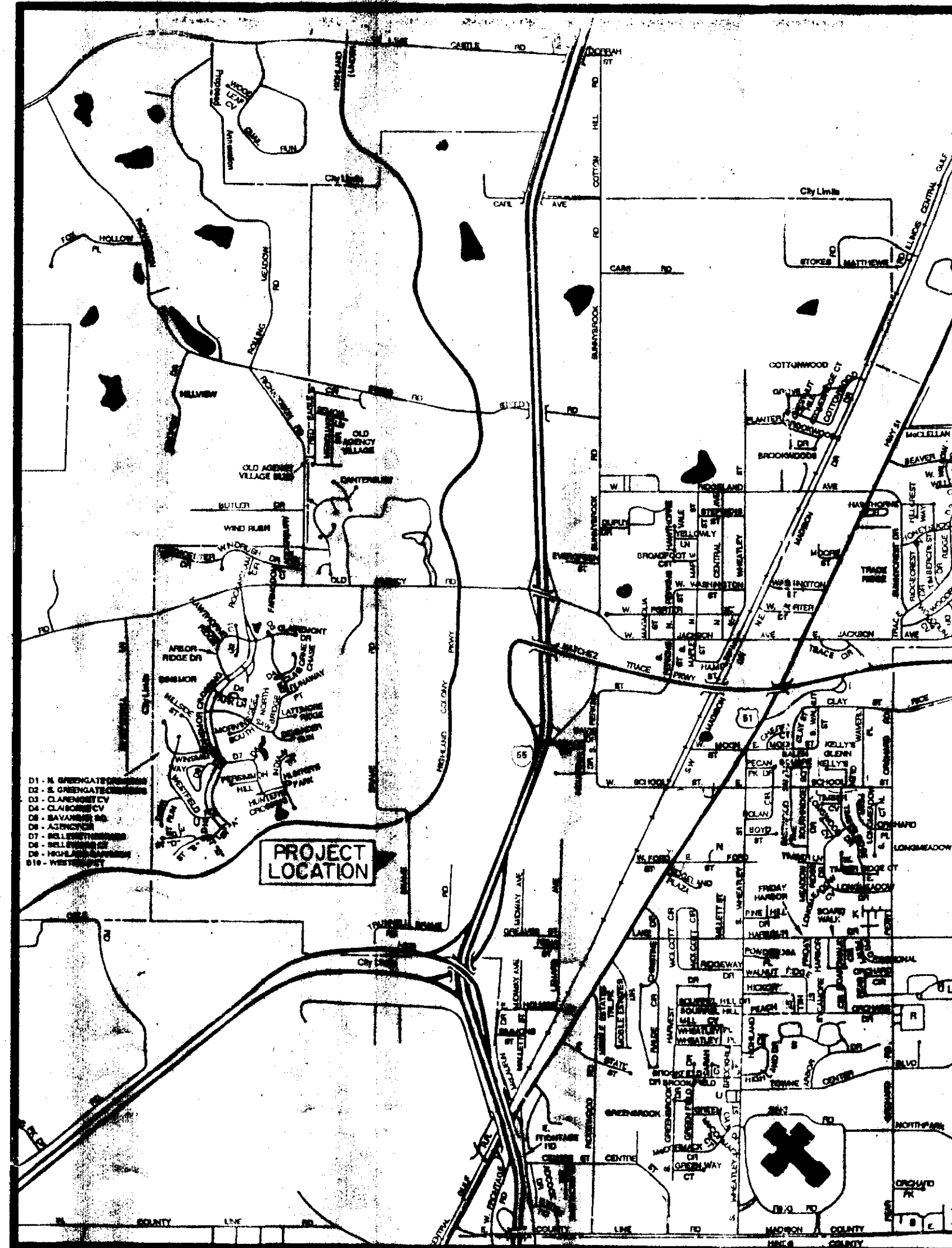


**CONTRACT DRAWINGS**  
**FOR**  
**CORPORATE CENTRE**  
**PART ONE**  
**CITY OF RIDGELAND, MADISON COUNTY, MISSISSIPPI**  
**CONSTRUCTION PLANS FOR**  
**STREET, DRAINAGE, SANITARY SEWER, & WATER SYSTEM**

INDEX TO DRAWINGS	
DRAWING NAME:	SHEET No.:
COVER SHEET	1
GENERAL LAYOUT	2
DRAINAGE LAYOUT	3
STORMWATER & SILTATION PREVENTION PLAN	4
PLAN & PROFILE SHEET	5
PUMPING STATION DETAILS	6
CITY OF RIDGELAND STANDARD DETAIL SHEETS	7 - II

SUMMARY OF QUANTITIES		
WATER DISTRIBUTION SYSTEM:		
ITEM DESCRIPTION:	QUANTITY:	UNIT:
CONNECTION TO EXISTING WATER MAIN	1	EA.
8" WATER MAIN, C-900, CLASS 150	1200	L.F.
8" x 8" x 8" TEE	1	EA.
8" GATE VALVE WITH BOX	2	EA.
6" FIRE HYDRANT WITH GATE VALVE	1	EA.
1" SERVICE LINE	250	L.F.
SERVICE ASSEMBLY	8	EA.
SERVICE MARKER	8	EA.
GRASS PLANTING		
ITEM DESCRIPTION:	QUANTITY:	UNIT:
SEEDING	1	AC.

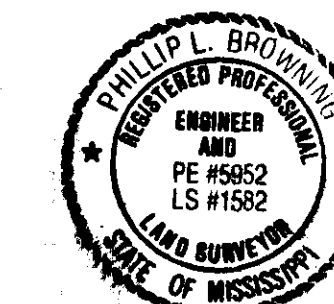


**VICINITY MAP**

**JUNE 1996**

SUMMARY OF QUANTITIES		
SANITARY SEWER SYSTEM		
ITEM DESCRIPTION:	QUANTITY:	UNIT:
8" GRAVITY SANITARY SEWER (0'-6')	345	L.F.
8" GRAVITY SANITARY SEWER (6'-8')	52	L.F.
48" STANDARD MANHOLE (0'-6')	1	EA.
48" STANDARD MANHOLE (8'-10')	1	EA.
FORCE MAIN	1005	L.F.
PUMP STATION	1	EA.
UNDERCUT & SELECT BACKFILL	200	C.Y.
6" SANITARY SEWER SERVICE	280	L.F.
6" STANDARD TEE	7	EA.
SERVICE MARKER	7	EA.
STREETS AND DRAINAGE		
ITEM DESCRIPTION:	QUANTITY:	UNIT:
CLEARING AND GRUBBING	1	AC.
EXCAVATION - COMMON	1600	C.Y.
EXCAVATION - (ON-SITE) STREET UNDERCUT AND BACKFILL	500	C.Y.
EMBANKMENT	1500	C.Y.
6" LIME TREATED SUB-BASE (SUB-BASE PREPARATION INCLUDED)	3400	S.Y.
CURB INLET	3	EA.
36" REINFORCED CONCRETE PIPE	224	L.F.
36" FLARED END SECTION	1	EA.
5" ASPHALTIC BASE COURSE	3000	S.Y.
1-1/2" ASPHALTIC SURFACE COURSE	3000	S.Y.
CONCRETE CURB AND GUTTER	1500	L.F.

Prepared by:  
**Browning, Inc.**  
 CONSULTING ENGINEERS - SURVEYORS  
 P.O. Box 12711  
 1058 Ridgewood Ridge  
 Jackson, Mississippi 39211  
 PH. (601)-957-3900



**AS BUILTS**  
**OCTOBER, 1996**

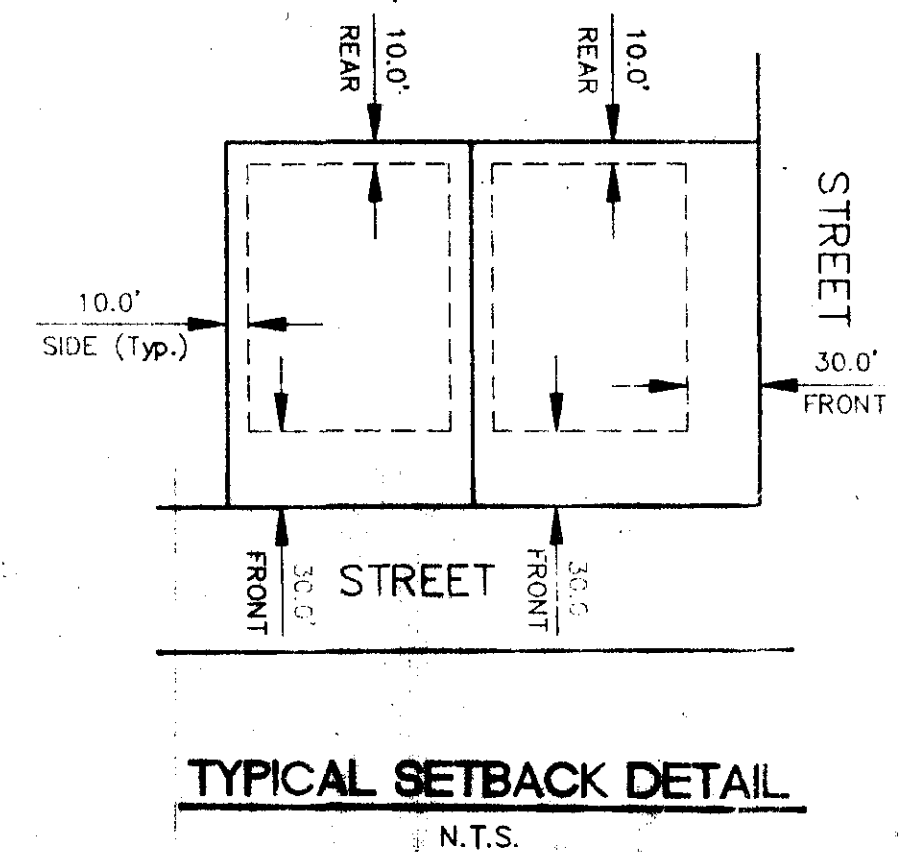
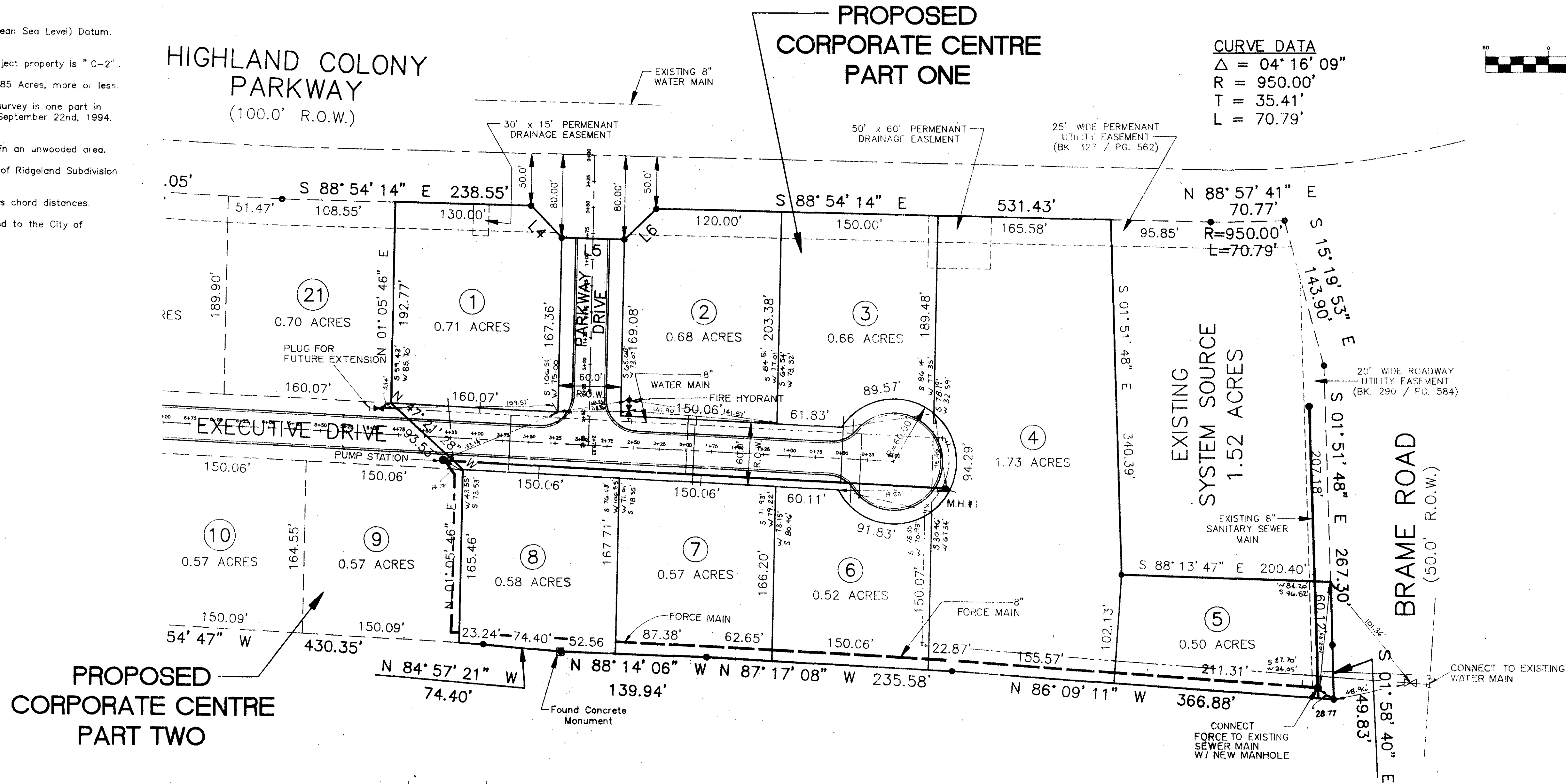
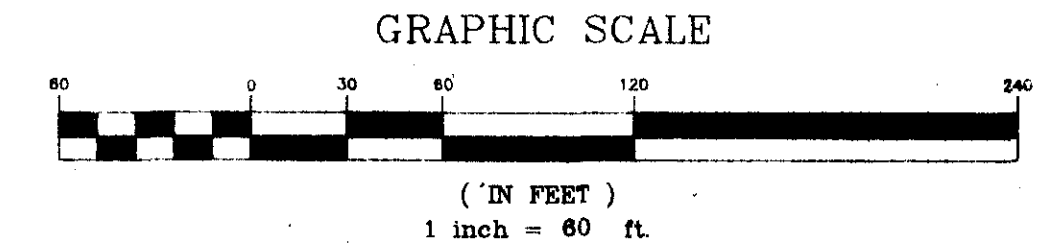
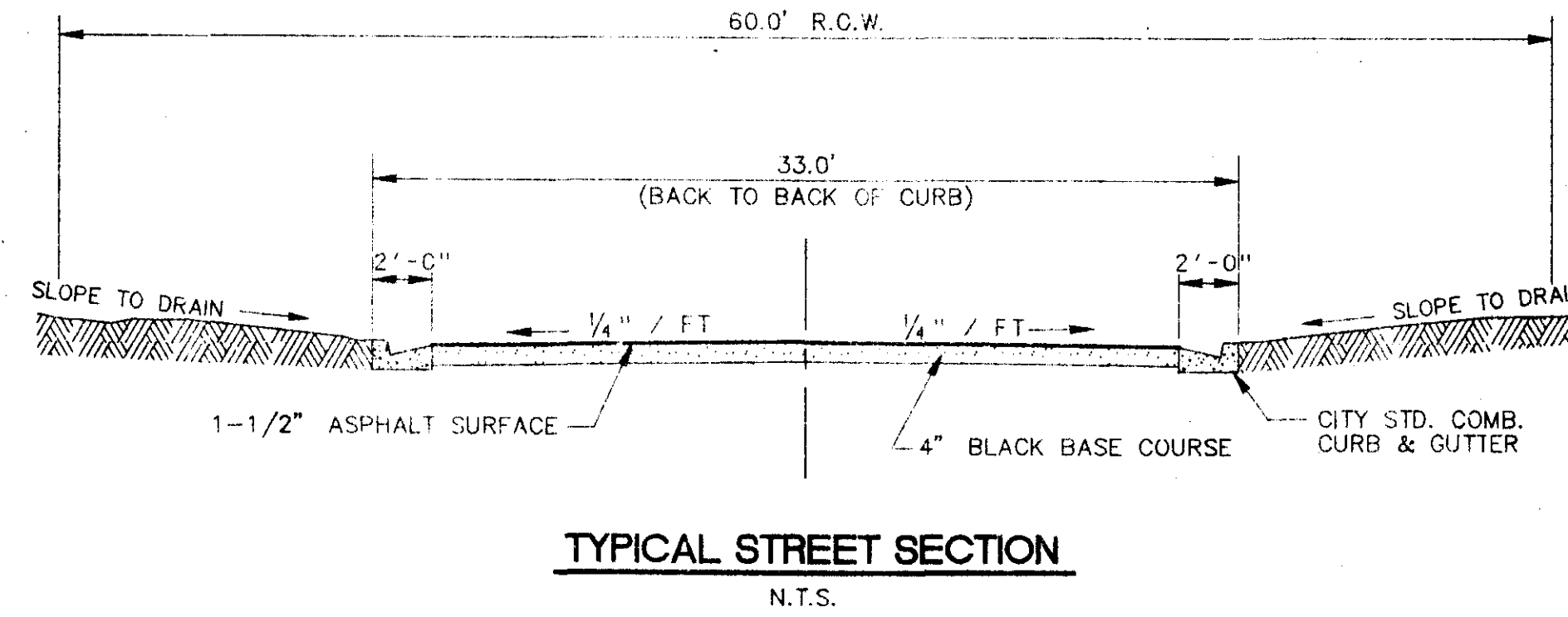
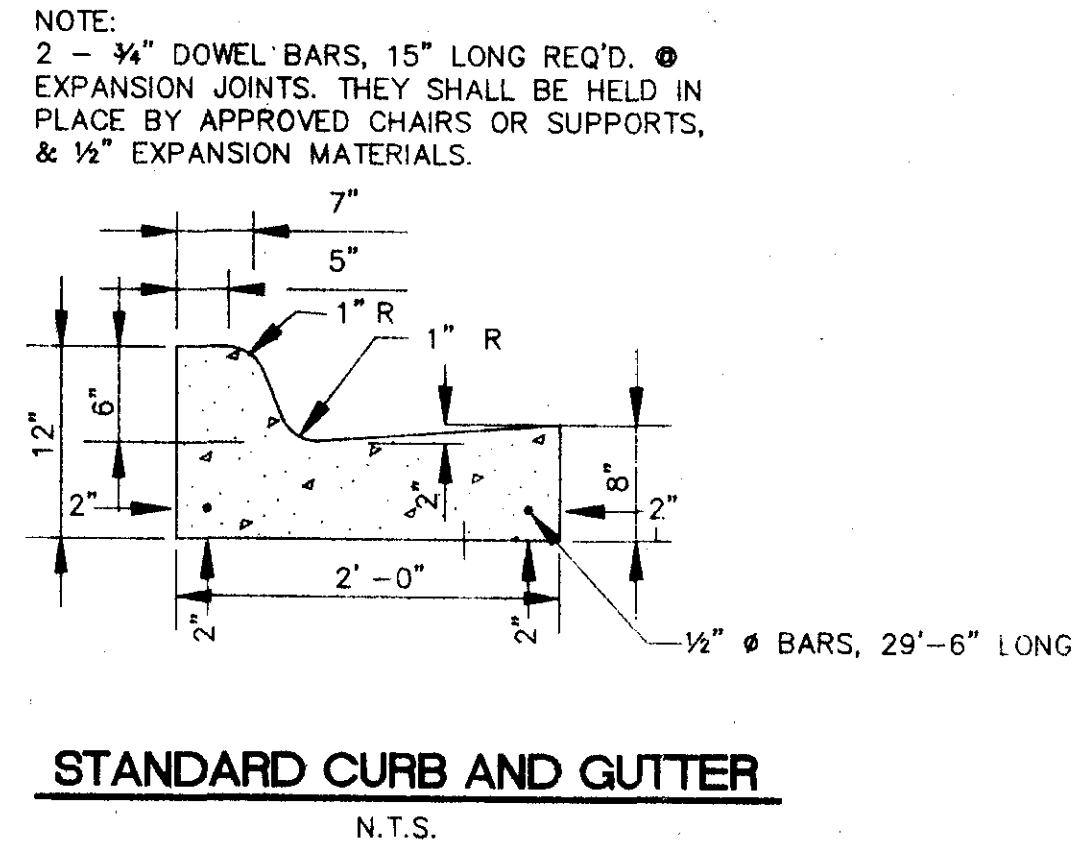
*Phillip L. Browning*  
 Phillip L. Browning, E.  
 Date: 1-9-97  
 PWP-000321



LINE	DIRECTION	DISTANCE
L1	S 41° 58' 33" E	42.40'
L2	S 86° 58' 33" E	60.00'
L3	N 48° 01' 27" E	42.43'
L4	S 43° 54' 14" E	42.43'
L5	S 88° 54' 14" E	60.00'
L6	N 46° 05' 46" E	42.43'

**GENERAL NOTES:**

- The Classification of this survey is "Class B" as set forth in the Minimum Standards for Land Surveying in the State of Mississippi (March 1988 Edition) and meets the minimum specifications for "Class B" surveys.
- The referenced meridian used to conduct the survey was shown on a previous survey.
- The subject property is located in Zone "X" according to the Flood Insurance Rate Map of Madison County, Mississippi, Community Panel No. 280989C 0320 D, dated April 15th, 1994. Zone "X" is defined as areas determined to be outside the 500-year Flood Plain.
- Owner - PARKWAY PROPERTIES  
P.O. Box 2399  
Jackson, MS. 39225
- Contours shown are referenced to M.S.L. (Mean Sea Level) Datum. Contour interval is 1.0' feet.
- The present zoning classification of the subject property is "C-2".
- The Parcel contains 304,265.62 Sq. Ft., 6.985 Acres, more or less.
- The Mathematical error of closure for this survey is one part in 98,162, and the survey was performed on September 22nd, 1994. (1:98,162)
- The entire parcel shown on this drawing is in an unwooded area.
- All construction shall conform to the City of Ridgeland Subdivision Regulations.
- All distances along curves are expressed as chord distances.
- A Five Foot Utility Easement will be granted to the City of Ridgeland on the street side of all lots.



Prepared By  
**Browning, Inc.**  
CONSULTING ENGINEERS - SURVEYORS  
P.O. Box 12711  
1058 Ridgewood Place  
Jackson, Mississippi 39211  
(601)-957-3500

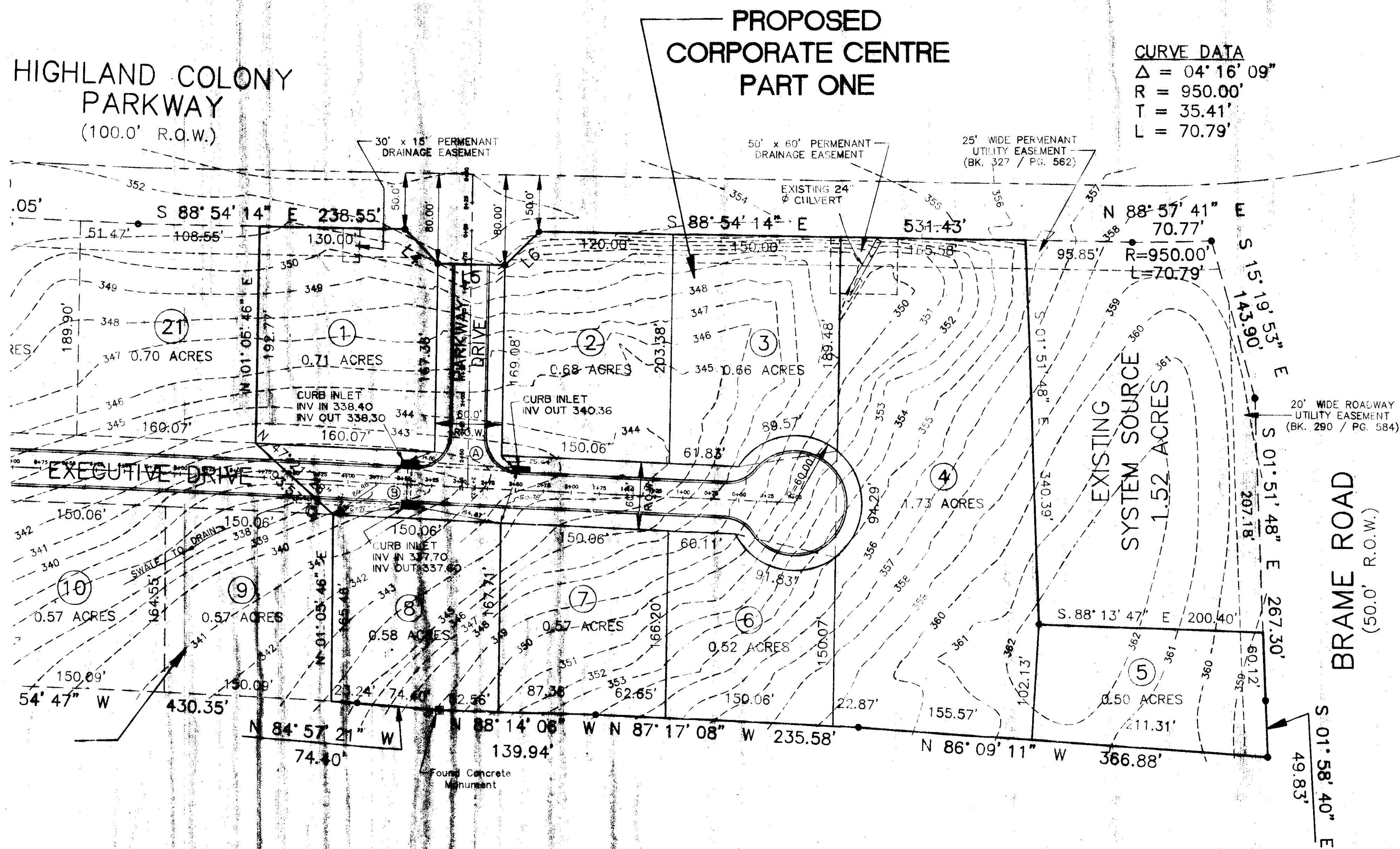
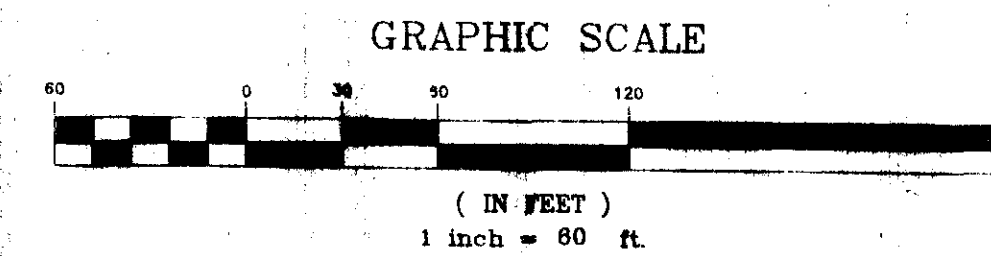
**CORPORATE CENTRE PART ONE**

**GENERAL LAYOUT**

Prepared By  
**Browning, Inc.**  
CONSULTING ENGINEERS - SURVEYORS  
1058 Ridgewood Place Jackson, Mississippi 39211 PH. (601)-957-3500

