

# CITY OF RIDGELAND

## MADISON COUNTY, MISSISSIPPI

### ONE-MILLION GALLON WATER STORAGE TANK

N.S. ACCOUNT NO. 3-1898-01

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

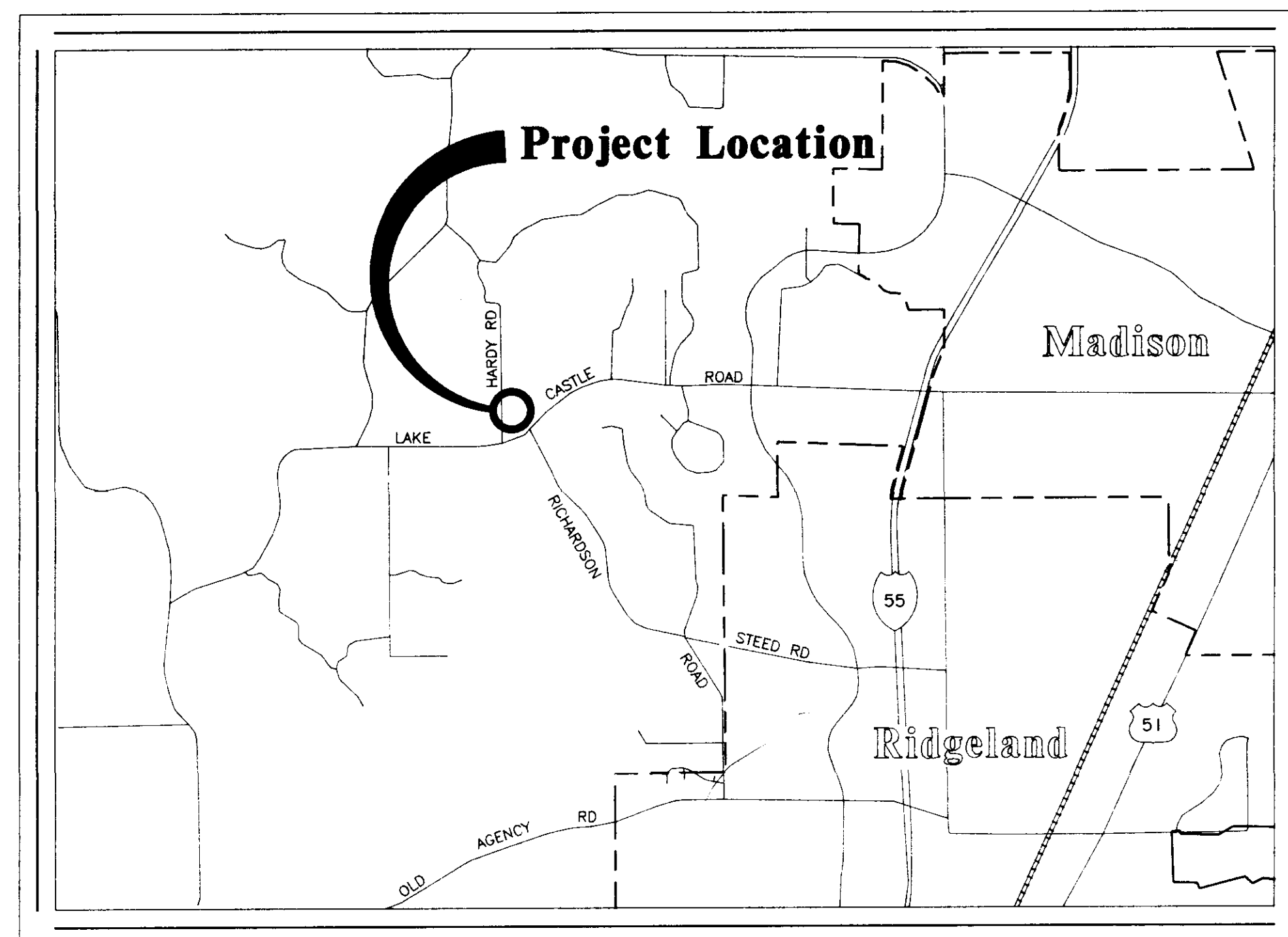
SAM VINSON, P.E.

ASSISTANT PUBLIC WORKS DIRECTOR

SID HAWTHORNE

CITY CLERK

MICHAEL McPHEARSON

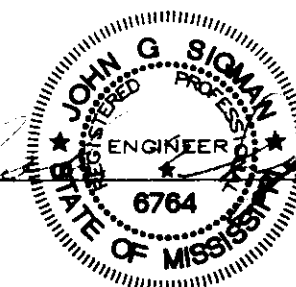


VICINITY MAP

SEPTEMBER 1992

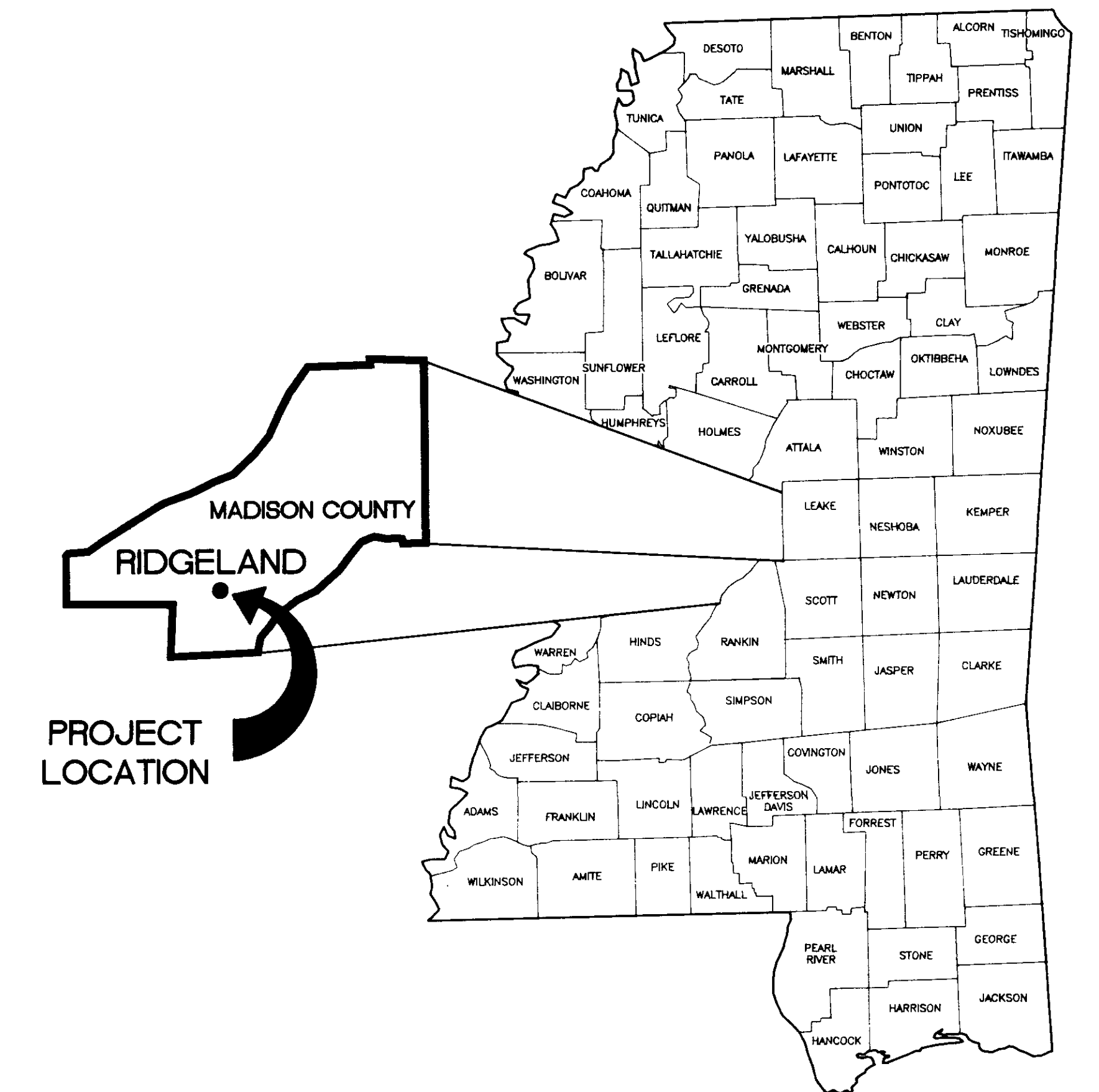
PREPARED BY :

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



DATE: 1/6/92

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



LOCATION MAP

THE CITY OF


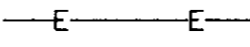
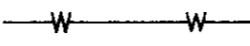
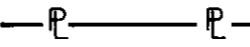




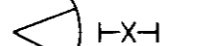




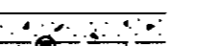
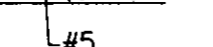


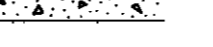



PWP-RIDGELAND  
 05022

# INDEX TO DRAWINGS

1. COVER
2. GENERAL NOTES AND INDEX TO DRAWINGS
3. TANK SITE PLAN
4. PRESTRESSED CONCRETE TANK
5. STEEL TANK ALTERNATE
6. MISCELLANEOUS DETAILS

# LEGEND

	UTILITY POLE
	ELECTRICAL CONDUIT (UNDERGROUND)
	WATER SUPPLY LINE
	PROPERTY LINE
	FIRE HYDRANT
	GATE VALVE
	CORPORATION STOP
	GROUTED RIP-RAP
	FENCE GATE
	GROUND LINE
	INCANDESCENT LIGHT FIXTURE
	PANEL BOX
	GALVANIZED ANCHOR BOLT
	WELDED WIRE FABRIC CONC. REINF.
	REINFORCING BAR w/SIZE
	NOTATION MARKS
	CONCRETE SLAB
	GRAVEL
	FENCE

# 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. GLOBE VALVES SHALL BE BRONZE BODY, RISING STEM, THREADED END, FIGURE 180, AS MANUFACTURED BY W.M. POWELL COMPANY, OR APPROVED EQUAL.


### ABBREVIATIONS

DWG.	DRAWING
EX. OR EXIST.	EXISTING
R.J.	RESTRAINED JOINT
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
OPC.	OPENING
S/W	SIDEWALK
MOD.	MODIFICATION
N.T.S.	NOT TO SCALE

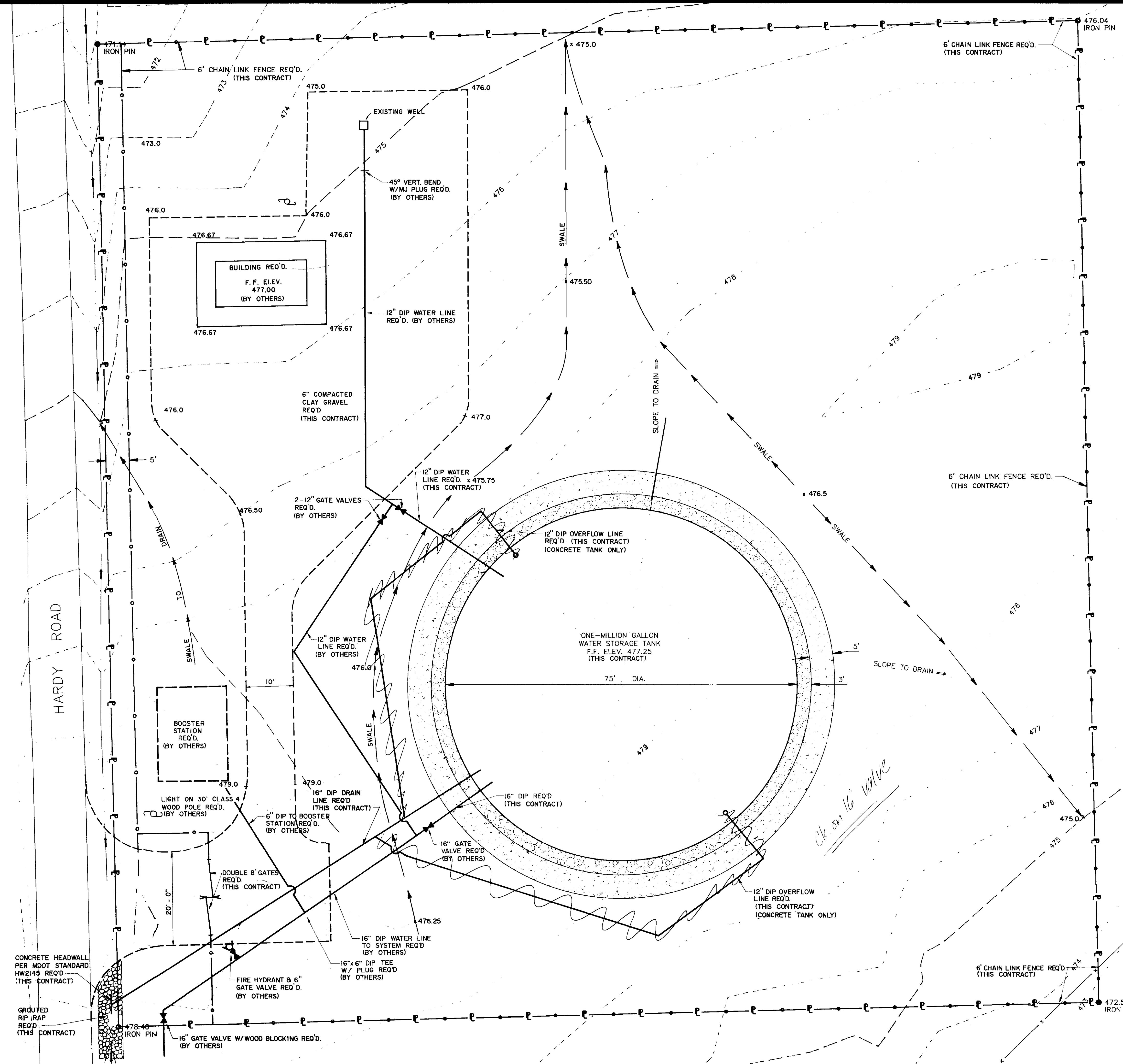
ONE-MILLION GALLON WATER STORAGE TANK  
NS ACCOUNT NO. 3-1898-01

GENERAL NOTES AND  
INDEX TO DRAWINGS

CITY OF RIDGELAND, MISSISSIPPI

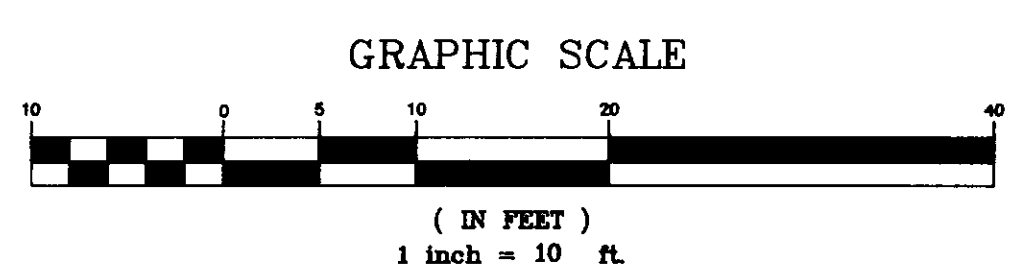
DSGN: ISR	1/92		DRAWING NO.
DRWN: RDP	1/92		2 of 7
CHKD: DZB	1/92		
SCALE: N.T.S.			

NEEL-SCHAFFER, INC.  
ENGINEERS - PLANNERS  
JACKSON, MISSISSIPPI



NOTE:  
 IT IS ANTICIPATED THAT BOTH THE WELL CONTRACTOR  
 AND THE PIPELINE CONTRACTOR WILL FINISH WORK  
 BEFORE THIS CONTRACT IS COMPLETED.  
 ALL EXCAVATION AND FINISH GRADING AND GRAVEL BASE  
 WILL BE INCLUDED IN THIS CONTRACT EXCEPT WHERE  
 NECESSARY TO COMPLETE THE OTHER CONTRACTS.

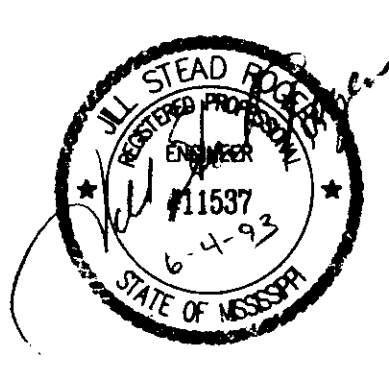
--- 475 --- EXISTING CONTOURS  
 475.0 FINISH ELEVATION



