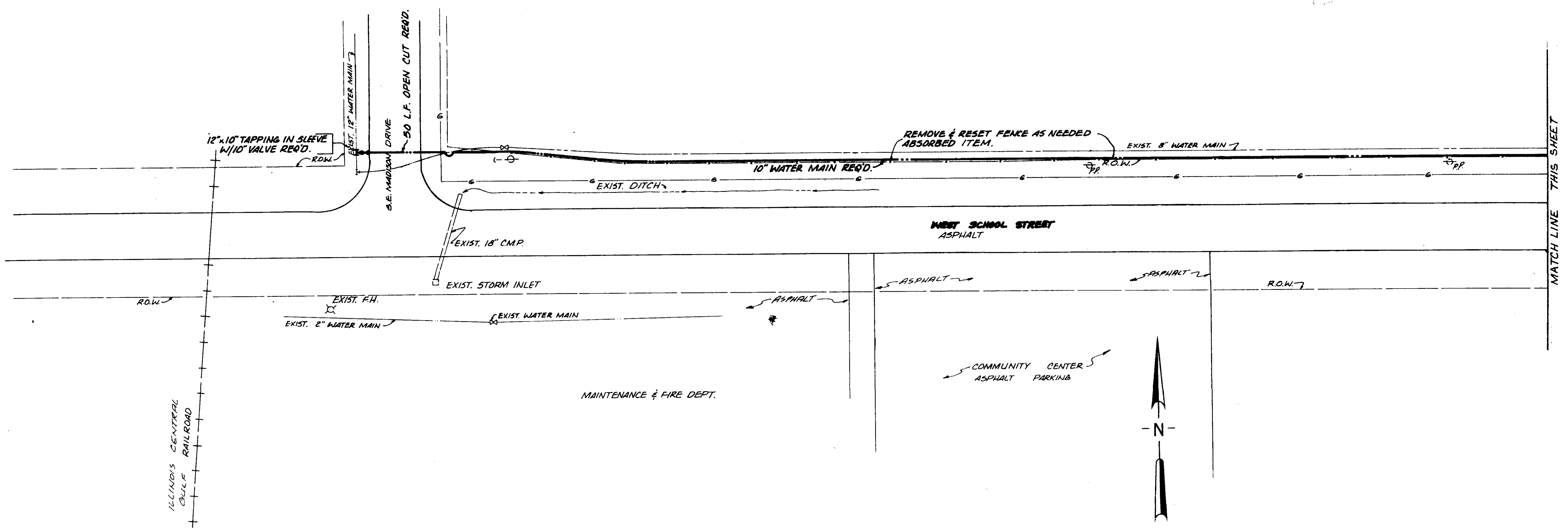
PWP-05005



CONTRACT	SHEETS
I	15 - 16
II	17 - 19
III	1 - 14

NOTE:
 1. ALL WATER MAINS ARE 6" UNLESS OTHERWISE NOTED.
 2. ALL WATER MAINS SHOWN ARE 6" OR LARGER.

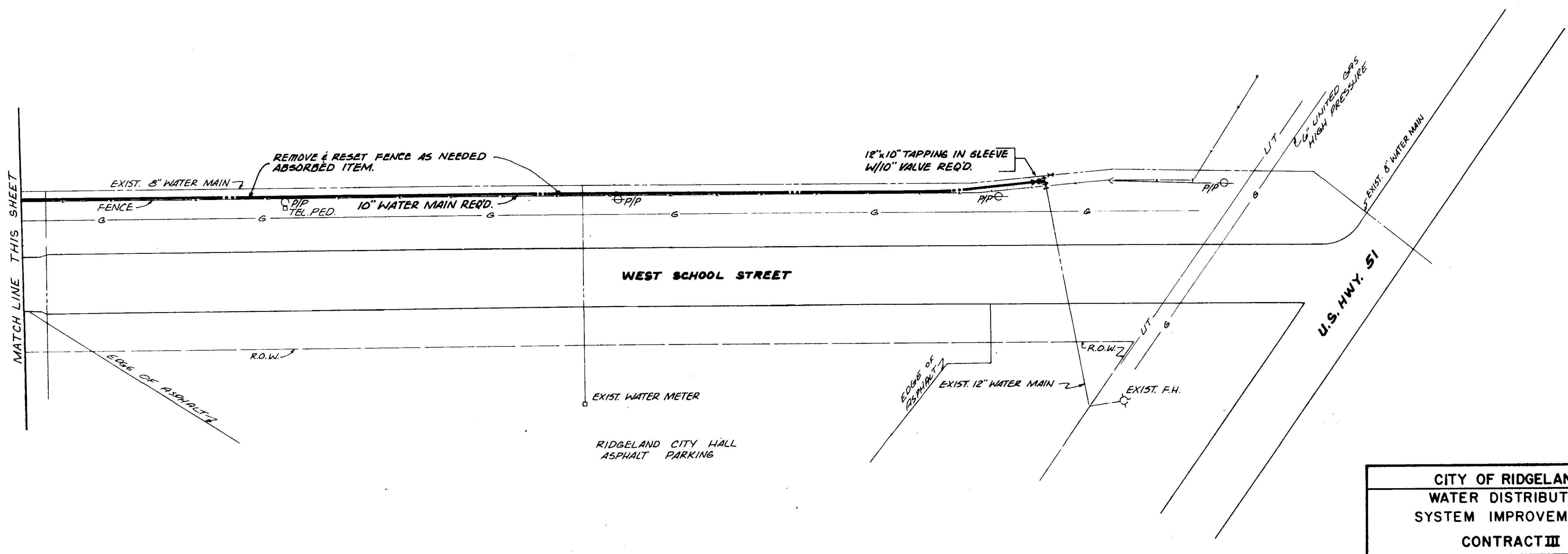
CITY OF RIDGELAND		
PROJECT LAYOUT WATER DISTRIBUTION SYSTEM IMPROVEMENTS		
JOE A. WAGGONER Civil Engineer - Brandon / Jackson, Miss.		
DRAWN BY: R. NORRIS	DATE: JUNE, 1983	SHEET NO.
CHECKED BY:	SCALE: 1"=500'	1 OF 21
APPROVED BY:		



MATCH LINE THIS SHEET

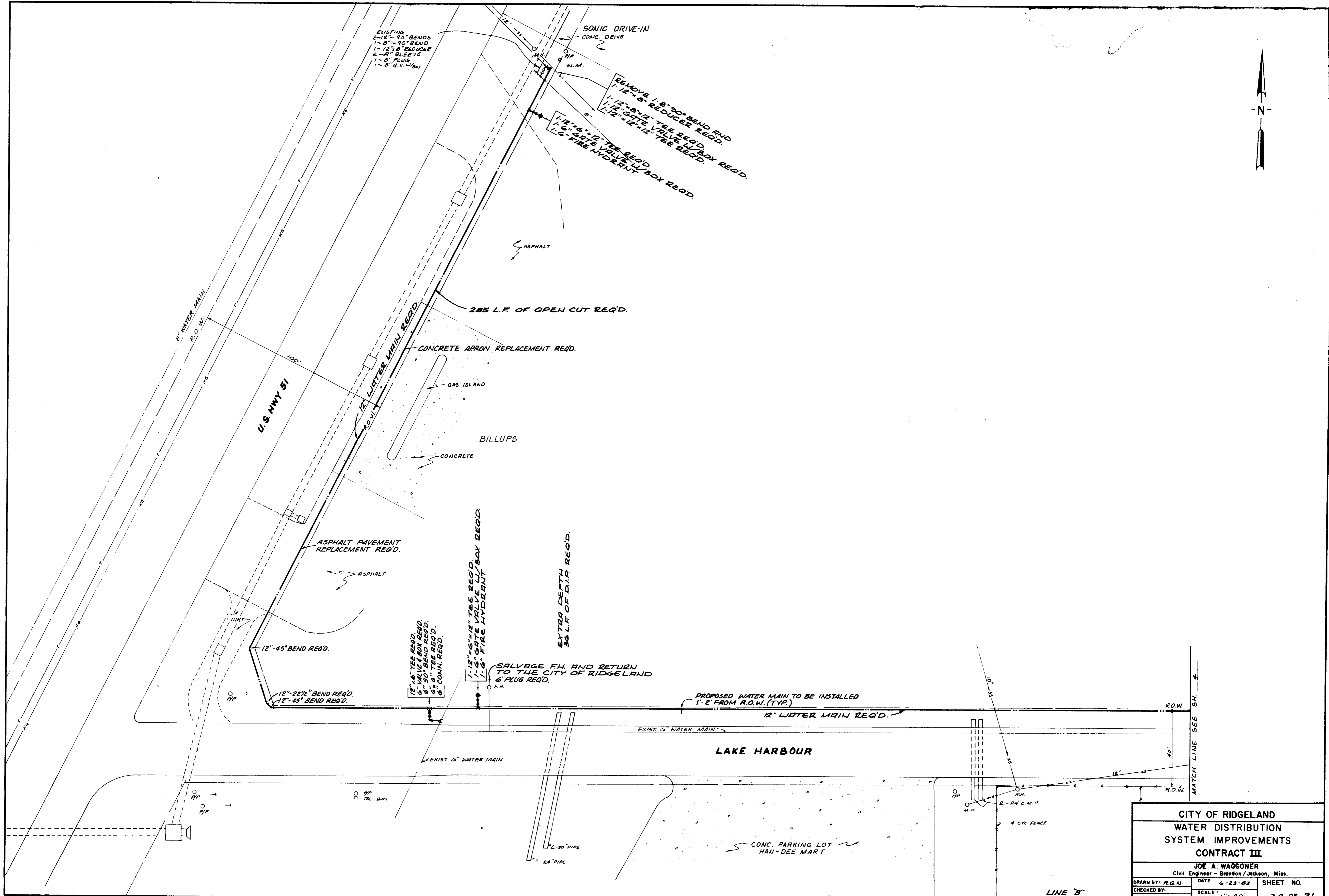
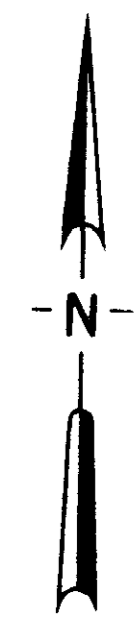
ILLINOIS CENTRAL GULF RAILROAD

MATCH LINE THIS SHEET



LINE "A"

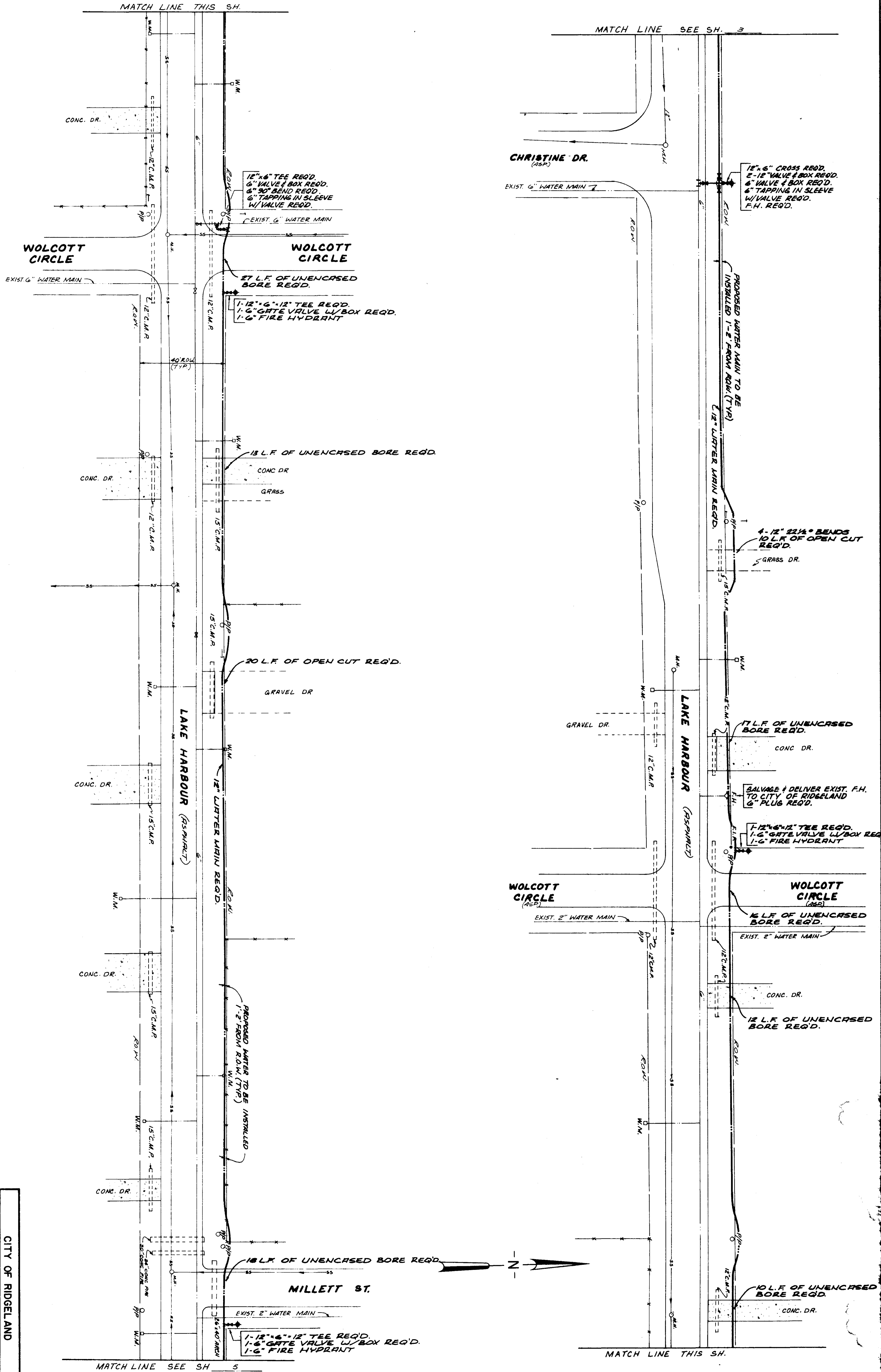
CITY OF RIDGELAND			
WATER DISTRIBUTION			
SYSTEM IMPROVEMENTS			
CONTRACT III			
JOE A. WAGGONER			
<small>Civil Engineer - Brandon/Jackson, Miss.</small>			
<small>DRAWN BY: H.L.J.</small>	<small>DATE: JUNE 03</small>	<small>SHEET NO.</small>	
<small>CHECKED BY: C.W.</small>	<small>SCALE: 1"=20'</small>	<small>2A OF 21</small>	
<small>APPROVED BY: JAW</small>			



CITY OF RIDGELAND		
WATER DISTRIBUTION		
SYSTEM IMPROVEMENTS		
CONTRACT III		
JOE A. WAGGONER		
<small>Civil Engineer - Brandon/Jackson, Miss.</small>		
<small>DRAWN BY: R.G.A.</small>	<small>DATE: 6-23-83</small>	<small>SHEET NO.</small>
<small>CHECKED BY:</small>	<small>SCALE: 1"=20'</small>	<small>36 OF 21</small>
<small>APPROVED BY:</small>		

LINE "B"

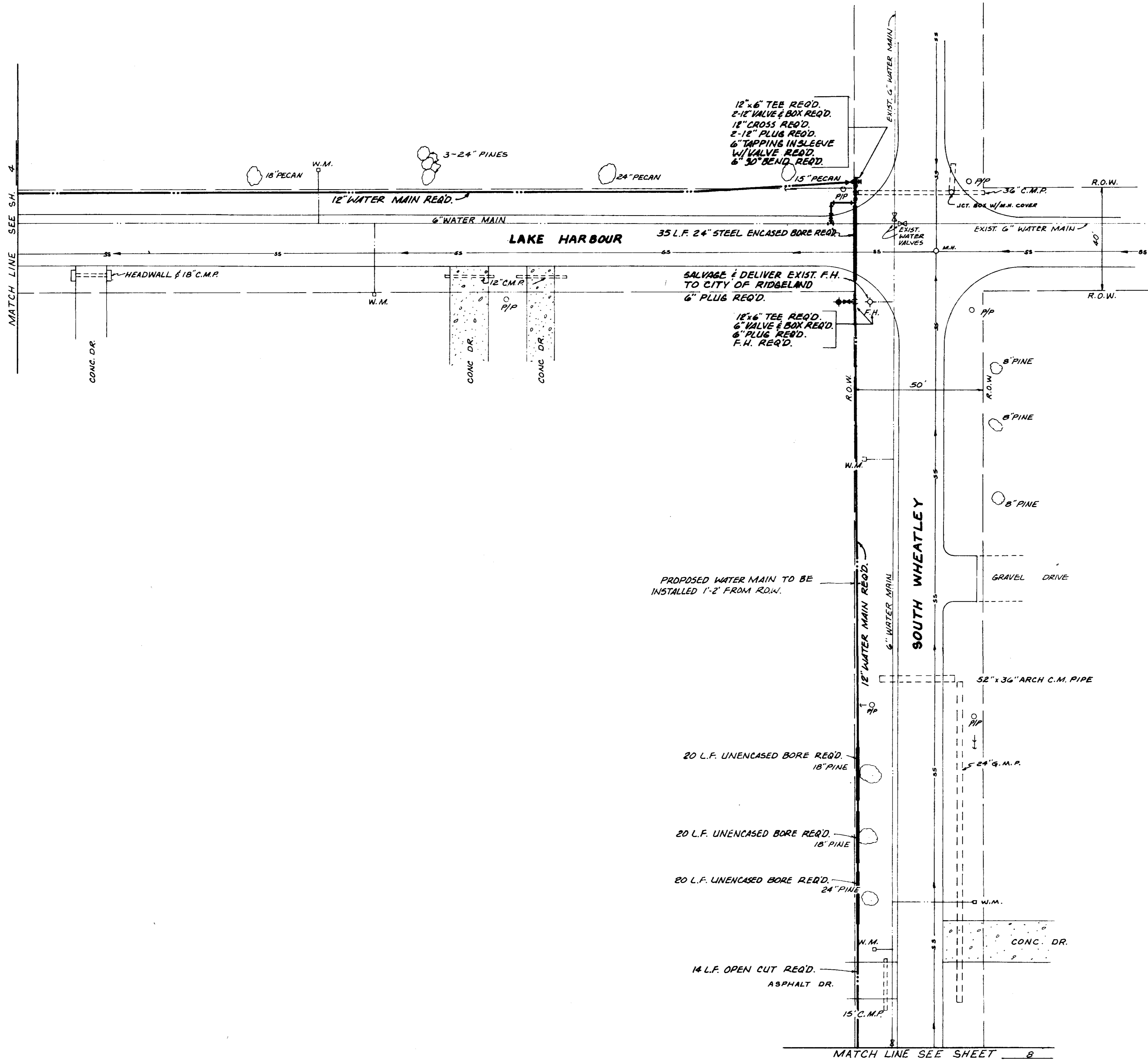
MATCH LINE SEE SH. 4



CITY OF RIDGELAND	
WATER DISTRIBUTION	
SYSTEM IMPROVEMENTS	
CONTRACT III	
JOE A. WASSONER	Civil Engineer - Birmingham/Anderson, Ala.
DATE: 6-27-63	SHEET NO.
SCALE: 1" = 20'	48 OF 21

DRAWN BY: R.G.L.
 CHECKED BY:
 APPROVED BY:

LINE 2'



12" x 6" TEE REQ'D.
 2-12" VALVE & BOX REQ'D.
 12" CROSS REQ'D.
 2-12" PLUG REQ'D.
 6" TAPPING INSLEEVE
 W/VALVE REQ'D.
 6" 30" BEND REQ'D.

SALVAGE & DELIVER EXIST. F.H.
 TO CITY OF RIDGELAND
 6" PLUG REQ'D.

18" x 6" TEE REQ'D.
 6" VALVE & BOX REQ'D.
 6" PLUG REQ'D.
 F.H. REQ'D.

PROPOSED WATER MAIN TO BE
 INSTALLED 1'-2" FROM R.O.W.

20 L.F. UNENCASED BORE REQ'D.
 18" PINE

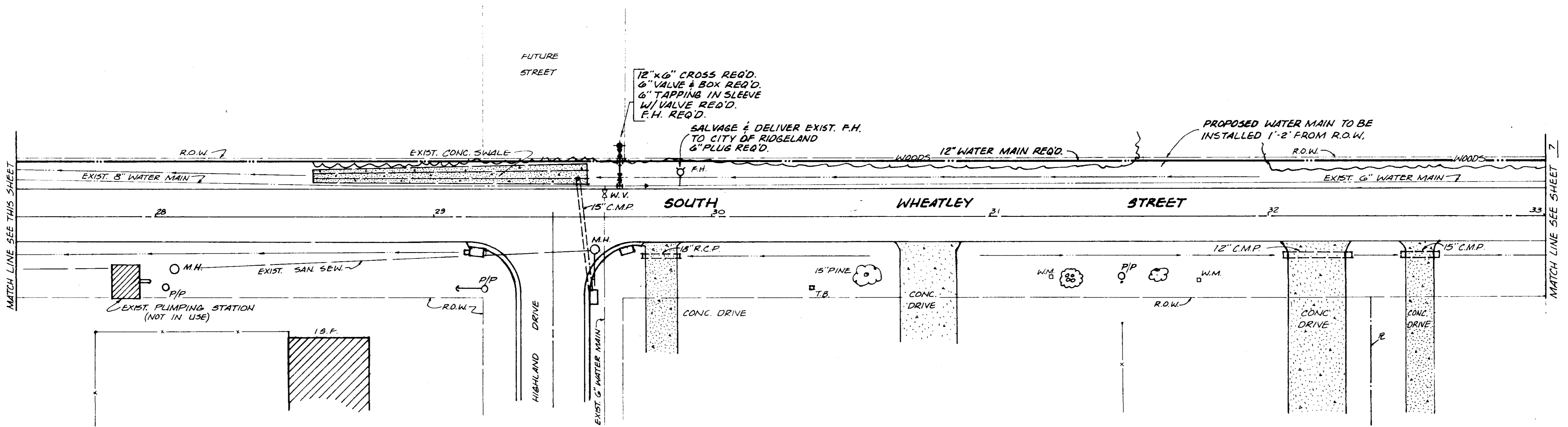
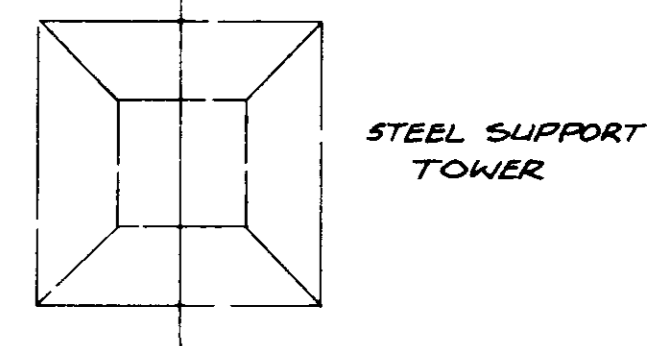
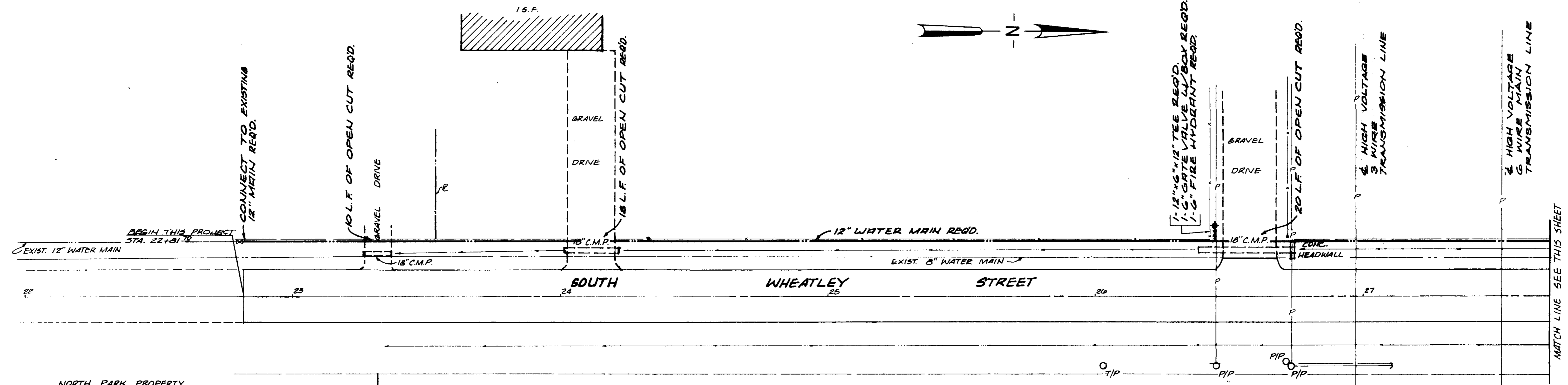
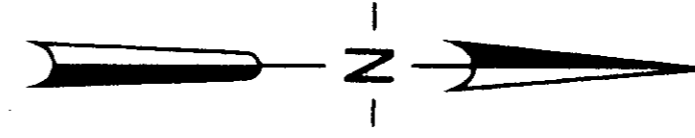
20 L.F. UNENCASED BORE REQ'D.
 18" PINE