DESIGNED BY: P.L.D. SCALE: AS SHOWN SHEET No. 2 OF 11  
DRAWN BY: J.S.R. DATE: 08/09/96

SHORT LINE TABLE		
LINE	DIRECTION	DISTANCE
L1	S 41° 58' 33" E	42.40'
L2	S 86° 58' 33" E	60.00'
L3	N 48° 01' 27" E	42.45'
L4	S 43° 54' 14" E	42.43'
L5	S 88° 54' 14" E	60.00'
L6	N 46° 09' 46" E	42.43'



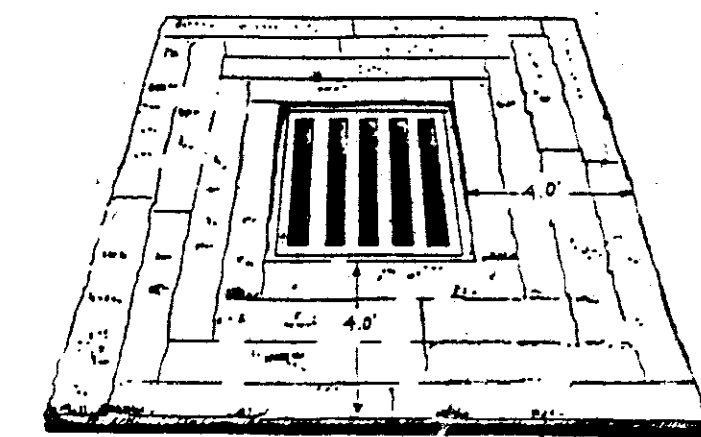
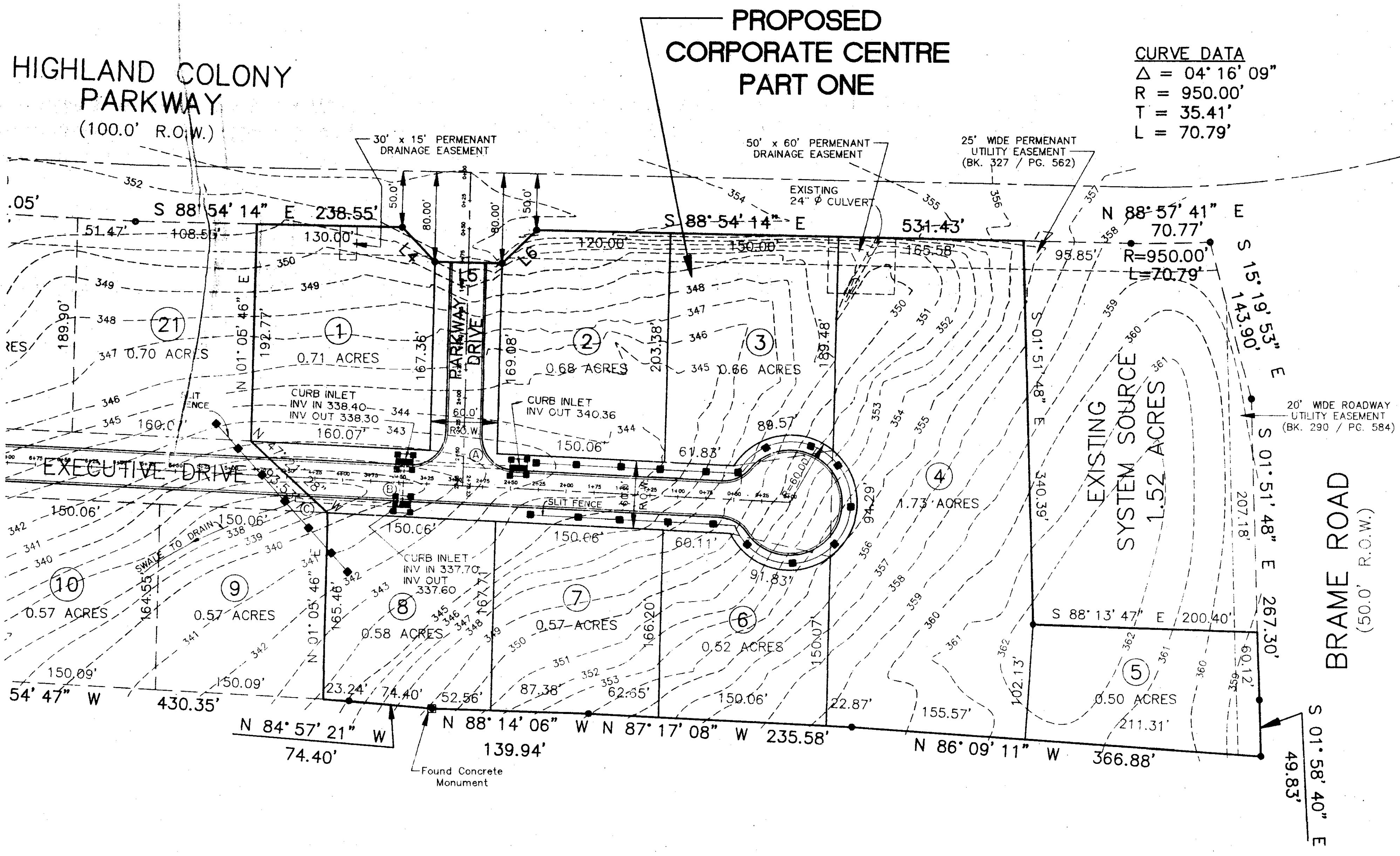
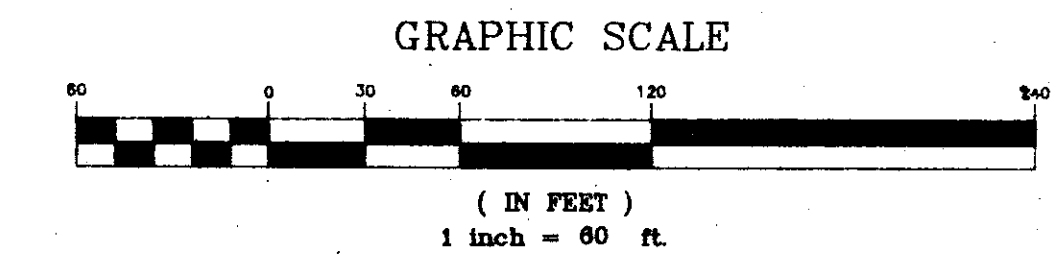
**CURVE DATA**  
 $\Delta = 04^{\circ} 16' 09''$   
 $R = 950.00'$   
 $T = 35.41'$   
 $L = 70.79'$

- (A) 98' L.F. 36"  $\phi$  RCP @ 2.00 %
- (B) 36' L.F. 36"  $\phi$  RCP @ 2.00 %
- (C) 110' L.F. 36"  $\phi$  RCP @ 2.00 %

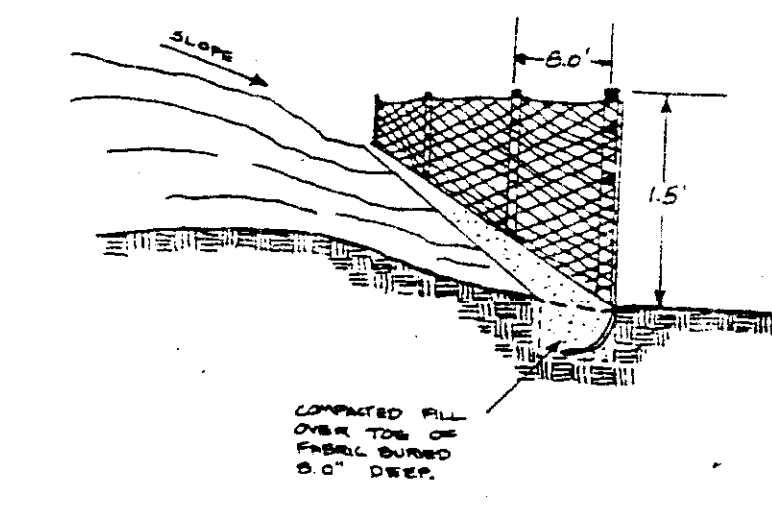
Prepared By  
**Browning, Inc.**  
 CONSULTING ENGINEERS - SURVEYORS  
 P.O. Box 12711  
 1058 Ridgewood Place  
 Jackson, Mississippi 39211  
 (601) 357-3500

<b>CORPORATE CENTRE PART ONE</b>			
<b>DRAINAGE LAYOUT</b>			
Prepared By <b>Browning, Inc.</b>			
CONSULTING ENGINEERS - SURVEYORS			
1058 Ridgewood Place Jackson, Mississippi 39211		PH. (601)-357-3500	
DESIGNED BY: F.L.D.	SCALE: AS SHOWN	SHEET No.	
DRAWN BY: JGR	DATE: 08/09/94	3	OF 11





TYPICAL STORM DRAIN INLET PROTECTION



TYPICAL SEDIMENT FENCE INSTALLATION

- NOTES:
1. Natural vegetation shall be retained and protected during construction.
  2. Dust control shall be provided as needed by watering or other acceptable method.

- (A) 98 L.F. 36"  $\phi$  RCP @ 2.00 %
- (B) 36 L.F. 36"  $\phi$  RCP @ 2.00 %
- (C) 110 L.F. 36"  $\phi$  RCP @ 2.00 %

- LEGEND
- Sediment Fence
  - Storm Drain Inlet Protection
  - Rip Rap As Req'd

Prepared By:  
**Browning, Inc.**  
 CONSULTING ENGINEERS - SURVEYORS  
 P.O. Box 12711  
 1058 Ridgewood Place  
 Jackson, Mississippi 39211  
 (601)-957-3500

**CORPORATE CENTRE  
PART ONE**

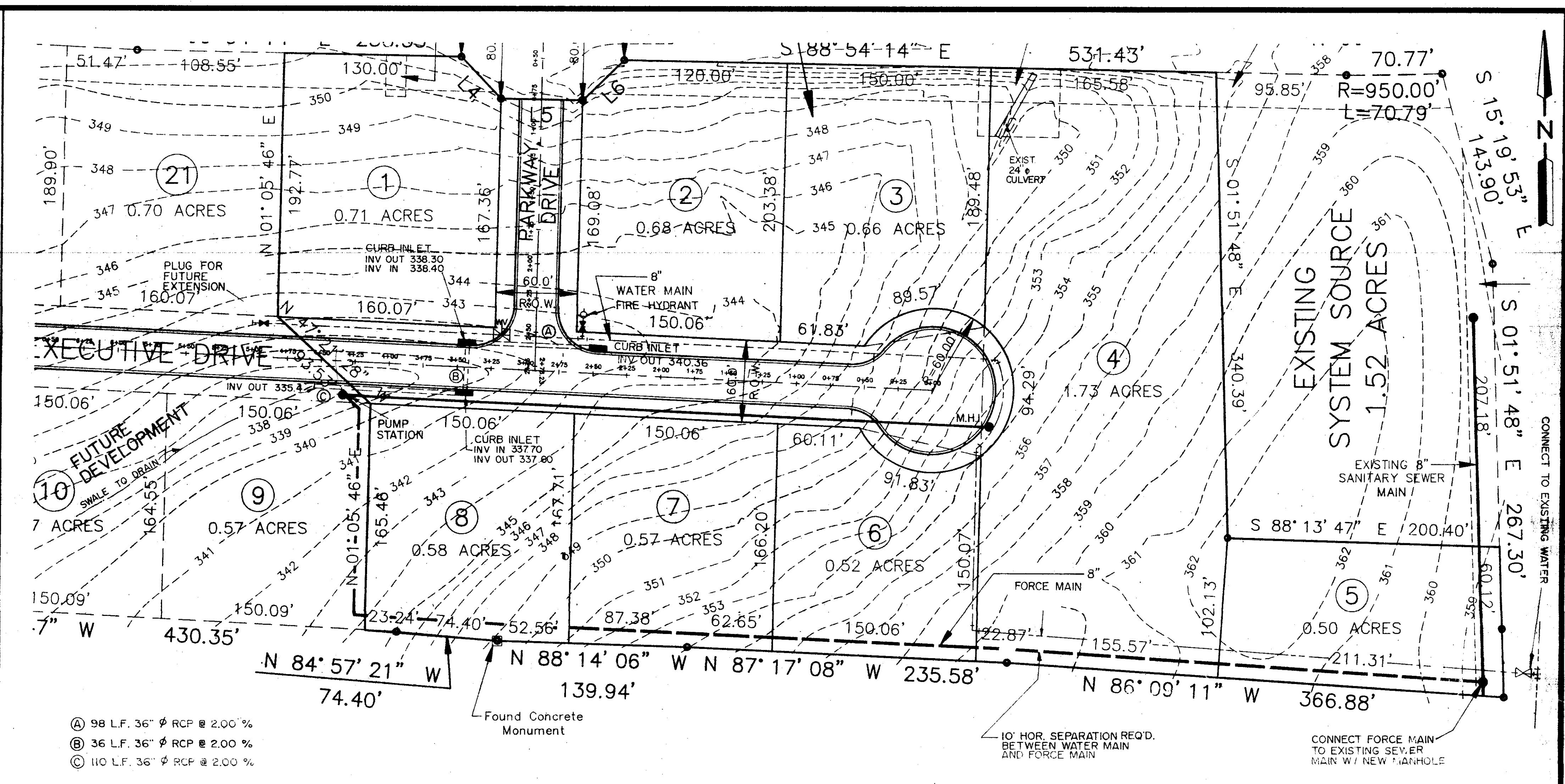
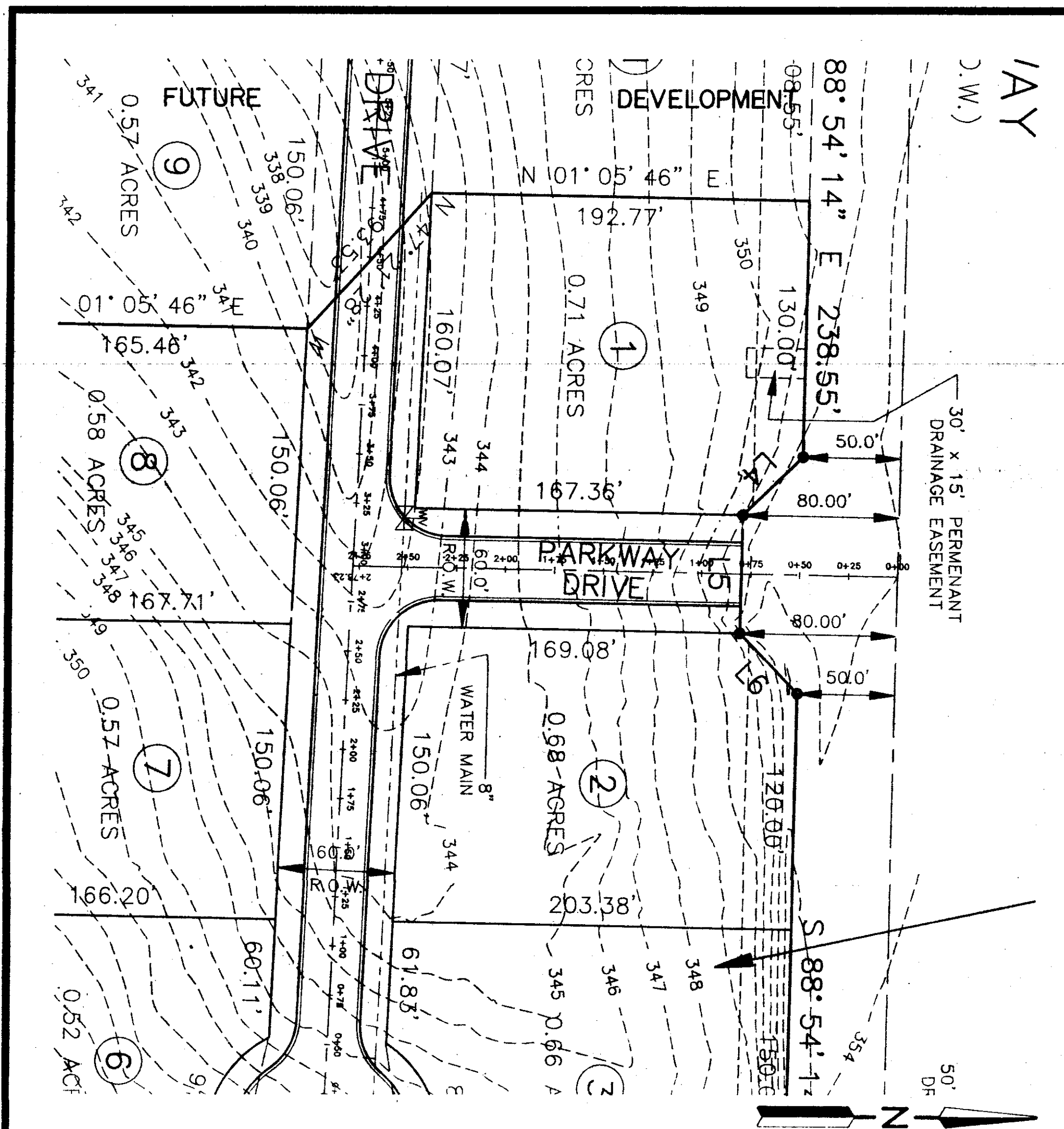
**SILTATION PREVENTION PLAN**

Prepared By:  
**Browning, Inc.**  
 CONSULTING ENGINEERS - SURVEYORS

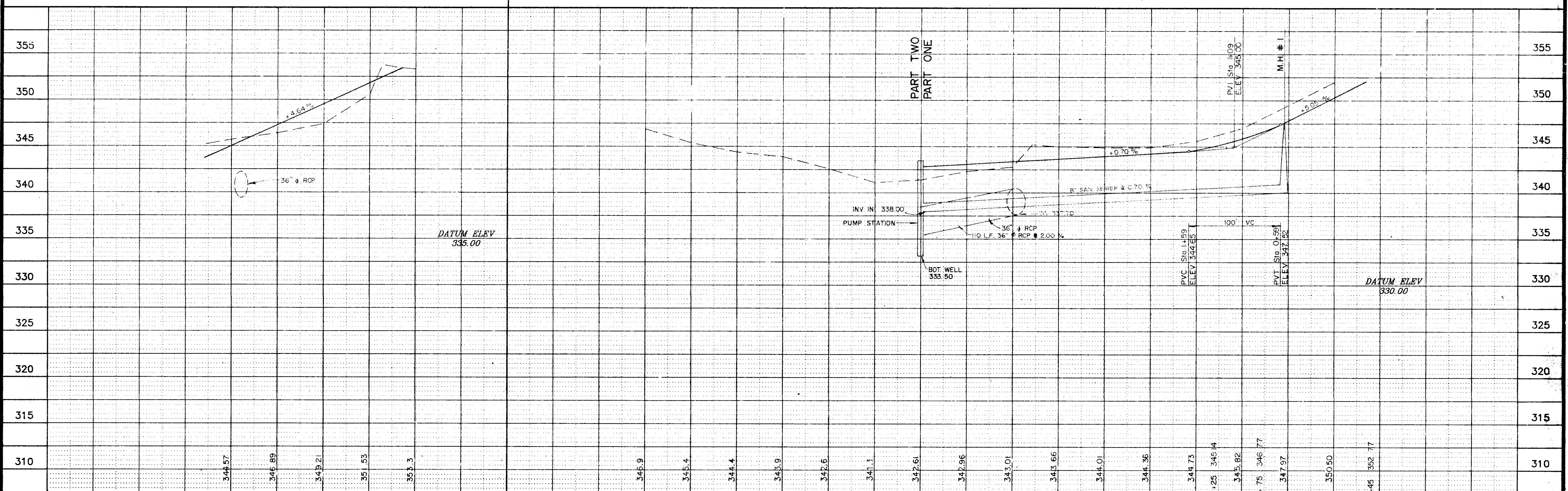
1058 Ridgewood Place Jackson, Mississippi 39211 PH. (601)-957-3500

