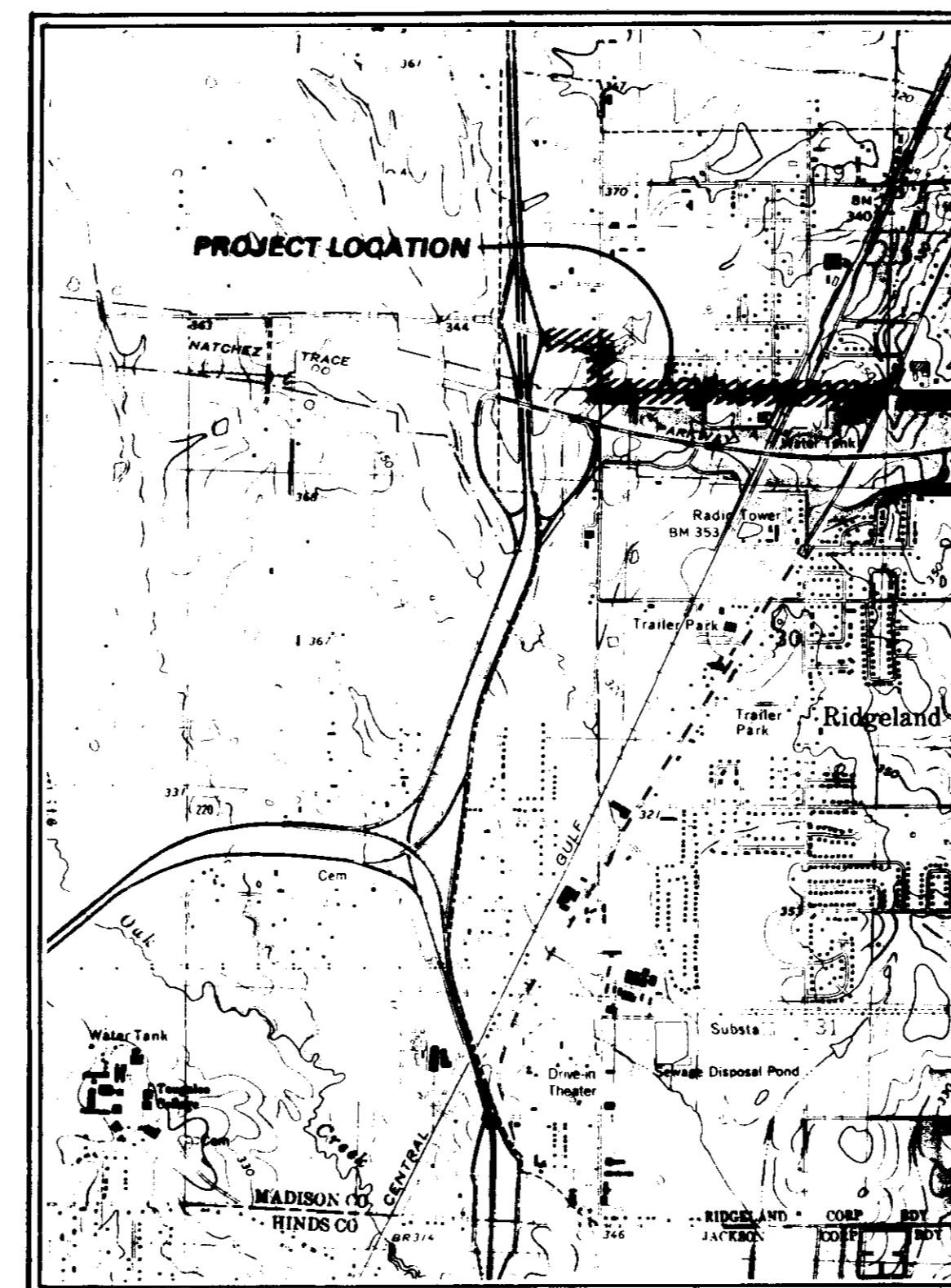


**CITY
OF**

RIDGELAND, MISSISSIPPI

JACKSON STREET WATER/SEWER RELOCATIONS



VICINITY MAP

MAYOR

GENE F. McGEE

BOARD OF ALDERMEN

HARVEY CARR, JR. (WARD 1), MAYOR PRO-TEMPORE

BRIAN BARCELLONA (WARD 2)

AL BIBLE (WARD 3)

LINDA DAVIS (WARD 4)

DARYL SMITH (ALDERMAN-AT-LARGE)

CITY CLERK

MICHAEL McPHEARSON

CITY ATTORNEY

JERRY MILLS

PUBLIC WORKS DIRECTOR

SAM C. VINSON, JR., P.E.

ASSISTANT PUBLIC WORKS DIRECTOR

SID HAWTHORNE

PREPARED BY

ENGINEERING SERVICE

CONSULTING ENGINEERS

JACKSON, MISSISSIPPI

FEBRUARY, 1991

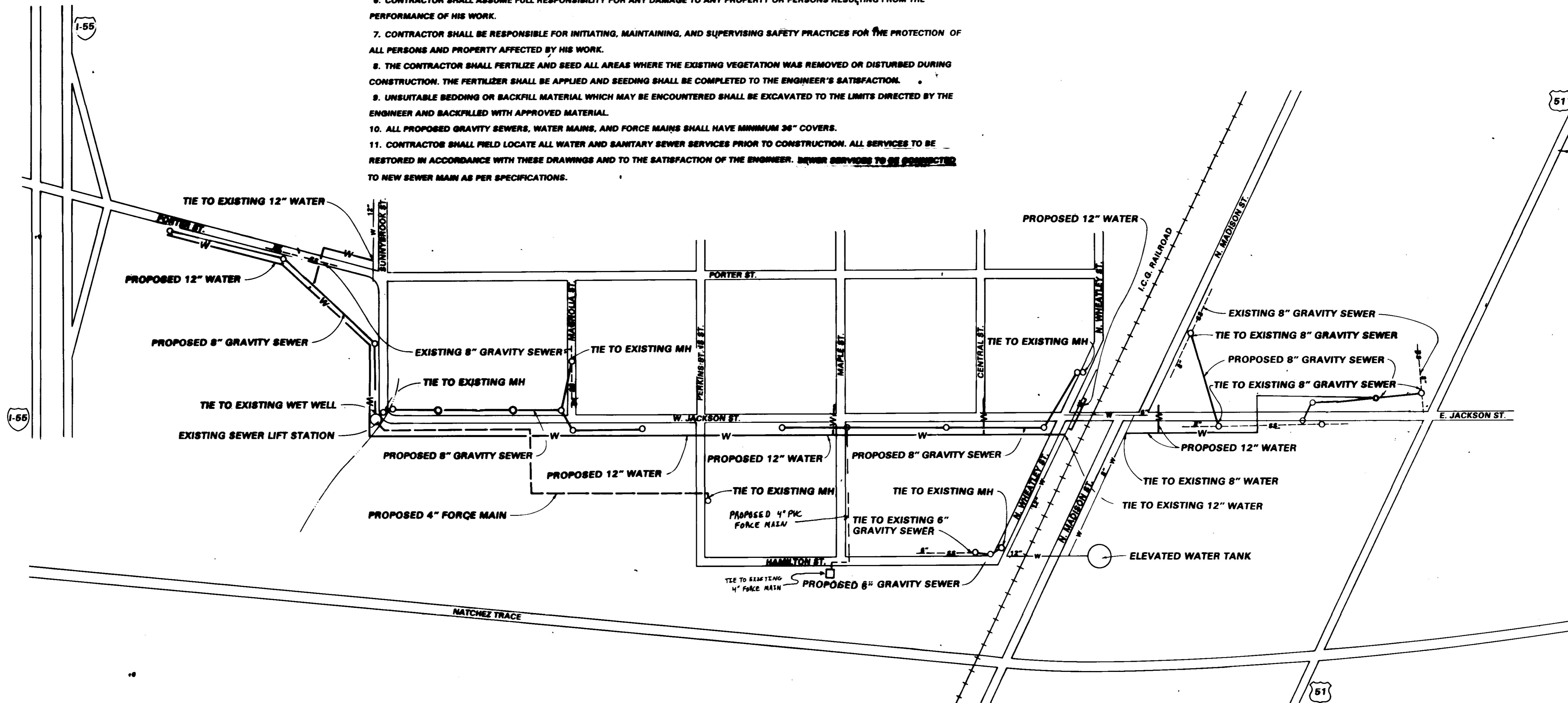
PWP-01004

GENERAL CONSTRUCTION NOTES

1. ALL ELEVATIONS SHOWN IN THESE DRAWINGS ARE BASED ON MEAN SEA LEVEL DATUM, USCGS BENCHMARK 353, ADJ 1903 (ELEV. 352.942) AND FIELD SURVEY CONDUCTED BY ENGINEERING SERVICE IN DECEMBER 1990. ELEVATIONS SHOWN IN THESE DRAWINGS CAN BE ADJUSTED TO ELEVATIONS SHOWN IN MISSISSIPPI STATE HIGHWAY DEPARTMENT PRELIMINARY PLANS FOR FEDERAL AID PROJECT NO. M-7302(1) BY SUBTRACTING 0.58 FT.
2. ALL DISTANCES AND DIMENSIONS SHOWN IN THESE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL PROMPTLY REPORT IN WRITING TO ENGINEER ANY CONFLICT, ERROR OR DISCREPANCY WHICH HE MAY DISCOVER WITH THESE DRAWINGS OR THE SPECIFICATIONS. CONTRACTOR SHALL OBTAIN WRITTEN INTERPRETATION OR CLARIFICATION FROM ENGINEER BEFORE PROCEEDING WITH ANY WORK AFFECTED BY REPORTED CONFLICT, ERROR OR DISCREPANCY.
4. THE EXISTING UTILITY LOCATIONS SHOWN IN THESE DRAWINGS ARE APPROXIMATE ONLY. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR LOCATING ALL UNDERGROUND UTILITIES, FOR COORDINATION OF ALL WORK WITH OWNERS OF UNDERGROUND UTILITIES, AND FOR THE PROTECTION AND REPAIR OF UNDERGROUND UTILITIES AFFECTED BY HIS WORK. CONTRACTOR SHALL CONTACT MISSISSIPPI ONE-CALL PRIOR TO ANY CONSTRUCTION. (362-4374)
5. ANY STREET, ALLEY, DRIVEWAY, PARKING LOT OR OTHER PUBLIC OR PRIVATE CONVENIENCE DISTURBED BY THE CONTRACTOR SHALL BE TEMPORARILY MAINTAINED BY THE CONTRACTOR IN A SAFE AND USABLE MANNER SATISFACTORY TO THE ENGINEER UNTIL SUCH TIME AS PERMANENT REPAIR OF THE DISTURBANCE IS MADE.
6. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO ANY PROPERTY OR PERSONS RESULTING FROM THE PERFORMANCE OF HIS WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING SAFETY PRACTICES FOR THE PROTECTION OF ALL PERSONS AND PROPERTY AFFECTED BY HIS WORK.
8. THE CONTRACTOR SHALL FERTILIZE AND SEED ALL AREAS WHERE THE EXISTING VEGETATION WAS REMOVED OR DISTURBED DURING CONSTRUCTION. THE FERTILIZER SHALL BE APPLIED AND SEEDING SHALL BE COMPLETED TO THE ENGINEER'S SATISFACTION.
9. UNSUITABLE BEDDING OR BACKFILL MATERIAL WHICH MAY BE ENCOUNTERED SHALL BE EXCAVATED TO THE LIMITS DIRECTED BY THE ENGINEER AND BACKFILLED WITH APPROVED MATERIAL.
10. ALL PROPOSED GRAVITY SEWERS, WATER MAINS, AND FORCE MAINS SHALL HAVE MINIMUM 36" COVERS.
11. CONTRACTOR SHALL FIELD LOCATE ALL WATER AND SANITARY SEWER SERVICES PRIOR TO CONSTRUCTION. ALL SERVICES TO BE RESTORED IN ACCORDANCE WITH THESE DRAWINGS AND TO THE SATISFACTION OF THE ENGINEER. **SEWER SERVICES TO BE CONNECTED TO NEW SEWER MAIN AS PER SPECIFICATIONS.**

ABBREVIATIONS

- GV GATE VALVE
- FH FIRE HYDRANT
- MH MANHOLE
- D.I. DUCTILE IRON
- CMP CORRUGATED METAL PIPE
- RCP REINFORCED CONCRETE PIPE
- MB MAIL BOX
- MSHD MISSISSIPPI STATE HIGHWAY DEPARTMENT
- WM WATER METER
- STL STEEL
- B&J BORED AND JACKED
- O.C. OPEN CUT
- PP POWER POLE
- R.O.W. RIGHT-OF-WAY



PROJECT LAYOUT
N.T.S.

INDEX TO DRAWINGS	
SHEET NO.	TITLE
1	COVER/TITLE SHEET
2	PROJECT LAYOUT/NOTES/INDEX
3-14	PLAN/PROFILES
15-19	DETAILS

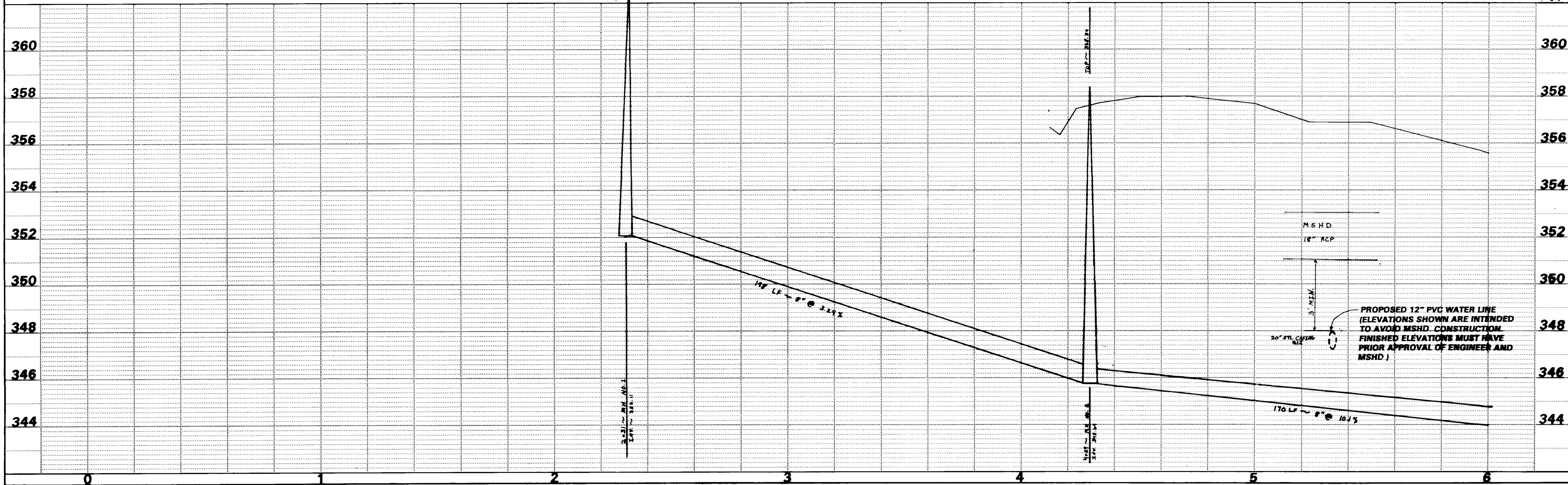
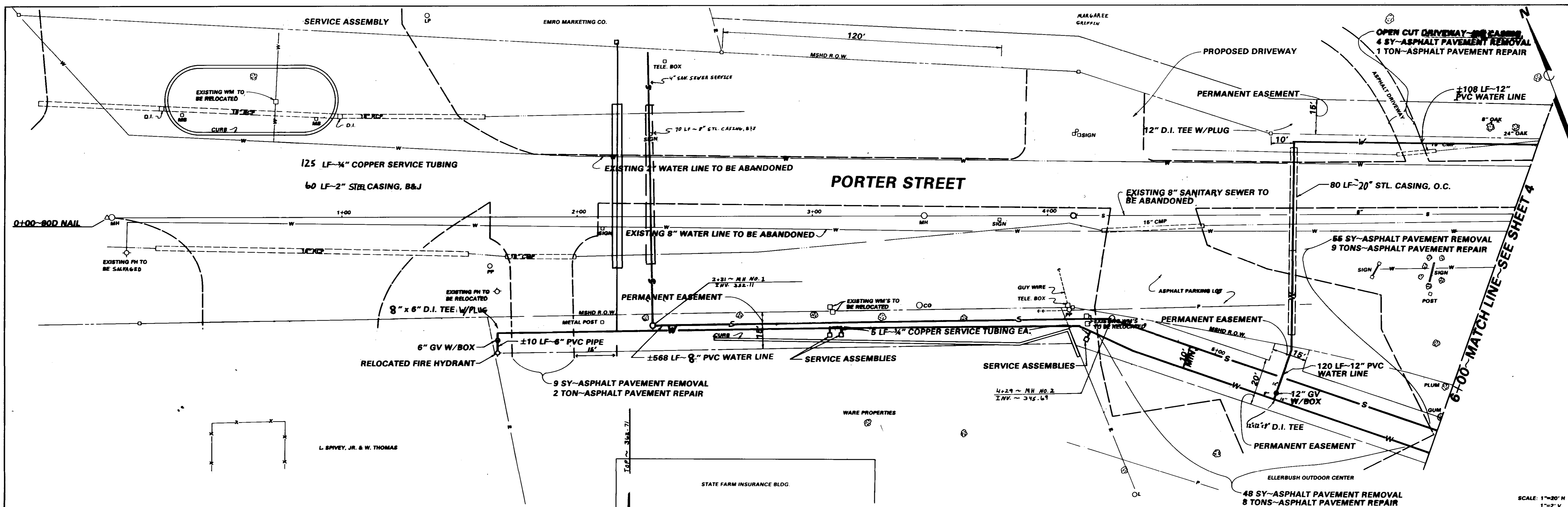
LEGEND

---	PROPOSED FORCE MAIN
W	PROPOSED WATER LINE
w	EXISTING WATER LINE
---	PROPOSED SEWER LINE
-S-	EXISTING SEWER LINE
O	MANHOLE

CITY OF RIDGELAND, MS			
OWNER			
PROJECT LAYOUT		PROJECT NUMBER	
TITLE			
JACKSON STREET			
WATER/SEWER RELOCATIONS			
ENGINEERING SERVICE			
CONSULTING ENGINEERS — JACKSON, MISSISSIPPI			
DATE	DRAWN BY W.E.M.	DATE 1/91	SHEET NO.
DATE	CHECKED BY M.J.A.	SCALE: NONE	91-R-8013
			JOB NO. OF 5 SHEETS

DATE	
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PLANNED	
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STATE FARM INSURANCE BLDG
 TOP ~ 348.71
 2+29 ~ M.H. NO. 2
 I.N.V. ~ 345.61
 4+29 ~ M.H. NO. 2
 I.N.V. ~ 345.61

