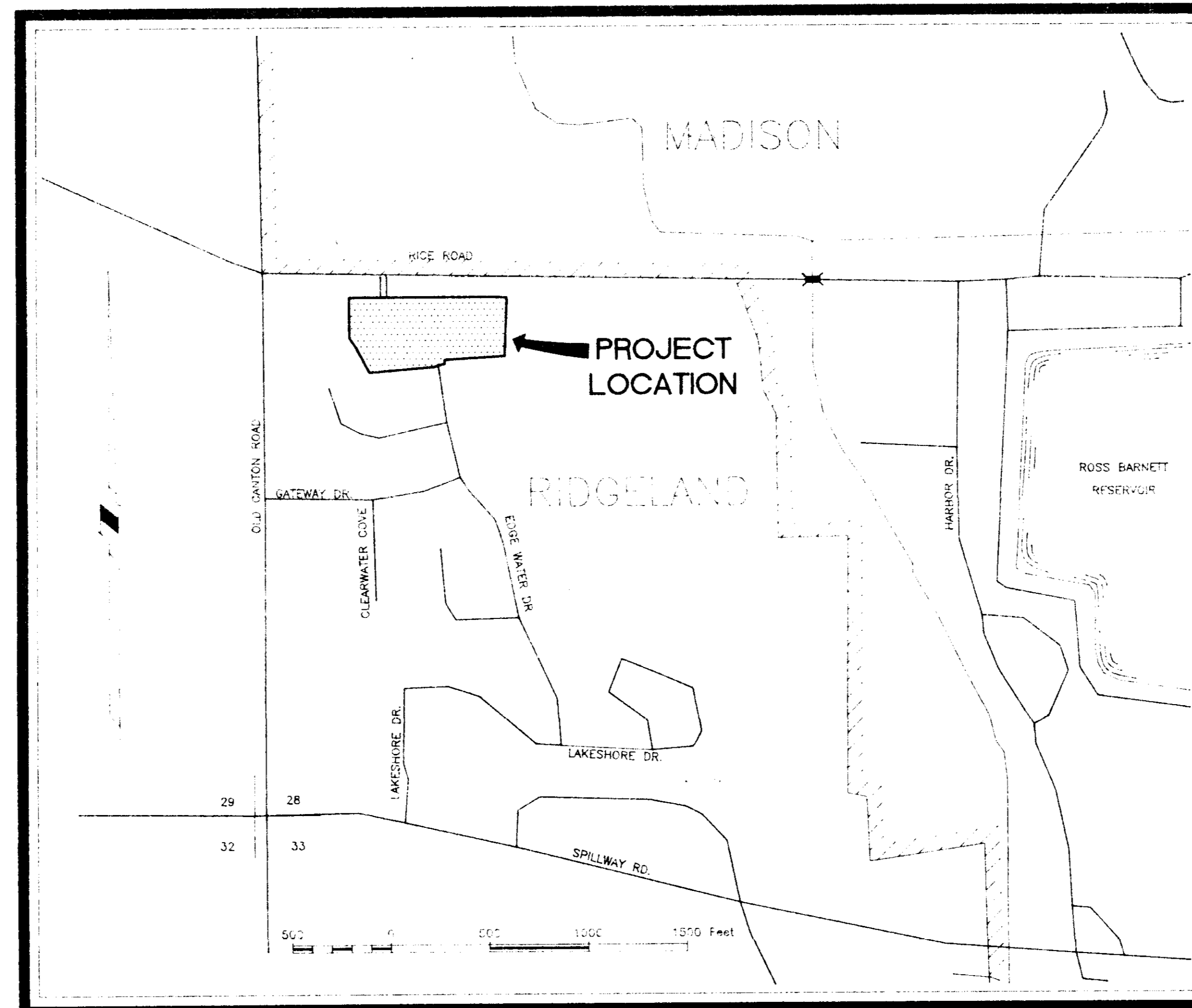


CONSTRUCTION PLANS
FOR
HUNTINGTON SUBDIVISION
RIDGELAND, MISSISSIPPI



VICINITY MAP

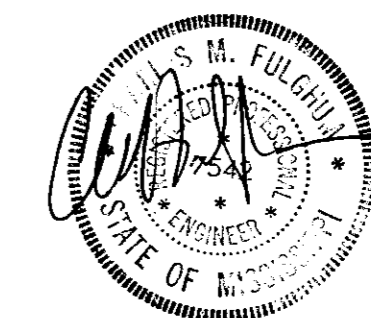
SCALE 1" = 500'

PREPARED BY:

Armstrong, Fulghum Engineers

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(601) 932-2009



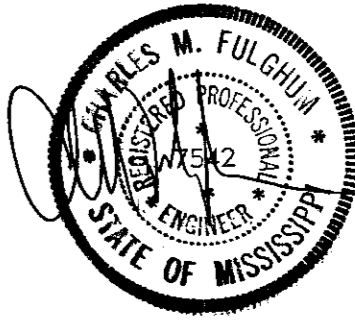
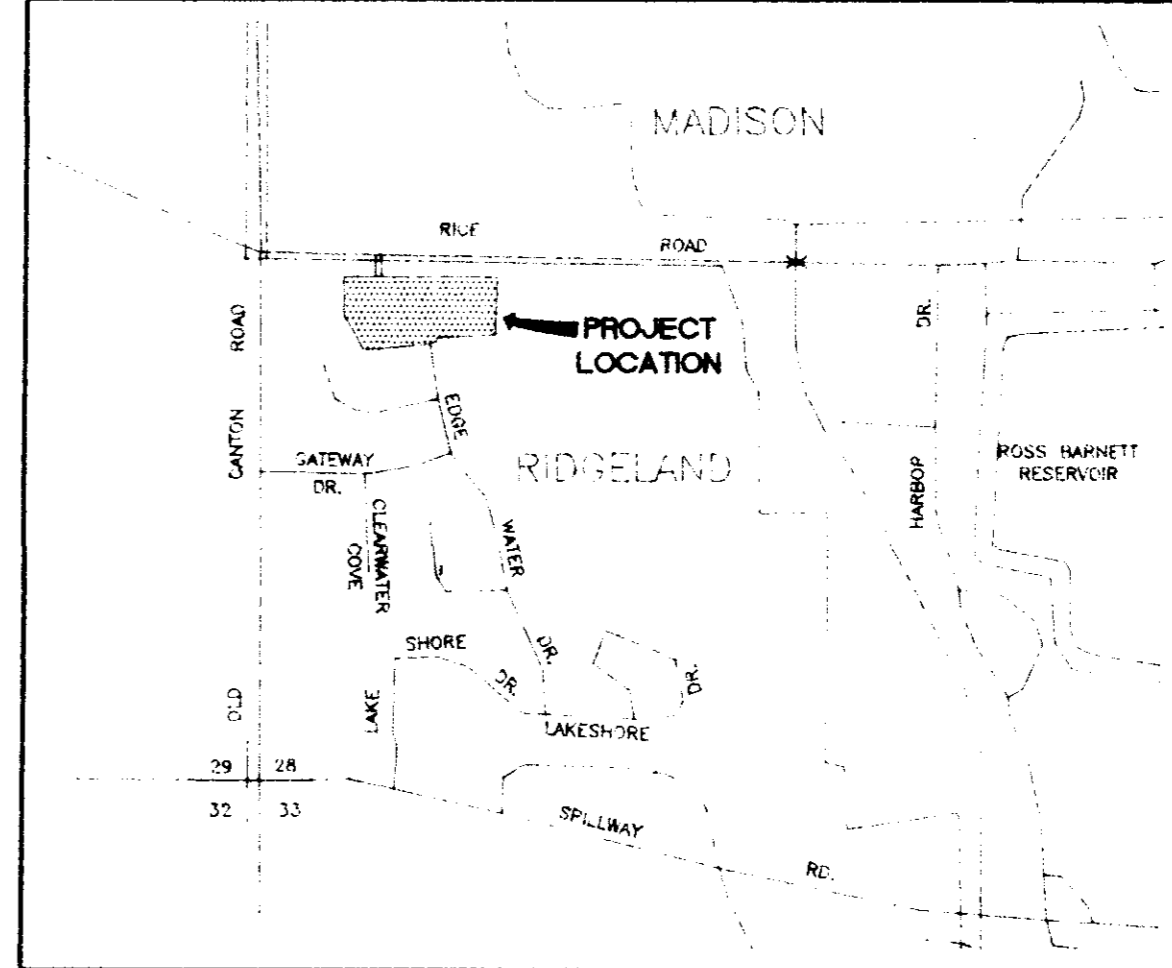
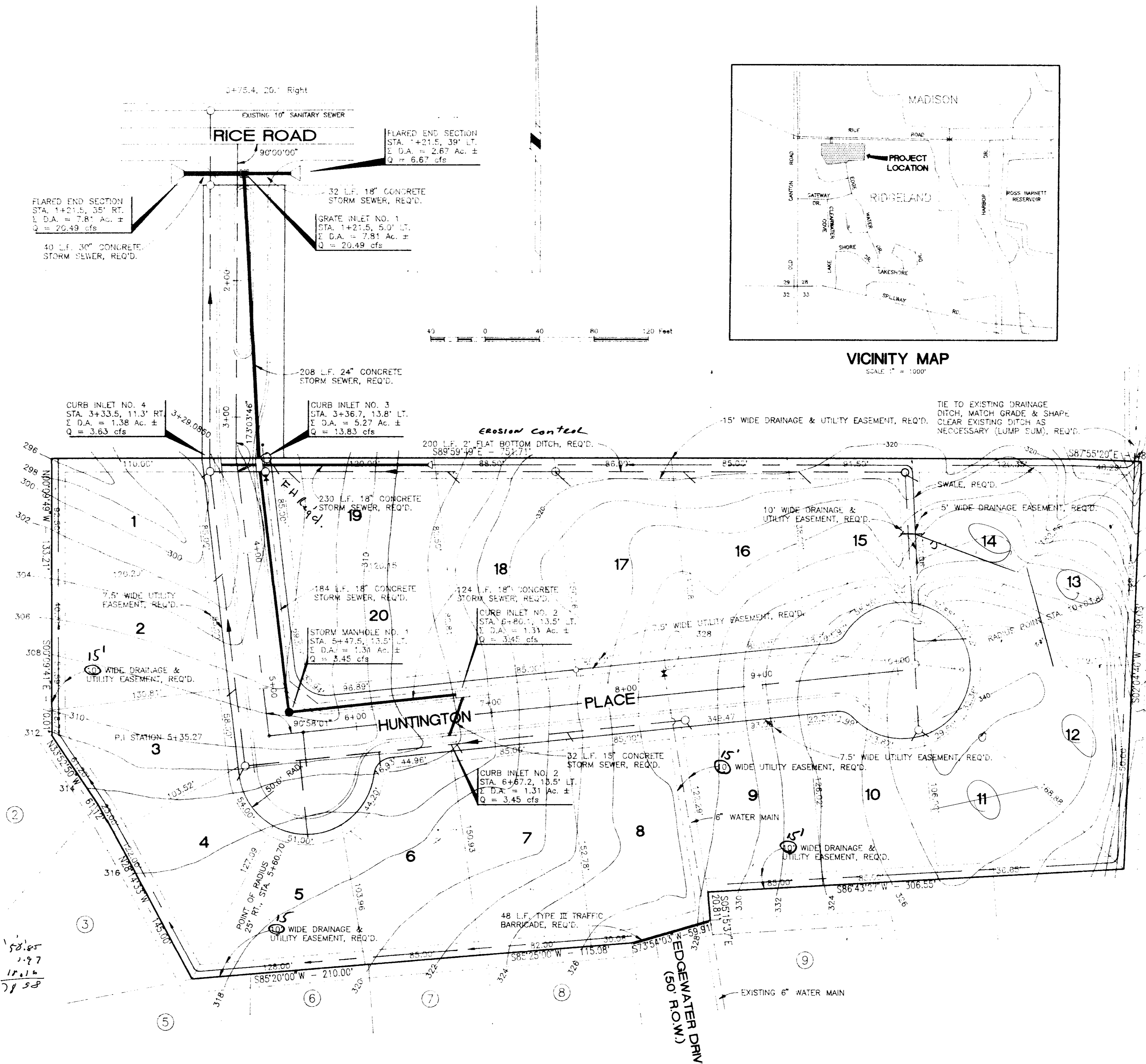
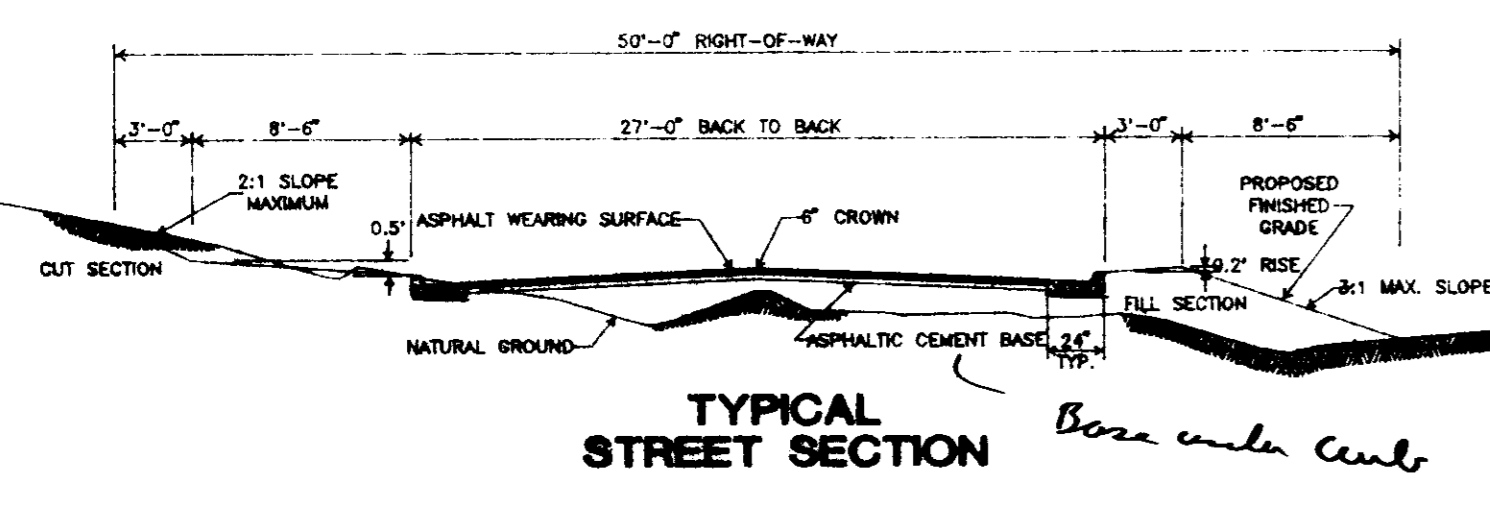
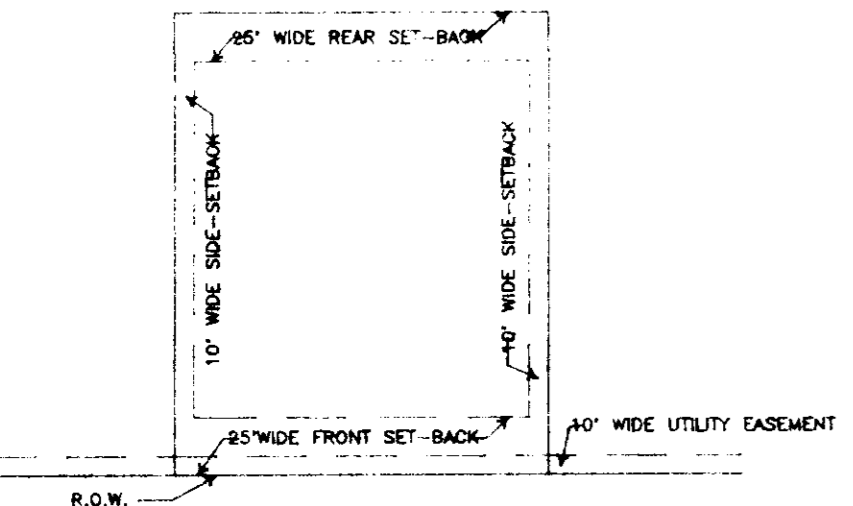
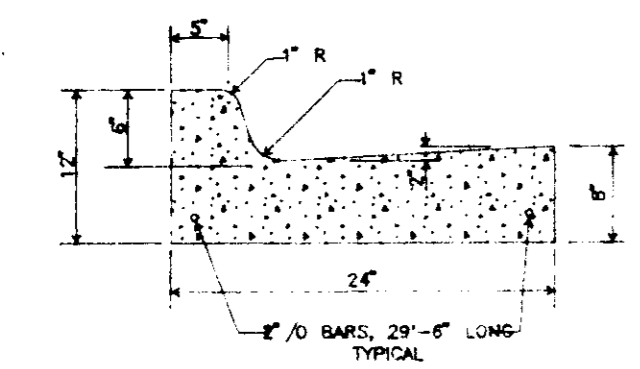
PWP-00814

SUMMARY OF LOT AREAS			
LOT NO.	SQUARE FEET	LOT NO.	SQUARE FEET
10	10,189	11	11,313
11	11,313	12	11,593
12	11,593	13	11,754
13	11,754	14	10,586
14	10,586	15	12,110
15	12,110	16	12,854
16	12,854	17	13,894
17	13,894	18	14,401
18	14,401	19	15,401

Minimum lot size in R-2 District
10,500 sf.

NOTES

- 1/2" Expansion Joint Reqd @ 30' c.c.
- 2-3/4" Dowel Bars, 15' Long Reqd. At All Expansion Joints. They Shall Be Held In Place By Approved Chairs Or Supports, & 1/2" Expansion Material. 1/4" Contraction Joint Reqd @ 10' c.c.
- All Curb And Gutter And Driveways To Be Constructed Of 1:2:4 Mix Concrete.

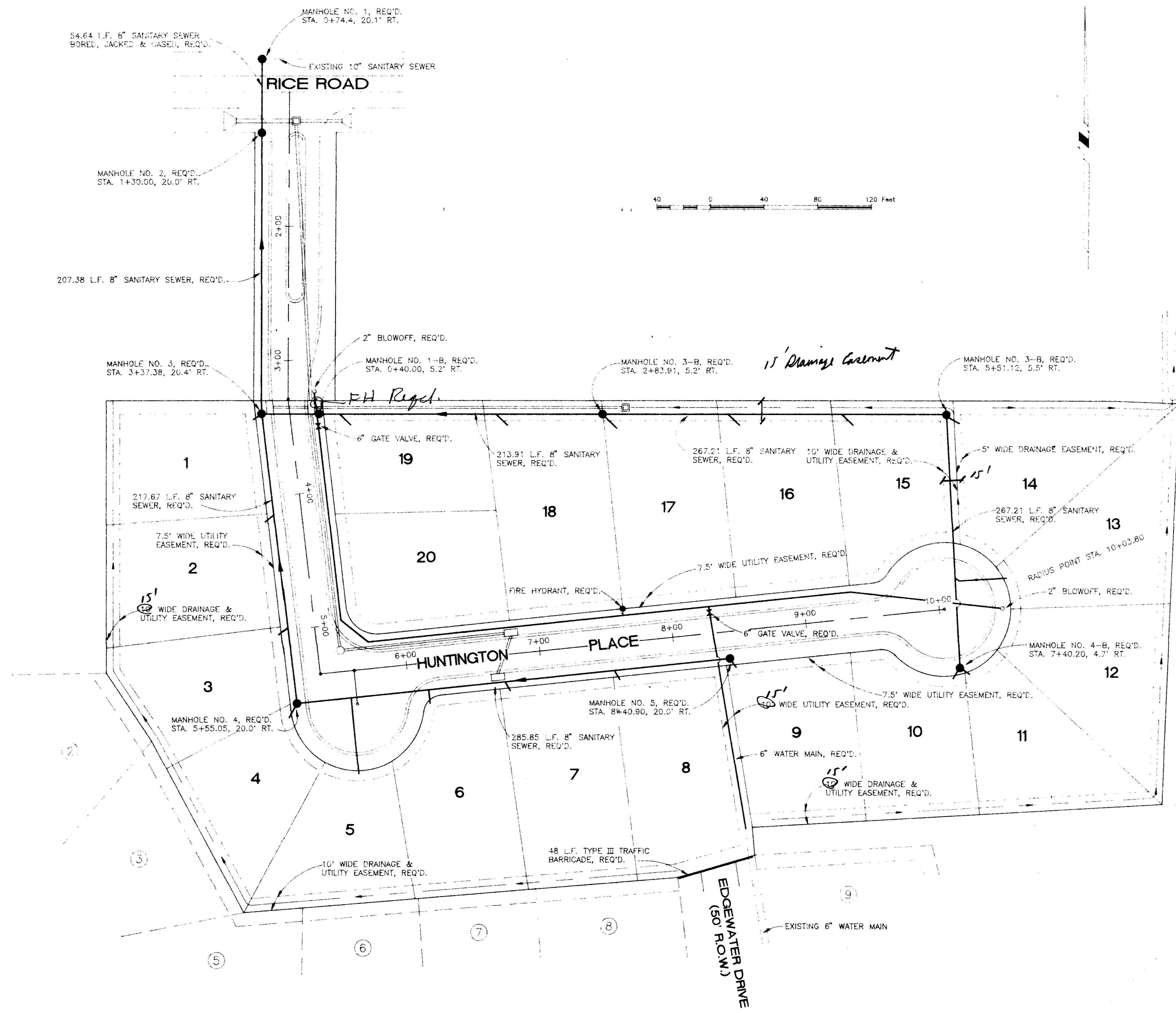


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CONSULTING ENGINEERS
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601-939-2039
601-939-1634

DRAINAGE AND GEOMETRIC PLAN FOR HUNTINGTON SUBDIVISION
CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI

PROJECT NO.	1248
FILE NAME	2480DG02
SCALE	1" = 40'
DRAWN BY	J.S.
CHECKED BY	C.M.F.
DATE	AUG. 26, 1992
SHEET NO.	2 OF 11

NOTE: DISTANCES SHOWN IN CURVES ARE CHORD DISTANCE.