20 L.F. UNENCASED BORE REQ'D.
 24" PINE

14 L.F. OPEN CUT REQ'D.
 ASPHALT DR.

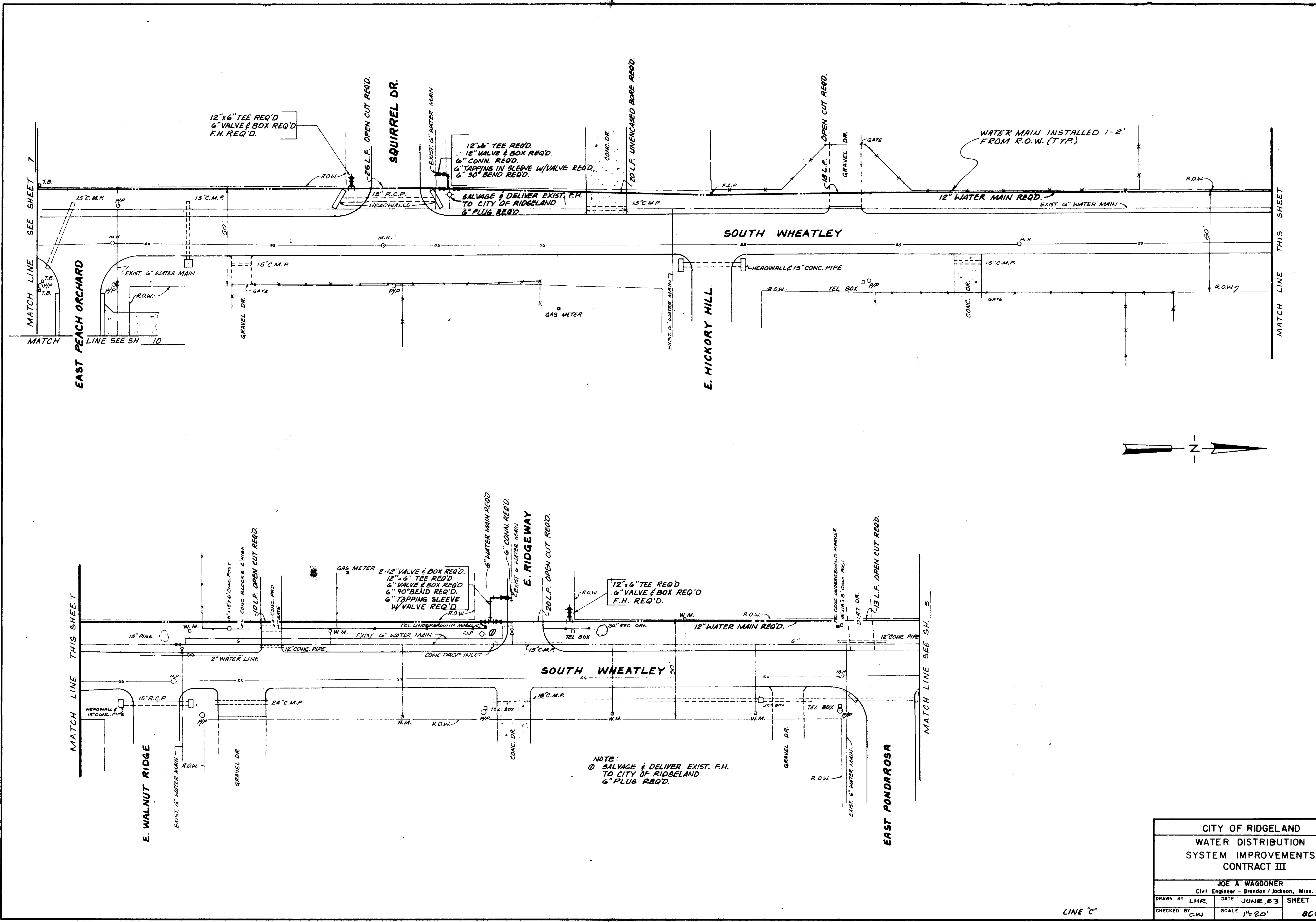
CITY OF RIDGELAND		
WATER DISTRIBUTION SYSTEM IMPROVEMENTS CONTRACT II		
JOE A. WAGGONER Civil Engineer - Brandon / Jackson, Miss.		
DRAWN BY: R.G.H.	DATE: 6-27-83	SHEET NO.
CHECKED BY:	SCALE: 1" = 20'	58 OF 21
APPROVED BY:		

LINE "B"



CITY OF RIDGELAND		
WATER DISTRIBUTION		
SYSTEM IMPROVEMENTS		
CONTRACT III		
JOE A. WAGGONER Civil Engineer - Brandon / Jackson, Miss.		
DRAWN BY: H.L.J.	DATE: 6-30-83	SHEET NO.
CHECKED BY:	SCALE:	60 OF 21
APPROVED BY:		

LINE 'C'



12"x6" TEE REQ'D
6" VALVE & BOX REQ'D
F.H. REQ'D.

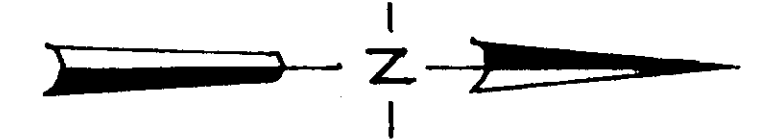
12"x6" TEE REQ'D
12" VALVE & BOX REQ'D
6" CONN. REQ'D
6" TAPPING IN SLEEVE W/VALVE REQ'D
6" 90° BEND REQ'D.

SALVAGE & DELIVER EXIST. F.H.
TO CITY OF RIDGELAND
6" PLUG REQ'D.

WATER MAIN INSTALLED 1-2'
FROM R.O.W. (TYP.)

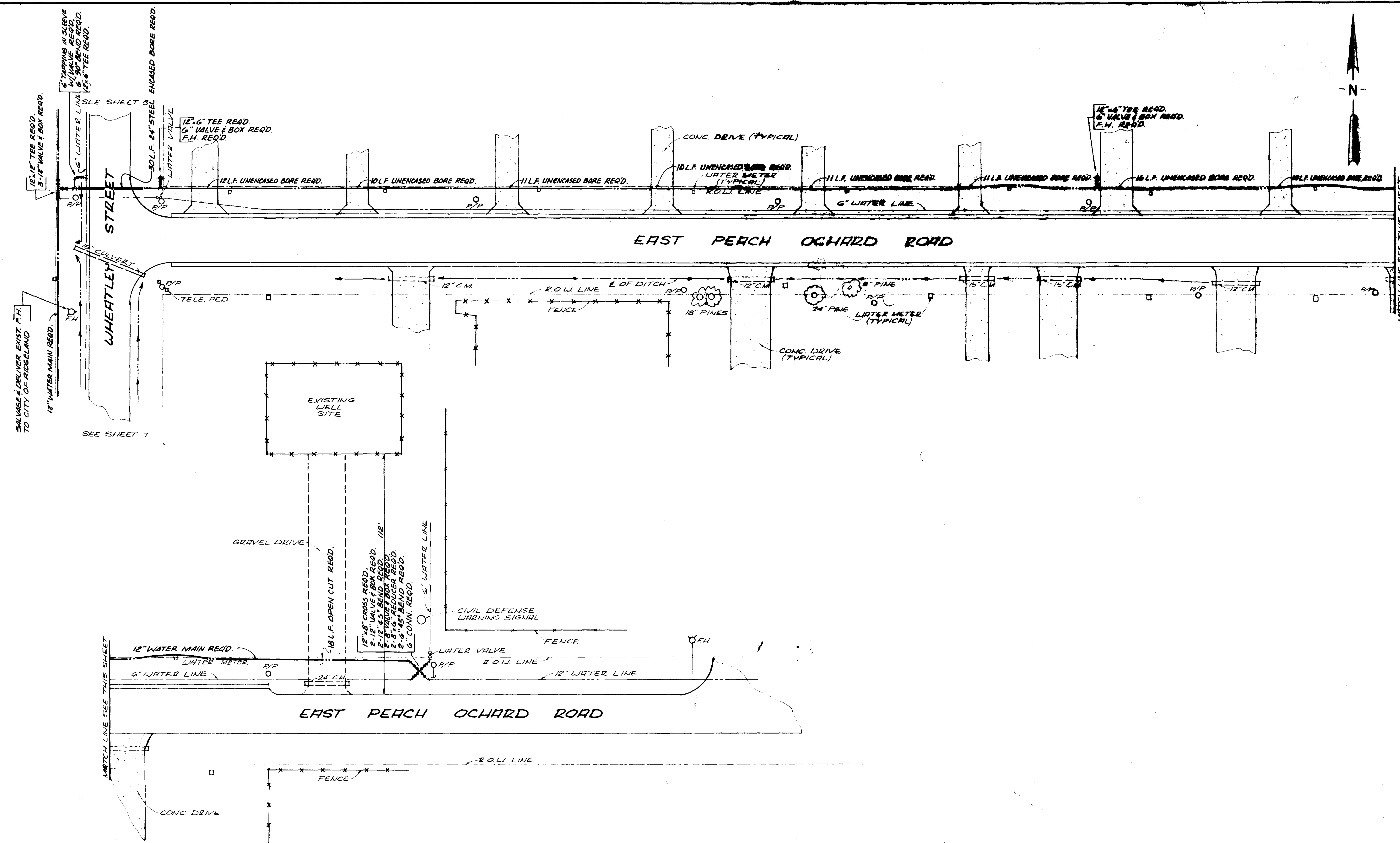
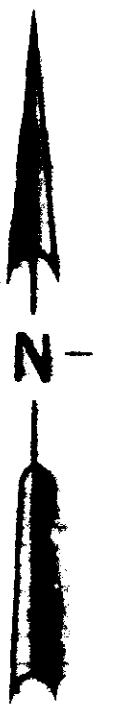
12"x6" TEE REQ'D
6" VALVE & BOX REQ'D
F.H. REQ'D.

NOTE:
① SALVAGE & DELIVER EXIST. F.H.
TO CITY OF RIDGELAND
6" PLUG REQ'D.



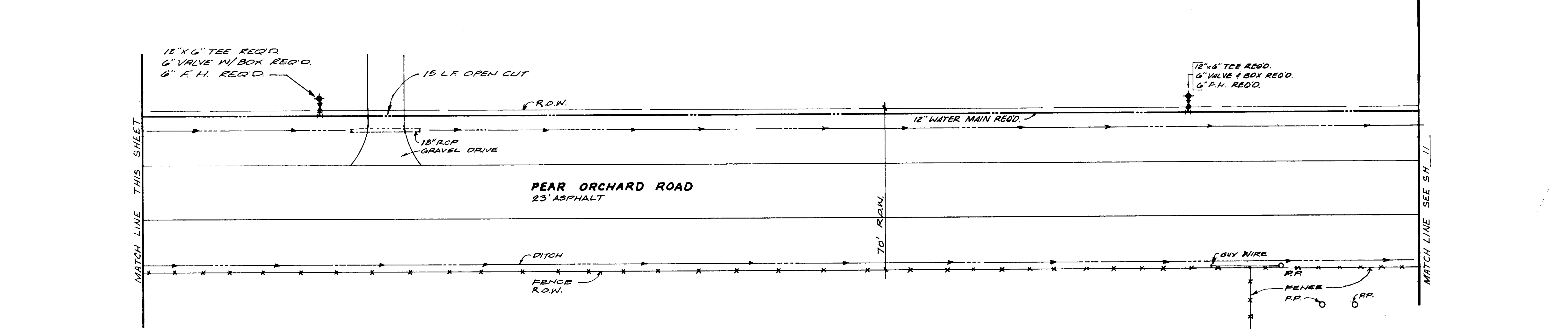
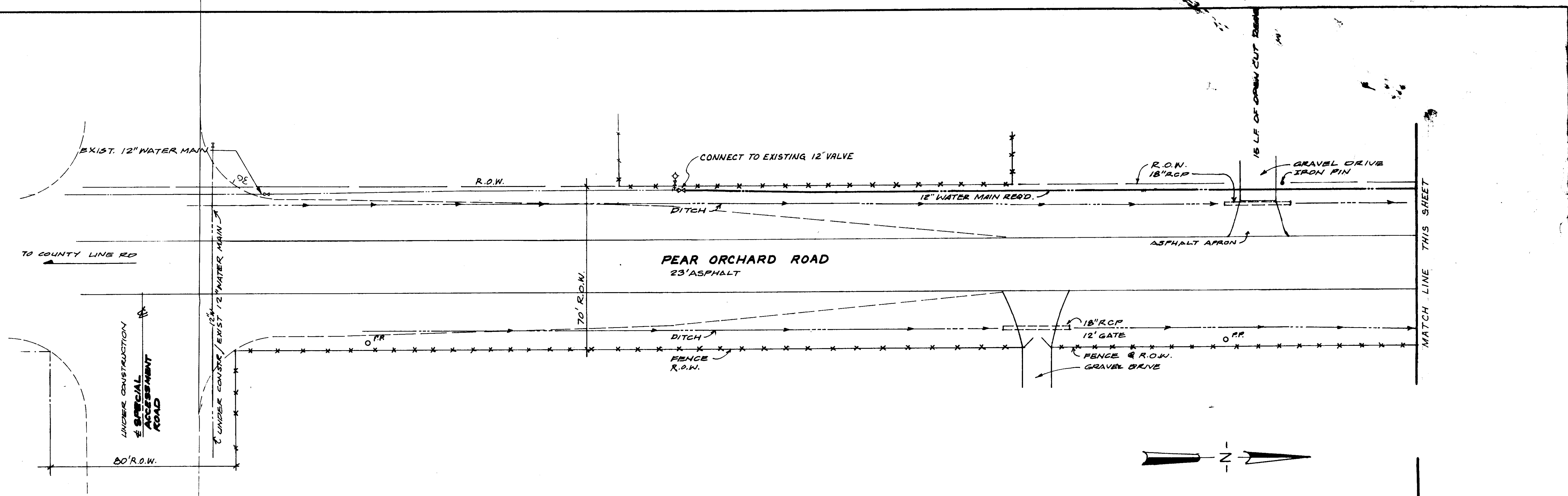
CITY OF RIDGELAND		
WATER DISTRIBUTION		
SYSTEM IMPROVEMENTS		
CONTRACT III		
JOE A. WAGGONER		
Civil Engineer - Brandon / Jackson, Miss.		
DRAWN BY: LHR	DATE: JUNE, 23	SHEET NO.
CHECKED BY: CW	SCALE: 1"=20'	80 OF 21

LINE "C"



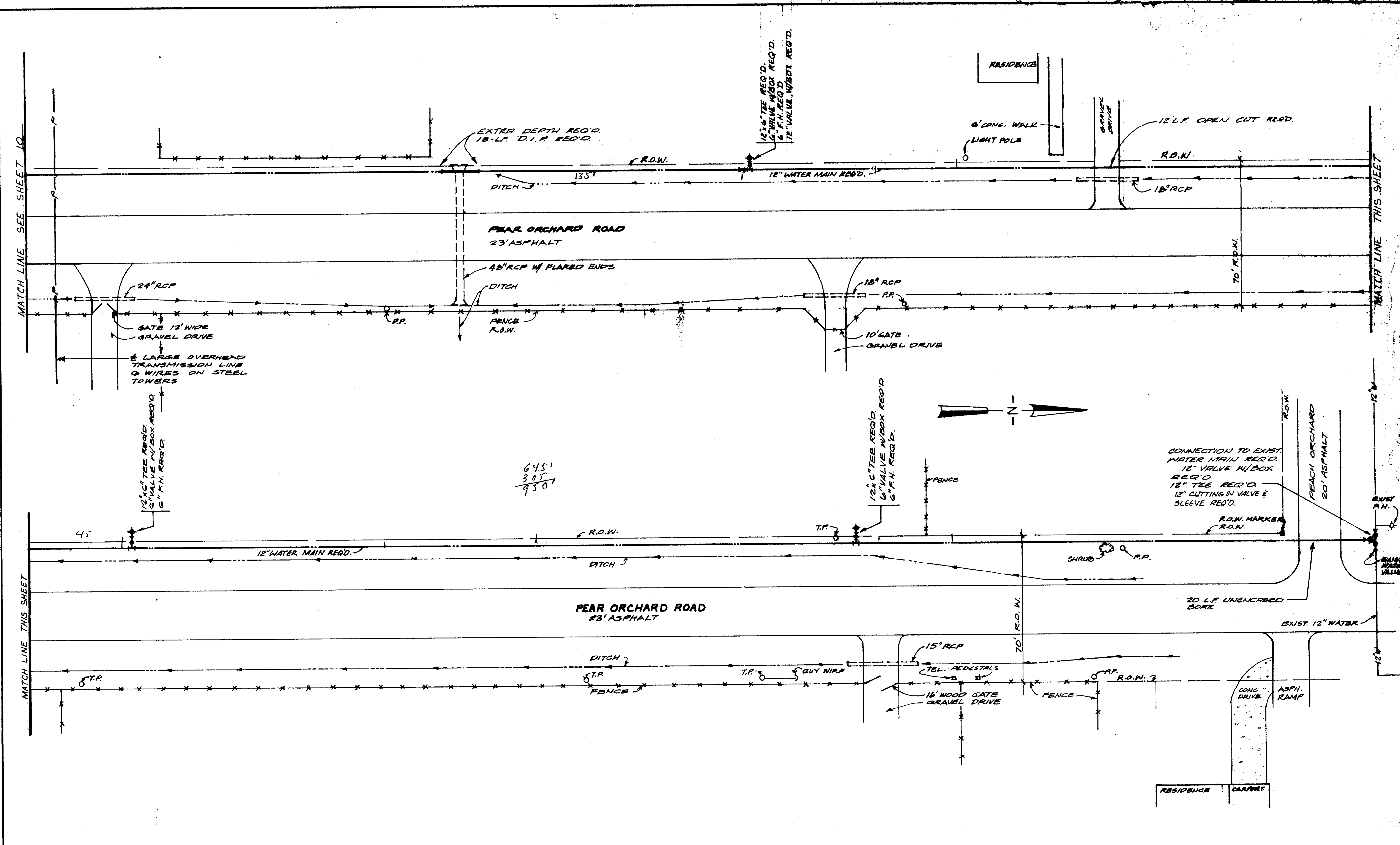
CITY OF RIDGELAND	
WATER DISTRIBUTION	
SYSTEM IMPROVEMENTS	
CONTRACT III	
JOHN A. MAGDOREK Civil Engineer - State of Georgia, Inc.	
BY: H.L.J.	DATE: JUNE 1950
SCALE: 1" = 40'	SHEET NO. 58 OF 81

LINE "D"



CITY OF RIDGELAND WATER DISTRIBUTION SYSTEM IMPROVEMENTS			
CONTRACT III			
JOE A. WAGGONER Civil Engineer - Brandon / Jackson, Miss.			
DRAWN BY LHR	DATE JUNE, 03	SHEET NO.	
CHECKED BY CW	SCALE 1" = 20'	10 E OF 21	

LINE "E"

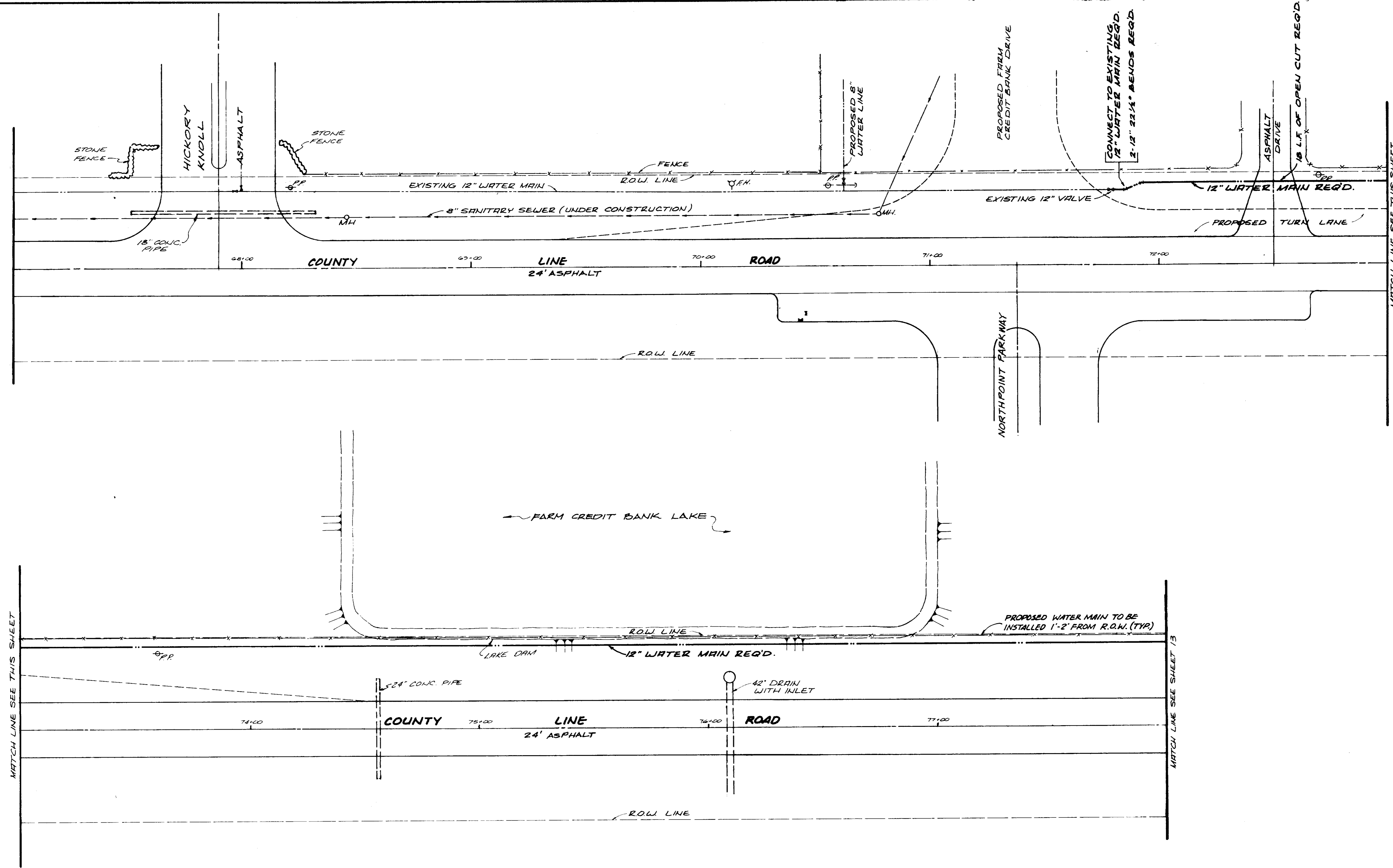
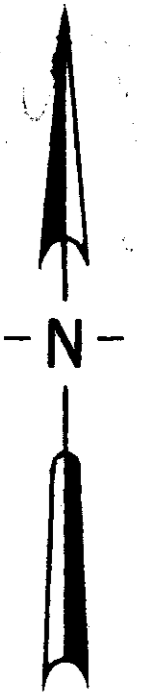