DATE	
BY	
PLAN	
SURVEYED	
ALIGNED	
CHECKED	
BY	
DATE	

DATE	
BY	
PROFILE	
SURVEYED	
GRADES	
CHECKED	
BY	
DATE	

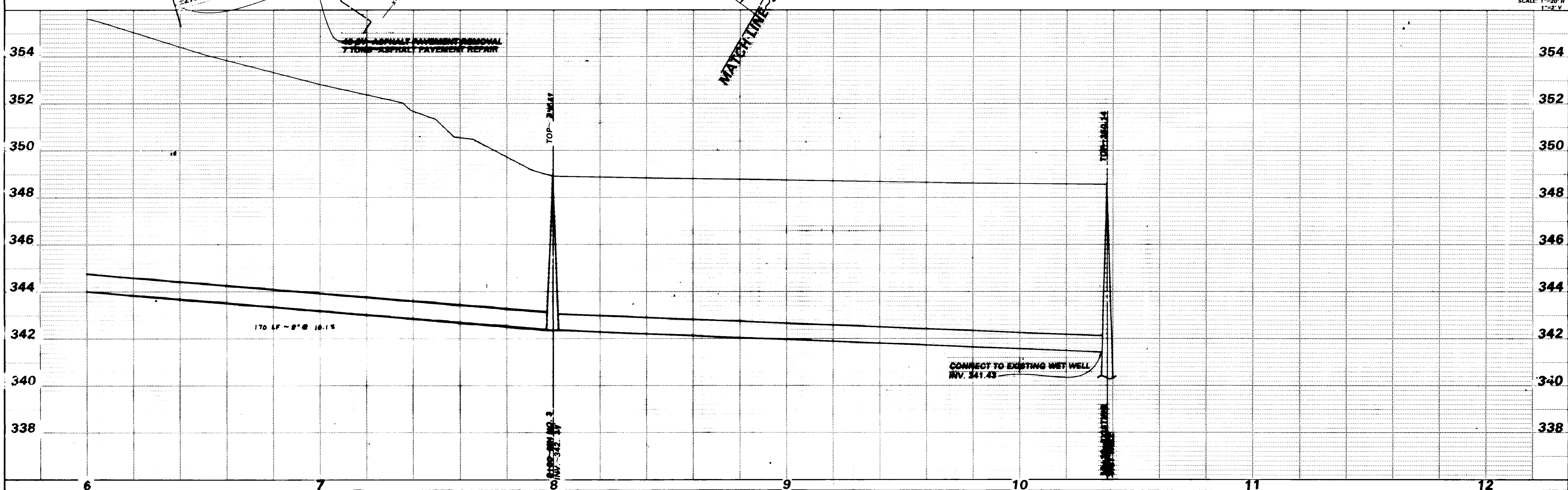
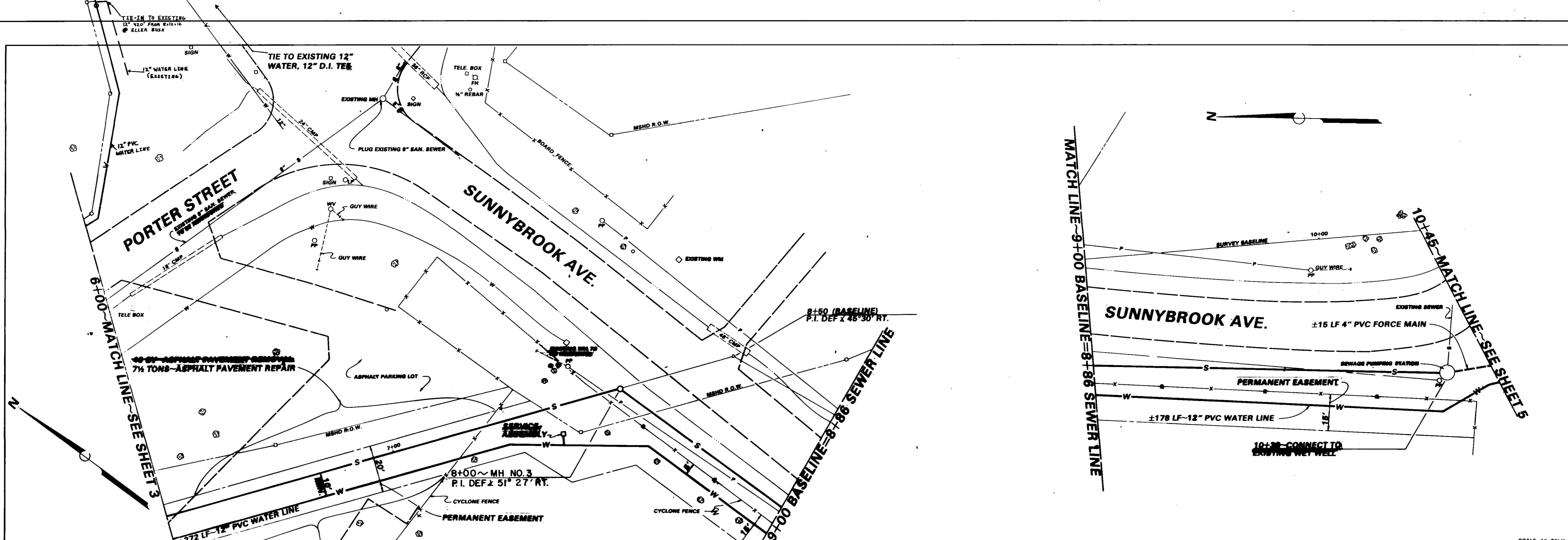
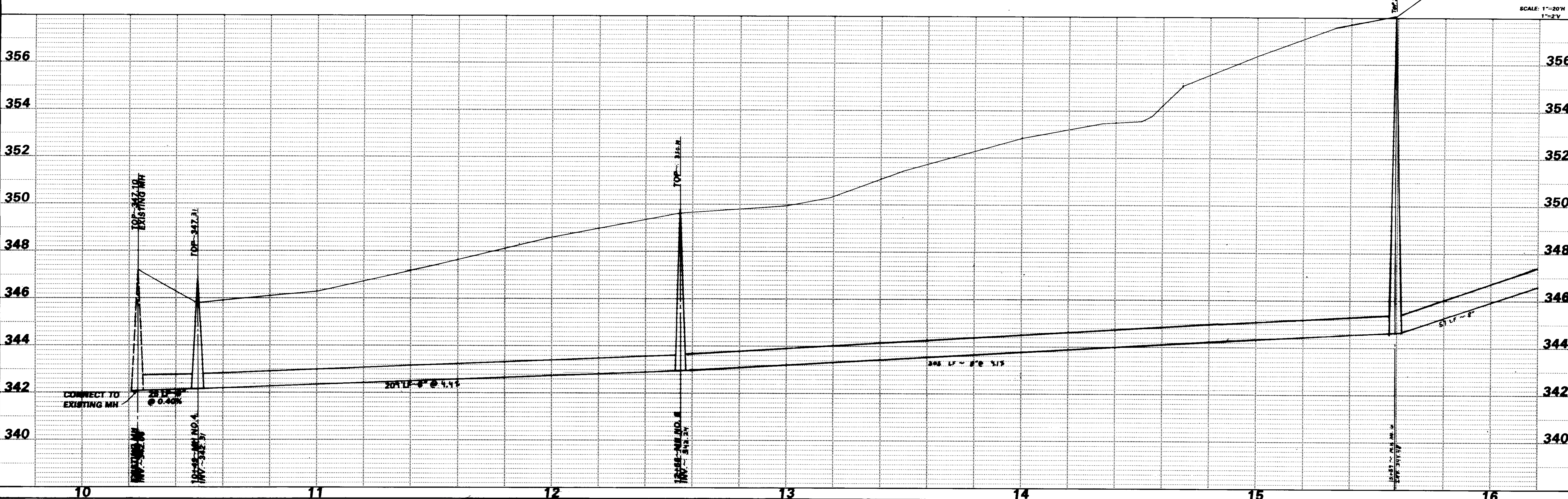
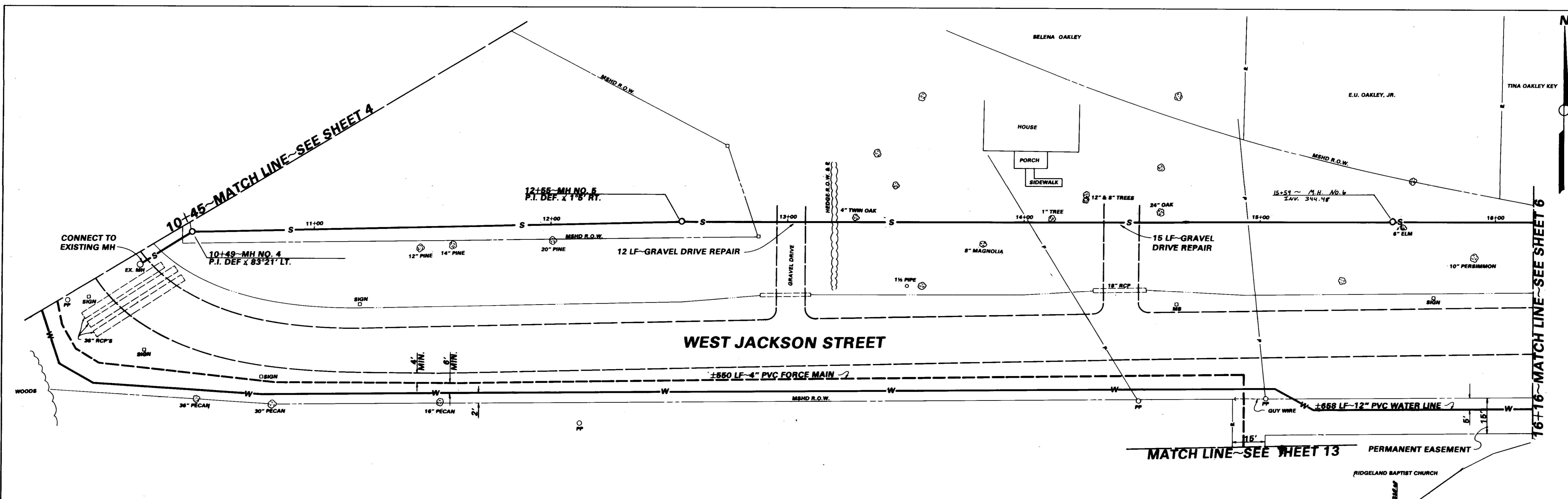


PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
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	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	



HIGHWAY FEDERAL AND STATE
 PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
 10" TELEPHONE
 PRINTED IN U.S.A.

DATE	
BY	
CHECKED	
PLOTTED	
ALIGNED	
RT. OF WAY	
NO.	
PLAN	

DATE	
BY	
CHECKED	
PLOTTED	
GRASSES	
NO.	
PROFILE	

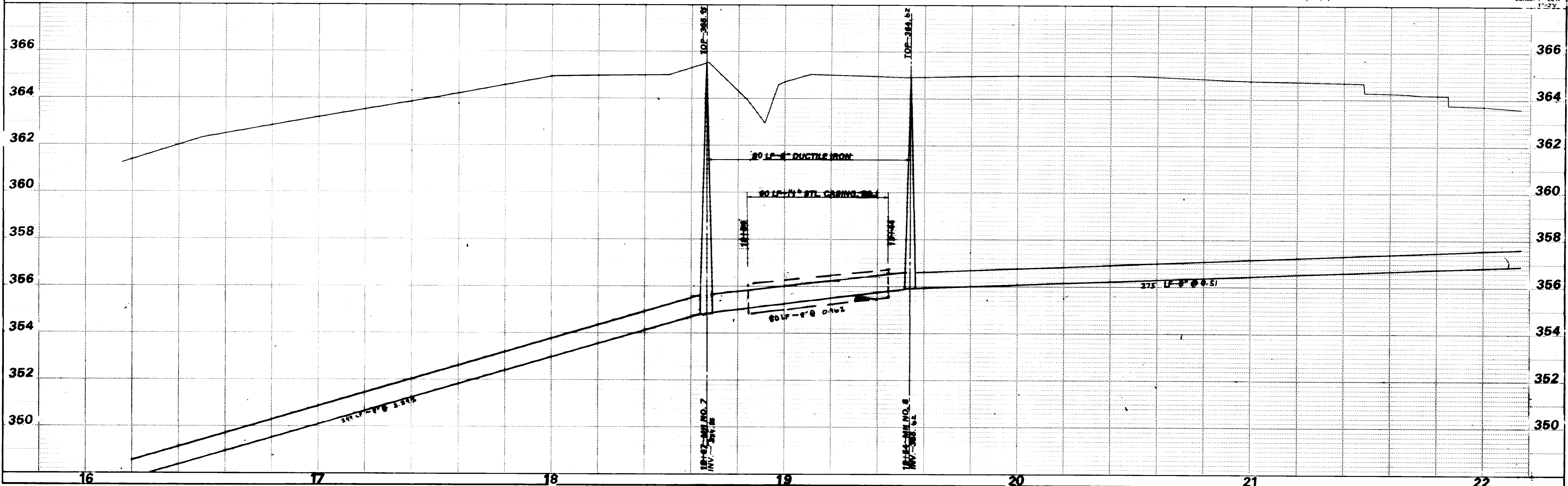
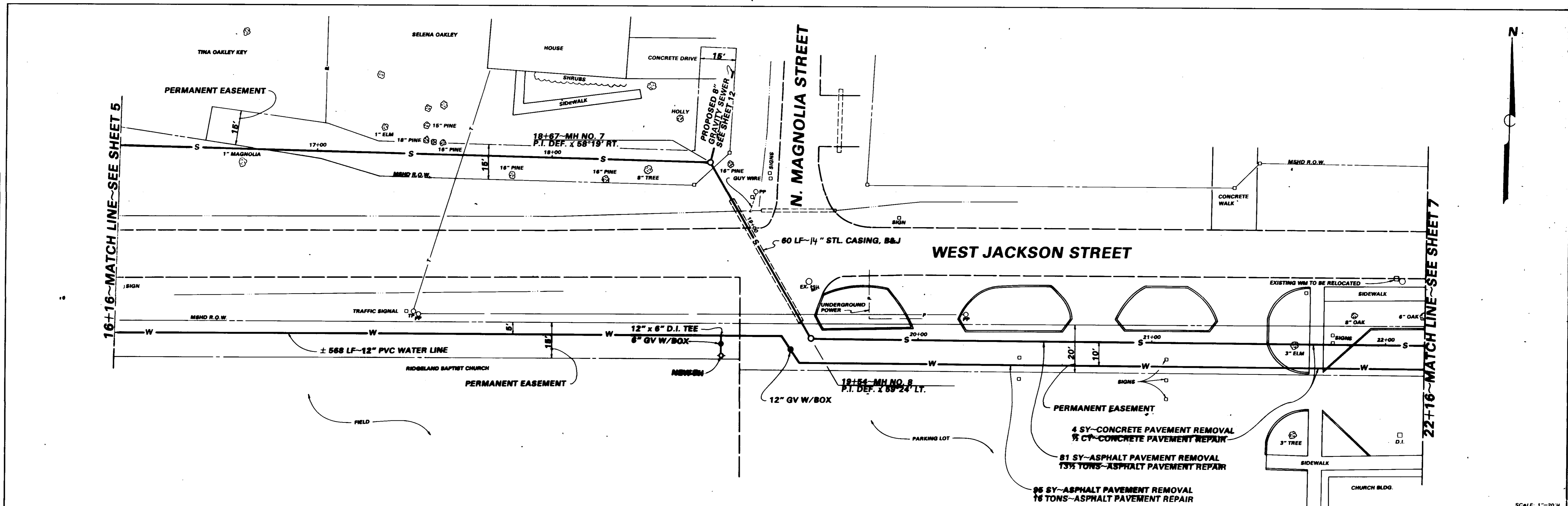
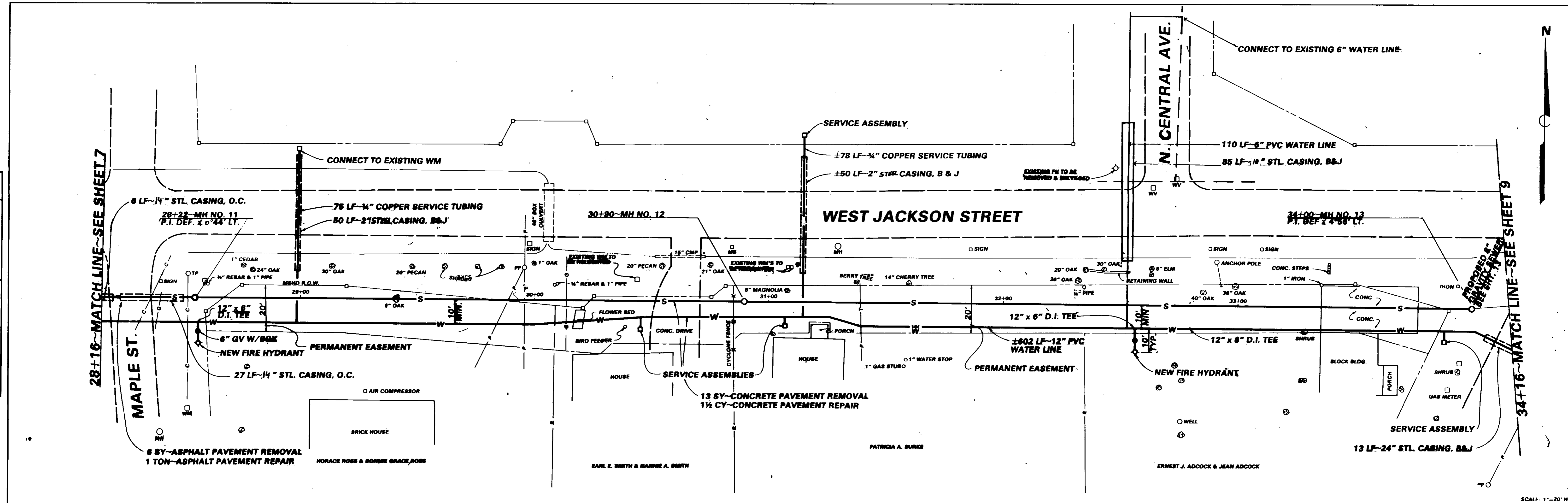


PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT

PLAN	DATE
SURVEYED	
DESIGNED	
CHECKED	
BY	
DATE	
BY	
DATE	



PROFILE	DATE
SURVEYED	
DESIGNED	
CHECKED	
BY	
DATE	
BY	
DATE	

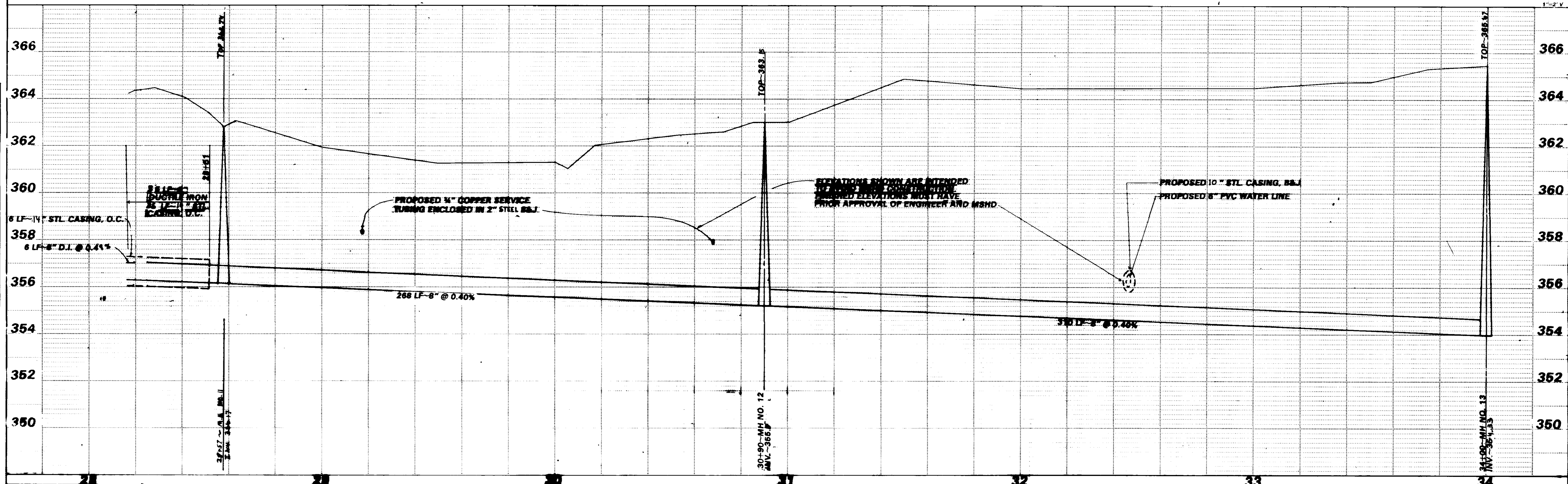
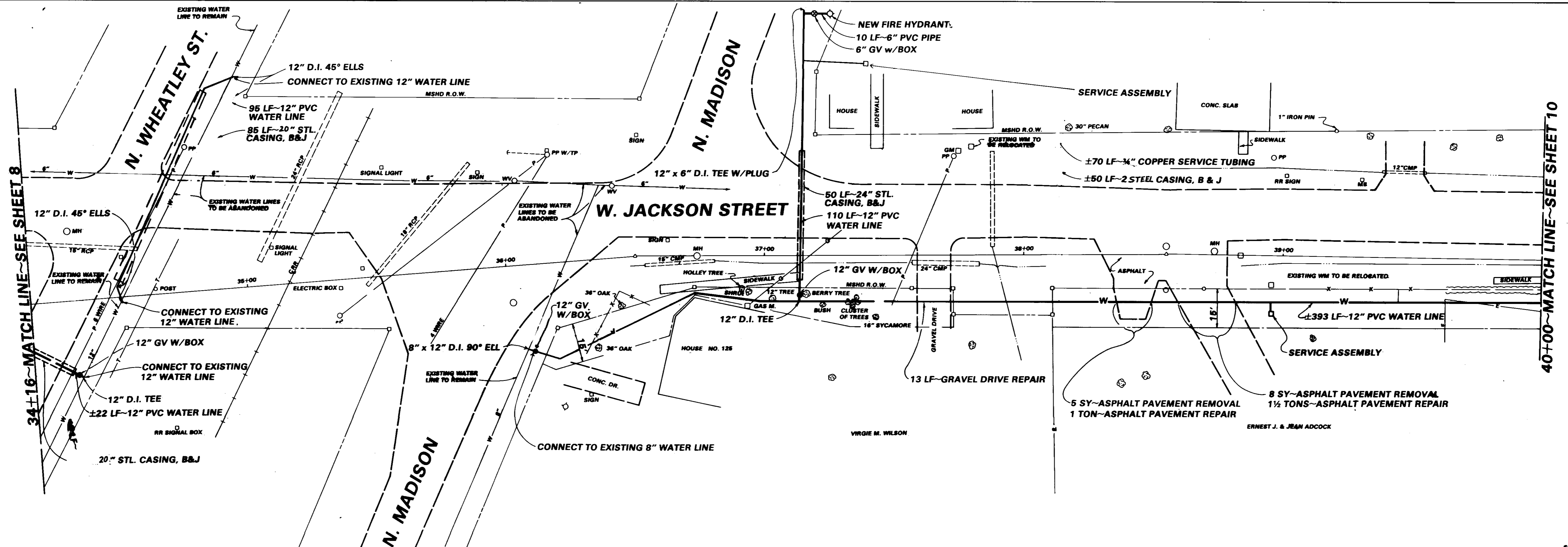


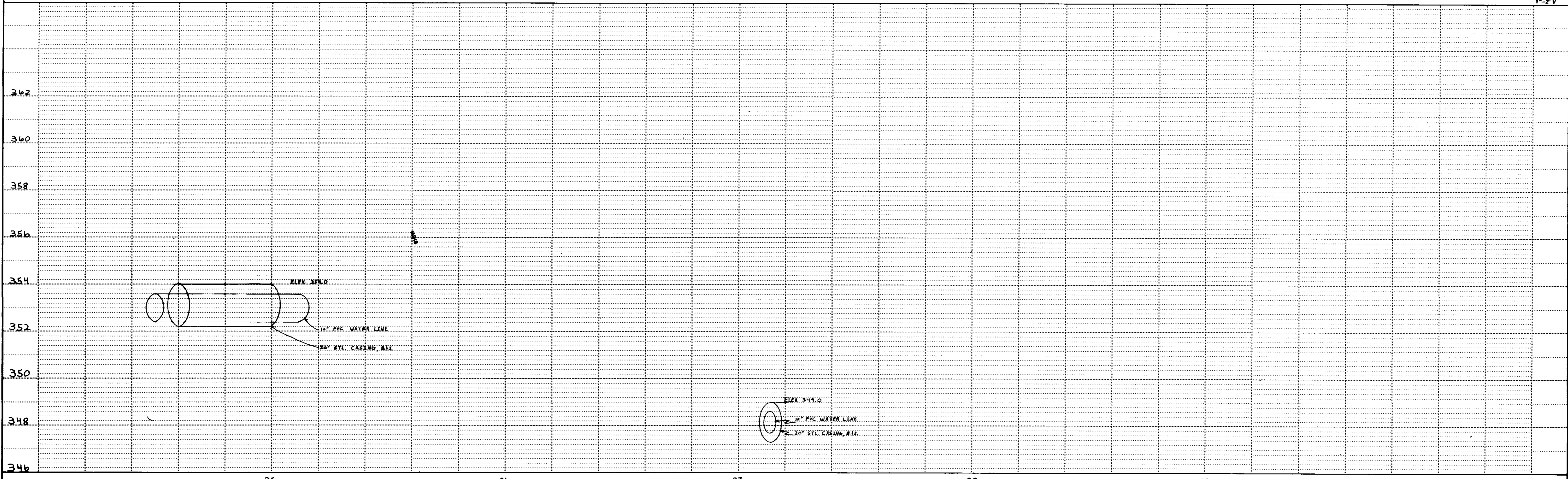
PLATE 1 SINGLE PLAN AND PROFILE FULL DOT

DATE	
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CHECKED	
APPROVED	
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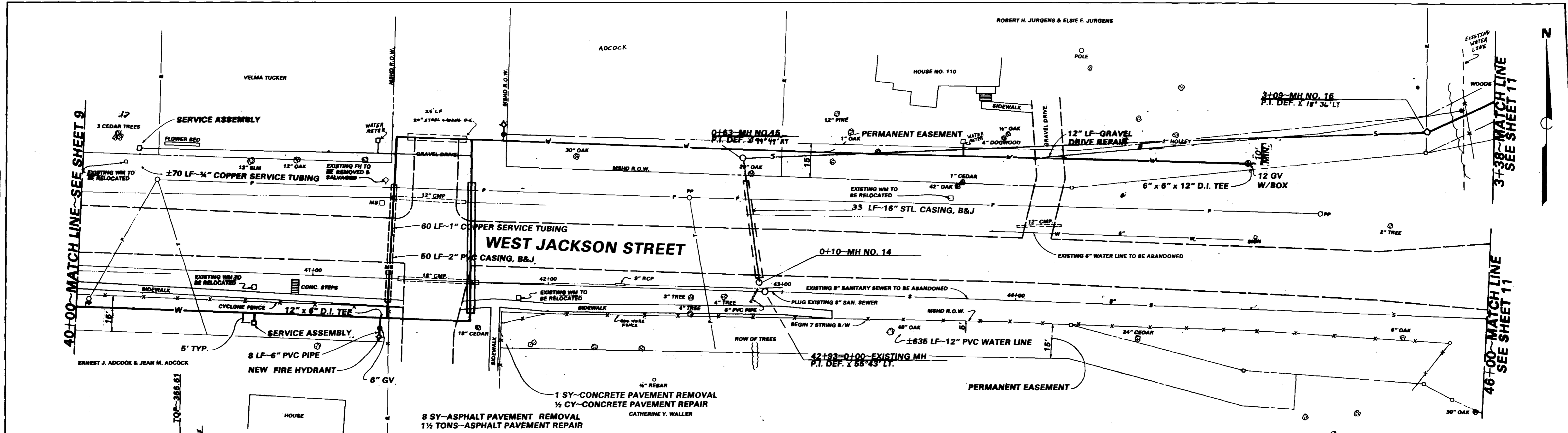
SCALE: 1"=8' H
1"=2' V



HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
DESIGNED BY
PRINTED IN U.S.A.

DATE	
BY	
PLAN	SURVEYED
	WHITE MARK
	ALIGNED
	CHECKED
	BY
	DATE

DATE	
BY	
PROFILE	SURVEYED
	WHITE MARK
	ALIGNED
	CHECKED
	BY
	DATE



NOTE: CONTRACTOR SHALL NOT DAMAGE OR REMOVE ANY TREES OR SHRUBS FROM STA. 41+60 TO STA. 45+20 FOR FACILITIES TO BE LOCATED ON OR NEAR WALLER PROPERTY.