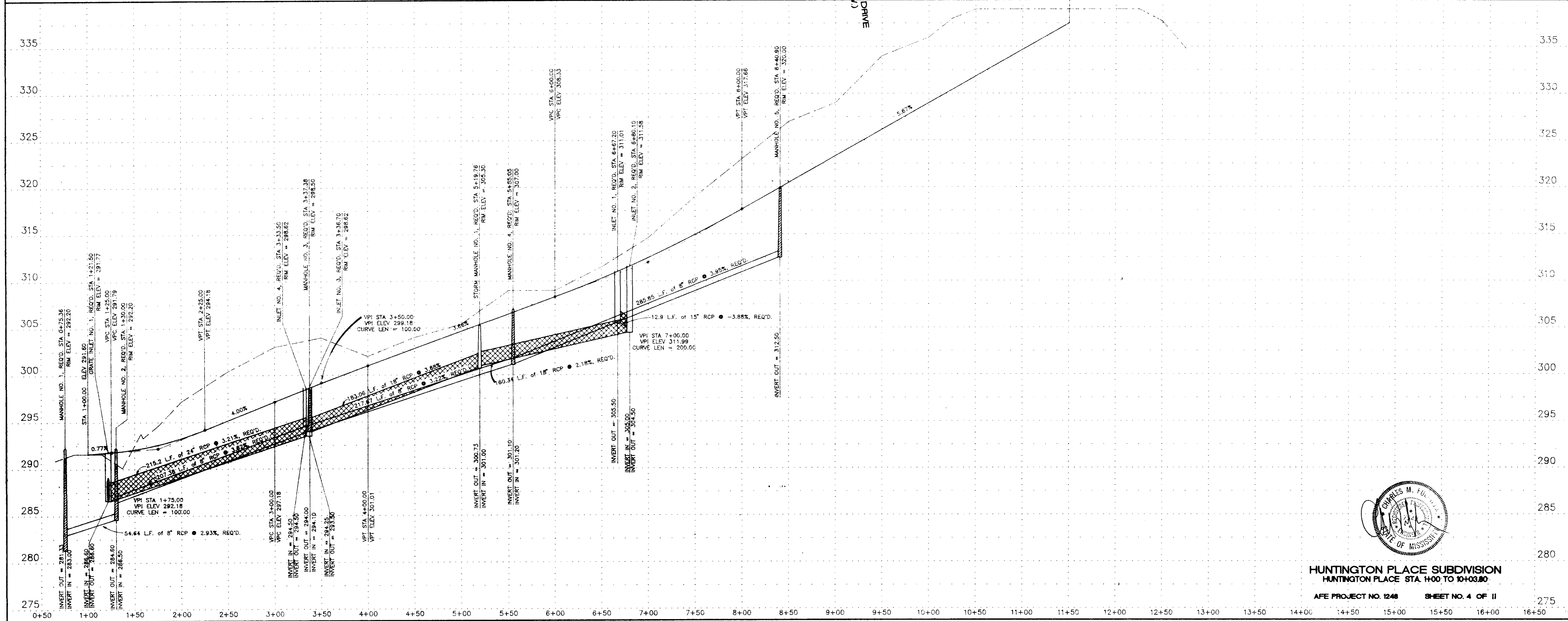
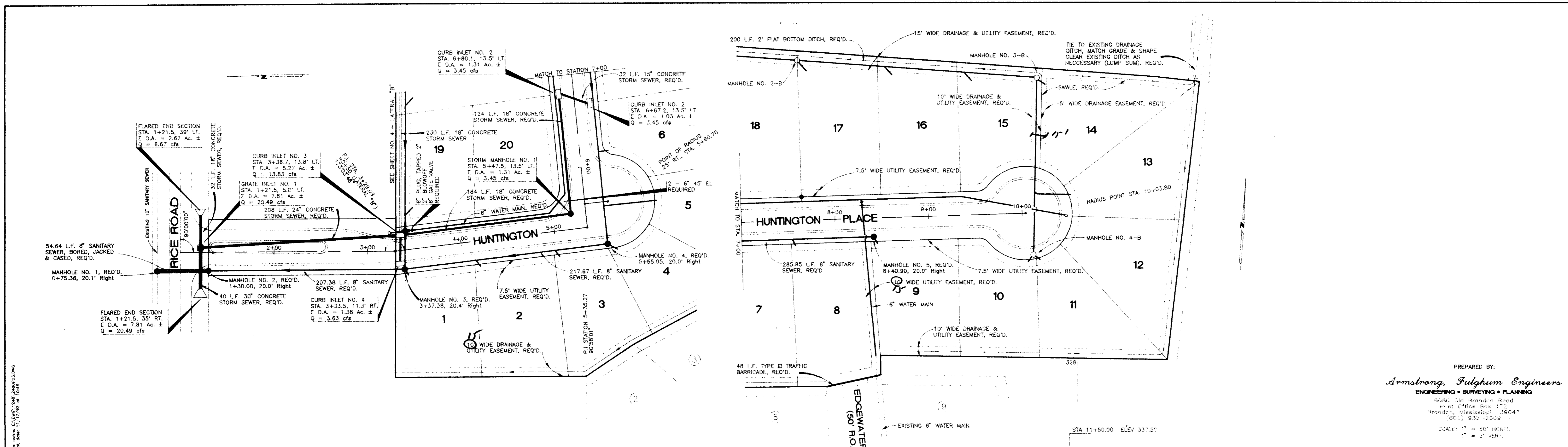


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 601-939-1834

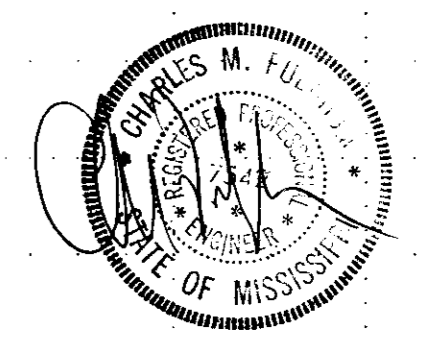
UTILITY PLAN FOR
HUNTINGTON SUBDIVISION
 CITY OF RIDGELAND
 MADISON COUNTY, MISSISSIPPI

PROJECT NO.	1248
FILE NAME	2480UP03
SCALE	1" = 40'
DRAWN BY	J.S.
CHECKED BY	C.M.F.
DATE	AUG. 26, 1992
SHEET NO.	3 OF 11

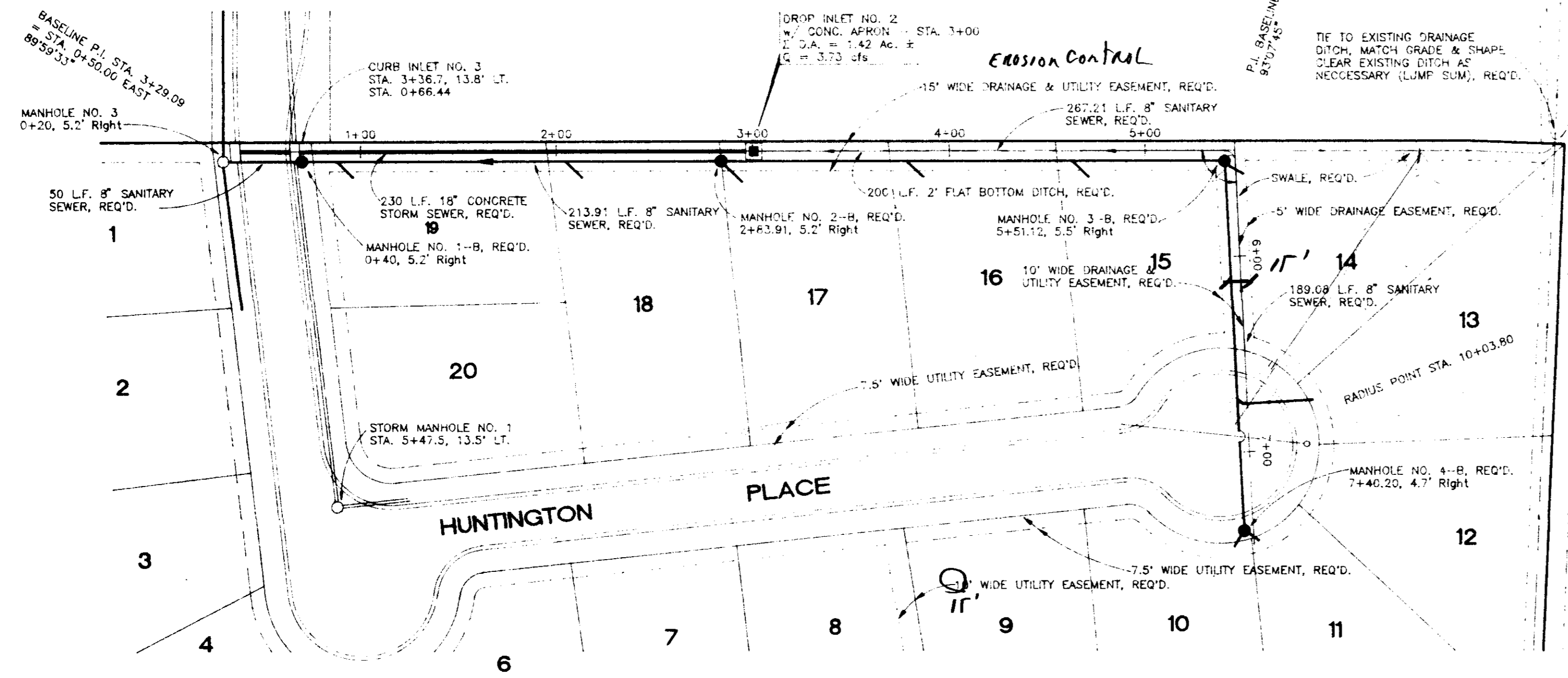




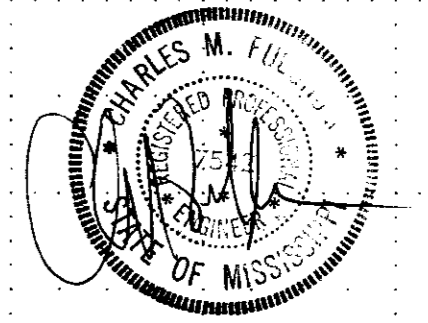
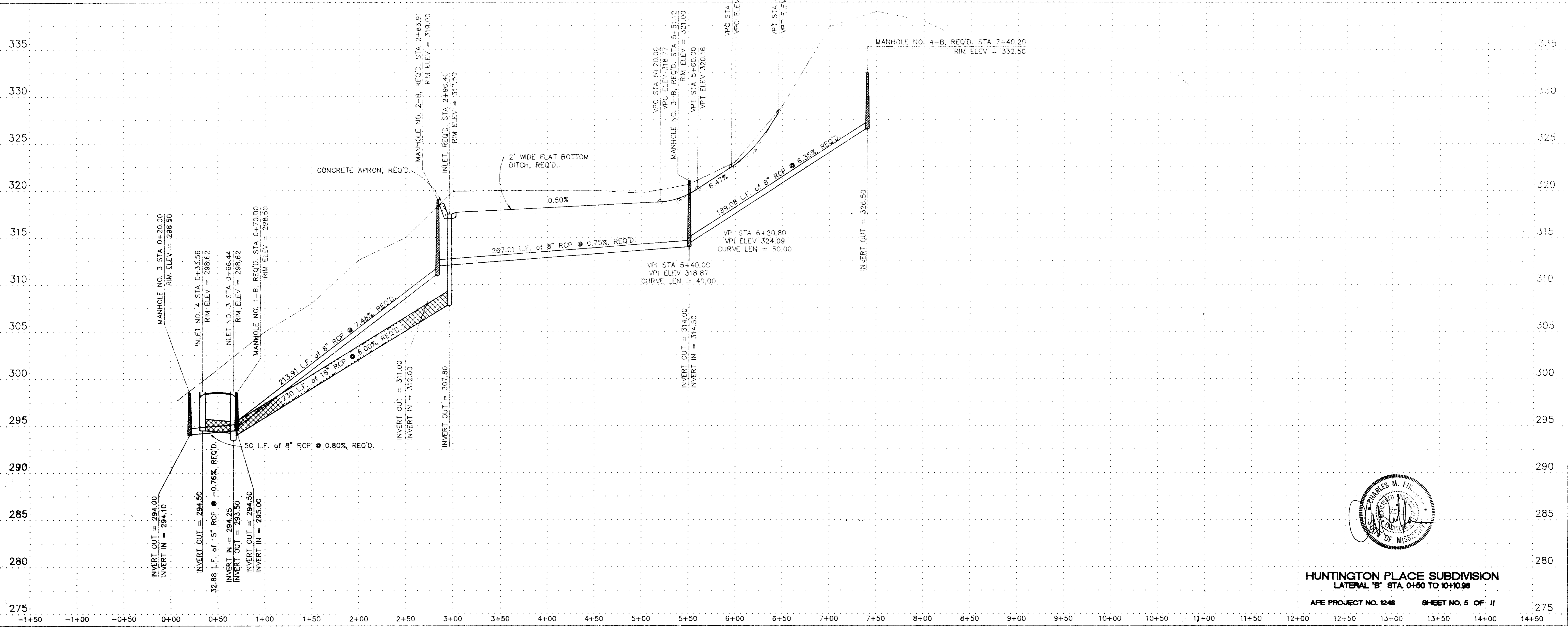
PREPARED BY:
Armstrong, Fulghum Engineers
 ENGINEERING • SURVEYING • PLANNING
 6036 Old Brandon Road
 P.O. Office Box 173
 Brandon, Mississippi 39041
 (601) 932-2009
 SCALE: 1" = 50' HORIZ.
 1" = 5' VERT.



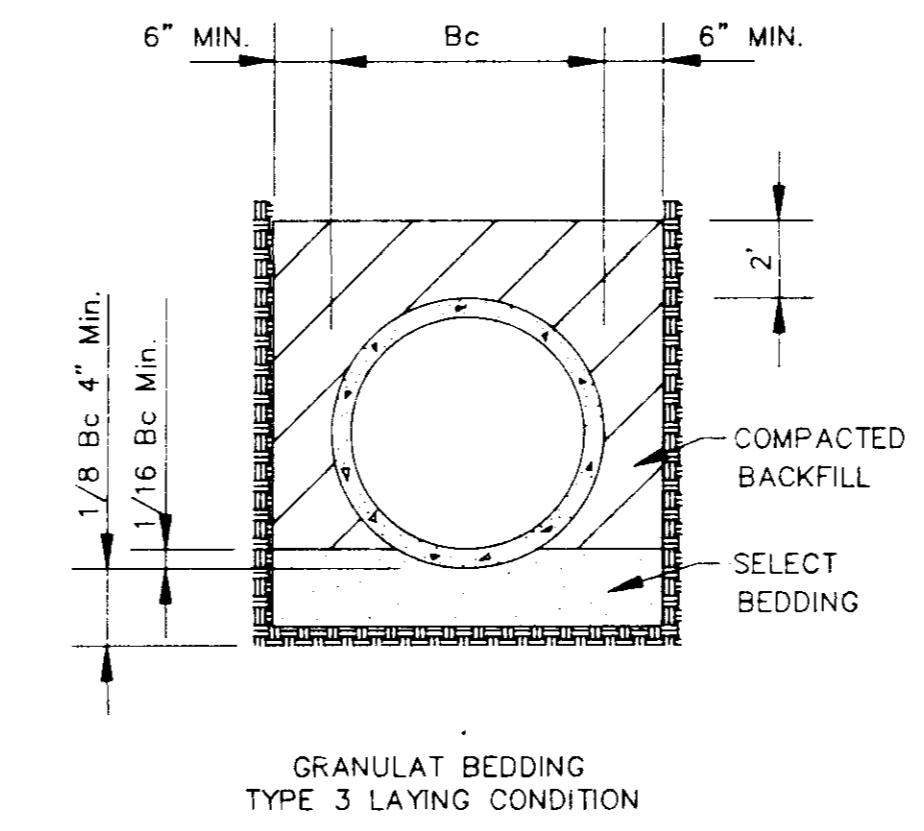
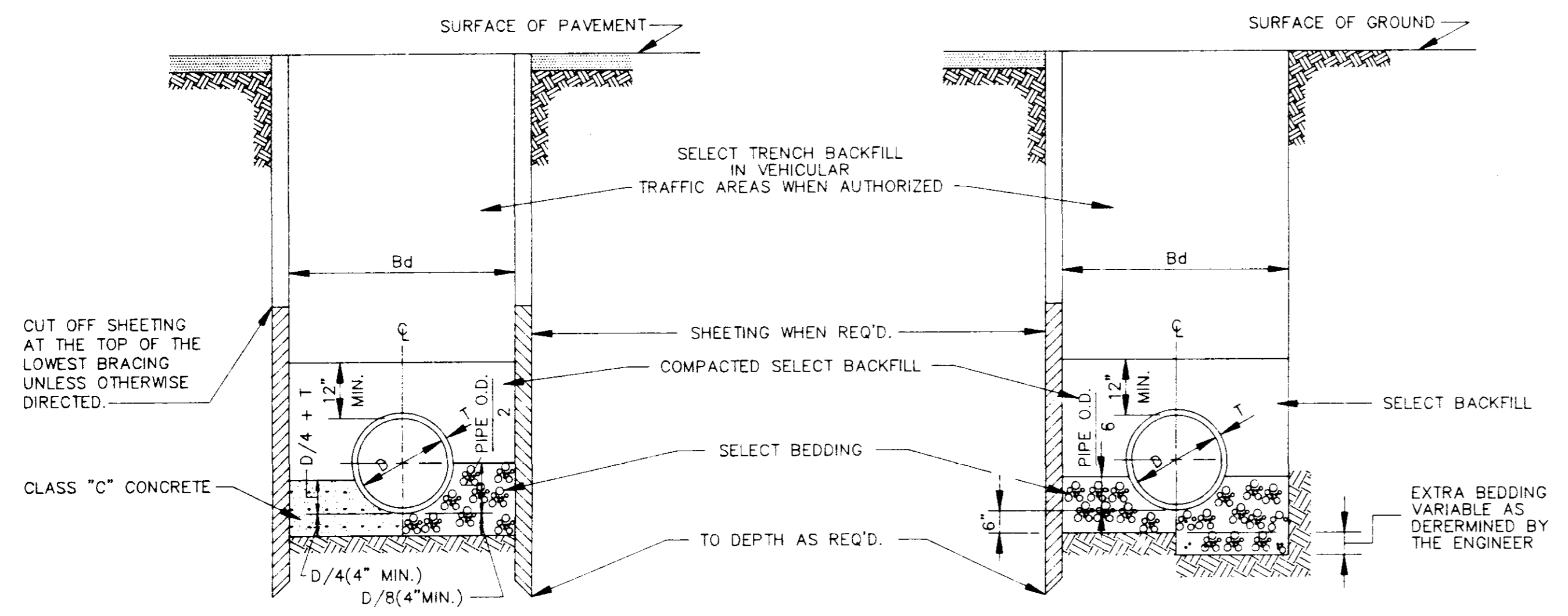
HUNTINGTON PLACE SUBDIVISION
 HUNTINGTON PLACE STA. 1+00 TO 10+03.80
 AFE PROJECT NO. 1248 SHEET NO. 4 OF 11



PREPARED BY:
Armstrong, Fulgham Engineers
 ENGINEERING • SURVEYING • PLANNING
 6134 Old Brandon Road
 Post Office Box 172
 Brandon, Mississippi 39041
 (601) 930-2049
 SCALE: 1" = 50' HORIZ.
 1" = 5' VERT.



