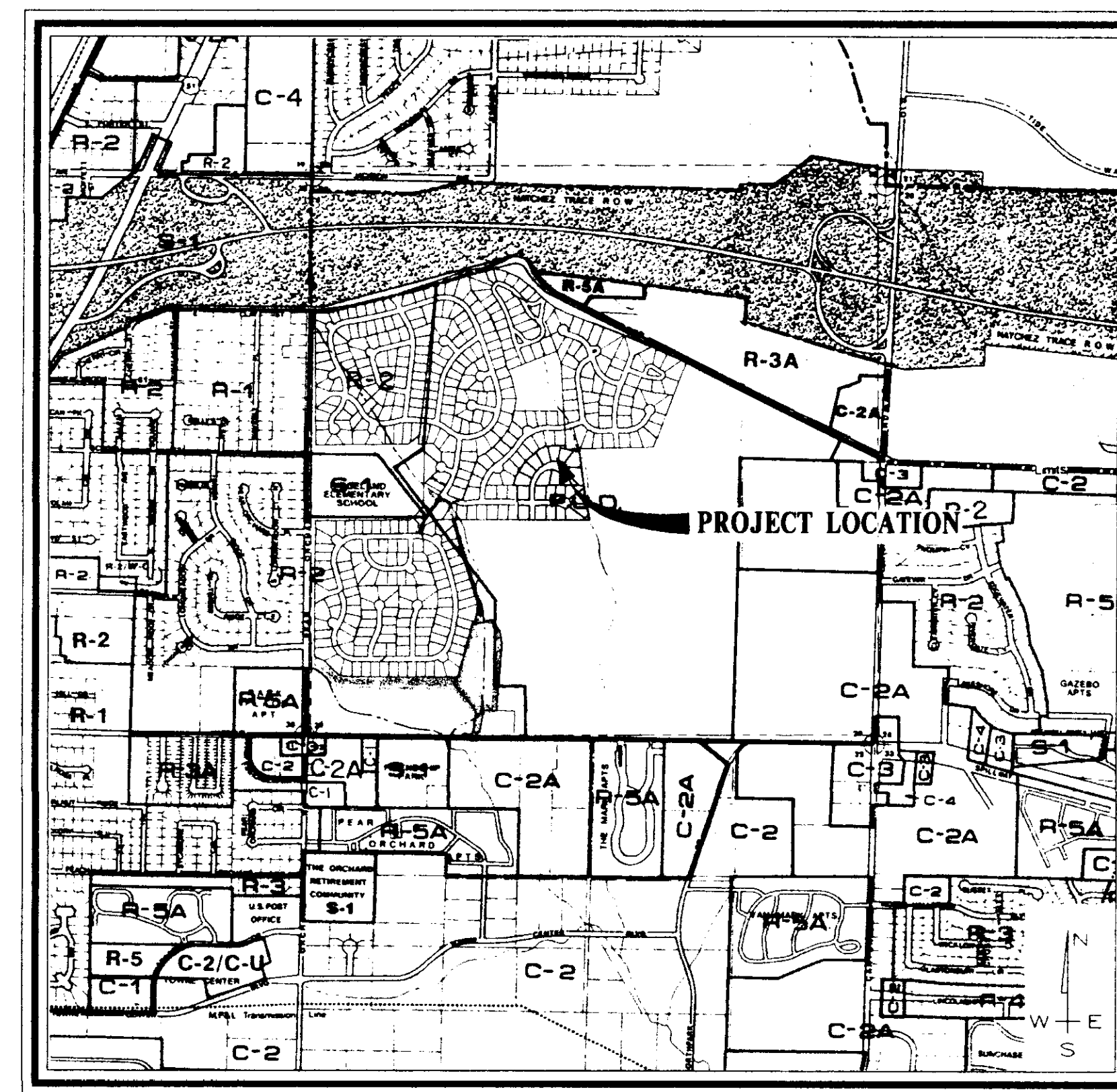
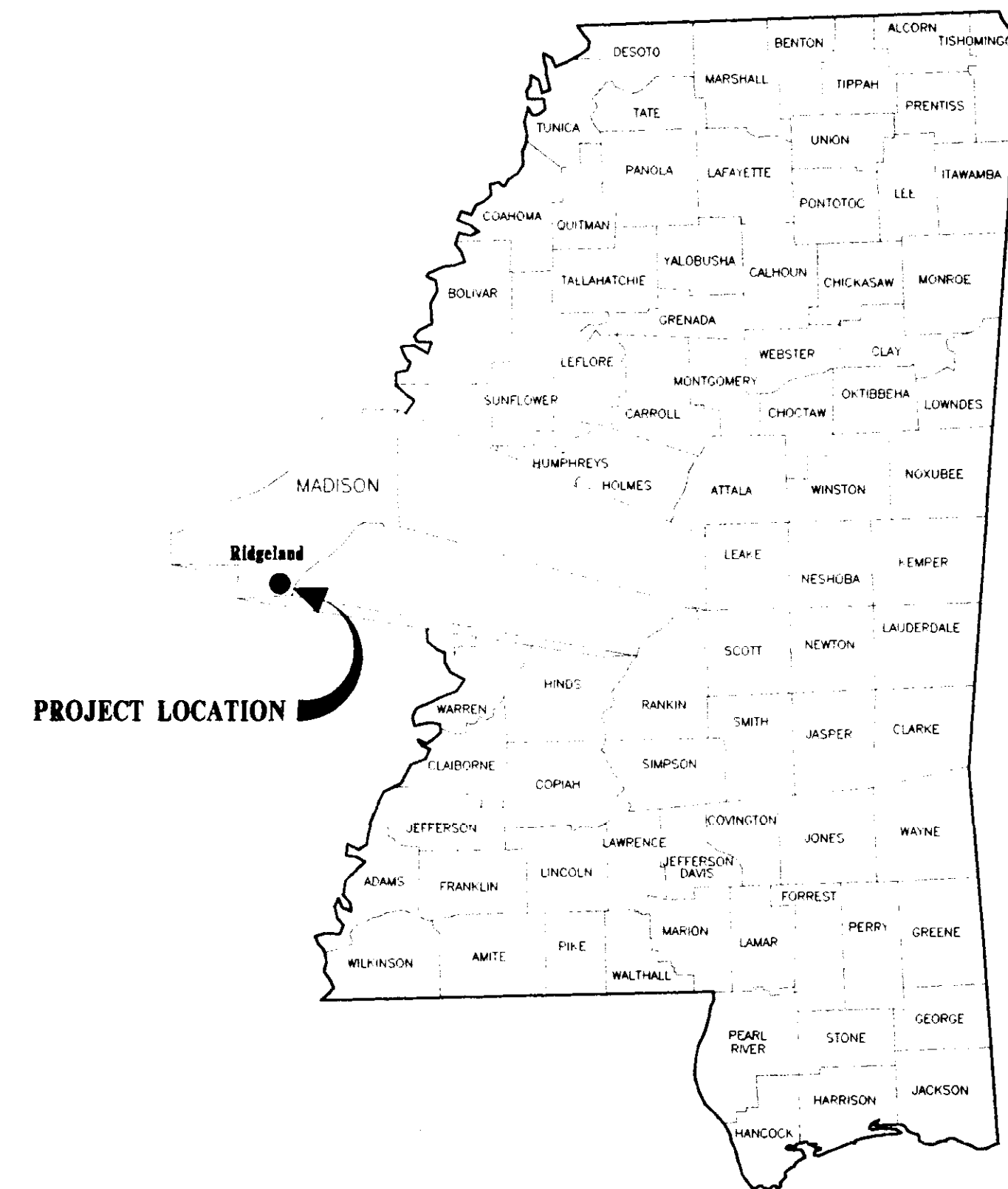
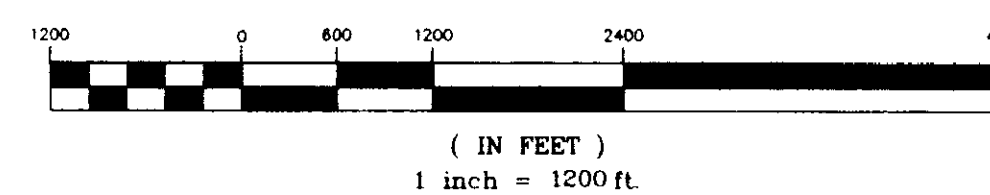


CONSTRUCTION PLANS
FOR
WENDOVER, PART 2B
CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI



VICINITY MAP

GRAPHIC SCALE



(IN FEET)

1 inch = 1200 ft.

A DEVELOPMENT OF
SHADOWOOD PARTNERS

RECORD DRAWING

BY: *R. Clamer* DATE: 9/30/97

Prepared By:

STERLING
Consultants

PWP-05028



MATERIAL REQUIREMENTS

STREETS

1. CONCRETE FOR CURB AND GUTTER SHALL BE 3,000 PSI MINIMUM.
2. 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.
3. 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

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

WATER

- MAIN - 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.
- VALVE BOXES - CAST IRON, 3 PIECE ADJUSTABLE STAMPED W/ "WATER".
- SERVICE LINE - 1" 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.

GENERAL NOTES

STREET

1. 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 (SC) 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.
2. UNDERCUTTING AND BACK FILLING SHALL EXTEND A MINIMUM OF 2 FEET BEYOND BACK OF CURB.
3. 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

1. CURB AND GUTTER SHALL BE 24" STANDARD (SEE DETAIL).
2. 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.
3. 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.
4. EXPANSION JOINTS IN CURB AND GUTTER SHALL BE 3/4" JOINT MATERIAL PLACED AT 30' (MAXIMUM) INTERVALS.
5. CONTRACTION JOINTS IN CURB AND GUTTER SHALL BE SCORED AT INTERVALS NOT GREATER THAN 10 FEET AND SPACED EQUALLY BETWEEN EXPANSION JOINTS.
6. CONCRETE FOR CURB AND GUTTER SHALL BE 3,000 PSI MINIMUM.
7. 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

1. ALL STORM DRAINAGE PIPE AND INLETS SHALL BE FLUSHED AND CLEARED OF ANY CONSTRUCTION MATERIALS AND/OR SEDIMENT UPON PROJECT COMPLETION.
2. 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.
3. INLET SEDIMENT TRAPS SHALL CONSIST OF HAY BALES FULLY SURROUNDING EACH INLET.
4. SEDIMENT BARRIERS SHALL BE HAY BALES PLACED IN ALL DRAINAGE WAYS TO PREVENT SEDIMENT FROM LEAVING CONSTRUCTION SITE.












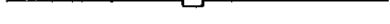
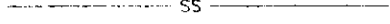



WATER & SEWER

1. ALL WATER AND SANITARY SEWER CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF RIDGELAND STANDARD SPECIFICATIONS.
2. 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.
3. SEWER SERVICE LINES SHALL BE 6"; SEWER MAINS SHALL BE 8" SDR-26 PVC.
4. WATER SERVICE LINES SHALL BE 1"; WATER MAINS SHALL BE 8" PC 350 DI.
5. SERVICES FOR WATER AND SEWER SHALL BE LOCATED NEAR THE CENTER OF ALL LOTS WITH 10 FOOT SEPARATION.
6. 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.
7. 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.
8. WATER MAINS SHALL BE INSTALLED WITH 4' MINIMUM COVER UNDER ROADWAY SECTIONS AND 3' MINIMUM COVER ELSEWHERE.
9. CONTRACTOR SHALL MAINTAIN RECORDS DURING CONSTRUCTION OF HORIZONTAL AND VERTICAL LOCATION OF ALL WATER AND SEWER SERVICES FOR AS BUILT RECORDS.

INDEX TO DRAWINGS

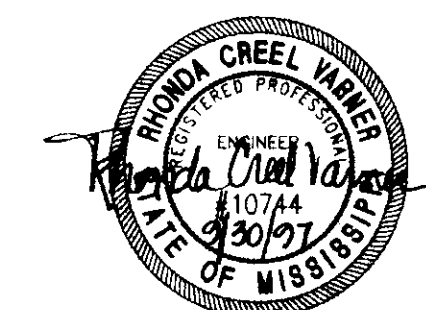
- 1 COVER SHEET
- 2 GENERAL NOTES AND INDEX TO DRAWINGS
- 3 STREETS & LOT LAYOUT
- 4 WATER & SEWER LAYOUT
- 5 STORM DRAINAGE LAYOUT
- 6 PLAN AND PROFILE - BERKSHIRE DRIVE
STA. STA. 5+65.52 - STA. 11+91.72
- 7 PLAN AND PROFILE - EASTWYCK DRIVE
STA. 0+00 - STA. 9+96.85
- 8 PLAN AND PROFILE - MISC. SANITARY SEWER
AND STORM DRAINS
- 9 PLAN AND PROFILE - TRIBUTARY 2 DITCH
- 10 STANDARD MISCELLANEOUS DETAILS
- 11 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
	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. Chama* DATE: 9/30/97



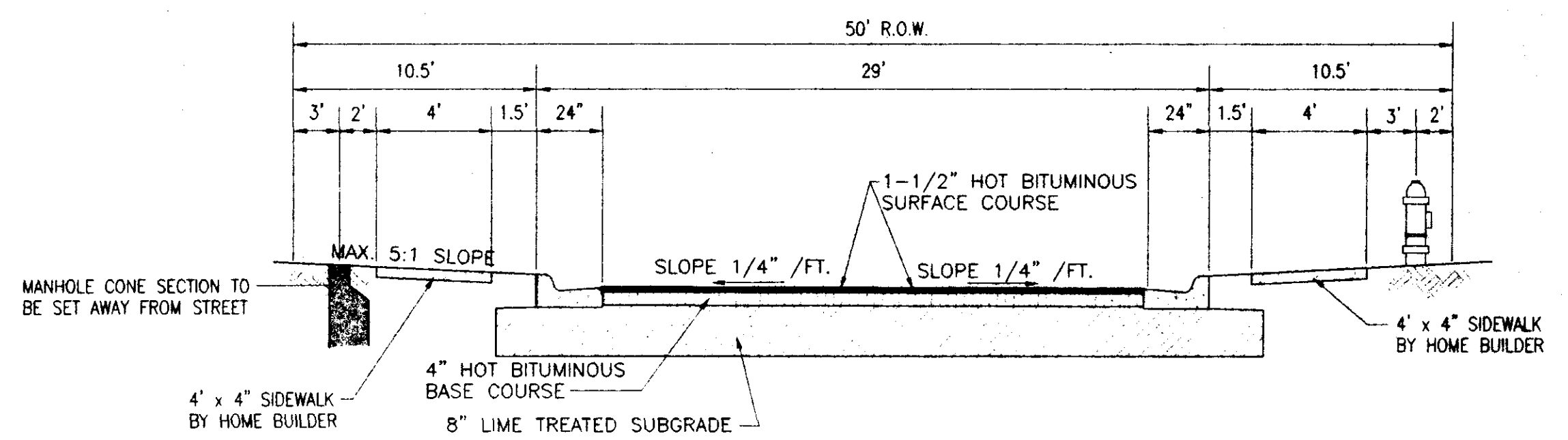
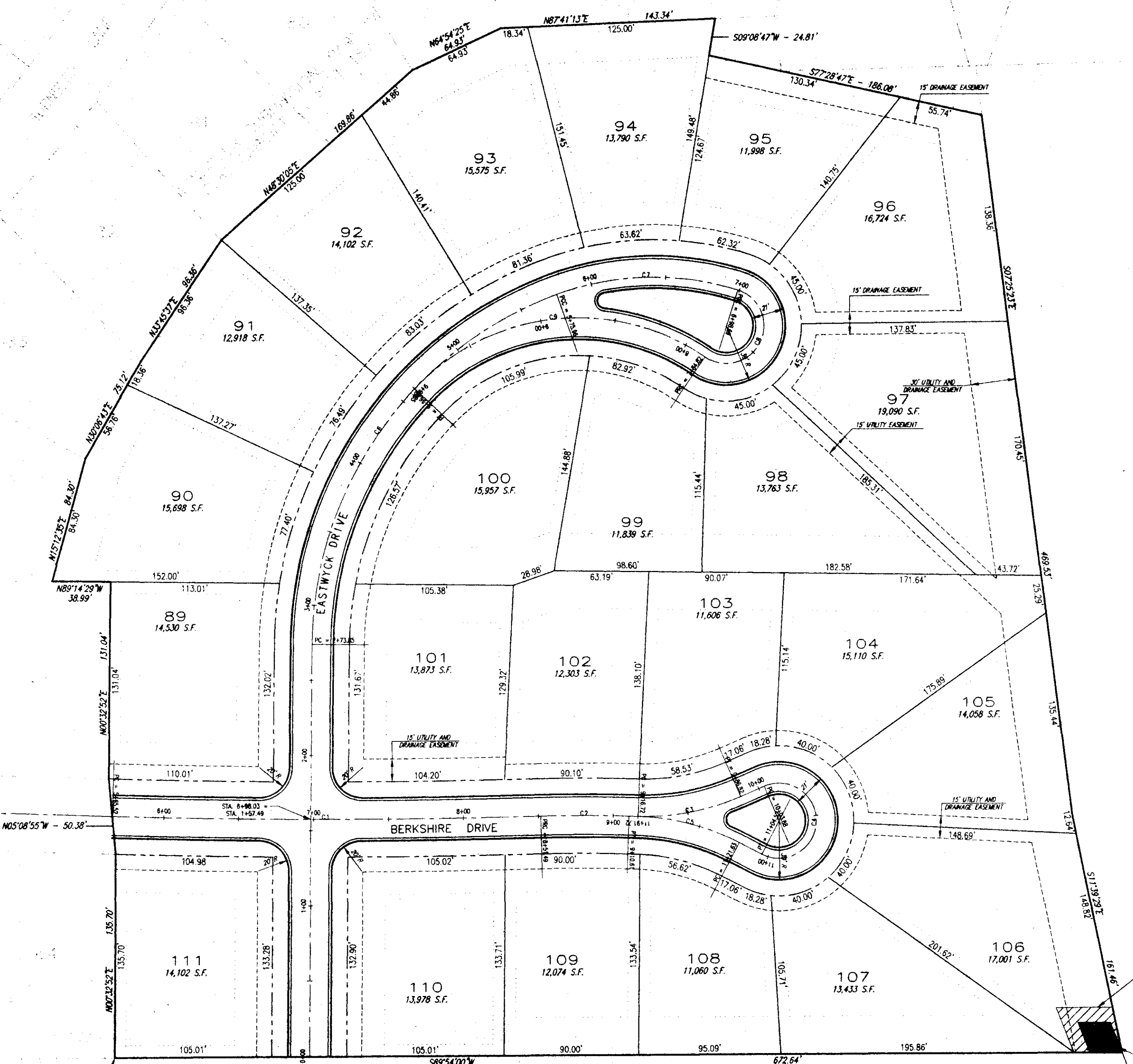
WENDOVER, PART 2B
A DEVELOPMENT OF
SHADOWOOD PARTNERS

