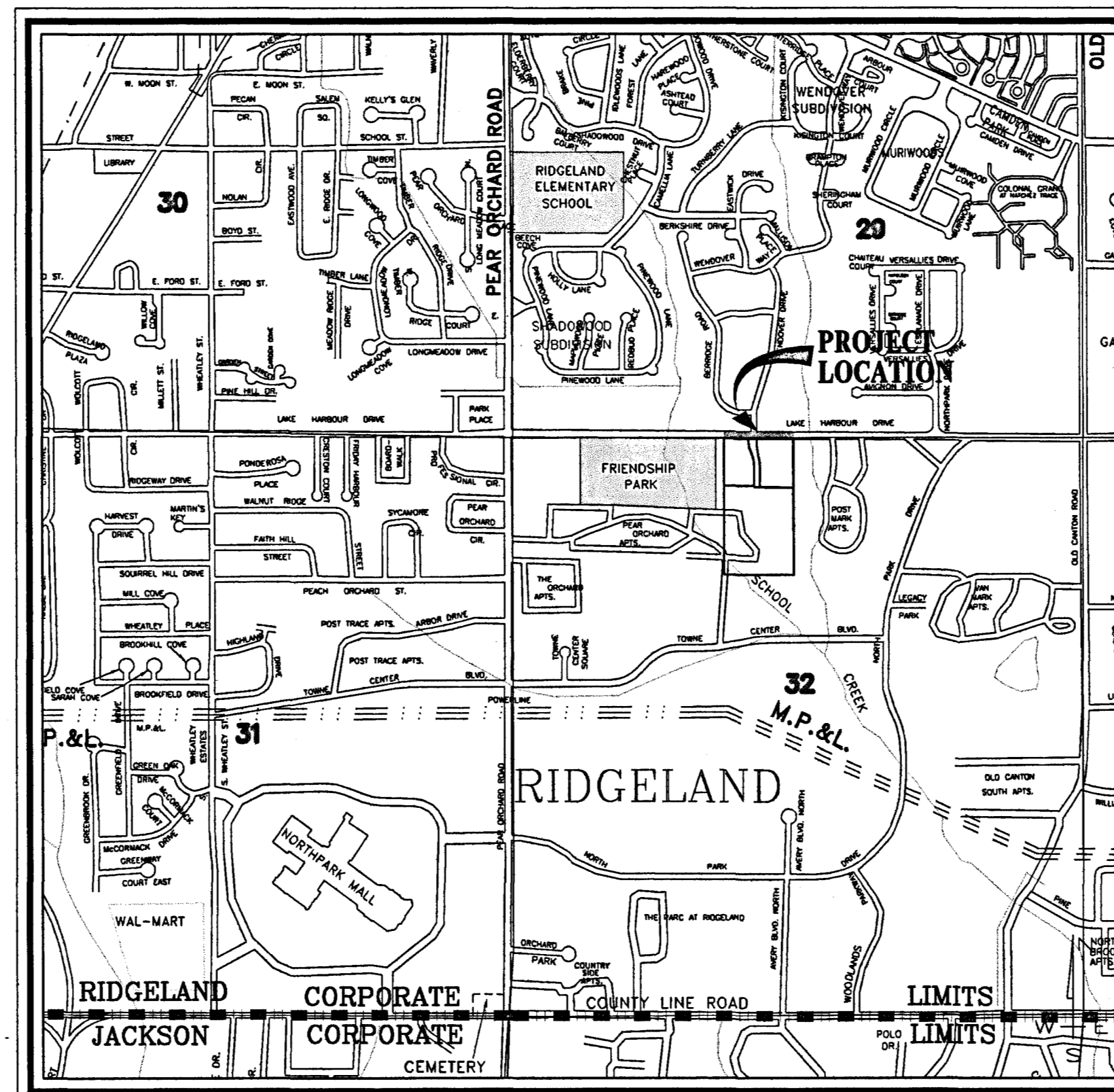
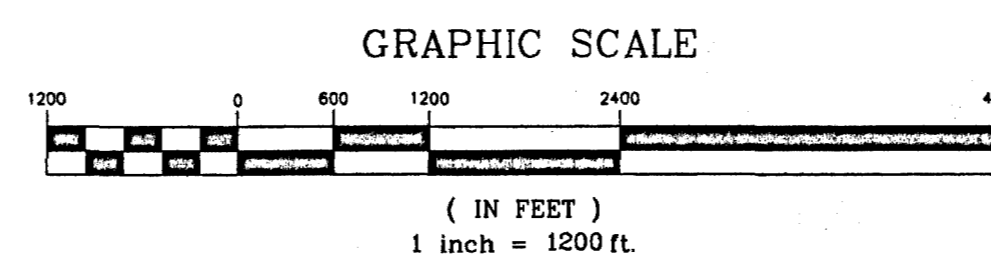


**CONSTRUCTION PLANS**  
**FOR**  
**ROADWAY IMPROVEMENTS AND**  
**SIGNALIZATION OF THE INTERSECTION OF**  
**LAKE HARBOUR DRIVE AND WENDOVER DRIVE**  
**A SPECIAL IMPROVEMENTS PROJECT OF THE**  
**CITY OF RIDGELAND**  
**MADISON COUNTY, MISSISSIPPI**