HUNTINGTON PLACE SUBDIVISION
 LATERAL 'B' STA. 0+50 TO 10+00
 AFE PROJECT NO. 1248 SHEET NO. 5 OF 11



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) 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	"

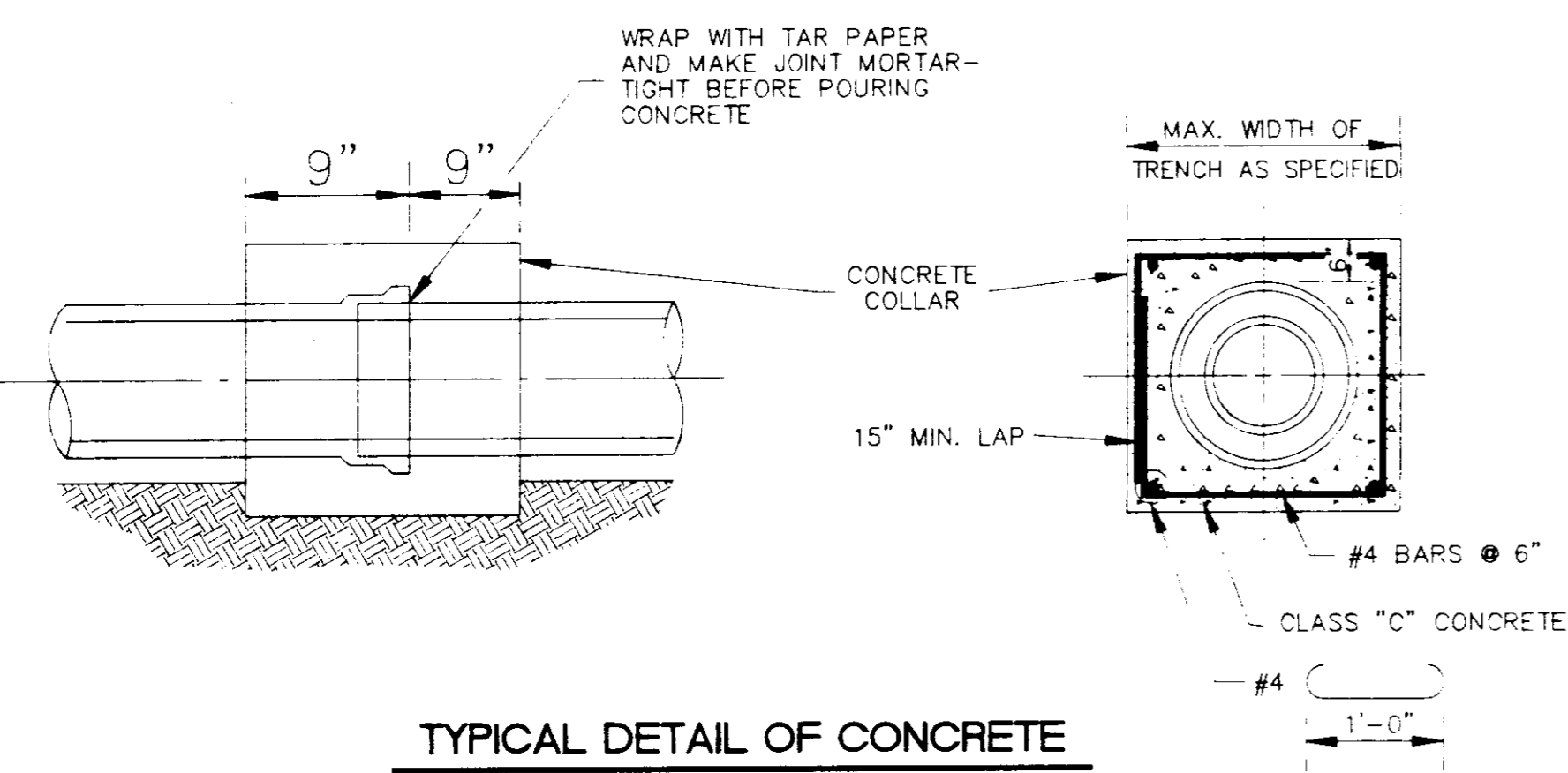
TABLE "B" GAGES OF LINER PLATE FOR CONTINUOUS LOAD-CARRYING STRUCTURES

NOMINAL DIA. (INCHES)	HEIGHT OF COVER (FEET)									
	2-5	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	10	8	7
54	12	12	12	12	12	12	12	10	8	7
60	12	12	12	12	12	12	12	10	8	7
66	12	12	12	12	12	10	8	5	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	10	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	8	8	7	5	5	5	5	3
144	8	8	8	5	5	3	1	1	1	1

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

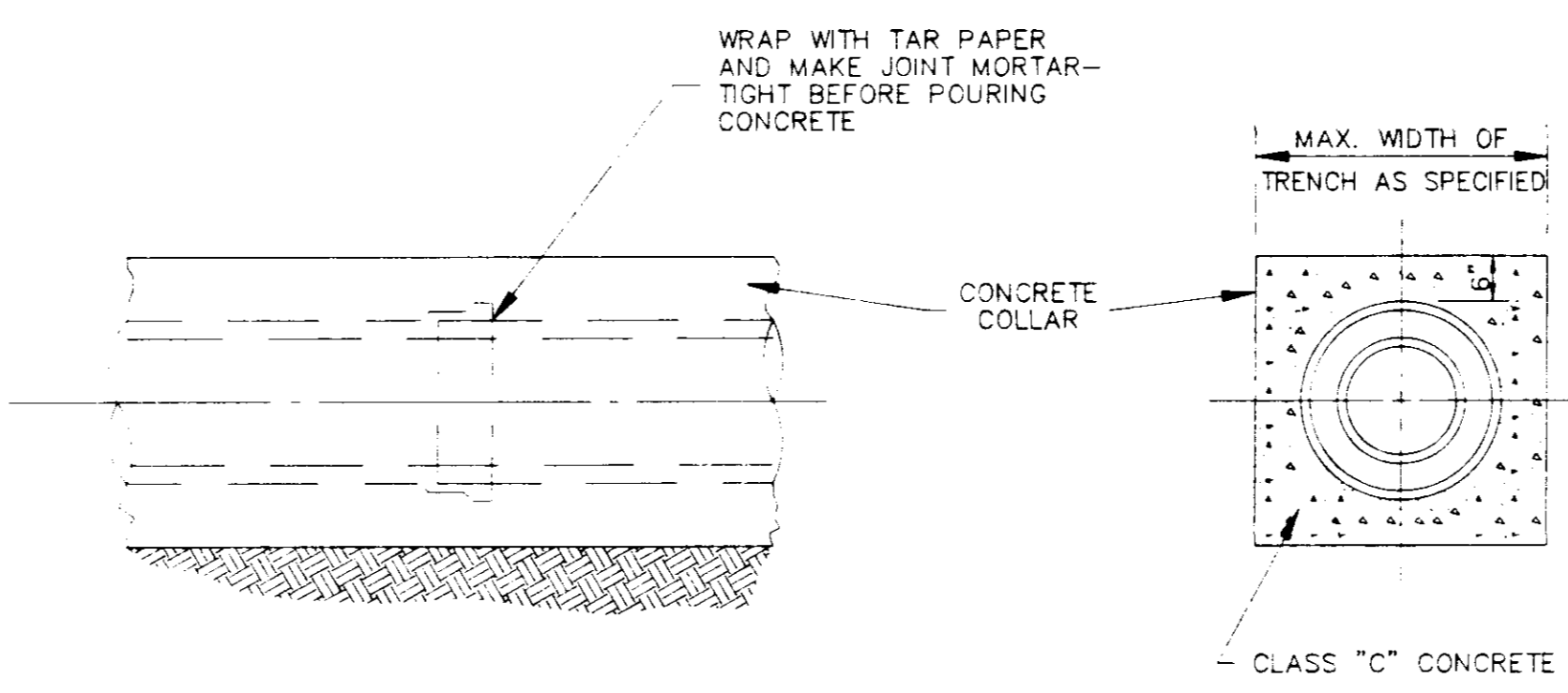
CASING PIPE

SIZE AND THICKNESS OF PIPE FOR RAILROAD & HIGHWAY CROSSING



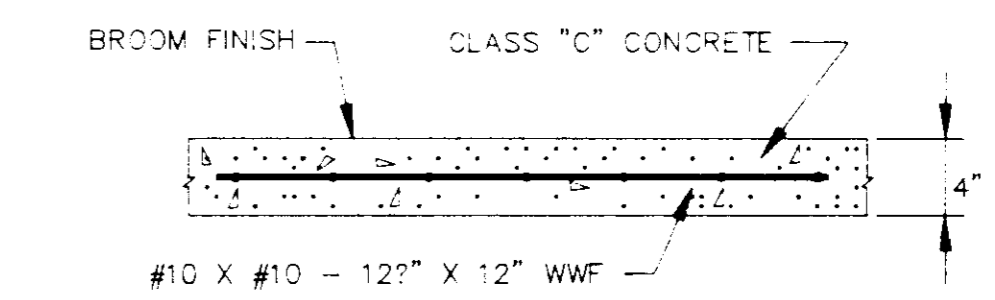
TYPICAL DETAIL OF CONCRETE COLLAR

N.T.S.

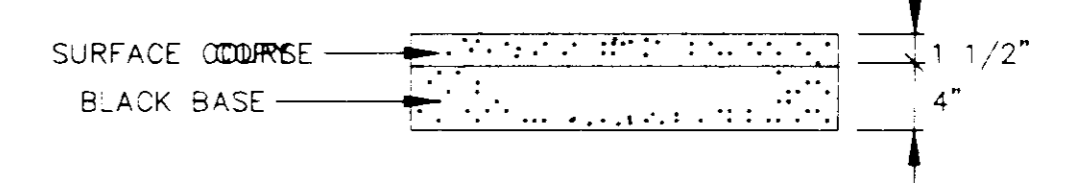


TYPICAL DETAIL OF CONCRETE ENCASMENT

N.T.S.



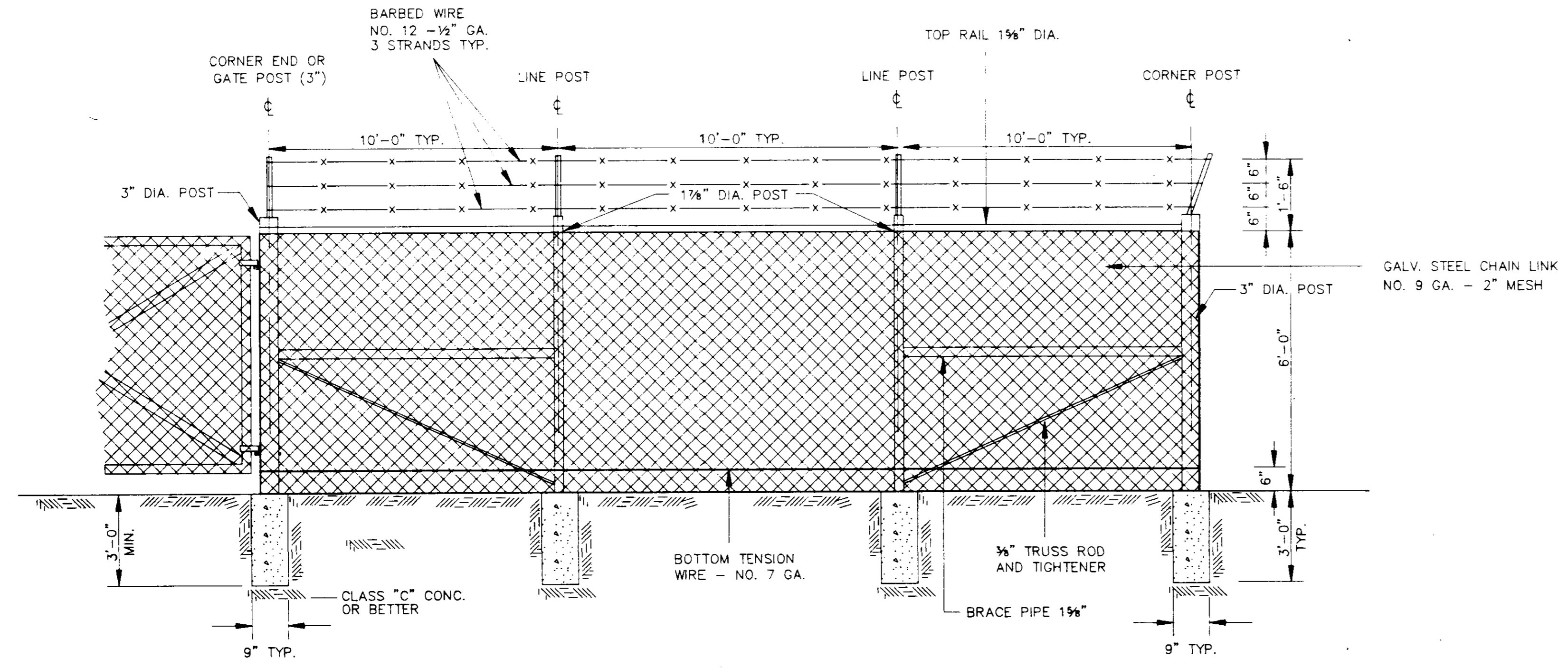
TYPICAL CONC. DRIVEWAY AND SIDEWALK REPAIR



TYPICAL ASPHALT DRIVEWAY REPAIR



TYPICAL GRAVEL DRIVEWAY REPAIR



CHAIN LINK FENCE DETAIL

N.T.S.

CITY OF RIDGELAND MISCELLANEOUS DETAILS

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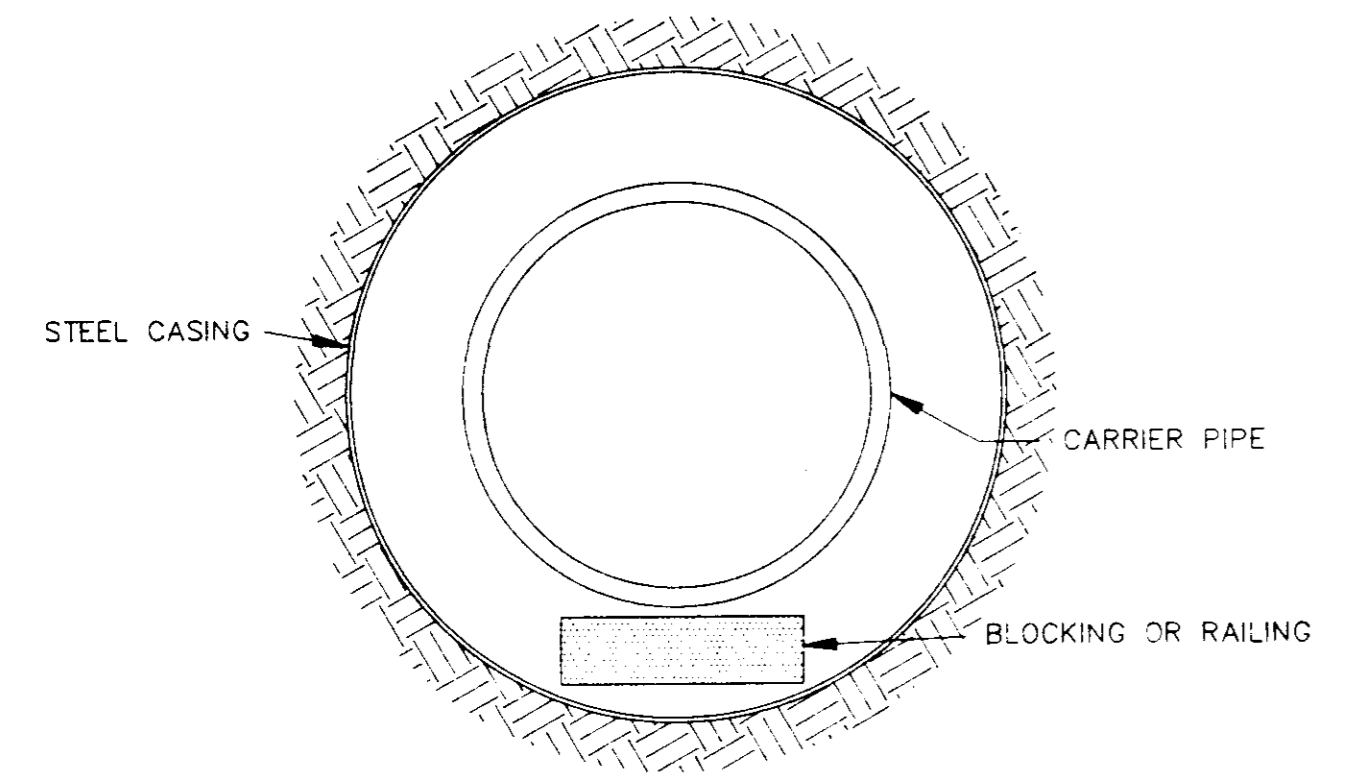
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HUNTINGTON SUBDIVISION

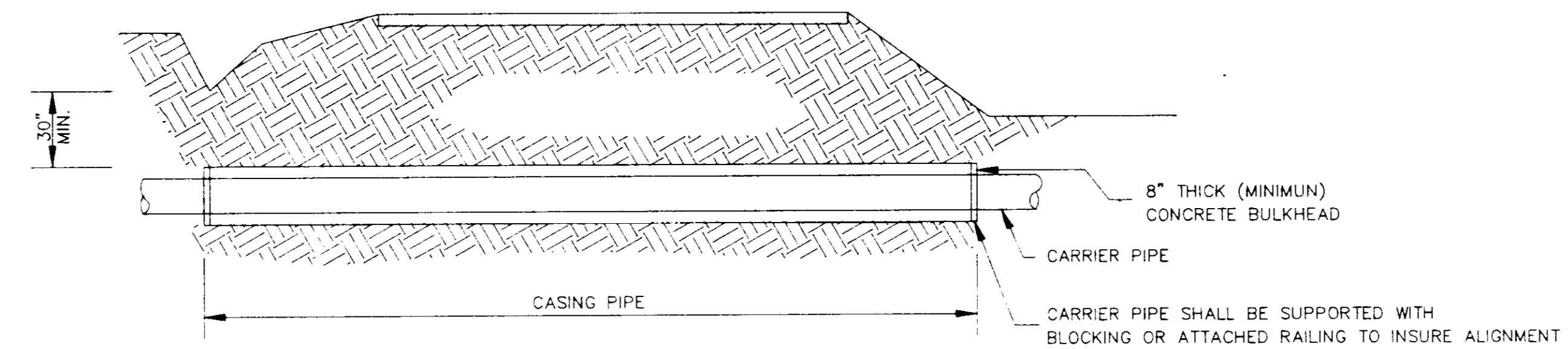
DSGN:		DRAWING NO.	
DRWN:			6 OF 11
CHKD:			
SCALE:			

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"

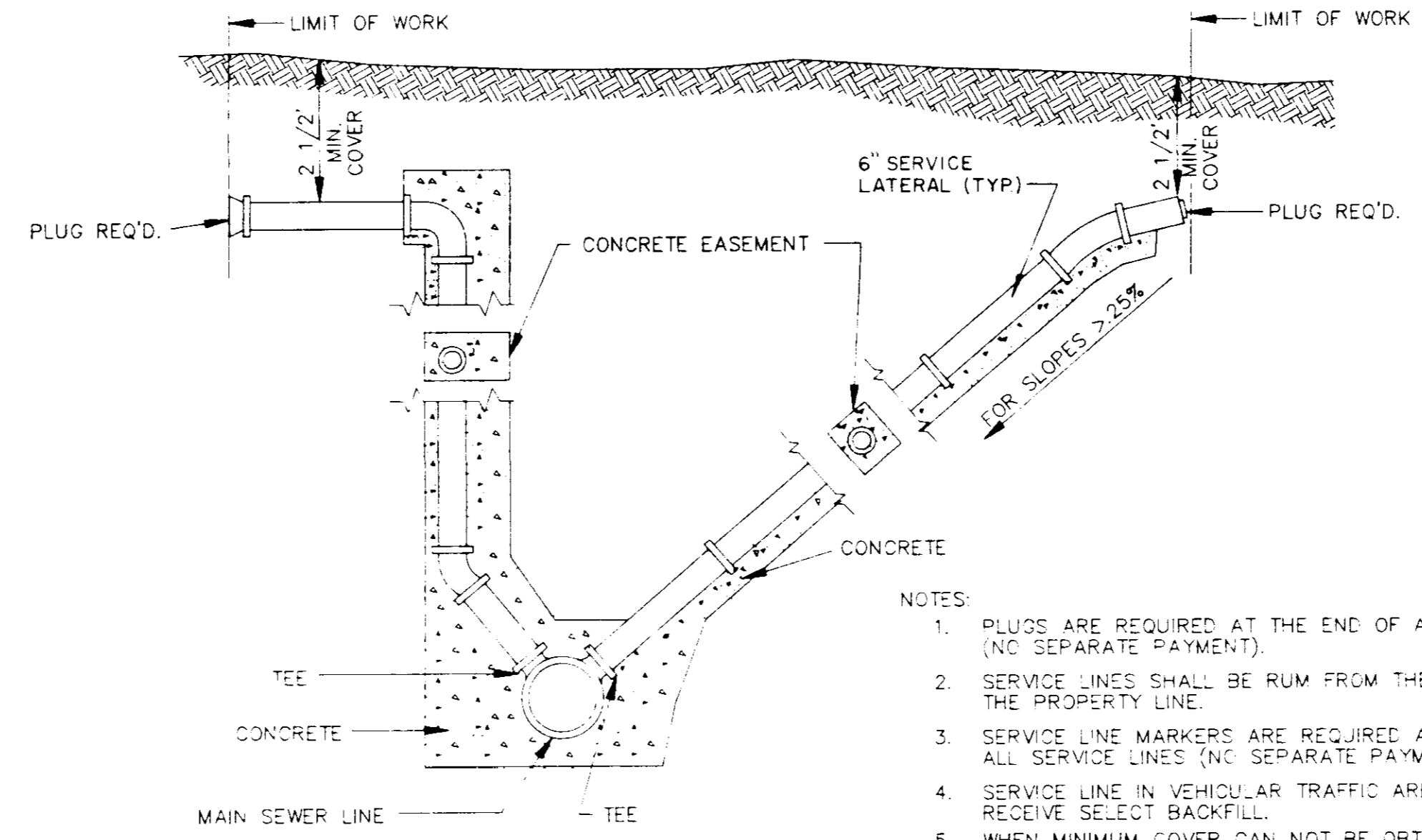
* SEE SECTIONAL PLAN, STANDARD MANHOLE
** PRECAST MANHOLE



BORE SECTION
N.T.S.