GENERAL NOTES
AND INDEX TO DRAWINGS

CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI

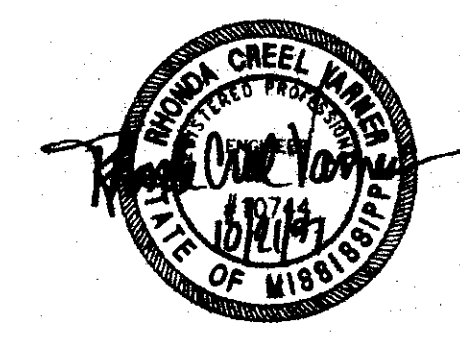
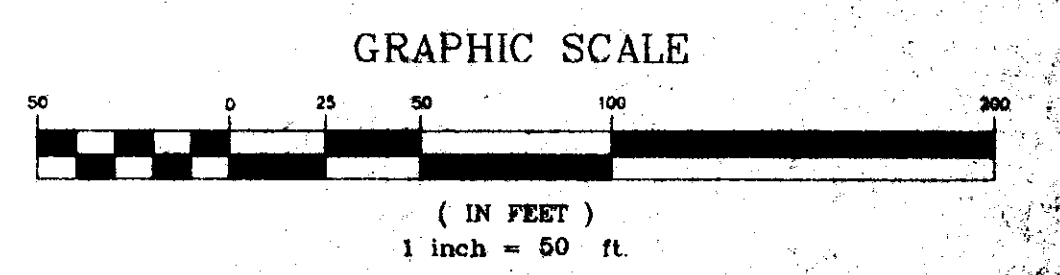
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CHECK: R.C.V.	DATE: 07/22/97		
SCALE: AS SHOWN			

WENDOVER SUBDIVISION, PART ONE
PLAT CABINET C, 3101 144



TYPICAL STREET SECTION
NOT TO SCALE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	CENTRAL ANGLE
1	5000.00	285.97	143.02	285.93	03°16'37"
2	1000.00	59.12	29.57	59.11	03°23'14"
3	158.21	70.10	35.63	69.53	25°23'10"
4	25.00	100.89	52.69	45.17	23°46'03"
5	158.21	70.09	35.63	69.52	25°23'02"
6	250.00	302.11	172.59	284.06	69°14'17"
7	188.70	122.73	63.62	120.58	37°15'58"
8	25.00	86.14	163.30	49.42	197°24'29"
9	150.00	212.03	128.09	194.81	80°59'23"



**WENDOVER, PART 2B
A DEVELOPMENT OF
SHADOWOOD PARTNERS**

**STREET AND LOT
LAYOUT**

**CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI**

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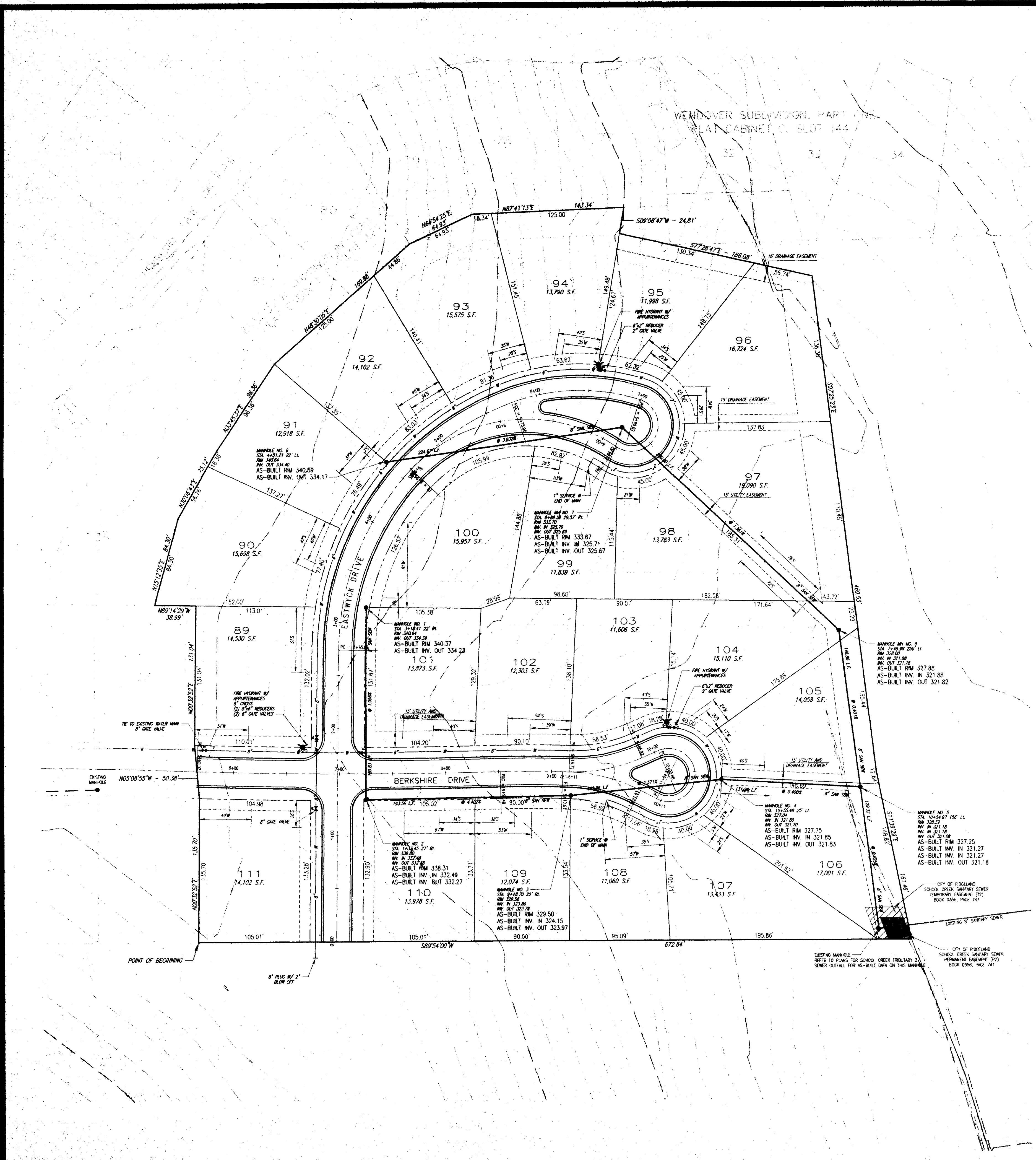
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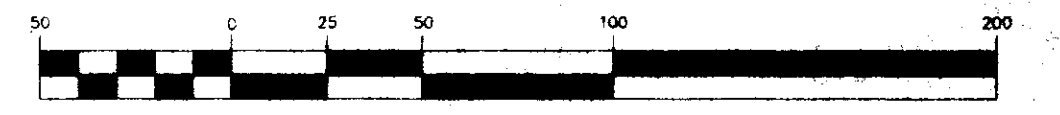
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AS-BUILT	PHW	01/11/97
REVISION	BY	DATE

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WENDOVER SUBDIVISION, PART 2B
 PLAN CABBINET C, SLOT 144



GRAPHIC SCALE



(IN FEET)
 1 inch = 50 ft.

WENDOVER, PART 2B
 A DEVELOPMENT OF
 SHADOWOOD PARTNERS

WATER AND SEWER
 LAYOUT

CITY OF RIDGELAND
 MADISON COUNTY, MISSISSIPPI



RECORD DRAWING

BY: *R. R. ...* DATE: 10/21/97

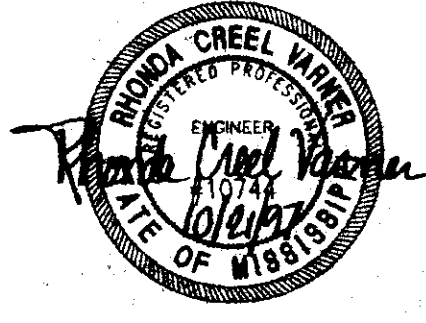
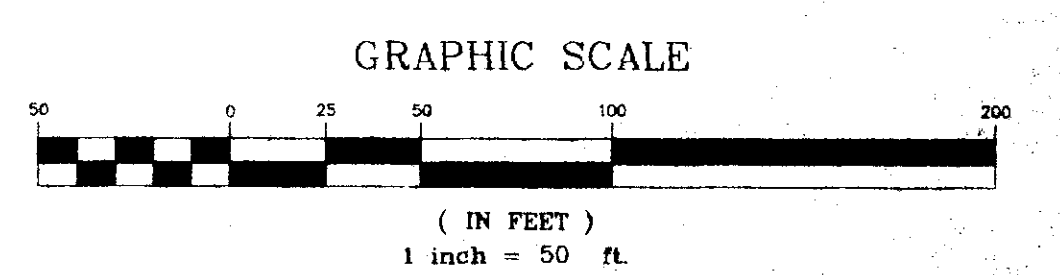
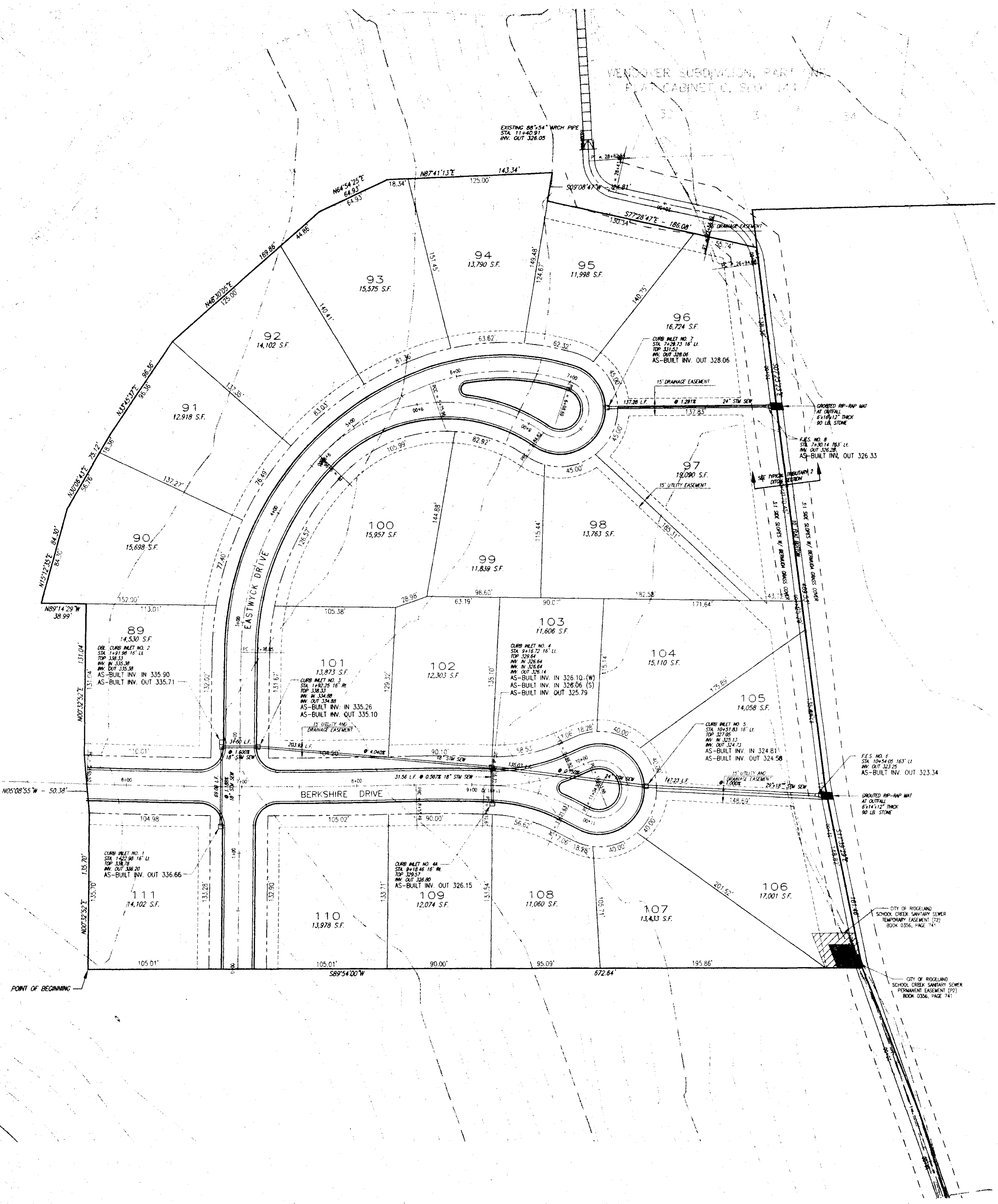
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AS-BUILT	PHW.	01/20/97
REVISION	BY	DATE

DATE	REV.	DATE	BY
07/21/97			
01/20/97			
07/21/97			
07/21/97			
SCALE	AS SHOWN		



WENDOVER SUBDIVISION, PART 2B, PLAN CABBINET C, SLOT 144, PREPARED BY STERLING CONSULTANTS, INC.