645
 305

 950

CITY OF RIDGELAND			
WATER DISTRIBUTION SYSTEM IMPROVEMENTS CONTRACT III			
JOE A. WAGGONER <small>Civil Engineer - Broadon / Jackson, Miss.</small>			
DRAWN BY: LHR	DATE: JUNE, 83	SHEET NO.	
CHECKED BY: CW	SCALE: 1" = 20'	11 E OF 21	

LINE "E"

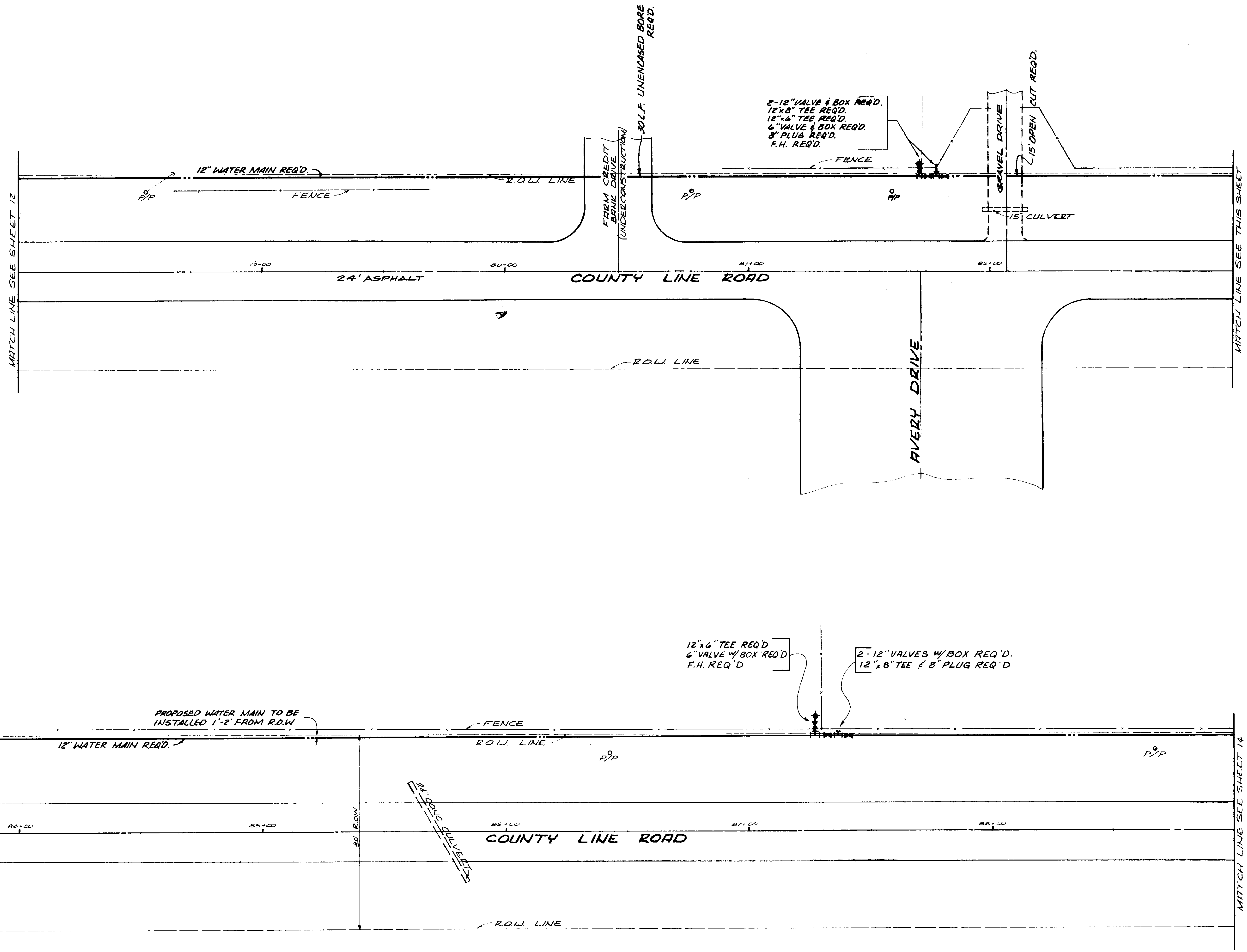
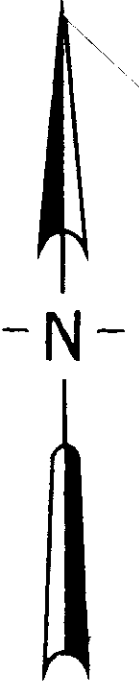


MATCH LINE SEE THIS SHEET

MATCH LINE SEE SHEET 13

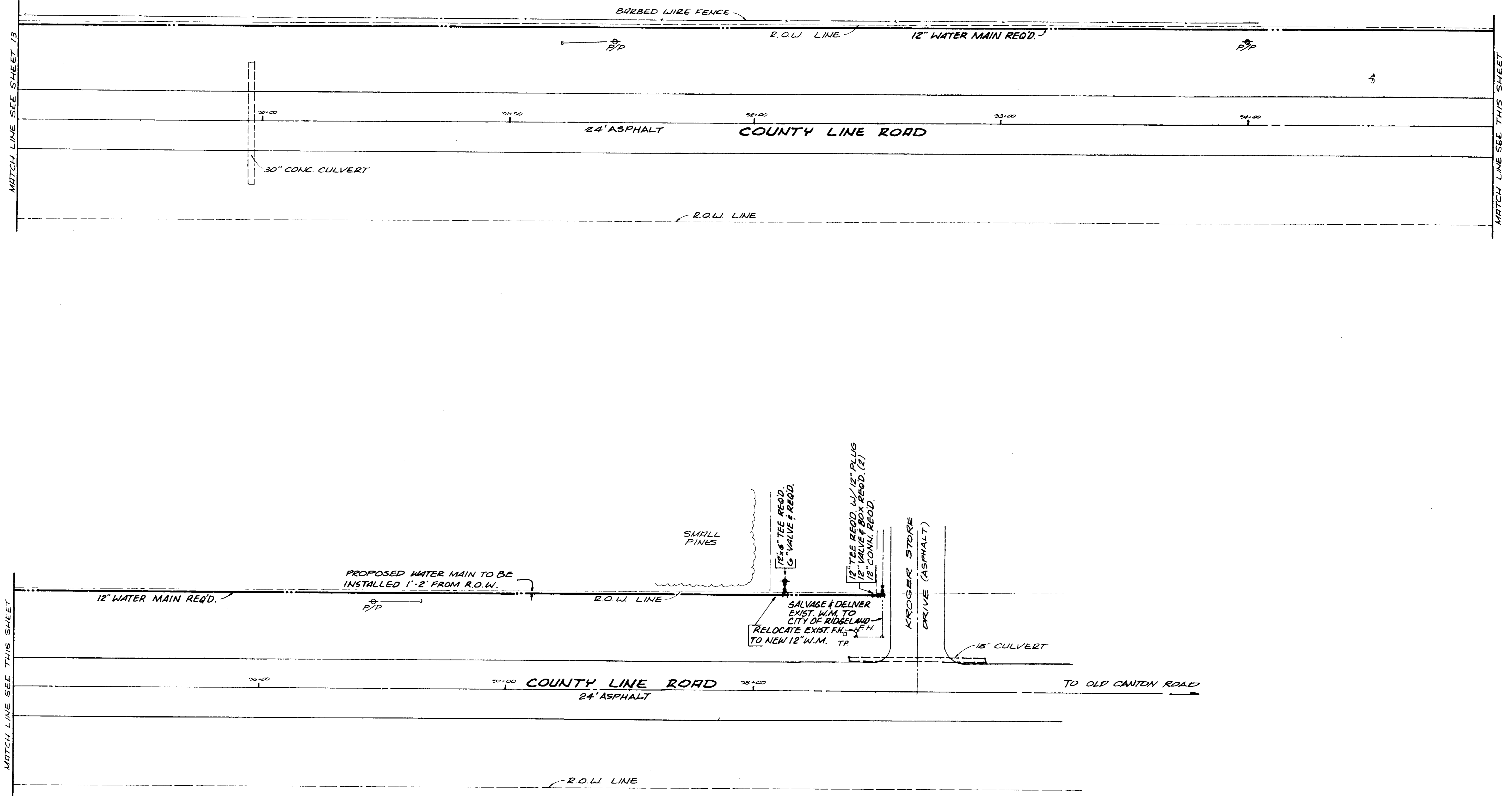
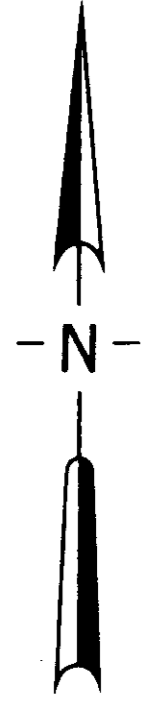
CITY OF RIDGELAND		
WATER DISTRIBUTION		
SYSTEM IMPROVEMENTS		
CONTRACT III		
JOE A. WAGGONER		
Civil Engineer - Brandon / Jackson, Miss.		
DRAWN BY: LHR	DATE: JUNE, 83	SHEET NO.
CHECKED BY: CW	SCALE: 1"=20'	12 F OF 21

LINE "F"



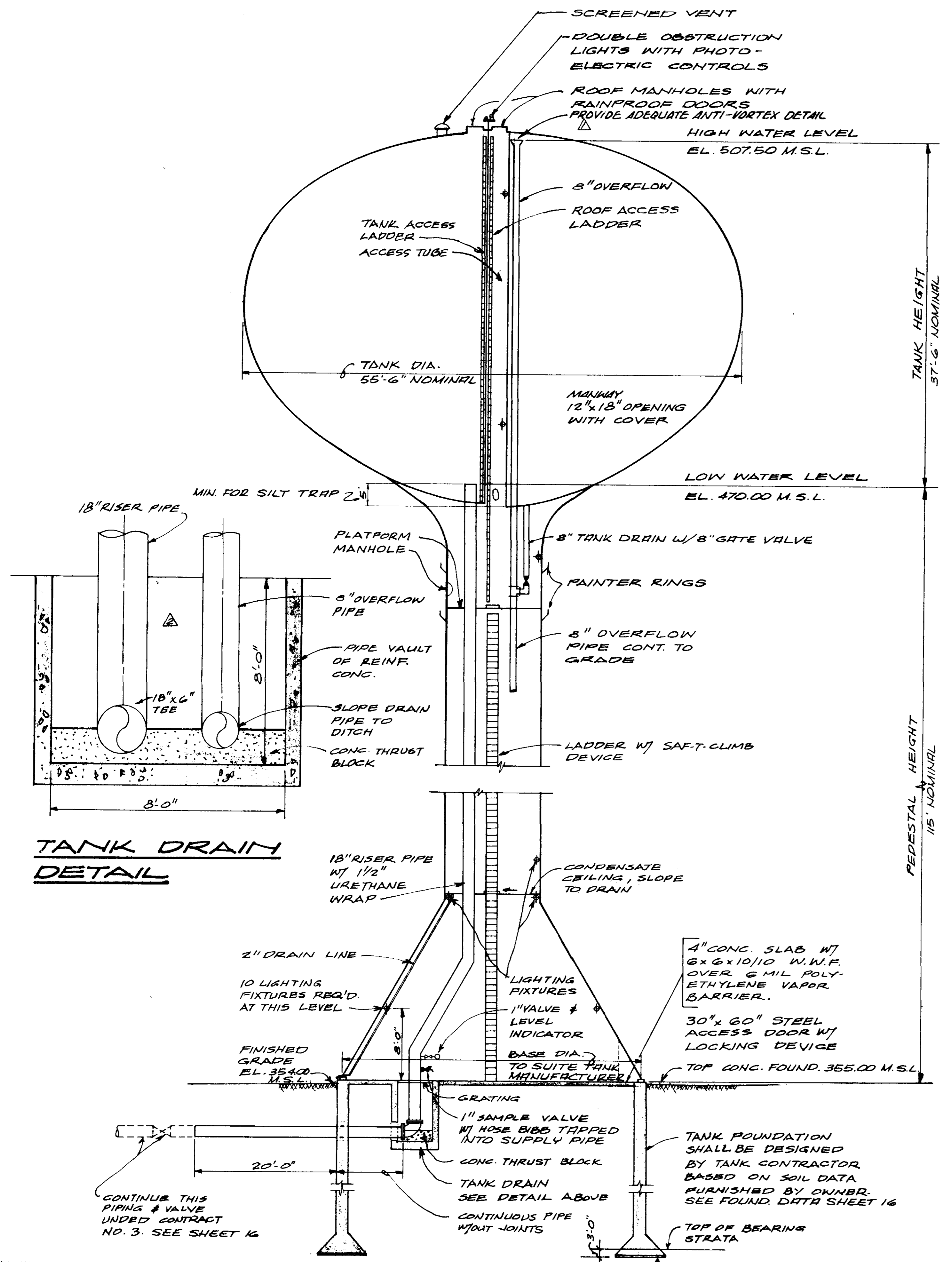
CITY OF RIDGELAND		
WATER DISTRIBUTION		
SYSTEM IMPROVEMENTS		
CONTRACT III		
JOE A. WAGGONER Civil Engineer - Brandon/Jackson, Miss.		
DRAWN BY: LHR	DATE: JUNE 83	SHEET NO.
CHECKED BY: CW	SCALE: 1"=20'	13 OF 21

LINE 'F'



CITY OF RIDGELAND		
WATER DISTRIBUTION		
SYSTEM IMPROVEMENTS		
CONTRACT III		
JOE A. WAGGONER		
Civil Engineer - Brandon / Jackson, Miss.		
DRAWN BY: LHK	DATE: JUNE, 03	SHEET NO.
CHECKED BY: CW	SCALE: 1"=20'	14 OF 21

LINE "F"

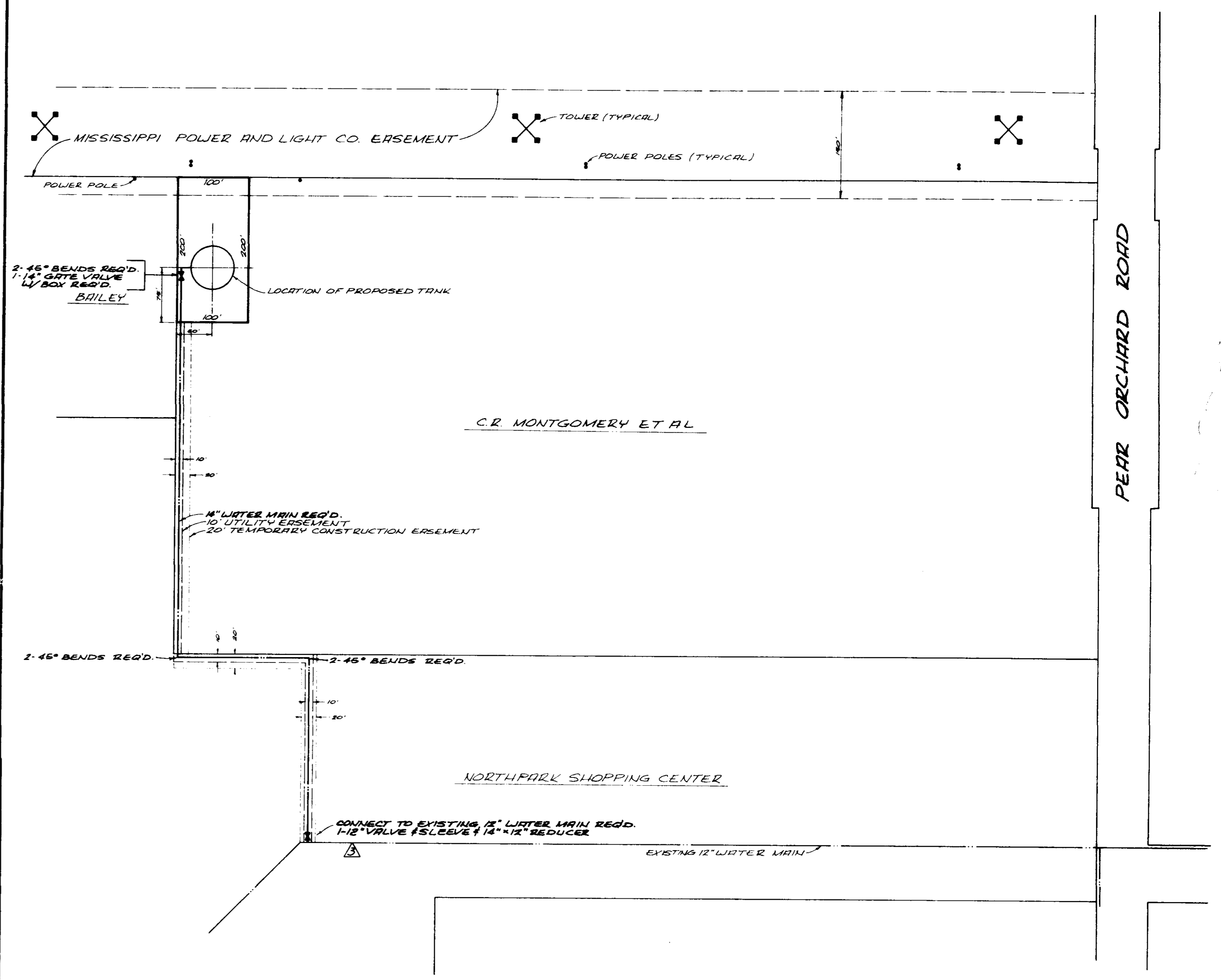


**TANK DRAIN
DETAIL**

**BASE BID
SINGLE PEDESTAL TANK
SECTIONAL ELEVATION**

NOT TO SCALE

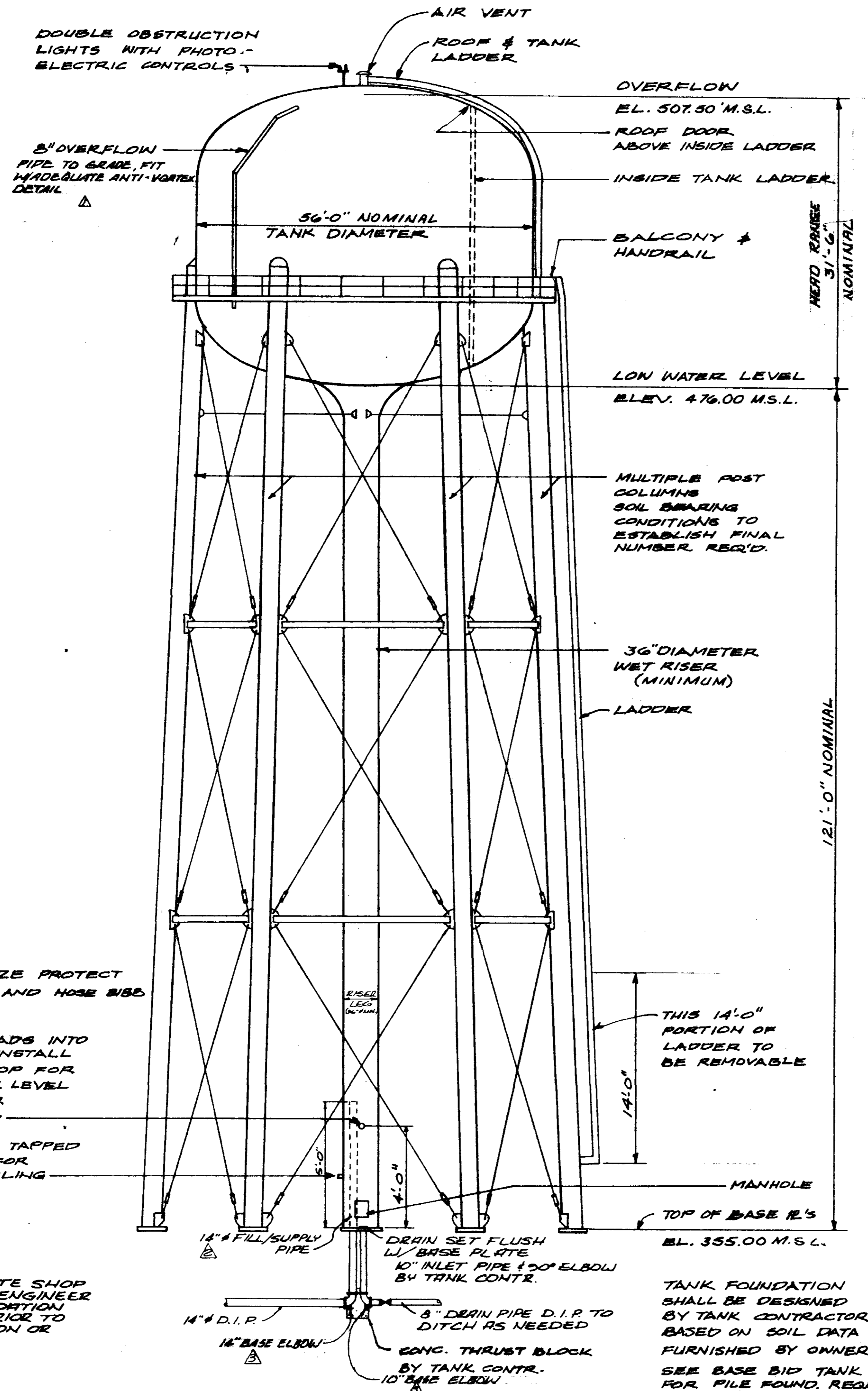
NOTE: SUBMIT COMPLETE SHOP DRAWINGS TO ENGINEER FOR TANK FOUNDATION ASSESSORIES PRIOR TO ANY FABRICATION OR CONSTRUCTION



VICINITY MAP
PROPOSED 500,000 GAL. ELEVATED WATER STORAGE TANK
SCALE 1" = 100'

NO.	REVISION	DATE
1	CHANGED PIPE SIZE 14" TO 12"	7-28-83
2	DELETED 6" GATE VALVE	7-28-83
3	ADDED ANTI-VORTEX DETAIL	7-28-83

CITY OF RIDGELAND			
ELEVATED WATER STORAGE FACILITY CONTRACT I			
JOE A. WAGGONER Civil Engineer - Brandon/Jackson, Miss.			
DRAWN BY: LHR	DATE: JUNE, 83	SHEET NO.	
CHECKED BY: CW	SCALE: AS NOTED	15 OF 21	