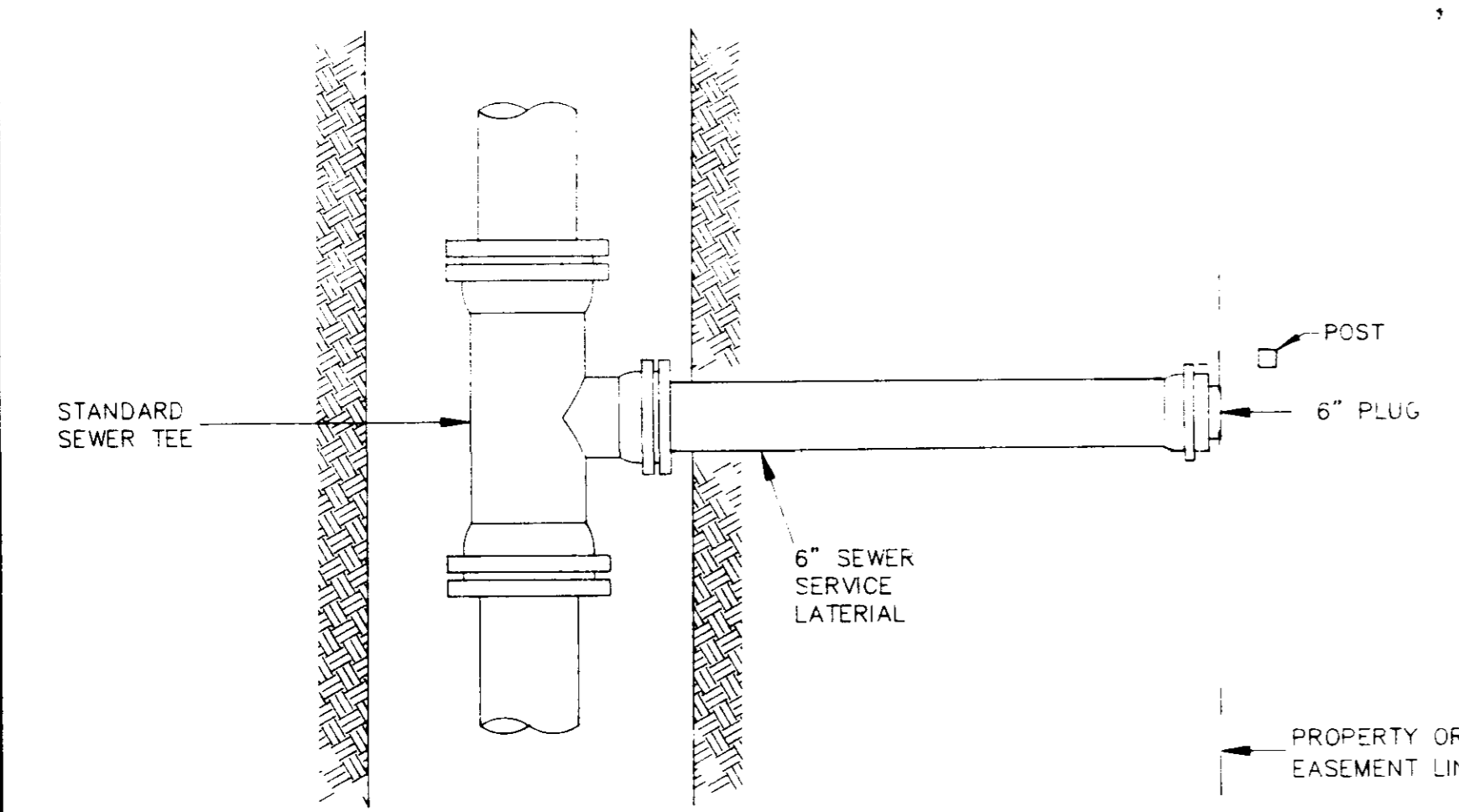


TYPICAL BORE SECTION
N.T.S.

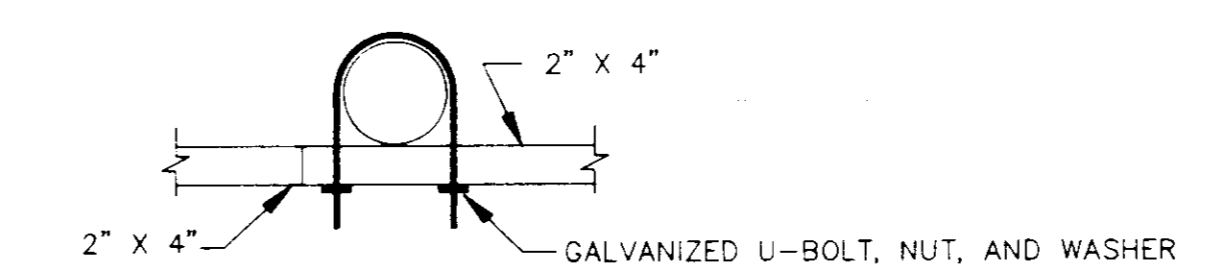


- NOTES:
1. PLUGS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
 2. SERVICE LINES SHALL BE RUM FROM THE SEWER LINES TO THE PROPERTY LINE.
 3. SERVICE LINE MARKERS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
 4. SERVICE LINE IN VEHICULAR TRAFFIC AREA SHALL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

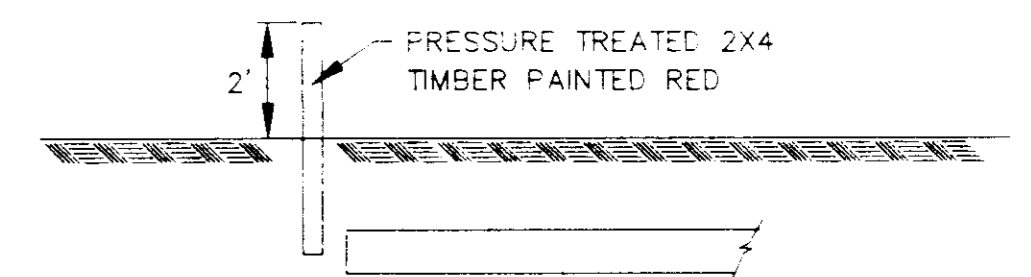
SERVICE CONNECTION FOR DEEP SEWER
N.T.S.



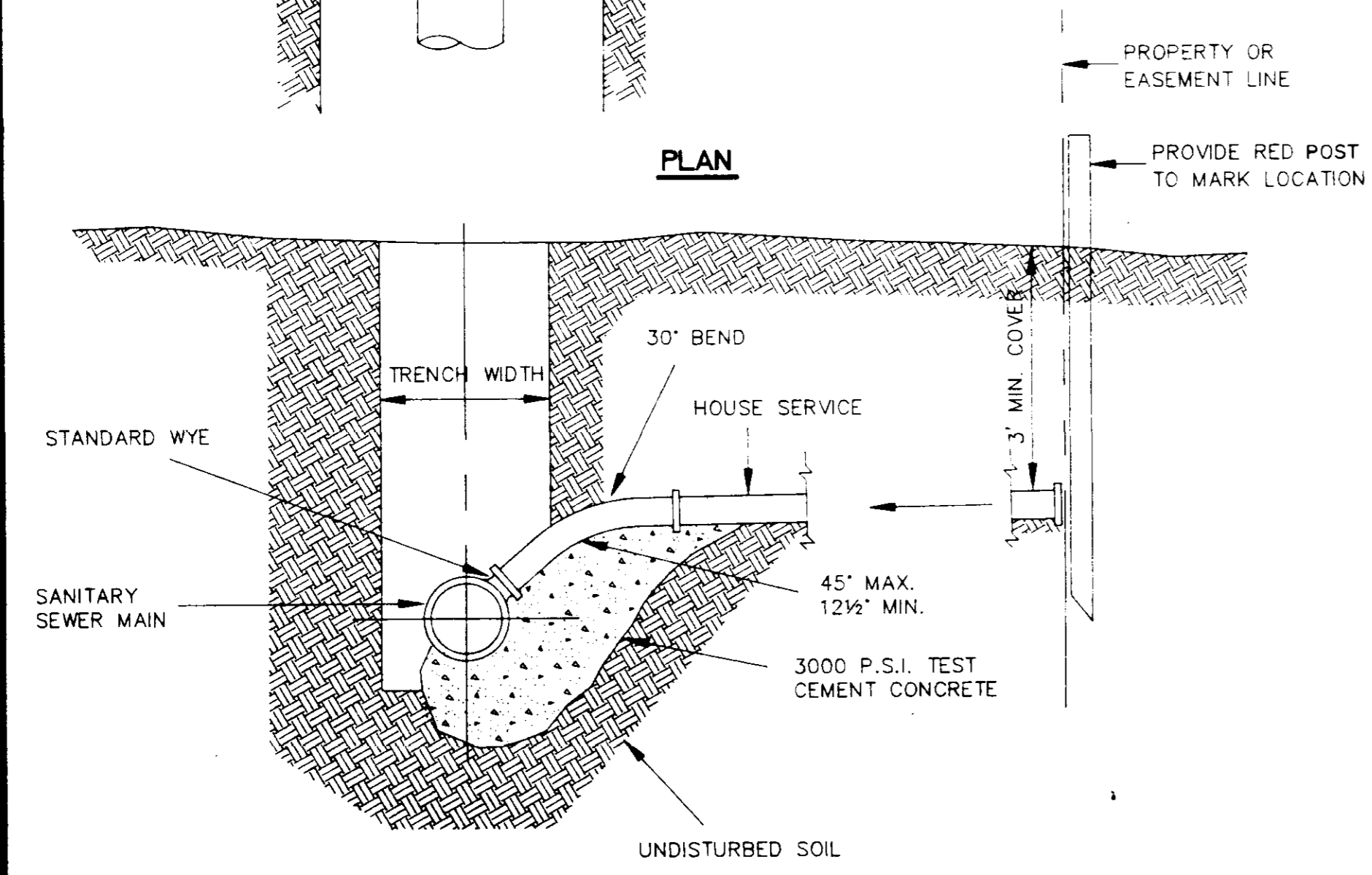
PLAN



SUPPORT MOUNTING DETAIL
N.T.S.

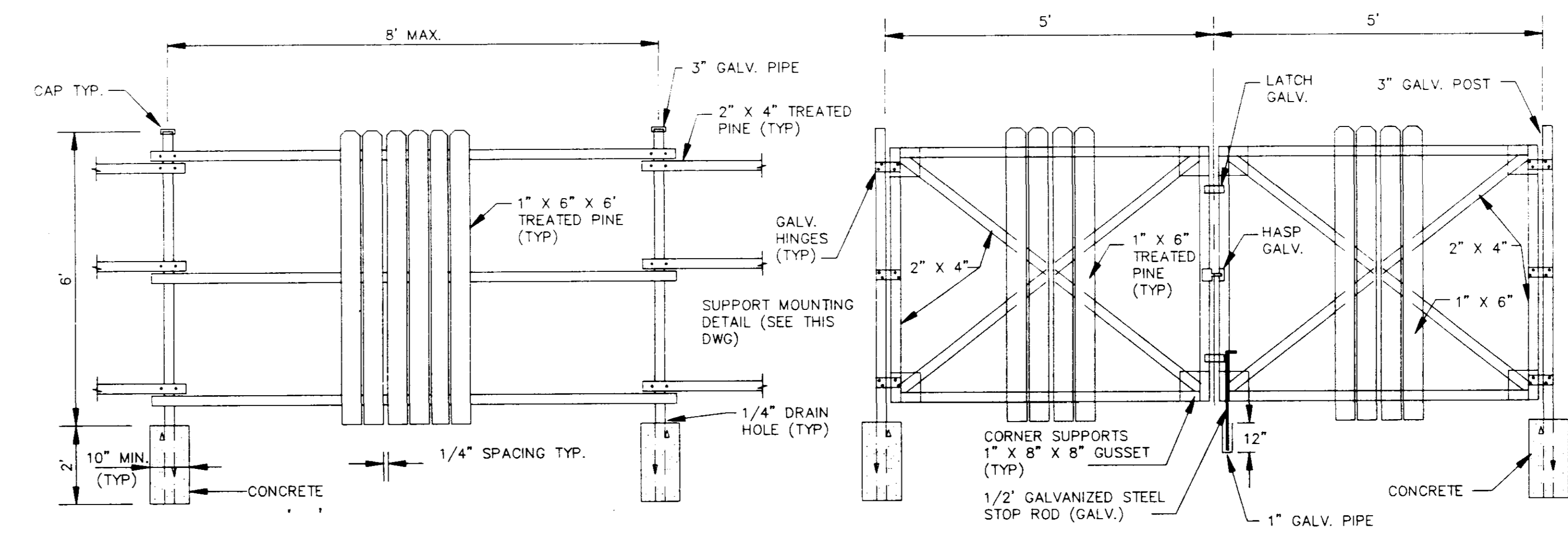


SERVICE LINE MARKER
(NO SEPARATE PAYMENT)
N.T.S.



ELEVATION

SEWER SERVICE CONNECTION
N.T.S.



FENCE DETAIL
N.T.S.

GATE DETAIL
N.T.S.

**CITY OF RIDGELAND
MISCELLANEOUS DETAILS**

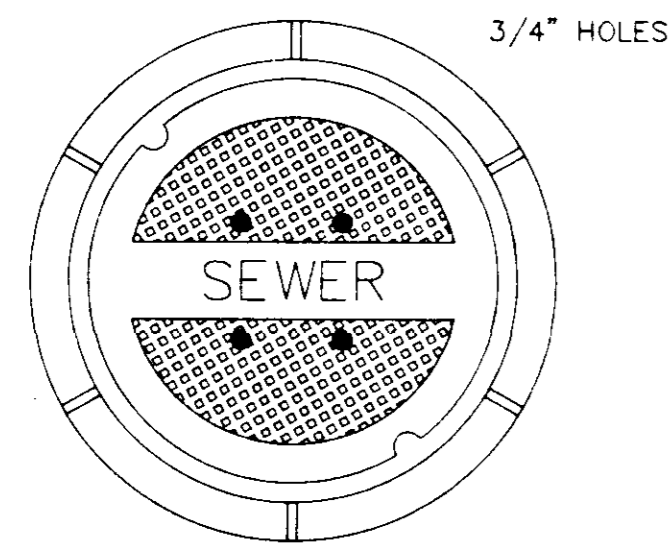
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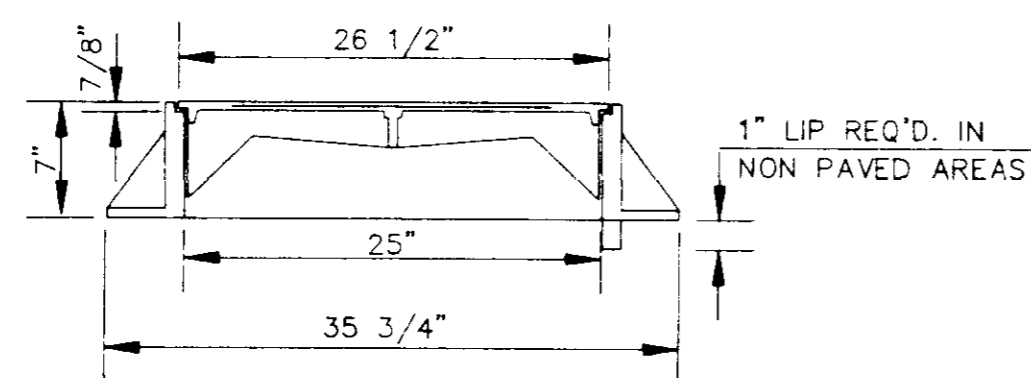
DSGN:		DRAWING NO.
DRWN:		7 of 11
CHKD:		
SCALE:		

BRUNING 7/27/24 FROM 4/15/25

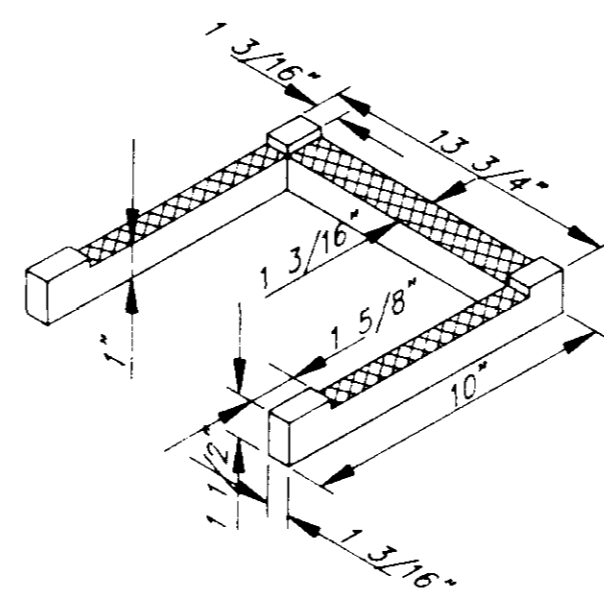


TOP PLAN OF COVER

FRAME & COVER WEIGHT 420 LBS.

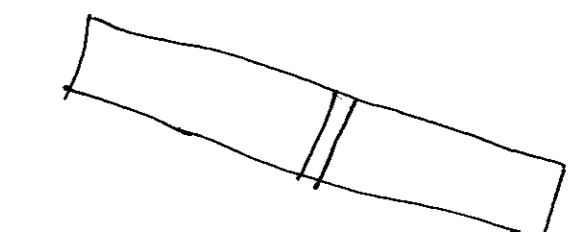


SECTION



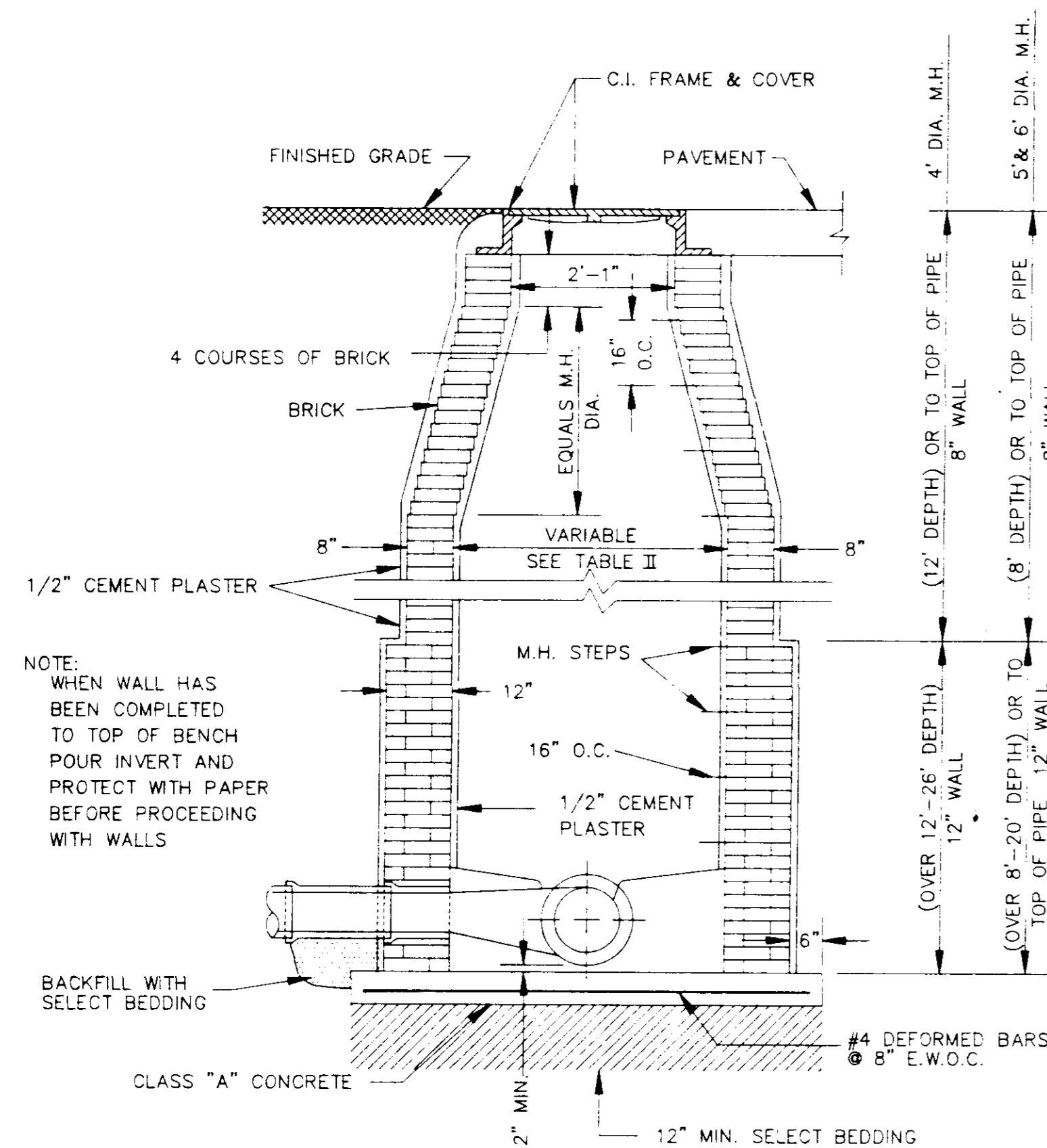
DETAIL 'B'

*Need
Curb Inlet Detail
Need Pitch Detail*



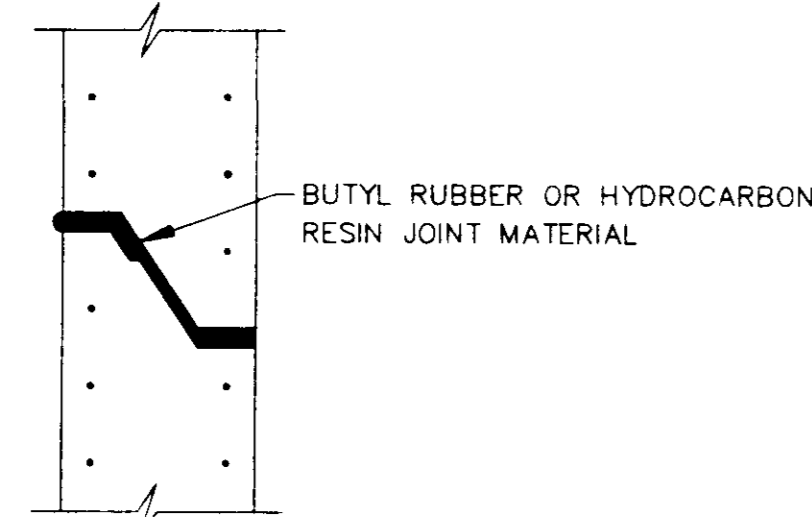
STANDARD MANHOLE FRAME AND COVER

N.T.S.