**VICINITY MAP**



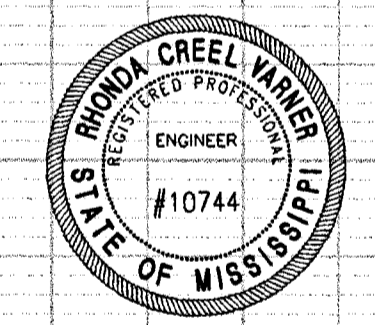
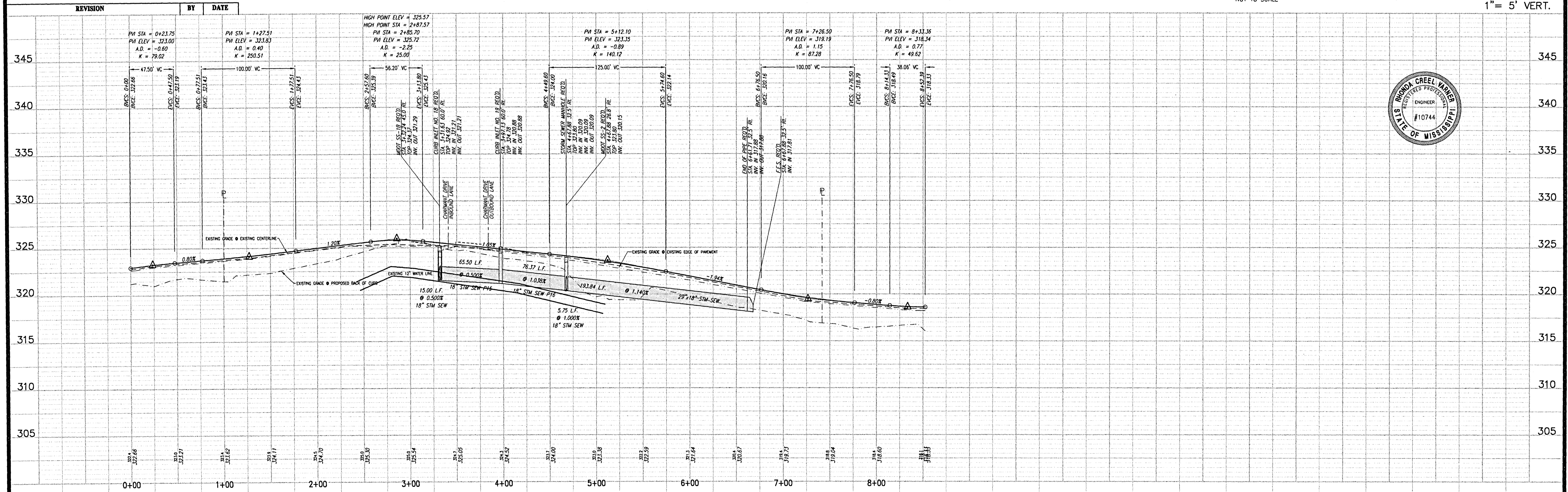
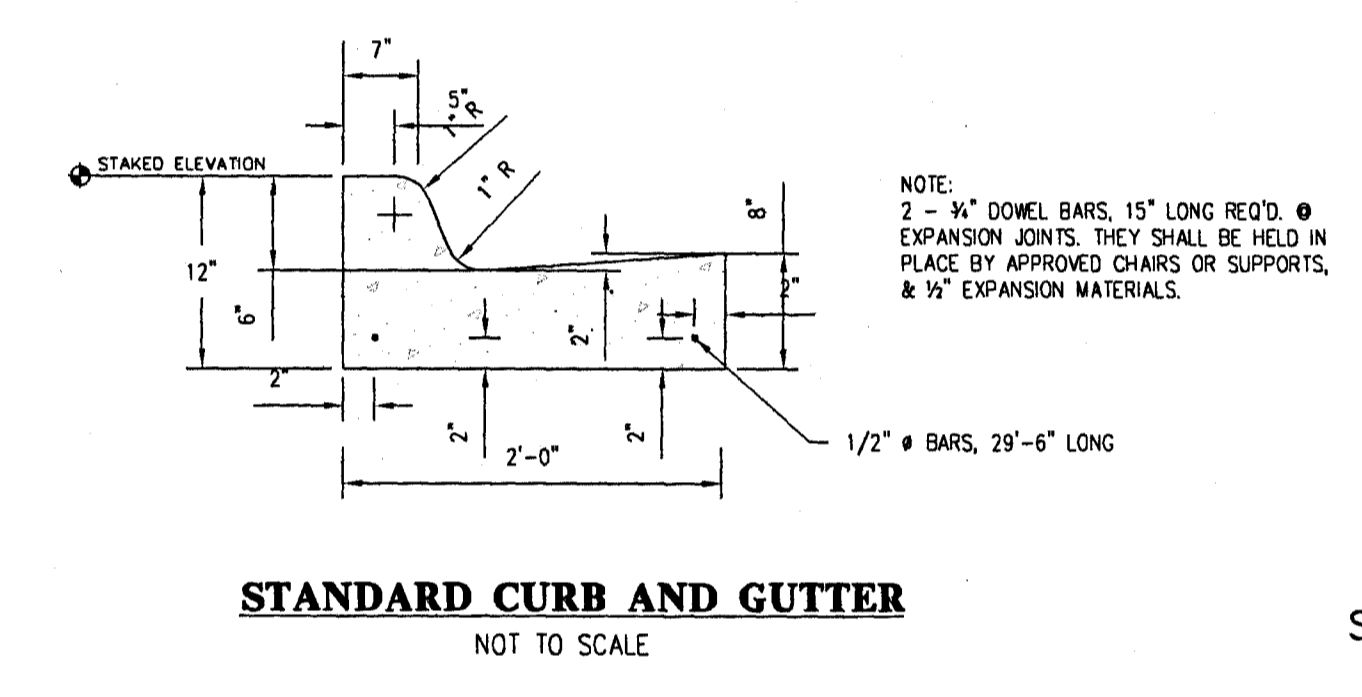
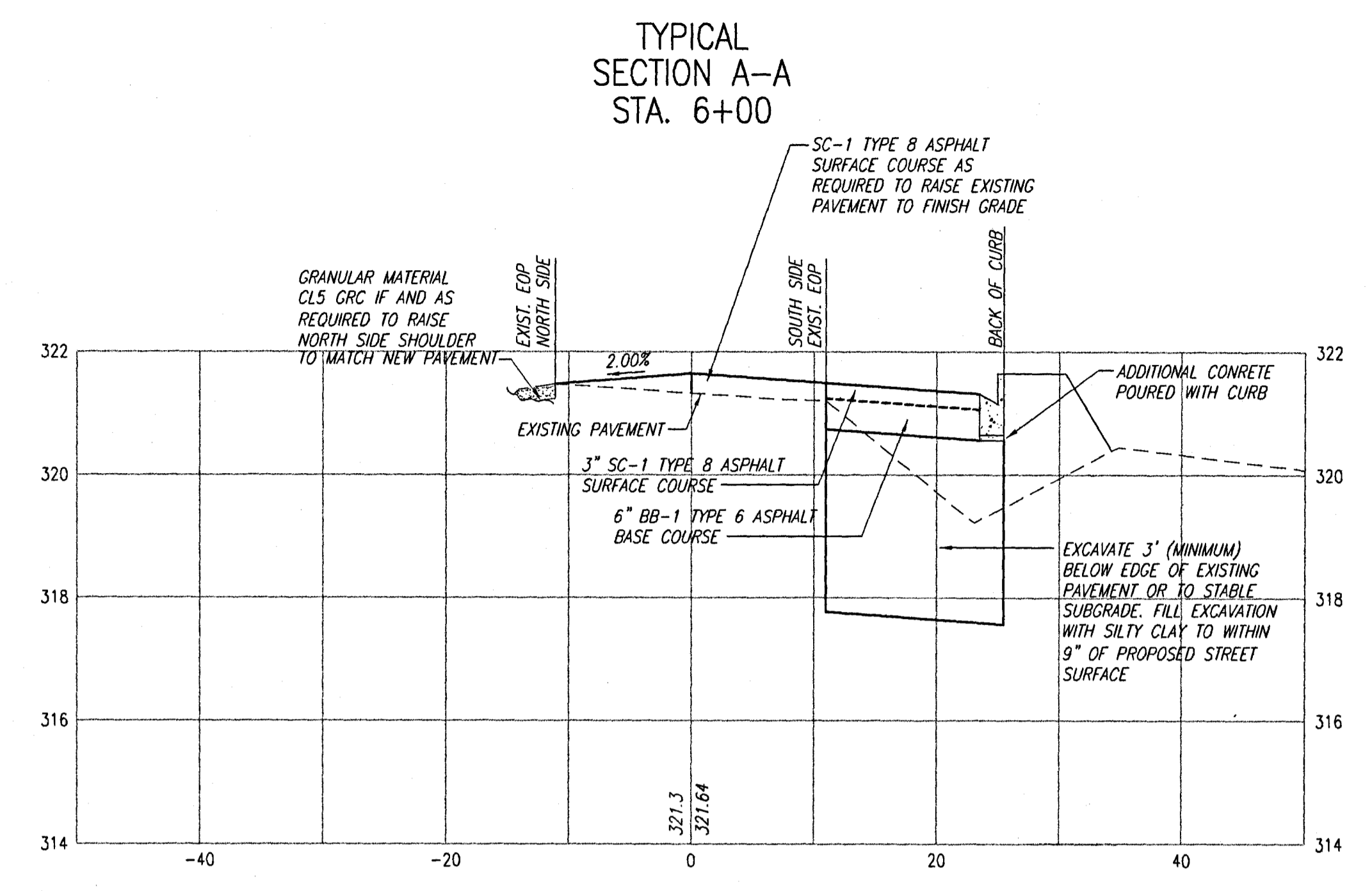
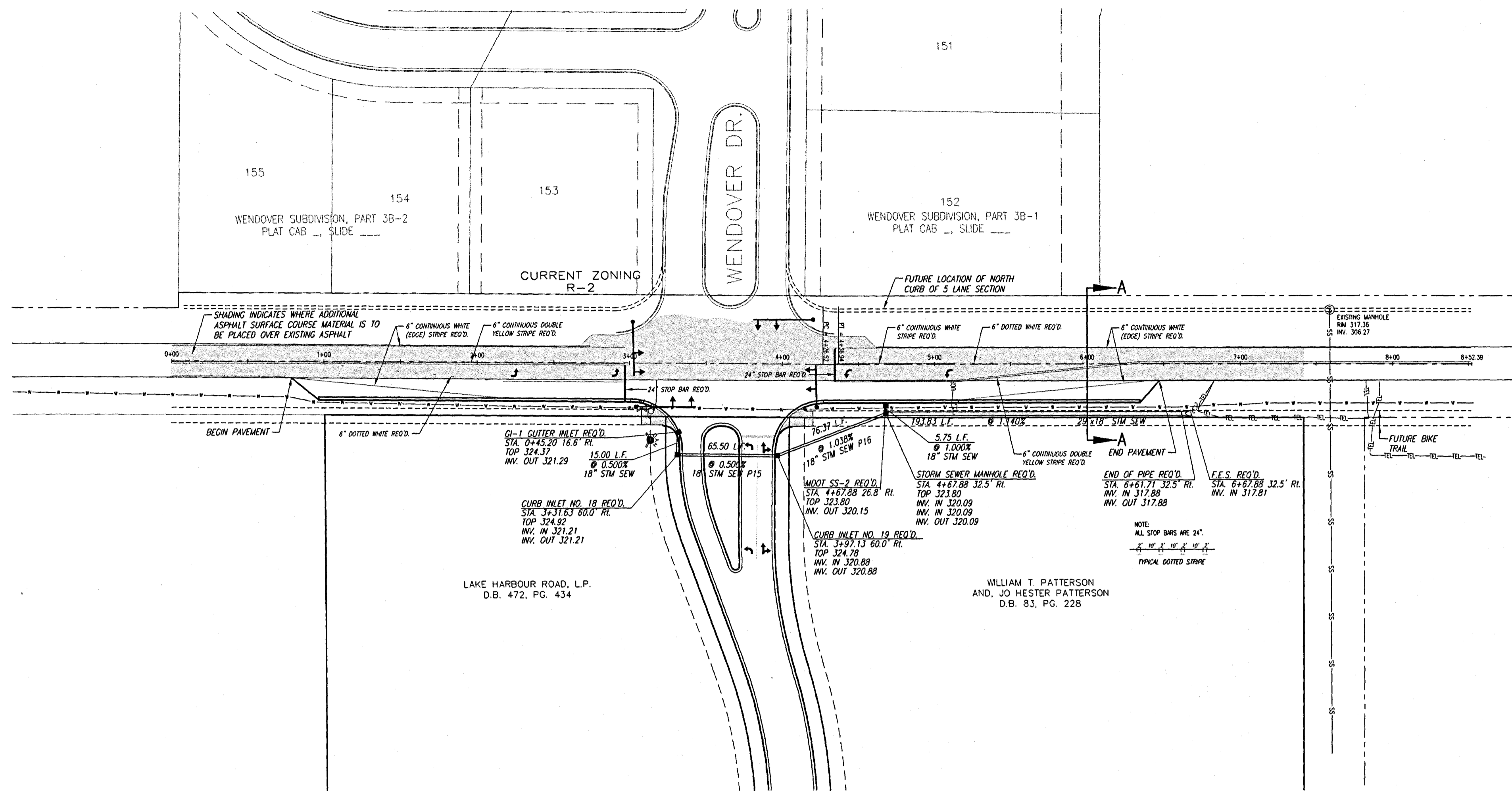
**FOR THE BENEFIT OF**  
**LAKE HARBOUR ROAD, L.P.**  
**VILLAGE CHARMANT CONDOMINIUM**  
**WENDOVER HOMEOWNERS ASSOCIATION**

*Prepared By:*

**STERLING**  
*Consultants*  
 INCORPORATED  
 CONSULTING ENGINEERS



PW P-01217



ROADWAY IMPROVEMENTS OF SIGNALIZATION OF THE INTERSECTION OF LAKE HARBOUR DRIVE AND WENDOOVER DRIVE

PLAN AND PROFILE - LAKE HARBOUR DRIVE STA. 0+00 - STA. 8+52.39

Prepared For: CITY OF RIDGELAND MADISON COUNTY, MISSISSIPPI

Designed By: RCV DATE: 06/12/07  
 Drawn By: RDP DATE: 06/12/07  
 Checked By: RCV DATE: 06/12/07  
 Scale: 1"=50' HORIZ. 1"=5' VERT.

Drawing No. 3 of 6

## 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.

## GENERAL NOTES

### STREET

1. STREET SUB GRADE AREAS WHERE EXPANSIVE CLAYS (CH) ARE ENCOUNTERED WITHIN 3' 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.
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) 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 3) 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. MINIMUM SLOPE: 9" PER 100'
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

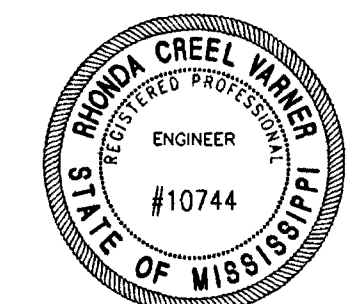
1. ALL STORM DRAINAGE PIPE AND INLETS SHALL BE FLUSHED AND CLEARED OF ANY CONSTRUCTION MATERIALS AND/OR SEDIMENT UPON PROJECT COMPLETION.
2. THE CONSTRUCTION EXIT SHALL BE MAINTAINED SUCH THAT ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS MUST BE REMOVED IMMEDIATELY.
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 THE CONSTRUCTION SITE.

