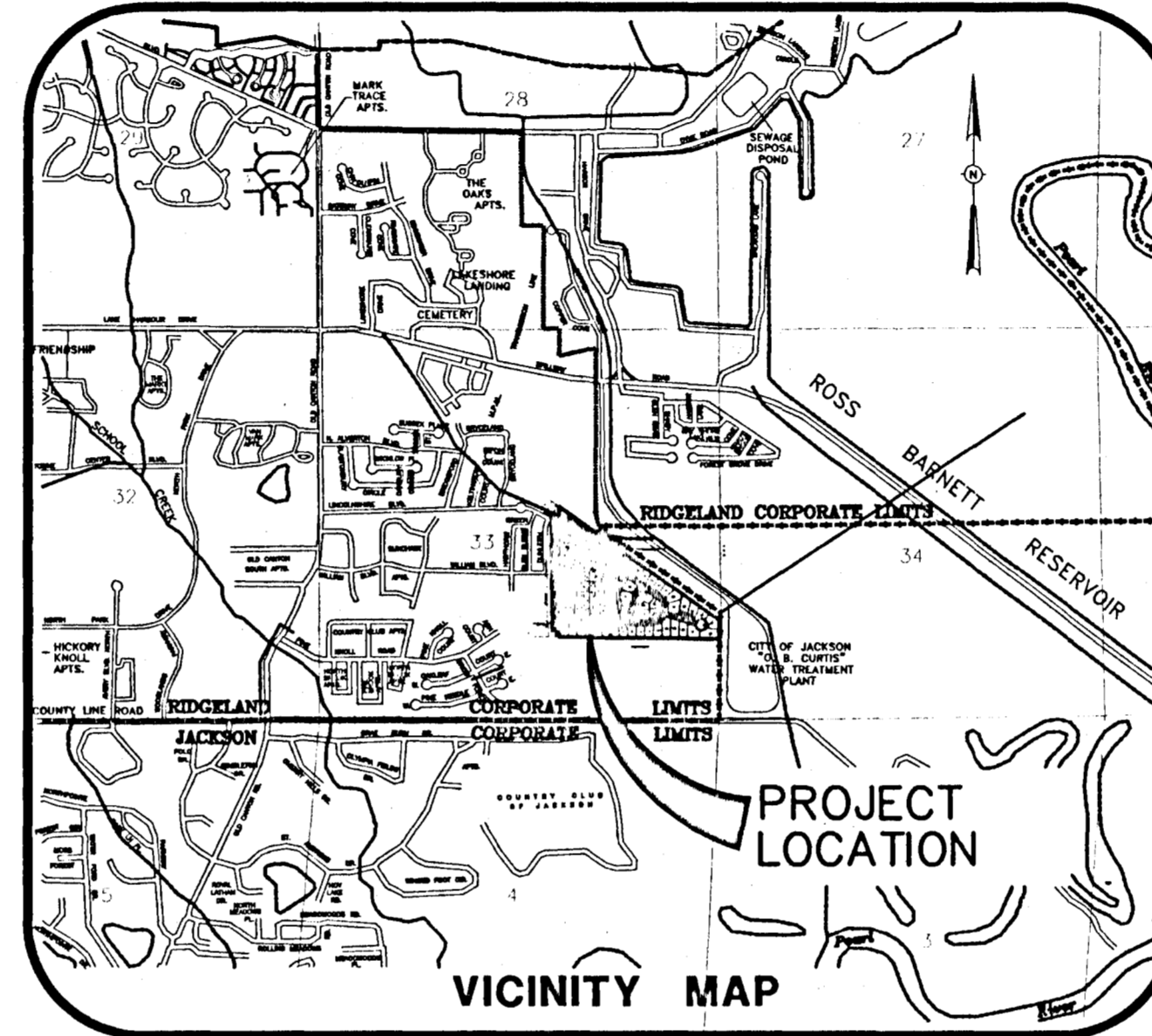


# RECORD DRAWINGS

## FOR

# BLACKTHORNE I

## (HAWTHORN GREEN - PART 4A)



### DRAWING INDEX

- 1 - COVER SHEET
- 2 - GEOMETRIC LAYOUT
- 4 - DRAINAGE LAYOUT
- 5 - SEWER AND WATER LAYOUT
- 5A - SEWER AND WATER SERVICE LAYOUT
- 6 - EROSION, SEDIMENT AND STORMWATER CONTROL PLAN
- 7 - PLAN AND PROFILE - LINCOLNSHIRE BOULEVARD (STA. 1+00 TO 16+26.83)
- 8 - PLAN AND PROFILE - SPRINGFIELD COURT (STA. 1+00 TO 7+26.51)  
PLAN AND PROFILE - OLD SQUARE COURT (STA. 1+00 TO STA. 4+20.42)
- 9 - PLAN AND PROFILE - BLACKTHORNE LANE (STA. 1+00 TO STA. 7+74.21)
- 10 - PLAN AND PROFILE - NAYLOR LANE (STA. 1+00 TO 5+99.69)  
PLAN AND PROFILE - TRINITY LANE (STA. 1+00 TO STA. 4+27.47)
- 11 - PLAN AND PROFILE - DRAINLINE "A" (STA. 7+75 TO 14+24.04)
- 12 - CITY OF RIDGELAND STANDARD DETAILS
- 13 - CITY OF RIDGELAND STANDARD DETAILS
- 14 - CITY OF RIDGELAND STANDARD DETAILS
- 15 - CITY OF RIDGELAND STANDARD DETAILS
- 16 - CITY OF RIDGELAND STANDARD DETAILS

DRAWING NO. PROJECTS\2003\03001\YHGW-PART4\HWG4-COV.DWG

*PWP-225 Michael*  
  
 5/12/04

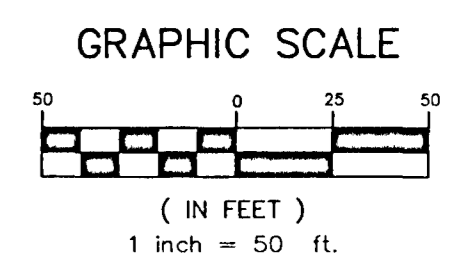
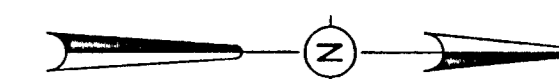
**H D LANG AND ASSOCIATES, INC.**  
 POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236  
 601-362-4886

DEVELOPER  
**SOUTH MADISON COUNTY  
 DEVELOPMENT COMPANY, INC.**  
 POST OFFICE BOX 100  
 MADISON, MISSISSIPPI 39130

LOCATION  
**SITUATED IN THE  
 NE 1/4 OF THE SE 1/4 OF  
 SECTION 33, TOWNSHIP 7 NORTH - RANGE 2 EAST  
 CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI**

DATE	REVISION	BY	DRAWN BY: C.L.S.
04-06-04	RECORD DRAWINGS	JOT	DATE: 04-21-03
04-21-04	REVISED NAME	JOT	SCALE:
			BOOK: PAGE:
			PROJECT NO.: 03-001

SHEET  
**1**



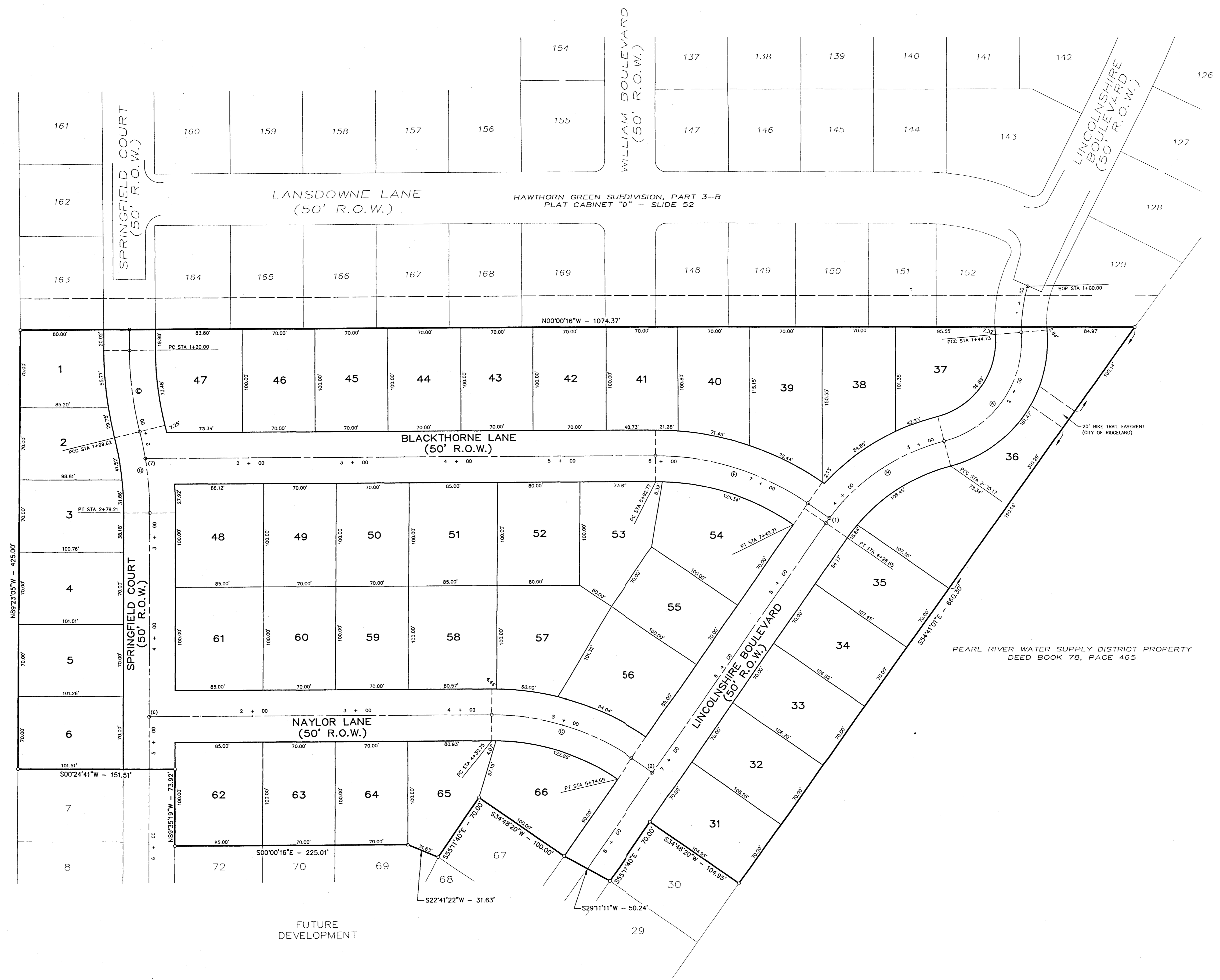
**CENTRELINE CURVE DATA**

① Δ = 80°27'40"	② Δ = 40°31'12"	③ Δ = 149°22'27"
D = 52.29283'	D = 28.55881'	D = 17.74541'
R = 100.00'	R = 200.34'	R = 322.81'
T = 24.60'	T = 72.50'	T = 40.00'
L = 140.43'	L = 141.69'	L = 78.59'

④ Δ = 13°39'52"	⑤ Δ = 34°48'38"	⑥ Δ = 34°48'38"
D = 157.8194'	D = 22.20111'	D = 24.80288'
R = 333.65'	R = 227.50'	R = 236.50'
T = 40.00'	T = 40.72'	T = 74.25'
L = 79.62'	L = 156.44'	L = 143.93'

- CENTRELINE INTERSECTIONS**
- (1) STA. 4+20.57 LINCOLNSHIRE BOULEVARD = STA. 2+74.37 LINDEN LANE
  - (2) STA. 2+20.85 LINCOLNSHIRE BOULEVARD = STA. 5+89.65 CHINA LANE
  - (3) STA. 4+78.50 SPRINGFIELD COURT = STA. 1+00 CHINA LANE
  - (4) STA. 2+26.38 SPRINGFIELD COURT = STA. 1+00 LINDEN LANE



**NOTES:**  
1. DIMENSIONS ALONG CURVES ARE CHORD DISTANCES.  
2. AREA = 10.089 ACRES (MORE OR LESS)

DRAWING NO. PROJECTS\0003\0300\VIEW-PART\PARTA\HIGH-GEODWG

**H D LANG AND ASSOCIATES, INC.**  
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236  
601-362-4886

PROJECT  
**BLACKTHORNE I**  
(HAWTHORN GREEN, PART 4A)

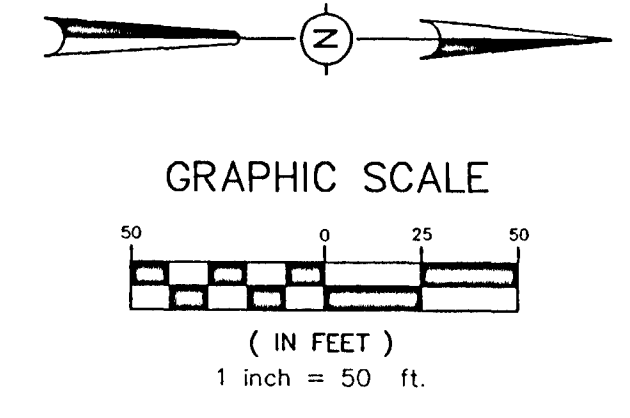
DESCRIPTION  
**GEOMETRIC LAYOUT**

DATE	REVISION	BY	DRAWN BY:
05-09-03	ADDED BIKE EASEMENT	CLS	CLS
04-06-04	RECORD DRAWINGS	JOT	CLS
04-21-04	REVISED NAME/LOT 36	JOT	CLS

DATE: 04-07-03  
SCALE: 1"=50'  
BOOK: PAGE:  
PROJECT NO.: 03-001

SHEET  
**2**





**CENTERLINE INTERSECTIONS**

(1) STA 4+20.87 LINCOLNSHIRE BOULEVARD = STA 7+74.21 LENOX LANE  
 (2) STA 7+20.95 LINCOLNSHIRE BOULEVARD = STA 5+99.59 CHINA LANE  
 (6) STA 4+76.50 SPRINGFIELD COURT = STA 1+60 CHINA LANE  
 (7) STA 1+26.28 SPRINGFIELD COURT = STA 1+00 LENOX LANE

**CENTERLINE CURVE DATA**

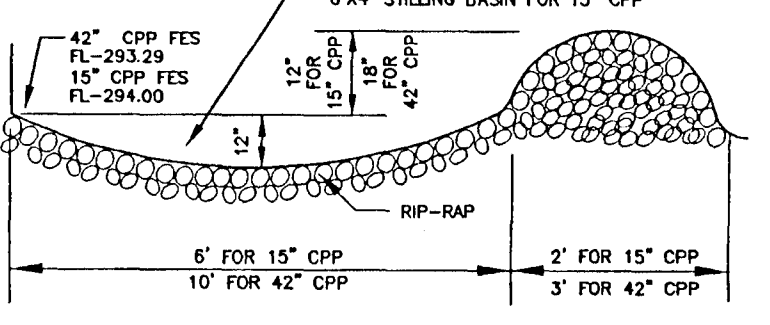
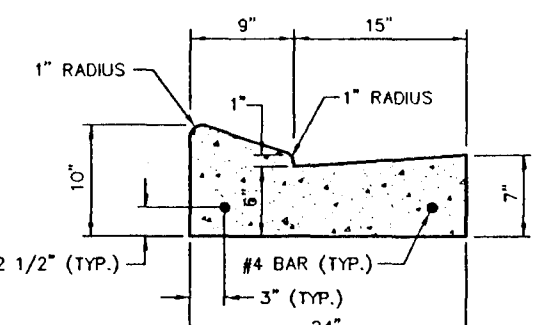
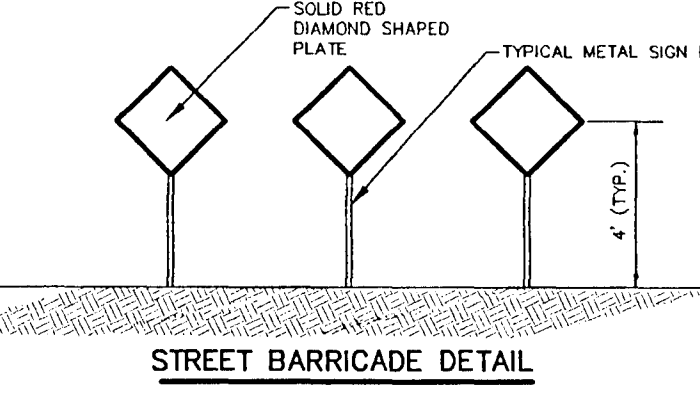
① Δ = 80°27'40"	② Δ = 40°31'12"	③ Δ = 143°07'23"
D = 67.29583'	D = 28.59561'	D = 17.74261'
R = 100.00'	R = 200.34'	R = 322.91'
T = 84.60'	T = 73.95'	T = 40.60'
L = 140.43'	L = 141.65'	L = 79.99'

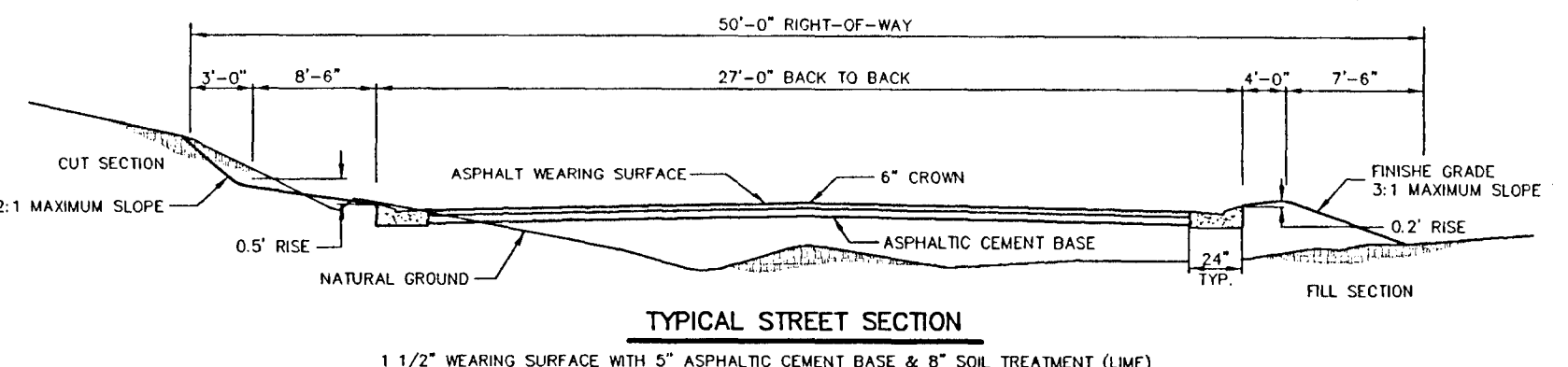
④ Δ = 13°39'52"	⑤ Δ = 34°48'36"	⑥ Δ = 34°48'36"
D = 17.16194'	D = 22.25111'	D = 24.18528'
R = 333.85'	R = 257.50'	R = 236.90'
T = 40.92'	T = 89.72'	T = 74.35'
L = 79.62'	L = 156.44'	L = 143.93'

**DRAINAGE STRUCTURE SCHEDULE**

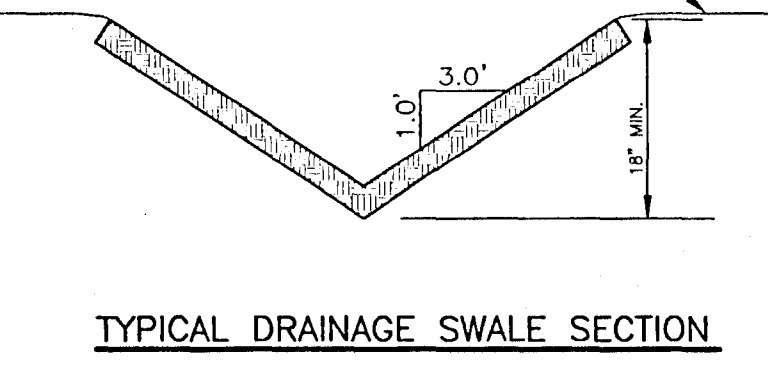
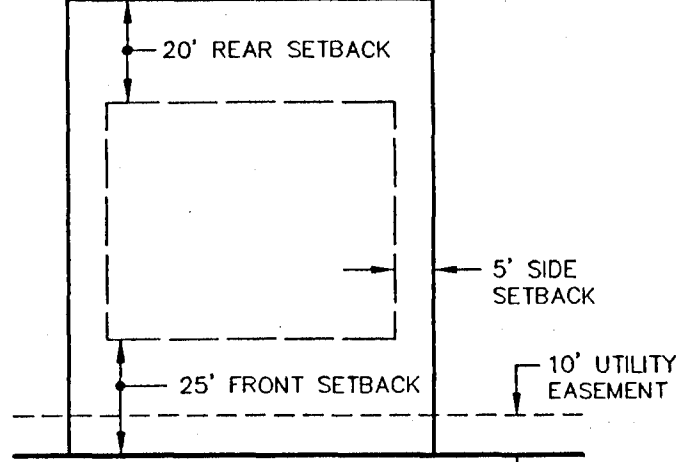
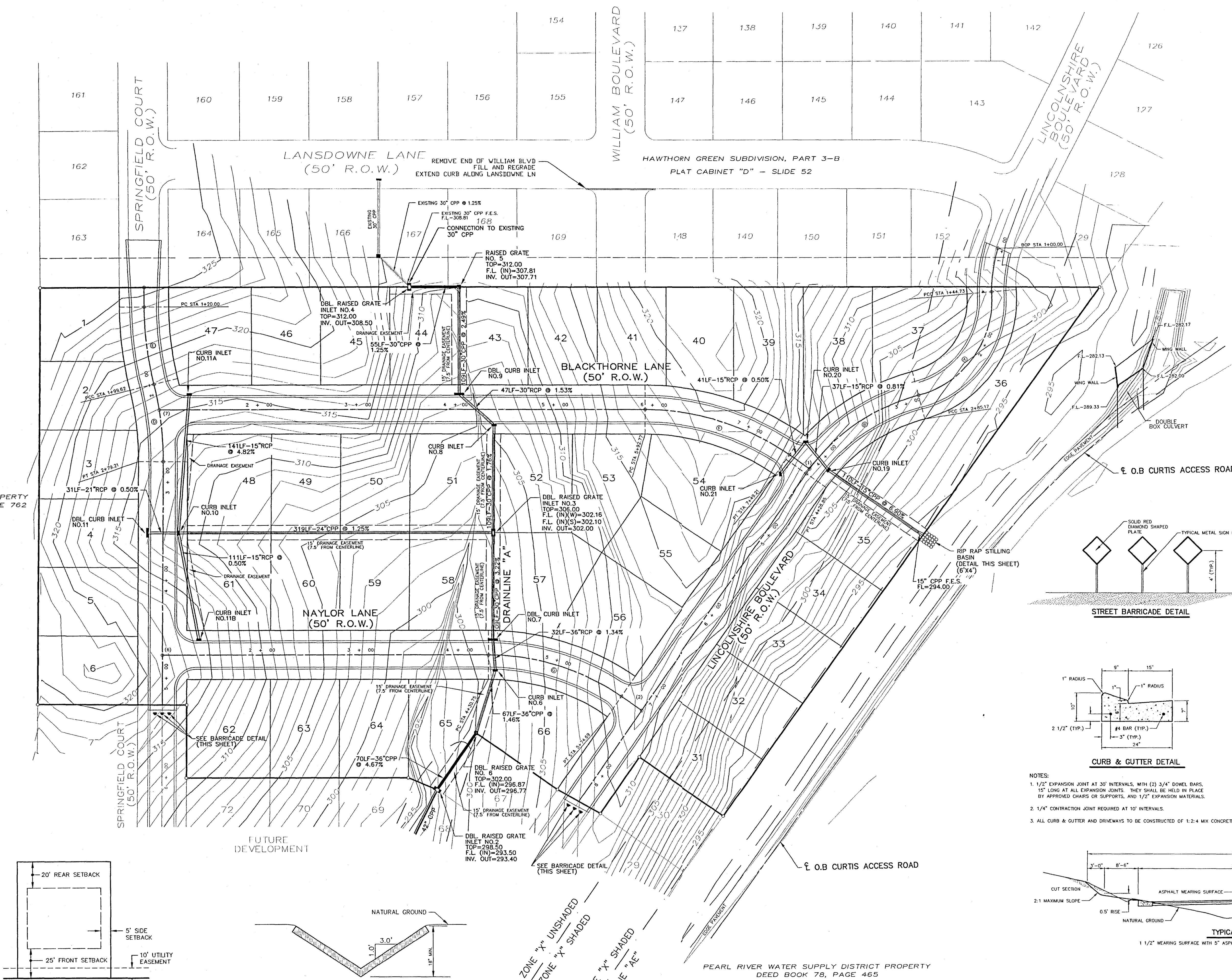
<b>CURB INLET 6</b> 15.7' RT OF STA. 4+38.10 D.A. = 0.59oc I.D.A. = 6.62oc TC = 11.1 I = 8.29 Q = 80.2	<b>DBL CURB INLET 7</b> 15.7' LT OF STA. 4+35.15 D.A. = 0.80oc I.D.A. = 6.03oc TC = 10.9 I = 9.35 Q = 76.9	<b>CURB INLET 8</b> 15.7' RT OF STA. 4+39.22 D.A. = 0.68oc I.D.A. = 2.25oc TC = 5.9 I = 9.57 Q = 54.7	<b>DBL CURB INLET 9</b> 15.7' LT OF STA. 4+04.04 D.A. = 0.82oc I.D.A. = 1.57oc TC = 8.3 I = 9.35 Q = 50.1
<b>CURB INLET 10</b> 15.7' LT OF STA. 3+51.38 D.A. = 0.43oc I.D.A. = 1.90oc TC = 7.5 I = 9.71 Q = 13.8	<b>DBL CURB INLET 11</b> 15.7' LT OF STA. 3+51.38 D.A. = 1.15oc I.D.A. = 1.15oc TC = 7.3 I = 9.81 Q = 8.5	<b>CURB INLET 11A</b> 15.7' LT OF STA. 1+30.73 D.A. = 0.32oc I.D.A. = 0.32oc TC = 5.7 I = 10.55 Q = 2.5	<b>CURB INLET 11B</b> 15.7' LT OF STA. 1+37.25 D.A. = 0.20oc I.D.A. = 0.20oc TC = 5.7 I = 10.67 Q = 1.6
<b>CURB INLET 19</b> 21.5' RT OF STA. 4+42.07 D.A. = 0.55oc I.D.A. = 1.32oc TC = 11.0 I = 8.32 Q = 8.2	<b>CURB INLET 20</b> 20.3' RT OF STA. 4+03.08 D.A. = 0.27oc I.D.A. = 0.77oc TC = 10.6 I = 8.49 Q = 3.3	<b>CURB INLET 21</b> 15.7' LT OF STA. 4+09.65 D.A. = 0.50oc I.D.A. = 0.50oc TC = 10.0 I = 8.67 Q = 4.8	
<b>DRGL 2</b> 125.0' RT OF STA. 9+05.94 D.A. = 0.84oc I.D.A. = 7.46oc TC = 11.8 I = 8.05 Q = 84.2	<b>DRGL 3</b> 125.0' RT OF STA. 4+38.43 D.A. = 1.00oc I.D.A. = 5.23oc TC = 10.1 I = 8.63 Q = 73.0	<b>DRGL 4</b> 125.0' LT OF STA. 3+54.19 D.A. = 0.75oc I.D.A. = 0.75oc TC = 6.5 I = 10.22 Q = 44.8	



- NOTES:**
- 1 1/2" EXPANSION JOINT AT 30' INTERVALS, WITH (2) 3/4" SOWEL BARS, 15' LONG AT ALL EXPANSION JOINTS. THEY SHALL BE HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS, AND 1/2" EXPANSION MATERIALS.
  - 2 1/4" CONTRACTION JOINT REQUIRED AT 10' INTERVALS.
  - ALL CURB & GUTTER AND DRIVEWAYS TO BE CONSTRUCTED OF 1:2:4 MIX CONCRETE.



- NOTES:**
- THIS PROPERTY LIES WITHIN THE LIMITS ESTABLISHED FOR ZONE "AE", "X" (SHADED AND NO SHADING) ACCORDING TO FIRM MAP NUMBER 28089C0340 D, EFFECTIVE DECEMBER 16, 1988.
  - FLOOD LINES INTERPOLATED FROM FIRM MAP NUMBER 28089C0340 D.