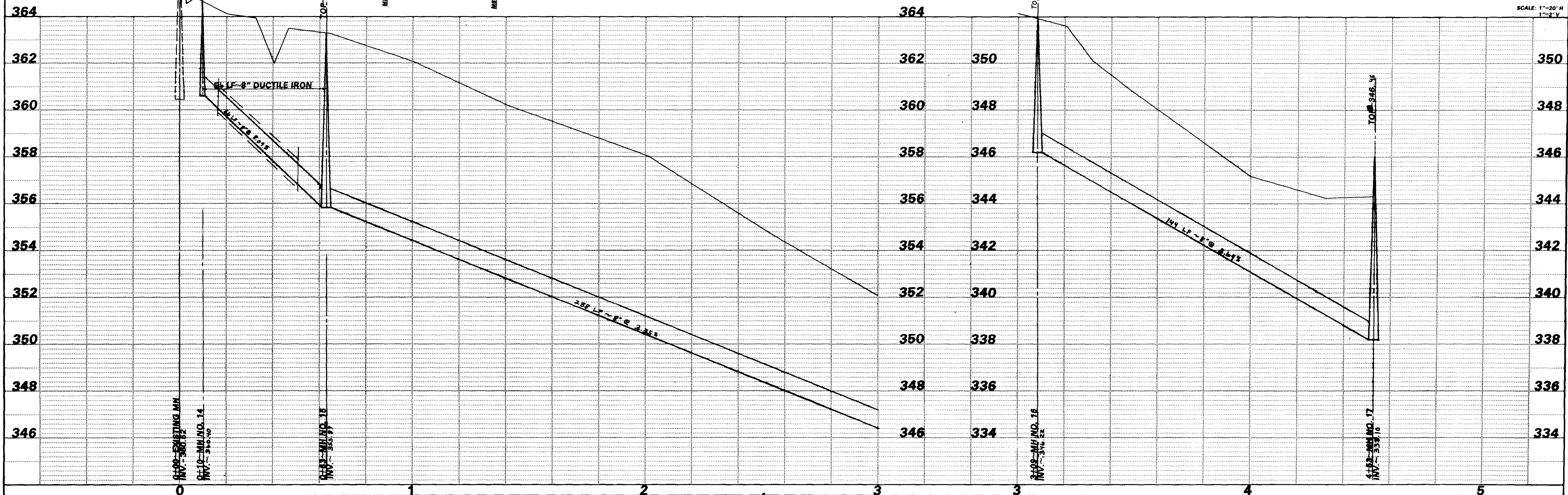


PLATE I-SINGLE PLAN AND PROFILE-FULL DOT
PRINTED IN U.S.A.

PLAN	DATE
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PLOTTED	
CHECKED	
DATE	
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DATE	

PROFILE	DATE
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DESIGNED	
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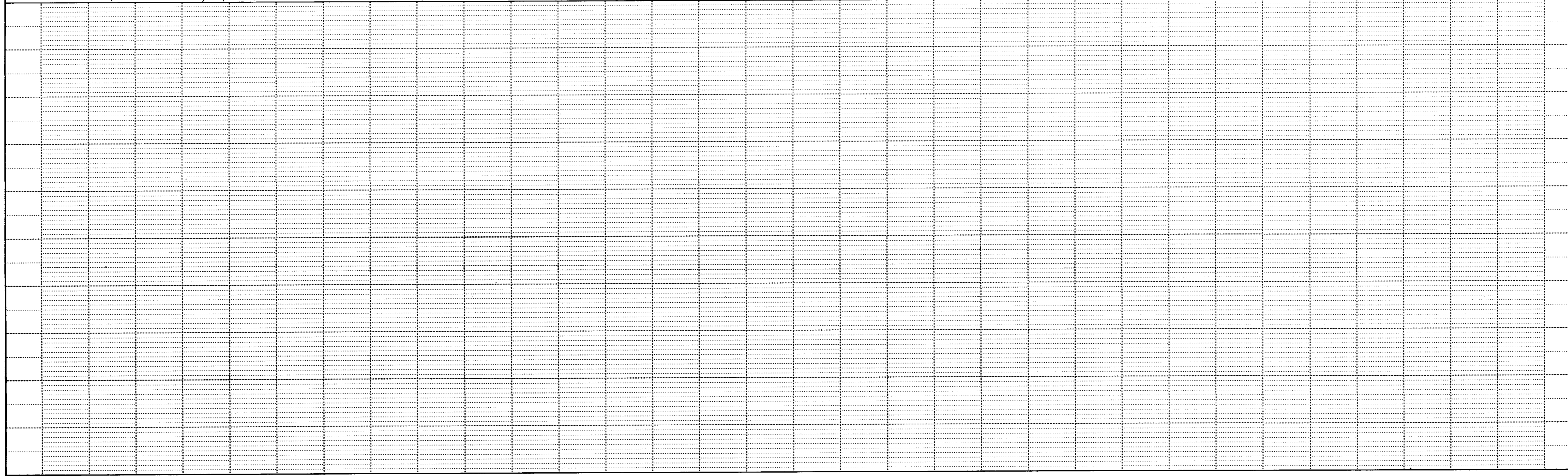
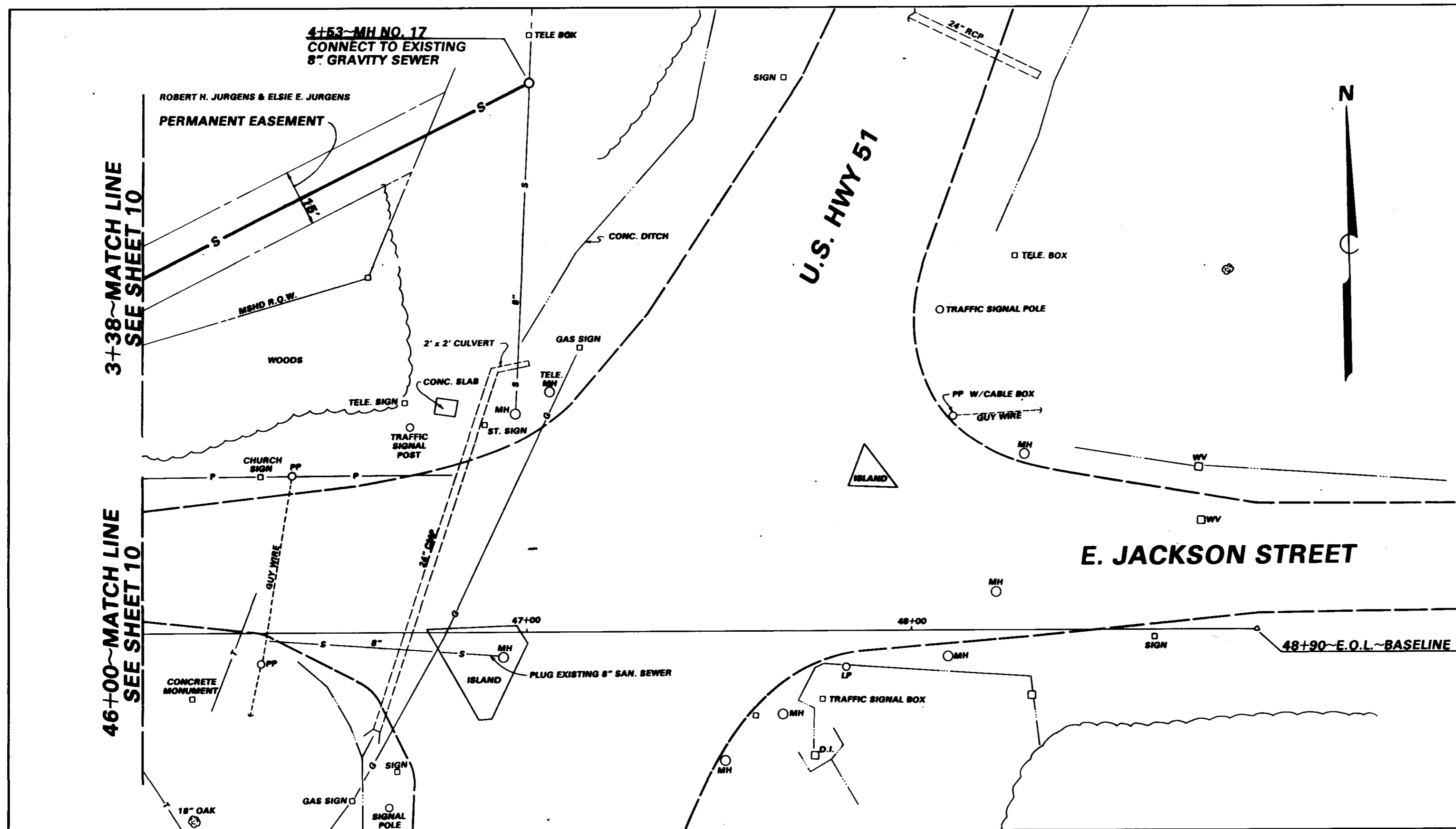
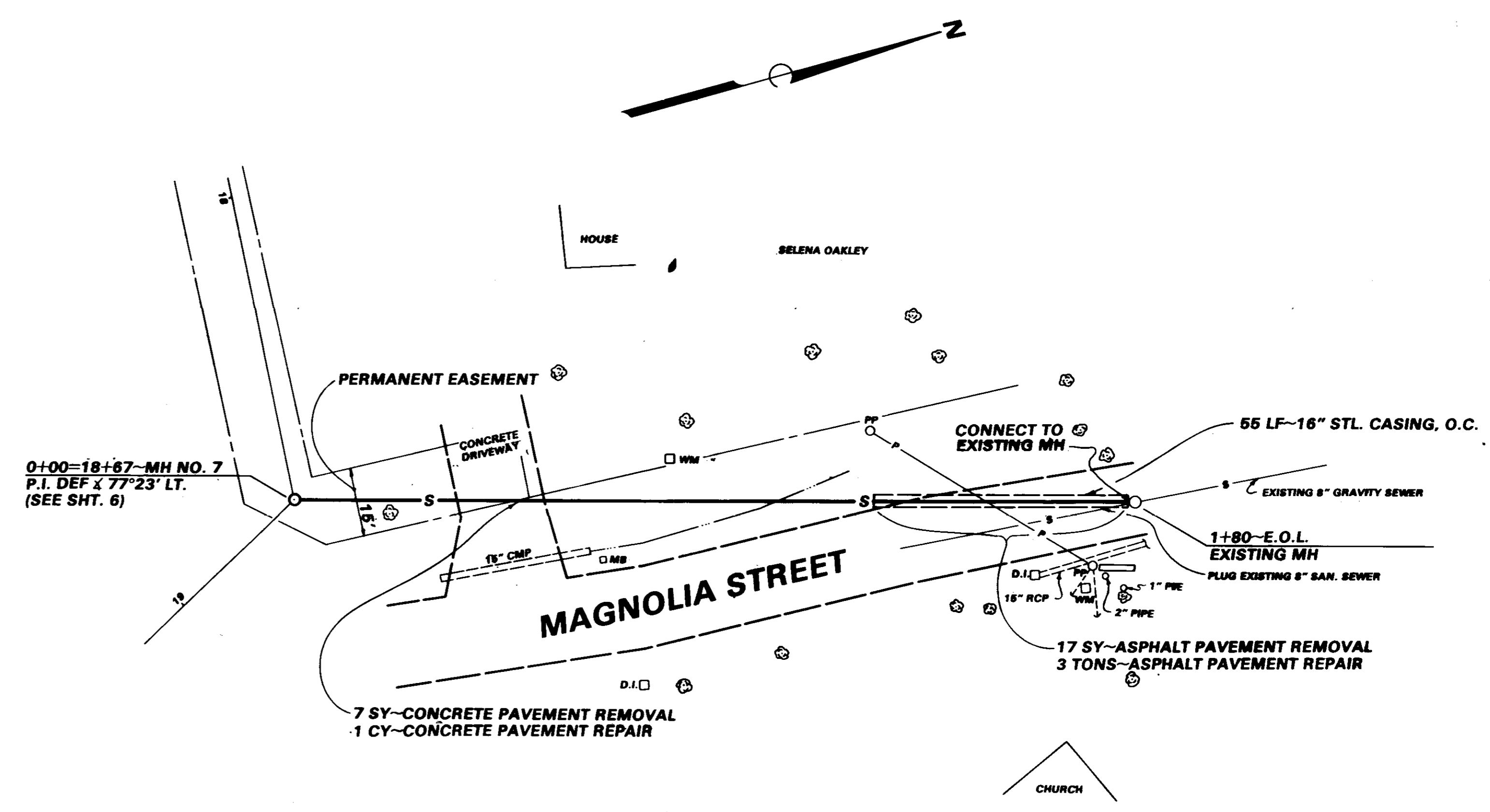
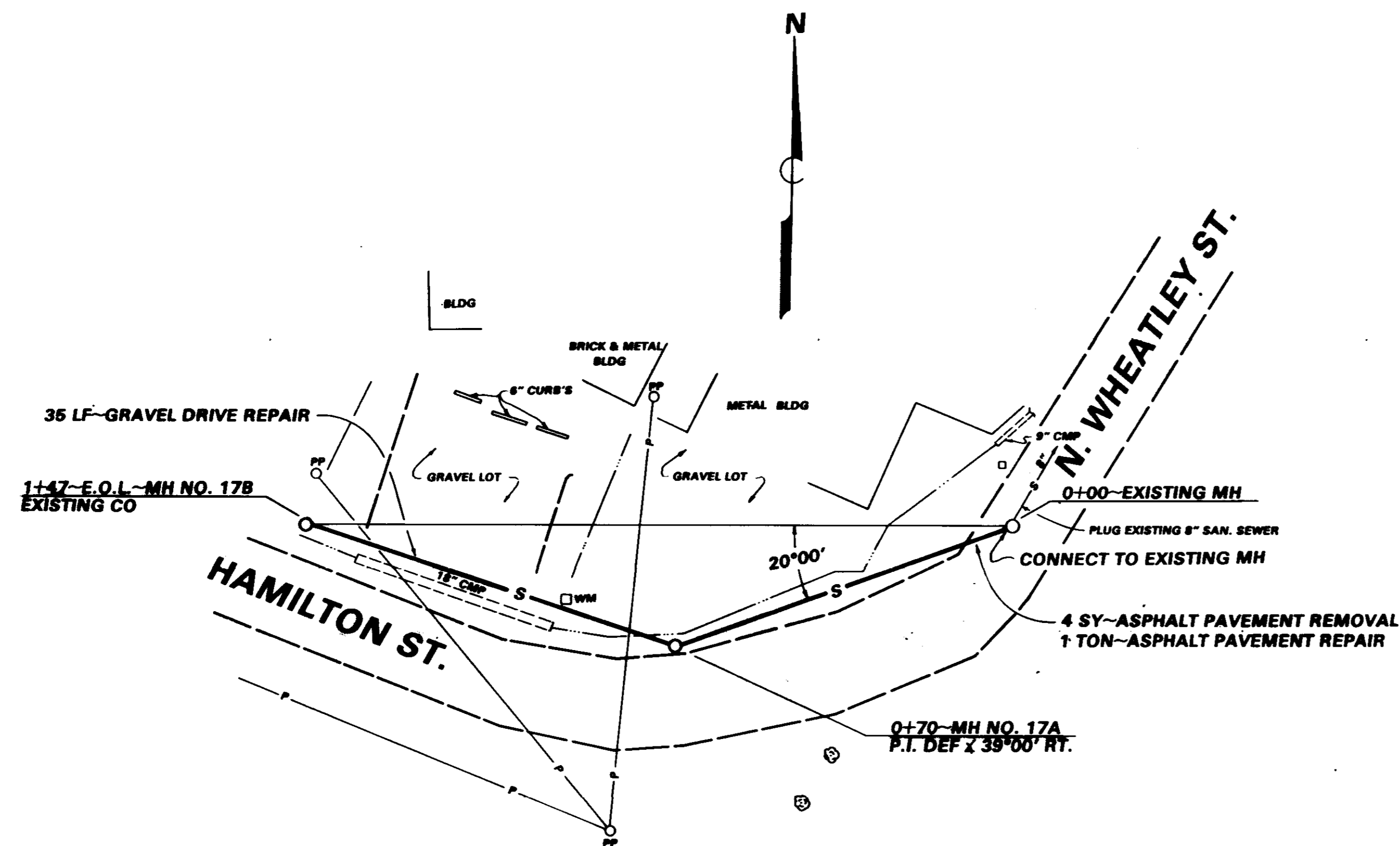
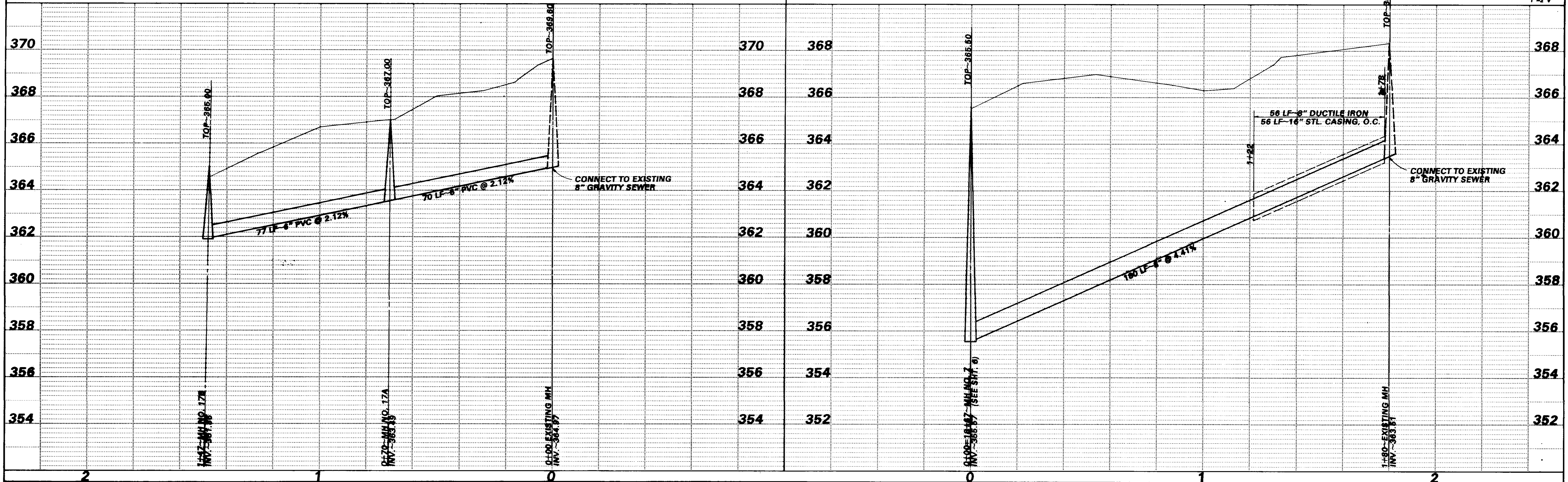


PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
PRINTED IN U.S.A.

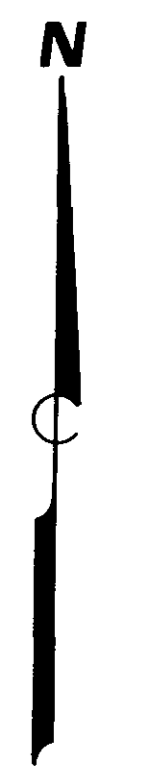
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PLAN	
SURVEYED	
ALIGNED	
GRADES CHECKED	
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INSTRUMENT	
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BY	
PROFILE	
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ALIGNED	
GRADES CHECKED	
PLOTTED	
INSTRUMENT	
DATE	
BY	



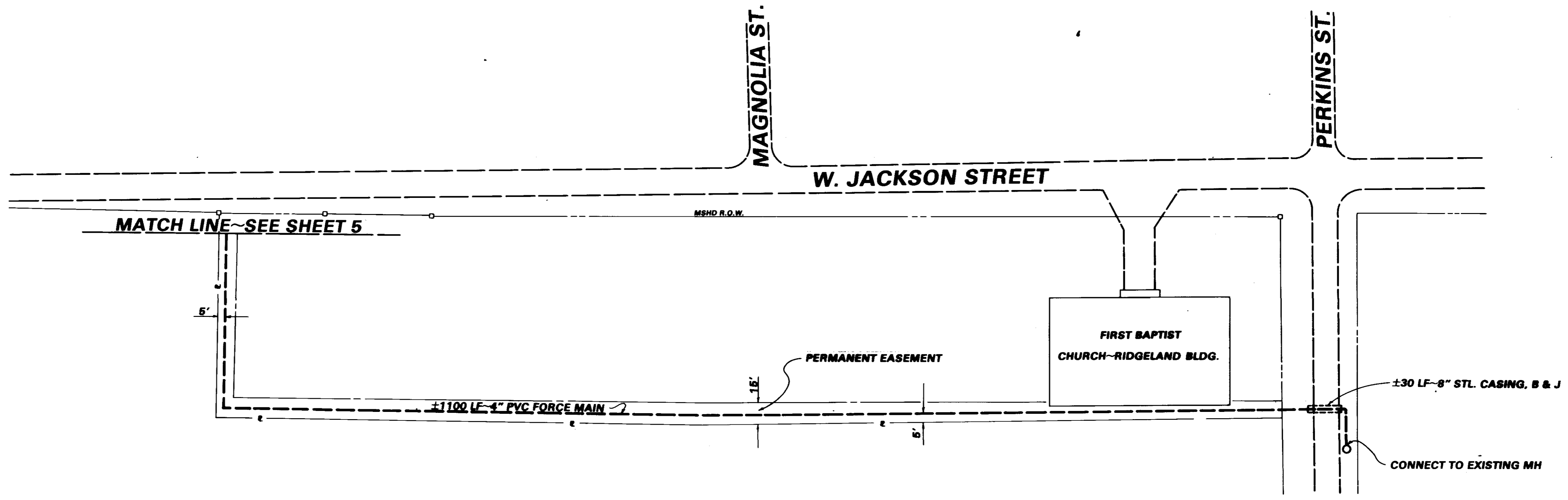
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GRADES CHECKED	
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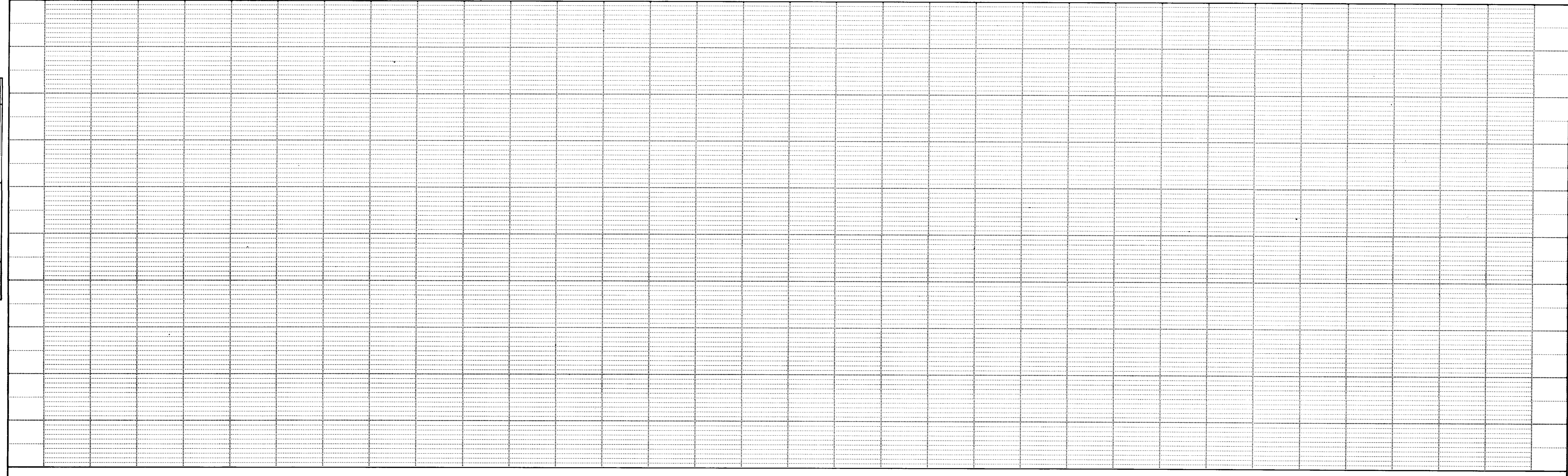
HIGHWAY FEDERAL AID SHEET
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 1/2"=1" VERTICAL
 PRINTED IN U.S.A.



