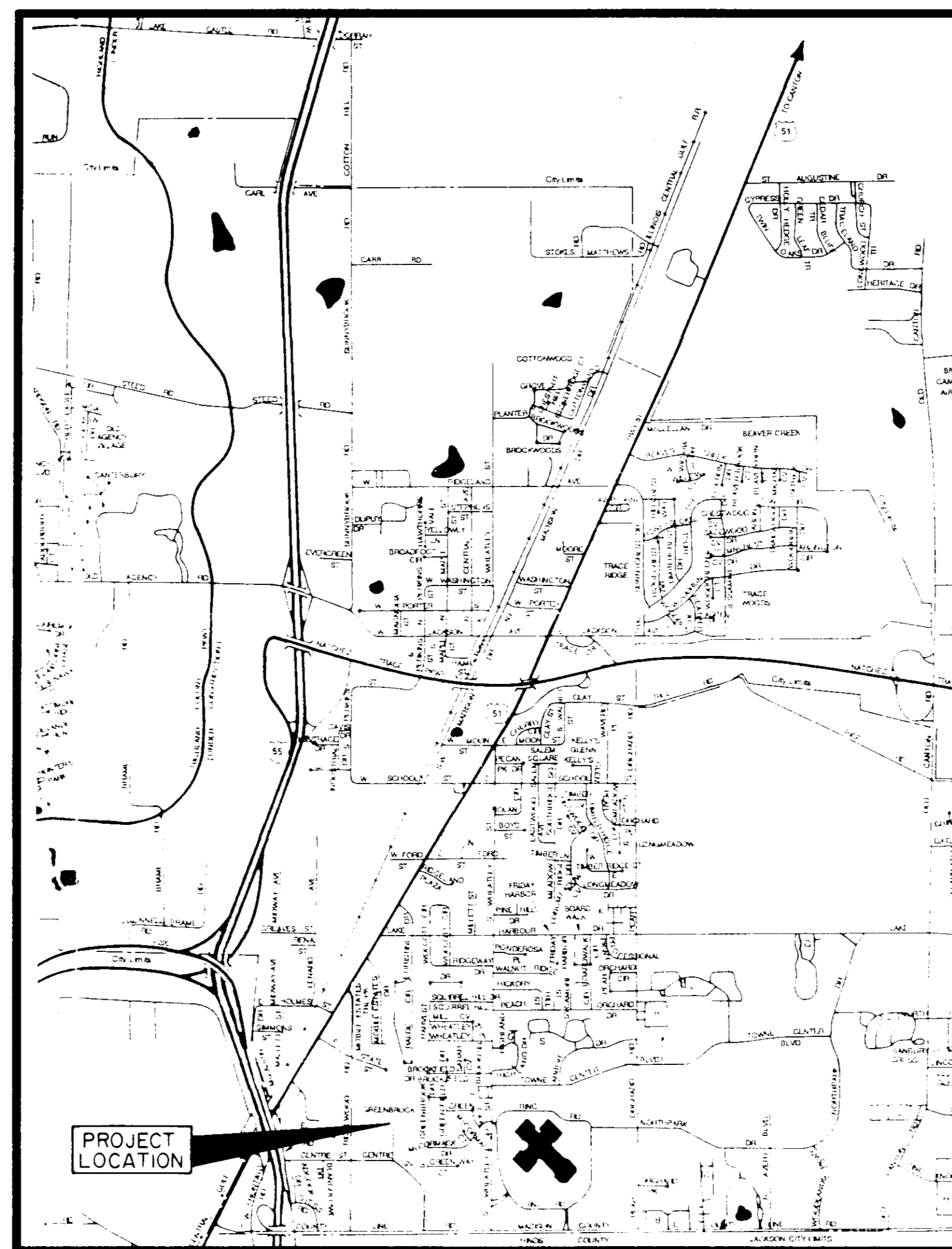


CONTRACT DRAWINGS FOR WILSON DRIVE EXTENSION PHASE TWO

CITY OF RIDGELAND, MADISON COUNTY, MISSISSIPPI CONSTRUCTION PLANS FOR STREET, DRAINAGE, SANITARY SEWER, & WATER SYSTEM

INDEX TO DRAWINGS

COVER SHEET	1
GENERAL LAYOUT	2
PLAN PROFILE SHEETS	3 - 5
STANDARD DETAIL SHEETS	6 - 9



VICINITY MAP

RECEIVED
JUL 01 1998

PUBLIC WORKS DEPT.

OFFICE COPY

PLANS REVIEW

Public Works Director _____

Building Official *Jam ck no comment*

Traffic Engineer *ASW 7-10-98*

Drainage Engineer *ASW 7-7-98 welcome it*

Fire Official *B.H. 7-10-98*

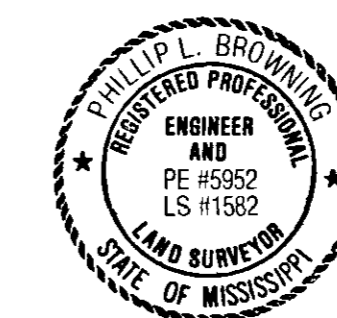
Site plans will not go forward to the Architectural Review Board or the Mayor and Board of Aldermen prior to the above review.

SUMMARY OF QUANTITIES

ITEM	ESTIMATED QUANTITY	UNIT
WATER DISTRIBUTION SYSTEM		
CONNECTION TO EXISTING WATER MAIN	1	EA
8" WATER MAIN C-900, CLASS 150	1,300	LF
8" X 8" X 8" TEE	5	EA
8" GATE VALVE WITH BOX	5	EA
6" FIRE HYDRANT WITH GATE VALVE	4	EA
1" SERVICE LINE	360	LF
SERVICE ASSEMBLY	12	EA
SERVICE MARKER	12	EA
8" - BEND	3	EA
STORM WATER POLLUTION PREVENTION		
STORM WATER POLLUTION PREVENTION	1	LS
SANITARY SEWER SYSTEM		
CONNECTION TO EXISTING MAIN	2	EA
8" GRAVITY SANITARY SEWER	1047	LF
8" GRAVITY SANITARY SEWER (0' - 4')	83	LF
8" GRAVITY SANITARY SEWER (4' - 6')	390	LF
8" GRAVITY SANITARY SEWER (6' - 8')	500	LF
8" GRAVITY SANITARY SEWER (8' - 10')	74	LF
48" STANDARD MANHOLE (0' - 4')	1	EA
48" STANDARD MANHOLE (4' - 6')	1	EA
48" STANDARD MANHOLE (6' - 8')	3	EA
48" STANDARD MANHOLE (8' - 10')	2	EA
UNDERCUT AND SELECT BACKFILL	100	CY
6" SANITARY SEWER SERVICE	360	LF
6" SERVICE TEE	12	EA
SERVICE MARKER	12	EA
STREETS AND DRAINAGE		
EXCAVATION (STREET)	7,200	CY
EXCAVATION (CHANNEL)	1,500	CY
CURB INLET	2	EA
18" REINFORCED CONCRETE PIPE	32	LF
24" REINFORCED CONCRETE PIPE	210	LF
SUB - BASE PREPARATION	4,550	SY
5" ASPHALTIC BASE COURSE	4,000	SY
1 1/2" ASPHALTIC SURFACE COURSE	4,000	SY
CONCRETE CURB AND GUTTER	2,550	LF
GRASS PLANTING		
SEEDING	1	AC

Browning Engineering, Co.

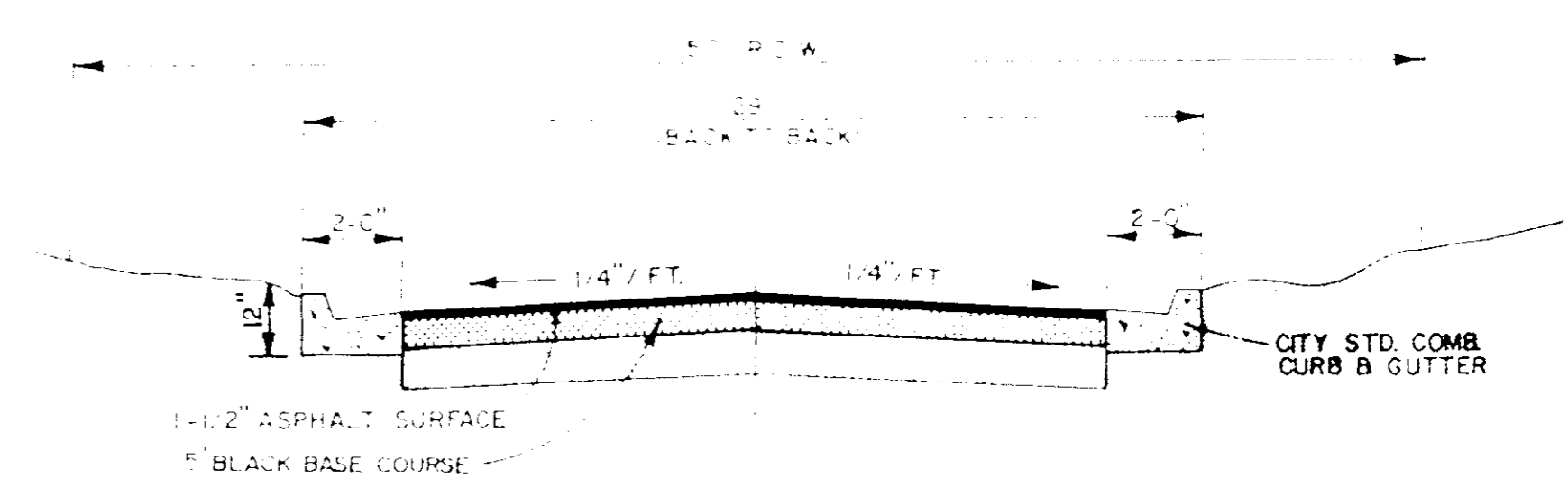
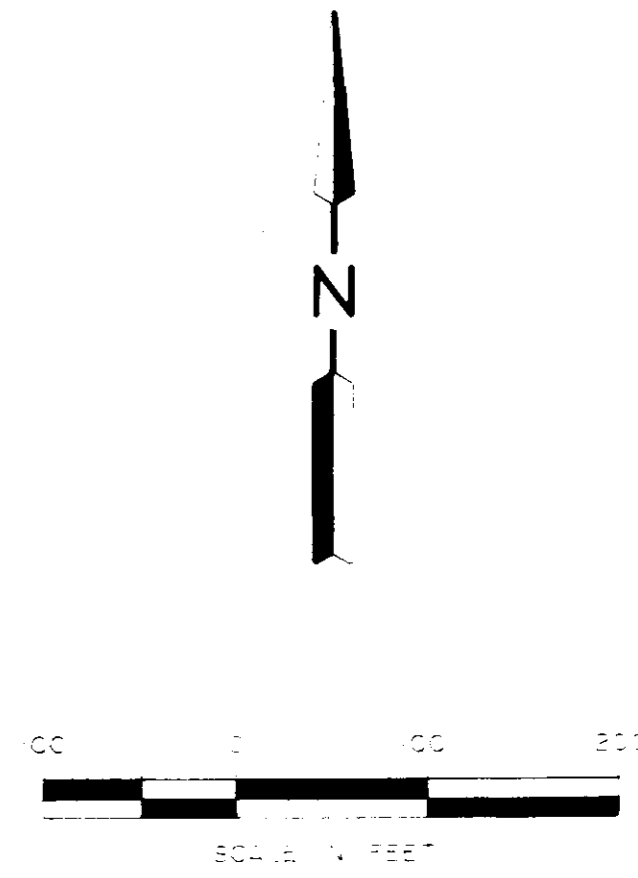
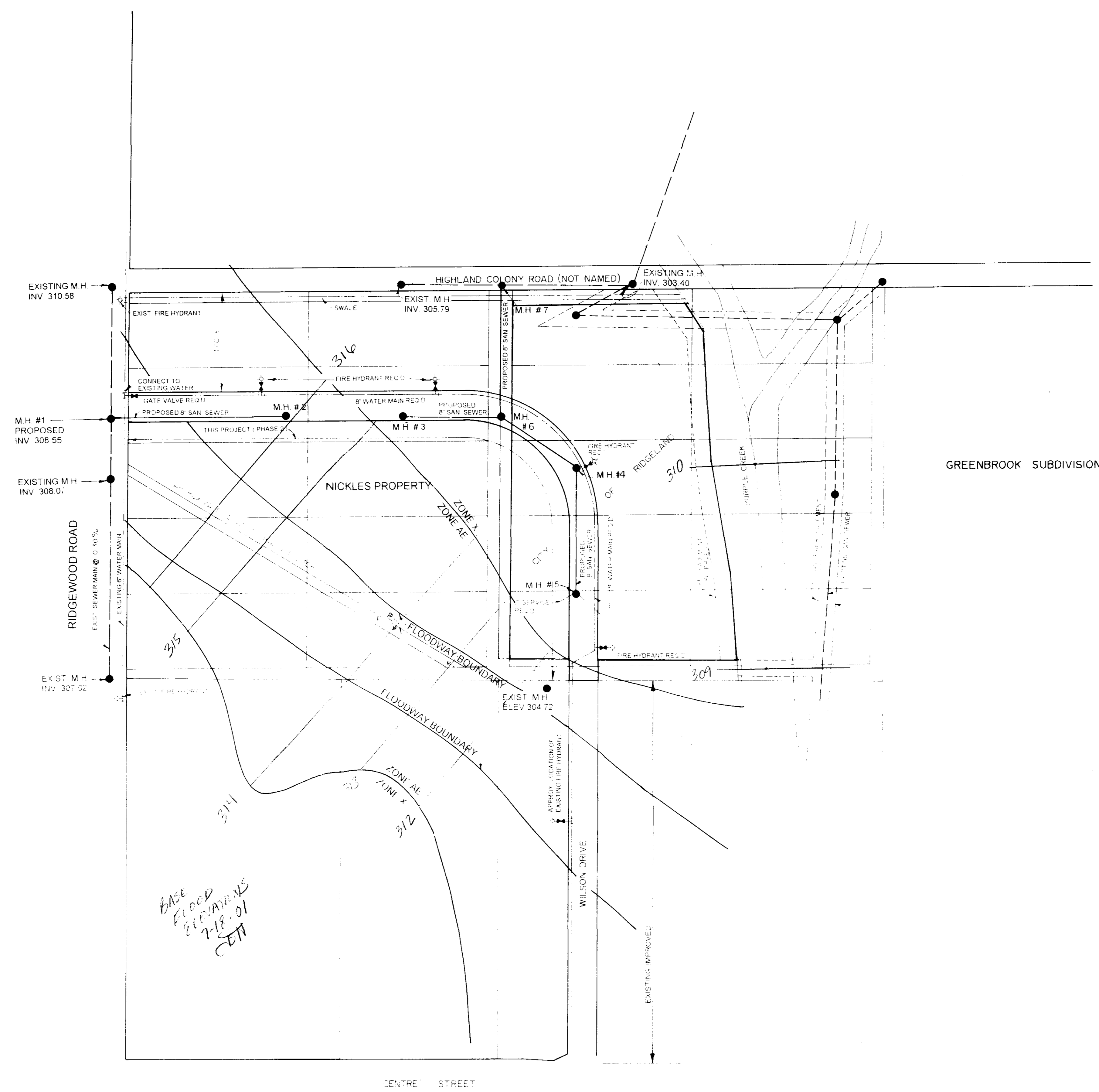
CONSULTING ENGINEERS - SURVEYORS
P.O. Box 1271
1056 Ridgewood Place
Jacksboro, Mississippi 39211
PH: (601) 357-3500



Phillip L. Browning
Phillip L. Browning, P.E.,

Date: 6/24/98
P.E. No. 5952

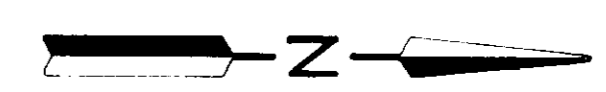
PWP-05034



TYPICAL STREET SECTION

NOTE: GEOTECHNICAL REPORT TO BE PROVIDED BY OTHERS

GENERAL LAYOUT
WILSON DRIVE
 RIDGELANE, MISSISSAUGA



MICROAGE

BRUCE PAYNE

PHASE ONE

MANHOLE
INV 304.72

WILSON DRIVE

50
29 B-B

EXISTING WATER METER
EXIST. CURB INLET
INV. OUT 304.28
8" RCP @ 1%
INV. IN 303.93
INV. OUT 303.89
EXIST. CURB INLET
EXISTING WATER METER

NOTE: ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF RIDGELAND.

PARKER PROPERTY

GIDEON PROPERTY

END EXISTING PAVING
BEGIN THIS PROJECT

STA. 15+20
END THIS PROJECT

EXIST. 18" RCP
EXIST. 18" RCP @ 1%
1/2" PURPLE CREEK

PLAN
DATE
BY
SUPERVISOR
NOTED
NOTE BOOK ALIGNMENT CHECKED
No. ST. OF WAY CHECKED

PROFILE
DATE
BY
SUPERVISOR
NOTED
NOTE BOOK
No. STRUCTURE NOTATIONS CHECKED

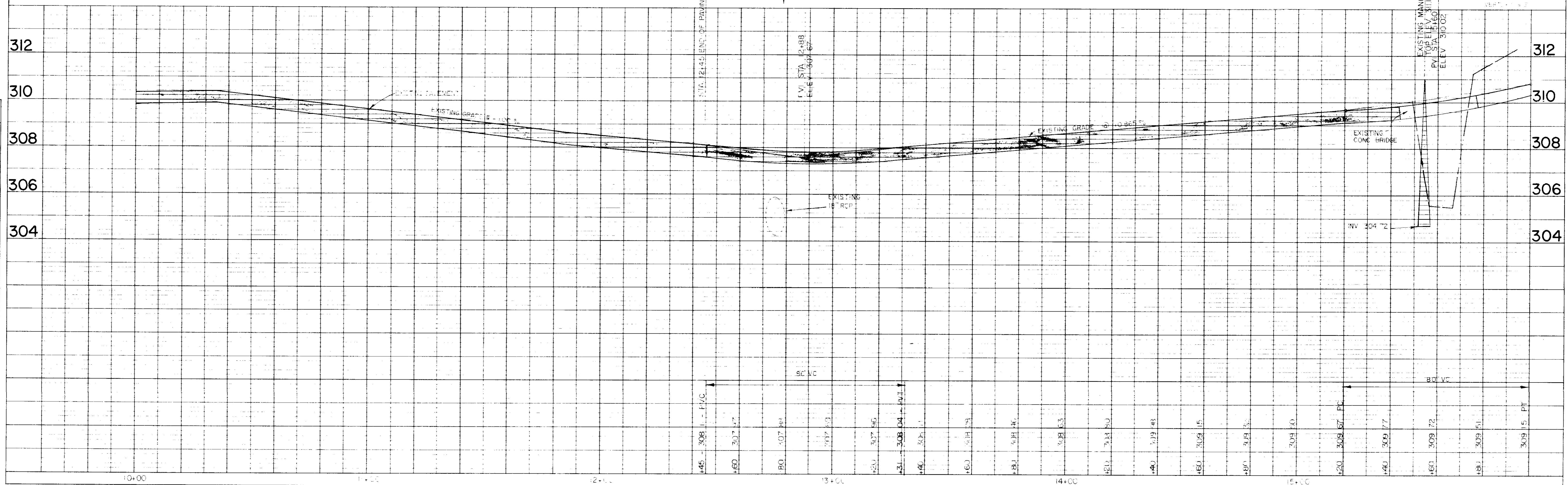


PLATE 1-SINGLE PLAN AND PROFILE FULL LINE
NATIONAL PRINTFAST
PRINTED IN U.S.A.