DESIGNED BY: P.L.D.	SCALE: AS SHOWN	SHEET NO.:
DRAWN BY: J.S.R.	DATE: 02/03/34	4 OF 11

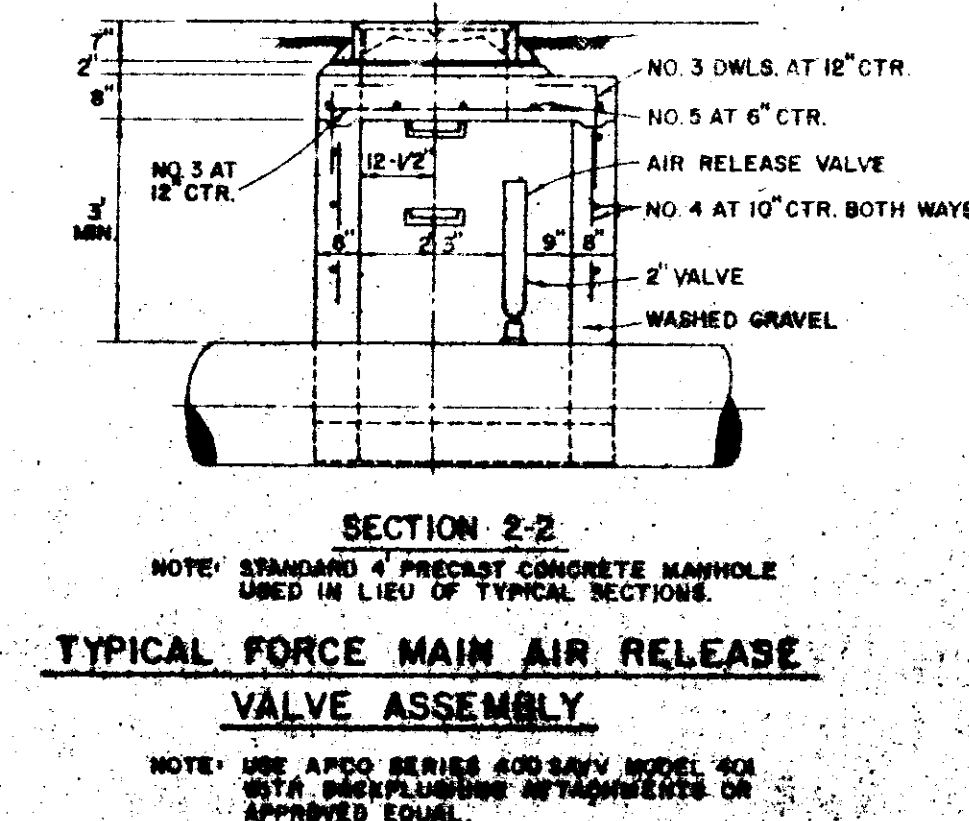
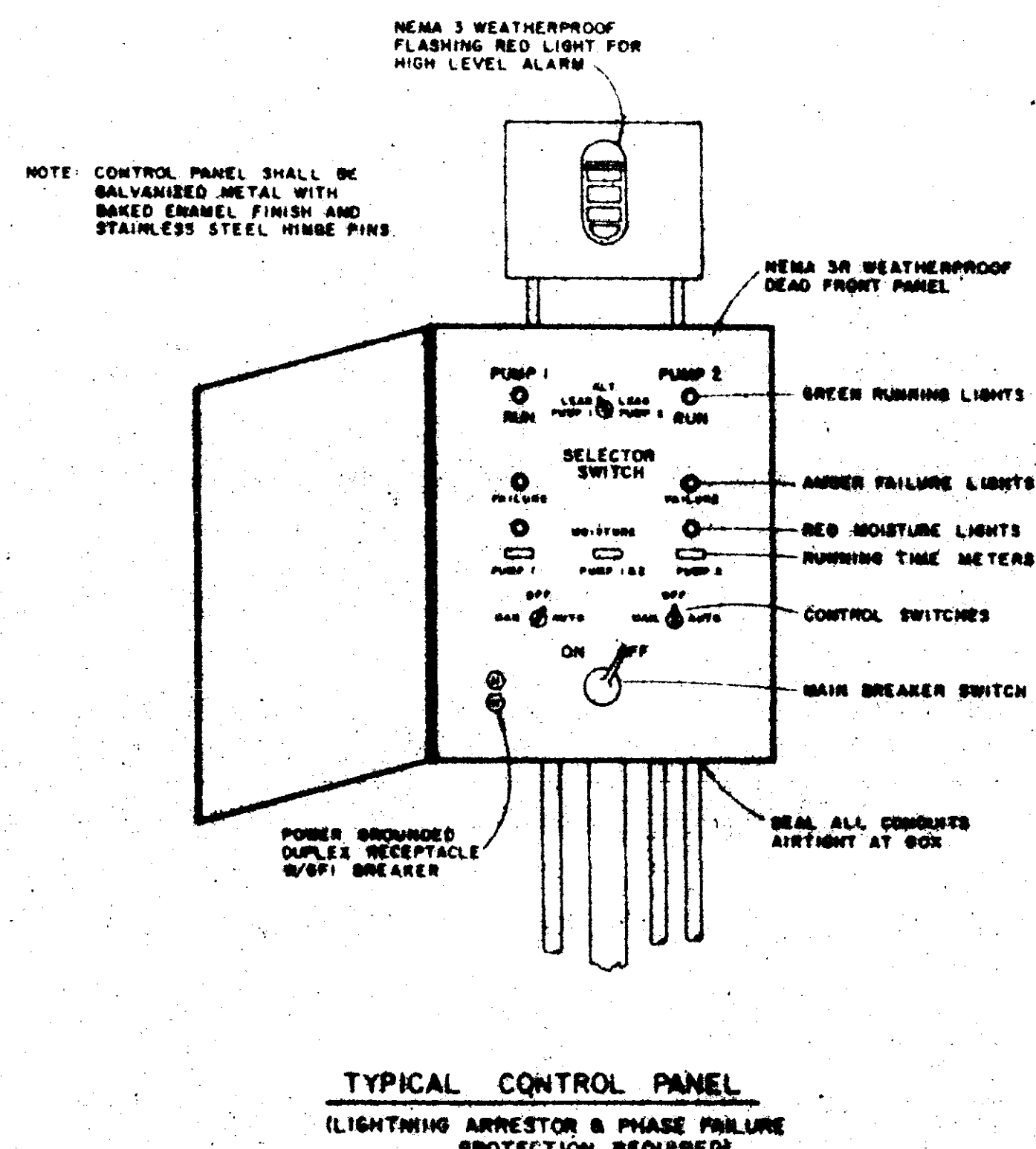
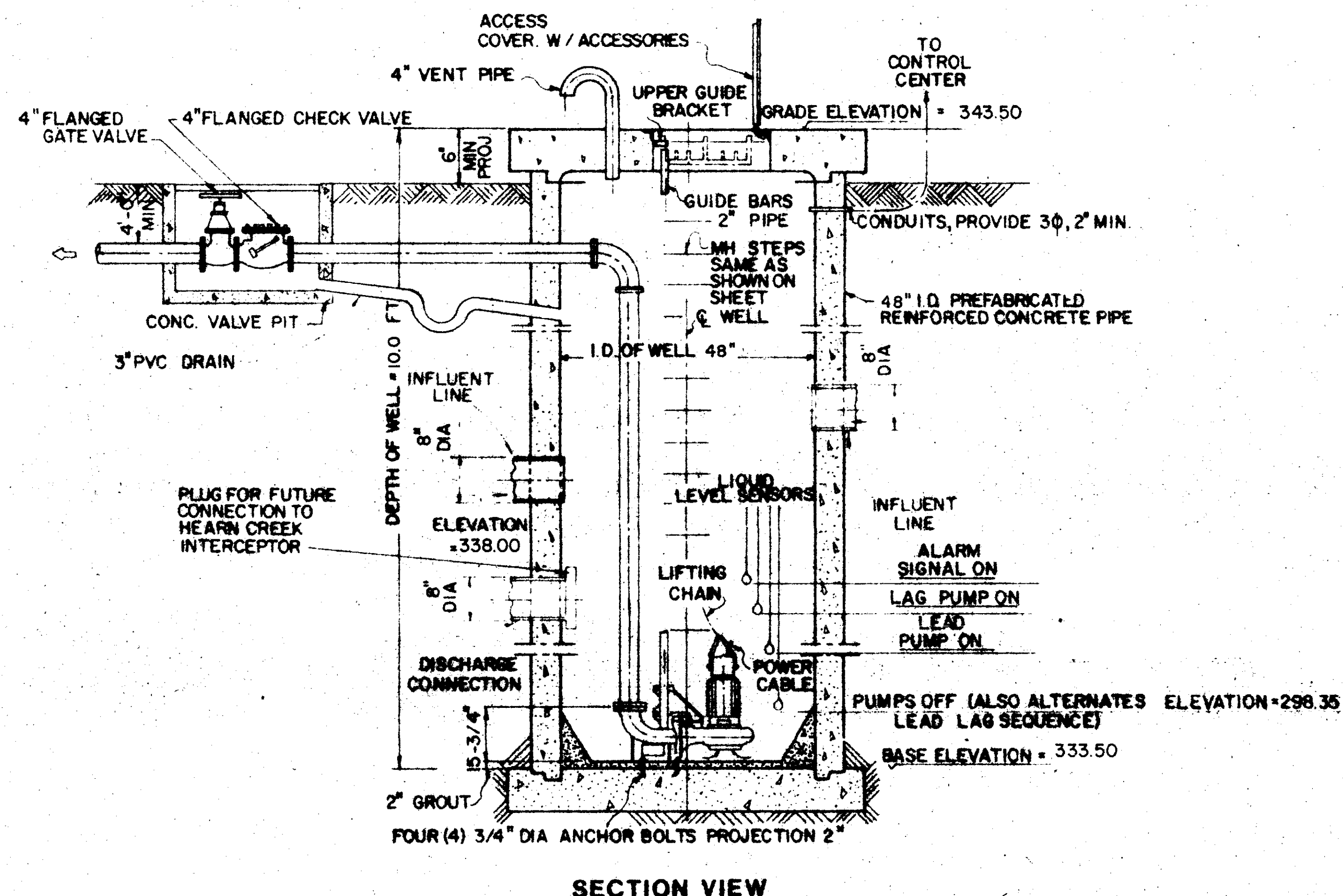
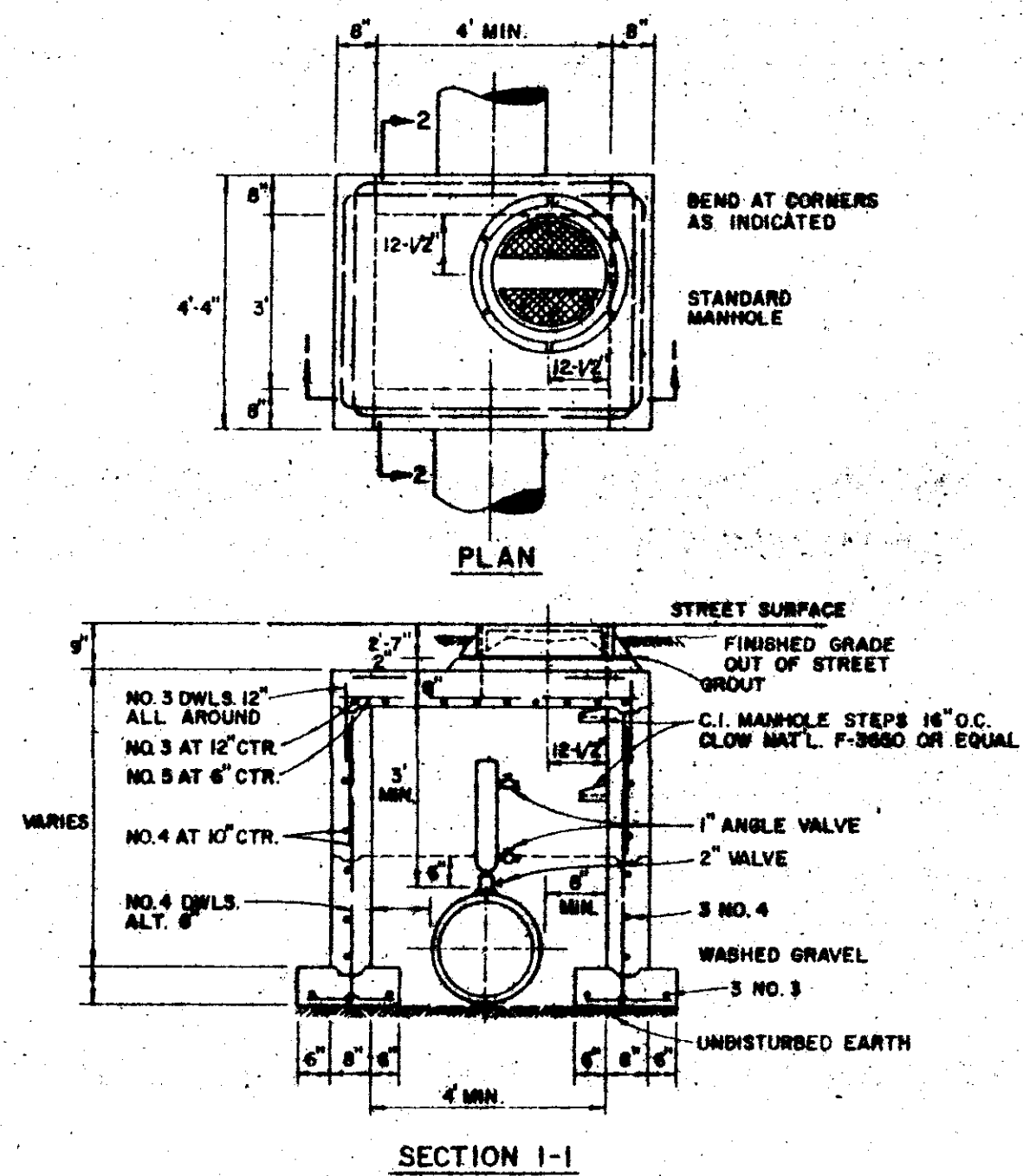
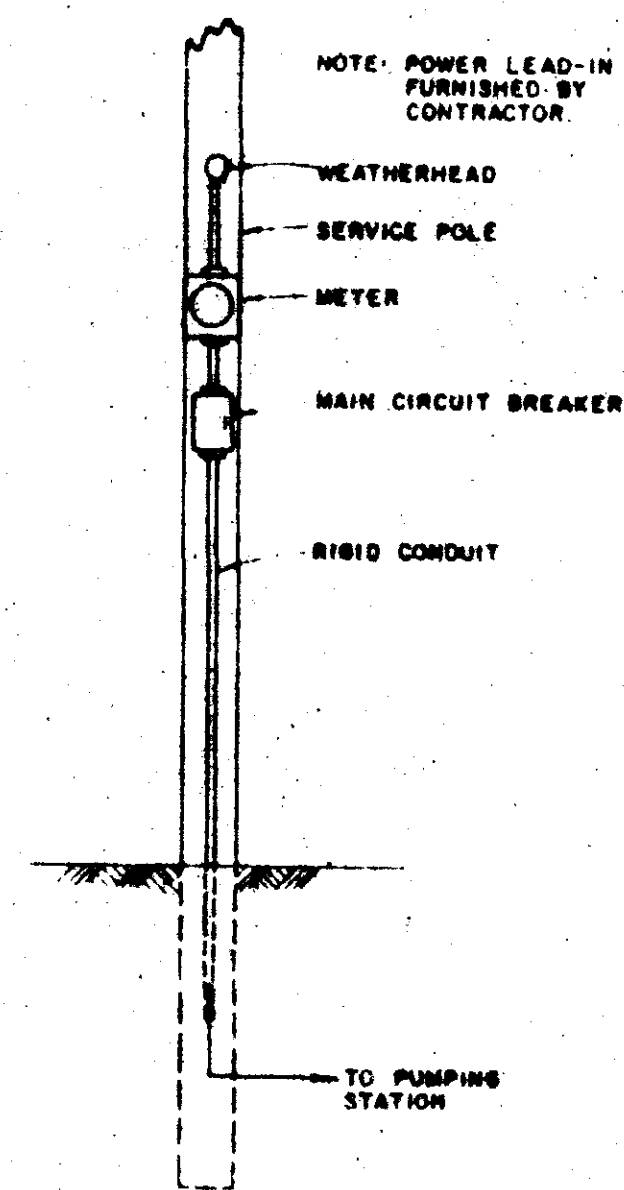
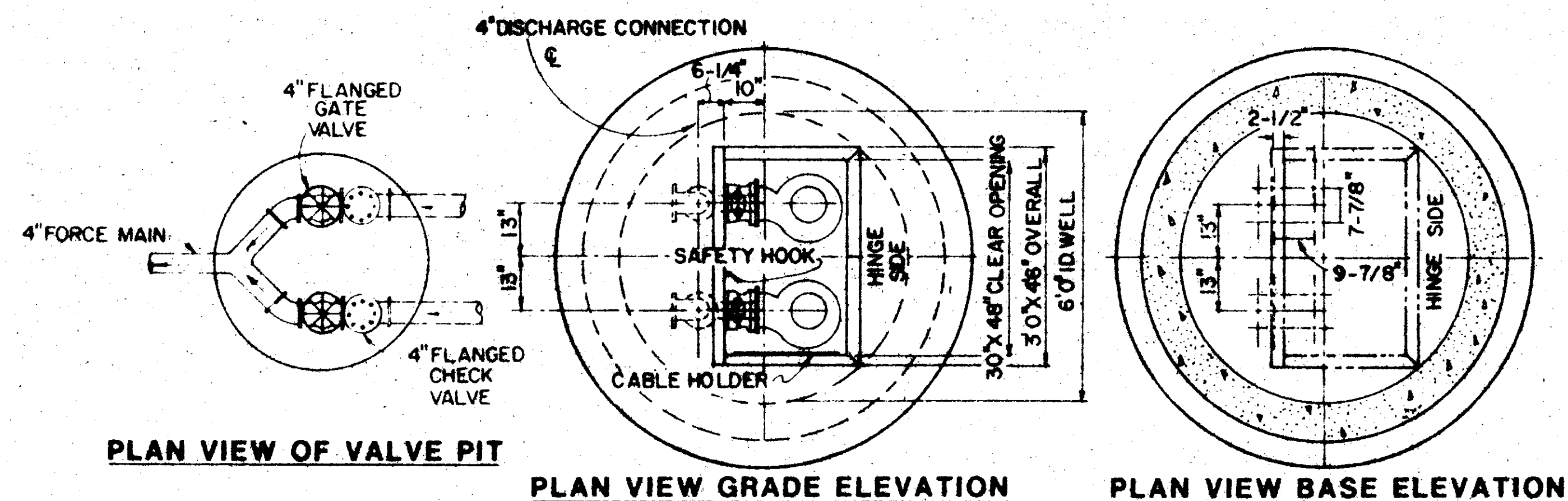




- Ⓐ 98 L.F. 36" ϕ RCP @ 2.00 %
- Ⓑ 36 L.F. 36" ϕ RCP @ 2.00 %
- Ⓒ 110 L.F. 36" ϕ RCP @ 2.00 %





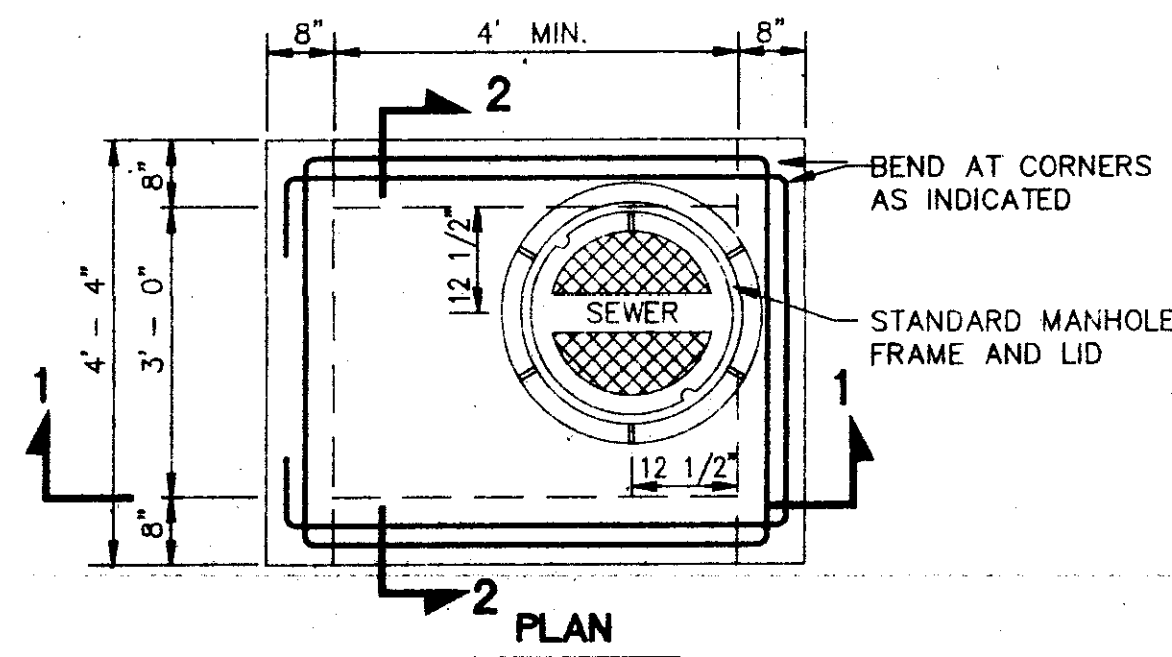


**CORPORATE CENTRE  
PART ONE  
SEWAGE PUMP STATION  
AND  
FORCE MAIN DETAILS**

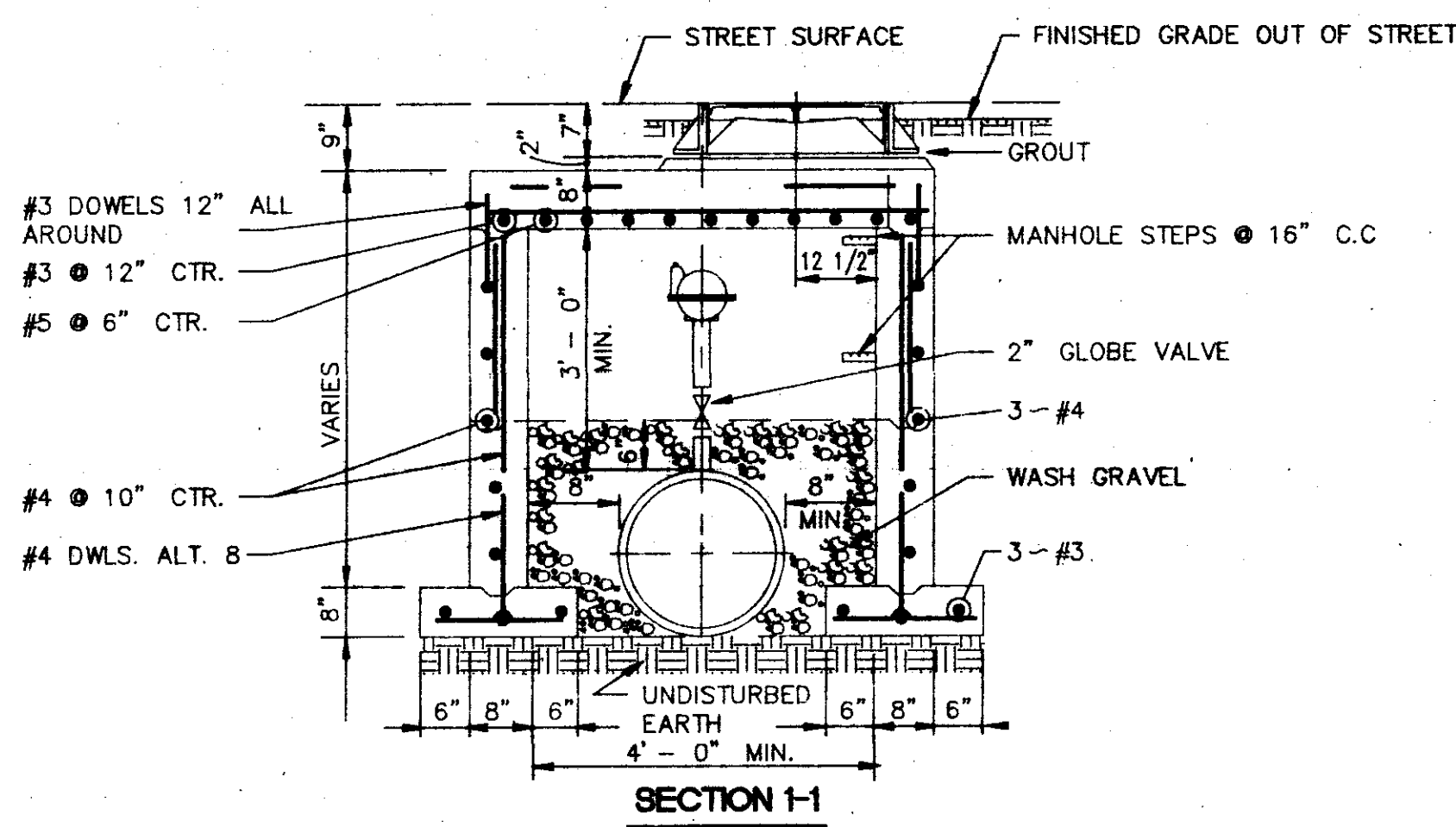
BROWNING INC.  
CONSULTING ENGINEERS JACKSON, MISSISSIPPI

DESIGNED BY P.L.B. SCALE NONE SHEET 6 OF 11  
DRAWN BY J.F. DATE JUNE, 1996

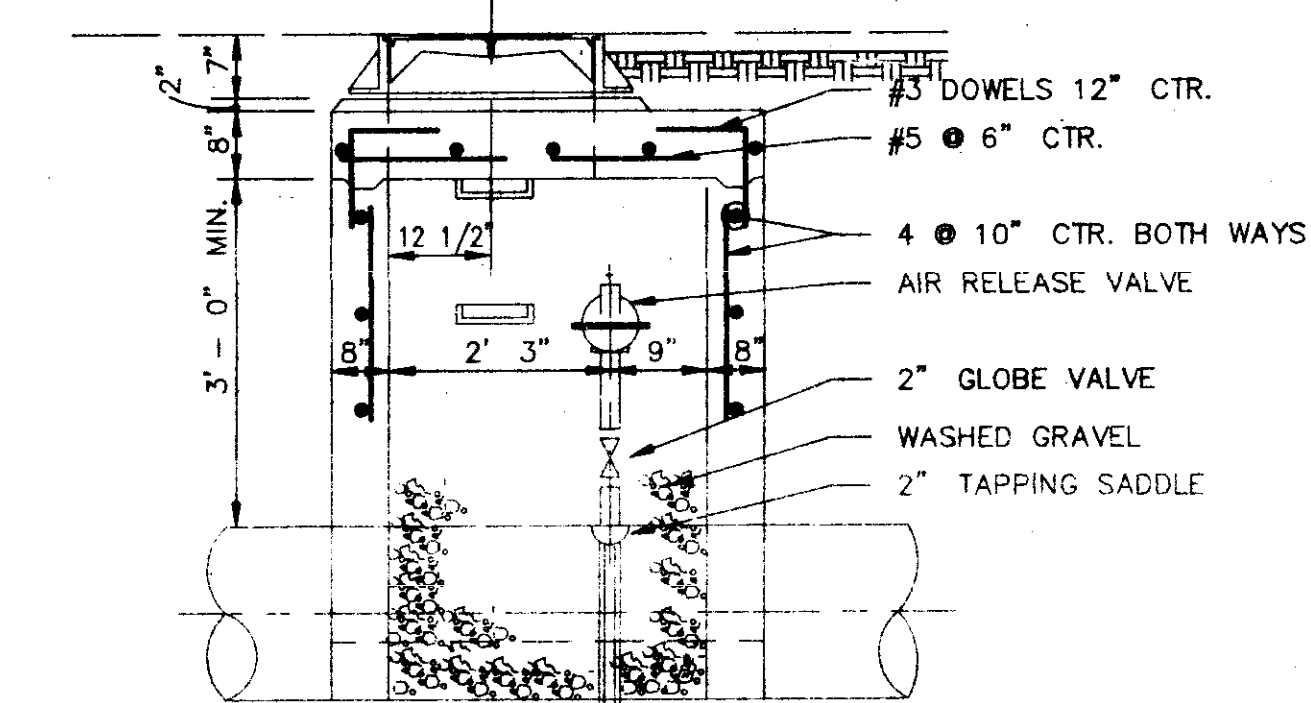




PLAN

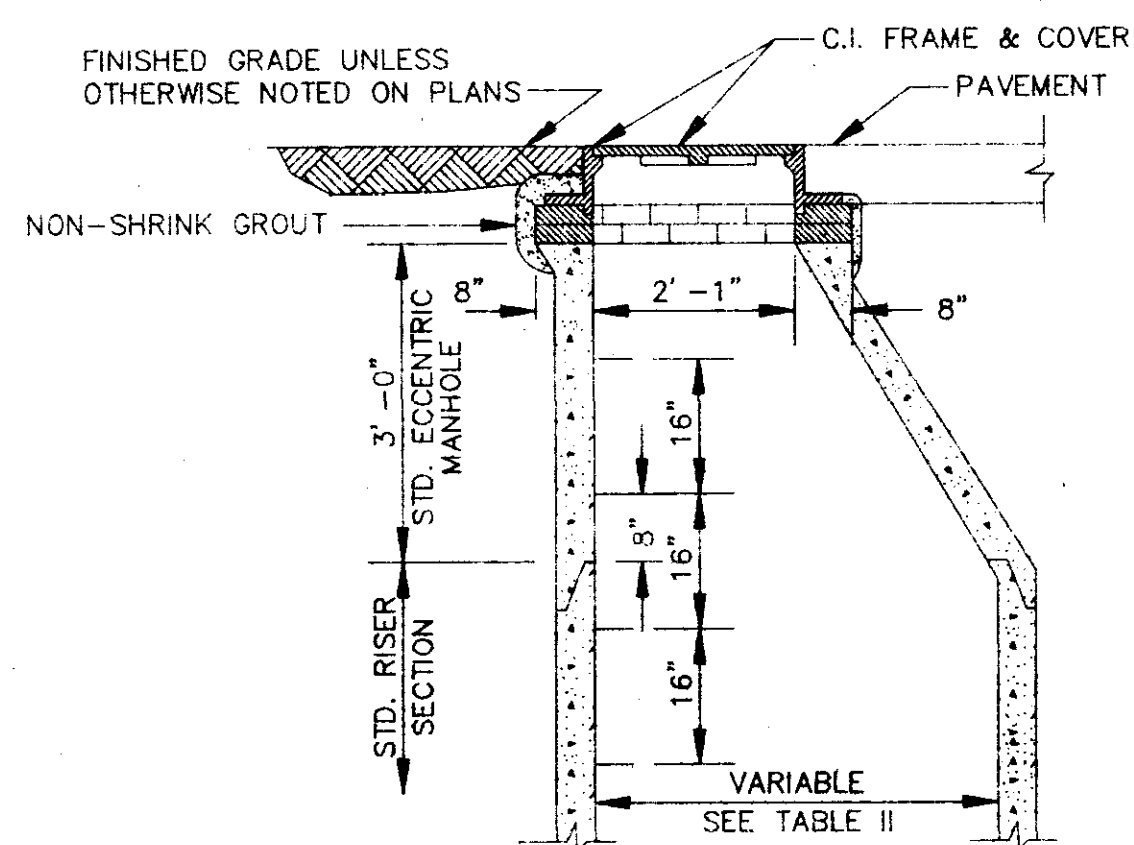


SECTION 1-1



TYPICAL AIR OR AIR VACUUM RELEASE VALVE  
INSTALLATION WITH MANHOLE

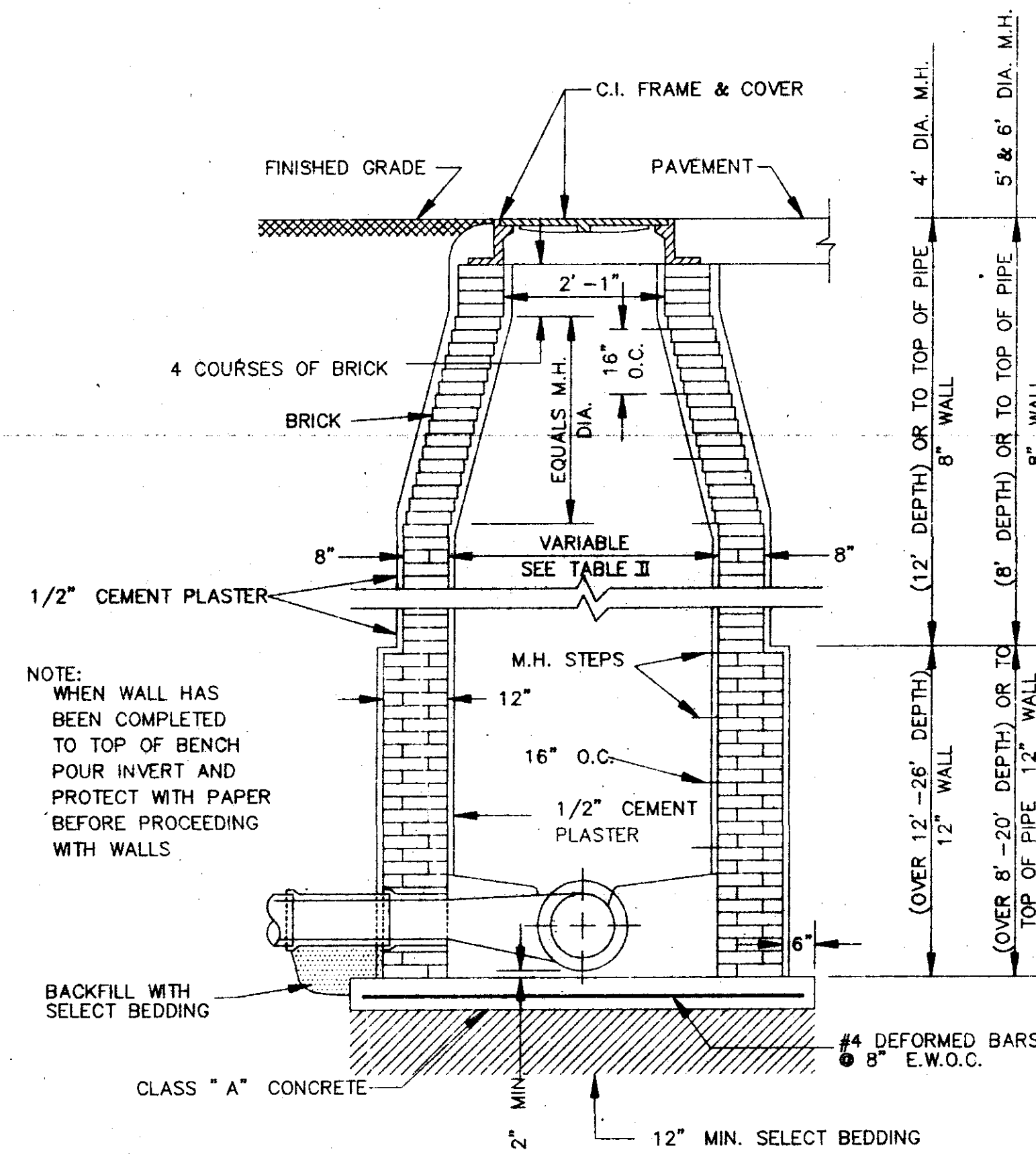
NOT TO SCALE



STANDARD ECCENTRIC CONE  
FOR ALL DIAMETER MANHOLES

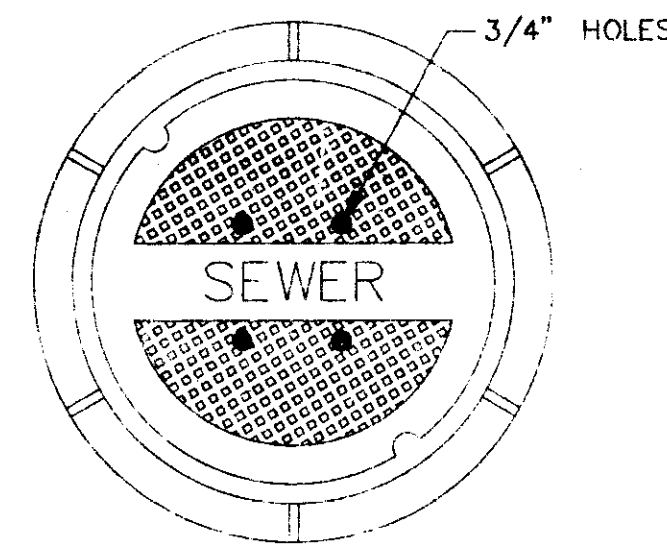
N.T.S.