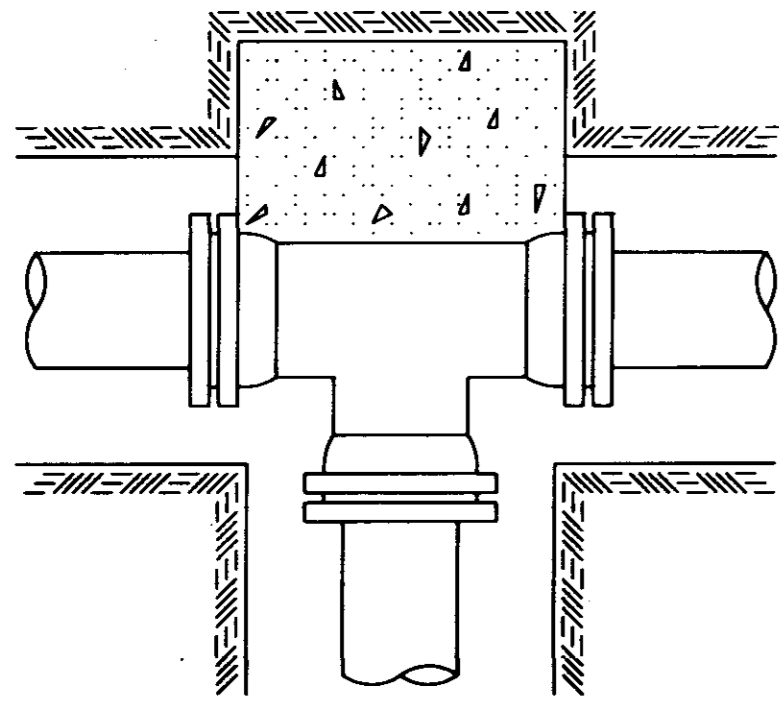
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	PLOTTED		
DATE BOOK	CHECKED		
	AT OF WAY CHECKED		



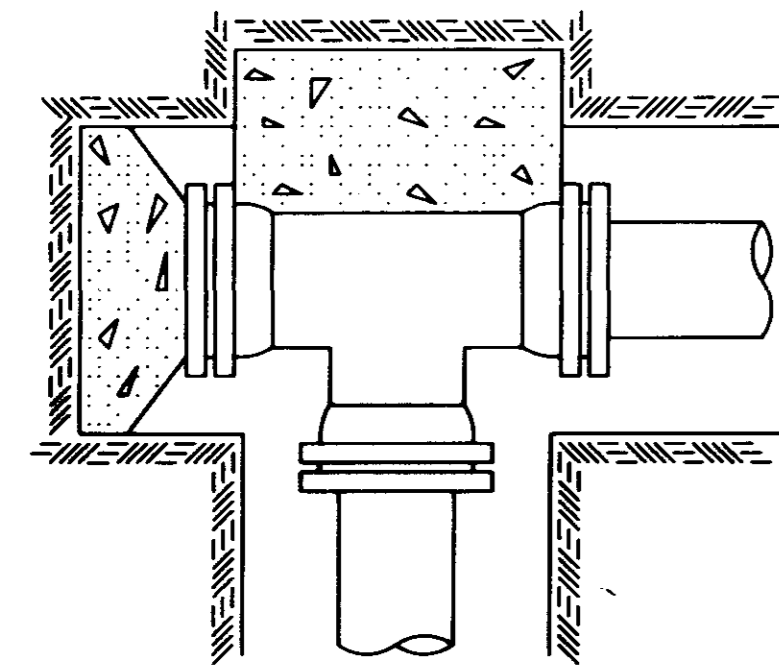
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	PLANNED		
DATE BOOK	CHECKED		
	STRUCTURE NOTATION CHECKED		



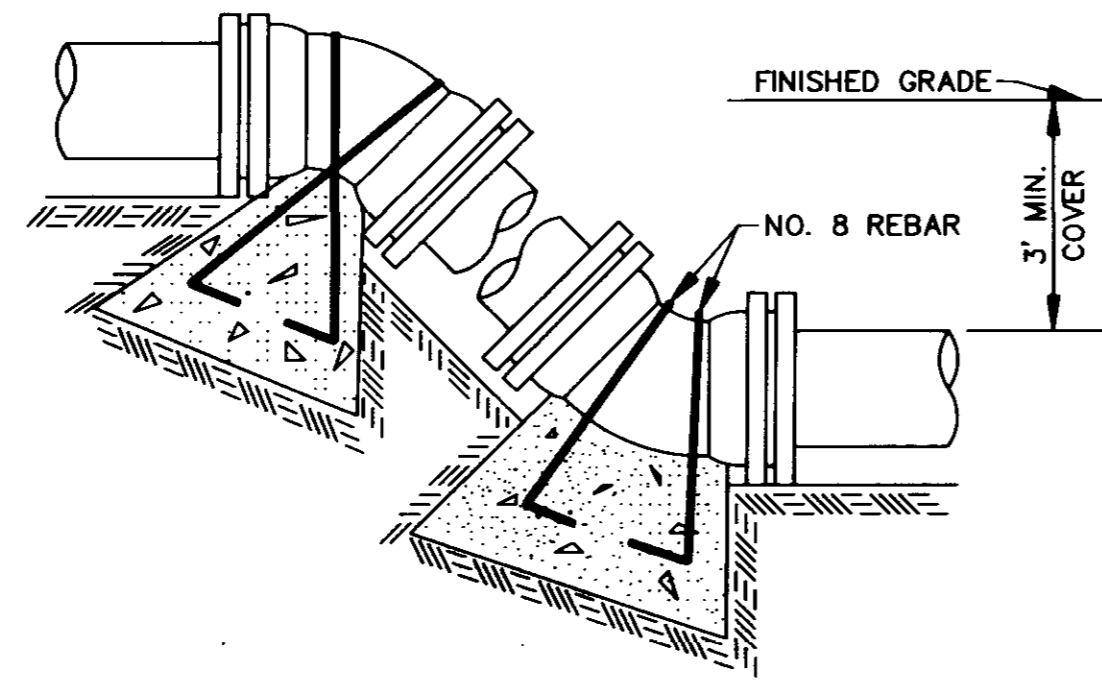
ROADWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
WATERLOO
PRINTED IN U.S.A.



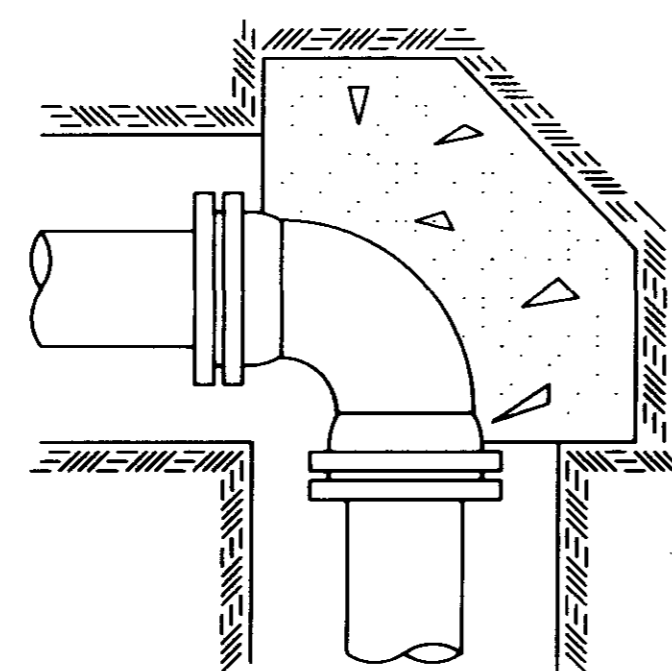
TEE



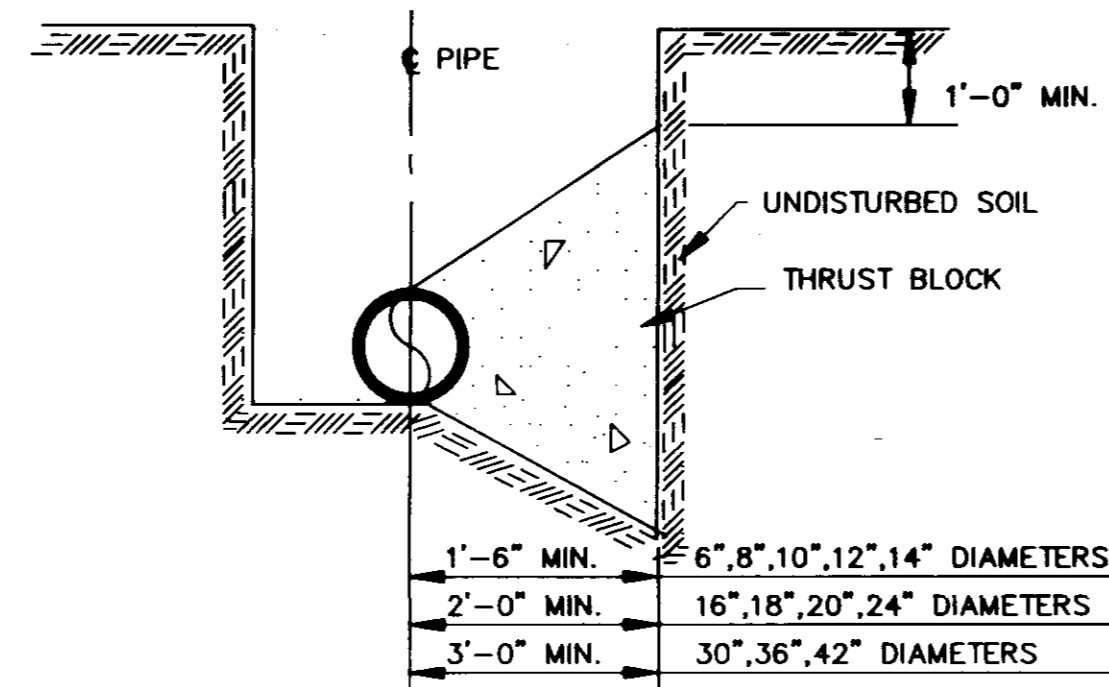
PLUGGED TEE



VERTICAL BENDS



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

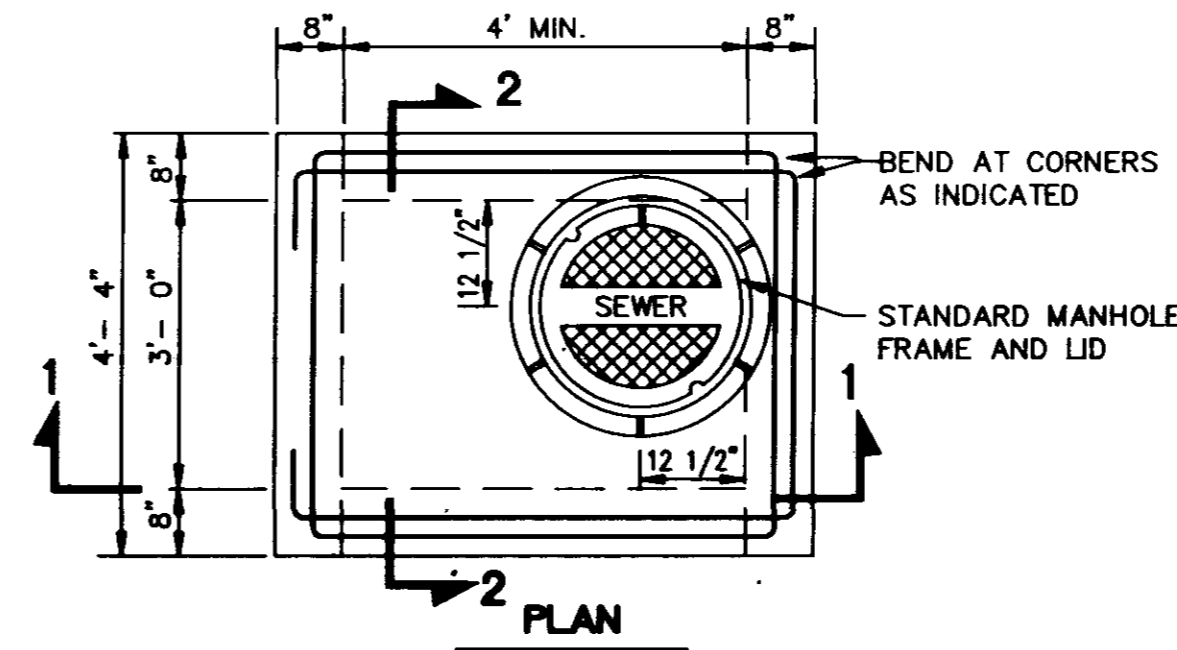
BEARING AREA IN SQ. FT.

NOMINAL PIPE DIAMETER (IN)	VERTICAL BENDS					NOMINAL PIPE DIAMETER (IN)	VERTICAL BENDS				
	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND		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)	

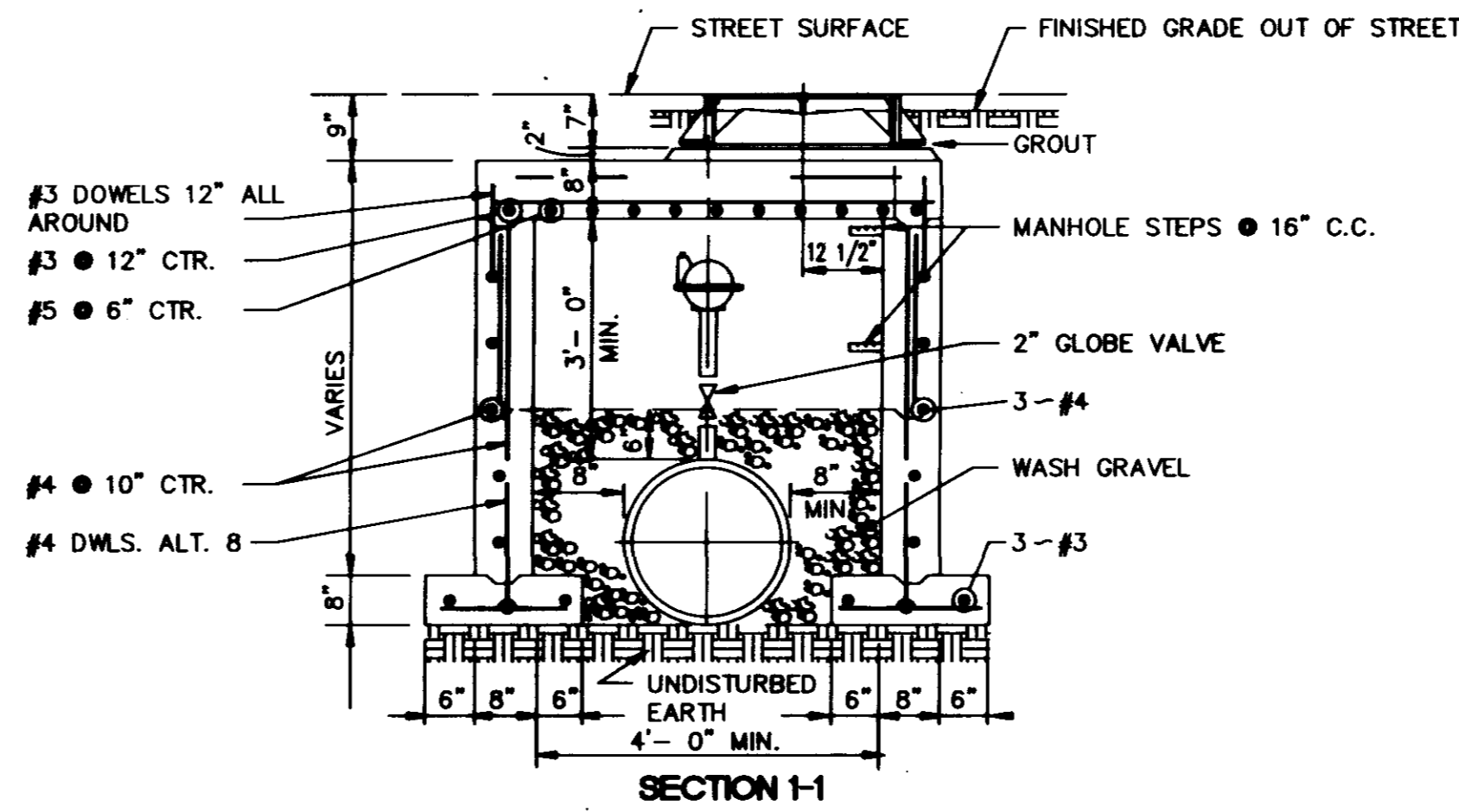
VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

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.

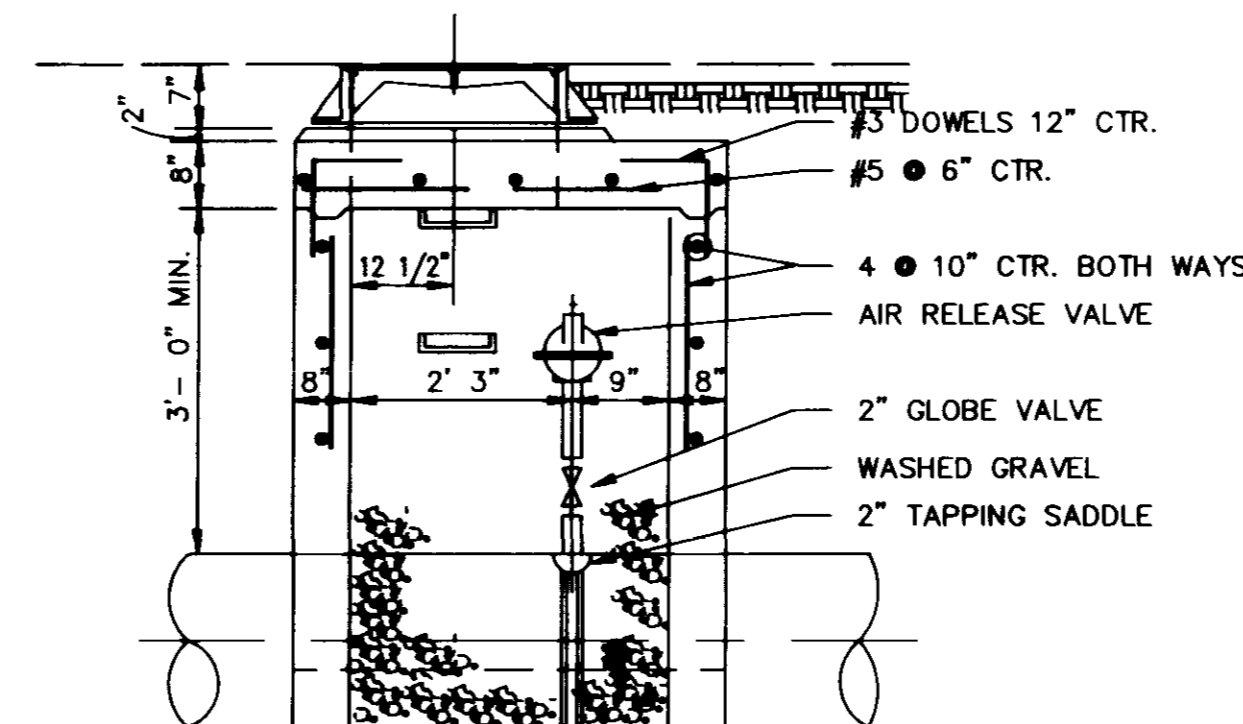
NOTE:
ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



