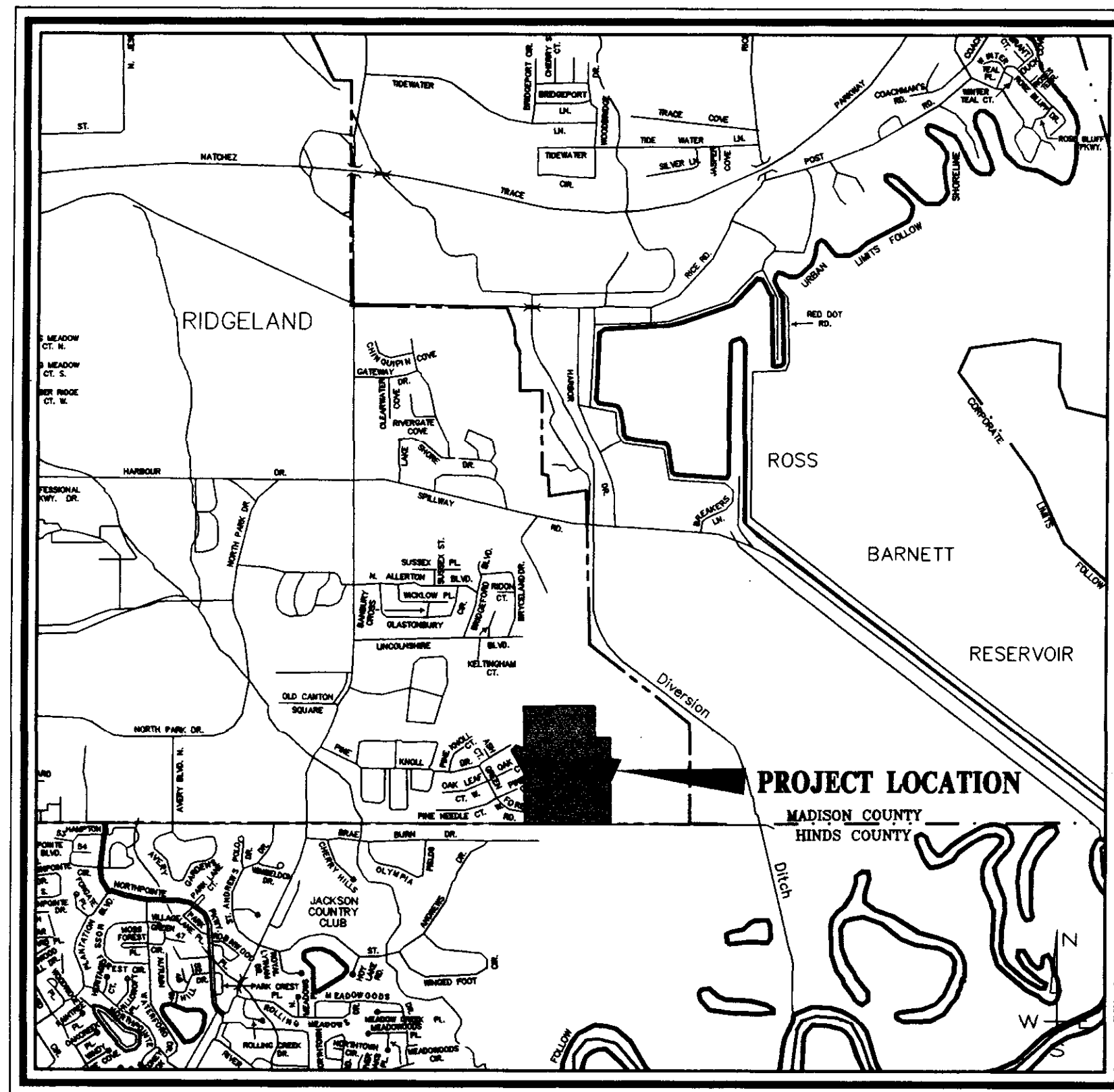
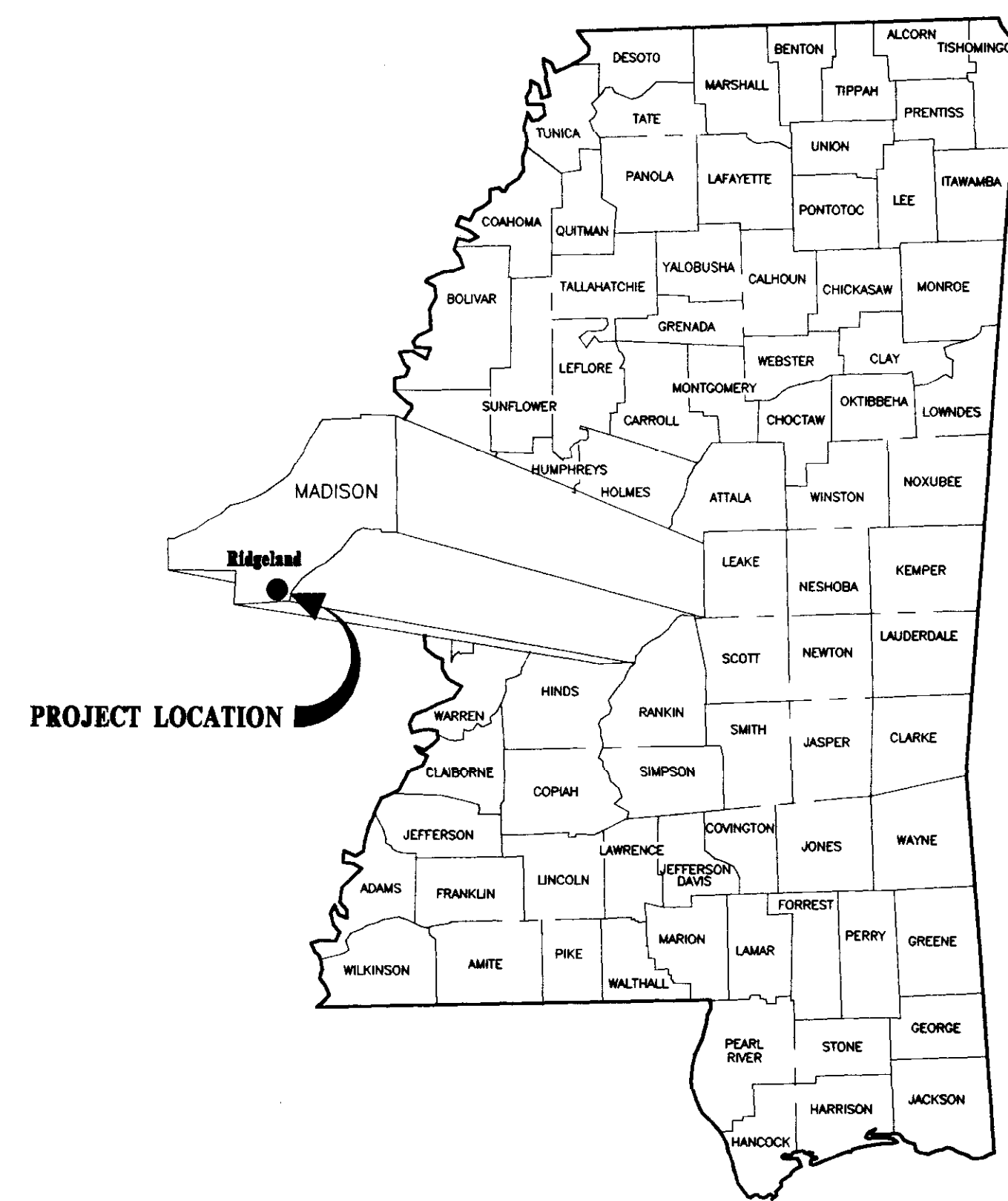
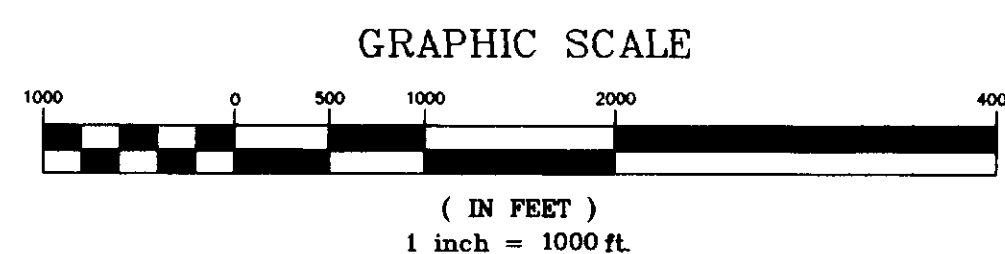


# CONSTRUCTION PLANS FOR MONTROSE CITY OF RIDGELAND MADISON COUNTY, MISSISSIPPI



**VICINITY MAP**



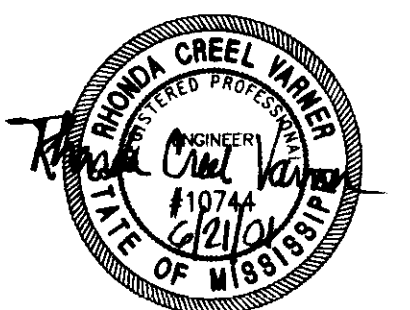
**A DEVELOPMENT OF  
MONTROSE, LLC**

**RECORD DRAWING**

BY: *R. Vanna* DATE: *6/21/01*

Prepared By:

**STERLING  
Consultants  
INCORPORATED**



**PWP-01307**

## MATERIAL REQUIREMENTS

### STREETS

- CONCRETE FOR CURB AND GUTTER SHALL BE 3,000 PSI MINIMUM.
- HOT BITUMINOUS PAVEMENT BASE COURSE MIXTURES AND MATERIALS SHALL MEET SPECIFICATION BB-1 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- HOT BITUMINOUS PAVEMENT SURFACE COURSE MIXTURES AND MATERIALS SHALL MEET SPECIFICATION SC-1 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

### STORM DRAINAGE

- PIPE - REINFORCED CONCRETE PIPE, ROUND ASTM C-76 OR ARCH, ASTM C-506.
- JOINTS - O-RING RUBBER GASKETS, BITUMINOUS PLASTIC CEMENT OR PRE FORMED JOINT COMPOUND.
- INLETS AND JUNCTION BOXES - PRE CAST CONCRETE, ASTM C-478 OR CONCRETE CAST-IN-PLACE. (CITY OF RIDGELAND STANDARD)
- INLET CASTINGS - VULCAN RCB-7, C.L. DEWS NO. 2450, OR EQUAL AS APPROVED BY ENGINEER.

### WATER

- MAIN - C-900 PVC CLASS 150 OR DUCTILE IRON, CEMENT LINED MORTAR PRESSURE CLASS 350 - ANSI/AWWA C151/A21.5.
- ENCASEMENT - POLYETHYLENE FILM ANSI/AWWA A21.5/C105.
- JOINTS - TYLON JOINTS WITH RUBBER GASKET ANSI/AWWA STANDARDS.
- FITTINGS - DUCTILE IRON, COMPACT FITTINGS MECHANICAL JOINT - ANSI/AWWA C153/A21.53-88.
- VALVES - DUCTILE IRON METROSEAL 250 RESILIENT SEATED GATE VALVES - AWWA C509.
- FIRE HYDRANTS - DRY BARREL TYPE TRAFFIC MODEL, 5-1/4" MAIN VALVE SIZE, EQUIPPED FOR REQUIRED EXTRA DEPTH. 3 WAY NOZZLE W/ ONE 2" AND ONE 2-1/2" HOSE NOZZLES AND 1 4-1/2" PUMPER NOZZLE, AWWA C502-80. BRAND - M&H MODEL 929 BASE FLANGE TO BE SET EVEN WITH TOP OF CURB.
- VALVE BOXES - CAST IRON, 3 PIECE ADJUSTABLE STAMPED W/ "WATER".
- SERVICE LINE - 3/4" MINIMUM, TYPE K COPPER, ASTM B88; POLYETHYLENE (PE), AWWA C901; OR POLYBUTYLENE (PB), AWWA C902.
- SVC SADDLE - FORD STYLE 304, OR APPROVED EQUAL.
- CORP. STOPS - MUELLER NO. H-15000 OR APPROVED EQUAL.
- CURB STOPS - MUELLER H-15175 OR APPROVED EQUAL.
- METER BOX - CAST IRON METER BOX W/ FLIP TOP READING COVER.

### SEWER

- MAIN & SERVICE - PVC, SDR-26, ASTM D-3034 OR DUCTILE IRON, PROTECTO 401 CERAMIC EPOXY LINED.
- JOINTS - SLIP ON W/LOCKED-IN RUBBER GASKET, ASTM F-477.
- MANHOLES - PRE CAST CONCRETE, ASTM C-478. COAL TAR EPOXY COATING. REQUIRED ON INTERIOR AND EXTERIOR OF MANHOLE SECTIONS AND ON MANHOLE STEPS.
- PIPE BOOTS - KOR-N-SEAL MOLDED RUBBER CONNECTORS, OR EQUAL.
- FRAME & COVER - CAST IRON, ASTM A-78 OR EQUAL.
- STEPS - RUBBER COATED

## GENERAL NOTES

### STREET

- STREET SUB GRADE AREAS WHERE EXPANSIVE CLAYS (CH) ARE ENCOUNTERED WITHIN 4' OF FINISHED GRADE SHALL BE UNDERCUT AND BACK FILLED AS REQUIRED TO SEPARATE PAVEMENT FROM EXPANSIVE CLAYS BY A MINIMUM 3 FOOT THICK LAYER OF SELECT SILTY CLAYS (CL) OR SANDY CLAYS (CL) HAVING A LIQUID LIMIT OF LESS THAN 40 AND A PI WITHIN THE RANGE OF 8 TO 20. THE BACK FILL AND FILL MATERIALS SHOULD BE SPREAD IN LOOSE LIFTS HAVING A MAXIMUM THICKNESS OF 9 IN. AND COMPACTED TO NOT LESS THAN 95 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) AT MOISTURE CONTENTS WITHIN 3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT. STABILITY MUST BE EVIDENT DURING COMPACTION OF EACH LIFT BEFORE ANY SUBSEQUENT LIFTS OF FILL OR BACK FILL MATERIAL ARE ADDED.
- UNDERCUTTING AND BACK FILLING SHALL EXTEND A MINIMUM OF 2 FEET BEYOND BACK OF CURB.
- PRIOR TO PLACING ASPHALT BASE MATERIAL, PAVING CONTRACTOR SHALL 1) FINE-GRADE THE SUB GRADE MATERIAL TO THE PROPER SECTION TO PERMIT PLACEMENT OF THE REQUIRED THICKNESS OF BASE COURSE; 2) COMPACT AND PROOF-ROLL SUB GRADE TO ACHIEVE STABILITY; AND ENSURE REQUIRED SUB GRADE DENSITY HAS BEEN ACHIEVED AND VERIFIED BY SOILS TESTING LABORATORY.

### CURB AND GUTTER

- CURB AND GUTTER SHALL BE 24" STANDARD (SEE DETAIL).
- SUB GRADE BENEATH CURB AND GUTTER SHALL BE FINE GRADED AND COMPACTED TO ACHIEVE STABILITY UNDER PRESSURE OF THE REAR WHEEL LOADING OF A MOTOR GRADER MOVING SLOWLY OVER THE CURB AND GUTTER SUB GRADE.
- AFTER FORMS AND/OR CURB AND GUTTER STRING LINES HAVE BEEN SET AND BEFORE CONCRETE IS POURED, CONTRACTOR SHALL VERIFY THAT ALL GUTTERS DRAIN TO INLETS. MINIMUM SLOPE: 9" PER 100'
- EXPANSION JOINTS IN CURB AND GUTTER SHALL BE 3/4" JOINT MATERIAL PLACED AT 30' (MAXIMUM) INTERVALS.
- CONTRACTION JOINTS IN CURB AND GUTTER SHALL BE SCORED AT INTERVALS NOT GREATER THAN 10 FEET AND SPACED EQUALLY BETWEEN EXPANSION JOINTS.
- CONCRETE FOR CURB AND GUTTER SHALL BE 3,000 PSI MINIMUM.
- 48" SIDEWALKS SHALL BE CONSTRUCTED BY THE BUILDER ON EACH LOT AFTER ALL UTILITY SERVICES ARE INSTALLED AND THE SITE HAS BEEN GRADED AND SHAPED TO ITS FINISHED TOPOGRAPHY. NOT A PART OF THIS PROJECT.

### STORM DRAINAGE & EROSION CONTROL

- ALL STORM DRAINAGE PIPE AND INLETS SHALL BE FLUSHED AND CLEARED OF ANY CONSTRUCTION MATERIALS AND/OR SEDIMENT UPON PROJECT COMPLETION.
- THE CONSTRUCTION EXIT SHALL BE MAINTAINED SUCH THAT ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS MUST BE REMOVED IMMEDIATELY.
- INLET SEDIMENT TRAPS SHALL CONSIST OF HAY BALES FULLY SURROUNDING EACH INLET.
- SEDIMENT BARRIERS SHALL BE HAY BALES PLACED IN ALL DRAINAGE WAYS TO PREVENT SEDIMENT FROM LEAVING CONSTRUCTION SITE.

### WATER & SEWER

- ALL WATER AND SANITARY SEWER CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF RIDGELAND STANDARD SPECIFICATIONS.
- WHERE A SANITARY SEWER MAIN OR SERVICE LINE CROSSES ABOVE A WATER MAIN OR WITHIN 18 INCHES BELOW A WATER MAIN, OR WITHIN 10 FEET ON EITHER SIDE OF A WATER MAIN THE SEWER MAIN OR SERVICE LINE SHALL BE CONSTRUCTED OF DUCTILE IRON.
- SEWER SERVICE LINES SHALL BE 6"; SEWER MAINS SHALL BE 8" SDR-26 PVC.
- WATER SERVICE LINES SHALL BE 3/4" POLYBUTYLENE (1" WHERE NOTED ON PLANS); WATER MAINS SHALL BE 8" C-900 PVC CLASS 150.
- SERVICES FOR WATER AND SEWER SHALL BE LOCATED NEAR THE CENTER OF ALL LOTS WITH 10 FOOT SEPARATION.
- BACK FILL OF ALL TRENCHES UNDER EXISTING OR PROPOSED PAVEMENTS AND CURB AND GUTTER SHALL BE MECHANICALLY COMPACTED IN 9" MAXIMUM LOOSE LIFTS TO A MINIMUM OF 95% STANDARD PROCTOR PEAK DRY DENSITY.
- DEFLECTION TEST SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACK FILL HAS BEEN IN PLACE AT LEAST 30 DAYS. DEFLECTION TEST SHALL BE RUN USING A RIGID BALL OR MANDREL HAVING A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
- WATER MAINS SHALL BE INSTALLED WITH 4' MINIMUM COVER UNDER ROADWAY SECTIONS AND 3' MINIMUM COVER ELSEWHERE.
- CONTRACTOR SHALL MAINTAIN RECORDS DURING CONSTRUCTION OF HORIZONTAL LOCATION OF ALL WATER AND SEWER SERVICES FOR AS BUILT RECORDS.

## INDEX TO DRAWINGS

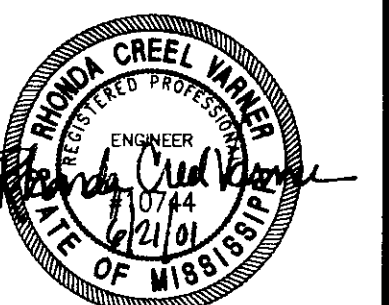
- COVER SHEET
- GENERAL NOTES AND INDEX TO DRAWINGS
- SOUTH HALF STREET & LOT LAYOUT
- NORTH HALF STREET & LOT LAYOUT
- SOUTH HALF WATER & SEWER LAYOUT
- NORTH HALF WATER & SEWER LAYOUT
- SOUTH HALF STORM DRAINAGE LAYOUT
- NORTH HALF STORM DRAINAGE LAYOUT
- PLAN AND PROFILE - MONTROSE DRIVE STA. -0+02.13 - STA. 14+50
- PLAN AND PROFILE - MONTROSE DRIVE STA. 14+50 - STA. 29+50
- PLAN AND PROFILE - MONTROSE DRIVE STA. 29+50 - STA. 36+98.31
- PLAN AND PROFILE - MONTROSE COURT & LA ROCHE COURT STA. 0+00 - STA. 3+47.81 & STA. 0+00 - STA. 7+28.60
- PLAN AND PROFILE - SANITARY SEWER SERVICE OUTFALL & EMERGENCY ACCESS ROAD STA. 0+00 - STA. 4+03.04 & STA. 0+00 - STA. 3+37.07
- STANDARD MISCELLANEOUS DETAILS
- STANDARD SEWER DETAILS

## LEGEND

	PROPERTY LINE
	LOT LINE
	RIGHT OF WAY LINE
	EASEMENT
	SETBACK LINE
	CENTER LINE
	EDGE OF PAVEMENT
	BACK OF CURB
	EXISTING CONTOUR (1' INTERVAL - NVGD DATUM)
	PROPOSED SANITARY SEWER & MANHOLE
	PROPOSED STORM SEWER & CATCH BASIN
	SANITARY SEWER
	WATER LINE
	PROPOSED WATER VALVE
	PROPOSED FIRE HYDRANT
	PROPOSED TEE

**RECORD DRAWING**

BY: R. Hanna DATE: 6/21/02



**MONTROSE  
A DEVELOPMENT OF  
MONTROSE, LLC**

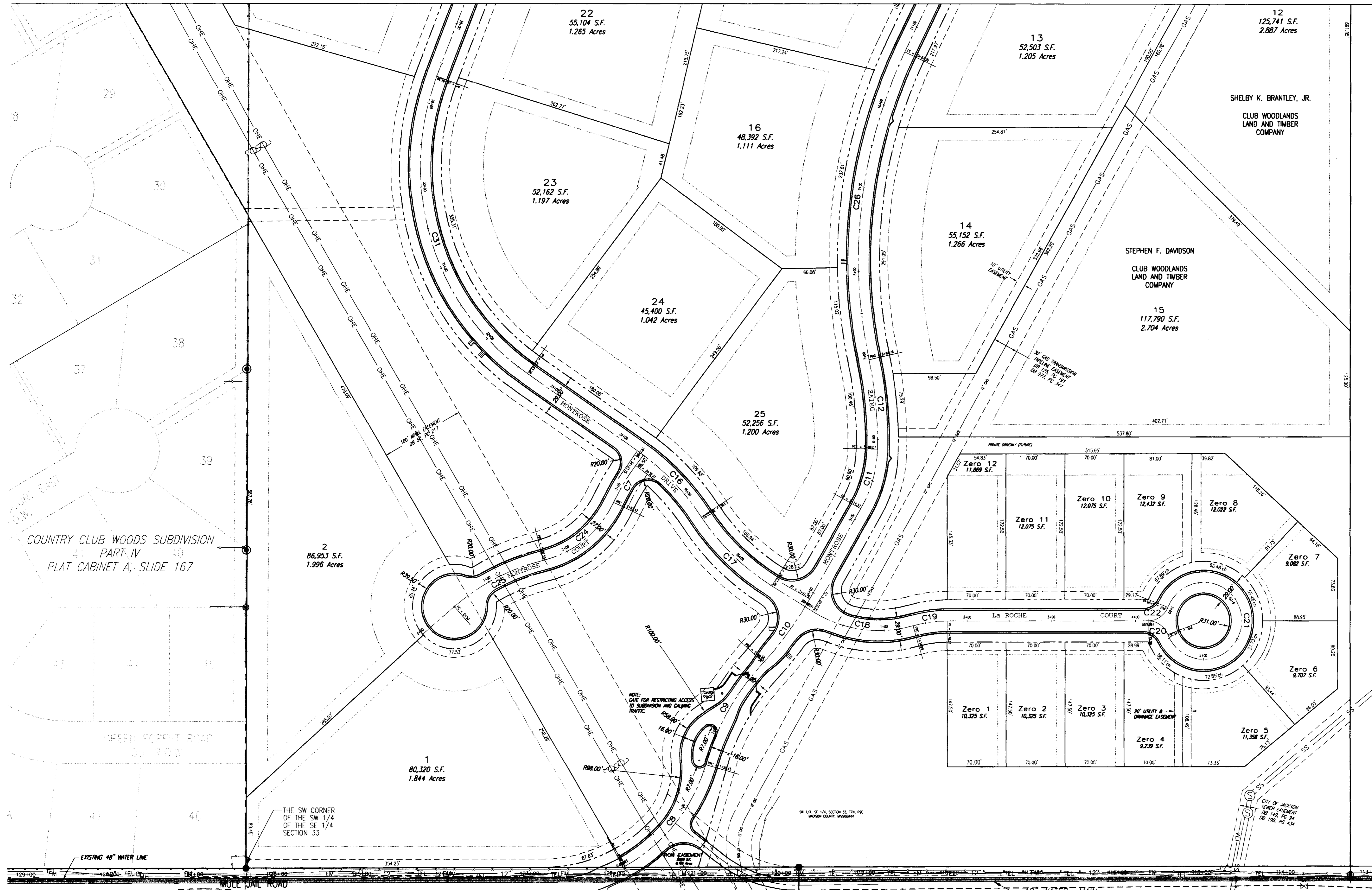
**GENERAL NOTES  
AND INDEX TO DRAWINGS**