NOTE: FREEZE PROTECT CURB STOP AND HOSE BIBB

TAP 1/2" THREADS INTO RISER AND INSTALL 1/2" CURB STOP FOR FUTURE TANK LEVEL TRANSMITTER CONNECTION

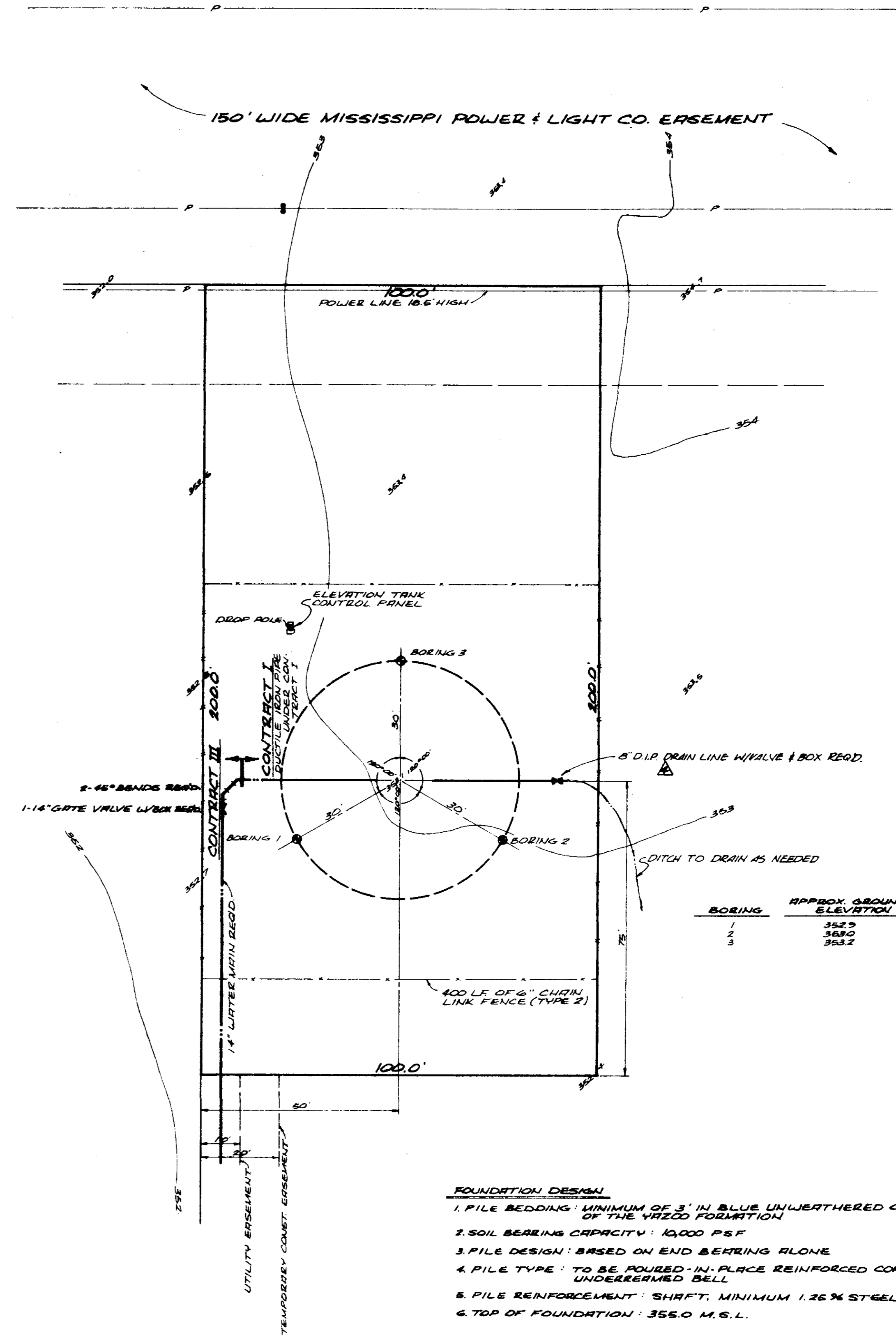
1/2" HOSE BIB TAPPED INTO RISER FOR WATER SAMPLING

NOTE: SUBMIT COMPLETE SHOP DRAWINGS TO ENGINEER FOR TANK FOUNDATION ACCESSORIES PRIOR TO ANY FABRICATION OR CONSTRUCTION

TANK FOUNDATION SHALL BE DESIGNED BY TANK CONTRACTOR BASED ON SOIL DATA FURNISHED BY OWNER. SEE BASE BID TANK DRAWING FOR FILE FOUND. REQUIREMENTS.

MULTIPLE COLUMN TANK ELEVATION ALTERNATE BID

NOT TO SCALE



BOILING	APPROX. GROUND ELEVATION	DEPTH TO TOP OF BLUE CLAY
1	352.2	3'
2	359.0	32'
3	353.2	32'

FOUNDATION DESIGN

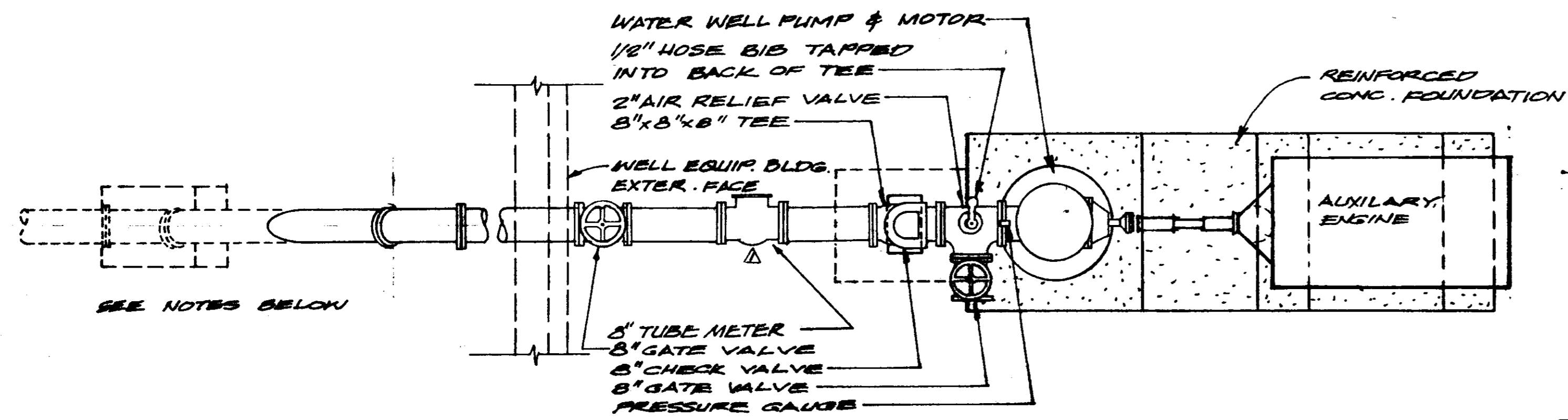
1. PILE BEDDING: MINIMUM OF 3" IN BLUE UNWEATHERED CLAY OF THE YAZOO FORMATION
2. SOIL BEARING CAPACITY: 10,000 PSF
3. PILE DESIGN: BASED ON END BEARING ALONE
4. PILE TYPE: TO BE POURED-IN-PLACE REINFORCED CONCRETE, UNDERREINFORCED BELL
5. PILE REINFORCEMENT: SHAFTS, MINIMUM 1.25% STEEL
6. TOP OF FOUNDATION: 355.0 M.S.L.

TANK SITE PLAN

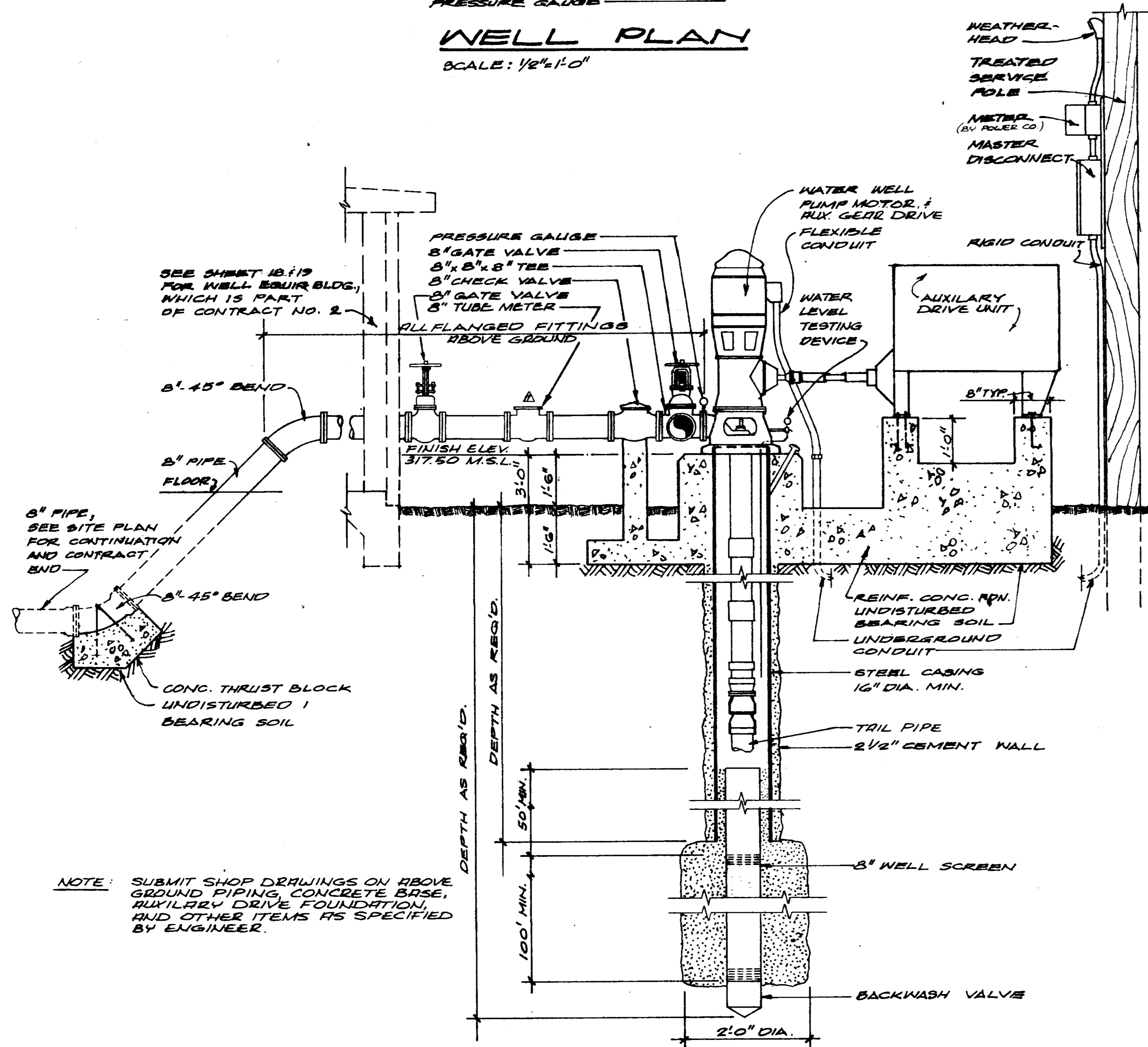
SCALE: 1" = 20'

CITY OF RIDGELAND			
ELEVATED WATER STORAGE FACILITY			
CONTRACT I			
JOE A. WAGGONER Civil Engineer - Brandon/Jackson, Miss.			
DRAWN BY: LHR	DATE: JUNE 93	SHEET NO.	
CHECKED BY: GW	SCALE: AS NOTED	16 OF 21	

ADD 8" DRAIN W/ VALVE & BOX	7-28-83
ADD BASE ELBOWS	7-28-83
CHANGE PIPE SIZE 10" TO 14"	7-28-83
ADD 8" DRAIN WITH VALVE & BOX	7-28-83
ADD 10" BASE ELBOW	DATE

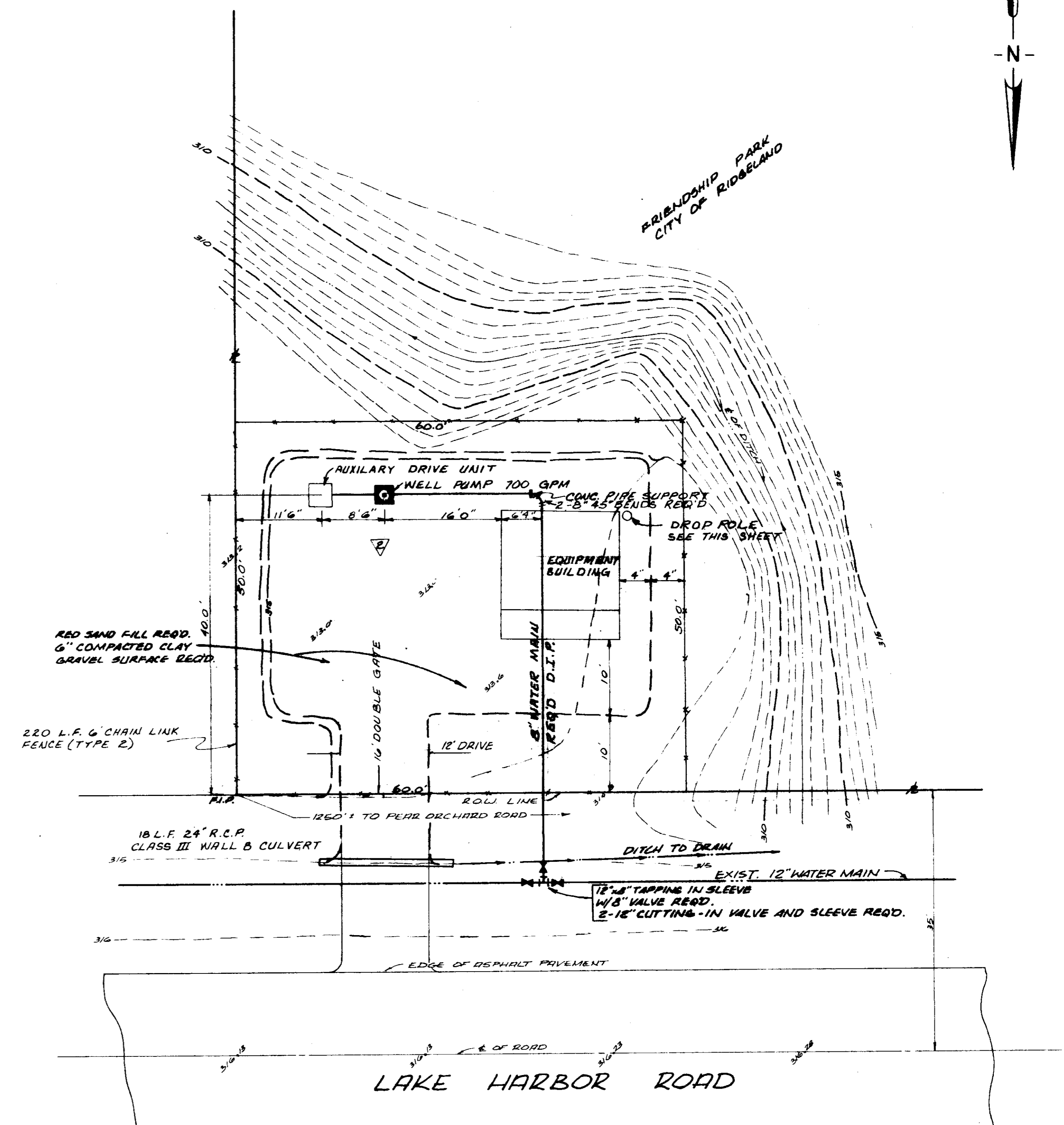


WELL PLAN
SCALE: 1/2"=1'-0"



WELL SECTIONAL ELEVATION
SCALE: 1/2"=1'-0"

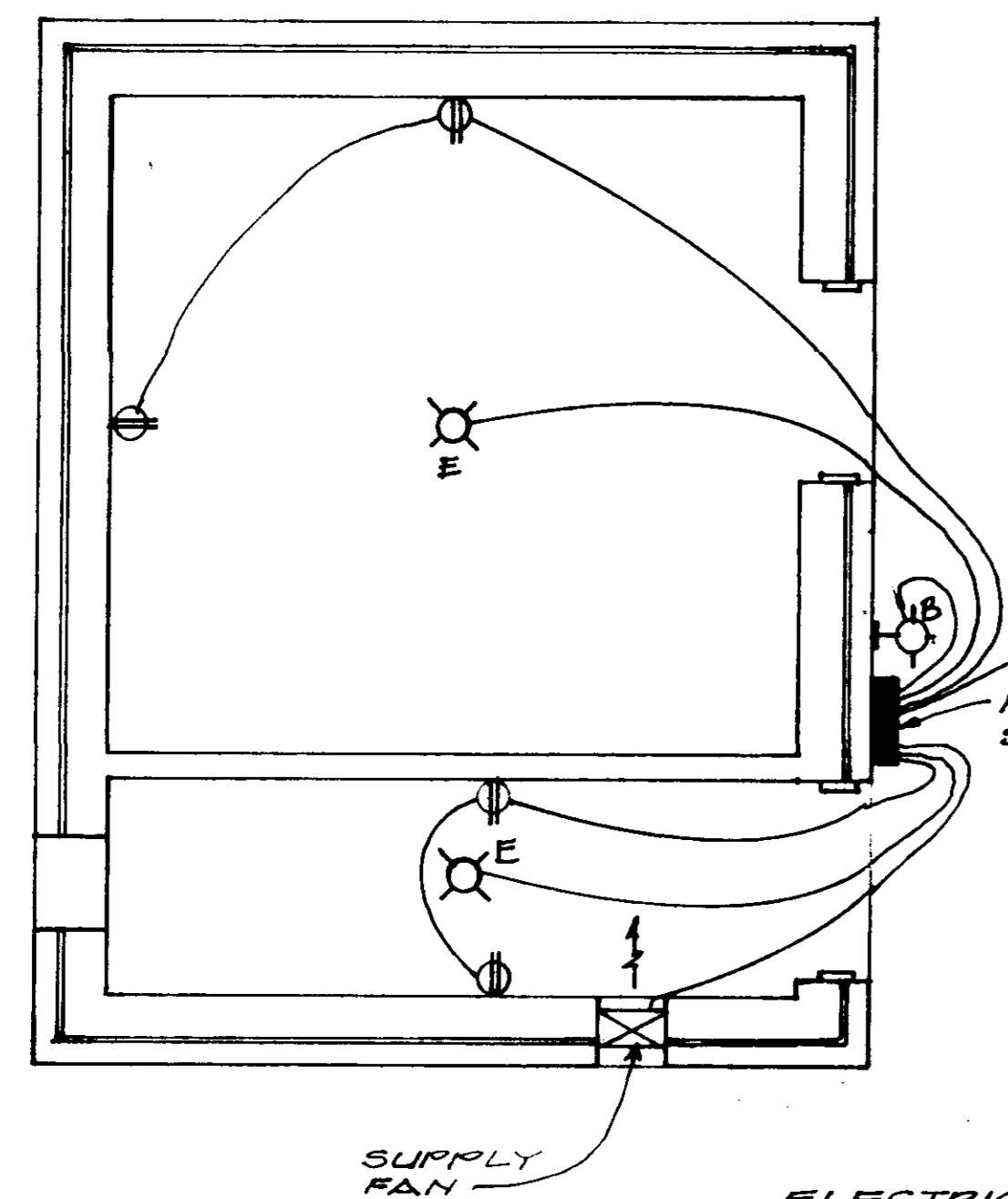
NOTE: SUBMIT SHOP DRAWINGS ON ABOVE GROUND PIPING, CONCRETE BASE, AUXILIARY DRIVE FOUNDATION, AND OTHER ITEMS AS SPECIFIED BY ENGINEER.



WELL SITE PLAN
SCALE: 1"=10'

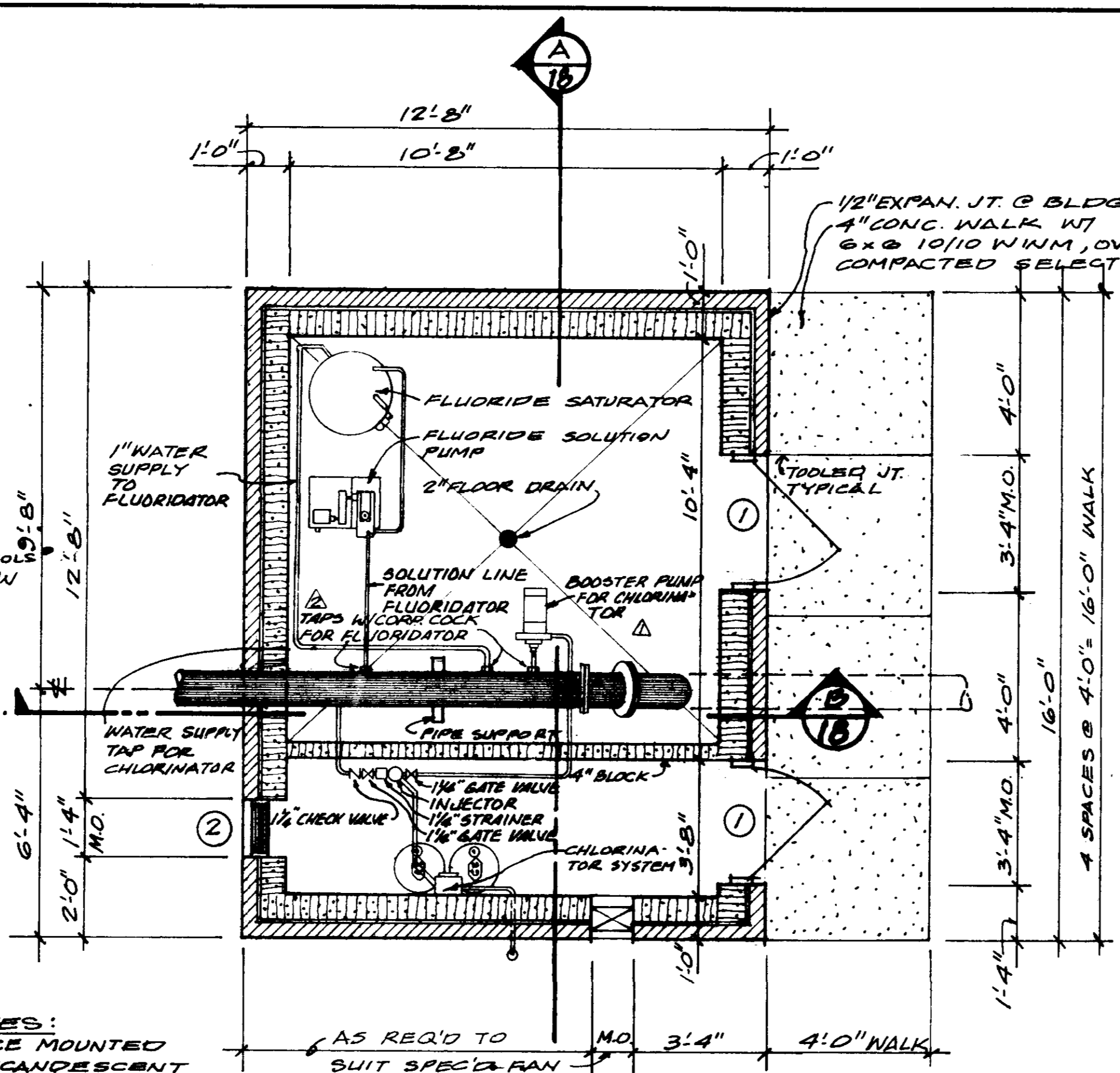
NOTES: INCLUDE IN CONTRACT NO. 2 LUMP SUM PRICE BID:
1. CLEARING AND GRUBBING, SITE GRADING AND CONSTRUCTION OF ALL IMPROVEMENTS (EXCEPT AS NOTED OTHERWISE) WITHIN THE CONTRACT NO. 2 CONSTRUCTION LIMITS.
2. GROUND COVER REPLACEMENT, WHERE NATURAL VEGETATIVE COVER WAS REMOVED OR DISTURBED DURING CONSTRUCTION WITHIN THE CONTRACT NO. 2 CONSTRUCTION LIMITS.