PLAN



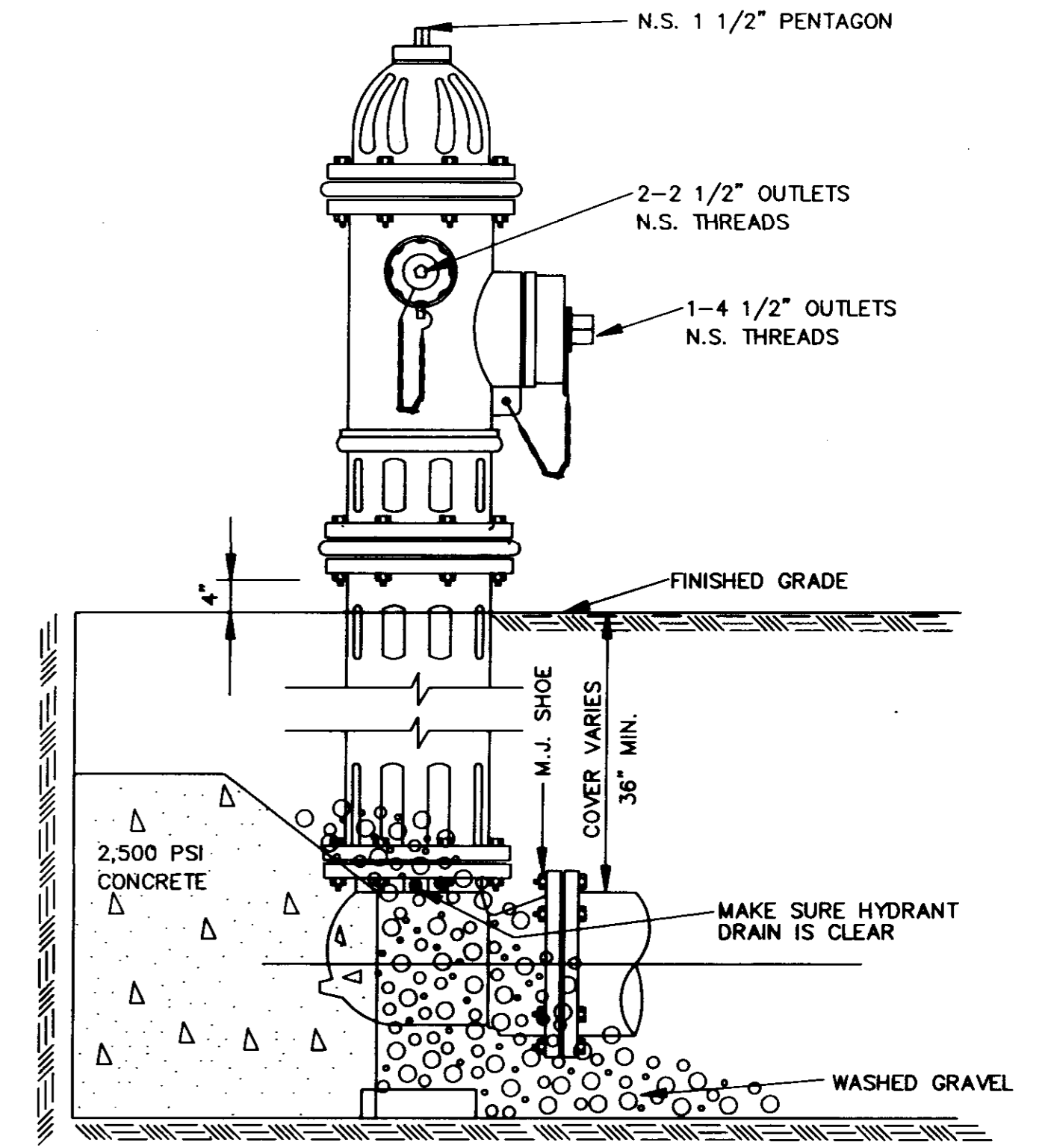
SECTION 1-1



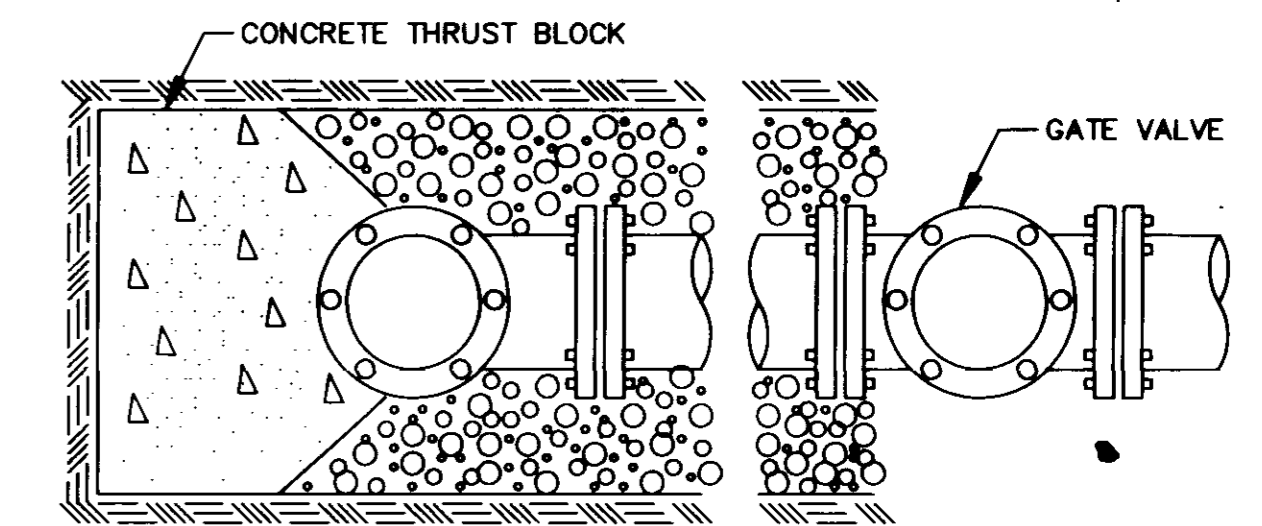
SECTION 2-2

TYPICAL AIR OR AIR VACCUUM RELEASE VALVE INSTALLATION WITH MANHOLE

NOT TO SCALE



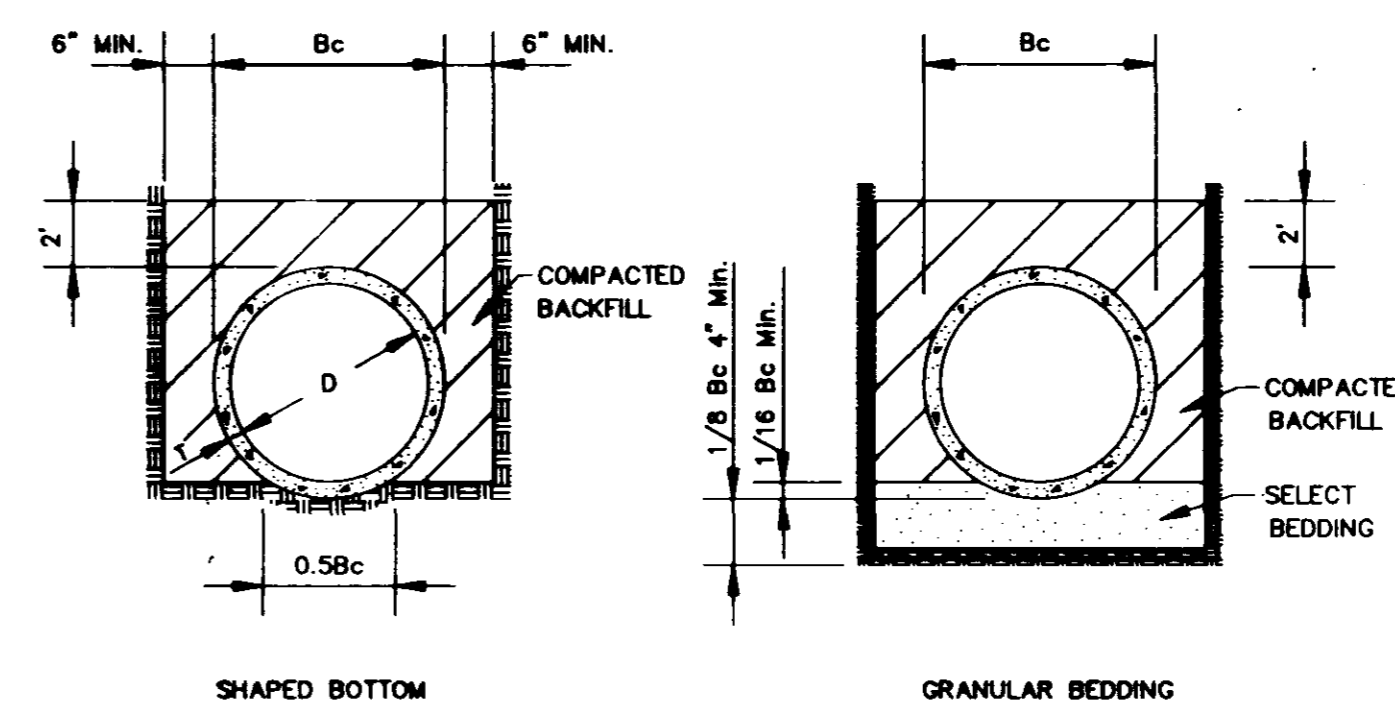
ELEVATION



PLAN

TYPICAL FIRE HYDRANT INSTALLATION

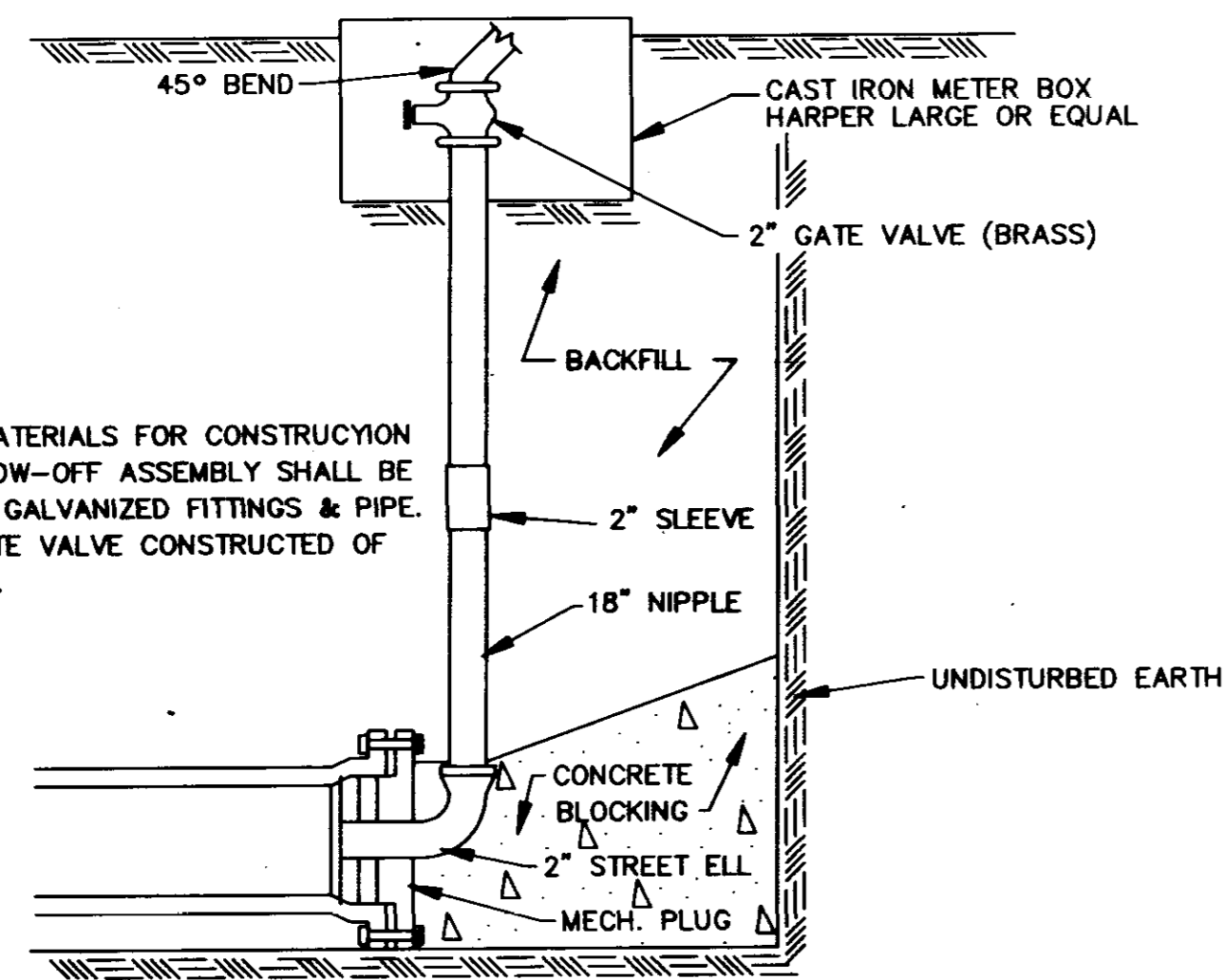
NOTE: GATE VALVES WILL BE REQUIRED ON ALL FIRE HYDRANT LEGS.
N.T.S.



TYPICAL TRENCH DETAILS

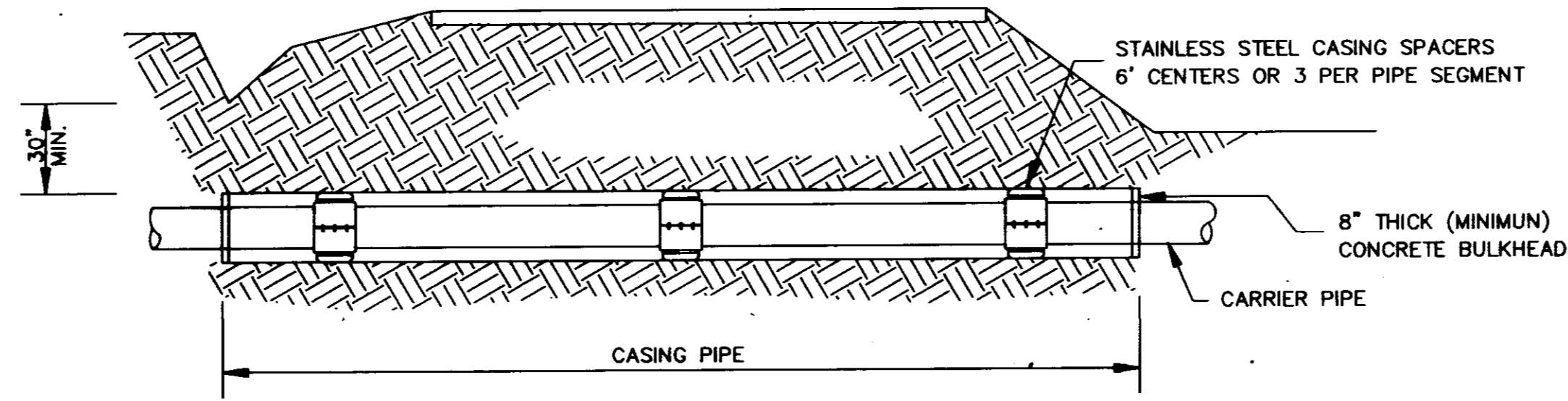
N.T.S.

CITY OF RIDGELAND, MS	
JACKSON STREET	PROJECT NUMBER
WATER/SEWER RELOCATIONS	
CITY OF RIDGELAND STD. DETAILS	
ENGINEERING SERVICE	
CONSULTING ENGINEERS — JACKSON, MISSISSIPPI	
DRAWN BY	DATE: 2/91
CHECKED BY	SCALE: SHOWN
91-R-8013	SHEET NO. 15
JOB NO.	OF 19 SHEETS

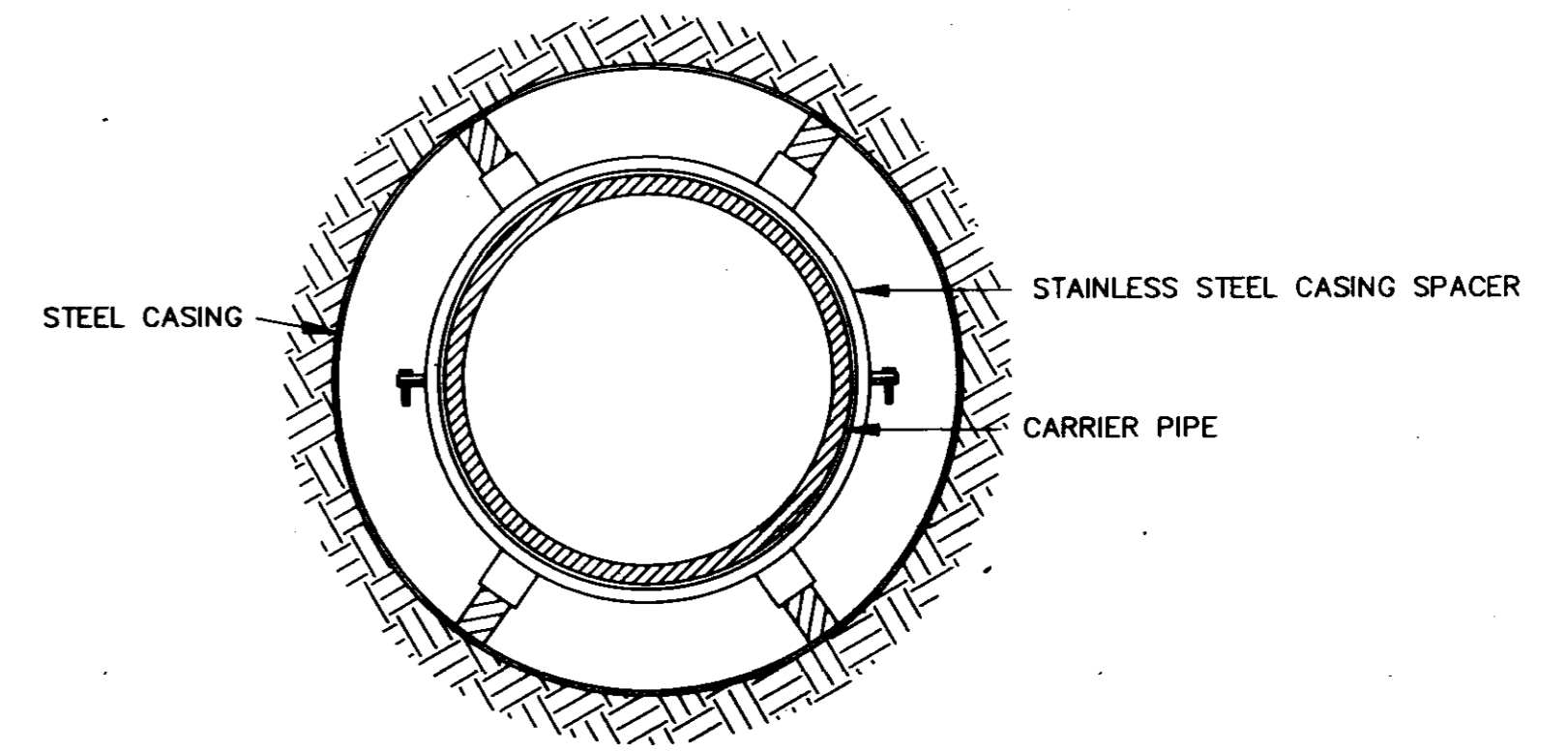


NOTE:
ALL MATERIALS FOR CONSTRUCTION OF BLOW-OFF ASSEMBLY SHALL BE OF 2" GALVANIZED FITTINGS & PIPE. 2" GATE VALVE CONSTRUCTED OF BRASS.

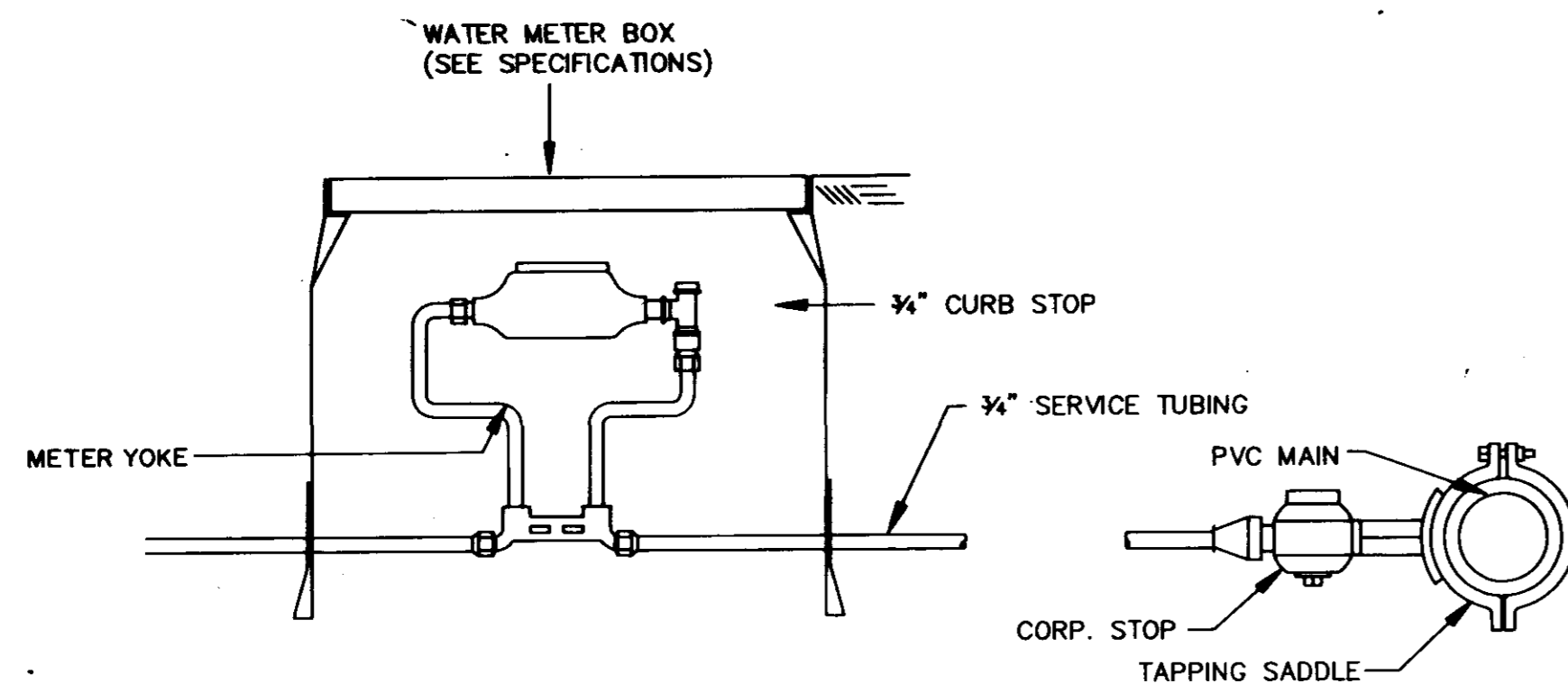
TYPICAL BLOW-OFF ASSEMBLY
N.T.S.



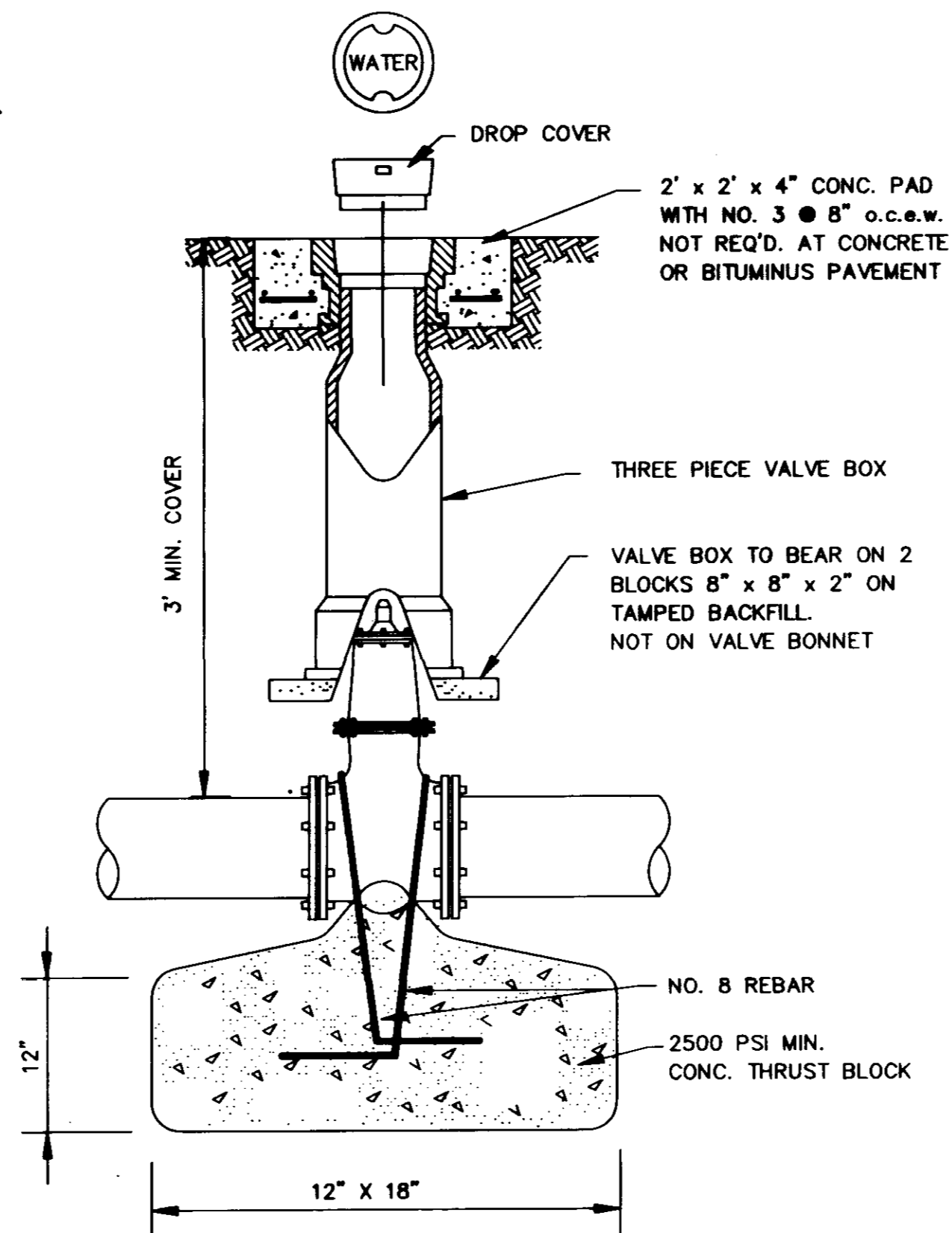
TYPICAL BORE SECTION
N.T.S.



BORE SECTION
N.T.S.