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**WENDOVER, PART 2B
 A DEVELOPMENT OF
 SHADOWOOD PARTNERS**

**STORM DRAINAGE
 LAYOUT**

**CITY OF RIDGELAND
 MADISON COUNTY, MISSISSIPPI**

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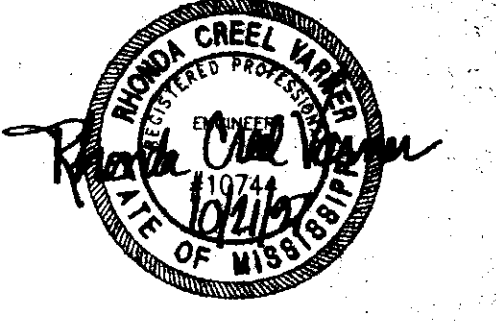
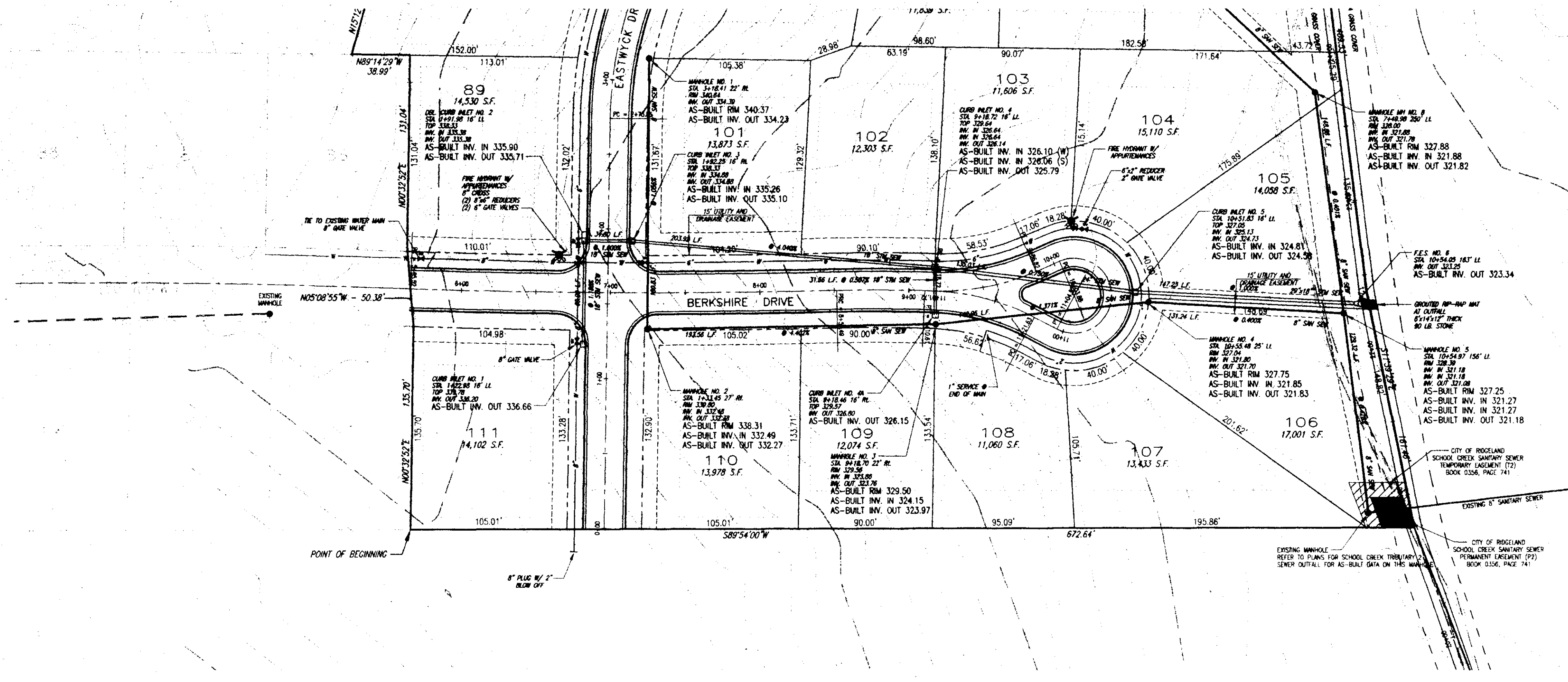
STERLING CONSULTANTS

DRAWING NO. **5 of 11**

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BY: *PHW* DATE: 10/21/97

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AS-BUILT	PHW	10/21/97
REVISION	BY	DATE

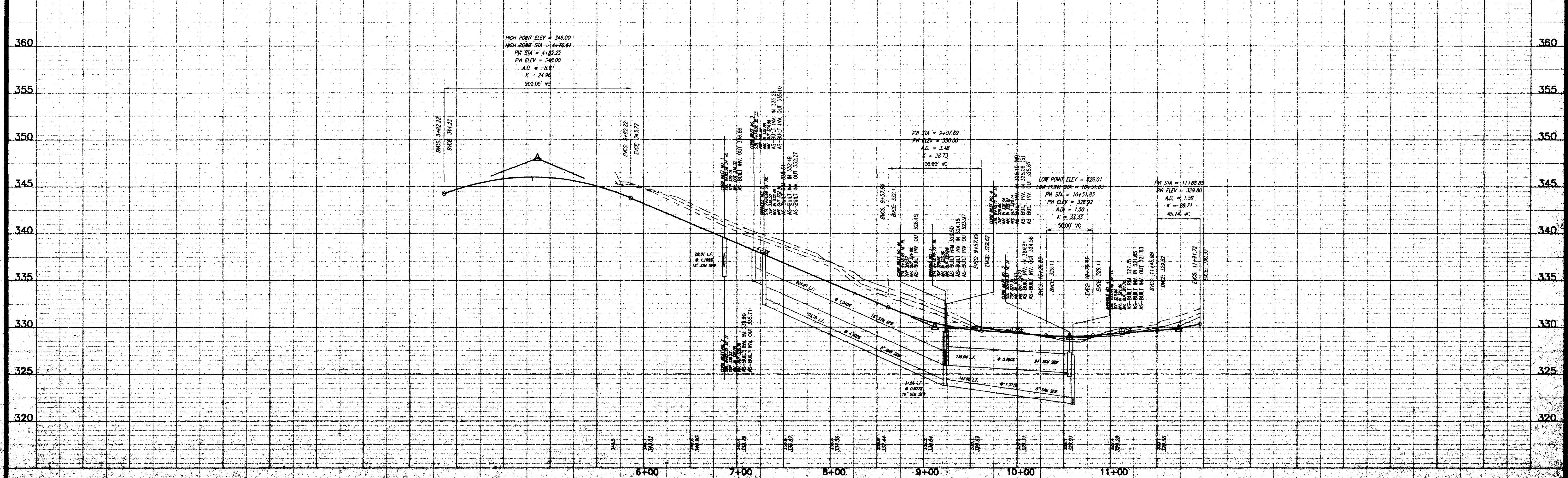


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BY: *R. Nanna* DATE: *10/11/97*

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

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DEL. FM & PUMP STA. -- RELOCATE VALVE -- REV. LOTS	PHW	10/11/97
AS-BUILT	PHW	09/29/97



WENDOVER, PART 2B
CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI

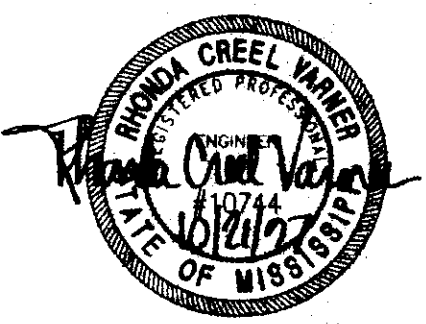
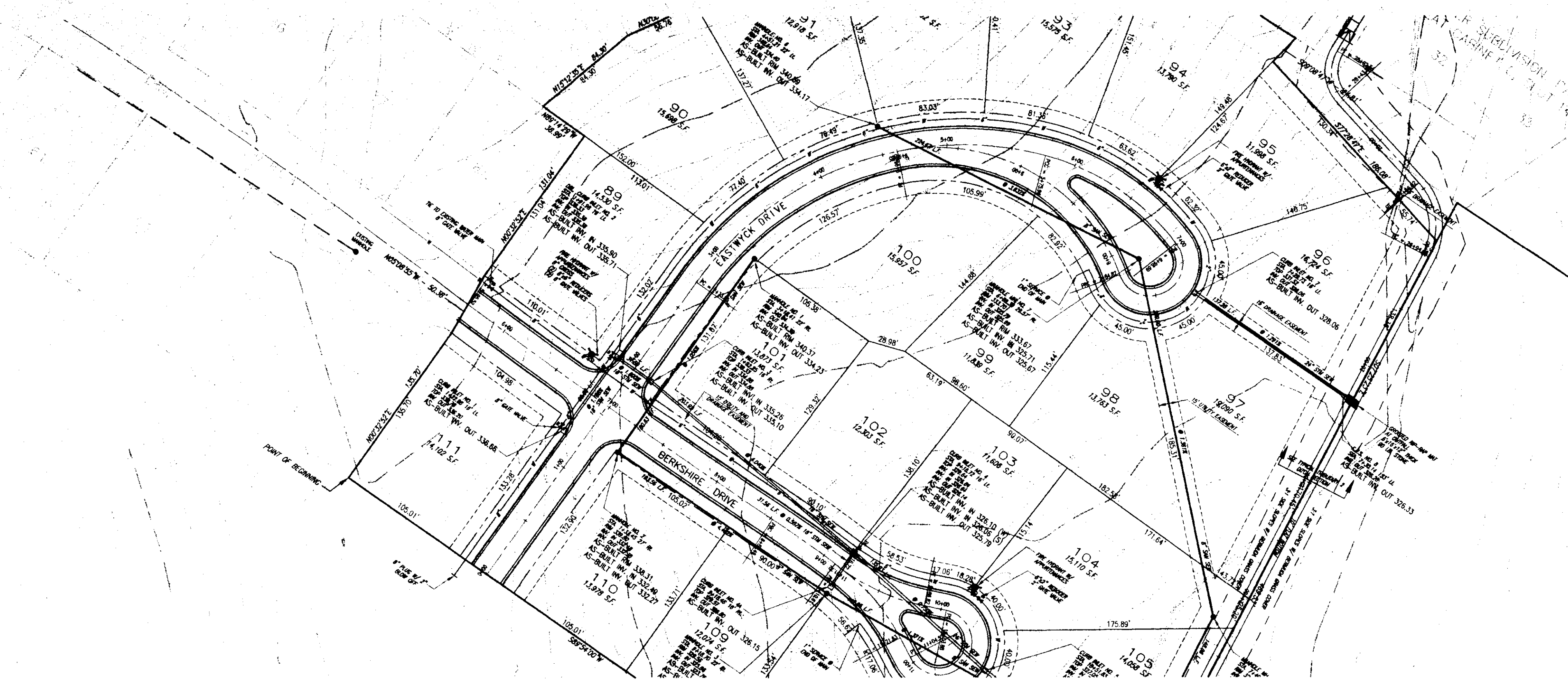
PLAN AND PROFILE - BERKSHIRE DRIVE
STA. 5+65.52 - STA. 11+91.72

Prepared For:
SHADOWOOD PARTNERS

REV.	DATE	BY
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2	04/22/97	PHW
3	07/23/97	PHW
4	10/11/97	PHW

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Consultants
6-11

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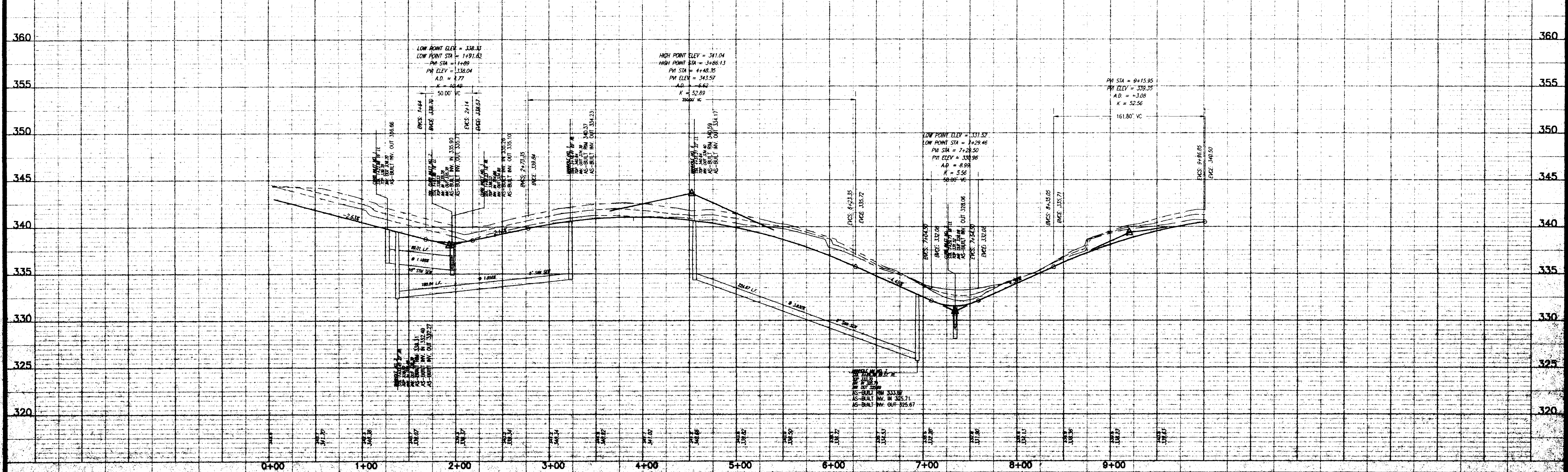
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DEL. FM & PUMP STA - RELOCATE VALVE - REV. LOTS	PHW	10/21/97
AS-BUILT	PHW	09/20/97

REVISION	BY	DATE



WENDOVER, PART 2B
CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI

PLAN AND PROFILE - EASTWYCK DRIVE
STA. 0+00 - STA. 9+96.85

Prepared For:
SHADOWOOD PARTNERS

Drawn By	REV	DATE
Checked By	PHW	10/21/97
Scale	1"=50' HORIZ	1"=5' VERT

STERLING CONSULTANTS
Drawing No. 7 of 11

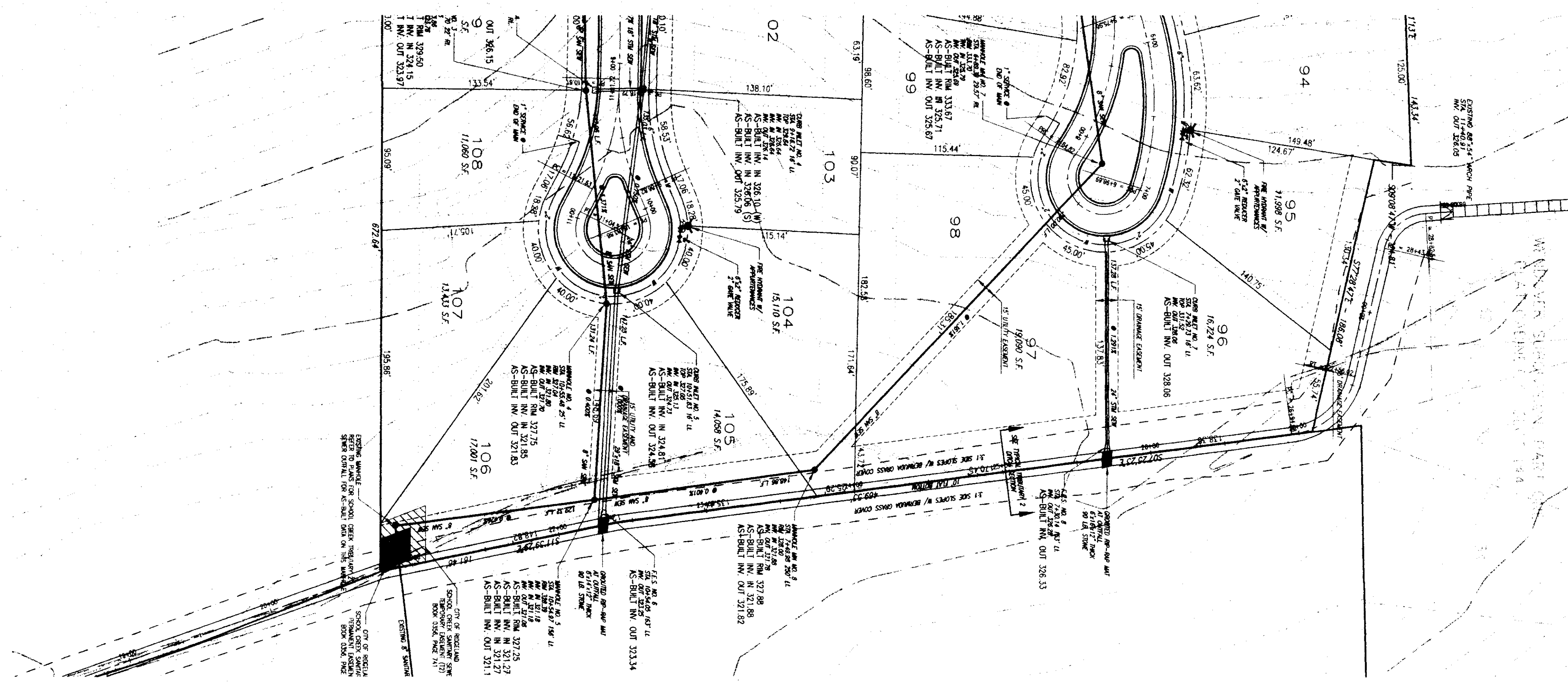
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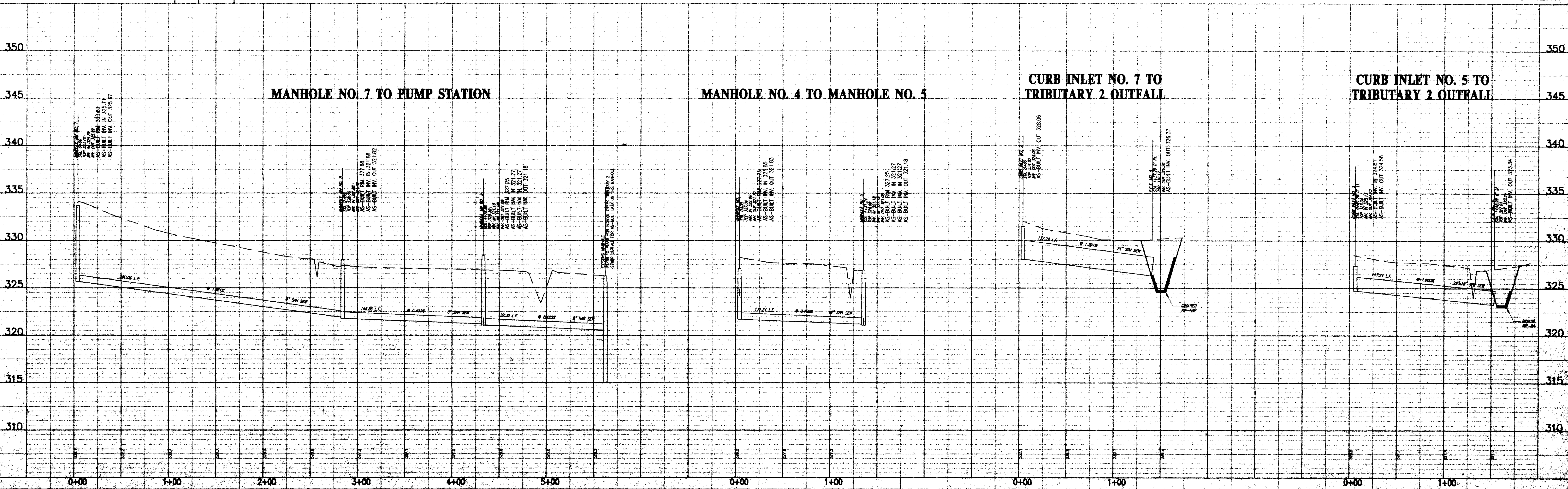
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AS-BUILT	PHW	03/20/97