**CITY OF RIDGELAND  
MADISON COUNTY, MISSISSIPPI**

DESIGN: R.V.	DATE: 12/11/00	DRAWING NO. <b>2 OF 15</b>
DRAWN: R.D.B.	DATE: 11/16/00	
CHECK: R.V.	DATE: 11/16/00	
SCALE: AS SHOWN		

**STERLING  
Consultants**

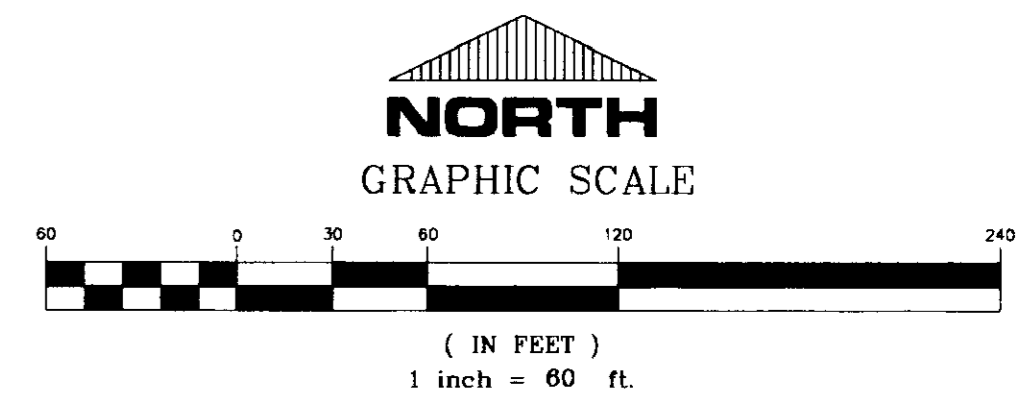
AS-BUILT PLANS	R.V.	01/11/01
REVISED STREET GRADE, STORM & SANITARY SEWER	R.D.B.	11/16/00
REVISION	BY	DATE



CURVE NO.	ARC DISTANCE	RADIUS	CENTRAL ANGLE	CHORD
C1	160.58'	200.00'	46°00'06"	N 39°03'00" E 156.30'
C2	139.88'	300.00'	26°42'57"	S 29°24'26" W 138.62'
C3	93.45'	400.00'	13°23'11"	N 36°04'19" E 93.24'
C4	73.70'	150.00'	28°09'10"	N 15°18'09" W 106.43'
C5	106.69'	445.43'	13°43'23"	N 05°38'08" W 106.43'
C6	372.60'	568.45'	37°41'19"	S 06°20'50" W 365.92'
C7	129.88'	480.00'	15°30'11"	N 17°26'24" E 129.48'
C8	131.09'	310.46'	24°11'32"	N 02°24'27" W 130.12'
C9	102.46'	460.00'	13°23'04"	S 07°48'41" E 102.21'
C10	132.92'	75.00'	101°32'45"	N 51°53'31" W 116.20'
C11	115.90'	282.11'	23°32'21"	N 89°06'17" E 115.09'
C12	290.66'	837.64'	19°52'55"	N 89°04'00" W 289.21'
C13	230.05'	115.00'	114°36'57"	S 23°41'04" W 193.56'
C14	236.25'	250.00'	54°08'36"	N 08°33'06" W 227.55'
C15	396.70'	300.00'	75°45'48"	S 17°21'42" E 368.42'
C16	110.44'	293.00'	21°35'50"	N 44°26'41" W 109.79'
C17	117.90'	275.00'	24°33'49"	S 45°55'41" E 117.00'
C18	124.77'	150.00'	47°39'30"	S 82°02'20" E 121.20'
C19	41.22'	150.00'	15°44'40"	S 82°00'15" W 41.09'
C20	30.21'	25.00'	69°13'50"	N 55°30'30" W 28.40'
C21	252.90'	45.50'	318°27'39"	N 00°07'25" W 32.27'
C22	30.21'	25.00'	69°13'50"	N 55°15'40" E 28.40'
C23	50.89'	250.00'	11°39'43"	S 30°45'10" E 50.80'
C24	111.89'	125.00'	51°17'12"	N 50°33'55" E 108.19'
C25	119.53'	250.00'	27°23'42"	S 62°30'40" W 118.40'

COUNTRY CLUB WOODS SUBDIVISION  
 41 PART IV  
 PLAT CABINET A, SLIDE 167

**RECORD DRAWING**  
 BY: *R. Warner* DATE: 6/21/01



**MONTROSE  
 A DEVELOPMENT OF  
 MONTROSE, LLC**

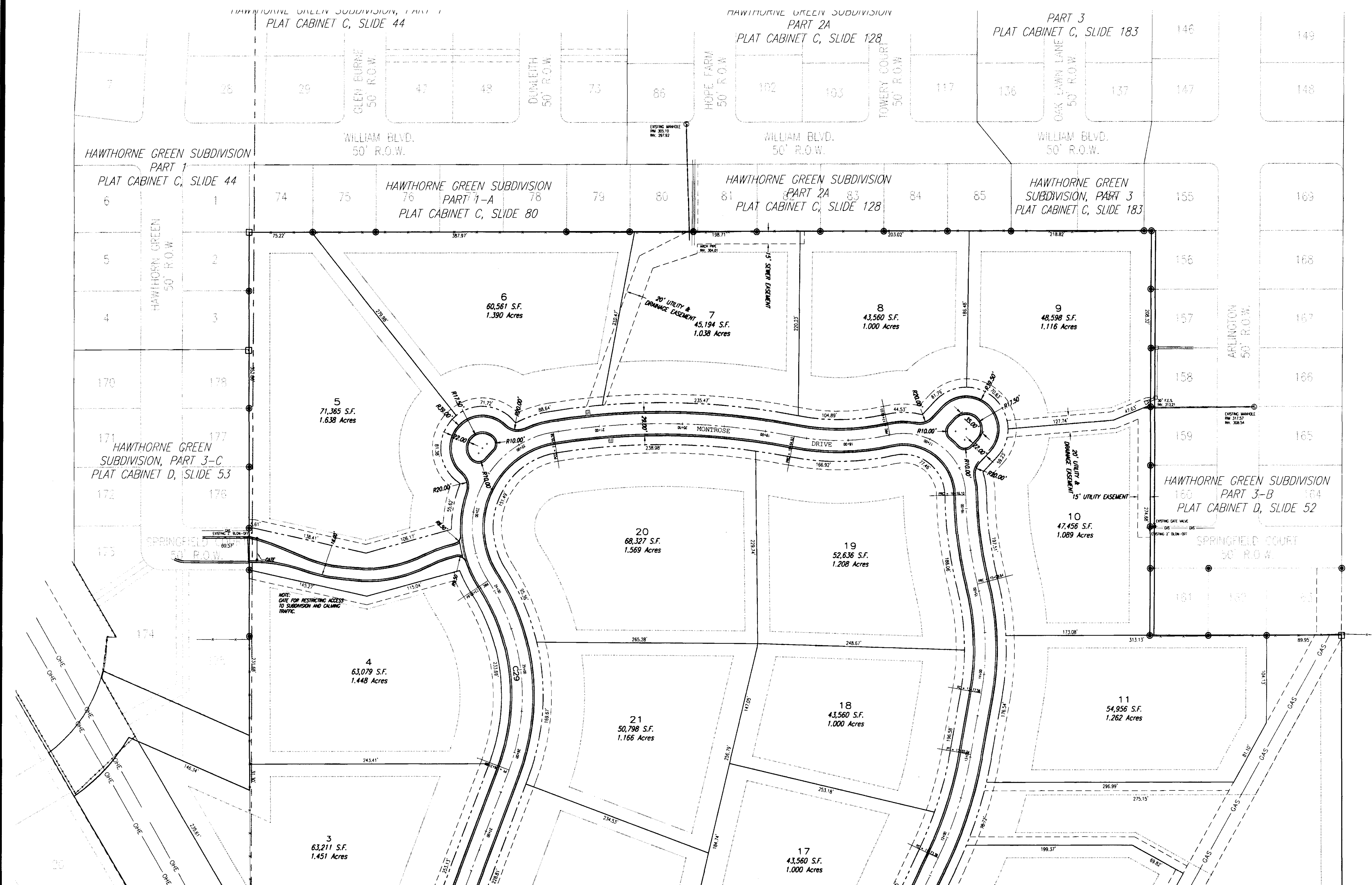
**SOUTH HALF  
 STREET & LOT LAYOUT**

**CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI**



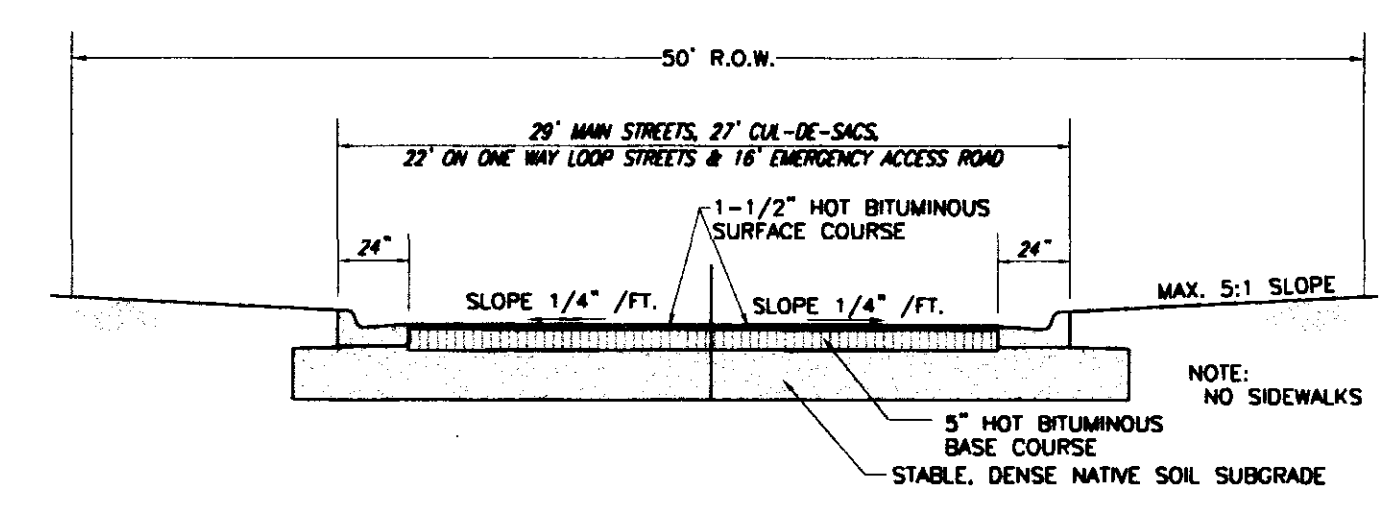
AS-BUILT PLANS	REV	DATE
REVISED STREET GRADES, STORM & SANITARY SEWER	RDD	11/5/02
REVISION	BY	DATE

PROP. R.C.V.	DATE: 12/10/00	DRAWING NO. <b>3 OF 15</b>
DEW. R.D.B.	DATE: 12/10/00	
CHKD. R.C.V.	DATE: 11/10/00	
SCALE: 1"=60'	STERLING CONSULTANTS CORPORATION ENGINEERS	



CURVE TABLE				
CURVE NO.	ARC DISTANCE	RADIUS	CENTRAL ANGLE	CHORD
C1	160.58'	200.00'	46°00'06"	N 39°03'00" E 156.30'
C2	139.88'	300.00'	26°42'57"	S 29°24'26" W 138.62'
C3	93.45'	400.00'	13°23'11"	N 36°04'19" E 93.24'
C4	73.70'	150.00'	28°09'10"	N 15°18'09" E 72.96'
C5	106.69'	445.43'	13°43'23"	N 05°38'08" W 106.43'
C6	372.60'	566.45'	37°41'19"	S 06°20'50" W 365.82'
C7	129.88'	480.00'	15°30'11"	N 17°26'24" E 129.48'
C8	131.09'	310.46'	24°11'32"	N 02°24'27" W 130.12'
C9	107.46'	480.00'	13°23'04"	S 07°48'41" E 107.21'
C10	132.92'	75.00'	101°32'45"	N 51°53'31" W 116.20'
C11	115.90'	282.11'	23°32'21"	N 89°04'00" E 115.09'
C12	290.66'	837.64'	19°52'55"	N 89°04'00" W 289.21'
C13	230.05'	115.00'	114°36'57"	S 87°41'04" W 193.56'
C14	236.25'	250.00'	54°08'36"	N 06°33'06" W 227.55'
C15	396.70'	300.00'	75°45'48"	S 17°21'42" E 368.42'
C16	110.44'	293.00'	21°35'50"	N 44°26'41" E 109.79'
C17	117.90'	275.00'	24°33'49"	S 45°55'41" E 117.00'
C18	124.77'	150.00'	47°39'30"	S 82°02'20" E 121.20'
C19	41.22'	150.00'	15°44'40"	S 82°00'15" W 41.09'
C20	30.21'	25.00'	69°13'50"	N 55°30'30" W 28.40'
C21	252.90'	45.50'	318°27'39"	N 00°07'25" W 32.22'
C22	30.21'	25.00'	69°13'50"	N 55°15'40" E 28.40'
C23	30.89'	250.00'	11°39'43"	S 30°45'10" W 50.80'
C24	111.89'	125.00'	51°17'12"	N 50°33'55" E 108.19'
C25	119.53'	250.00'	27°23'42"	S 62°30'40" W 118.40'

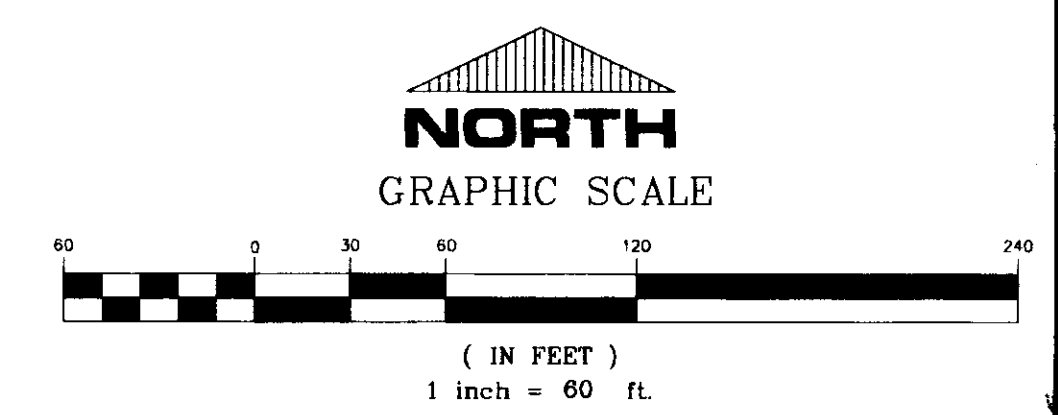
MATCH DRAWING NO. 3 OF 15



TYPICAL STREET SECTION  
NOT TO SCALE  
STREETS TO BE PRIVATE

RECORD DRAWING

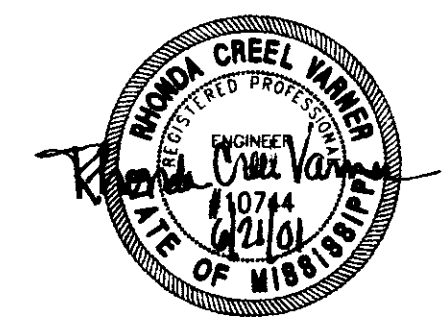
BY: *R. Vanna* DATE: 6/21/01



MONTROSE  
A DEVELOPMENT OF  
MONTROSE, LLC

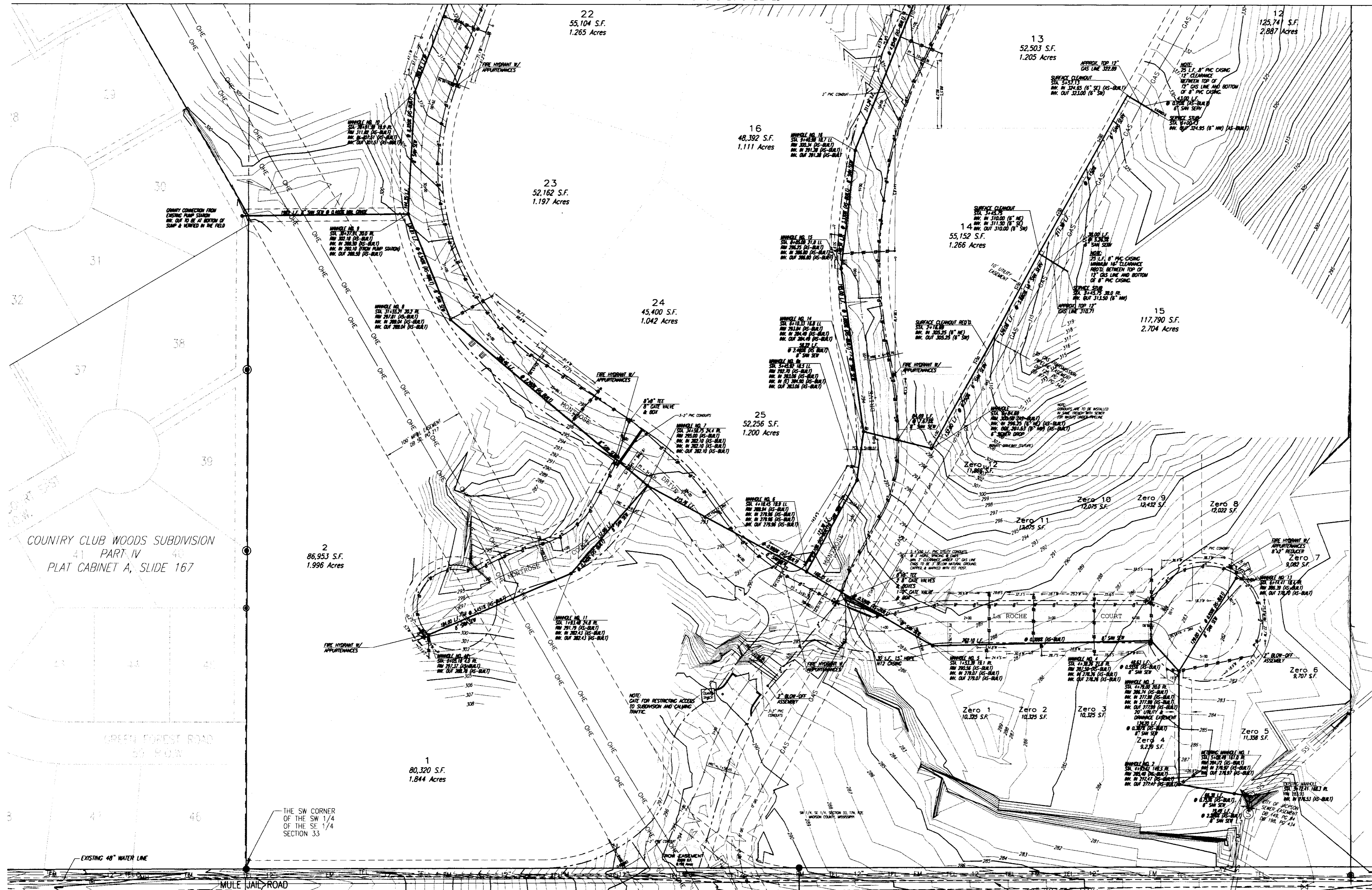
NORTH HALF  
STREET & LOT LAYOUT

CITY OF RIDGELAND  
MADISON COUNTY, MISSISSIPPI



AS-BUILT PLANS	REV	DATE
REVISED STREET GRADES, STORM & SANITARY SEWER	RDD	11/6/00
REVISION	BY	DATE

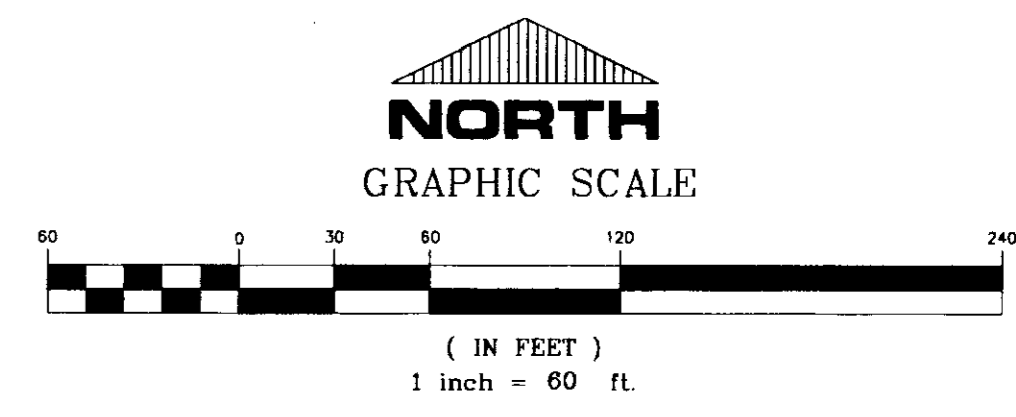
DESIGN	REV	DATE	11/10/00	STERLING Consultants CORPORATION	DRAWING NO. <b>4</b> OF <b>15</b>	
DRAWN	RDD	DATE	11/10/00			
CHECK	REV	DATE	11/10/00			
SCALE	1"=40'					



COUNTRY CLUB WOODS SUBDIVISION  
PART IV  
PLAT CABINET A, SLIDE 167

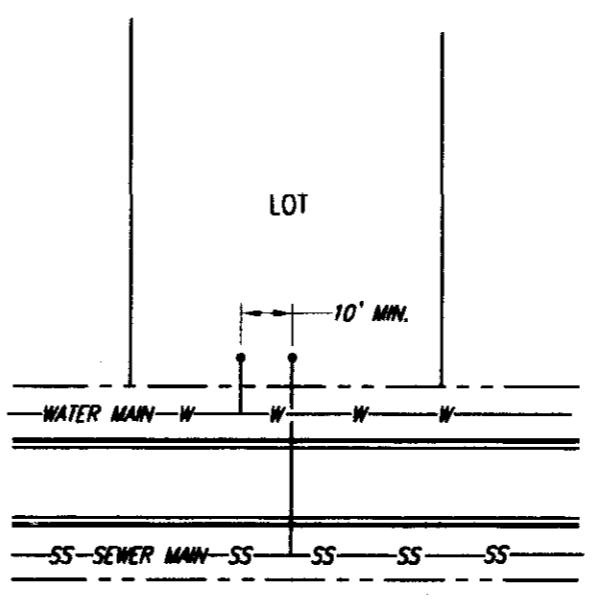
GREEN FOREST ROAD  
50' R.O.W.