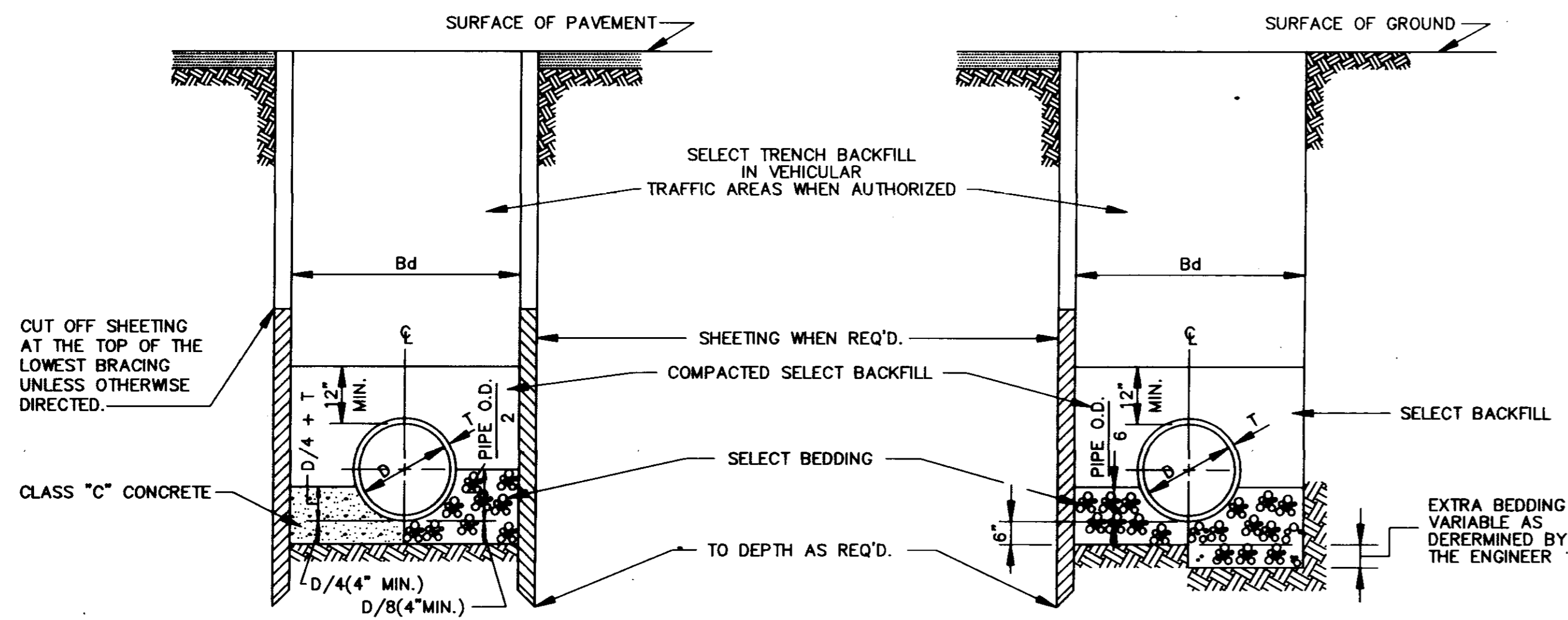
TYPICAL 3/4" WATER SERVICE
N.T.S.



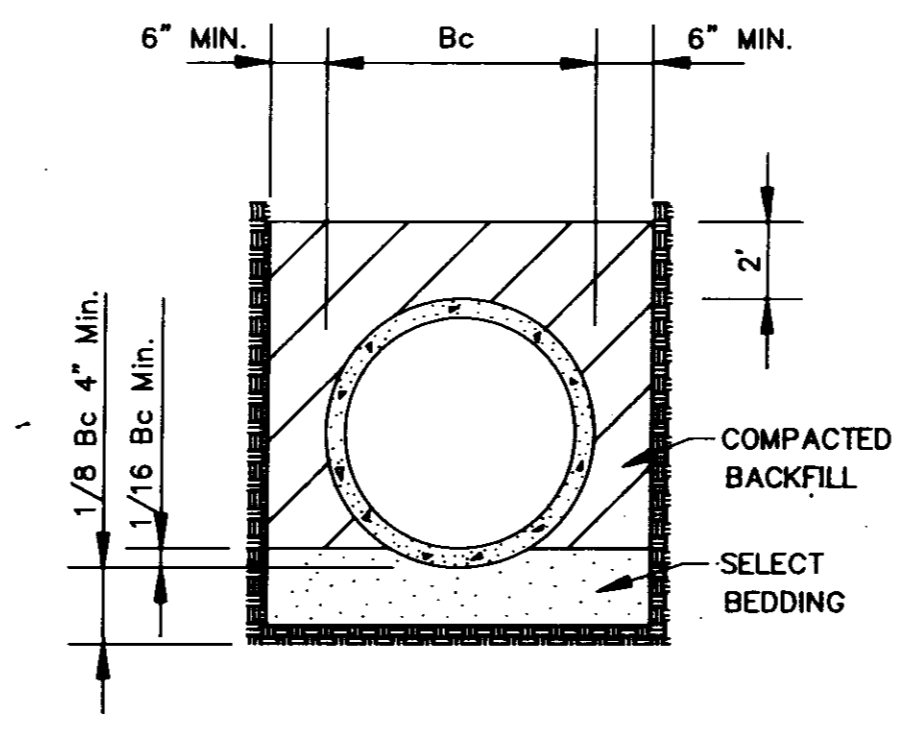
GATE VALVE DETAIL
N.T.S.

BY				CITY OF RIDGELAND, MS			
OWNER				JACKSON STREET			
PROJECT NUMBER				WATER/SEWER RELOCATIONS			
DRAWN BY				CITY OF RIDGELAND STD. DETAILS			
DATE				ENGINEERING SERVICE			
CONSULTING ENGINEERS				— JACKSON, MISSISSIPPI			
DATE	DRAWN BY	DATE: 2/91	91-R-8013	SHEET NO.	10		
CHECKED BY	SCALE: SHOWN	JOB NO.	OF 10 SHEETS				

DRAWING TAKEN FROM 12485



TYPICAL TRENCH DETAILS (FORCE MAIN)



CLASS "A" BEDDING

MATERIAL SHALL BE CLASS "C" CONCRETE CRADLES. THE PIPE SHALL BE LAID ON CONCRETE SADDLES CONSTRUCTED TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE PIPE WHILE THE CRADLE IS BEING PLACED. PIPE SUPPORTS OF WOOD BLOCKS, LOOSE BRICK, ETC., WILL NOT BE PERMITTED. THE CRADLE SHALL BE POURED AFTER THE JOINTS HAVE BEEN MADE, CARE BEING TAKEN TO PREVENT MOVEMENT OF THE PIPE. WHENEVER THE CONTRACTOR PLACES CONCRETE OUTSIDE THE DIMENSIONS SHOWN ON THE DRAWINGS, THE COST OF SUCH CONCRETE WILL BE AT THE CONTRACTOR'S EXPENSE.

CLASS "B" BEDDING

MATERIAL SHALL BE SELECT BEDDING AS SPECIFIED. MATERIAL SHALL BE CAREFULLY PLACED AND THOROUGHLY COMPACTED BY TAMPING.

CLASS "C" BEDDING (STANDARD BEDDING)

MATERIAL SHALL BE THE SAME AS FOR CLASS "B" BEDDING AND SHALL BE PLACED AS SHOWN BY STANDARD DETAILS FOR THE TYPE OF PIPE USED.

CLASS "A" BEDDING CLASS "B" BEDDING CLASS "B" BEDDING EXTRA BEDDING (FOR INADEQUATE SOIL BEARING CAPACITY) TO DEPTH AS REQ'D.

BEDDING FOR VITRIFIED CLAY, CONCRETE & ABS PIPE

TYPICAL TRENCH DETAILS
N.T.S.

TABLE "A"
PIPE SIZE

CARRIER PIPE (INCHES)	CASING PIPE	
	DIA (INCHES)	STEEL PIPE WALL THICK
8	16	1/4"
10	20	5/16"
12	24	3/8"
14 & 16	30	1/2"
18	36	1/2"
24	36	1/2"
30	54	1/2"
36	54	1/2"
42	66	SEE TABLE "B"
48	72	-
54	78	-
60	84	-
66	96	-
72	108	-
84	120	-
96	144	-

TABLE "B"
GAGES OF LINER PLATE FOR CONTINUOUS LOAD-CARRYING STRUCTURES

NOMINAL DIA. (INCHES)	HEIGHT OF COVER (FEET)									
	4-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50
48	12	12	12	12	12	12	12	12	12	10
54	12	12	12	12	12	12	12	12	10	8
60	12	12	12	12	12	12	12	12	8	7
66	12	12	12	12	12	10	8	8	5	5
72	12	12	12	12	10	8	7	5	5	5
78	12	12	12	10	8	7	5	5	5	5
84	12	12	12	10	8	5	5	5	5	5
96	12	10	10	10	8	5	5	5	5	5
108	10	10	10	8	7	5	5	5	5	5
120	10	10	10	8	7	5	5	5	5	3
144	8	8	8	8	5	5	3	1	1	1

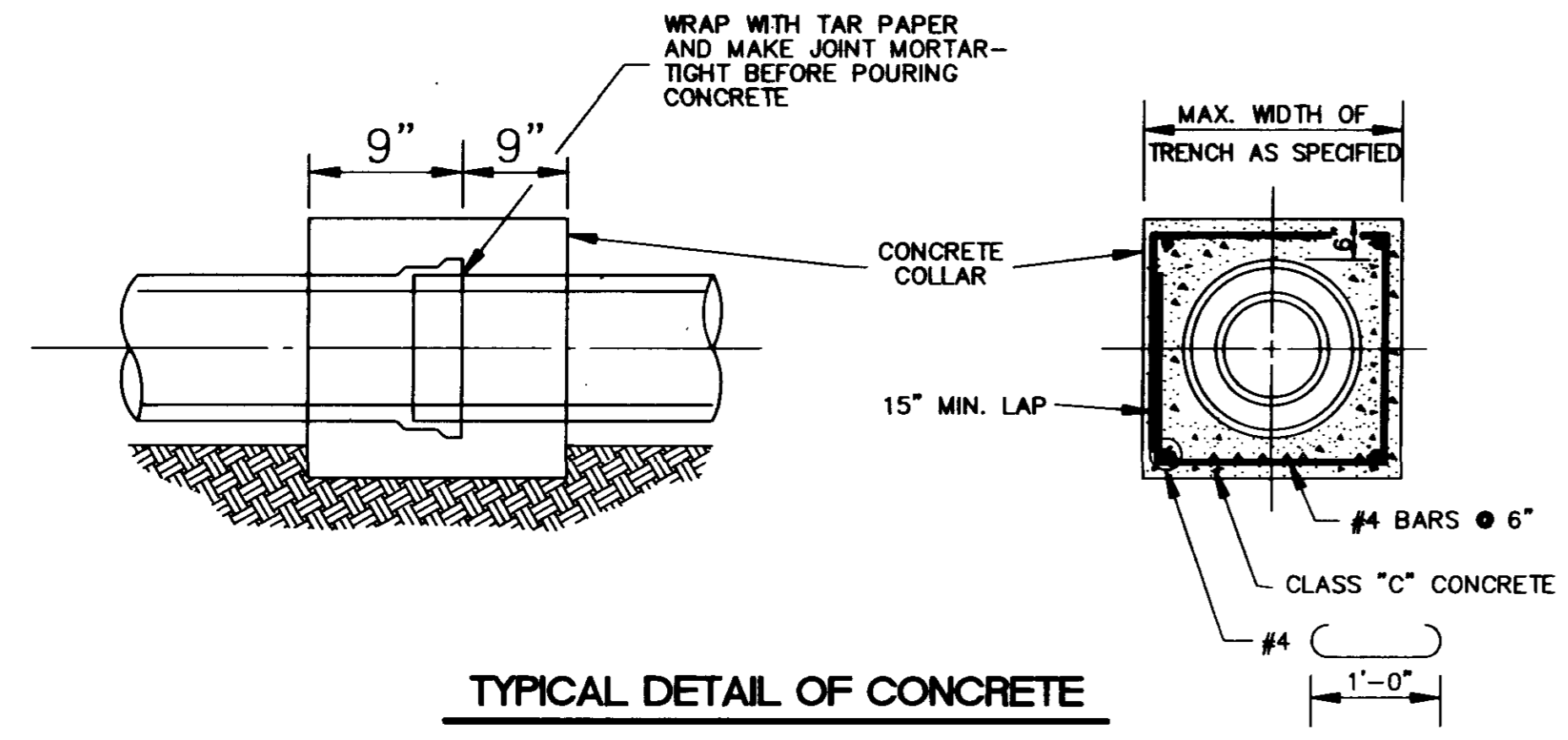
DUCTILE IRON
R.C.P.

SPIRAL WELDED STEEL
LINER PLATE

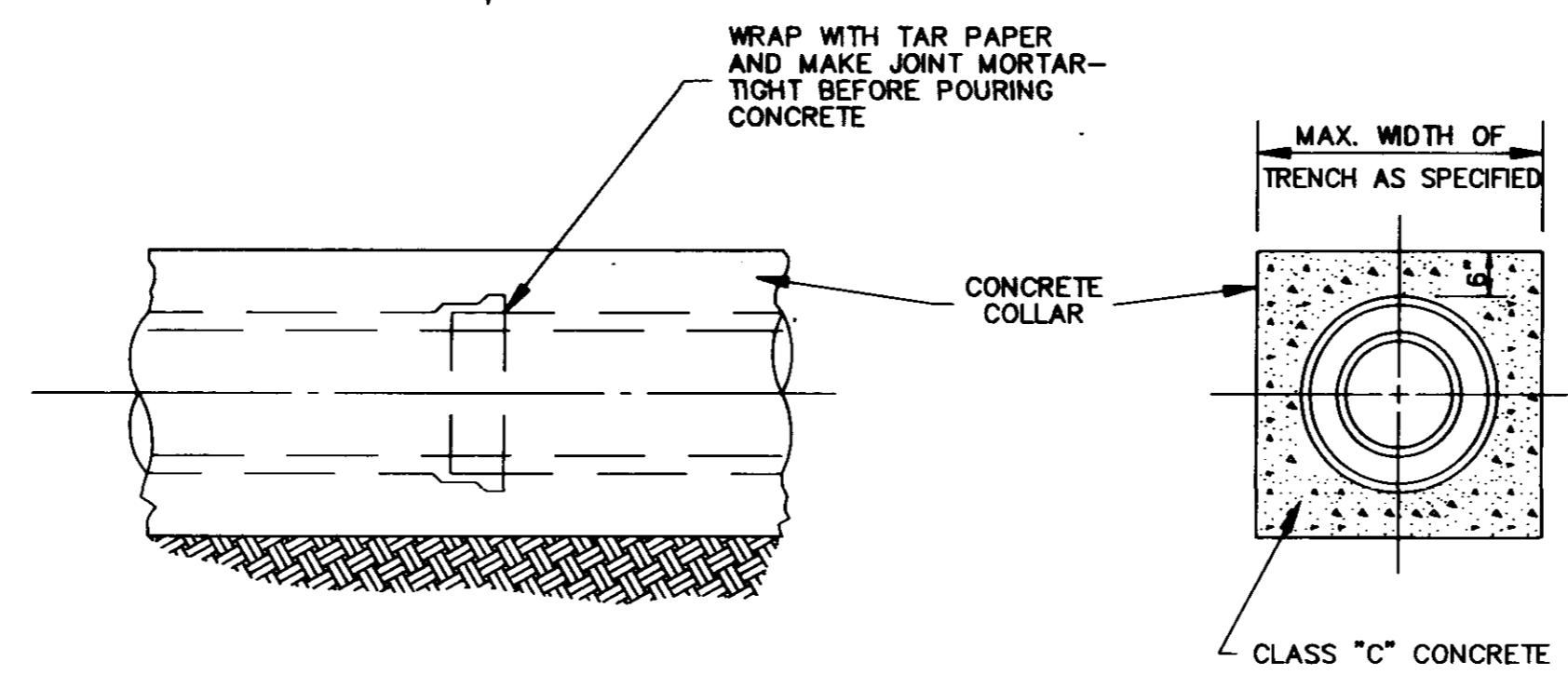
MIN. THICKNESS FOR LINER PLATE CASING IN RAILROAD CROSSING-10 GAGE

CASING PIPE

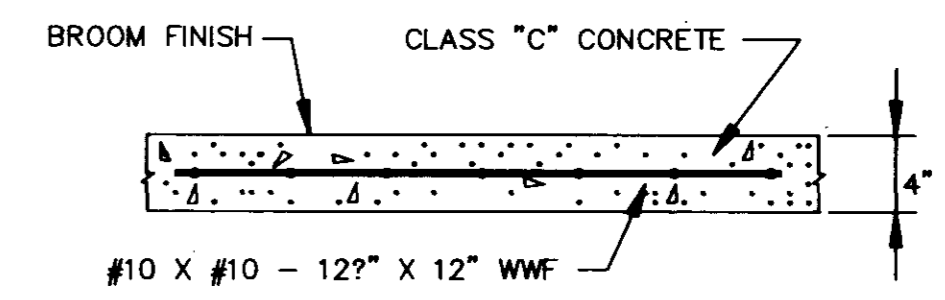
SIZE AND THICKNESS OF PIPE FOR RAILROAD & HIGHWAY CROSSING



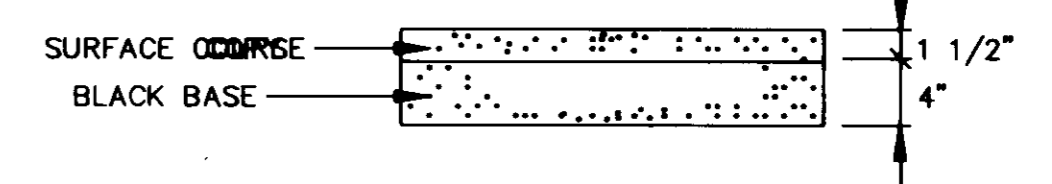
TYPICAL DETAIL OF CONCRETE COLLAR
N.T.S.



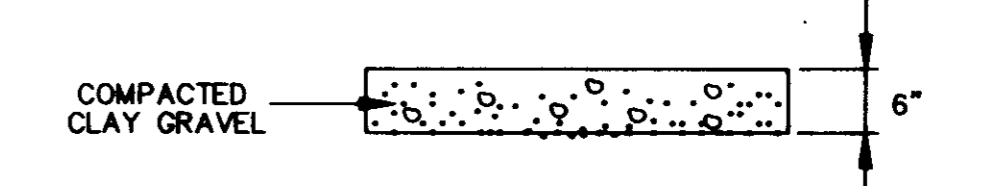
TYPICAL DETAIL OF CONCRETE ENCASEMENT
N.T.S.



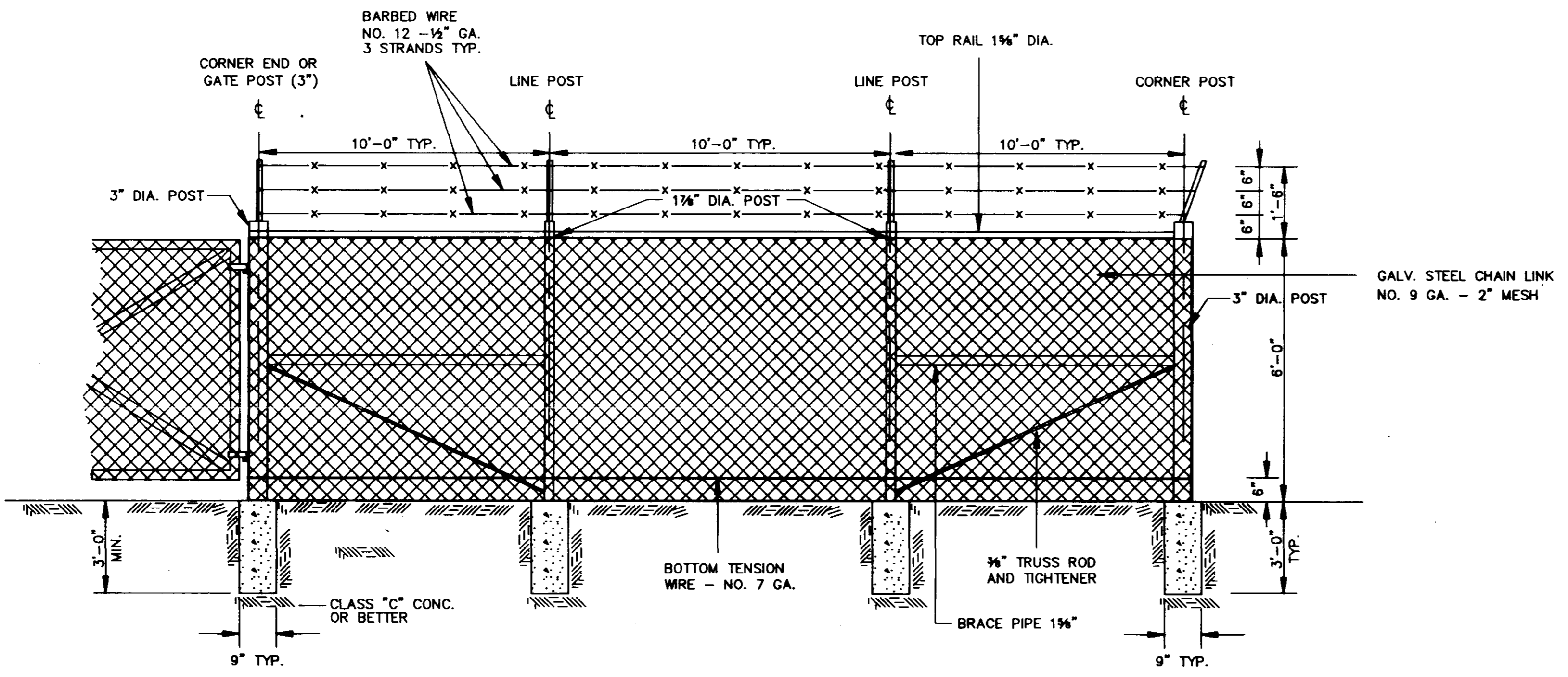
TYPICAL CONC. DRIVEWAY AND SIDEWALK REPAIR



TYPICAL ASPHALT DRIVEWAY REPAIR

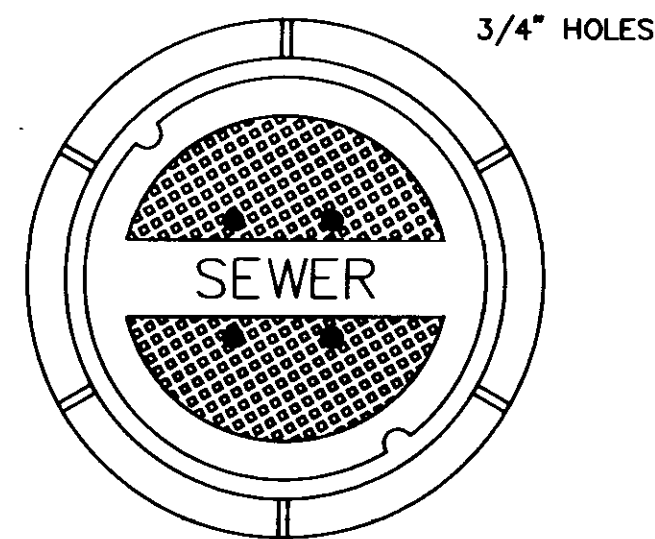


TYPICAL GRAVEL DRIVEWAY REPAIR



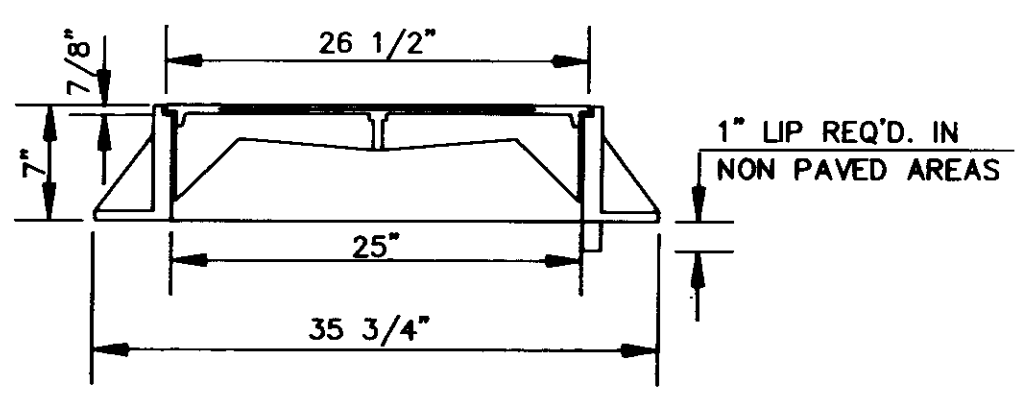
CHAIN LINK FENCE DETAIL
N.T.S.