## INDEX TO DRAWINGS

- 1 COVER SHEET
- 2 GENERAL NOTES AND INDEX TO DRAWINGS
- 3 PLAN AND PROFILE - LAKE HARBOUR DRIVE STA. 0+00 - STA. 8+52.39
- 4 TRAFFIC SIGNAL PLAN
- 5 TRAFFIC SIGNAL PLAN
- 6 STANDARD STORM SEWER DETAILS

## LEGEND

—————	PROPERTY LINE
—————	LOT LINE
-----	RIGHT OF WAY LINE
-----	EASEMENT
.....	SETBACK LINE
-----	CENTER LINE
—————	EDGE OF PAVEMENT
—————	BACK OF CURB
=====	PROPOSED STORM SEWER & CATCH BASIN
-----	SANITARY SEWER
-----	WATER LINE
⊕	PROPOSED WATER VALVE
⊗	PROPOSED FIRE HYDRANT
⊕	EXISTING UTILITY POLE



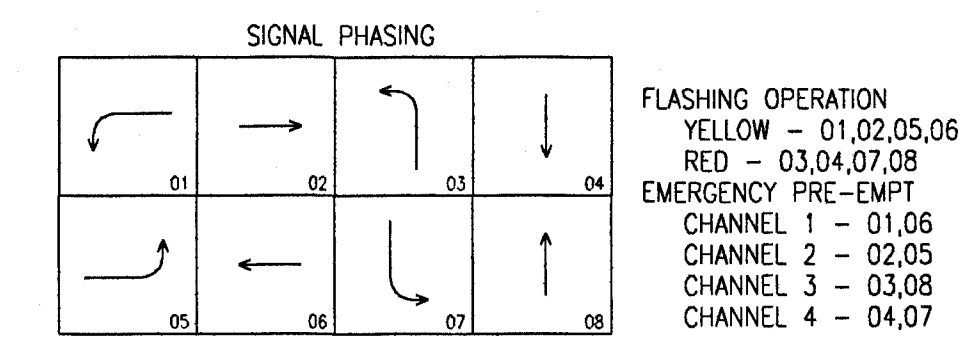
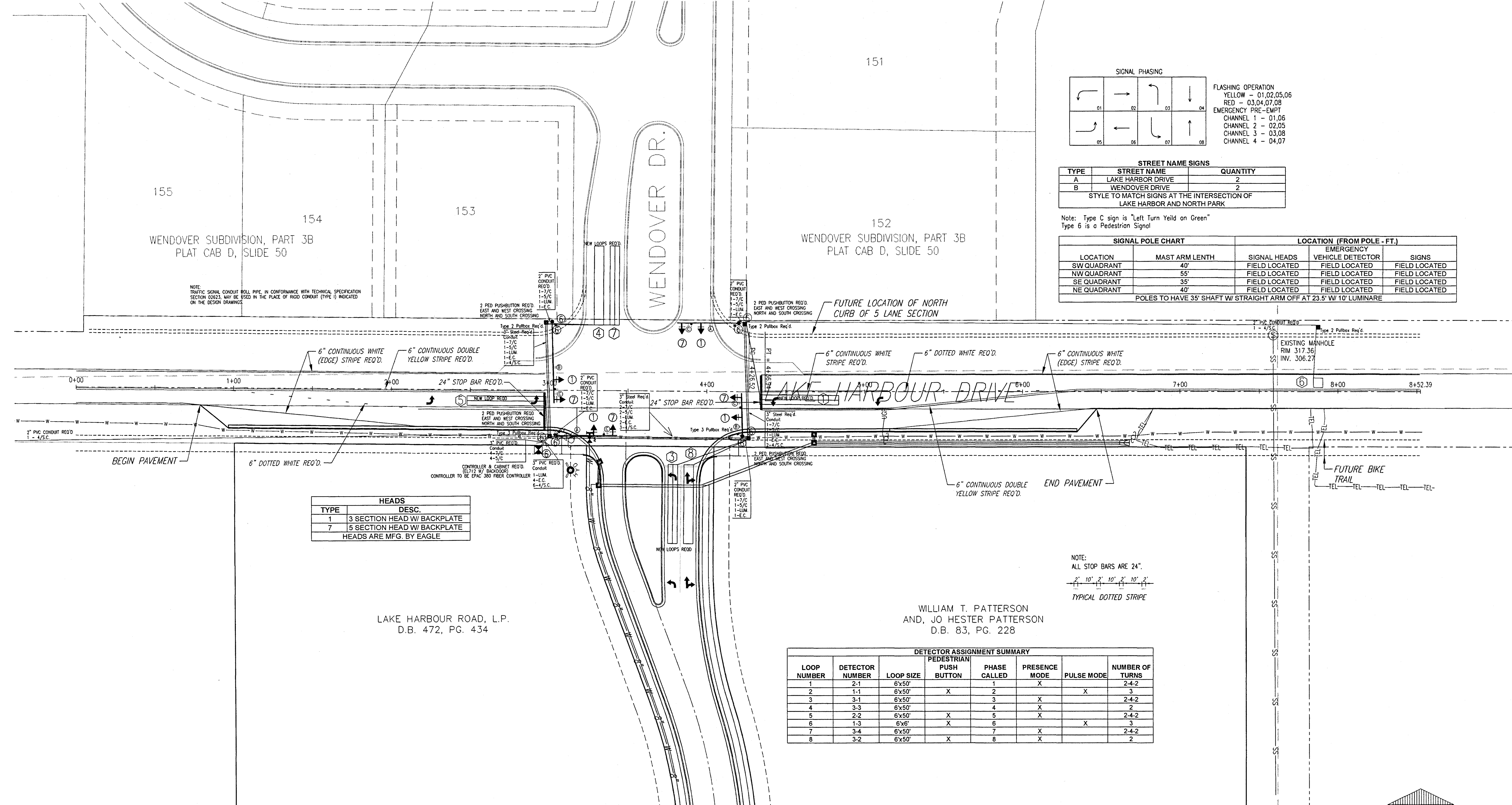
ROADWAY IMPROVEMENTS OF SIGNALIZATION  
OF THE INTERSECTION OF  
LAKE HARBOUR DRIVE AND WENDOVER DRIVE

GENERAL NOTES  
AND INDEX TO DRAWINGS

CITY OF RIDGELAND  
MADISON COUNTY, MISSISSIPPI

DSGN: RGV	DATE: 04/23/09	STERLING CONSULTANTS CONSULTING ENGINEERS	DRAWING NO.
DRWN: RDD	DATE: 04/23/09		2 OF 6
CHKD: RGV	DATE: 04/23/09		
SCALE: AS SHOWN			

REVISION BY DATE



**STREET NAME SIGNS**

TYPE	STREET NAME	QUANTITY
A	LAKE HARBOR DRIVE	2
B	WENDOVER DRIVE	2

STYLE TO MATCH SIGNS AT THE INTERSECTION OF LAKE HARBOR AND NORTH PARK

Note: Type C sign is "Left Turn Yield on Green"  
 Type 6 is a Pedestrian Signal

**SIGNAL POLE CHART**

LOCATION	MAST ARM LENTH	SIGNAL HEADS	EMERGENCY VEHICLE DETECTOR	SIGNS
SW QUADRANT	40'	FIELD LOCATED	FIELD LOCATED	FIELD LOCATED
NW QUADRANT	55'	FIELD LOCATED	FIELD LOCATED	FIELD LOCATED
SE QUADRANT	35'	FIELD LOCATED	FIELD LOCATED	FIELD LOCATED
NE QUADRANT	40'	FIELD LOCATED	FIELD LOCATED	FIELD LOCATED

POLES TO HAVE 35' SHAFT W/ STRAIGHT ARM OFF AT 23.5' W/ 10' LUMINARE

**HEADS**

TYPE	DESC.
1	3 SECTION HEAD W/ BACKPLATE
6	SECTION HEAD W/ BACKPLATE
7	SECTION HEAD W/ BACKPLATE

HEADS ARE MFG. BY EAGLE

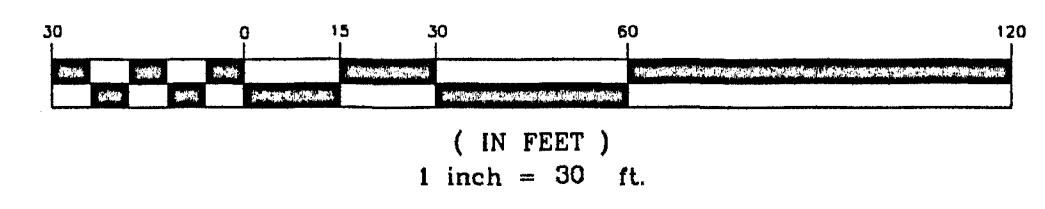
NOTE:  
 ALL STOP BARS ARE 24"  
  
 TYPICAL DOTTED STRIPE

LAKE HARBOUR ROAD, L.P.  
 D.B. 472, PG. 434

WILLIAM T. PATTERSON  
 AND, JO HESTER PATTERSON  
 D.B. 83, PG. 228

**DETECTOR ASSIGNMENT SUMMARY**

LOOP NUMBER	DETECTOR NUMBER	LOOP SIZE	PEDESTRIAN PUSH BUTTON	PHASE CALLED	PRESENCE MODE	PULSE MODE	NUMBER OF TURNS
1	2-1	6x50'		1	X		2-4-2
2	1-1	6x50'	X	2		X	3
3	3-1	6x50'		3	X		2-4-2
4	3-3	6x50'		4	X		2
5	2-2	6x50'	X	5	X		2-4-2
6	1-3	6x6'	X	6		X	3
7	3-4	6x50'		7	X		2-4-2
8	3-2	6x50'	X	8	X		2



**ROADWAY IMPROVEMENTS OF SIGNALIZATION OF THE INTERSECTION OF LAKE HARBOUR DRIVE AND WENDOVER DRIVE**

**TRAFFIC SIGNAL PLAN**

**CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI**

DSGN: RGV	DATE: 01/09/09	STERLING CONSULTANTS INCORPORATED CONSULTING ENGINEERS	DRAWING NO.
DRWN: OPD	DATE: 01/09/09		4 OF 5
CHEK: RGV	DATE: 01/09/09		
SCALE: 1"=30'			

REVISION	BY	DATE

HOLE OPENING									
ROUND RCP SIZE	OPENING			ARCH RCP			OPENING		
	HO	OP	CONCRETE PER OPENING (C.Y.)	SIZE	T	HO	OP	CONCRETE PER OPENING (C.Y.)	SIZE
12	20	4	0.017	-	-	-	-	-	-
15	24	4.5	0.032	18x11	2.25	25.5x18.5	1.5	0.015	-
18	24	4	0.045	22x13	2.5	30x21	1.5	0.045	-
21	27.5	3.5	0.060	-	-	35x27	1.5	0.073	-
24	32	4	0.076	28x18	3	38x27	1.5	0.073	-
27	37.5	4.5	0.095	-	-	46x33	1.5	0.108	-
30	37.5	4.5	0.116	36x23	3.5	46x33	1.5	0.108	-

MINIMUM PIPE DEPTH TOP OF COVER TO PIPE INVERT			
ROUND RCP SIZE	DEPTH INCHES	ARCH RCP SIZE	DEPTH INCHES
12	27	-	23.5
15	30.5	18x11	28.5
18	33	22x13	28.5
21	35.5	-	-
24	40	28x18	30.5
27	44.5	-	-
30	46	36x23	35.5

MAXIMUM PIPE SIZE				
INLET OR JUNCTION BOX	ROUND RCP		ARCH RCP	
	IW	IL	IW	IL
2x2	12	18	12	18
2x3	12	24	18	22x13
3x3	24	30	22x13	36x23

CONCRETE QUANTITIES				
INLET OR JUNCTION BOX	BOTTOM		COVER	
	C.Y.	LB/FT	C.Y.	LB/FT
2x2	0.074	0.099	0.123	-
2x3	0.111	0.181	0.201	-
3x3	0.279	0.270	0.266	-