THE SW CORNER  
OF THE SW 1/4  
OF THE SE 1/4  
SECTION 33



**RECORD DRAWING**

BY: *R. Hanna* DATE: 6/21/01



TYPICAL WATER & SEWER SERVICE LOCATION DETAIL  
NOT TO SCALE



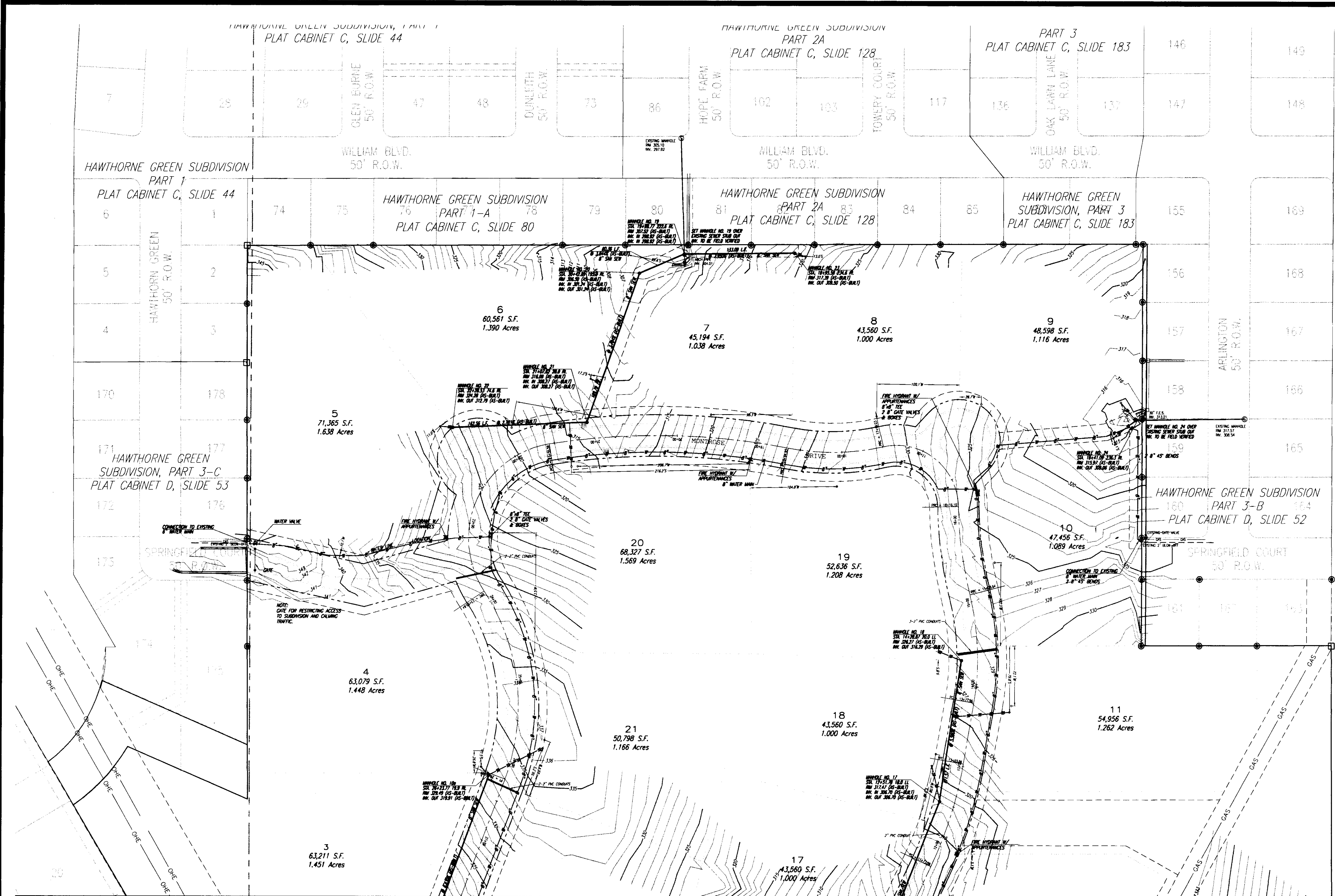
**MONTROSE**  
A DEVELOPMENT OF  
MONTROSE, LLC

**SOUTH HALF**  
WATER & SEWER LAYOUT

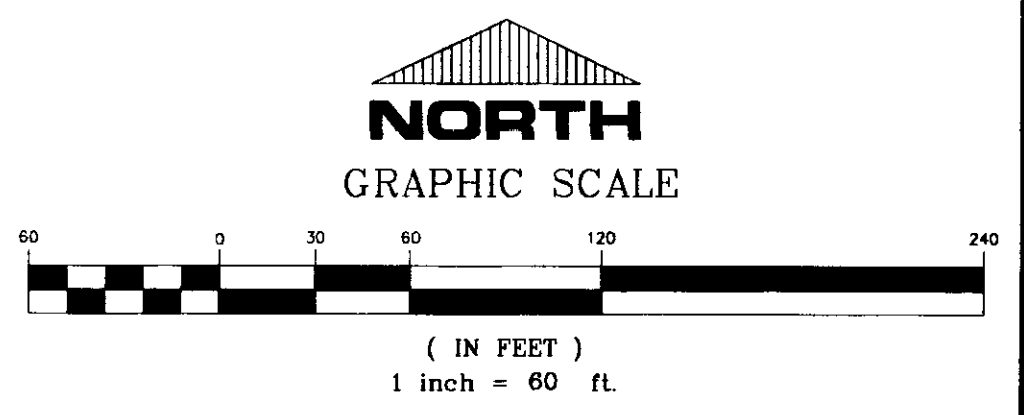
**CITY OF RIDGELAND**  
MADISON COUNTY, MISSISSIPPI

AS-BUILT PLANS	REV	DATE
REVISED STREET GRADES, STORM & SANITARY SEWER	RDP	11/15/00
REVISION	BT	DATE

DRGN: RCV	DATE: 12/10/00	DRAWING NO. <b>5 of 15</b>
DRWN: RDP	DATE: 12/10/00	
CHKD: RCV	DATE: 11/10/00	
SCALE: 1"=60'	STERLING CONSULTANTS ENGINEERS	

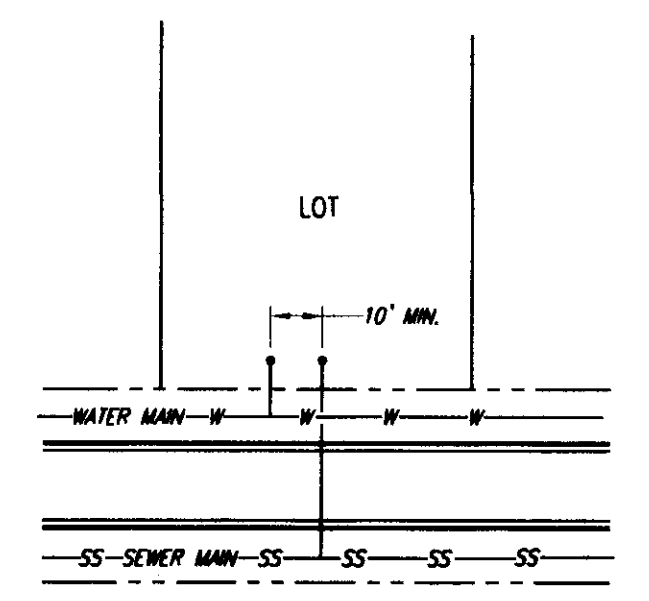


MATCH DRAWING NO. 5 OF 15

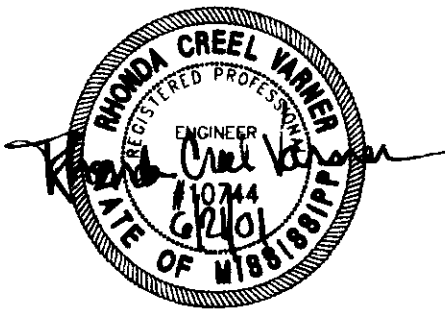


**RECORD DRAWING**

BY: *R. Mann* DATE: 6/21/01



TYPICAL WATER & SEWER SERVICE LOCATION DETAIL  
NOT TO SCALE



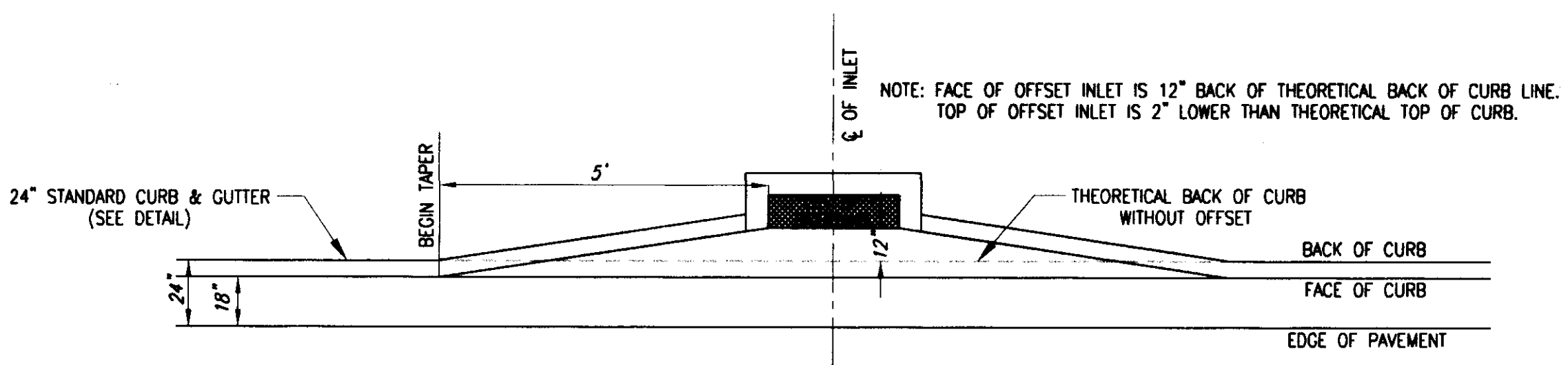
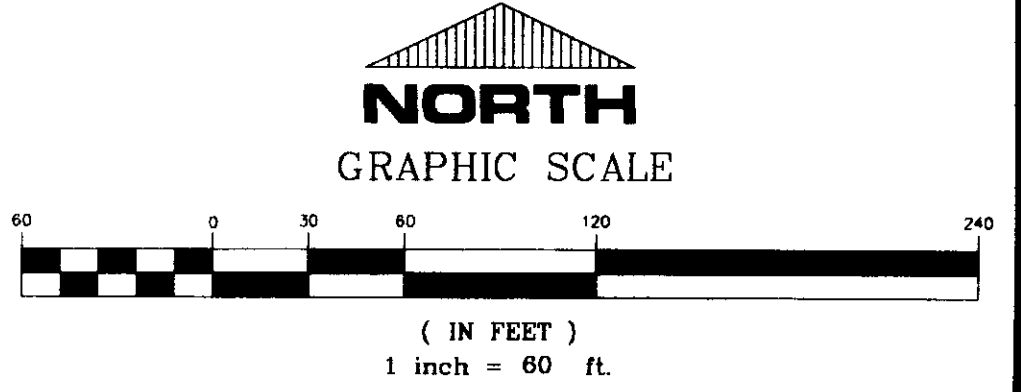
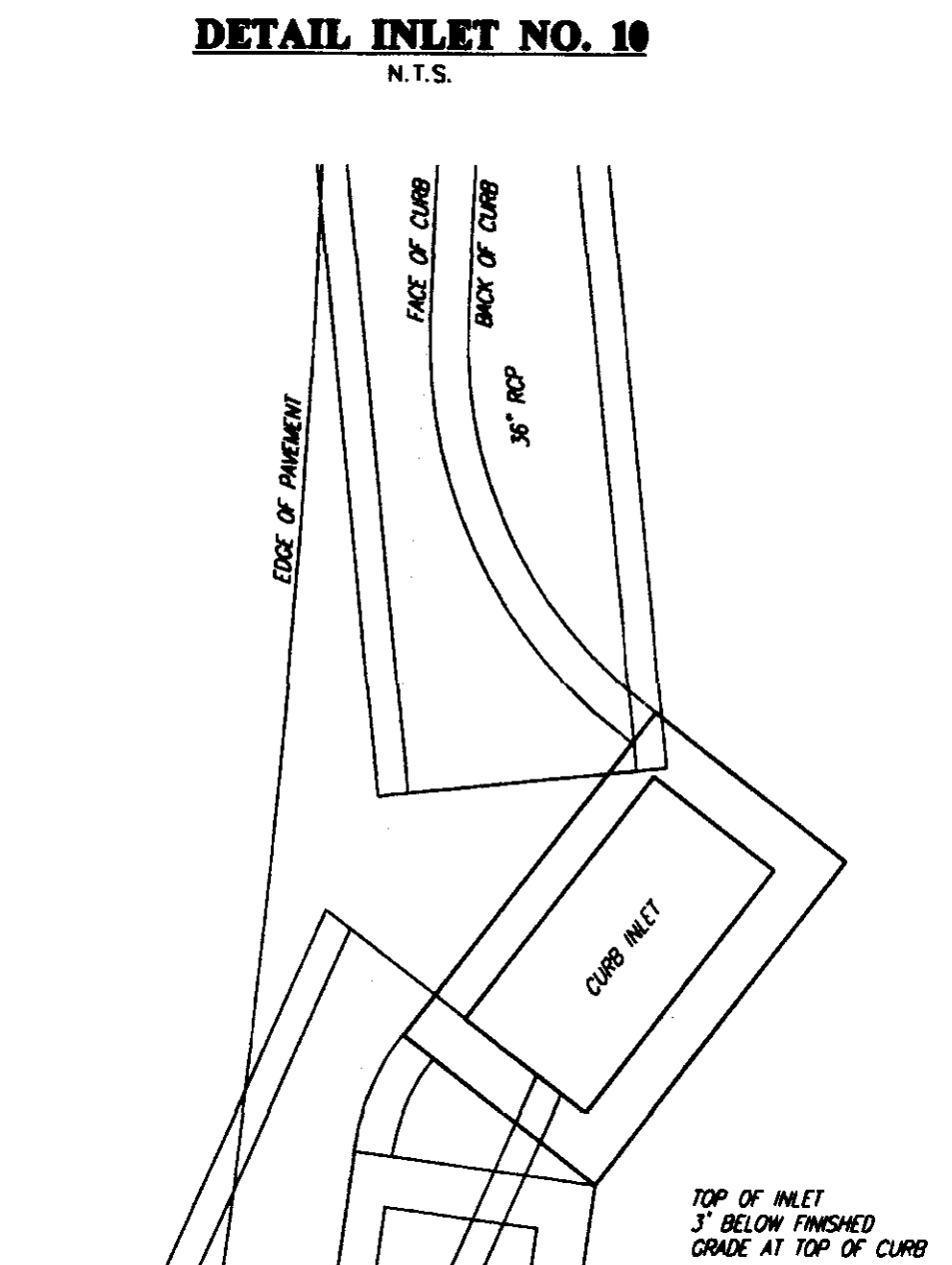
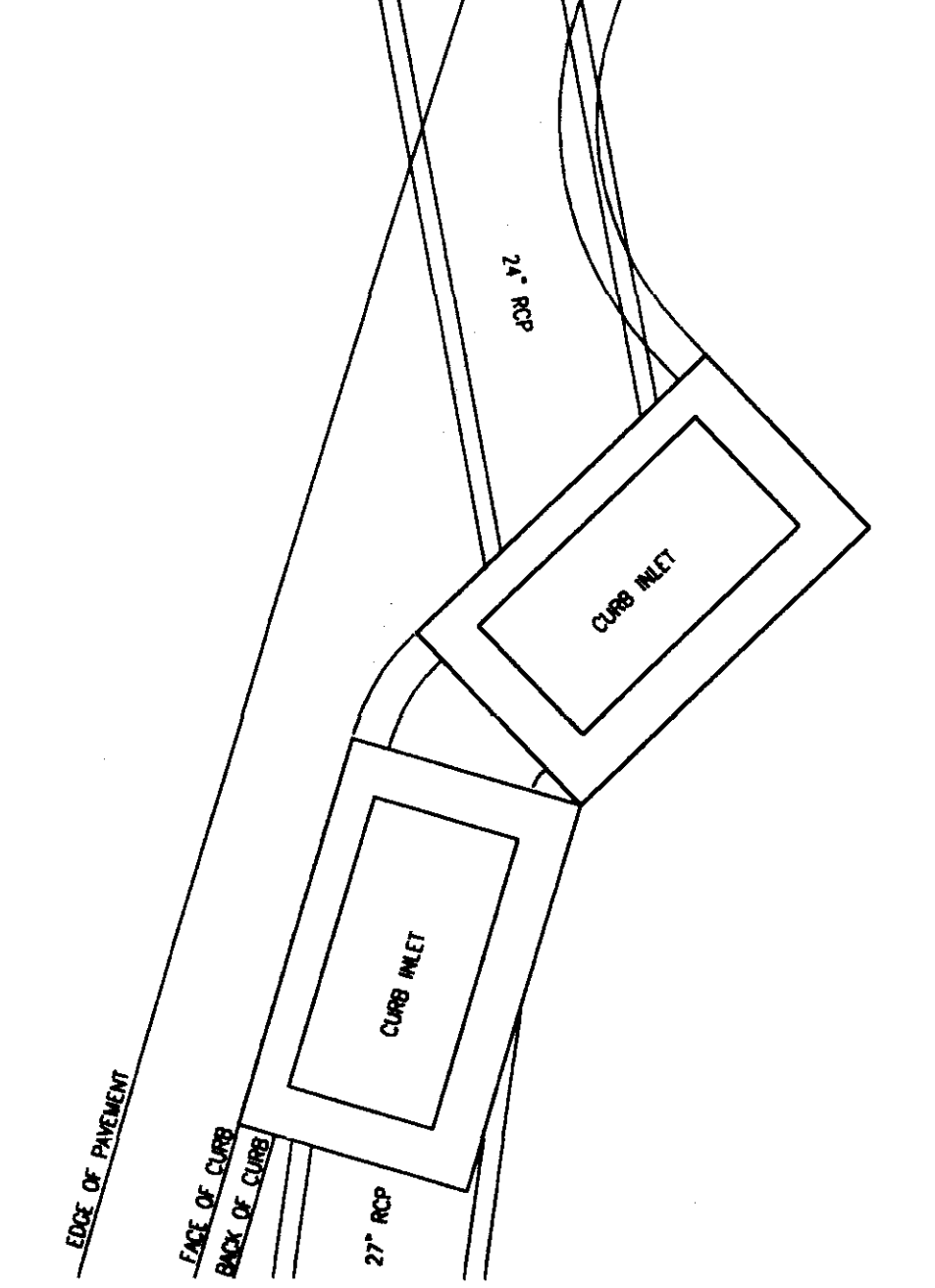
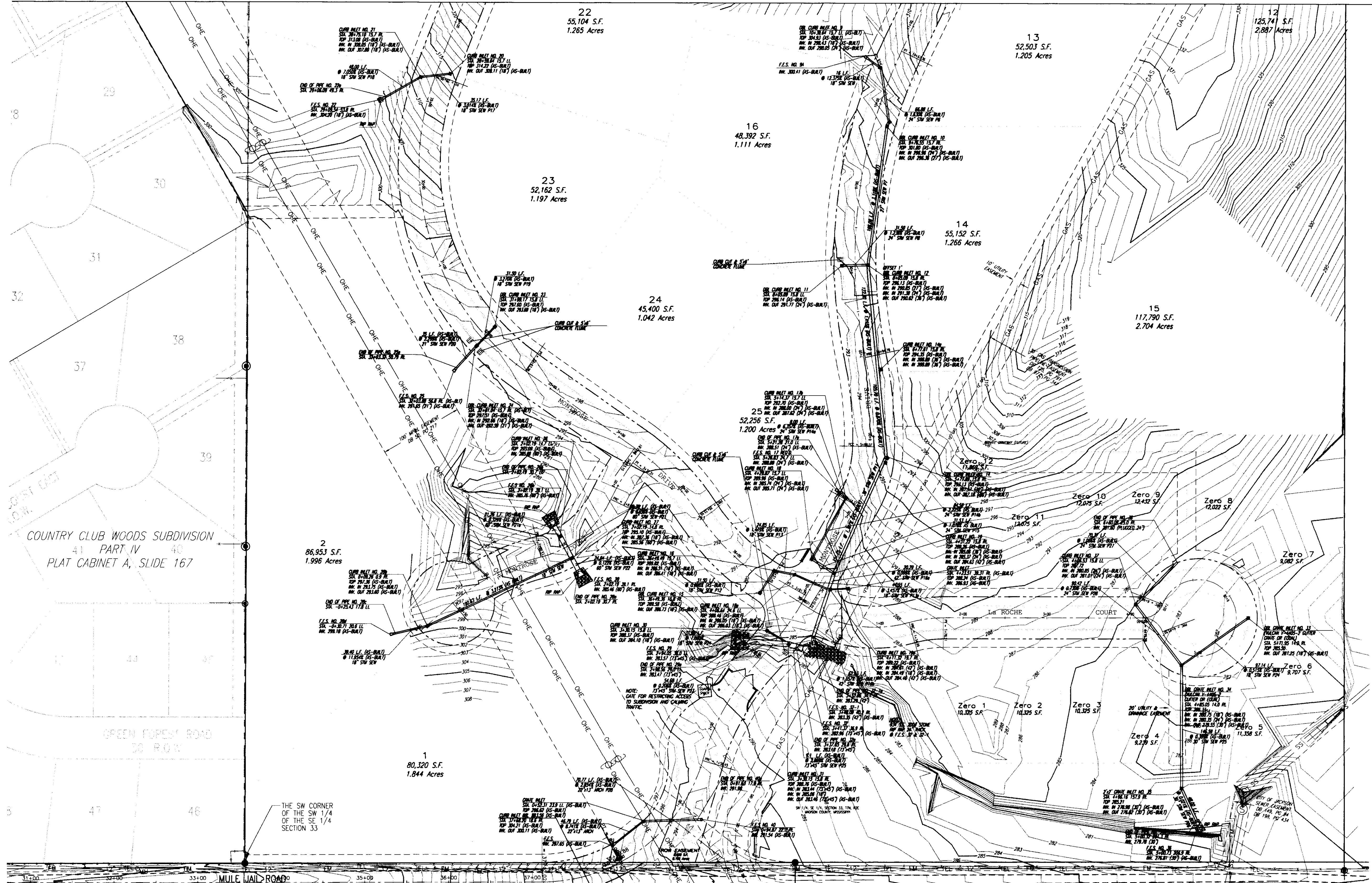
**MONTROSE**  
A DEVELOPMENT OF  
MONTROSE, LLC