ONE-MILLION GALLON WATER STORAGE TANK  
 NS ACCOUNT NO. 3-1898-01

**TANK SITE PLAN**

CITY OF RIDGELAND, MISSISSIPPI



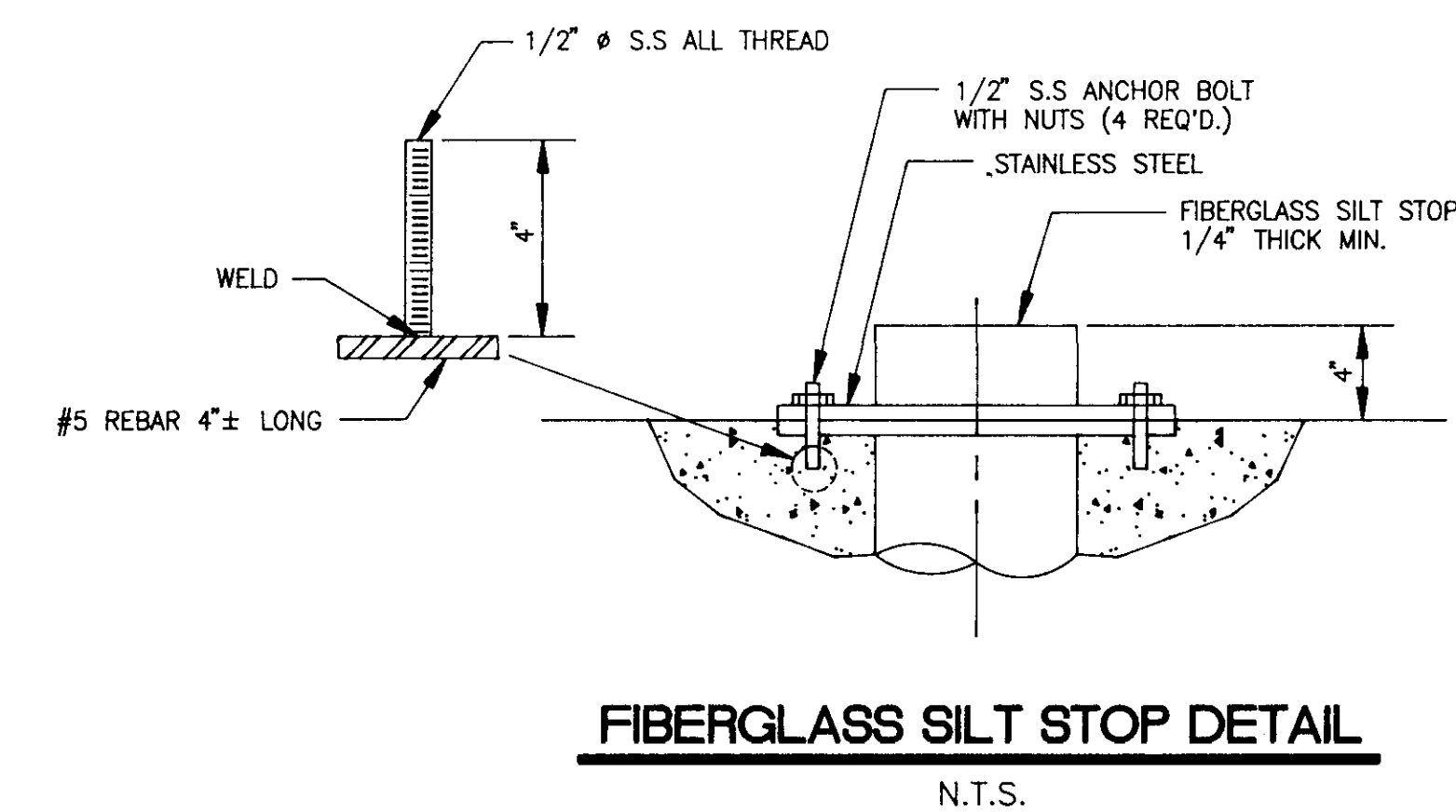
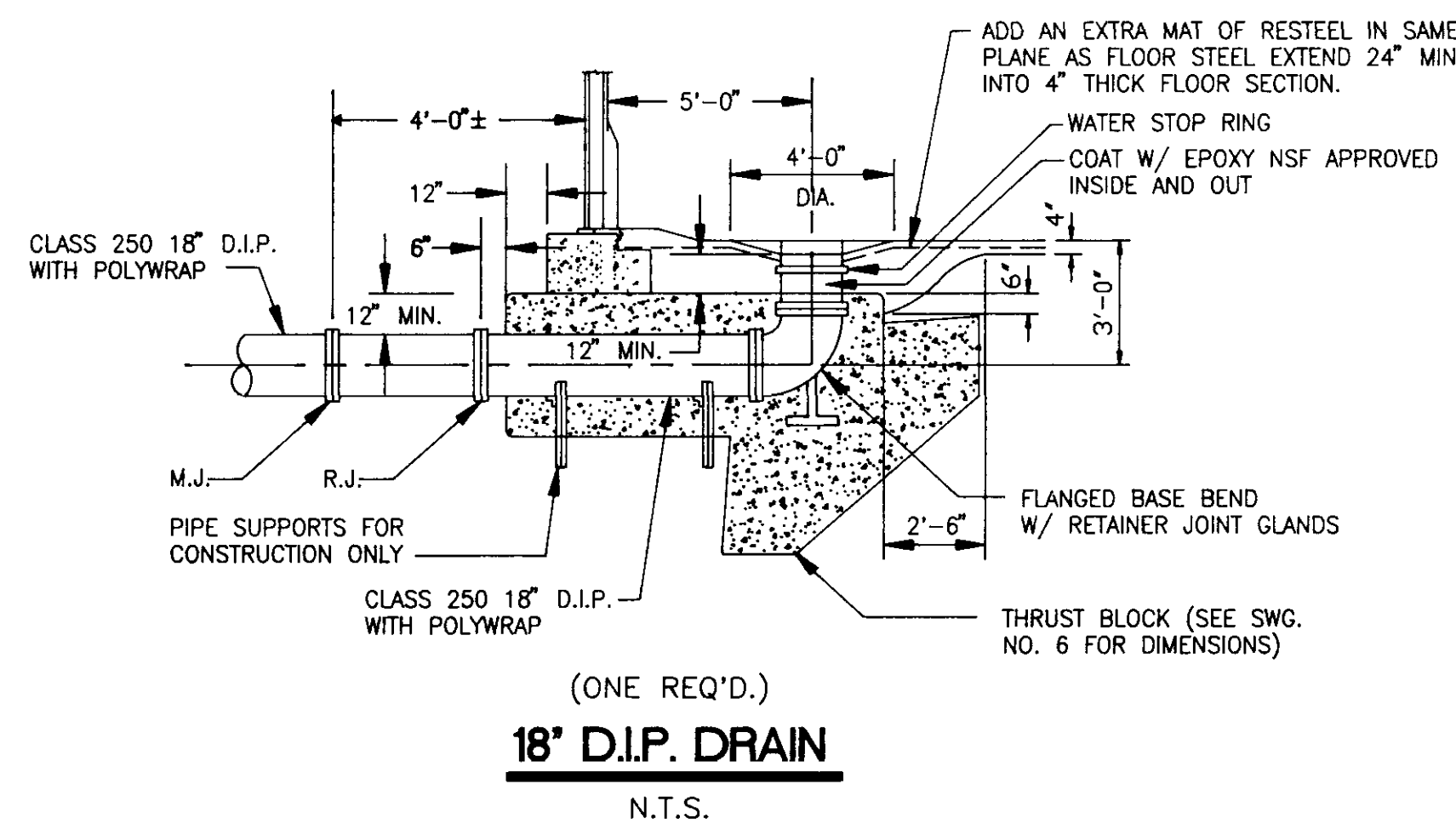
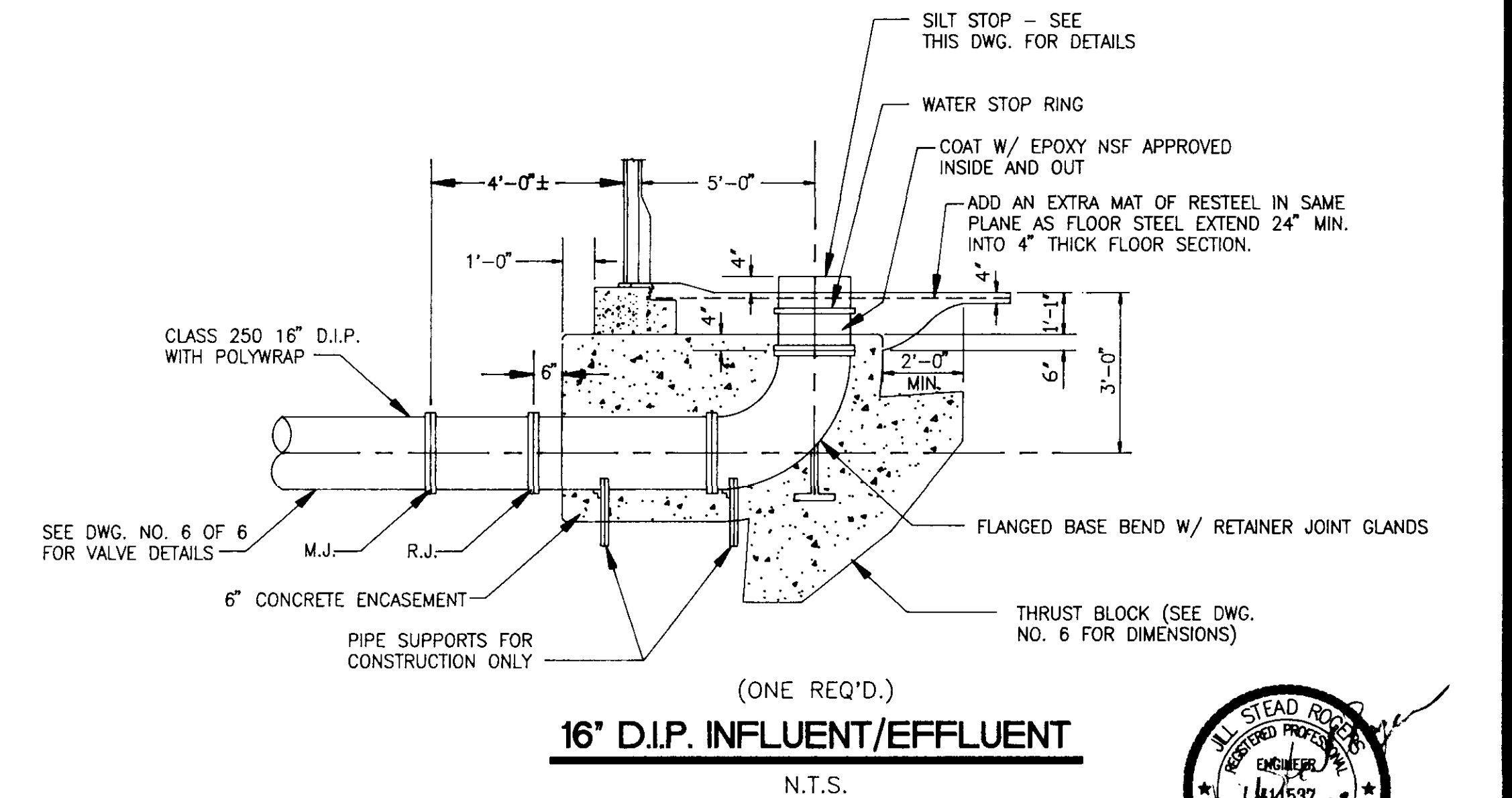
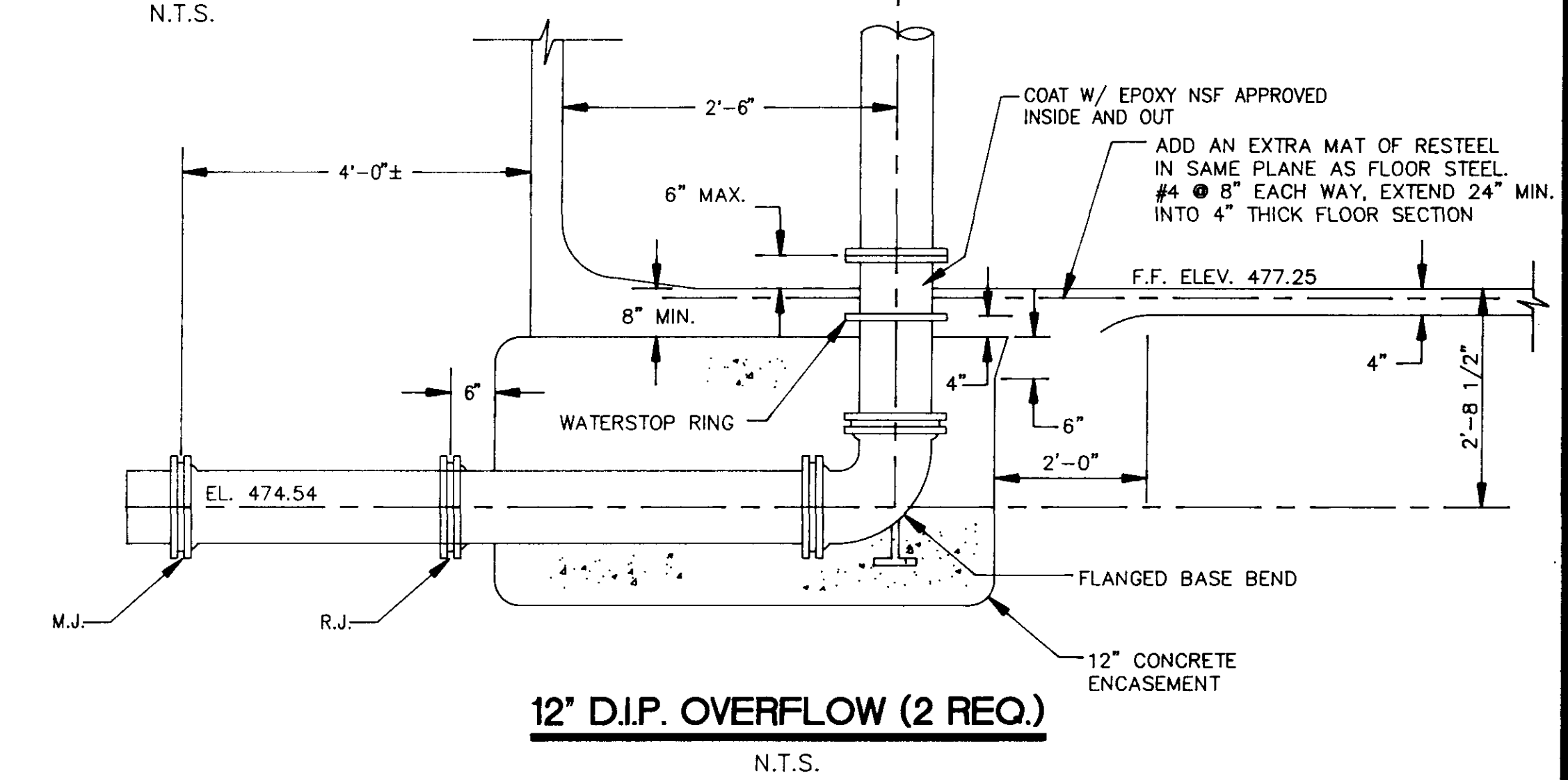
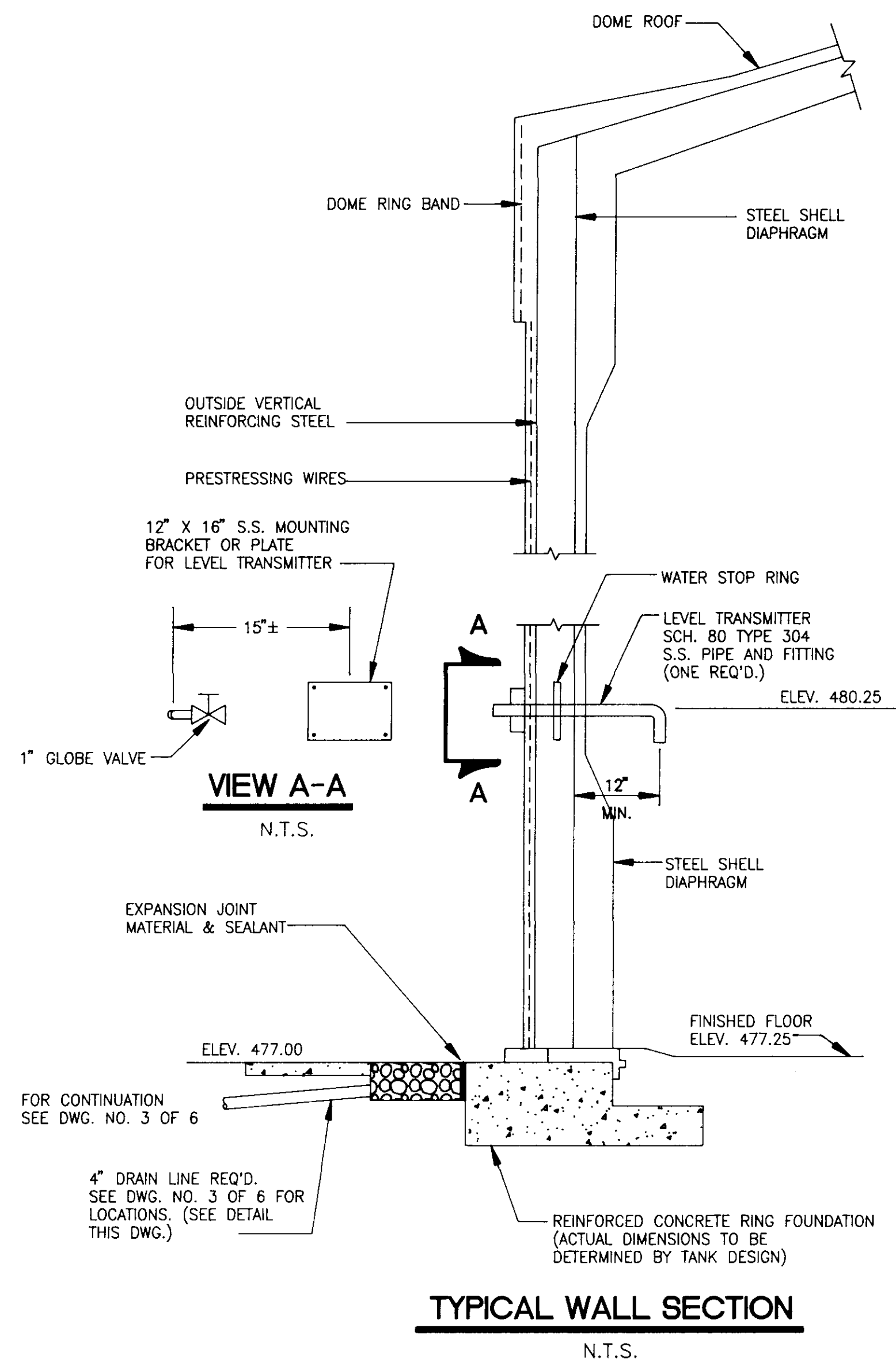
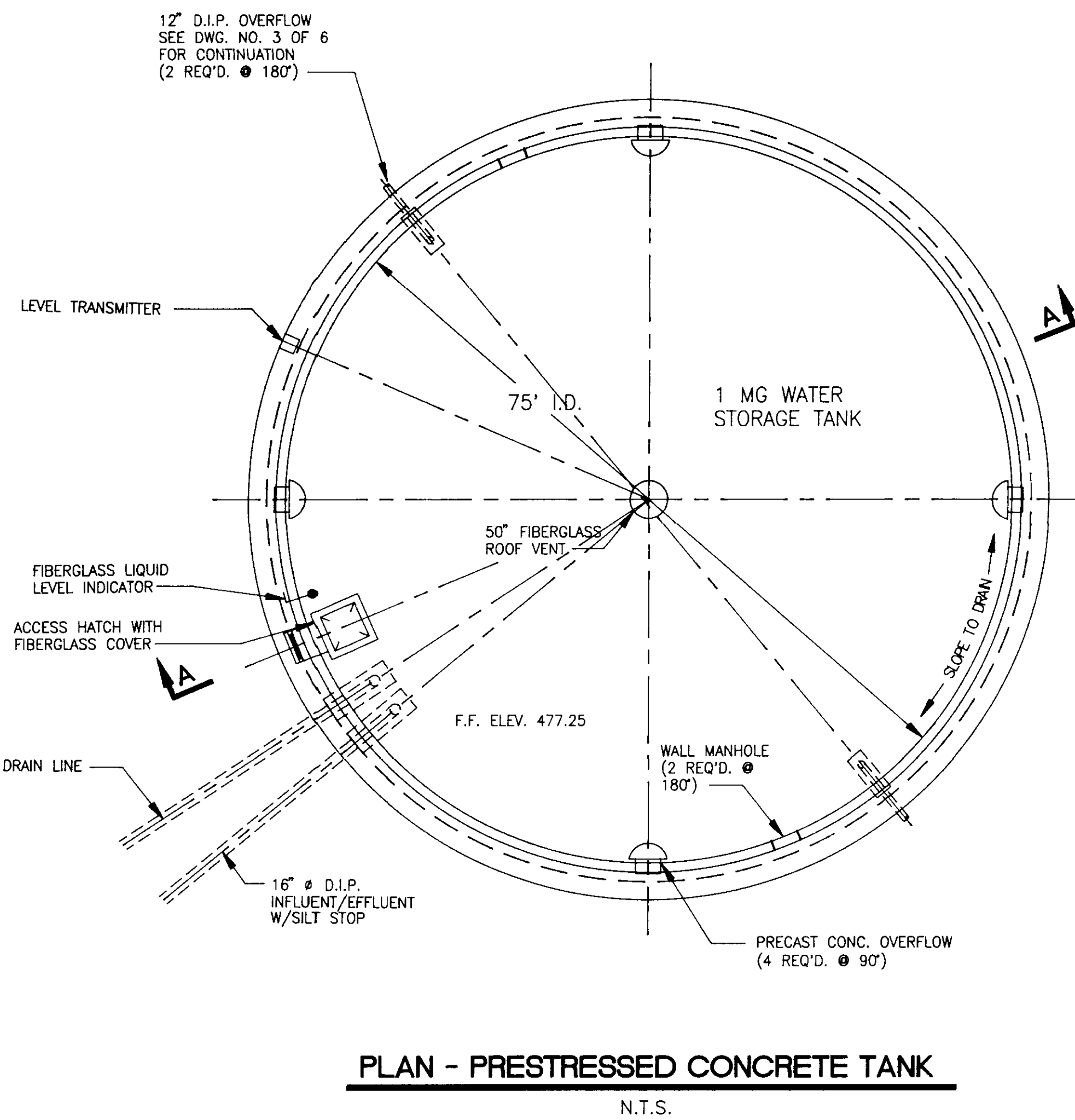
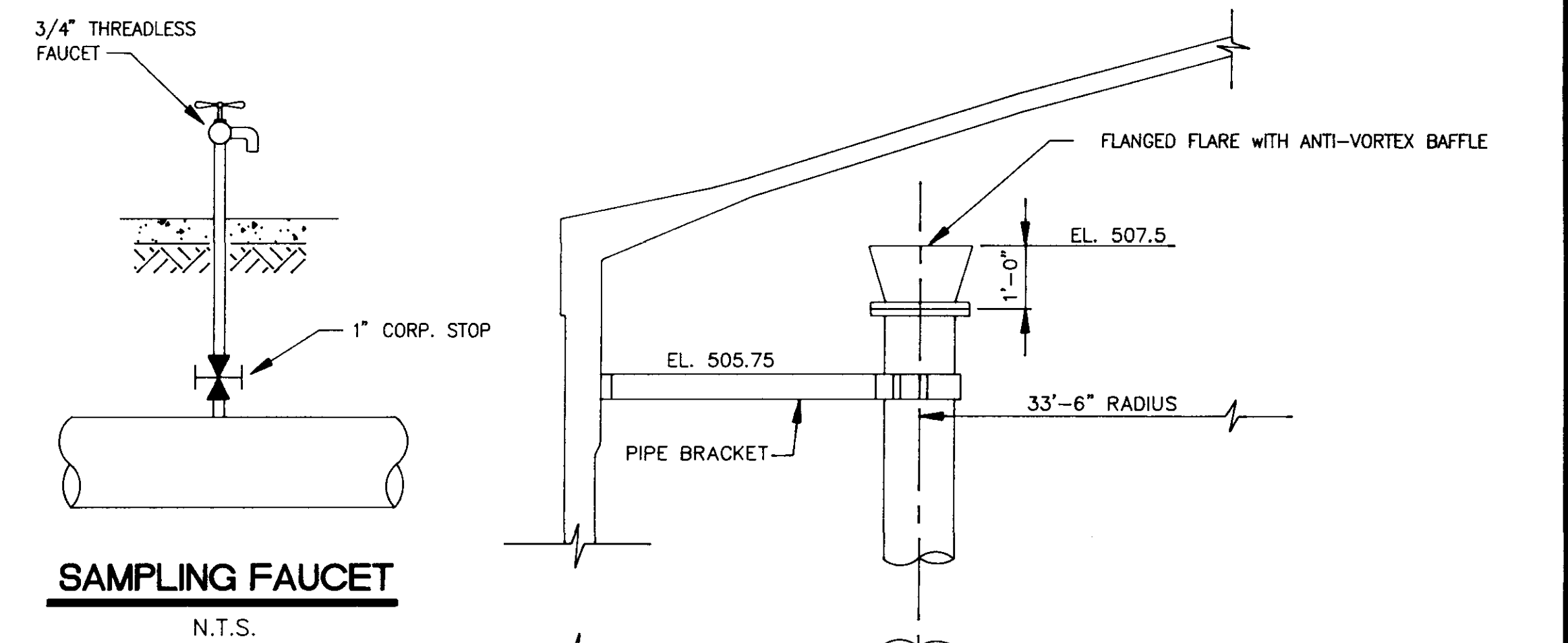
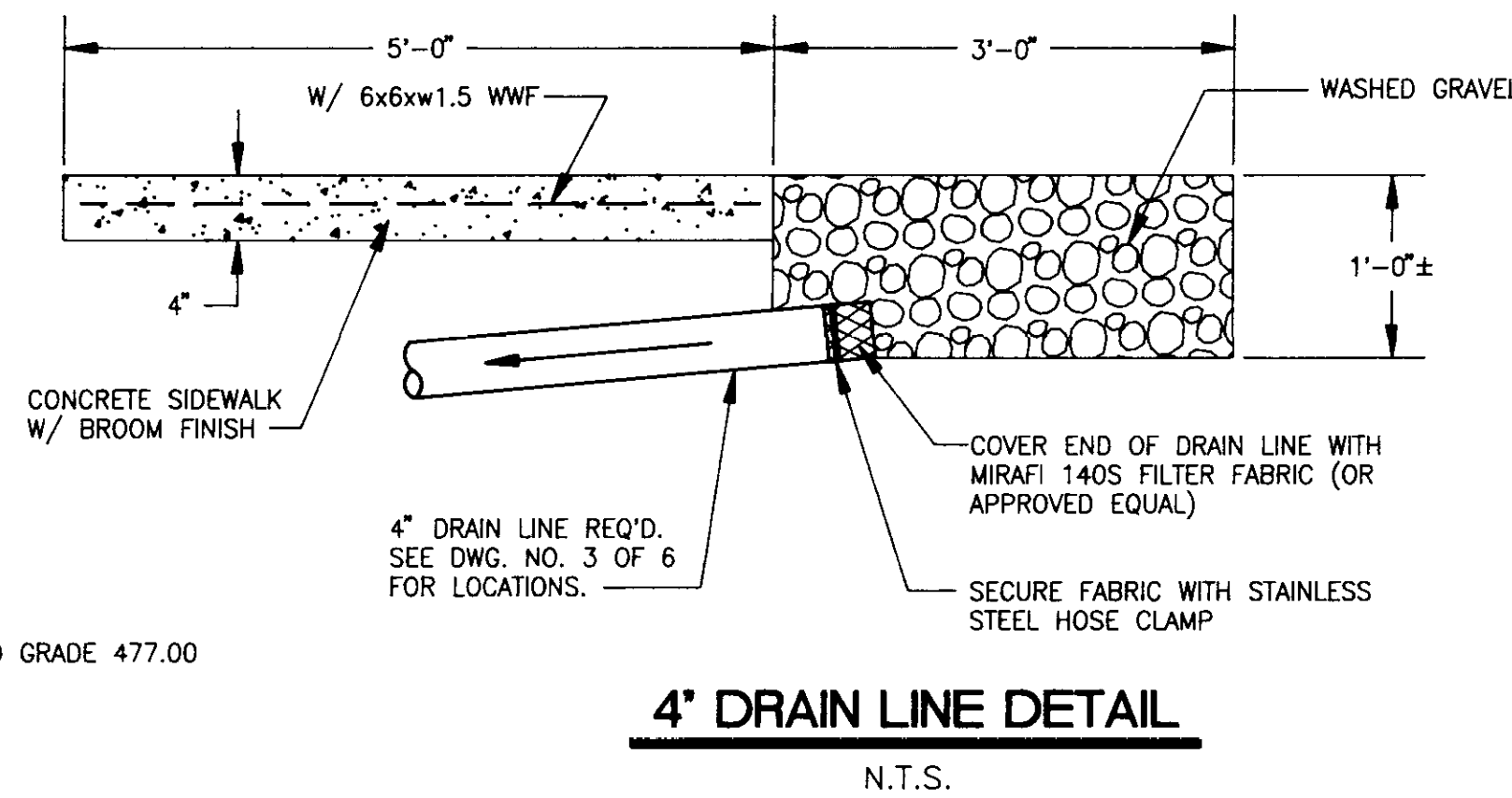
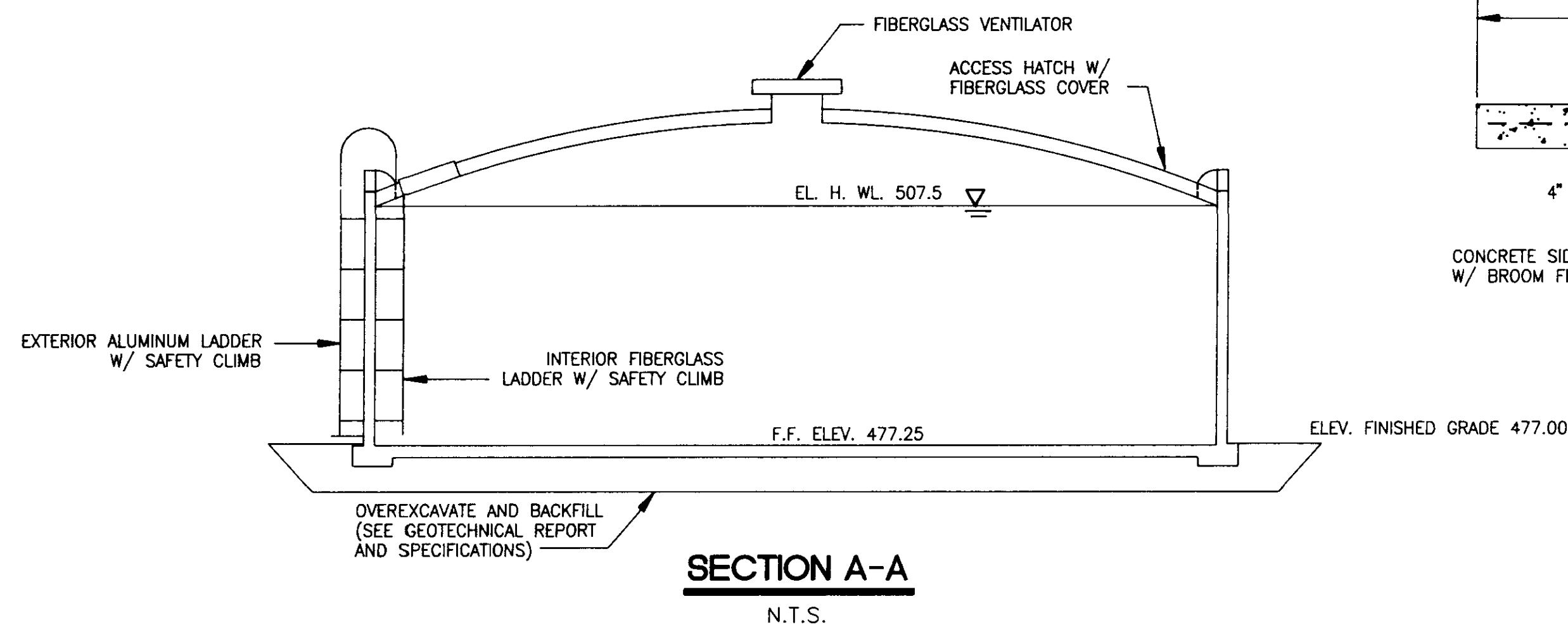
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DRWN: RDB	7/22		
CHKD:			
SCALE: 1" = 10'			

*OK on 16" valve*

332428

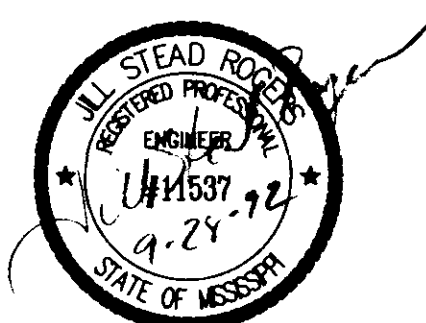
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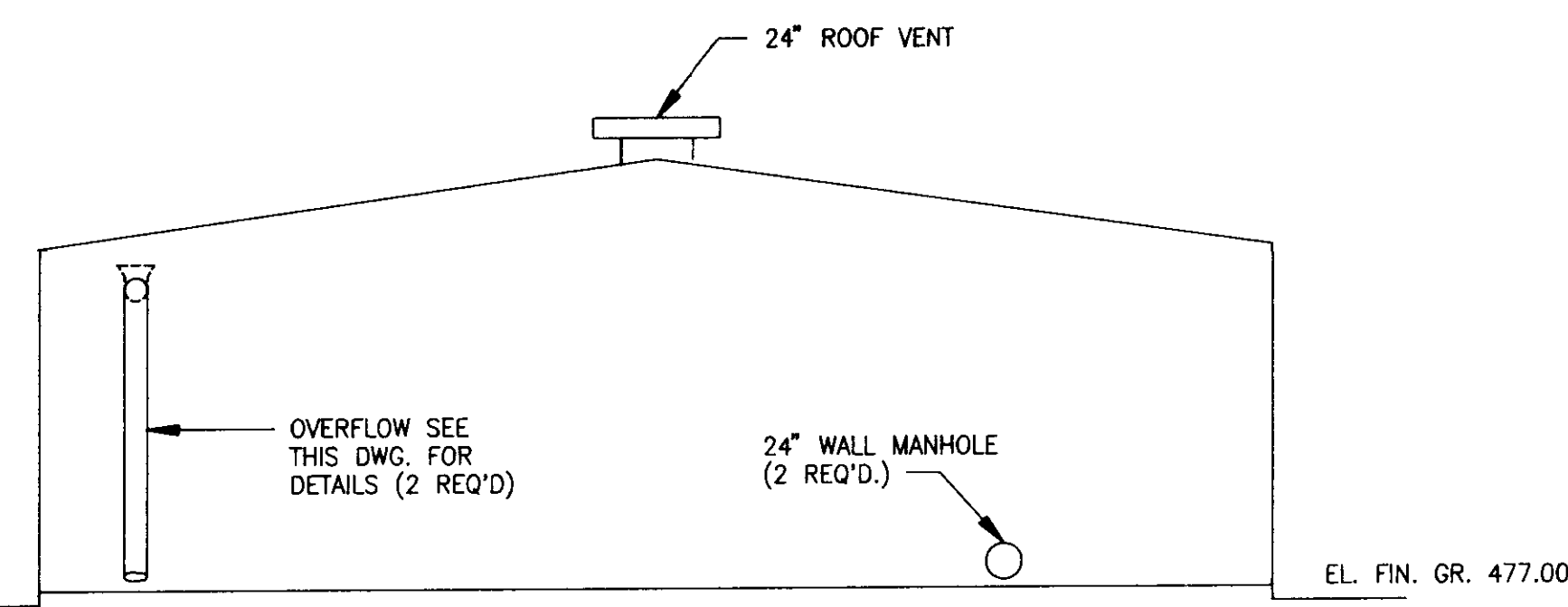


**GENERAL NOTES**

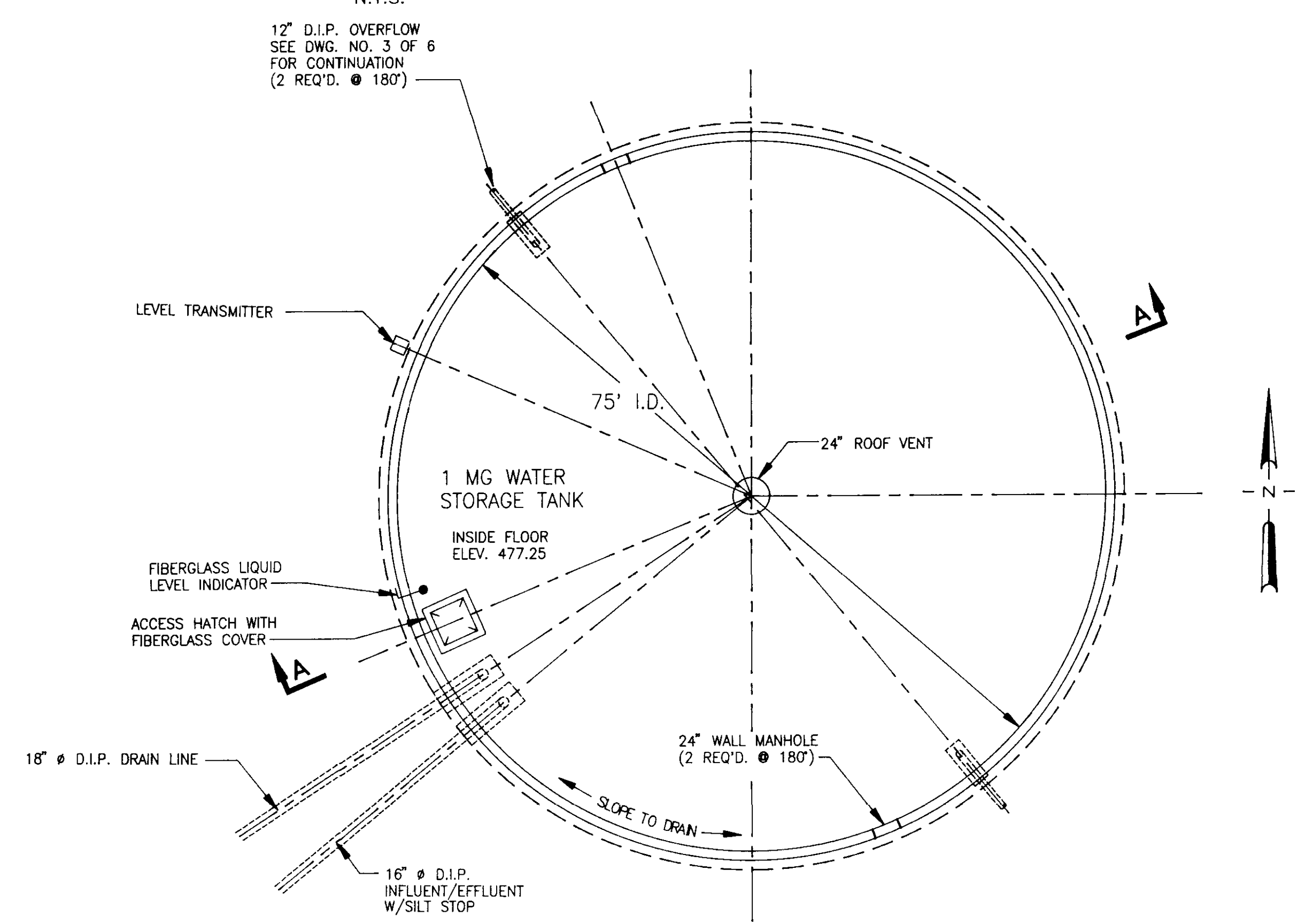
- SEE SPECIFICATIONS FOR MINIMUM DESIGN CRITERIA FOR DESIGN AND ERECTION OF PRESTRESSED CONCRETE STORAGE TANKS.
- PROVIDE FOUR STAINLESS STEEL SETTLEMENT PINS. PLACEMENT IS TO BE AT 90° AND 2 FEET ABOVE THE SIDEWALK ELEVATION.
- OVERFLOW VENTS TO HAVE A MINIMUM OPENING OF 200 SQUARE INCHES EACH.
- WASH GRAVEL TO BE INCLUDED IN THE LUMP SUM TANK BID PRICE.
- 1-INCH GLOBE VALVE SHALL BE BRONZE BODY, RISING STEM, THREADED, FIGURE 180 AS MANUFACTURED BY WILLIAM POWELL CO. OR APPROVED EQUAL.