REVISED WELL SITE LAYOUT	6/7/81
ADDED 5" TUBE METER	7-10-82
REVISION	CHT
WATER SUPPLY FACILITY	
CONTRACT NO. 2	
WATER SYSTEM	
ADDITIONS 1983	
RIDGELAND, MISSISSIPPI	
JOE A. WAGGONER Civil Engineer - Brandon/Jackson, Miss.	
DRAWN BY: R. PROFFER	DATE: JUL 81
CHECKED BY: WIL-LIPKOP	SCALE: AS NOTED
SHEET NO.	17 OF 21



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

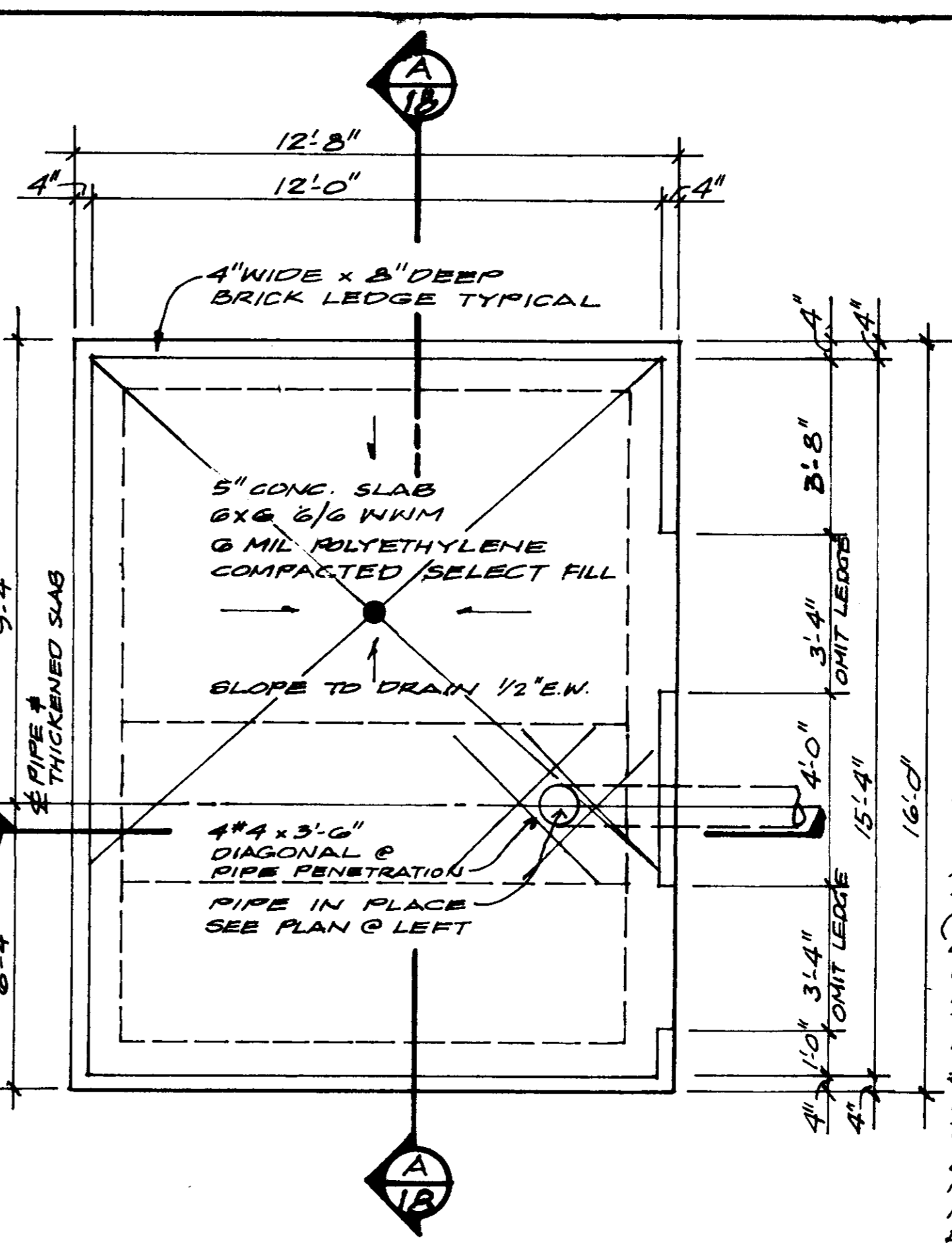
ELECTRICAL NOTES:
 FIXTURE E = SURFACE MOUNTED EXPLOSION PROOF INCANDESCENT
 FIXTURE B = WALL BRACKET INCANDESCENT WITH INDUSTRIAL TYPE GUARD.
 RAIN TIGHT SWITCH BOX TO BE FED BY UNDERGROUND POWER FROM DISCONNECT ON POLE WHICH IS SHOWN ON WELL DRAWINGS.
 SUBMIT COMPLETE WIRING DIAGRAM SHOWING ROUTING, WIRE SIZE & TYPE, FIXTURE & OUTLET SELECTIONS & COMPLETE ELECTRICAL HOOKUP FOR ALL PUMPS, MOTORS & DEVICES REQUIRING ELECTRICAL POWER FOR OPERATION.
 ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL ELECTRIC CODE & CITY ORDINANCES.
 ALL ELECTRICAL MATERIALS & WORKMANSHIP SHALL BE NON-CORROSIVE IN NATURE DUE TO CHEMICAL USE OF THE FACILITY, & NATURAL WEATHERING CONDITIONS.



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

GENERAL NOTES:
 CEILING: 1/2" CD (EXTERIOR GLUE) FIR PLYWOOD, PAINTED WHITE WITH 2 COATS HIGH GLOSS ENAMEL OVER APPROVED PRIME COAT. NON-CORROSIVE NAILS THROUGHOUT. 1 1/2" FIR BATTENS @ PERIMETER. TIGHT-FIT ALL BUTT JOINTS.
 CONC. BLOCK SHALL BE CLEANED AND SEALED WITH APPROVED BLOCK SEALER, INSIDE & OUT.
 CONC. FLOOR SLAB TO BE STEEL TROWEL FINISHED AND COATED WITH APPROVED SEALER/HARDENER.
 DOORS ARE 6'-6" HIGH TO ACCOMMODATE LOW HEADROOM & TO ELIMINATE CUT BLOCK. SMOOTH-CUT DOORS FROM 6'-8" STOCK WOOD SOLID CORE DOORS, CUTTING INTO SOLID WOOD ONLY.
 PRIME & PAINT DOORS & FRAMES WITH APPROVED EXTER. HOUSE PAINT, COLOR CHARCOAL GREY.
 PAINT FASCIA & TRIM SAME AS DOORS - DOOR HINGES & HARDWARE TO BE HEAVY BRASS CONSTRUCTION AS APPROVED BY OWNER.

TYPICAL WALL NOTES
 4" BRICK APPROVED BY OWNER
 8" CONC. BLOCK
 CONT. 12" NOMINAL WIDTH WALL REINF. @ EA. 8" COURSE
 16" O.C.
 NERVASTRAL THRU-WALL BASE FLASHING.
 WEEPS, 48" O.C.
 FINISH GRADE

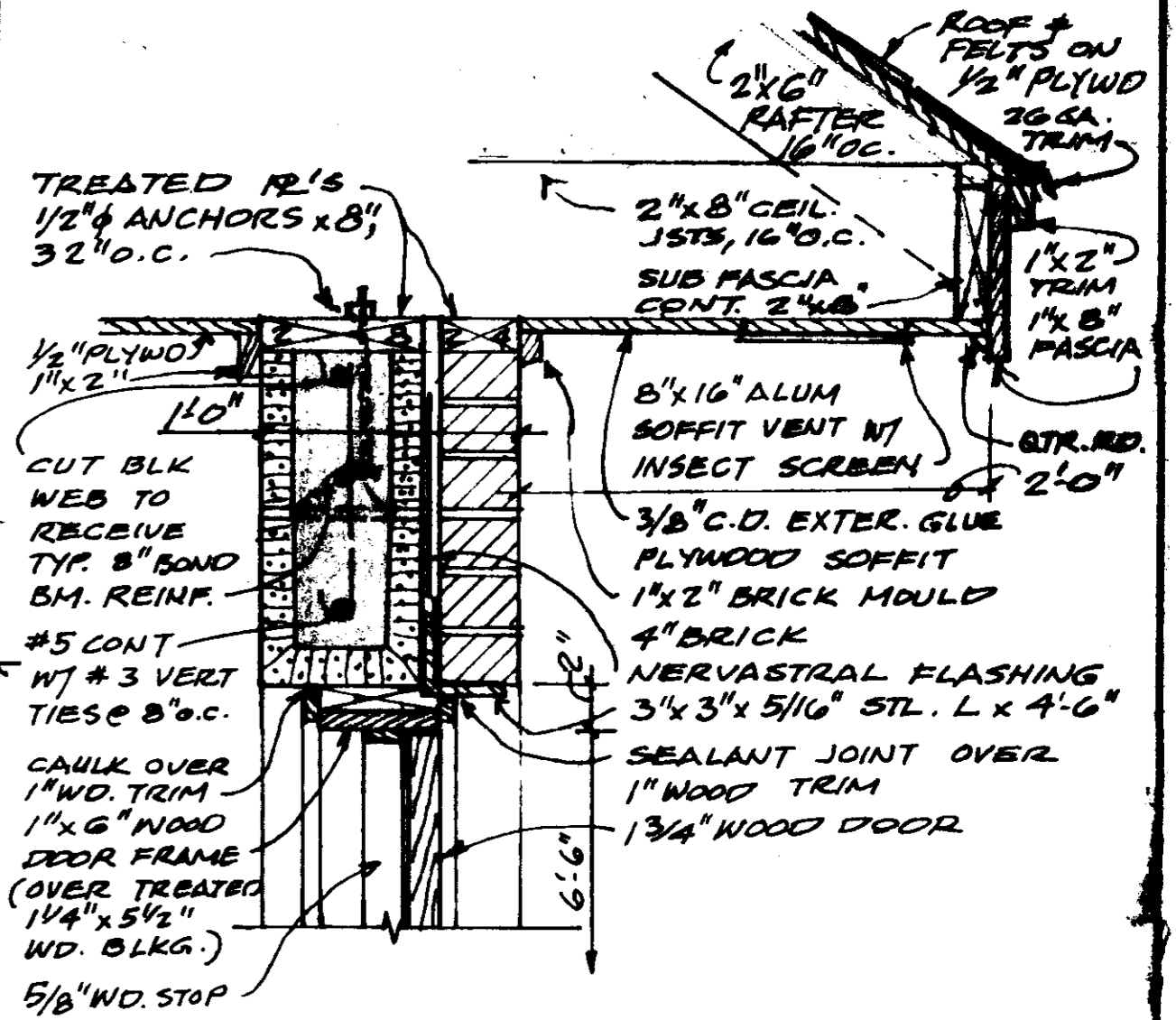


FOUNDATION PLAN
SCALE: 3/8" = 1'-0"

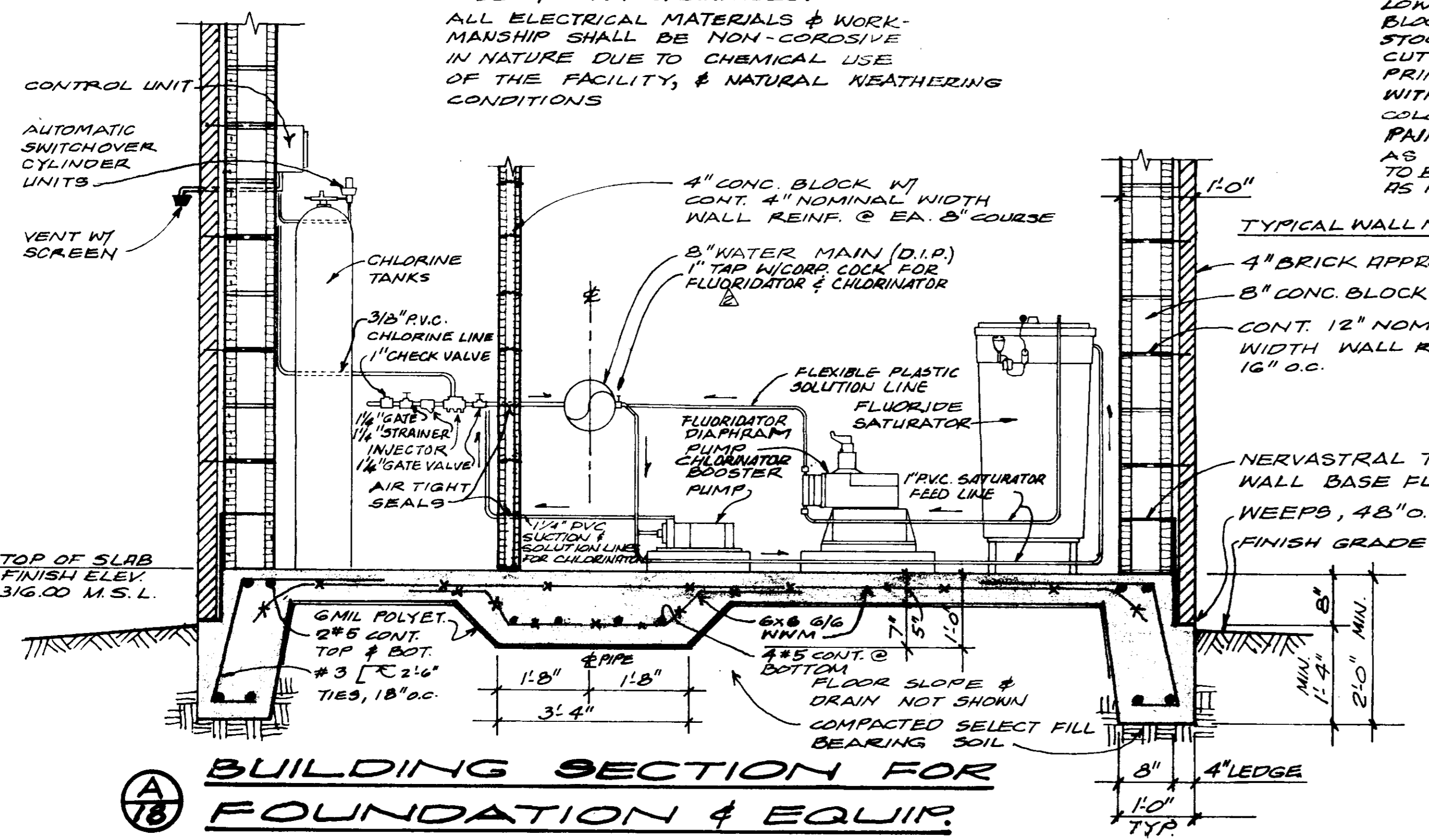
CONC. = 3000 PSI 28 DAY COMPRESSIVE STRENGTH
 REINF. = A615 GRADE 40 PER CRSI PLACING & FAB.
 CORNER BARS = 1 PER MAIN GRADE 40 BAR, 2" G x 2" G TIED IN PLACE.

OPENING SCHED.

MARK	SIZE	DESCRIPTION
1	3'-0" x 6'-6" x 1 3/4"	SOLID CORE FLUSH WOOD DOOR IN WOOD FRAME
2	1'-4" x 1'-4" x 4"	WOOD LOUVER IN WOOD FRAME, INSECT SCREEN @ INTERIOR SIDE.

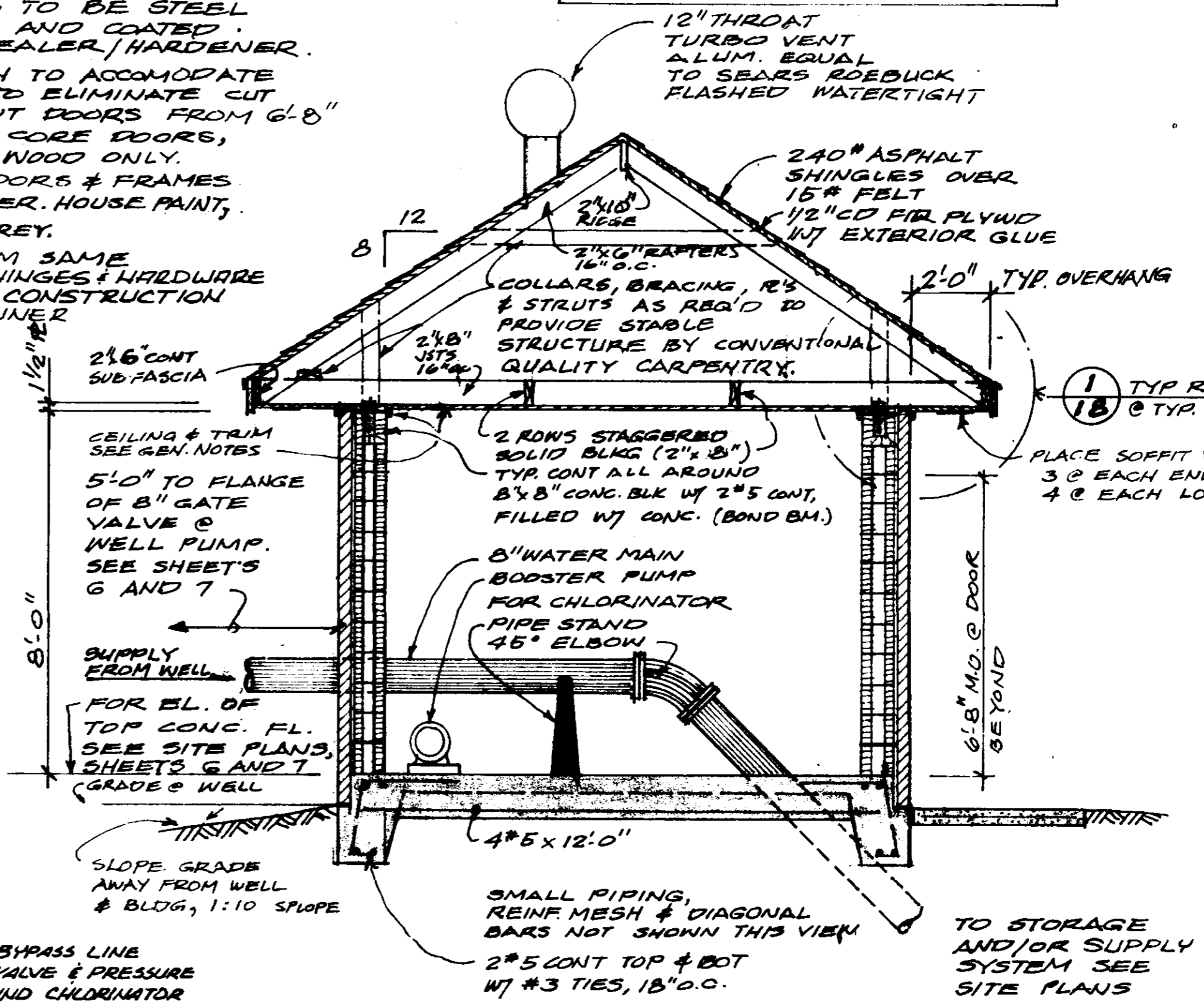


TYP. ROOF OVERHANG & TYP. DOOR HEAD
SCALE: 1/2" = 1'-0"



BUILDING SECTION FOR FOUNDATION & EQUIP.
NOT TO SCALE:

SUBMIT COMPLETE EQUIP. LIST & INSTALLATION DRAWINGS, TO PROVIDE A COMPLETE CHLORINE/FLUORIDE DOSING SYSTEM COMPLETE W/ CONTROLS, READY FOR OPERATION.



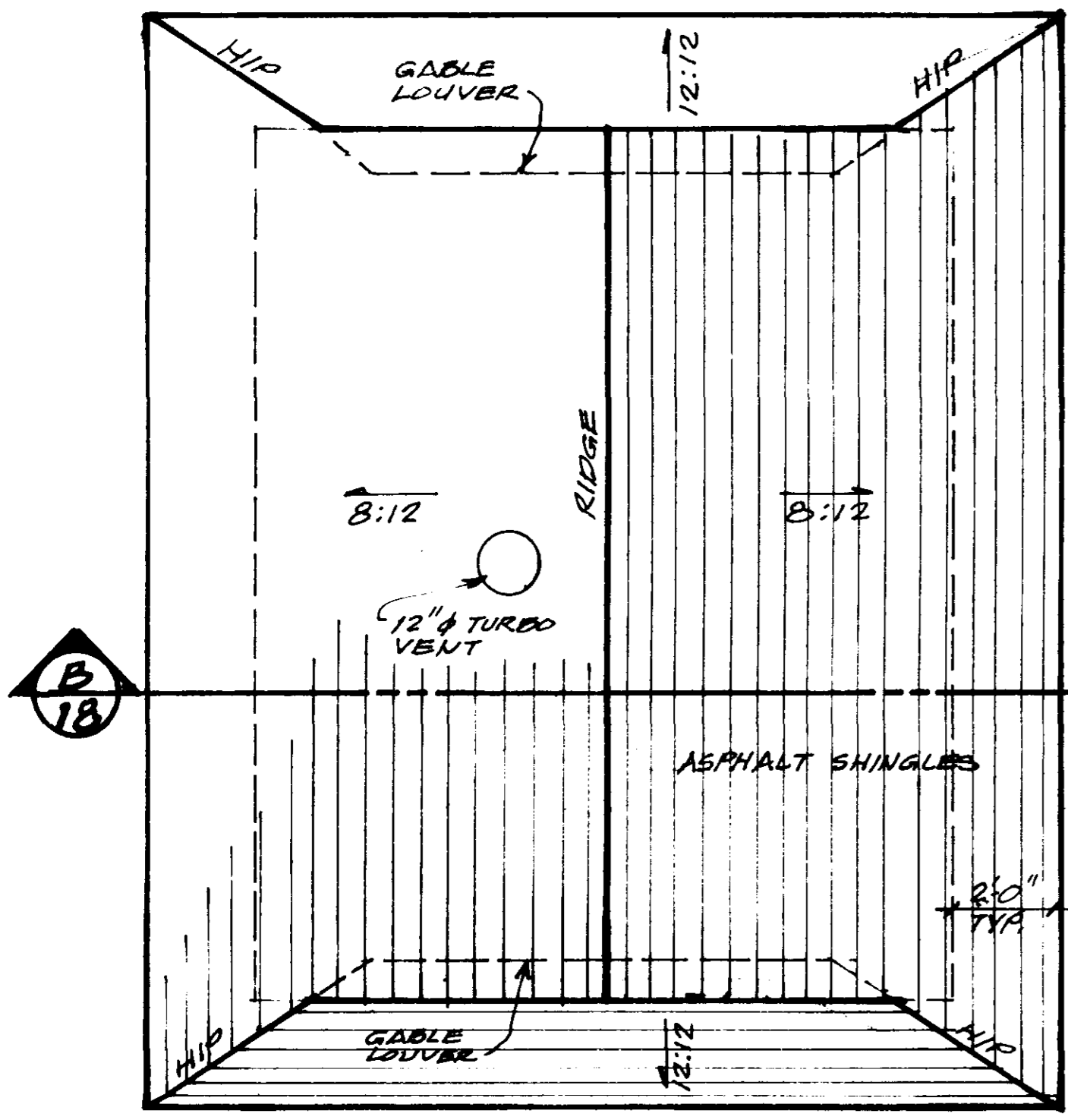
BUILDING CROSS SECTION
SCALE: 3/8" = 1'-0"

NOTE: PROVIDE BYPASS LINE W/ NEEDLE VALVE & PRESSURE GAUGE AROUND CHLORINATOR BOOSTER PUMPS FOR PRESSURE CONTROL.