**NORTH HALF**  
**WATER & SEWER LAYOUT**

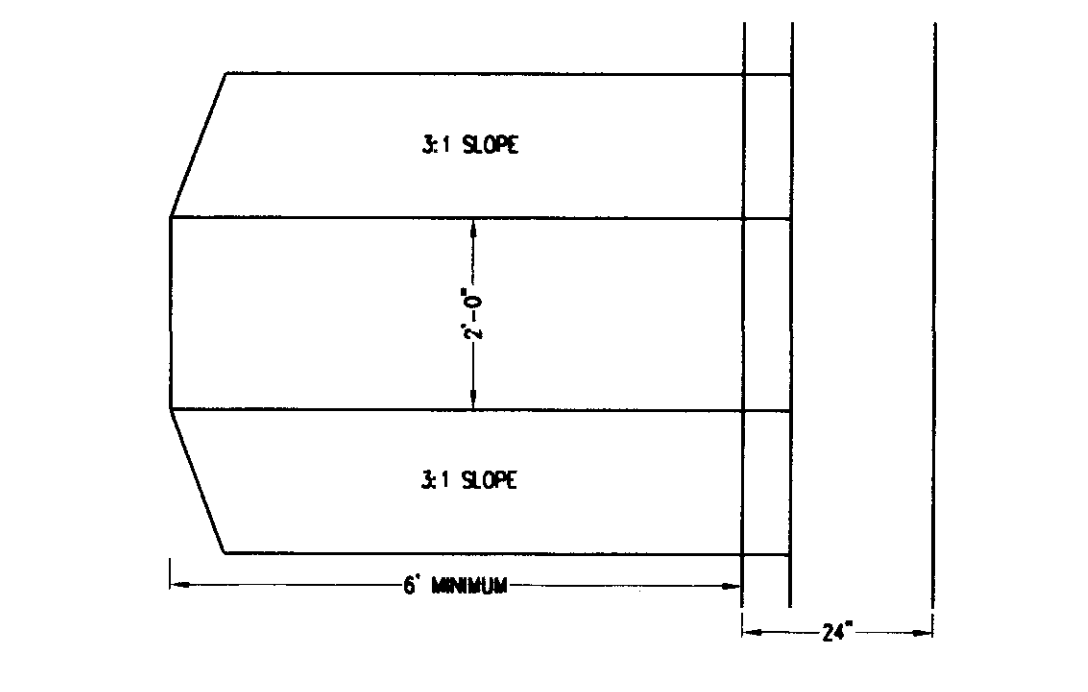
**CITY OF RIDGELAND**  
**MADISON COUNTY, MISSISSIPPI**

DESIGN: RCV	DATE: 01/01/00		DRAWING NO. <b>6 OF 15</b>
DRAWN: RDP	DATE: 01/01/00		
CHECK: RCV	DATE: 11/11/00		
SCALE: 1"=60'			

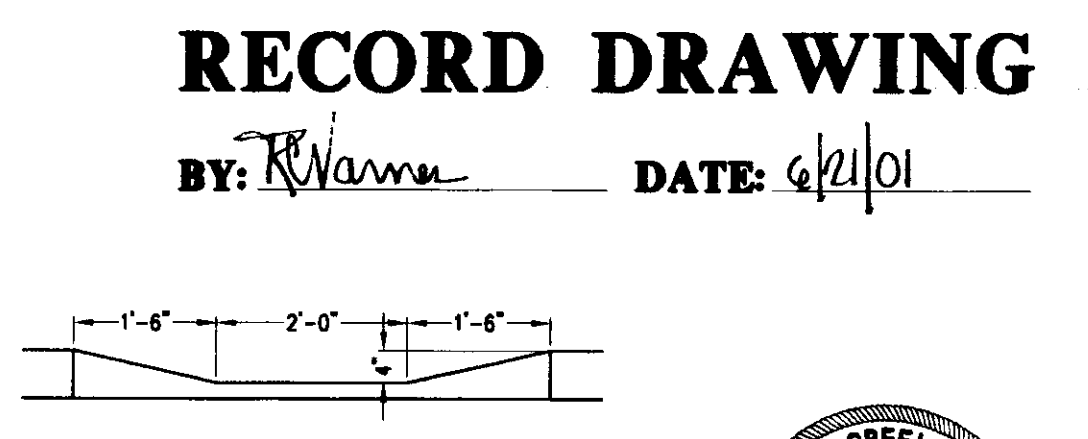
REVISION	BY	DATE
AS-BUILT PLANS	RCV	01/01/01
REVISED STREET GRADES, STORM & SANITARY SEWER	RDP	11/16/00



**OFFSET CURB INLET DETAIL**  
N.T.S.

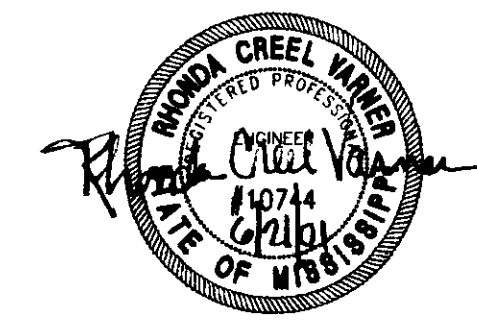


**TYPICAL CURB CUT/CONCRETE FLUME**  
N.T.S.



**RECORD DRAWING**

BY: *R. Vann* DATE: 6/21/01



**MONTROSE**  
A DEVELOPMENT OF  
MONTROSE, LLC

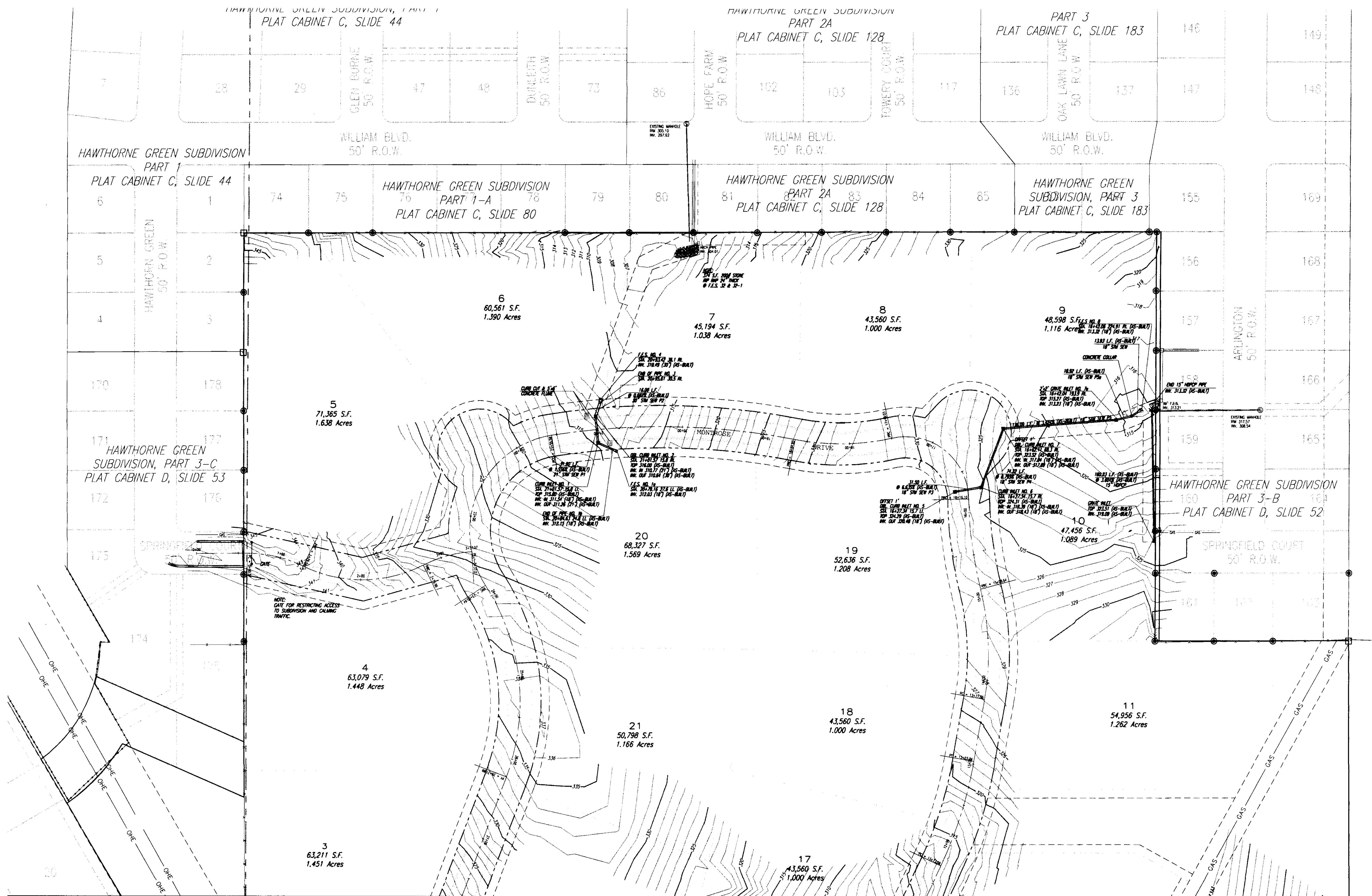
**SOUTH HALF**  
**STORM DRAINAGE LAYOUT**

**CITY OF RIDGELAND**  
**MADISON COUNTY, MISSISSIPPI**

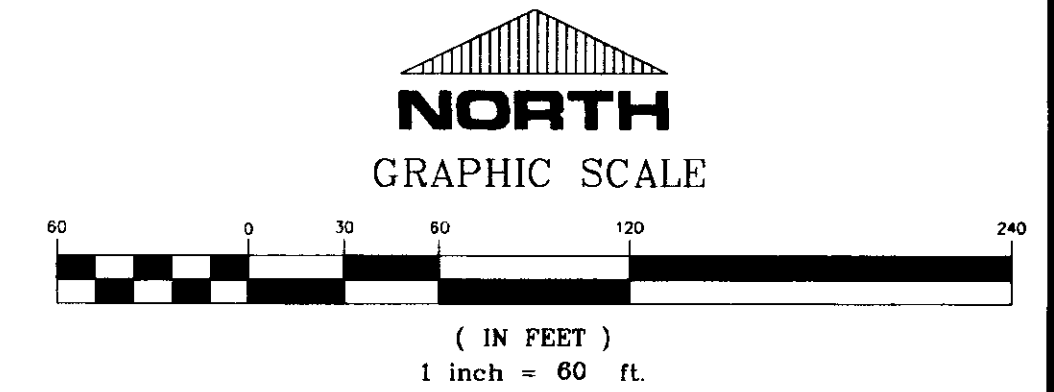
REVISION	BY	DATE
AS-BUILT PLANS	RCV	01/10/00
REVISED STREET GRADES, STORM & SANITARY SEWER	RDB	11/15/00

ISSUE	DATE	DRAWING NO.
RCV	01/10/00	7
RDB	11/15/00	15
RCV	01/10/00	

**STERLING**  
Consultants  
CONSULTING ENGINEERS



MATCH DRAWING NO. 7 OF 15



**RECORD DRAWING**

BY: *R. W. ...* DATE: 6/21/01

**MONTROSE**  
A DEVELOPMENT OF  
**MONTROSE, LLC**

**NORTH HALF**  
**STORM DRAINAGE LAYOUT**

**CITY OF RIDGELAND**  
**MADISON COUNTY, MISSISSIPPI**

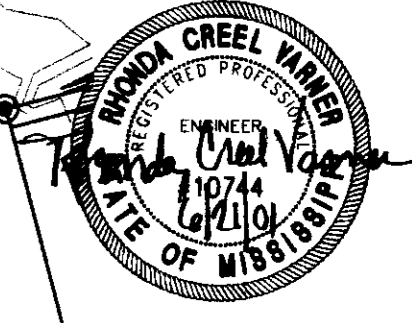
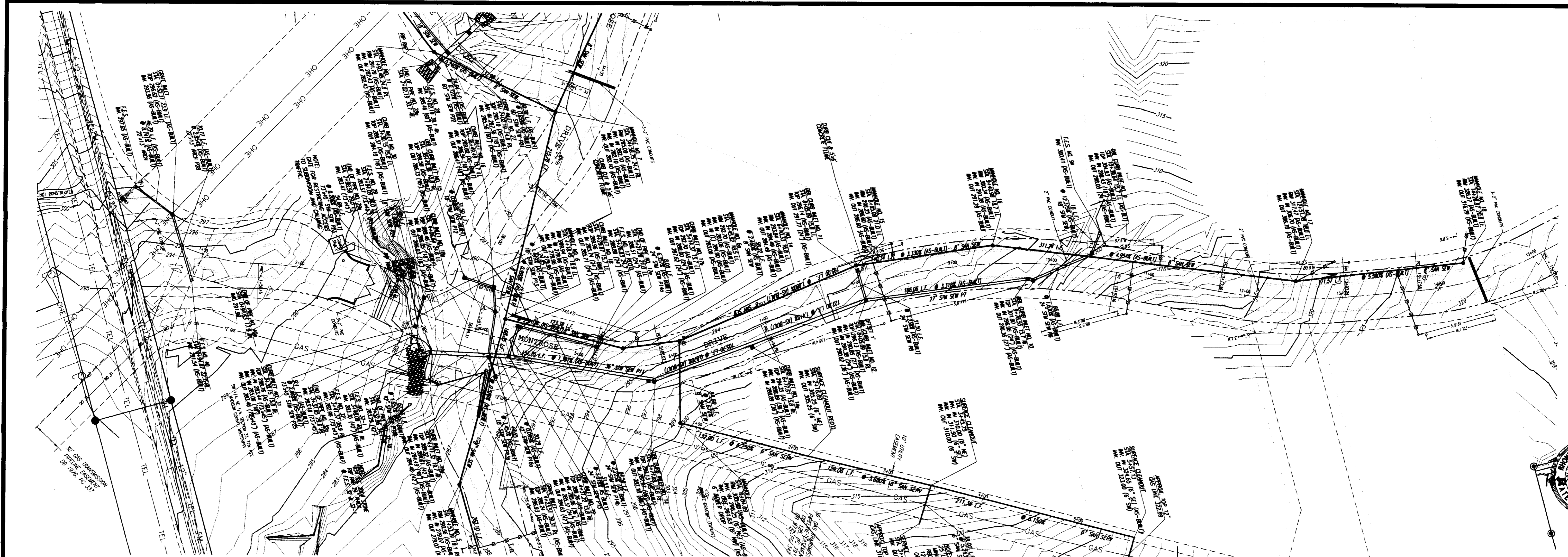


REVISION	BY	DATE
AS-BUILT PLANS	RCV	01/10/00
REVISED STREET GRADES, STORM & SANITARY SEWER	RDB	11/15/00

DRAWN: RDB	DATE: 11/15/00	DRAWING NO. <b>8 OF 15</b>
CHECK: RCV	DATE: 11/15/00	
SCALE: 1"=60'		

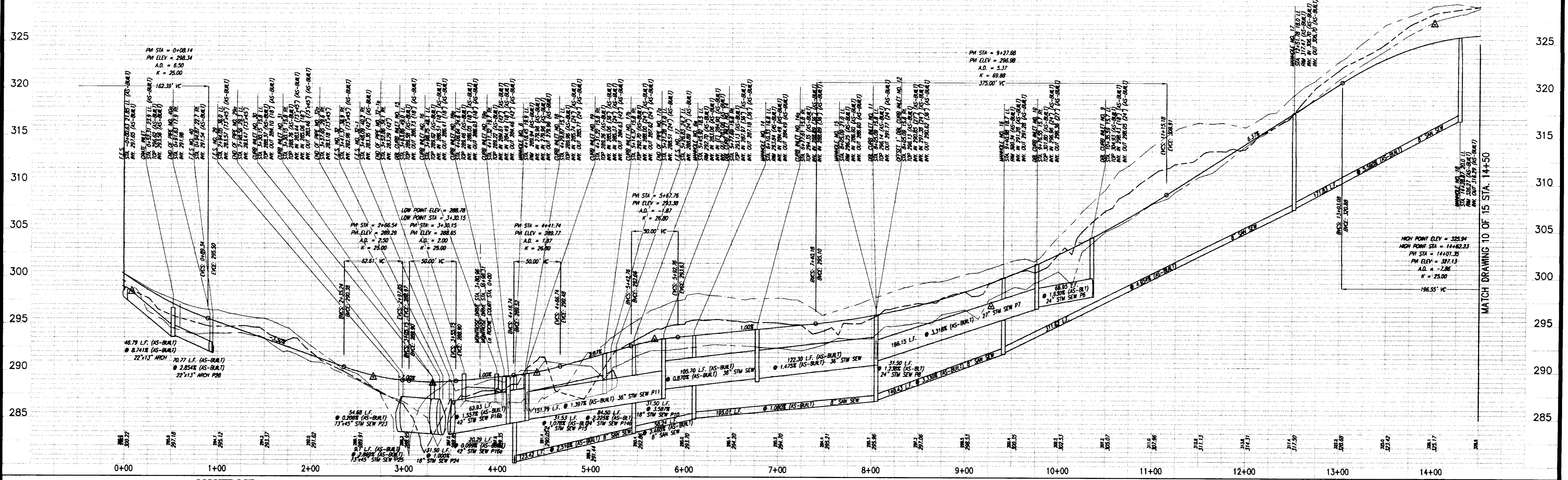
**STERLING**  
CONSULTANTS  
INCORPORATED  
ENGINEERING PROFESSIONALS





**RECORD DRAWING** SCALE 1" = 50' HORIZ.  
 1" = 5' VERT.  
 BY: *R. Williams* DATE: 6/21/01

REV	DATE	BY	DESCRIPTION
1	12/10/00	RWB	AS-BUILT PLANS
2	11/16/00	RWB	REVISED STREET GRADES, STORM & SANITARY SEWER



**MONTROSE  
 CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI**

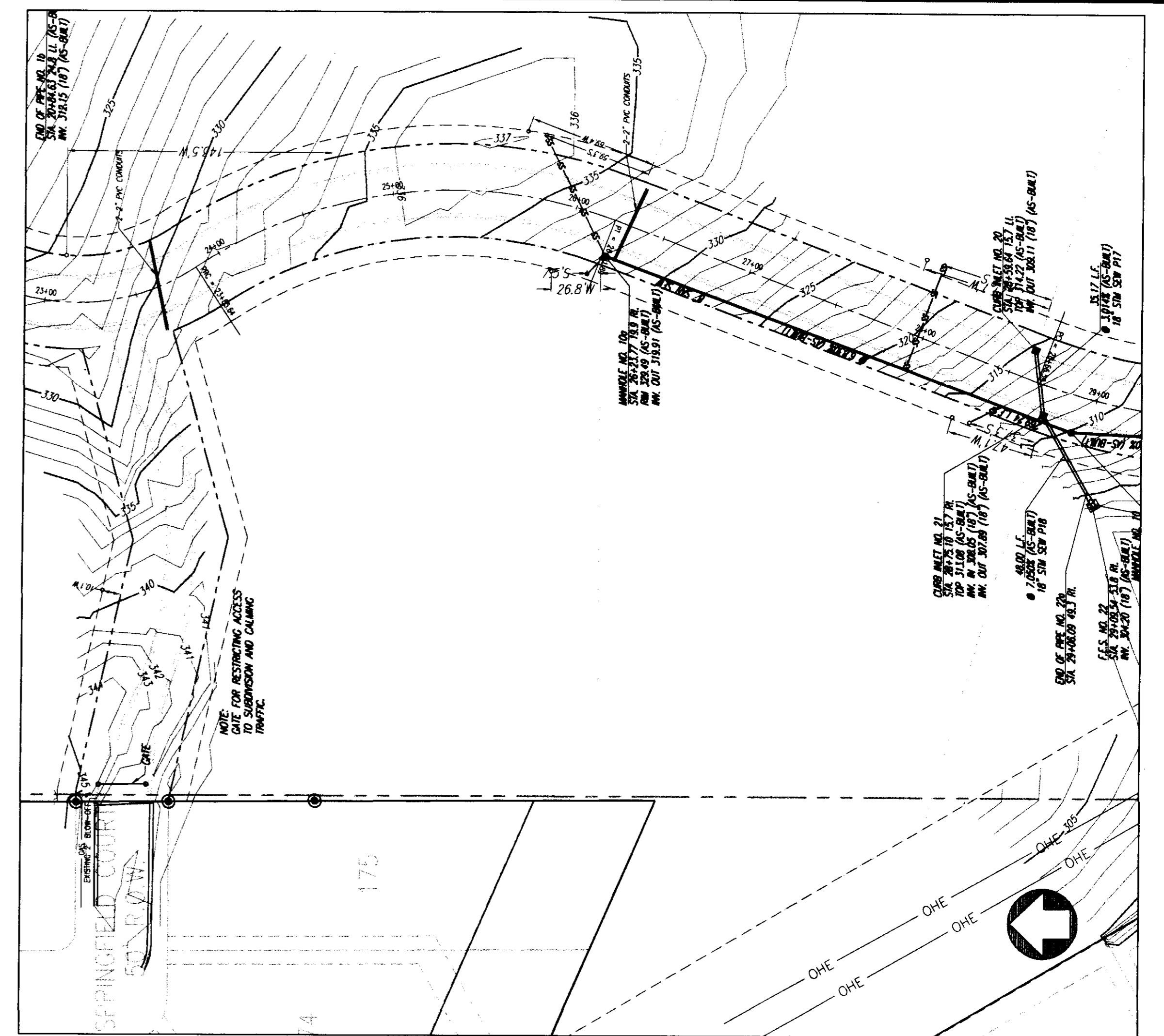
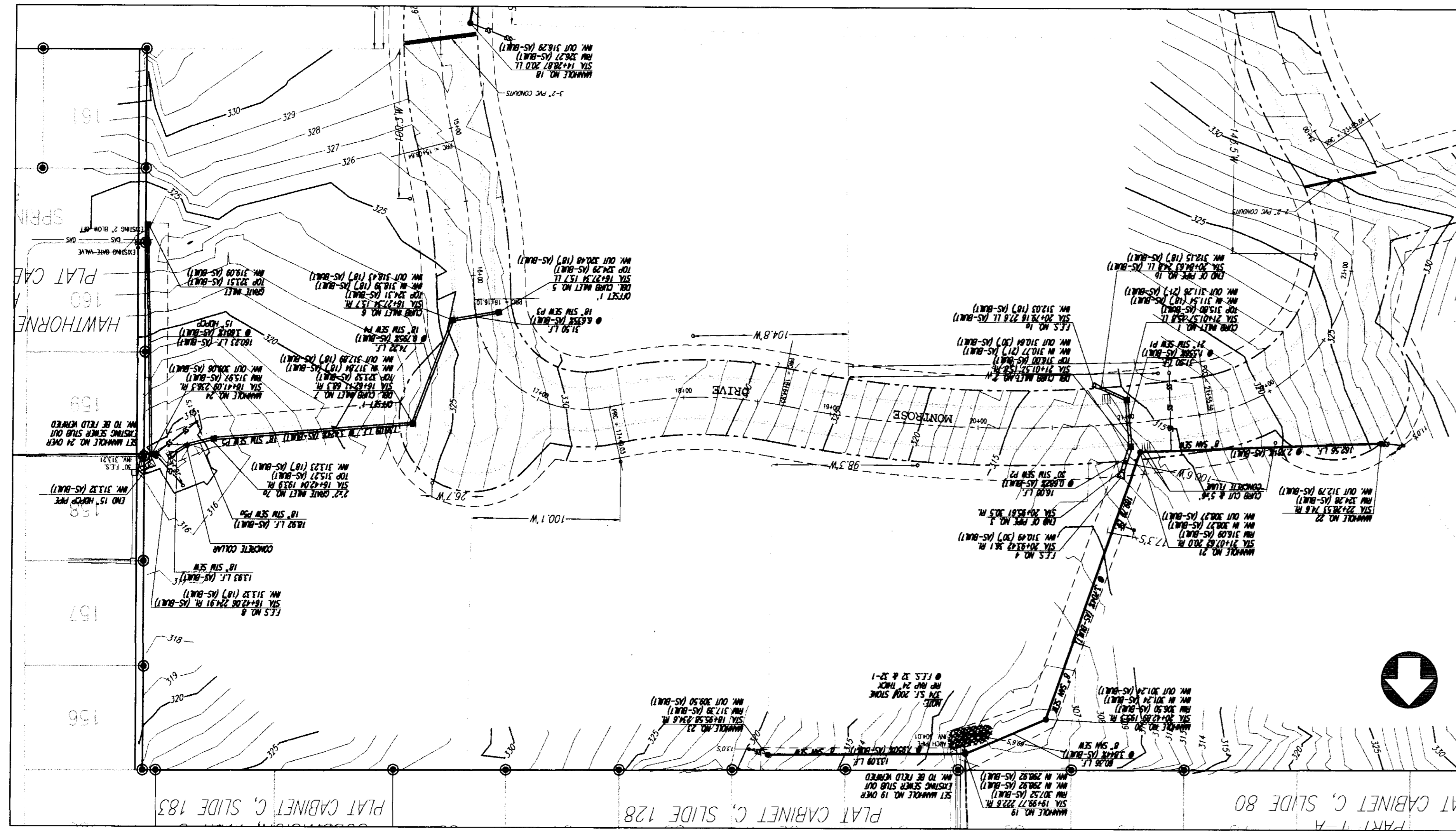
**PLAN AND PROFILE - MONTROSE DRIVE  
 STA. -0+02.13 - STA. 14+50**

Prepared For:  
**MONTROSE, LLC  
 RIDGELAND, MISSISSIPPI**

Drawn By: RRB	DATE: 12/10/00
Checked By: RRB	DATE: 11/16/00
Scale: 1"=50' HORIZ.	1"=5' VERT.