**H D LANG AND ASSOCIATES, INC.**  
 POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236  
 601-362-4686

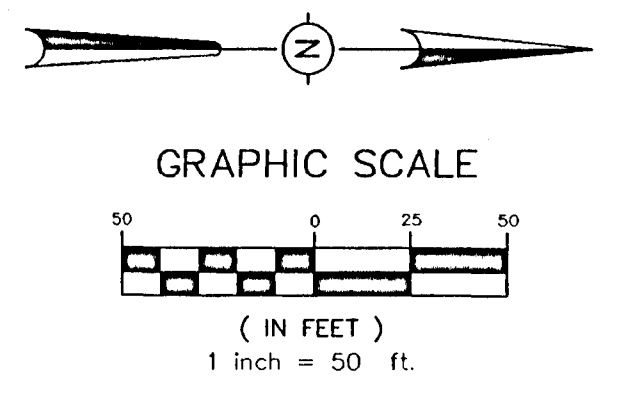
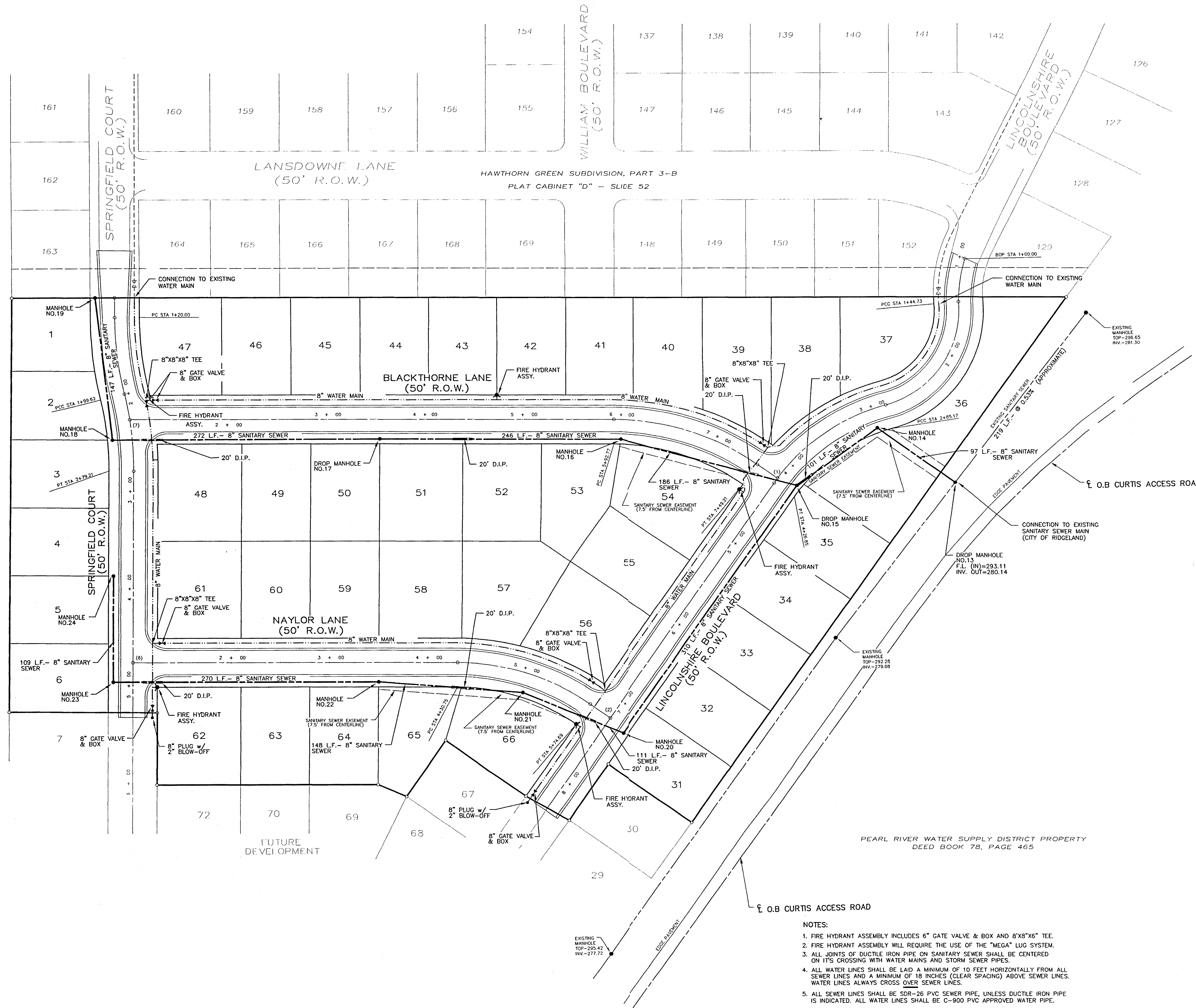
PROJECT  
**BLACKTHORNE I (HAWTHORN GREEN, PART 4A)**

DESCRIPTION  
**DRAINAGE LAYOUT**

DATE	REVISION	BY	DRAWN BY: CLS
05-09-03	REVISED PER RIDGELAND	CLS	DATE: 04-07-03
04-06-04	RECORD DRAWINGS	JOT	SCALE: 1"=50'
04-21-04	REVISED NAME/LOT 36	JOT	BOOK: PAGE:
5-12-04	REVISE AS-BUILTS	D.L.M.	PROJECT NO.: 03-001

SHEET  
**4**

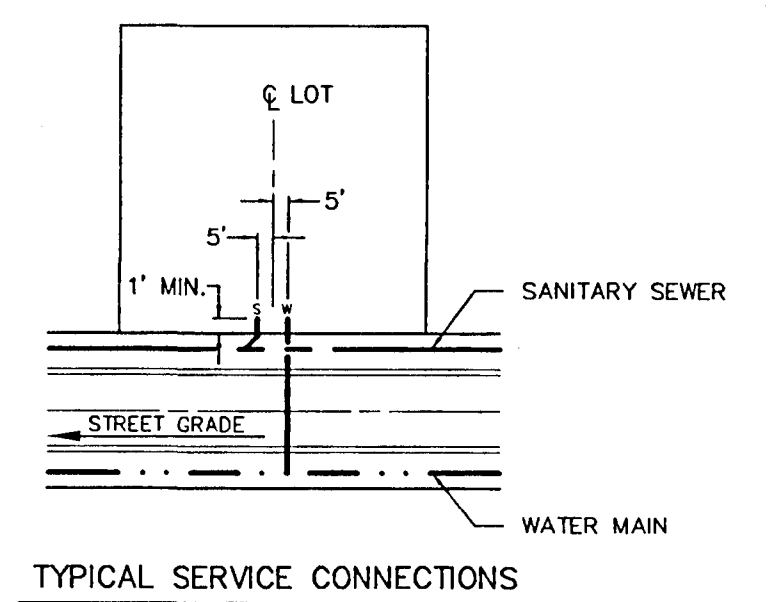
DRAWING NO. PROJECTS\2003\03001\VIEW-PART4\PART4-VIEW-164-DC.DWG



- CENTERLINE INTERSECTIONS:
- (1) STA. 4+20.97 LINCOLNSHIRE BOULEVARD = STA. 7+74.21 LENOX LANE
  - (2) STA. 7+20.55 LINCOLNSHIRE BOULEVARD = STA. 5+99.69 CHINA LANE
  - (6) STA. 4+76.50 SPRINGFIELD COURT = STA. 1+00 CHINA LANE
  - (7) STA. 2+26.28 SPRINGFIELD COURT = STA. 1+00 LENOX LANE

CITY OF JACKSON PROPERTY DEED BOOK 357, PAGE 762

PEARL RIVER WATER SUPPLY DISTRICT PROPERTY DEED BOOK 78, PAGE 465



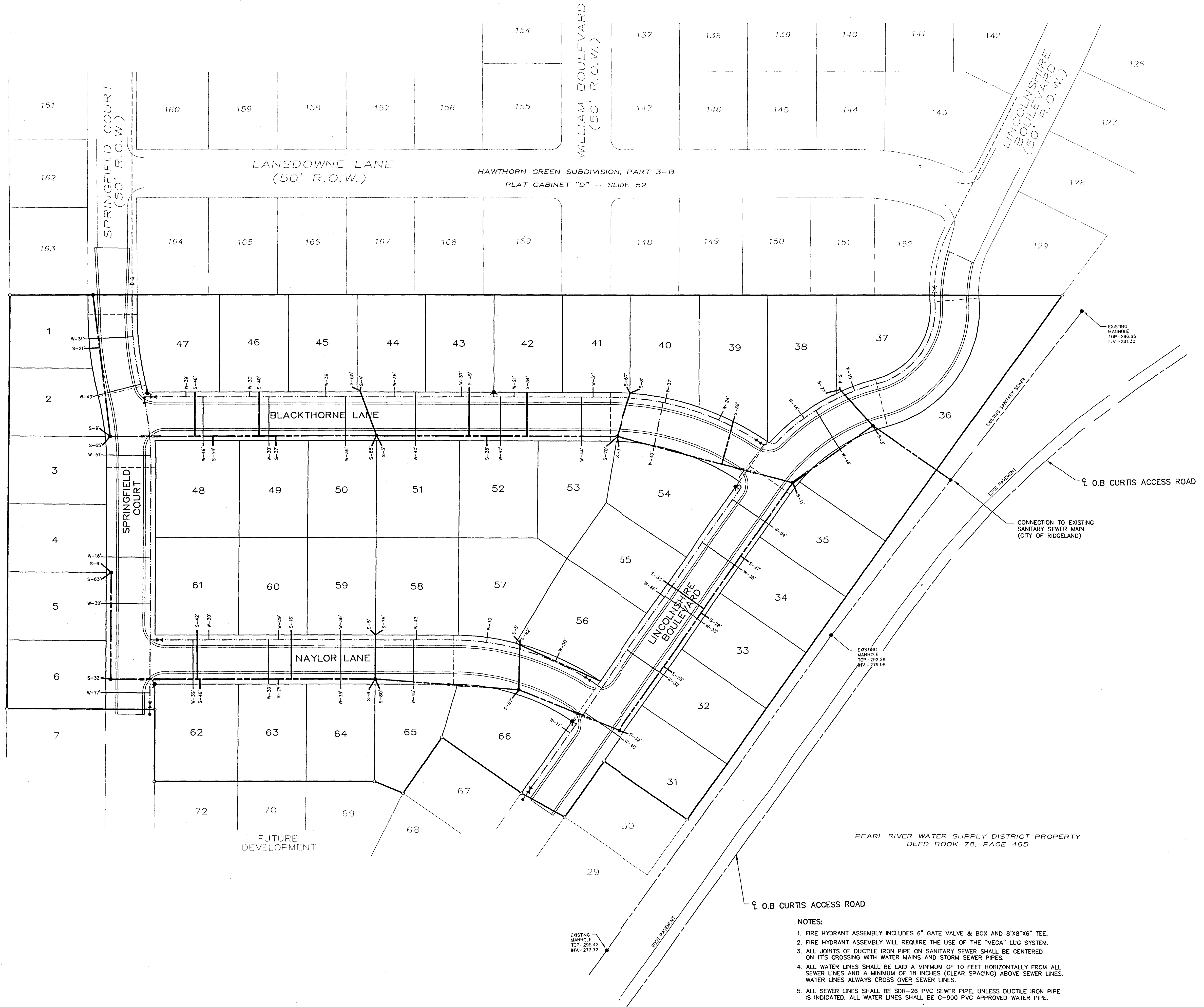
- NOTES:
1. FIRE HYDRANT ASSEMBLY INCLUDES 6" GATE VALVE & BOX AND 8"x8"x6" TEE.
  2. FIRE HYDRANT ASSEMBLY WILL REQUIRE THE USE OF THE "MEGA" LUG SYSTEM.
  3. ALL JOINTS OF DUCTILE IRON PIPE ON SANITARY SEWER SHALL BE CENTERED ON IT'S CROSSING WITH WATER MAINS AND STORM SEWER PIPES.
  4. ALL WATER LINES SHALL BE LAID A MINIMUM OF 10 FEET HORIZONTALLY FROM ALL SEWER LINES AND A MINIMUM OF 18 INCHES (CLEAR SPACING) ABOVE SEWER LINES. WATER LINES ALWAYS CROSS OVER SEWER LINES.
  5. ALL SEWER LINES SHALL BE SDR-26 PVC SEWER PIPE, UNLESS DUCTILE IRON PIPE IS INDICATED. ALL WATER LINES SHALL BE C-900 PVC APPROVED WATER PIPE.

NOTE: THE CONTRACTOR SHALL PROVIDE A 3/4" WATER SERVICE AND A 6" SANITARY SEWER SERVICE TO EACH LOT AS DIRECTED BY THE ENGINEER.

DRAWING NO. PROJECTS\2003\03001\HIGH-PART 4\PART 4-HIGH-SW.DWG

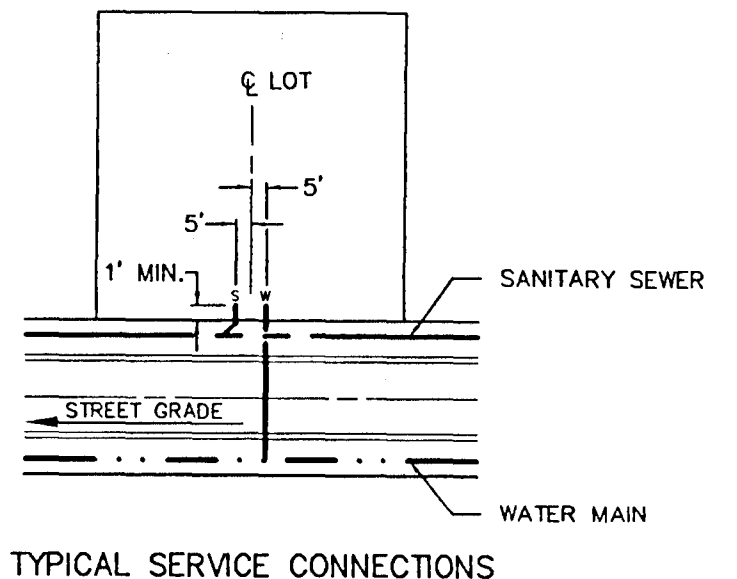
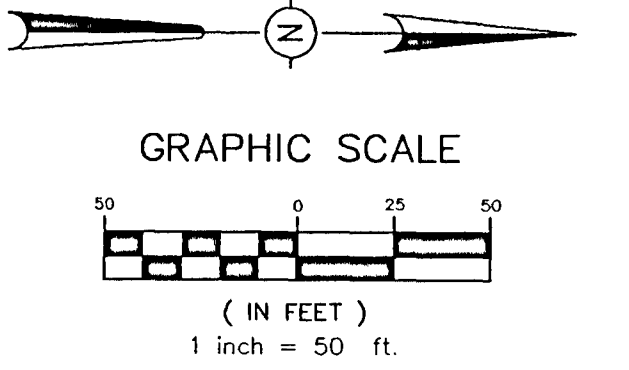
<b>H D LANG AND ASSOCIATES, INC.</b> POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236 601-362-4886	PROJECT <b>BLACKTHORNE I (HAWTHORN GREEN, PART 4A)</b>	DESCRIPTION <b>SEWER &amp; WATER LAYOUT</b>	DATE	REVISION	BY	DRAWN BY: CLS DATE: 04-10-03 SCALE: 1"=50' BOOK: PAGE: PROJECT NO.: 03-001	SHEET <b>5</b>
			04-06-04	RECORD DRAWINGS	JOT		
			04-21-04	REVISED NAME/LOT 36	JOT		
			5-12-04	REVISE AS-BUILT	D.L.M.		





CITY OF JACKSON PROPERTY  
DEED BOOK 357, PAGE 762

PEARL RIVER WATER SUPPLY DISTRICT PROPERTY  
DEED BOOK 78, PAGE 465



- NOTES:
1. FIRE HYDRANT ASSEMBLY INCLUDES 6" GATE VALVE & BOX AND 8"X8"X6" TEE.
  2. FIRE HYDRANT ASSEMBLY WILL REQUIRE THE USE OF THE "MEGA" LUG SYSTEM.
  3. ALL JOINTS OF DUCTILE IRON PIPE ON SANITARY SEWER SHALL BE CENTERED ON ITS CROSSING WITH WATER MAINS AND STORM SEWER PIPES.
  4. ALL WATER LINES SHALL BE LAID A MINIMUM OF 10 FEET HORIZONTALLY FROM ALL SEWER LINES AND A MINIMUM OF 18 INCHES (CLEAR SPACING) ABOVE SEWER LINES. WATER LINES ALWAYS CROSS OVER SEWER LINES.
  5. ALL SEWER LINES SHALL BE SDR-26 PVC SEWER PIPE, UNLESS DUCTILE IRON PIPE IS INDICATED. ALL WATER LINES SHALL BE C-900 PVC APPROVED WATER PIPE.

NOTE:  
THE CONTRACTOR SHALL PROVIDE A 3/4" WATER SERVICE AND A 6" SANITARY SEWER SERVICE TO EACH LOT AS DIRECTED BY THE ENGINEER.

DRAWING NO. PROJECTS\2003\03001\WGW-PART14\PART-A\WGA-SWS.DWG

**H D LANG AND ASSOCIATES, INC.**  
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236  
601-352-4386

PROJECT  
**BLACKTHORNE I  
(HAWTHORN GREEN, PART 4A)**

DESCRIPTION  
**SEWER & WATER SERVICE LAYOUT**

DATE	REVISION	BY
04-06-04	RECORD DRAWINGS	JOT
04-21-04	REVISED NAME/LOT 36	JOT
5-12-04	REVISE AS-BUILTS	D.L.M.

DRAWN BY: CLS  
DATE: 06-26-03  
SCALE: 1"=50'  
BOOK: PAGE:  
PROJECT NO.: 03-001

SHEET  
**5A**

**SYMBOLS FOR EROSION AND SEDIMENT CONTROL PRACTICES**

**TEMPORARY PRACTICES**

- CHECK DAM
- CONSTRUCTION ENTRANCE / EXIT
- DIVERSION
- DUST CONTROL
- SEDIMENT BASIN
- SILT FENCE
- STORM DRAIN INLET PROTECTION (SILT FENCE, STRAW BALE)
- STRAW BALE BARRIER

**PERMANENT PRACTICES**

- BUFFER ZONE
- DETENTION BASIN
- DIVERSION
- GRADE STAB. STRUCTURE
- GRASSED WATERWAY
- LAND GRADING
- LEVEL GRADING
- LINED WATERWAY OR OUTLET
- PARKING LOT STORAGE
- PAVED FLUME
- ROCK OUTLET PROTECTION
- STORMWATER RETENTION BASIN

**VEGETATIVE PRACTICES**

- MULCHING
- PERMANENT SEEDING
- SODDING
- TEMPORARY SEEDING
- TOPSOILING
- TREE PRESERVATION AND PROTECTION
- TREES, SHRUBS, VINES AND GROUND COVER
- VEGETATIVE DUNE STABILIZATION

**COMPOSITE PRACTICES**

- VEGETATIVE STREAMBANK STAB.
- STRUCTURAL STREAMBANK STAB.
- RIPRAP

**PLANNED EROSION, SEDIMENT AND STORMWATER CONTROL PRACTICES**

- 1. STORM DRAIN INLET PROTECTION**  
TEMPORARY HAY BALE AND SILT FENCE COMBINATIONS WILL BE INSTALLED AT ALL CURB INLET AND GRATE INLET LOCATIONS.
- 2. LAND GRADING**  
EXCESS EXCAVATION FROM THE STREET RIGHTS OF WAY WILL BE PLACED ON THE LOTS OF LOWEST ELEVATION. ALL FILL MATERIALS WILL BE COMPACTED AND SLOPES WILL NOT EXCEED 3:1. ALL AREAS WILL RECEIVE SEEDING FOR STABILIZATION OF THE FILL MATERIAL UNTIL PERMANENT VEGETATION IS ESTABLISHED AFTER THE CONSTRUCTION OF THE INDIVIDUAL HOUSES.
- 3. ROCK OUTLET PROTECTION**  
A RIPRAP APRON WILL BE LOCATED AT THE OUTLET OF ALL CULVERTS TO PREVENT SCOUR.
- 4. PERMANENT SEEDING**  
ALL DISTURBED AREAS WILL BE PERMANENTLY SEEDED AND MULCHED ONCE FINAL GRADE IS ESTABLISHED. THE LAND GRADING AREAS PREVIOUSLY MENTIONED WILL RECEIVE TEMPORARY SEEDING AS STATED.

**TEMPORARY SEEDING**

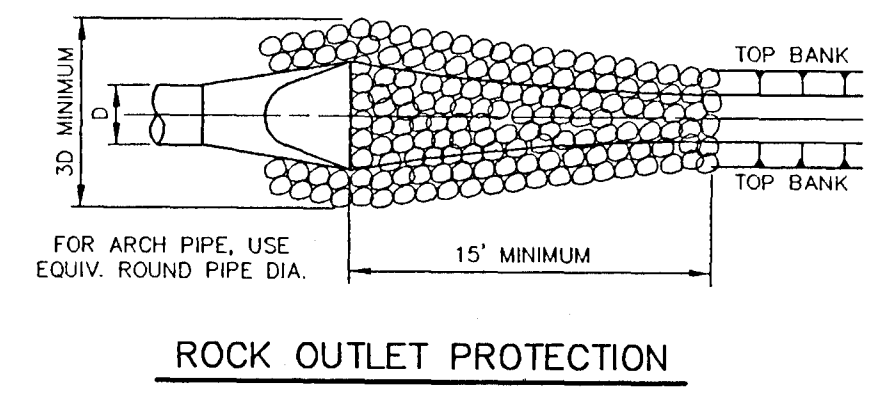
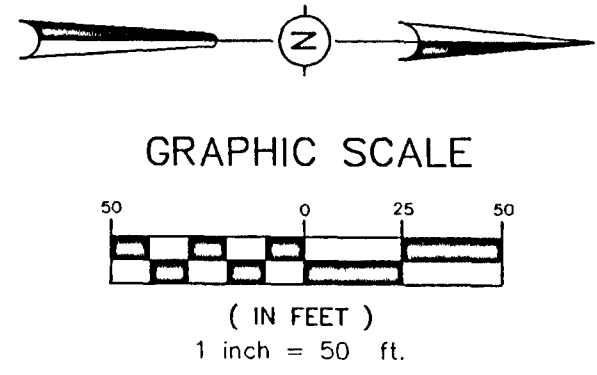
ALL FILL AREAS OUTSIDE OF PAVED AREAS SHALL RECEIVE TEMPORARY SEEDING OF ANNUAL RYEGRASS AT 40 LBS./AC. WITH 13/13/13 FERTILIZER AT 600 LBS./AC.  
ALL SLOPES SHALL RECEIVE TEMPORARY SEEDING AND FERTILIZER AND STRAW MULCH WITH ASPHALT TACK AT 1.5 TONS MULCH/AC. AND 100 GAL. EMULSIFIED ASPHALT, GRADE SS-1 AT 100 GAL./TON MULCH.

**PERMANENT SEEDING**

PERMANENT SEEDING OF BERMUDA GRASS AT 15 LBS./AC. WITH 13/13/13 FERTILIZER AT 600 LBS./AC.

**MAINTENANCE PLAN**

- SHORT TERM**
1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
  2. SEDIMENT WILL BE REMOVED FROM THE INLET PROTECTION DEVICES WHEN IT REACHES A MAXIMUM OF 6 INCHES DEEP. THE DEVICE WILL BE REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
  3. ALL SEEDED AREAS WILL BE FERTILIZED AND RESEEDED AS NECESSARY TO MAINTAIN A DENSE VEGETATIVE COVER.
- LONG TERM**
1. ALL VEGETATED AREAS WILL BE MAINTAINED IN ADEQUATE CONDITION TO PROVIDE PROPER GROUND COVER.
  2. AREAS WHERE VEGETATION IS LOST WILL BE FERTILIZED, SEEDED AND MAINTAINED AS NECESSARY TO RESTORE PROPER GROUND COVER.
  3. STRUCTURAL MEASURES WILL BE EXAMINED AT LEAST ANNUALLY AND MAINTENANCE PERFORMED AS NEEDED.



DRAWING NO. PROJECTS\0303\0301\WG-PART4-PART-A\WG-EC.DWG

**H D LANG AND ASSOCIATES, INC.**  
JACKSON, MISSISSIPPI 39236  
601-362-4886

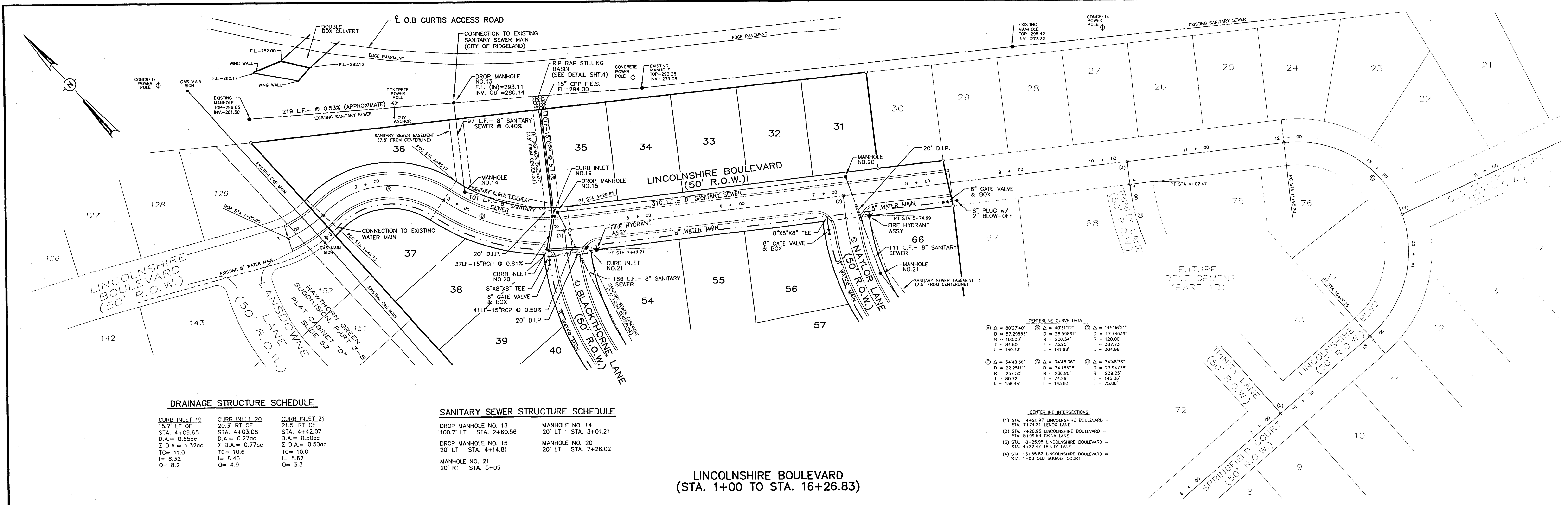
PROJECT  
**BLACKTHORNE I**  
(HAWTHORN GREEN - PART 4A)

DESCRIPTION  
**EROSION, SEDIMENT AND STORMWATER CONTROL PLAN**

DATE	REVISION	BY	DRAWN BY: CLS
04-06-04	RECORD DRAWINGS	JOT	DATE: 04-10-03
04-21-04	REVISED NAME/LOT 36	JOT	SCALE: 1"=50'
5-12-04	REVISE AS-BUILTS	D.L.M.	BOOK: PAGE:
			PROJECT NO.: 03-001

SHEET  
**6**





**DRAINAGE STRUCTURE SCHEDULE**

CURB INLET NO.	DESCRIPTION	STATION	ELEVATION
19	15.7' LT OF STA. 4+09.65	4+09.65	298.65
20	20.3' RT OF STA. 4+03.08	4+03.08	298.08
21	21.5' RT OF STA. 4+42.07	4+42.07	298.07

**SANITARY SEWER STRUCTURE SCHEDULE**

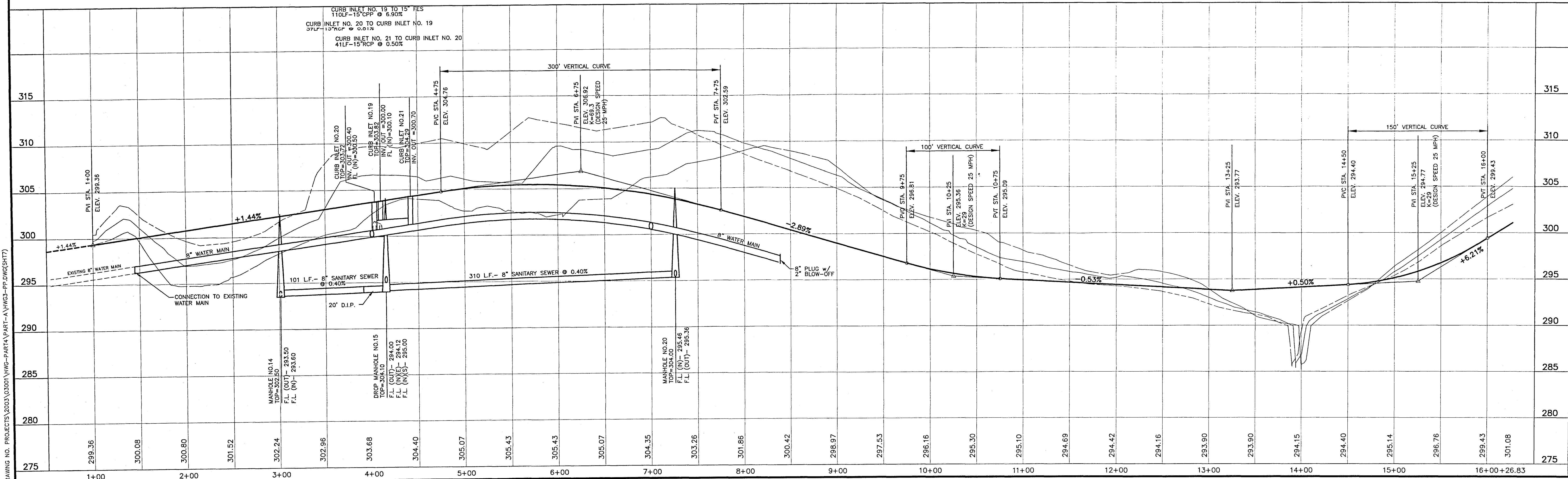
MANHOLE NO.	DESCRIPTION	STATION	ELEVATION
13	DROP MANHOLE	2+60.56	298.56
14	MANHOLE	3+01.21	298.21
15	DROP MANHOLE	4+14.81	298.81
20	MANHOLE	7+26.02	298.02