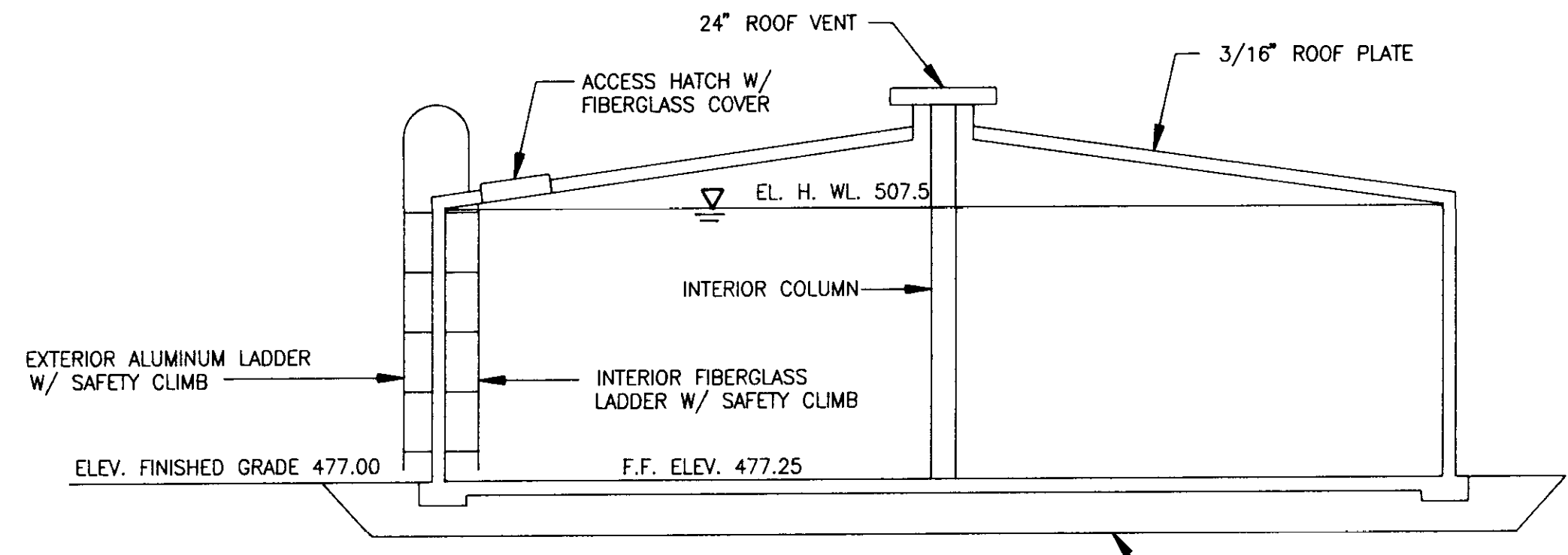
ONE-MILLION GALLON WATER STORAGE TANK NS ACCOUNT NO. 3-1898-01	
PRESTRESSED CONCRETE TANK	
CITY OF RIDGELAND, MISSISSIPPI	
DSGN: JSR 1/92 DRWN: RDB 1/92 CHKD: DRB 9/92 SCALE: N.T.S.	NEEL-SCHAFFER, INC. ENGINEERS - PLANNERS Jackson, Mississippi
DRAWING NO. 4 OF 7	



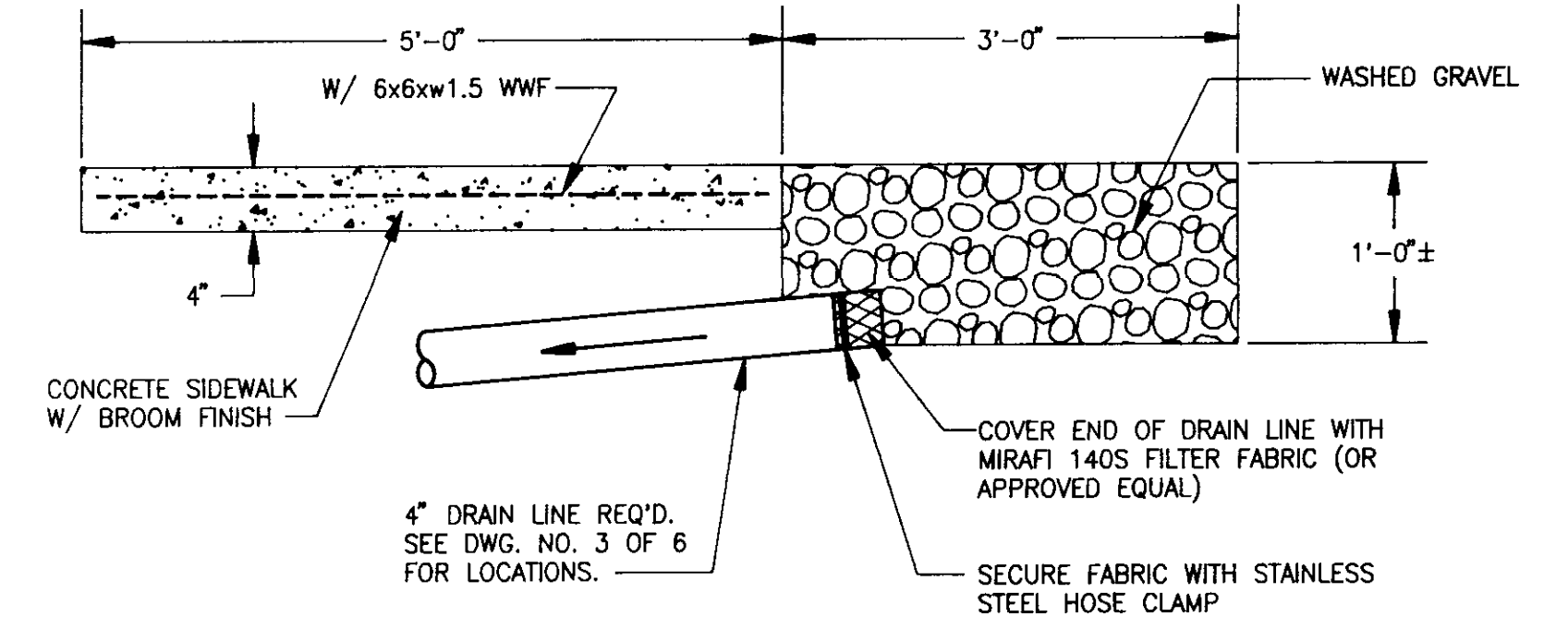
**ELEVATION**  
N.T.S.



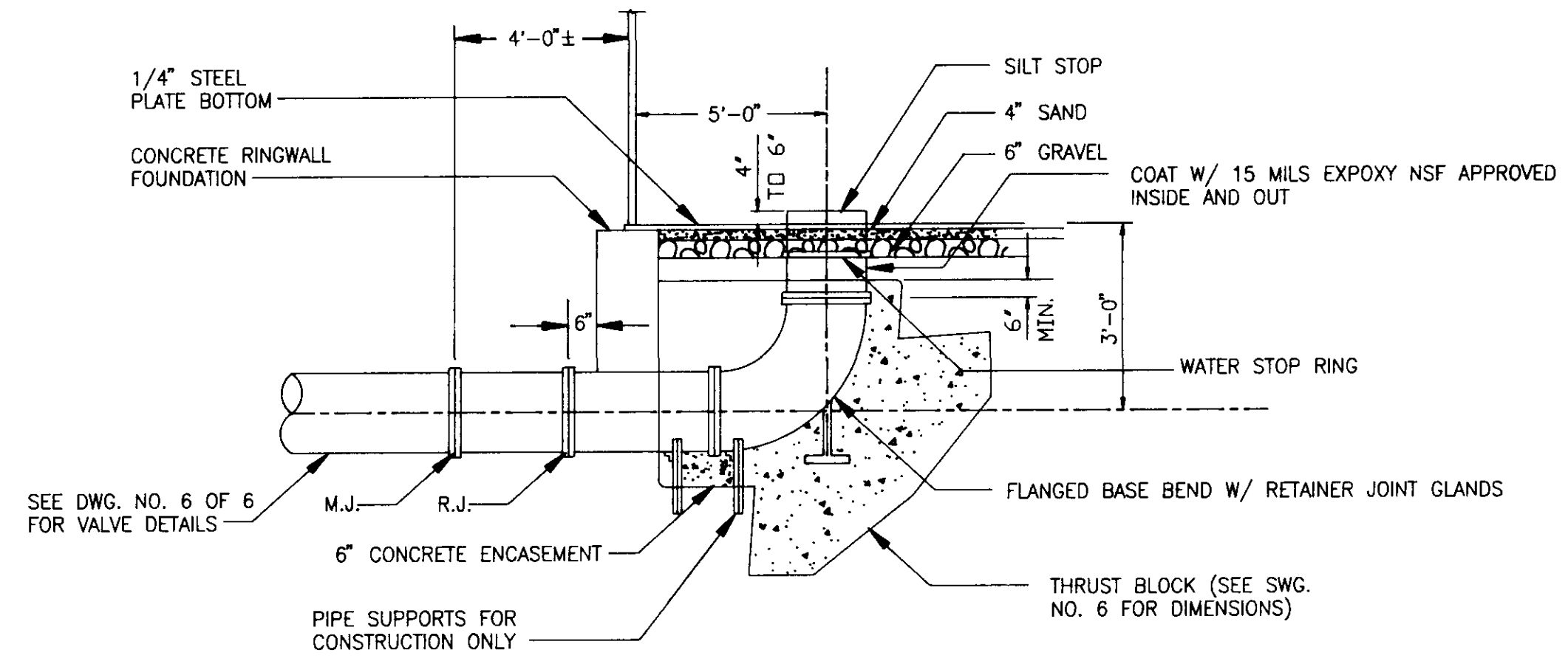
**PLAN - STEEL TANK ALTERNATE**  
N.T.S.



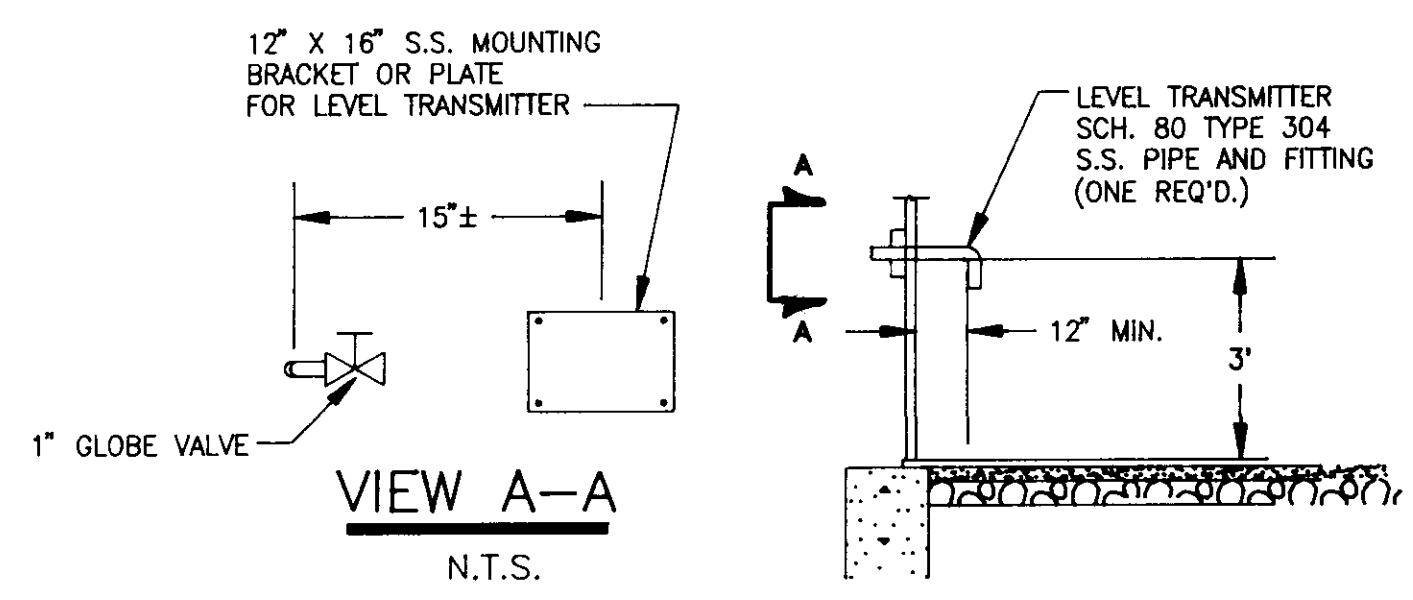
**SECTION A-A**  
N.T.S.



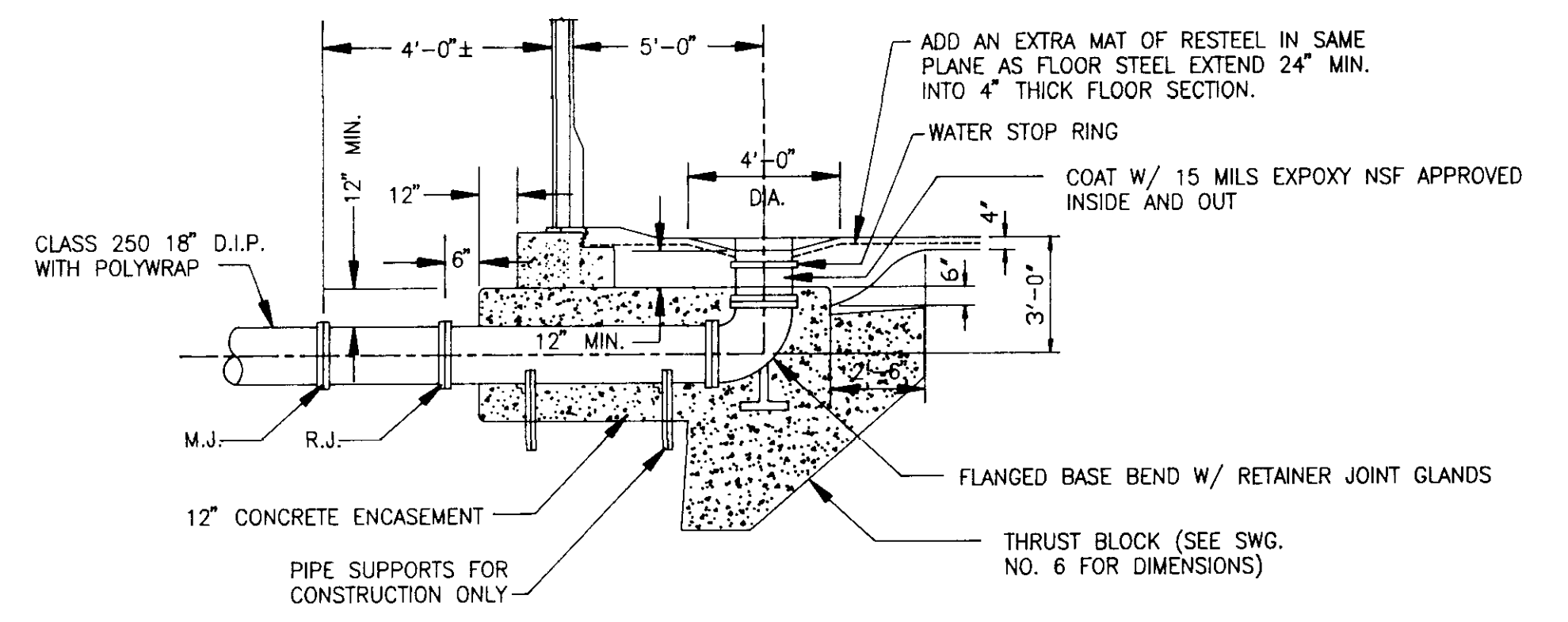
**4" DRAIN LINE DETAIL**  
N.T.S.



**16" D.I.P. INFLUENT/EFFLUENT**  
N.T.S.



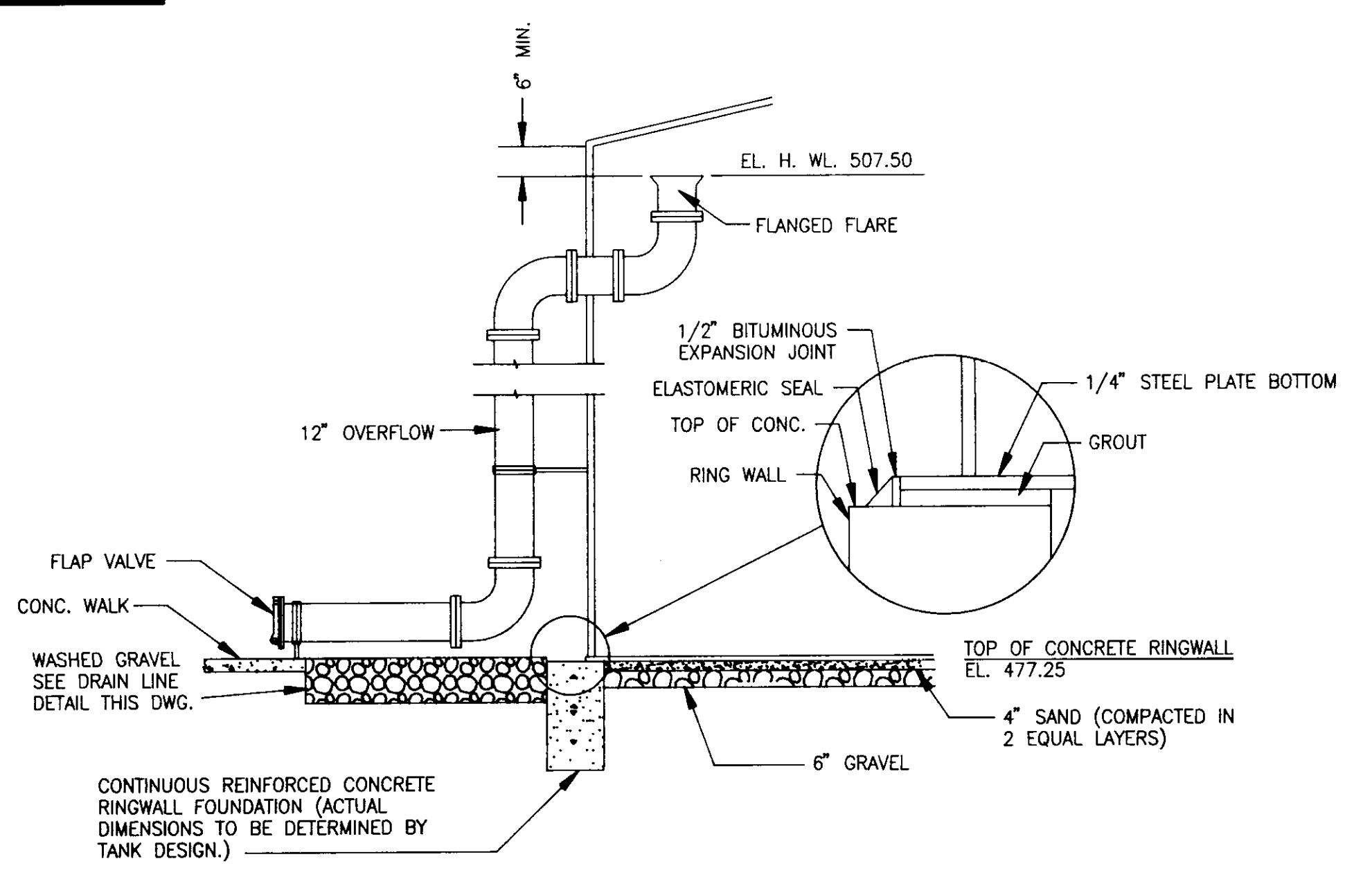
**LEVEL TRANSMITTER ASSEMBLY**  
N.T.S.



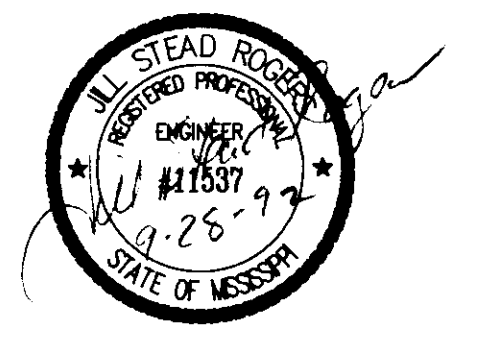
**18" D.I.P. DRAIN**  
N.T.S.

**GENERAL NOTES**

- SEE SPECIFICATIONS FOR MINIMUM DESIGN CRITERIA FOR DESIGN AND ERECTION OF STEEL STORAGE TANKS.
- PROVIDE FOUR STAINLESS STEEL SETTLEMENT PINS PER TANK. PLACEMENT IS TO BE AT 90° AND 2 FEET ABOVE THE SIDEWALK ELEVATION.
- CATHODIC PROTECTION IS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF ELECTRICAL MATERIALS AND METHODS TO POWER THE CATHODIC PROTECTION SYSTEM.
- WASH GRAVEL TO BE INCLUDED IN THE LUMP SUM TANK BID PRICE.
- 1-INCH GLOBE VALVE SHALL BE BRONZE BODY, RING STEM, THREADED, FIGURGE 180 AS MANUFACTURED BY WILLIAM POWEL CO. OR APPROVED EQUAL.



**TYPICAL WALL SECTION - STEEL TANK ALTERNATE**  
N.T.S.



**ONE-MILLION GALLON WATER STORAGE TANK**  
NS ACCOUNT NO. 3-1898-01

**STEEL TANK ALTERNATE**

**CITY OF RIDGELAND, MISSISSIPPI**

DSGN: JSR 1/92	NEEL-SCHAFFER, INC. ENGINEERS - PLANNERS JACKSON, MISSISSIPPI	DRAWING NO. <b>5 of 7</b>
DRWN: RDB 7/92		
CHKD: DRB 8/92		
SCALE: N.T.S.		



**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	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	6	—	—	26.0(1.0)	14.0(.5)	7.0(.3)
8	4.0	6.0	3.0	2.0	2.0	8	—	—	45.0(1.7)	25.0(.9)	13.0(.5)
10	6.0	9.0	5.0	2.5	2.0	10	—	—	68.0(2.5)	37.0(1.4)	19.0(.7)
12	9.0	11.0	6.0	3.5	2.0	12	—	—	97.0(3.6)	52.0(1.9)	27.0(1.0)
14	12.0	18.0	9.0	5.0	2.5	14	—	—	130(4.8)	70.0(2.6)	36.0(1.3)
16	16.0	22.5	12.0	6.0	3.0	16	—	—	168(6.2)	91.0(3.4)	46.0(1.7)
18	20.0	28.0	15.0	8.0	4.0	18	—	—	211(7.8)	114(4.2)	58.0(2.2)
20	24.5	34.0	19.0	10.0	5.0	20	—	—	259(9.6)	140(5.2)	72.0(2.6)
24	35.0	49.0	27.0	14.0	7.0	24	—	—	370(13.7)	200(7.4)	102(3.8)
30	54.0	76.0	41.0	21.0	10.0	30	—	—	568(21.1)	308(11.4)	156(5.8)
36	77.0	108.0	59.0	30.0	15.0	36	—	—	814(30.1)	440(16.3)	225(8.3)
42	104.0	146.0	79.0	40.0	20.0	42	—	—	1100(40.7)	595(22.0)	303(11.2)

**VERTICAL BENDS**

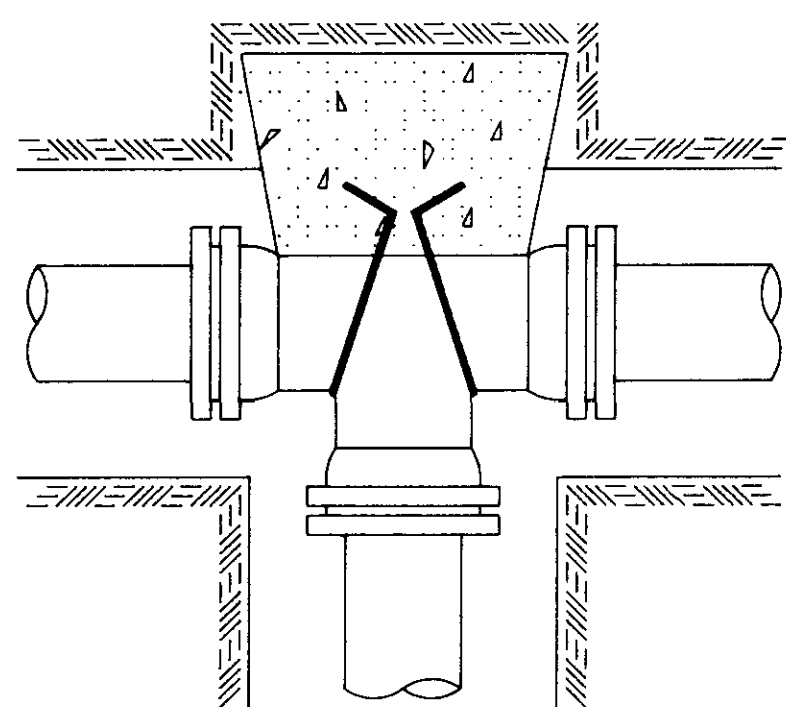
NOTE:

ABOVE VALUES CALCULATED USING P=100 AND ALLOWANCE. SOIL BRG. = 1500 PSF. FOR DIFFERENT P, MULTIPLY ABOVE VALUES BY P/100.