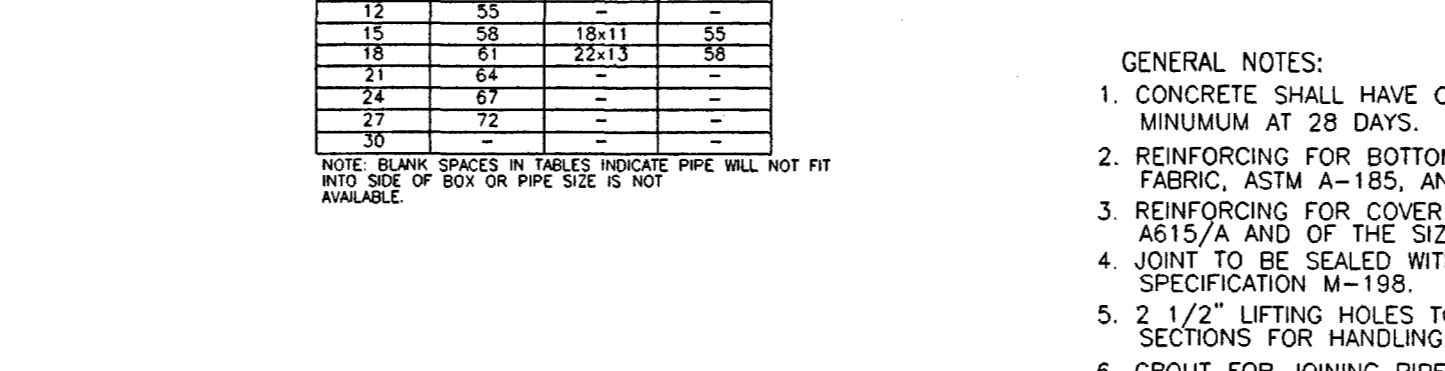
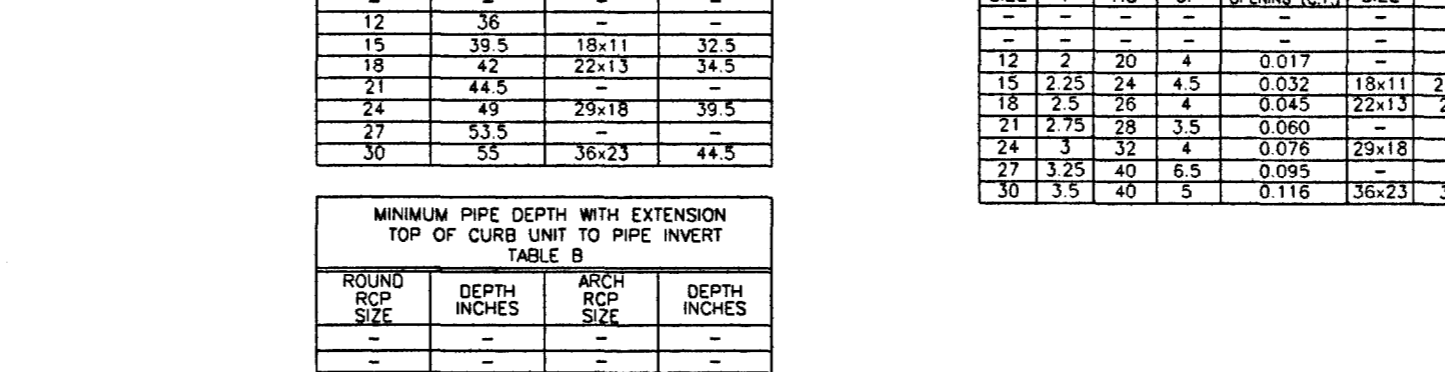
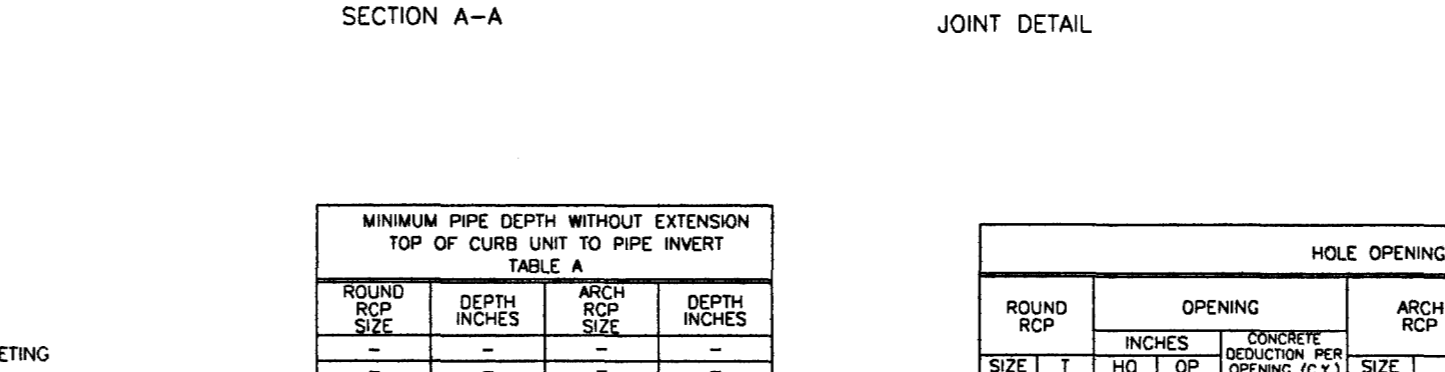
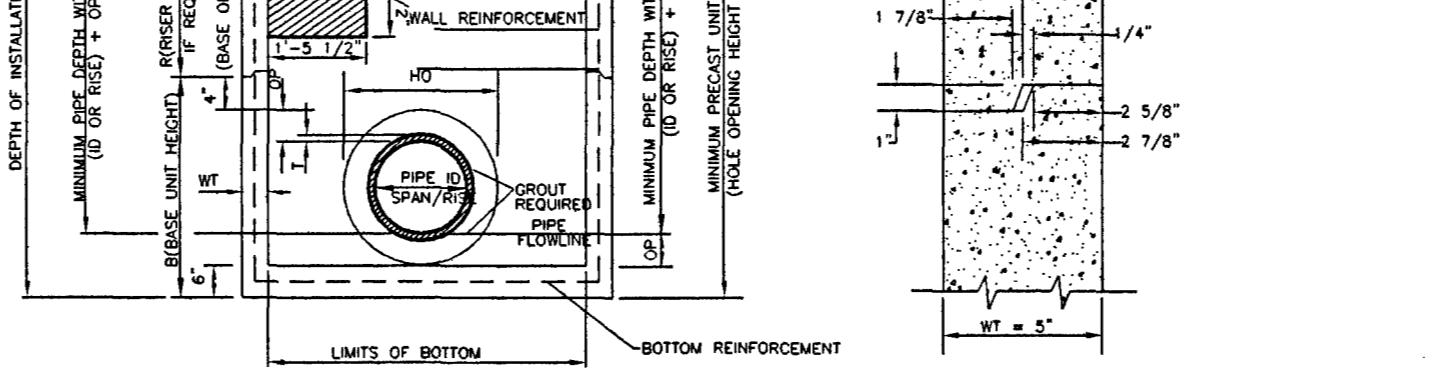
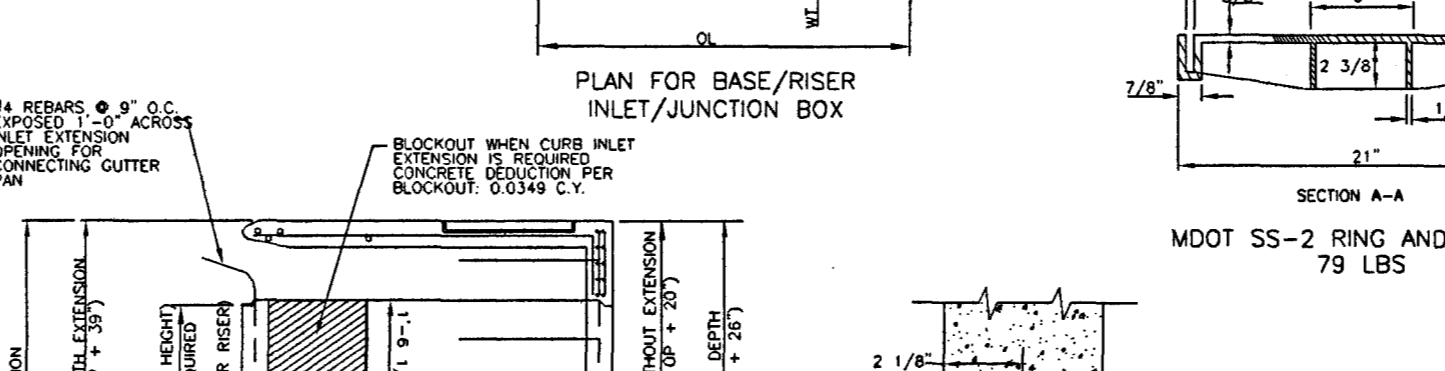
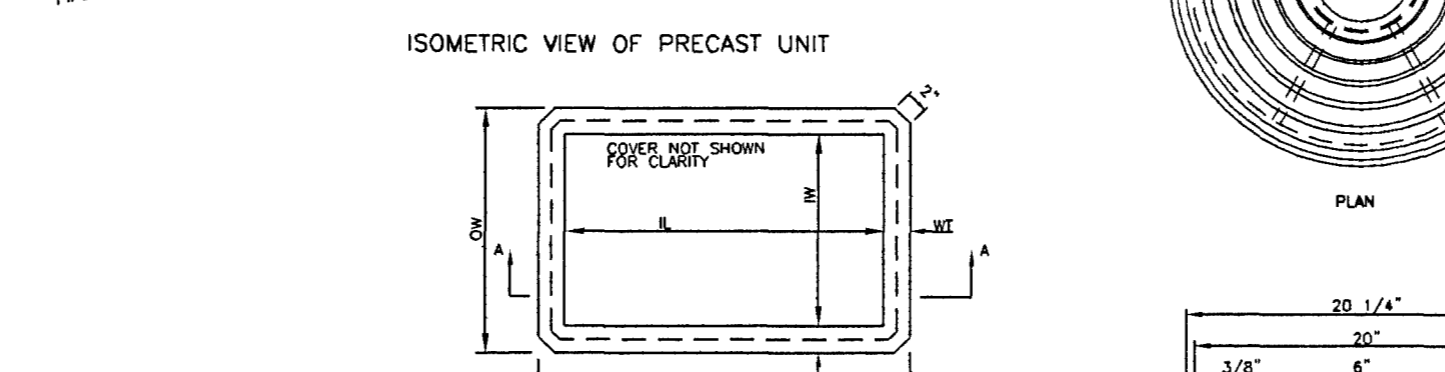
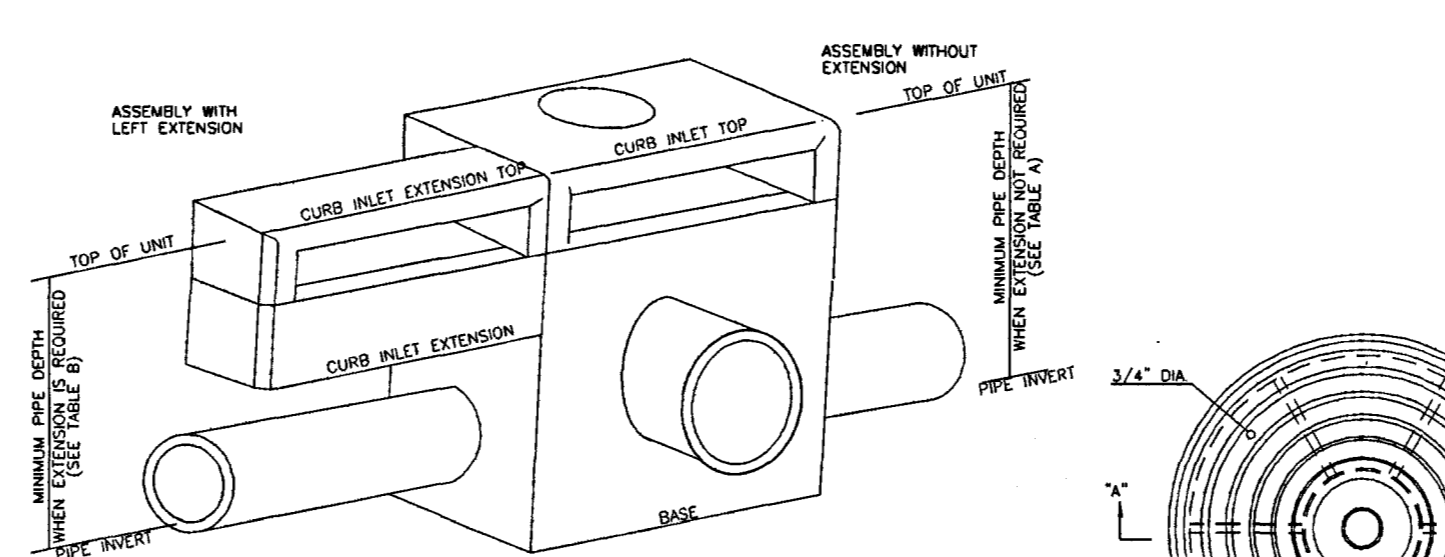