**LINCOLNSHIRE BOULEVARD (STA. 1+00 TO STA. 16+26.83)**

**CENTERLINE CURVE DATA**

Δ	D	R	T	L
40°27'40"	57.29583'	100.00'	44.60'	140.43'
40°31'21"	28.59861'	73.95'	21.95'	141.69'
145°36'21"	47.74639'	120.00'	38.73'	304.95'
34°48'36"	24.18528'	236.90'	74.26'	143.93'
34°48'36"	23.94778'	239.25'	145.36'	75.00'

- CENTERLINE INTERSECTIONS**
- STA. 4+20.97 LINCOLNSHIRE BOULEVARD = STA. 7+74.21 LINDOX LANE
  - STA. 7+20.95 LINCOLNSHIRE BOULEVARD = STA. 5+99.69 CHINA LANE
  - STA. 10+25.95 LINCOLNSHIRE BOULEVARD = STA. 4+27.47 TRINITY LANE
  - STA. 11+55.82 LINCOLNSHIRE BOULEVARD = STA. 1+00 OLD SQUARE COURT



**H D LANG AND ASSOCIATES, INC.**

POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236

601-362-4886

PROJECT  
**BLACKTHORNE I (HAWTHORN GREEN - PART 4A)**

DESCRIPTION  
**PLAN AND PROFILE LINCOLNSHIRE BOULEVARD (STA. 1+00 TO STA. 16+26.83)**

DATE	REVISION	BY	DRAWN BY:	SHEET
05-09-03	REVISED PER RIDGELAND	CLS	CLS	7
10-20-03	REVISED FINISH GRADES	CLS	HORIZ.: 1"=50' / VERT.: 1"=5'	
04-06-04	RECORD DRAWINGS	JOT	BOOK: PAGE:	
04-21-04	REVISED STREET NAME/LOT 36	JOT	PROJECT NO.: 03-001	

**SANITARY SEWER STRUCTURE SCHEDULE**

MANHOLE NO. 18  
20' RT STA. 2+45.20

MANHOLE NO. 19  
20' RT STA. 1+00

MANHOLE NO. 23  
20' RT STA. 4+98.50

MANHOLE NO. 24  
20' RT STA. 3+87.40

**DRAINAGE STRUCTURE SCHEDULE**

CURB INLET 10	DBL CURB INLET 11	CURB INLET 11A	CURB INLET 11B
15.7' LT OF STA. 3+51.38 D.A. = 0.43oc Σ D.A. = 1.90oc TC = 7.5 I = 9.71 Q = 13.8	15.7' RT OF STA. 3+51.38 D.A. = 1.15oc Σ D.A. = 1.15oc TC = 7.3 I = 9.81 Q = 8.5	15.7' LT OF STA. 1+30.73 D.A. = 0.32oc Σ D.A. = 0.32oc TC = 5.9 I = 10.57 Q = 2.5	15.7' LT OF STA. 1+37.25 D.A. = 0.20oc Σ D.A. = 0.20oc TC = 5.7 I = 10.67 Q = 1.6

**CENTERLINE CURVE DATA**

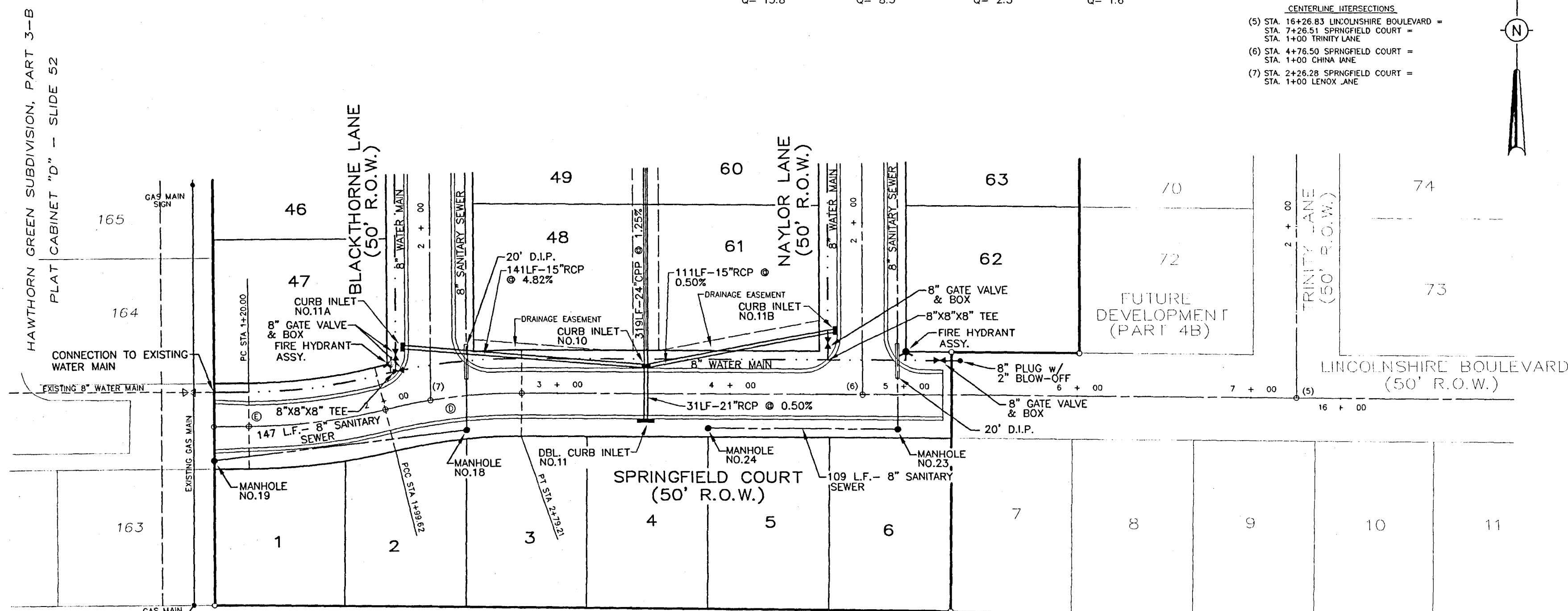
⊙ Δ = 34°48'34" ⊙ Δ = 34°48'34"  
 R = 120.00' R = 120.00'  
 T = 382.73' T = 382.73'  
 L = 304.96' L = 304.96'

**CENTERLINE INTERSECTIONS**

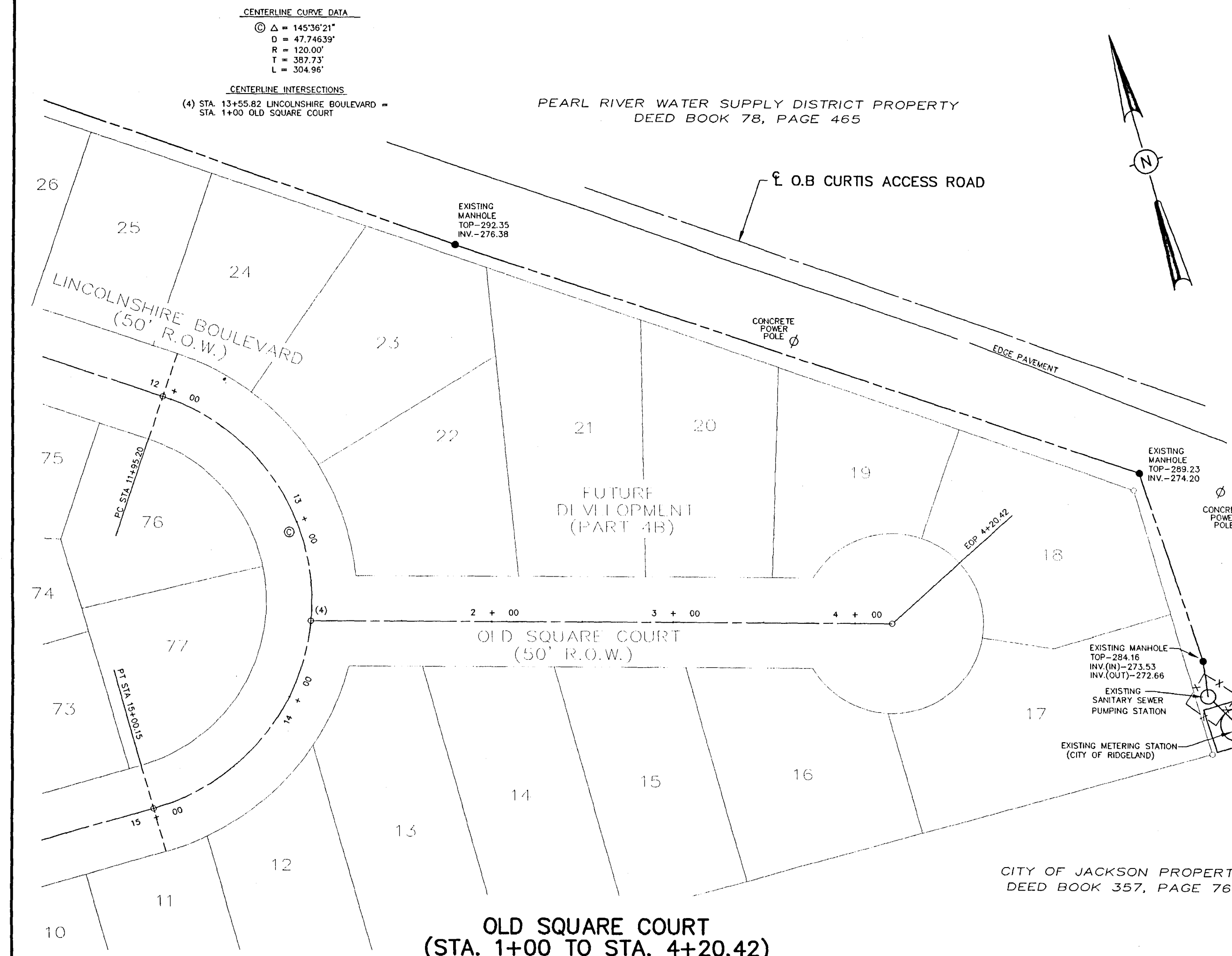
(5) STA. 16+26.83 LINCOLNSHIRE BOULEVARD =  
 STA. 7+26.51 SPRINGFIELD COURT =  
 STA. 1+00 TRINITY LANE

(6) STA. 4+76.50 SPRINGFIELD COURT =  
 STA. 1+00 CHINA LANE

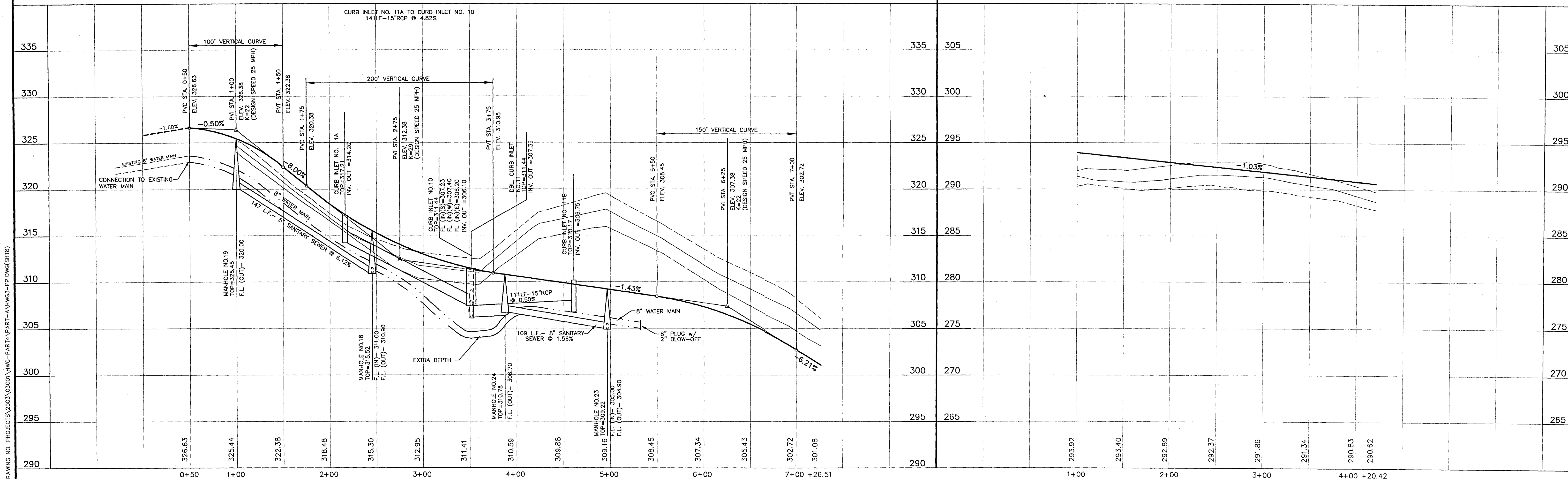
(7) STA. 2+28.28 SPRINGFIELD COURT =  
 STA. 1+00 LENOX LANE



**SPRINGFIELD COURT  
(STA. 1+00 TO STA. 7+26.51)**



**OLD SQUARE COURT  
(STA. 1+00 TO STA. 4+20.42)**



DRAWING NO. PROJECT'S 2003 03001 VHWG-PART A-VHWG3-PP.DWG(SHT8)

**H D LANG AND ASSOCIATES, INC.**  
 POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236  
 601-362-4886

PROJECT  
**BLACKTHORNE I  
(HAWTHORN GREEN - PART 4A)**

DESCRIPTION  
**PLAN AND PROFILE  
 SPRINGFIELD COURT  
(STA. 1+00 TO STA. 7+26.51)  
 OLD SQUARE COURT  
(STA. 1+00 TO STA. 4+20.42)**

DATE	REVISION	BY	DRAWN BY: CLS
05-09-03	REVISED PER RIDGELAND	CLS	DATE: 04-08-03
07-18-03	REVISED FINISH GRADE	CLS	HORIZ.: 1"=50' / VERT.: 1"=5'
04-06-04	RECORD DRAWINGS	JOT	BOOK: PAGE:
04-21-04	REVISED STREET NAME	JOT	PROJECT NO.: 03-001
5-12-04	REVISE AS-BUILTS	D.L.M	

SHEET  
**8**

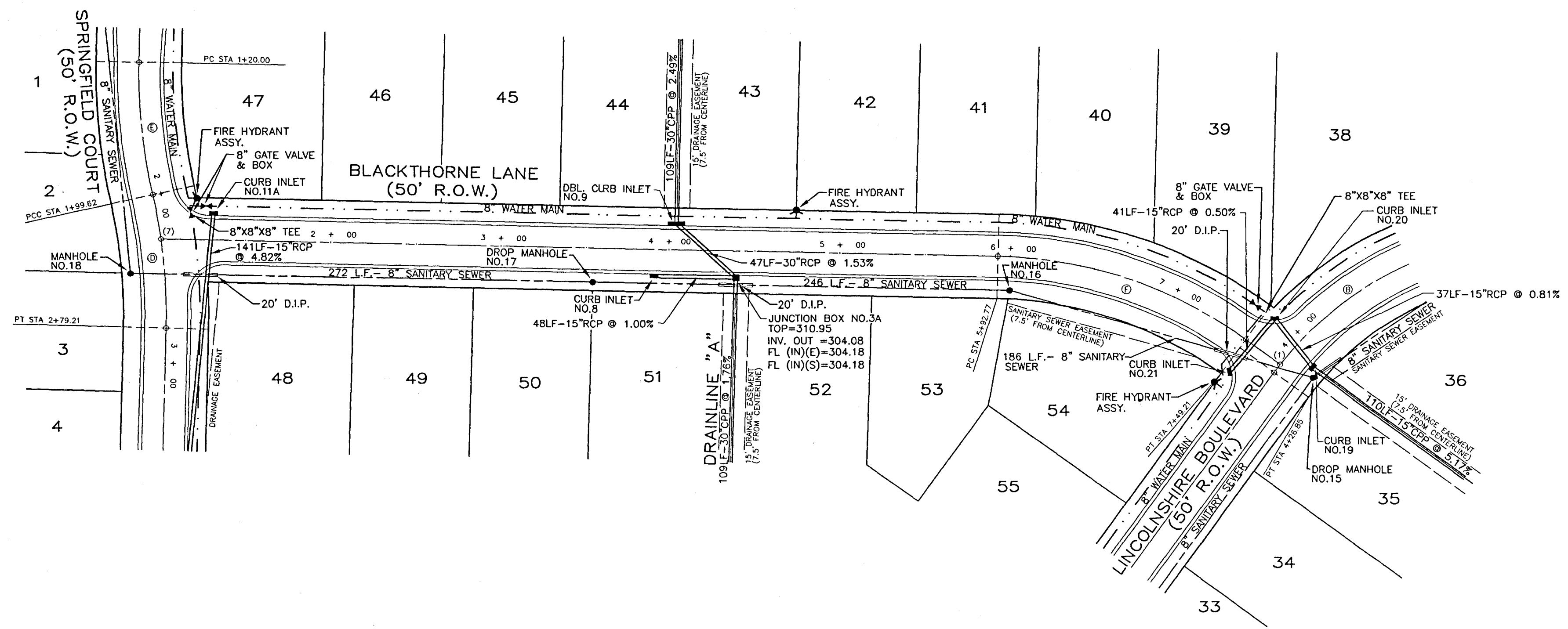


**SANITARY SEWER STRUCTURE SCHEDULE**

DROP MANHOLE NO. 15 20' LT STA. 4+14.81	MANHOLE NO. 16 20' RT STA. 6+00.59
DROP MANHOLE NO. 17 20' RT STA. 3+54.19	MANHOLE NO. 18 20' RT STA. 2+45.20

**DRAINAGE STRUCTURE SCHEDULE**

CURB INLET 8 15.7' RT OF STA. 4+39.22 D.A. = 0.680c Σ D.A. = 2.250c TC = 8.5 I = 9.26 Q = 54.7	DBL CURB INLET 9 15.7' LT OF STA. 4+04.04 D.A. = 0.820c Σ D.A. = 1.570c TC = 8.3 I = 9.35 Q = 50.1	CURB INLET 11A 15.7' LT OF STA. 1+30.73 D.A. = 0.320c Σ D.A. = 0.320c TC = 5.9 I = 10.55 Q = 2.5	CURB INLET 19 15.7' LT OF STA. 4+09.65 D.A. = 0.550c Σ D.A. = 1.320c TC = 11.0 I = 8.32 Q = 8.2	CURB INLET 20 20.3' RT OF STA. 4+03.08 D.A. = 0.270c Σ D.A. = 0.770c TC = 10.6 I = 8.46 Q = 4.9	CURB INLET 21 21.5' RT OF STA. 4+42.07 D.A. = 0.500c Σ D.A. = 0.500c TC = 10.0 I = 8.67 Q = 3.3
---	---	---	--	--	--



N

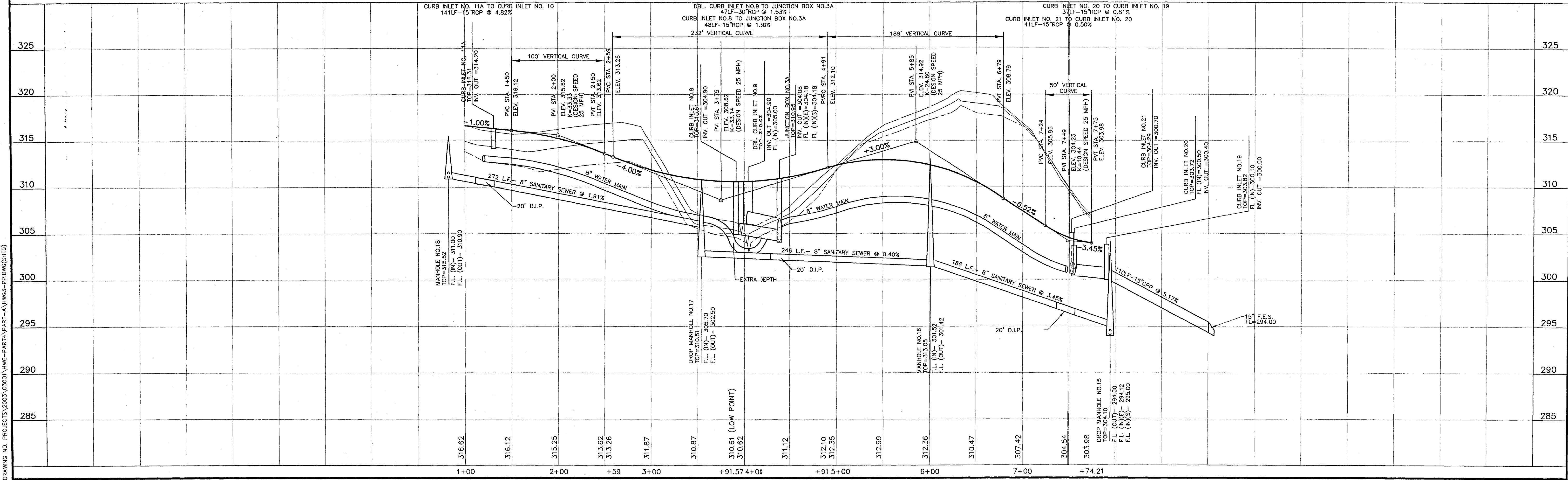
CENTERLINE CURVE DATA

① Δ = 40°31'12"	② Δ = 14°07'23"	③ Δ = 13°39'52"
D = 28.59681'	D = 17.74361'	D = 17.16194'
R = 200.34'	R = 325.91'	R = 333.85'
T = 73.95'	T = 40.00'	T = 40.00'
L = 141.69'	L = 78.99'	L = 79.62'

CENTERLINE INTERSECTIONS

(1) STA. 4+20.97 LINCOLNSHIRE BOULEVARD = STA. 7+74.21 LENOX LANE  
 (2) STA. 4+26.28 SPRINGFIELD COURT = STA. 1+00 LENOX LANE

**BLACKTHORNE LANE  
(STA. 1+00 TO STA. 7+74.21)**



DRAWING NO. PROJECTS\2003\03001\HWG-PART-A\HWG-PP-DWG(S179)

**H D LANG AND ASSOCIATES, INC.**

POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236  
601-362-4886

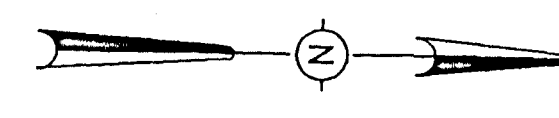
PROJECT  
**BLACKTHORNE I  
(HAWTHORN GREEN - PART 4A)**

DESCRIPTION  
**PLAN AND PROFILE  
LENOX LANE  
(STA. 1+00 TO STA. 7+74.21)**

DATE	REVISION	BY
05-09-03	REVISED PER RIDGELAND	CLS
06-24-03	REVISED PER RIDGELAND (SITE-DIST.)	CLS
10-20-03	REVISED FINISH GRADES	CLS
01-20-04	RECORD DRAWINGS	JOT
01-20-04	REVISED STREET NAME	JOT
5-12-04	REVISE AS-BUILTS	D.L.M.

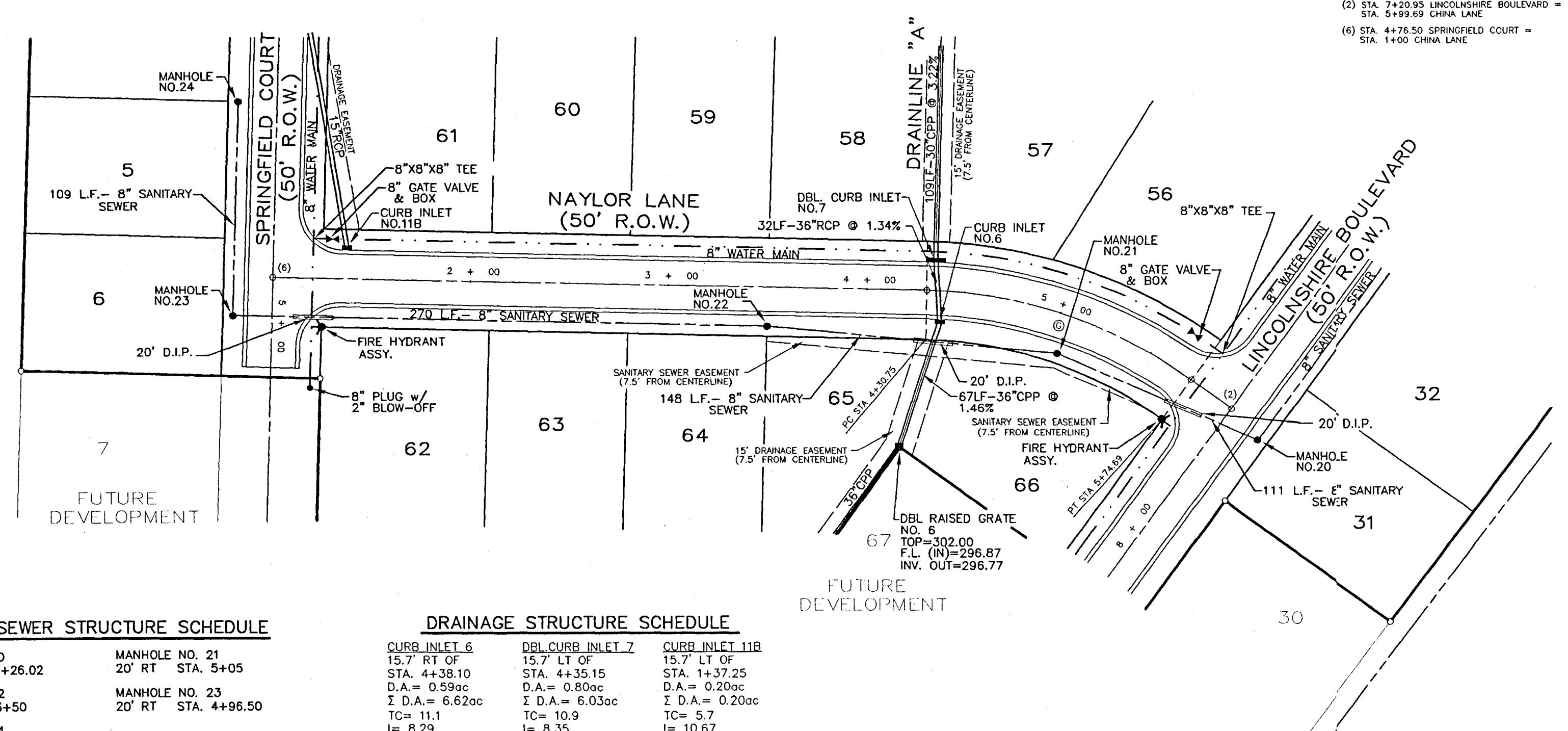
DRAWN BY: CLS  
DATE: 04-10-04  
HORIZ.: 1"=50' / VERT.: 1"=5'  
BOOK: PAGE:  
PROJECT NO.: 03-001

SHEET  
**9**



CENTERLINE CURVE DATA  
 @ Δ = 34°48'36"  
 D = 241852.0'  
 P = 236.90'  
 T = 74.26'  
 L = 143.93'

CENTERLINE INTERSECTIONS  
 (2) STA. 7+20.95 LINCOLNSHIRE BOULEVARD = STA. 5+99.69 CHINA LANE  
 (6) STA. 4+76.50 SPRINGFIELD COURT = STA. 1+00 CHINA LANE