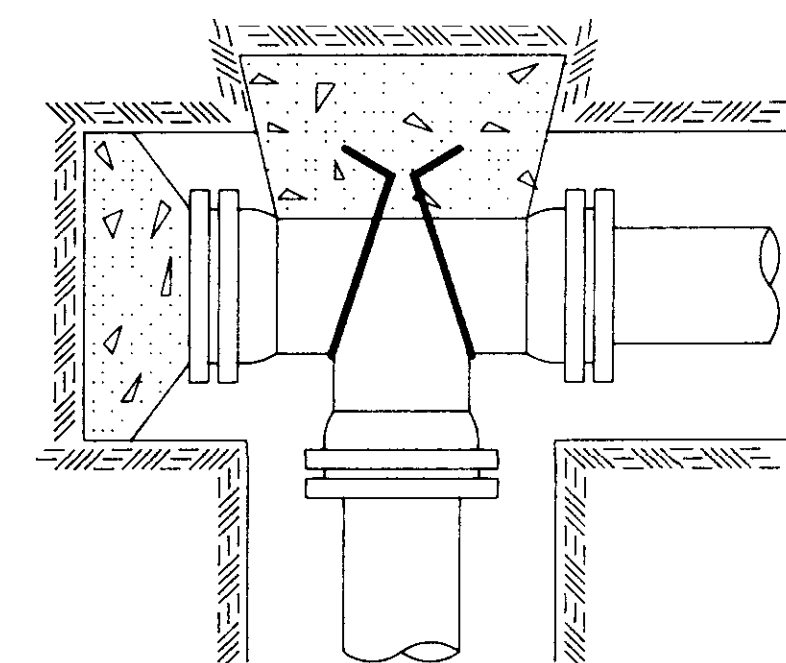
FOR DIFFERENT SOIL BRG, MULTIPLY ABOVE VALUES BY 1500/S.B.

NOTE:

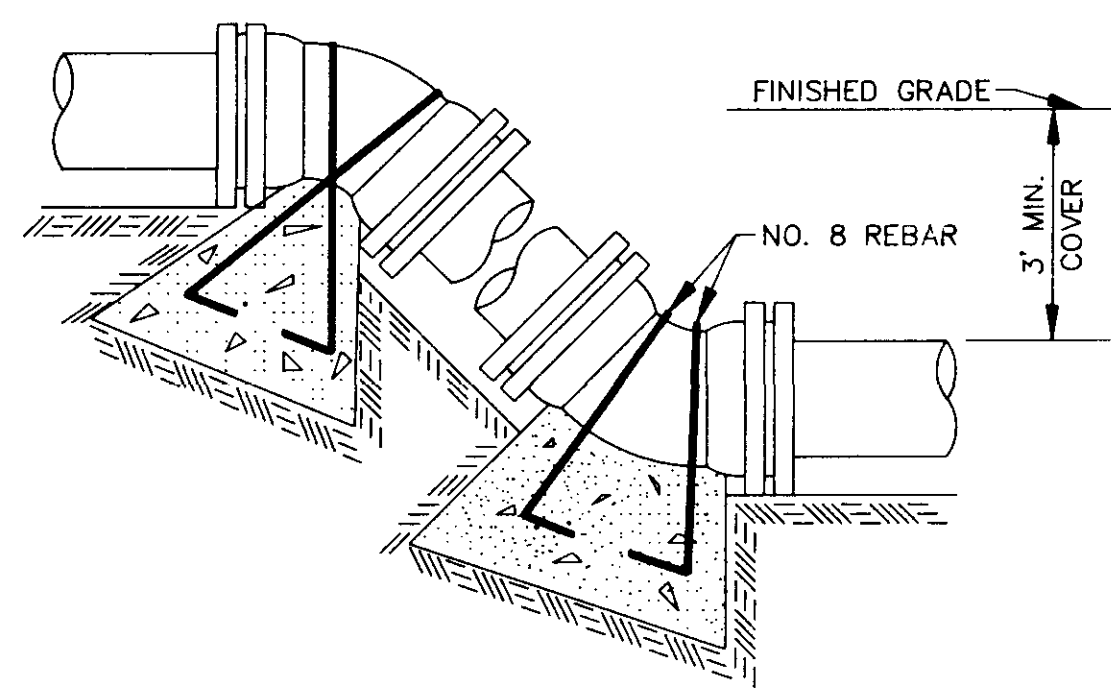
ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



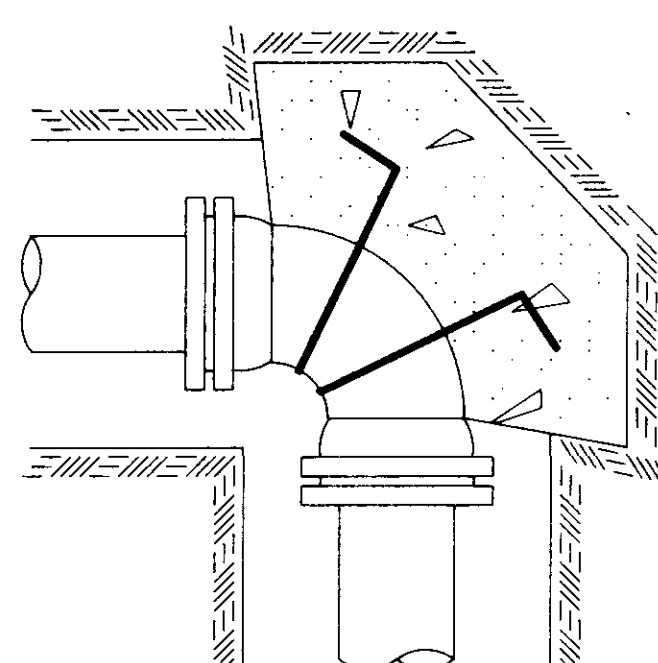
**TEE**



**PLUGGED TEE**



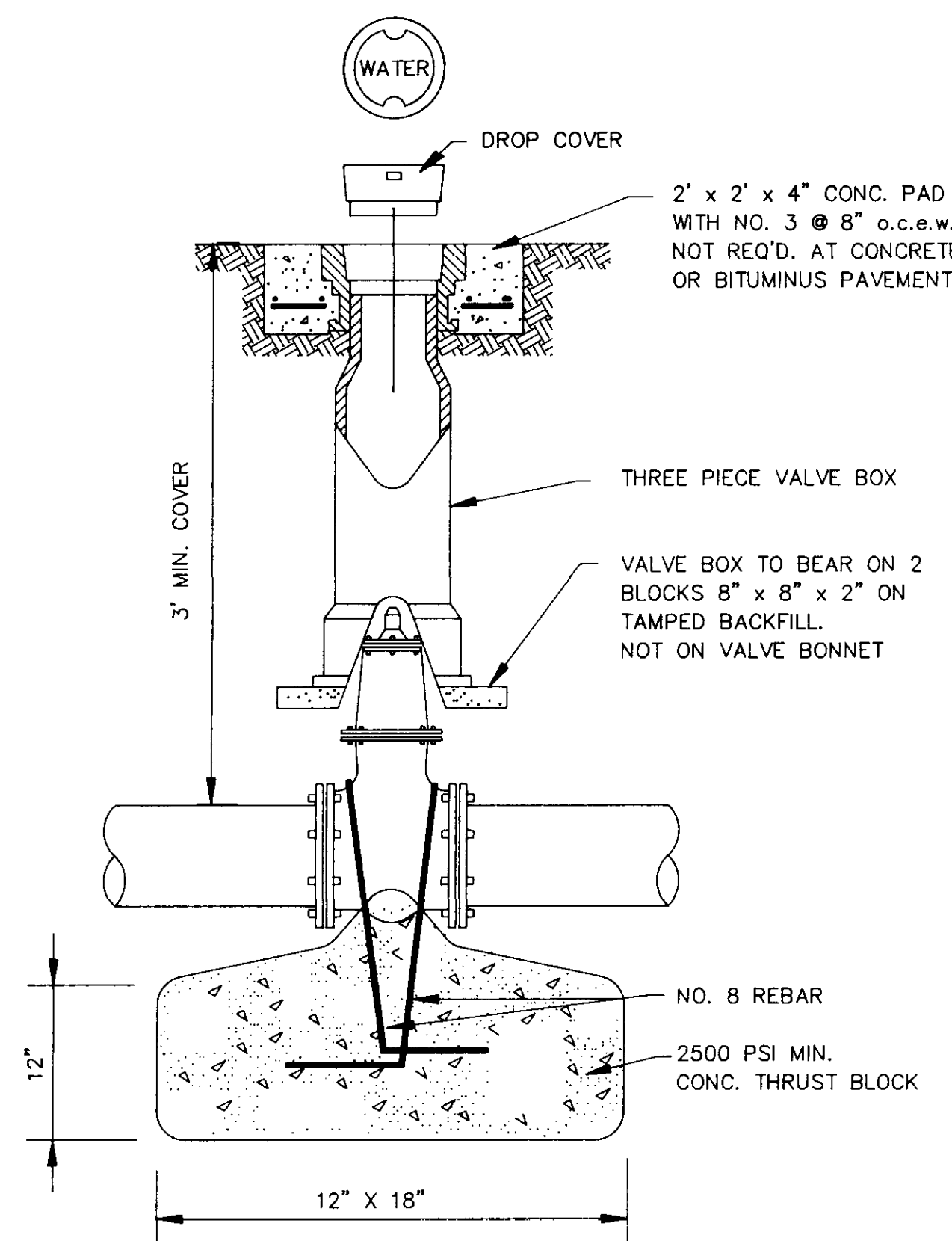
**VERTICAL BENDS**



**90° BEND**

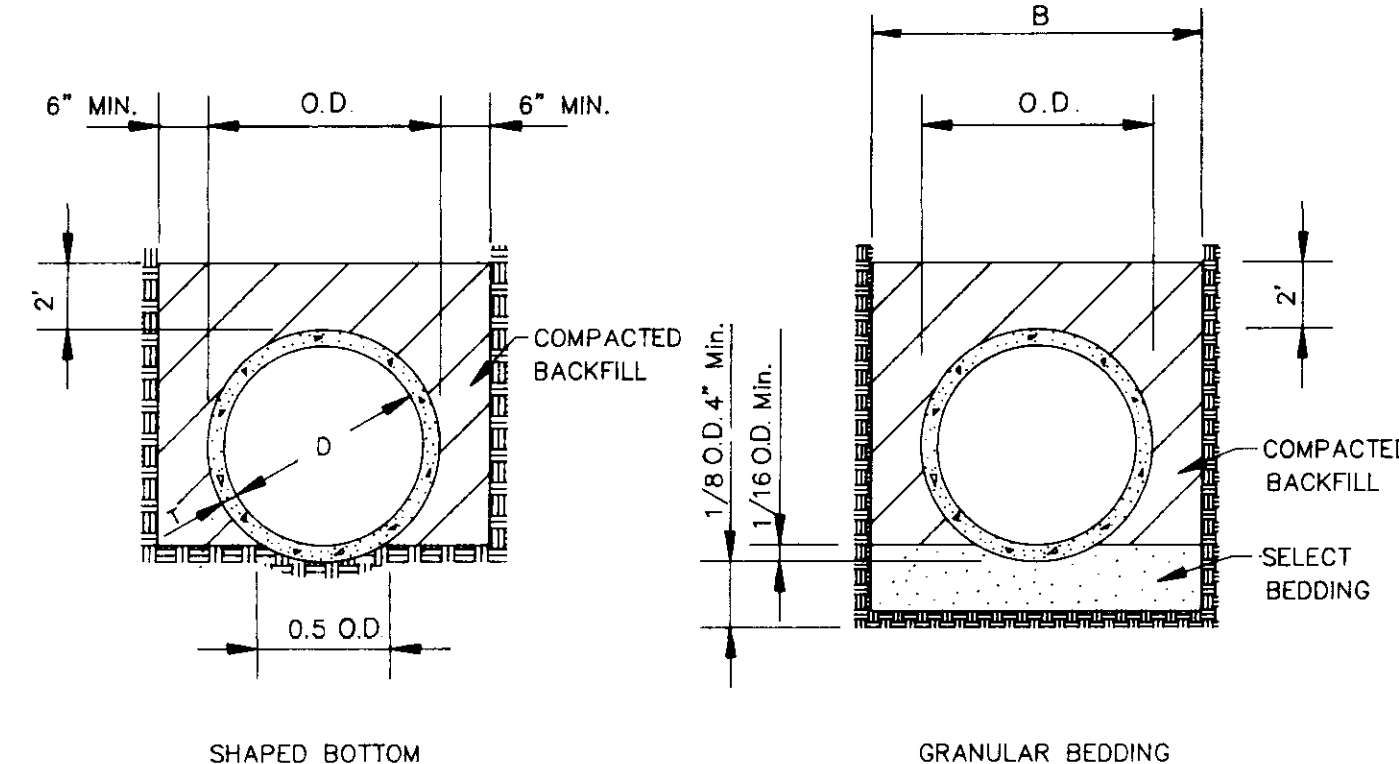
PIPE SIZE (IN.)	TRENCH WIDTH (FT.)
4	2.50
6	2.50
8	3.00
10	3.50
12	4.00
15	4.25
18	4.50
21	4.75
24	5.00
27	5.25
30	5.50
33	5.75
36	6.00
42	7.00
48	7.50
54	8.00
60	8.50
66	9.00
72	9.50
78	10.00
84	10.50

**SCHEDULE OF BEDDING**



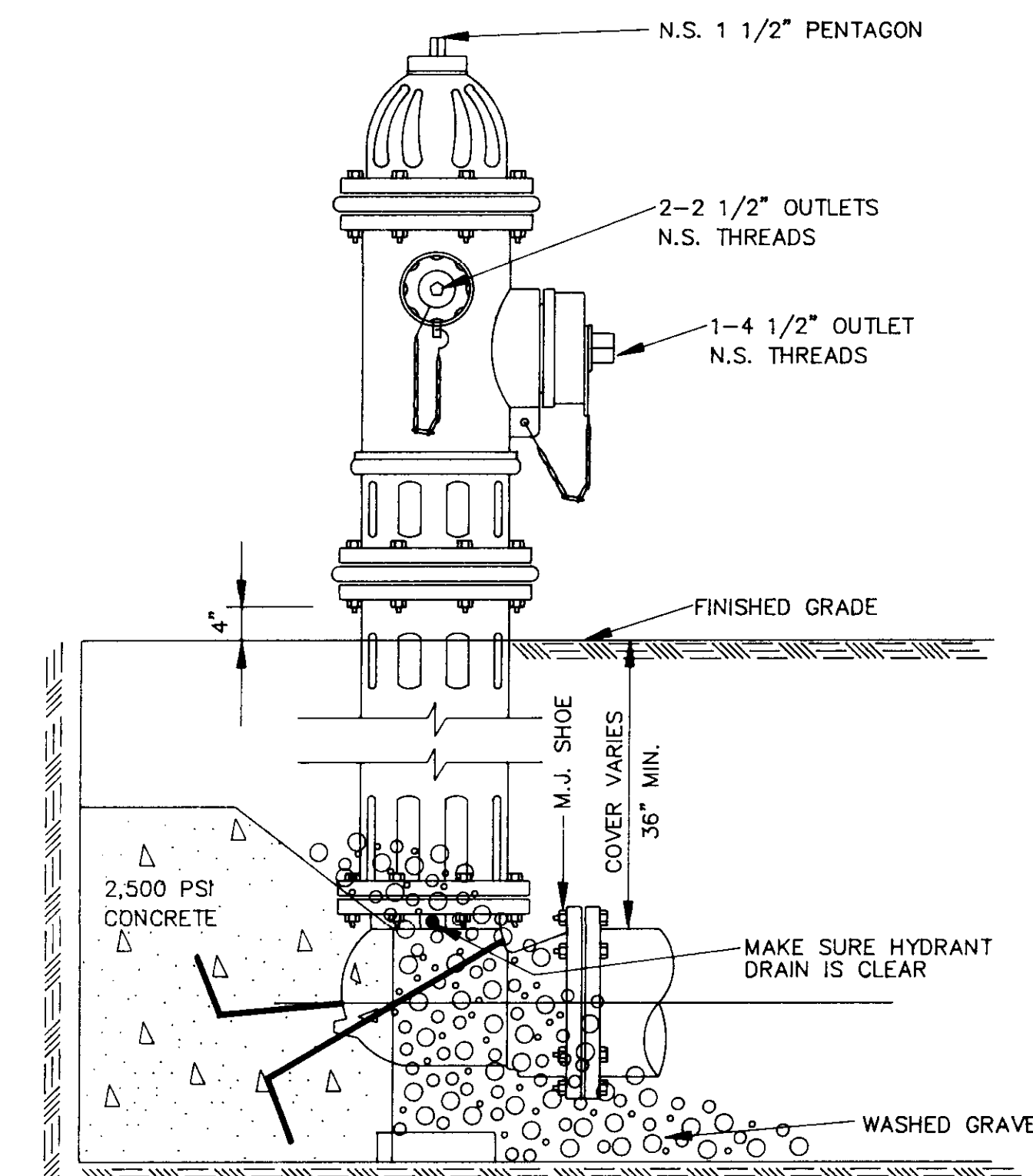
**GATE VALVE DETAIL**

N.T.S.

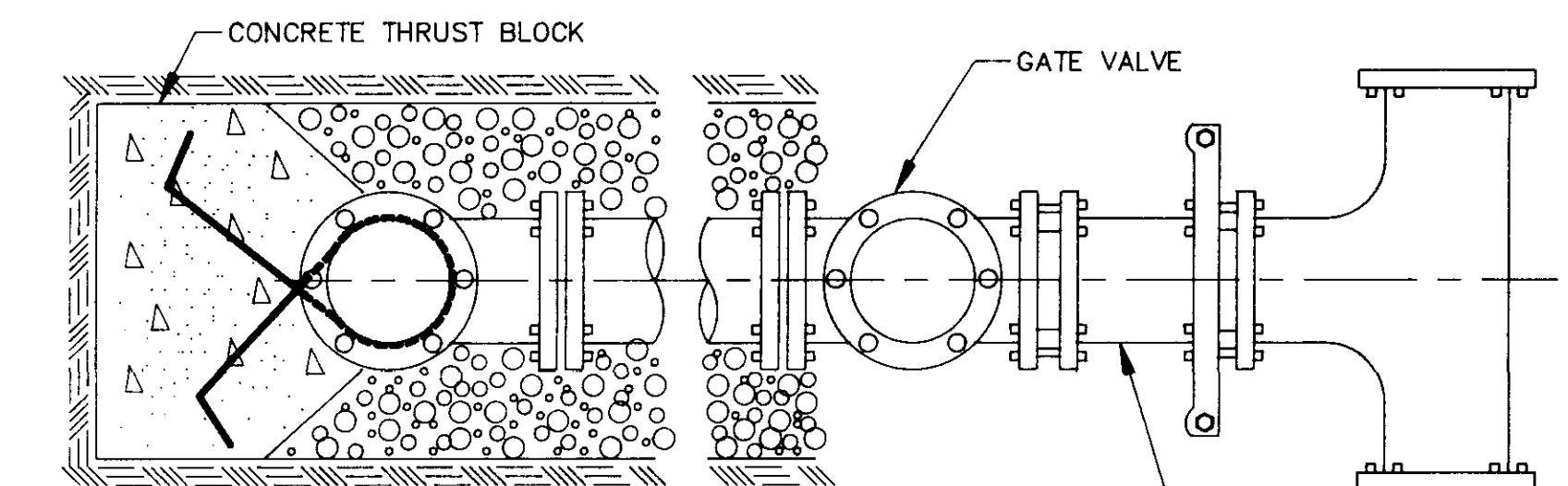


**TYPICAL TRENCH DETAILS**

N.T.S.



**ELEVATION**

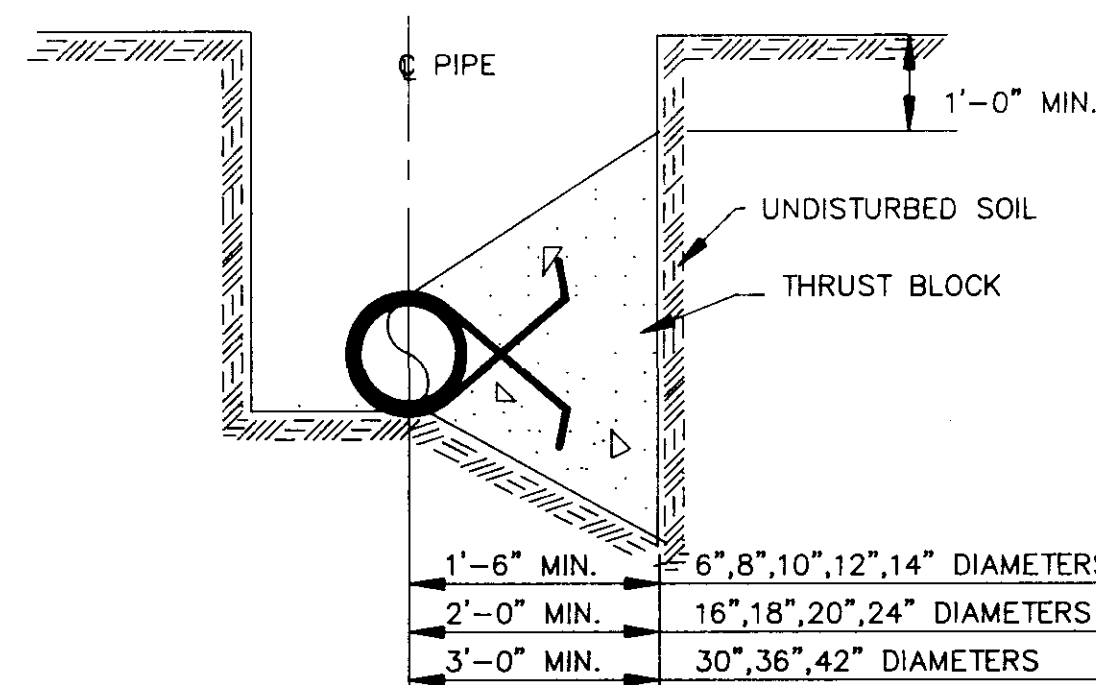


**PLAN**

**TYPICAL FIRE HYDRANT INSTALLATION**

NOTE: GATE VALVES WILL BE REQUIRED ON ALL FIRE HYDRANT LEGS.

N.T.S.

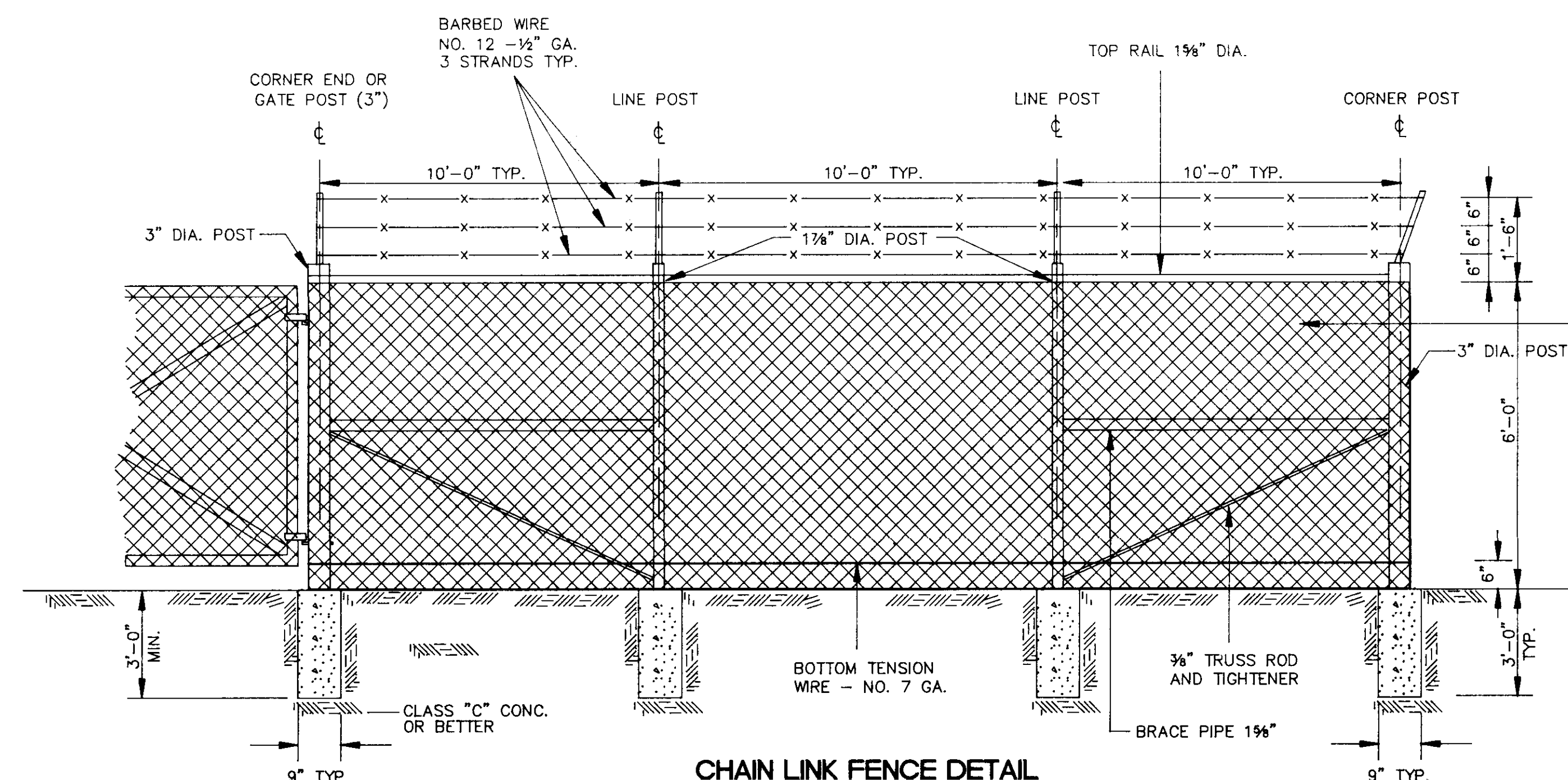


**TYPICAL CROSS SECTION**

**TYPICAL THRUST BLOCKING IN WATER MAINS**

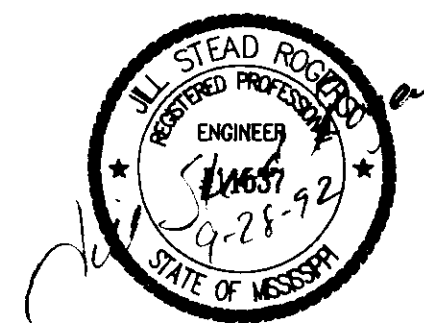
N.T.S.