WENDOVER, PART 2B
CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI

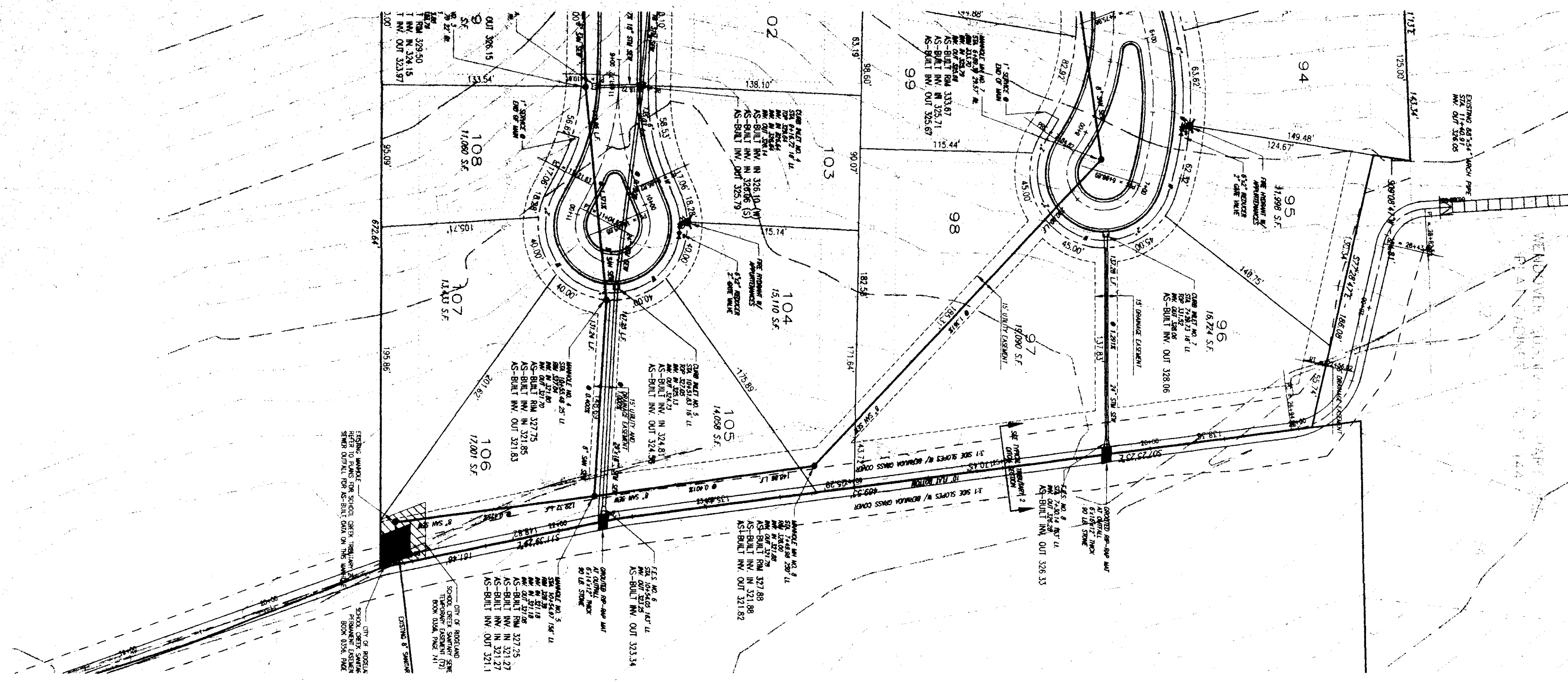
PLAN AND PROFILE - MISC. SANITARY SEWER AND STORM DRAINS

Prepared For:
SHADOWOOD PARTNERS

Checked By:	REV.	DATE: 07/25/97
Drawn By:	PHW	DATE: 07/25/97
Checked By:	REV.	DATE: 07/25/97
Scale:	1"=50' HORIZ.	1"=5' VERT.

STERLING
CONSULTANTS
Drawing No. **8 of 11**

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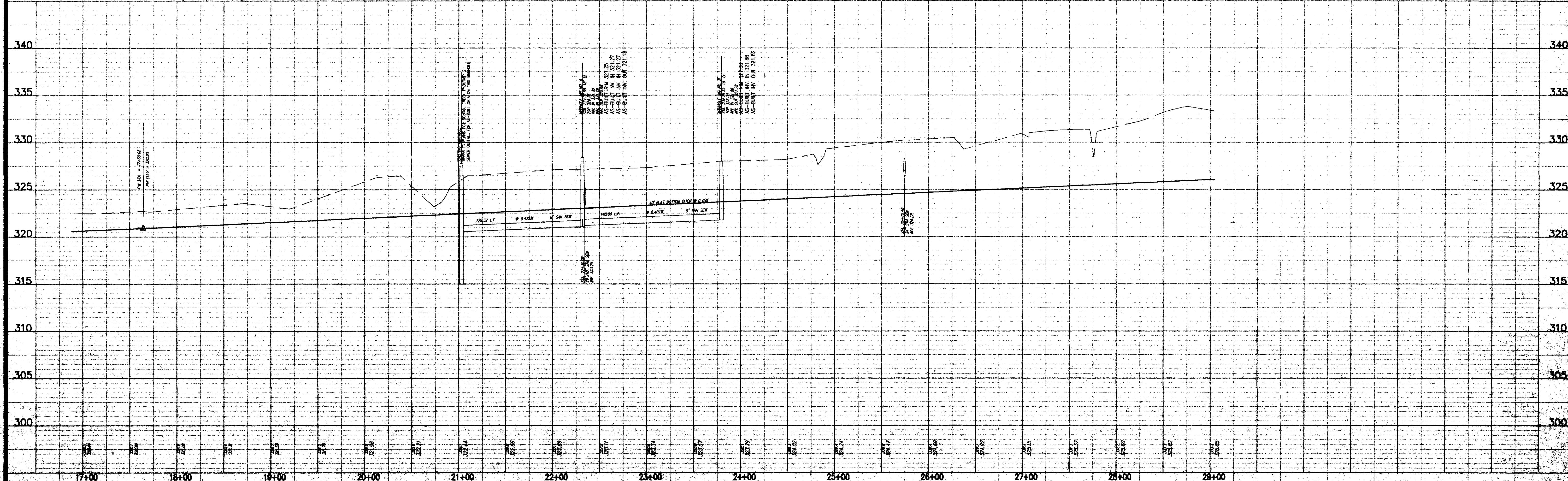


RECORD DRAWING

BY: *R. Weber* DATE: 10/21/97

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

REVISION	BY	DATE
DEL. FM & PUMP STA. - RELOCATE VALVE - REV. LOTS	PHW	10/21/97
AS-BUILT	PHW	08/30/97



WENDOVER, PART 2B
CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI

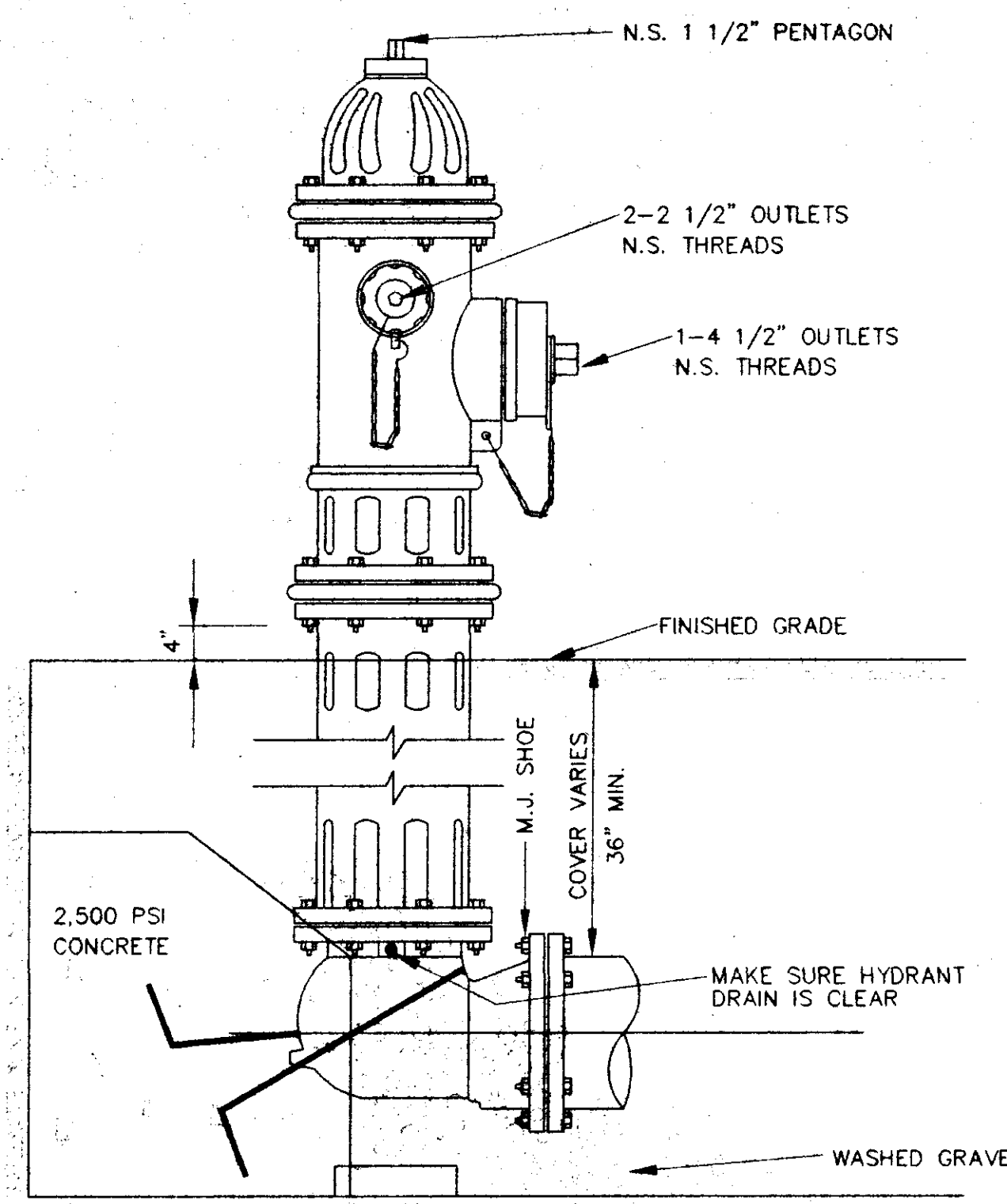
**PLAN AND PROFILE - TRIBUTARY 2 DITCH
STA. 20+50 - STA. 29+00.99**

Prepared For:
SHADOWOOD PARTNERS

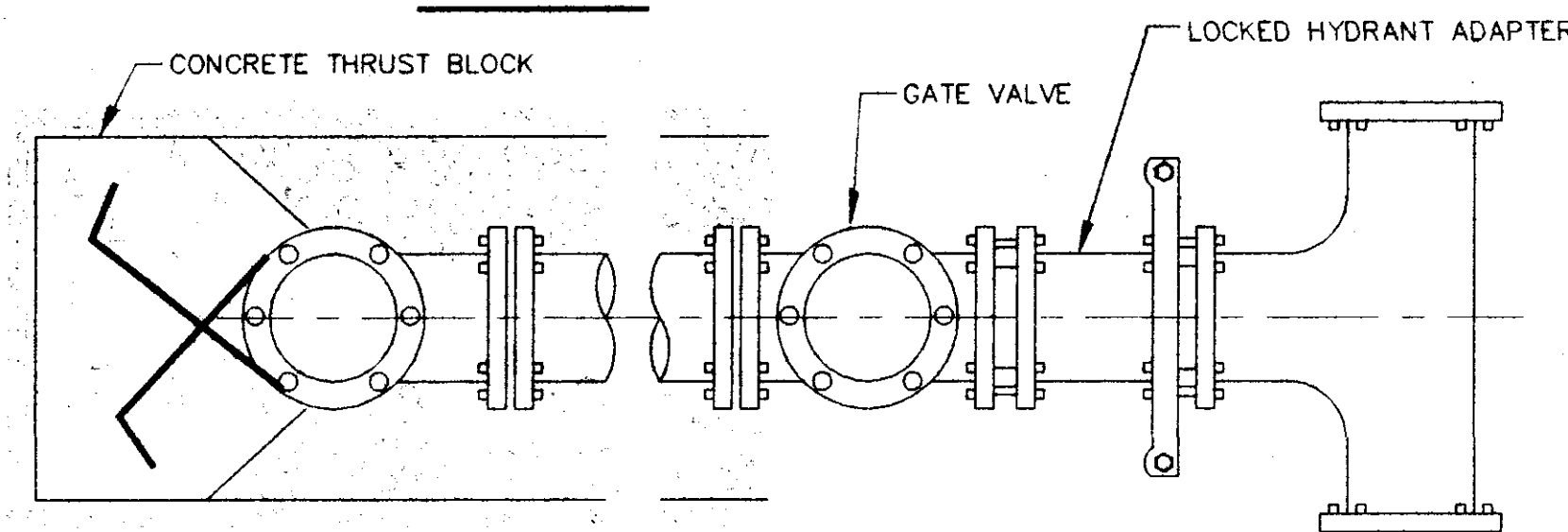
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STERLING
Consultants
Drawing No. 9-11

Wendover, Part 2B, dated Oct 21, 1997, is of 1997, Paul H. Wehler - Sterling Consultants, Inc.