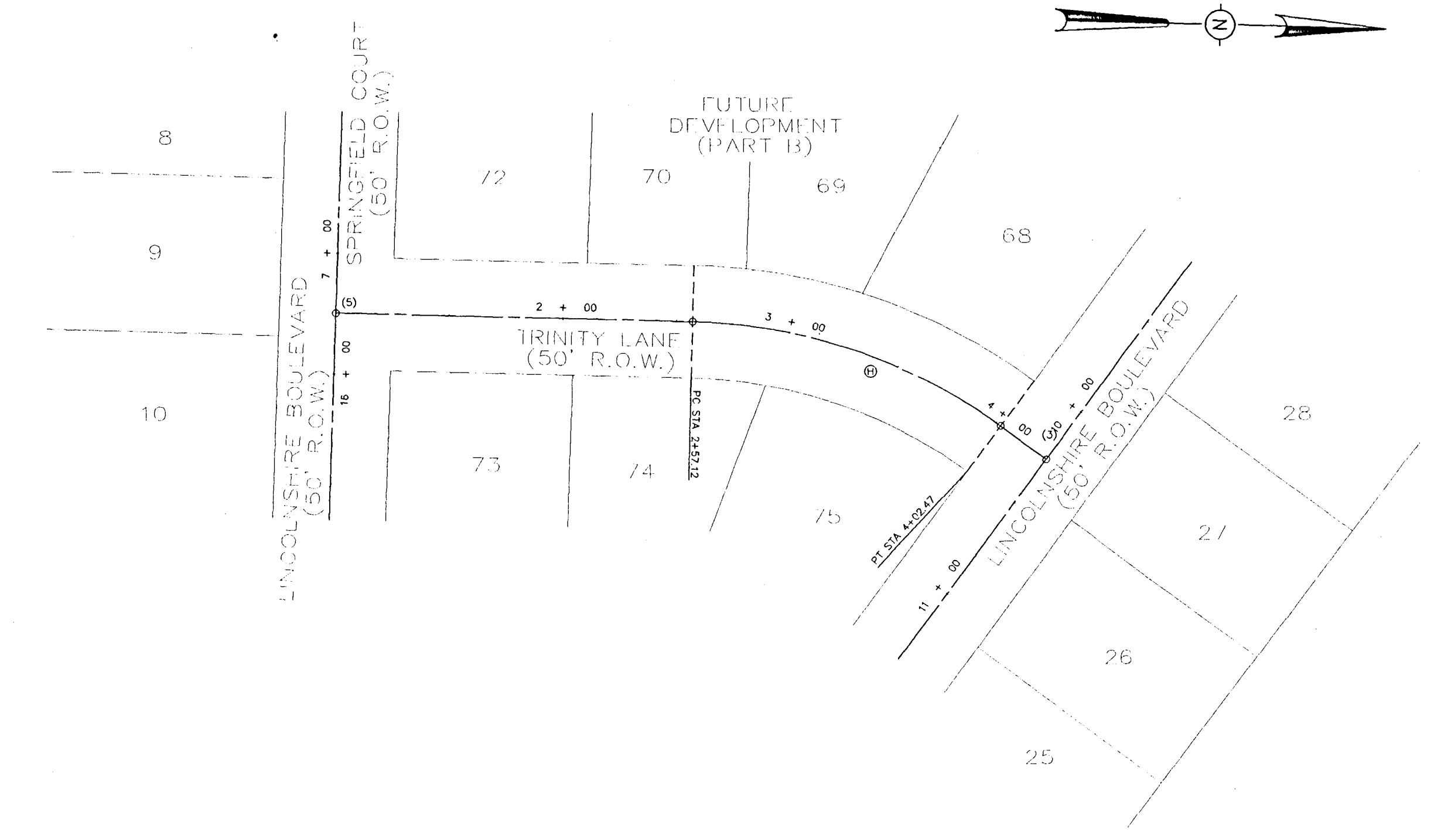
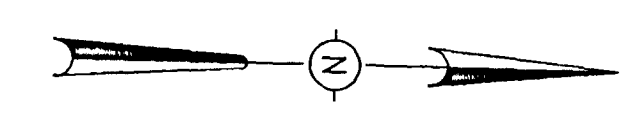
**SANITARY SEWER STRUCTURE SCHEDULE**

MANHOLE NO. 20 20' LT STA. 7+26.02	MANHOLE NO. 21 20' RT STA. 5+05
MANHOLE NO. 22 20' RT STA. 3+50	MANHOLE NO. 23 20' RT STA. 4+96.50
MANHOLE NO. 24 20' RT STA. 3+87.40	

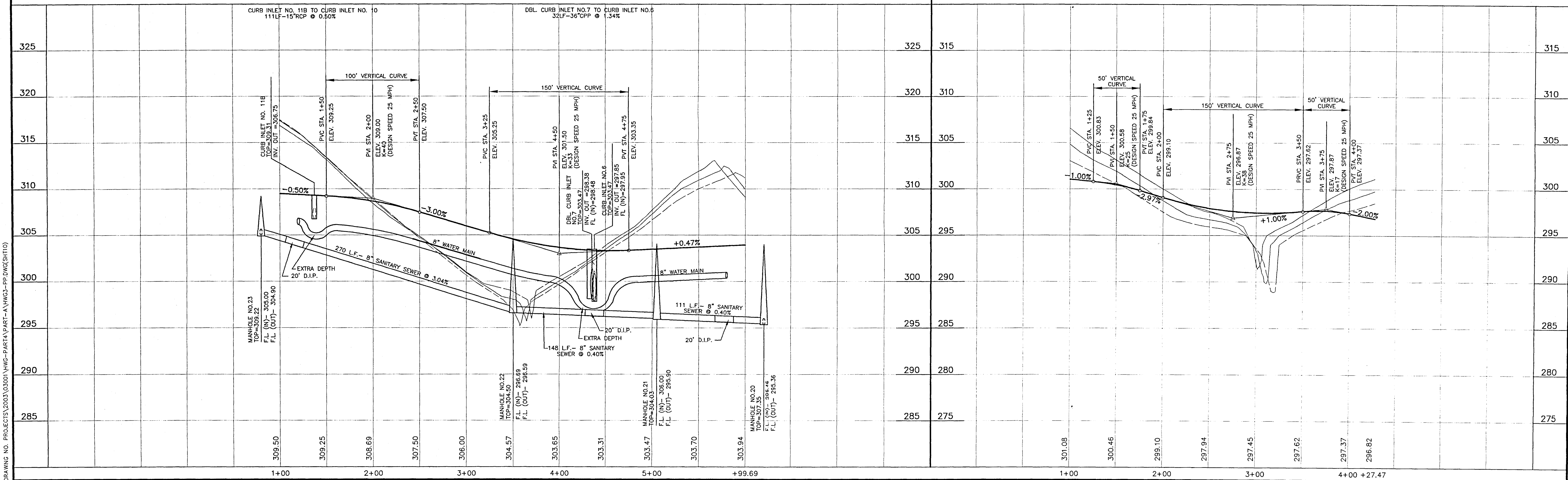
**DRAINAGE STRUCTURE SCHEDULE**

CURB INLET 6 15.7' RT OF STA. 4+38.10 D.A. = 0.590c I.D.A. = 6.620c TC = 11.1 I = 8.29 O = 80.2	DBL CURB INLET 7 15.7' LT OF STA. 4+35.15 D.A. = 0.800c I.D.A. = 6.030c TC = 5.7 I = 8.35 O = 76.9	CURB INLET 11B 15.7' LT OF STA. 1+37.25 D.A. = 0.200c I.D.A. = 0.200c TC = 5.7 I = 10.67 O = 1.6
--	---	---

PLAN AND PROFILE  
 NAYLOR LANE (STA. 1+00 TO STA. 5+99.69)



PLAN AND PROFILE  
 TRINITY LANE (STA. 1+00 TO STA. 4+27.47)



DRAWING NO. PROJECT'S\0303\0301\HWIG-PART 4\PART-A\HWIG3-PP.DWG(SHT10)

**H D LANG AND ASSOCIATES, INC.**

POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236

601-362-4896

PROJECT  
**BLACKTHORNE I**  
 (HAWTHORN GREEN - PART 4A)

DESCRIPTION  
**PLAN AND PROFILE**  
 CHINA LANE (STA. 1+00 TO STA. 5+99.69)  
 TRINITY LANE (STA. 1+00 TO STA. 4+27.47)

DATE	REVISION	BY	DRAWN BY:
05-09-03	REVISED PER RIDGELAND	CLS	CLS
06-24-03	REVISED PER RIDGELAND (SITE-DIST.)	CLS	CLS
10-20-03	REVISED FINISH GRADES	CLS	CLS
04-06-04	RECORD DRAWINGS	JOT	JOT
04-21-04	REVISED STREET NAME	JOT	JOT

DATE: 04-10-04  
 HORIZ.: 1"=50' / VERT.: 1"=5'  
 BOOK: PAGE:  
 PROJECT NO.: 03-001

SHEET

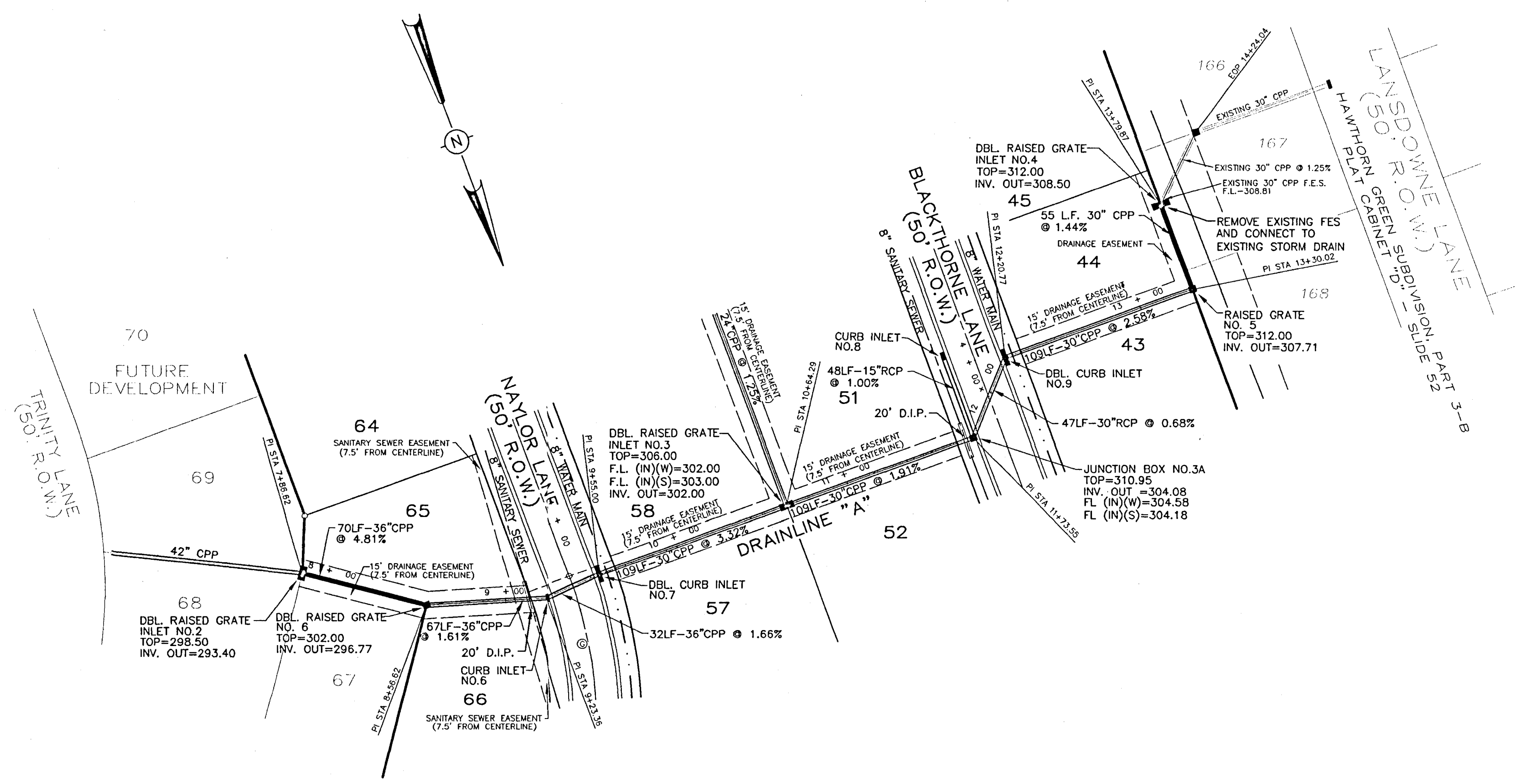
**10**



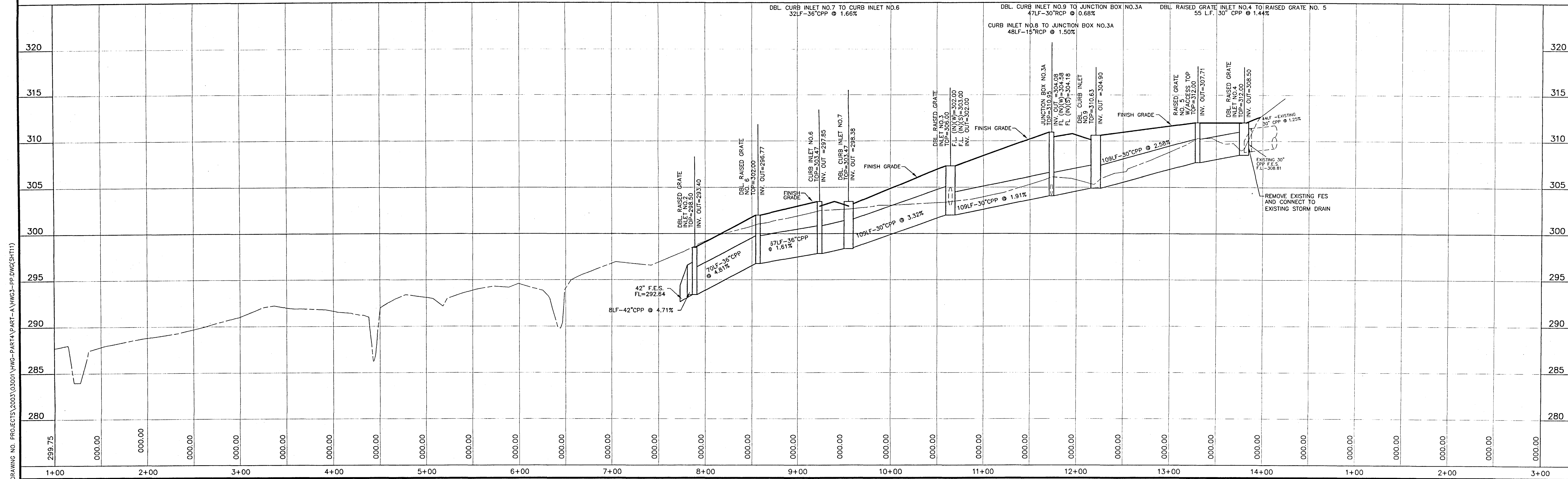
**DRAINAGE STRUCTURE SCHEDULE**

CURB INLET 6	DBL CURB INLET 7	CURB INLET 8	DBL CURB INLET 9
15.7' RT OF	15.7' LT OF	15.7' RT OF	15.7' LT OF
STA. 4+38.10	STA. 4+35.15	STA. 4+39.22	STA. 4+04.04
D.A. = 0.59oc	D.A. = 0.80oc	D.A. = 0.68oc	D.A. = 0.82oc
Σ D.A. = 6.62oc	Σ D.A. = 6.03oc	Σ D.A. = 2.25oc	Σ D.A. = 1.57oc
TC = 11.1	TC = 10.9	TC = 8.5	TC = 8.3
I = 8.29	I = 8.35	I = 9.26	I = 9.35
Q = 80.2	Q = 76.9	Q = 54.7	Q = 50.1

DBL RAISED GRATE INLET NO. 2	DBL RAISED GRATE INLET NO. 3	DBL RAISED GRATE INLET NO. 4
125.0' RT OF	125.0' RT OF	125.0' LT OF
STA. 9+05.94	STA. 4+38.43	STA. 3+54.19
D.A. = 0.84oc	D.A. = 1.0oc	D.A. = 0.75oc
Σ D.A. = 7.46oc	Σ D.A. = 5.23oc	Σ D.A. = 0.75oc
TC = 11.8	TC = 10.1	TC = 6.5
I = 8.06	I = 8.63	I = 10.22
Q = 84.2	Q = 73.0	Q = 44.8



**DRAINLINE "A"**  
(STA. 1+00 TO STA. 14+24.04)



DRAWING NO. PROJECTS\2003\0300\WWS-PART4\PART-A\WWS-PP-DWG(SHT11)

**H D LANG AND ASSOCIATES, INC.**

POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236

601-362-4888

PROJECT

**BLACKTHORNE I**  
(HAWTHORN GREEN - PART 4A)

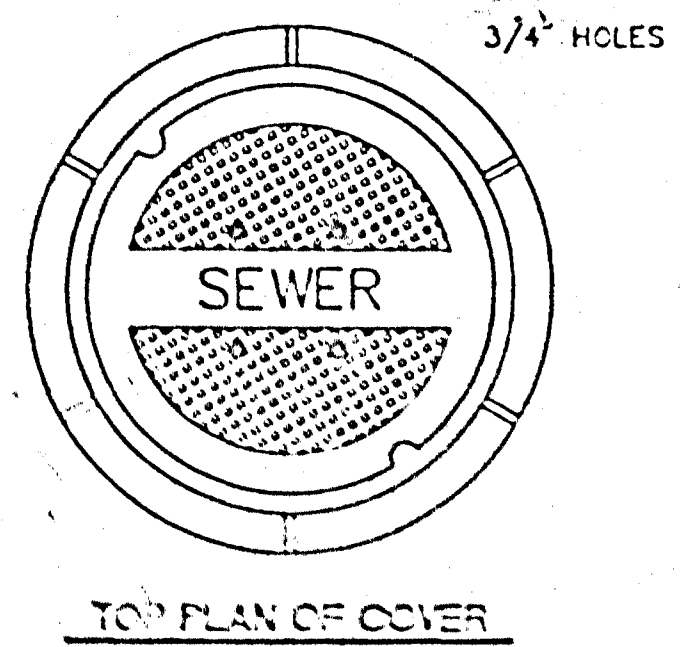
DESCRIPTION

**PLAN AND PROFILE**  
**DRAINLINE "A"**  
(STA. 7+75 TO STA. 14+24.04)

DATE	REVISION	BY	DRAWN BY: CLS
06-24-03	REVISED PER RIDGELAND (SITE-DIST.)	CLS	DATE: 04-10-03
04-06-04	RECORD DRAWINGS	JOT	HORIZ.: 1"=50' / VERT.: 1"=5'
04-21-04	REVISED STREET NAME	JOT	BOOK: PAGE:
5-12-04	REVISE AS-BUILTS	D.L.M.	PROJECT NO.: 03-001

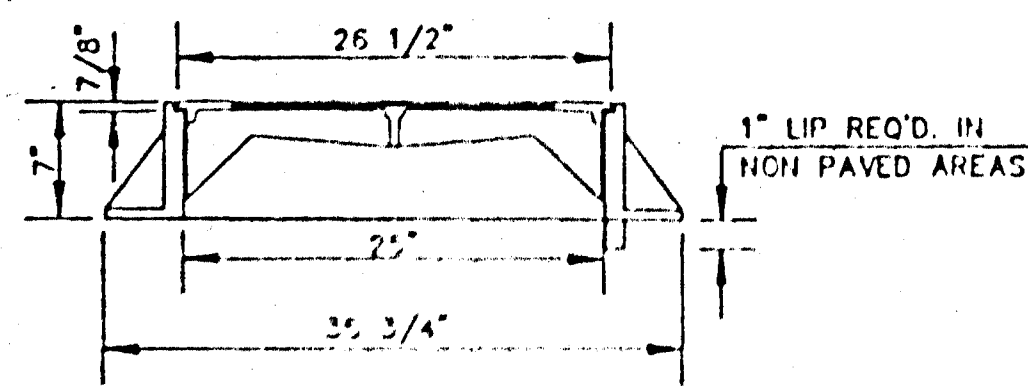
SHEET

**11**



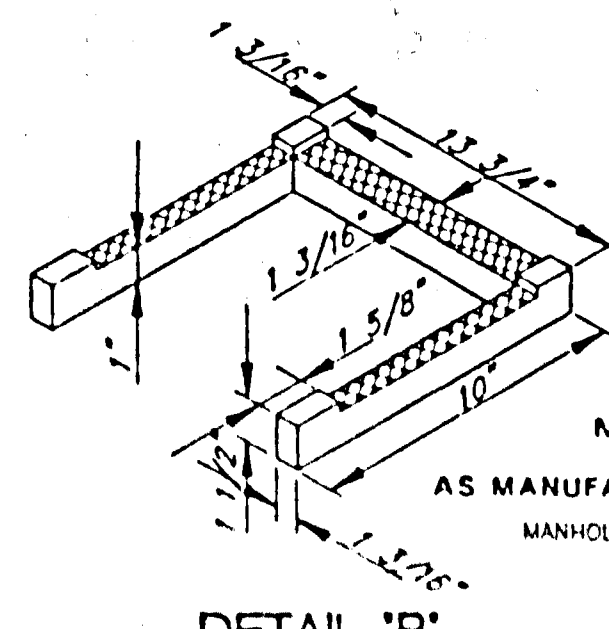
3/4" HOLES

TOP PLAN OF COVER



SECTION I

FRAME & COVER WEIGHT 400 LBS.

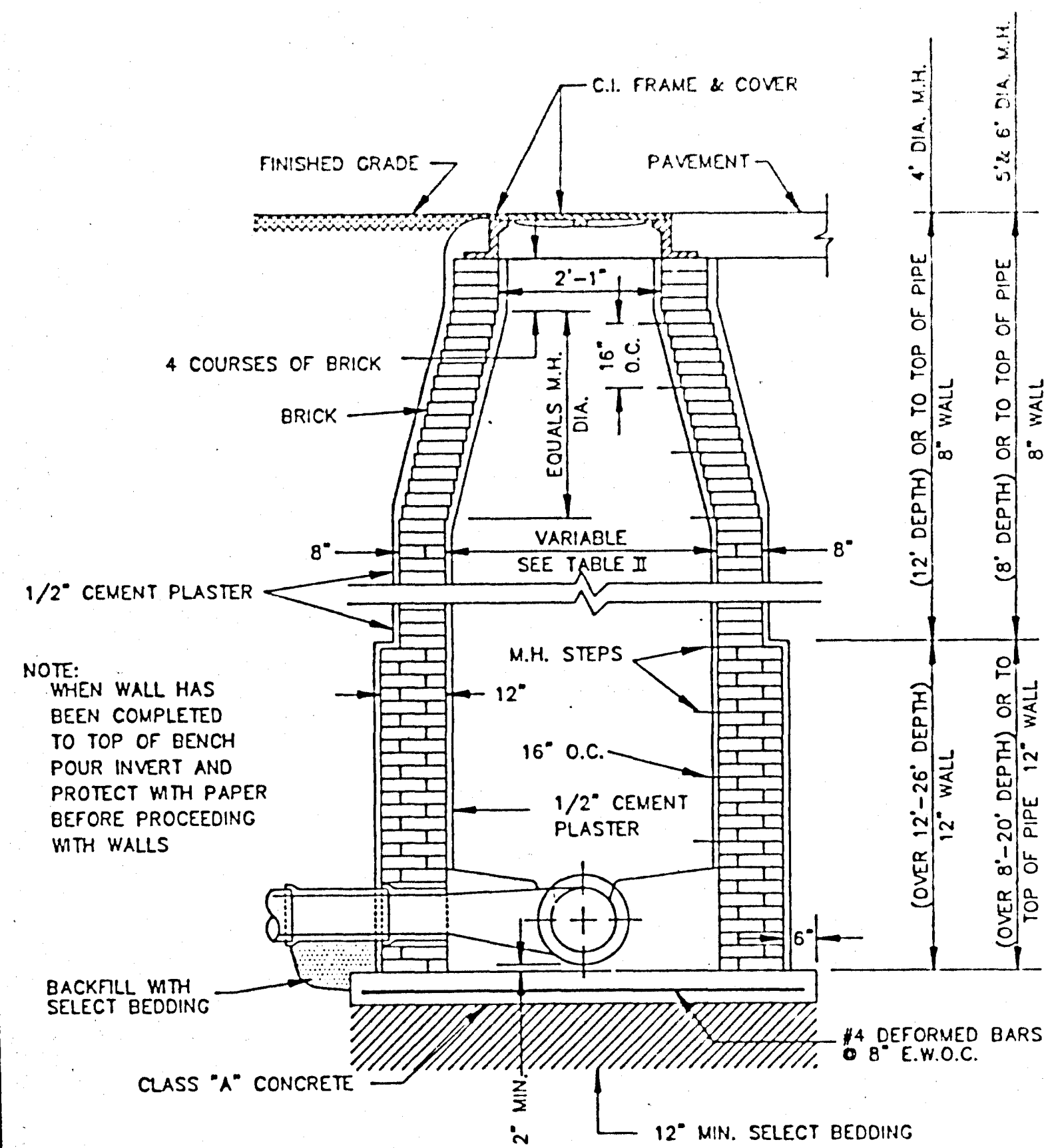


DETAIL 'B'

MODEL NO. PS2 - PF  
AS MANUFACTURED BY M.A. INDUSTRIES INC.  
MANHOLE STEPS TO BE RUBBER COATED.

**STANDARD MANHOLE FRAME AND COVER**

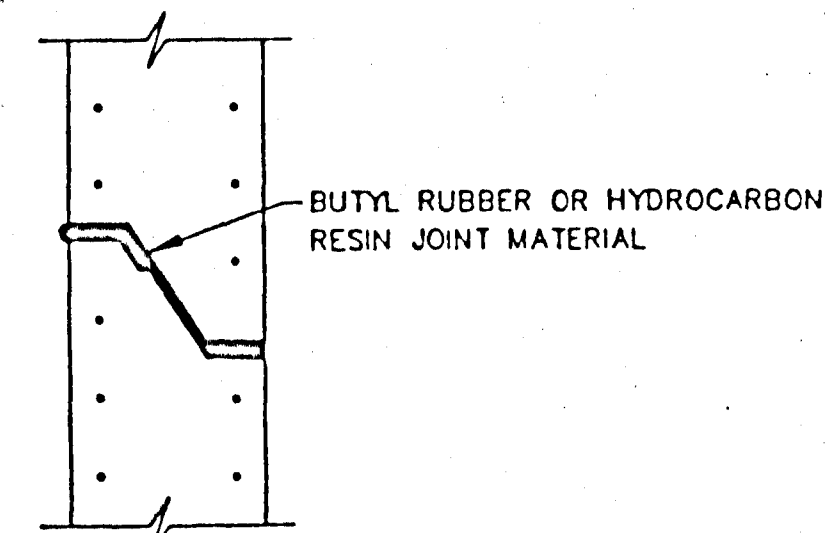
N.T.S.



NOTE:  
WHEN WALL HAS BEEN COMPLETED TO TOP OF BENCH POUR INVERT AND PROTECT WITH PAPER BEFORE PROCEEDING WITH WALLS

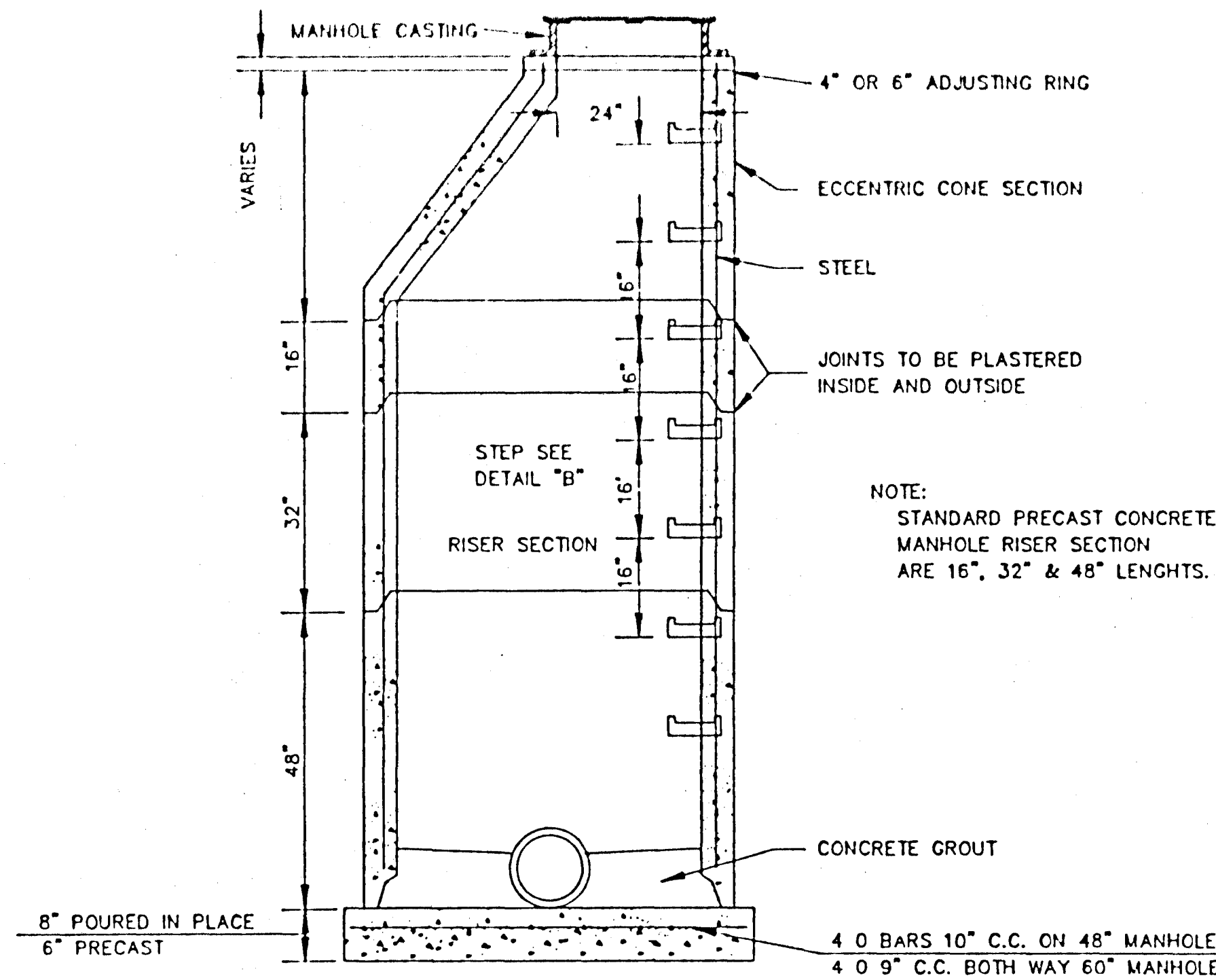
**STANDARD BRICK MANHOLE**

N.T.S.