DATE: _____
 BY: _____
 SURVEYED: _____
 PLAN: _____
 NOTE BOOK: _____
 ALIGNMENT CHECKED: _____
 NO. OF WAY CHECKED: _____

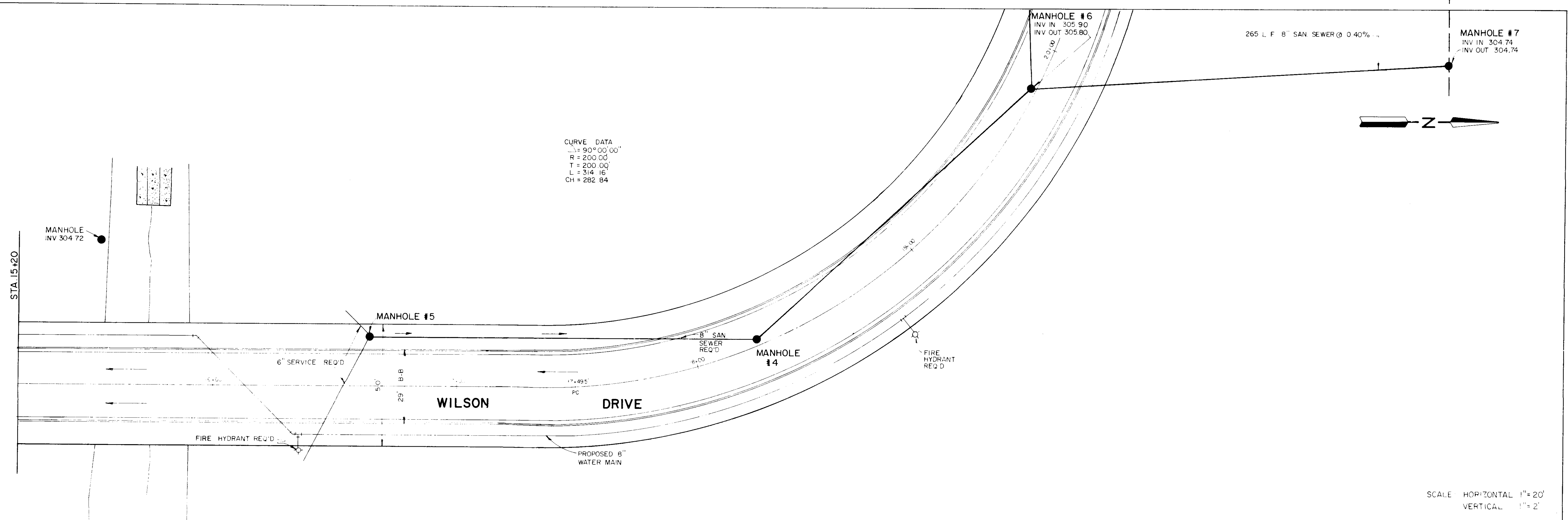
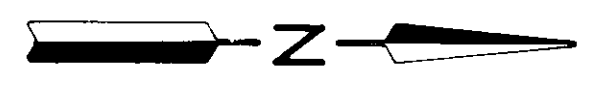
DATE: _____
 BY: _____
 SURVEYED: _____
 PROFILE: _____
 NOTE BOOK: _____
 GRADE CHECKED: _____
 B. M.'S. NOTED: _____
 STRUCTURE NOTATIONS CHECKED: _____

CURVE DATA
 Δ = 90° 00' 00"
 R = 200.00'
 T = 200.00'
 L = 314.16'
 CH = 282.84'

MANHOLE #6
 INV IN 305.90
 INV OUT 305.80

MANHOLE #7
 INV IN 304.74
 INV OUT 304.74

265 L.F. 8" SAN SEWER @ 0.40%



SCALE HORIZONTAL 1" = 20'
 VERTICAL 1" = 2'

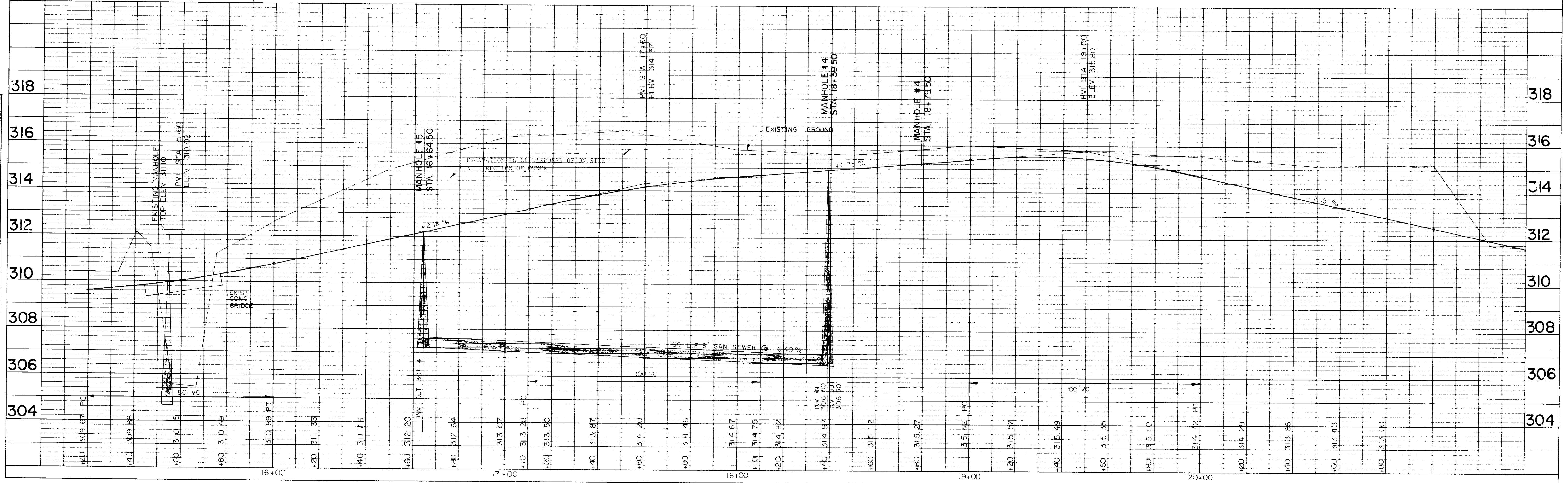
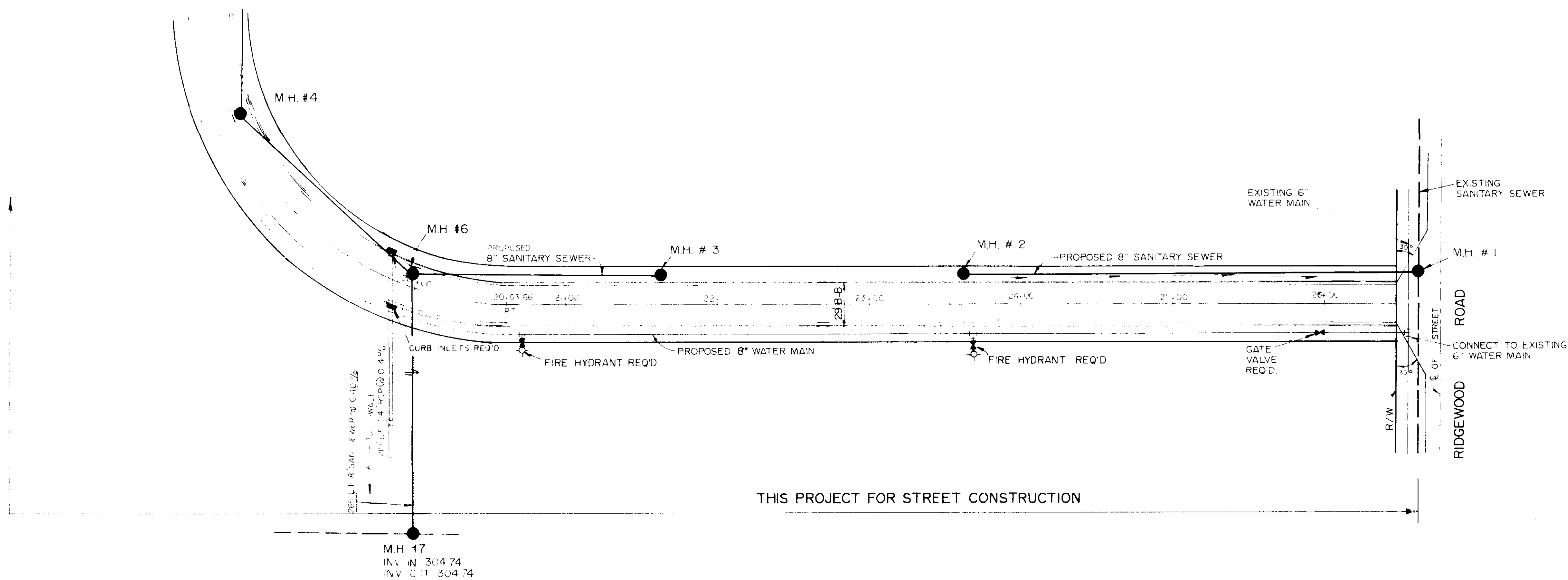
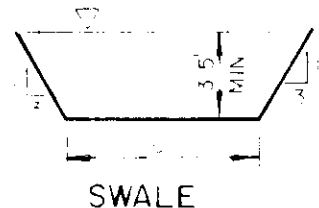


PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
 NATIONAL PRINTFAST
 PRINTED IN U.S.A.

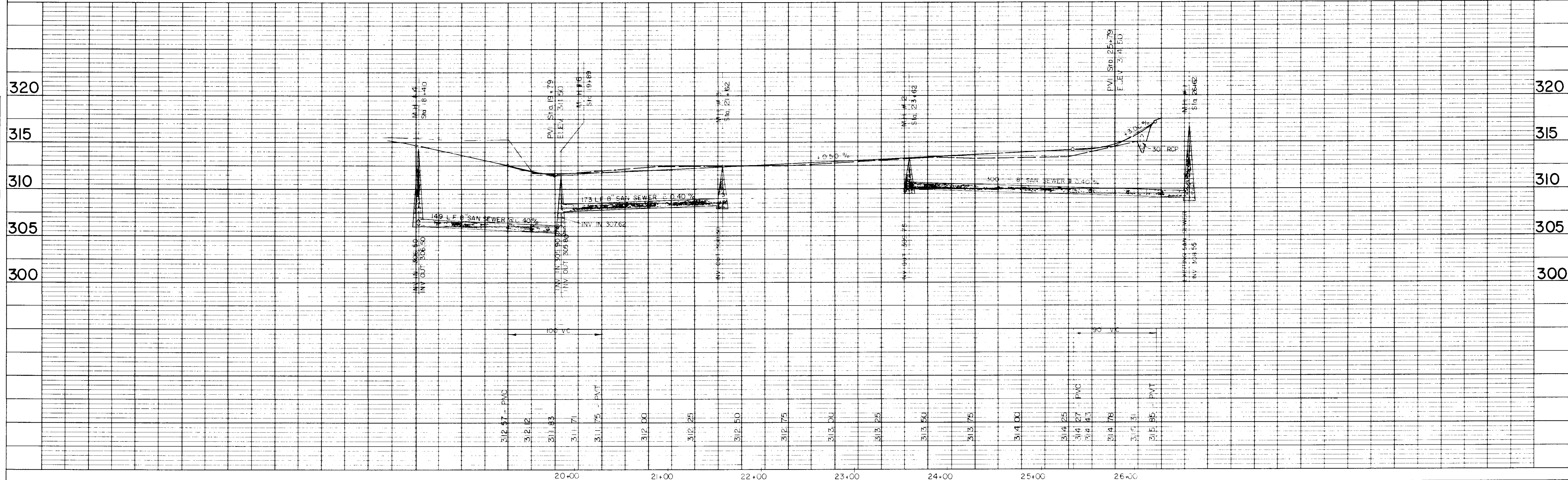
BY: _____ DATE: _____
 SUPERVISOR: _____
 NOTE BOOK: _____
 NO. OF WAY CHECKED: _____
PLAN
 No. _____