NOTE: ALL THRUST BLOCKS 2,500 PSI CONCRETE AGAINST UNDISTURBED EARTH



**CHAIN LINK FENCE DETAIL**

N.T.S.

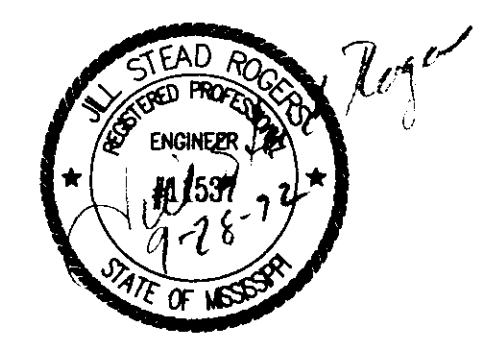
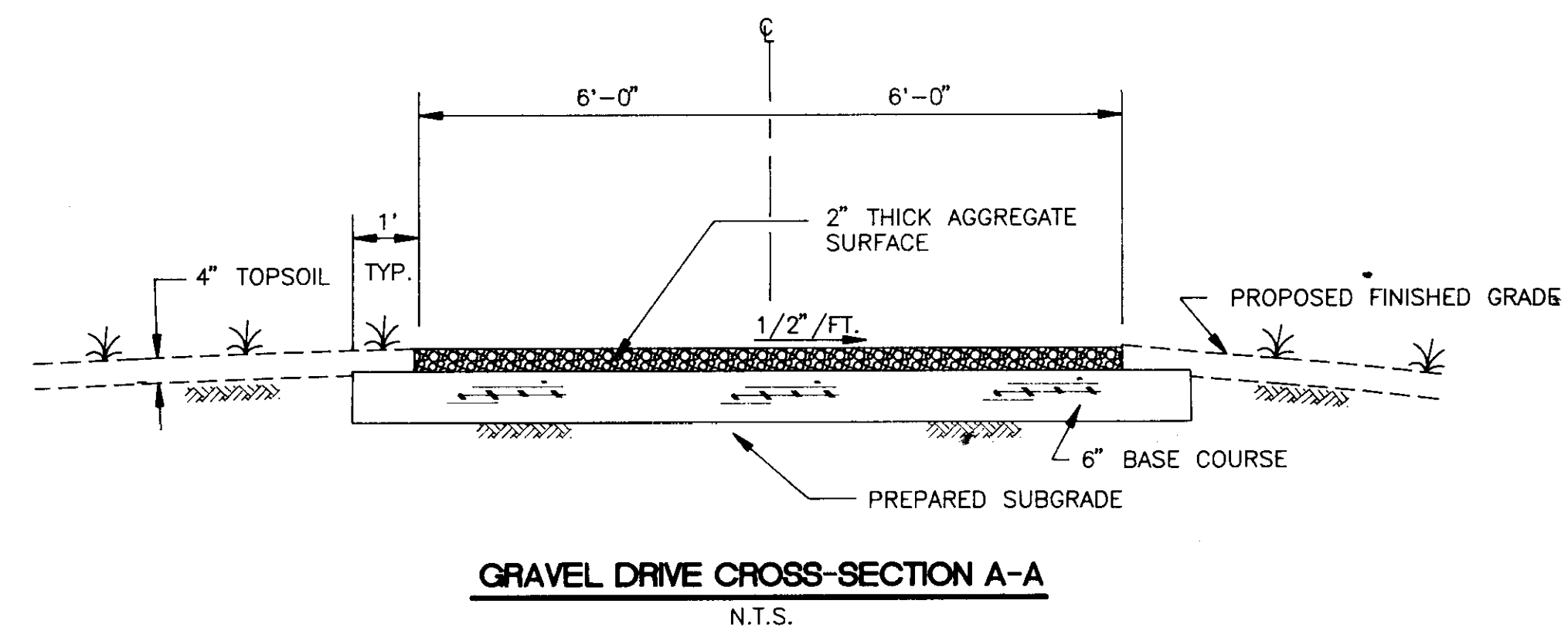
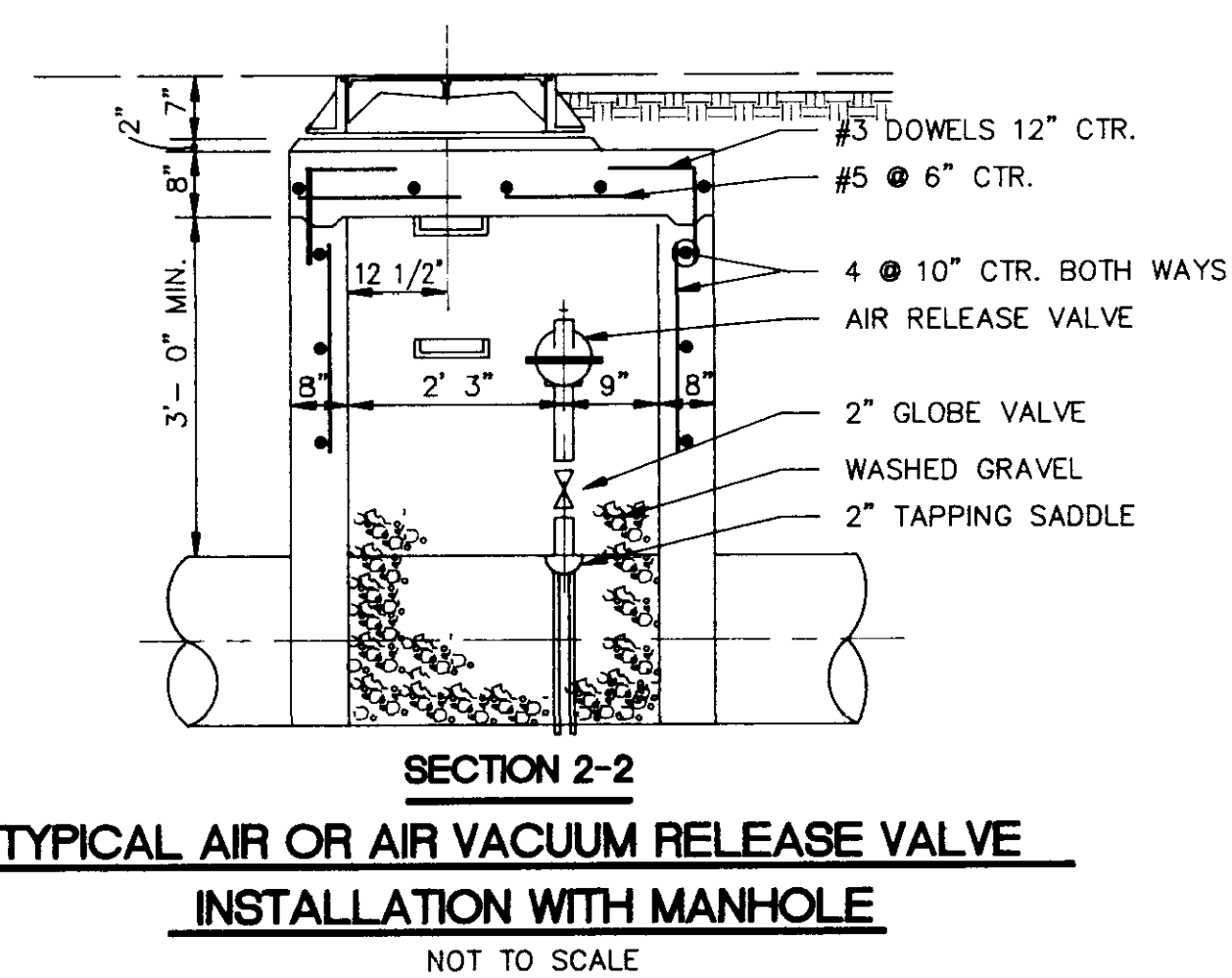
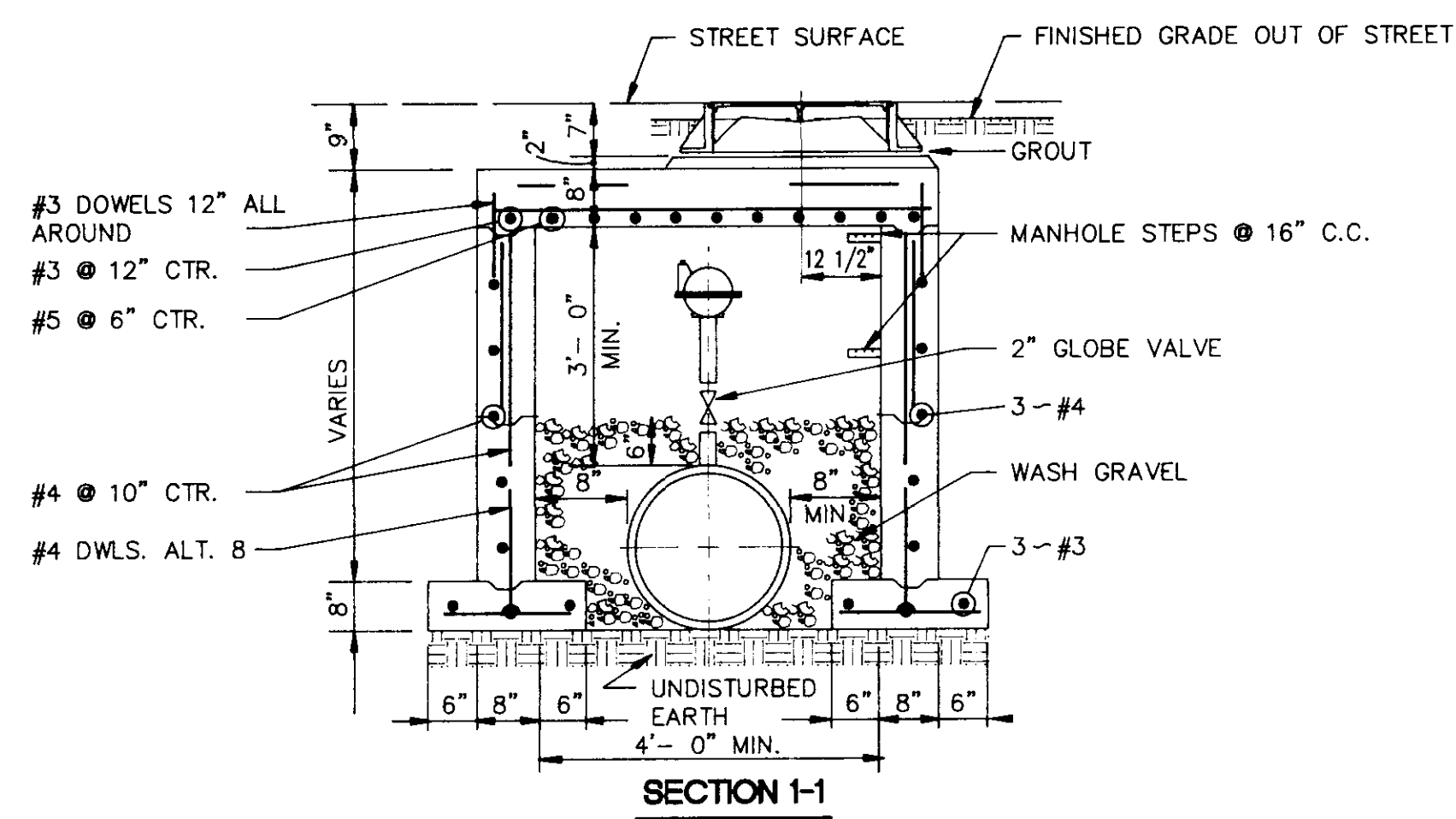
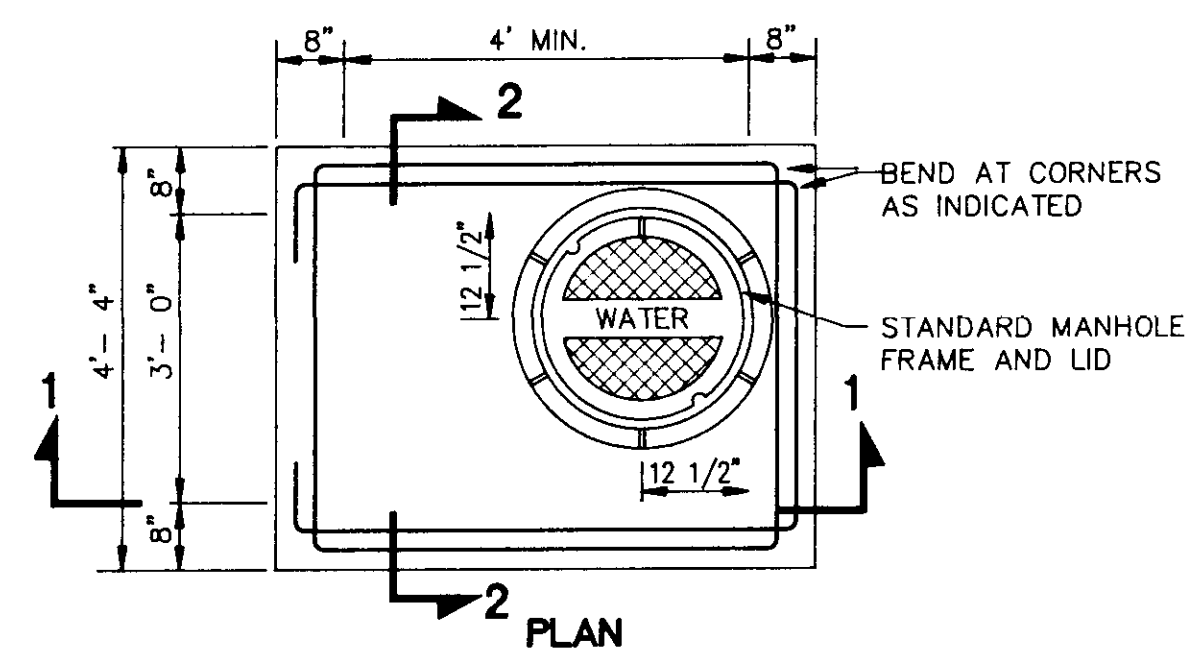


ONE-MILLION GALLON WATER STORAGE TANK  
NS ACCOUNT NO. 3-1898-01

MISCELLANEOUS DETAILS

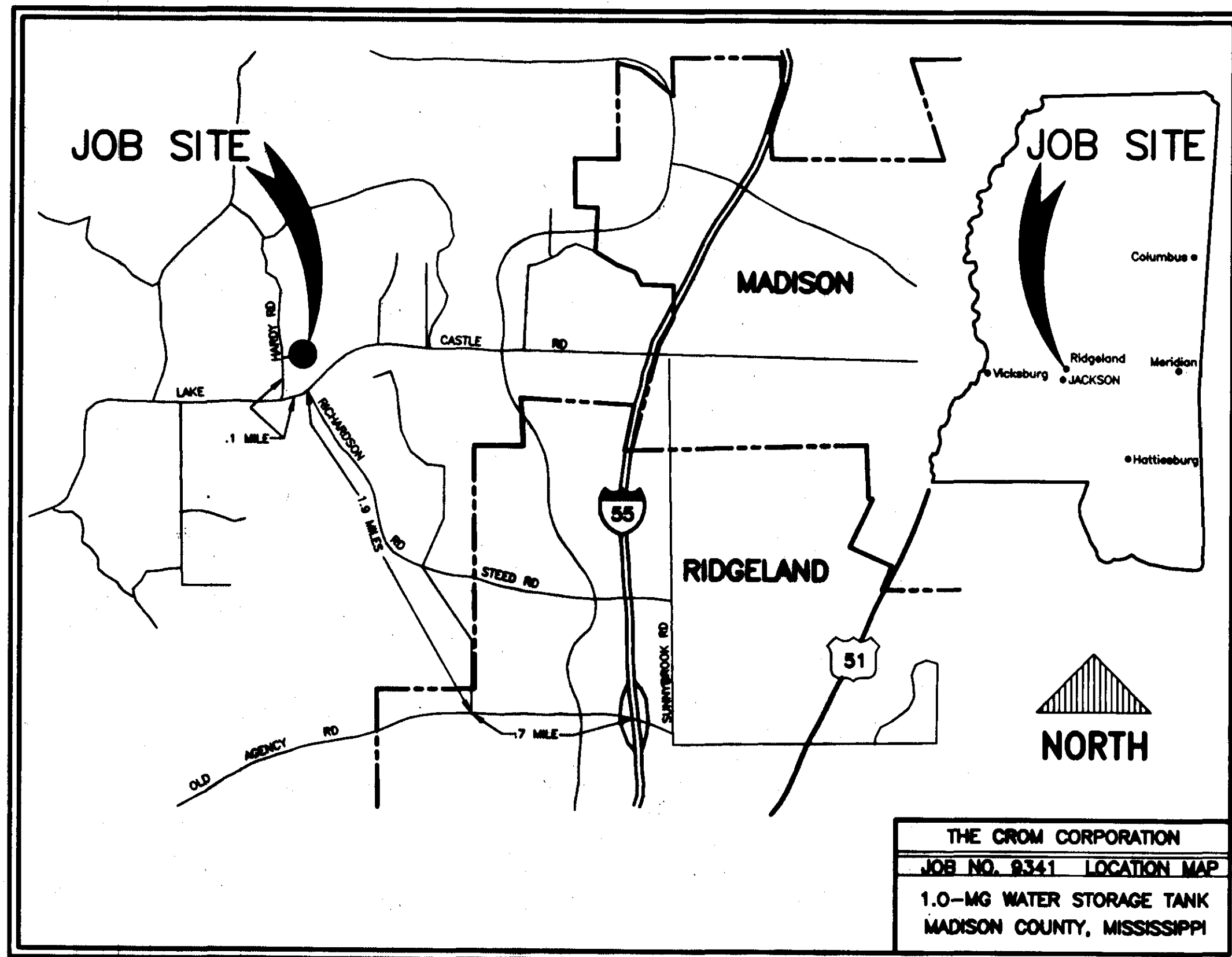
CITY OF RIDGELAND, MISSISSIPPI

DSGN: LSR 1/92	ENGINEER	DRAWING NO.
DRWN: RDP 1/92	NEEL-SCHAFFER, INC.	6 of 7
CHKD: D.F.B. 8/92	ENGINEERS - PLANNERS	
SCALE: N.T.S.	JACKSON, MISSISSIPPI	



ONE-MILLION GALLON WATER STORAGE TANK NS ACCOUNT NO. 3-1898-01	
MISCELLANEOUS DETAILS	
CITY OF RIDGELAND, MISSISSIPPI	
DSGN: JSR 1/92	DRAWING NO. 7 OF 7
DRWN: R.D.B. 1/92	
CHKD: DDB 2/92	
SCALE: N.T.S.	

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



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2. PLAN, SECTION-ELEVATION & NOTES
3. TYPICAL WALL DETAILS & PRESTRESSING SCHEDULE
4. 16" DIP DRAIN, 12" DIP WATER LINE (WELL), 16" DIP WATER LINE (SYSTEM) & SAMPLING FAUCET
5. FG MUDSILL, PIPE ENCASEMENT 4" DRAIN LINE, SIDEWALK, WASHED GRAVEL & 1" STAINLESS STEEL LEVEL TRANSMITTER PIPE DETAILS
6. ACCESSORY DETAILS
7. BAFFLE CURTAIN DETAILS

**PWP-05022**

**1.0-MG WATER STORAGE TANK**

AS BUILT  
 THE CROM CORPORATION  
 Date: 3/14/94 [Signature]

**OWNER:** CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI

**CONSULTING ENGINEER:** WAGGONER ENGINEERING, INC.  
 JACKSON, MISSISSIPPI  
 NEEL-SCHAFFER, INC. ENGINEERS \* PLANNERS  
 JACKSON, MISSISSIPPI

**THE CROM CORPORATION**  
 Prestressed Composite Tanks

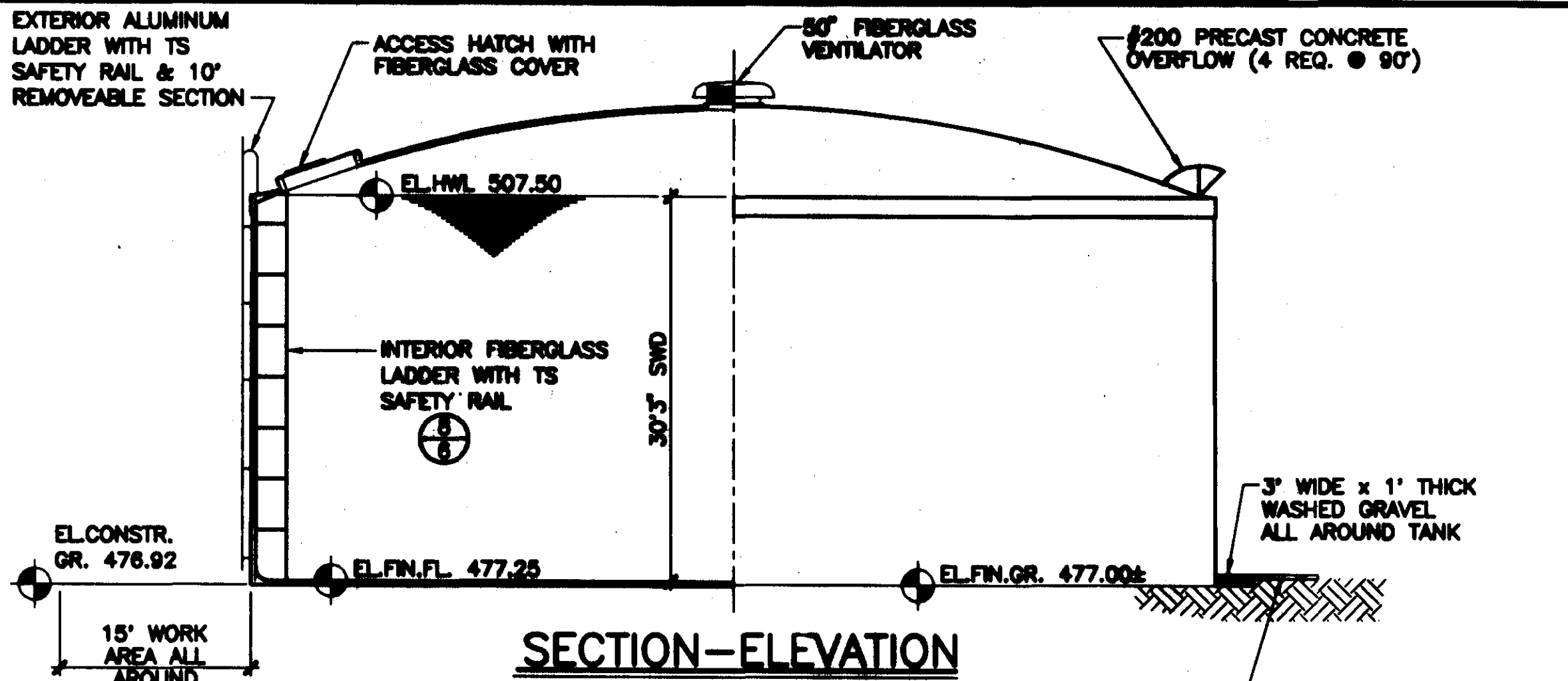
REV	COMMENTS	DATE
0	ALL SHEETS	8-8-83

Revisions are designated by a letter following the FILE NUMBER  
 UPPER CASE letters indicate APPROVED distribution.

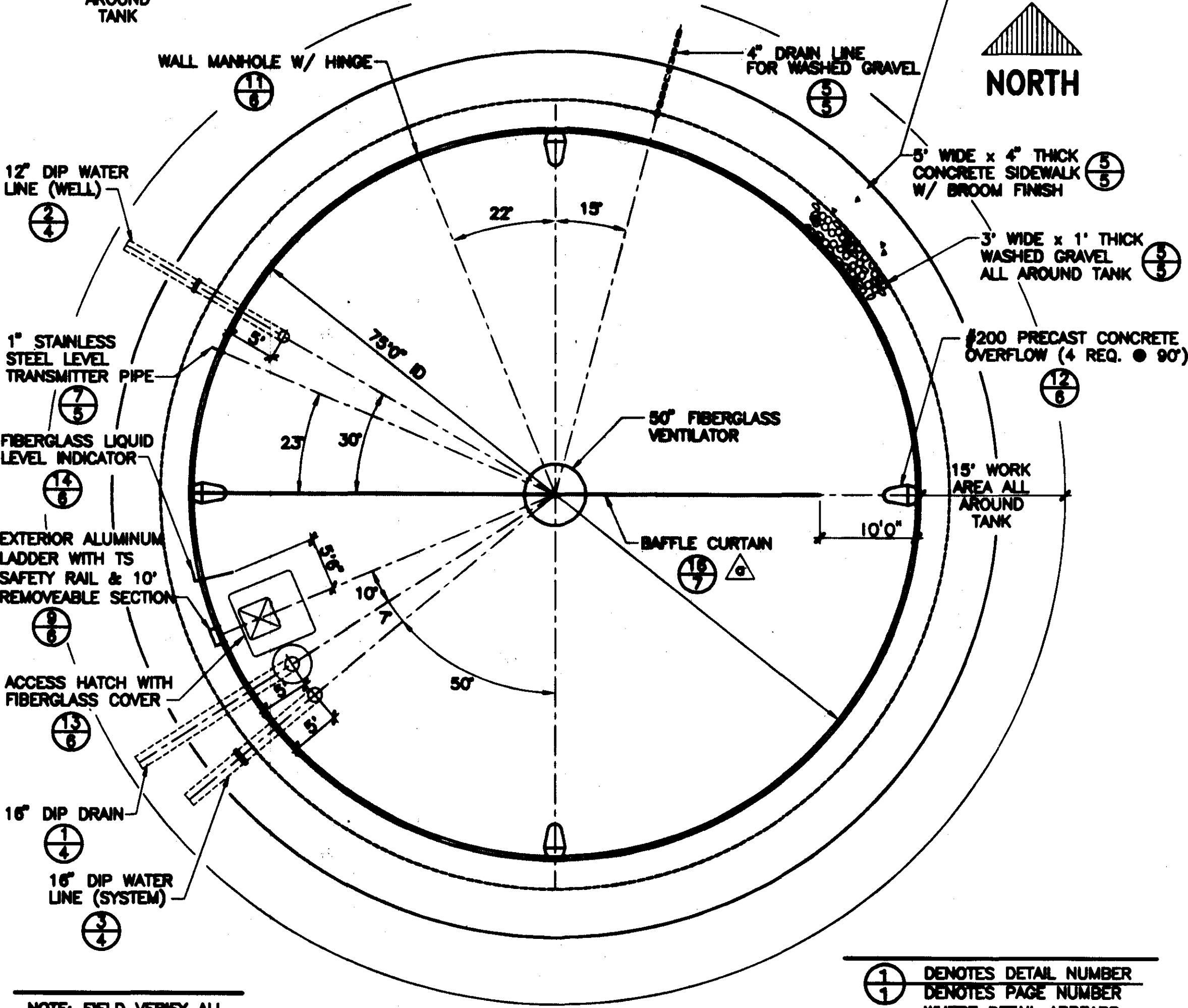
DATE: 7-18-83 FILE NUMBER: 9341a SHEET: 1 of 7

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





**SECTION-ELEVATION**

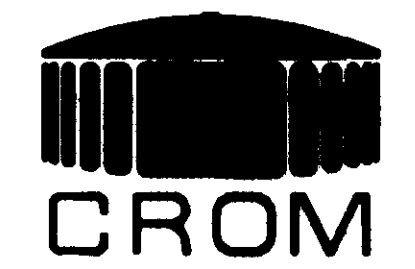


**PLAN**

**NOTES**

**Material & Services By The CROM Corporation:**

- A. Site Work:**
1. Clearing of the site, excavation, fill, compaction to an elevation 4" below top of floor slab on a 105' diameter circle.
  2. Dewatering of the 105' diameter work area if required.
  3. Furnish adequate working and open storage space for construction equipment and materials.
  4. Water and electricity for construction.
  5. Final backfill and landscaping, including preparation of the driveway and parking area, and approximately 830 lf of chain link fence with double gate.
- B. Concrete: Use Type I Cement.**
1. 4000 psi with 3/4" aggregate for floor.
  2. 4000 psi with 3/8" aggregate pump mix for dome.
  3. 3000 psi for pipe encasement and sidewalk.
- C. Shotcrete Mixes: Use Type I Cement.**  $f'g = 4000$  psi  
 $f'g = 1610$  psi
1. Corewall: Pump mix with 7 1/2 bags cement minimum
  2. Coat over prestressing wires: 1 to 3 by weight
  3. Final covercoat: 1 to 4 by weight
- D. Material Testing: Paid for by owner**
1. Concrete: (3 cylinders per set) Test one at 7 days, one at 28 days, and hold one.
    - A. 2 sets for floor.
    - B. 2 sets for dome.
  2. Shotcrete: (3 cylinders per set) Test one at 7 days, one at 28 days, and hold one.
    - A. 2 sets for outside core wall.
    - B. 1 set for inside core wall.
    - C. 1 set for cover coat.
- E. Curing:**
1. Floor and walls to be water-cured during tank construction.
  2. Dome to be water-cured until prestressing is complete.
- F. Reinforcing Steel:**
1. ASTM A-615 grade 40, lap 32 diameters.
  2. Use 2" slab bolsters with plates to support floor rebar.
- G. Prestressing Wire: Meets ASTM Spec. A-645-86a Class II**
1. Aw : 0.0208 square inch (8 gauge)
  2. Dia: 0.1620"
  3. Ultimate strength: 231,000 psi
  4. Initial stress: 145,000 psi
  5. Working stress, 115,000 psi, wall  
120,000 psi, dome ring
- H. Paint Schedule:**
1. Exterior exposed surfaces: Two coats TNEC series 156 ENVIRO-CRETE masonry paint.
  2. Interior surfaces: None.
- I. Standard Accessories: (All fasteners to be 316SS)**
1. 50' fiberglass ventilator
  2. 200 square inch precast overflow, 4 req'd with fiberglass eyelids
  3. Fiberglass access hatch with curb
  4. Interior fiberglass ladder with TS Safety rail
  5. Exterior aluminum ladder with TS Safety rail and 10' removable section
  6. 1 belt and sleeve for TS Safety rails
  7. SS Wall manhole with hinges
  8. Fiberglass liquid level indicator with precast curb
- J. Special Accessories: (All fasteners to be 316SS)**
1. Fiberglass mudell for 16" DIP Water line (system)
  2. 3' wide x 1' thick washed gravel all around the tank
  3. 5' wide x 4" thick sidewalk all around the tank
  4. Piping: 16" DIP Drain  
16" DIP Water line (system)  
12" DIP Water line (well)  
12" DIP Water line (well)
  5. 1" stainless steel level transmitter pipe
  6. 4" PVC drain line for washed gravel
  7. Baffle curtain 1 req.
- K. Testing and Disinfection:**
1. Place water combined with 42g of HTH (or equivalent) in reservoir to a depth of one foot to give 200 ppm available chlorine. Spray all interior surfaces allowing 30 minutes minimum contact.