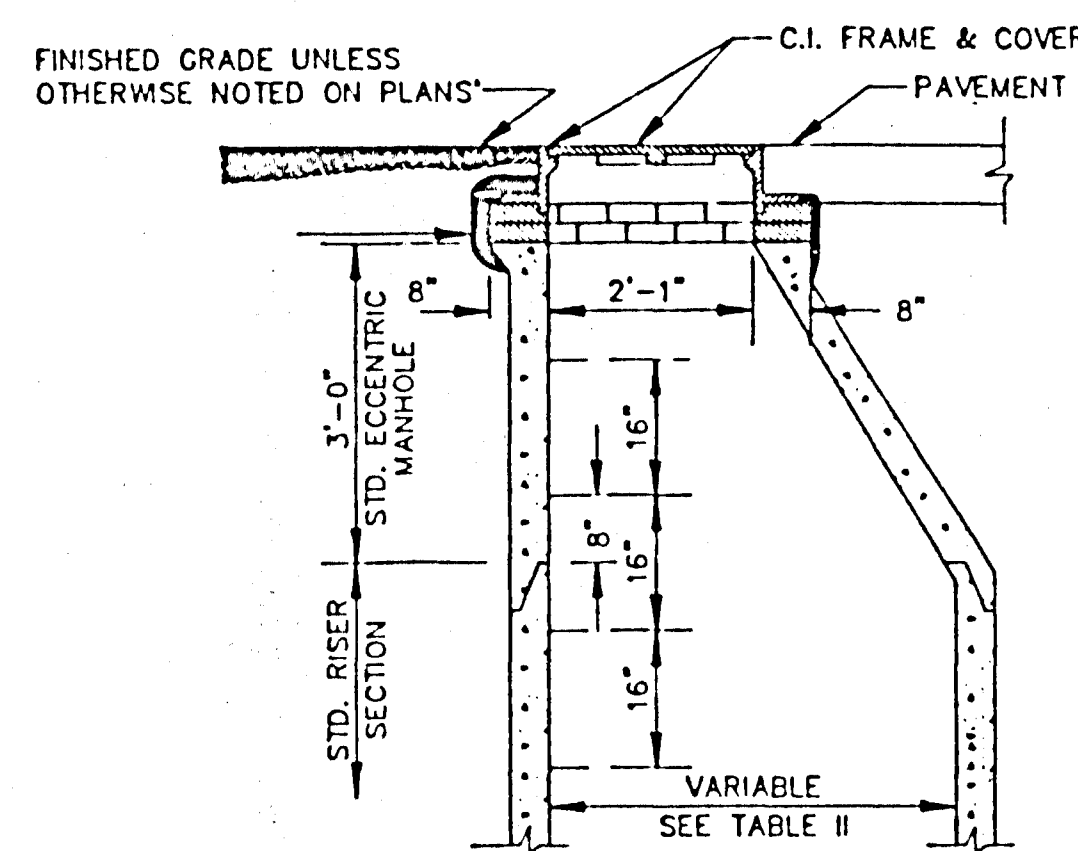
TYPICAL PRECAST CONCRETE MANHOLE JOINT DETAIL

N.T.S.



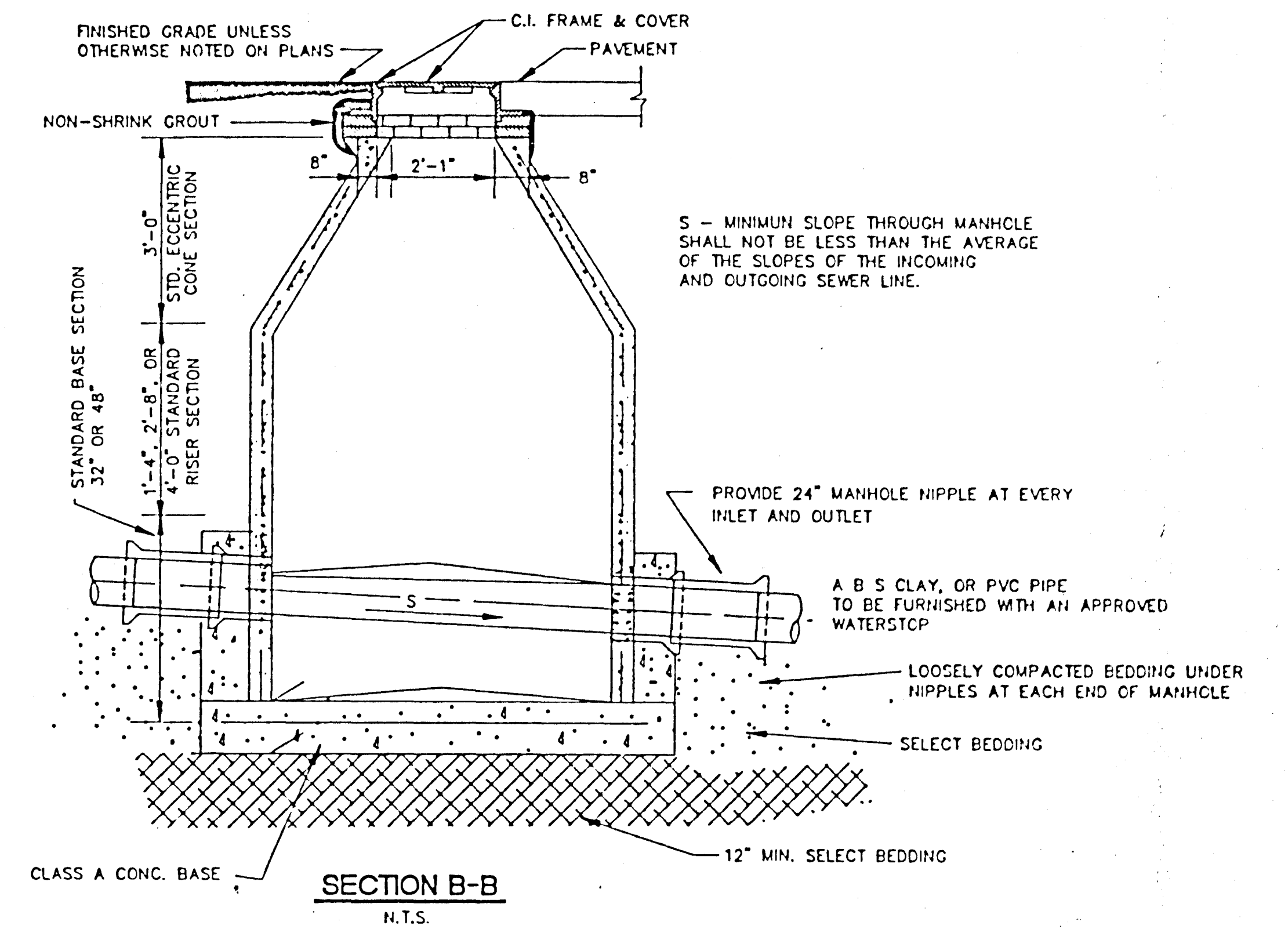
SECTION OF PRECAST CONCRETE MANHOLE

N.T.S.



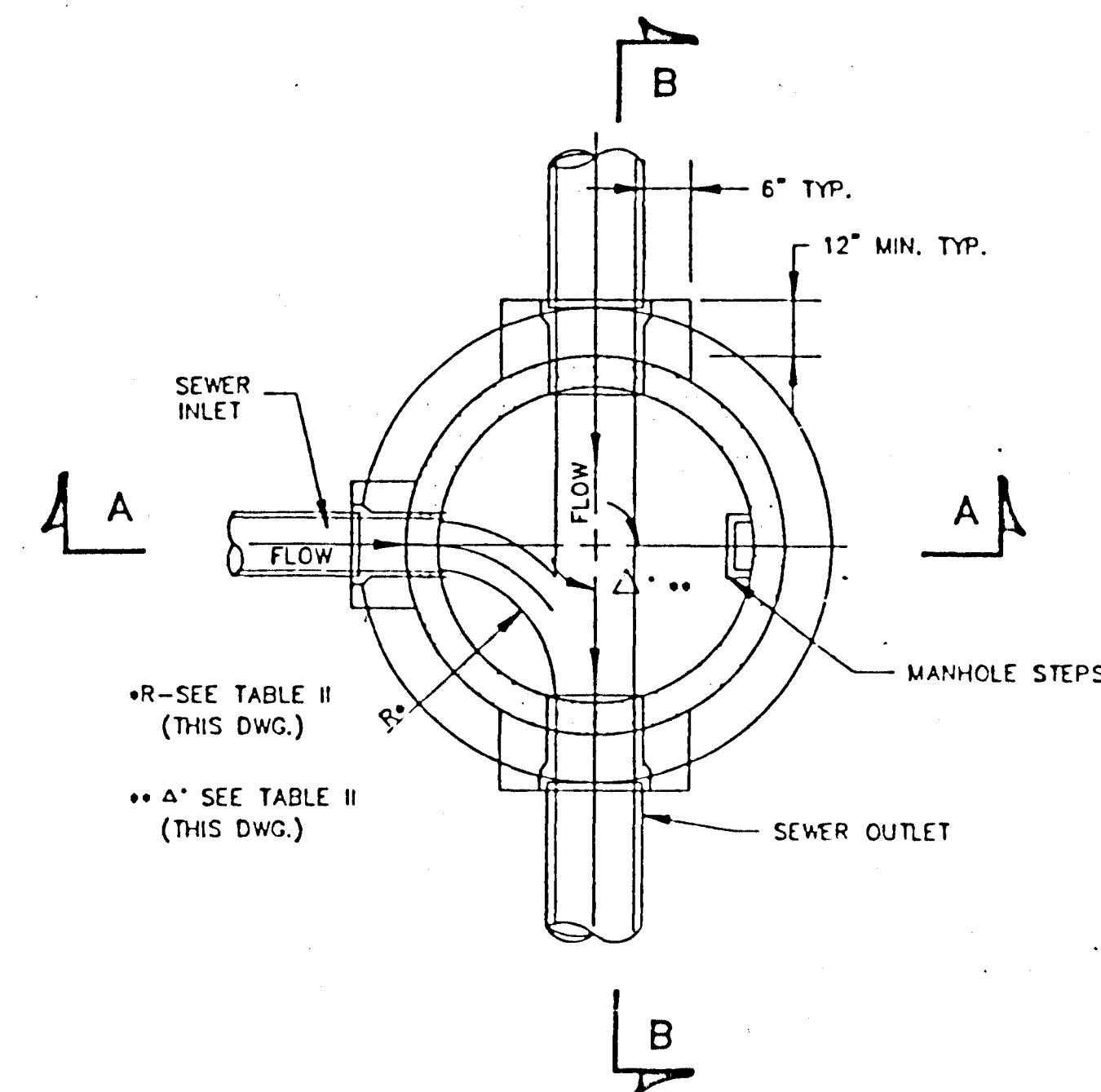
STANDARD ECCENTRIC CONE FOR ALL DIAMETER MANHOLES

N.T.S.



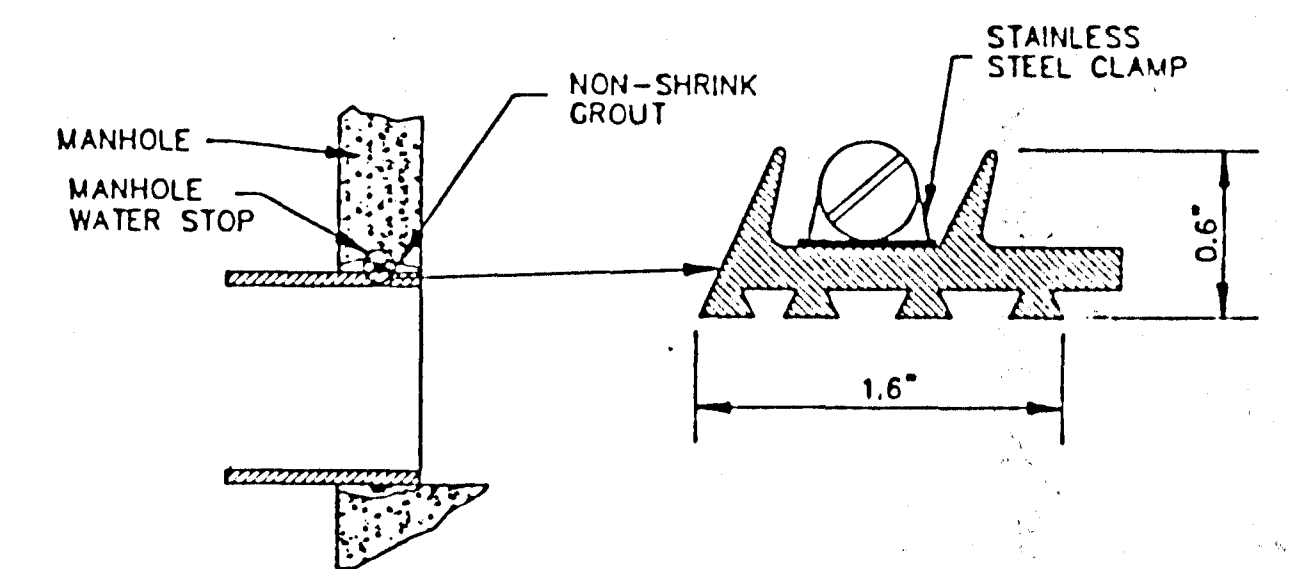
SECTION B-B

N.T.S.



SECTIONAL PLAN STANDARD MANHOLE

N.T.S.



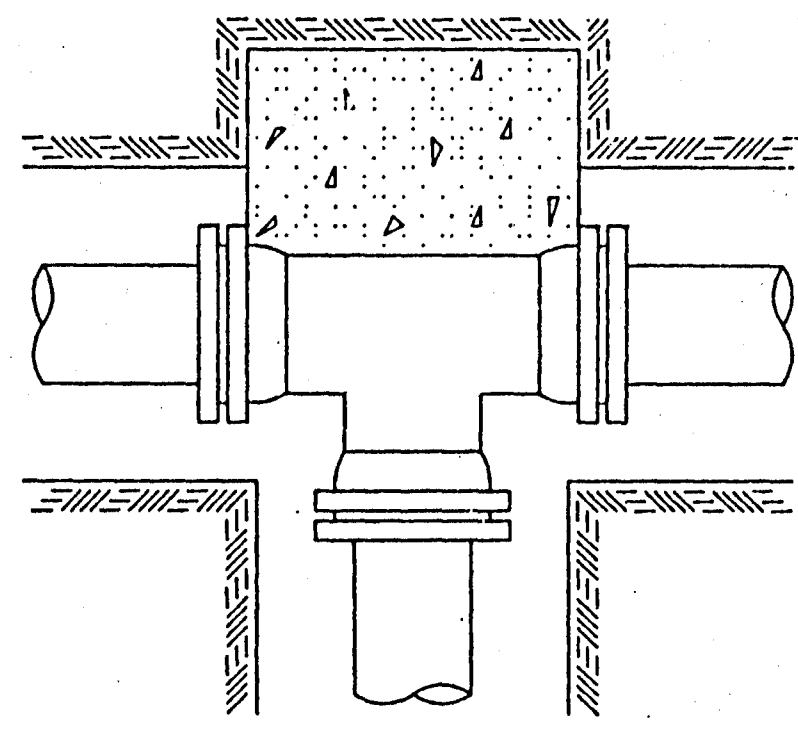
TYPICAL MANHOLE WATER STOP FOR ABS, CLAY OR PVC PIPE EXISTING AND "STRADDLE" MANHOLES N.T.S.

CITY OF RIDGELAND, MS.

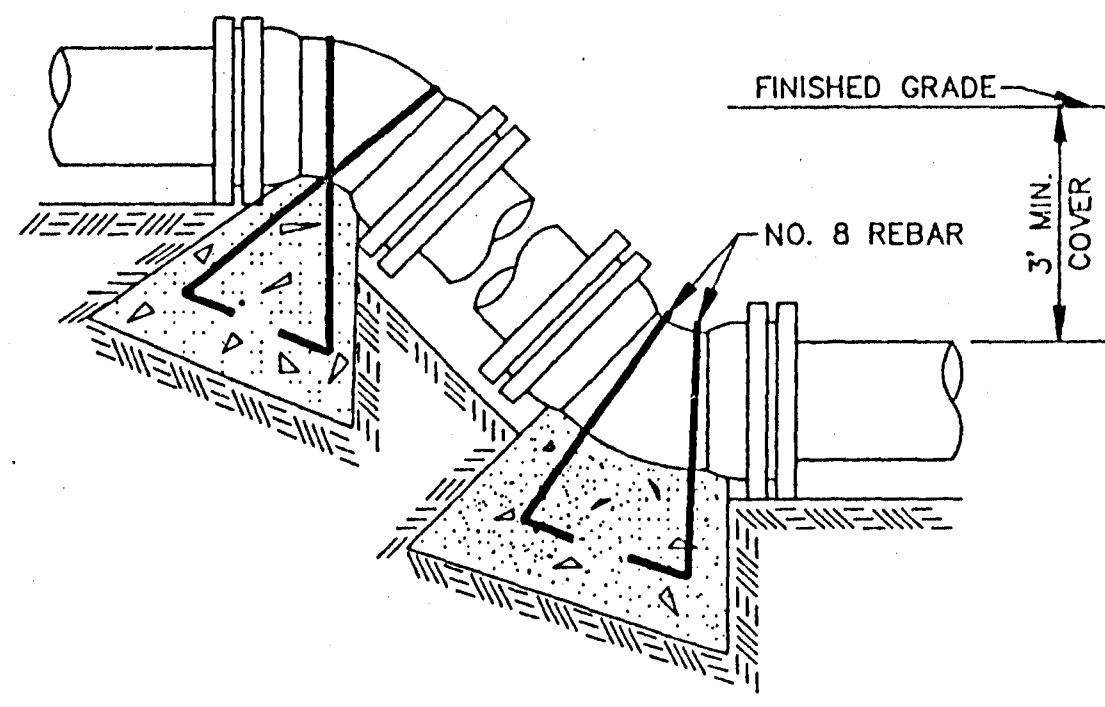
**STANDARD DETAILS**

DSGN			DRAWING NO.
DRWN			/
CHKD.			CF
SCALE			

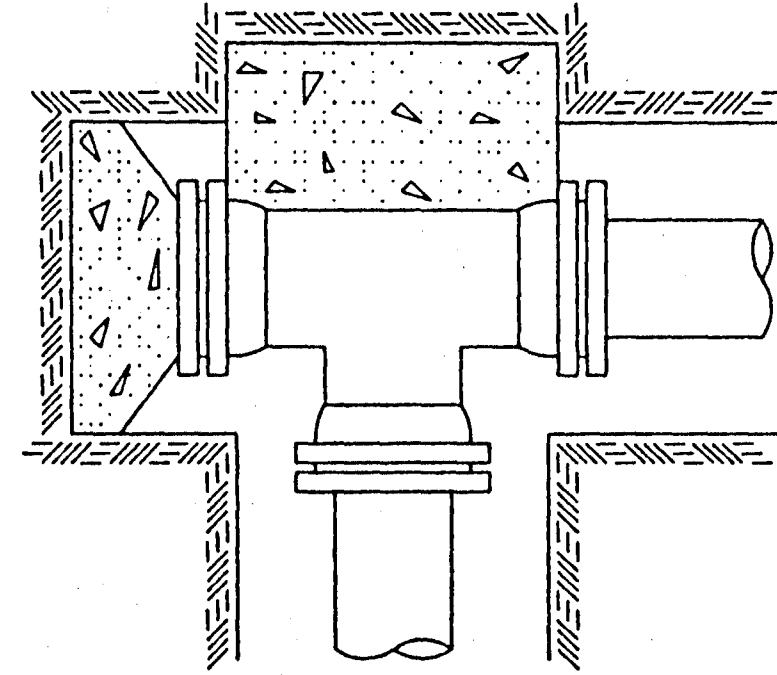




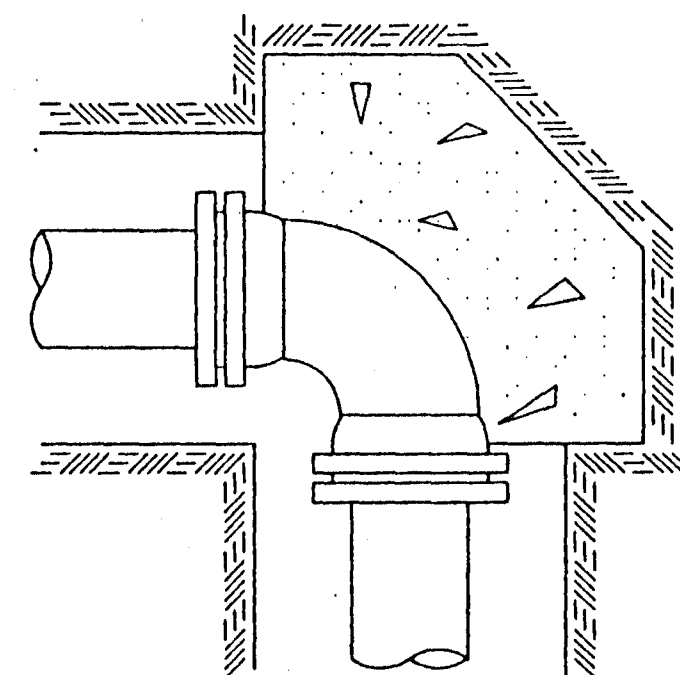
TEE



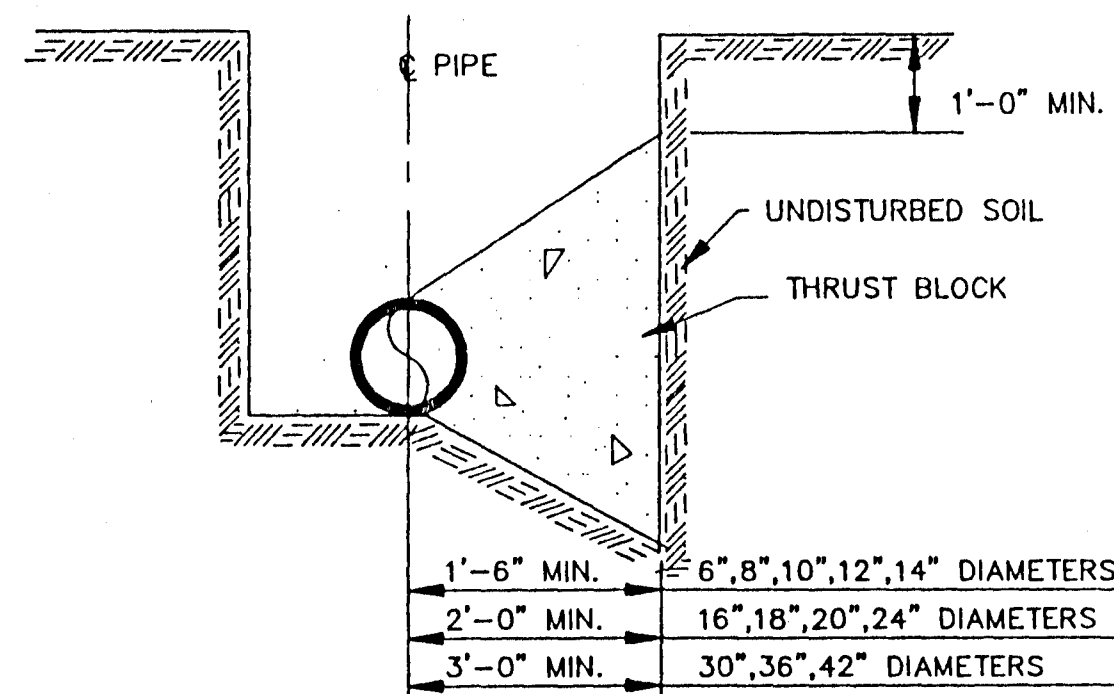
VERTICAL BENDS



PLUGGED TEE



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

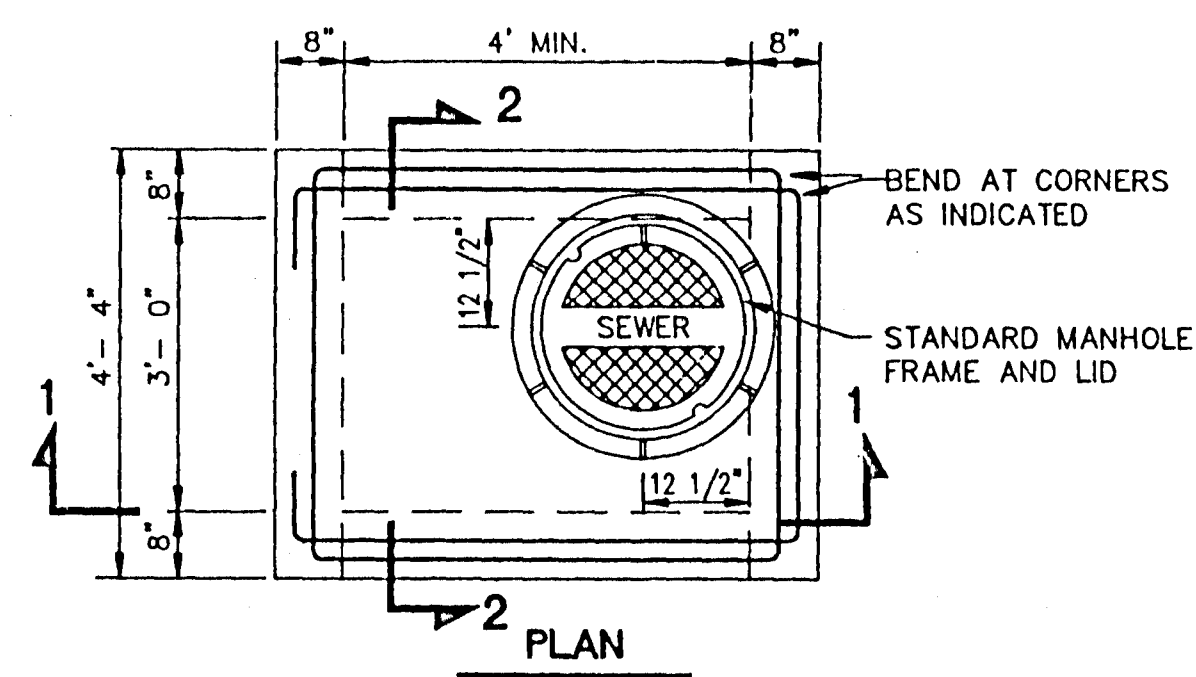
BEARING AREA IN SQ. FT.

NOMINAL PIPE DIAMETER (IN)	DEAD-END OR TEE					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)

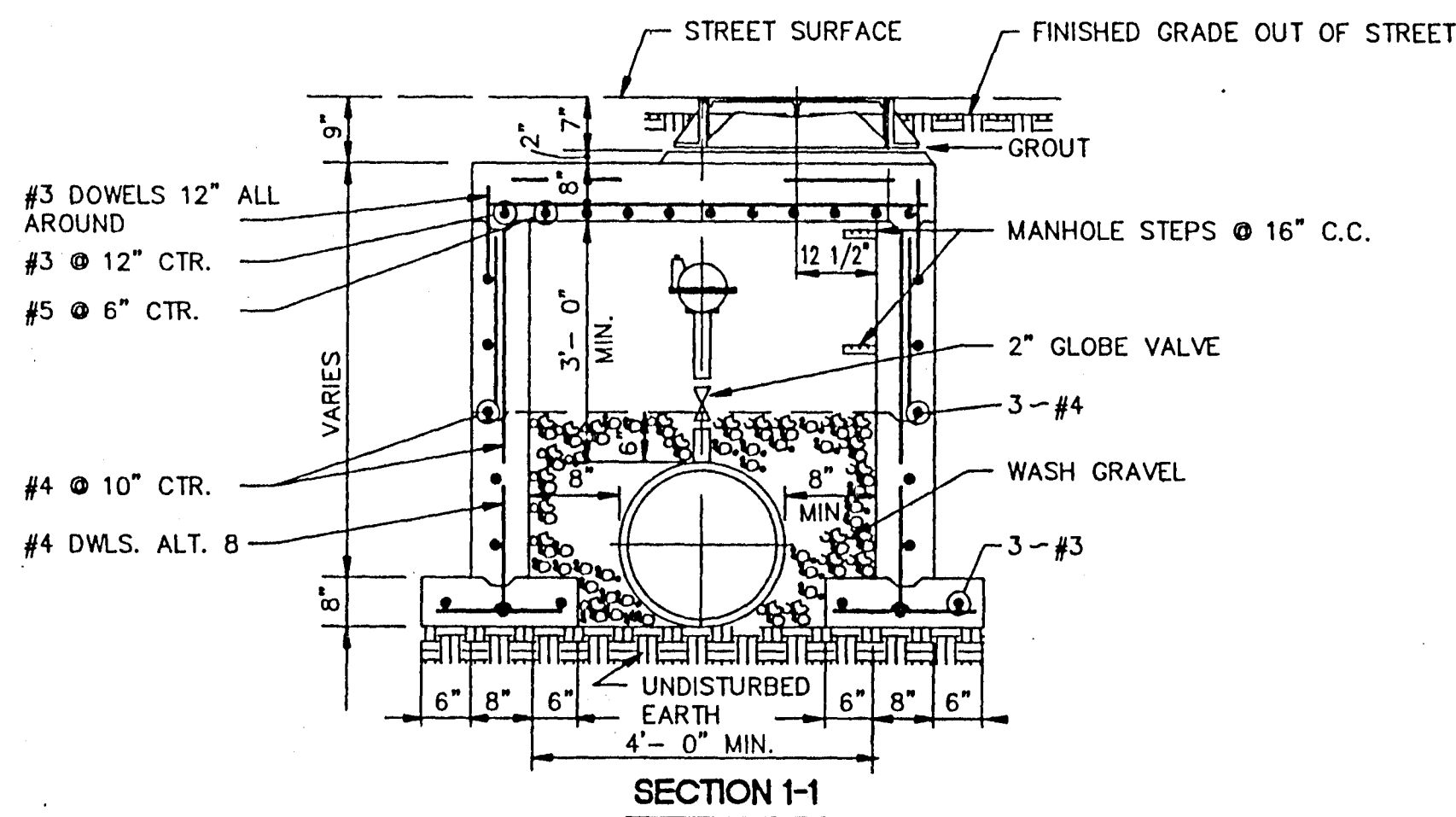
VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

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.