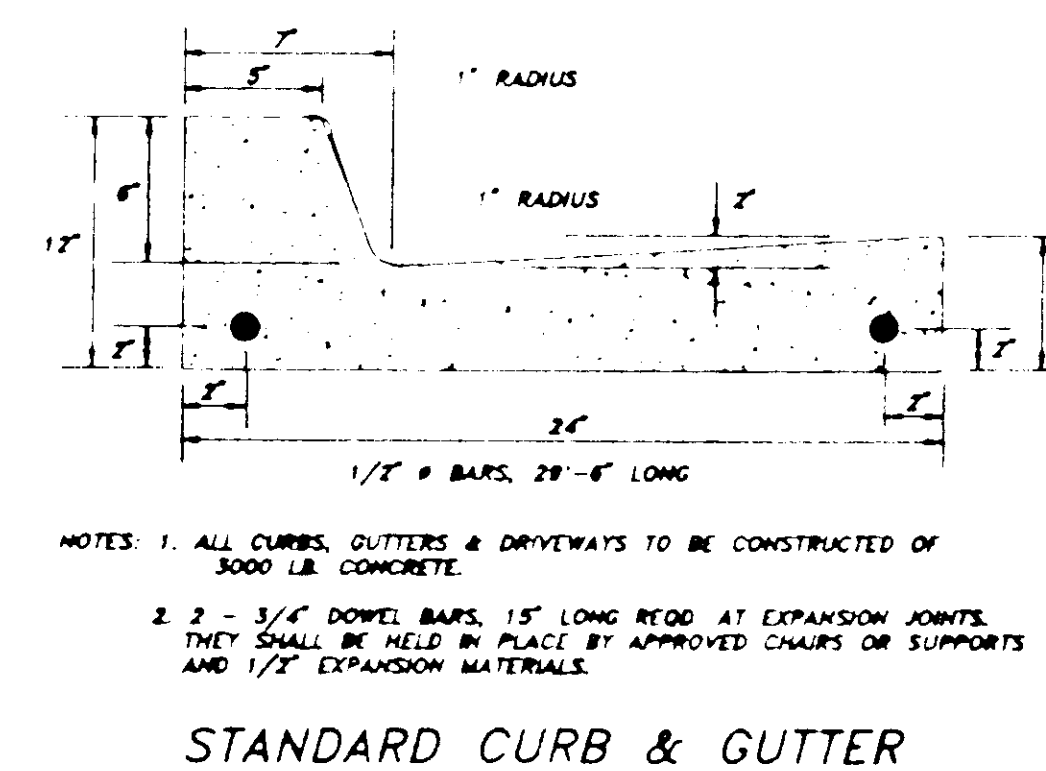
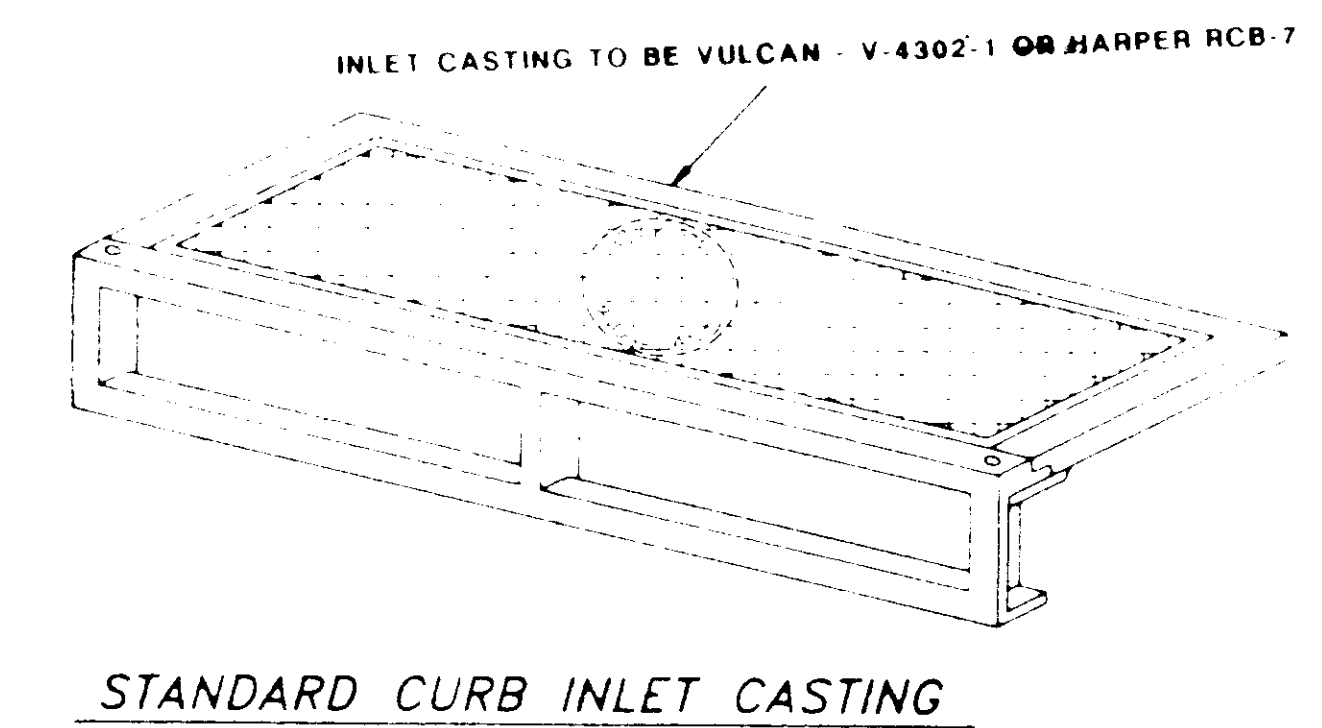
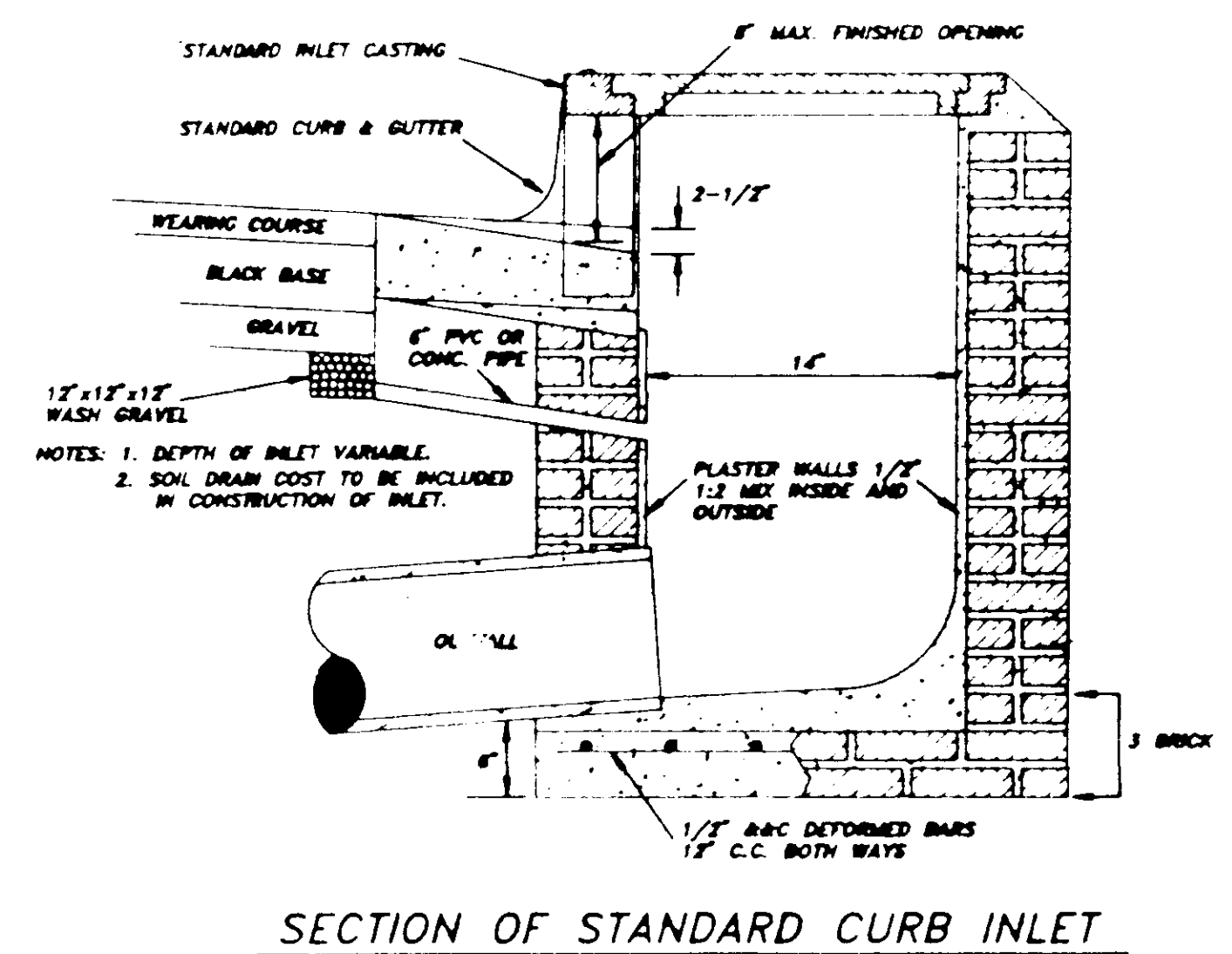
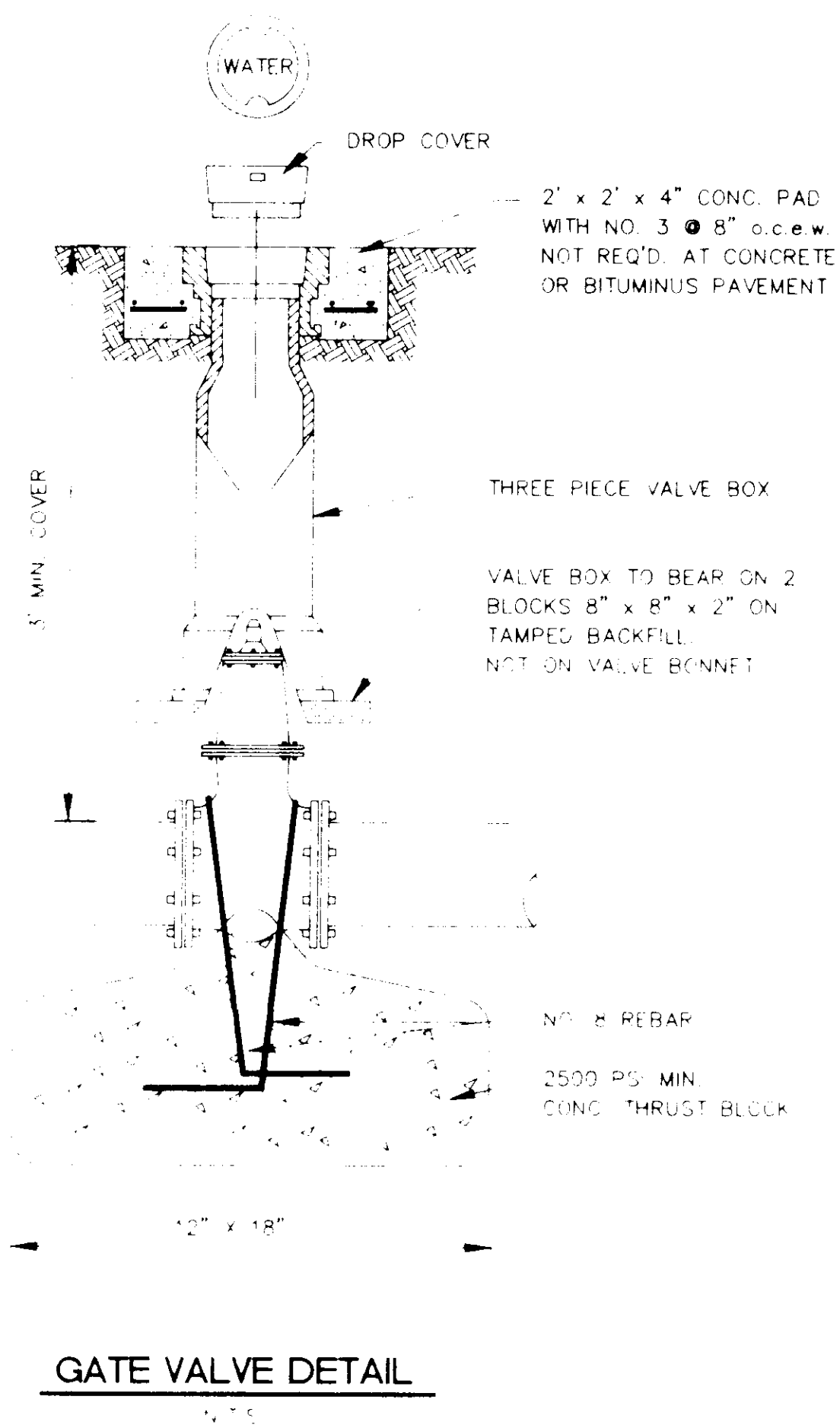
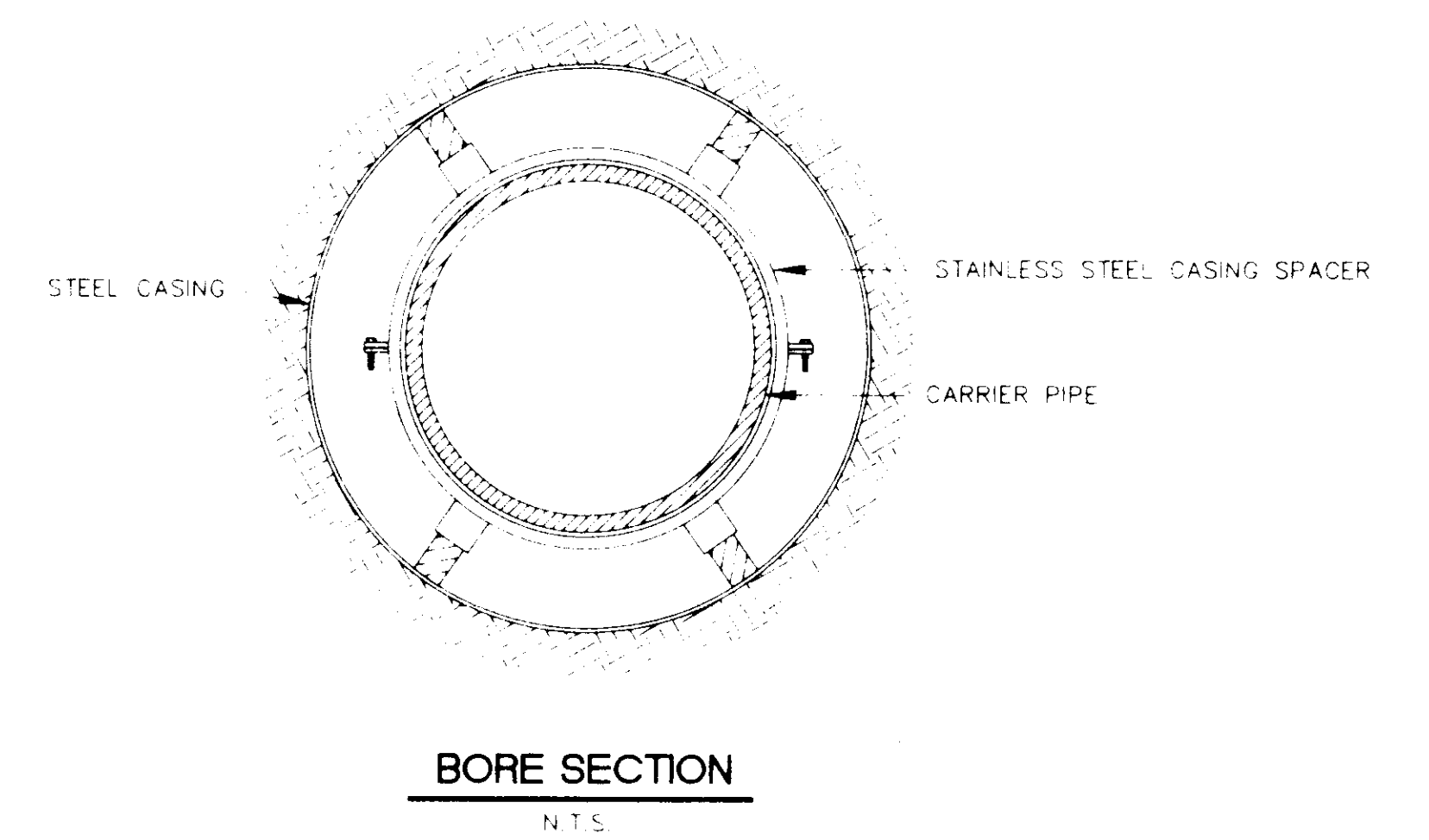
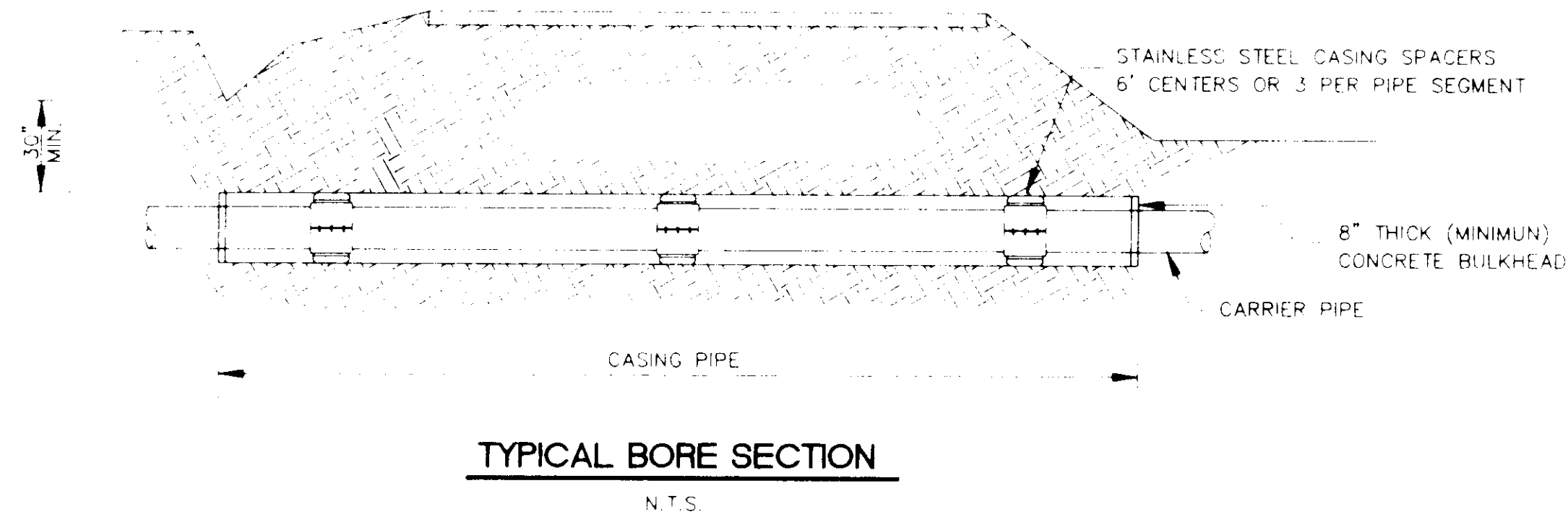
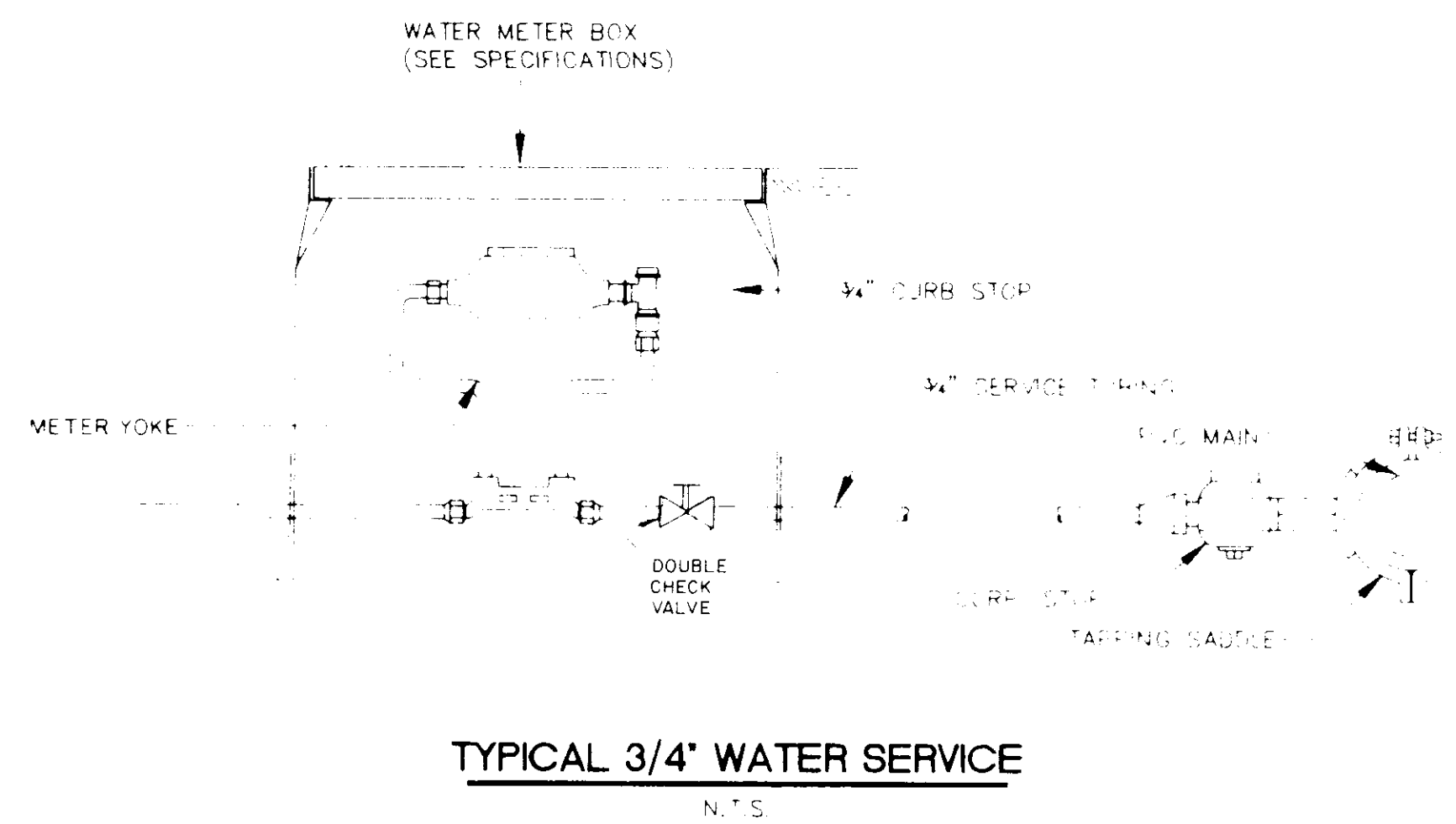
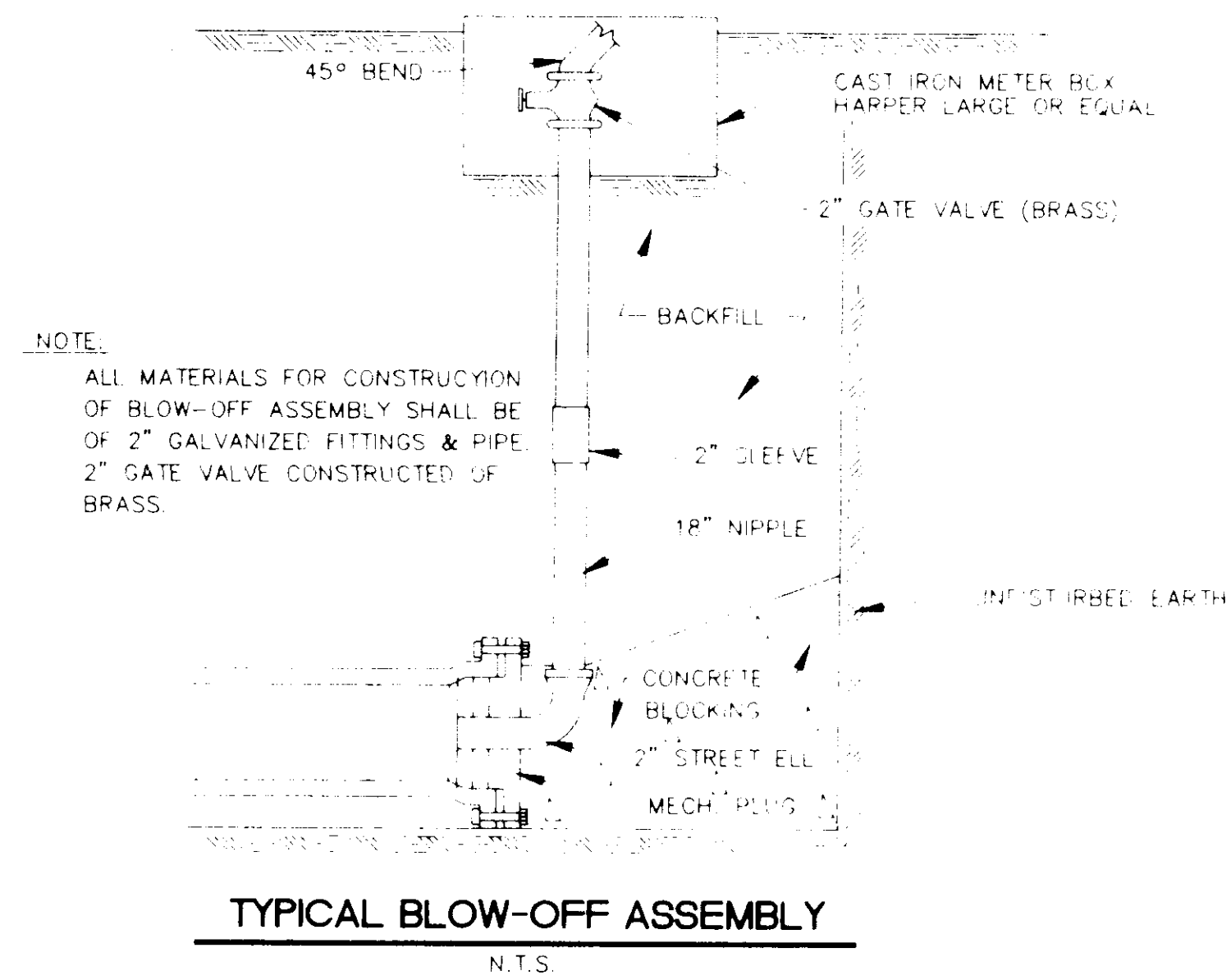
Scale:
 1" = 50' Horizontal
 1" = 5' Vertical