BY		CITY OF RIDGELAND, MS	
REVISION		JACKSON STREET	
		WATER/SEWER RELOCATIONS	
		CITY OF RIDGELAND STD. DETAILS	
		ENGINEERING SERVICE	
		CONSULTING ENGINEERS - JACKSON, MISSISSIPPI	
NO.	DATE	DRAWN BY W.E.M.	DATE: 2/91
		CHECKED BY M.J.A.	SCALE: SHOWN
		91-R-8013	SHEET NO. 17
		JOB NO.	OF 19 SHEETS

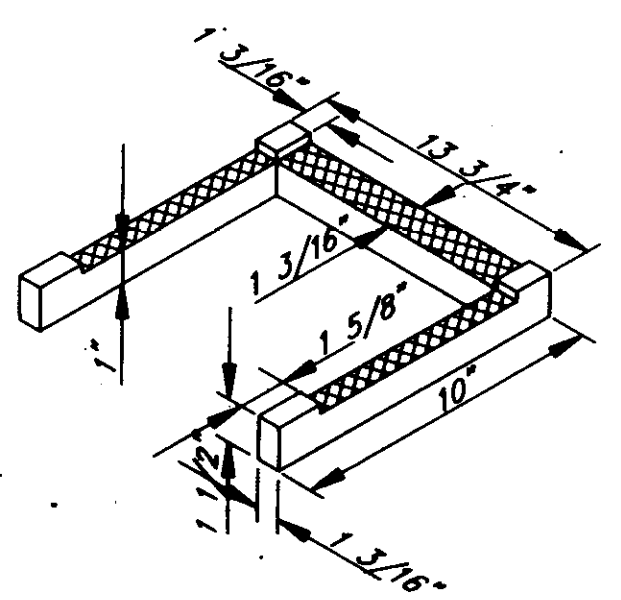


TOP PLAN OF COVER

FRAME & COVER WEIGHT 420 LBS.



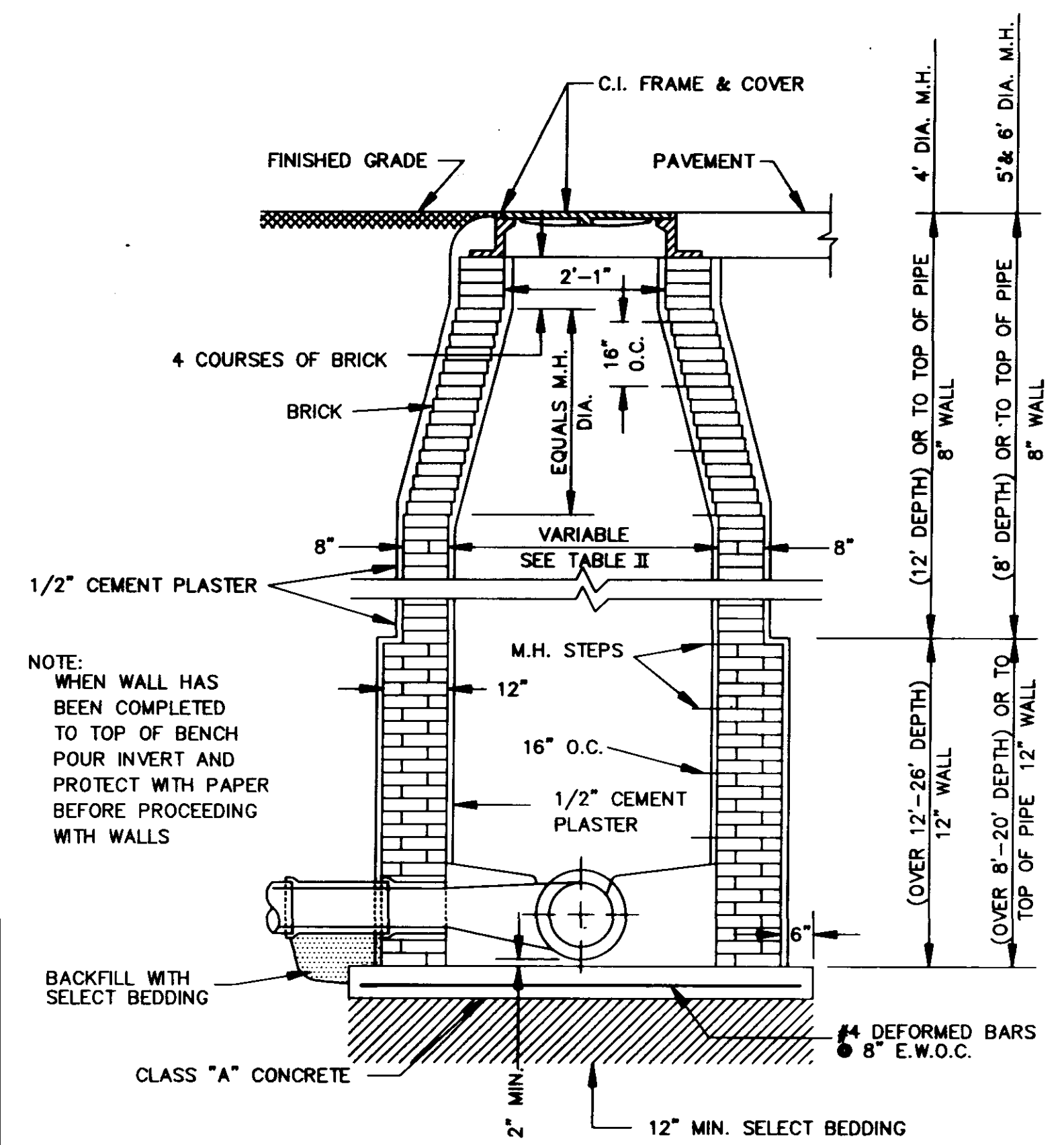
SECTION



DETAIL 'B'

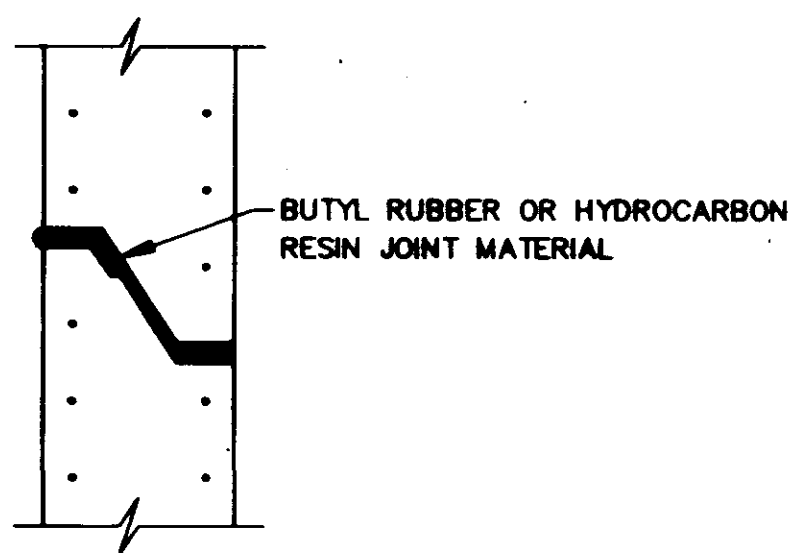
STANDARD MANHOLE FRAME AND COVER

N.T.S.



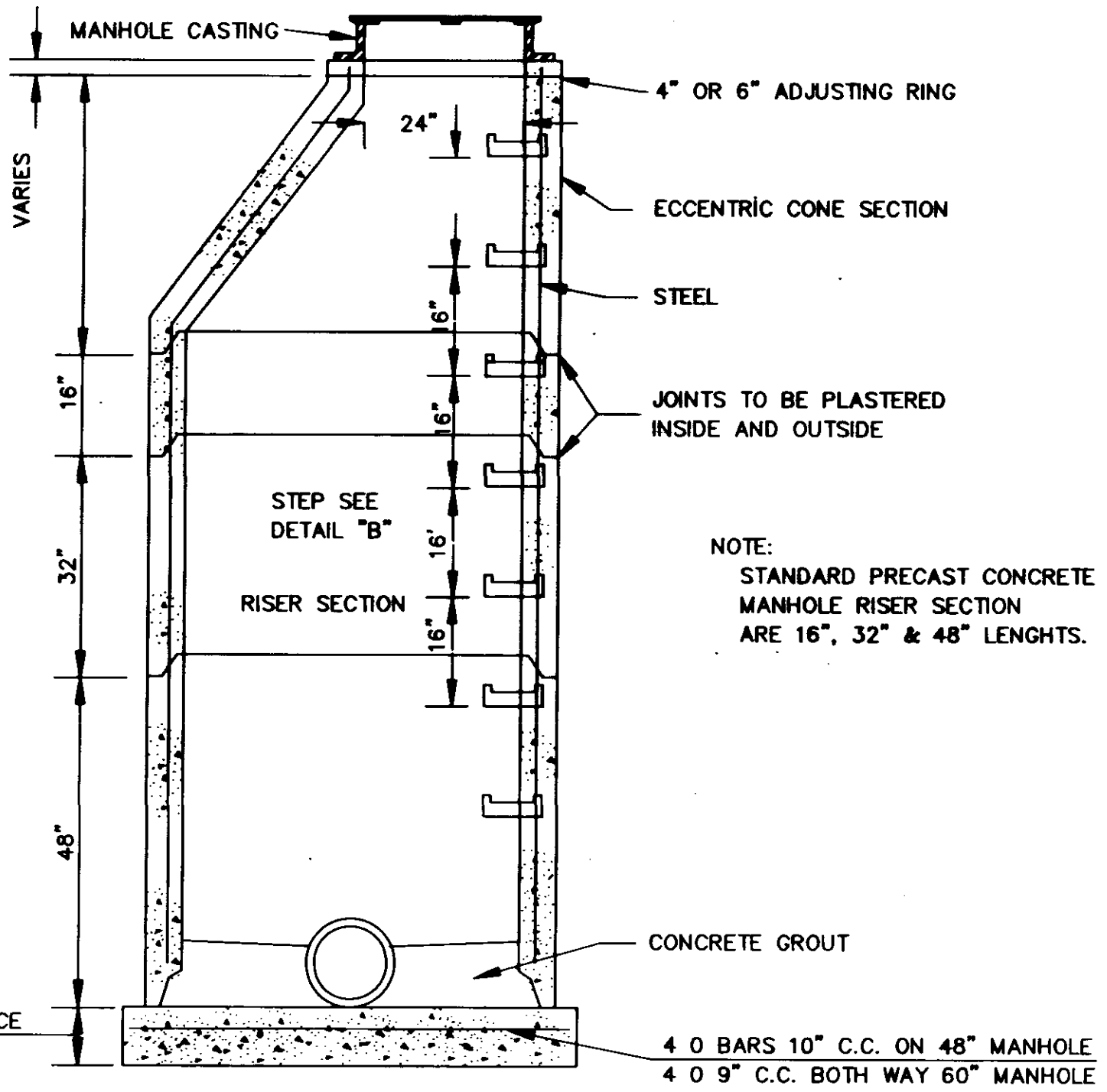
STANDARD BRICK MANHOLE

N.T.S.



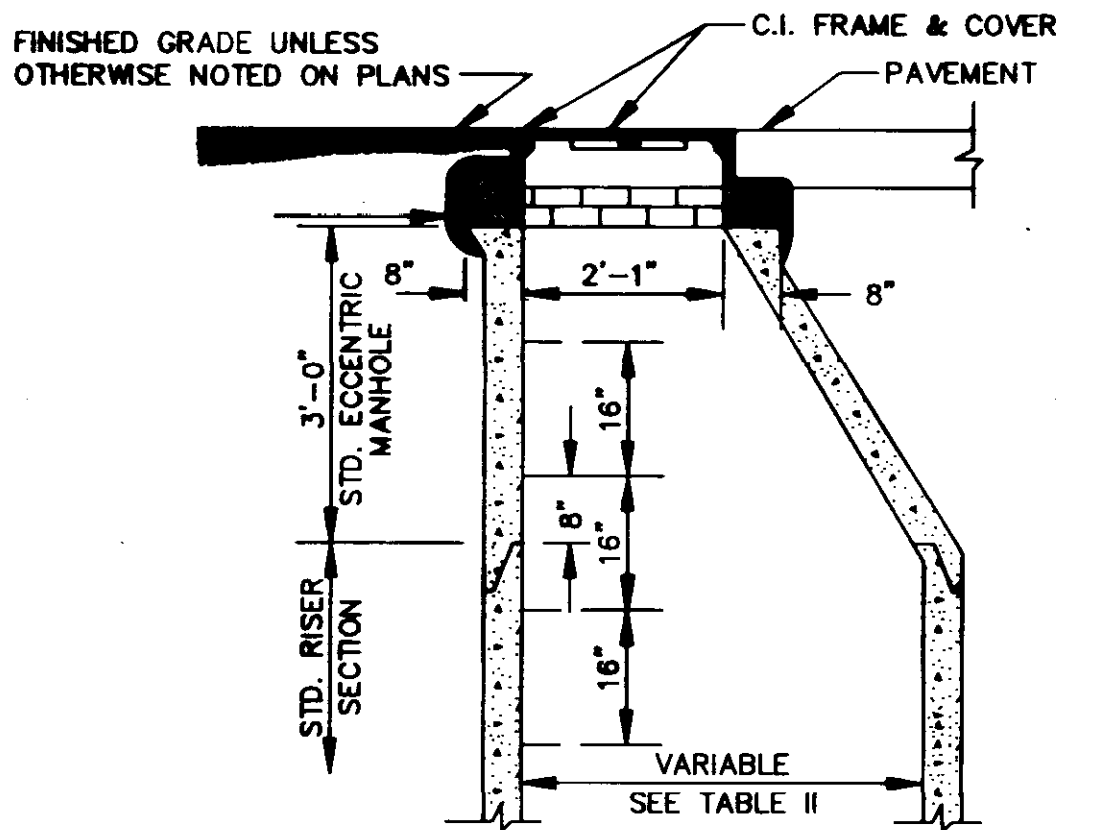
TYPICAL PRECAST CONCRETE MANHOLE JOINT DETAIL

N.T.S.



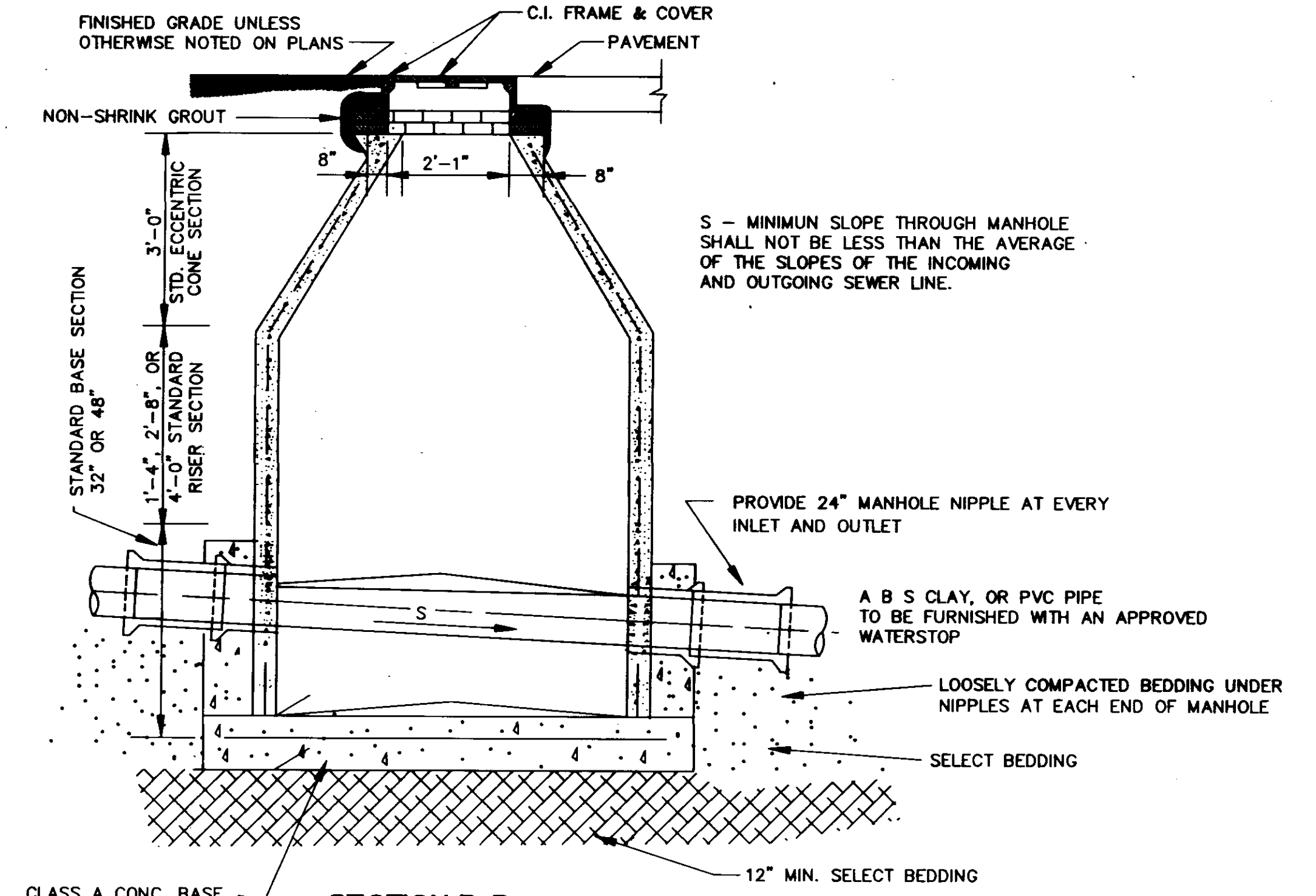
SECTION OF PRECAST CONCRETE MANHOLE

N.T.S.



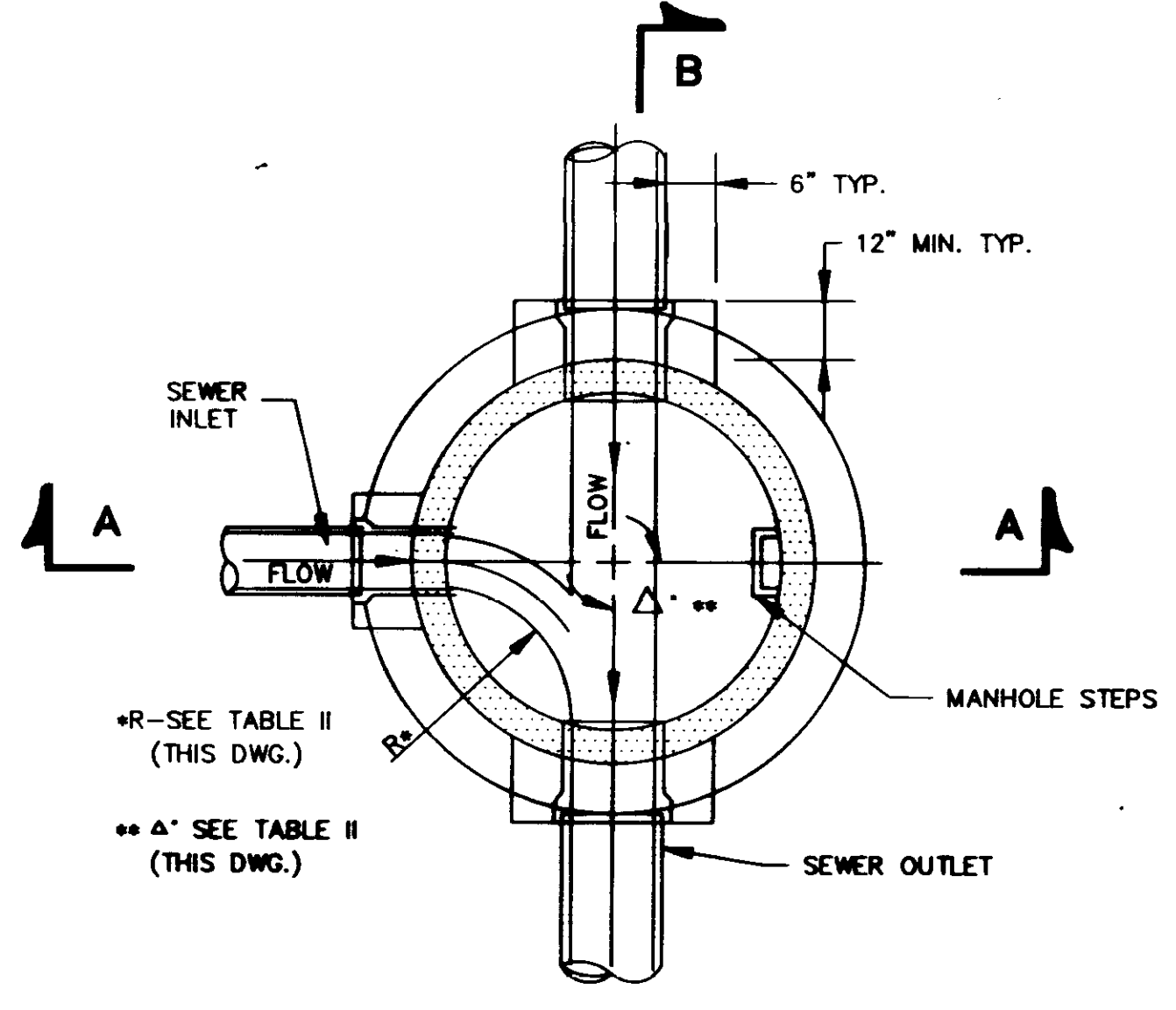
STANDARD ECCENTRIC CONE FOR ALL DIAMETER MANHOLES

N.T.S.



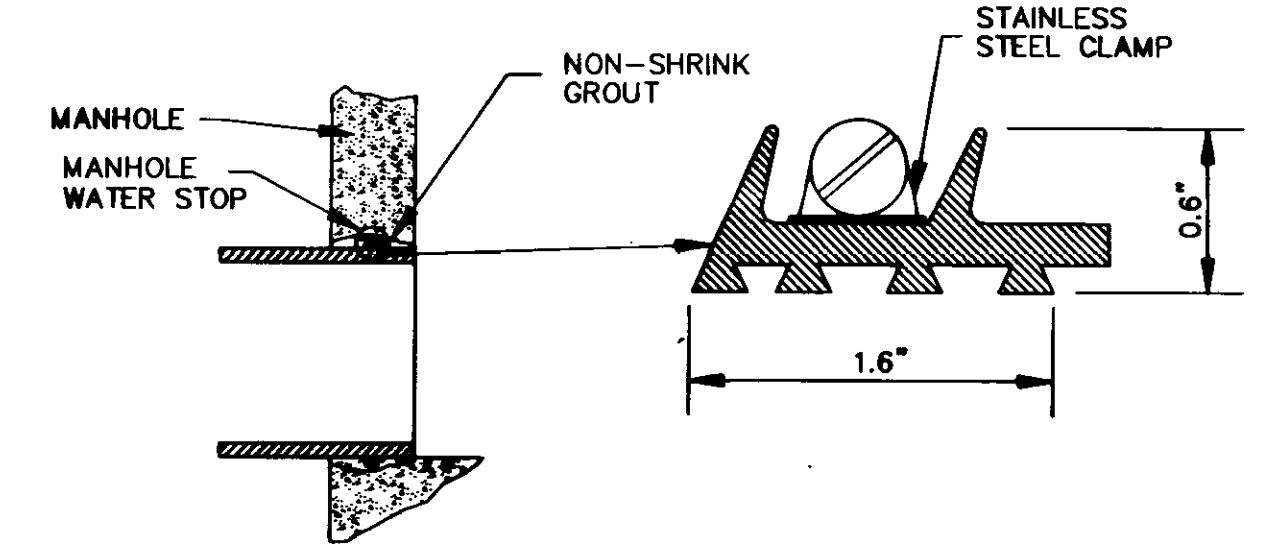
SECTION B-B

N.T.S.



SECTIONAL PLAN STANDARD MANHOLE

N.T.S.