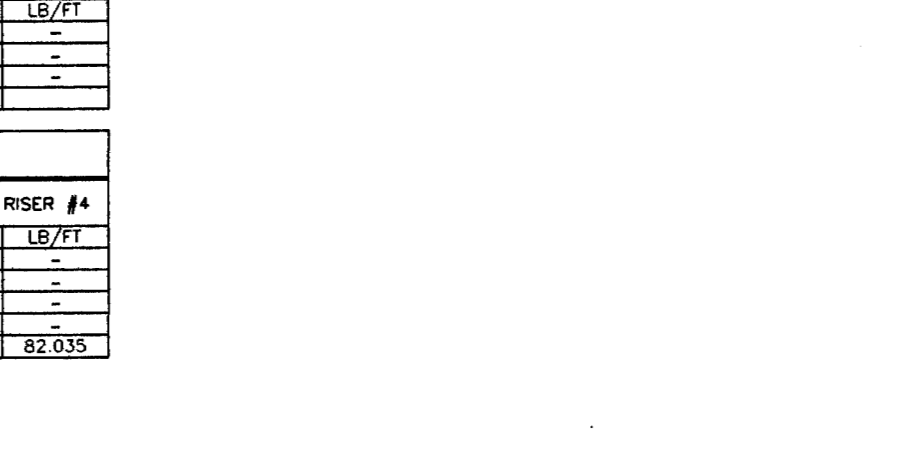
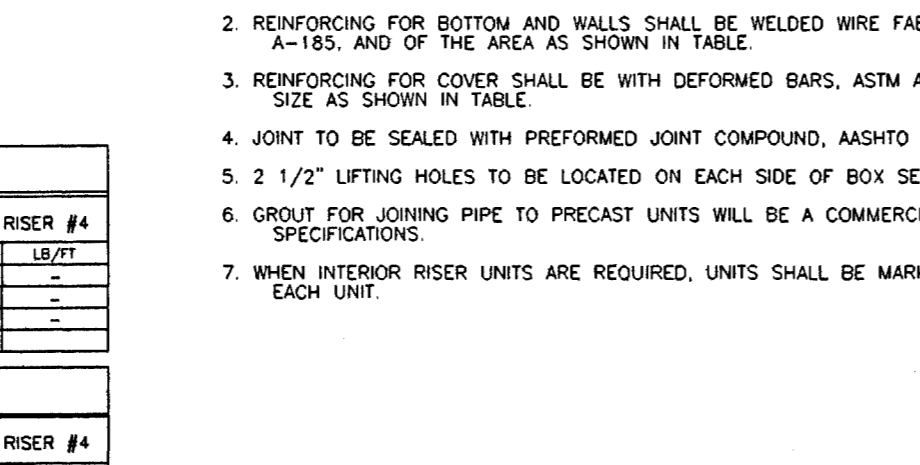
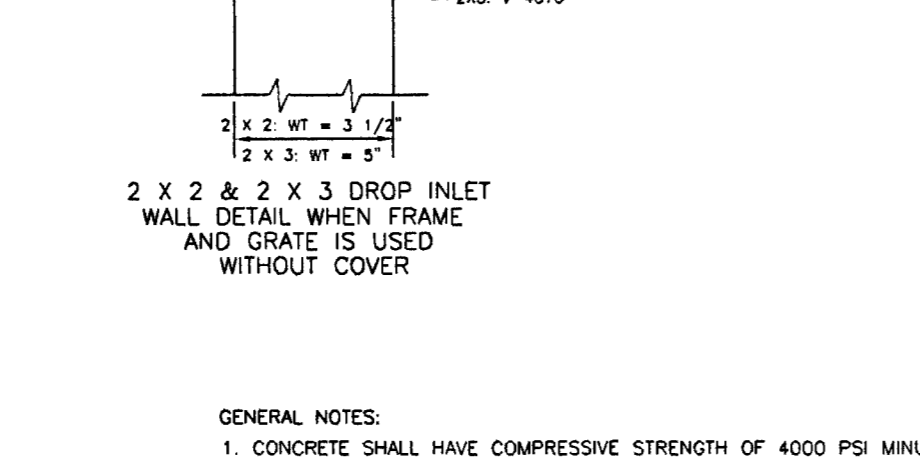
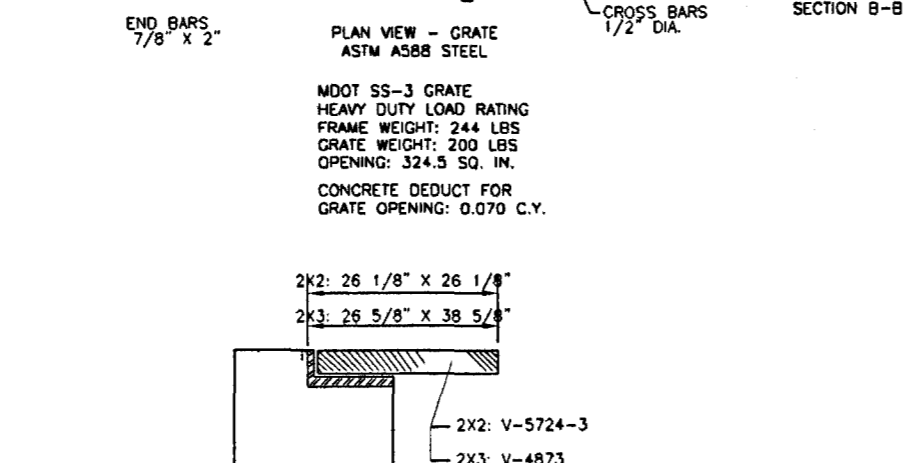
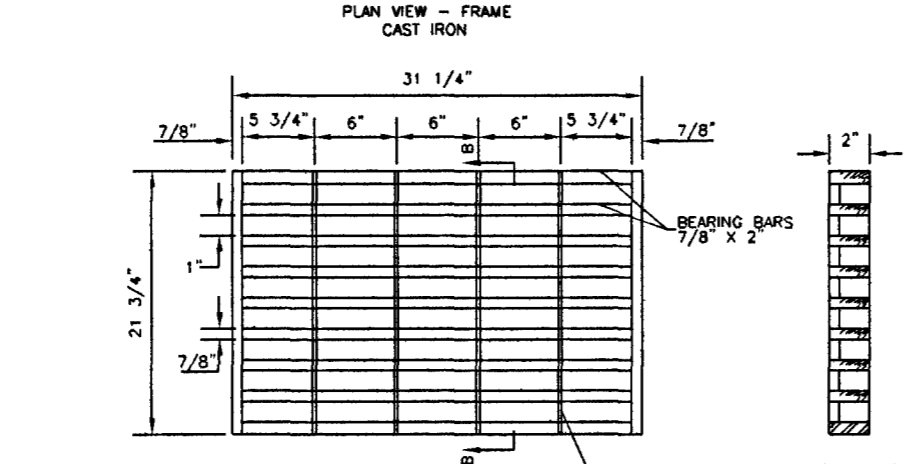
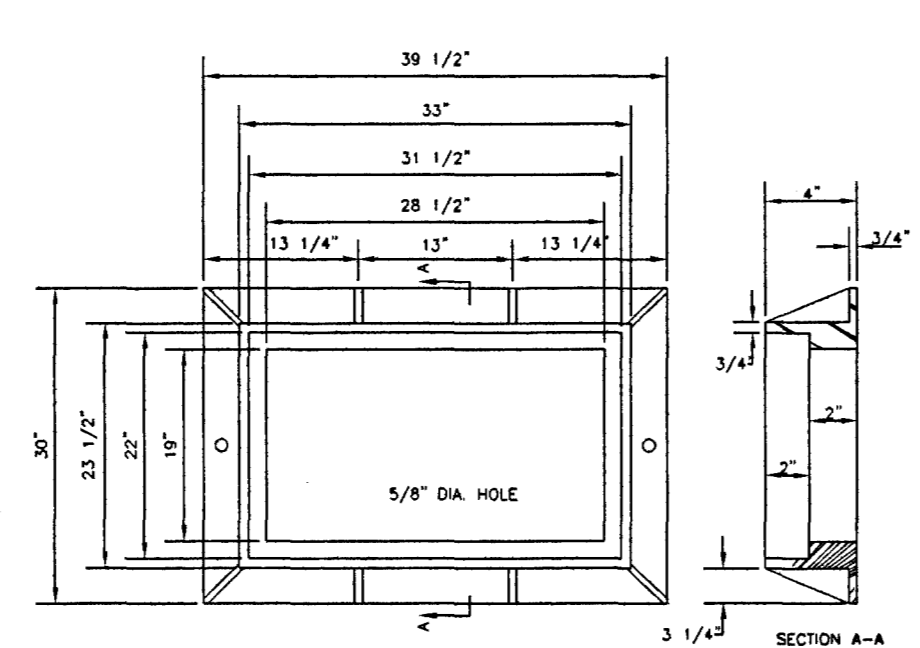
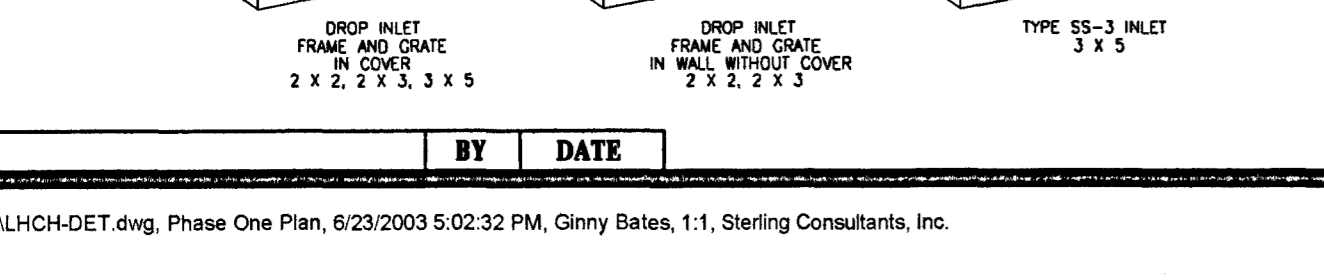