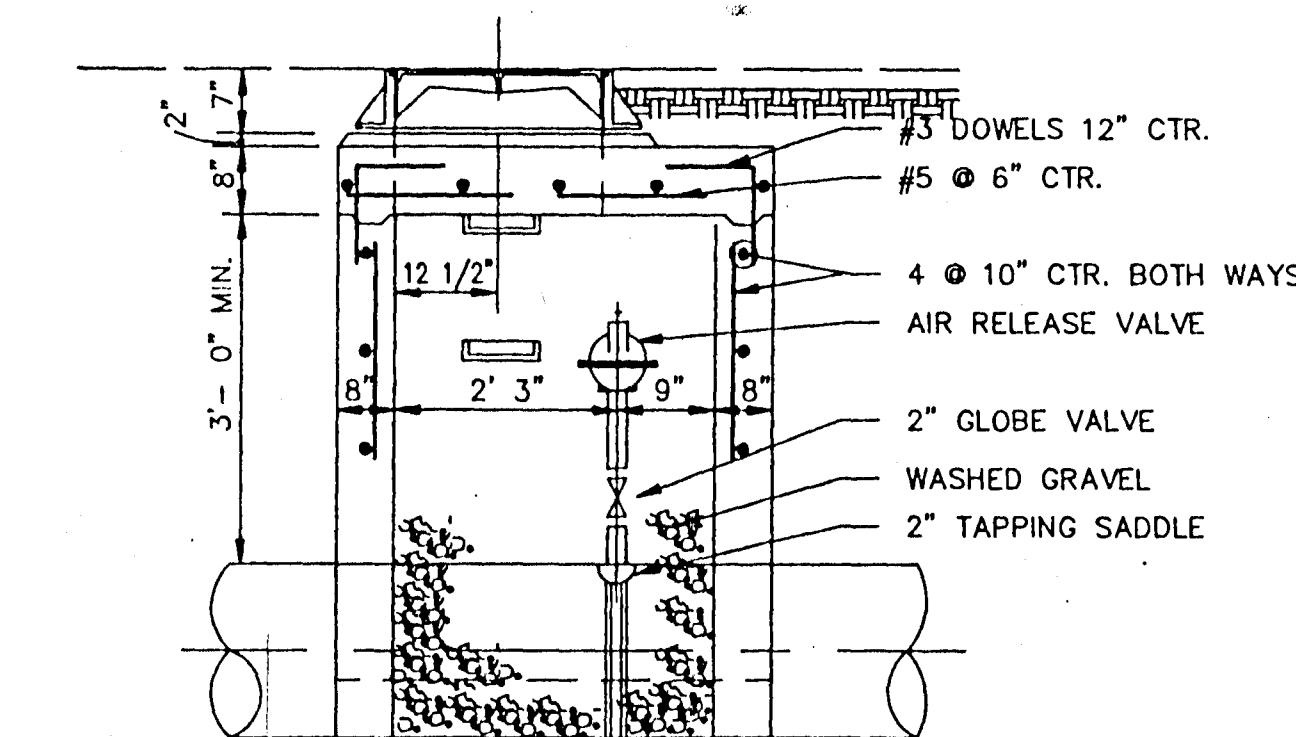
NOTE: ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



PLAN



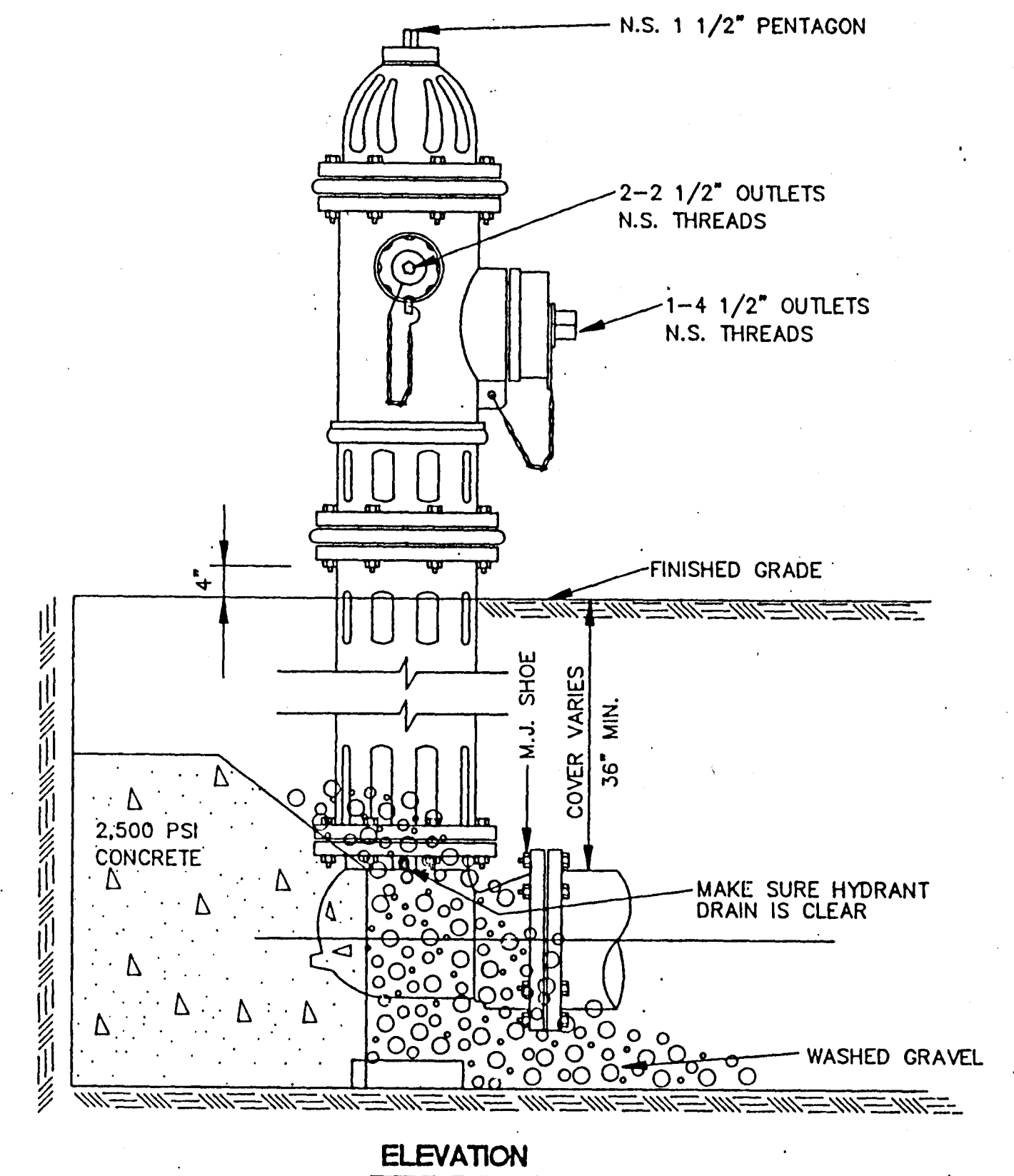
SECTION 1-1



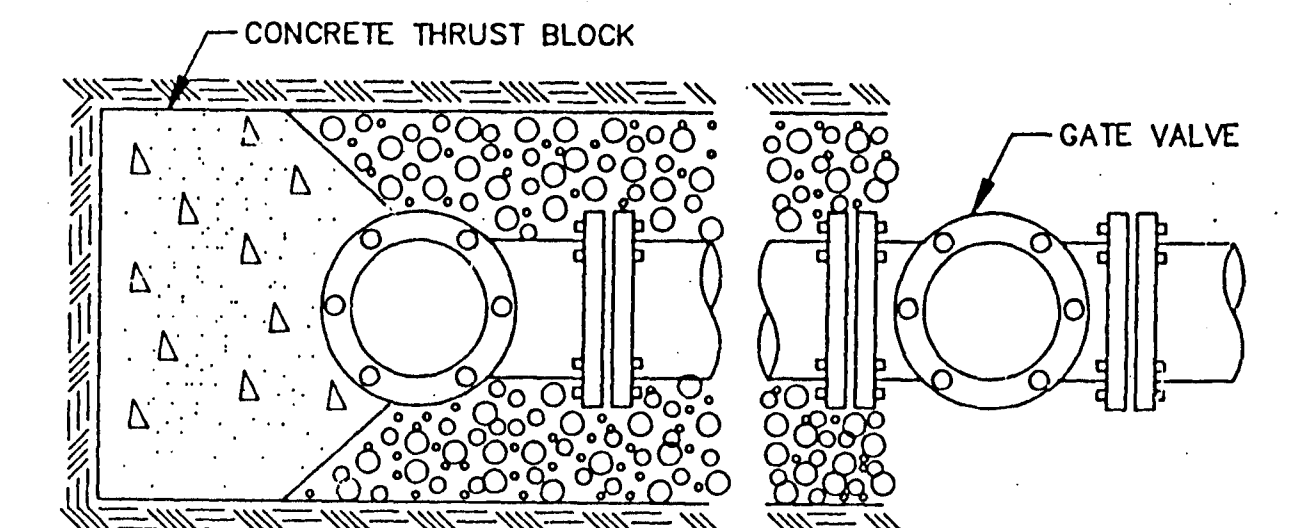
SECTION 2-2

TYPICAL AIR OR AIR VACUUM RELEASE VALVE INSTALLATION WITH MANHOLE

NOT TO SCALE



ELEVATION

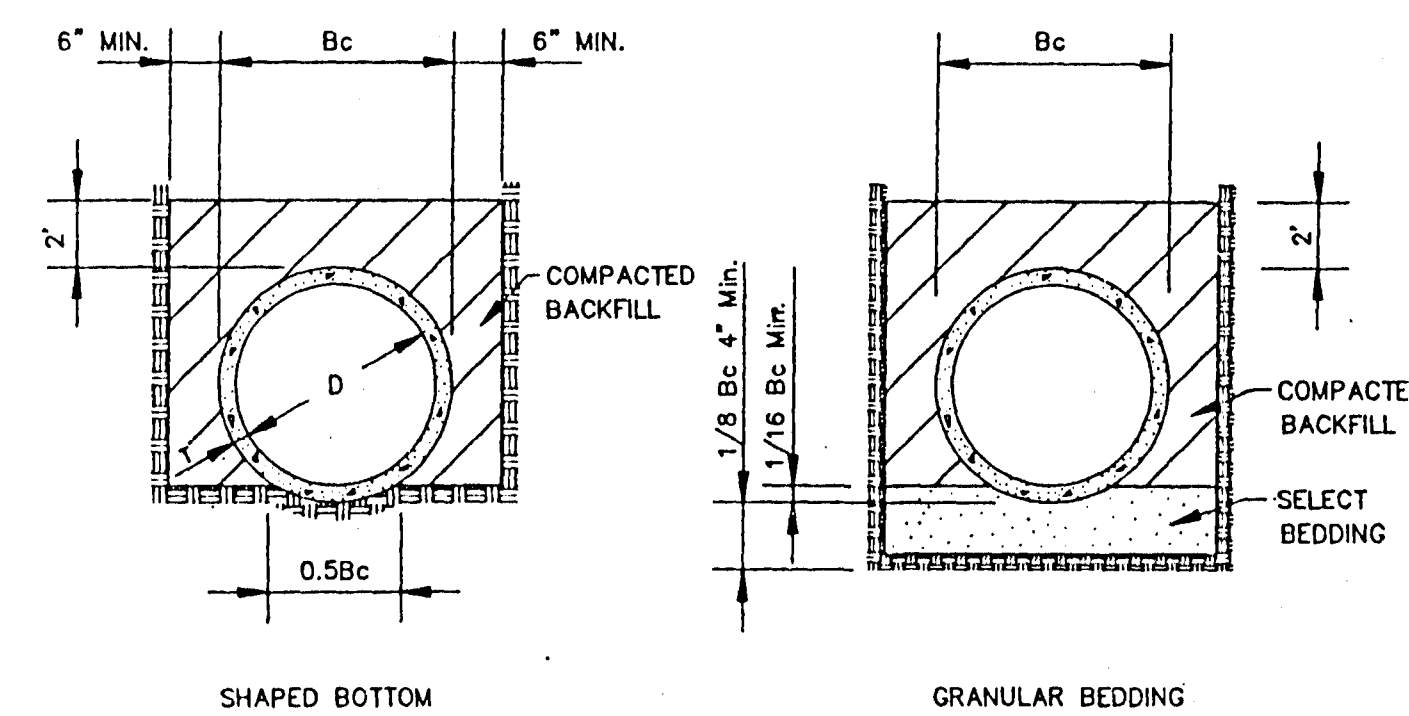


PLAN

TYPICAL FIRE HYDRANT INSTALLATION

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

ANCHOR COUPLINGS REQ'D.



SHAPED BOTTOM

CLASS C

GRANULAR BEDDING

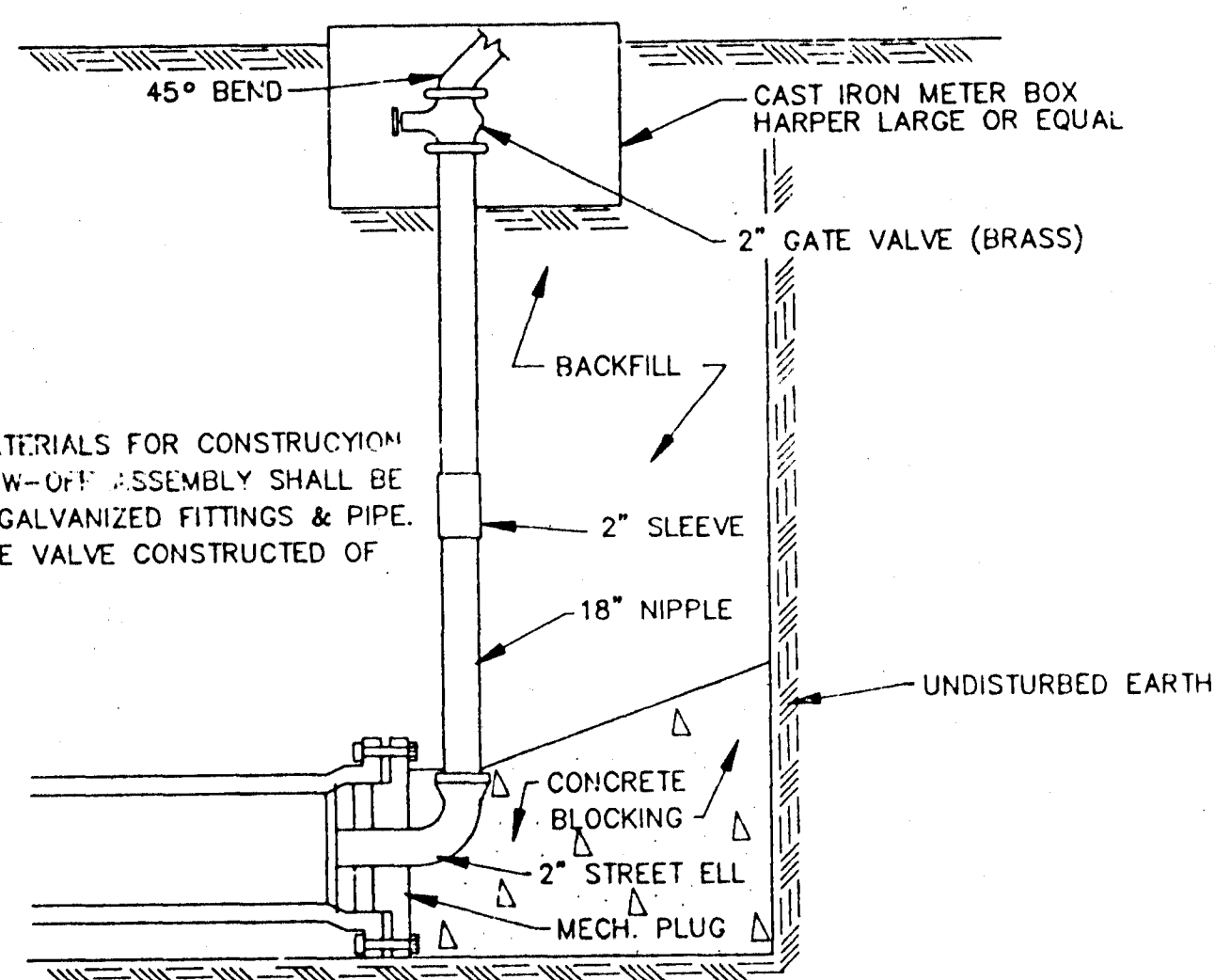
TYPICAL TRENCH DETAILS

N.T.S.

CITY OF RIDGELAND, MS.

STANDARD DETAILS

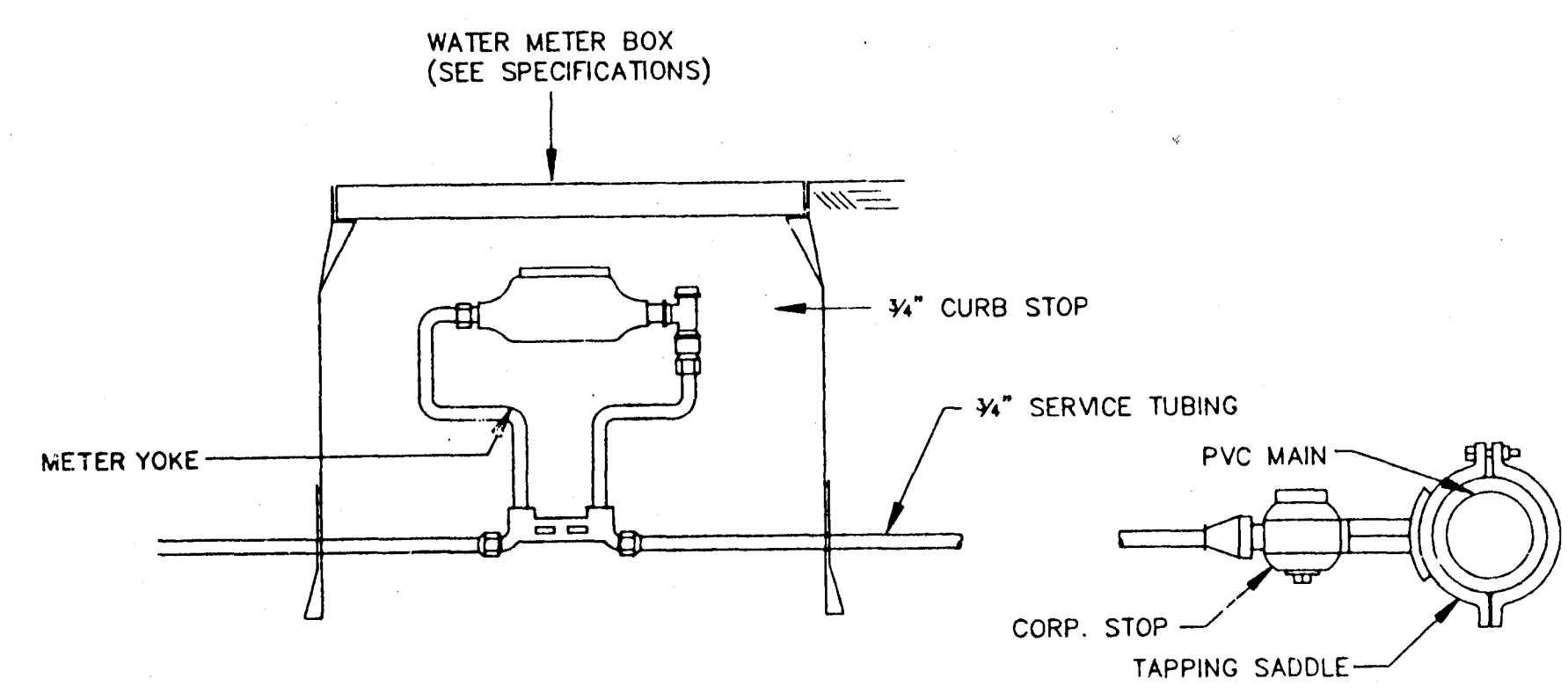
DSGN:		THE CITY OF	DRAWING NO.
DRAWN:		MISSISSIPPI	12
CHECKED:			
SCALE:			



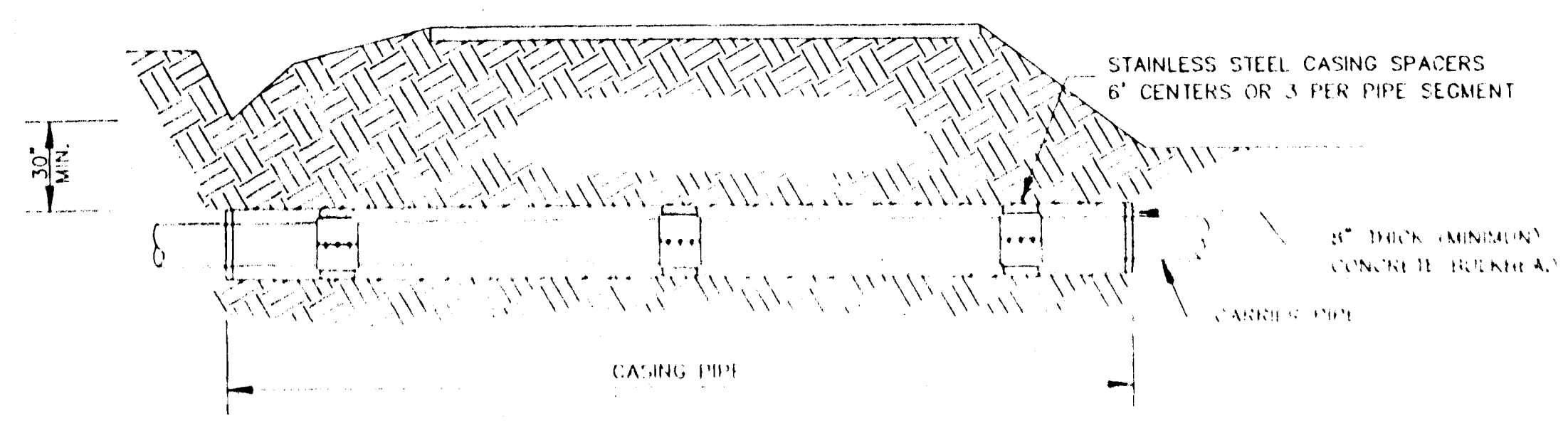
NOTE:

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

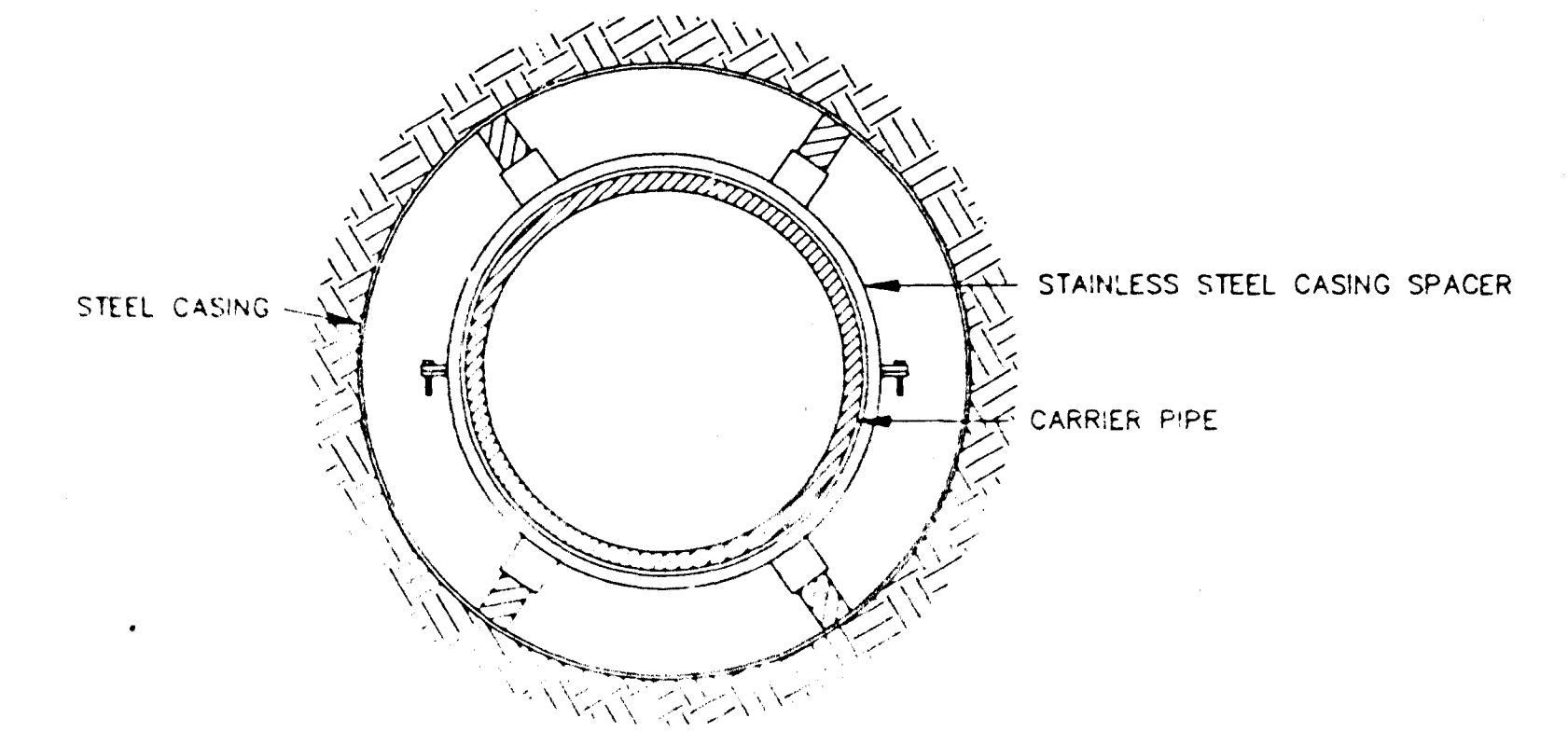
**TYPICAL BLOW-OFF ASSEMBLY**  
N.T.S.



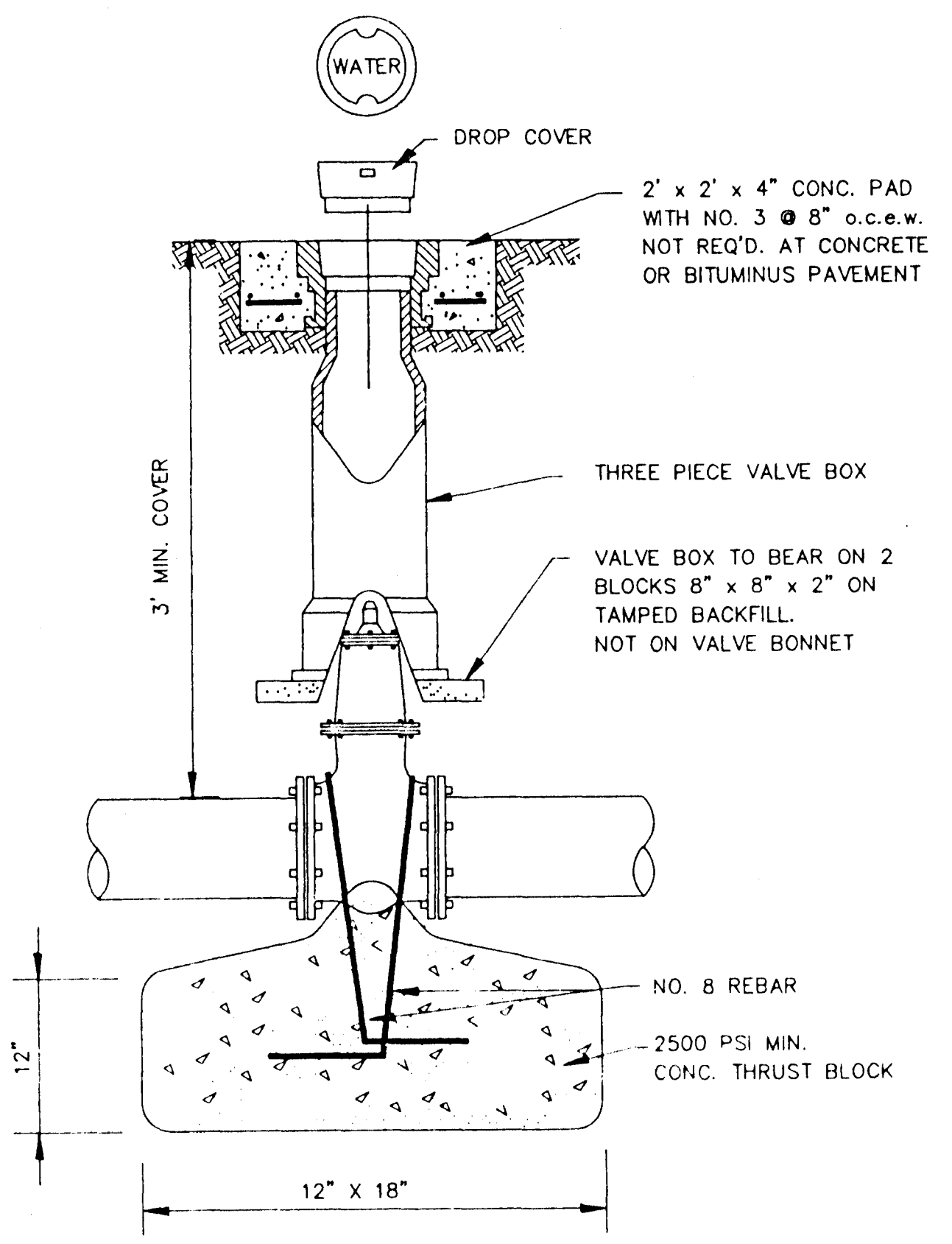
**TYPICAL 3/4" WATER SERVICE**  
N.T.S.