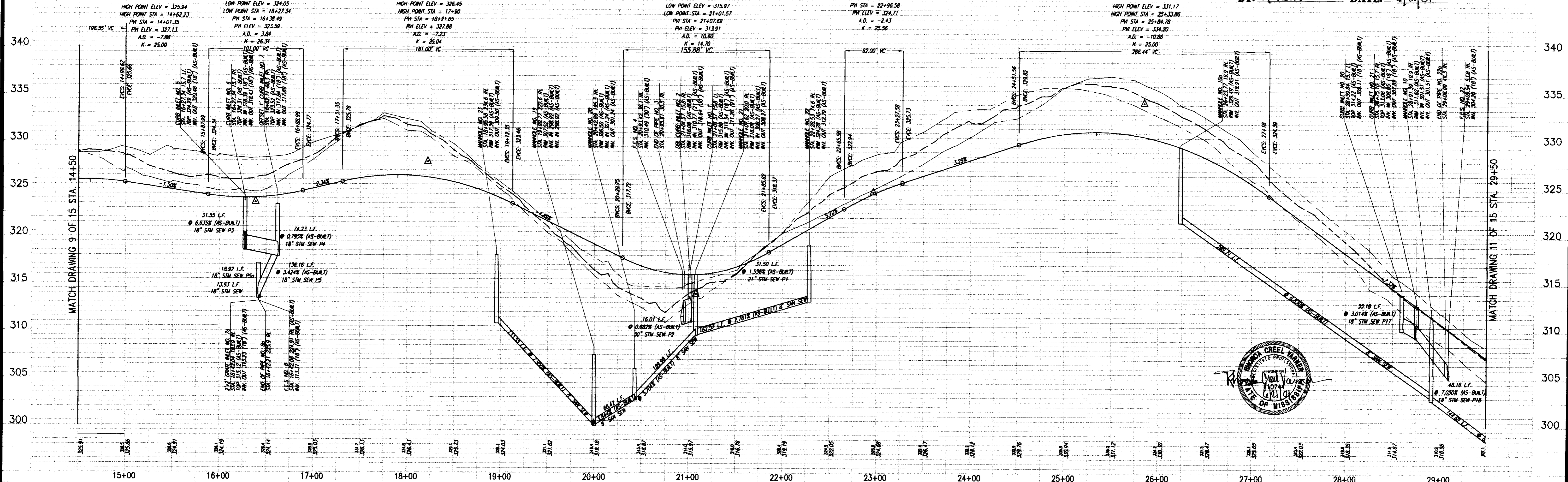
**STERLING**  
 CONSULTANTS  
 ENGINEERS & ARCHITECTS

Drawing No.  
**9 of 15**



REV	BY	DATE
1	RDB	11/16/00
2	CV	11/16/00

**RECORD DRAWING**  
 SCALE 1"=50' HORIZ.  
 1"= 5' VERT.  
 BY: *Revanna* DATE: 6/21/01



**MONTROSE**  
 CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI

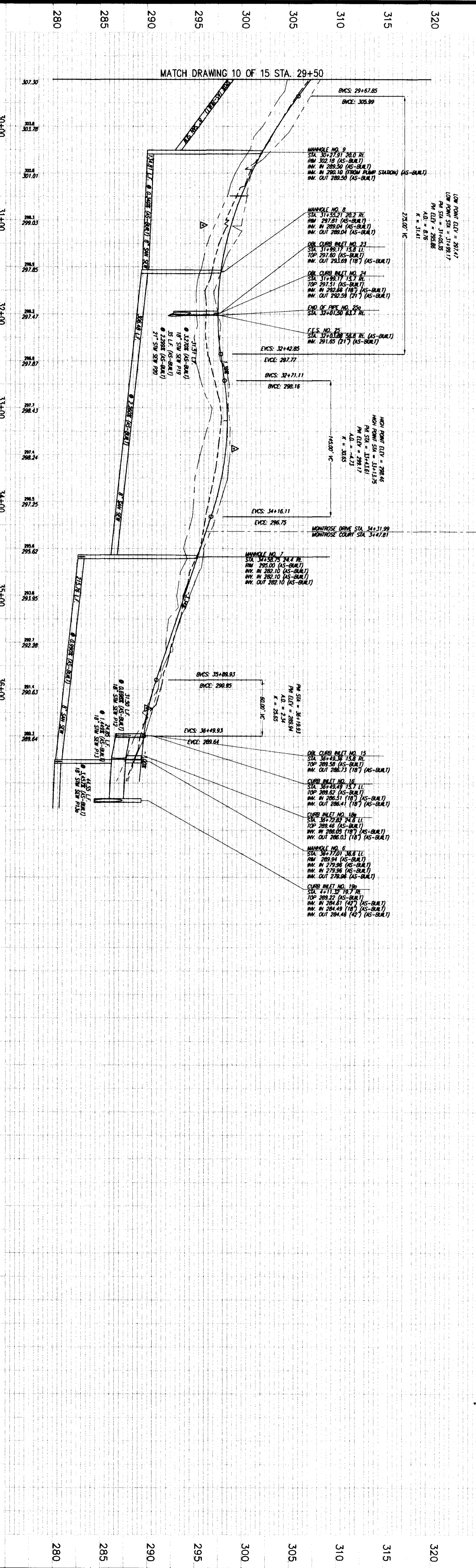
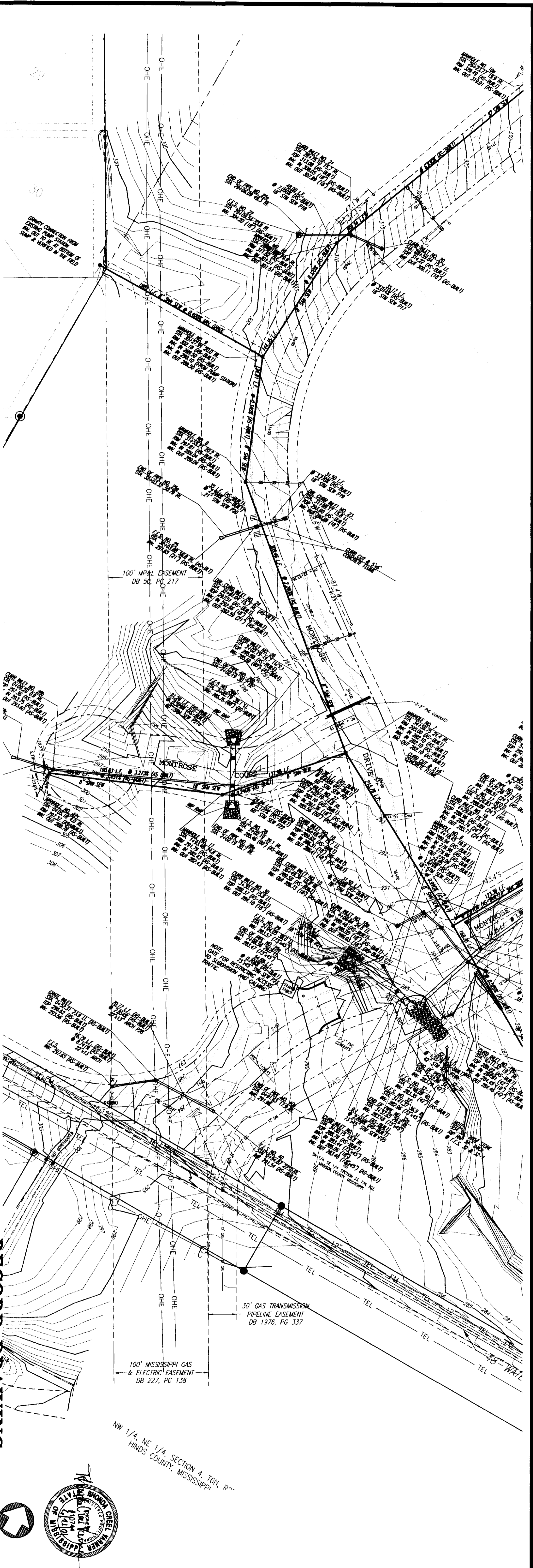
**PLAN AND PROFILE - MONTROSE DRIVE**  
 STA. 14+50 - STA. 29+50

Prepared For:  
**MONTROSE, LLC**  
 RIDGELAND, MISSISSIPPI

Designed By: RDB	DATE: 10/10/00	
Drawn By: RDB	DATE: 11/16/00	
Checked By: RDB	DATE: 11/16/00	
Scale: 1"=50' HORIZ. 1"=5' VERT.		

AS-BUILT PLANS  
 REVISION STREET GRADERS, STORM & SANITARY SEWER  
 EXTENSION  
 R2/S  
 1/27/02  
 BY  
 DATE

**RECORD DRAWING**  
 BY: *Robert*  
 DATE: 6/1/01  
 SCALE 1" = 50' HORIZ.  
 1" = 5' VERT.

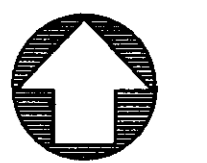
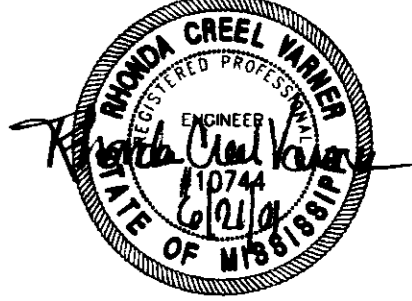
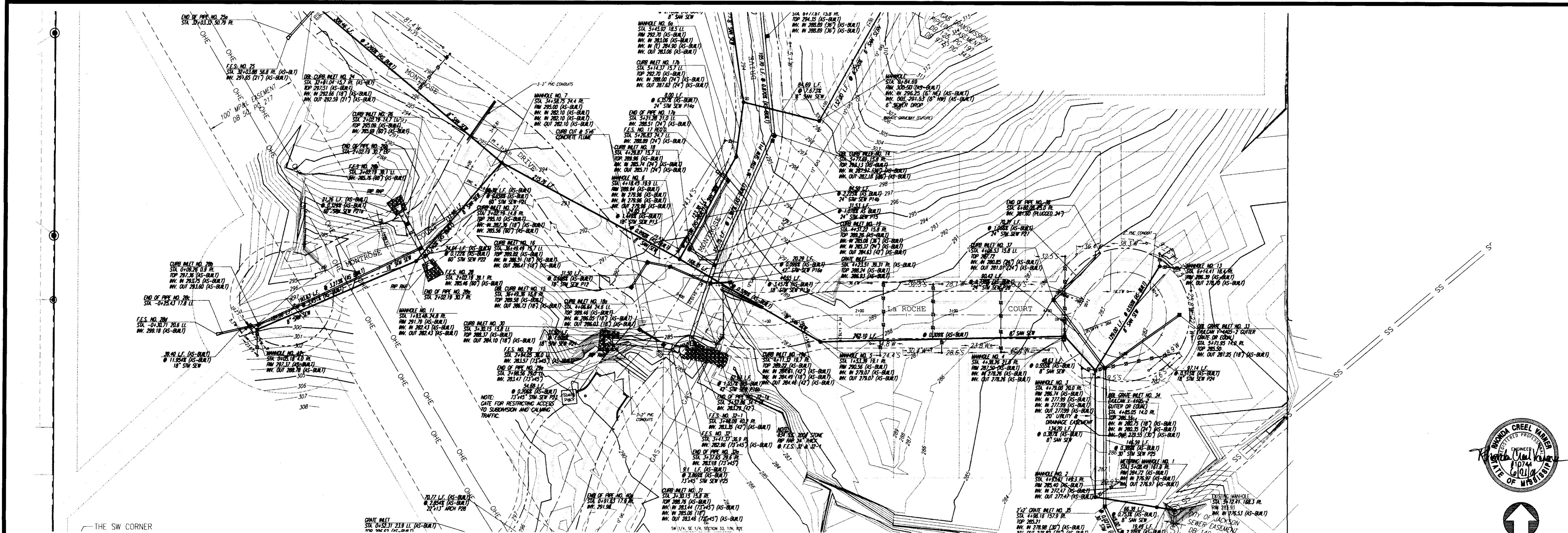


MATCH DRAWING 10 OF 15 STA. 29+50

**MONTROSE DRIVE - MONTROSE DRIVE**  
 STA. 29+50 - STA. 36+98.31

**Prepared For:** MONTROSE, LLC  
 RIDGE LAND, MISSISSIPPI

Drawn By:	R2/S	DATE:	1/27/02
Checked By:	R2/S	DATE:	1/27/02
Design No.:	11-15	Project No.:	11-15

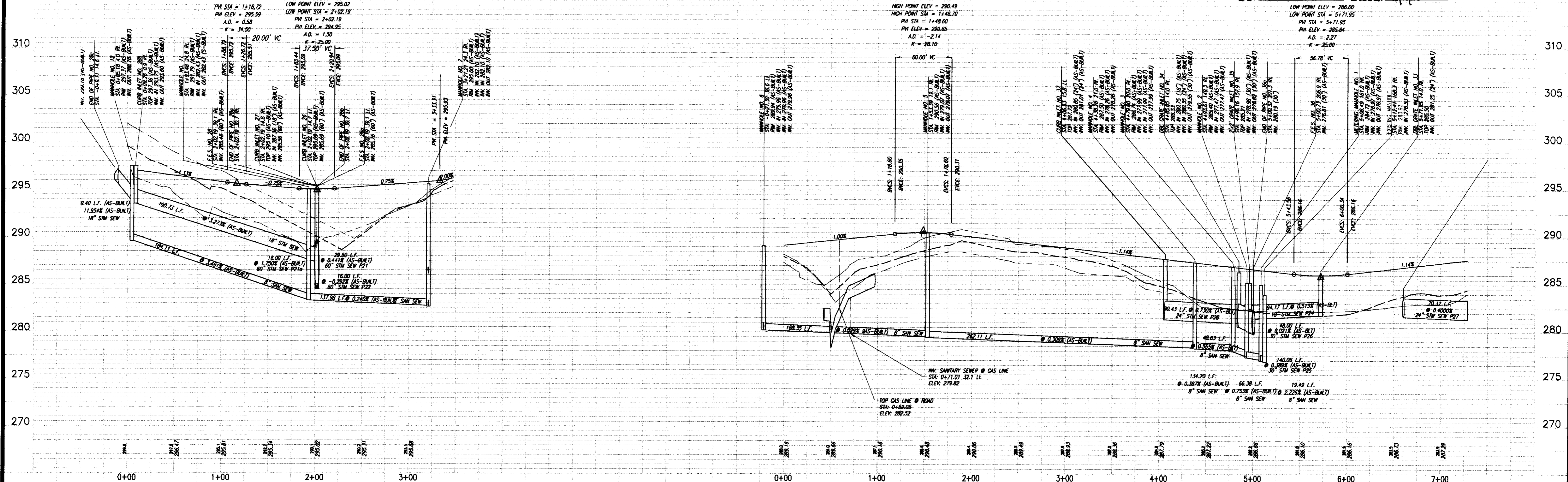


**RECORD DRAWING**

SCALE 1"=50' HORIZ.  
1"= 5' VERT.

BY: *K. Wanner* DATE: 6/21/01

REVISION	BY	DATE
AS-BUILT PLANS	RD	01/16/00
REVISED STREET GRADES, STORM & SANITARY SEWER	RD	1/16/00



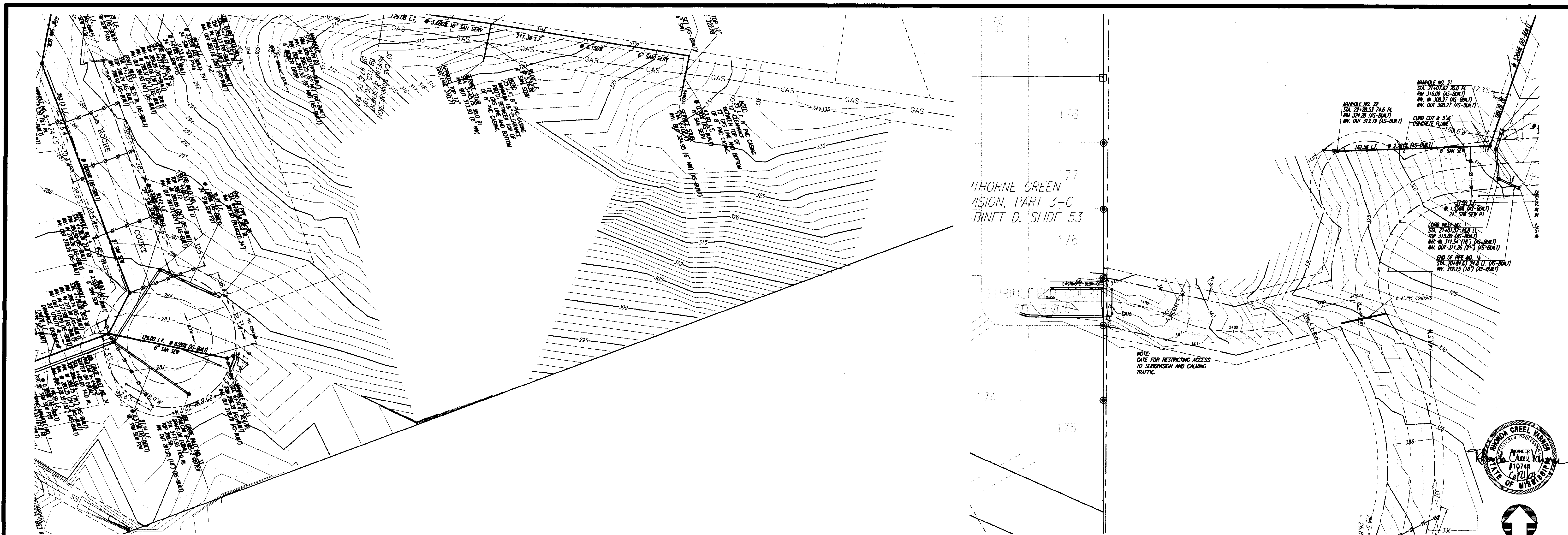
**MONTROSE**  
CITY OF RIDGELAND  
MADISON COUNTY, MISSISSIPPI

**PLAN AND PROFILE - MONTROSE COURT & LA ROCHE COURT**  
STA. 0+00 - STA. 3+47.81 & STA. 0+00 - STA. 7+28.60

Prepared For:  
**MONTROSE, LLC**  
RIDGELAND, MISSISSIPPI

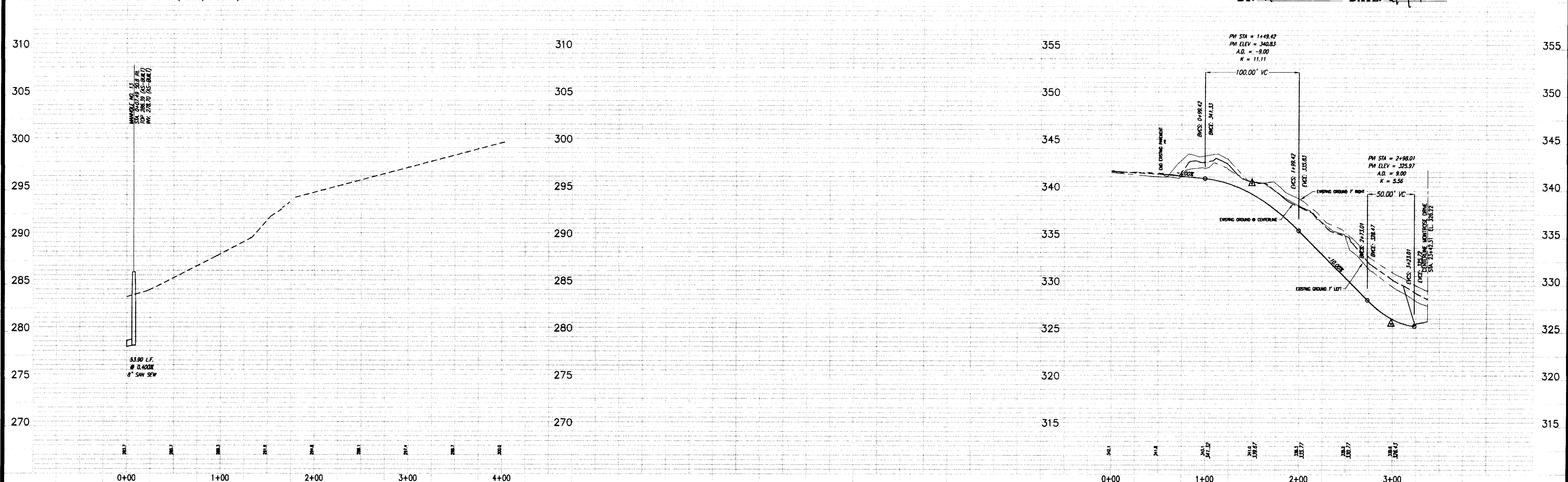
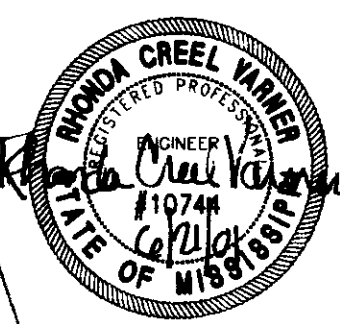
Designed By:	RCV	DATE:	12/1/00
Drawn By:	RPD	DATE:	1/16/00
Checked By:	RCV	DATE:	1/21/00
Scale:	1"=50' HORIZ.	1"=5' VERT.	