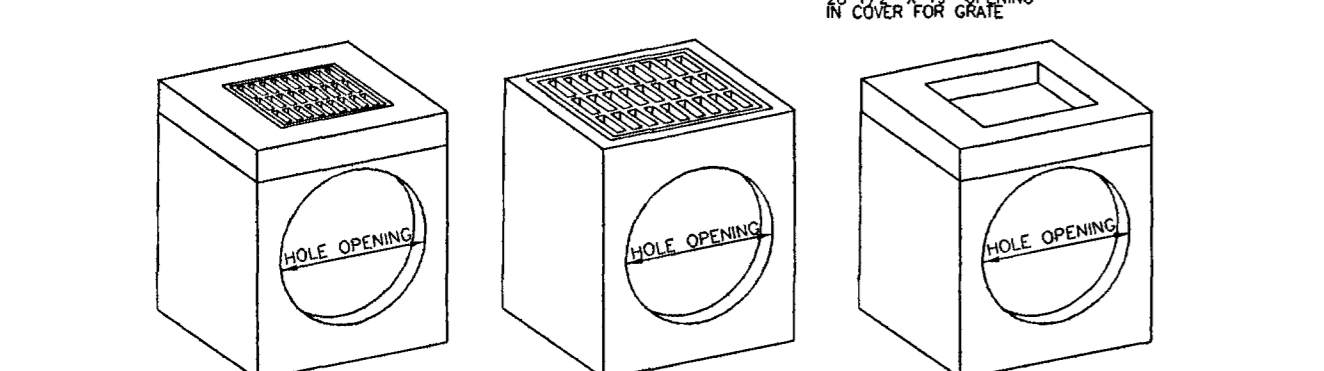
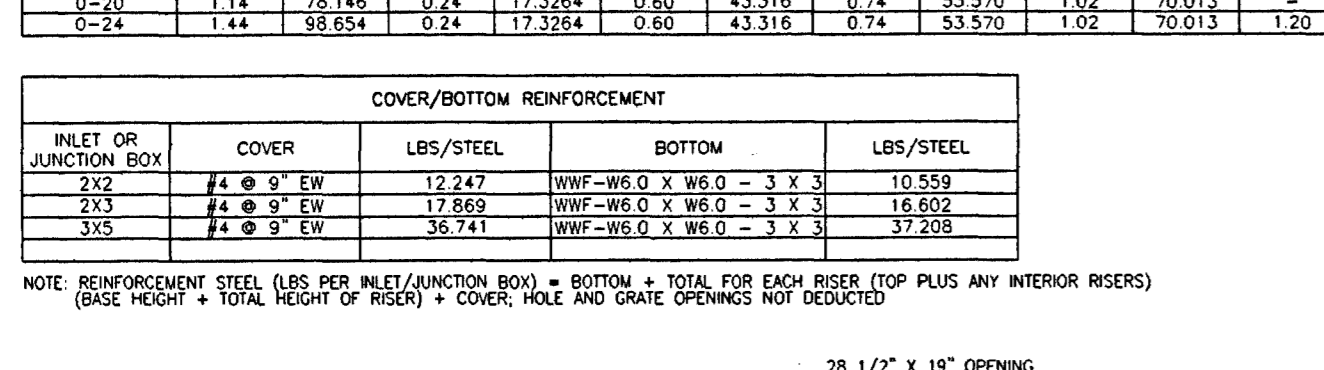
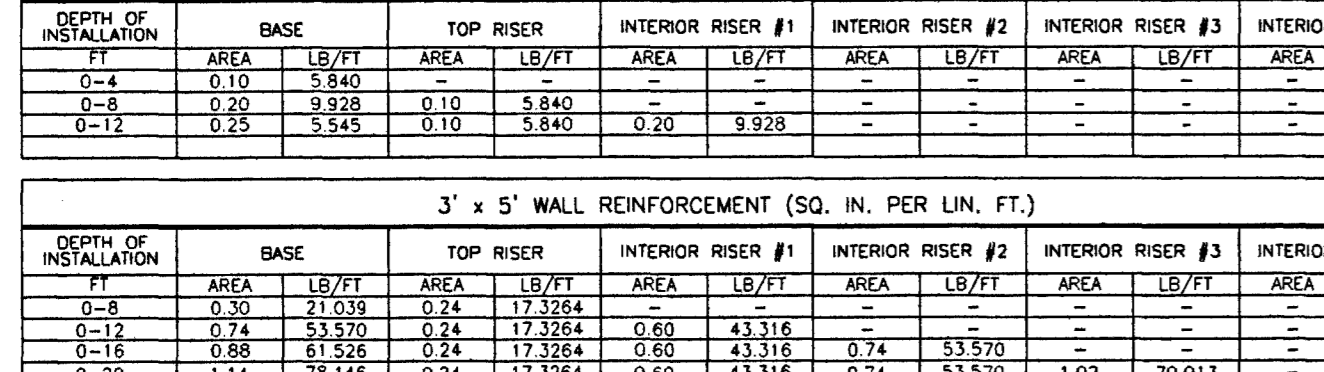
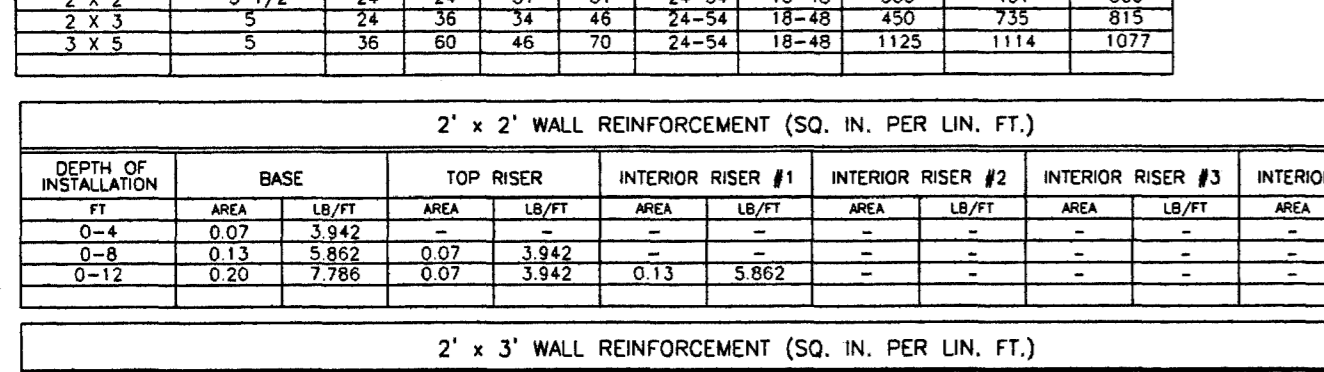
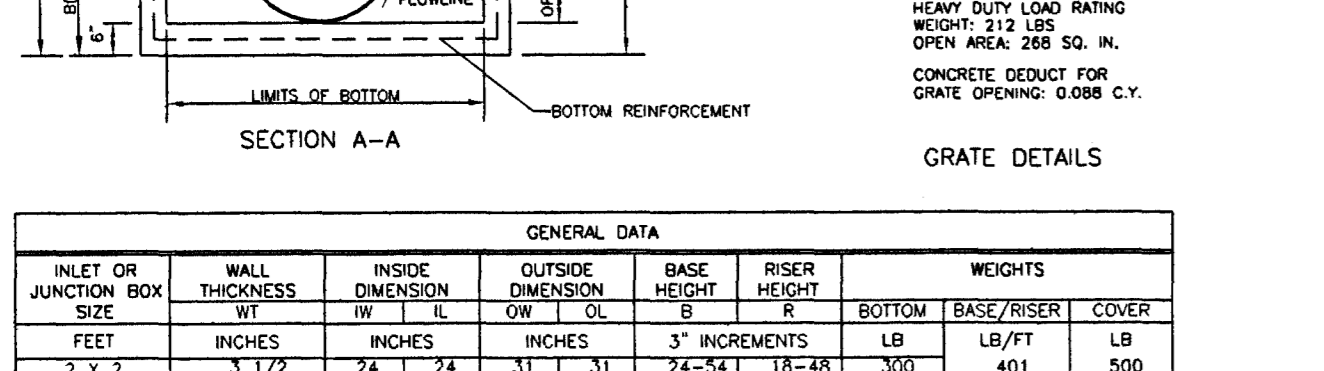
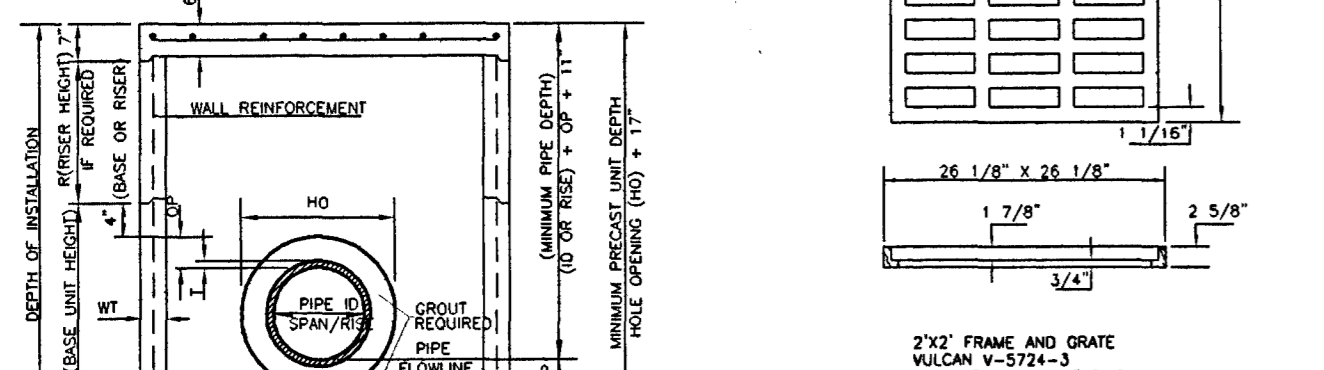