BY: _____ DATE: _____
 SUPERVISOR: _____
 NOTE BOOK: _____
 NO. OF WAY CHECKED: _____
PROFILE
 No. _____

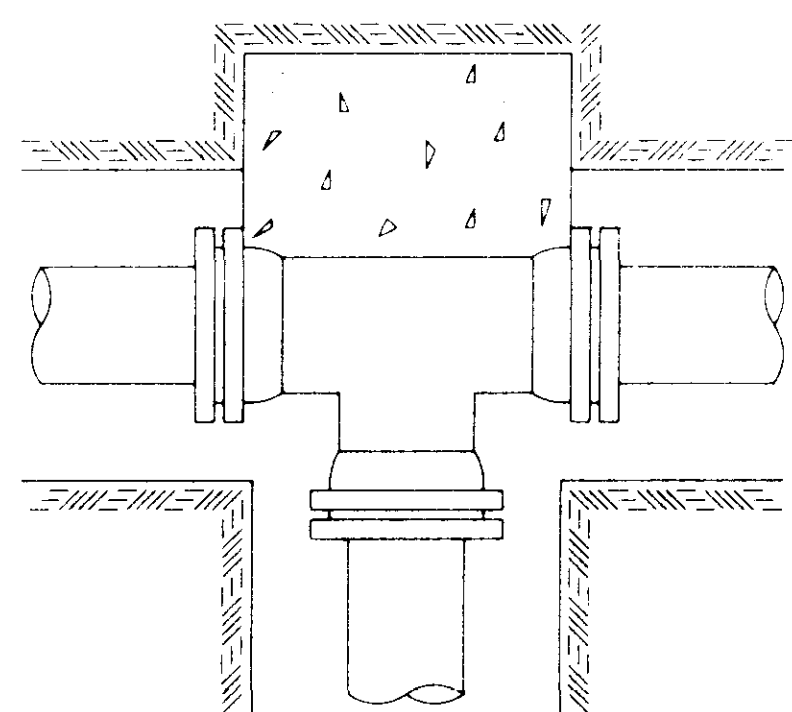


HIGHWAY FEDERAL AID SHEET
 PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
 NATIONAL PRINTING AND ENGRAVING CO.

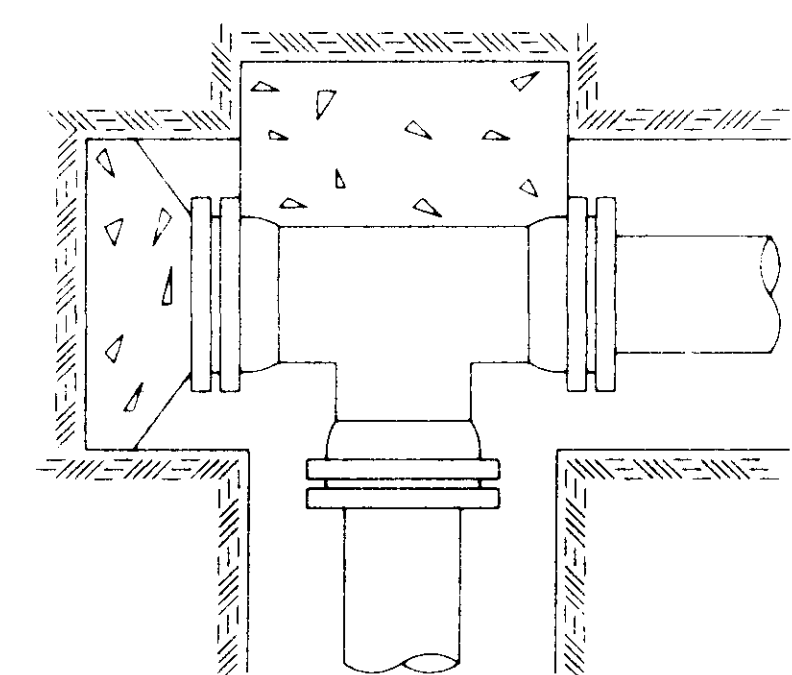


CITY OF RIDGELAND, MS.
STANDARD DETAILS

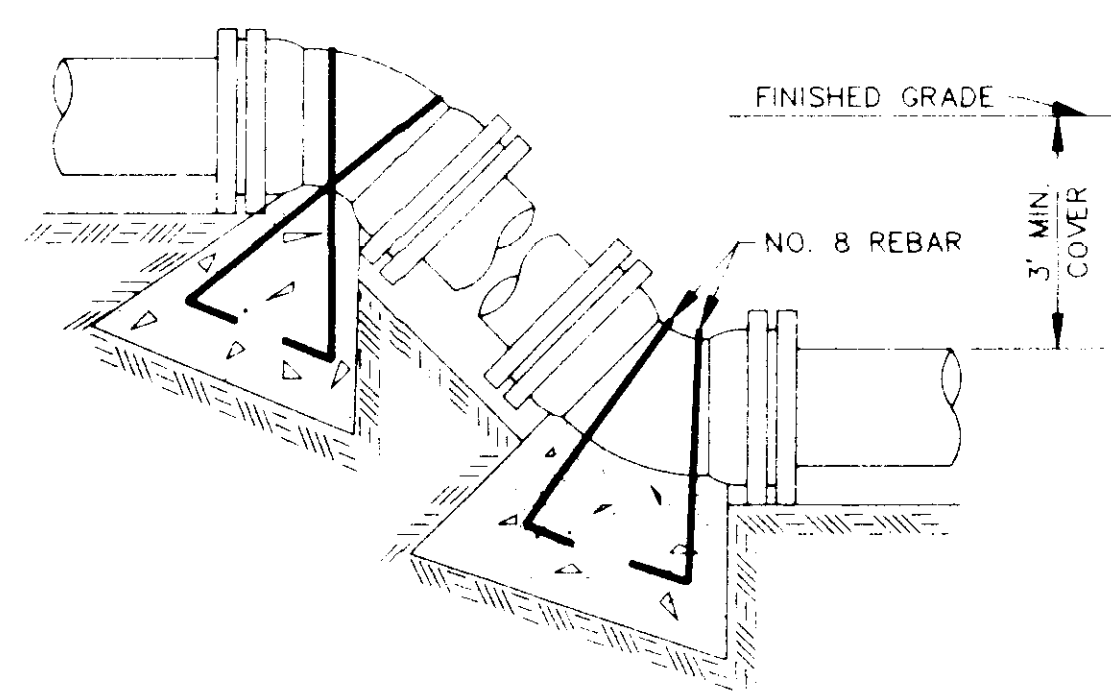
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DRWN	JF		6 of 9
CHKD			
SCALE AS SHOWN			



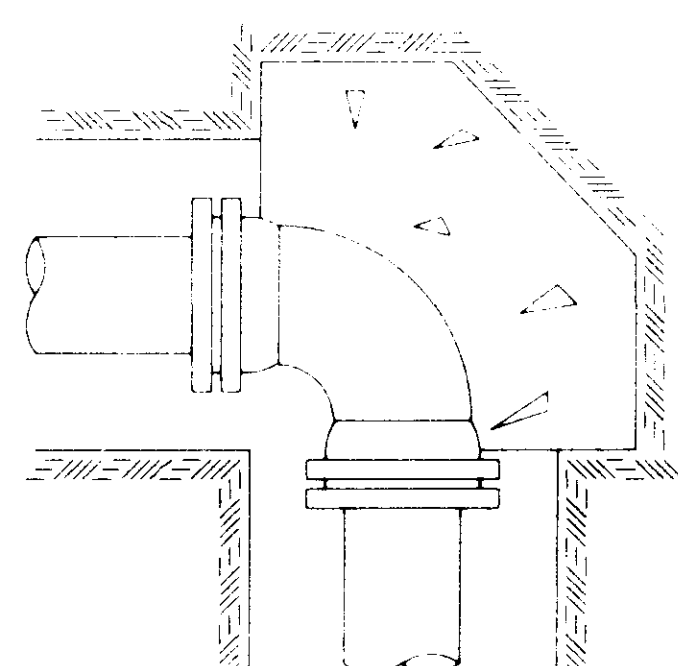
TEE



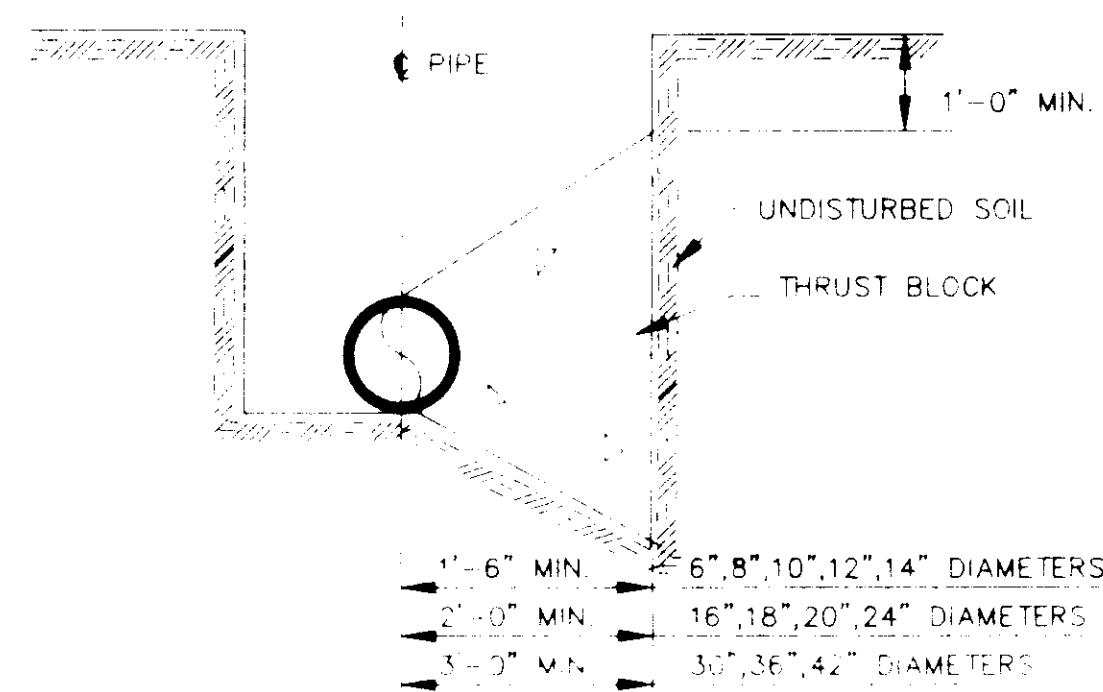
PLUGGED TEE



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.

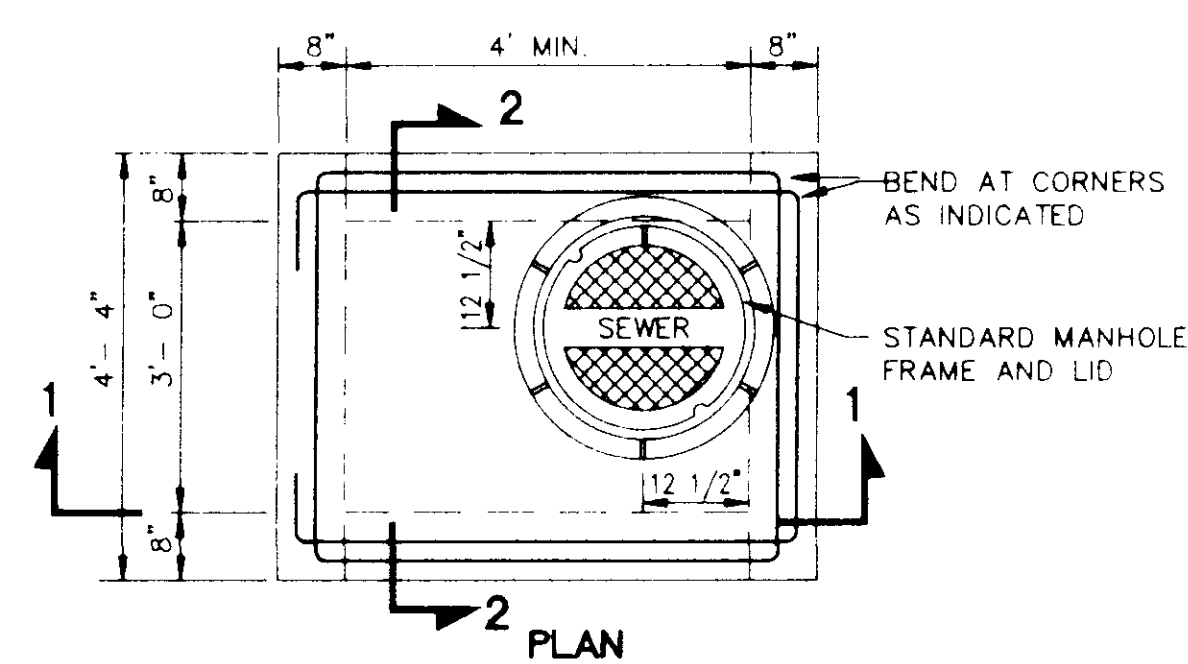
NOMINAL PIPE DIAMETER (IN.)	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
6	2.5	3.0	2.0	2.0	2.0
8	4.0	6.0	3.0	2.0	2.0
10	6.0	9.0	5.0	2.5	2.0
12	9.0	11.0	6.0	3.5	2.0
14	12.0	18.0	9.0	5.0	2.5
16	16.0	22.5	12.0	6.0	3.0
18	20.0	28.0	15.0	8.0	4.0
20	24.5	34.0	19.0	10.0	5.0
24	35.0	49.0	27.0	14.0	7.0
30	54.0	76.0	41.0	21.0	10.0
36	77.0	108.0	59.0	30.0	15.0
42	104.0	146.0	79.0	40.0	20.0

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.

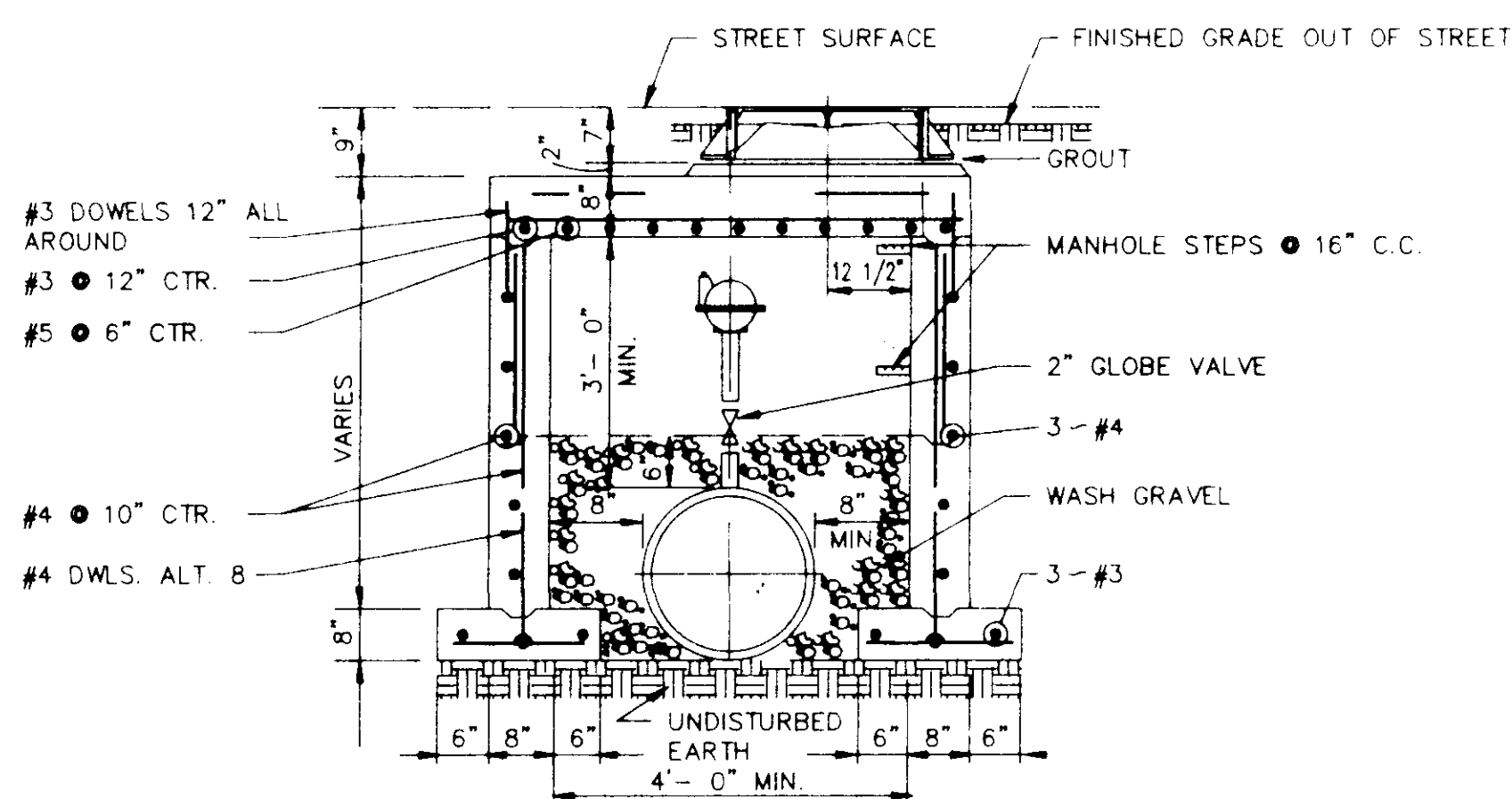
VERTICAL BENDS

NOMINAL PIPE DIAMETER (IN.)	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
6		26.0(1.2)	14.0(0.5)	7.0(0.3)	
8		45.0(1.7)	25.0(0.9)	13.0(0.5)	
10		69.0(2.5)	37.0(1.4)	19.0(0.7)	
12		97.0(3.6)	52.0(1.9)	27.0(1.0)	
14		130.0(4.8)	70.0(2.6)	36.0(1.3)	
16		168.0(6.2)	91.0(3.4)	46.0(1.7)	
18		211.0(7.8)	114.0(4.2)	58.0(2.2)	
20		259.0(9.6)	140.0(5.2)	72.0(2.6)	
24		370.0(13.7)	200.0(7.4)	100.0(3.8)	
30		568.0(21.1)	308.0(11.4)	156.0(5.8)	
36		814.0(30.1)	440.0(16.3)	225.0(8.3)	
42		1100.0(40.7)	595.0(22.0)	303.0(11.2)	