REVISION	BY	DATE
AS-BUILT PLANS	RCV	01/11/00
REVISED STREET GRADES, STORM & SANITARY SEWER	RDP	11/19/00

**RECORD DRAWING** SCALE 1"=50' HORIZ.  
 1"= 5' VERT.  
 BY: *R. Williams* DATE: 6/21/01



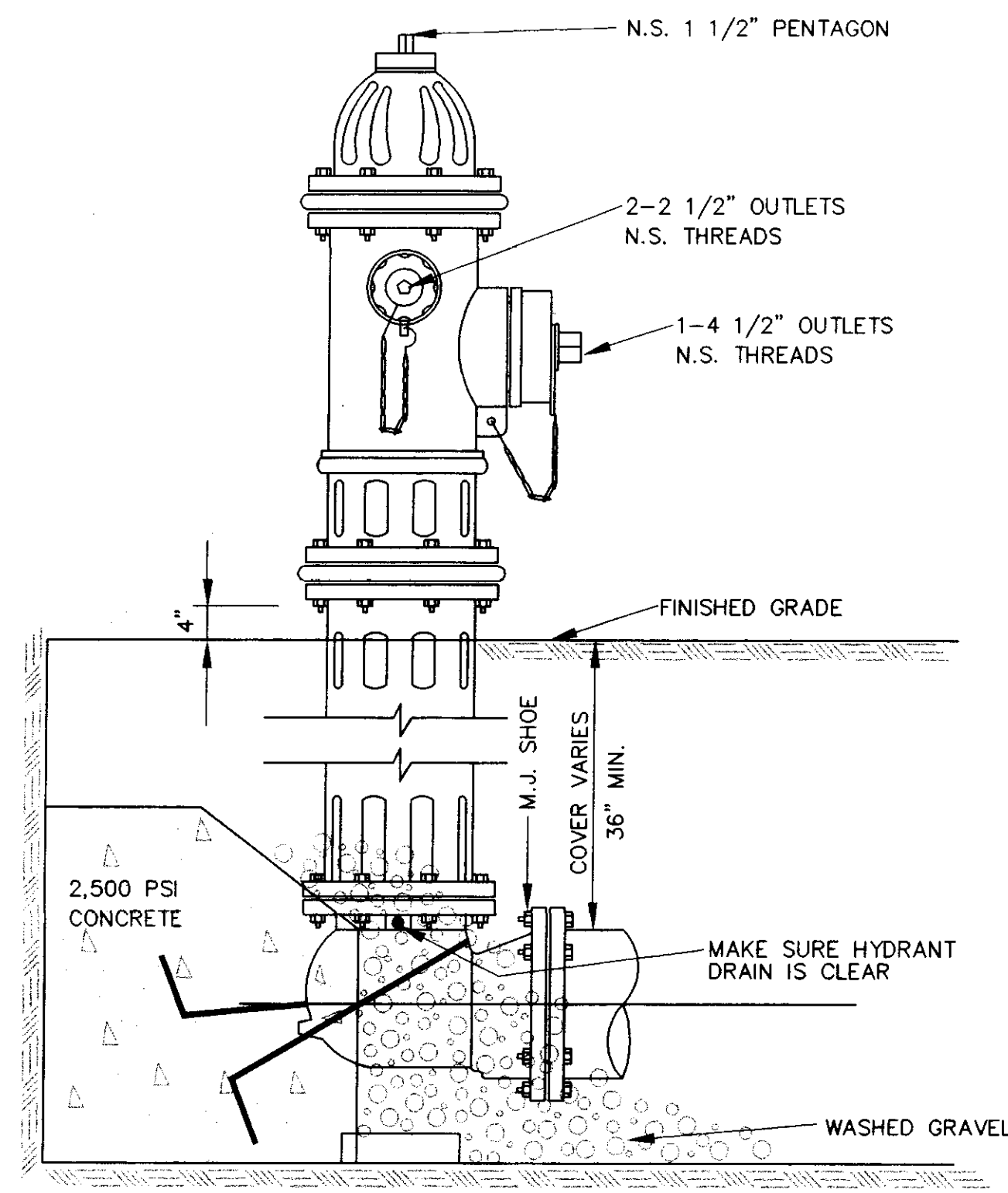
MONTROSE  
 CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI

**PLAN AND PROFILE - SANITARY SEWER SERVICE OUTFALL & EMERGENCY ACCESS ROAD**  
 STA. 0+00 - STA. 4+03.04 & STA. 0+00 - STA. 3+37.07

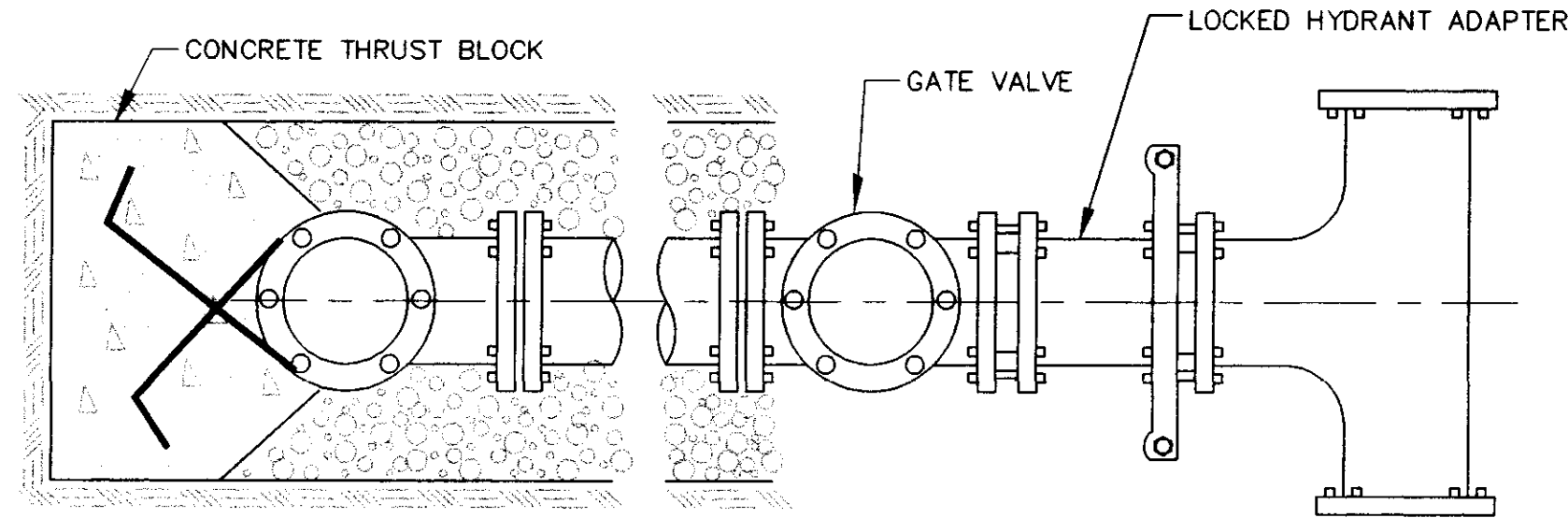
Prepared For:  
 MONTROSE, LLC  
 RIDGELAND, MISSISSIPPI

Designed By: RCV DATE: 10/11/00  
 Drawn By: RDP DATE: 11/19/00  
 Checked By: RCV DATE: 11/19/00  
 Scale: 1"=50' HORIZ 1"=5' VERT