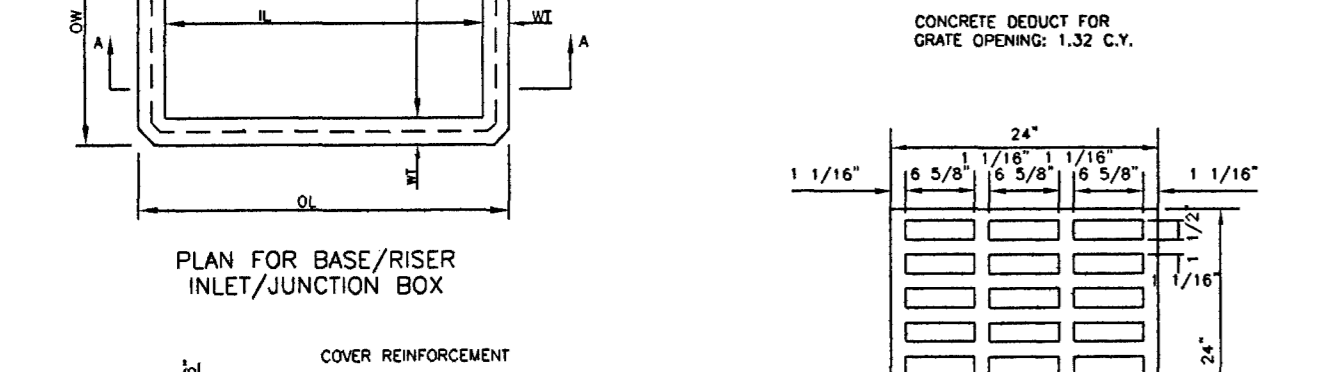
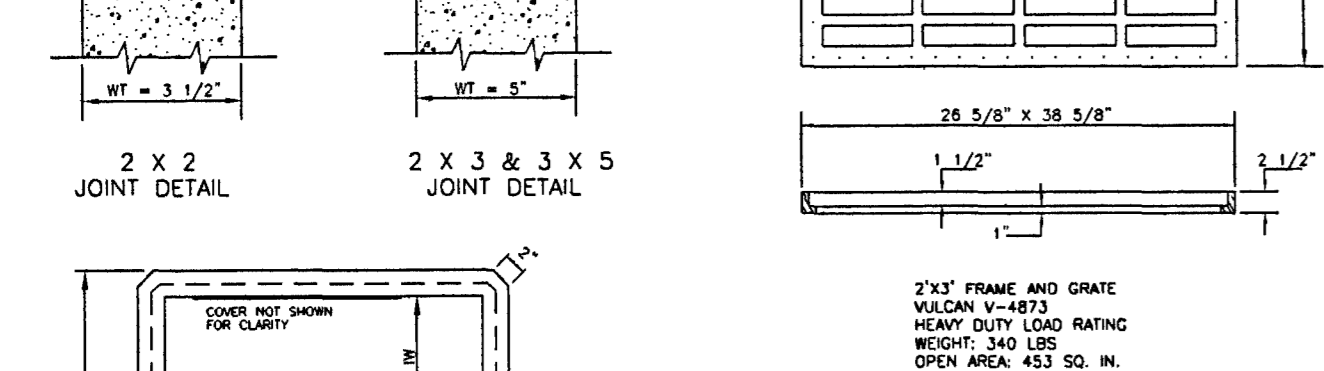
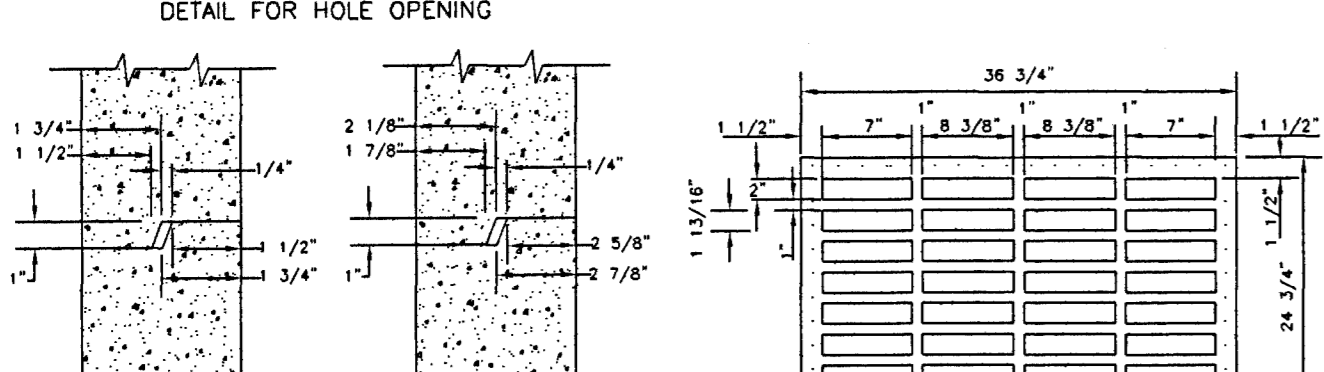
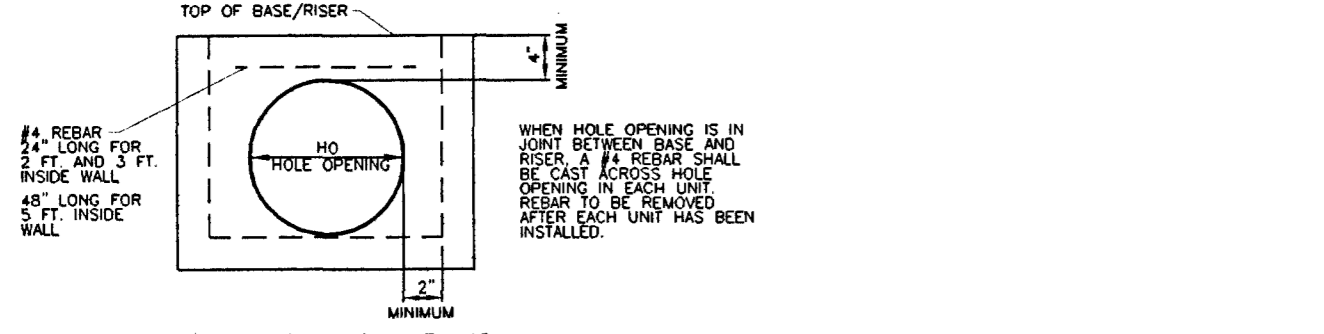
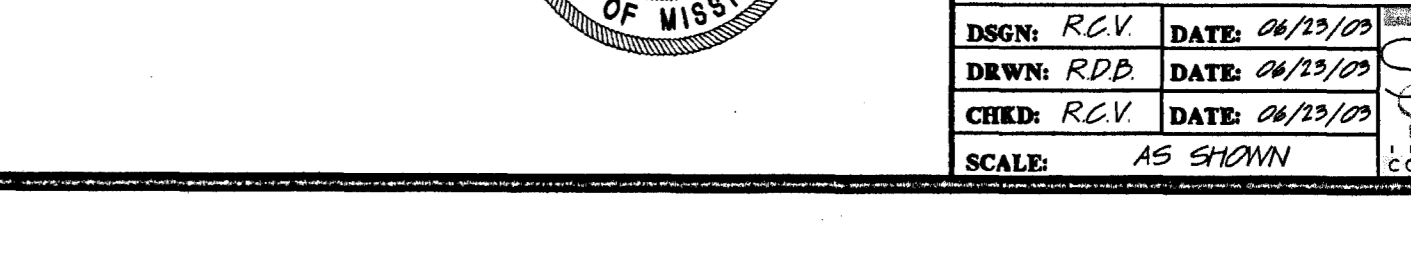
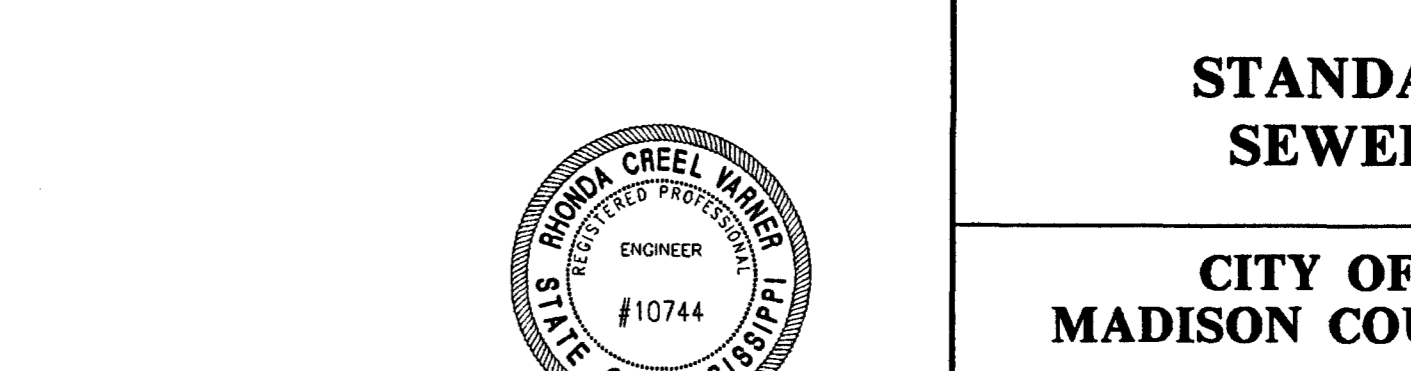
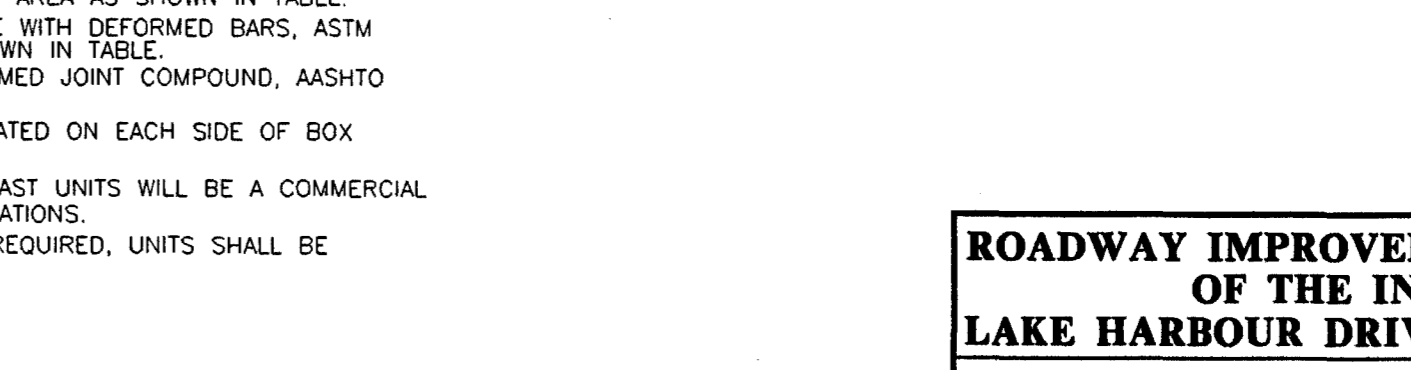