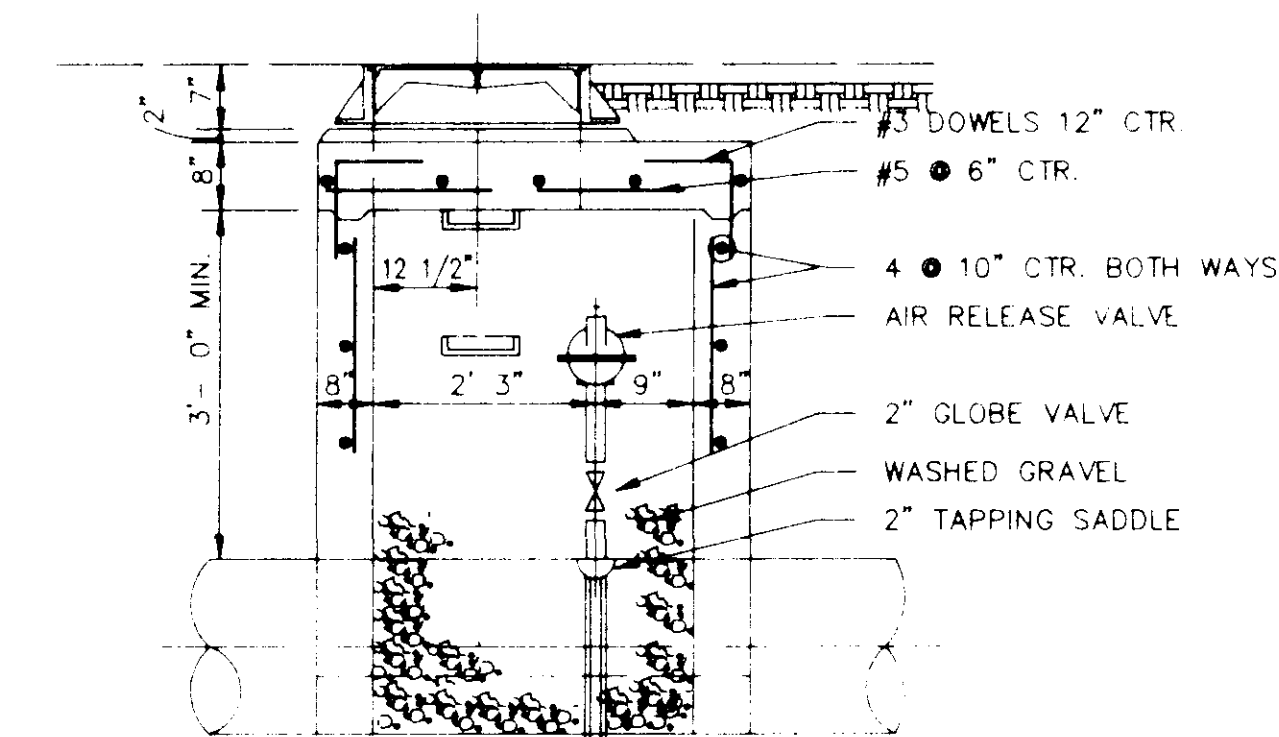
NOTE: ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS). THE VALUES WERE CALCULATED USING A P=100 PSI AND A SF=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



PLAN



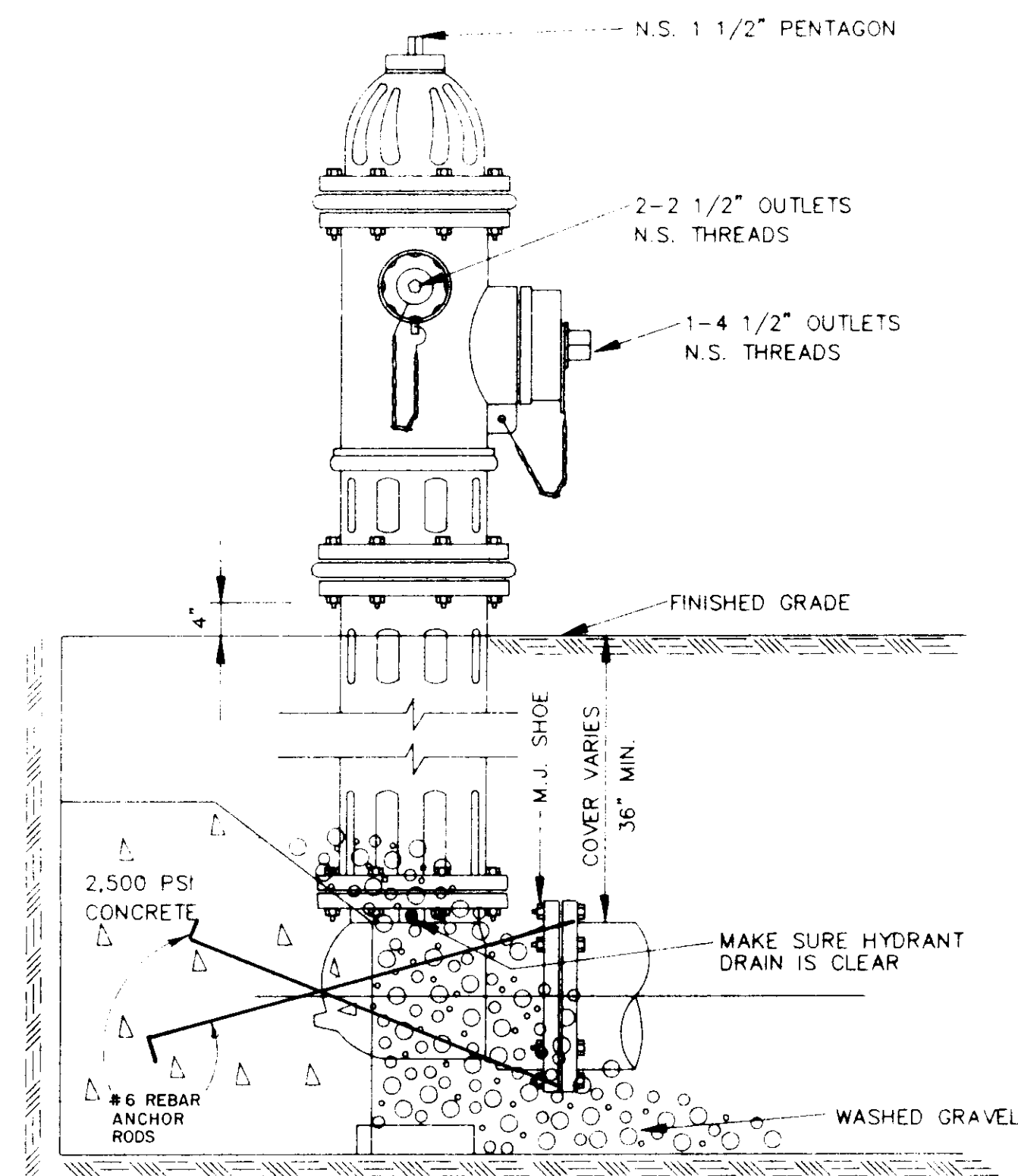
SECTION 1-1



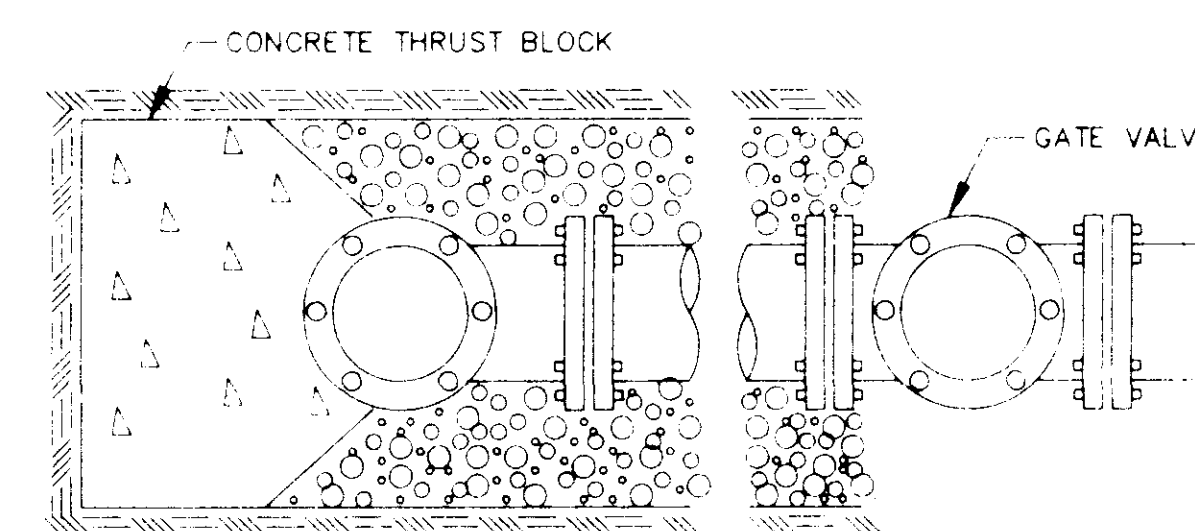
SECTION 2-2

TYPICAL AIR OR AIR VACCUUM RELEASE VALVE INSTALLATION WITH MANHOLE

NOT TO SCALE



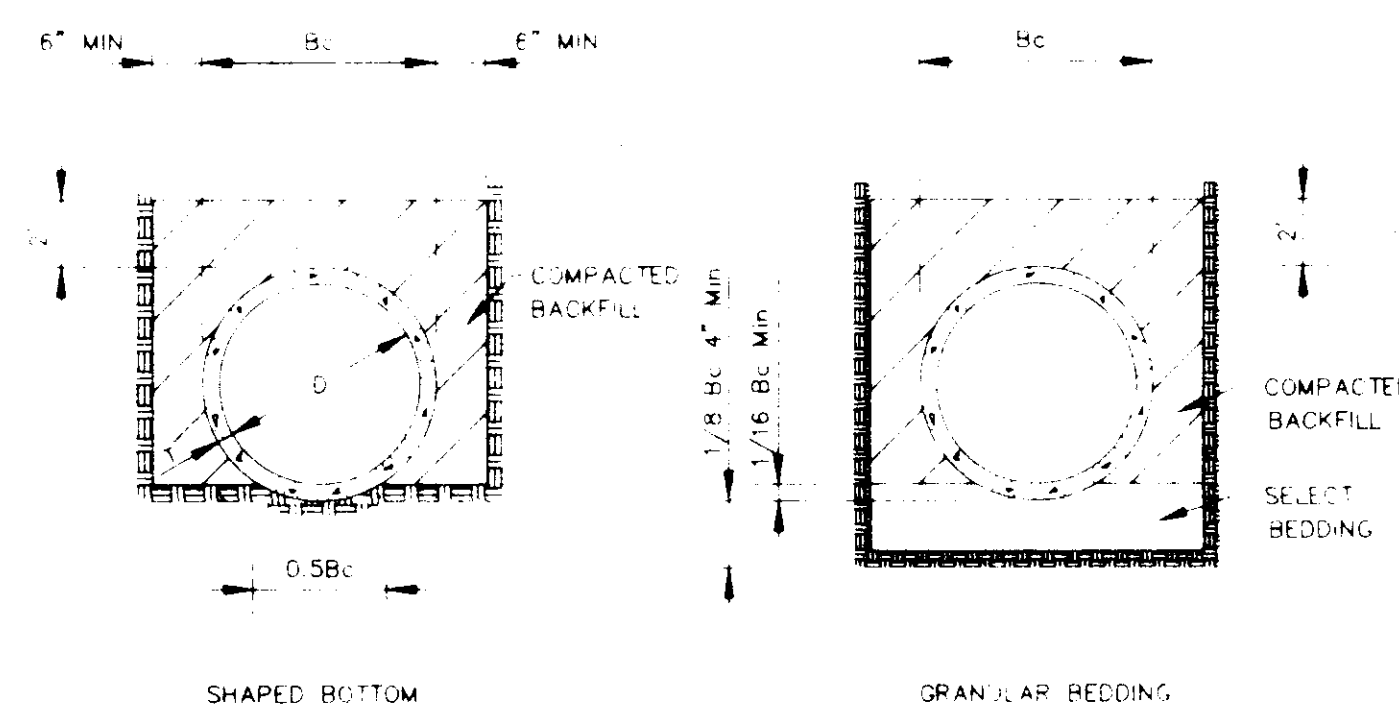
ELEVATION



PLAN

TYPICAL FIRE HYDRANT INSTALLATION

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



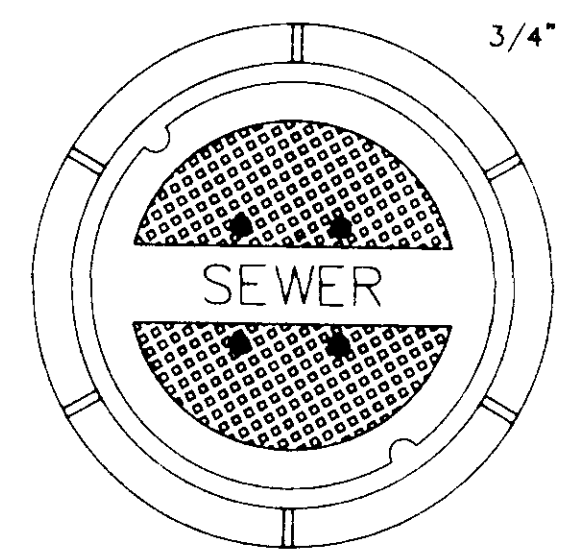
TYPICAL TRENCH DETAILS

N.T.S.

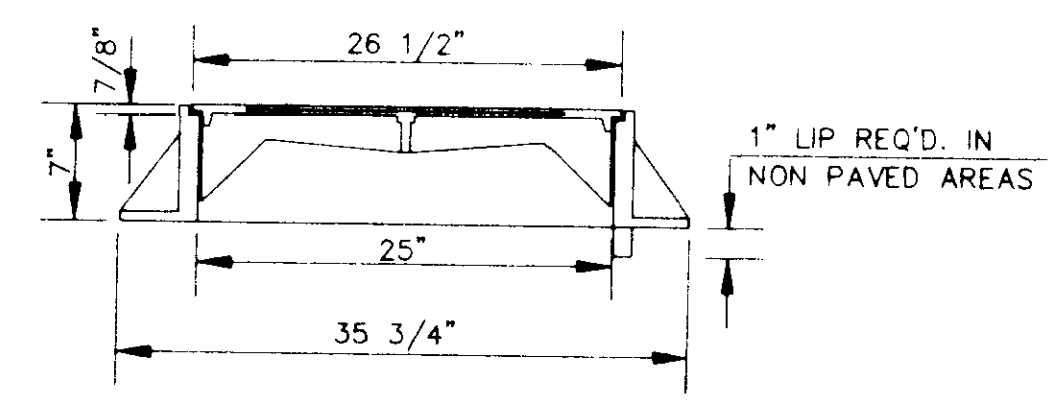
CITY OF RIDGELAND, MS.