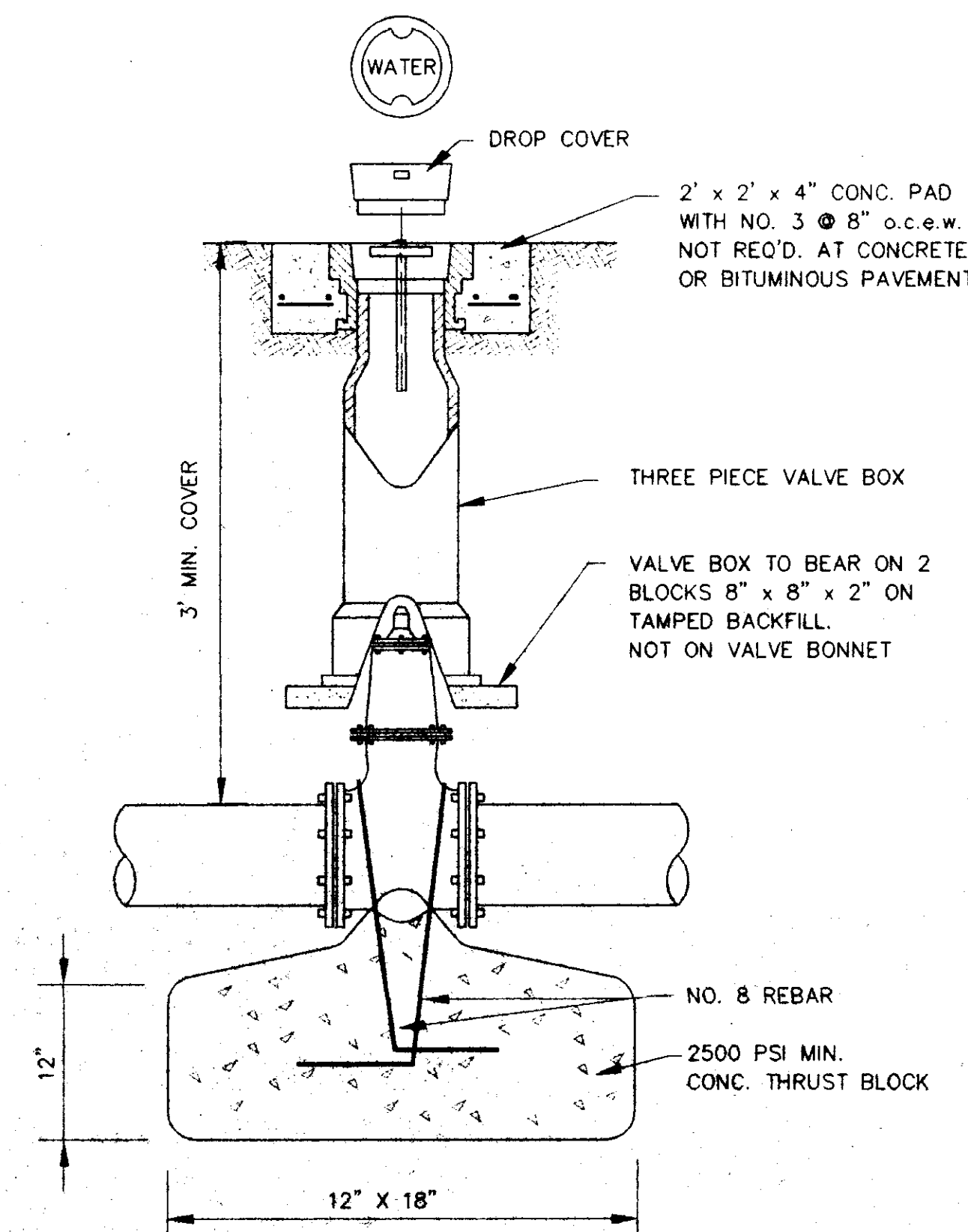
ELEVATION



PLAN

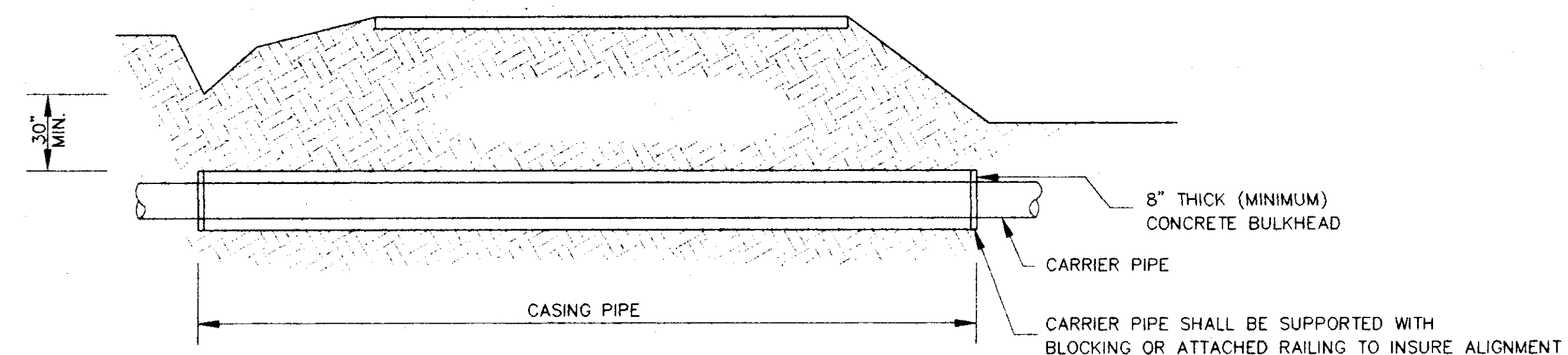
TYPICAL FIRE HYDRANT INSTALLATION

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



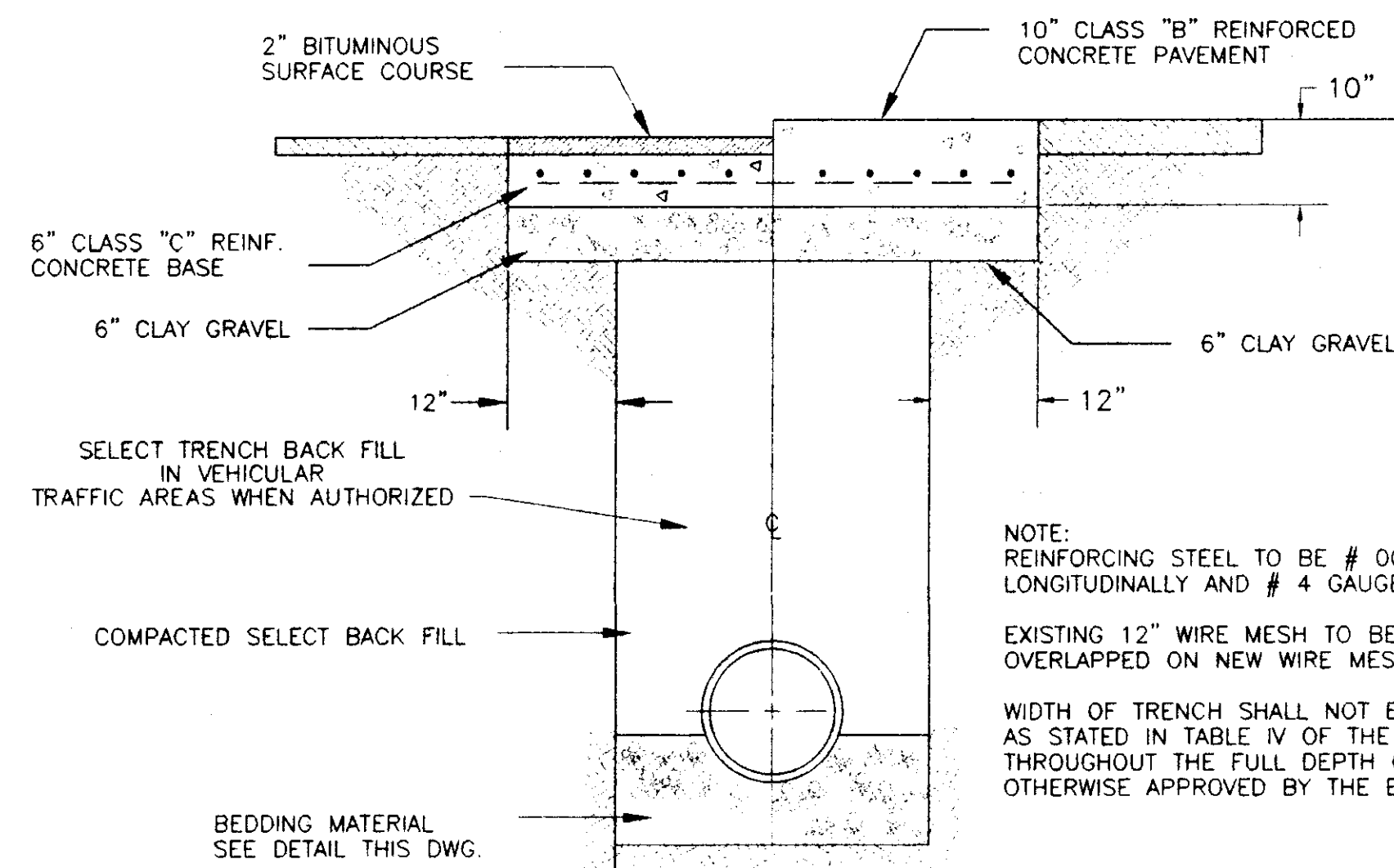
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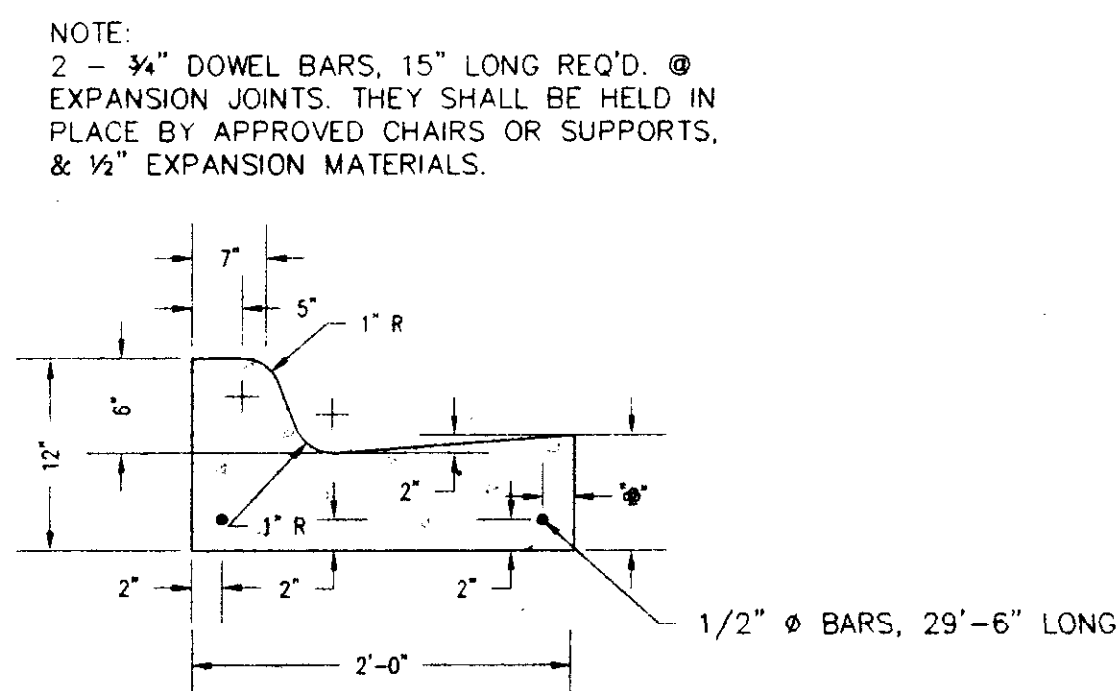
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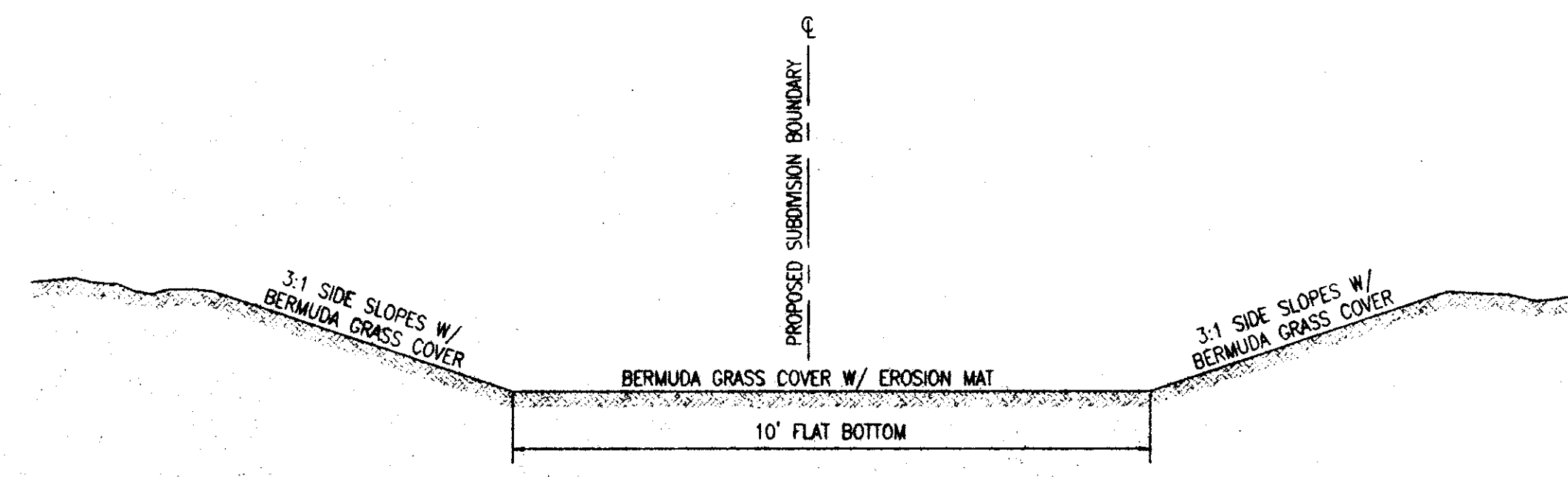
TYPICAL ROADWAY SECTION

NOT TO SCALE



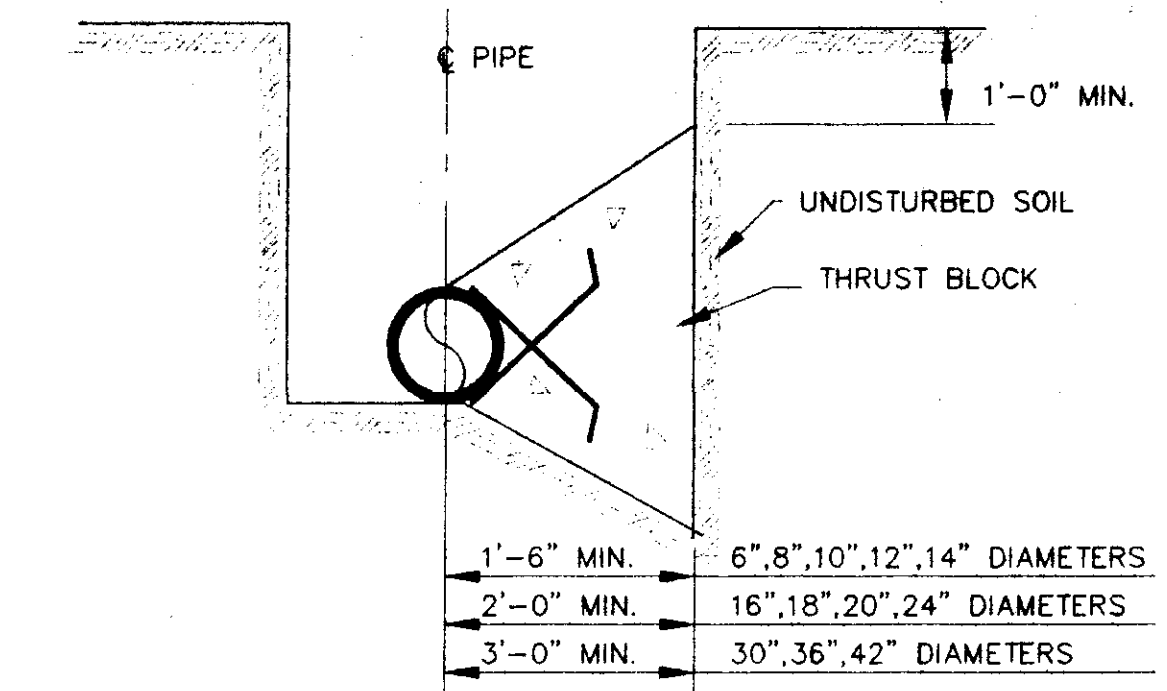
STANDARD CURB AND GUTTER

N.T.S.