DATE: 07-16-93

DRAWN: PJK

CHECKED: JL

APPROVED: [Signature]

DESIGNED: [Signature]

TANK DESCRIPTION:  
**1.0-MG WATER STORAGE TANK**

TANK DIMENSIONS:  
**75'0" ID x 30'3" SWD**

TANK BUILDER:  
**THE CROM CORPORATION GAINESVILLE, FLORIDA**

OWNER:  
**CITY OF RIDGELAND  
MADISON COUNTY,  
MISSISSIPPI**

CONSULTING ENGINEER:  
**WAGGONER ENGINEERING, INC.  
NEEL-SCHAFFER, INC.  
ENGINEERS • PLANNERS  
JACKSON, MISSISSIPPI**

REV.	DESCRIPTION	DATE
1	DELETED OVERFLOW PIPES, 1 MANHOLE, EXTENDED UNDERFLOOR PIPE, ADDED EYELIDS, REVISED PAINT, ADDED BAFFLE CURTAIN.	8/2/93

WHERE STANDARD SPECIFICATIONS ARE IN CONFLICT WITH CROM CORPORATION SPECIFICATIONS OR WITH GOOD PRACTICES OR SHOTCRETE PRACTICES THE STANDARD SPECIFICATIONS SHALL BE SUBORDINATED. THIS DESIGN AND DRAWING ORIGINATED BY AND THE EXCLUSIVE PROPERTY OF THE CROM CORPORATION.

BAR IS ONE INCH ON ORIGINAL DRAWINGS

SCALE: 1"=10'0"

FILE NO. **9341a**

SHEET **2** OF **7**

NOTE: FIELD VERIFY ALL ACCESSORY & PIPE LOCATIONS WITH ENGINEER PRIOR TO PLACEMENT.

1/1 DENOTES DETAIL NUMBER  
DENOTES PAGE NUMBER  
WHERE DETAIL APPEARS

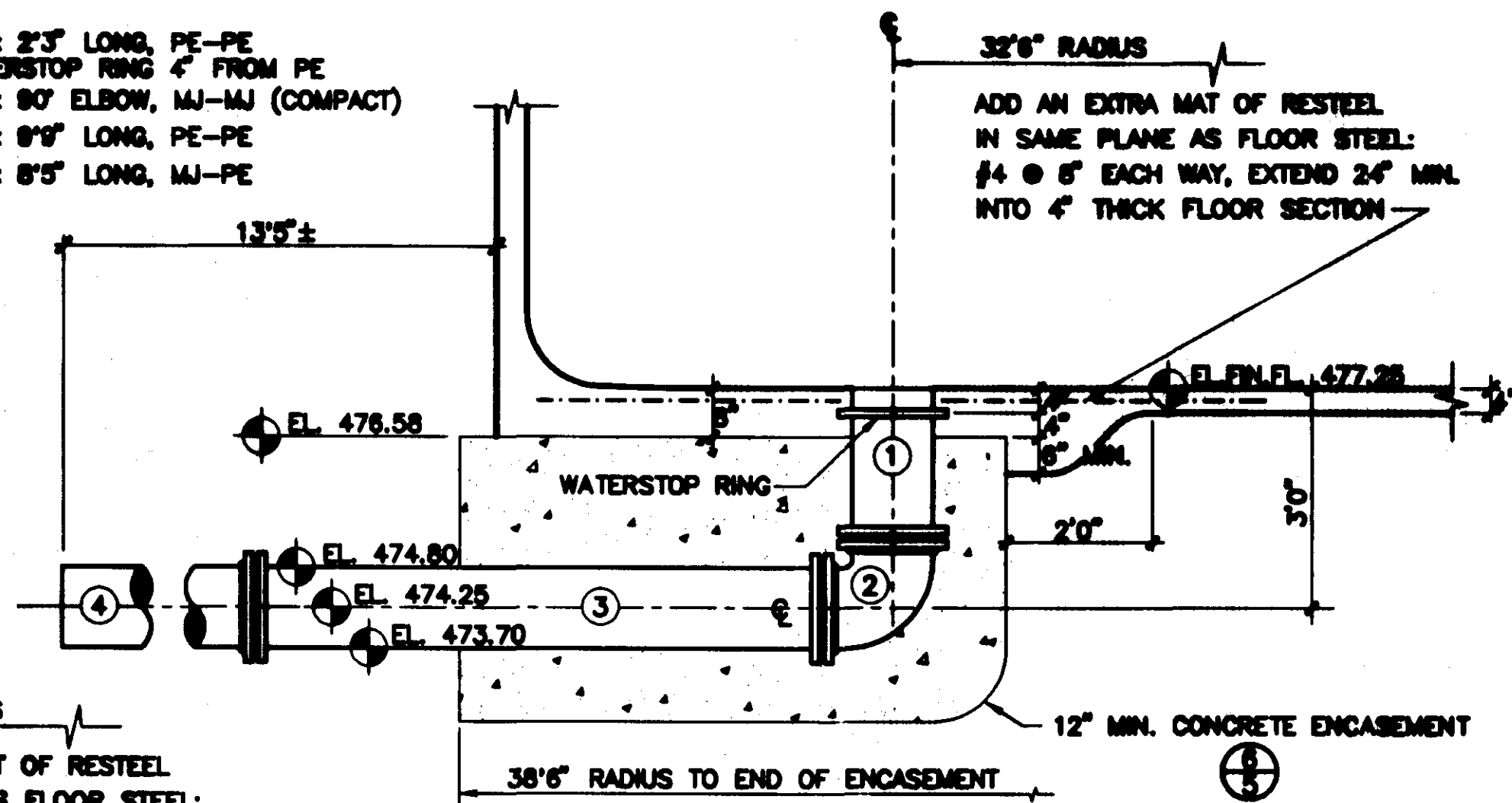
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DENOTES PAGE NUMBER  
WHERE SECTION APPEARS





**PIPE SCHEDULE FOR 12" DIP WATER LINE (WELL)**

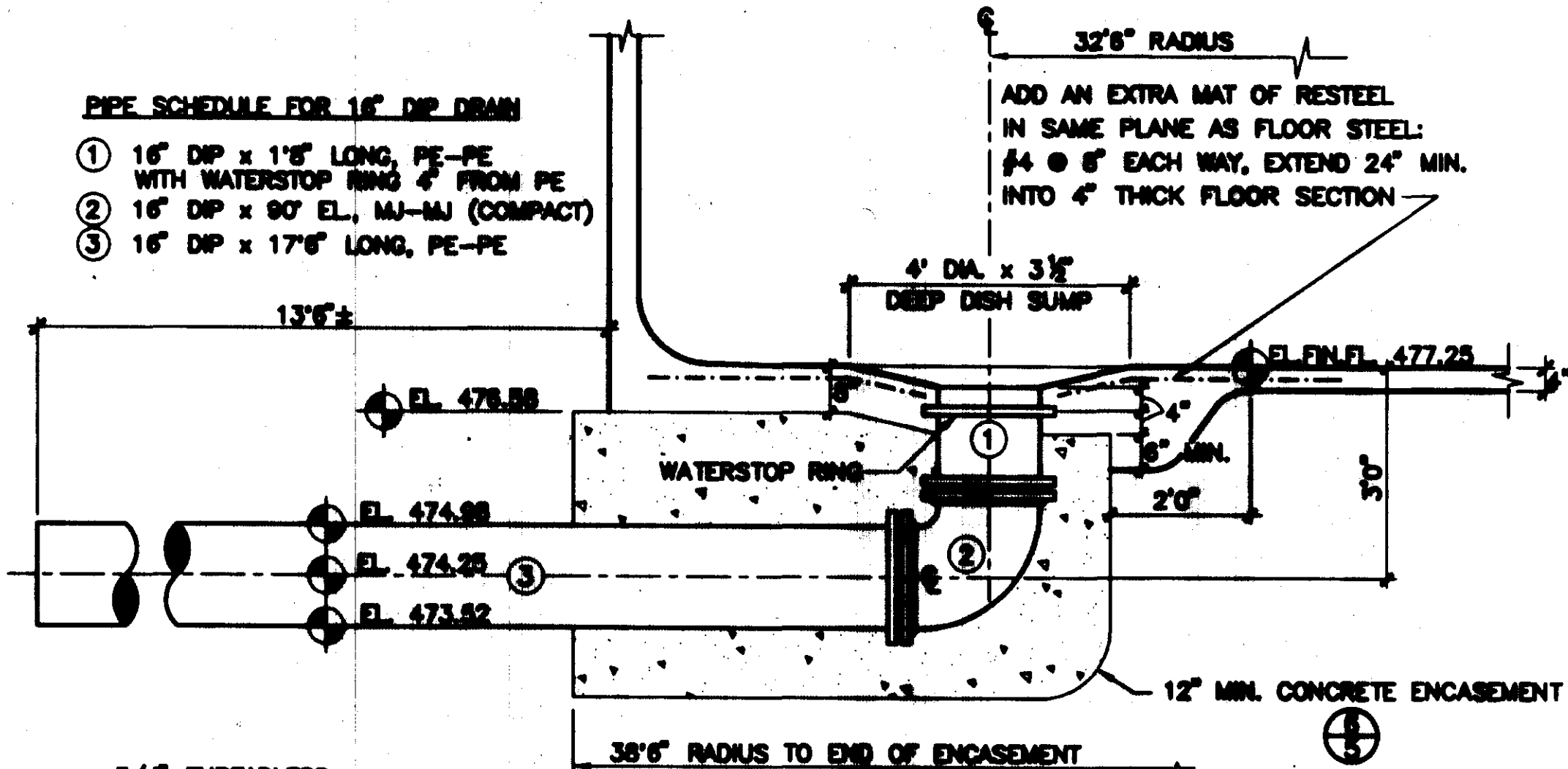
- ① 12" DIP x 2'3" LONG, PE-PE WITH WATERSTOP RING 4" FROM PE
- ② 12" DIP x 90° ELBOW, MJ-MJ (COMPACT)
- ③ 12" DIP x 9'8" LONG, PE-PE
- ④ 12" DIP x 8'5" LONG, MJ-PE



② 12" DIP WATER LINE (WELL)

**PIPE SCHEDULE FOR 16" DIP DRAIN**

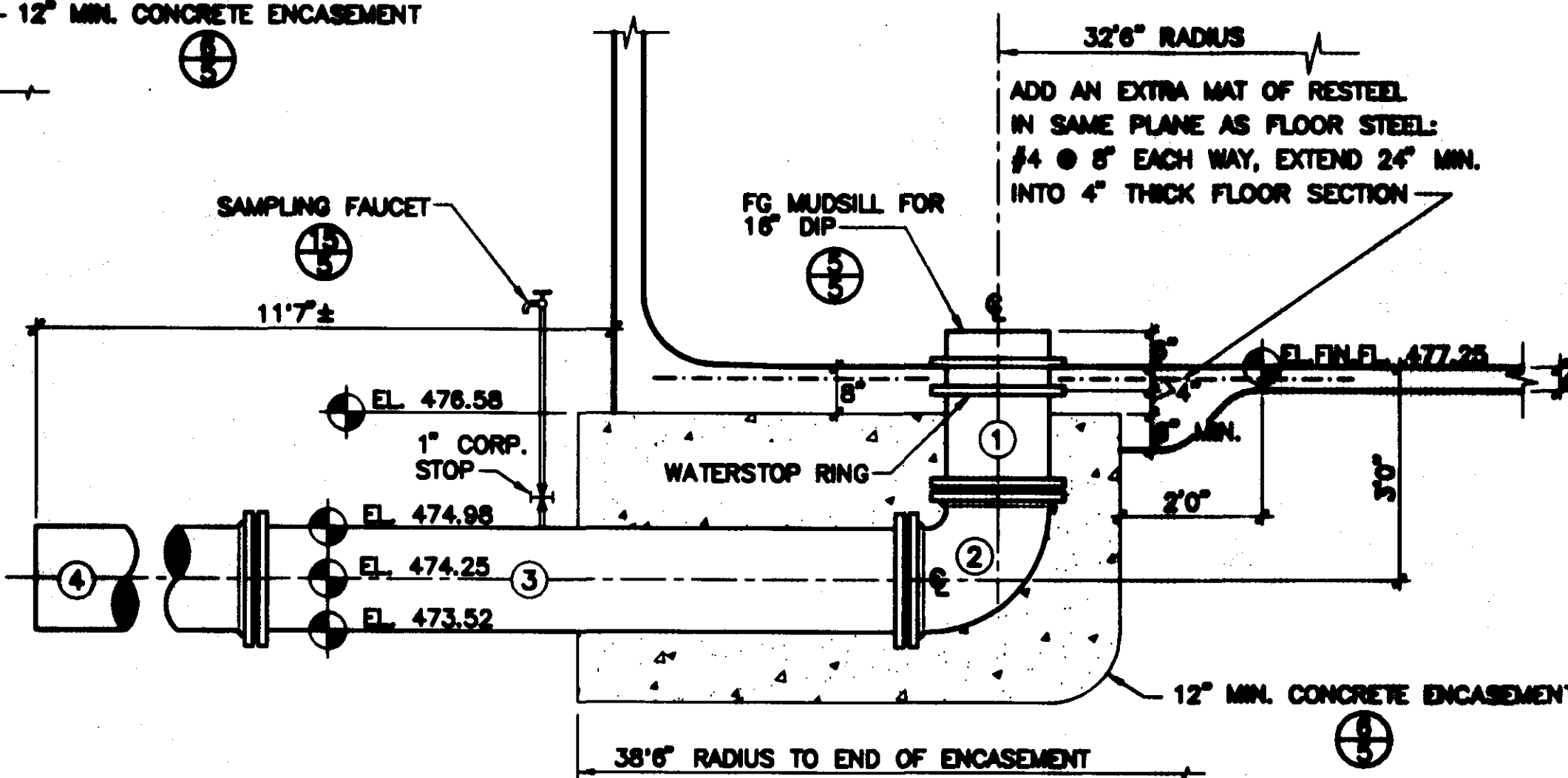
- ① 16" DIP x 1'8" LONG, PE-PE WITH WATERSTOP RING 4" FROM PE
- ② 16" DIP x 90° EL., MJ-MJ (COMPACT)
- ③ 16" DIP x 17'6" LONG, PE-PE



① 16" DIP DRAIN

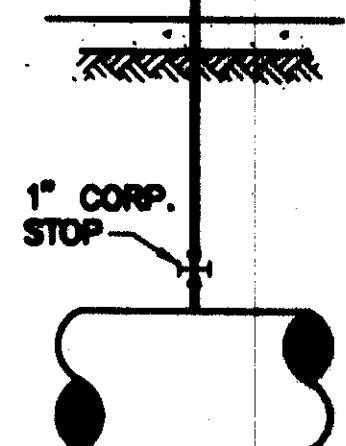
**PIPE SCHEDULE FOR 16" DIP WATER LINE (SYSTEM)**

- ① 16" DIP x 1'11 1/2" LONG, PE-PE WITH WATERSTOP RING 4" FROM PE
- ② 16" DIP x 90° EL., MJ-MJ (COMPACT)
- ③ 16" DIP x 9'5 1/2" LONG, PE-PE
- ④ 16" DIP x 6'7" LONG, MJ-PE



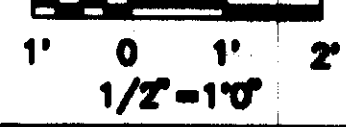
③ 16" DIP WATER LINE (SYSTEM)

3/4" THREADLESS FAUCET



- 3/4" BRASS BOILER TYPE VALVE MALE x THREADLESS WITH 90° TURN-DOWN
- 3/4" GALVANIZED COUPLING THD x THD FEMALE
- 3/4" x 5' GALVANIZED PIPE THD x THD MALE
- 1" x 3/4" GALVANIZED REDUCER THD x THD FEMALE

⑮ SAMPLING FAUCET



DATE: 07-16-83  
 DRAWN: PJK  
 CHECKED: [Signature]  
 APPROVED: [Signature]  
 DESIGNED: [Signature]

TANK DESCRIPTION:  
 1.0-MG WATER STORAGE TANK

TANK DIMENSIONS:  
 75'0" ID x 30'3" SWD

TANK BUILDER:  
 THE CROM CORPORATION  
 GAINESVILLE, FLORIDA

OWNER:  
 CITY OF RIDGELAND  
 MADISON COUNTY,  
 MISSISSIPPI

CONSULTING ENGINEER:  
 WAGGONER ENGINEERING,  
 INC.  
 NEEL-SCHAFFER, INC.  
 ENGINEERS • PLANNERS  
 JACKSON, MISSISSIPPI

REV.	DESCRIPTION	BY
1	DELETED OVERFLOW PIPE & SLEEVES, 12" DRAIN. ADDED 16" DRAIN AND SAMPLING FAUCET. EXTENDED UNDERFLOOR PIPING.	PJK

DELETED OVERFLOW PIPE & SLEEVES, 12" DRAIN. ADDED 16" DRAIN AND SAMPLING FAUCET. EXTENDED UNDERFLOOR PIPING.

WHERE STANDARD SPECIFICATIONS ARE IN CONFLICT WITH CROM CORPORATION SPECIFICATIONS OR WITH GOOD PRACTICES OR SHORTEST PRACTICES THE STANDARD SPECIFICATIONS SHALL BE SUBORDINATED.  
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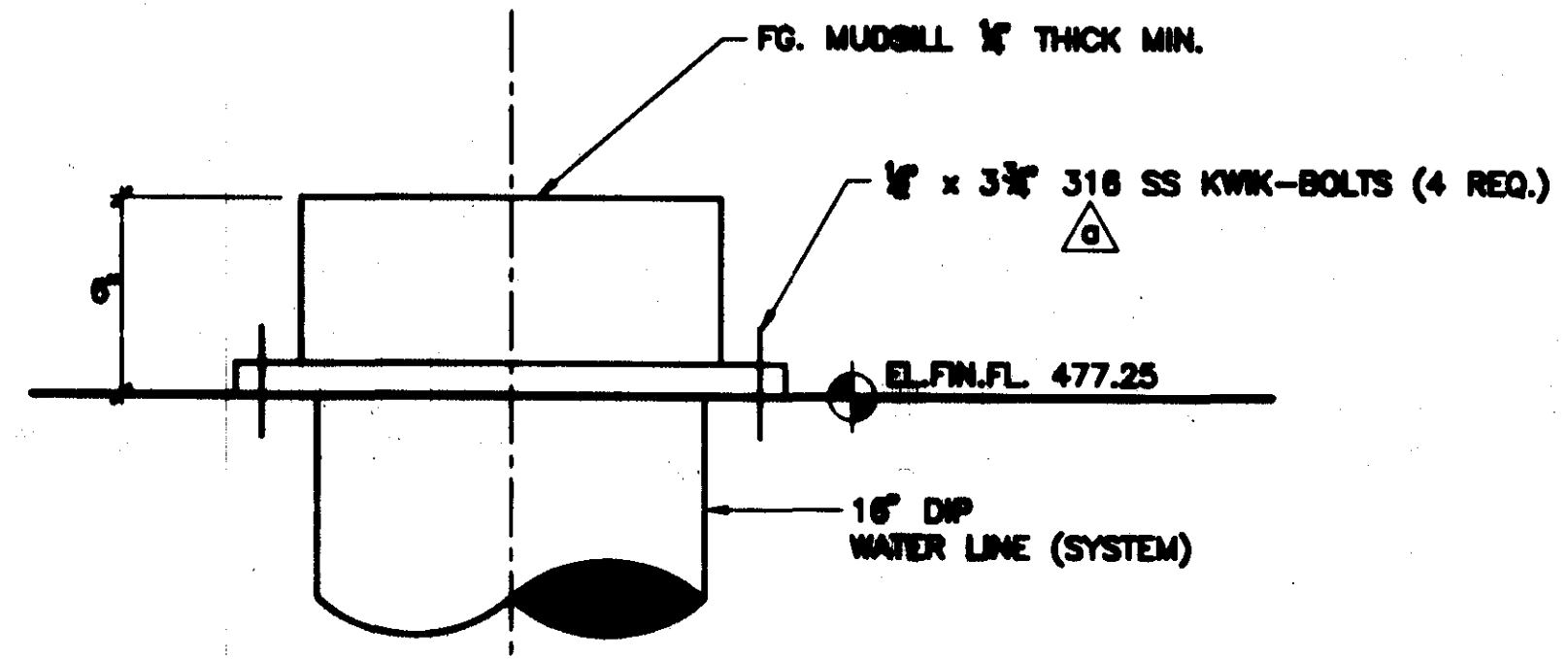
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SCALE:  
 AS NOTED