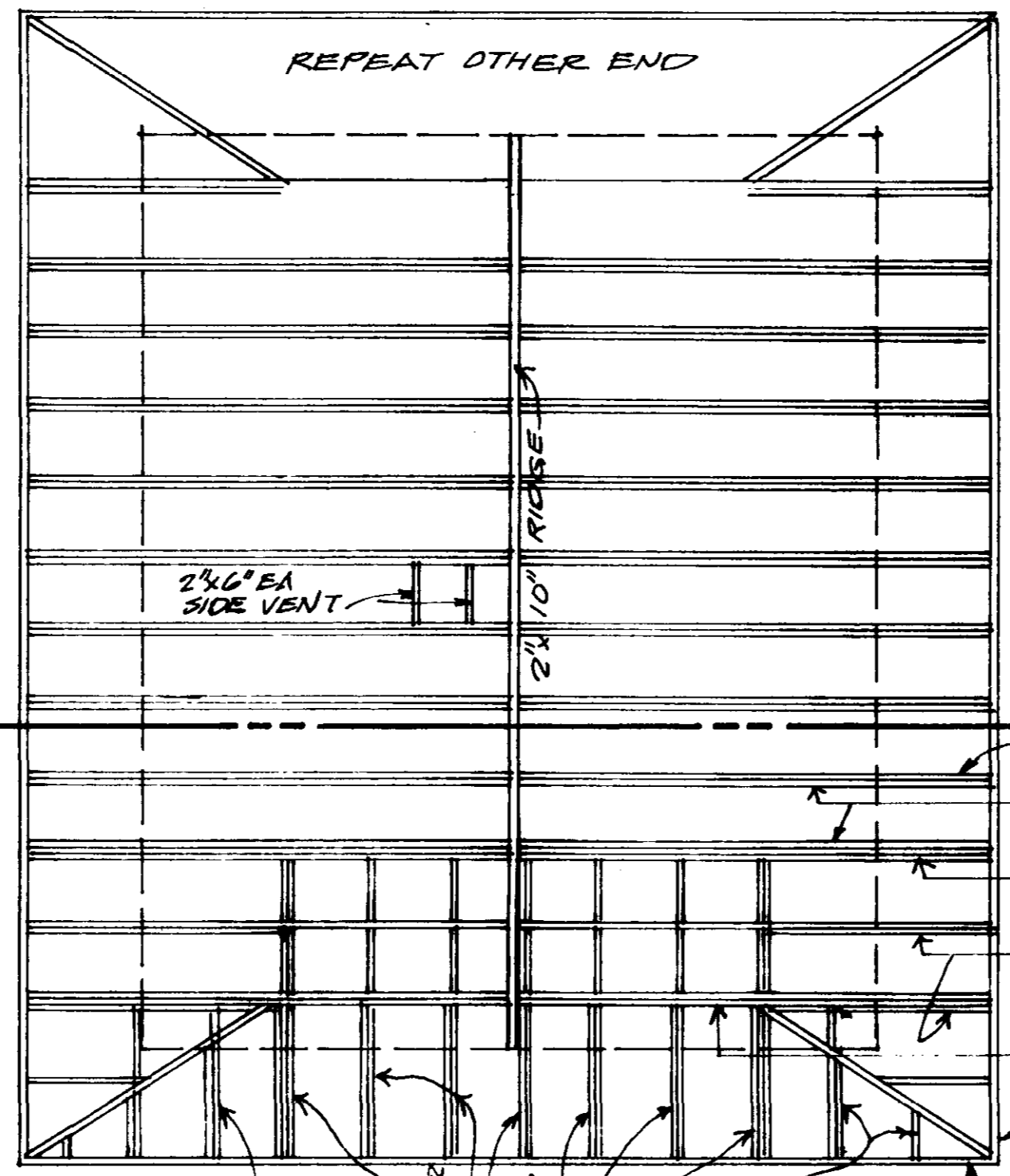
WELL EQUIP. BUILDING

ADD NOTE FOR BYPASS LINE	7-28-83
ADD CORR. COCK FOR FLUORIDATOR	7-28-83
RELOCATE BOOSTER PUMP FOR CHLORINATOR	7-28-83
REVISION	DATE

WATER SUPPLY FACILITY CONTRACT NO. 2
 WATER SYSTEM ADDITIONS 1983
 RIDGELAND, MISSISSIPPI



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

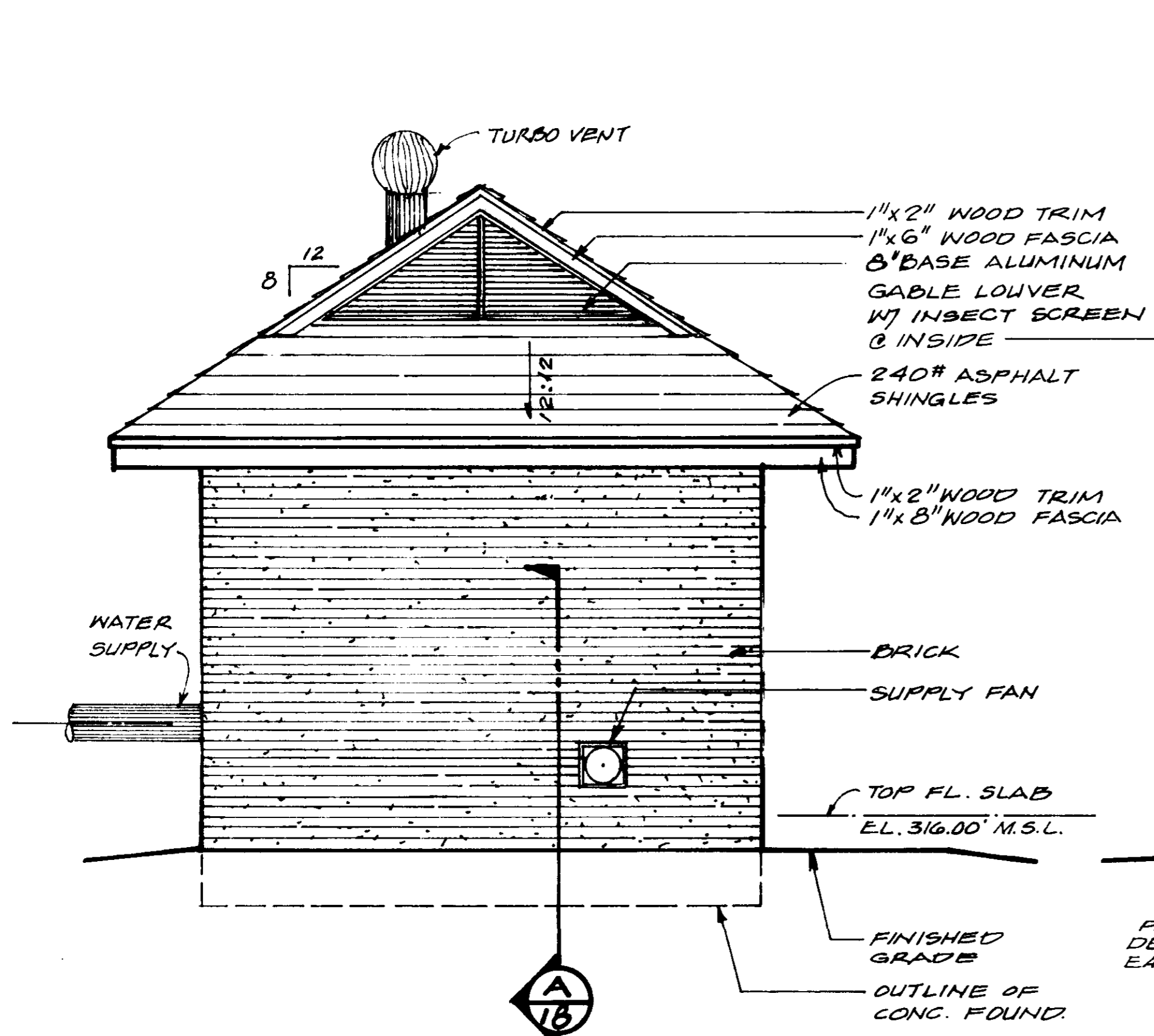


ROOF FRAMING PLAN
SCALE: 3/8"=1'-0"

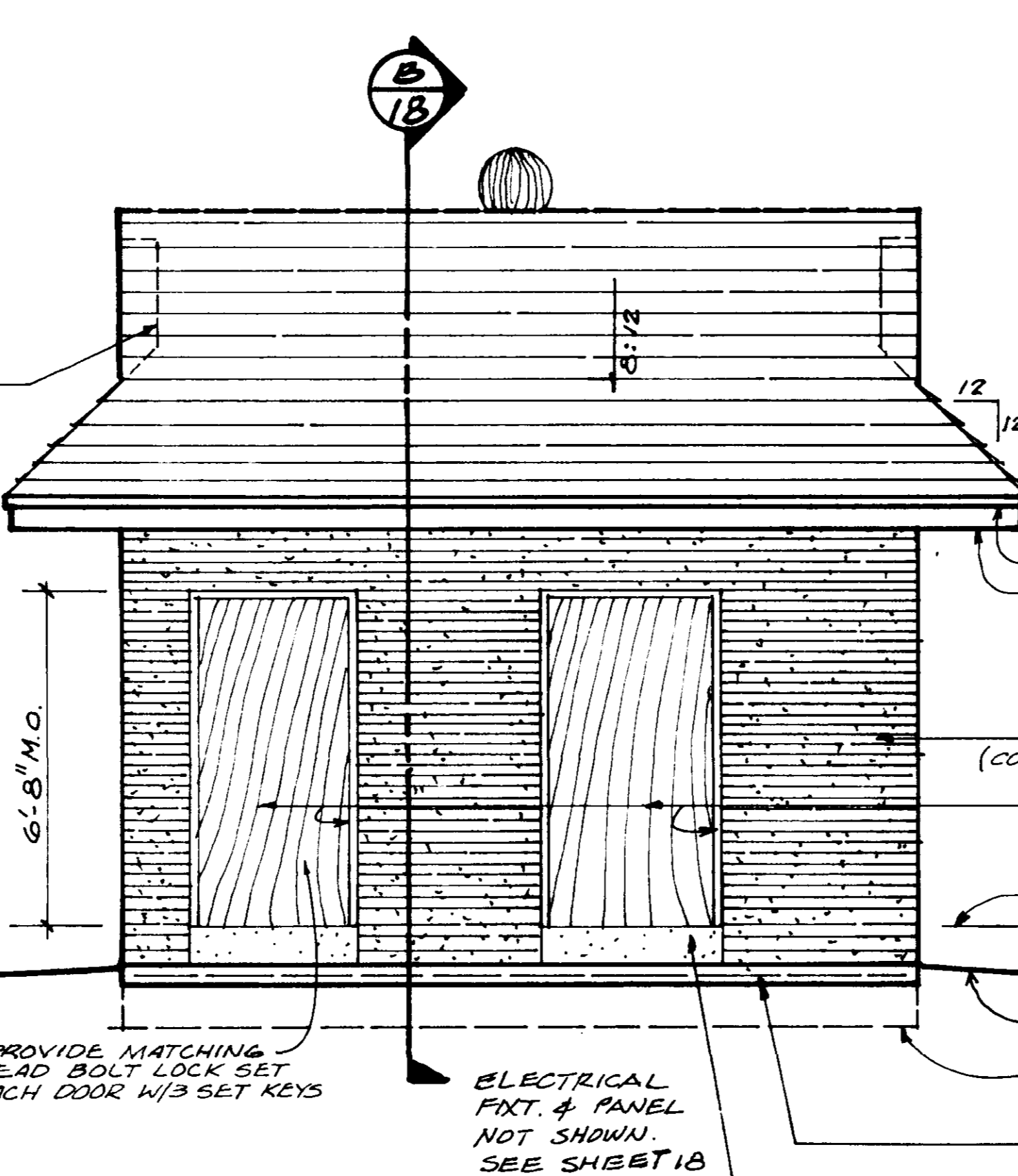
2"x8" CEIL. JST, 16"O.C. TYP.
2"x6" RAFTER, 16"O.C. TYP.
2-2"x8" HEADER/CEIL. JST
2"x8" CEIL. JST. OUTLOOKER @ 16"O.C. MAX.
2-2"x6" RAFTER
2"x8" SUB-FASCIA ALL AROUND.

NOTE: FRAMING SYMM. ABOUT & EA. MAY. BASIC FRAMING IS SHOWN. ADD ADDITIONAL BRACING, BLOCKING, CORNER OUT-RIGGERS, ETC. TO PROVIDE STABLE STRUCTURE, 16"O.C. MAX. SPACING.
USE NO. SOUTHERN YELLOW PINE GRADE MARKED.

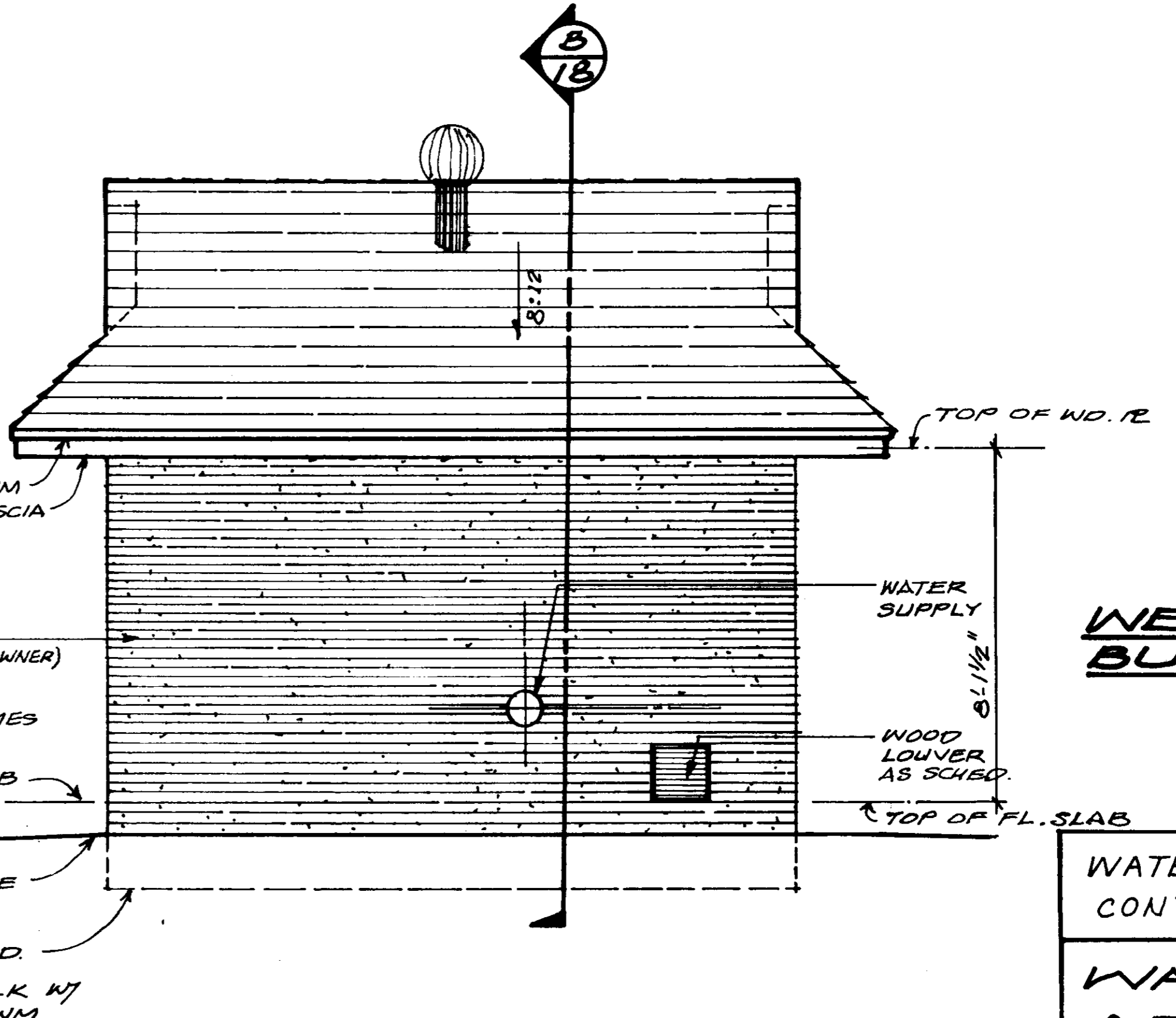
NOT SHOWN: 2"x4" OUTLOOKERS, 16"O.C. MAX & 2"x4" SUB-FASCIA @ ROOF PROJECTION OVER GABLE LOUVER EA. END



LEFT SIDE ELEV.
RIGHT SIDE SIMILAR
SCALE: 3/8"=1'-0"



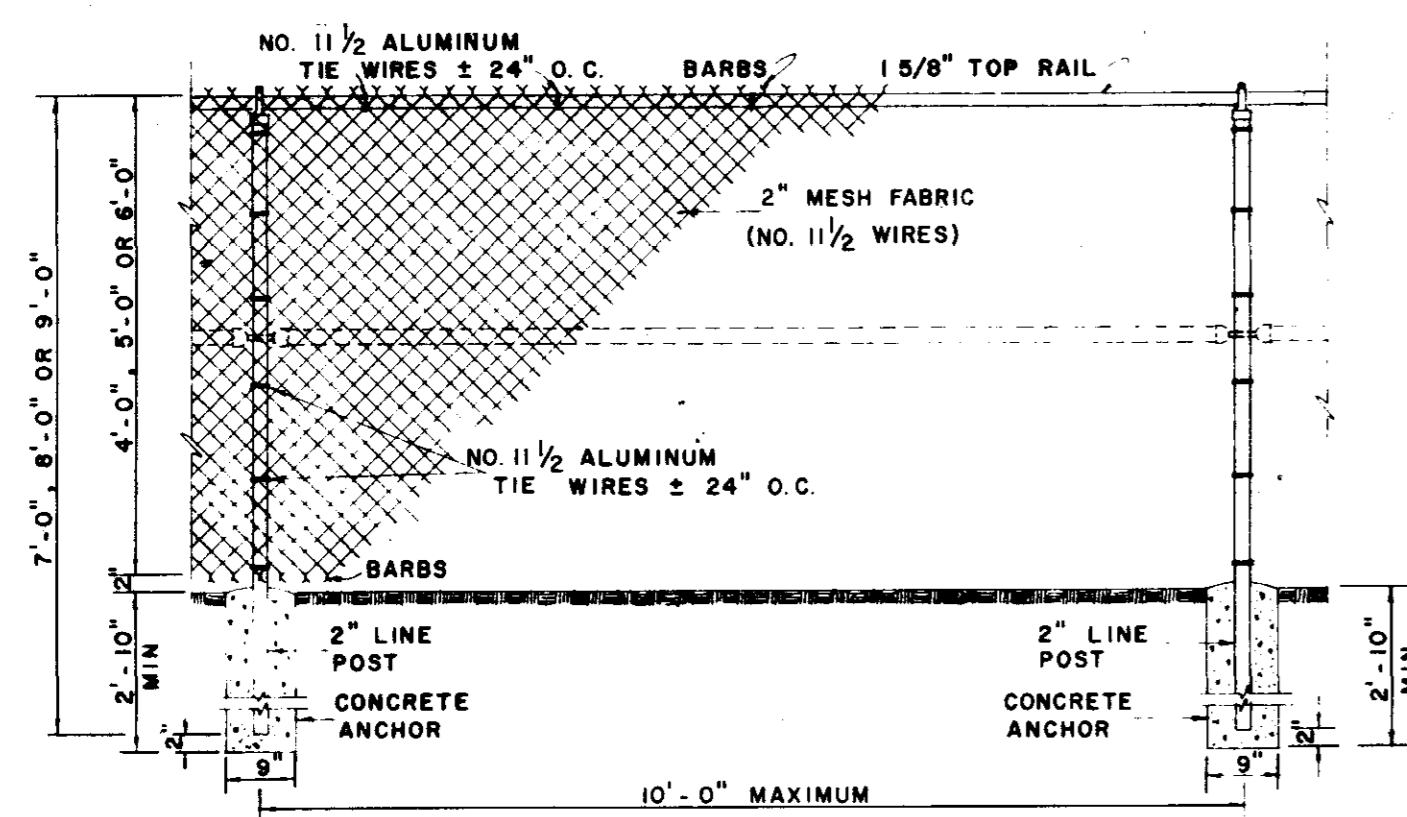
FRONT ELEV.
SCALE: 3/8"=1'-0"



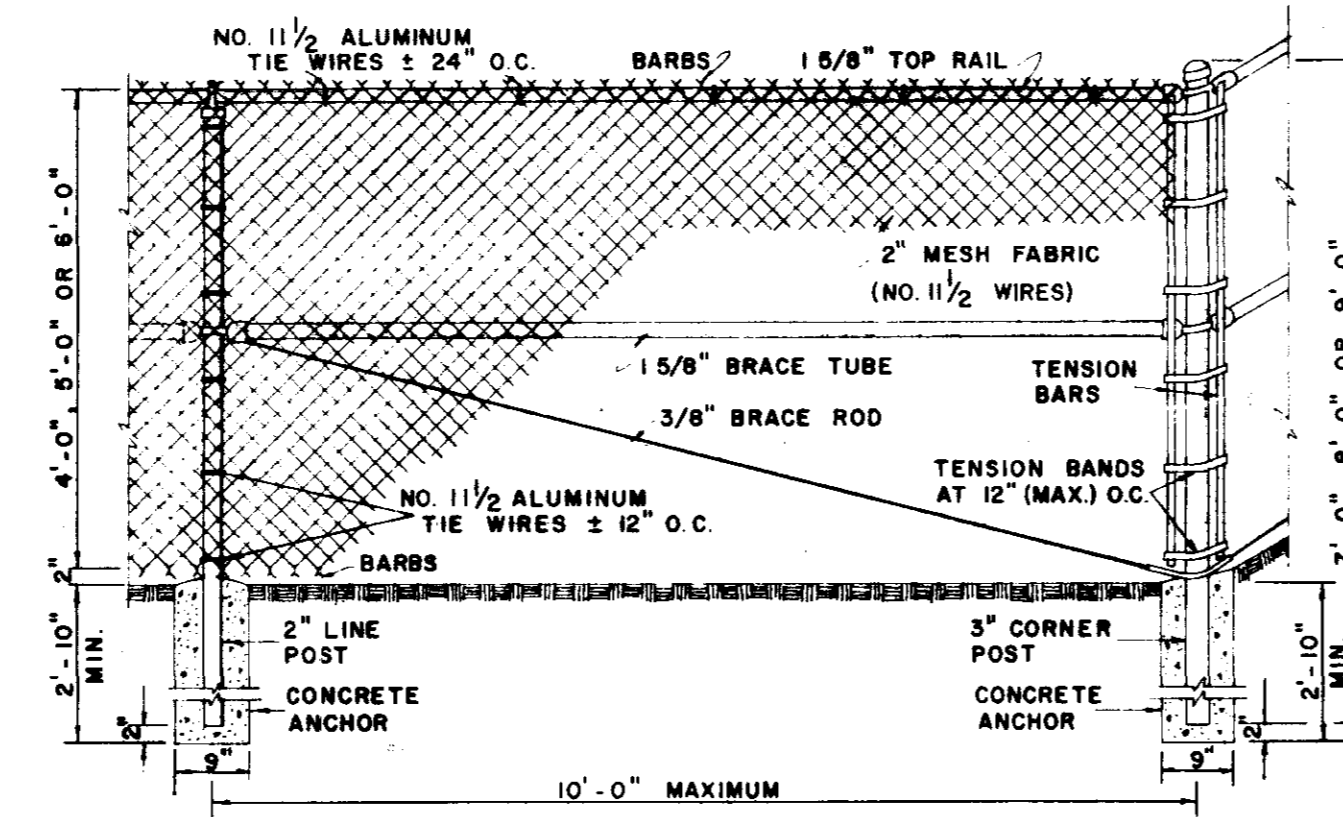
REAR ELEV.
SCALE: 3/8"=1'-0"