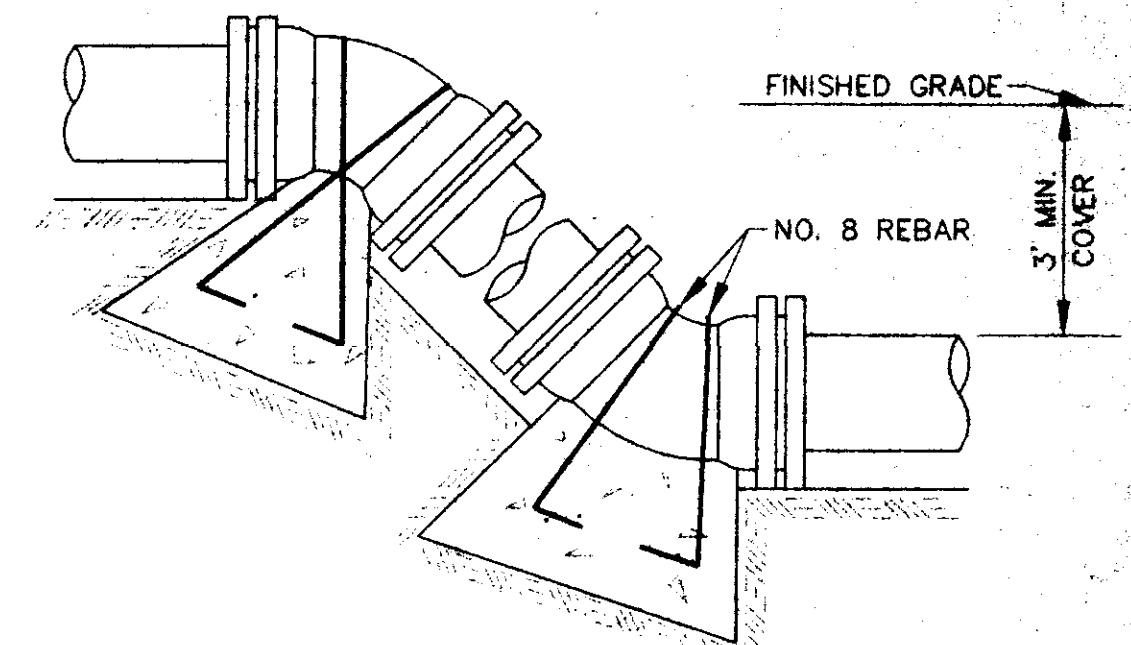


TYPICAL TRIBUTARY 2 DITCH SECTION

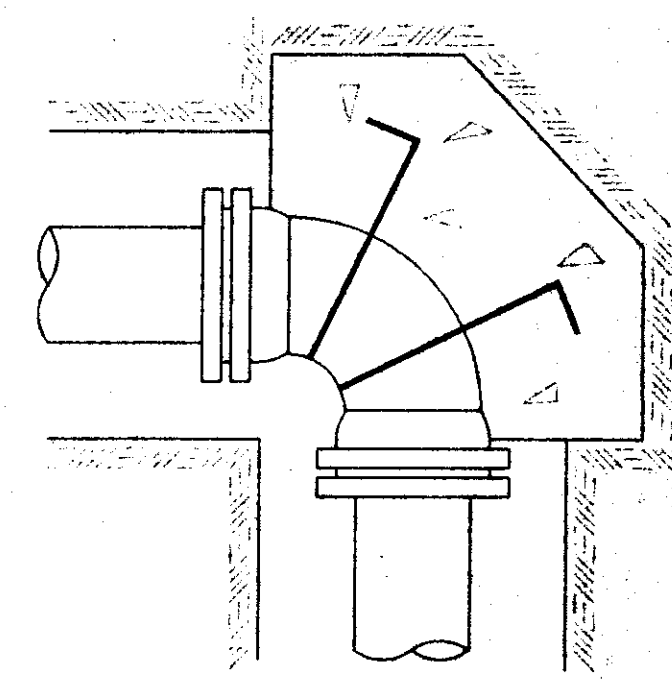
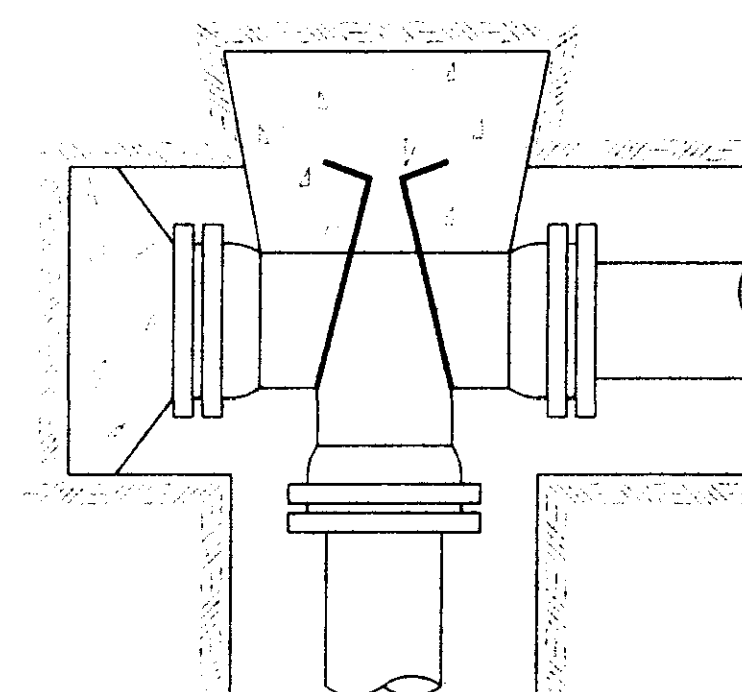
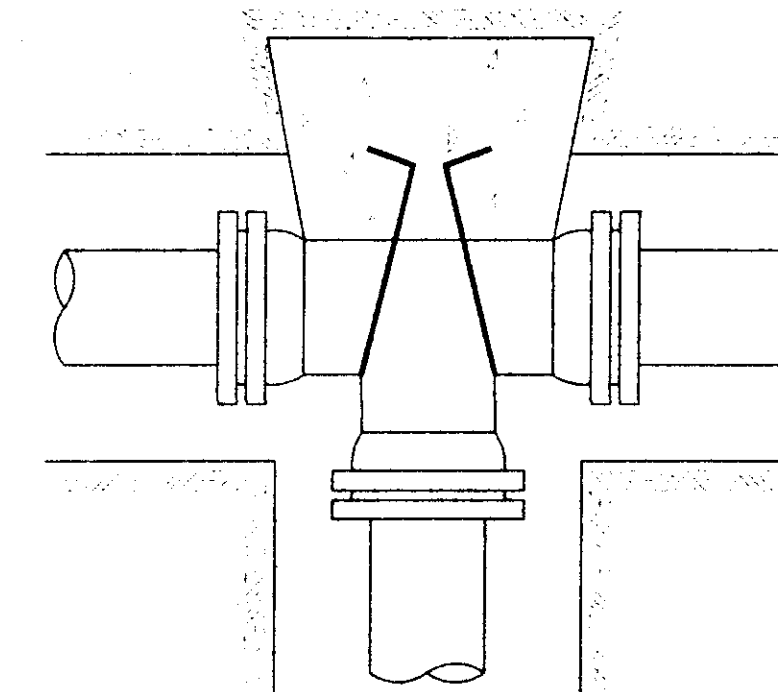
NOT TO SCALE



TYPICAL CROSS SECTION

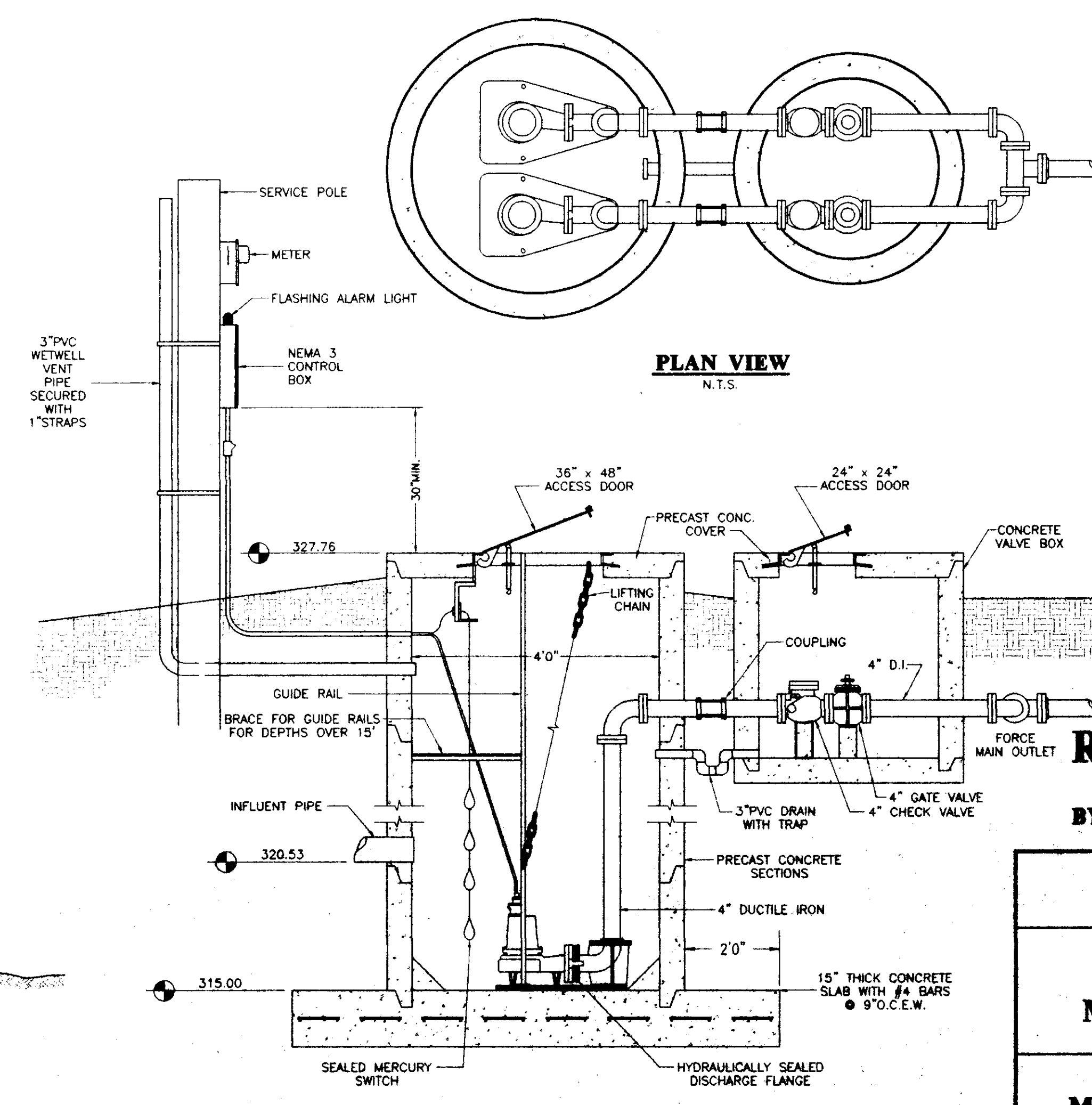


VERTICAL BENDS



TYPICAL THRUST BLOCKING IN WATER MAINS AND SEWAGE FORCE MAINS

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

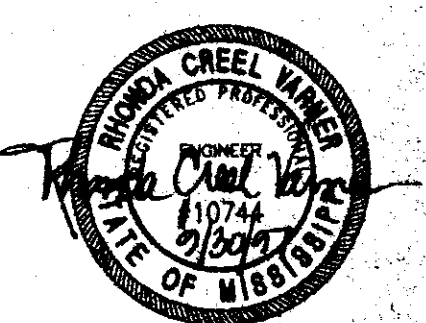


PLAN VIEW

N.T.S.

SANITARY SEWER PUMP STATION

N.T.S.



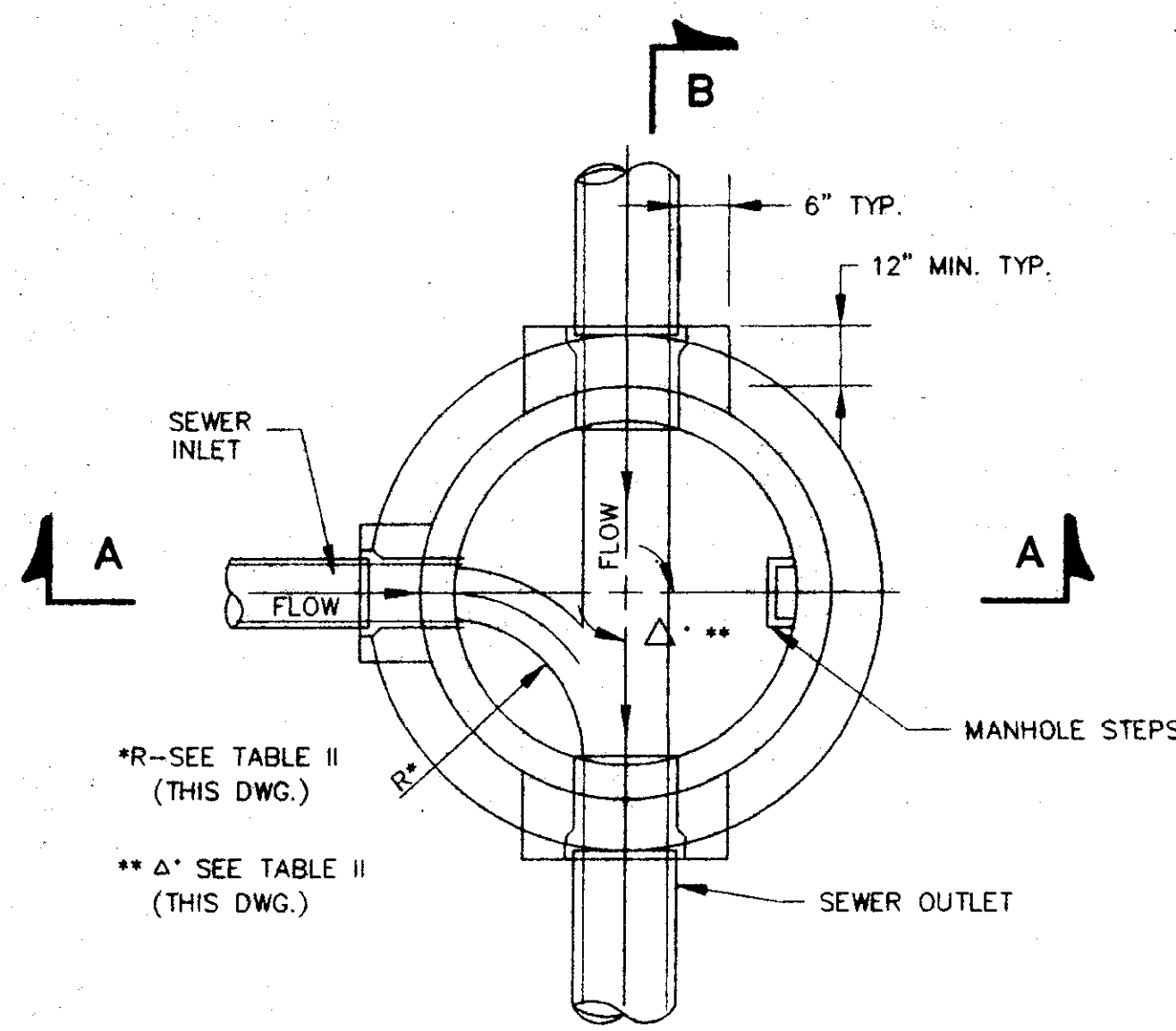
RECORD DRAWING

BY: *R. Warner* DATE: 9/30/97

WENDOVER, PART 2B A DEVELOPMENT OF SHADOWOOD PARTNERS	
STANDARD MISCELLANEOUS DETAILS	
CITY OF RIDGELAND MADISON COUNTY, MISSISSIPPI	
DESIGN: RCV DATE: 01/13/97	DRAWN: RDB DATE: 01/13/97
CHECK: RCV DATE: 01/13/97	SCALE: AS SHOWN
DRAWING NO. 10 OF 11	

F:\WENDOVER\w2b-004 Tue Sep 30 14:34:31 1997 Paul H. Mjhalin - Sterling Consultants, Inc.