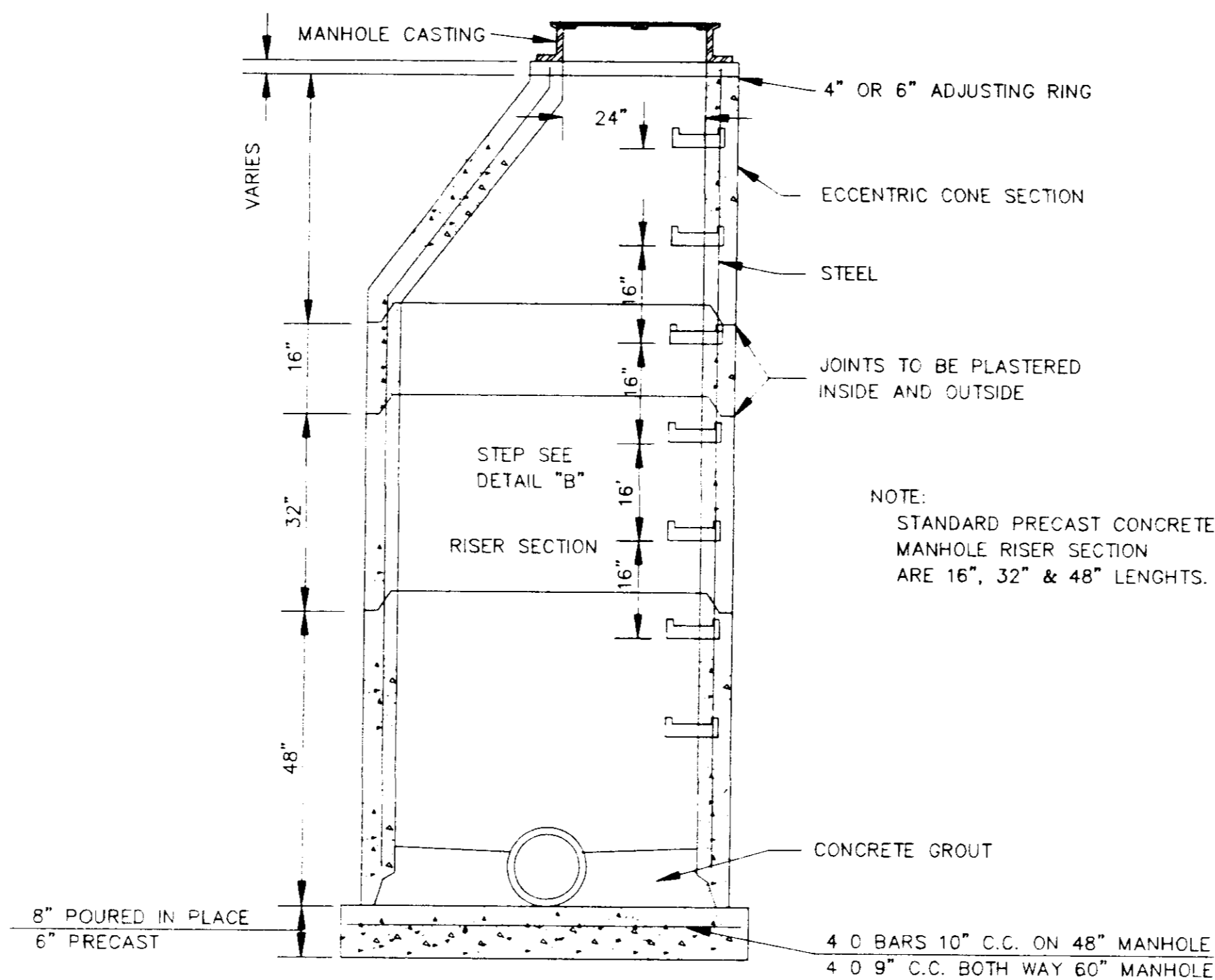
STANDARD BRICK MANHOLE

N.T.S.



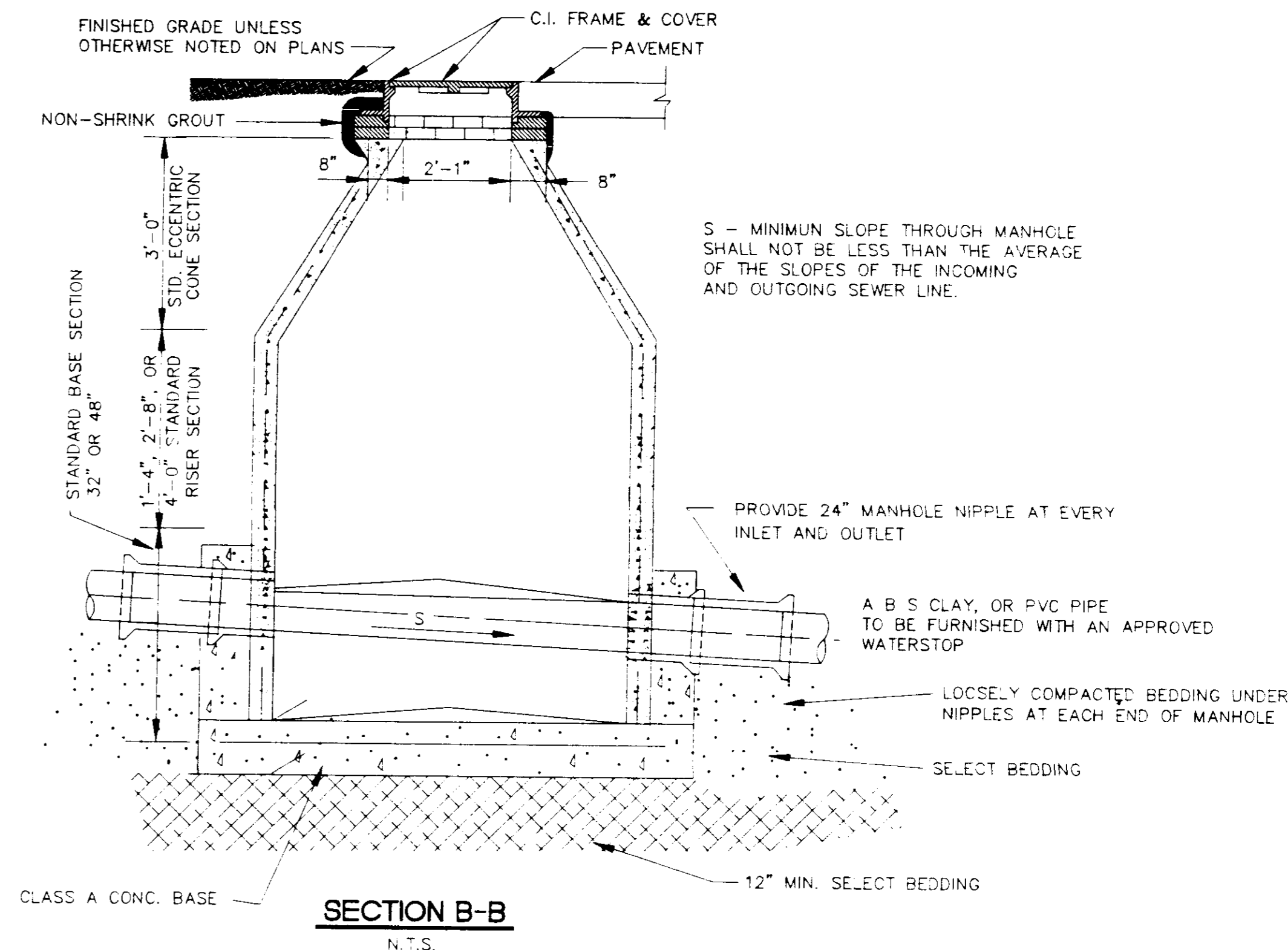
TYPICAL PRECAST CONCRETE MANHOLE JOINT DETAIL

N.T.S.



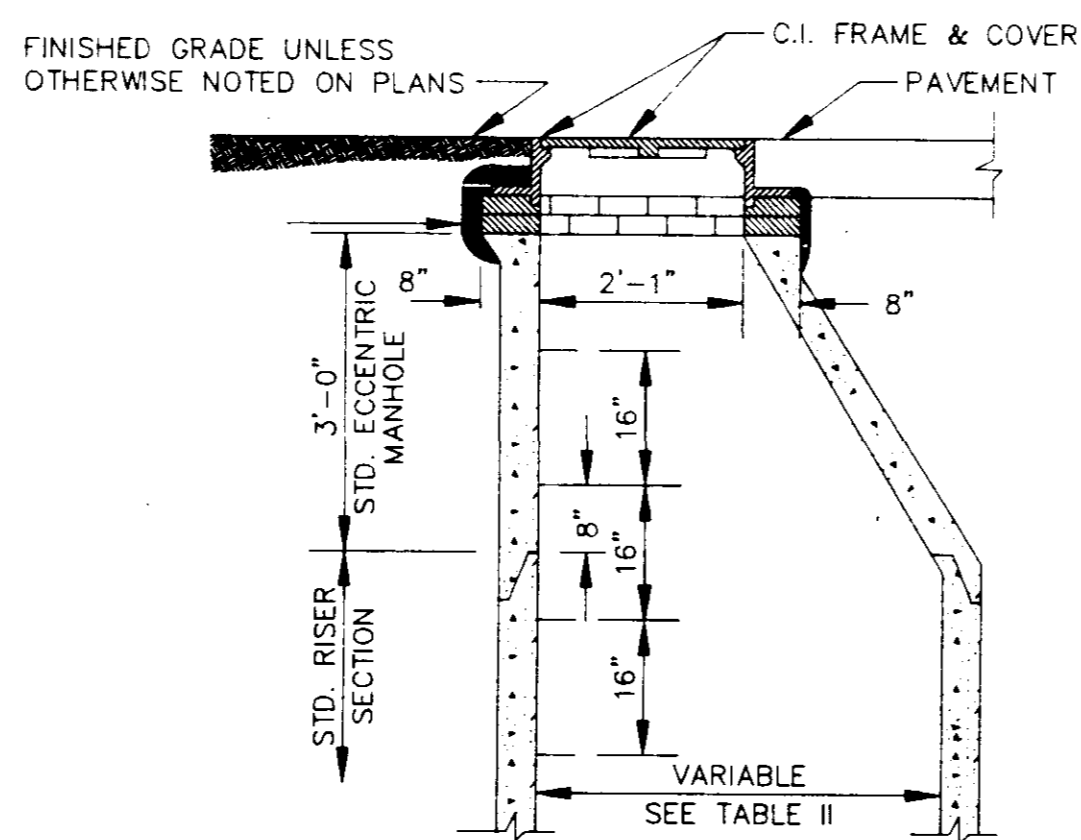
SECTION OF PRECAST CONCRETE MANHOLE

N.T.S.



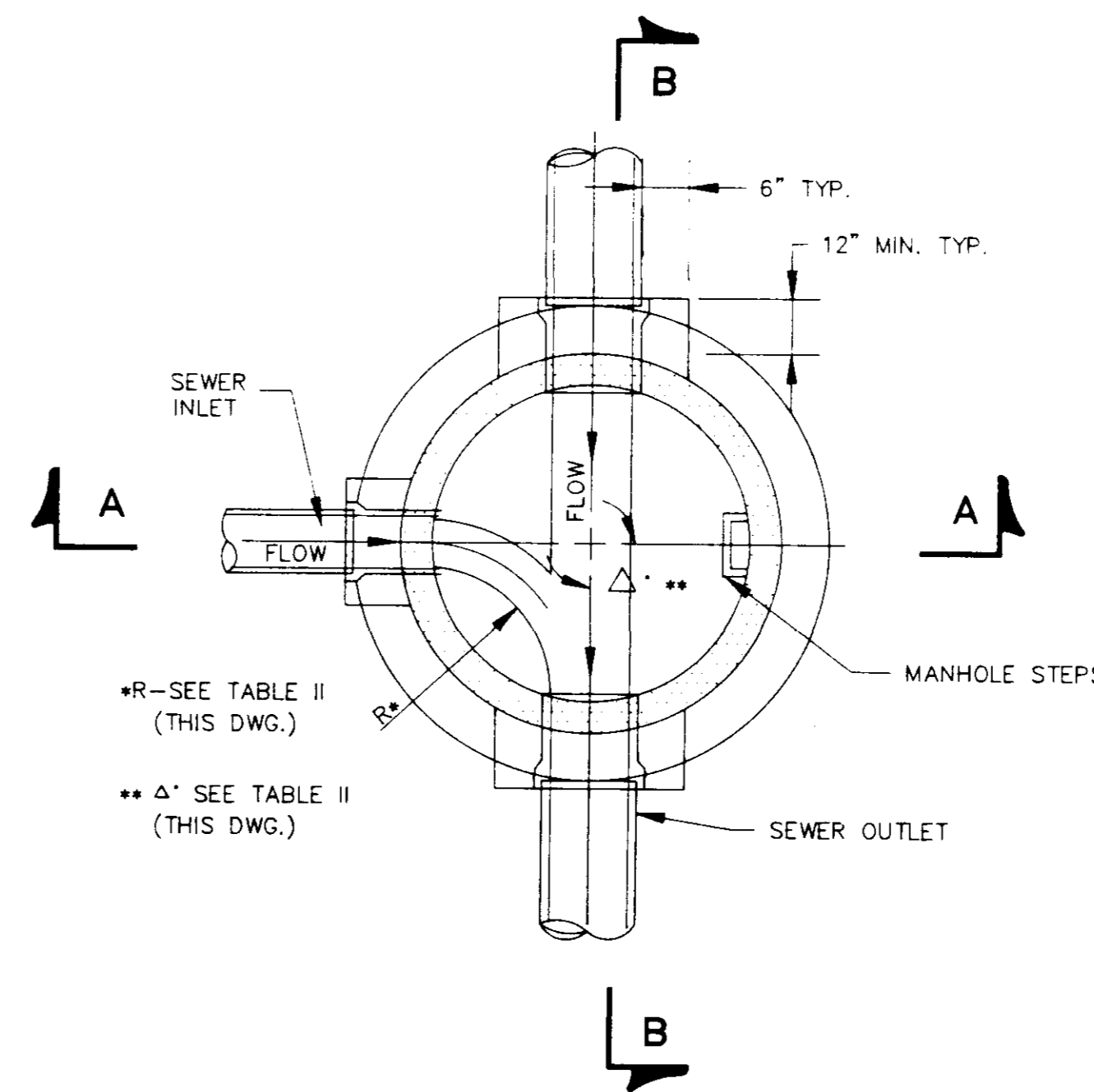
SECTION B-B

N.T.S.



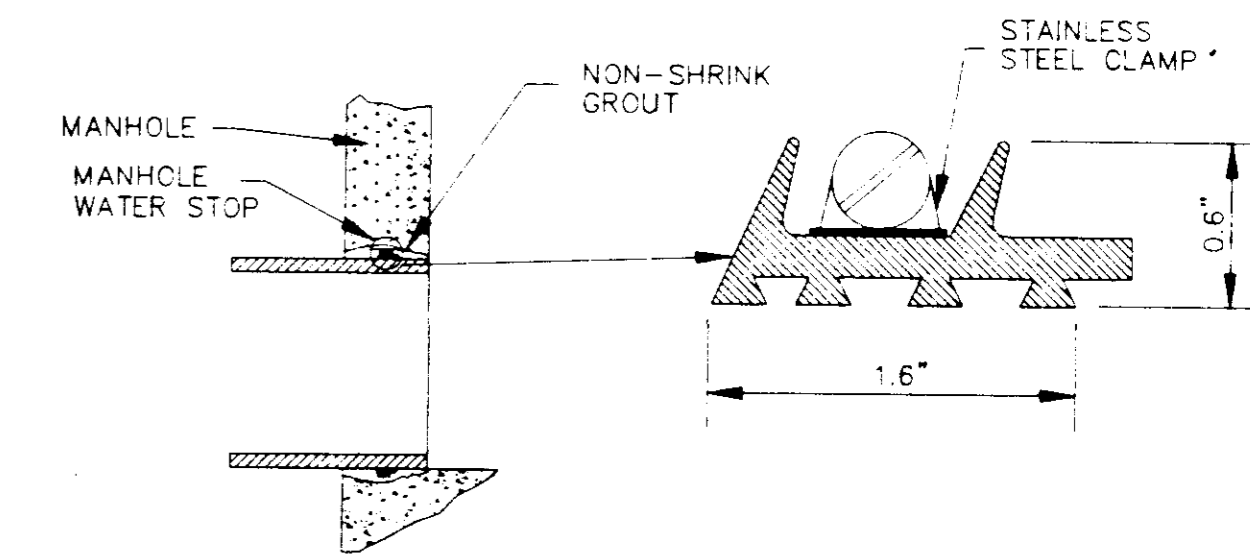
STANDARD ECCENTRIC CONE FOR ALL DIAMETER MANHOLES

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.