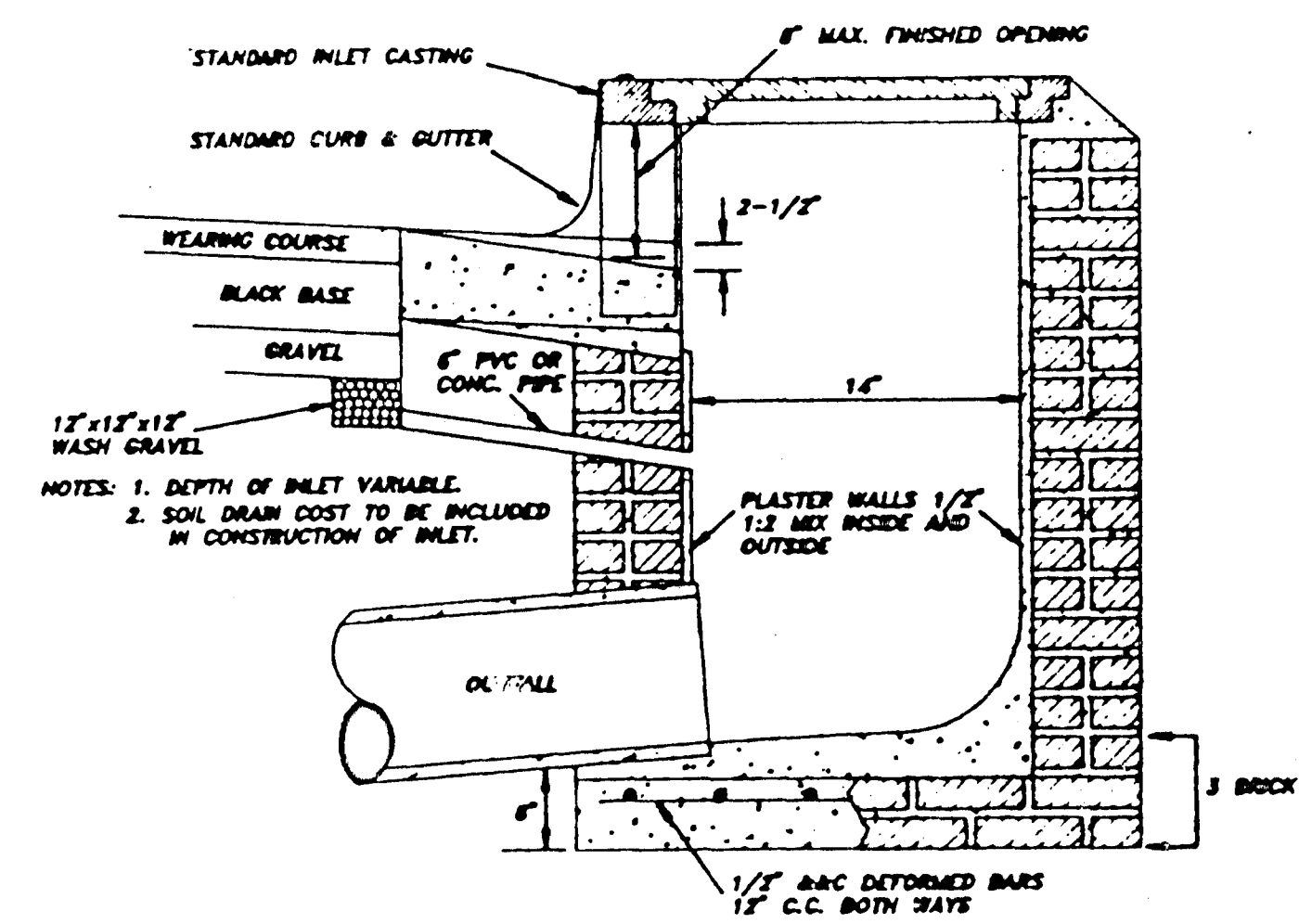
**TYPICAL BORE SECTION**  
N.T.S.



**BORE SECTION**  
N.T.S.

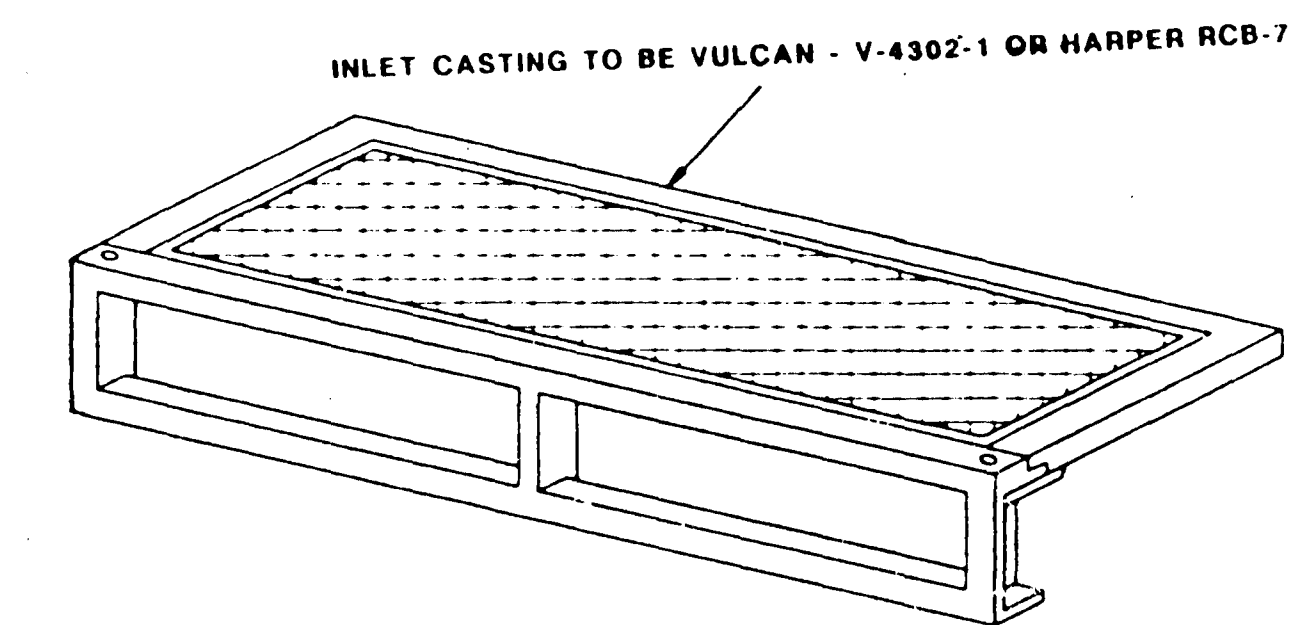


**GATE VALVE DETAIL**  
N.T.S.

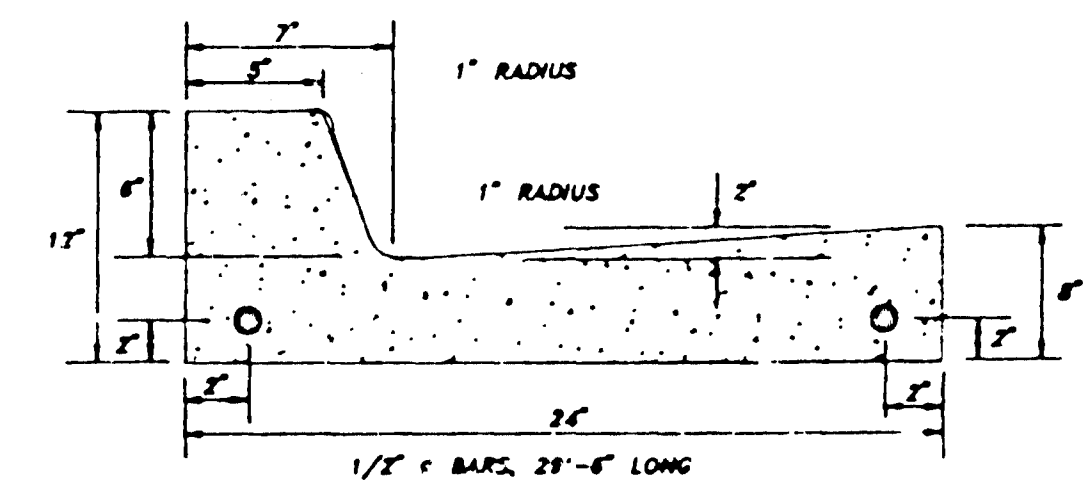


NOTES: 1. DEPTH OF INLET VARIABLE.  
2. SOIL DRAIN COST TO BE INCLUDED IN CONSTRUCTION OF INLET.

**SECTION OF STANDARD CURB INLET**



**STANDARD CURB INLET CASTING**  
INLET TOPS TO BEAR CITY OF RIDGELAND LOGO.



NOTES: 1. ALL CURBS, OUTLETS & DRIVEWAYS TO BE CONSTRUCTED OF 3000 LB. CONCRETE.  
2. 3 - 3/4" DOWEL BARS, 15" LONG REQ'D. AT EXPANSION JOINTS. THEY SHALL BE HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS AND 1/2" EXPANSION MATERIALS.

**STANDARD CURB & GUTTER**

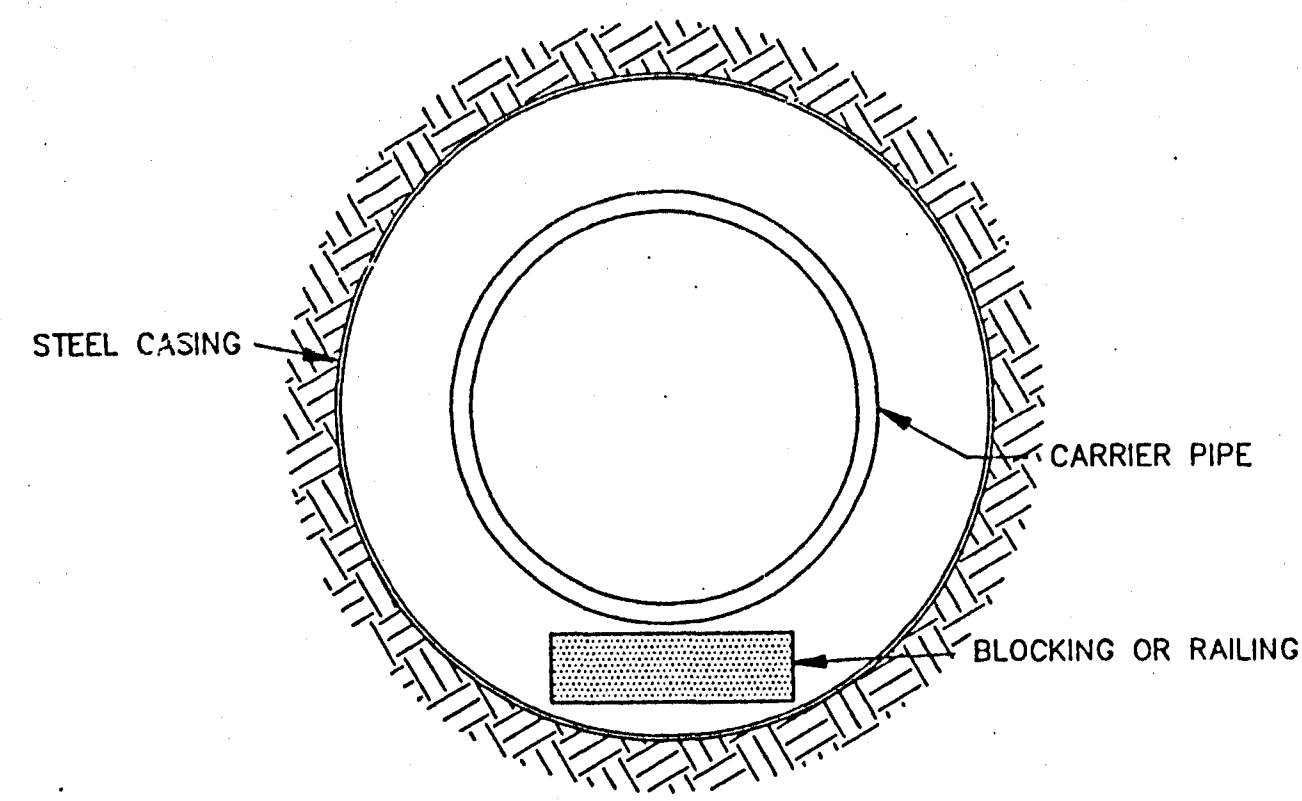
CITY OF RIDGELAND, MS.

**STANDARD DETAILS**

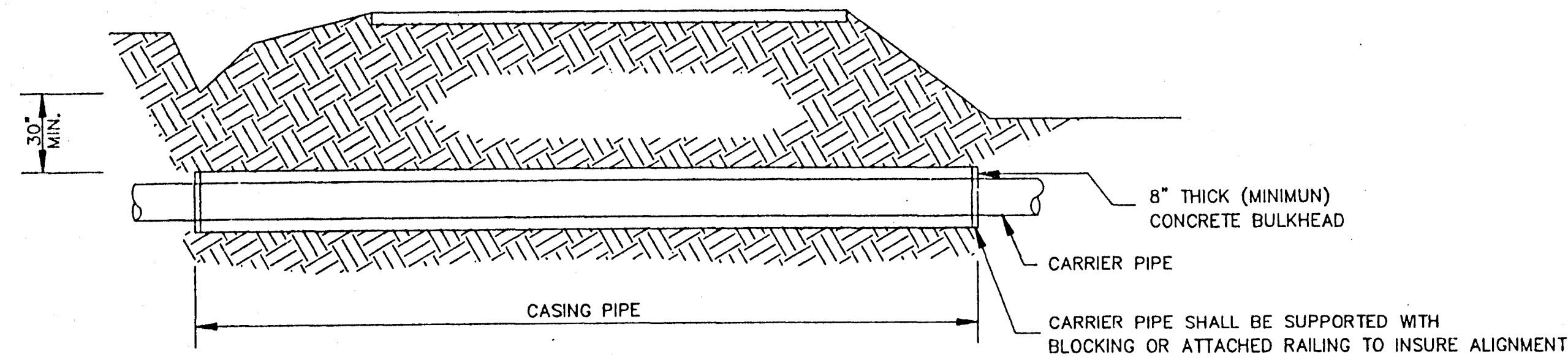
DSGN:			DRAWING NO.
DRWN:			3 of
CHKD:			
SCALE:			

1110 7716 FORM 11855





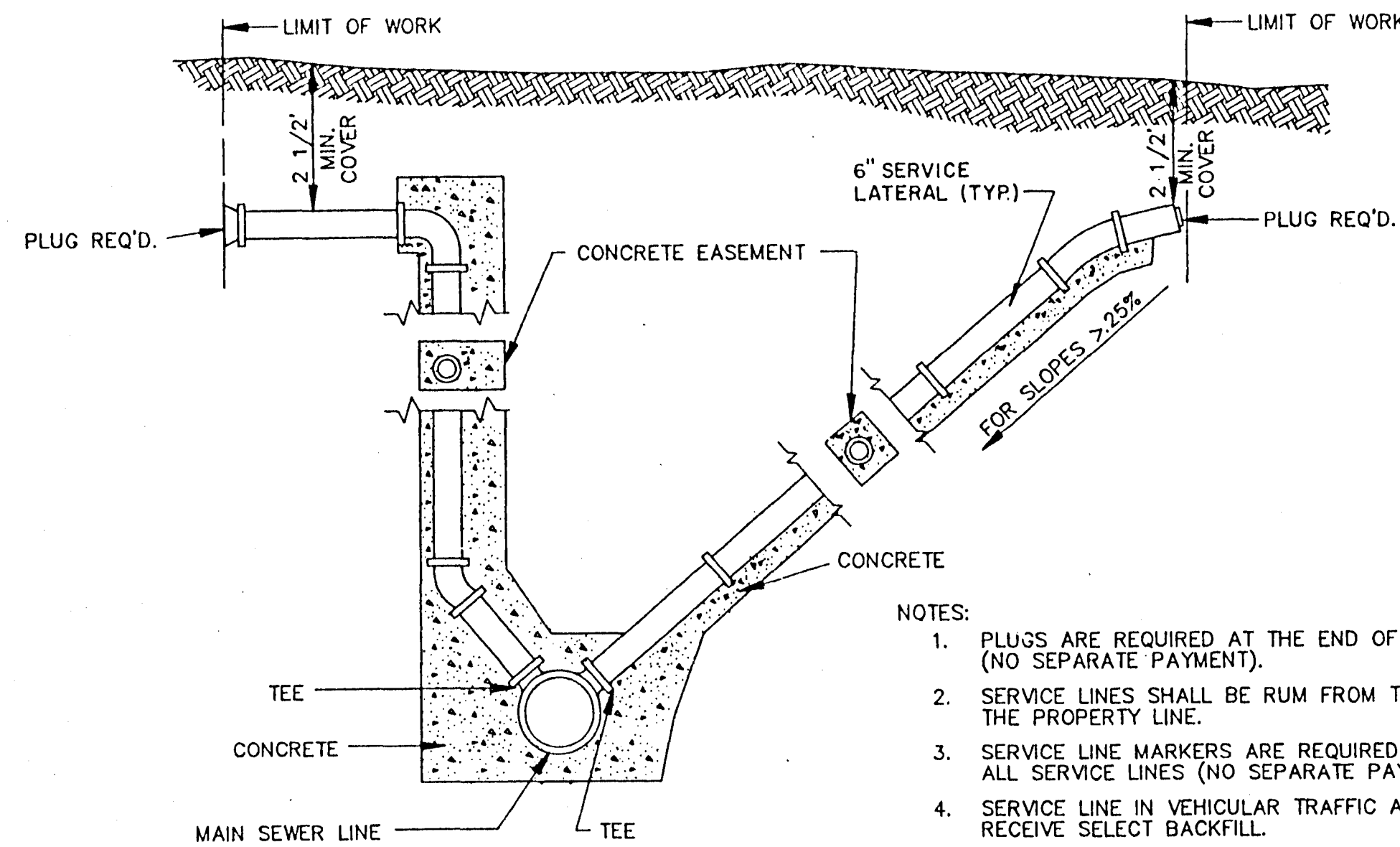
**BORE SECTION**  
N.T.S.



**TYPICAL BORE SECTION**  
N.T.S.

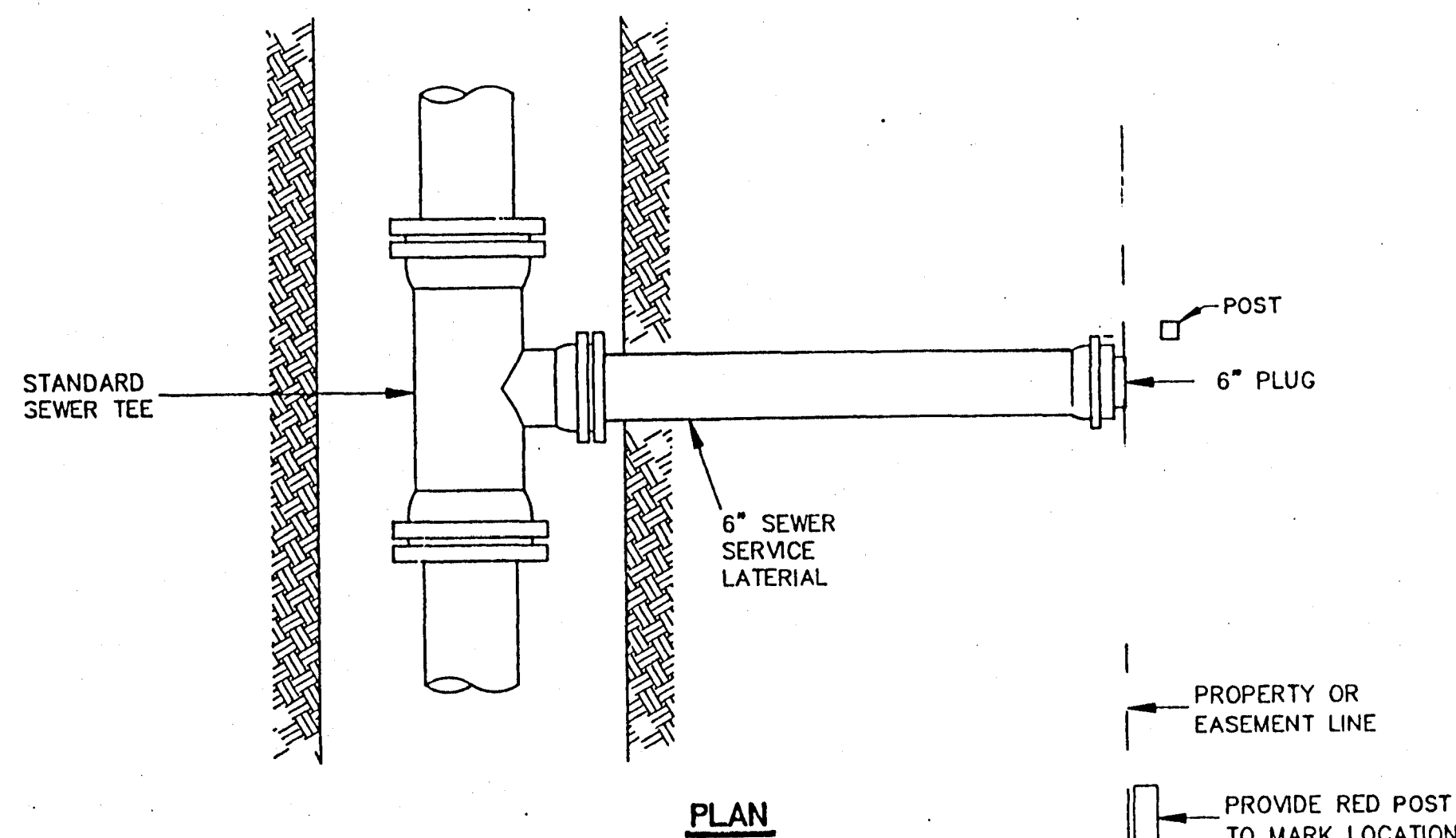
TABLE II GOVERNING DIMENSIONS FOR MANHOLES			
PIPE SIZE	Δ ANGLE	BASE DIAMETER **	"R" *
8" THRU 12"	0° TO 90°	4'	1'- 6"
15"	0° TO 60°	4'	1'- 10"
15"	60° TO 90°	4'	1'- 10"
18"	0° TO 60°	4'	2'- 3"
18"	60° TO 90°	4'	1'- 10"
21"	0° TO 60°	4'	2'- 7"
21"	60° TO 90°	5'	2'- 4"
24"	0° TO 45°	4'	3'- 0"
24"	45°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

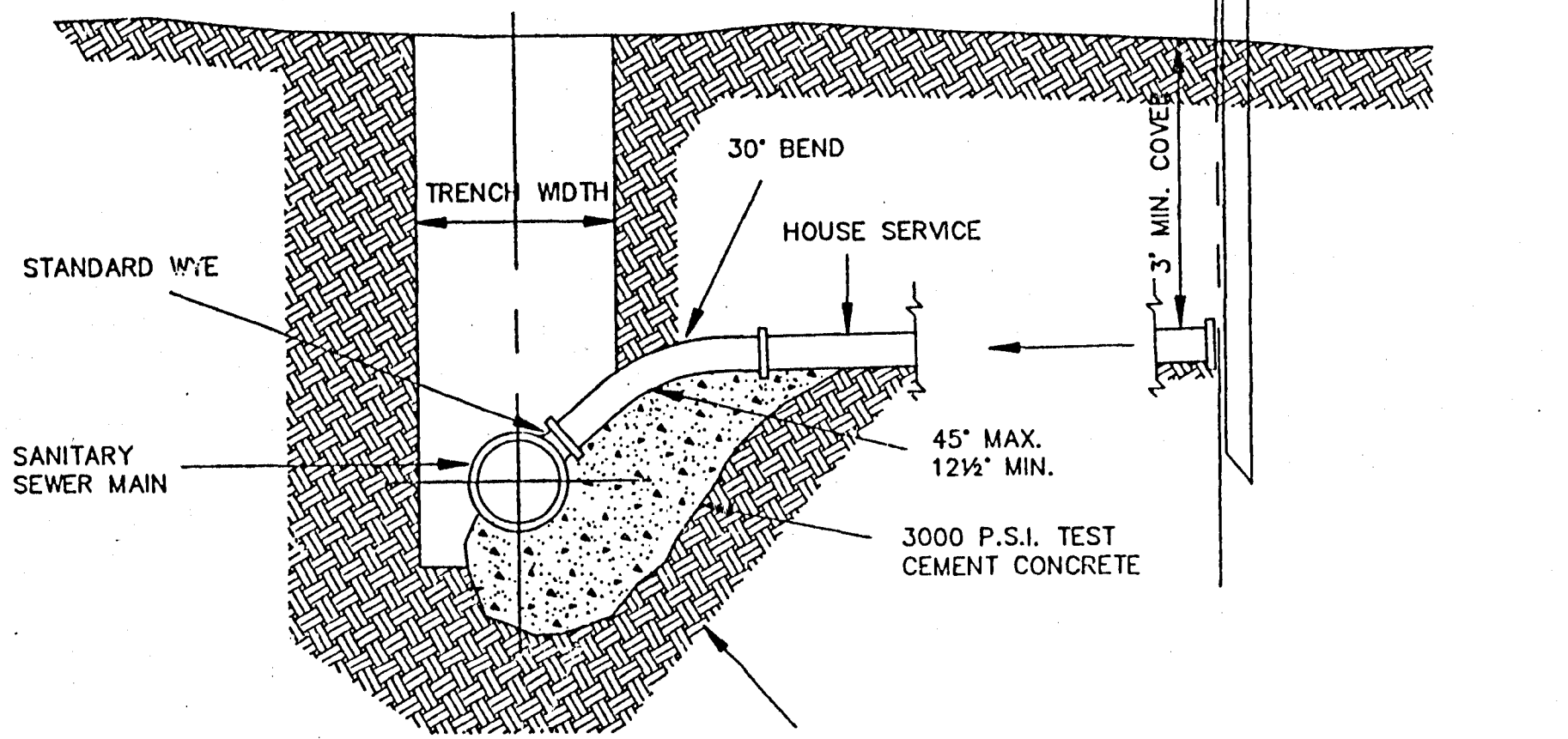


- NOTES:
1. PLUGS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
  2. SERVICE LINES SHALL BE RUM FROM THE SEWER LINES TO THE PROPERTY LINE.
  3. SERVICE LINE MARKERS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
  4. SERVICE LINE IN VEHICULAR TRAFFIC AREA SHALL 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.