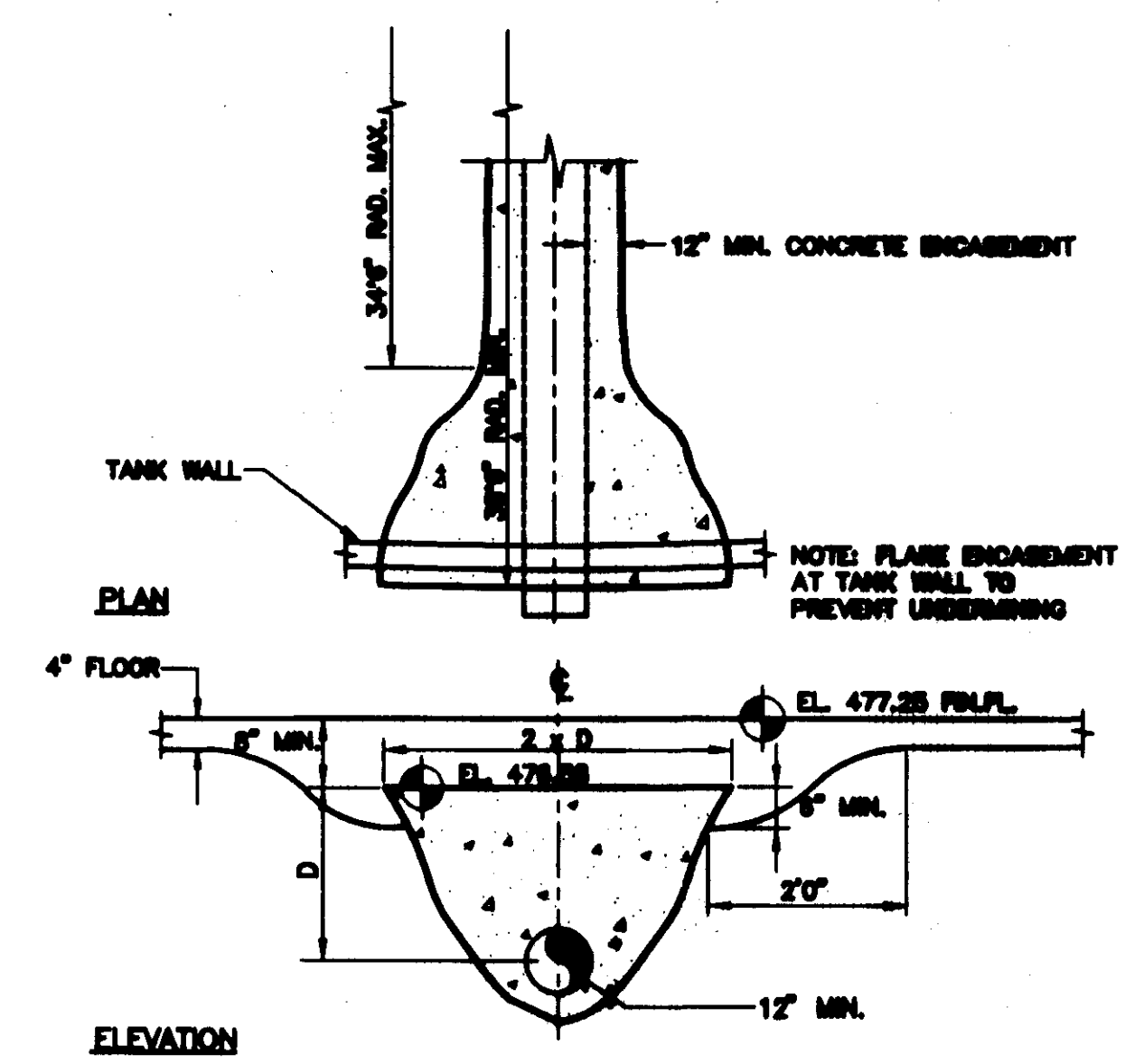
FILE NO. 9341a

SHEET 4 of 7

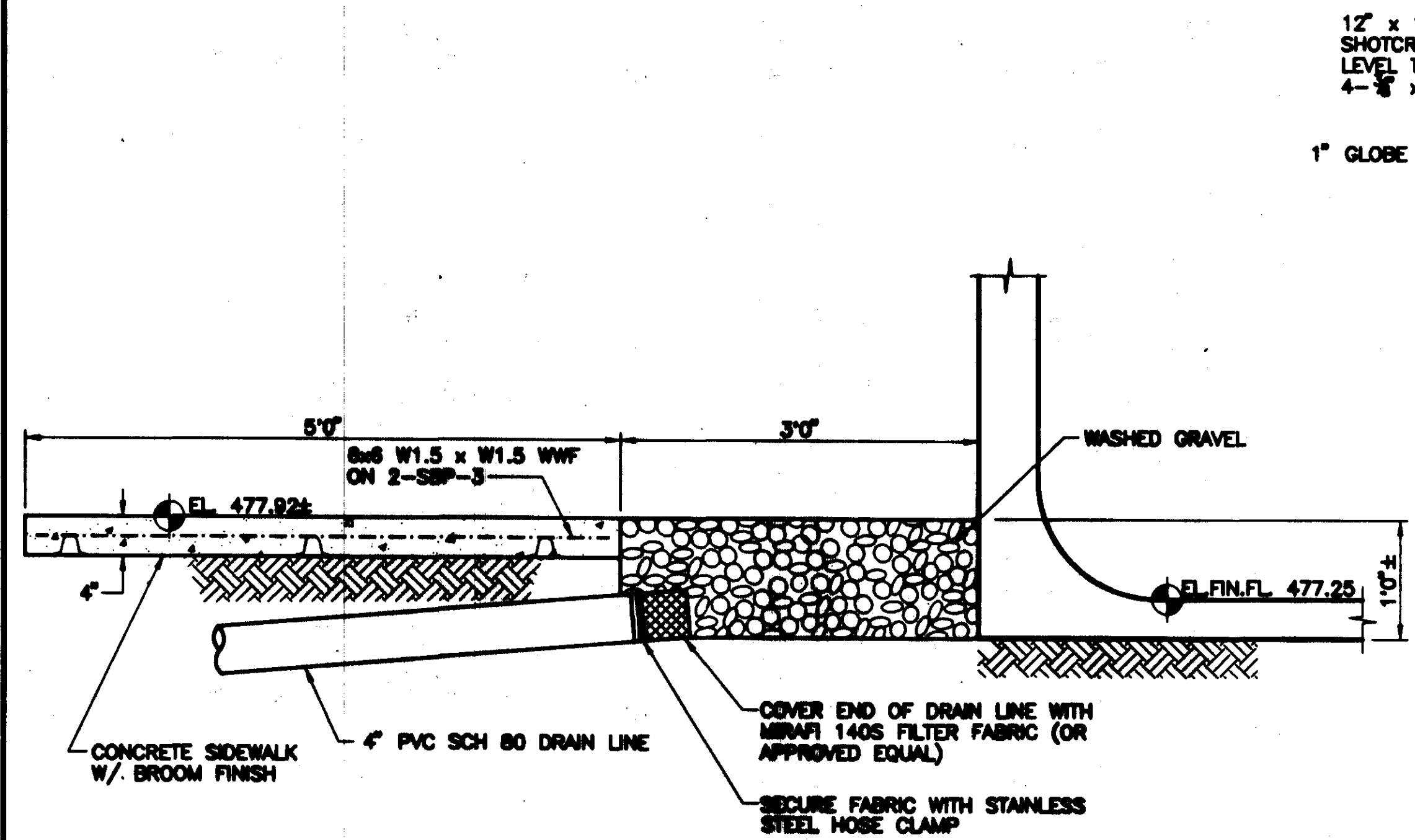




**4** FG MUDSILL DETAIL  
NTS

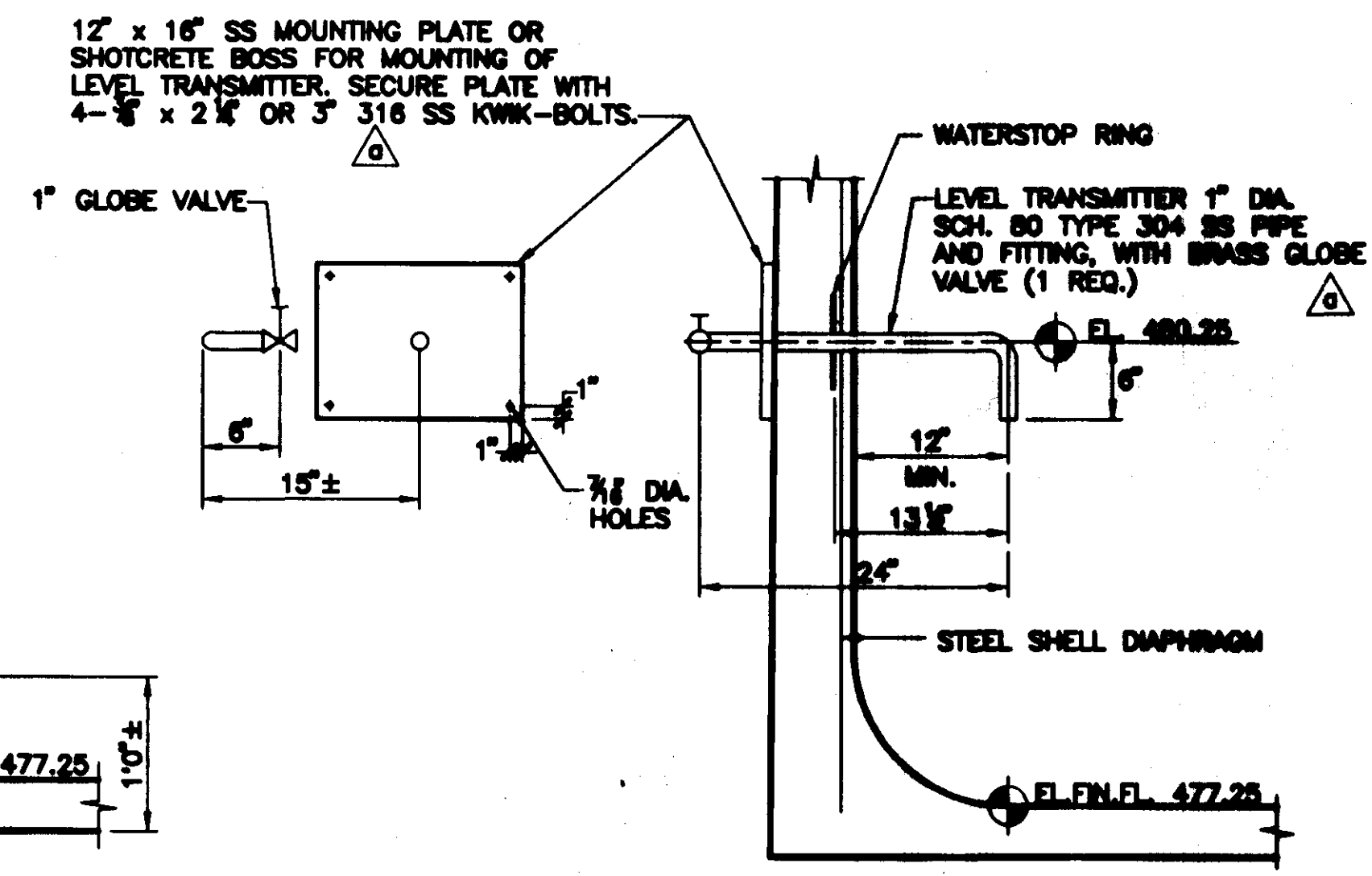


**6** TYPICAL PIPE ENCASEMENT  
NTS



**5** 4\"/>

SCALE 1"=1'0"



**7** 1\"/>

SCALE 1"=1'0"

DATE: 07-18-83  
 DRAWN: P37K  
 CHECKED: [Signature]  
 APPROVED: [Signature]  
 DESIGNED: [Signature]  
 TANK DESCRIPTION:  
 1.0-MG WATER STORAGE TANK  
 TANK DIMENSIONS:  
 75'0" ID x 30'3" SWD  
 TANK BUILDER:  
 THE CROM CORPORATION  
 GAINESVILLE, FLORIDA  
 OWNER:  
 CITY OF RIDGELAND  
 MADISON COUNTY,  
 MISSISSIPPI  
 CONSULTING ENGINEER:  
 WAGGONER ENGINEERING,  
 INC.  
 NEEL-SCHAFFER, INC.  
 ENGINEERS • PLANNERS  
 JACKSON, MISSISSIPPI

REV.	DESCRIPTION	BY
0	DELETED PIPE BRACKETS.	

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BAR IS ONE INCH ON GENERAL DRAWINGS UNLESS OTHERWISE NOTED

SCALE:  
 AS NOTED

FILE NO. **9341a**  
 SHEET **5 of 7**

E:\A\N\RIDGELAND Mon Aug 16 15:04:07 1993



DATE: 07-18-83  
 DRAWN: PJJ  
 CHECKED: [Signature]  
 APPROVED: [Signature]  
 DESIGNED: [Signature]  
 TANK DESCRIPTION:  
**1.0-MG WATER STORAGE TANK**  
 TANK DIMENSIONS:  
**75'0" ID x 30'3" SWD**  
 TANK BUILDER:  
**THE CROM CORPORATION**  
 GAINESVILLE, FLORIDA  
 OWNER:  
**CITY OF RIDGELAND**  
 MADISON COUNTY,  
 MISSISSIPPI

CONSULTING ENGINEER:  
**WAGGONER ENGINEERING, INC.**  
**NEEL-SCHAFFER, INC.**  
 ENGINEERS & PLANNERS  
 JACKSON, MISSISSIPPI

REV.	DESCRIPTION
1	ADDED FIBERGLASS EYELIDS. SS MESH WAS FIBERGLASS.

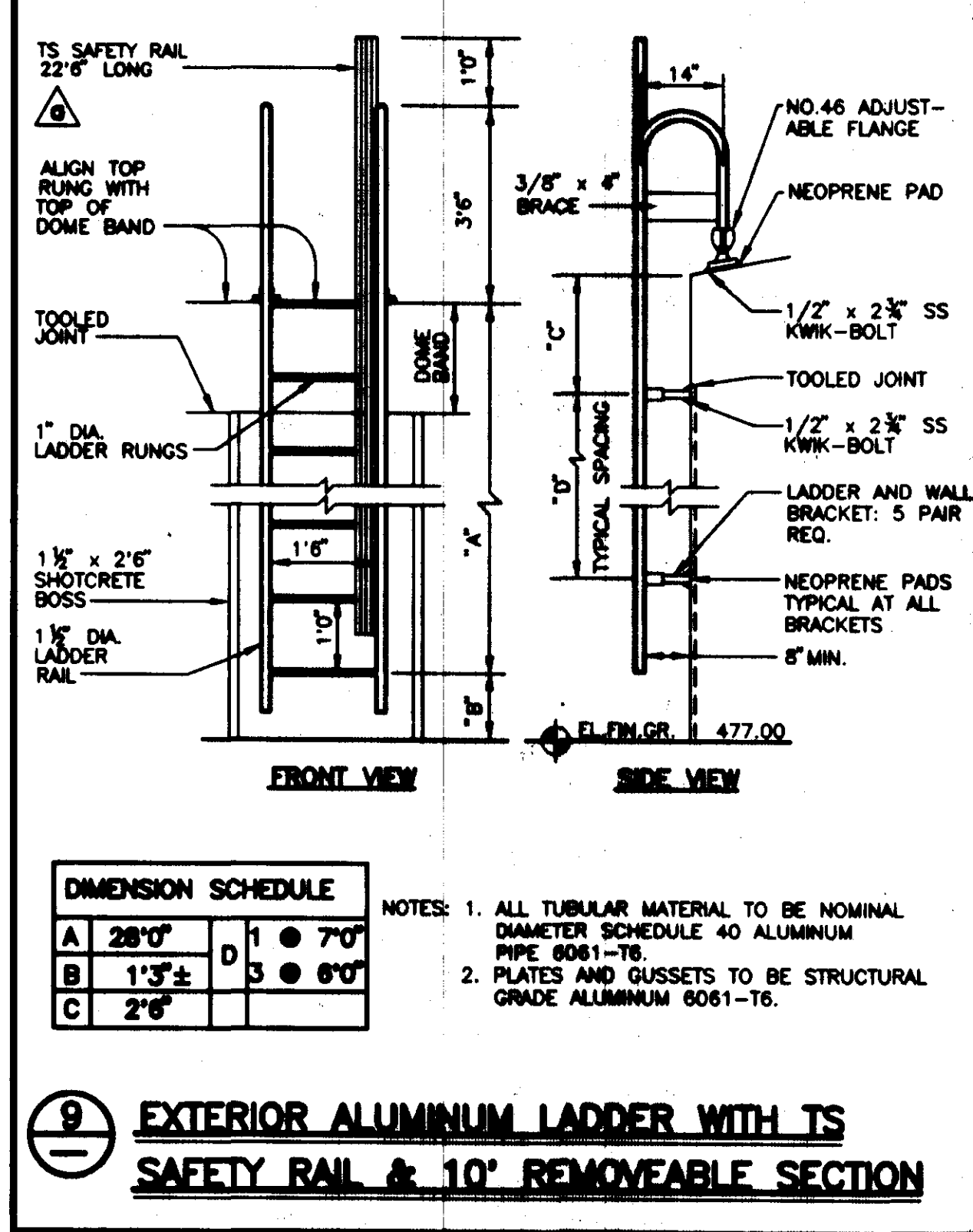
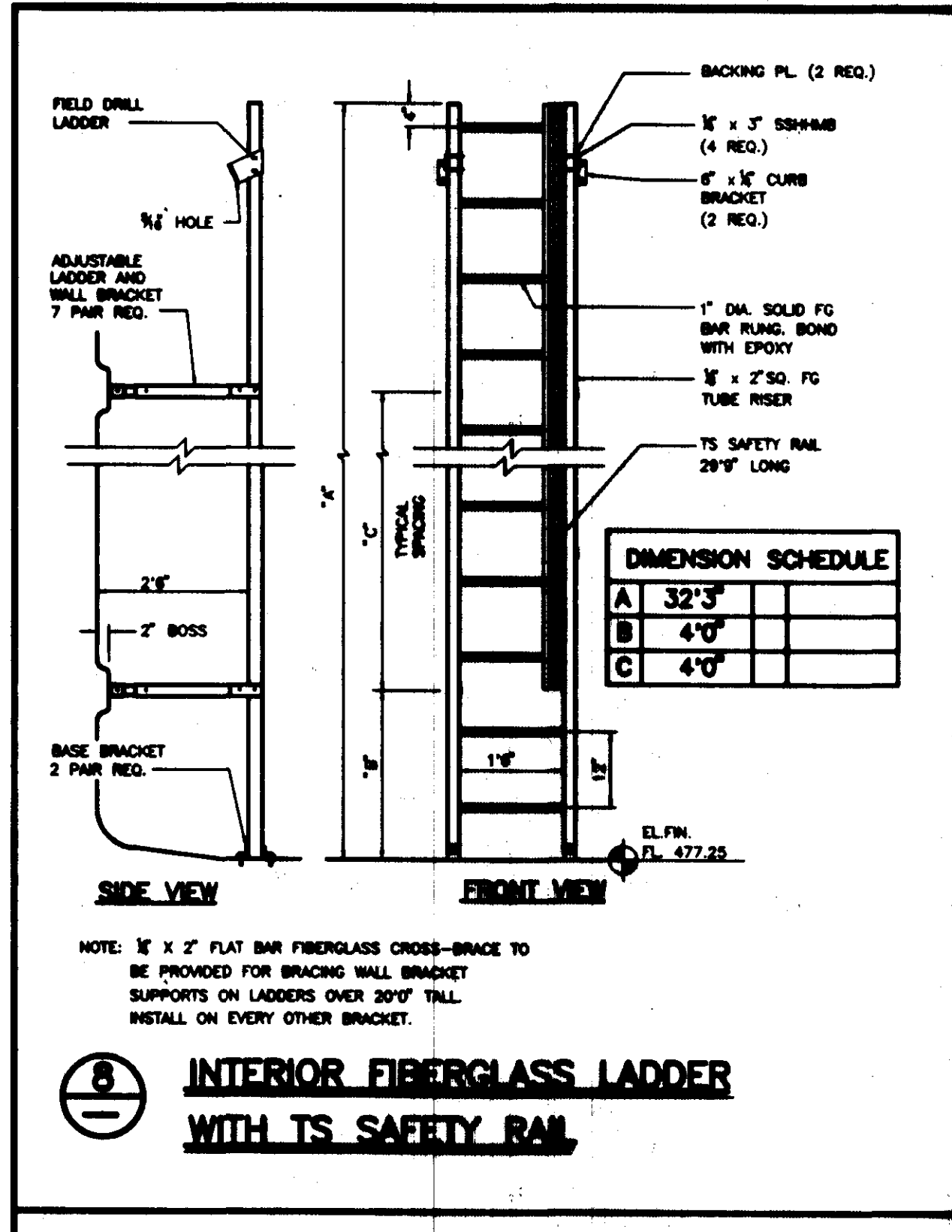
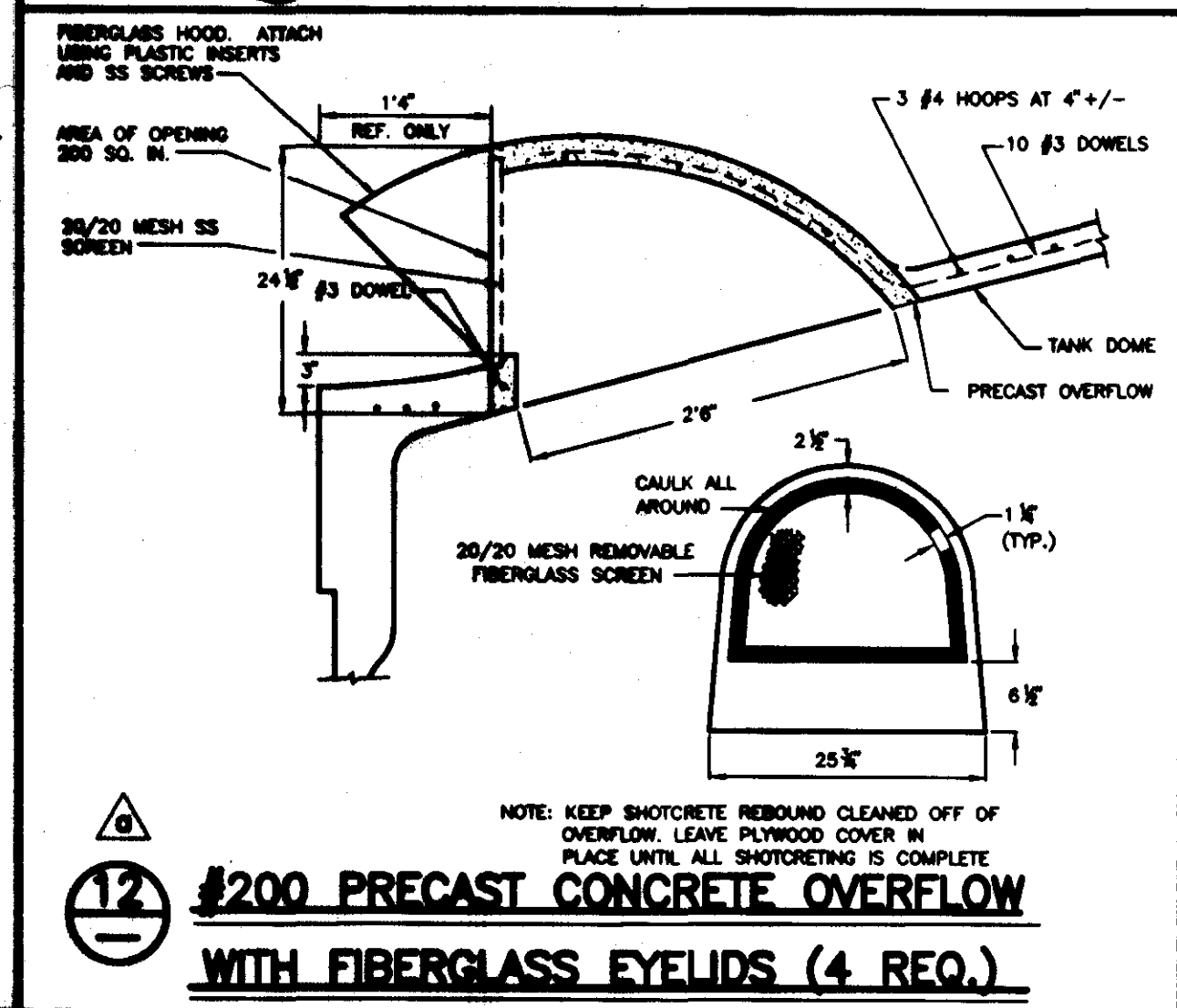
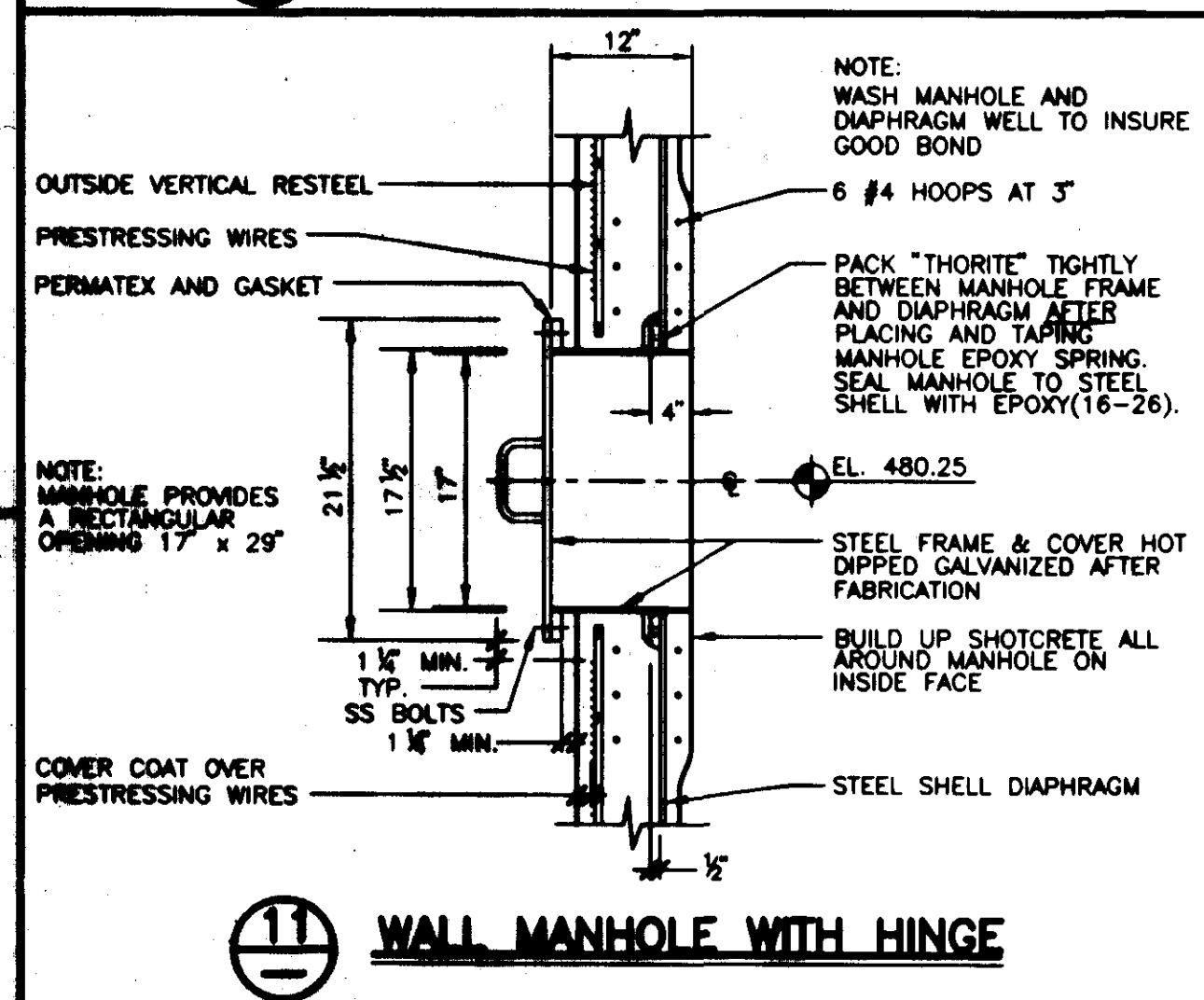
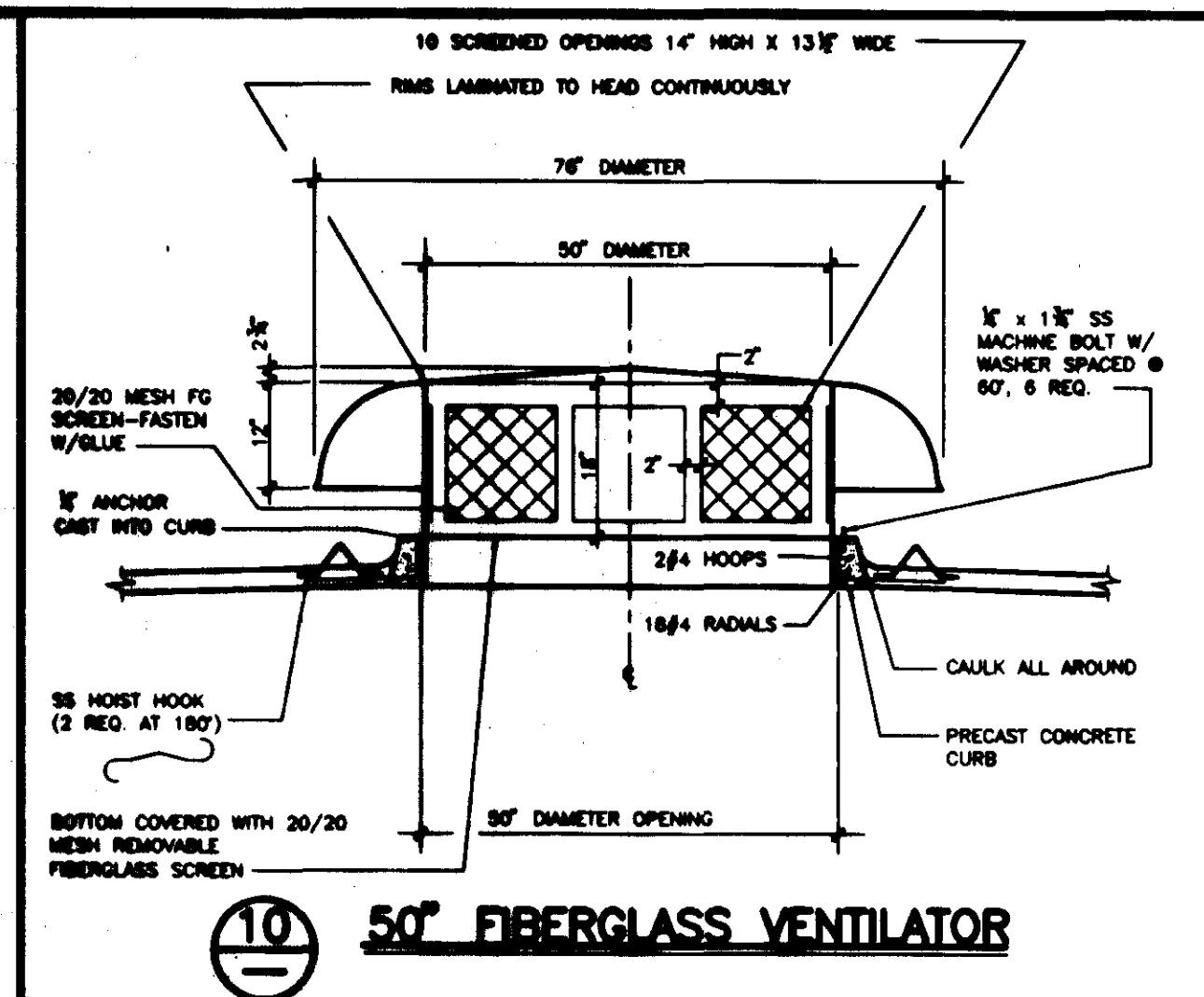
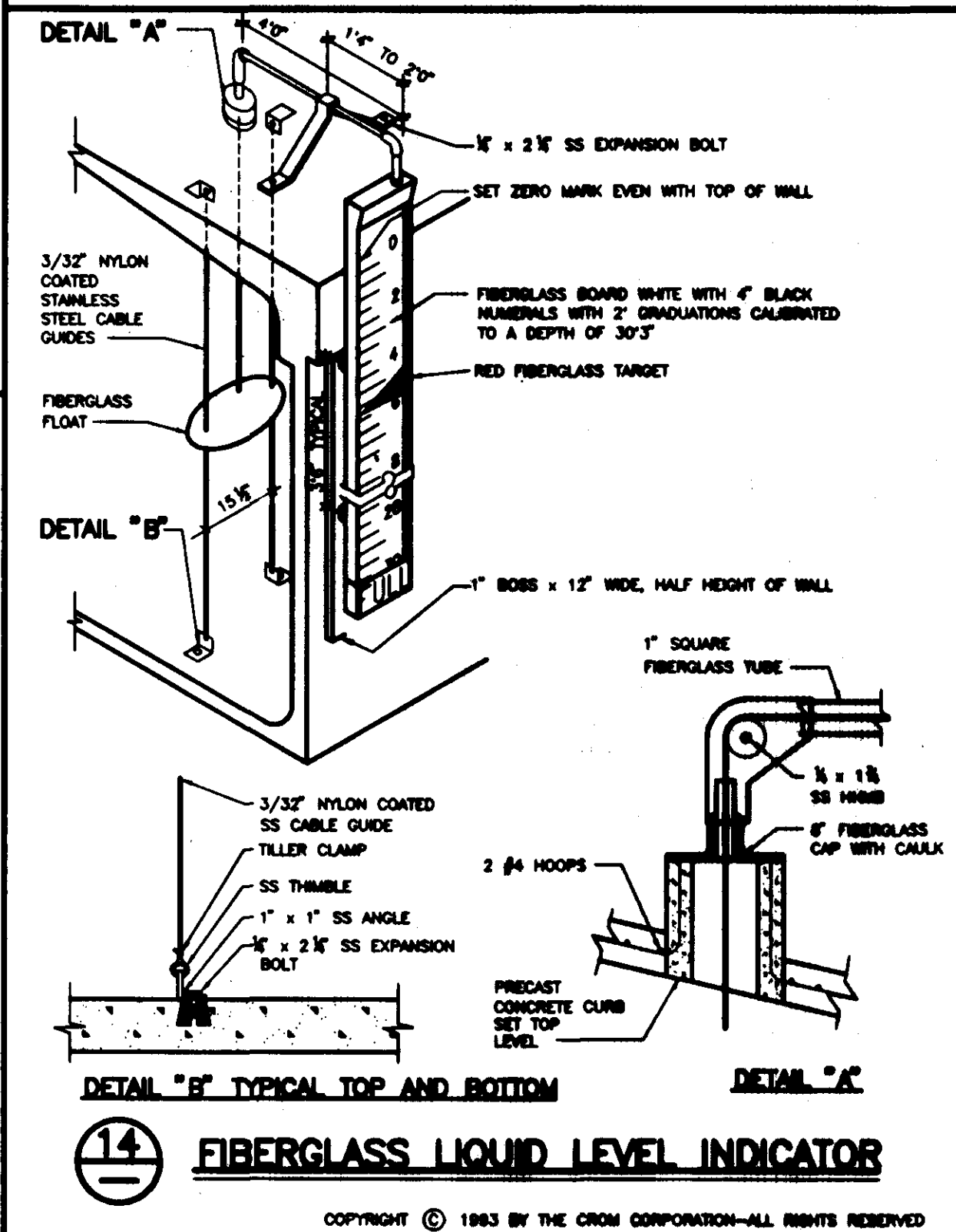
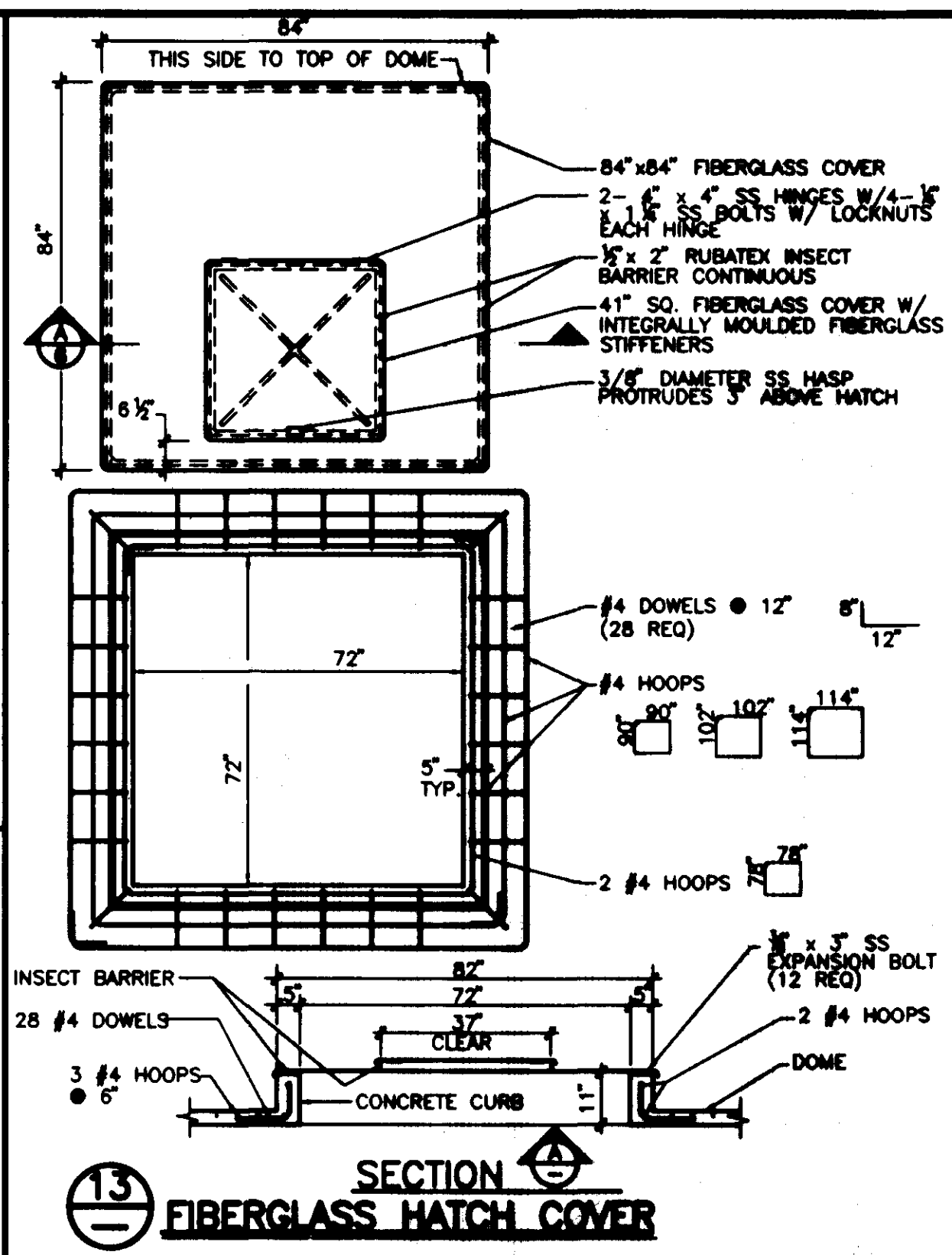
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BAR IS ONE INCH ON ORIGINAL DRAWINGS 0