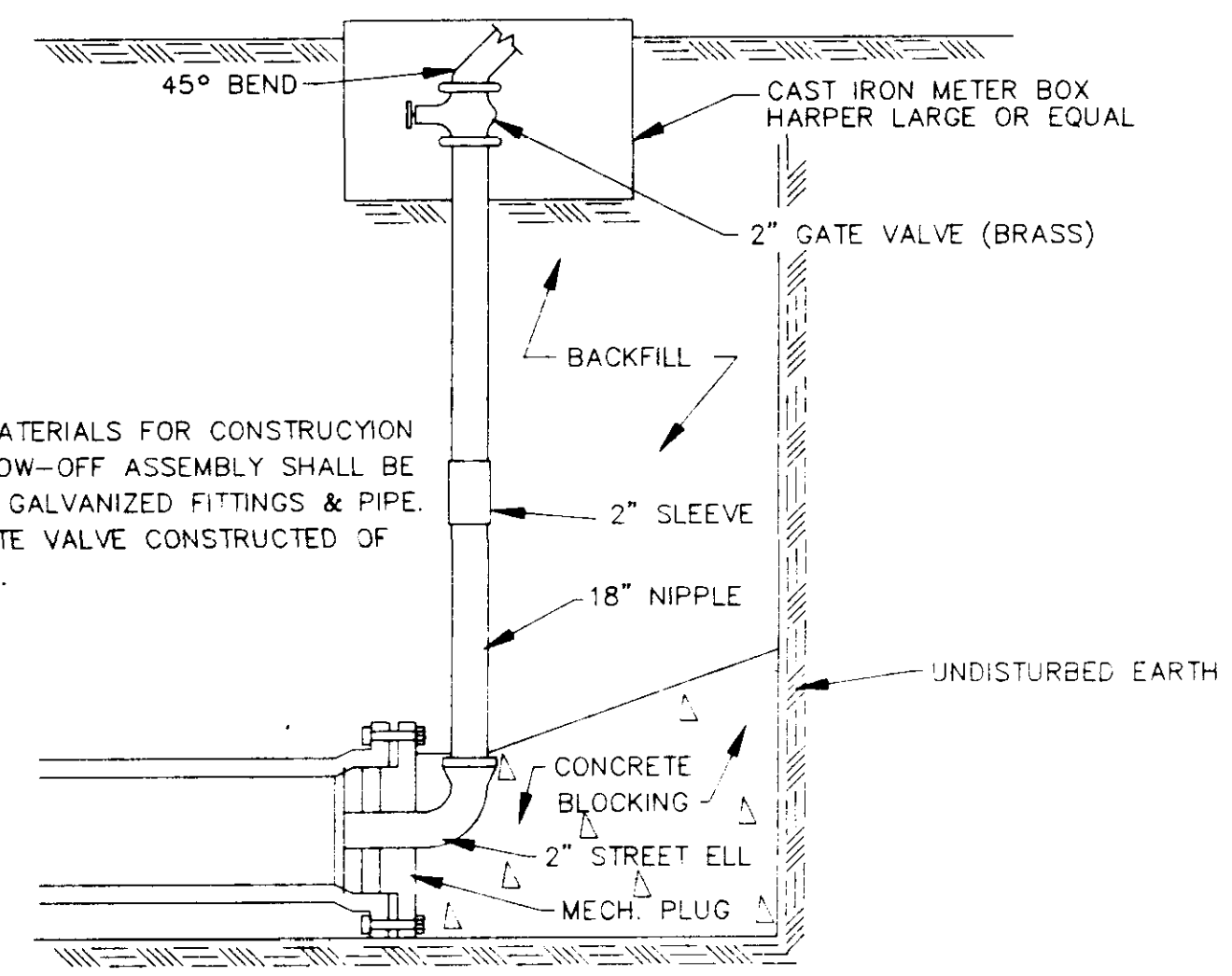
CITY OF RIDGELAND STANDARD SANITARY SEWER CONSTRUCTION DETAILS

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HUNTINGTON SUBDIVISION

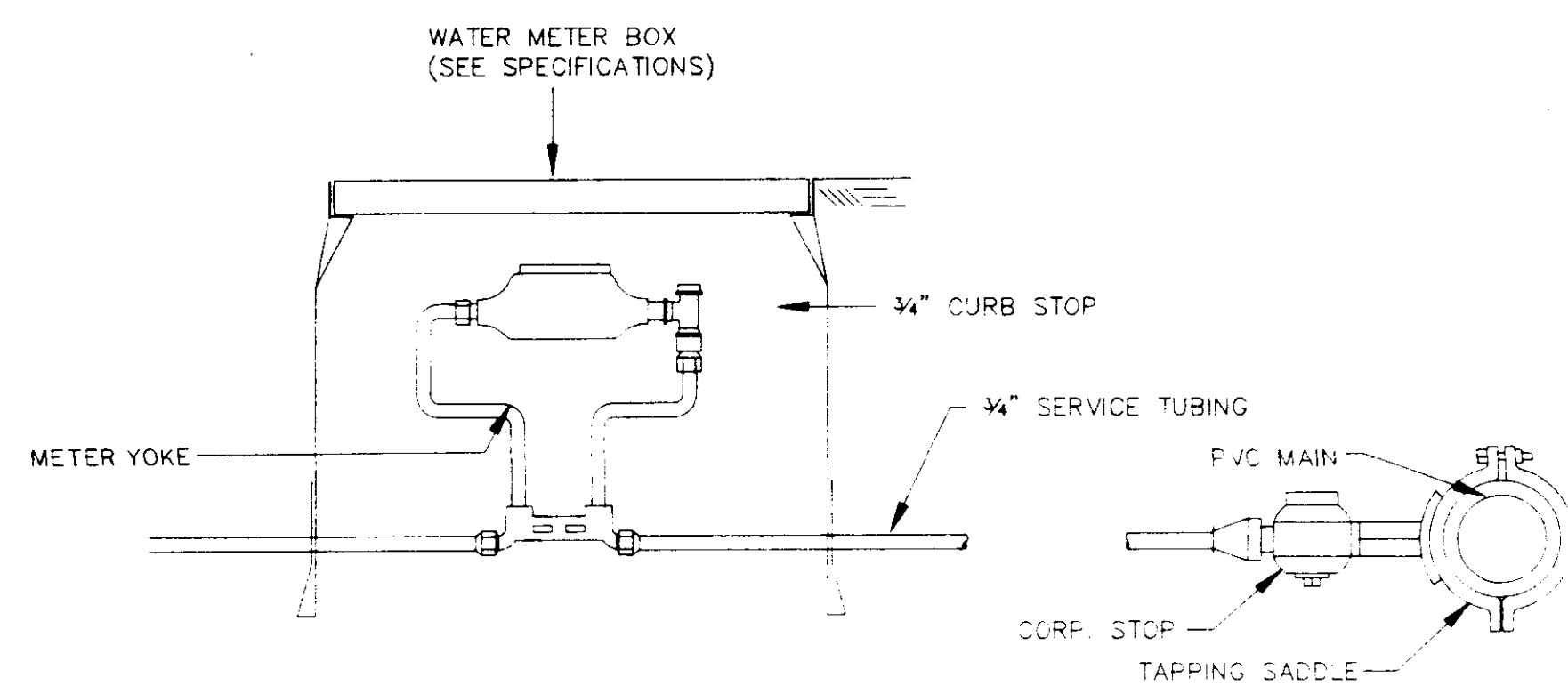
DSGN:		DRAWING NO.
DRWN:		8 of 11
CHKD:		
SCALE:		



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

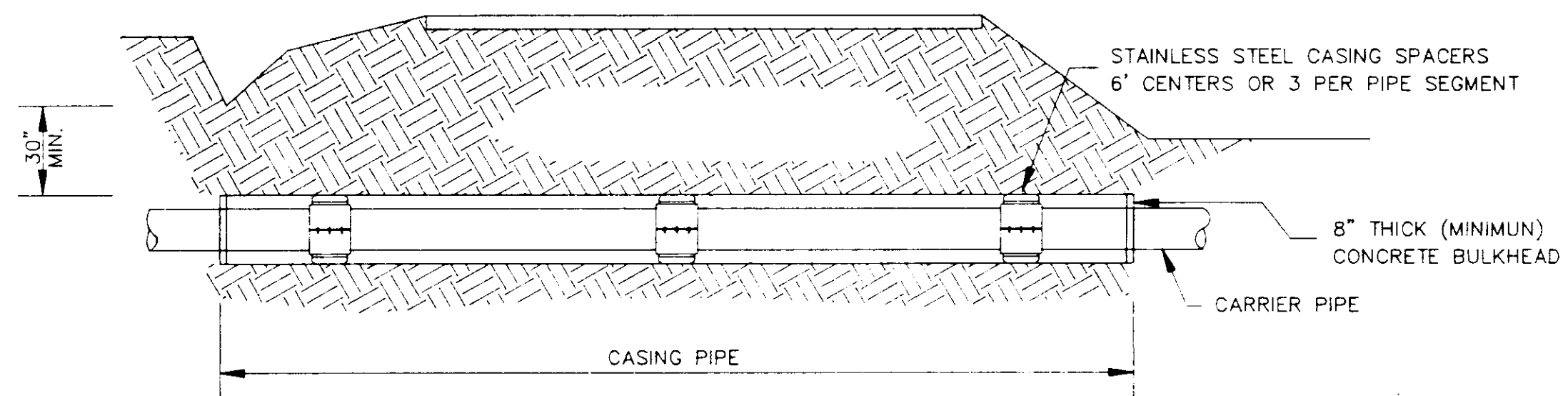
TYPICAL BLOW-OFF ASSEMBLY

N.T.S.



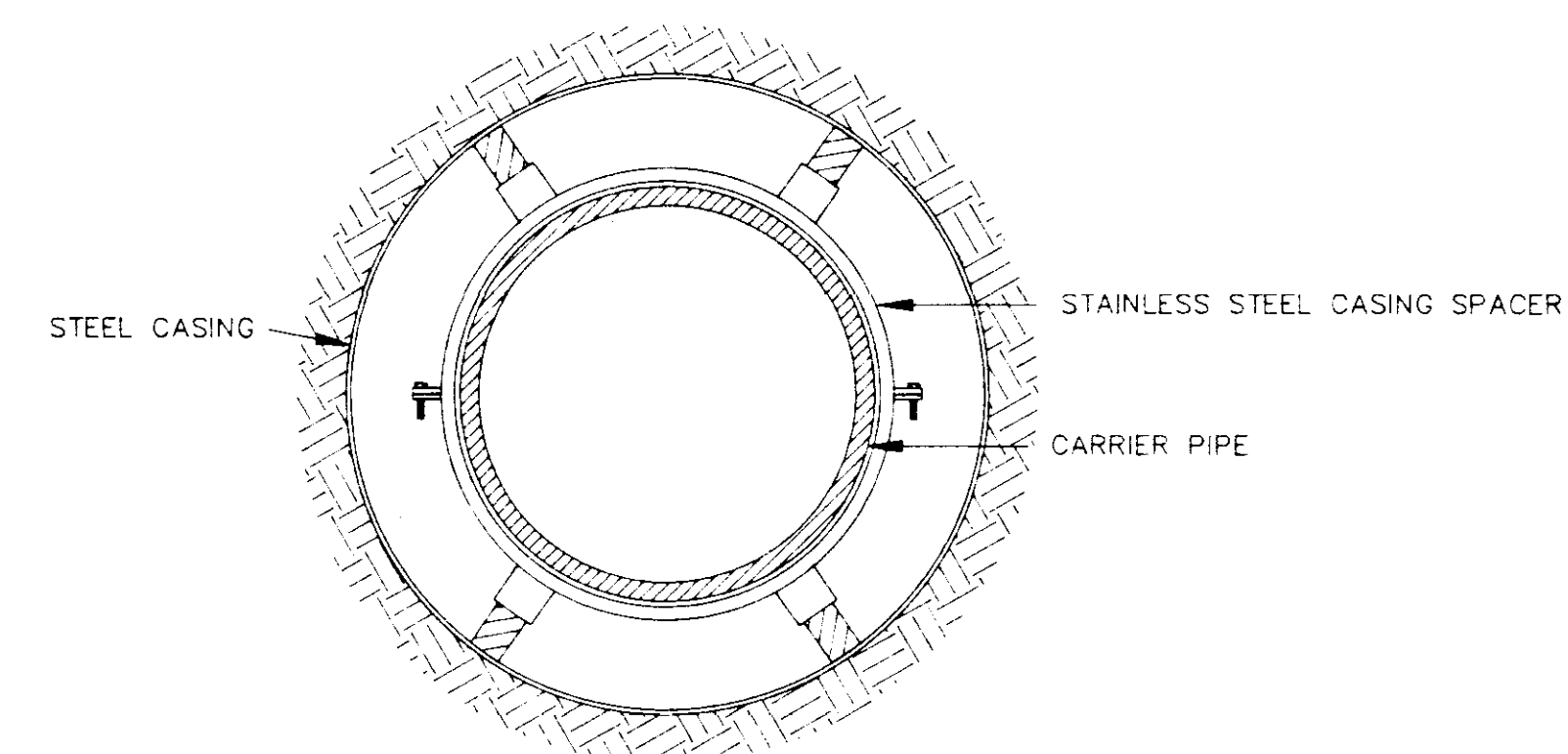
TYPICAL 3/4" WATER SERVICE

N.T.S.



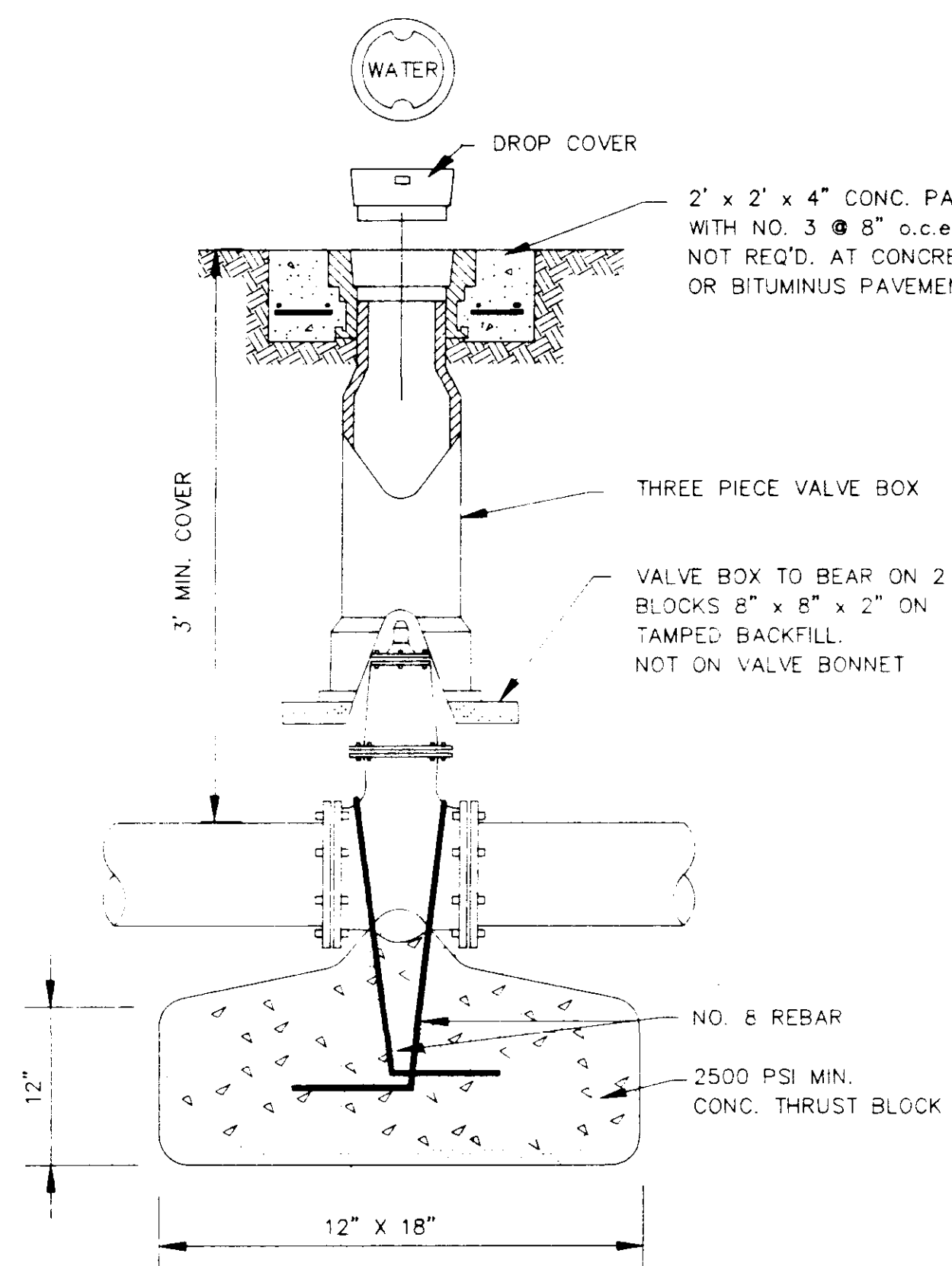
TYPICAL BORE SECTION

N.T.S.



BORE SECTION

N.T.S.



GATE VALVE DETAIL

N.T.S.

**CITY OF RIDGELAND
STANDARD WATER CONSTRUCTION DETAILS**

Armstrong, Fulghum Engineers

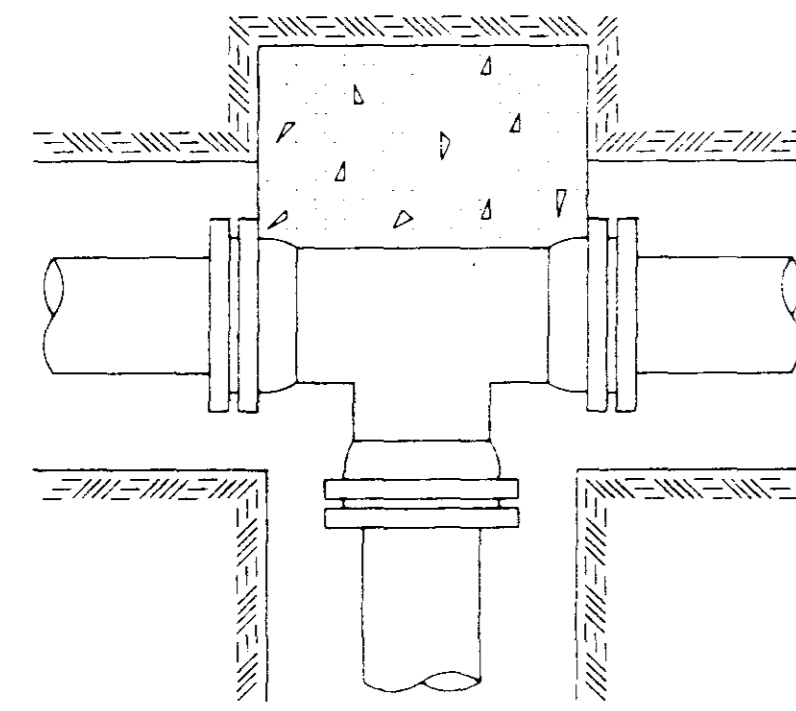
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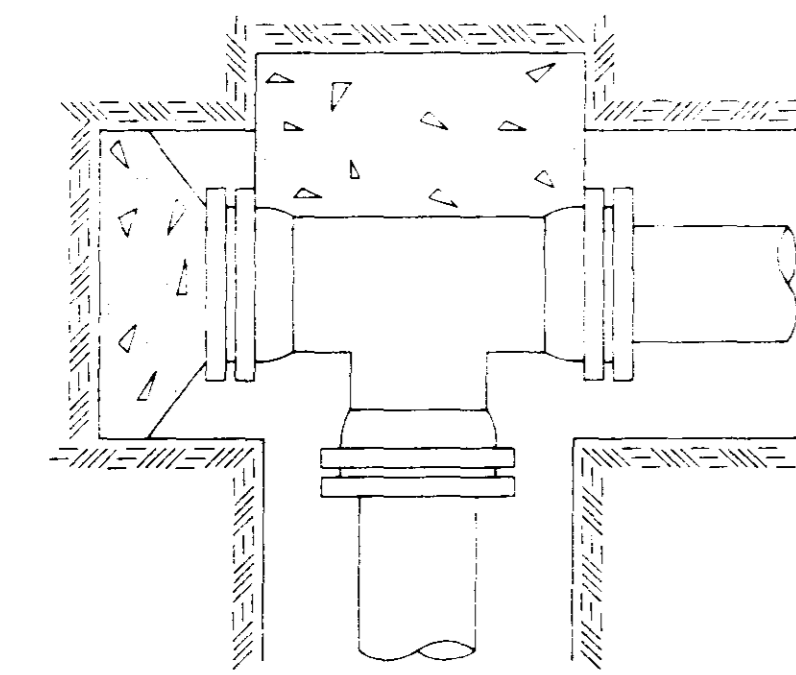
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SCALE:

DRAWING NO.

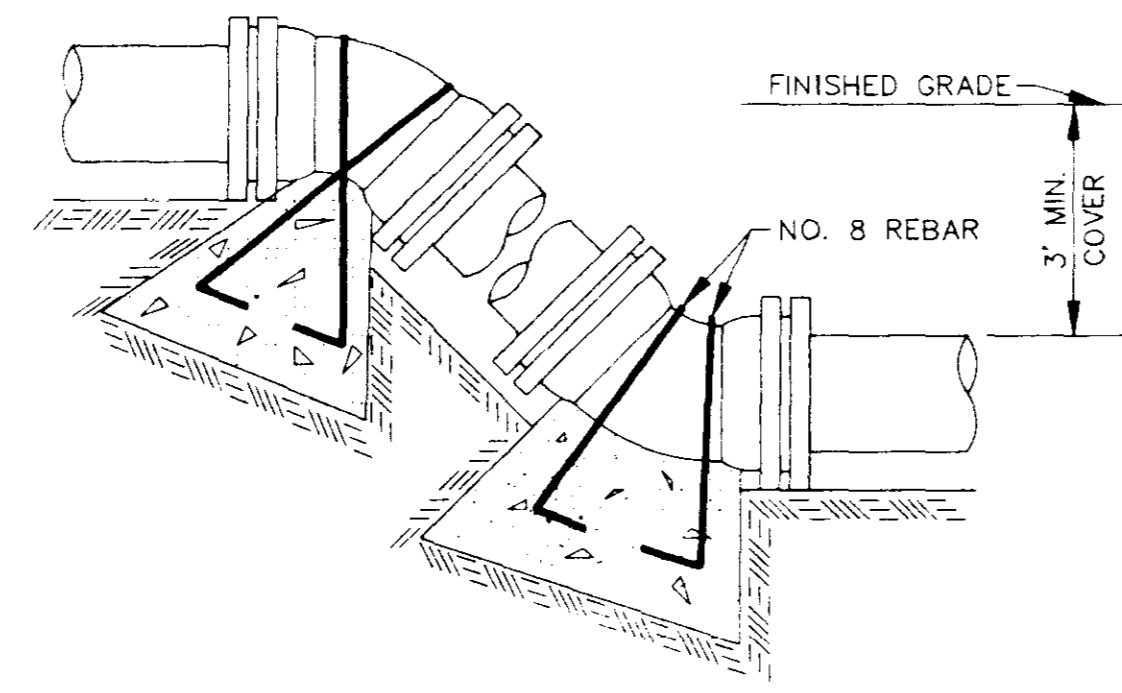
9 OF 11



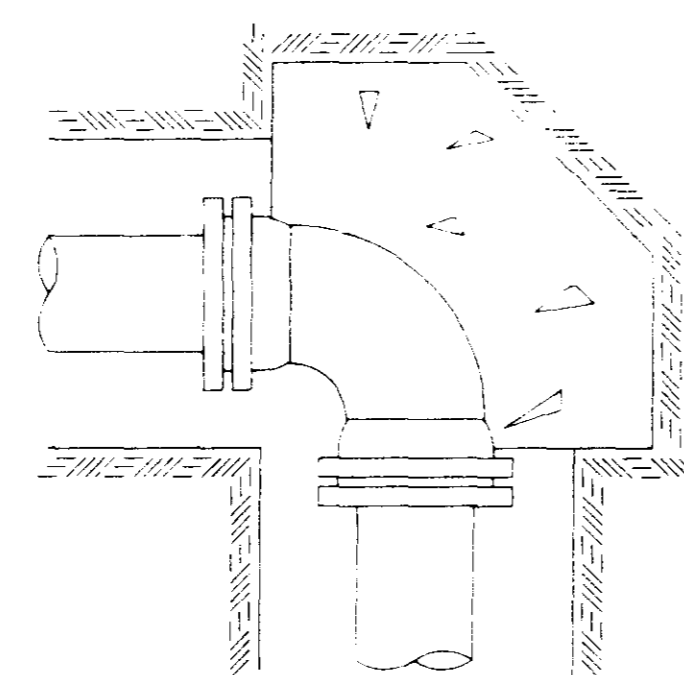
TEE



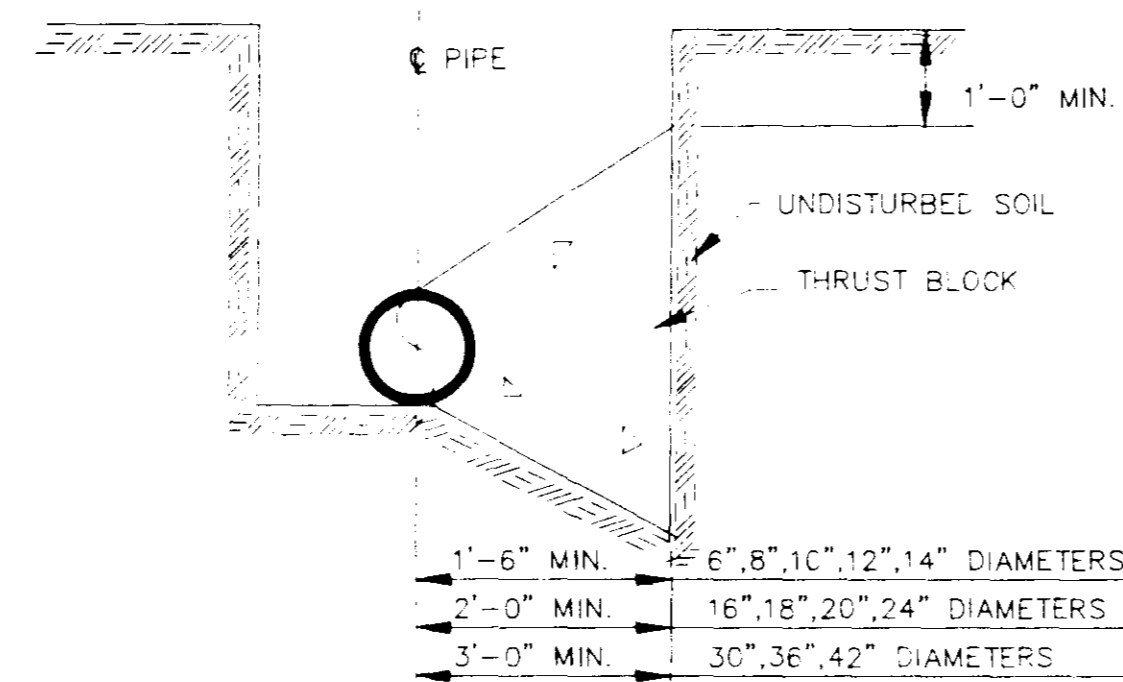
PLUGGED TEE



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.