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



STANDARD BRICK MANHOLE

N.T.S.

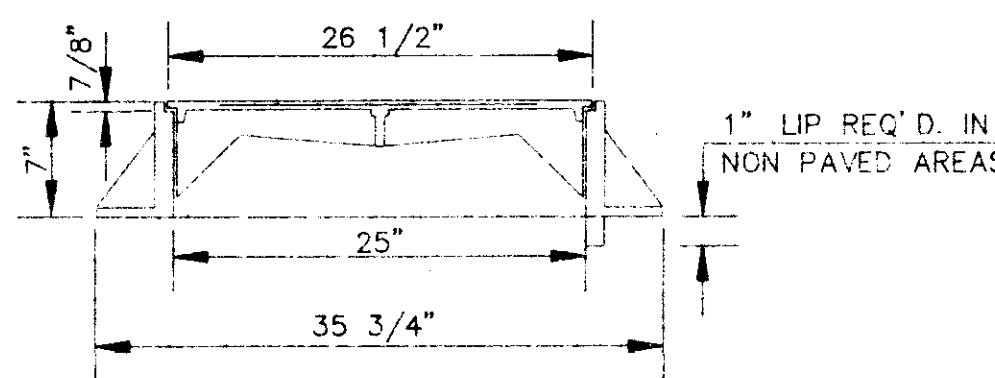


TOP PLAN OF COVER

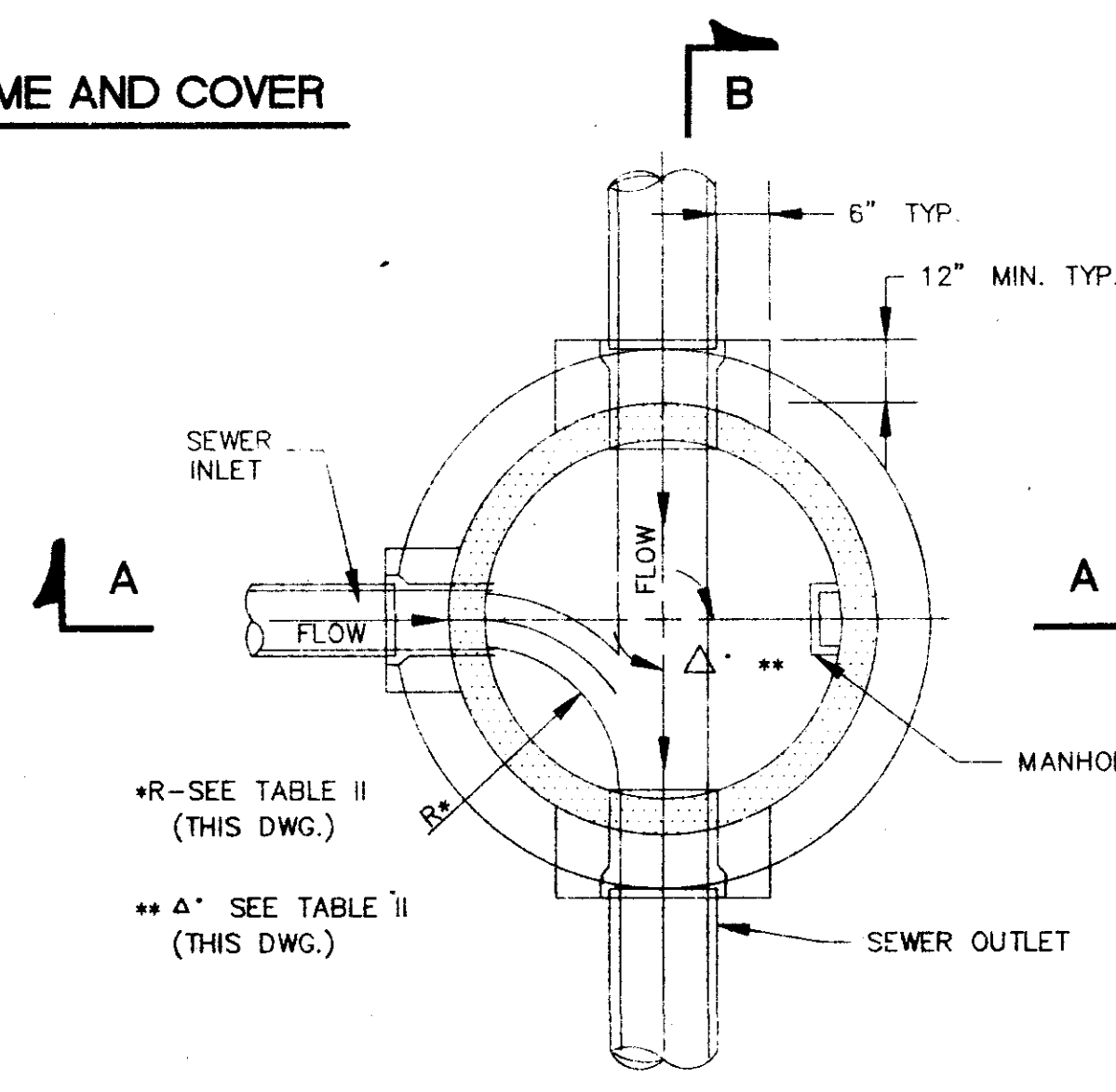
FRAME & COVER WEIGHT 420 LBS.

STANDARD MANHOLE FRAME AND COVER

N.T.S.



SECTION



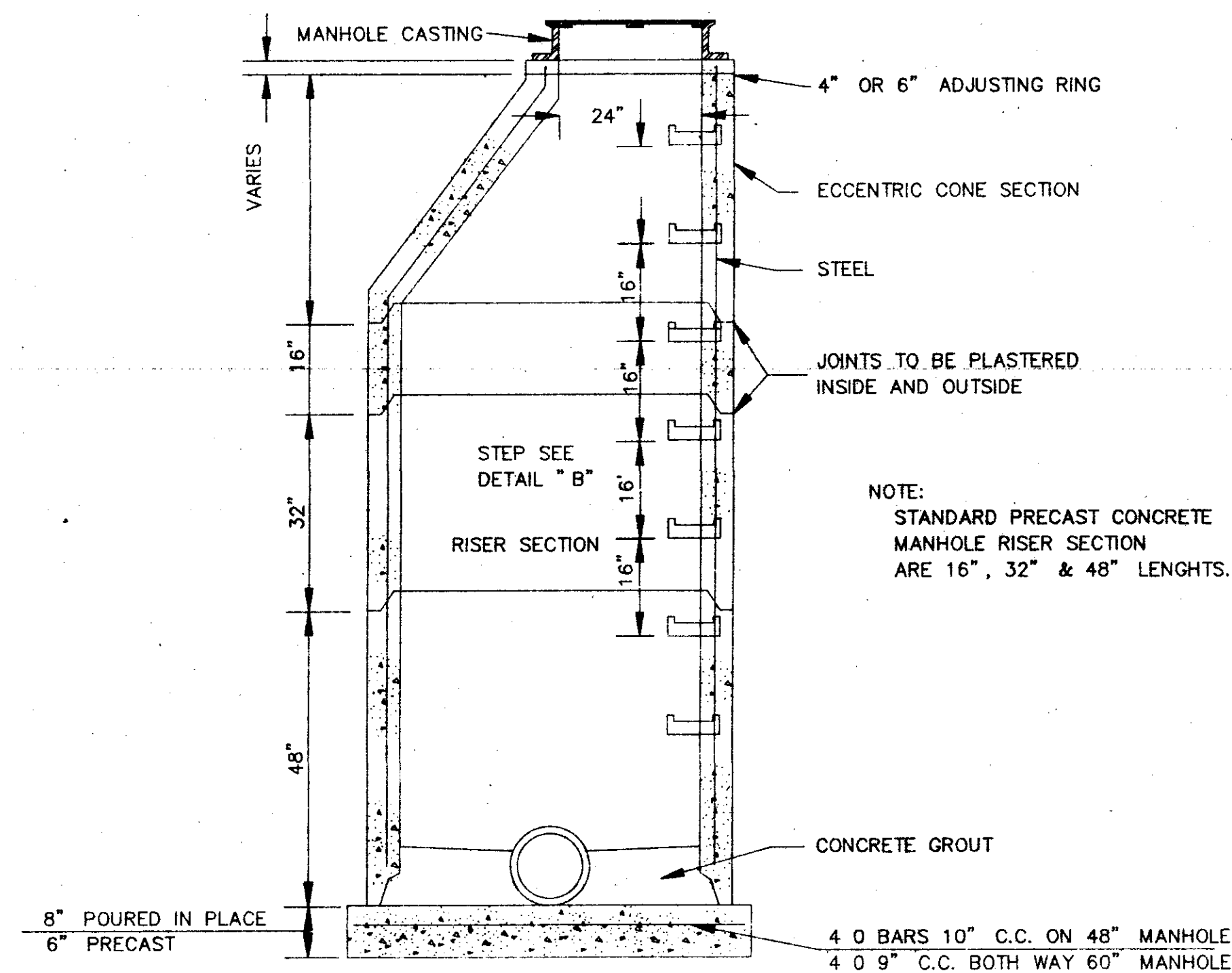
SECTIONAL PLAN  
STANDARD MANHOLE

N.T.S.

\*R-SEE TABLE II  
(THIS DWG.)  
\*\*A\* SEE TABLE II  
(THIS DWG.)

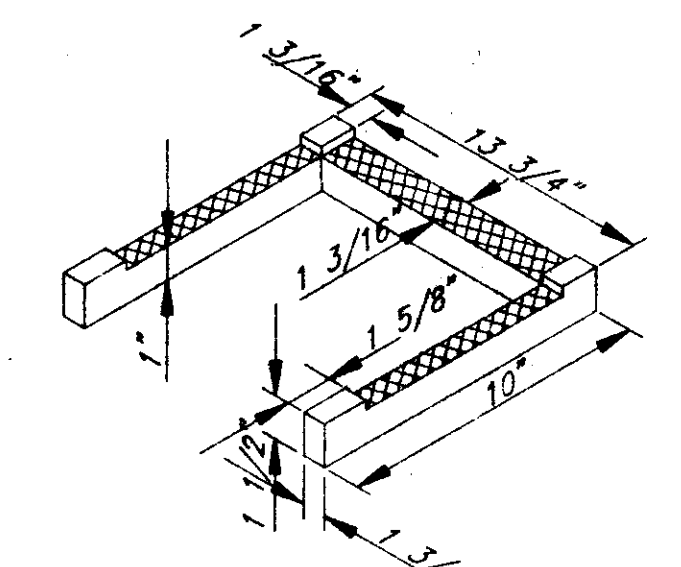
TABLE II GOVERNING DIMENSIONS FOR MANHOLES			
PIPE SIZE	ANGLE	BASE DIAMETER **	"R"
8" THRU 12"	0° TO 90°	4'	1' - 6"
15"	0° TO 60°	4'	1' - 10"
15"	60° TO 90°	4'	1' - 10"
18"	0° TO 60°	4'	2' - 3"
18"	60° TO 90°	4'	1' - 10"
21"	0° TO 60°	4'	2' - 7"
21"	60° TO 90°	5'	2' - 4"
24"	0° TO 45°	4'	3' - 0"
24"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

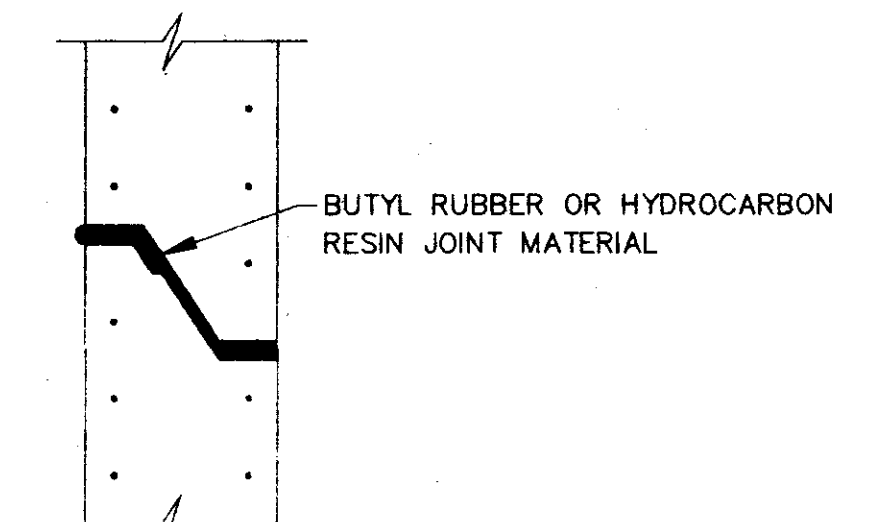


SECTION OF PRECAST CONCRETE MANHOLE

N.T.S.

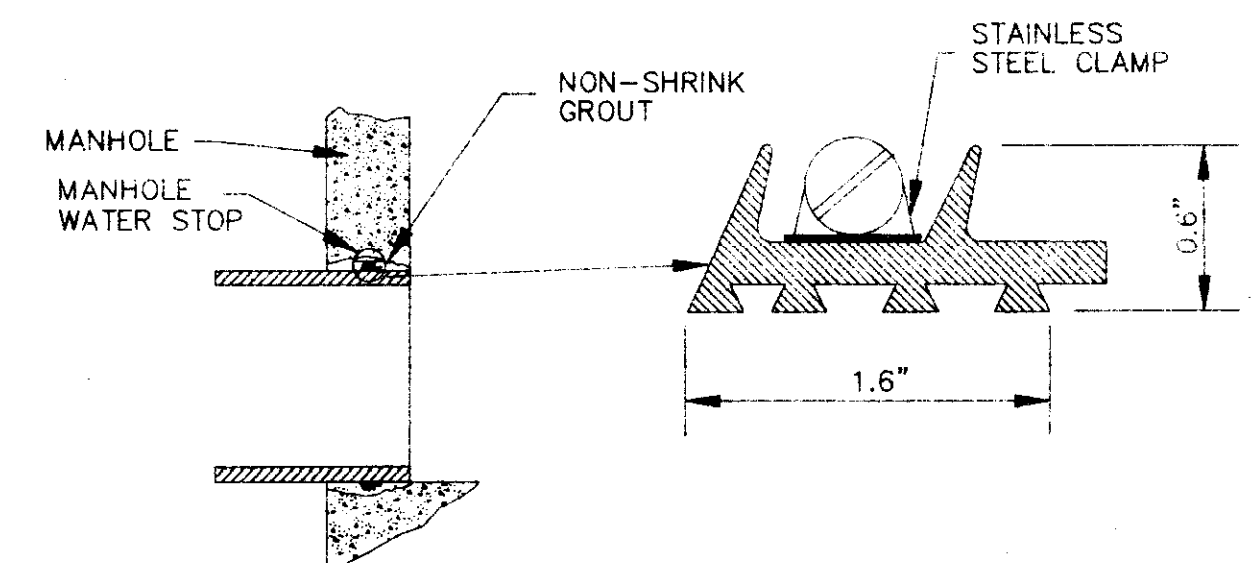


DETAIL 'B'



TYPICAL PRECAST CONCRETE  
MANHOLE JOINT DETAIL

N.T.S.



TYPICAL MANHOLE WATER STOP  
FOR ABS, CLAY OR PVC PIPE

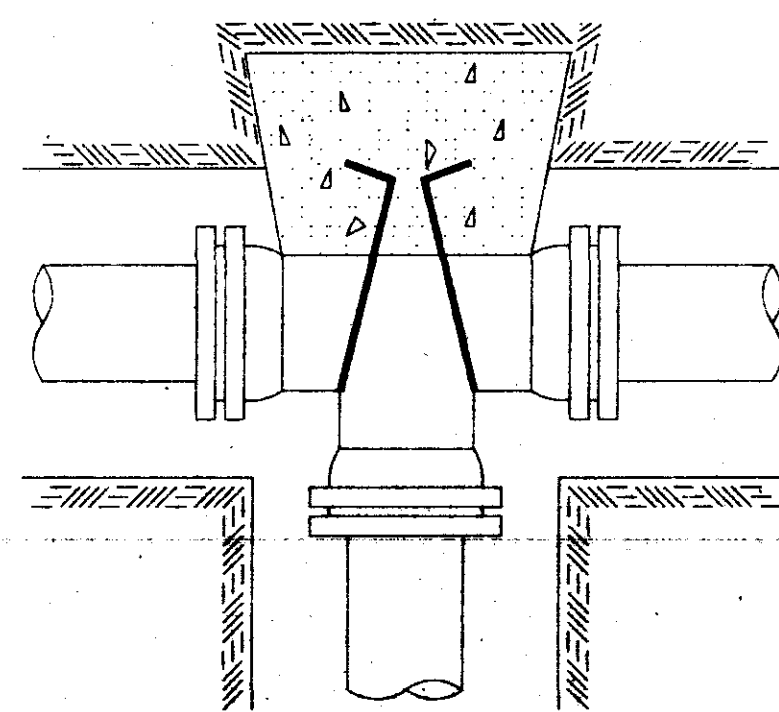
EXISTING AND "STRADDLE" MANHOLES  
N.T.S.

CORPORATE CENTRE  
PART ONE

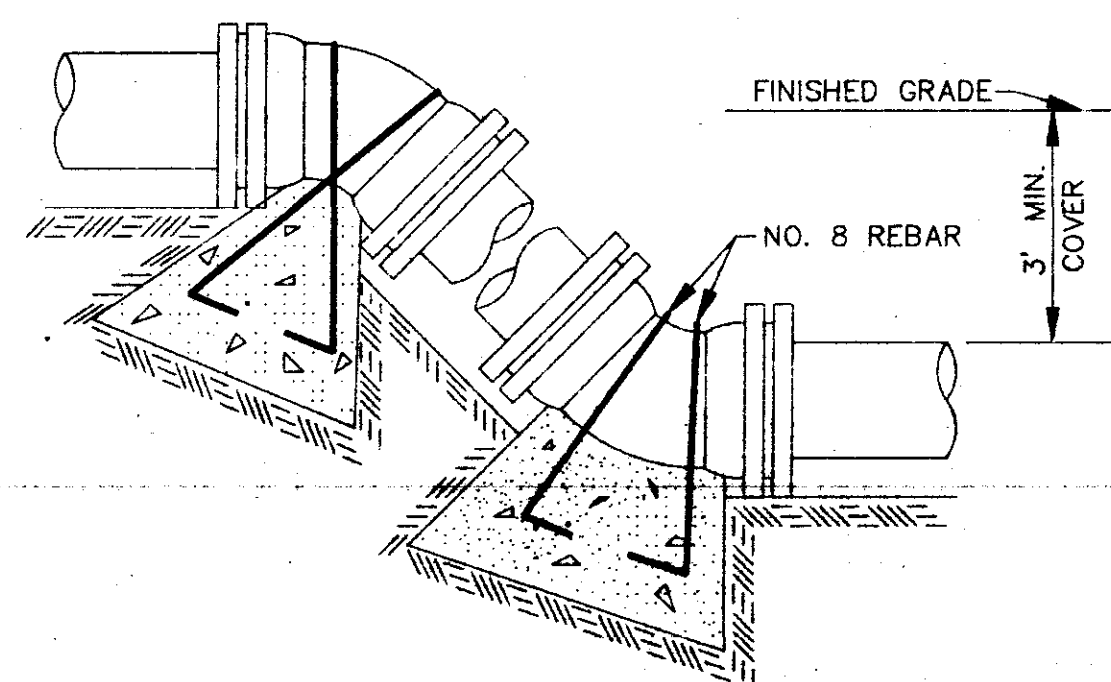
TYPICAL MANHOLE DETAILS

Prepared By:  
**Browning, Inc.**  
CONSULTING ENGINEERS - SURVEYORS  
1058 Ridgewood Place Jackson, Mississippi 39211 PH: (601)-957-3500  
DESIGNED BY: P.L.D. SCALE: NONE SHEET No. 7 OF 11  
DRAWN BY: J.S.R. DATE: 06/11/96