STANDARD DETAILS

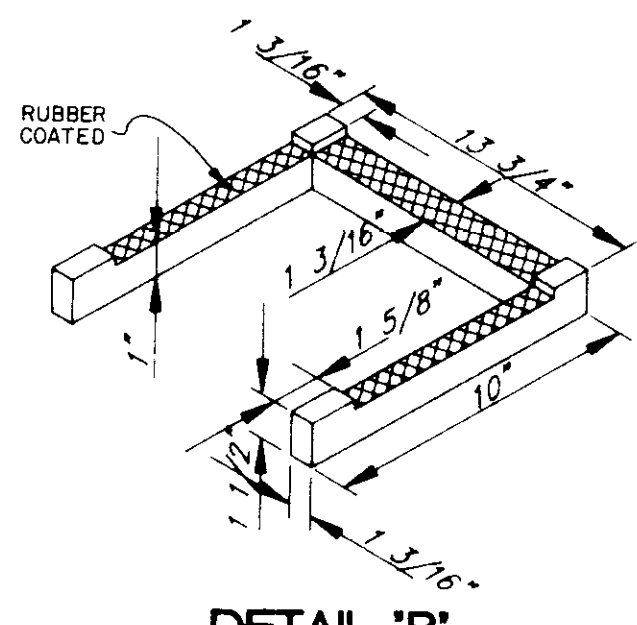
DSGN	PLB	THE CITY OF RIDGELAND	DRAWING NO.
DRWN	JF		7 of 9
CHKD			
SCALE	AS SHOWN		



TOP PLAN OF COVER



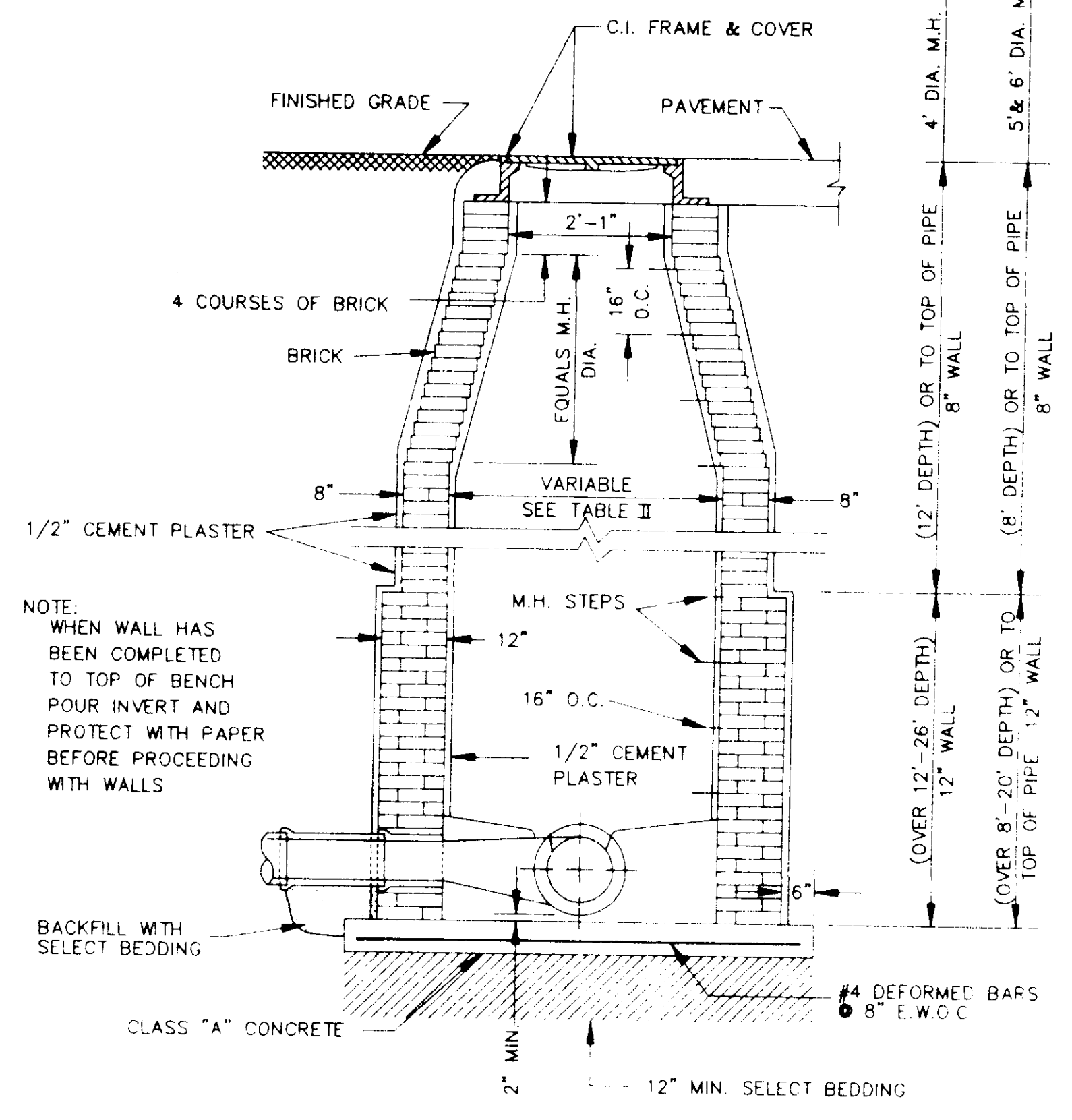
SECTION



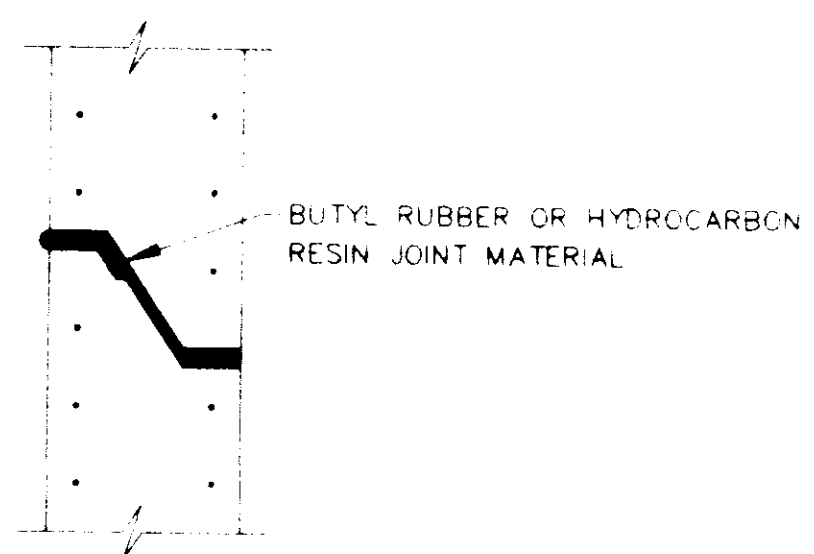
DETAIL 'B'

FRAME & COVER WEIGHT 420 LBS.

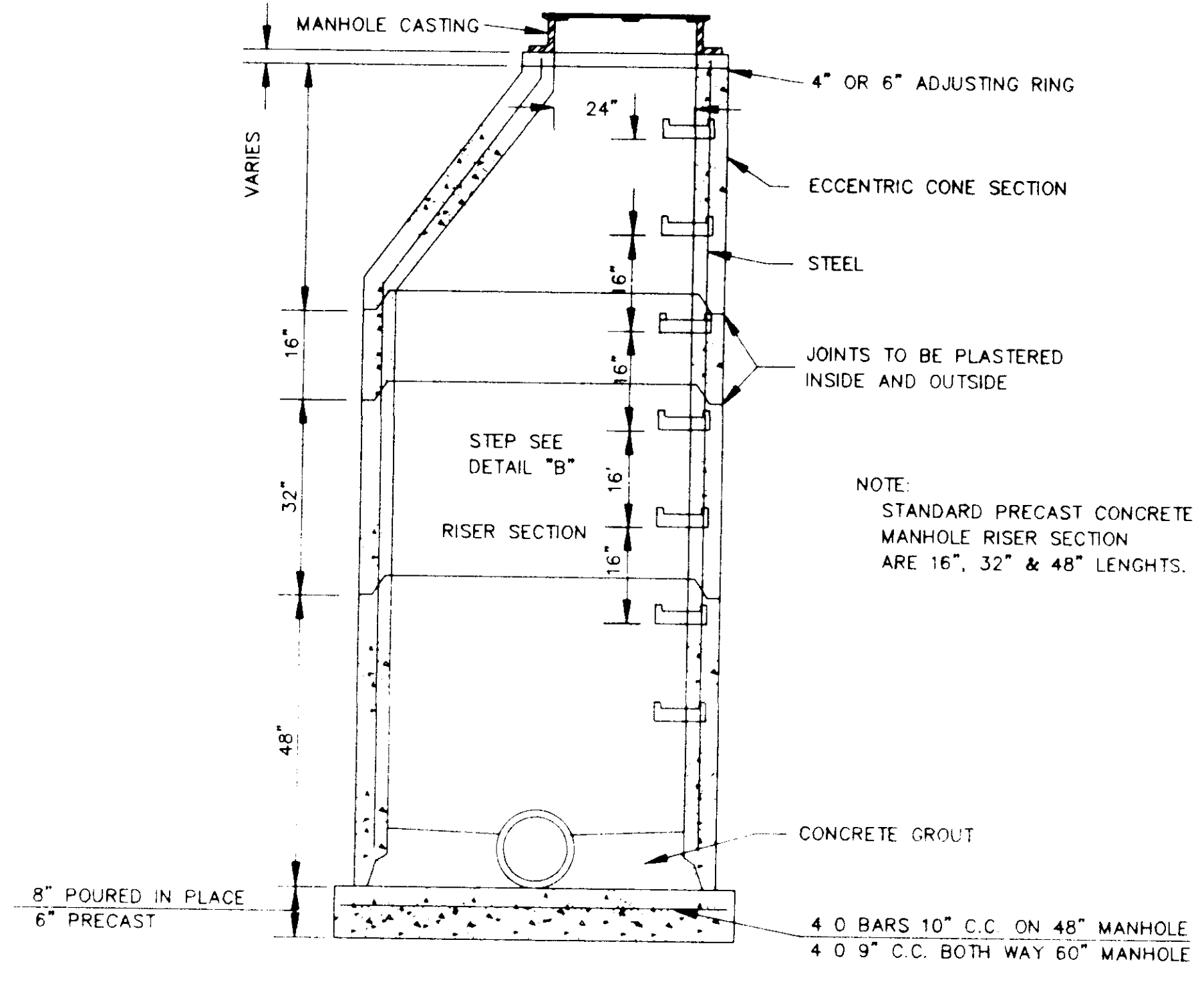
STANDARD MANHOLE FRAME AND COVER
N.T.S.



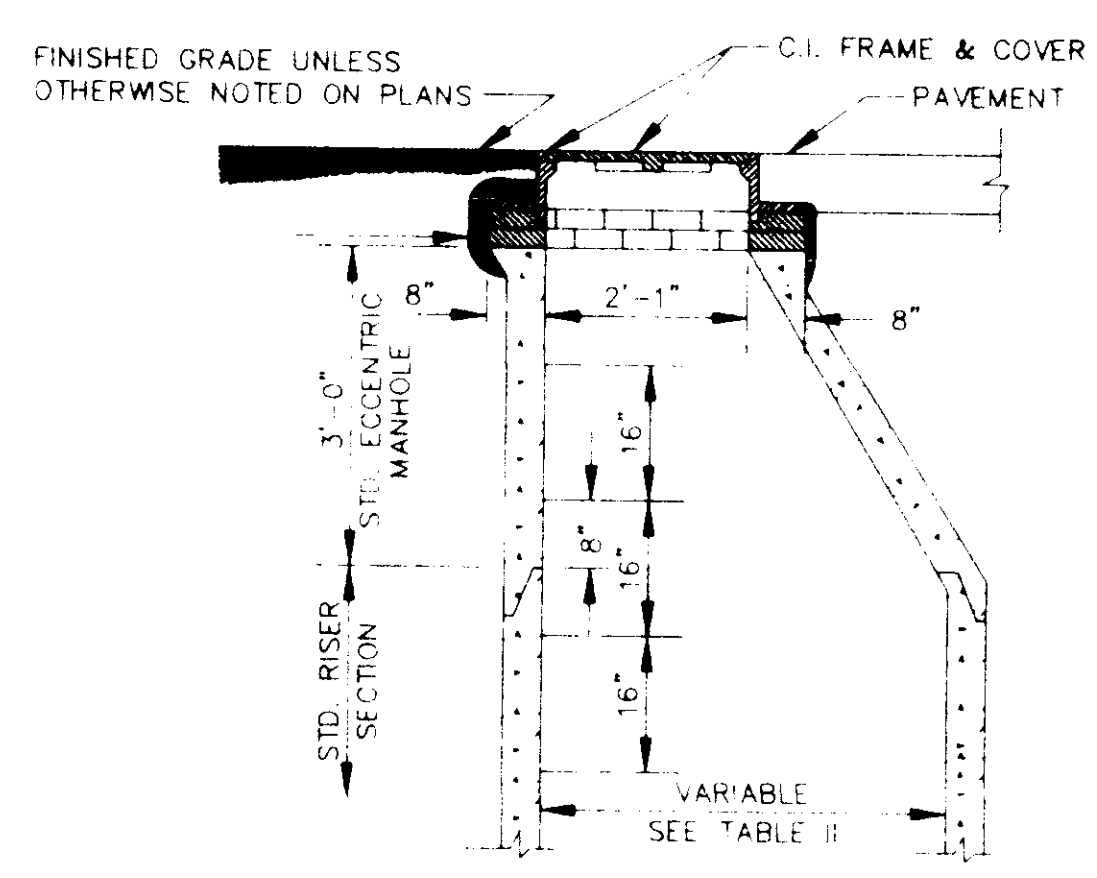
STANDARD BRICK MANHOLE
N.T.S.



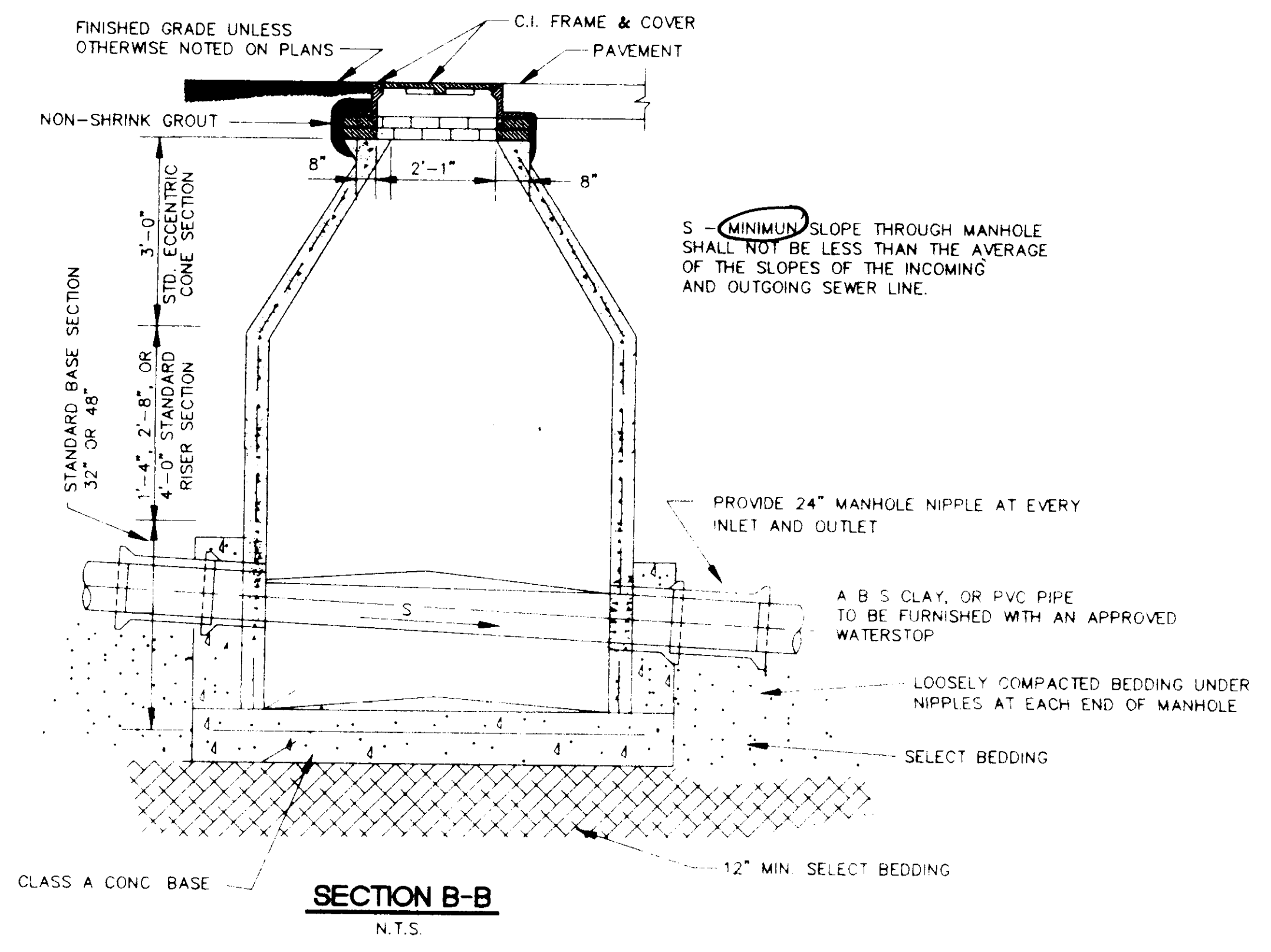
TYPICAL PRECAST CONCRETE MANHOLE JOINT DETAIL
N.T.S.



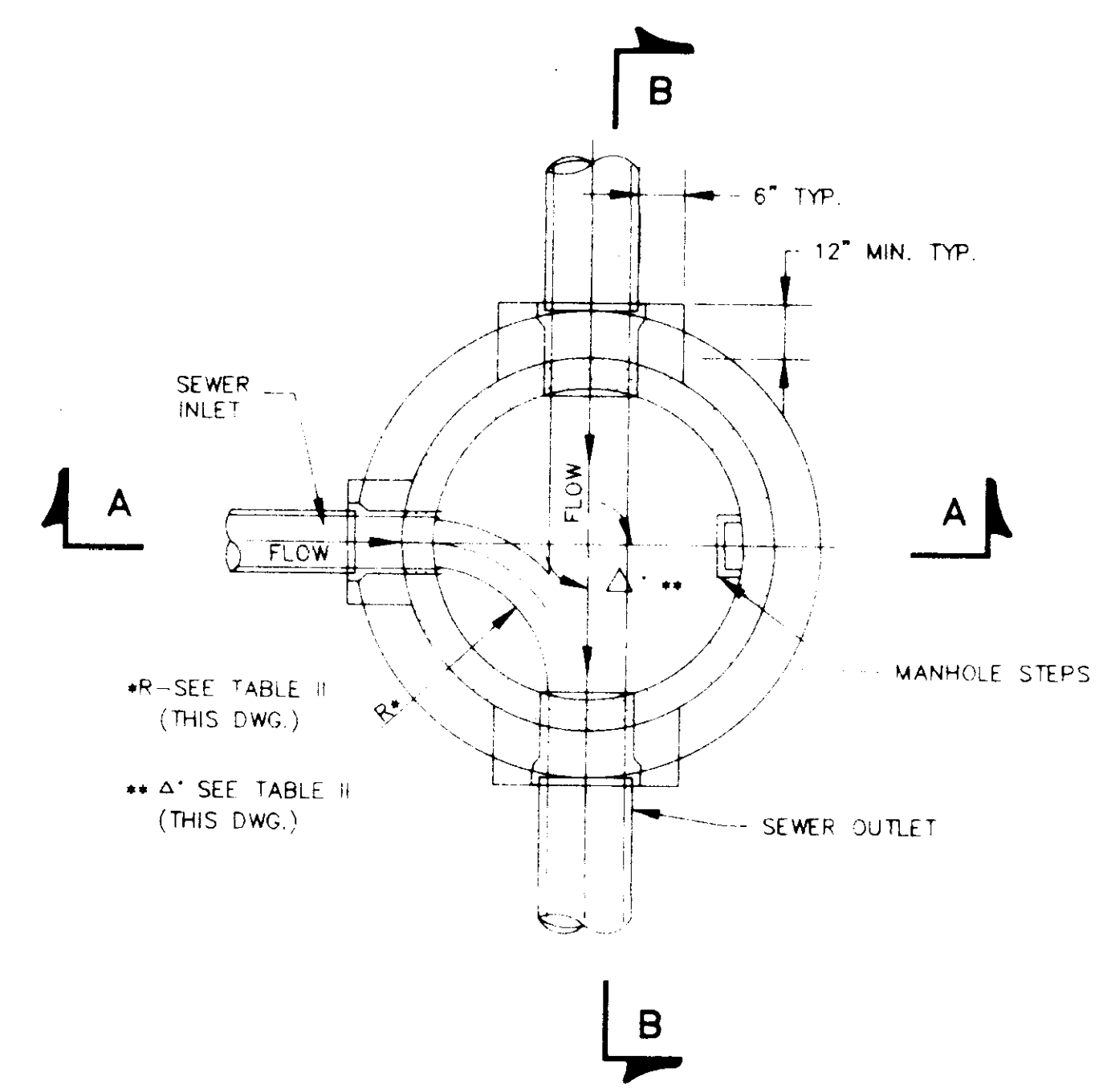
SECTION OF PRECAST CONCRETE MANHOLE
N.T.S.