AS-BUILT	REVISION	BY	DATE

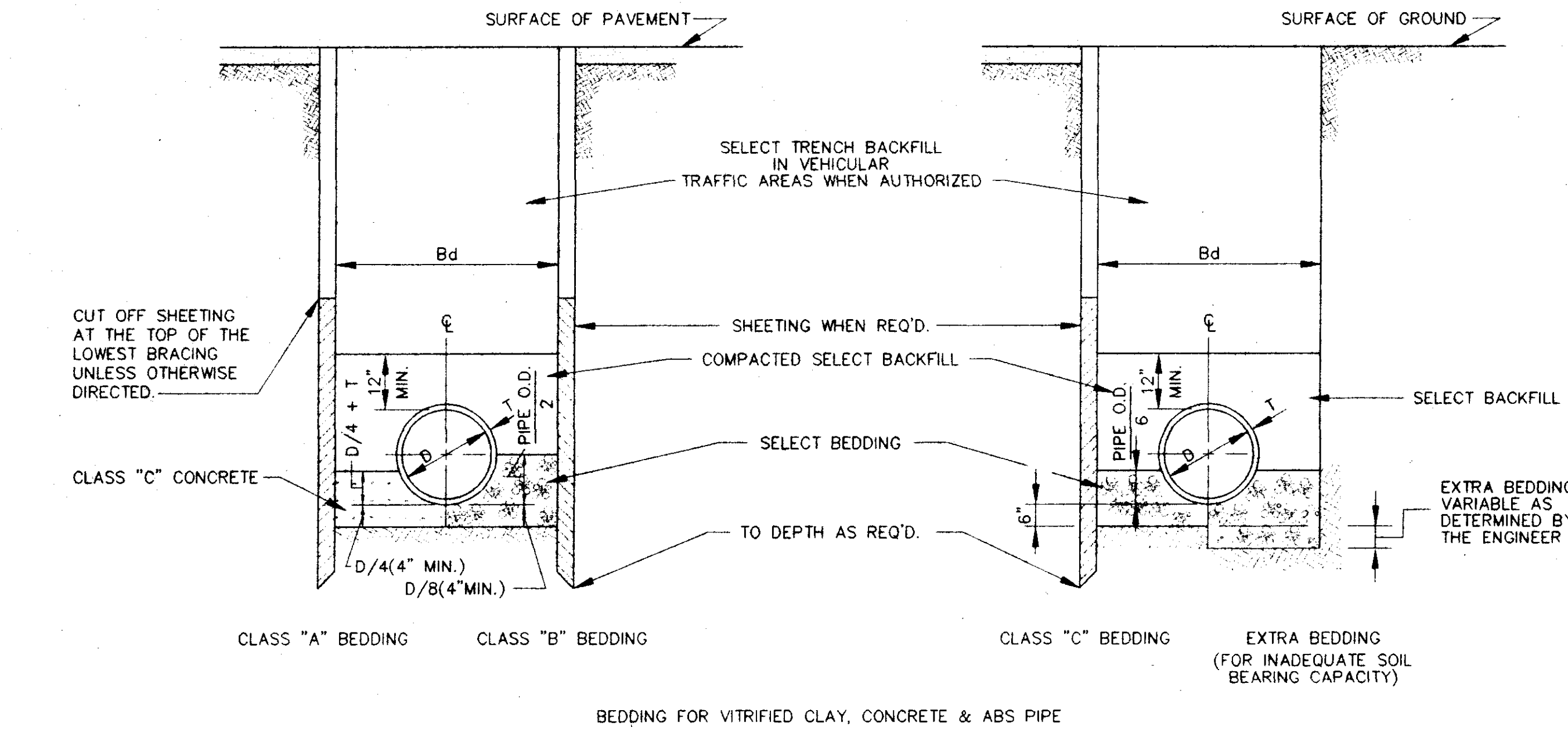


*R--SEE TABLE II (THIS DWG.)
 ** Δ° SEE TABLE II (THIS DWG.)

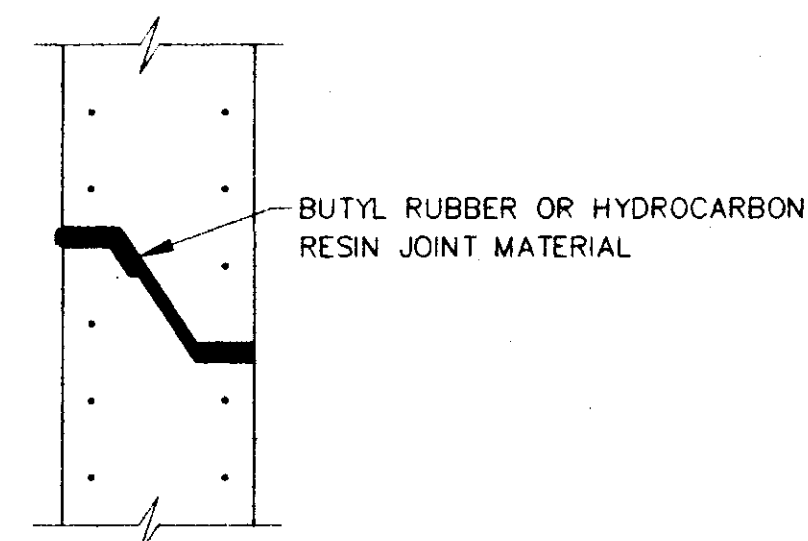
**SECTIONAL PLAN
 STANDARD MANHOLE**
 NOT TO SCALE

TABLE II GOVERNING DIMENSIONS FOR MANHOLES			
PIPE SIZE	Δ ANGLE	BASE DIAMETER **	R* *
8" THRU 12"	0° TO 90°	4'	1'- 6"
15"	0° TO 60°	4'	1'- 10"
15"	60° TO 90°	4'	1'- 10"
18"	0° TO 60°	4'	2'- 3"
18"	60° TO 90°	4'	1'- 10"
21"	0° TO 60°	4'	2'- 7"
21"	60° TO 90°	5'	2'- 4"
24"	0° TO 45°	4'	3'- 0"
24"	45° TO 90°	5'	2'- 3"
30"	0° TO 60°	5'	3'- 9"
30"	60° TO 90°	6'	2'- 8"
36"	0° TO 60°	6'	4'- 6"
36"	60° TO 90°	7'	3'- 11"
42"	0° TO 60°	7'	5'- 3"
42"	60° TO 90°	8'	4'- 7"
48"	0° TO 60°	8'	6'- 0"
48"	60° TO 90°	9'	5'- 3"

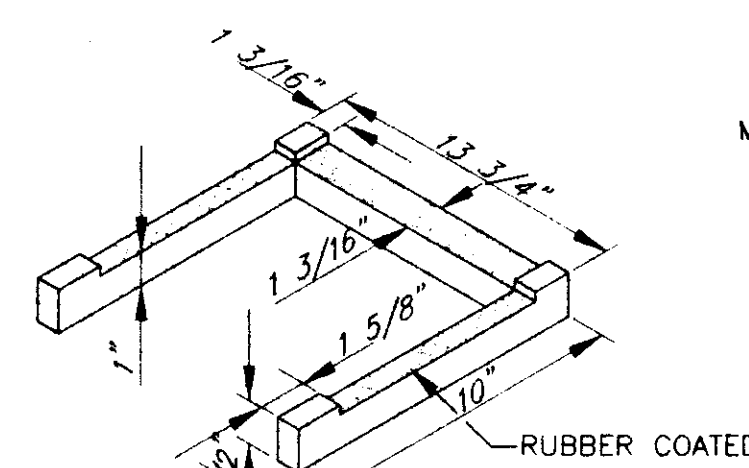
* SEE SECTIONAL PLAN, STANDARD MANHOLE
 ** PRECAST MANHOLE



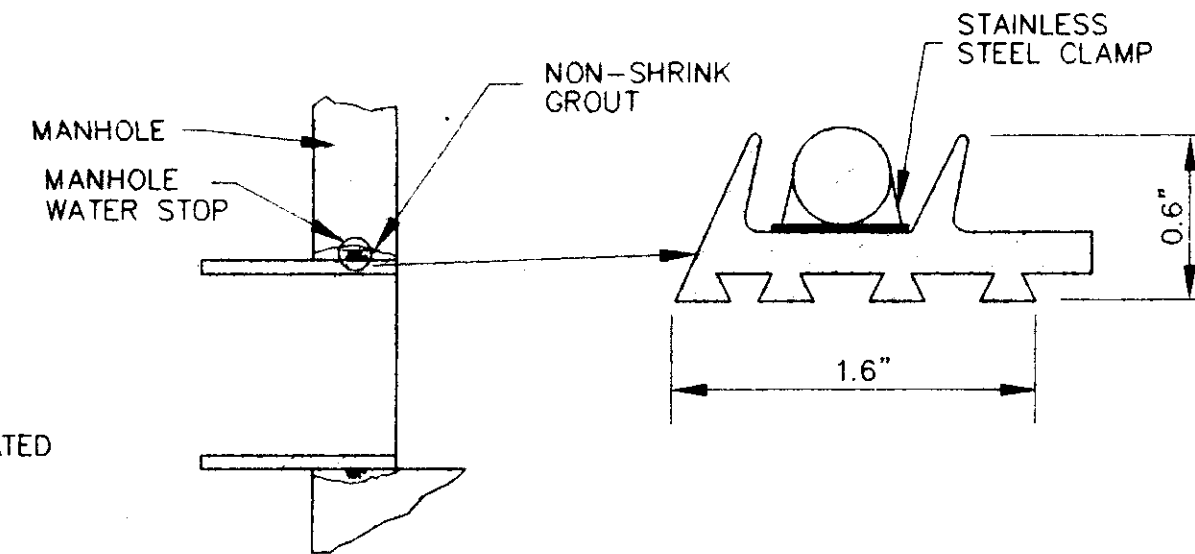
TYPICAL TRENCH DETAILS
 NOT TO SCALE



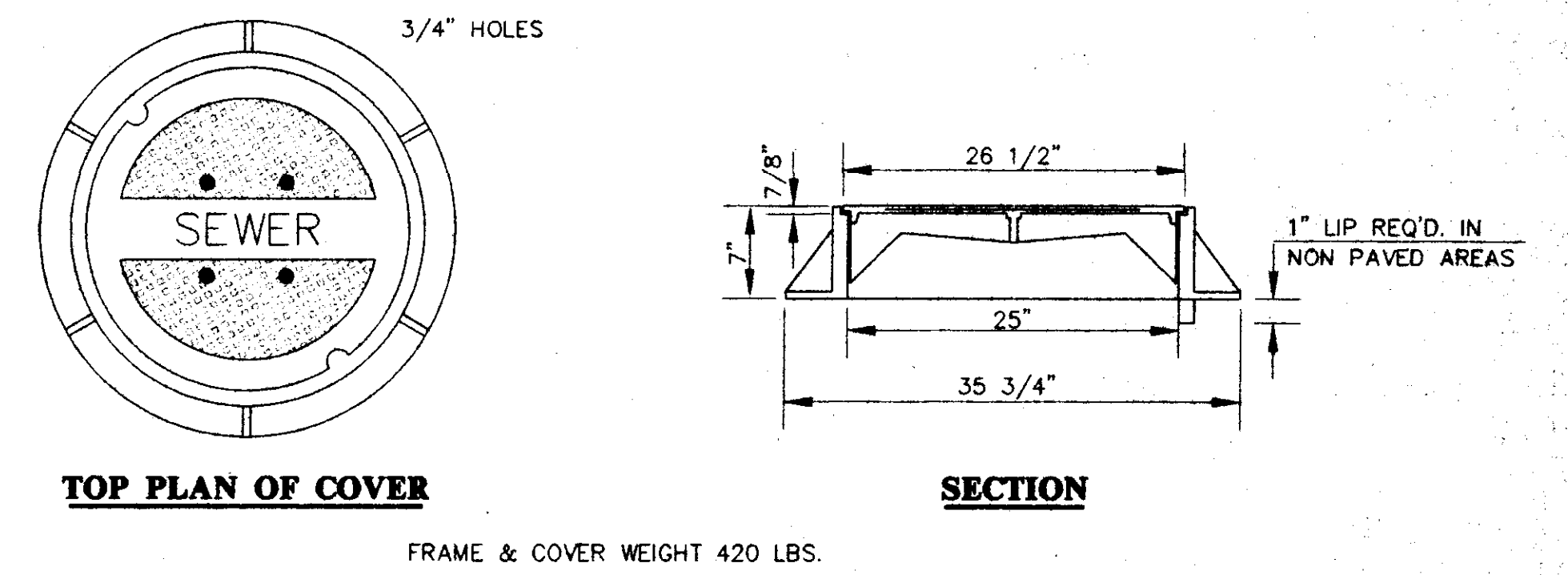
**TYPICAL PRECAST CONCRETE
 MANHOLE JOINT DETAIL**
 N.T.S.