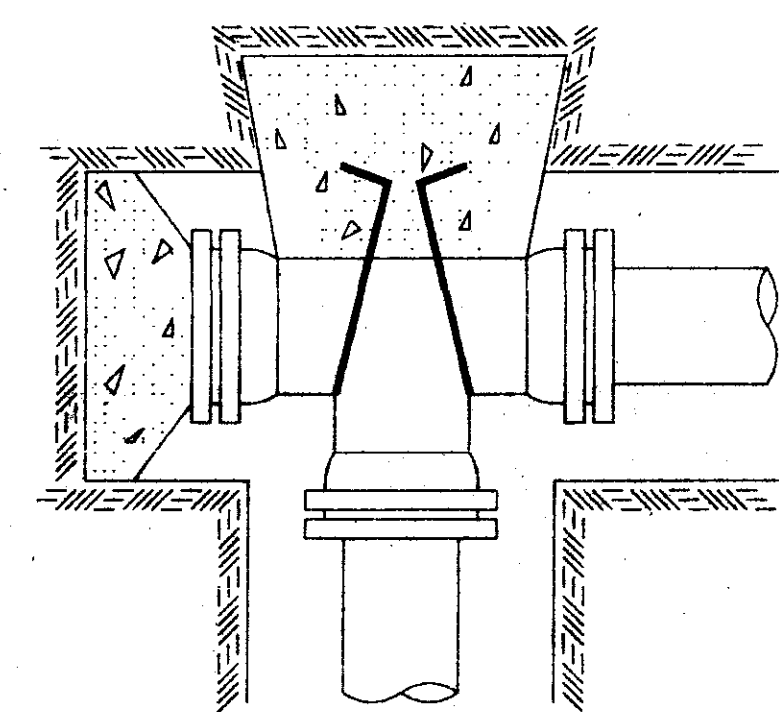




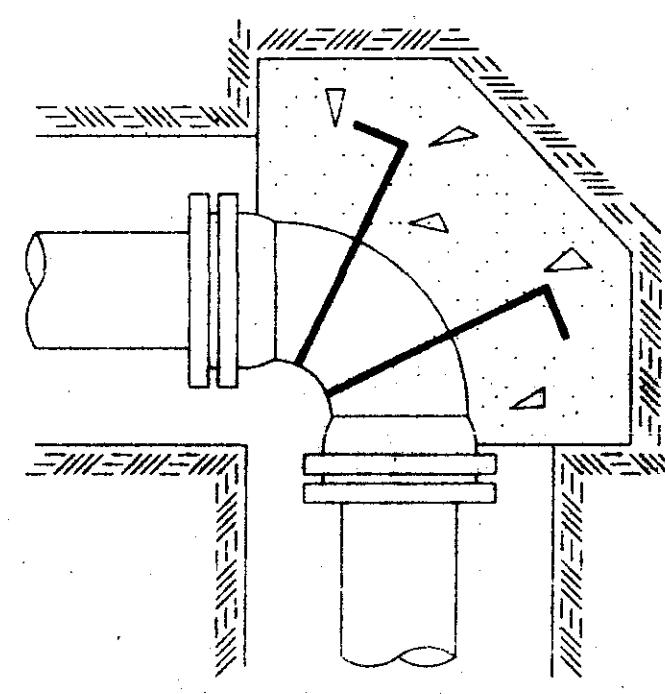
TEE



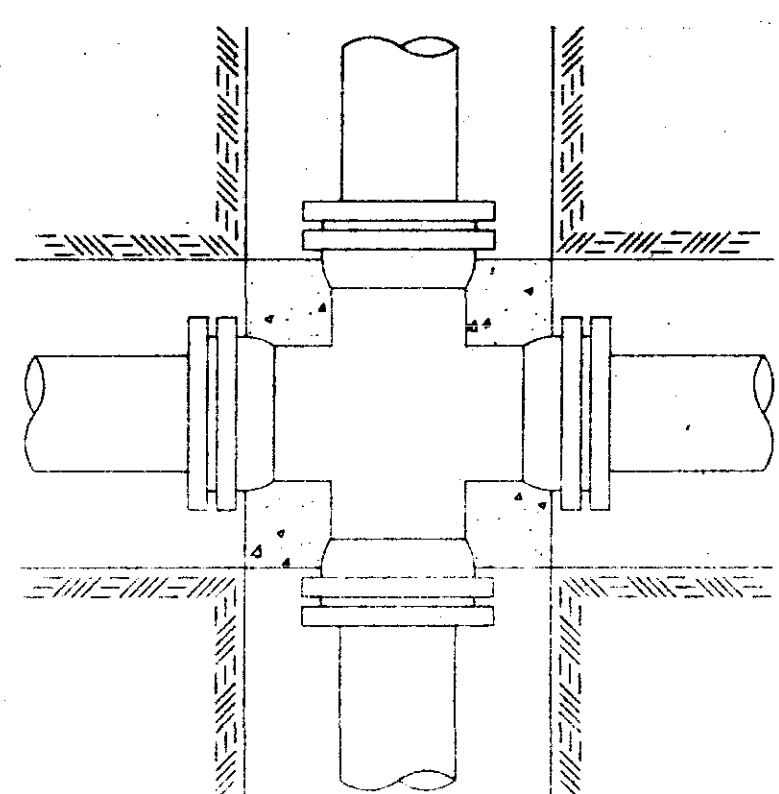
VERTICAL BENDS



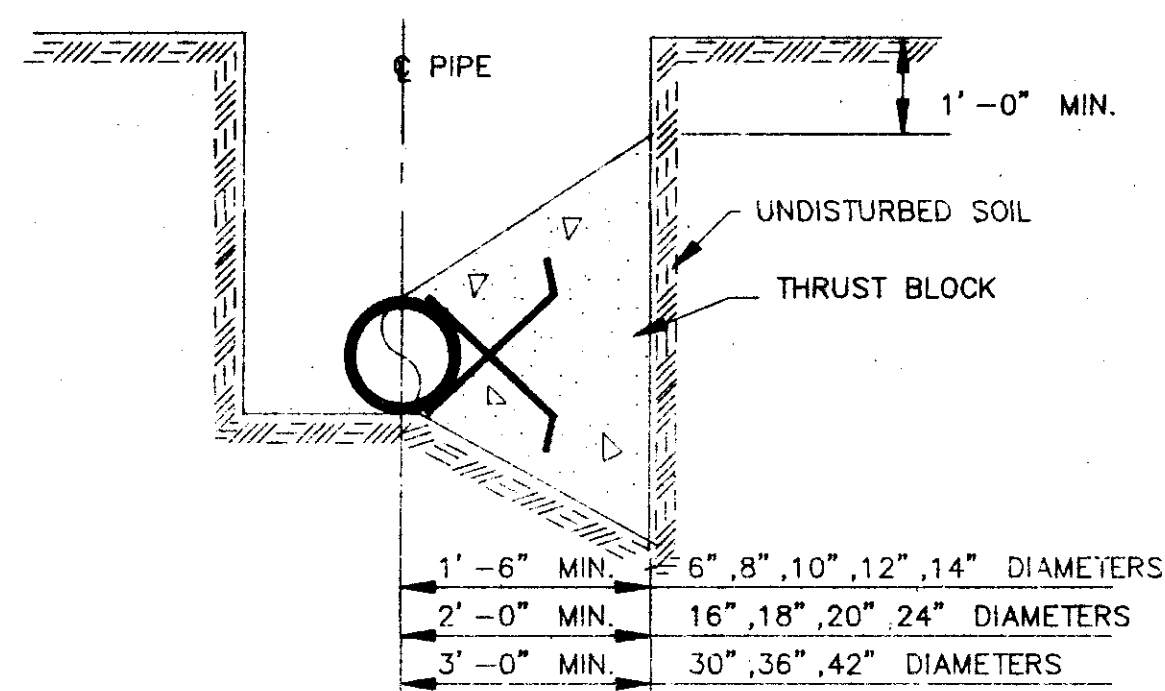
PLUGGED TEE



90° BEND



CROSS



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

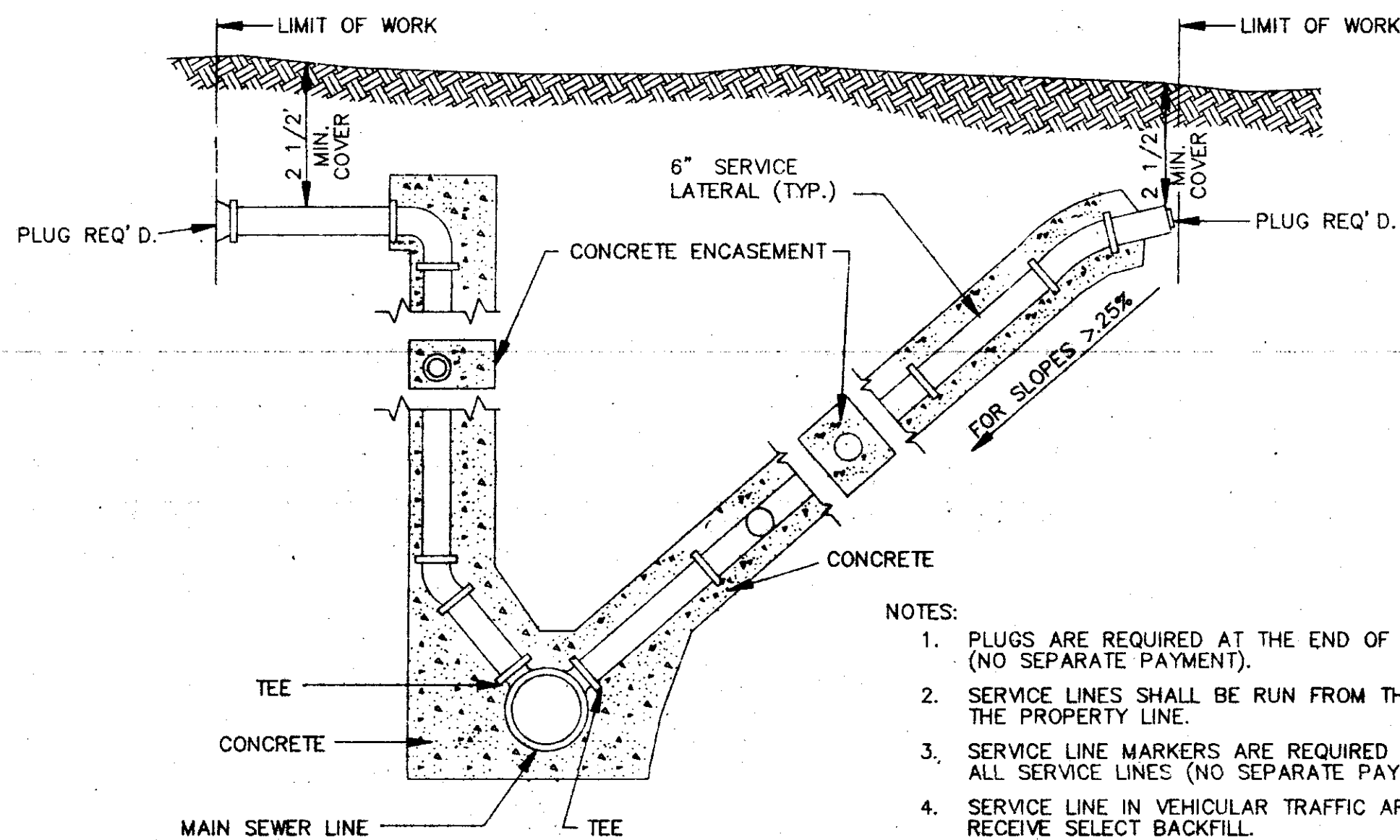
NOTE: ABOVE VALUES CALCULATED USING P=100 AND ALLOWANCE. SOIL BRG. = 1500 PSF. FOR DIFFERENT P, MULTIPLY ABOVE VALUES BY P/100. FOR DIFFERENT SOIL BRG, MULTIPLY ABOVE VALUES BY 1500/S.B.

**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(1.0)	14.0(5)	7.0(3)
8	—	—	45.0(1.7)	25.0(9)	13.0(5)
10	—	—	68.0(2.5)	37.0(1.4)	19.0(7)
12	—	—	97.0(3.6)	52.0(1.9)	27.0(1.0)
14	—	—	130(4.8)	70.0(2.6)	36.0(1.3)
16	—	—	168(6.2)	91.0(3.4)	46.0(1.7)
18	—	—	211(7.8)	114(4.2)	58.0(2.2)
20	—	—	259(9.6)	140(5.2)	72.0(2.6)
24	—	—	370(13.7)	200(7.4)	102(3.8)
30	—	—	568(21.1)	308(11.4)	156(5.8)
36	—	—	814(30.1)	440(16.3)	225(8.3)
42	—	—	1100(40.7)	595(22.0)	303(11.2)

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

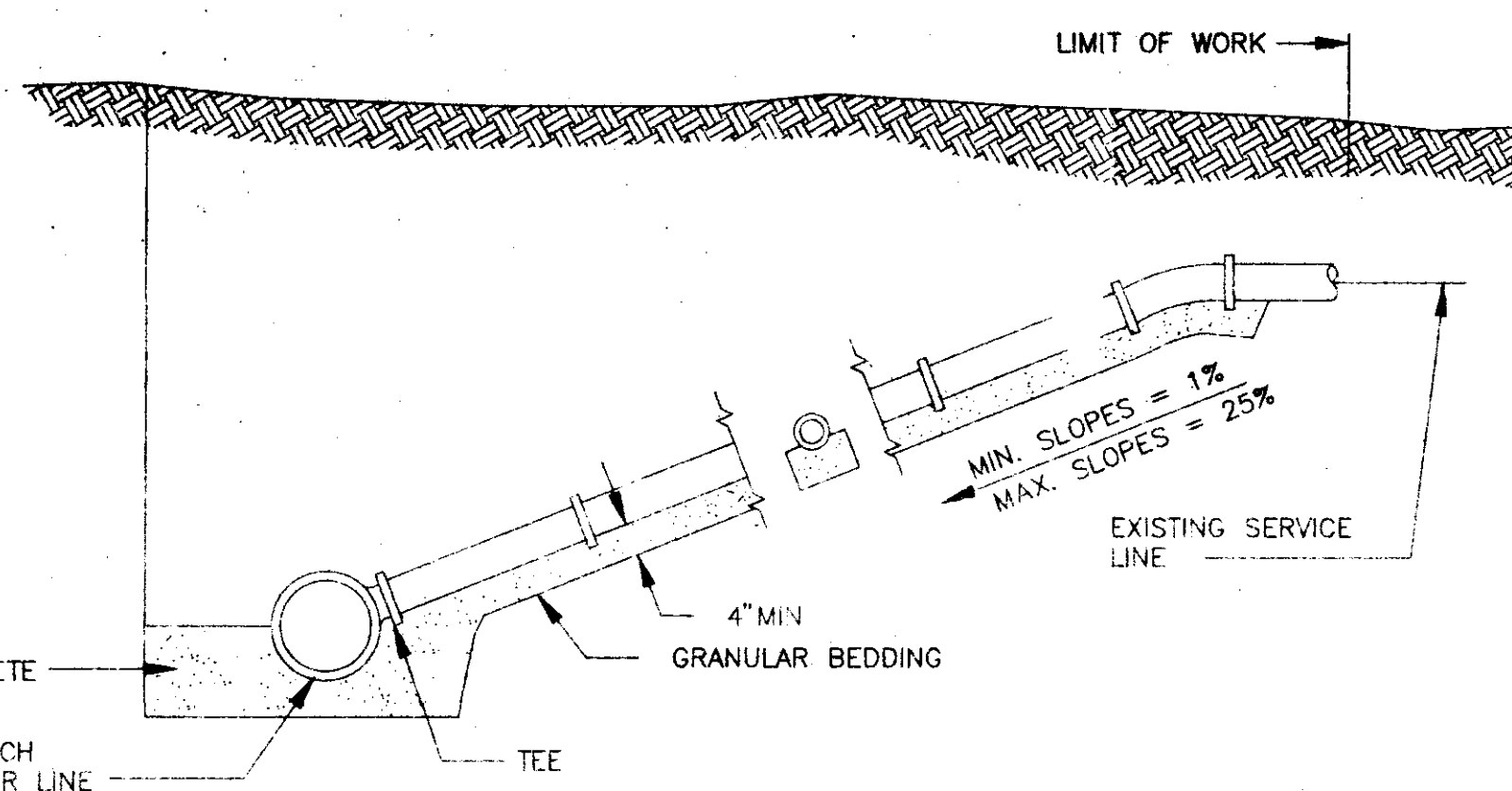
NOTE: ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



**SERVICE CONNECTION FOR DEEP SEWER**

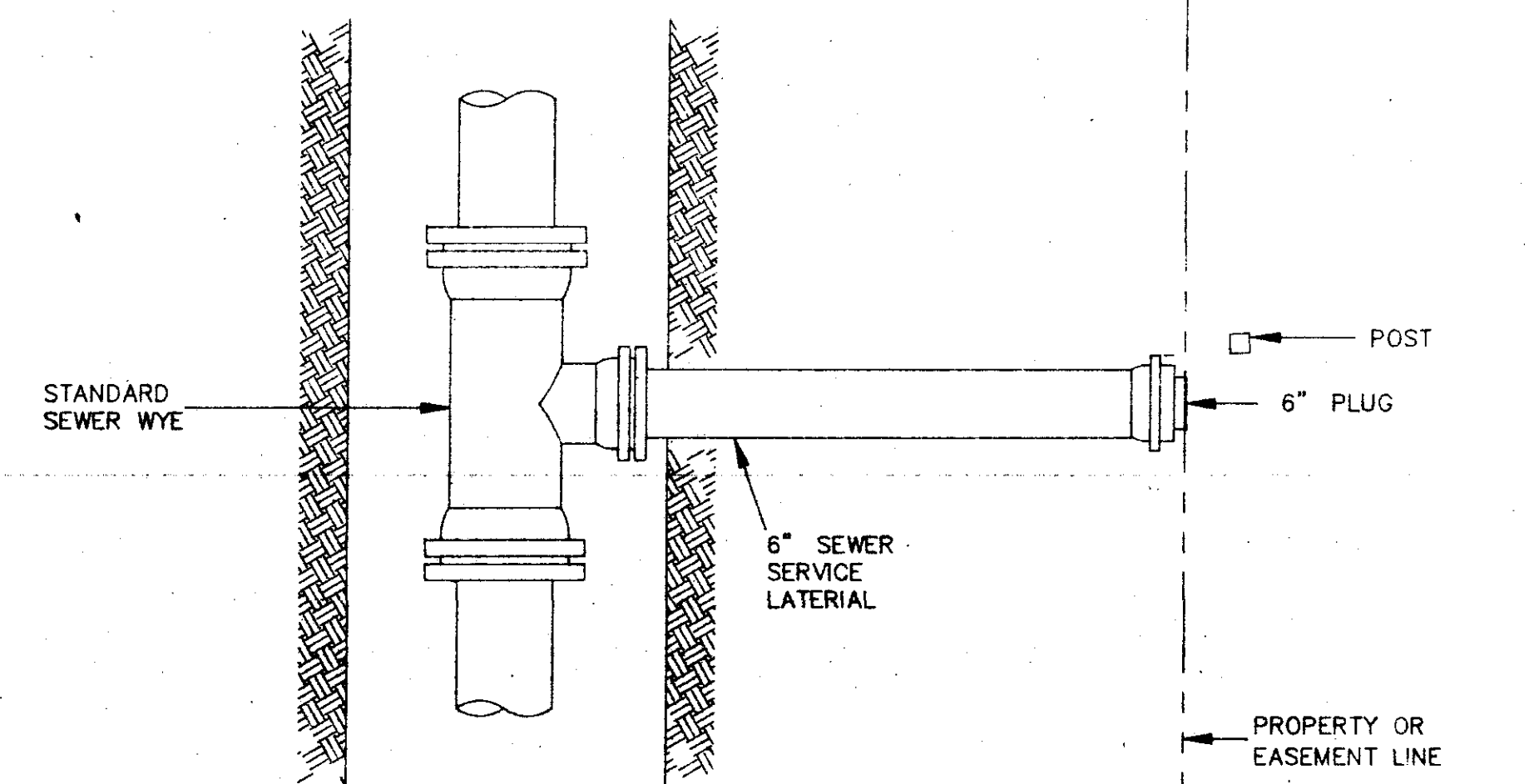
N.T.S.

- NOTES:
1. PLUGS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
  2. SERVICE LINES SHALL BE RUN 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 REQUIRED.

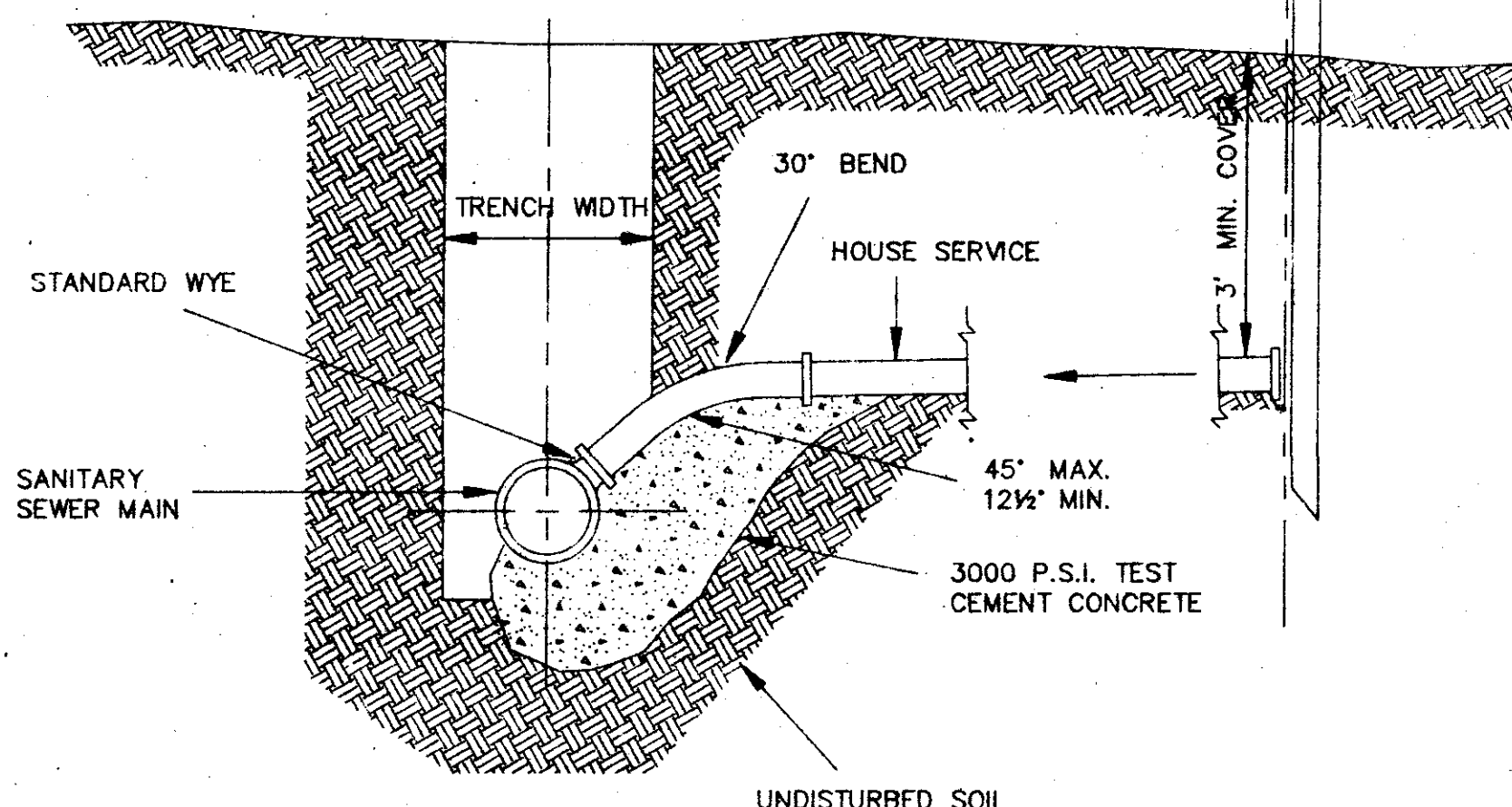


**TYPICAL SERVICE LINE CONNECTION**

N.T.S.



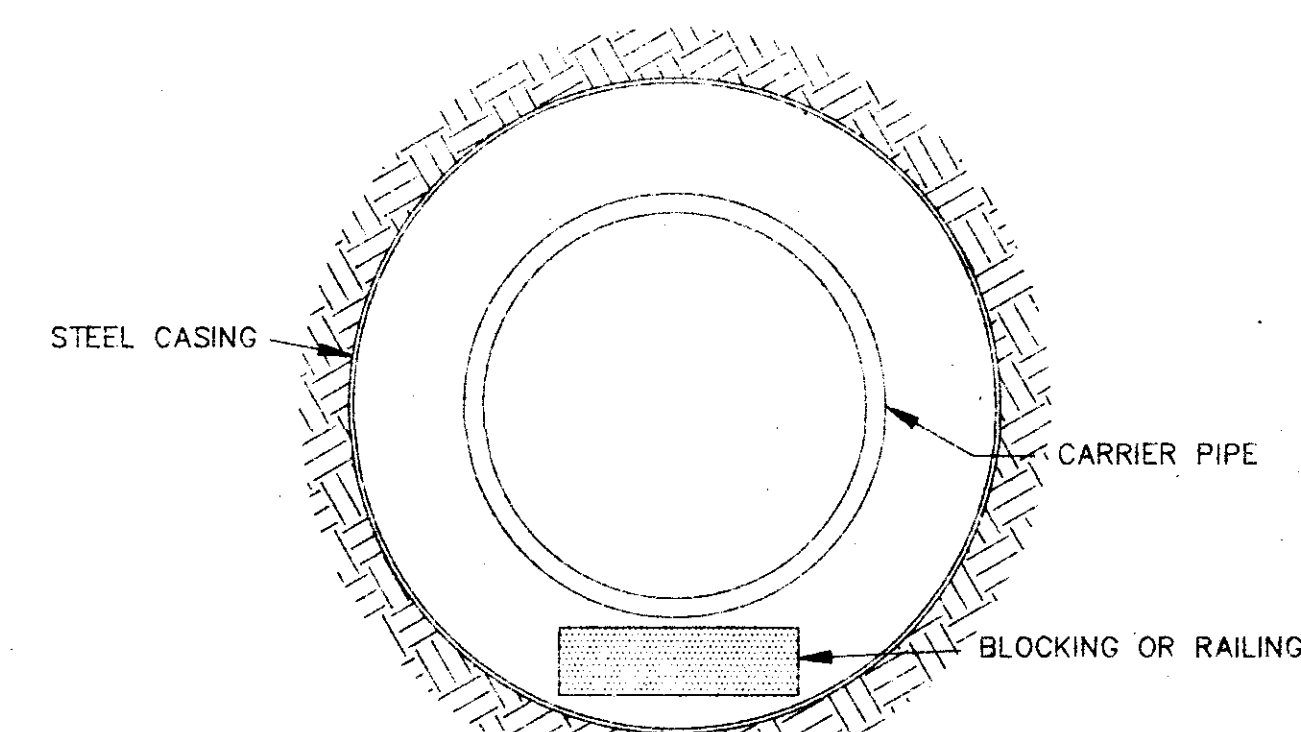
**PLAN**



**ELEVATION**

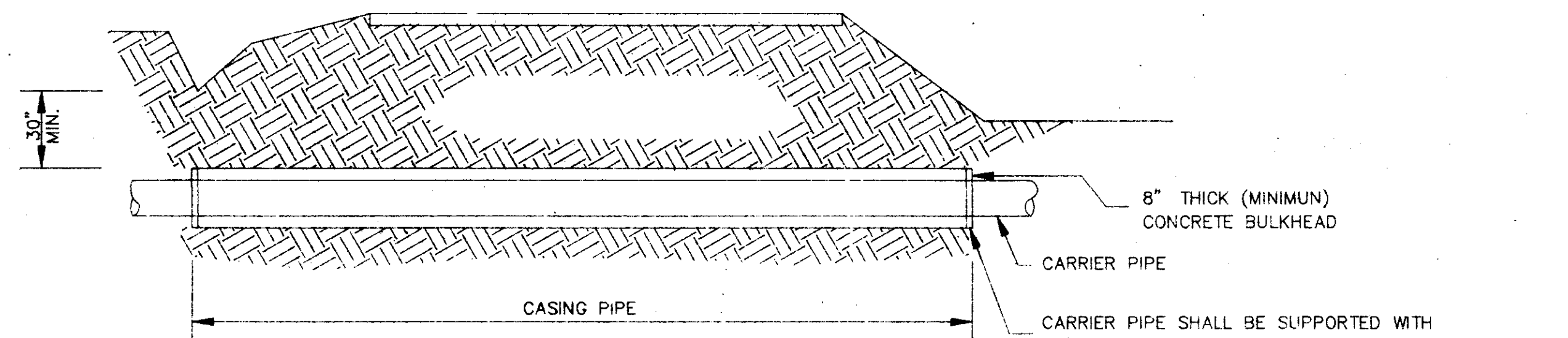
**SEWER SERVICE CONNECTION**

N.T.S.



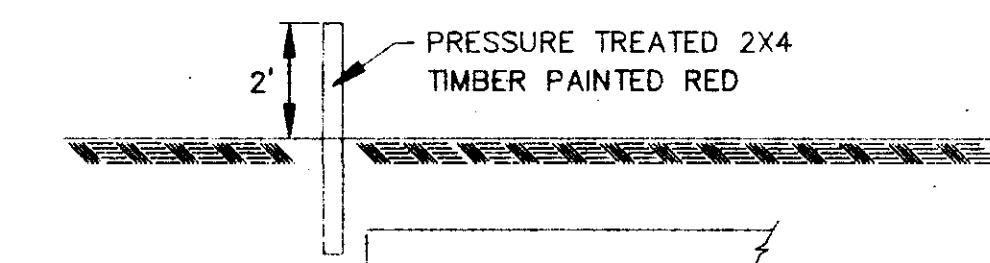
**BORE SECTION**

N.T.S.



**TYPICAL BORE SECTION**

N.T.S.



**SEWER SERVICE LINE MARKER**

(NO SEPARATE PAYMENT)

N.T.S.