TYPICAL MANHOLE WATER STOP FOR ABS, CLAY OR PVC PIPE

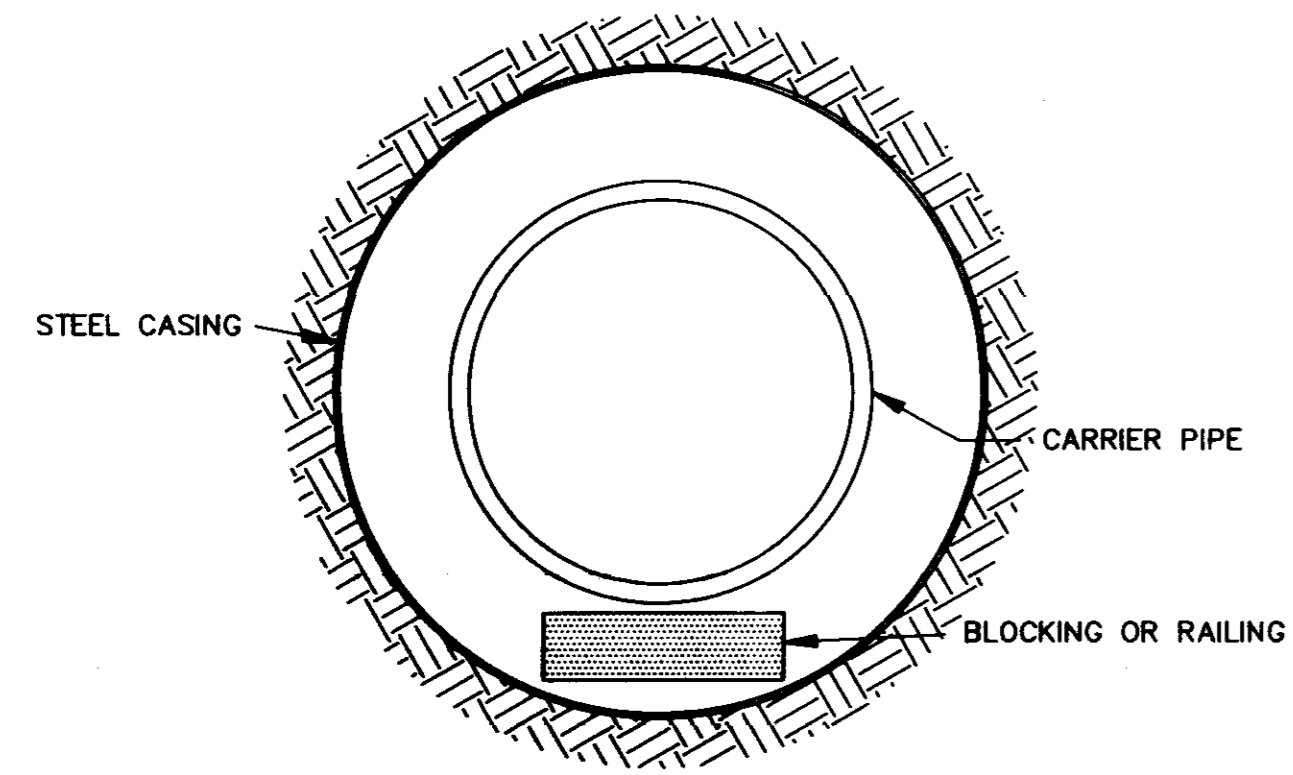
EXISTING AND "STRADDLE" MANHOLES N.T.S.

NOTE: DETAILS FOR RISER & BASE SECTIONS ARE SAME AS SHOWN IN SECTIONS A-A B-B.

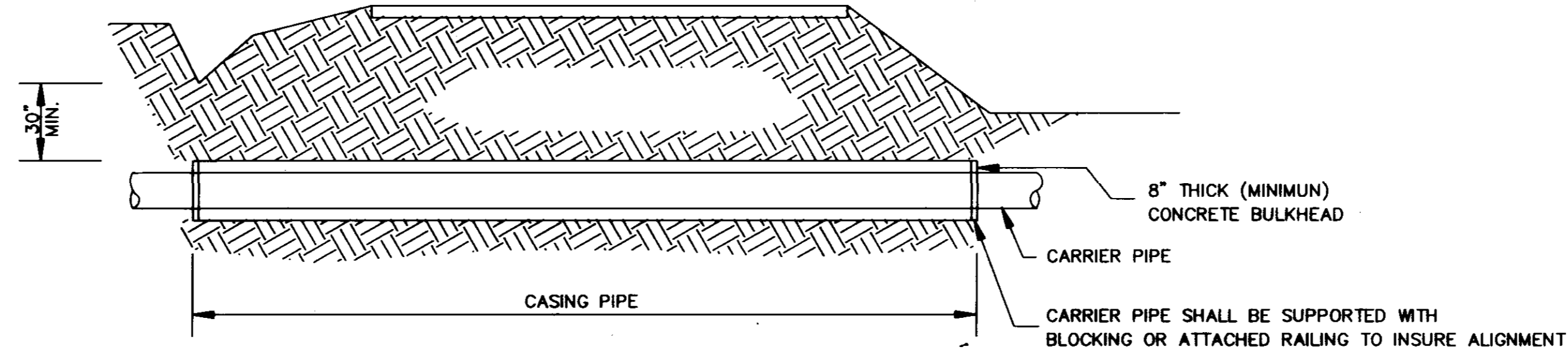
*R-SEE TABLE II (THIS DWG.)
** Δ SEE TABLE II (THIS DWG.)

CITY OF RIDGELAND, MS			
OWNER			
JACKSON STREET WATER/SEWER RELOCATIONS		PROJECT NUMBER	
CITY OF RIDGELAND STD. DETAILS			
ENGINEERING SERVICE			
CONSULTING ENGINEERS — JACKSON, MISSISSIPPI			
DATE	DRAWN BY	DATE: 2/91	SHEET NO
2/91		SCALE: SHOWN	18
CHECKED BY		JOB NO.	OF 19 SHEETS

DRAWING 7724 FROM 1385



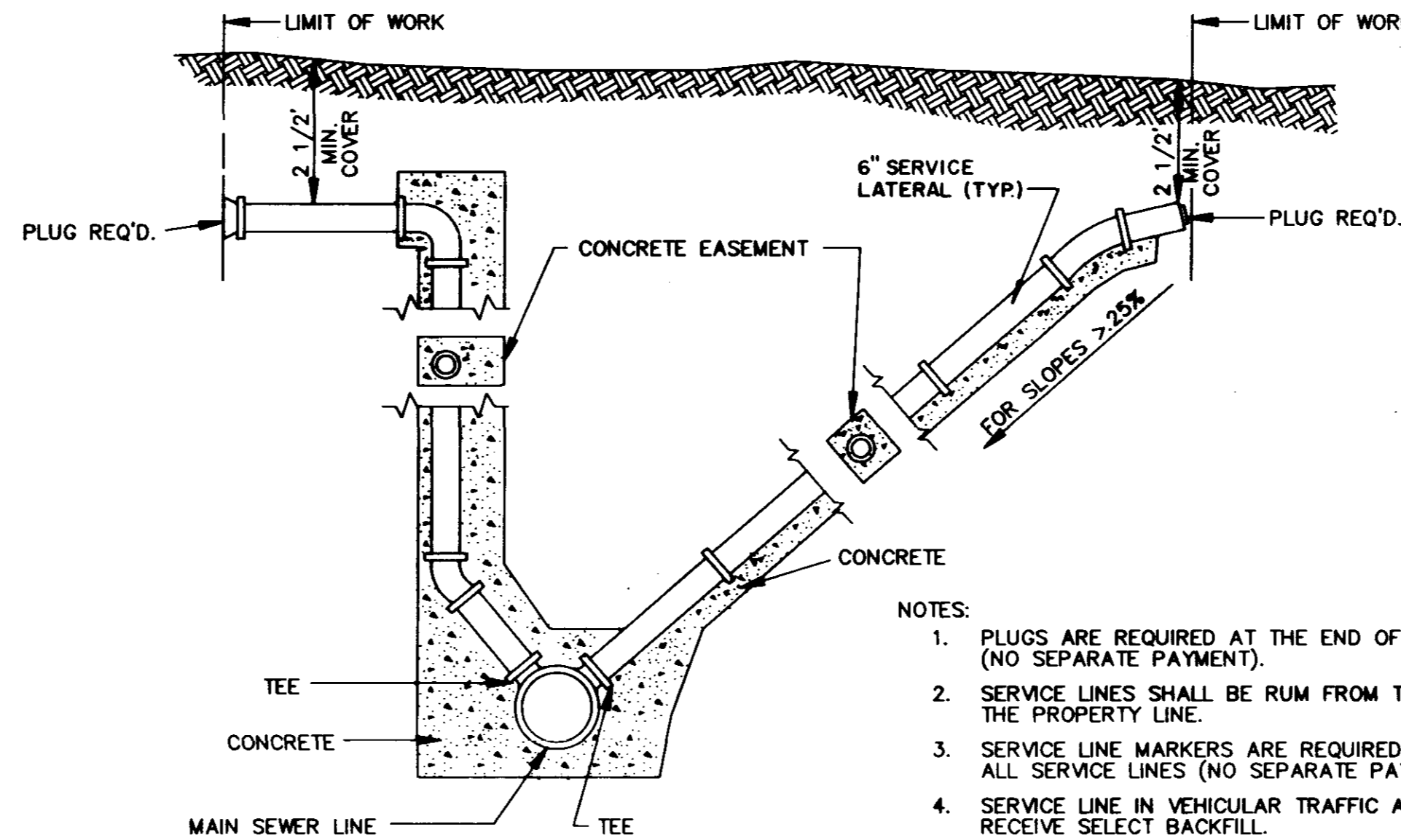
BORE SECTION
N.T.S.



TYPICAL BORE SECTION
N.T.S.

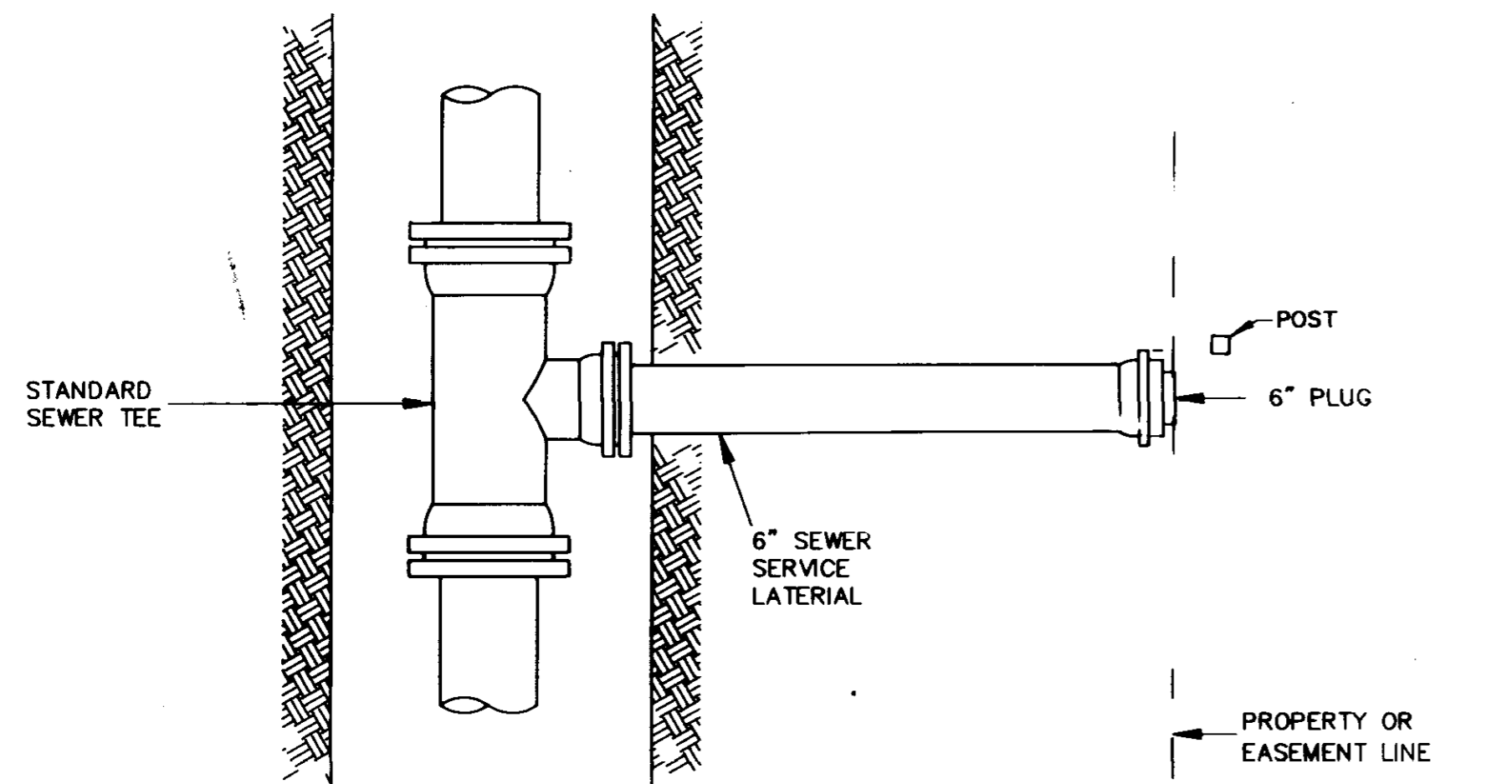
TABLE II GOVERNING DIMENSIONS FOR MANHOLES			
PIPE SIZE	Δ ANGLE	BASE DIAMETER **	"R" *
8" THRU 12"	0° TO 90°	4'	1'- 6"
15"	0° TO 60°	4'	1'- 10"
15"	60° TO 90°	4'	1'- 10"
18"	0° TO 60°	4'	2'- 3"
18"	60° TO 90°	4'	1'- 10"
21"	0° TO 60°	4'	2'- 7"
21"	60° TO 90°	5'	2'- 4"
24"	0° TO 45°	4'	3'- 0"
24"	45° TO 90°	5'	2'- 3"
30"	0° TO 60°	5'	3'- 9"
30"	60° TO 90°	6'	2'- 8"
36"	0° TO 60°	6'	4'- 6"
36"	60° TO 90°	7'	3'- 11"
42"	0° TO 60°	7'	5'- 3"
42"	60° TO 90°	8'	4'- 7"
48"	0° TO 60°	8'	6'- 0"
48"	60° TO 90°	9'	5'- 3"

* SEE SECTIONAL PLAN, STANDARD MANHOLE
** PRECAST MANHOLE

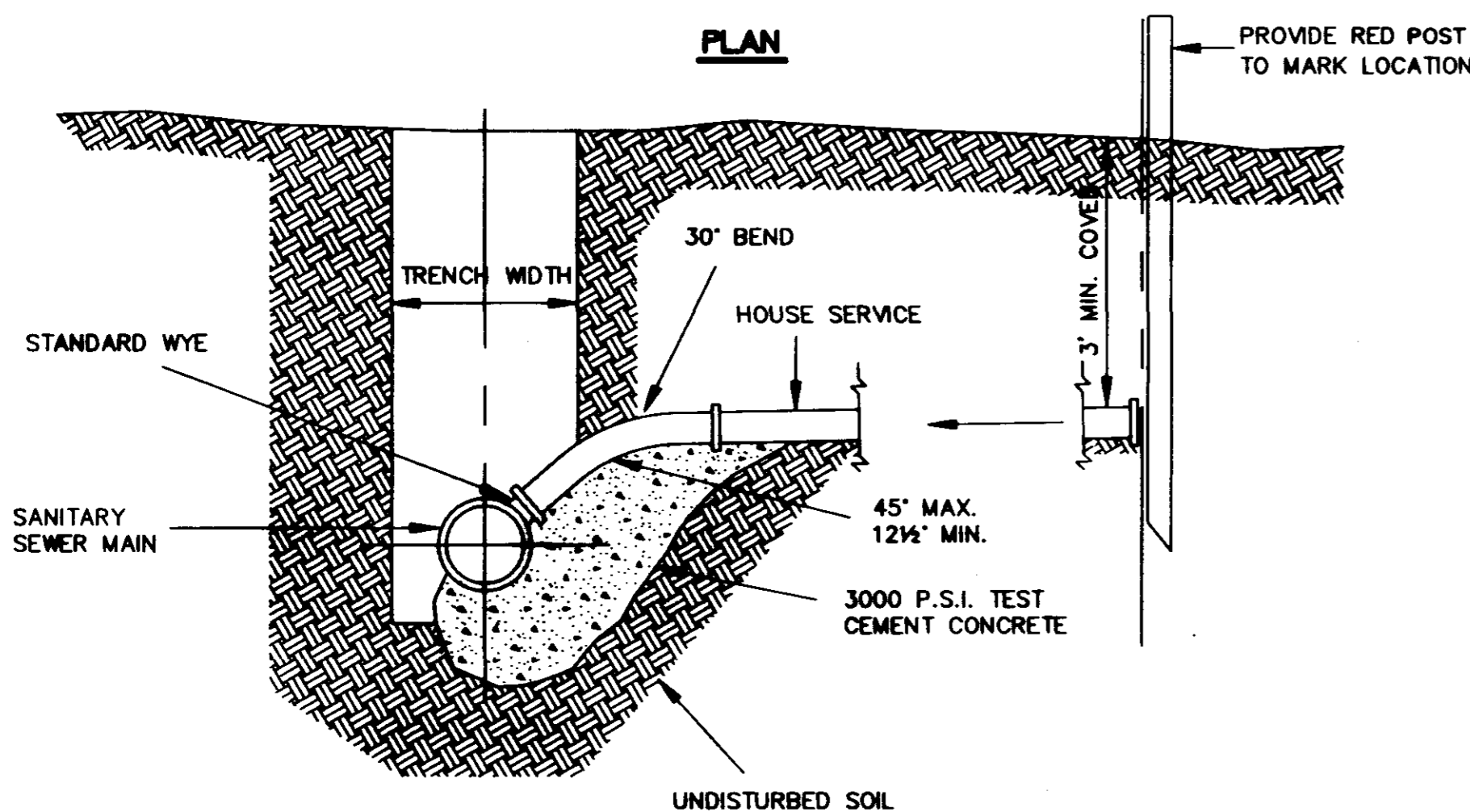


- NOTES:
1. PLUGS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
 2. SERVICE LINES SHALL BE RUM FROM THE SEWER LINES TO THE PROPERTY LINE.
 3. SERVICE LINE MARKERS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
 4. SERVICE LINE IN VEHICULAR TRAFFIC AREA SHALL RECEIVE SELECT BACKFILL.
 5. WHEN MINIMUM COVER CAN NOT BE OBTAINED DUCTILE IRON PIPE SHALL BE USED.

SERVICE CONNECTION FOR DEEP SEWER
N.T.S.

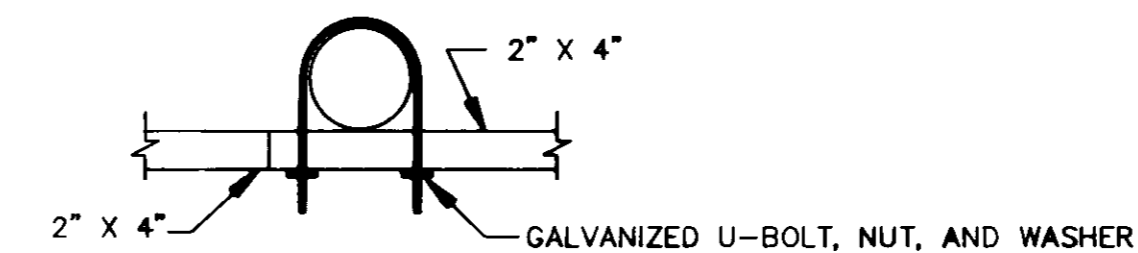


PLAN

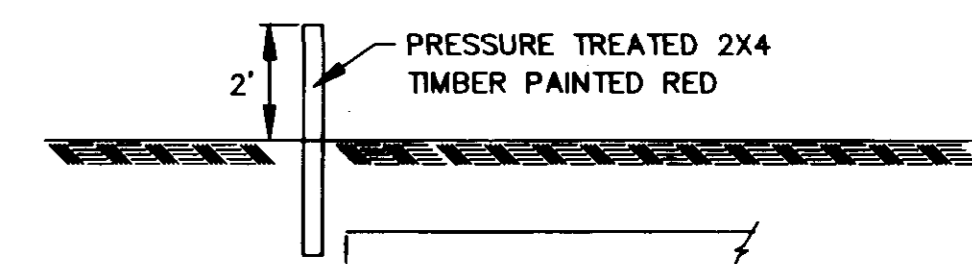


ELEVATION

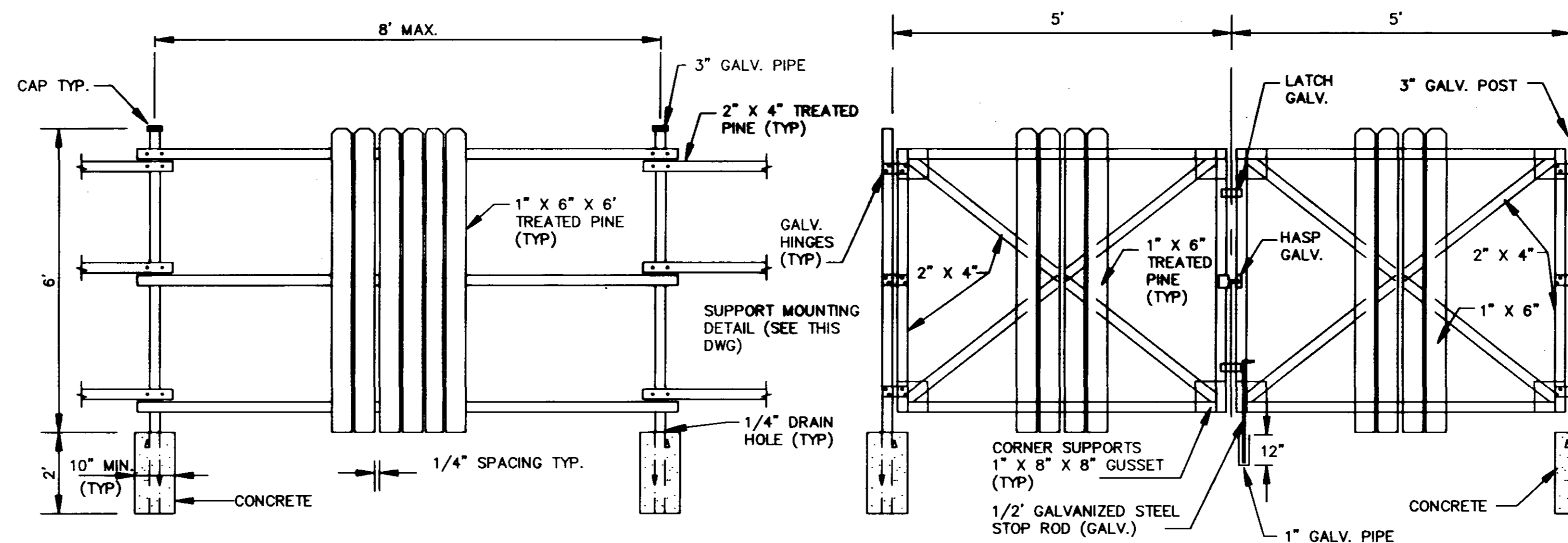
SEWER SERVICE CONNECTION
N.T.S.



SUPPORT MOUNTING DETAIL
N.T.S.



SERVICE LINE MARKER
(NO SEPARATE PAYMENT)
N.T.S.



FENCE DETAIL
N.T.S.

GATE DETAIL
N.T.S.

BY				CITY OF RIDGELAND, MS	
REVISION				OWNER	
DATE				JACKSON STREET	
NO.				WATER/SEWER RELOCATIONS	
				PROJECT NUMBER	
				CITY OF RIDGELAND STD. DETAILS	
				ENGINEERING SERVICE	
				CONSULTING ENGINEERS — JACKSON, MISSISSIPPI	
DRAWN BY		DATE: 2/91		SHEET NO	
CHECKED BY		SCALE: SHOWN		91-R-8013 19	
		JOB NO.		OF 19 SHEETS	