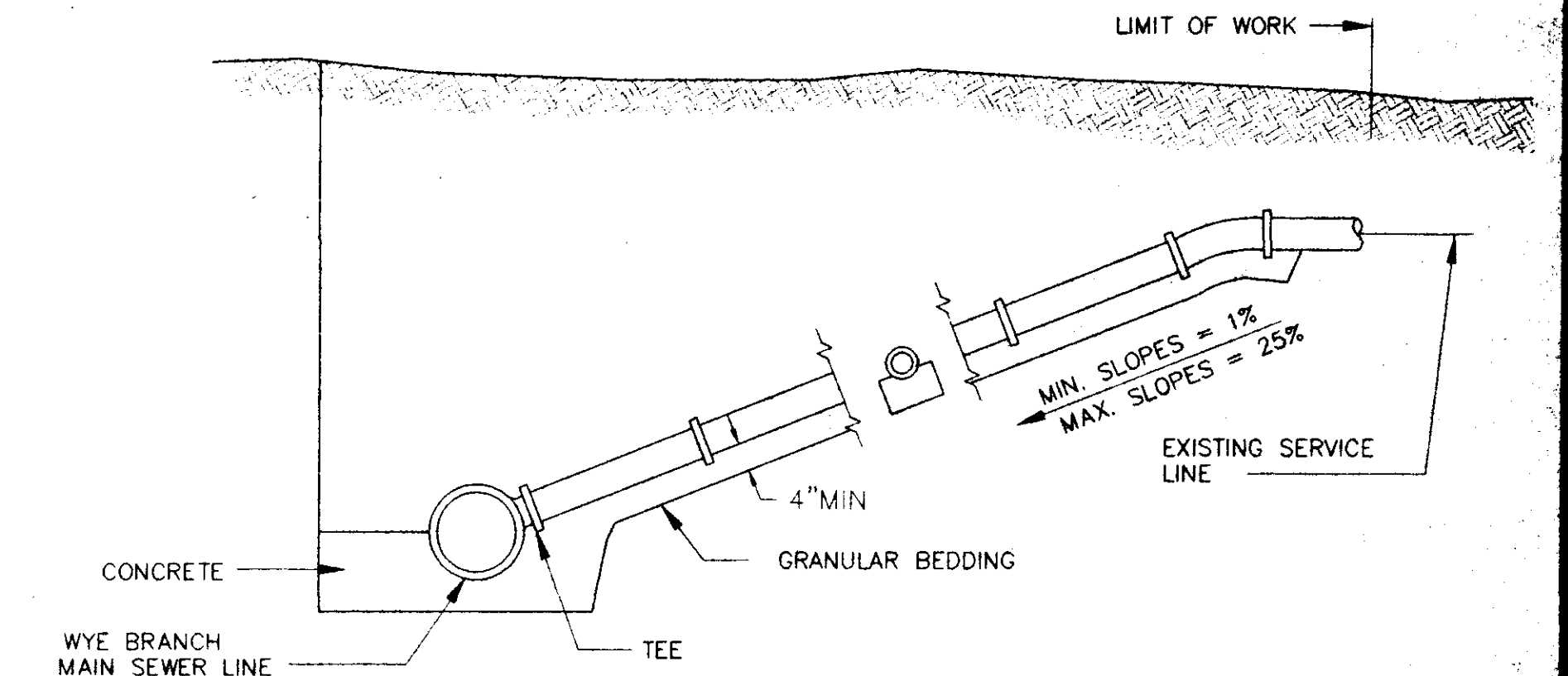
MANHOLE STEP DETAIL
 NOT TO SCALE



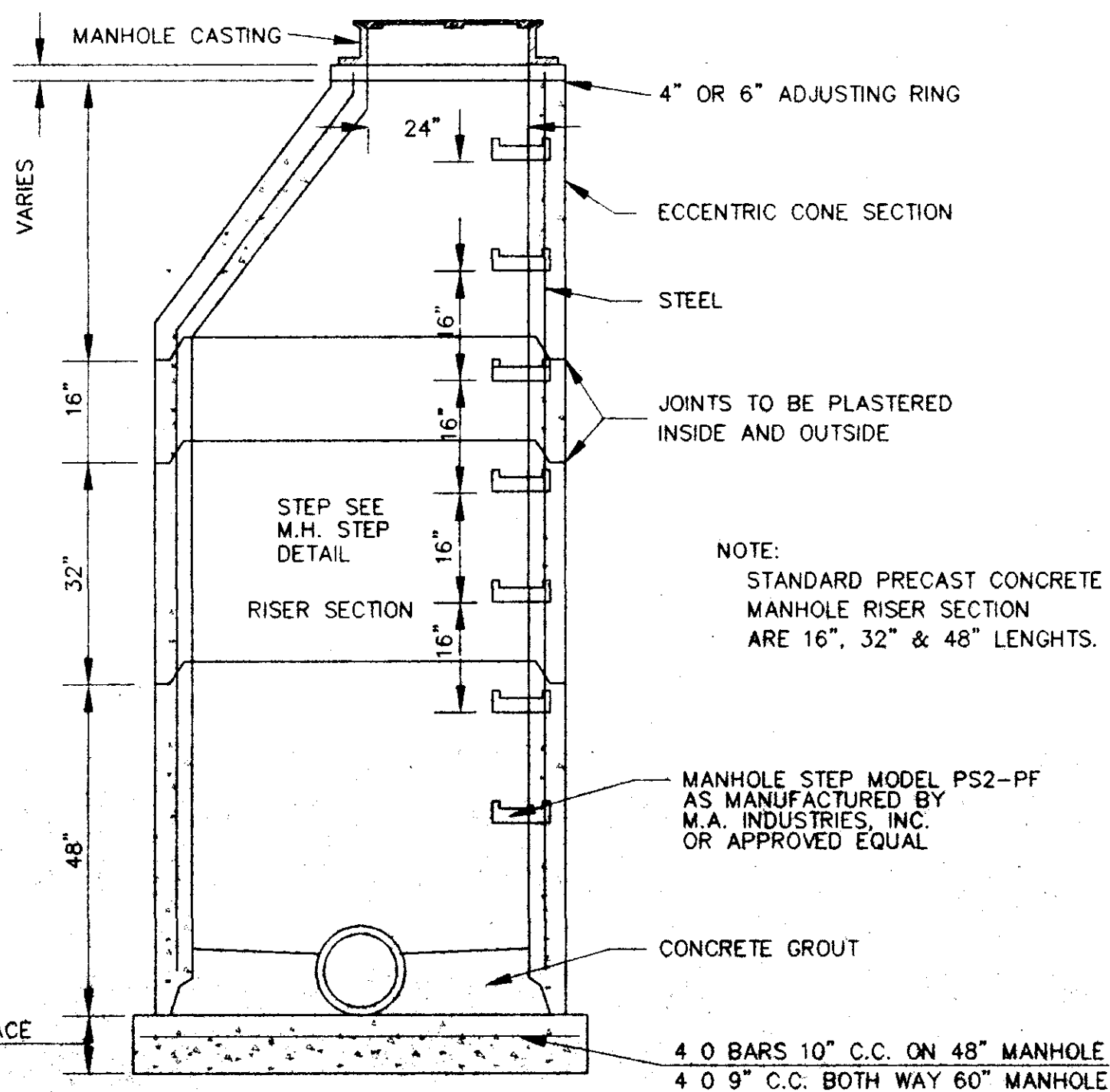
**TYPICAL MANHOLE WATER STOP
 FOR ABS, CLAY OR PVC PIPE**
 EXISTING AND "STRADDLE" MANHOLES
 N.T.S.



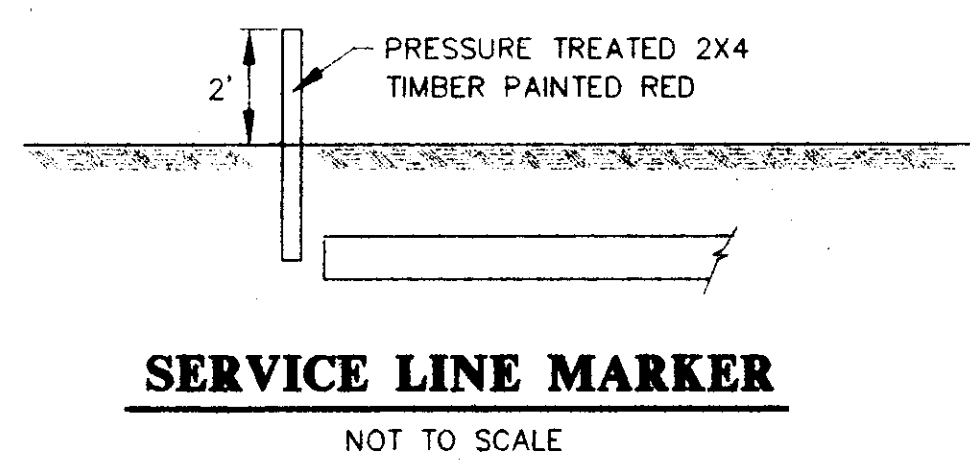
STANDARD MANHOLE FRAME AND COVER
 N.T.S.



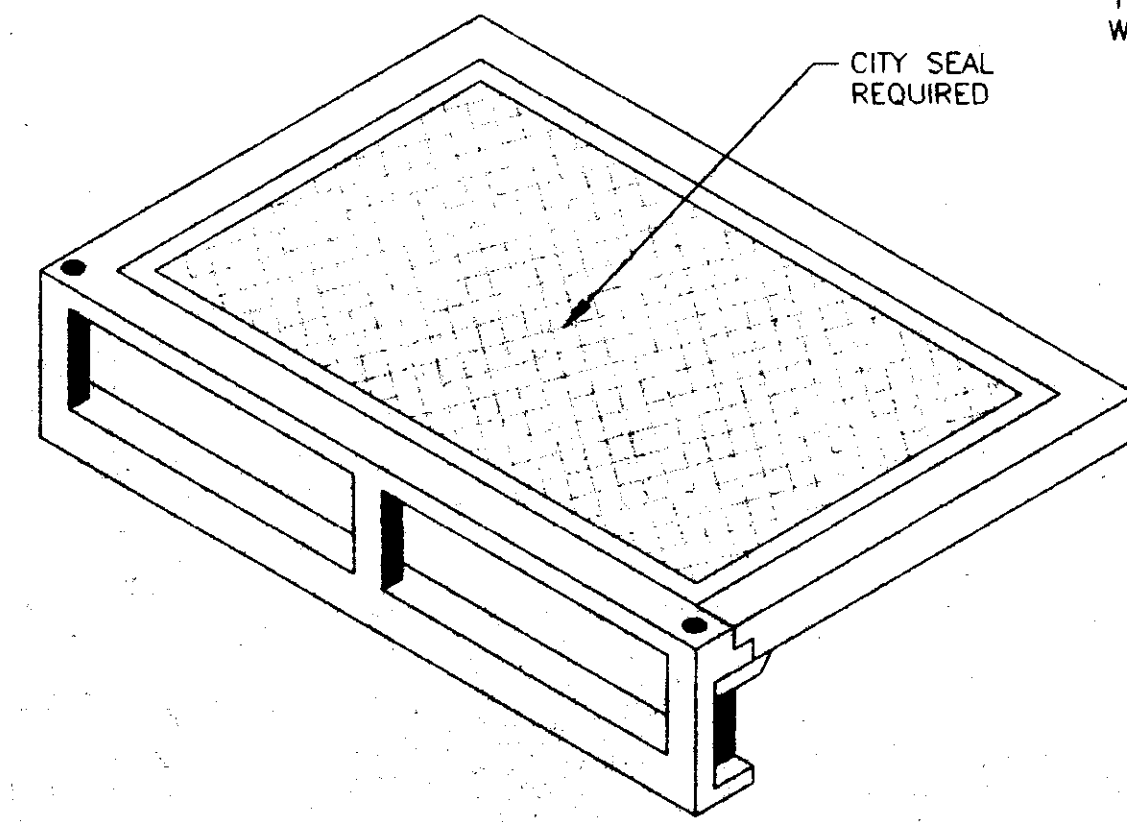
TYPICAL SERVICE LINE CONNECTION
 NOT TO SCALE



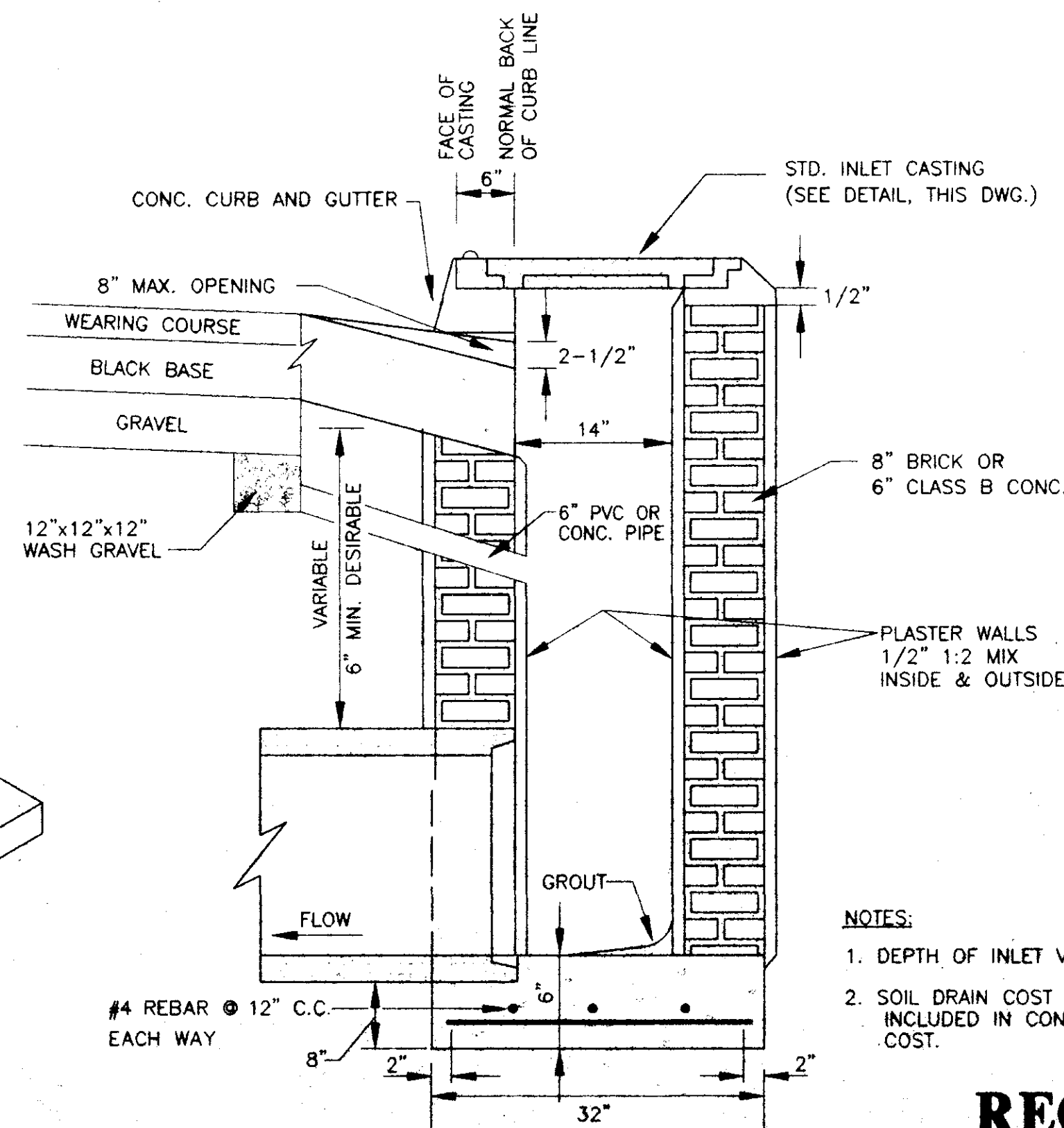
SECTION OF PRECAST CONCRETE MANHOLE
 N.T.S.



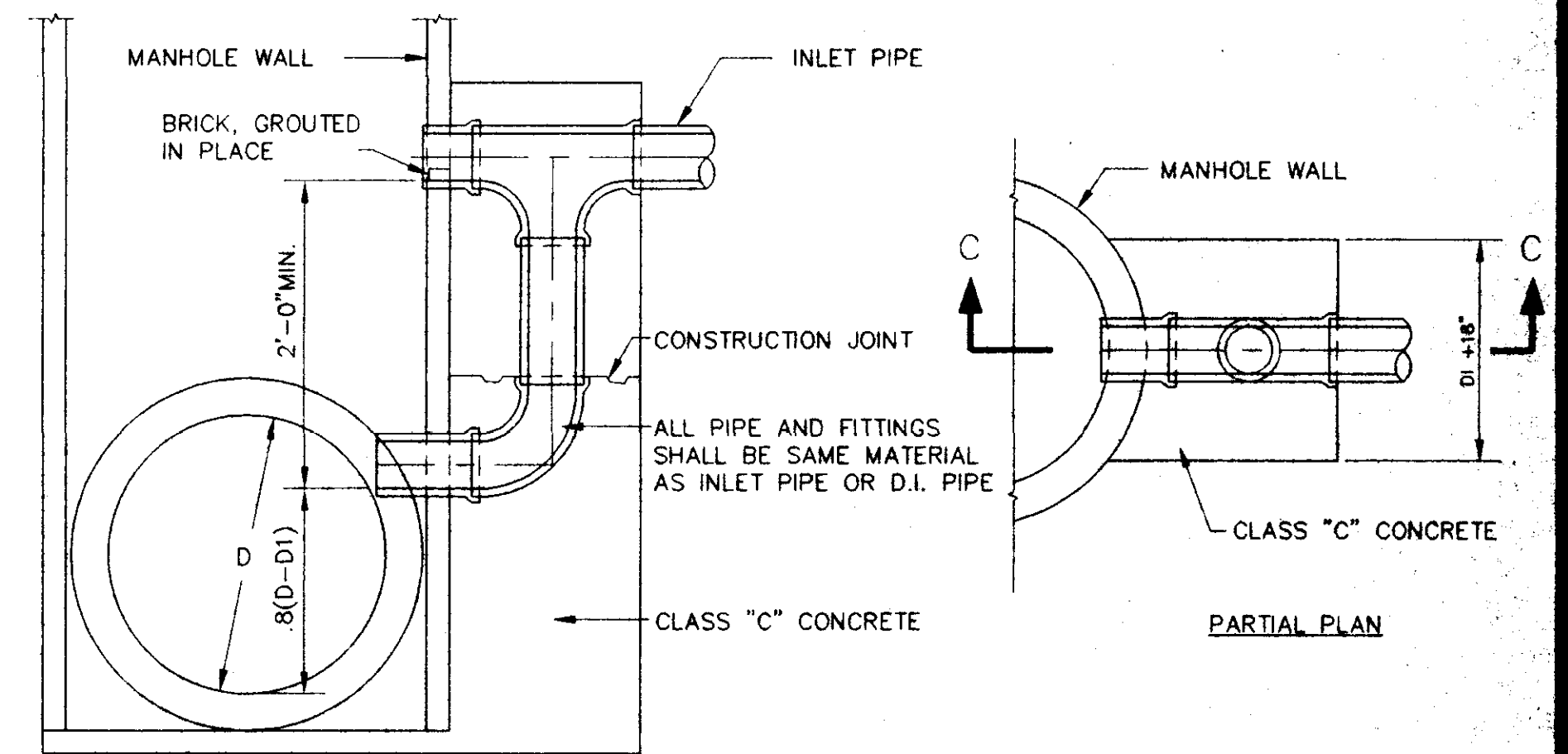
SERVICE LINE MARKER
 NOT TO SCALE



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



SECTION OF STANDARD CURB INLET



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

**WENDOVER, PART 2B
 A DEVELOPMENT OF
 SHADOWOOD PARTNERS**

**STANDARD
 SEWER DETAILS**

**CITY OF RIDGELAND
 MADISON COUNTY, MISSISSIPPI**

RECORD DRAWING
 BY: *R. Wain* DATE: 9/30/97

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

INSPECTED PROFESSIONAL SEAL OF MISSISSIPPI

DATE: 9/22/97
 DRAWN: RPB
 CHECKED: R.G.V.
 SCALE: AS SHOWN

11 - 11

WENDOVER, PART 2B, 14.03.23.1997, Paul H. Milling, Inc. - Sterling Consultants, Inc.