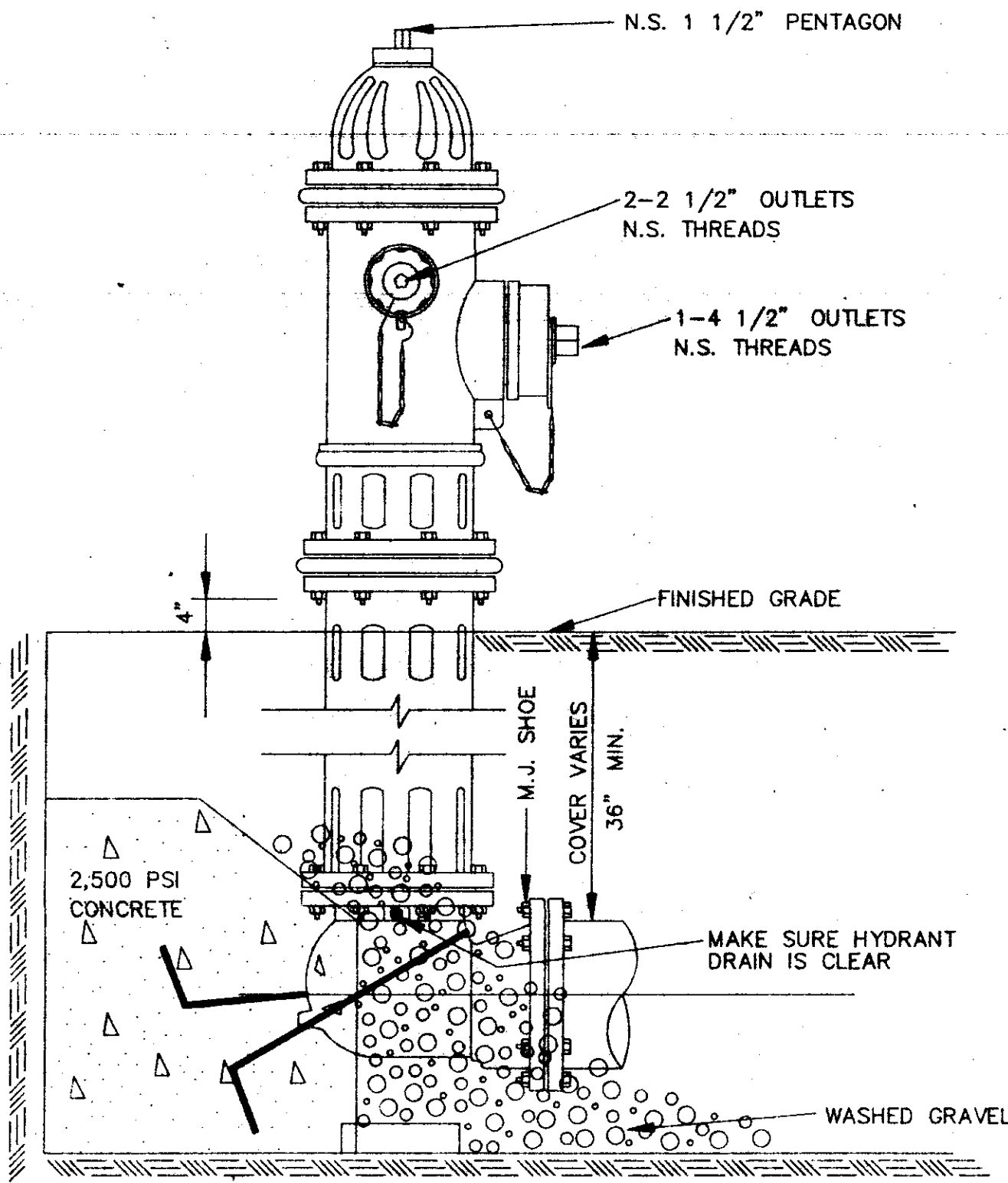
**CORPORATE CENTRE PART ONE**

**TYPICAL SEWER DETAILS**

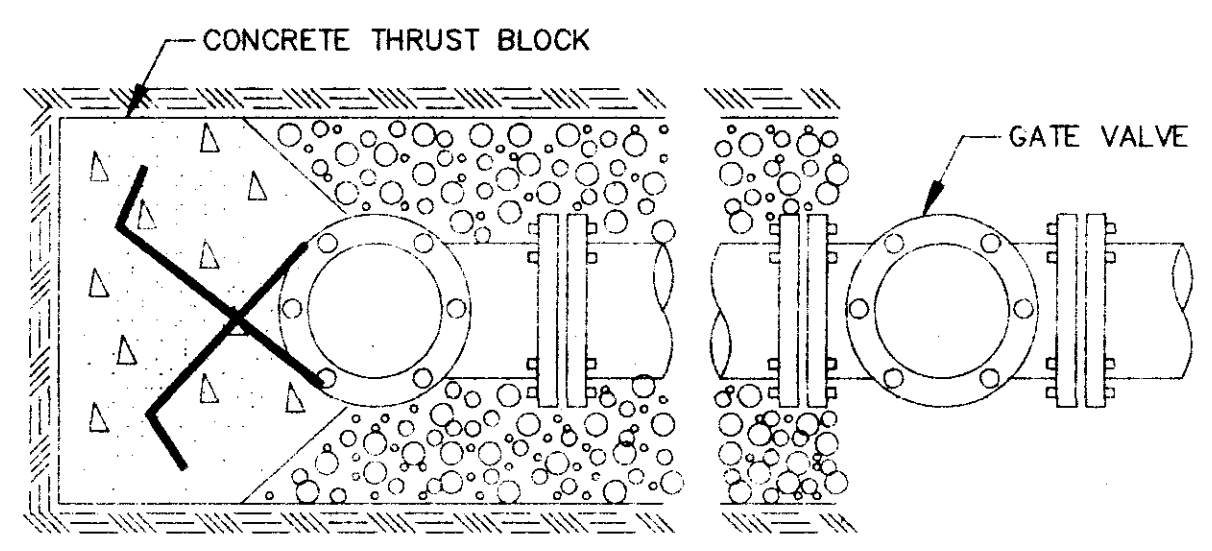
Prepared By: **Browning, Inc.**

DESIGNED BY: P.L.D.	SCALE: NONE	SHEET No. 8
DRAWN BY: JSR	DATE: 06/11/96	OF 11





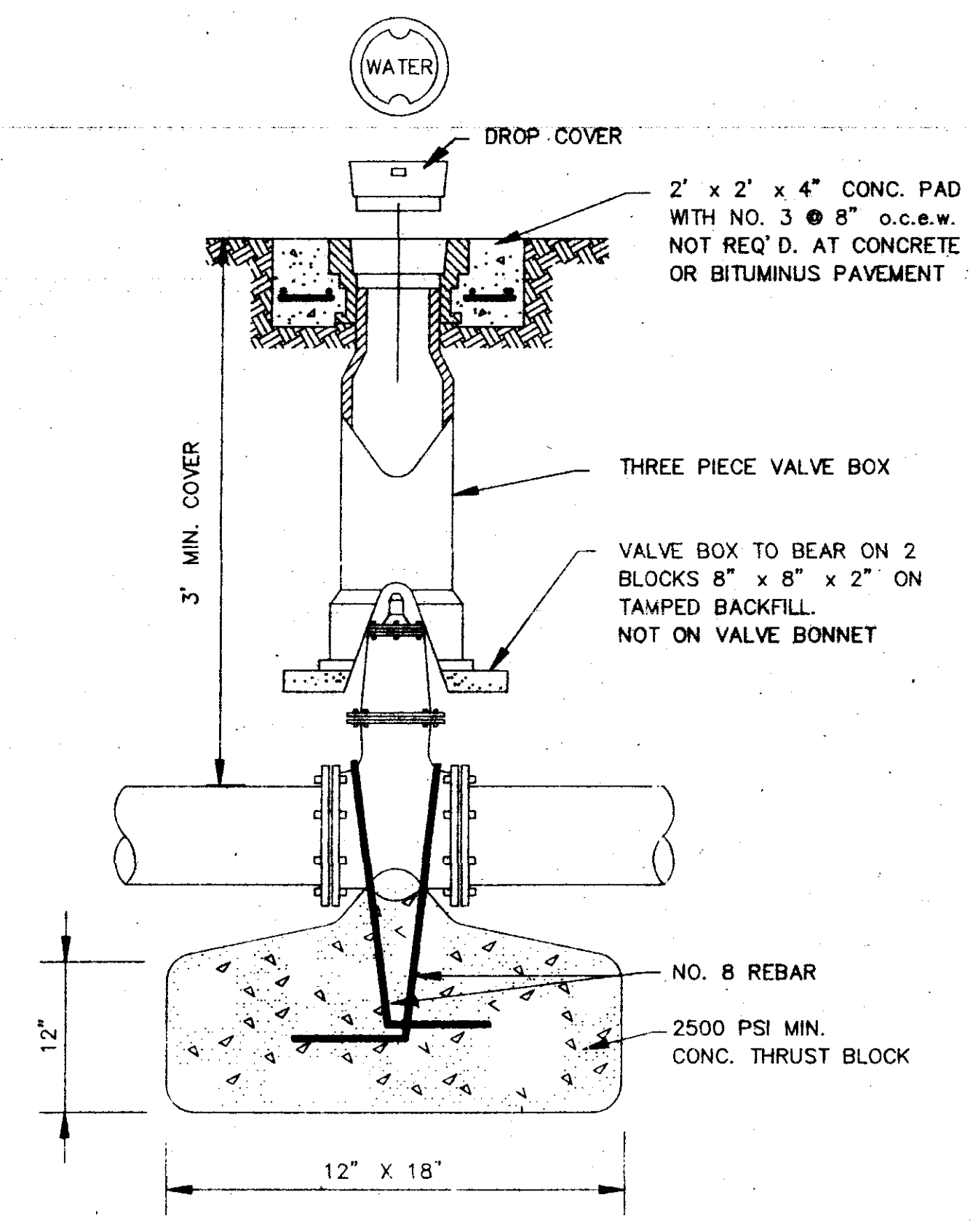
**ELEVATION**



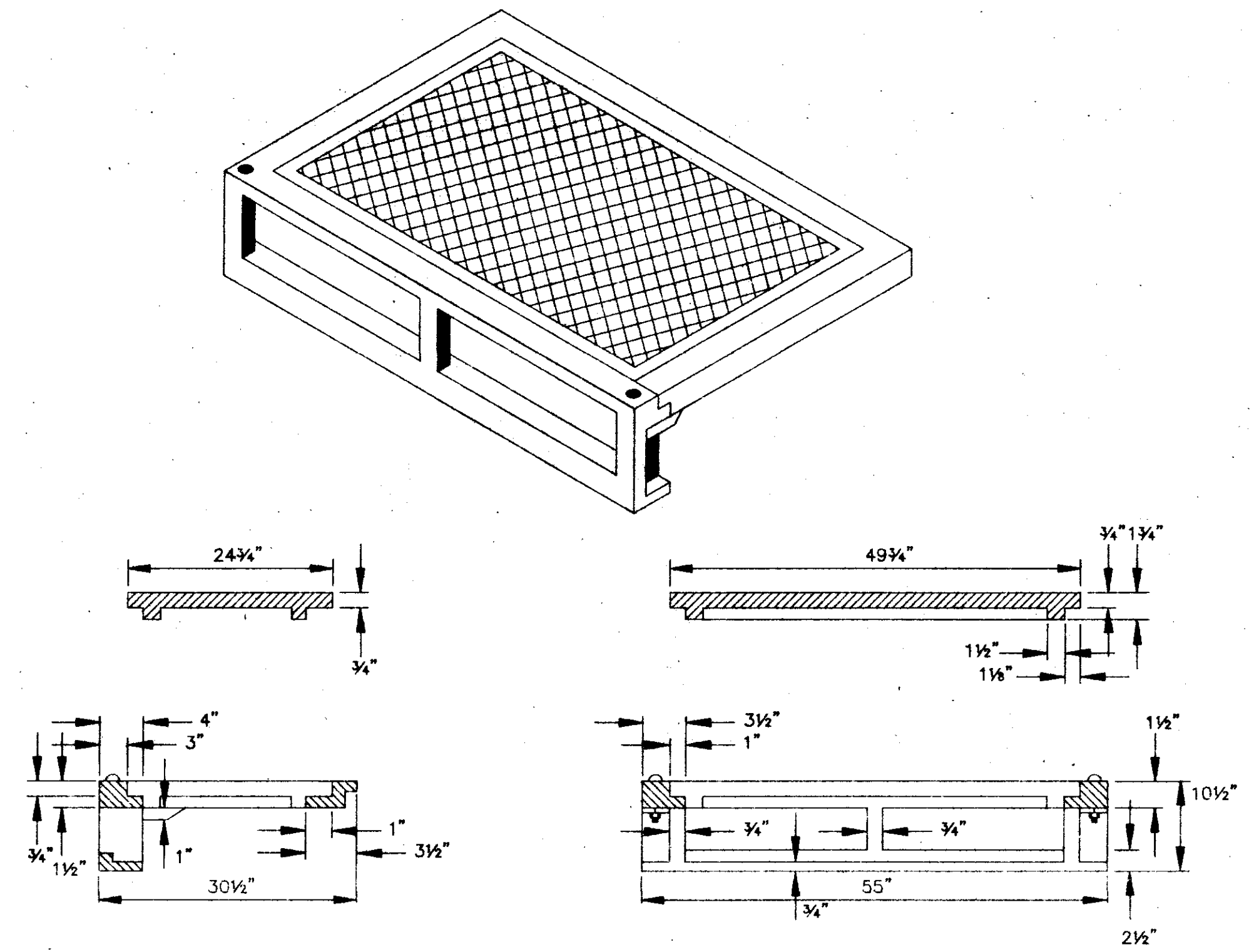
**PLAN**

**TYPICAL FIRE HYDRANT INSTALLATION**

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

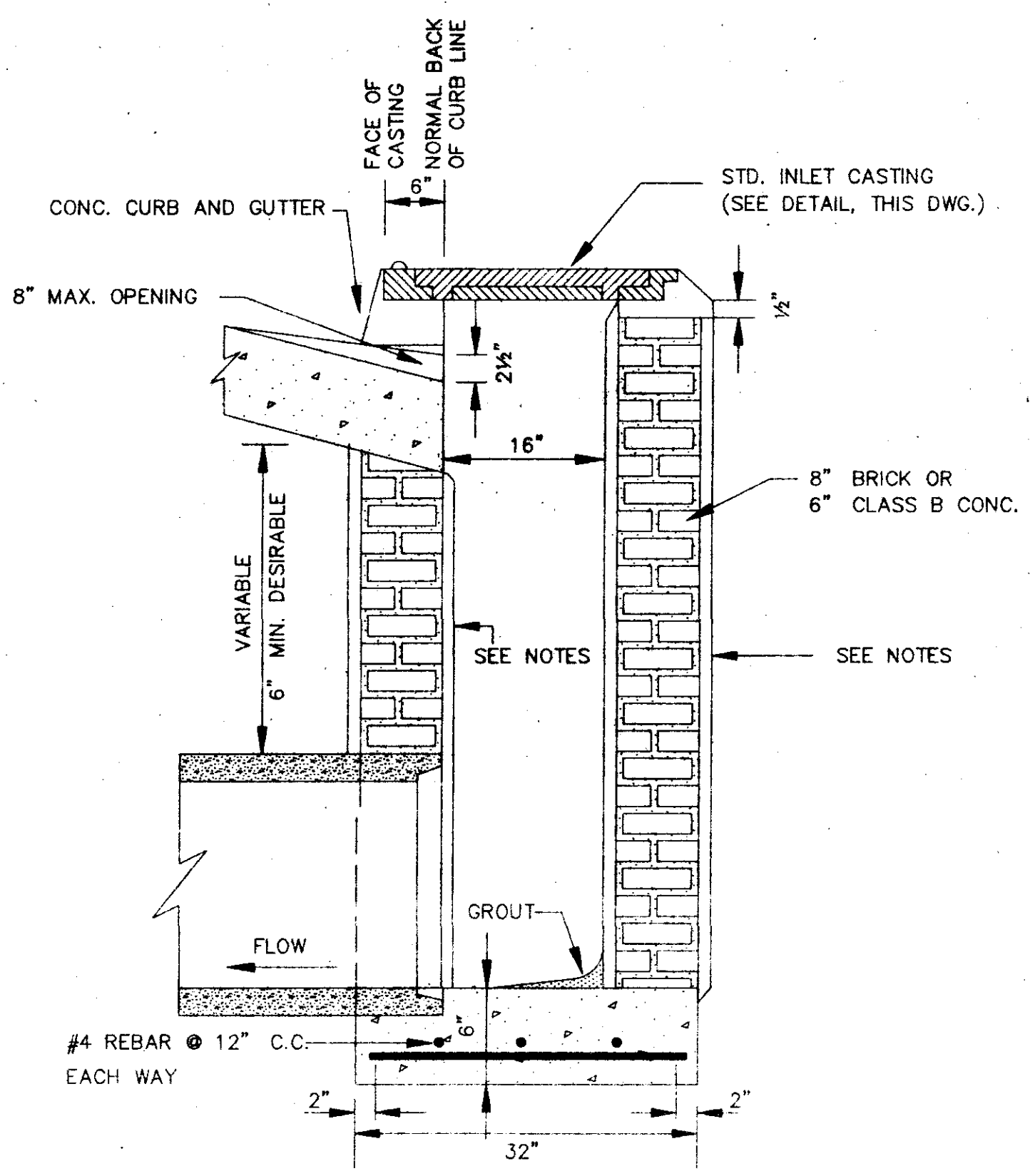


**GATE VALVE DETAIL**  
N.T.S.

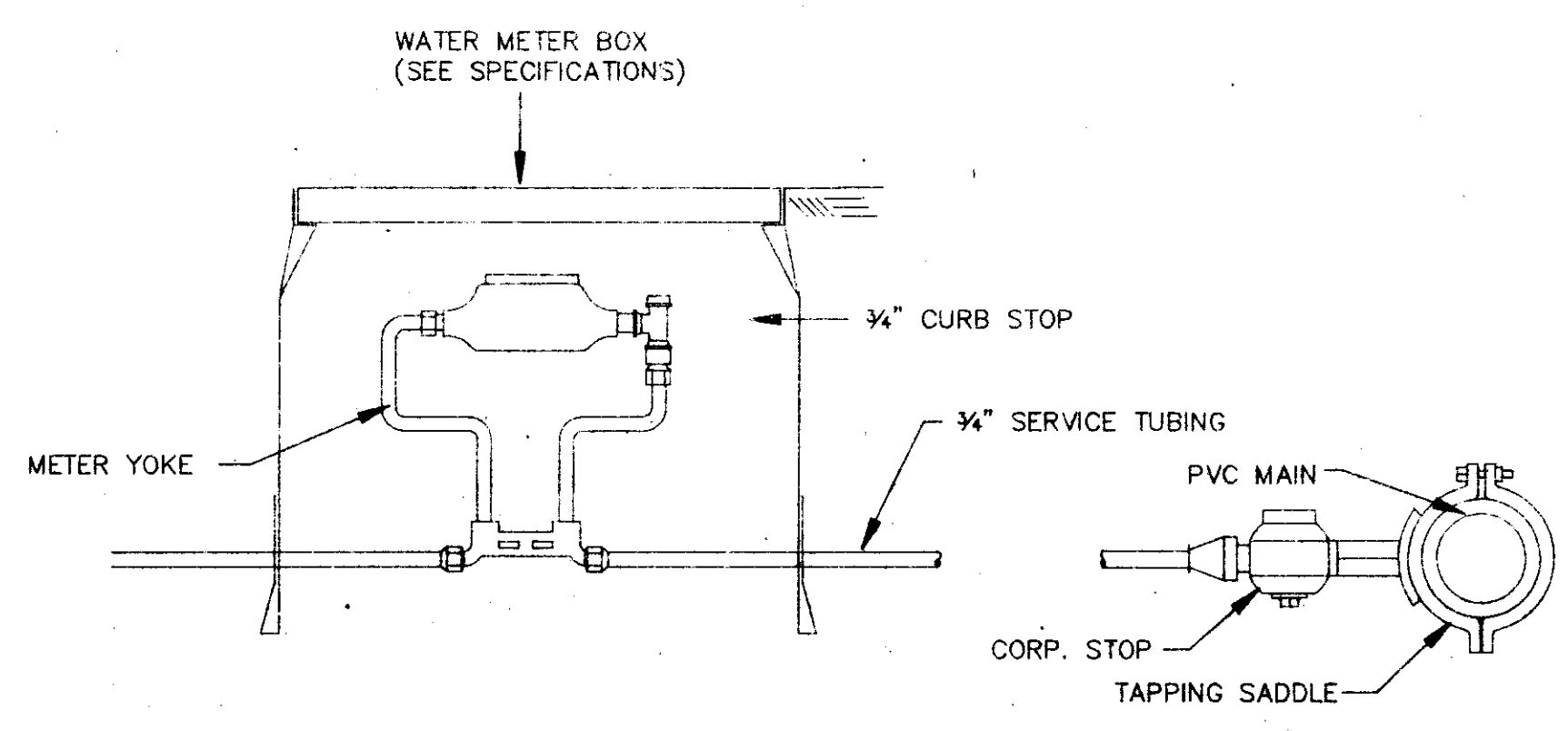


**STANDARD CURB INLET CASTING**  
(VULCAN V-4302-1 OR HARPER RCB-7)  
N.T.S.

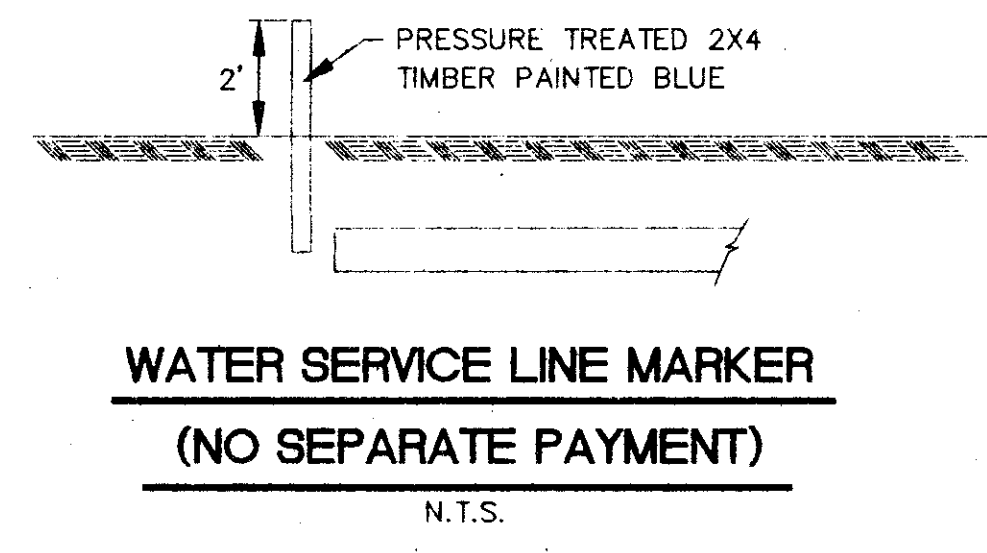
NOTE:  
ALL BRICK WALLS SHALL BE PLASTERED INSIDE AND OUTSIDE WITH CEMENT MORTAR 1/2" THICK. CLASS "B" STRUCTURAL CONCRETE MAY BE USED TO CONSTRUCT INLETS IN LIEU OF BRICK MASONRY. IF CONCRETE IS USED, WALLS SHALL BE REINFORCED WITH #4 REBAR @ 16" c.c. EACH WAY.



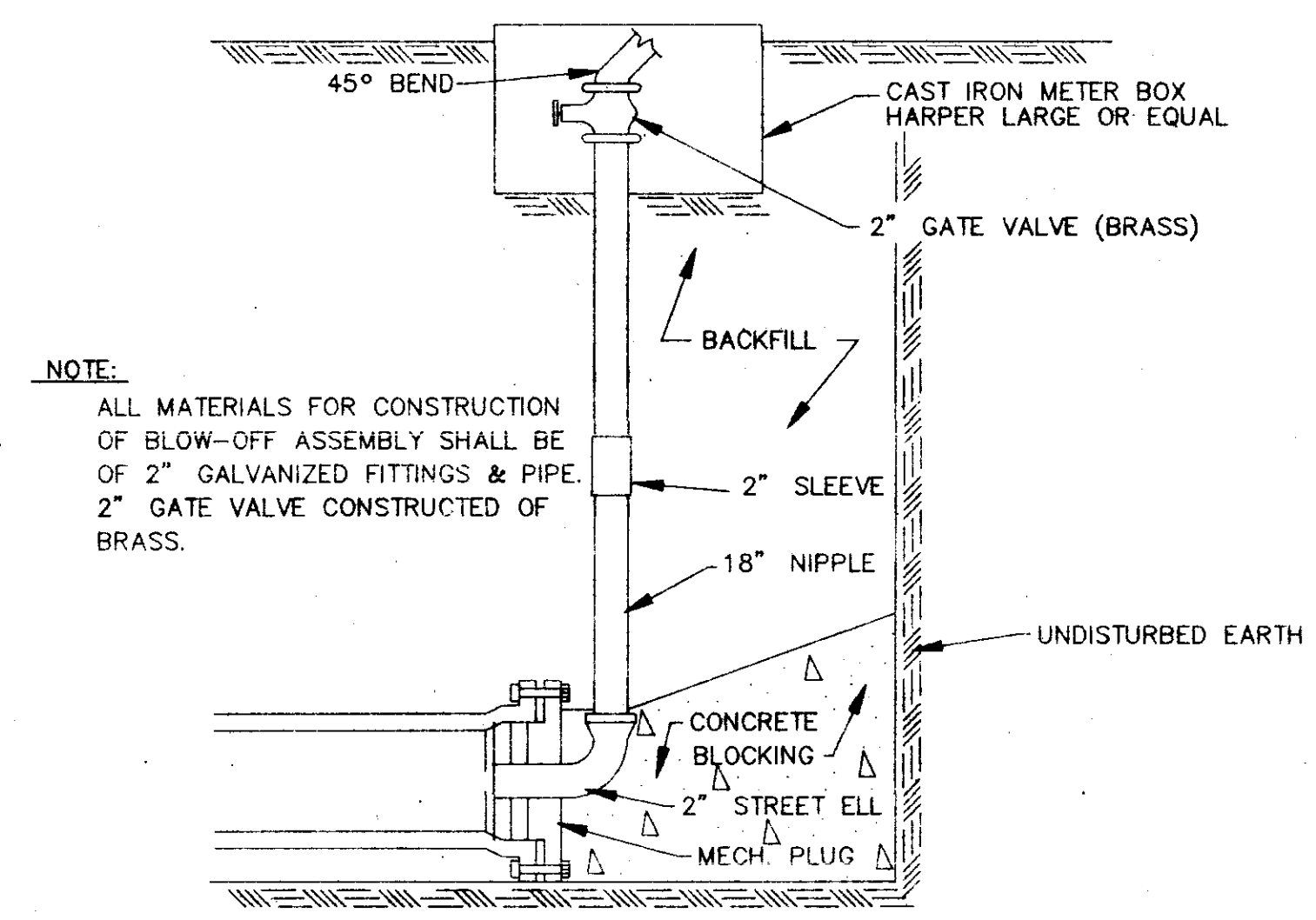
**SECTION OF STANDARD CURB INLET**  
**TYPE 'A' INLET**



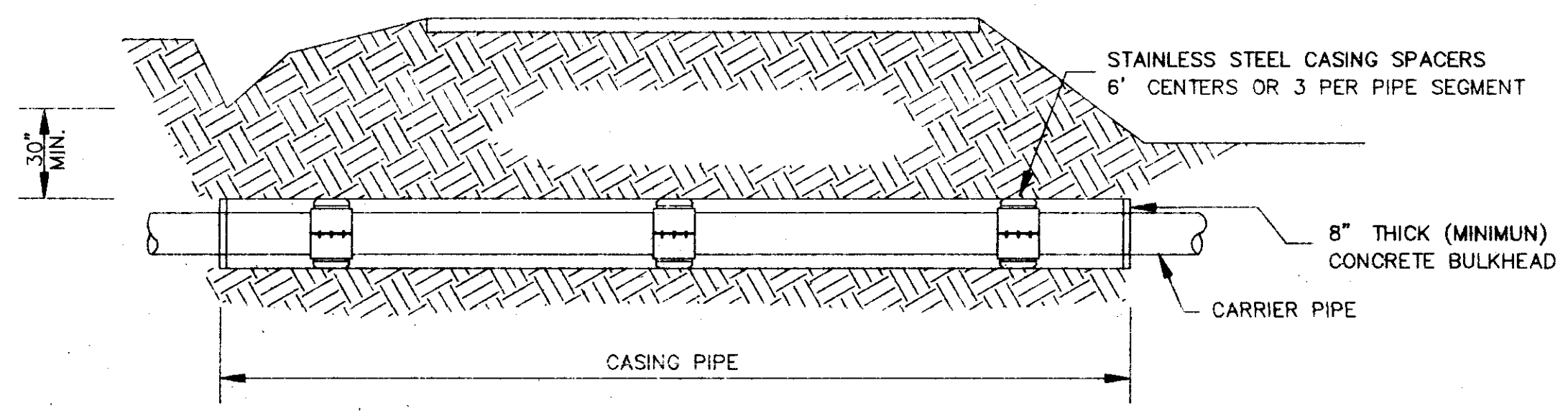
**TYPICAL 3/4" WATER SERVICE**  
N.T.S.