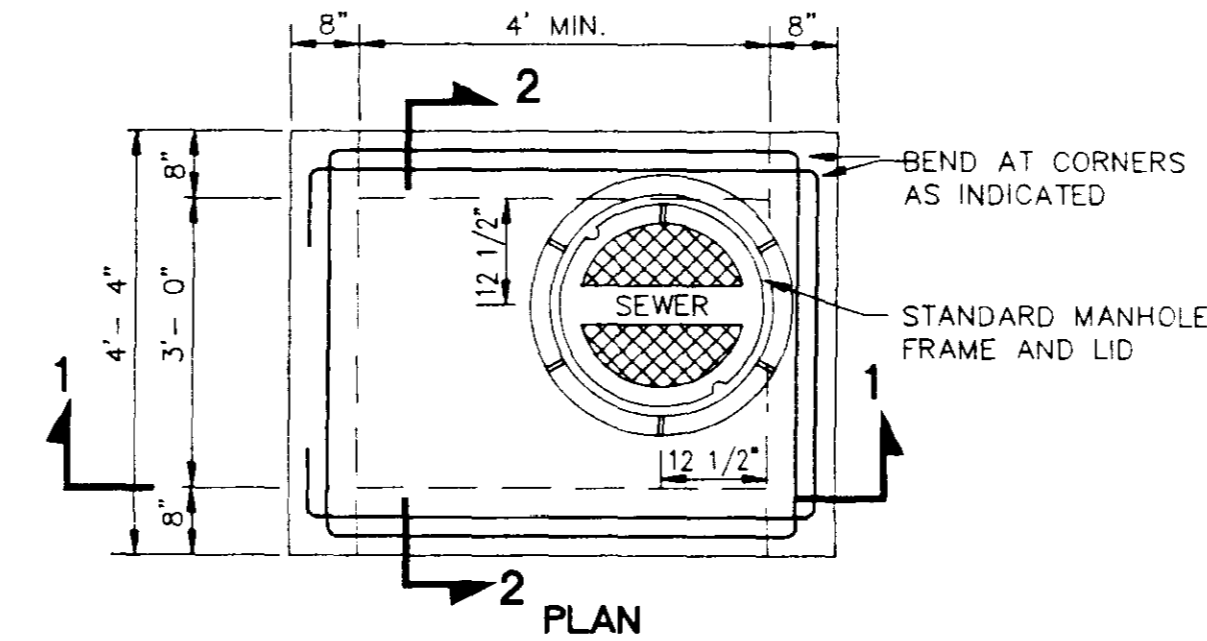
VERTICAL BENDS

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)	

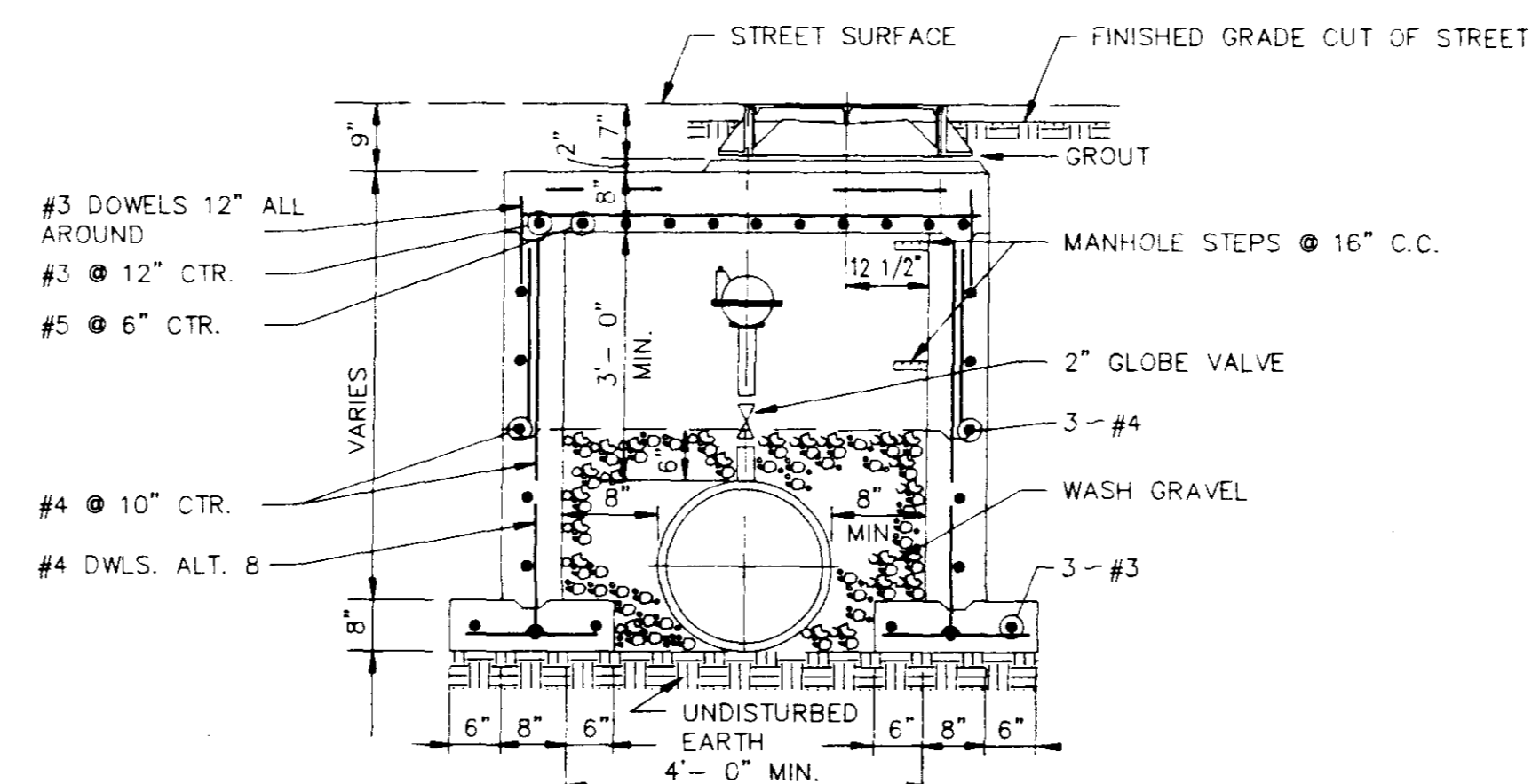
VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

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.

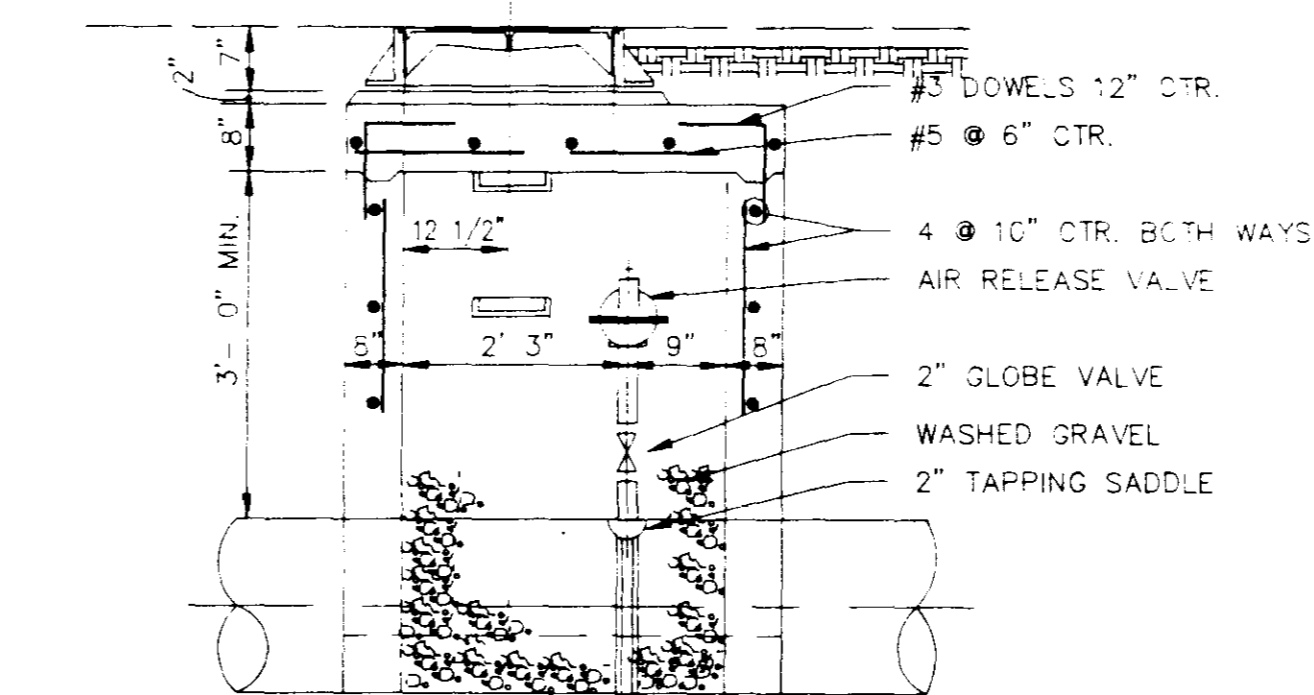
NOTE: ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



PLAN



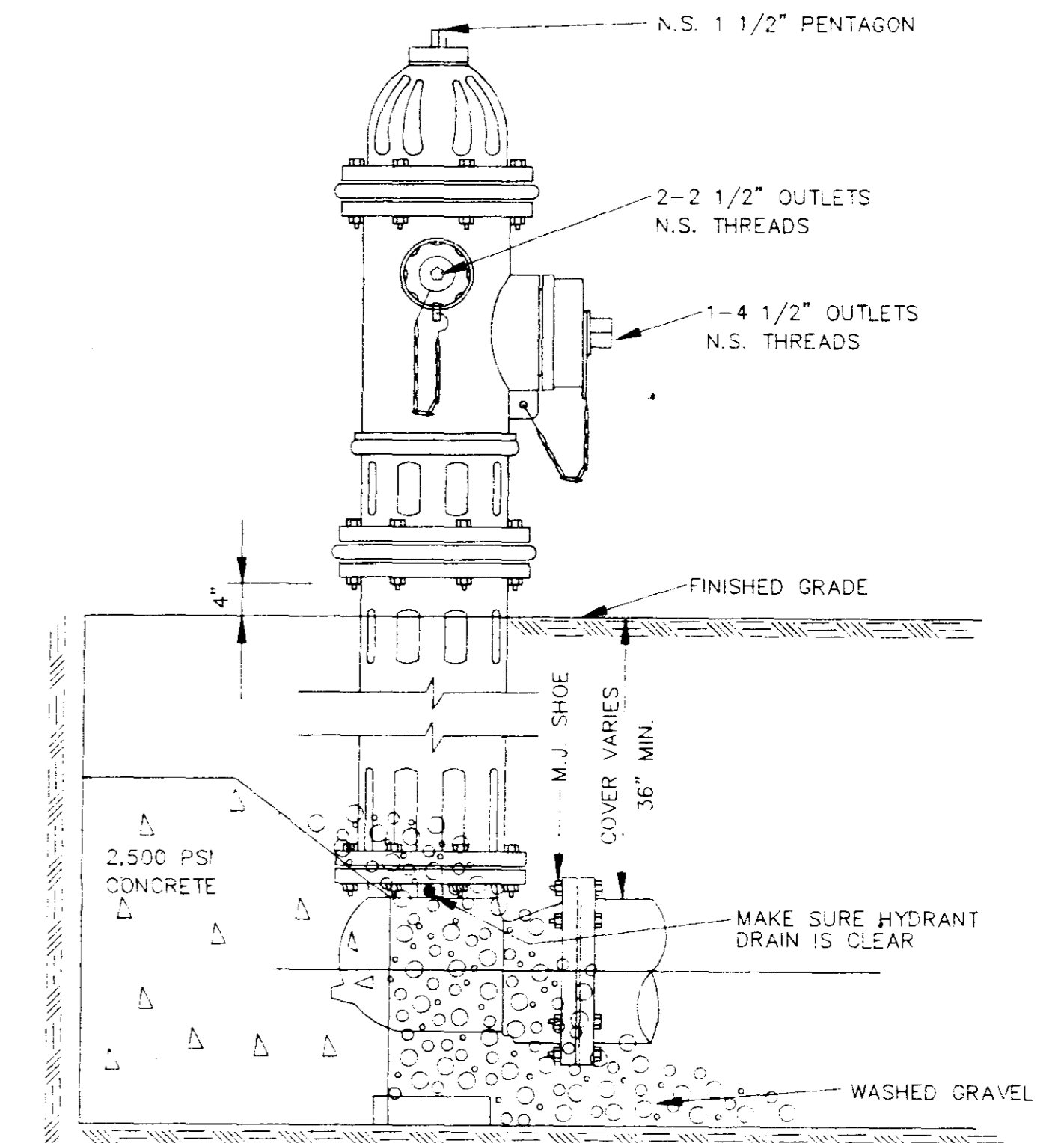
SECTION 1-1



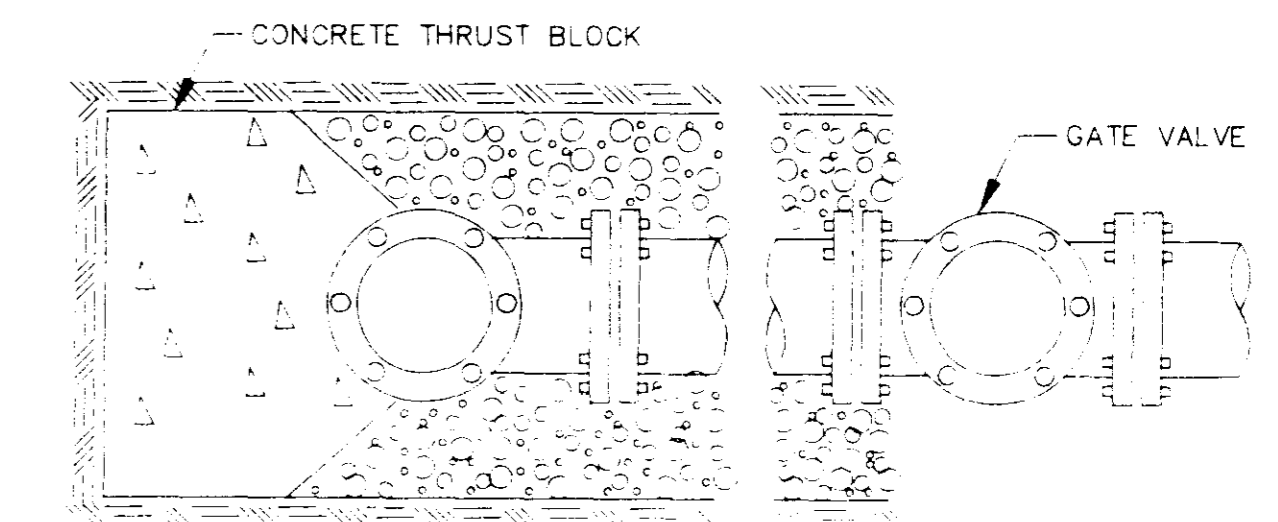
SECTION 2-2

TYPICAL AIR OR AIR VACCUUM RELEASE VALVE INSTALLATION WITH MANHOLE

NOT TO SCALE



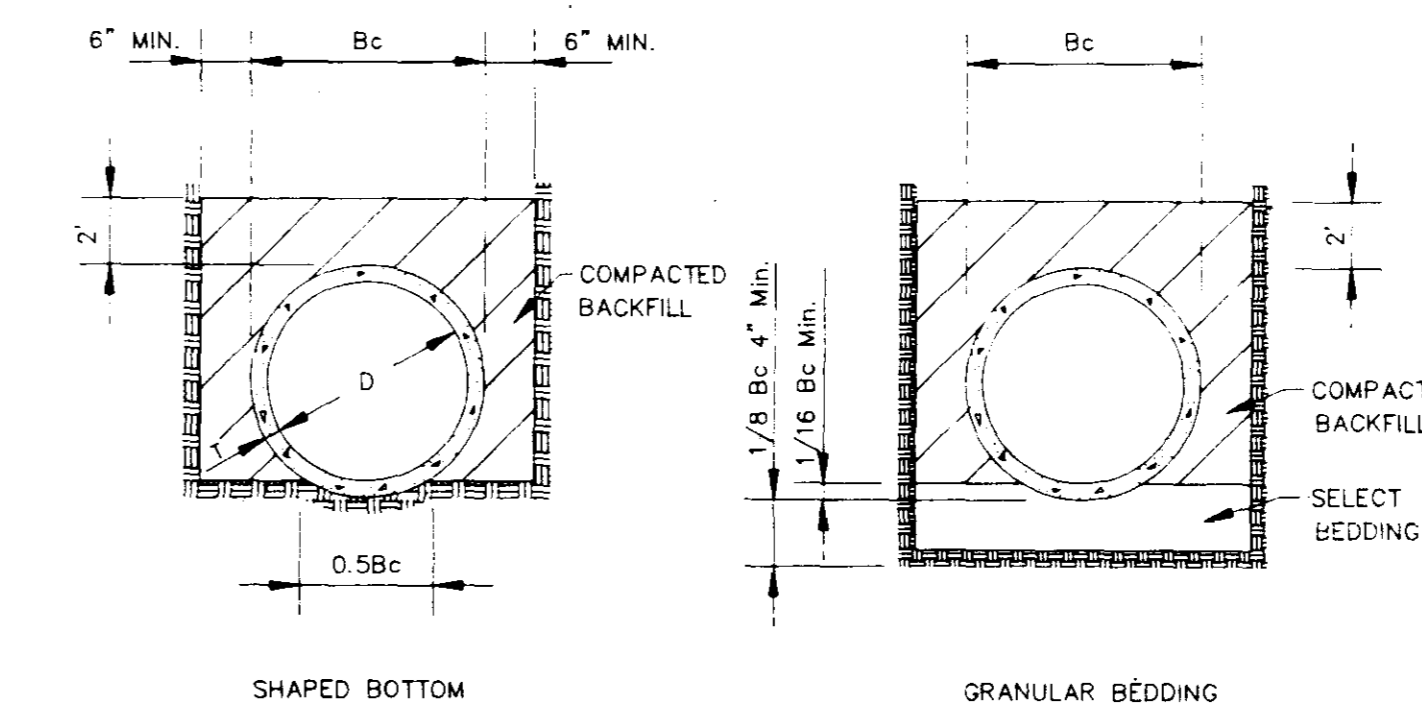
ELEVATION



PLAN

TYPICAL FIRE HYDRANT INSTALLATION

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



SHAPED BOTTOM

GRANULAR BEDDING

CLASS C

TYPICAL TRENCH DETAILS

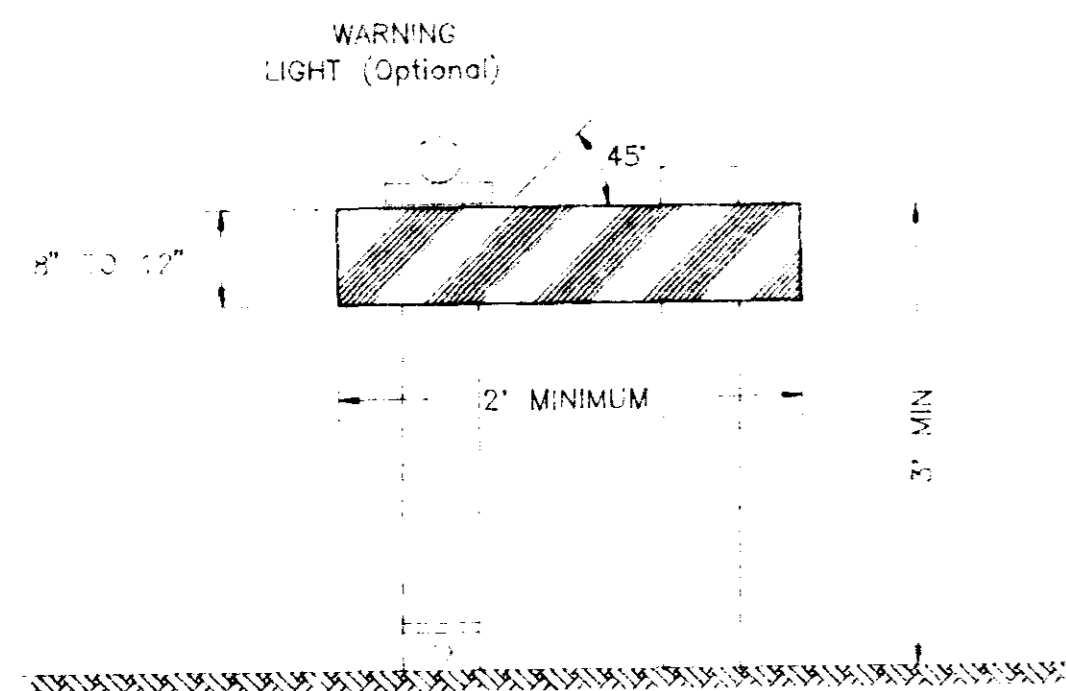
N.T.S.