STERLING  
 CONSULTANTS  
 ENGINEERS & ARCHITECTS  
 Drawing No. 13 of 15



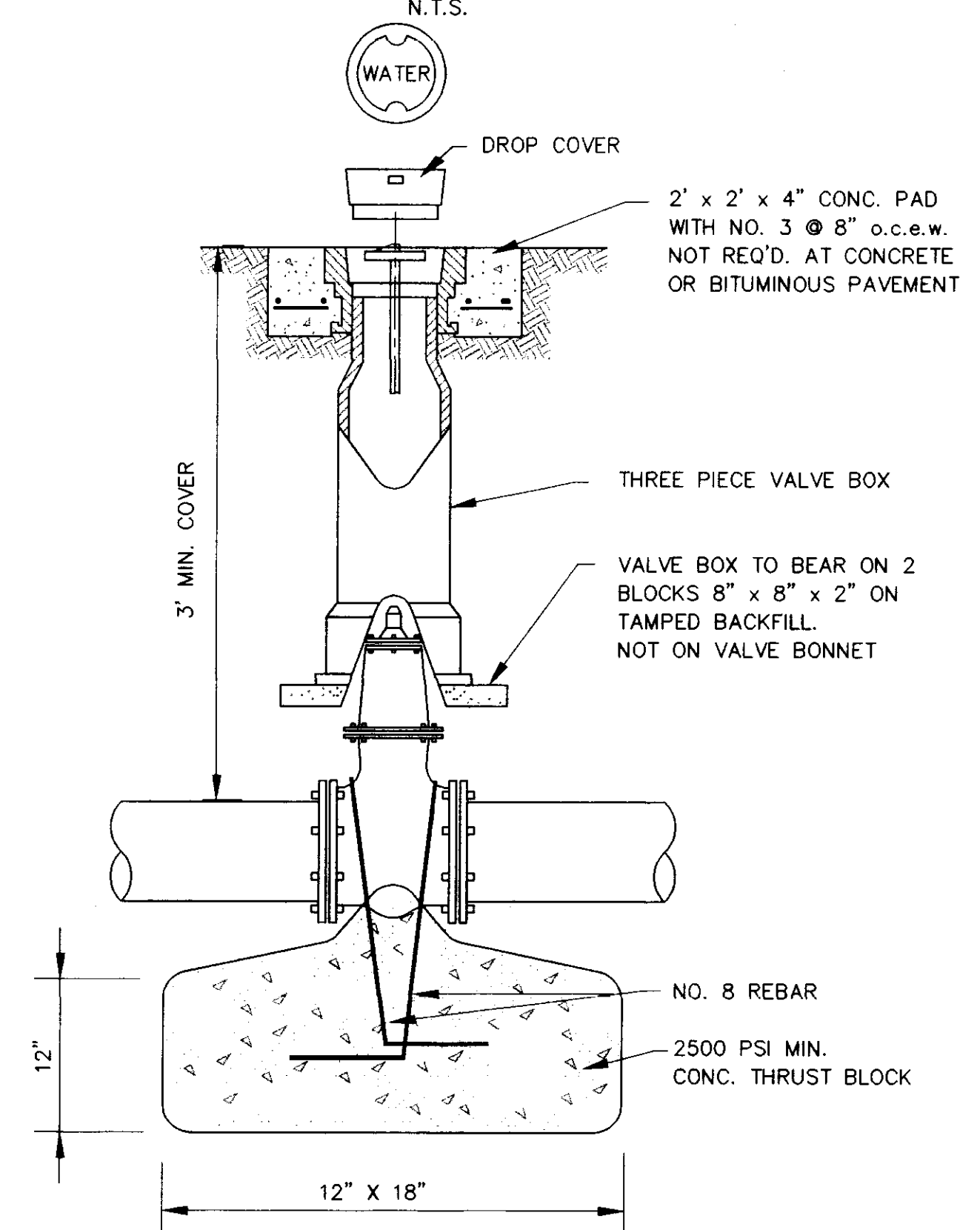
**ELEVATION**



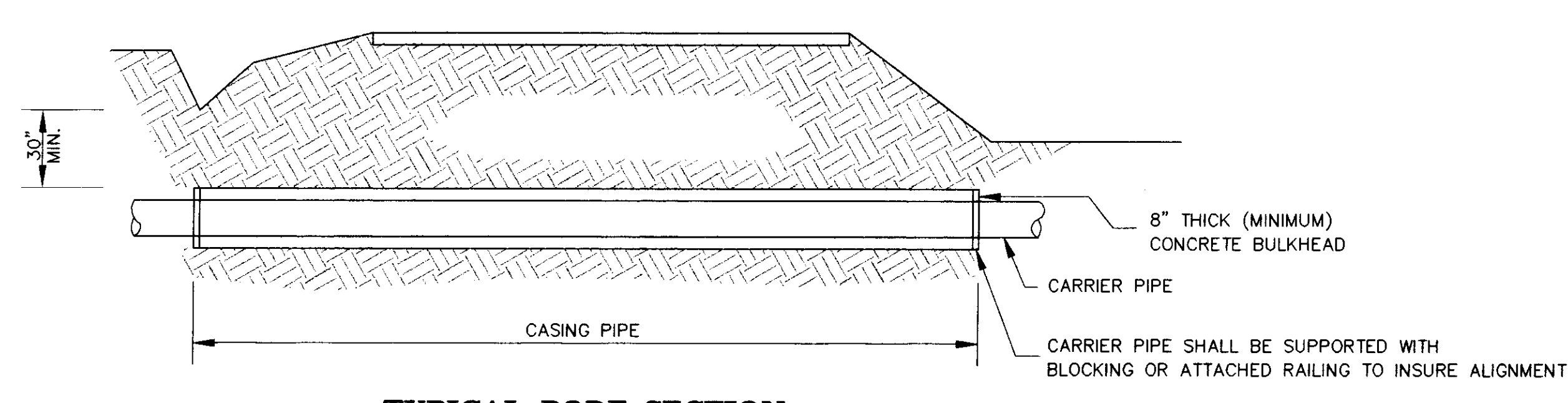
**PLAN**

**TYPICAL FIRE HYDRANT INSTALLATION**

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

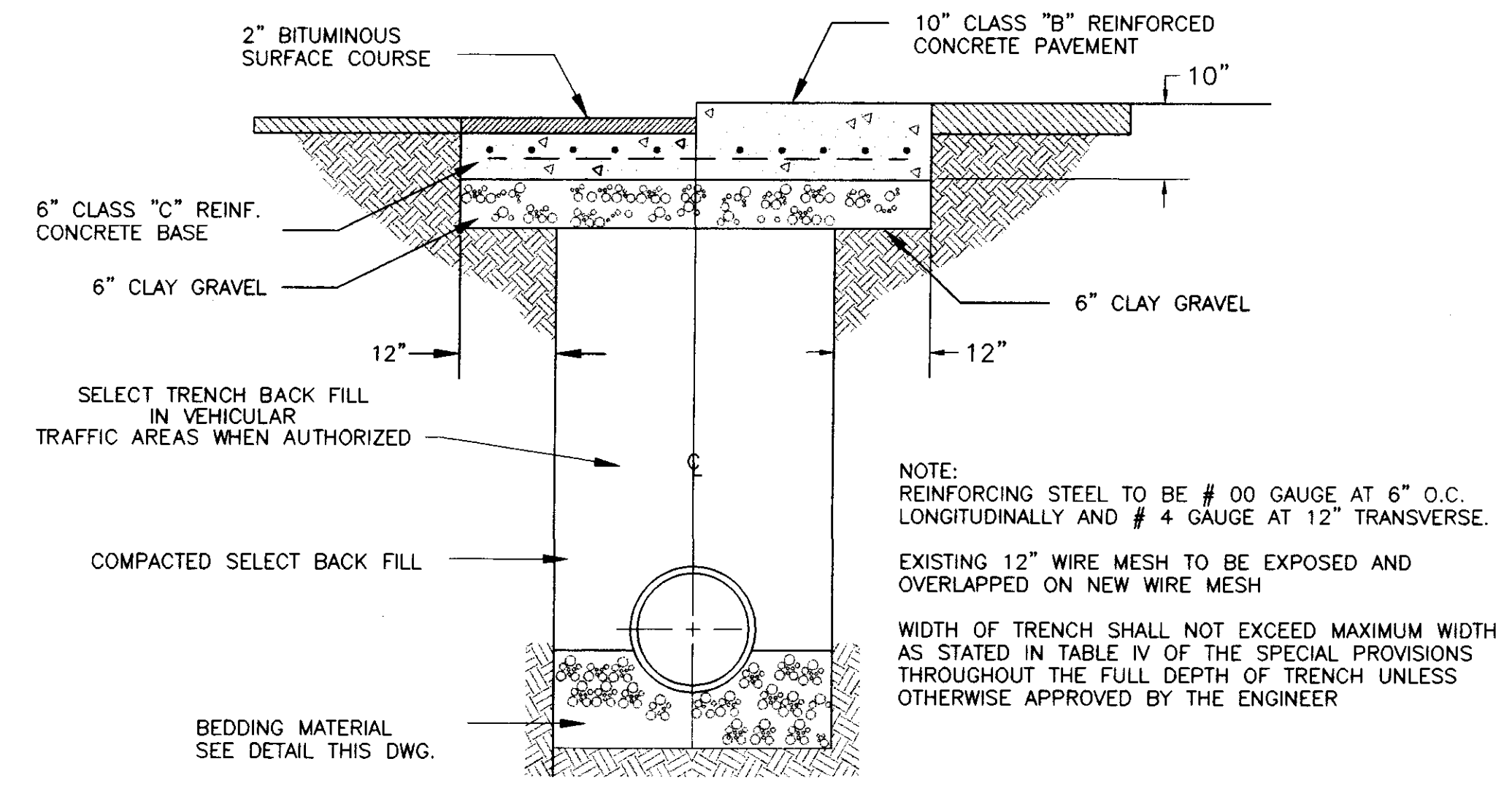


**GATE VALVE DETAIL**  
NOT TO SCALE



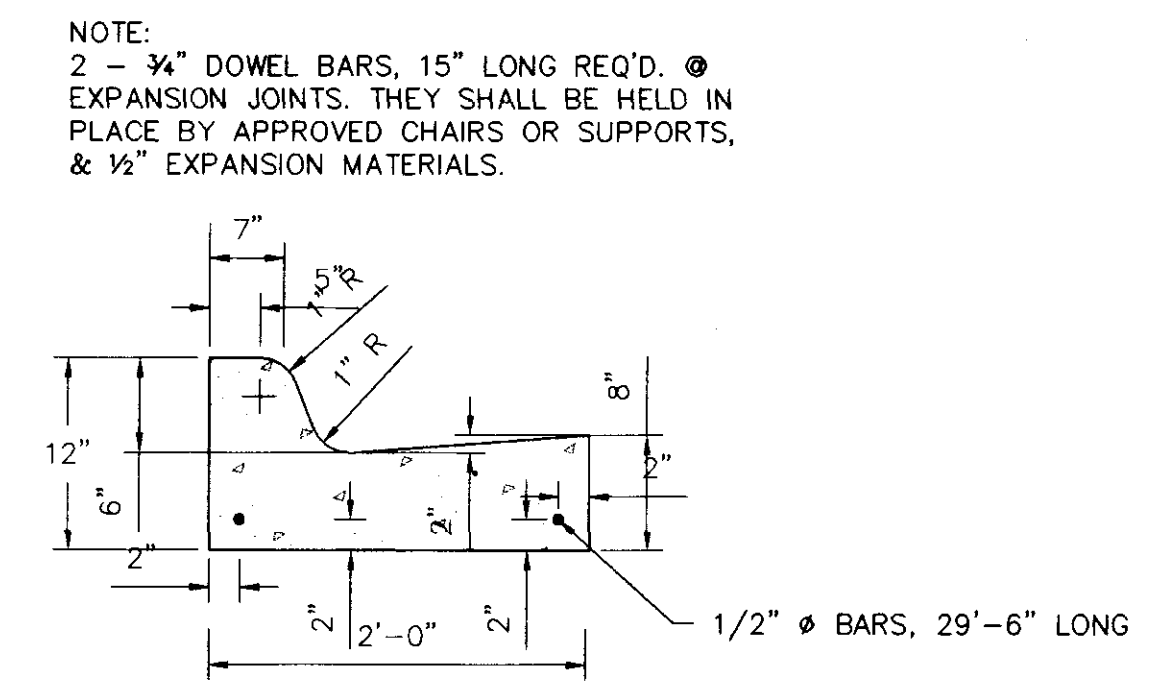
**TYPICAL BORE SECTION**

NOT TO SCALE



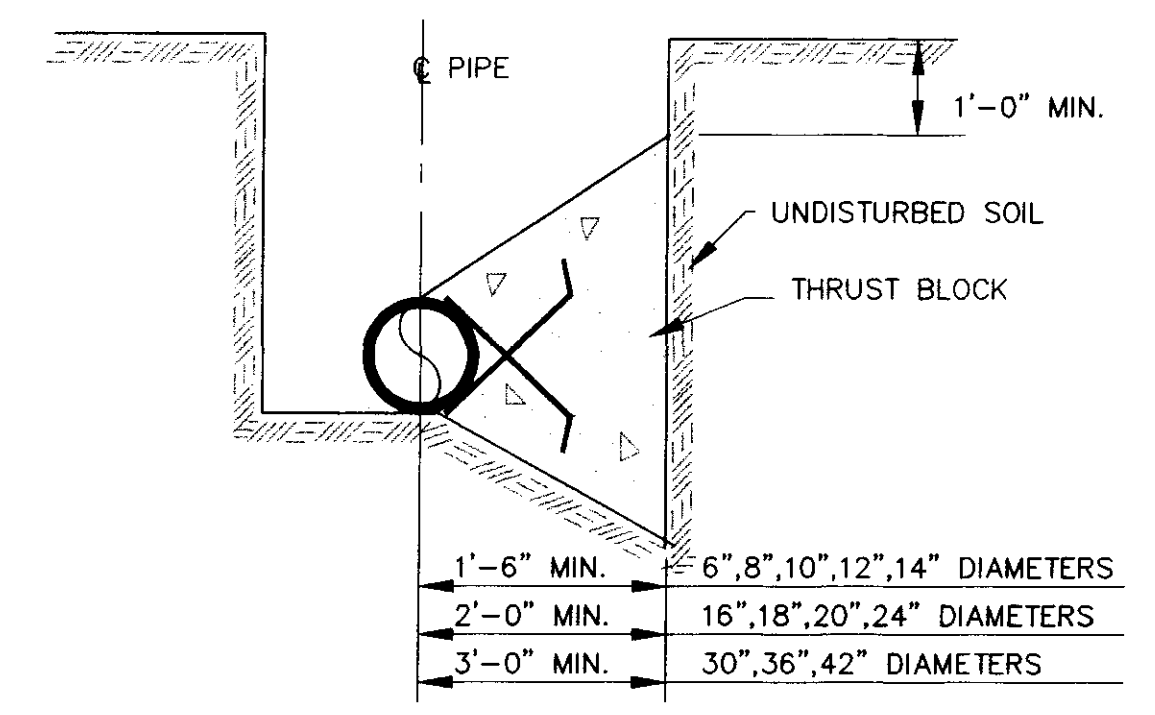
**TYPICAL ROADWAY SECTION**

NOT TO SCALE

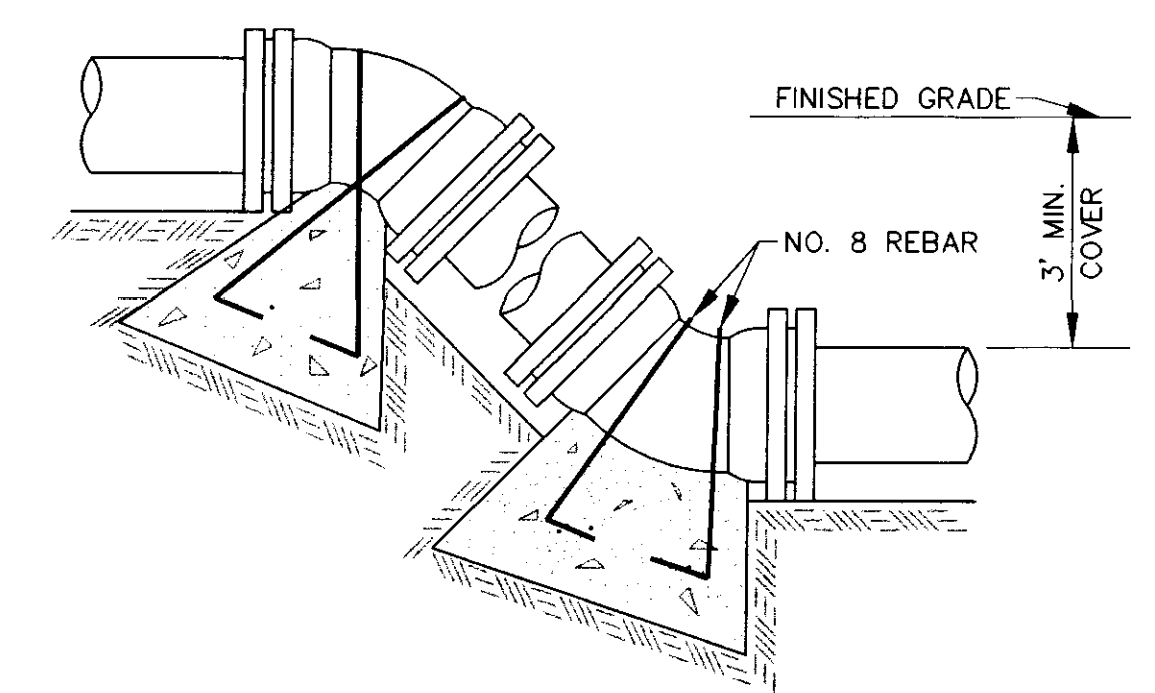


**STANDARD CURB AND GUTTER**

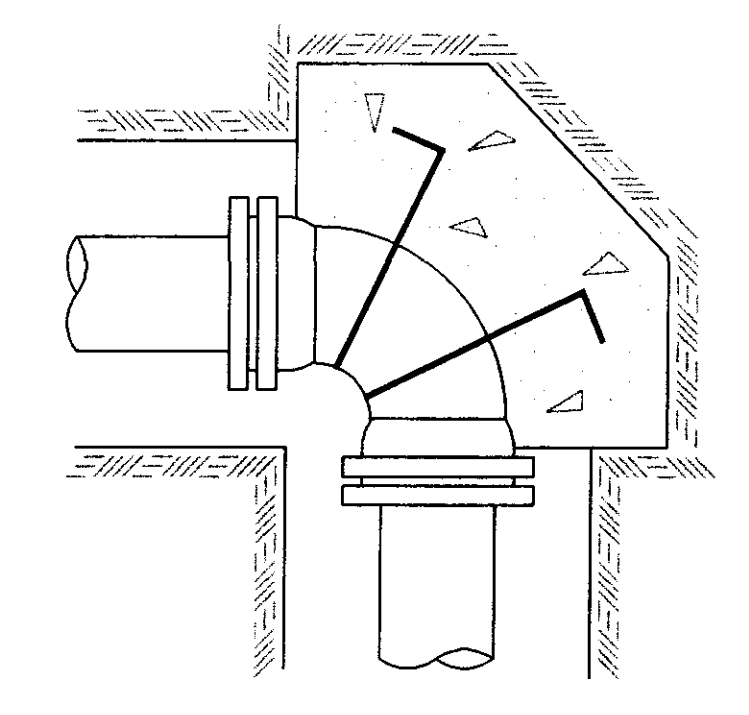
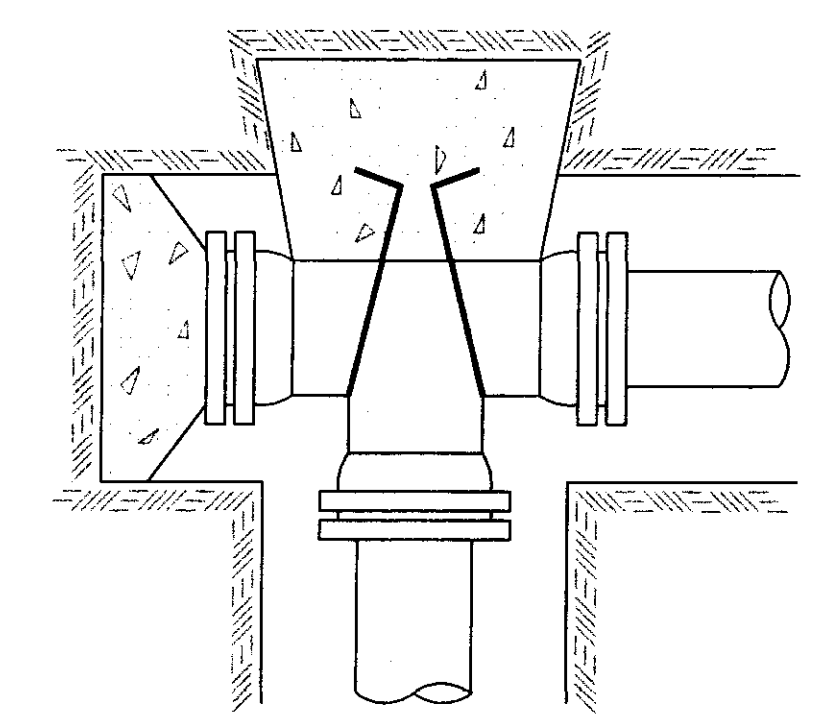
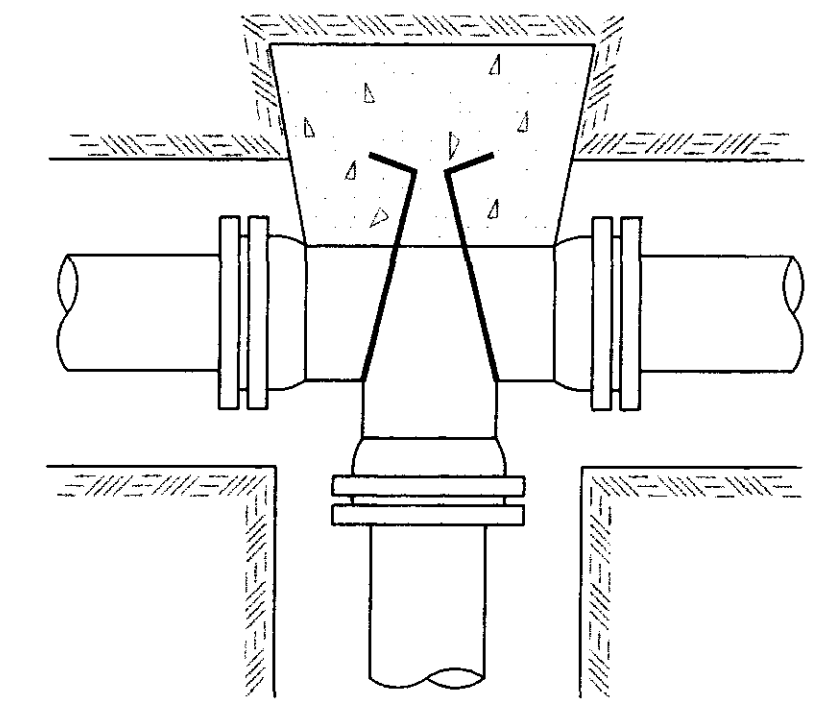
N.T.S.



**TYPICAL CROSS SECTION**

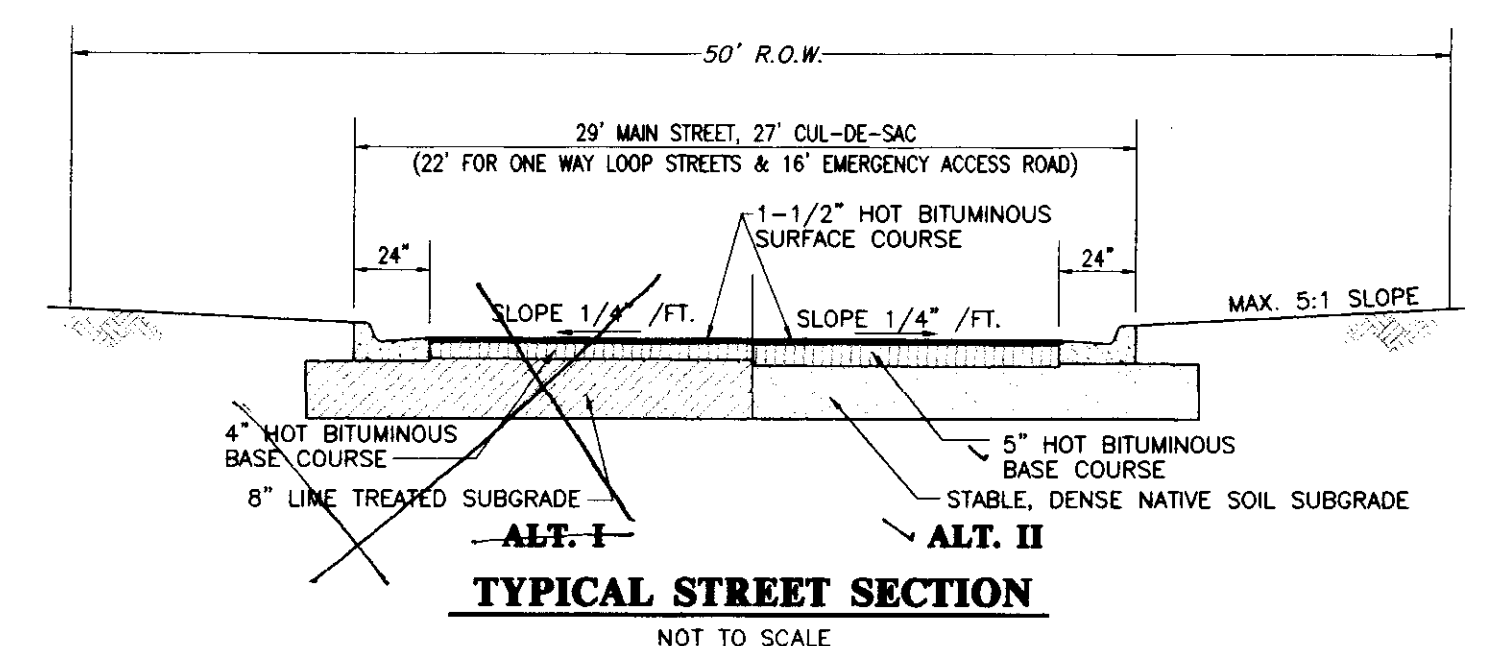


**VERTICAL BENDS**



**TYPICAL THRUST BLOCKING IN WATER MAINS AND SEWAGE FORCE MAINS**

NOTE: ALL THRUST BLOCKS 2,500 PSI CONCRETE AGAINST UNDISTURBED EARTH

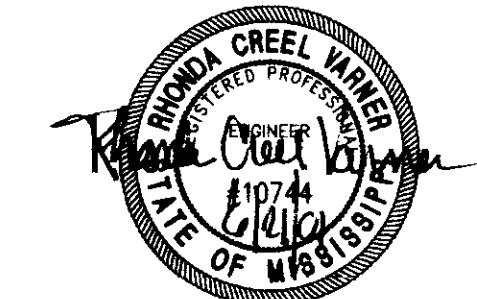


**TYPICAL STREET SECTION**

NOT TO SCALE

**RECORD DRAWING**

BY: *R. Vanner* DATE: 6/21/01



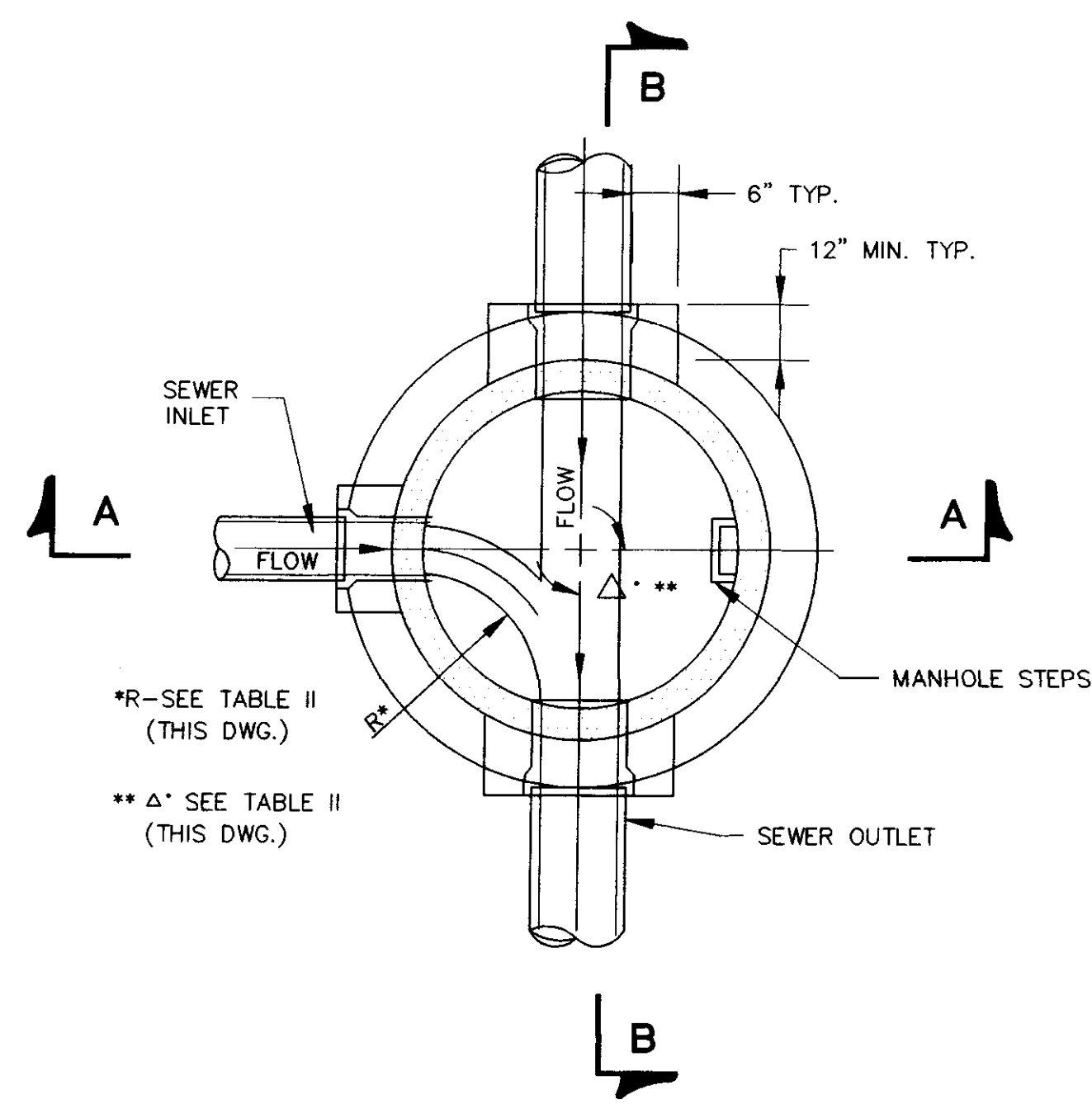
MONTROSE  
A DEVELOPMENT OF  
MONTROSE, LLC

**STANDARD MISCELLANEOUS DETAILS**

CITY OF RIDGELAND  
MADISON COUNTY, MISSISSIPPI

DESIGN: R.C.V.	DATE: 10/11/00	STERLING Consultants	DRAWING NO. <b>14 OF 15</b>
DRAWN: R.D.D.	DATE: 10/11/00		
CHECK: R.C.V.	DATE: 11/21/00		
SCALE: AS SHOWN			

AS-BUILT PLANS	REV	DATE
REVISED STREET GRADE, STORM & SANITARY SEWER	R.D.D.	11/21/00
REVISION	BY	DATE

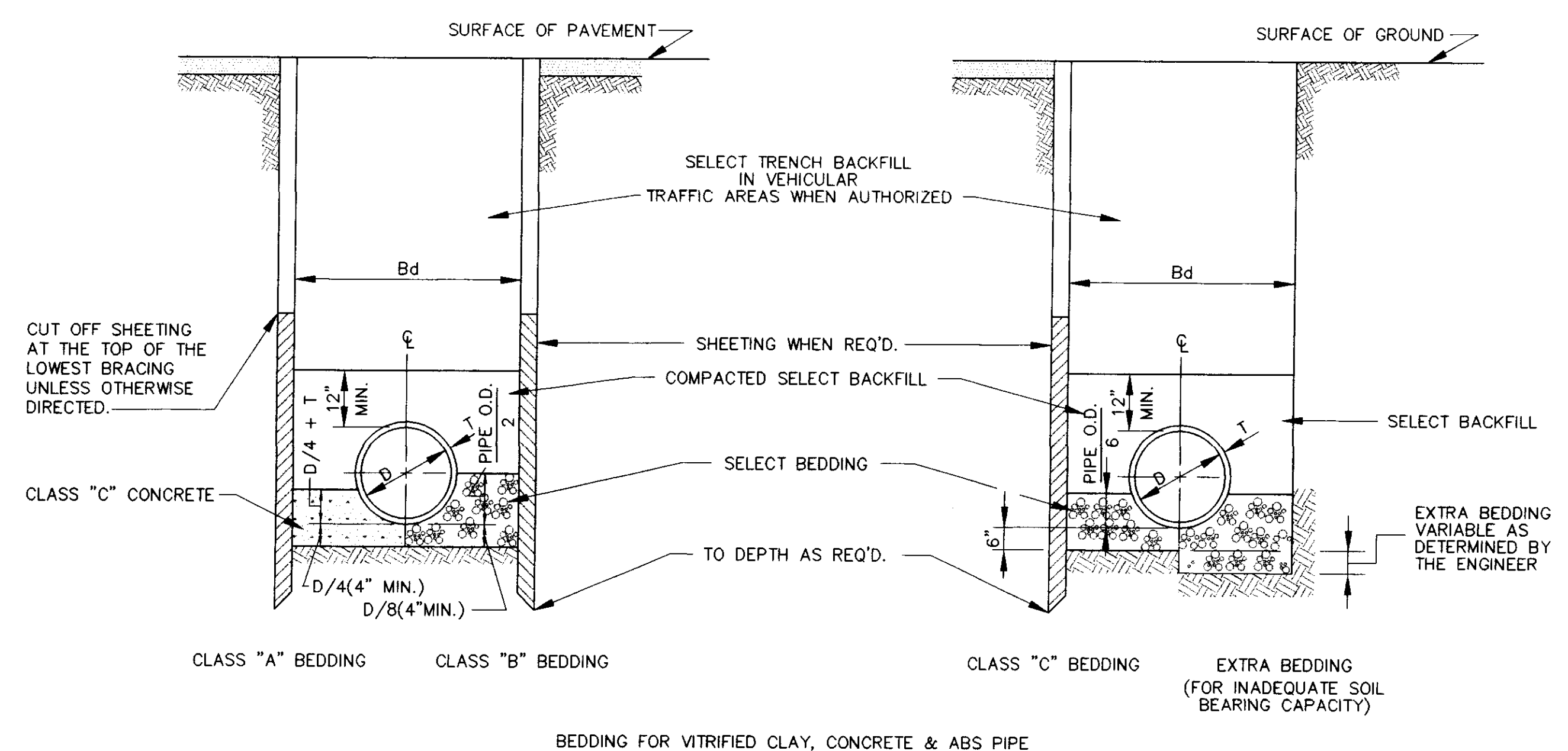


\*R-SEE TABLE II (THIS DWG.)  
 \*\* Δ- SEE TABLE II (THIS DWG.)

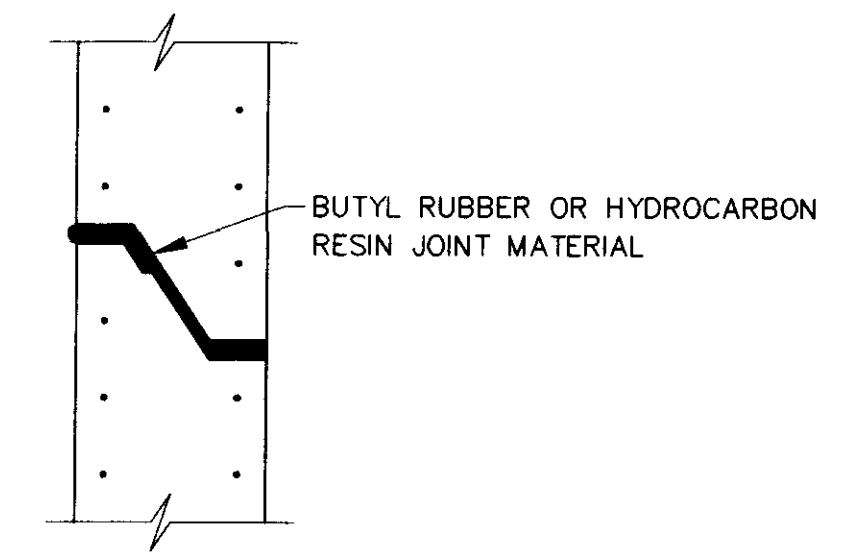
**SECTIONAL PLAN  
 STANDARD MANHOLE**  
 NOT TO SCALE

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"

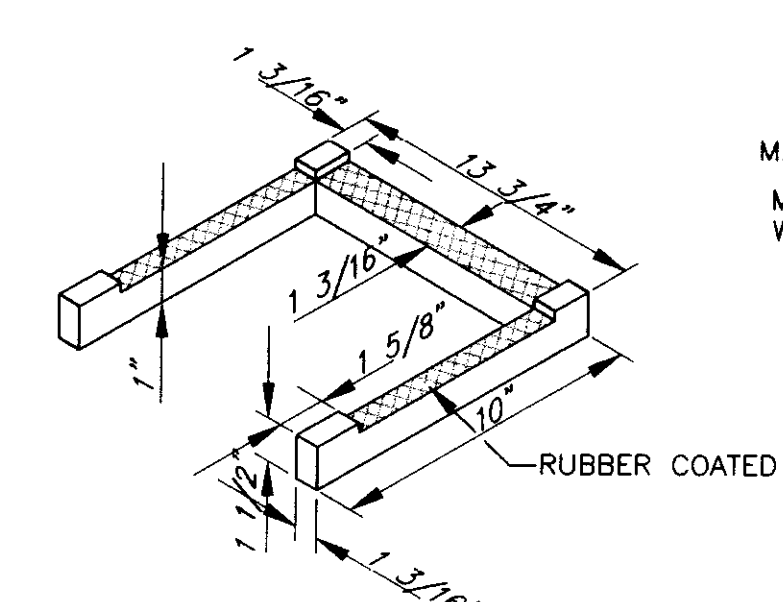
\* SEE SECTIONAL PLAN, STANDARD MANHOLE  
 \*\* PRECAST MANHOLE



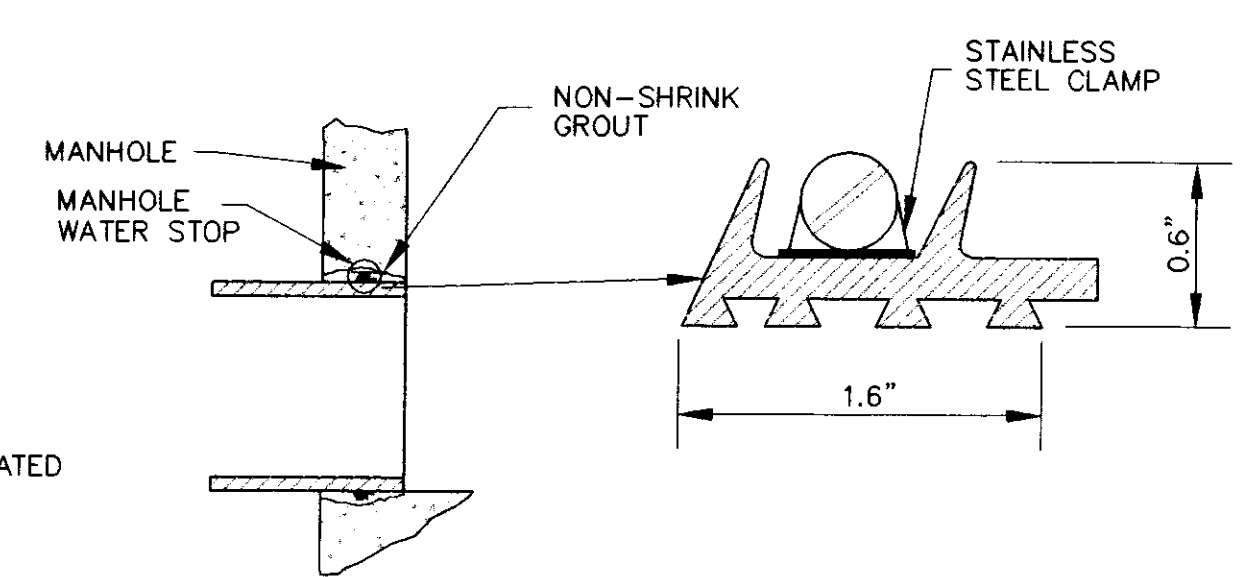
**TYPICAL TRENCH DETAILS**  
 NOT TO SCALE



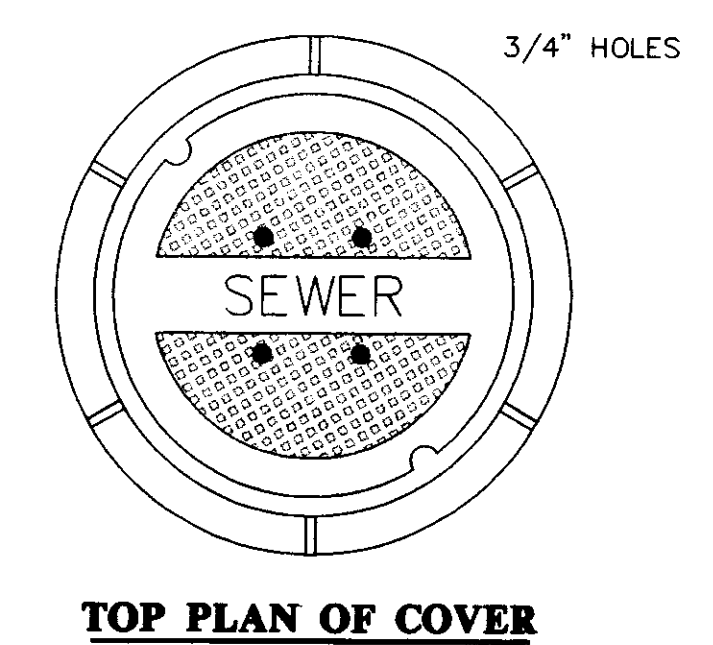
**TYPICAL PRECAST CONCRETE  
 MANHOLE JOINT DETAIL**  
 N.T.S.