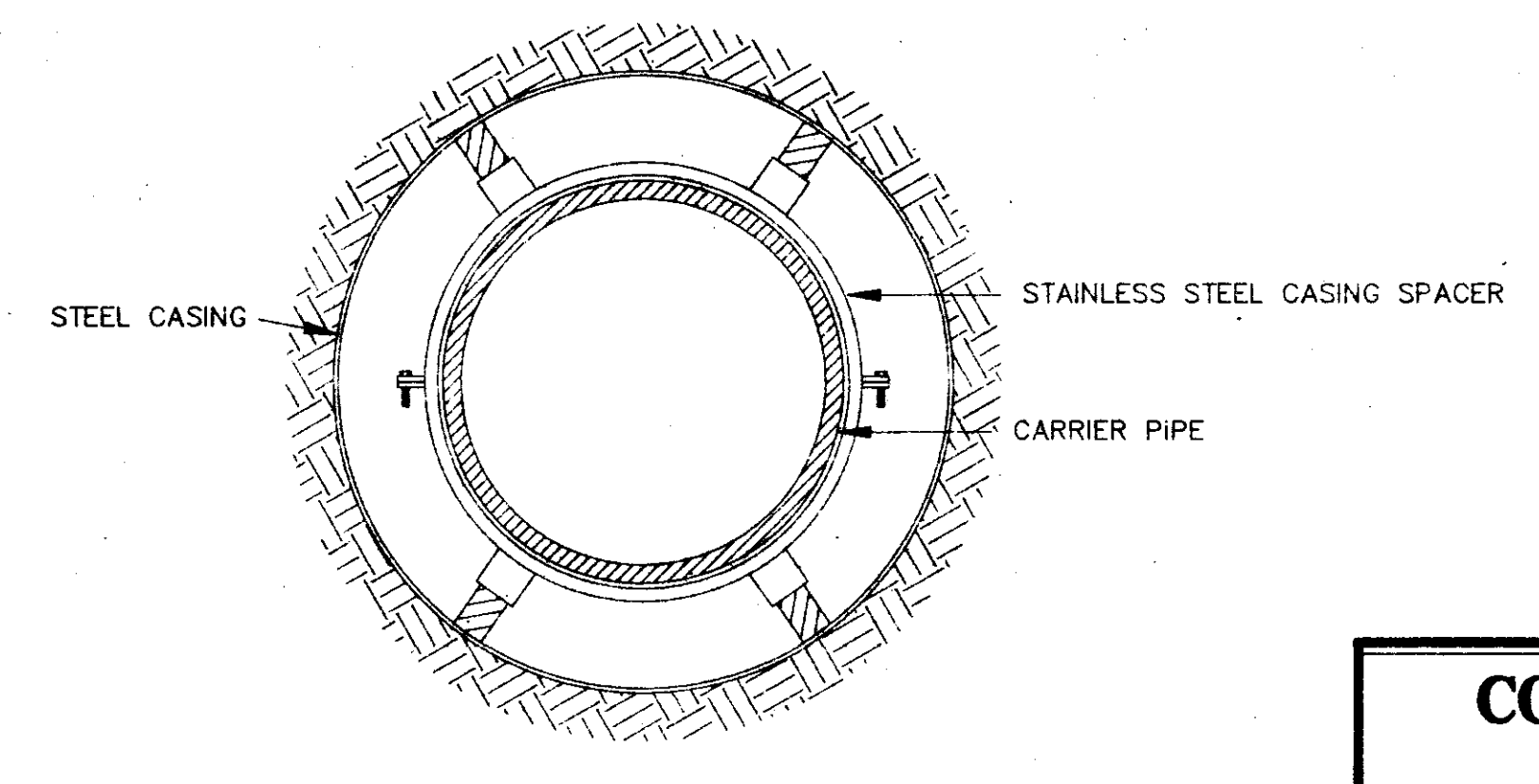
**WATER SERVICE LINE MARKER**  
(NO SEPARATE PAYMENT)  
N.T.S.



**TYPICAL BLOW-OFF ASSEMBLY**



**TYPICAL BORE SECTION**



**BORE SECTION**



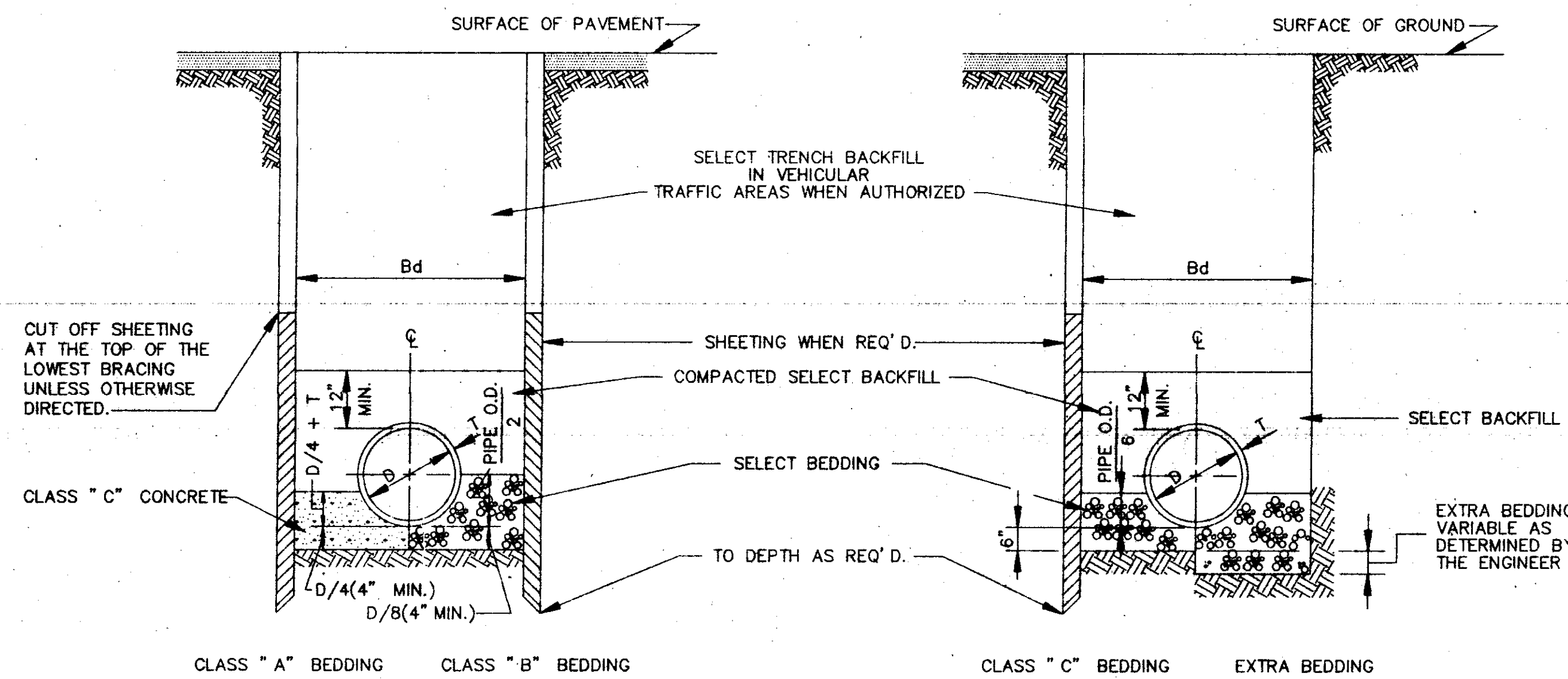
**SCHEDULE OF BEDDING**

PERMISSIBLE DEPTH (IN FEET)  
TO BOTTOM OF PIPE FOR SATURATED CLAY EARTH LOAD  
130 LBS./CU.FT. (SATURATED CLAY)

PIPE SIZE (IN.)	TRENCH WIDTH (FT.)	CONCRETE PIPE CLASS III	CONCRETE PIPE CLASS IV	CONCRETE PIPE CLASS V	EXTRA STRENGTH VIT. CLAY PIPE C-700	ABS TRUSS PIPE 0-2680	ABS 0-2751
<b>CLASS "C" BEDDING</b>							
4	2.50	-	-	-	22	-	-
6	2.50	-	-	-	24	-	-
8	2.50	-	-	-	16	-	-
10	3.00	-	-	-	14	-	-
12	3.50	-	-	-	14	-	-
15	3.75	6	12	20	14	-	-
18	4.00	10	12	24	14	-	-
21	4.25	10	14	28	14	-	-
24	4.50	10	16	32	16	-	-
27	4.75	10	16	32	16	-	-
30	5.00	12	18	32	16	-	-
33	5.50	12	18	32	-	-	-
36	5.75	12	18	34	-	-	-
42	6.25	14	22	36	-	-	-
48	7.00	14	22	36	-	-	-
54	7.50	16	22	38	-	-	-
60	8.00	16	24	38	-	-	-
66	8.75	16	24	38	-	-	-
72	9.25	18	24	38	-	-	-
78	9.75	18	24	40	-	-	-
84	10.50	20	26	40	-	-	-

PIPE SIZE (IN.)	TRENCH WIDTH (FT.)	CONCRETE PIPE CLASS III	CONCRETE PIPE CLASS IV	CONCRETE PIPE CLASS V	EXTRA STRENGTH VIT. CLAY PIPE C-700	ABS TRUSS PIPE 0-2680	ABS 0-2751
<b>CLASS "B" BEDDING</b>							
4	2.50	-	-	-	-	-	30
6	2.50	-	-	-	-	-	30
8	2.50	-	-	-	-	-	30
10	3.00	-	-	-	-	-	30
12	3.50	-	-	-	-	-	30
15	3.75	10	14	34	18	-	30
18	4.00	12	18	44	18	-	30
21	4.25	12	20	50	22	-	30
24	4.50	12	22	24	24	-	30
27	4.75	14	24	24	24	-	30
30	5.00	14	24	24	-	-	30
33	5.50	16	24	-	-	-	30
36	5.75	16	24	-	-	-	30
42	6.25	18	26	-	-	-	30
48	7.00	18	28	-	-	-	30
54	7.50	18	30	-	-	-	30
60	8.00	20	30	-	-	-	30
66	8.75	20	30	-	-	-	30
72	9.25	22	32	-	-	-	30
78	9.75	22	32	-	-	-	30
84	10.50	22	34	50	-	-	30

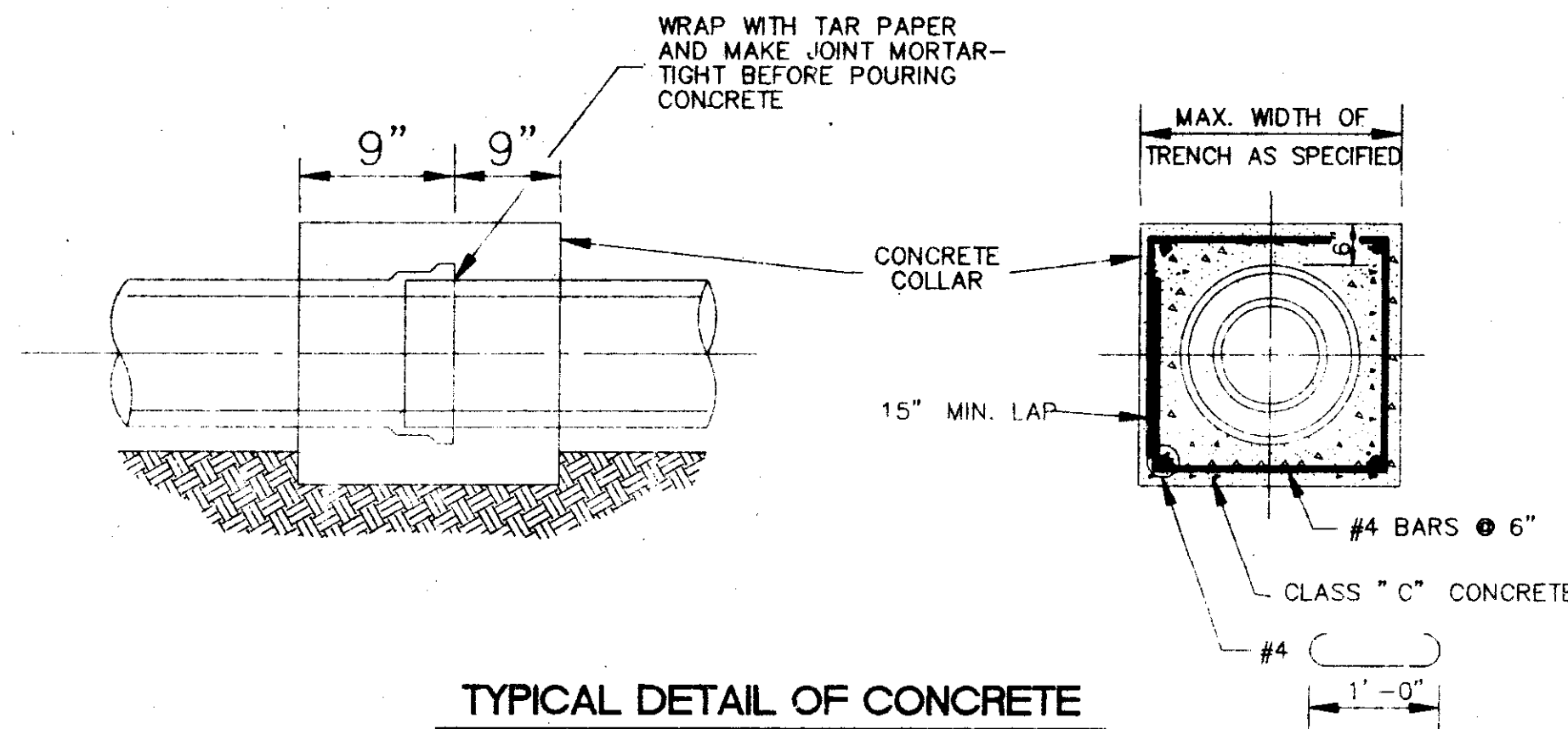
PIPE SIZE (IN.)	TRENCH WIDTH (FT.)	CONCRETE PIPE CLASS III	CONCRETE PIPE CLASS IV	CONCRETE PIPE CLASS V	EXTRA STRENGTH VIT. CLAY PIPE C-700	ABS TRUSS PIPE 0-2680	ABS 0-2751
<b>CLASS "A" BEDDING</b>							
4	2.50	-	-	-	-	-	30
6	2.50	-	-	-	-	-	30
8	2.50	-	-	-	-	-	30
10	3.00	-	-	-	-	-	30
12	3.50	-	-	-	-	-	30
15	3.75	14	32	50	-	-	30
18	4.00	18	42	-	-	-	30
21	4.25	18	50	-	-	-	30
24	4.50	22	-	-	-	-	30
27	4.75	24	-	-	-	-	30
30	5.00	24	-	-	30	-	30
33	5.50	26	-	-	-	-	30
36	5.75	26	-	-	-	-	30
42	6.25	26	-	-	-	-	30
48	7.00	26	-	-	-	-	30
54	7.50	30	-	-	-	-	30
60	8.00	30	-	-	-	-	30
66	8.75	30	-	-	-	-	30
72	9.25	32	-	-	-	-	30
78	9.75	32	-	-	-	-	30
84	10.50	34	50	50	-	-	30



BEDDING FOR VITRIFIED CLAY, CONCRETE & ABS PIPE

**TYPICAL TRENCH DETAILS**

N.T.S.



**TYPICAL DETAIL OF CONCRETE COLLAR**

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	-	-
54	12	12	12	12	12	12	10	8	-	-
60	12	12	12	12	12	12	8	7	-	-
66	12	12	12	12	12	10	8	5	-	-
72	12	12	12	12	10	8	7	5	-	-
78	12	12	12	10	8	7	5	5	-	-
84	12	12	12	10	8	5	5	5	-	-
96	12	10	10	10	8	5	5	5	-	-
108	10	10	10	8	7	5	5	5	-	-
120	10	10	10	8	7	5	5	3	-	-
144	8	8	8	5	5	3	1	1	-	-

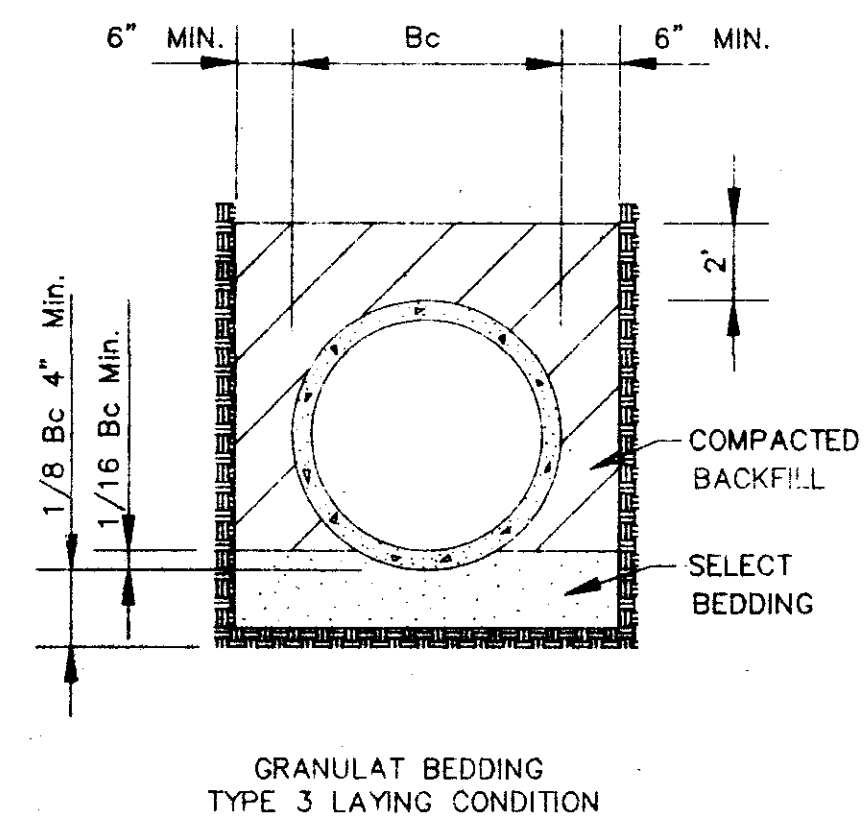
MIN. THICKNESS FOR LINER PLATE CASING IN RAILROAD CROSSING-10 GAGE

**CASING PIPE**

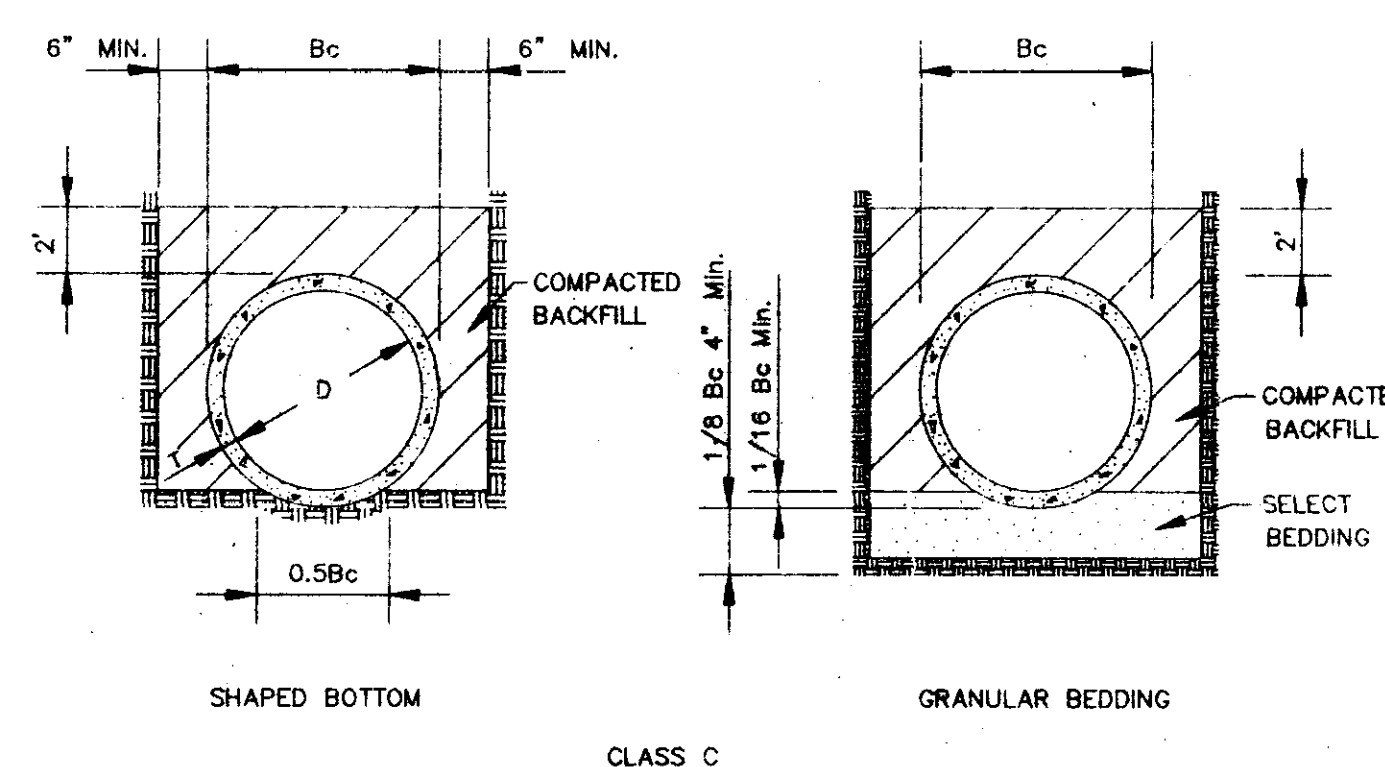
SIZE AND THICKNESS OF PIPE FOR RAILROAD & HIGHWAY CROSSING

**SCHEDULE OF BEDDING AND BACKFILL QUANTITIES**

PIPE SIZE (IN.)	TRENCH WIDTH (FT.)	TRENCH VOLUME PER FOOT OF DEPTH (CV/LF)	BEDDING QUANTITIES (CY/LF)			BACKFILL QUANTITIES (TO ONE FOOT ABOVE TOP OF PIPE) (CY/LF)		
			CLASS C	CLASS B	CLASS A	CLASS C	CLASS B	CLASS A
4	2.50	0.074	0.054	0.053	0.048	0.13	0.12	0.12
6	2.50	0.074	0.056	0.057	0.051	0.13	0.12	0.13
8	2.50	0.093	0.058	0.062	0.054	0.14	0.12	0.14
10	3.00	0.111	0.072	0.081	0.069	0.18	0.16	0.18
12	3.50	0.130	0.085	0.10	0.087	0.22	0.19	0.22
15	3.75	0.139	0.098	0.12	0.10	0.25	0.21	0.25
18	4.00	0.148	0.11	0.14	0.12	0.28	0.24	0.27
21	4.25	0.157	0.11	0.17	0.16	0.31	0.26	0.30
24	4.50	0.167	0.13	0.17	0.17	0.34	0.28	0.33
27	4.75	0.176	0.14	0.19	0.20	0.37	0.31	0.36
30	5.00	0.185	0.16	0.21	0.23	0.40	0.33	0.39
33	5.50	0.204	0.18	0.25	0.28	0.46	0.38	0.45
36	5.75	0.213	0.19	0.28	0.31	0.49	0.41	0.48
42	6.25	0.231	0.22	0.33	0.39	0.55	0.46	0.54
48	7.00	0.259	0.26	0.42	0.49	0.66	0.55	0.64
54	7.50	0.278	0.29	0.51	0.58	0.72	0.60	0.71
60	8.00	0.296	0.33	0.55	0.68	0.86	0.77	0.89
66	8.75	0.324	0.37	0.66	0.82	0.90	0.76	0.89
72	9.25	0.343	0.41	0.74	0.90	0.96	0.82	0.96
78	9.75	0.361	0.45	0.82	1.05	1.03	0.89	1.03
84	10.50	0.389	0.50	0.95	1.22	1.16	1.00	1.16

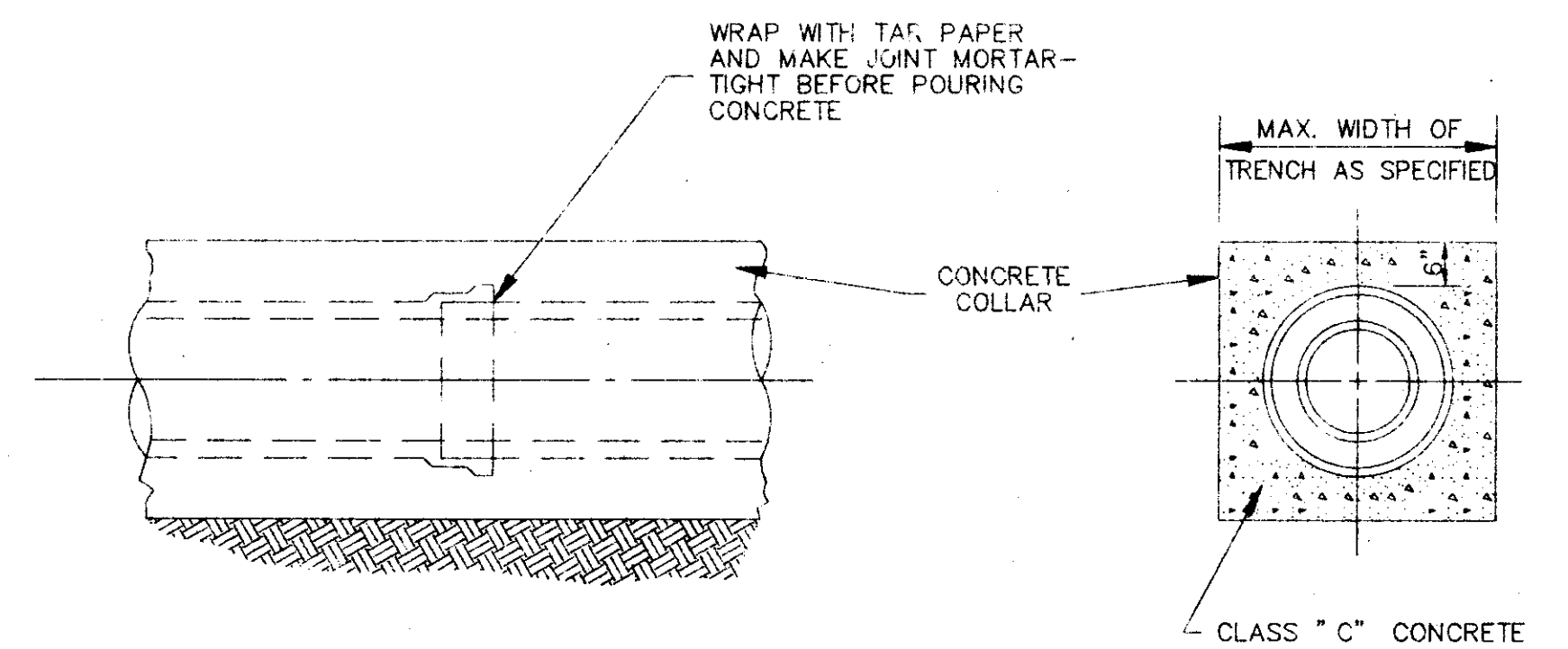


**TYPICAL TRENCH DETAILS (FORCE MAIN)**



**TYPICAL TRENCH DETAILS**

N.T.S.



**TYPICAL DETAIL OF CONCRETE ENCASUREMENT**

N.T.S.