WELL EQUIP. BUILDING

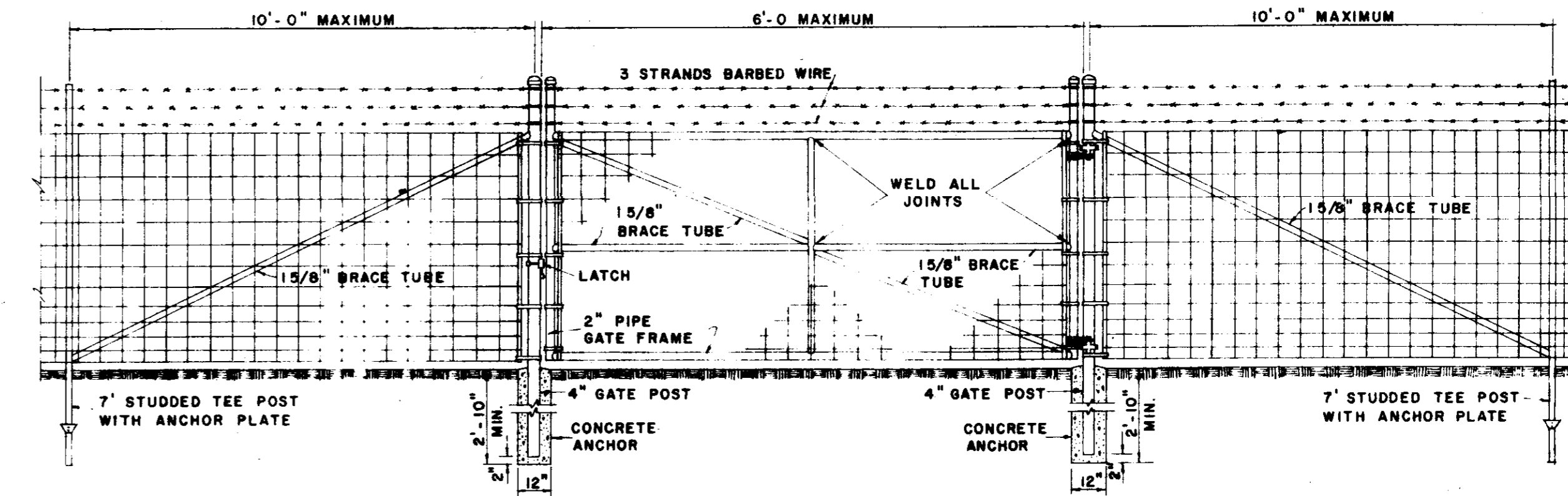
WATER SUPPLY FACILITY CONTRACT NO. 2		
WATER SYSTEM ADDITIONS 1983		
RIDGELAND, MISSISSIPPI		
JOE A. WAGGONER Civil Engineer - Brandon/Jackson, Miss.		
DRAWN BY: LHR	DATE: JUNE 1983	SHEET NO. 19 OF 21
CHECKED BY: CKJ	SCALE: AS NOTED	
APPROVED BY: JW		



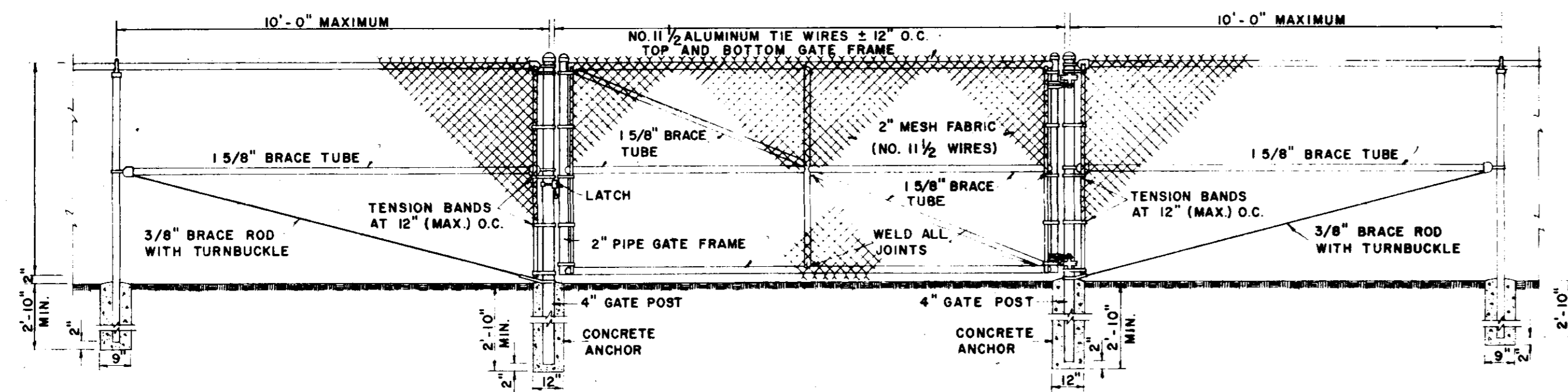
**LINE BAY
CHAIN LINK FENCE**
SCALE: 1/2" = 1'-0"



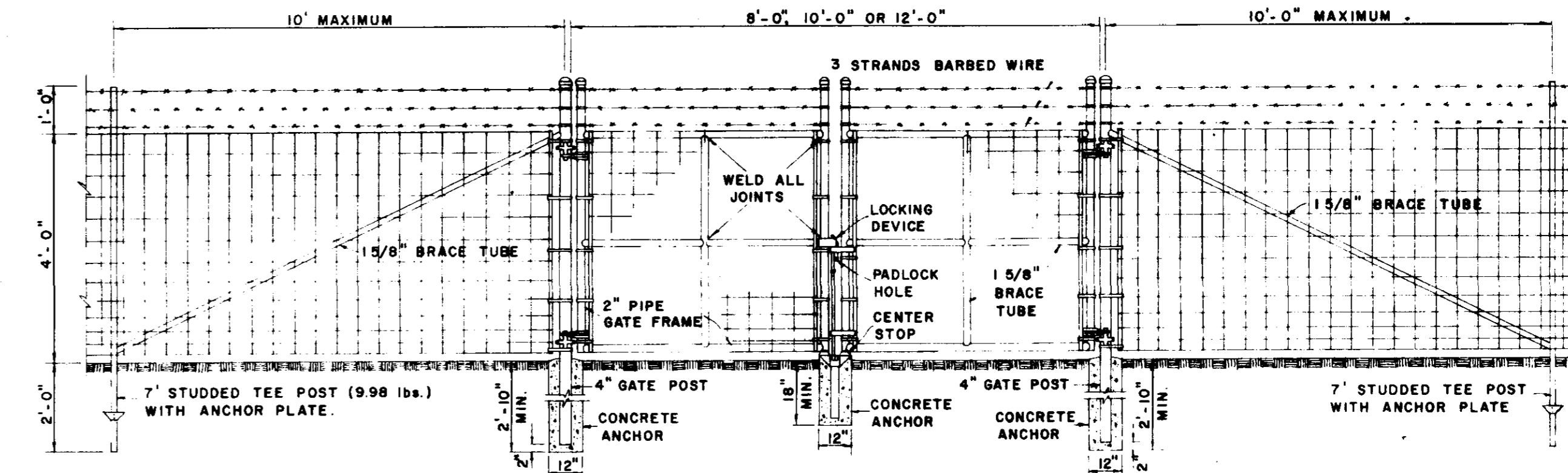
**CORNER BAY
CHAIN LINK FENCE**
SCALE: 1/2" = 1'-0"



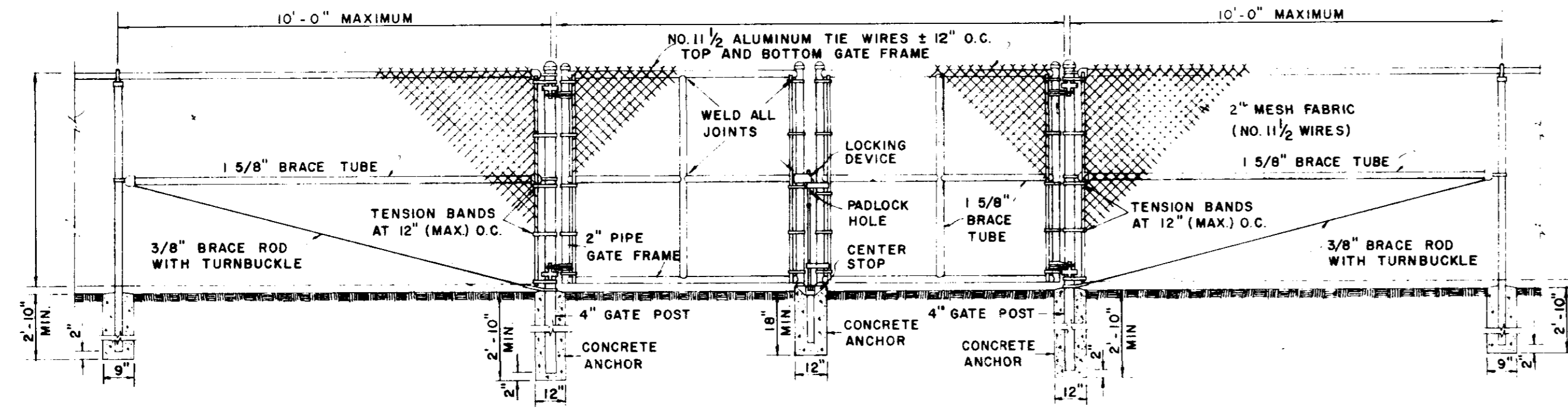
**SINGLE SWING GATE
WOVEN WIRE FABRIC FENCE**



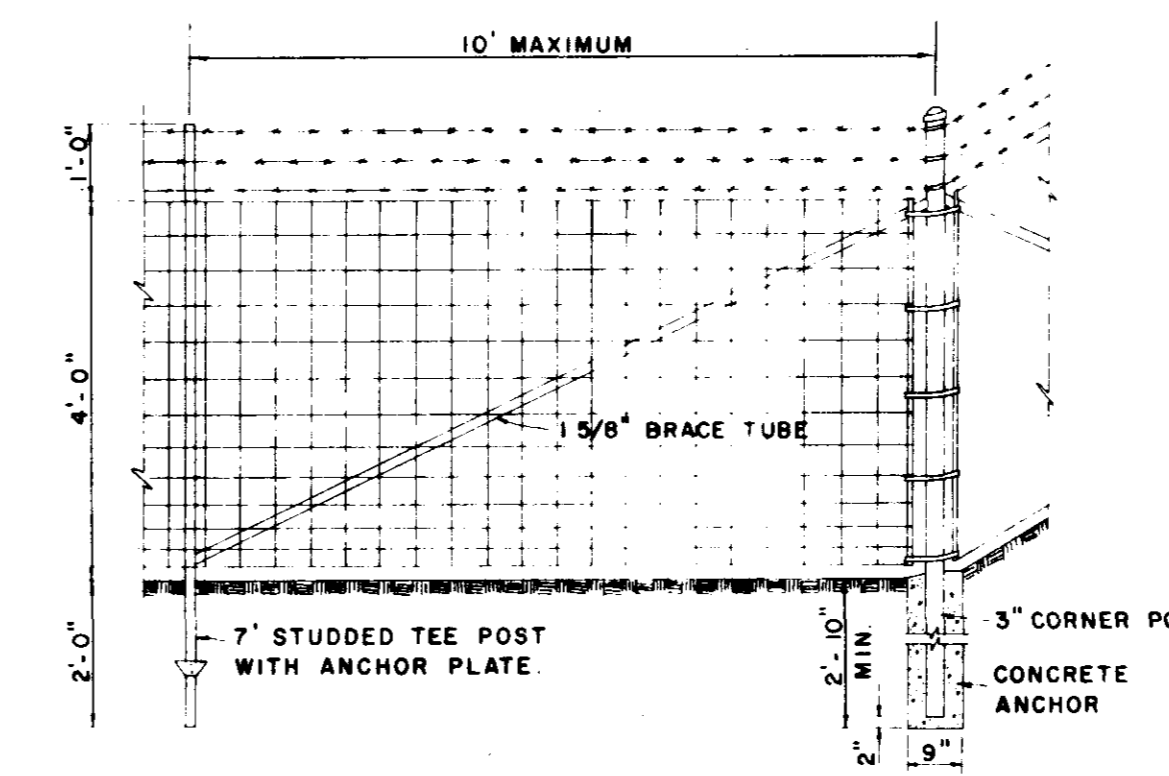
**SINGLE SWING GATE
CHAIN LINK FENCE**
SCALE: 3/8" = 1'-0"



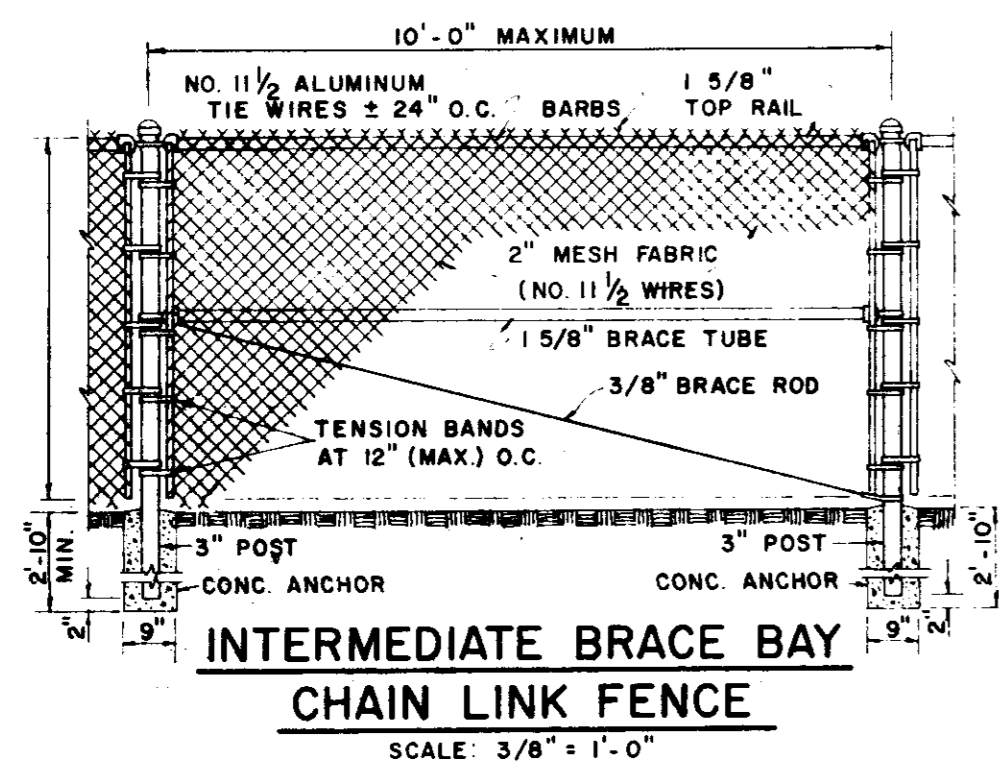
**DOUBLE SWING GATE
WOVEN WIRE FABRIC FENCE**



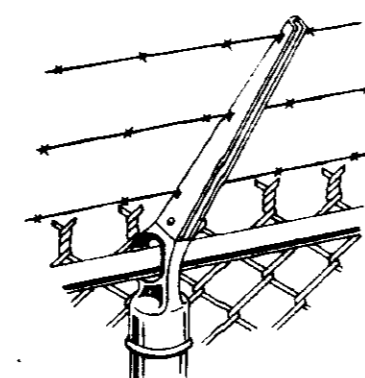
**DOUBLE SWING GATE
CHAIN LINK FENCE**
SCALE: 3/8" = 1'-0"



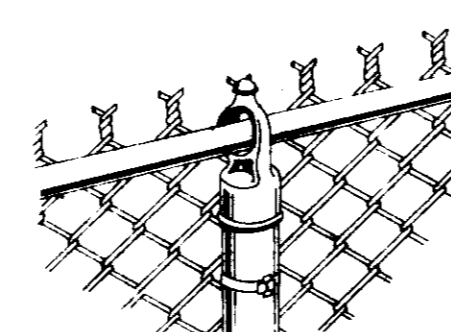
**CORNER BAY
WOVEN WIRE FABRIC FENCE**



**INTERMEDIATE BRACE BAY
CHAIN LINK FENCE**
SCALE: 3/8" = 1'-0"

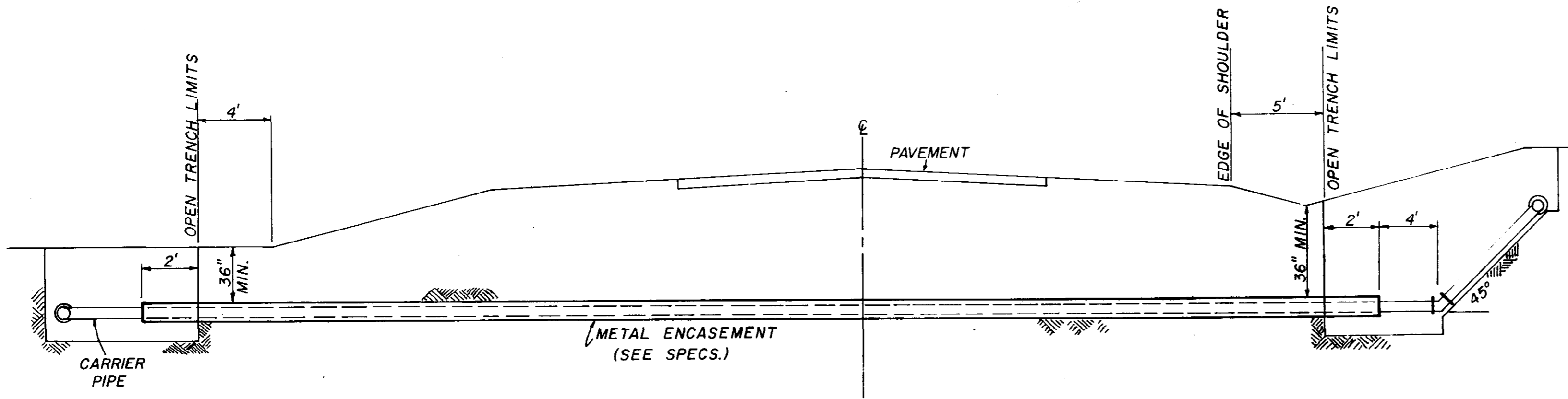


**TYPE I
CHAIN LINK FENCE**



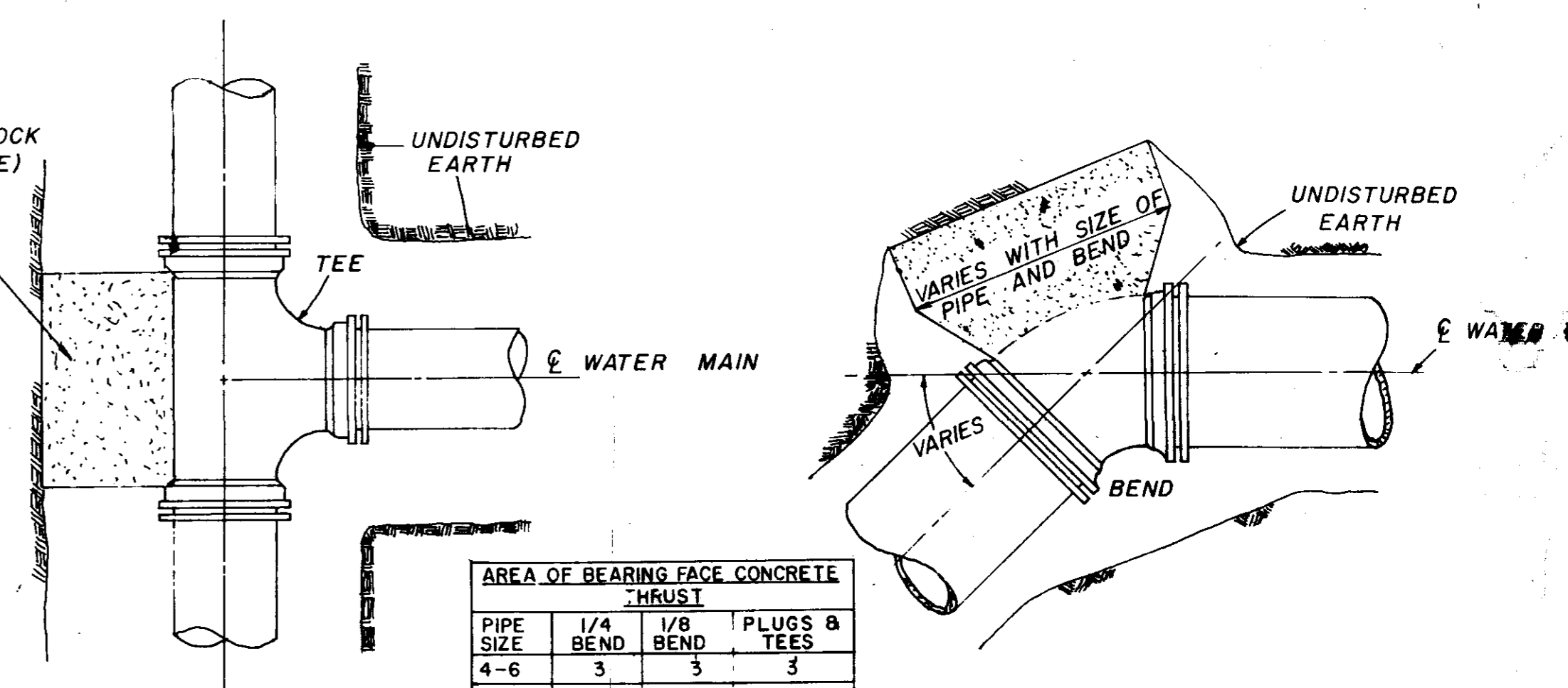
**TYPE II
CHAIN LINK FENCE**

NOTE: ALL PIPE SHALL BE SCHEDULE 40.



TYPICAL CASSED CROSSING

NOTE: COMPENSATION FOR CONCRETE TRUST BLOCKS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VALVES, FIRE HYDRANTS AND FITTINGS.