CITY OF RIDGELAND STANDARD WATER CONSTRUCTION DETAILS

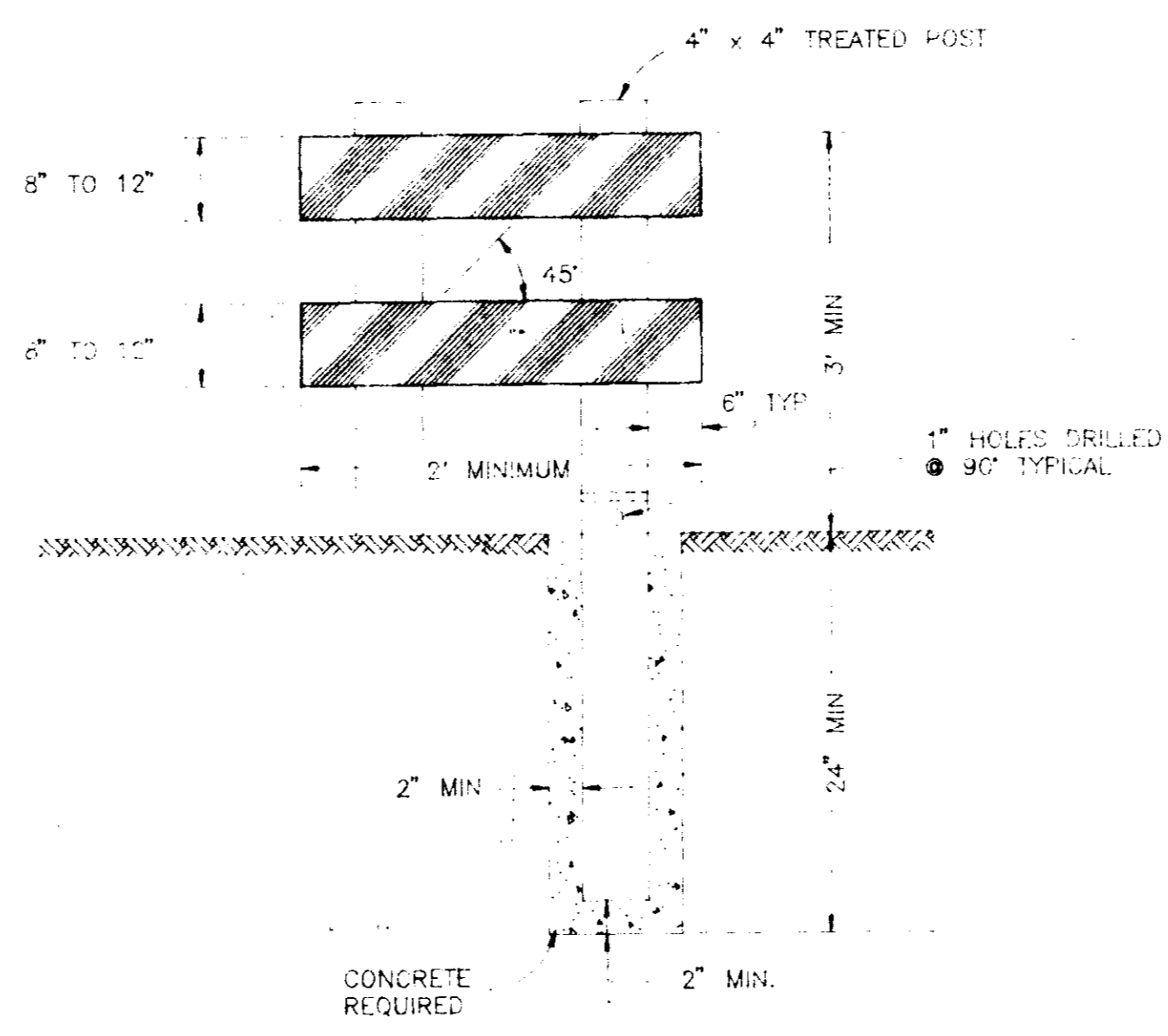
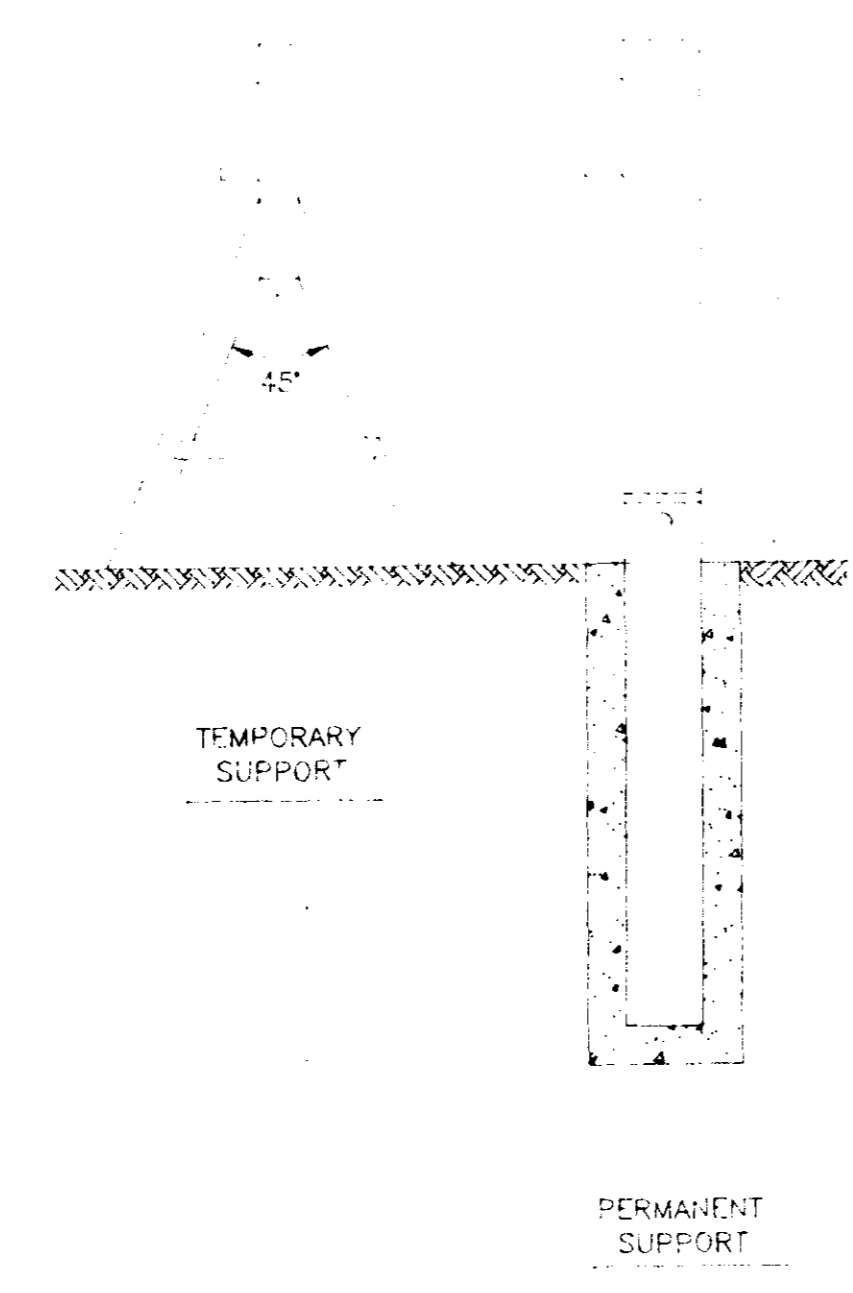
Armstrong, Fulghum Engineers
POST OFFICE BOX 172
BRANDON, MISSISSIPPI 39043
(601)932-2009

HUNTINGTON SUBDIVISION

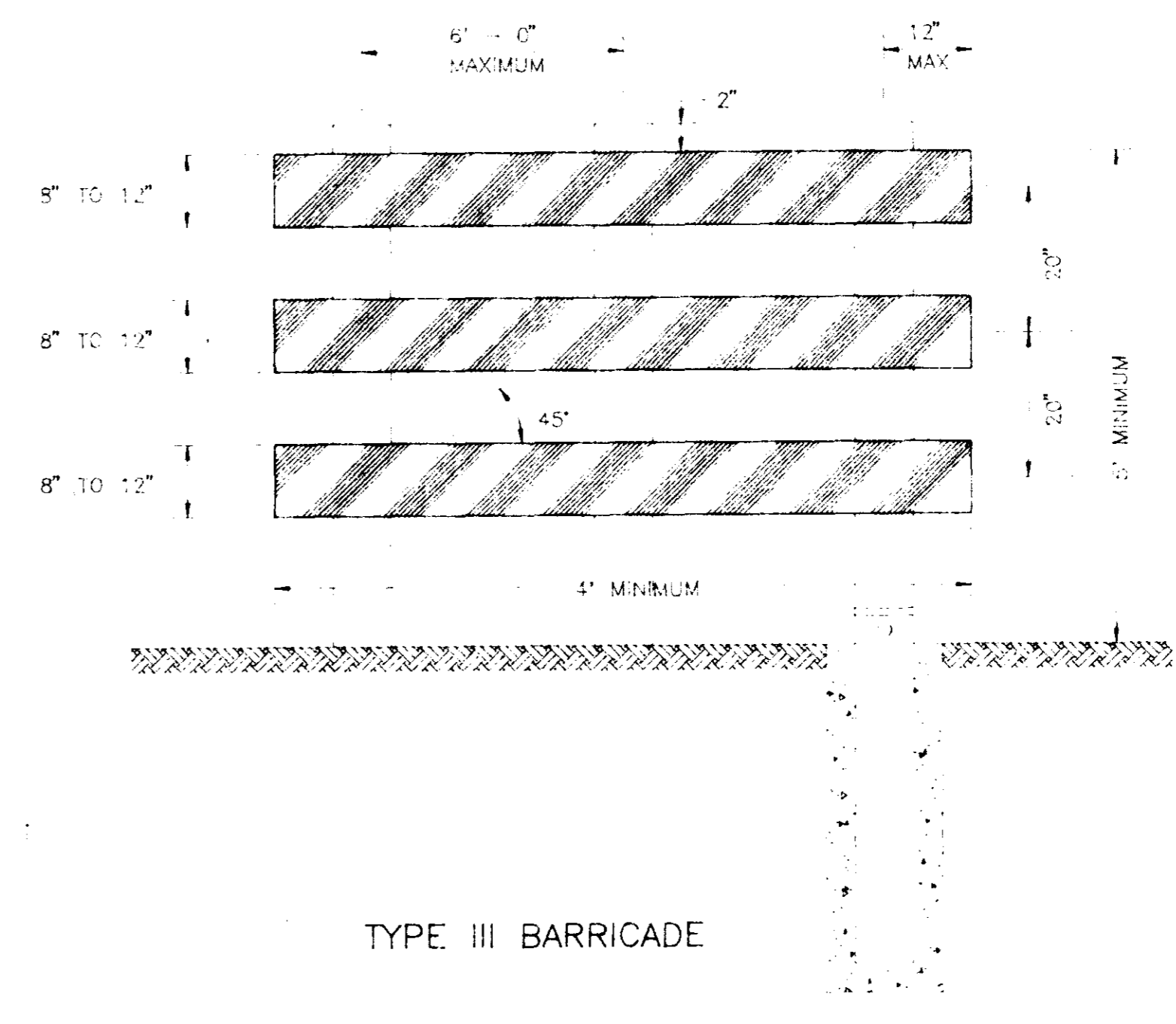
DSGN:		DRAWING NO.
DRWN:		10 of 11
CHKD:		
SCALE:		



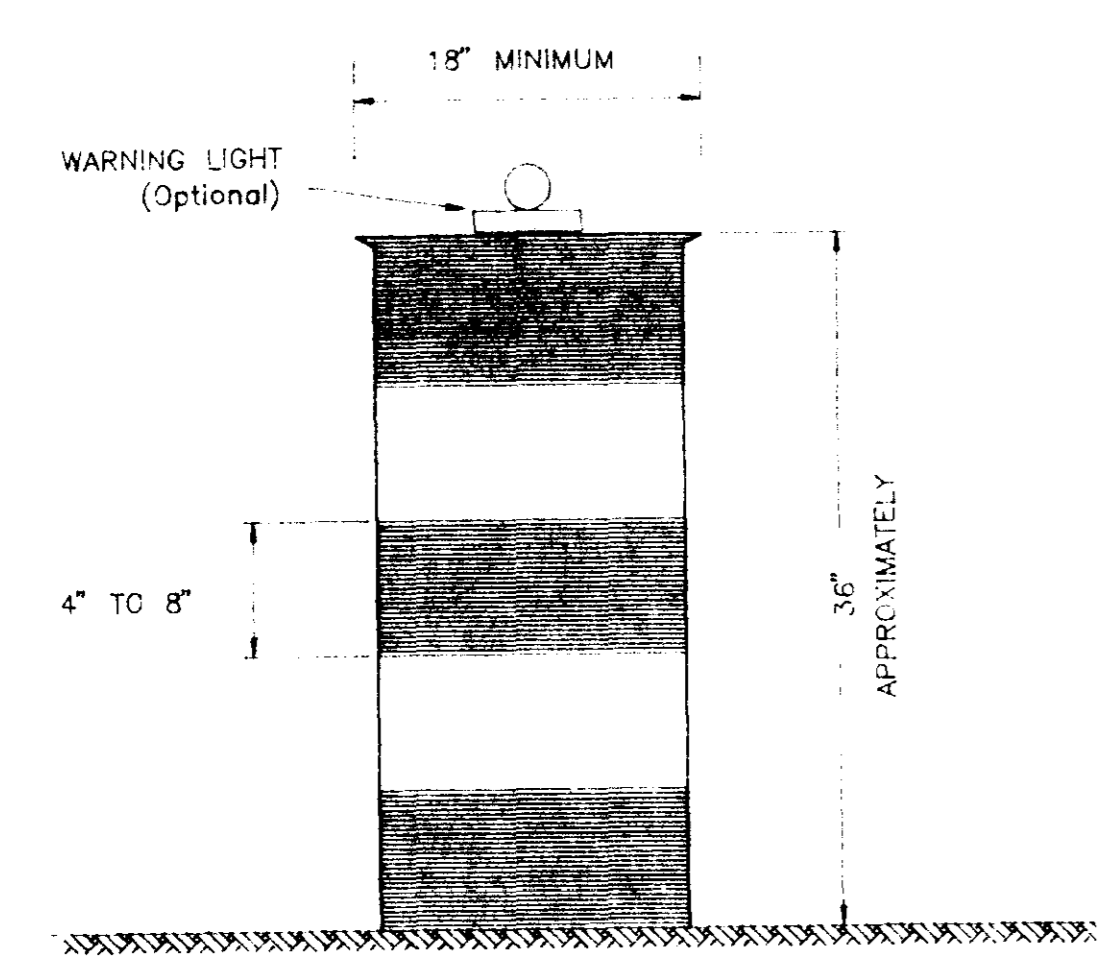
TYPE I BARRICADE



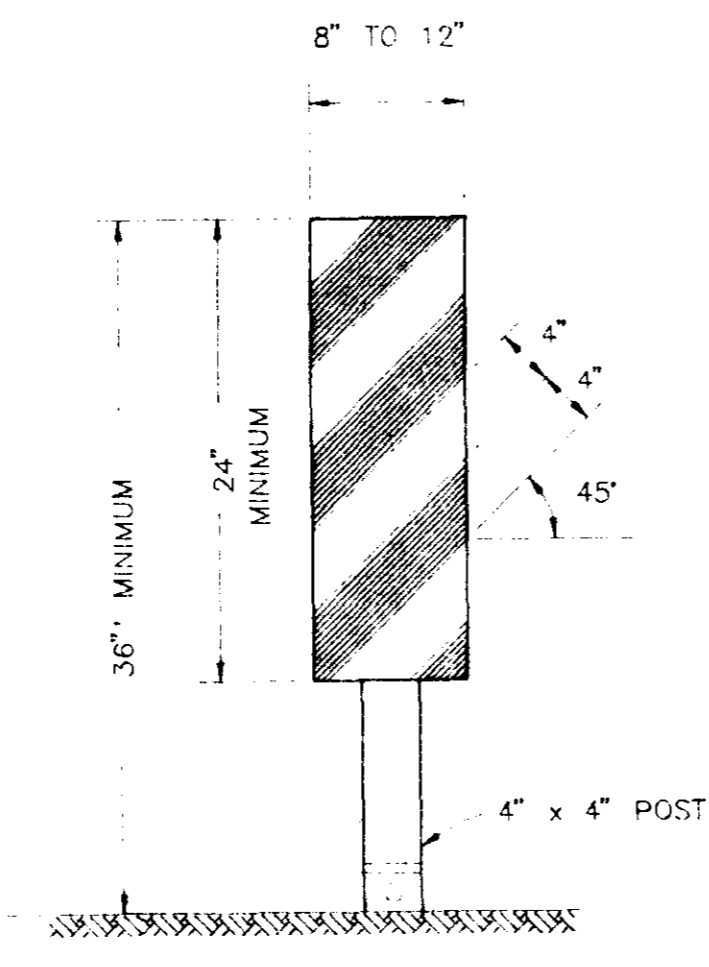
TYPE II BARRICADE



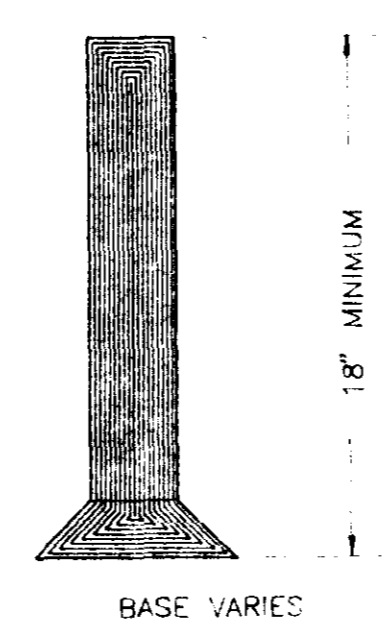
TYPE III BARRICADE



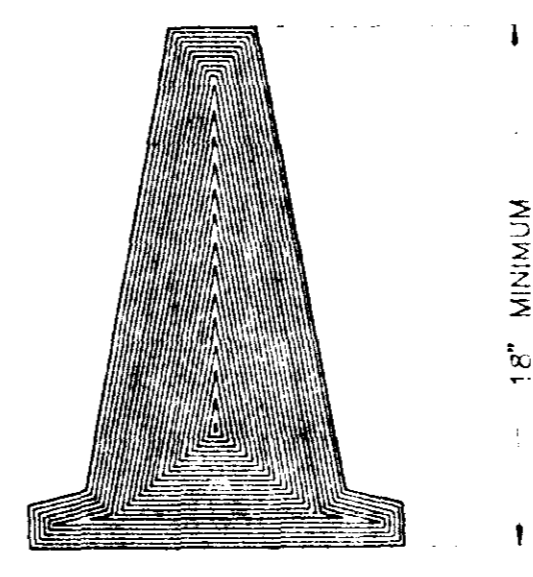
DRUM



VERTICAL PANEL



CONES



HIGH LEVEL WARNING DEVICE

NOTE: FLASHING OR STEADY BURN WARNING LIGHTS SHOULD BE USED ON BARRICADES, PANNELS, AND DRUMS AS NEEDED.

Armstrong, Fulghum Engineers
 CONSULTING ENGINEERS
 ENGINEERING • SURVEYING • PLANNING
 6090 Old Franden Road
 Post Office Box 172
 Brandon, Mississippi 39043
 Telephone 601-832-2039
 601-839-1834

STANDARD DETAILS FOR:
CHANNELIZING DEVICES
 AND
HIGH LEVEL WARNING DEVICES

PROJECT NO. _____
 STANDARD FILE NAME _____
 WARN-DEV SCALE _____
 NOT TO SCALE
 DRAWN BY _____
 S.E.T.
 CHECKED BY _____
 B.C.B.
 DATE _____
 NOV. 19, 1992
 SHEET NO. _____