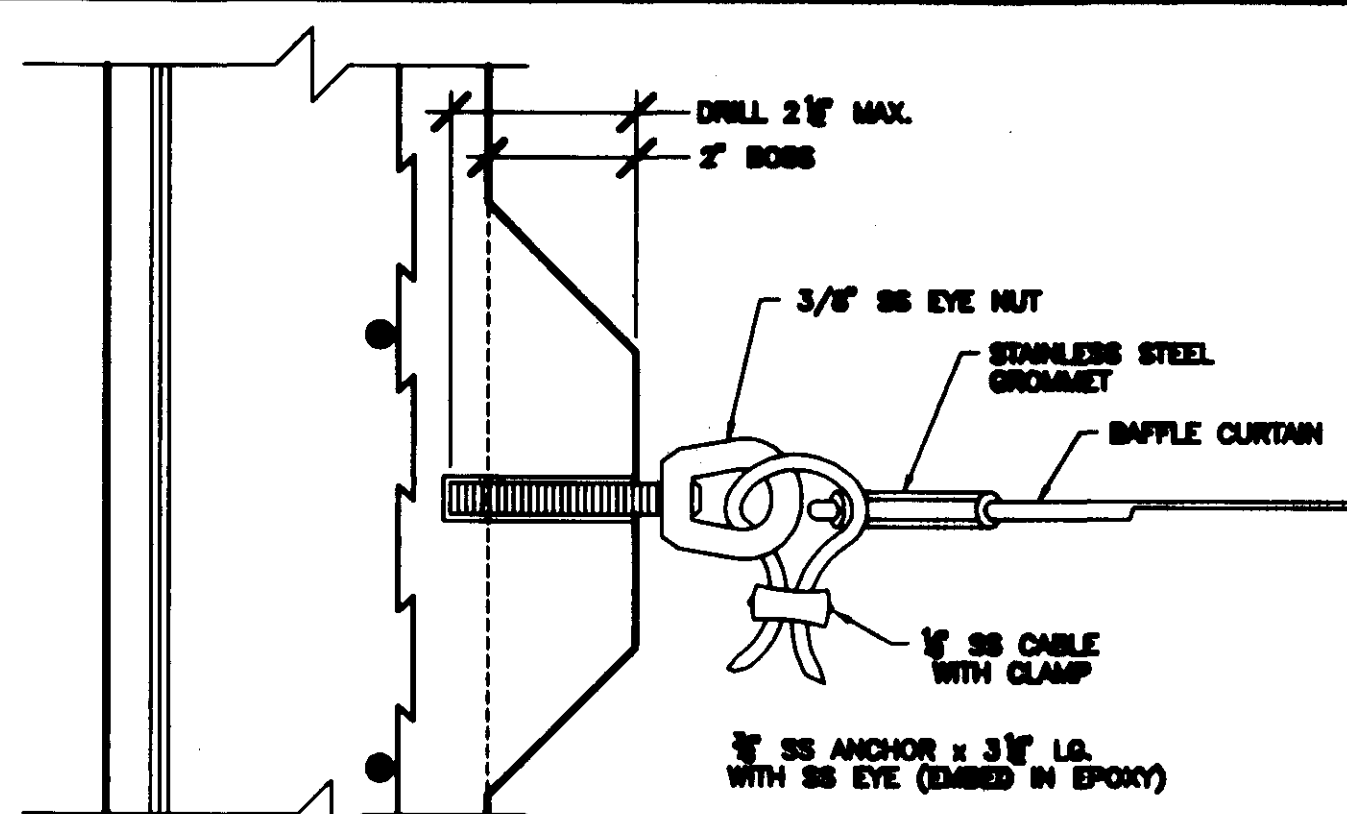
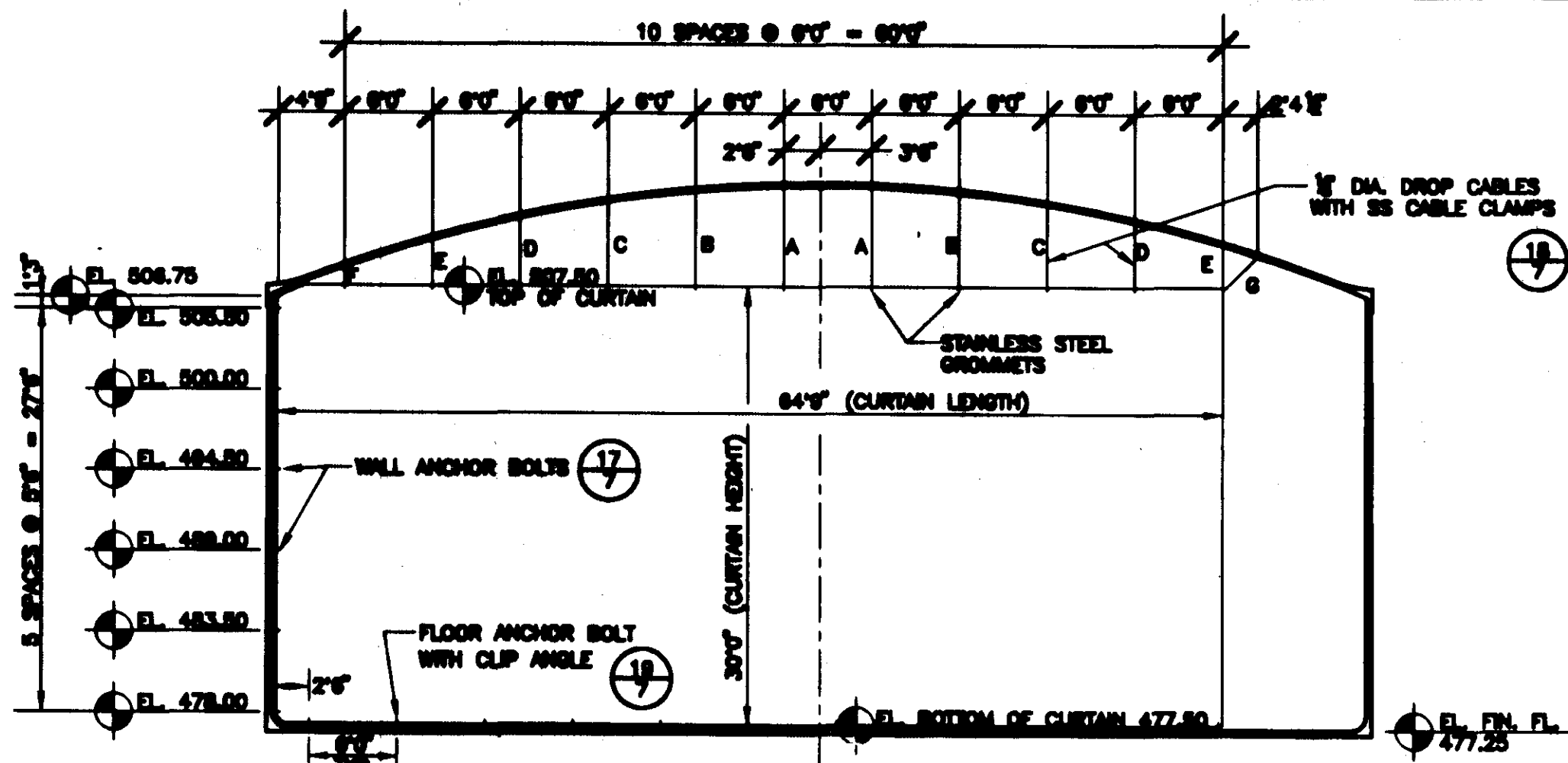
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FILE NO. 9341a

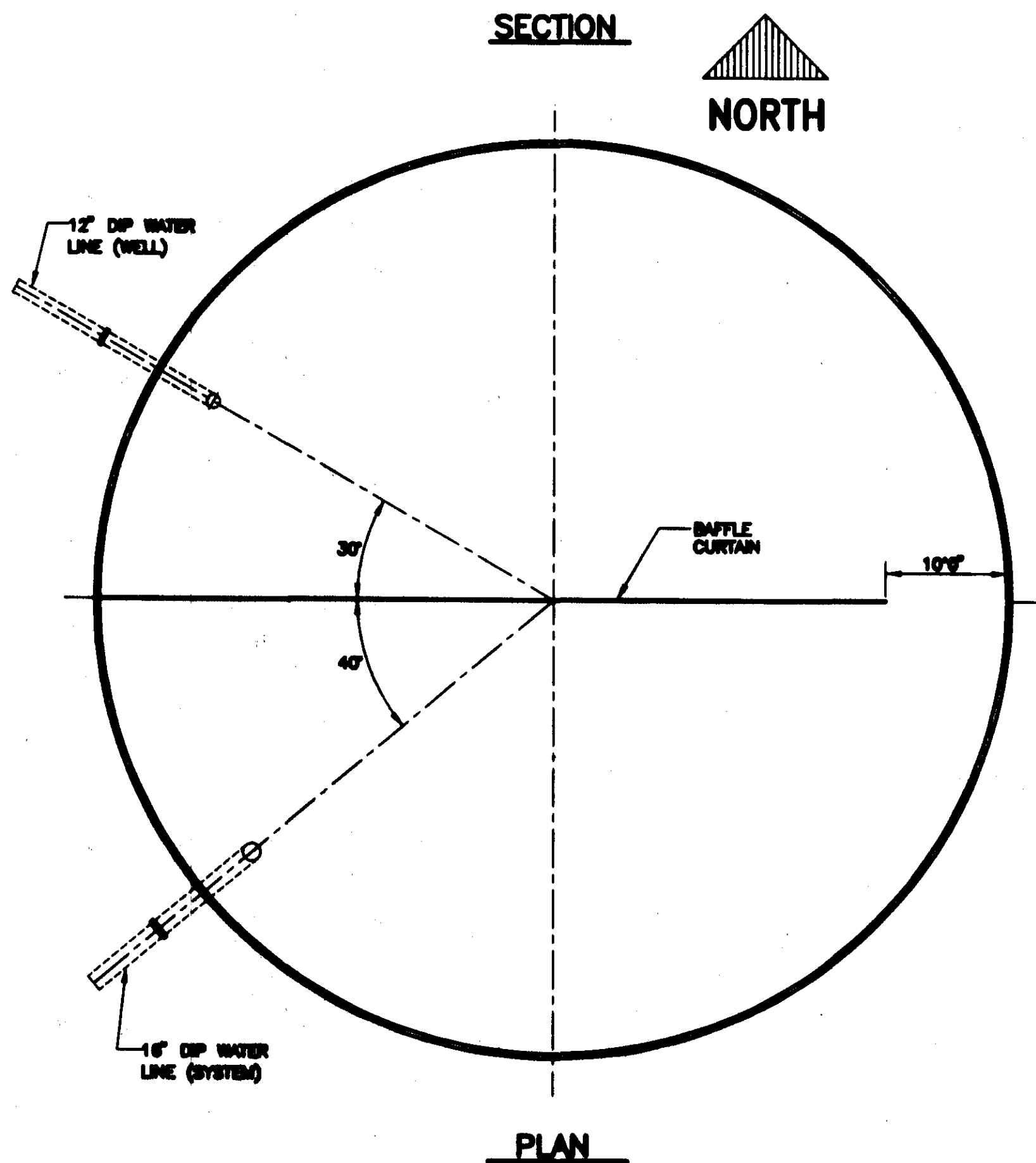
SHEET 6 of 7



E:\AL\RIDGELAND Mon Aug 16 15:37:16 1993



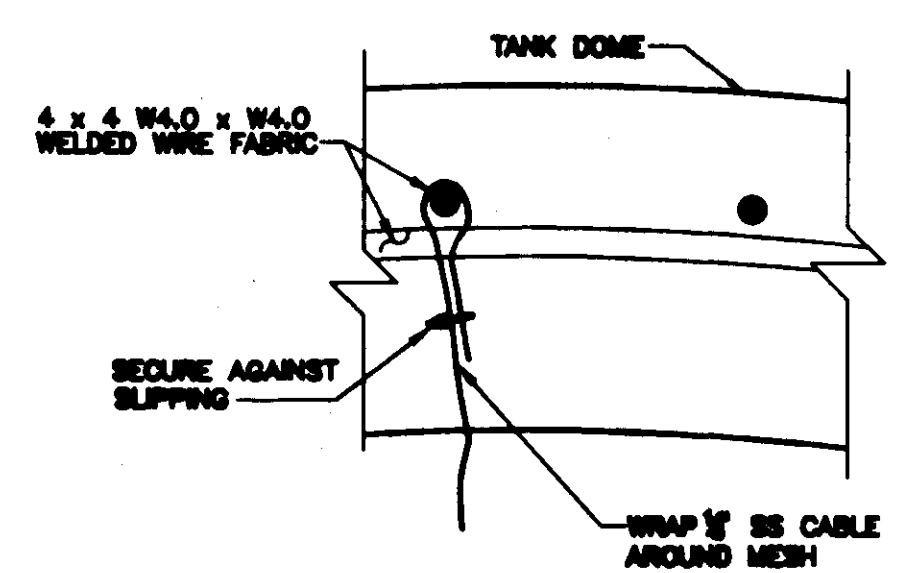
**17** WALL ANCHOR BOLT WITH SS EYE (7 REQ.)  
NTS



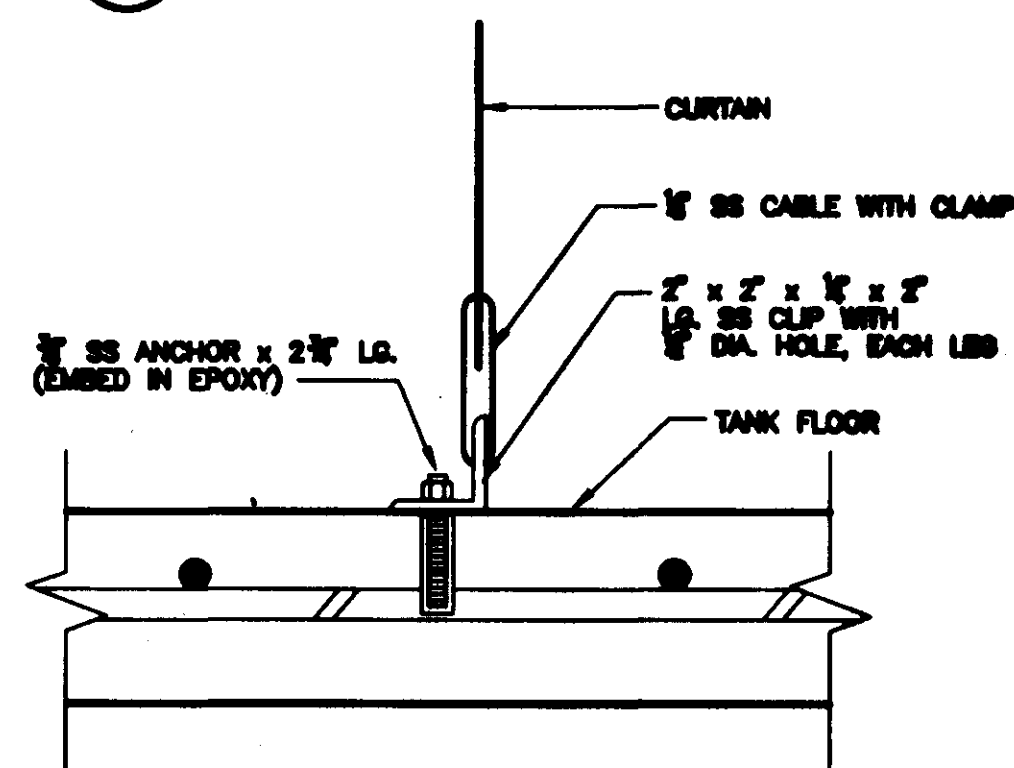
**16** BAFFLE CURTAIN  
1" = 10'0"

CABLE LENGTH

CURTAIN CABLE	LENGTH	NO. REQ. PER CURTAIN
A	8'1"	2
B	8'0"	2
C	7'0"	2
D	6'0"	2
E	5'0"	1



**18** CABLE ANCHOR DETAIL  
NTS



**19** FLOOR ANCHOR BOLT WITH SS NUT & WASHER (12 REQ.)  
NTS

NOTES

- CURTAIN MATERIAL SHALL BE A POLYESTER FABRIC-BASED MEMBRANE WITH A PVC COATING. THE PVC COATING SHALL BE FDA APPROVED FOR CONTACT WITH POTABLE WATER. BASE FABRIC TO HAVE A MINIMUM WEIGHT OF 6.5 OZ PER SQUARE YARD. FINISHED FABRIC TO HAVE A MINIMUM TONGUE TEAR STRENGTH (METHOD 8134) OF 220/220 LBS. MATERIAL TO BE S128 FDA VINYL AS MANUFACTURED BY SEMAN CORPORATION OR AN APPROVED EQUAL.
- CURTAIN SHALL HAVE A 3/8" DIAMETER STAINLESS STEEL CABLE IN THE TOP, BOTTOM, AND SIDE FOR SUPPORT AND BALLAST. THE TOP EDGE, SIDE EDGES, AND BOTTOM EDGE SHALL HAVE STAINLESS STEEL GROMMETS AND REINFORCED LIFT POINTS ADEQUATE TO PERMANENTLY SUSPEND THE CURTAIN SPACED 6" O.C. MAXIMUM AND AT EACH END.

DATE: 07-18-93  
 DRAWN: P37X  
 CHECKED: [Signature]  
 APPROVED: [Signature]  
 DESIGNED: [Signature]

TANK DESCRIPTION:  
 1.0-MG WATER STORAGE TANK

TANK DIMENSIONS:  
 75'0" ID x 30'3" SWD

TANK BUILDER:  
 THE CROM CORPORATION  
 GAINESVILLE, FLORIDA

OWNER:  
 CITY OF RIDGELAND  
 MADISON COUNTY,  
 MISSISSIPPI

CONSULTING ENGINEER:  
 WAGGONER ENGINEERING, INC.  
 NEEL-SCHAFFER, INC.  
 ENGINEERS & PLANNERS  
 JACKSON, MISSISSIPPI

REV. DESCRIPTION

ADD BAFFLE CURTAIN

WHERE STANDARD SPECIFICATIONS ARE IN CONFLICT WITH CROM CORPORATION SPECIFICATIONS OR WITH GOOD PRE-STRESSING OR SHORCRETE PRACTICES THE STANDARD SPECIFICATIONS SHALL BE SUBORDINATED.  
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BAR IS ONE INCH ON ORIGINAL DRAWINGS

SCALE:  
 AS NOTED

FILE NO. 9341a

SHEET 7 of 7