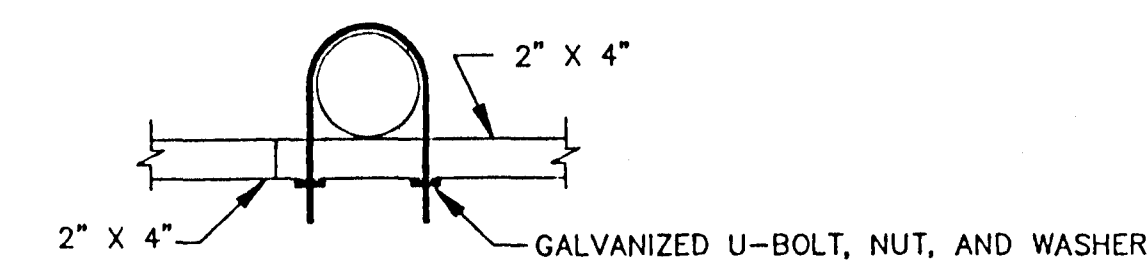


**PLAN**

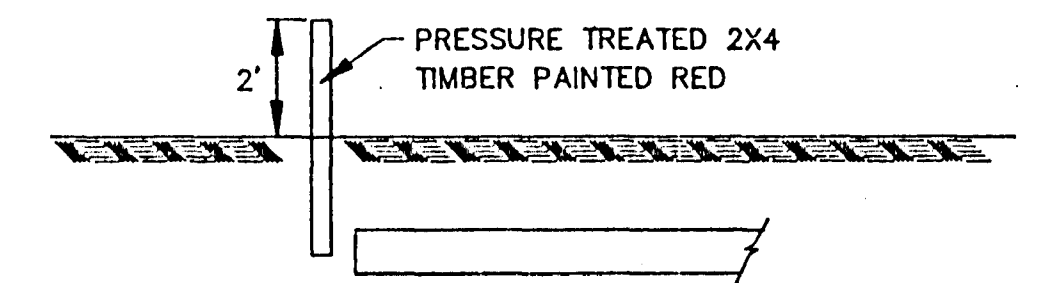


**ELEVATION**

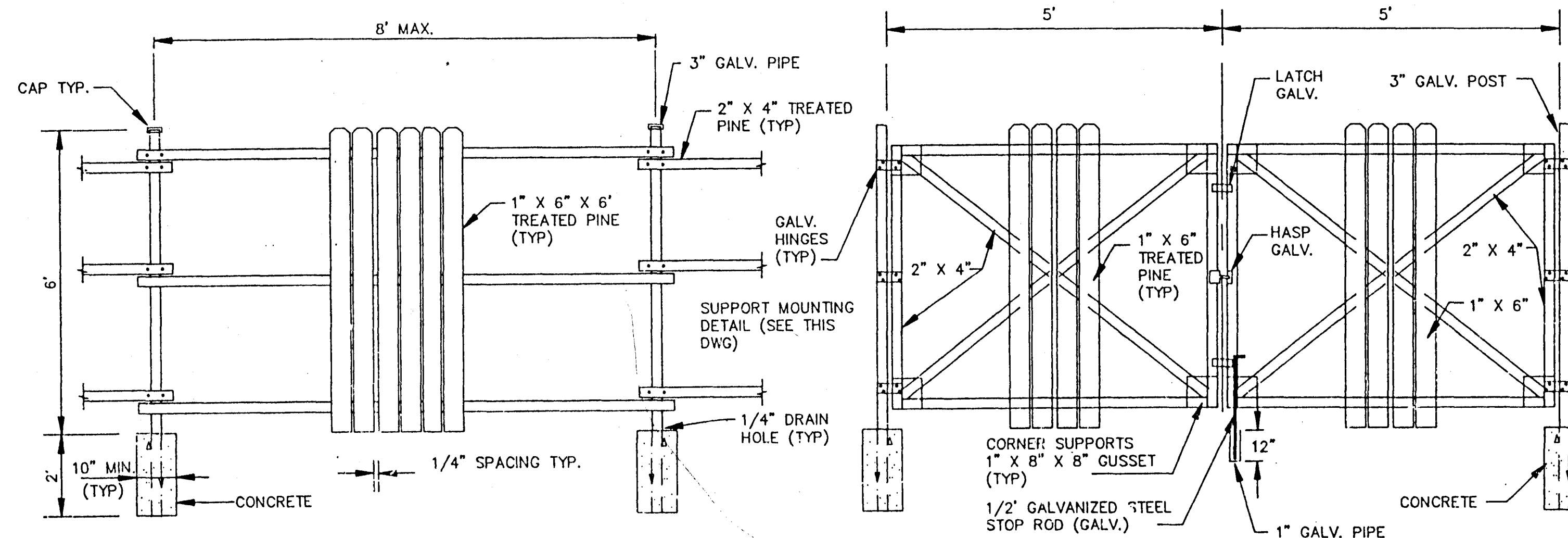
**SEWER SERVICE CONNECTION**  
N.T.S.



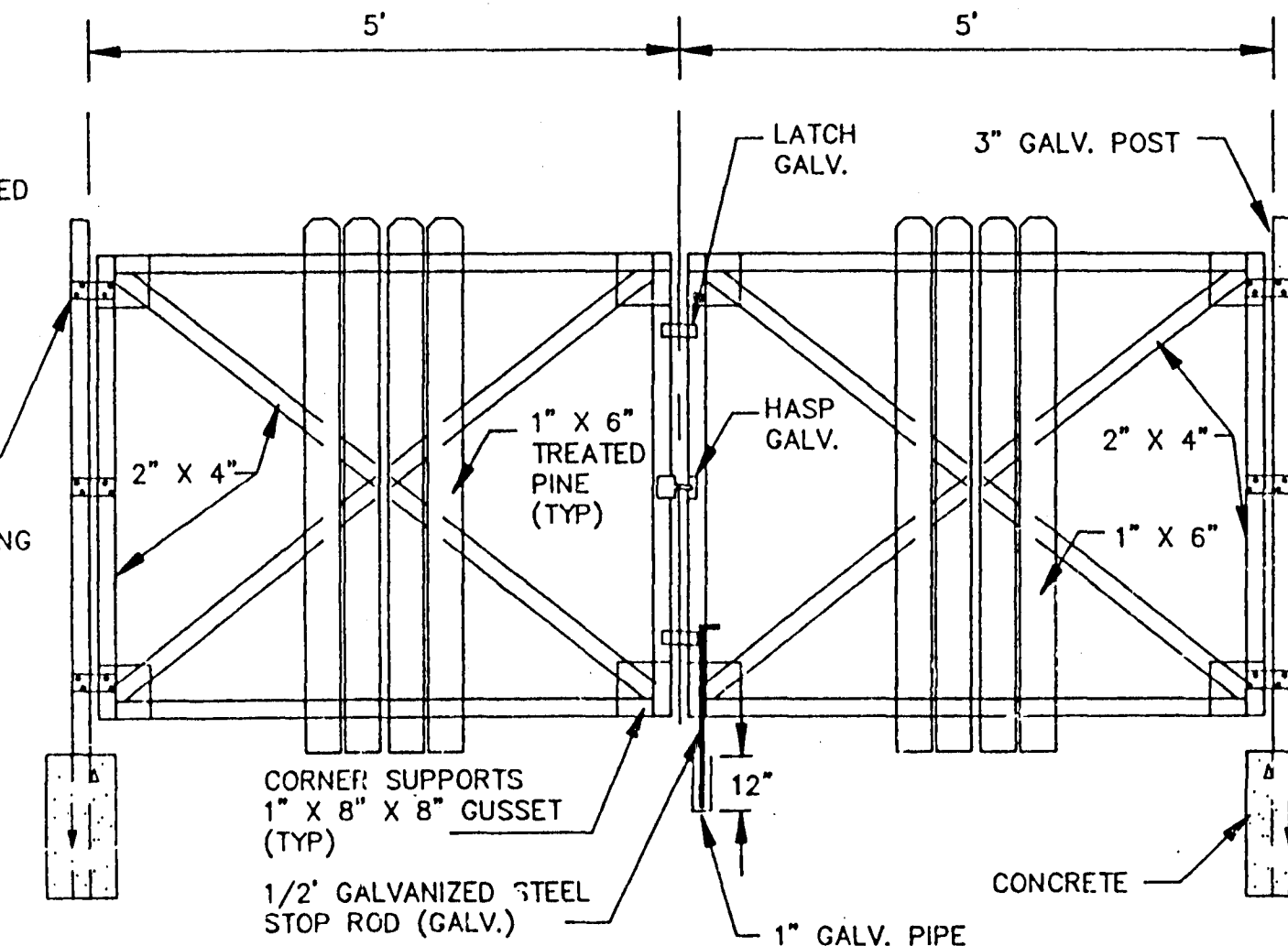
**SUPPORT MOUNTING DETAIL**  
N.T.S.



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



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



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

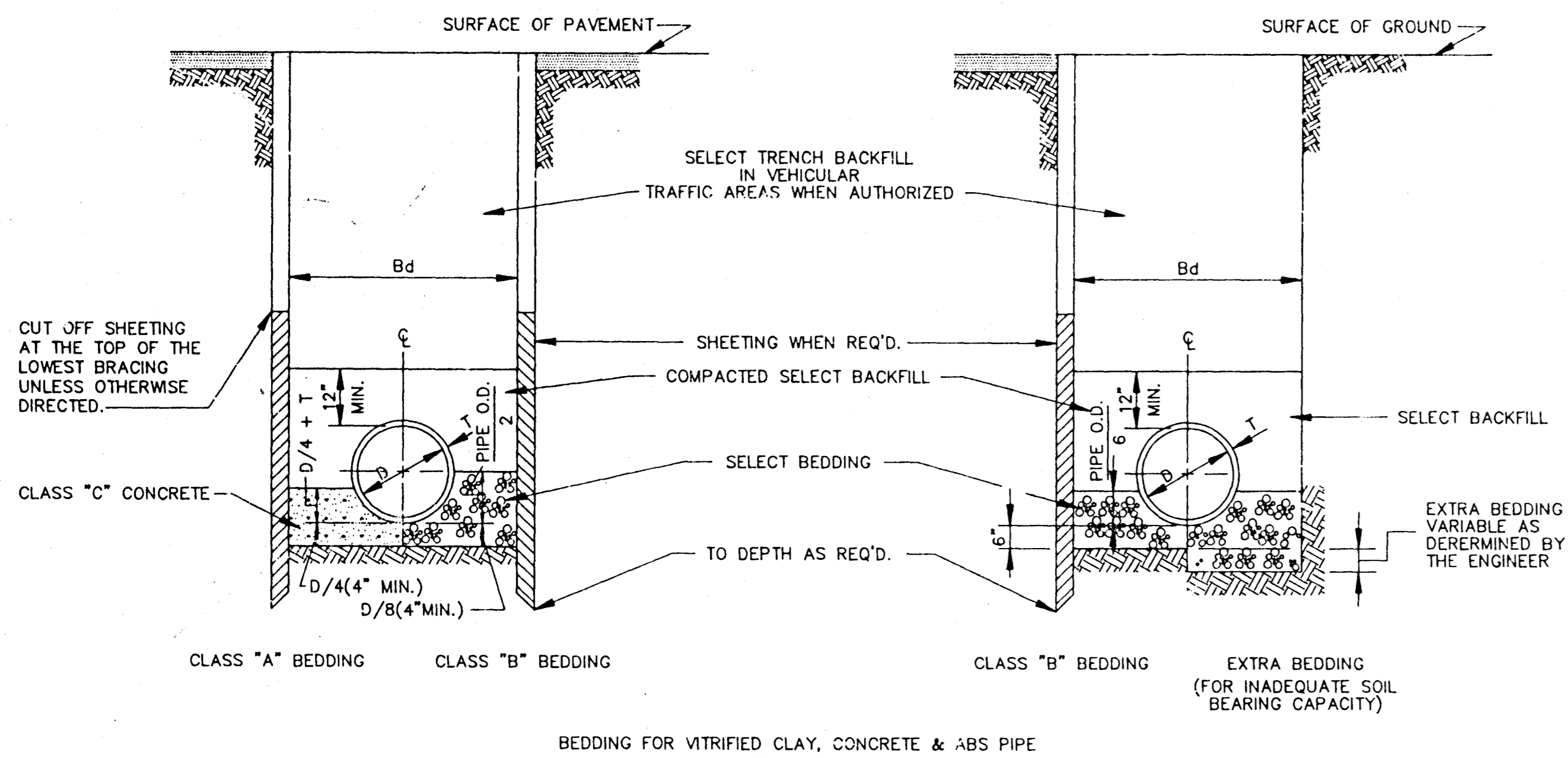
CITY OF RIDGELAND, MS.

**STANDARD DETAILS**

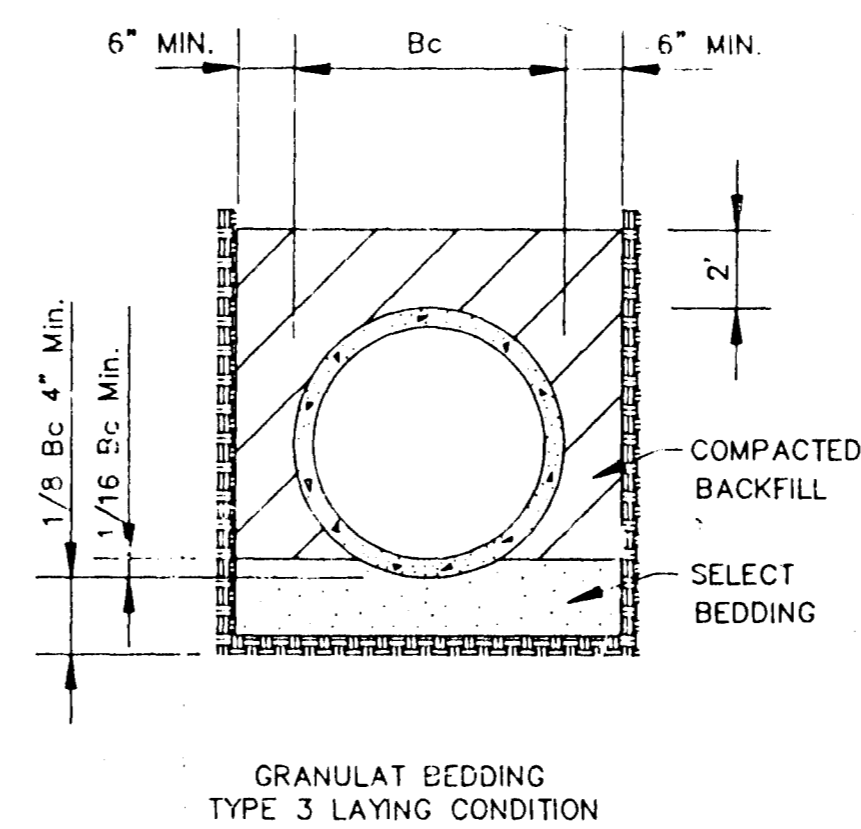
DSGN: \_\_\_\_\_  
DRWN: \_\_\_\_\_  
CHKD: \_\_\_\_\_  
SCALE: \_\_\_\_\_

THE CITY OF  
RIDGELAND

DRAWING NO. 24 00 01



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.

TABLE "A"

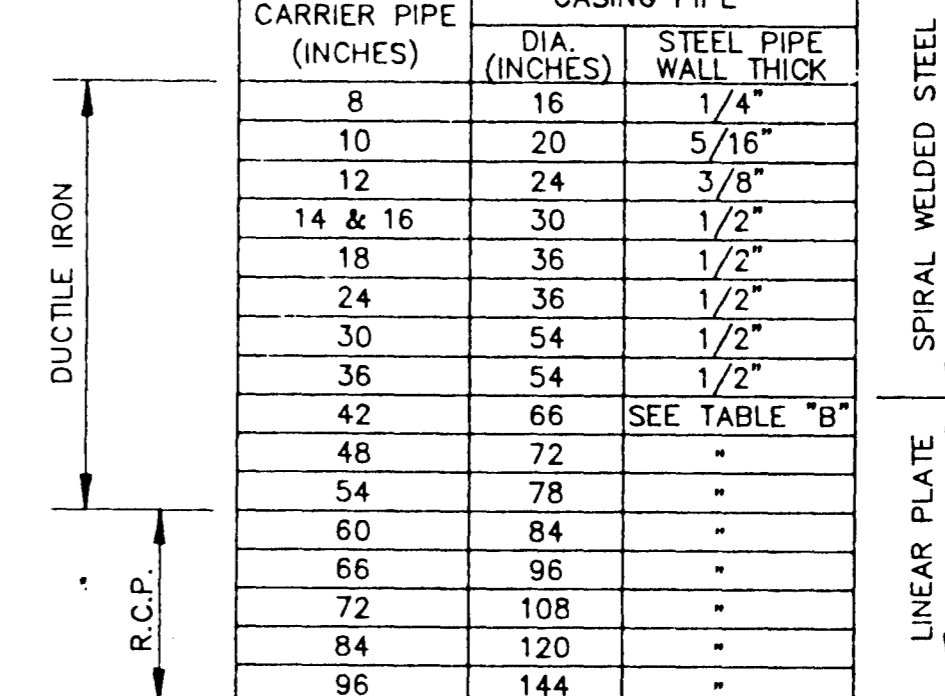
PIPE SIZE

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

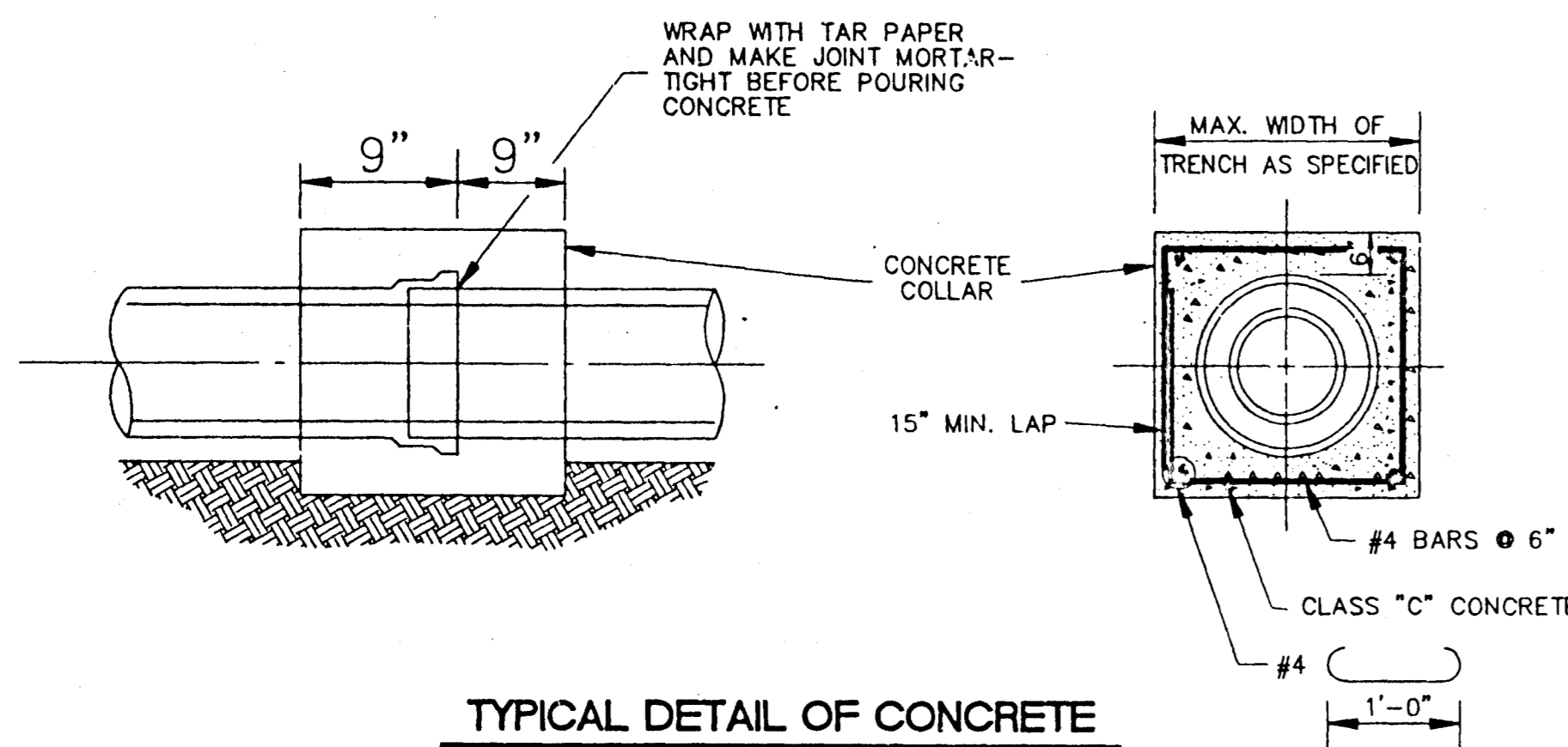
NOMINAL DIA. (INCHES)	HEIGHT OF COVER (FEET)								
	2-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45
48	12	12	12	12	12	12	12	10	8
54	12	12	12	12	12	12	10	8	7
60	12	12	12	12	12	12	10	8	7
66	12	12	12	12	12	10	8	7	5
72	12	12	12	12	12	10	8	7	5
78	12	12	12	12	10	8	7	5	5
84	12	12	12	10	10	8	5	5	5
96	12	10	10	10	8	5	5	5	5
108	10	10	10	8	7	5	5	5	5
120	10	10	8	8	7	5	5	5	3
144	8	8	8	5	5	3	1	1	1



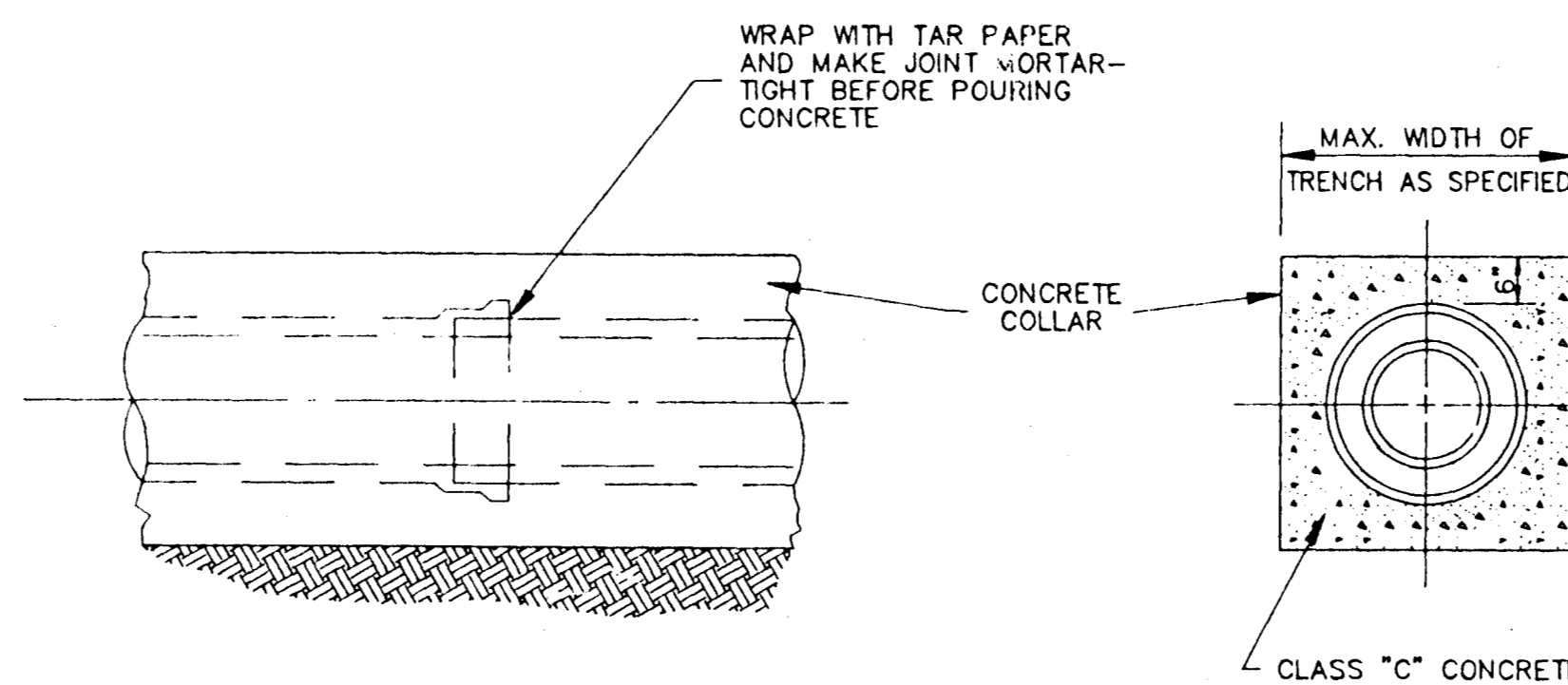
MIN. THICKNESS FOR LINER PLATE CASING IN RAILROAD CROSSING-10 GAGE

CASING PIPE

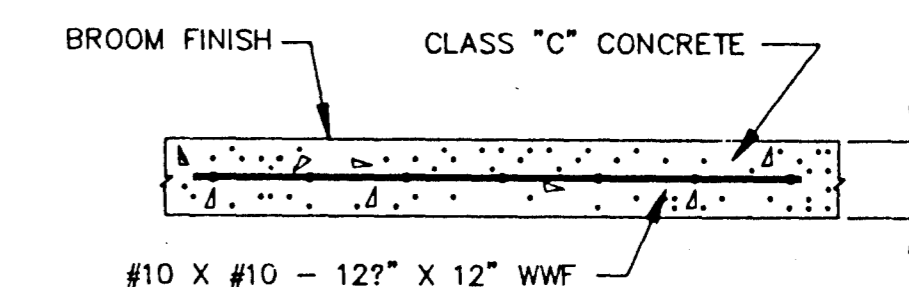
SIZE AND THICKNESS OF PIPE FOR RAILROAD & HIGHWAY CROSSING



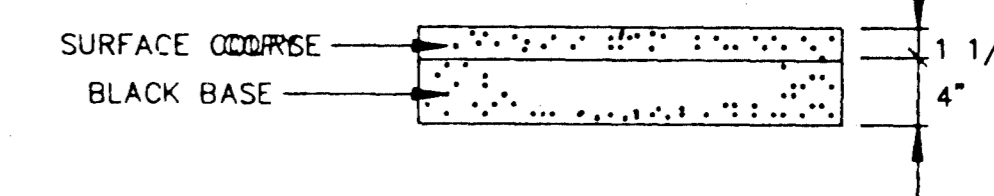
TYPICAL DETAIL OF CONCRETE COLLAR N.T.S.



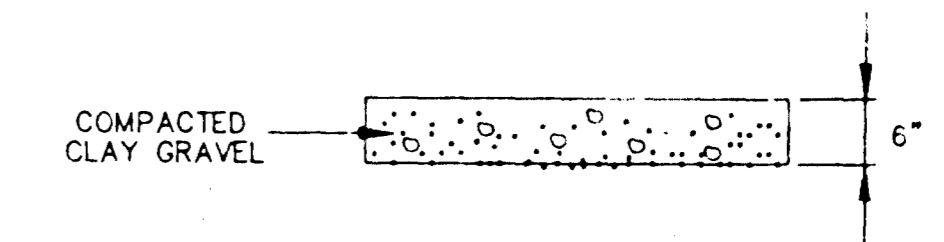
TYPICAL DETAIL OF CONCRETE ENCASEMENT N.T.S.



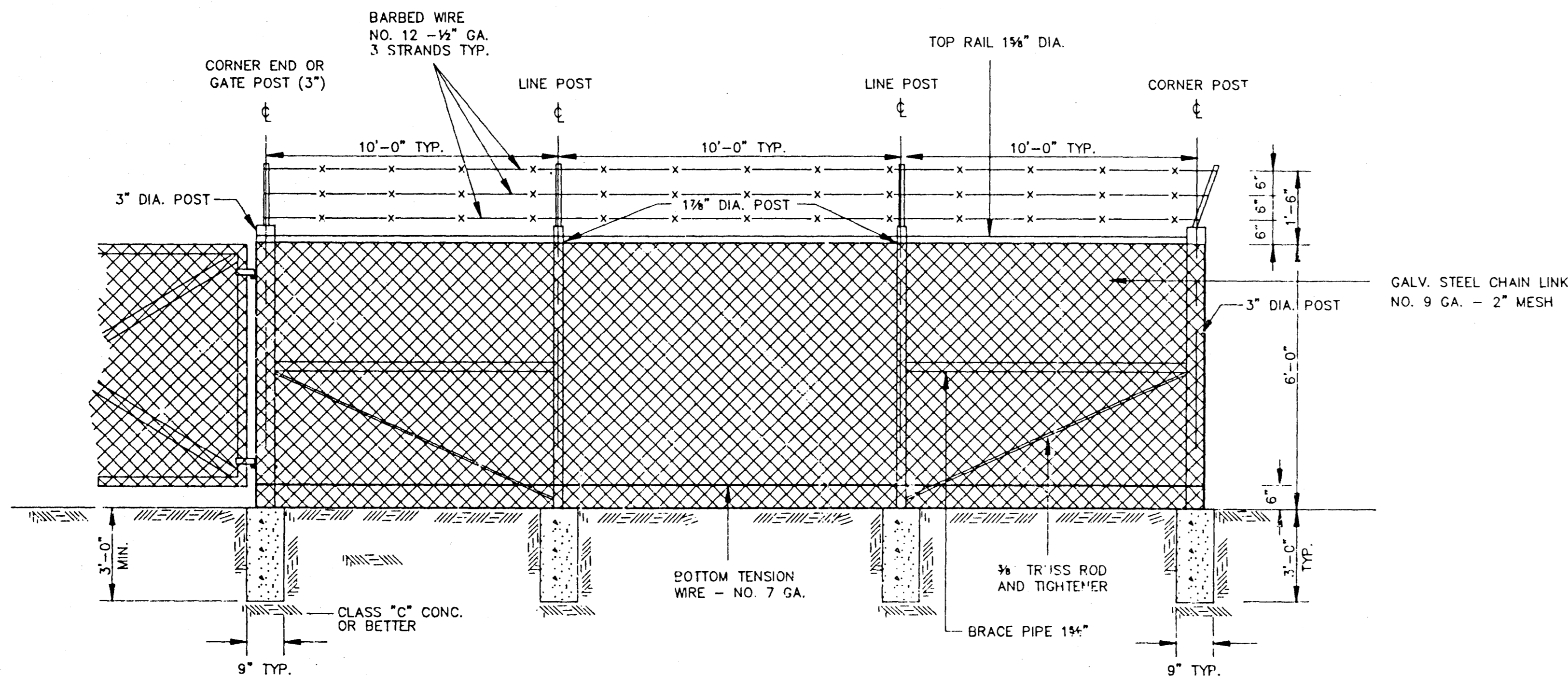
TYPICAL CONC. DRIVEWAY AND SIDEWALK REPAIR



TYPICAL ASPHALT DRIVEWAY REPAIR



TYPICAL GRAVEL DRIVEWAY REPAIR



CHAIN LINK FENCE DETAIL N.T.S.

CITY OF RIDGELAND, MS.

STANDARD DETAILS

DESIGN:	DATE:	DRAWN:
CHK'D:	BY:	NO. 5
SCALE:		