**MANHOLE STEP DETAIL**  
 NOT TO SCALE



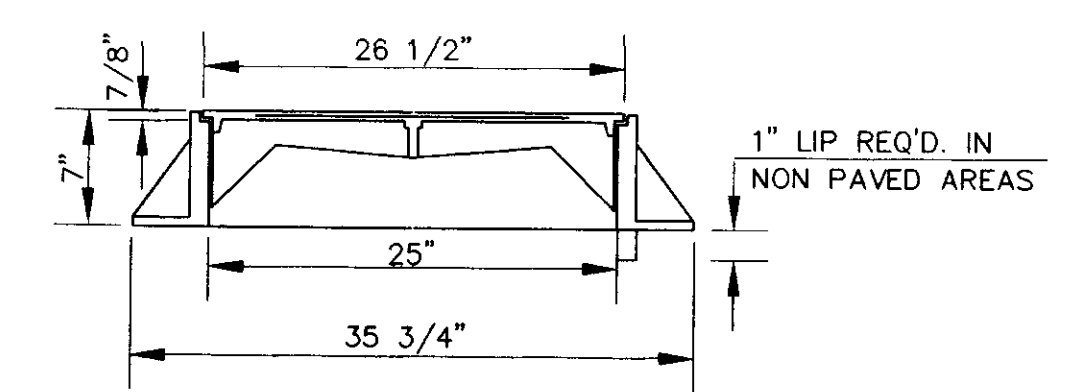
**TYPICAL MANHOLE WATER STOP  
 FOR ABS, CLAY OR PVC PIPE**  
 EXISTING AND "STRADDLE" MANHOLES  
 N.T.S.



**TOP PLAN OF COVER**

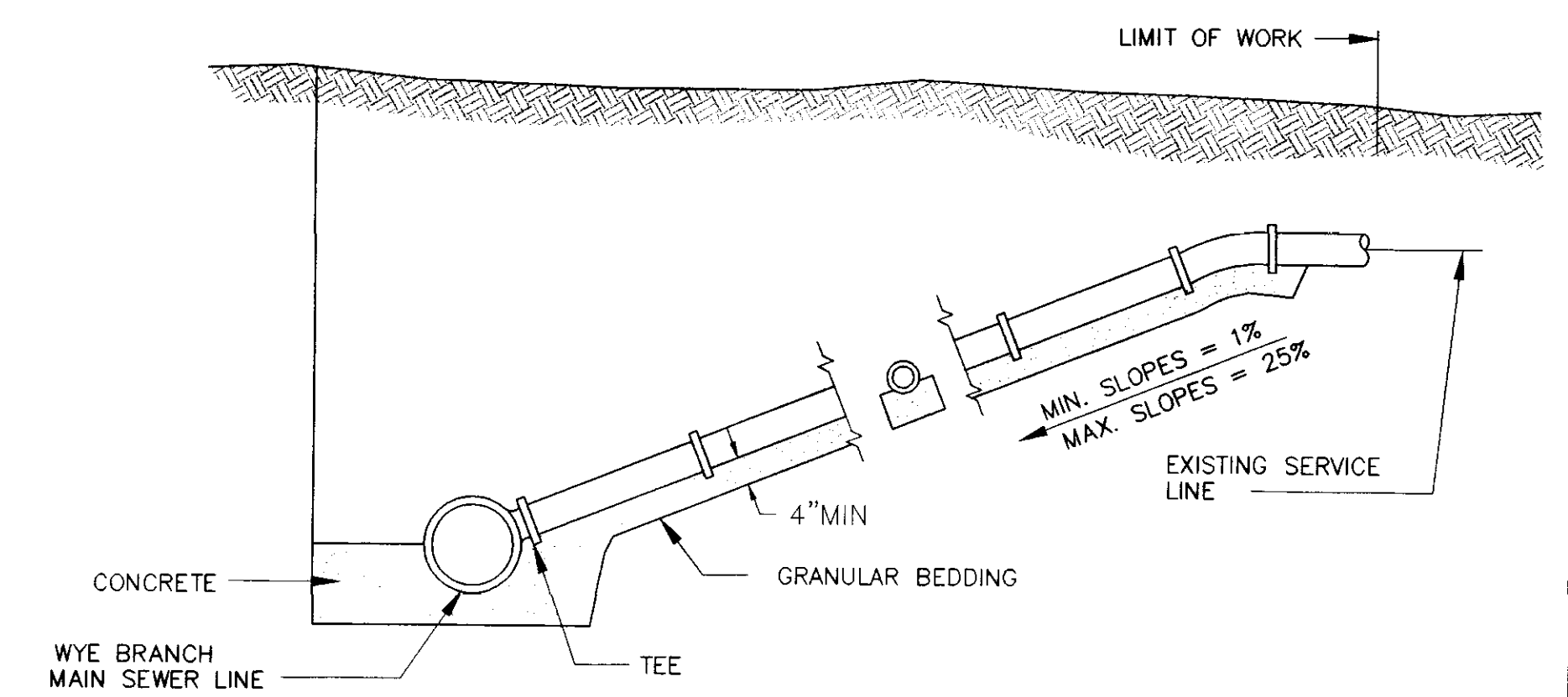
FRAME & COVER WEIGHT 420 LBS.

**STANDARD MANHOLE FRAME AND COVER**  
 N.T.S.

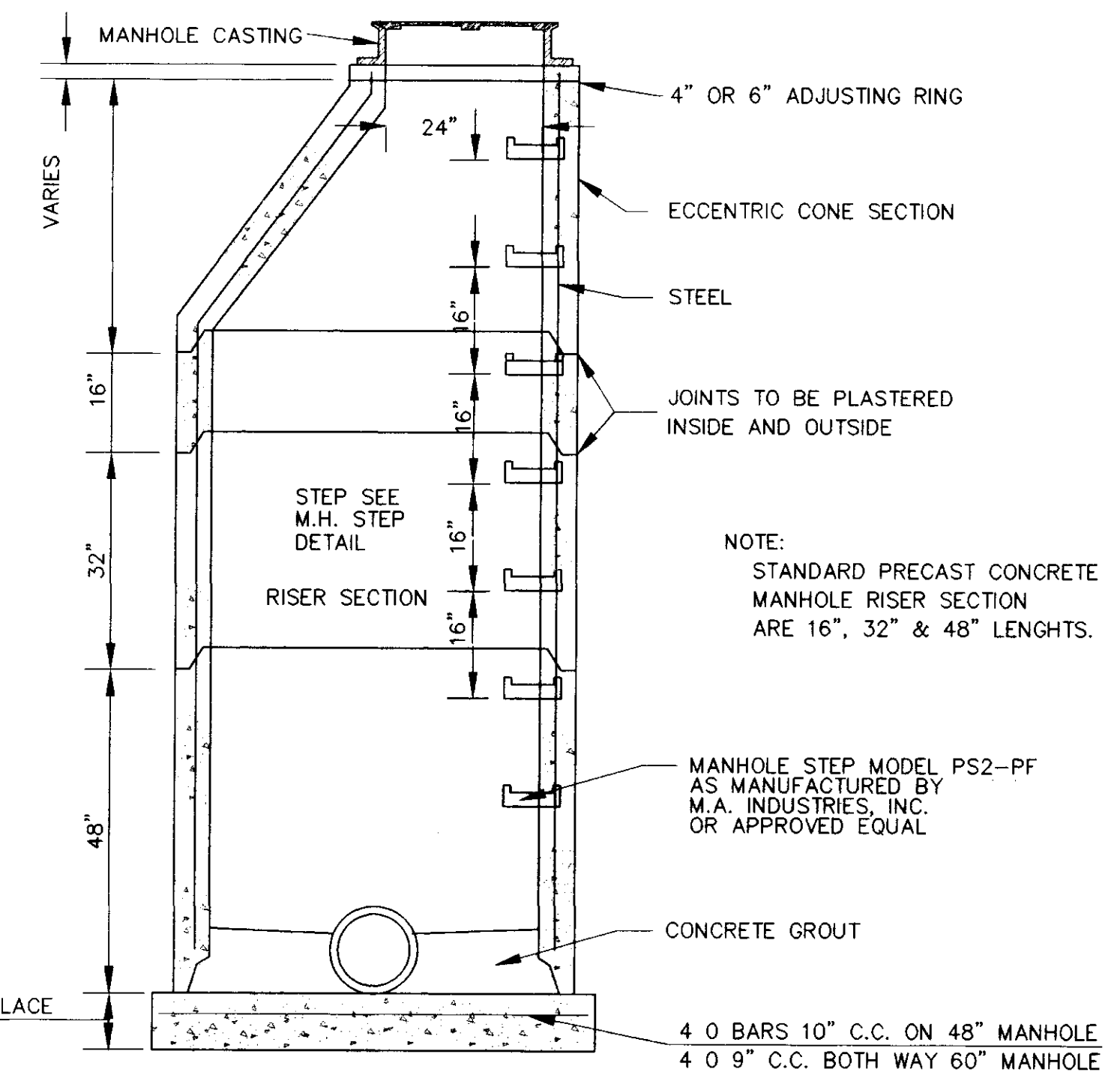


**SECTION**

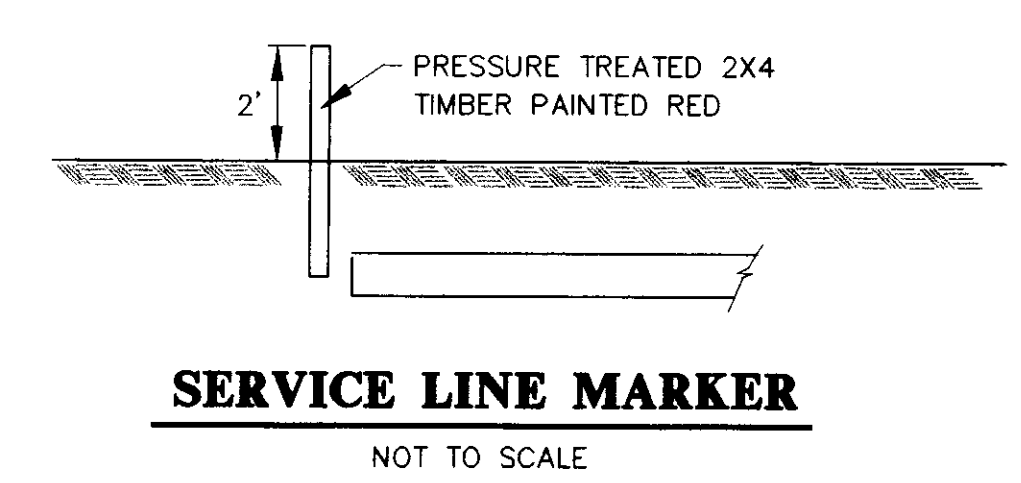
**STANDARD MANHOLE FRAME AND COVER**  
 N.T.S.



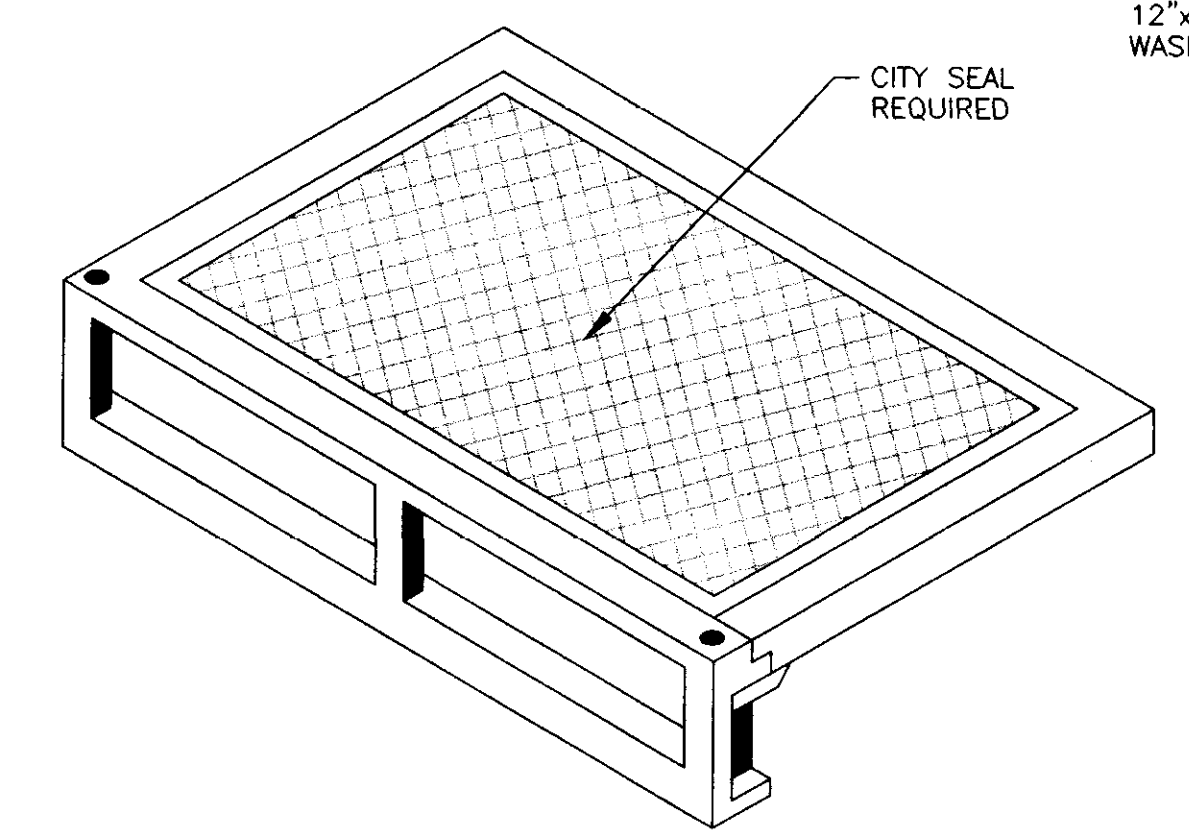
**TYPICAL SERVICE LINE CONNECTION**  
 NOT TO SCALE



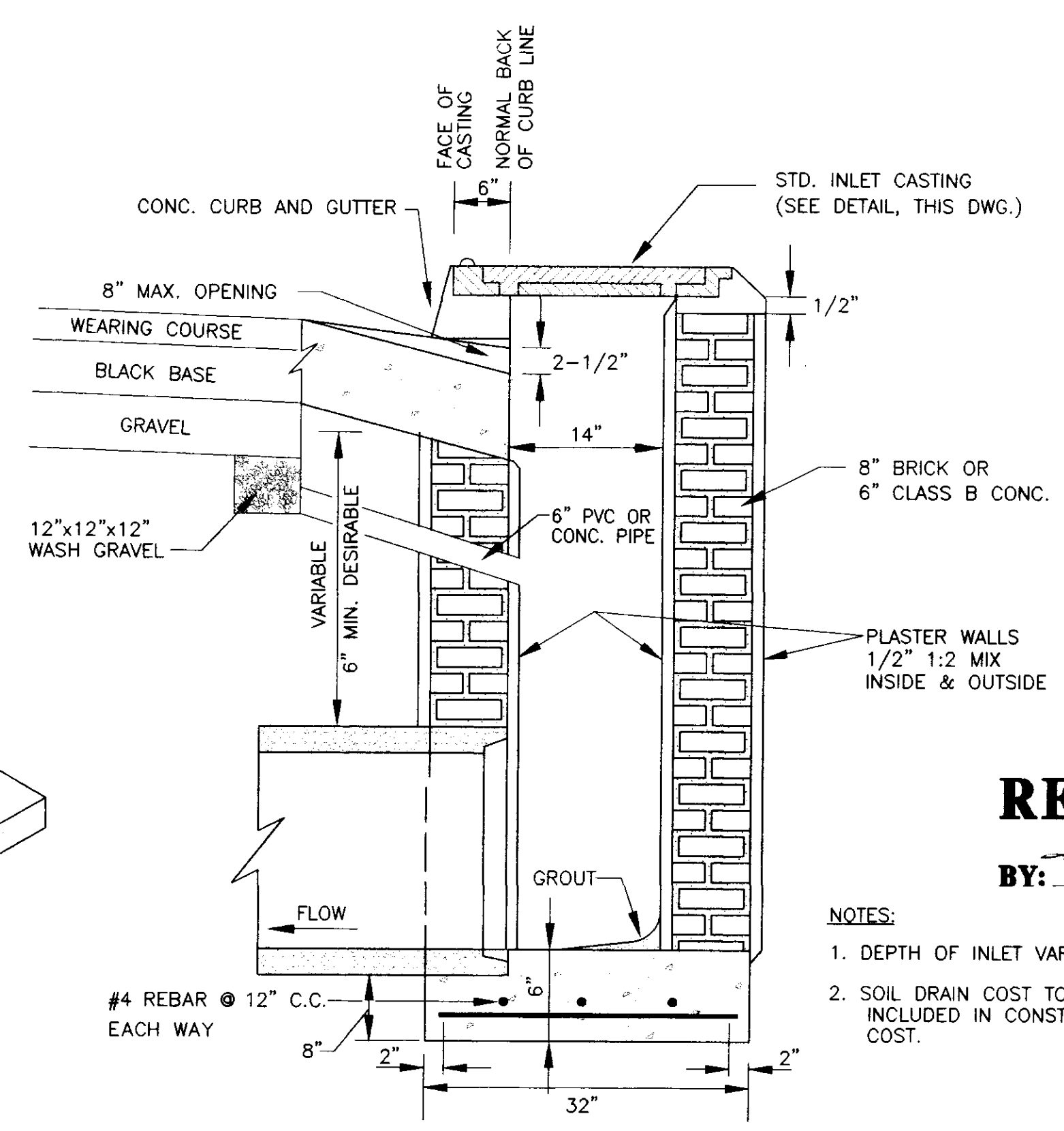
**SECTION OF PRECAST CONCRETE MANHOLE**  
 N.T.S.



**SERVICE LINE MARKER**  
 NOT TO SCALE



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

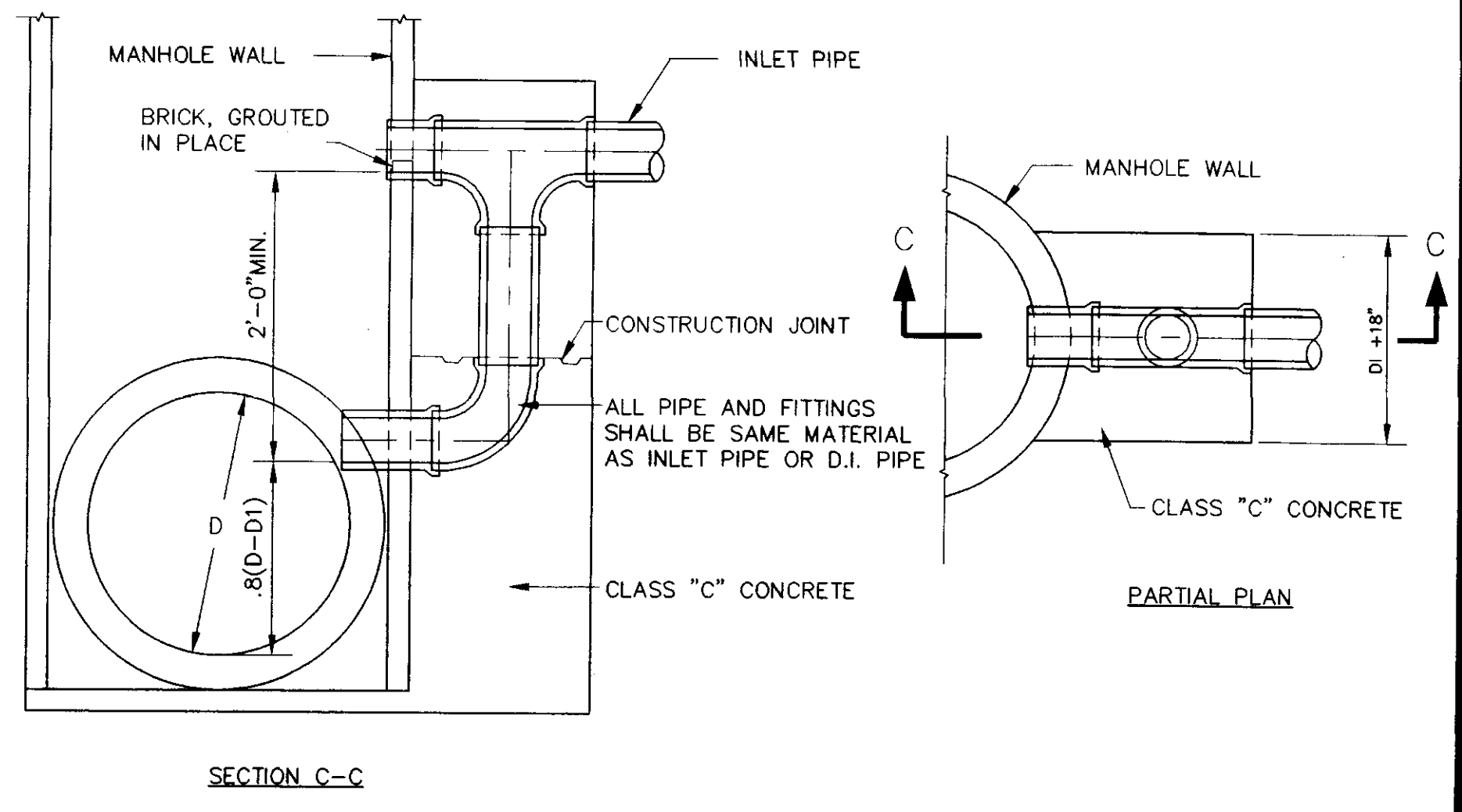


**SECTION OF STANDARD CURB INLET**

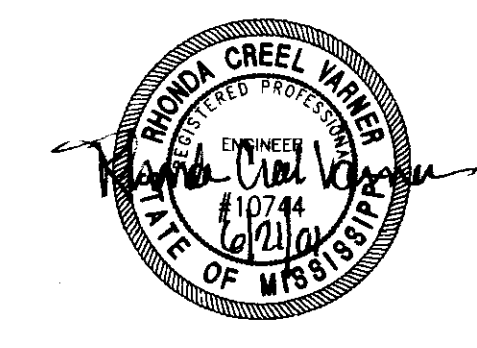
**RECORD DRAWING**

BY: *R. H. ...* DATE: 6/21/01

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



**TYPICAL VERTICAL DROP INLET AT MANHOLE**  
 N.T.S.



**MONTROSE  
 A DEVELOPMENT OF  
 MONTROSE, LLC**

**STANDARD  
 SEWER DETAILS**

**CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI**

DESIGN: RCV DATE: 10/11/00  
 DRAWN: RPB DATE: 10/11/00  
 CHECK: RCV DATE: 10/11/00  
 SCALE: AS SHOWN

**STERLING  
 CONSULTANTS**

DRAWING NO. **15 OF 15**

REVISION	BY	DATE
AS-BUILT PLANS REVISED STREET GRADES, STORM & SANITARY SEWER	RVP RDP	04/11/00 11/11/00