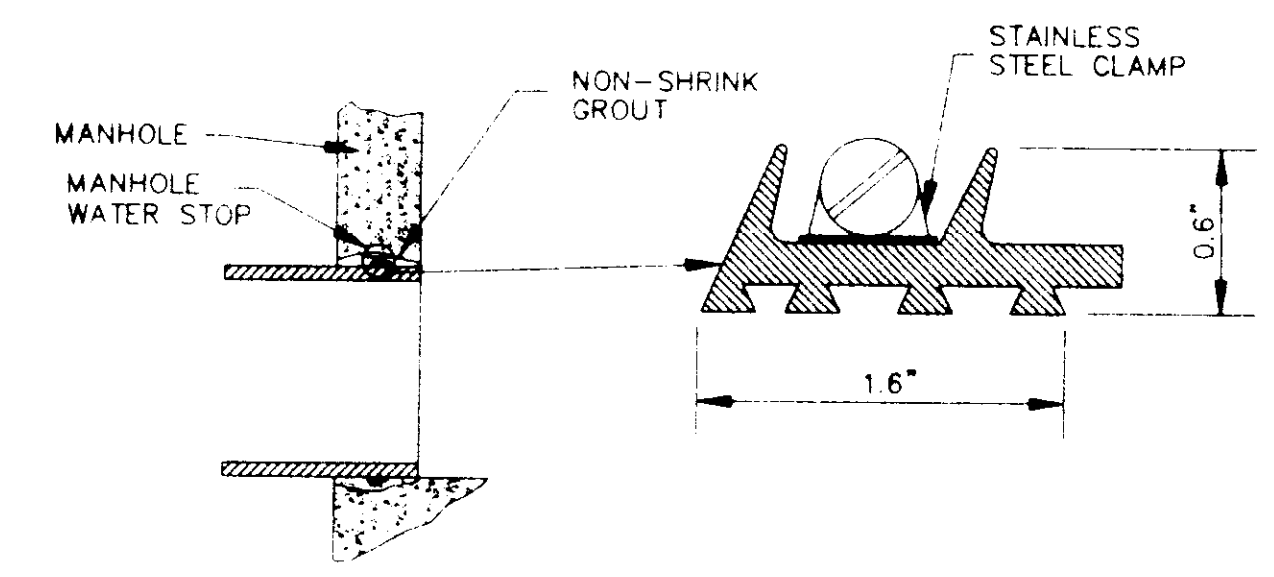
STANDARD ECCENTRIC CONE FOR ALL DIAMETER MANHOLES
N.T.S.



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.

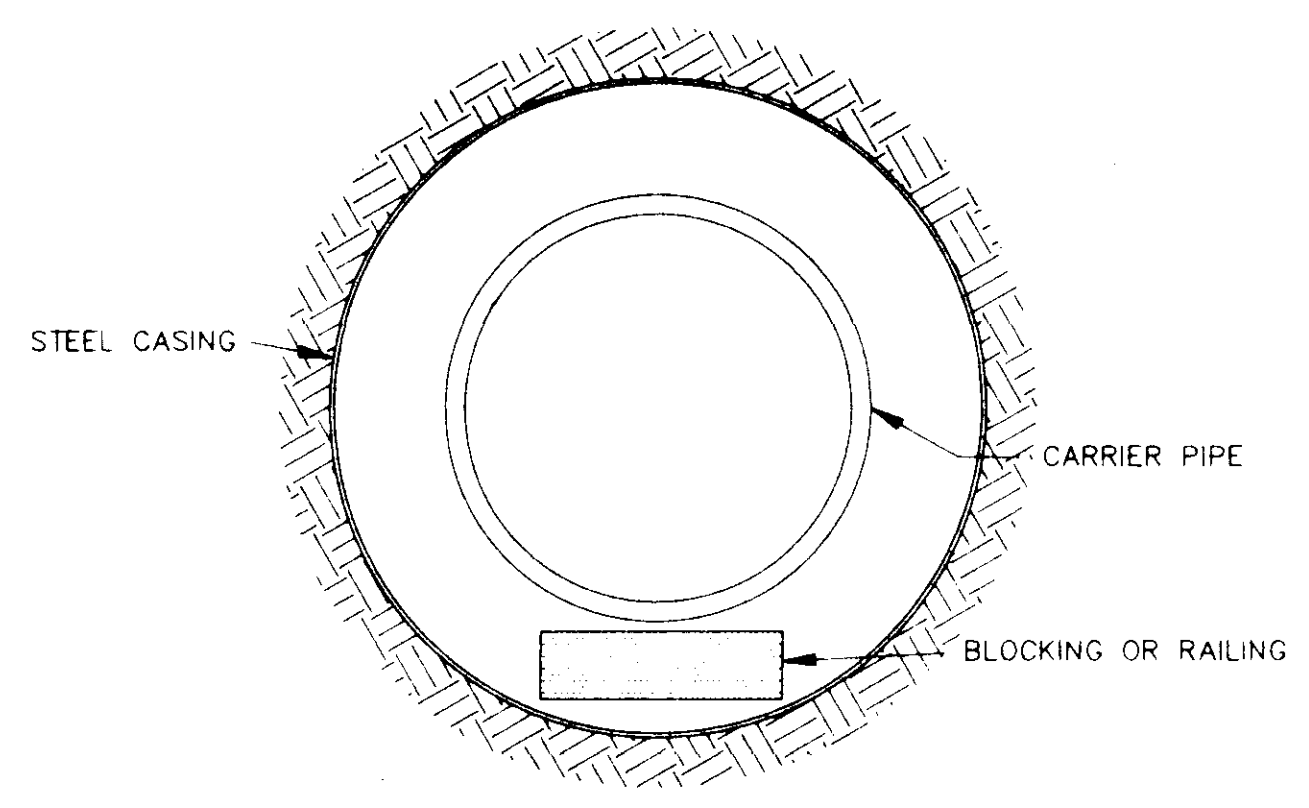
CITY OF RIDGELAND, MS. STANDARD DETAILS

DSGN	PLB		DRAWING NO.
DRWN	JF		8 OF 9
CHKD			
SCALE	AS SHOWN		

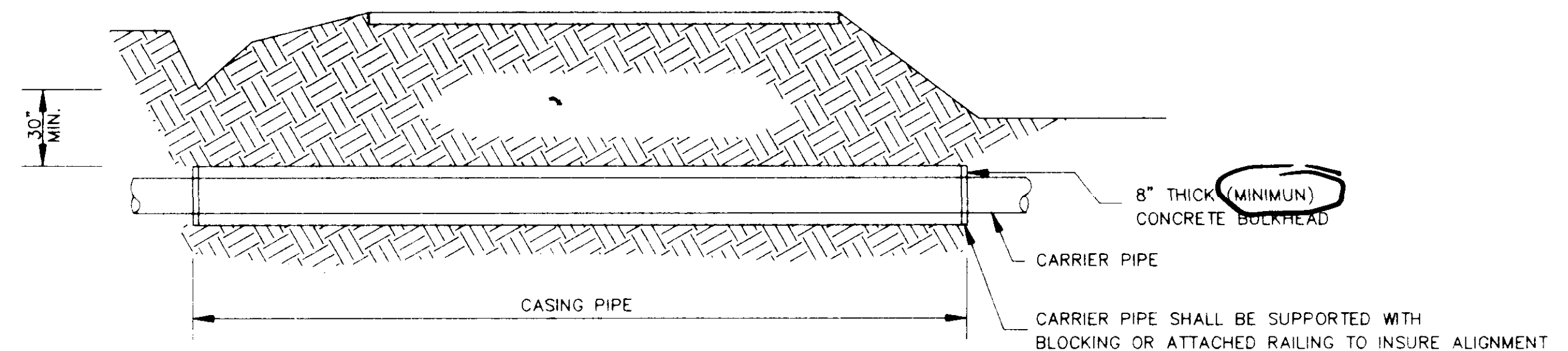
TABLE II
GOVERNING DIMENSIONS FOR MANHOLES

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"

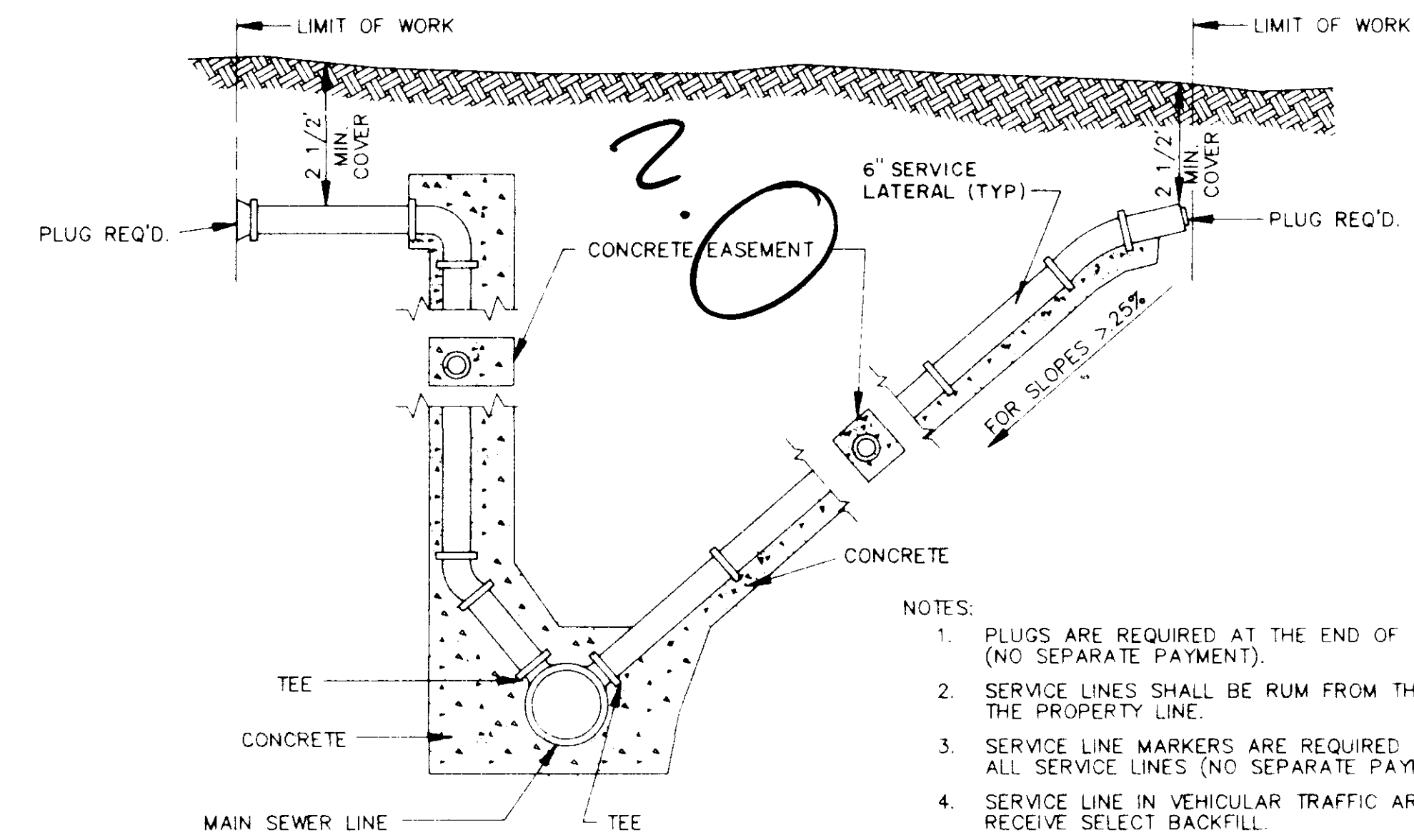
* SEE SECTIONAL PLAN, STANDARD MANHOLE
** PRECAST MANHOLE



BORE SECTION
N.T.S.

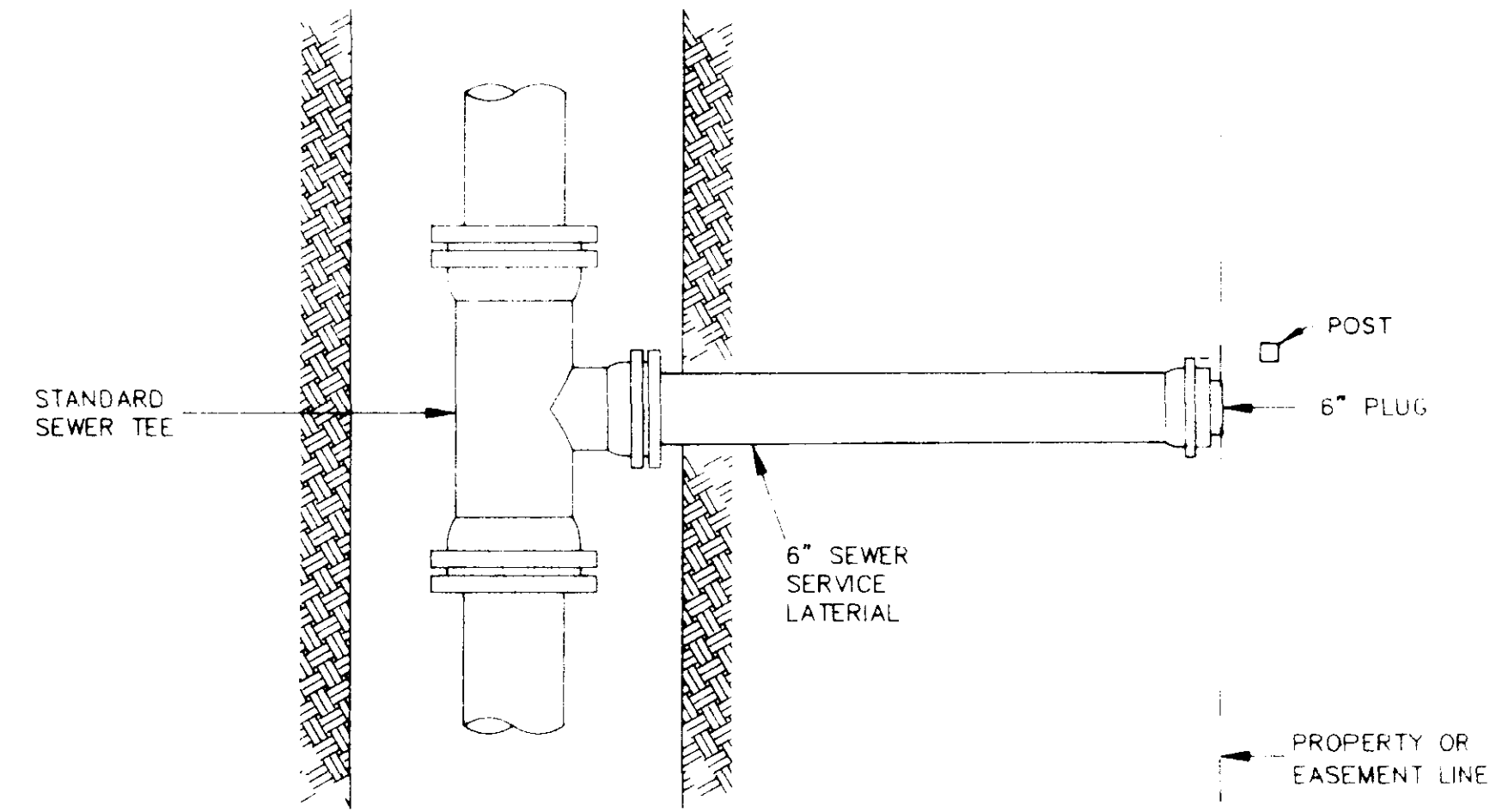


TYPICAL BORE SECTION
N.T.S.

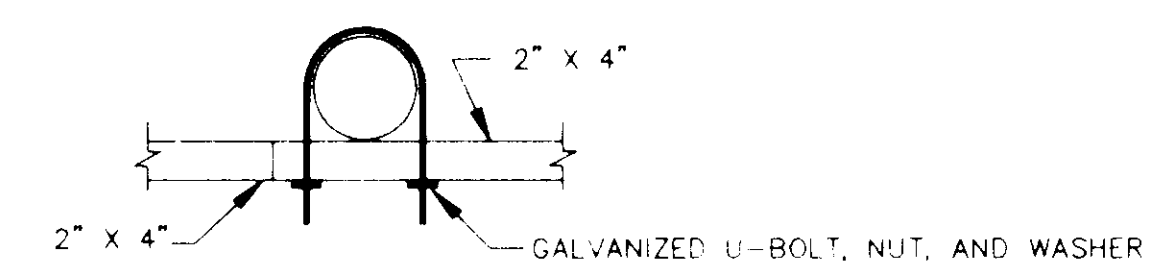


- NOTES:
1. PLUGS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
 2. SERVICE LINES SHALL BE RUM FROM THE SEWER LINES TO THE PROPERTY LINE.
 3. SERVICE LINE MARKERS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
 4. SERVICE LINE IN VEHICULAR TRAFFIC AREA SHALL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

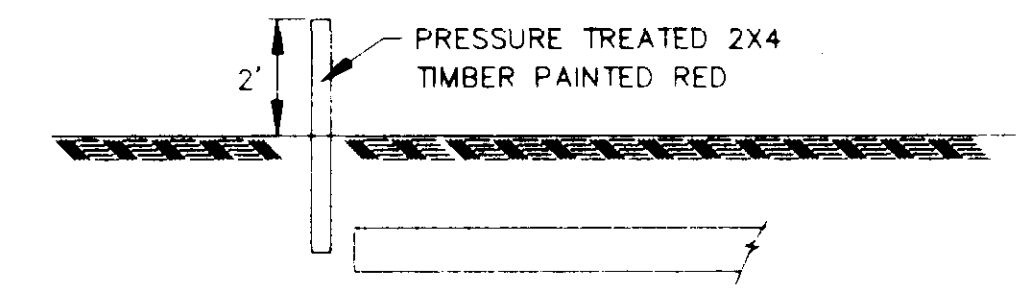
SERVICE CONNECTION FOR DEEP SEWER
N.T.S.