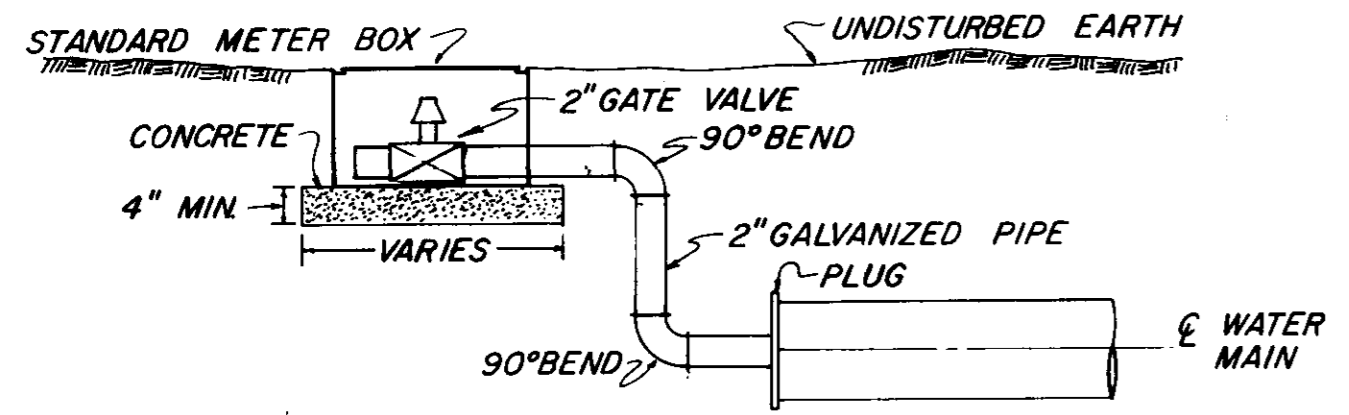


PLAN

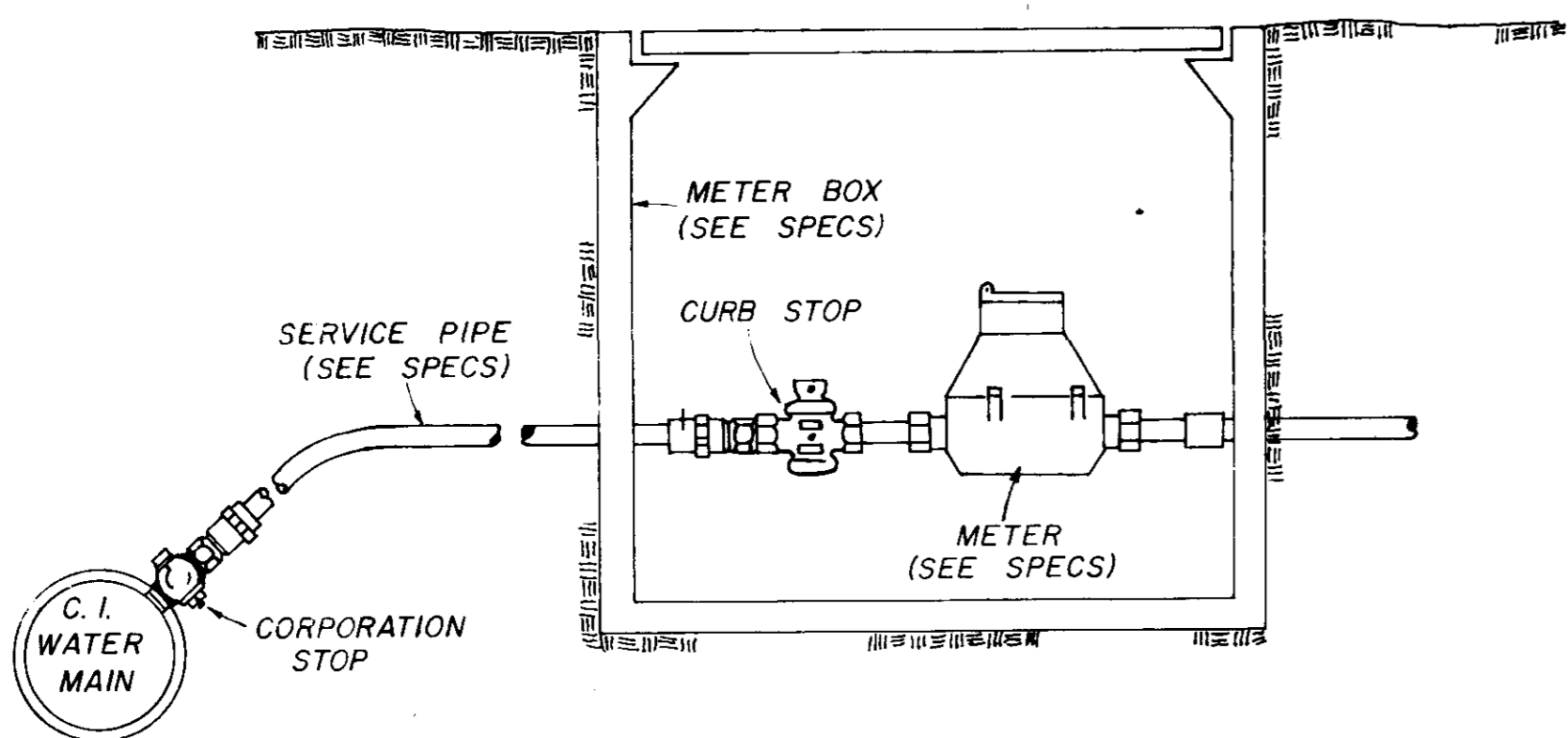
PLAN

PIPE SIZE	AREA OF BEARING FACE CONCRETE THRUST		
	1/4 BEND	1/8 BEND	PLUGS & TEES
4-6	3	3	3
8	3	3	3
10	4	3	3
12	6	3	4
16	11	4	7

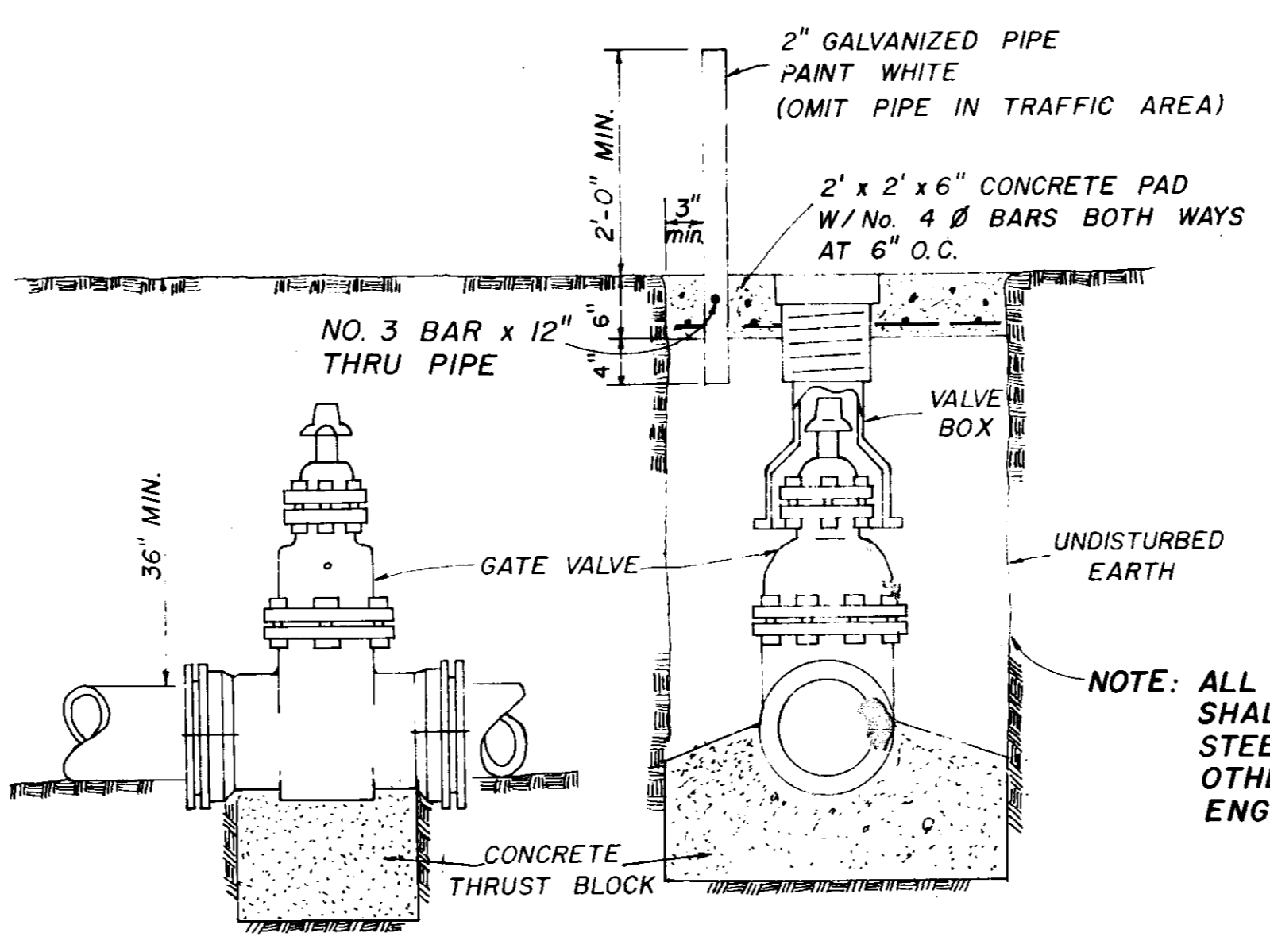
NOTE: AREA OF BEARING FACE IN SQUARE FEET.



TYPICAL 2" BLOW-OFF DETAIL



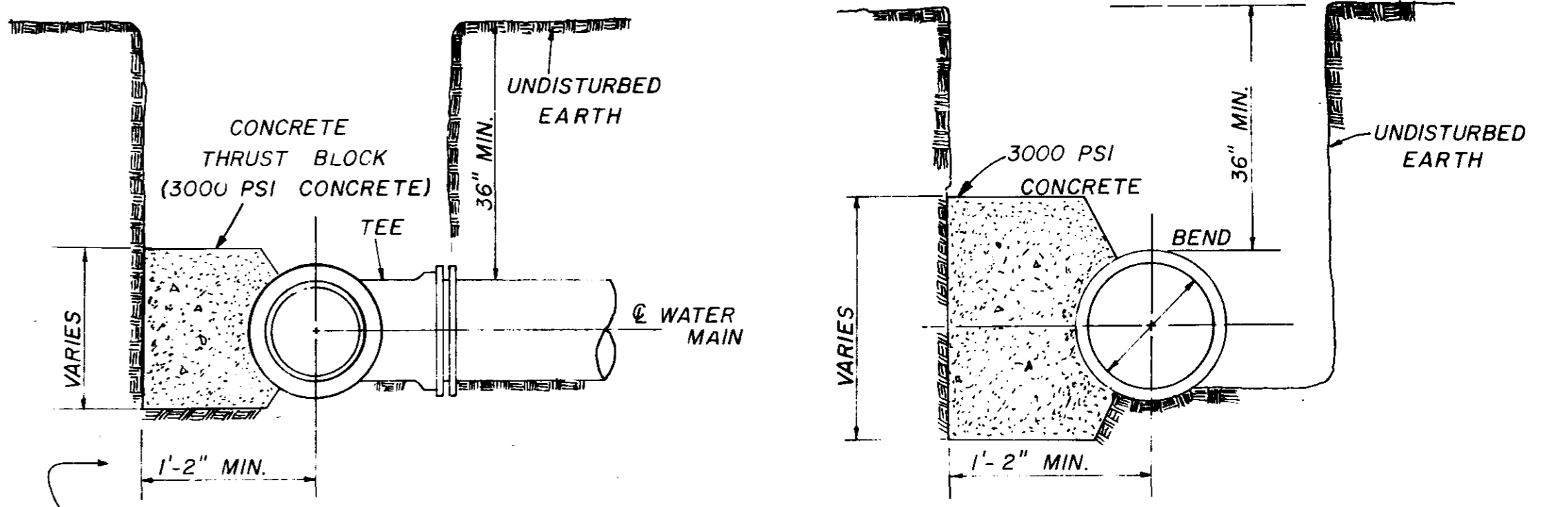
TYPICAL SERVICE ASSEMBLY



ELEVATION SECTION

TYPICAL VALVE & BOX

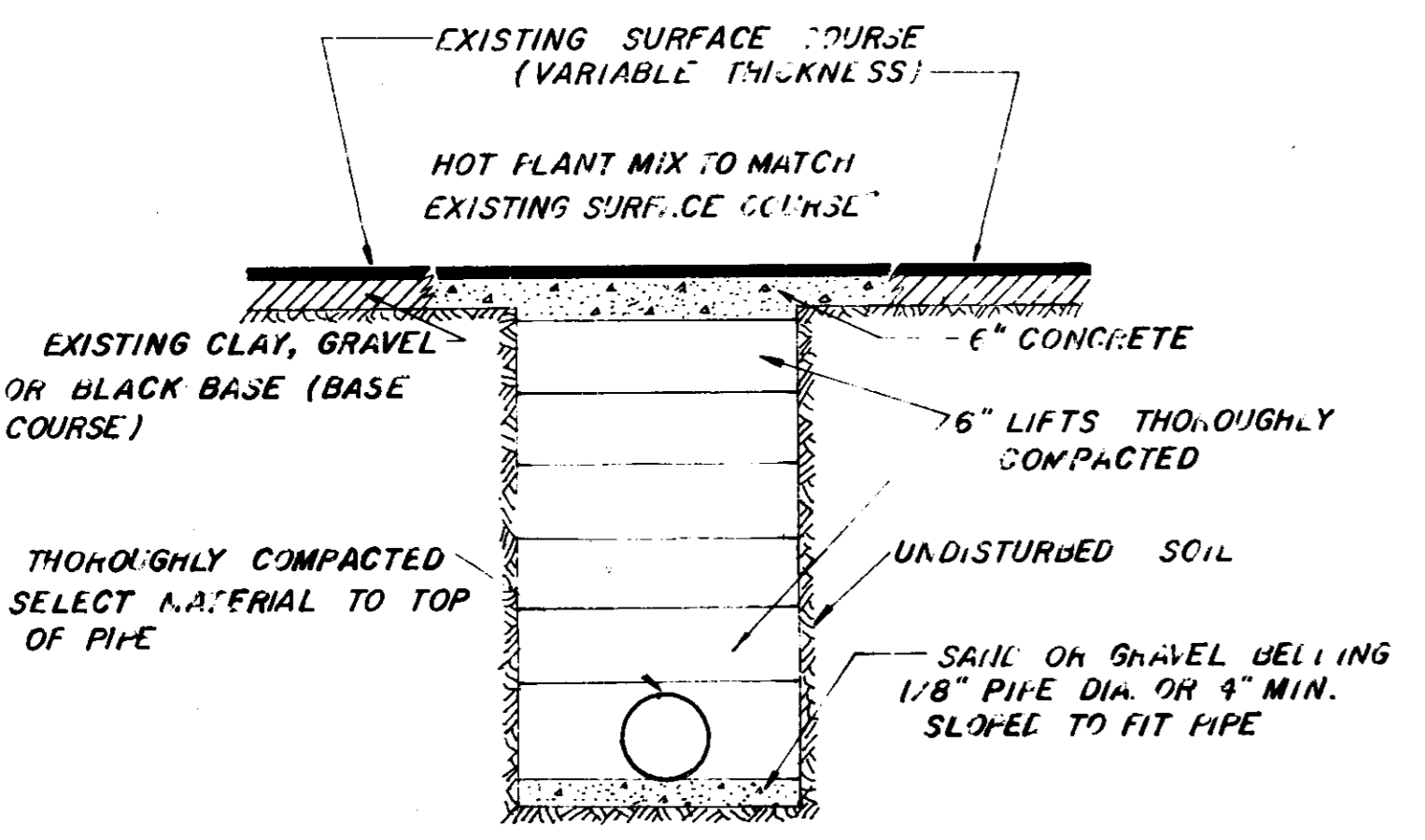
NOTE: ALL WATER MAIN CONNECTIONS SHALL BE RODDED WITH ALL STEEL RODS (3/4" MIN.) UNLESS OTHERWISE INSTRUCTED BY ENGINEER.



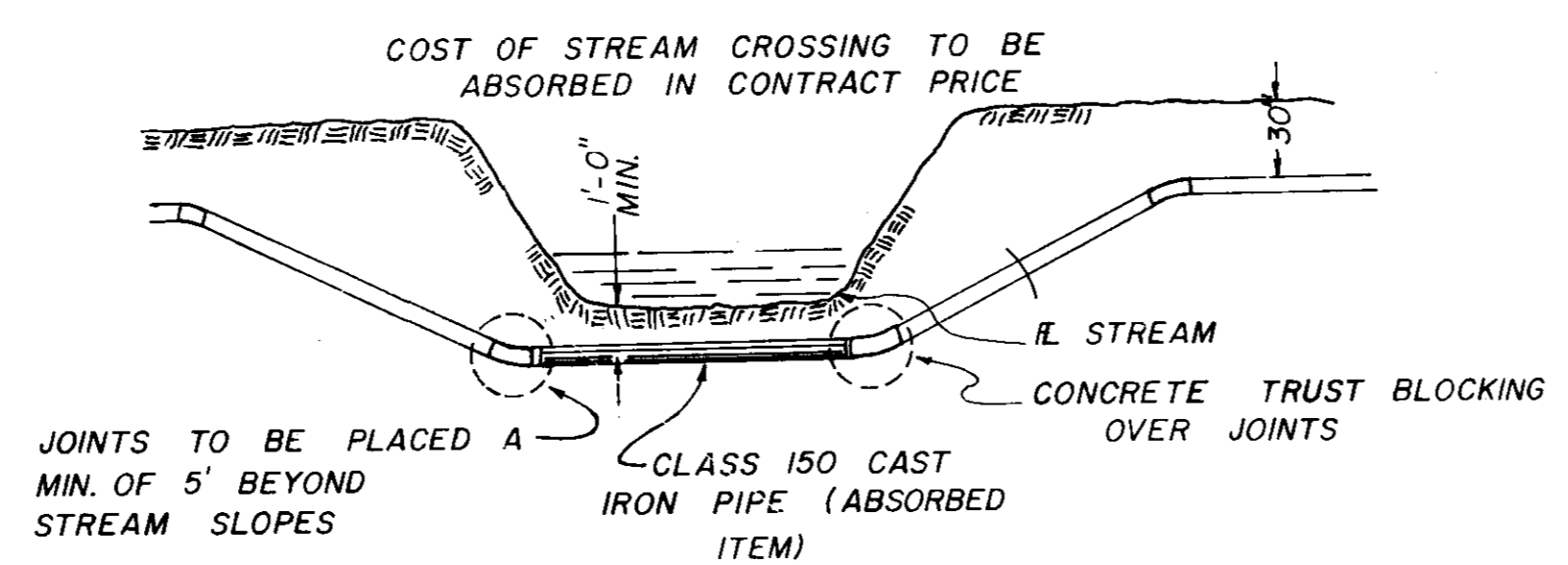
SECTION

SECTION

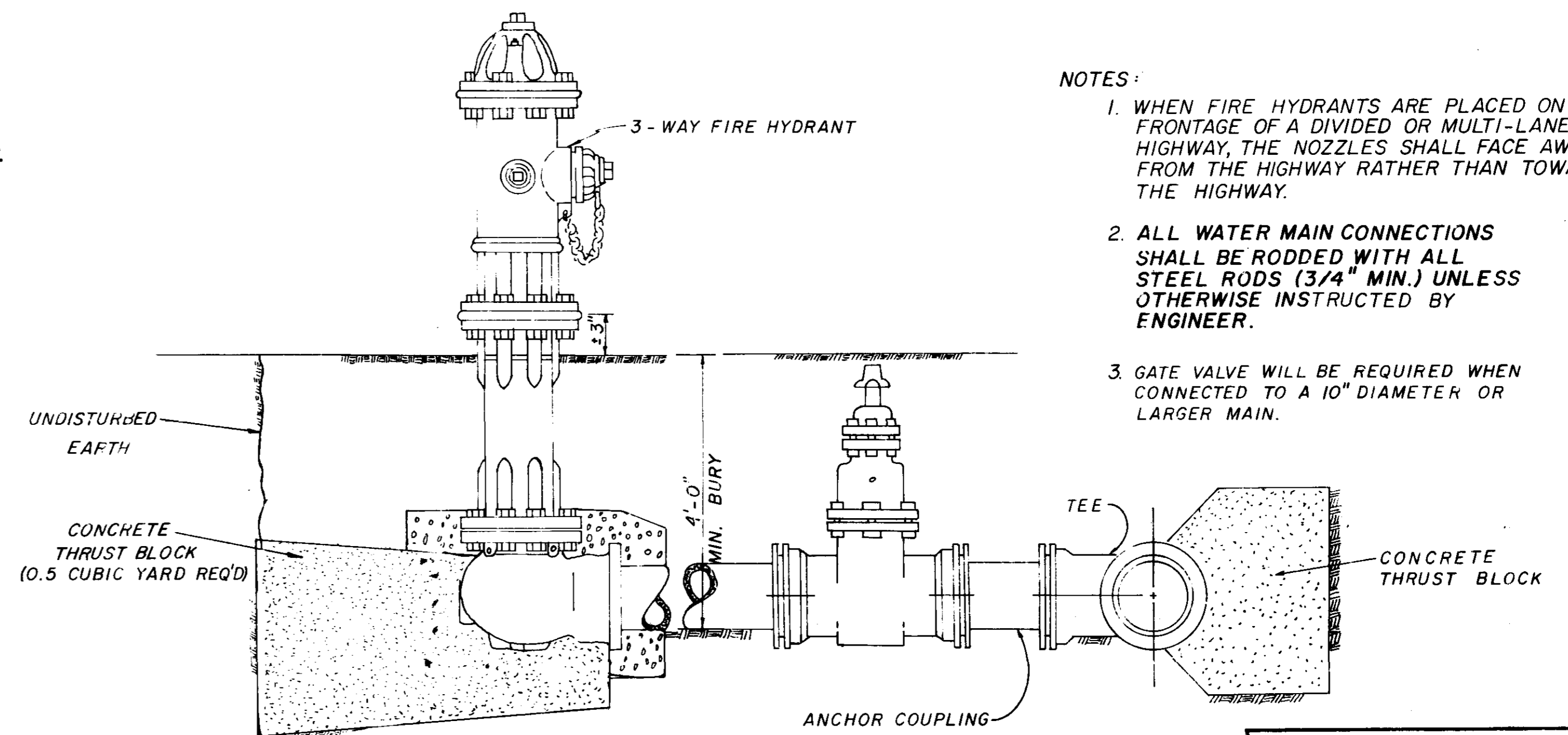
BLOCKING DETAILS FOR TEES & BENDS



STREET REPAIR OF OPEN CUT



TYPICAL STREAM CROSSING



TYPICAL FIRE HYDRANT

- NOTES:
1. WHEN FIRE HYDRANTS ARE PLACED ON THE FRONTAGE OF A DIVIDED OR MULTI-LANE HIGHWAY, THE NOZZLES SHALL FACE AWAY FROM THE HIGHWAY RATHER THAN TOWARD THE HIGHWAY.
 2. ALL WATER MAIN CONNECTIONS SHALL BE RODDED WITH ALL STEEL RODS (3/4" MIN.) UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 3. GATE VALVE WILL BE REQUIRED WHEN CONNECTED TO A 10" DIAMETER OR LARGER MAIN.

WATER SYSTEM STANDARD DETAILS