**CORPORATE CENTRE PART ONE**

**TYPICAL TRENCH & PIPE DETAILS**

Prepared By: **Browning, Inc.**

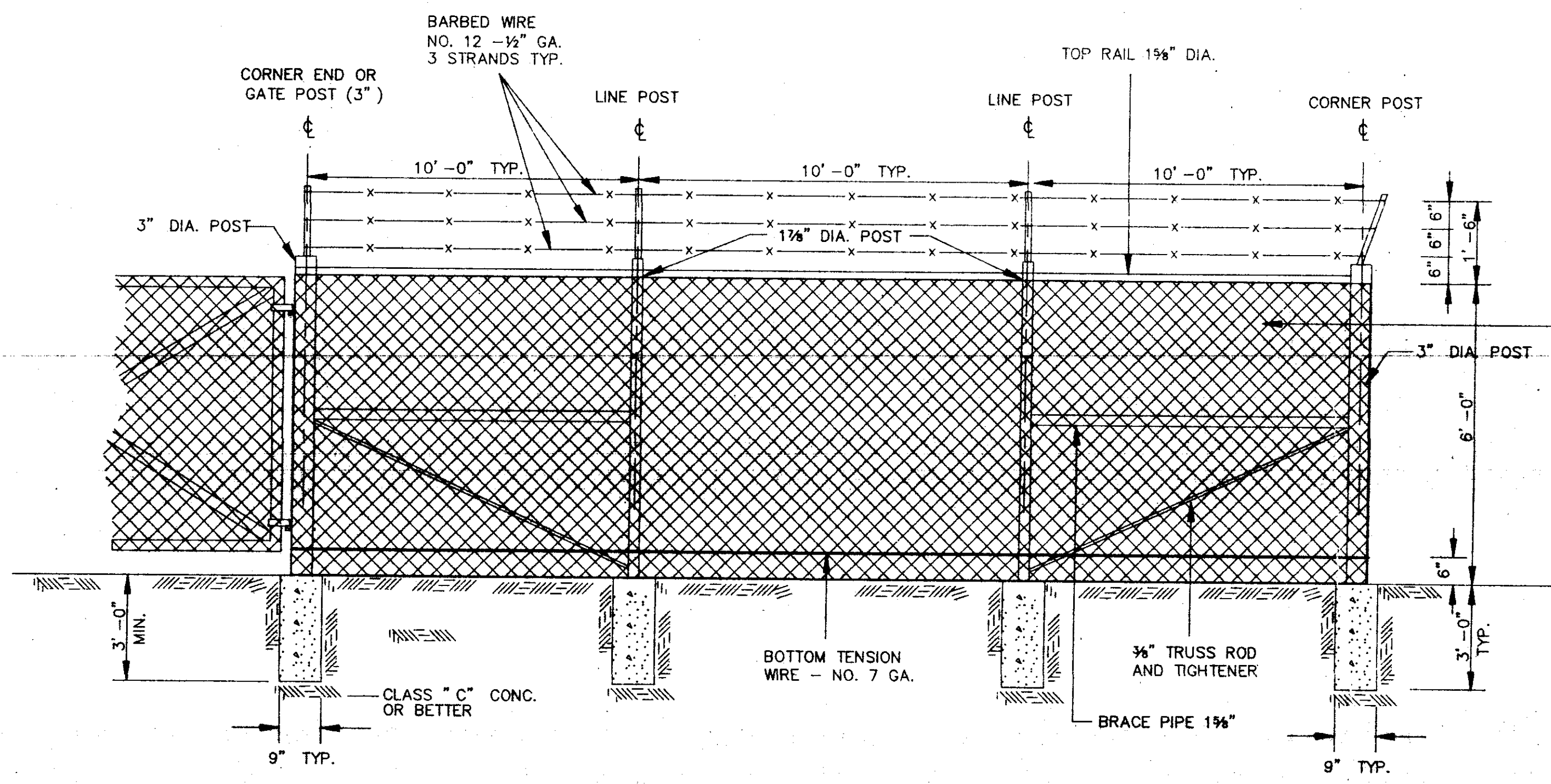
CONSULTING ENGINEERS - SURVEYORS

1058 Ridgewood Place Jackson, Mississippi 39211 PH. (601)-957-3500

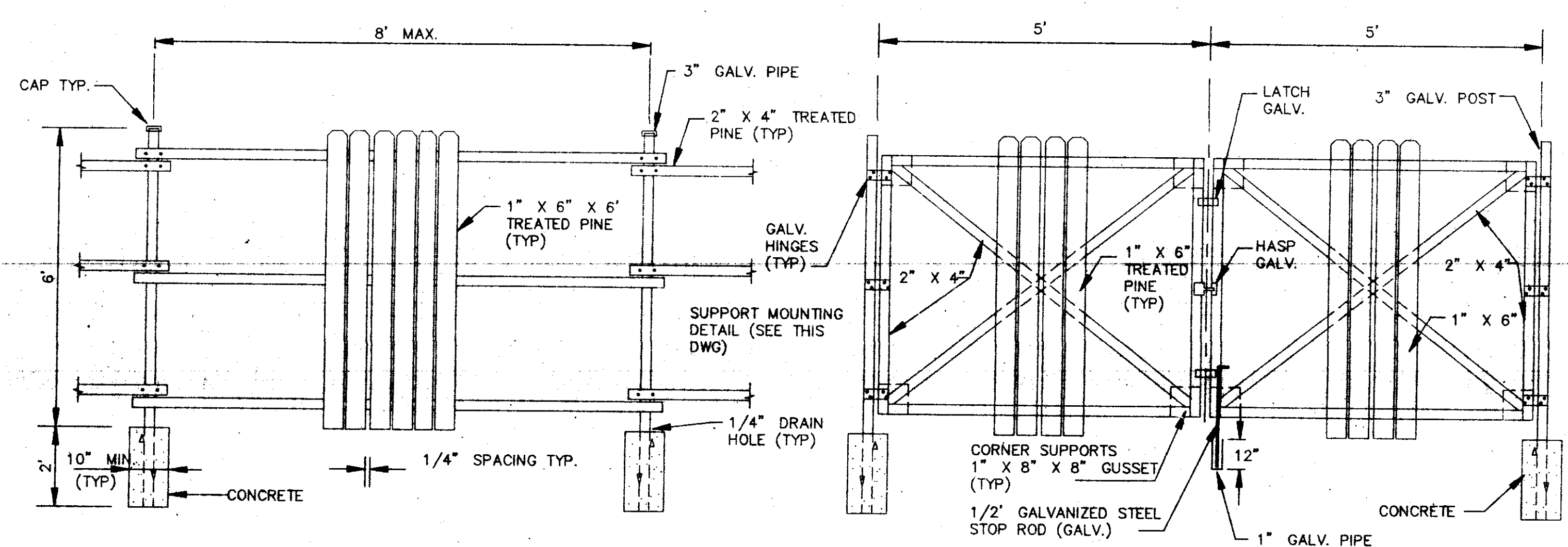
DESIGNED BY: P.L.D. SCALE: NONE SHEET No. 10 OF 11

DRAWN BY: JSR DATE: 06/11/36



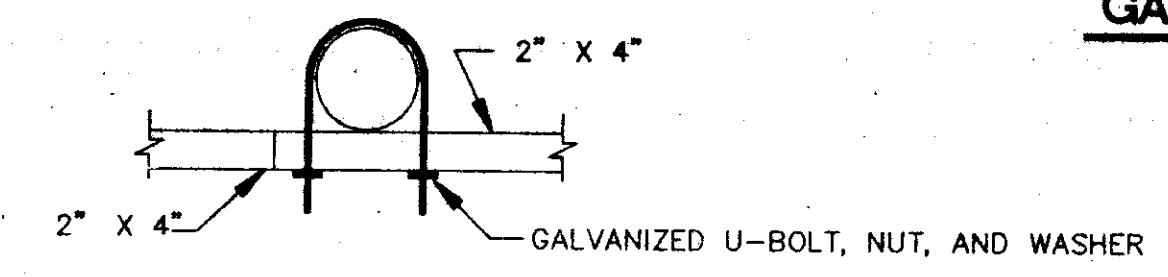


**CHAIN LINK FENCE DETAIL**  
N.T.S.

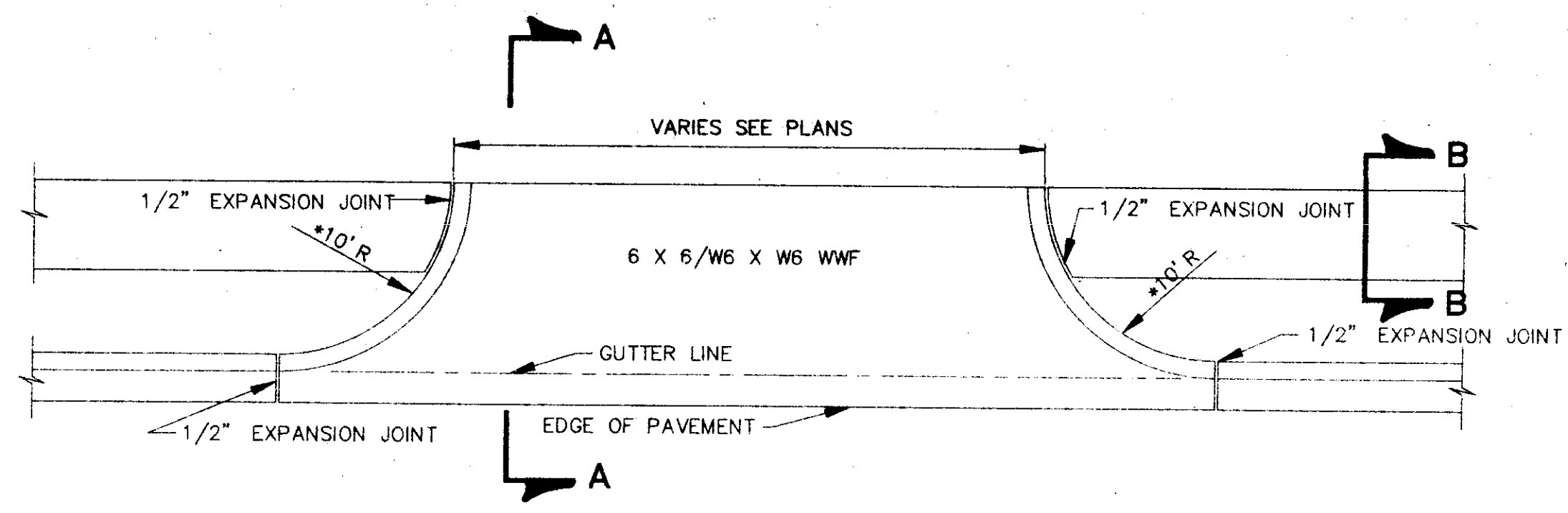


**FENCE DETAIL**  
N.T.S.

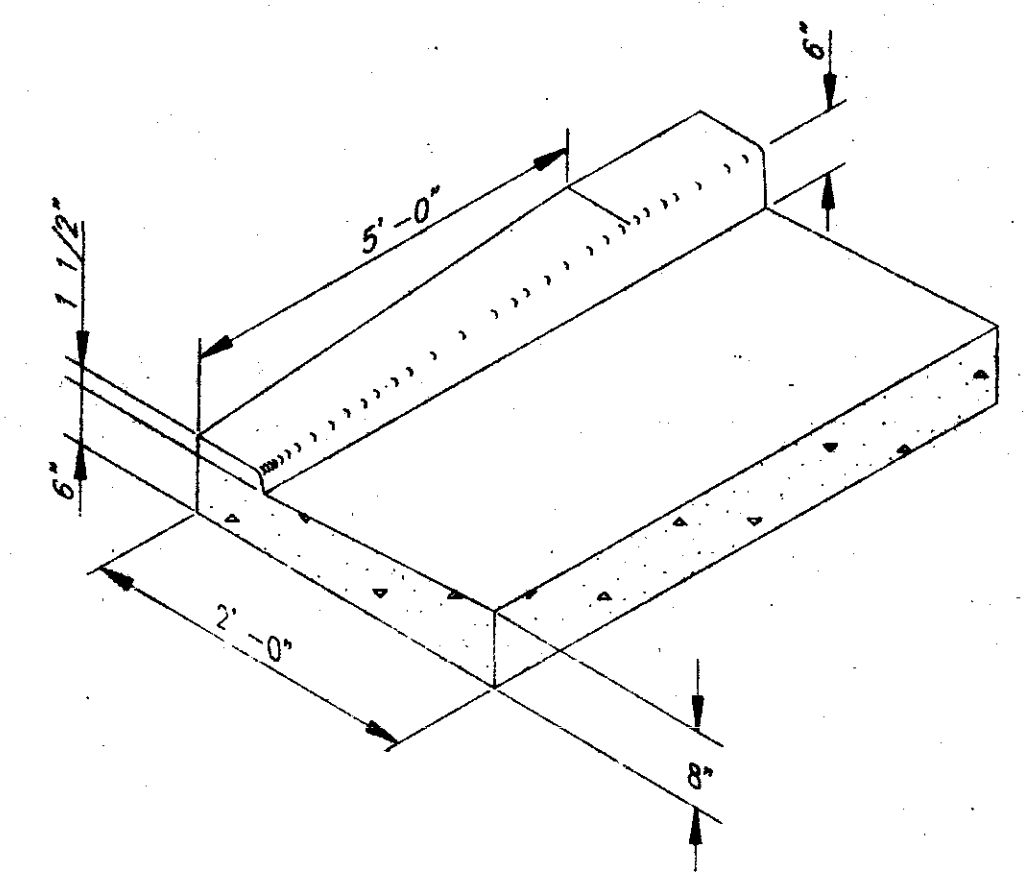
**GATE DETAIL**  
N.T.S.



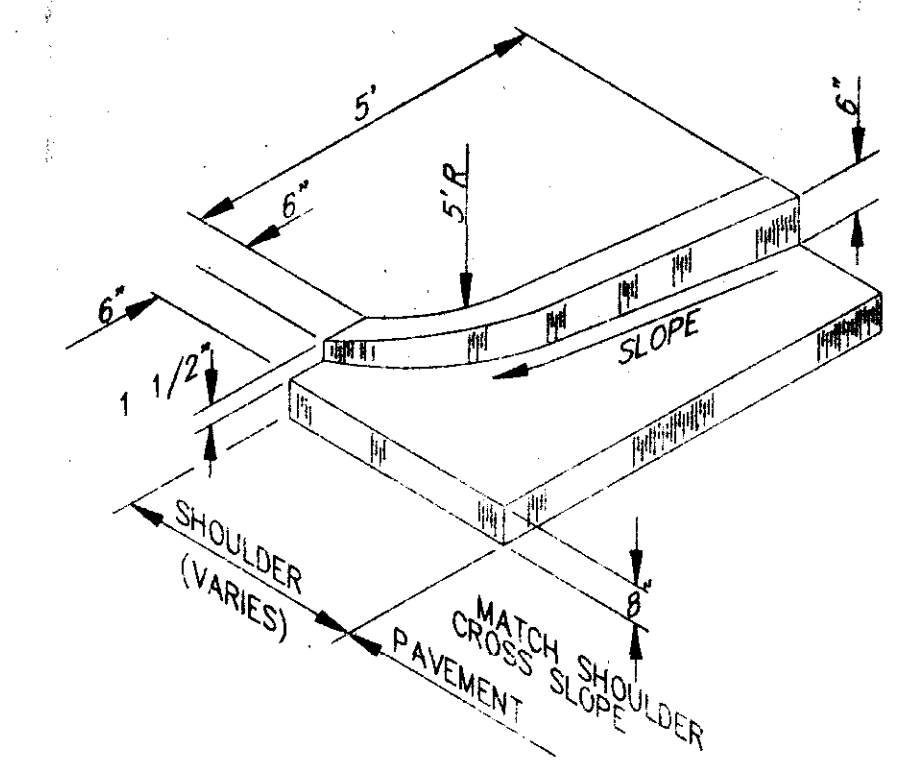
**SUPPORT MOUNTING DETAIL**  
N.T.S.



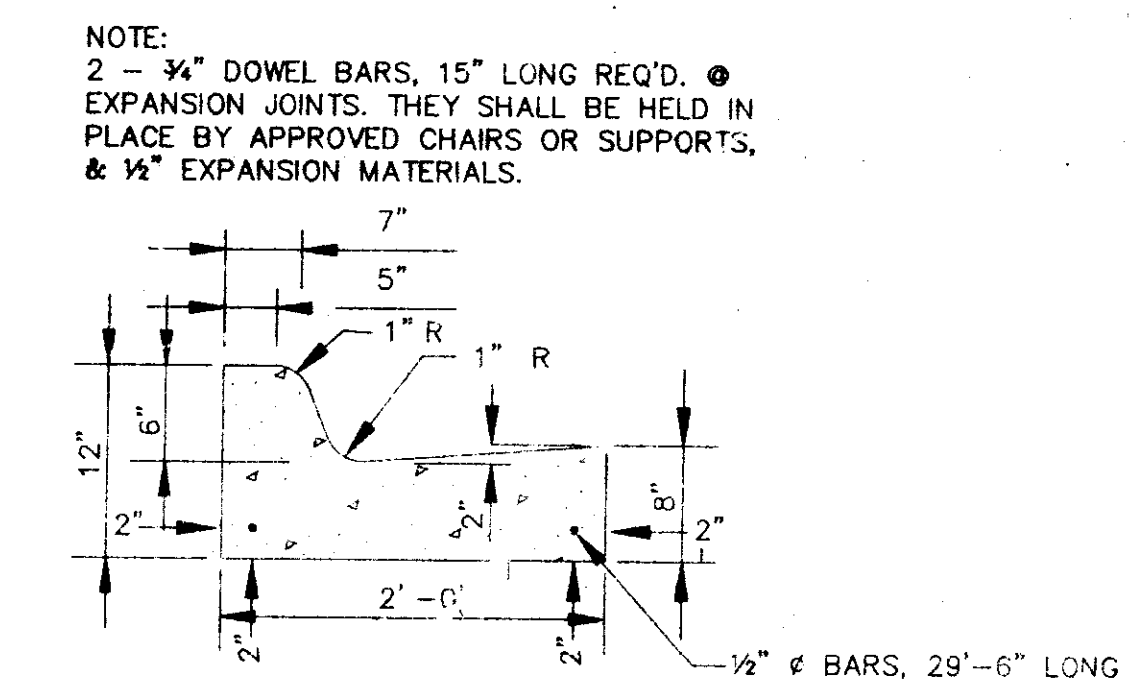
**PLAN OF CONCRETE DRIVEWAY**  
N.T.S.



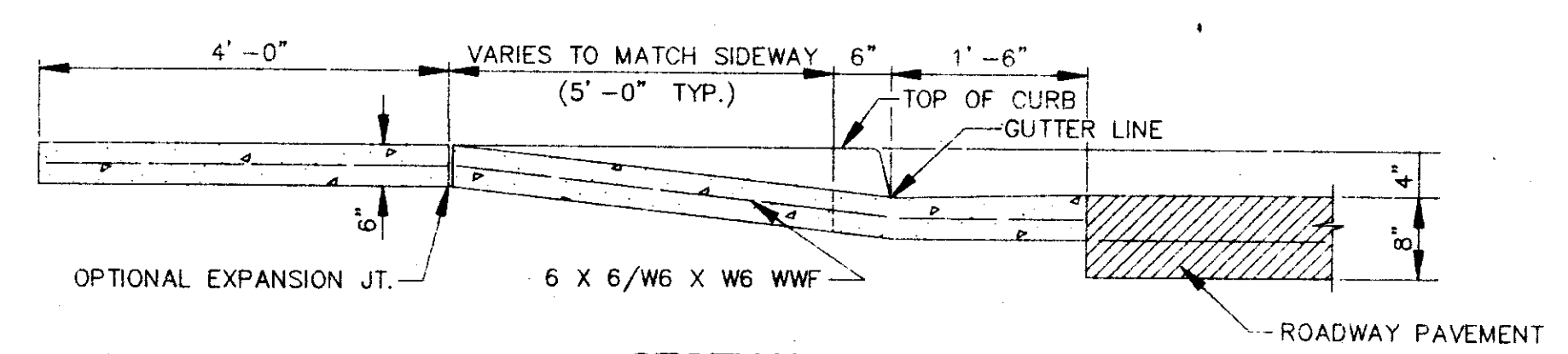
**CURB END TRANSITION IN TANGENT SECTION**  
(TO BE PAID FOR AS COMBINATION CURB & GUTTER)



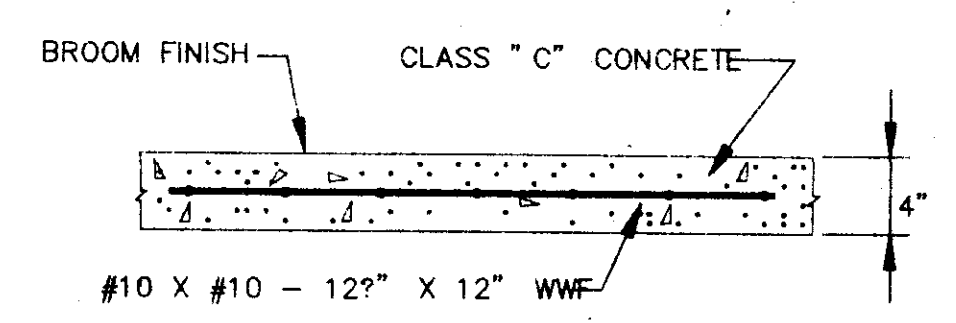
**CURB END TRANSITION IN RADIUS SECTION**  
(TO BE PAID FOR AS COMBINATION CURB & GUTTER)



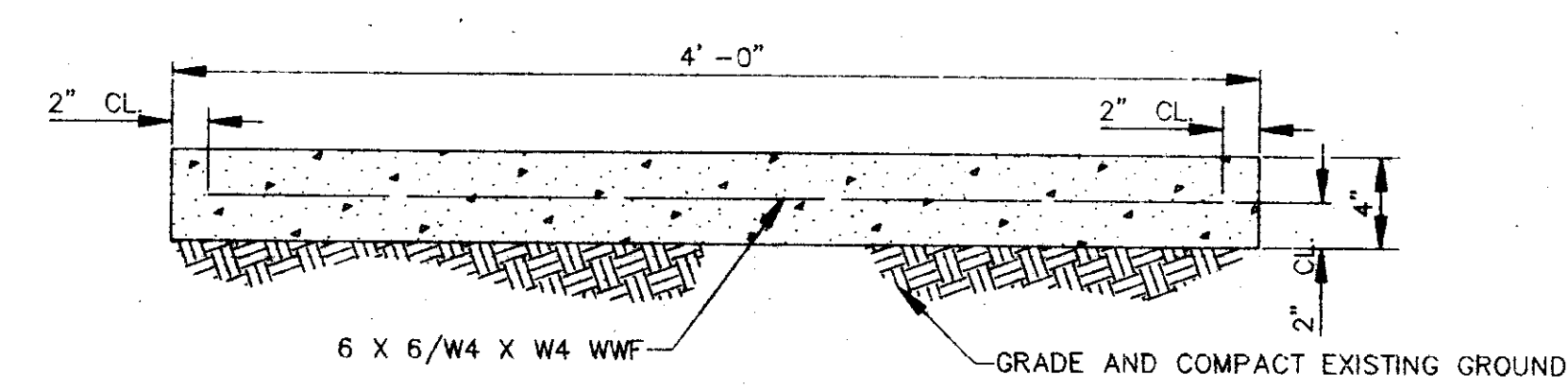
**STANDARD CURB AND GUTTER**  
N.T.S.



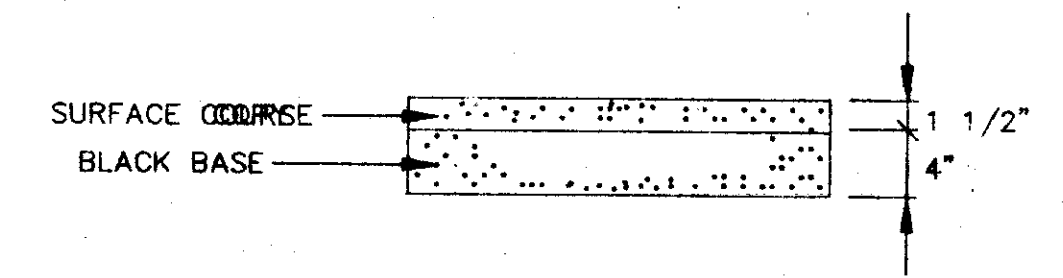
**SECTION A-A**  
N.T.S.



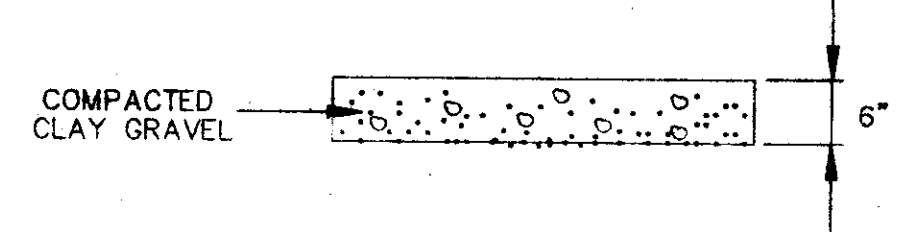
**TYPICAL CONC. DRIVEWAY AND SIDEWALK REPAIR**



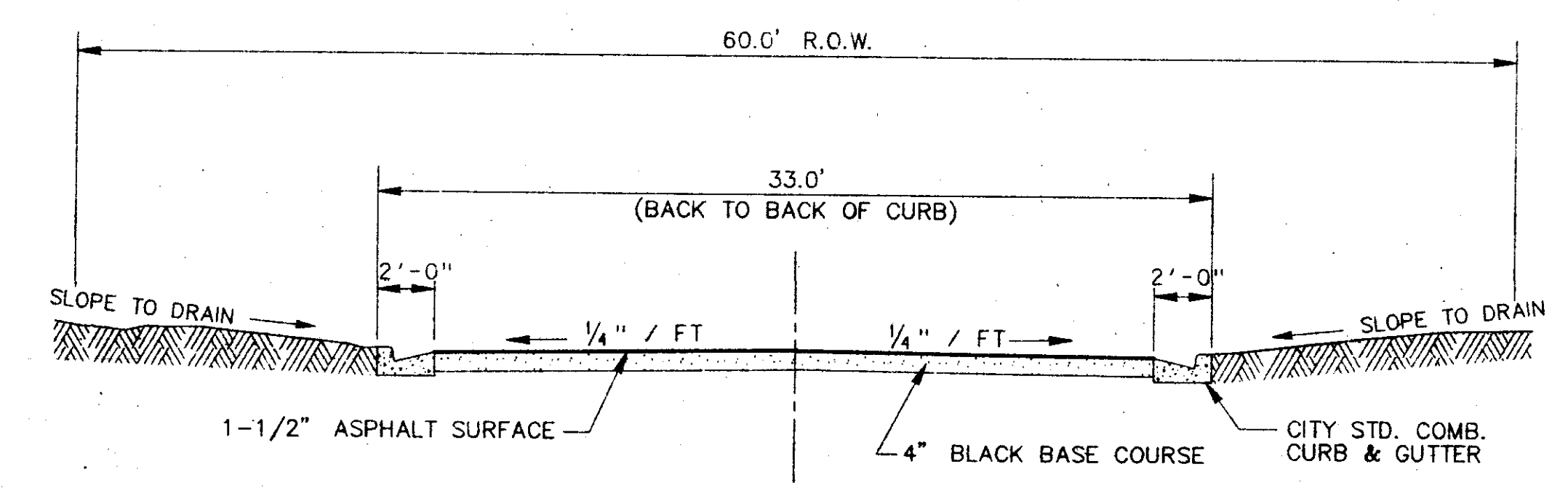
**SECTION B-B**  
N.T.S.



**TYPICAL ASPHALT DRIVEWAY REPAIR**



**TYPICAL GRAVEL DRIVEWAY REPAIR**



**TYPICAL STREET SECTION**  
N.T.S.

**CORPORATE CENTRE**  
**PART ONE**

**MISCELLANEOUS DETAILS**

Prepared By:  
**Browning, Inc.**  
CONSULTING ENGINEERS - SURVEYORS

1058 Ridgewood Place Jackson, Mississippi 39211 Ph: (601)-957-3800

DESIGNED BY: P.L.P. SCALE: NONE SHEET No. 11 OF 11  
DRAWN BY: J.S.R. DATE: 06/11/96