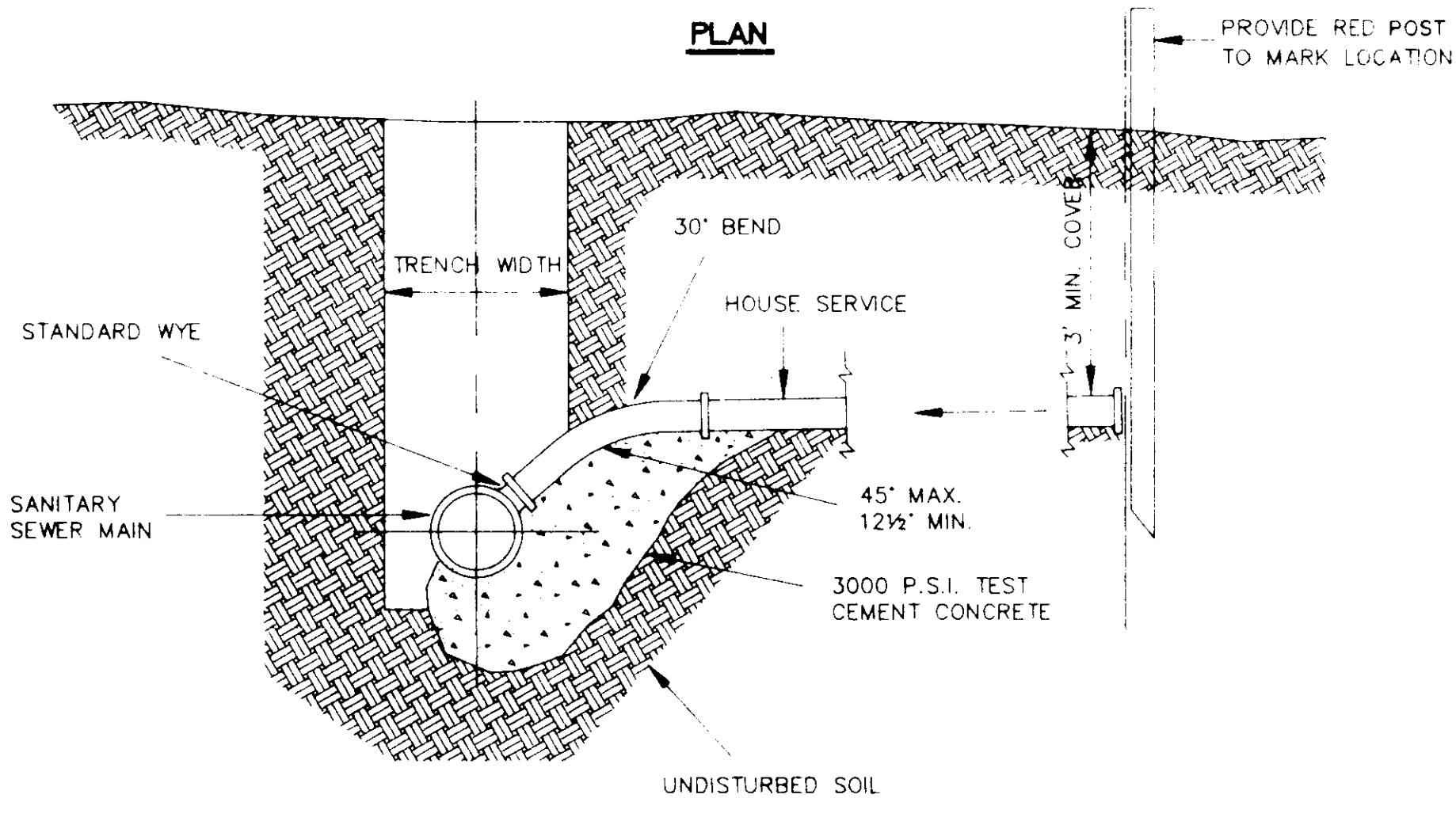
PLAN



SUPPORT MOUNTING DETAIL
N.T.S.

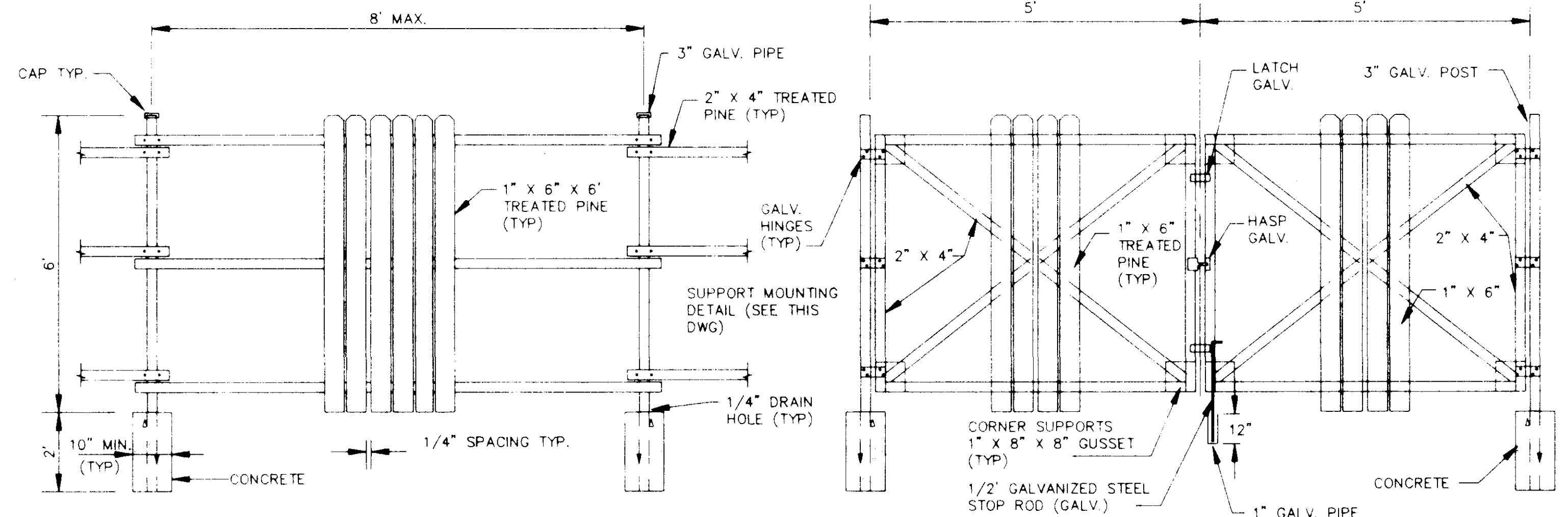


SERVICE LINE MARKER
(NO SEPARATE PAYMENT)
N.T.S.



ELEVATION

SEWER SERVICE CONNECTION
N.T.S.



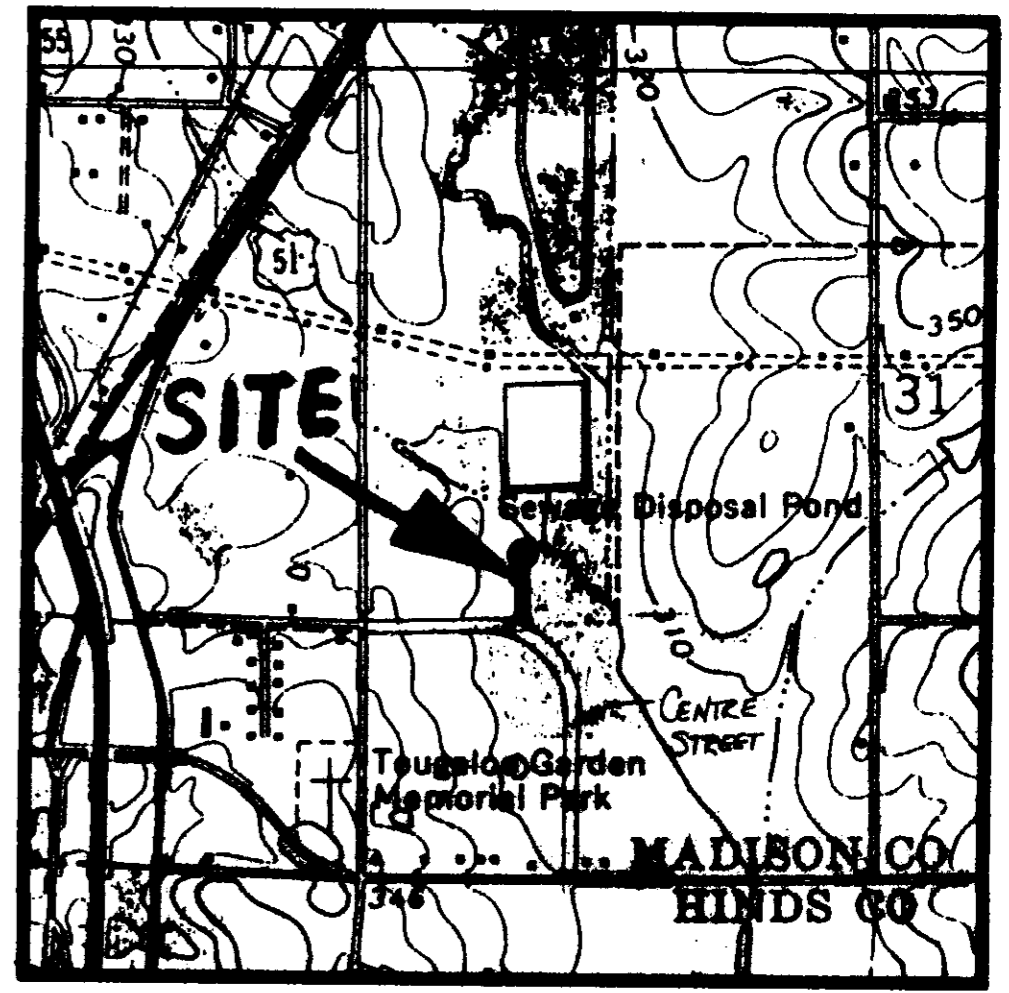
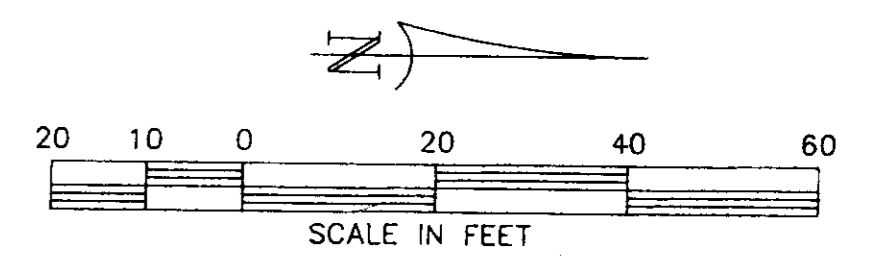
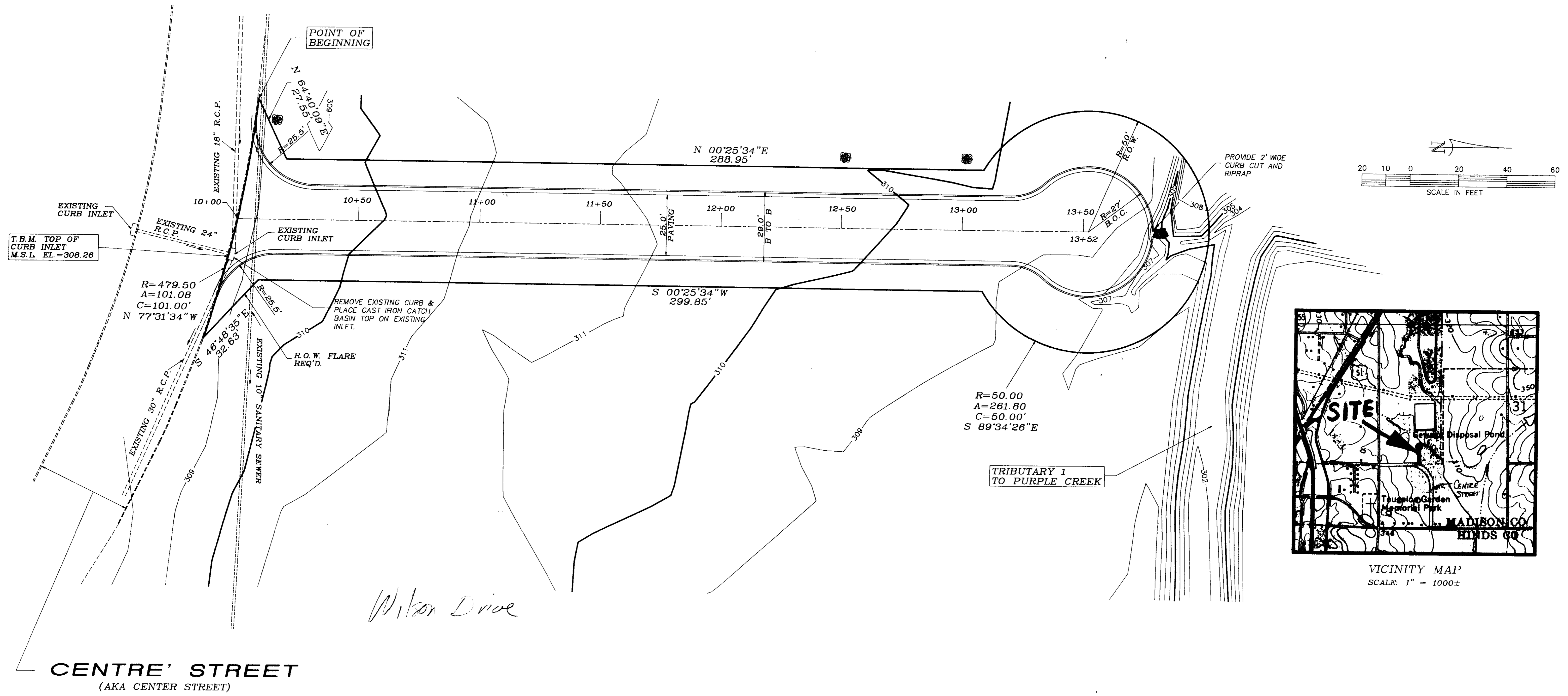
FENCE DETAIL
N.T.S.

GATE DETAIL
N.T.S.

CITY OF RIDGELAND, MS.

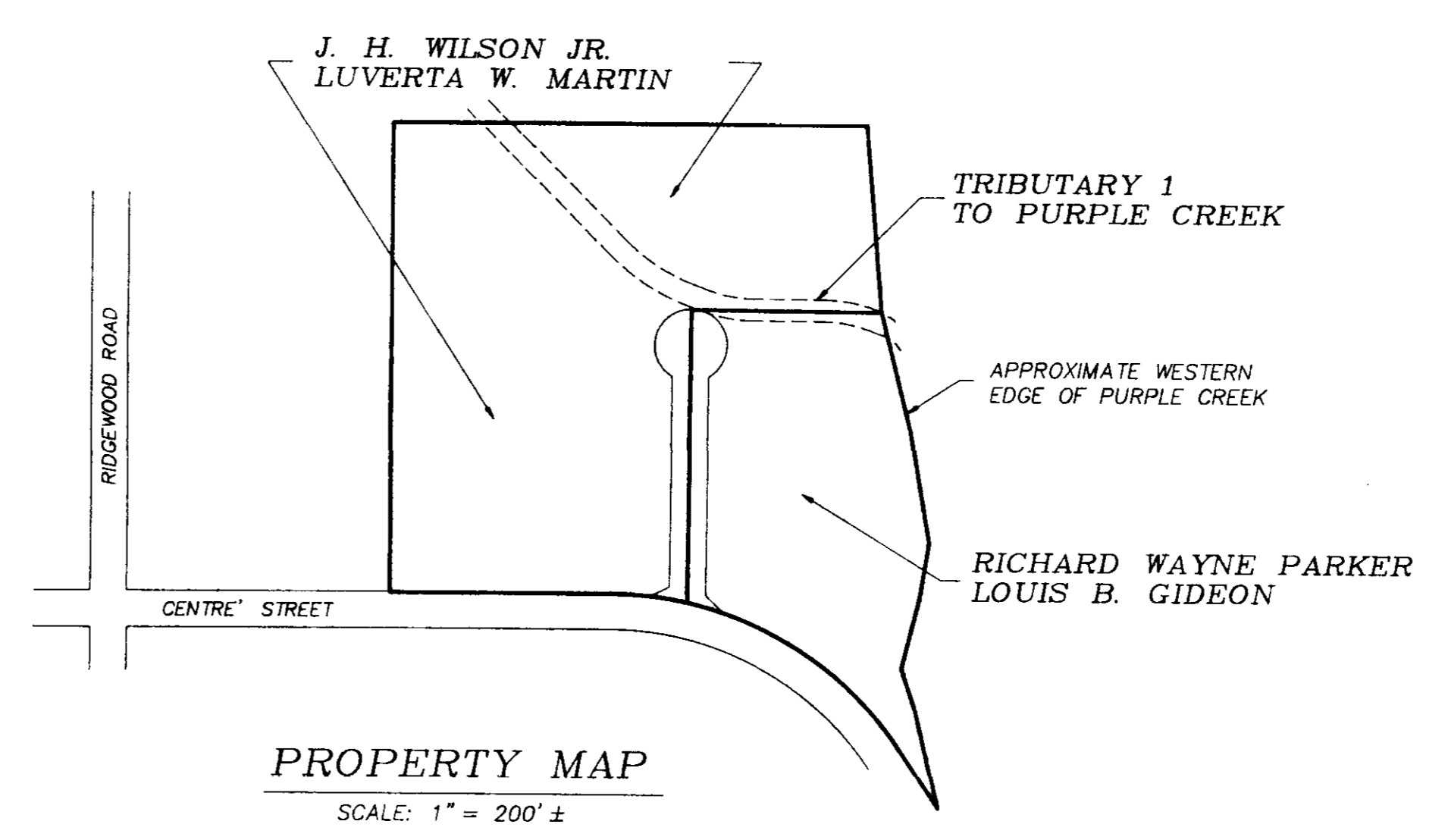
STANDARD DETAILS

DSGN	PLB		DRAWING NO.
DRWN	JF		9 of 9
CHKD			
SCALE	AS SHOWN		



CENTRE' STREET
(AKA CENTER STREET)

STREET NAME - CENTRE' COVE (NO LOTS)
 OWNERS - RICHARD WAYNE PARKER - 1425 LAKELAND DRIVE, SUITE 240-B, JACKSON MS. 39216
 LOUIS B. GIDEON - 4 RIVER BEND PLACE, SUITE 110, JACKSON, MS. 39208
 J. H. WILSON JR. - 2205 SUMMIT DRIVE, JACKSON, MS. 39213
 LUVERTA W. MARTIN - 311 VINE STREET, JACKSON, MS. 39213
 SIZE - 0.5382 ACRES



PROPERTY MAP
SCALE: 1" = 200' ±

PROPOSED STREET
 CITY OF RIDGELAND
 MADISON COUNTY,
 MISSISSIPPI

SURVEYED & MAPPED
 BY
 ROBERT B. BARNES
 CIVIL ENGINEER
 &
 LAND SURVEYOR
 JACKSON, MISSISSIPPI
 APRIL 10, 1991