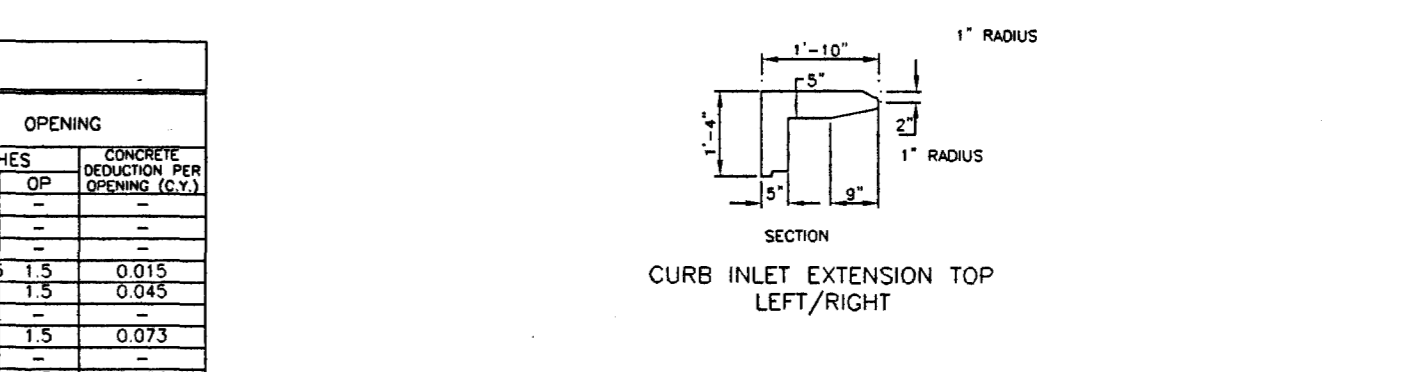
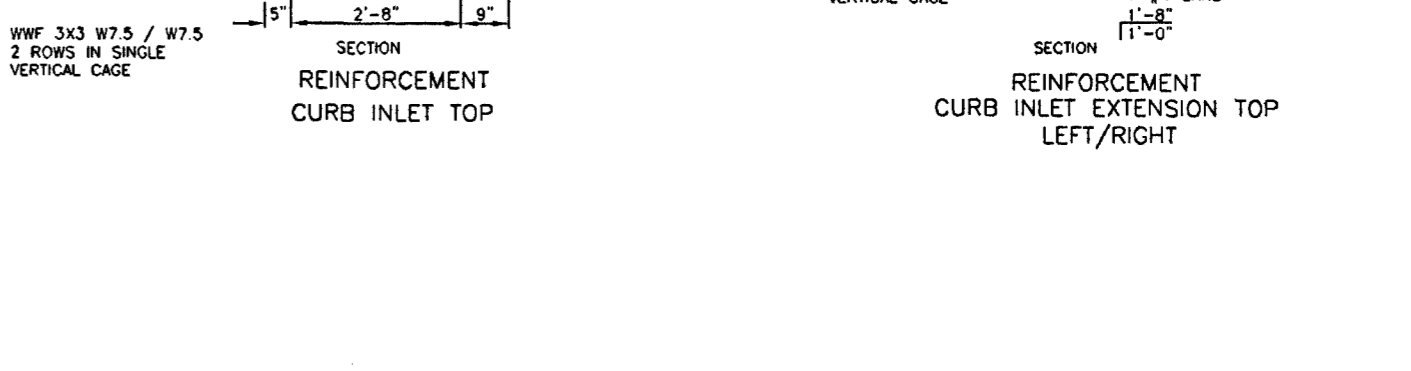
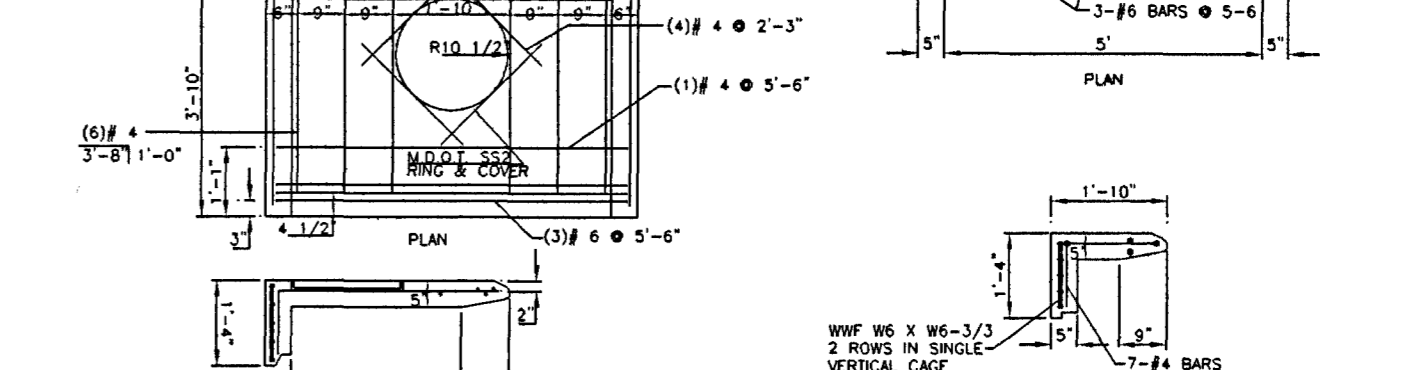
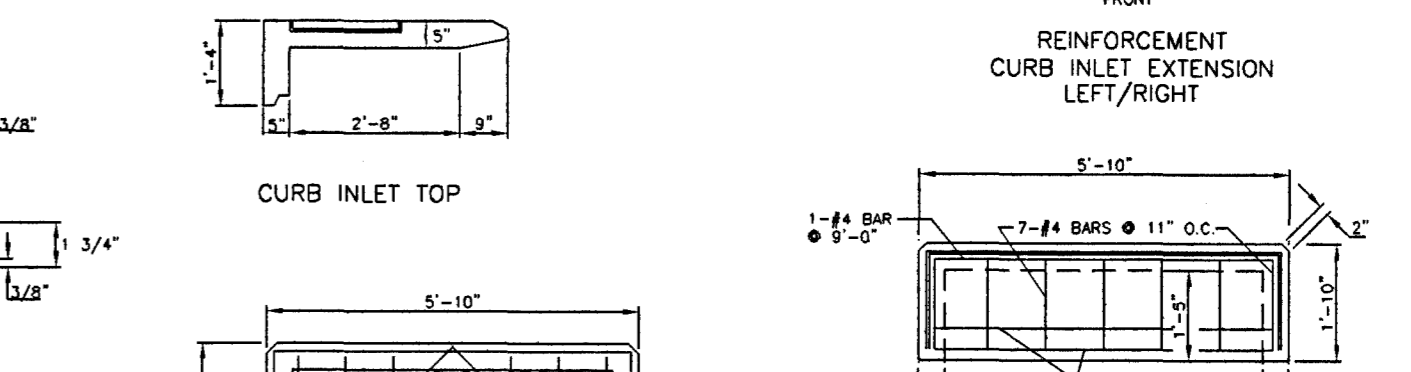
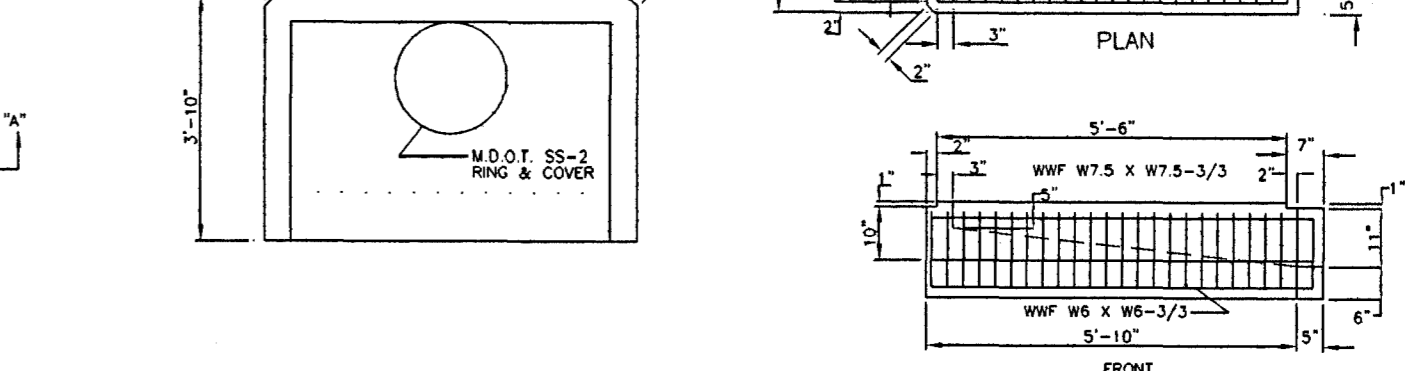
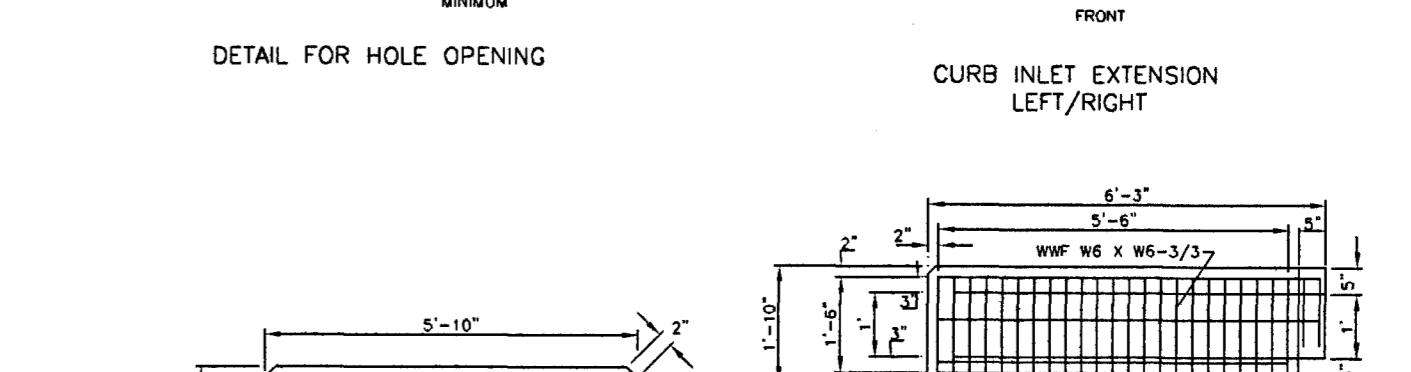
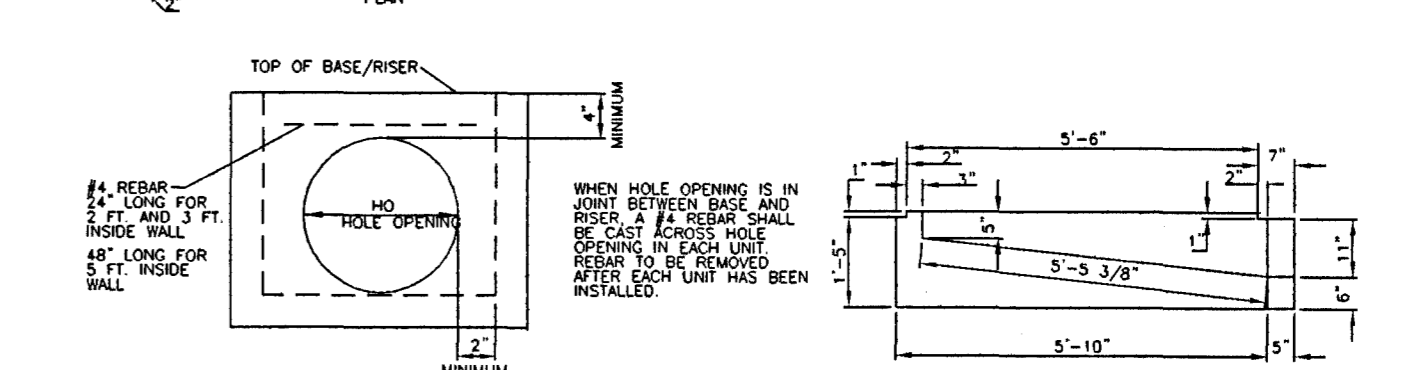
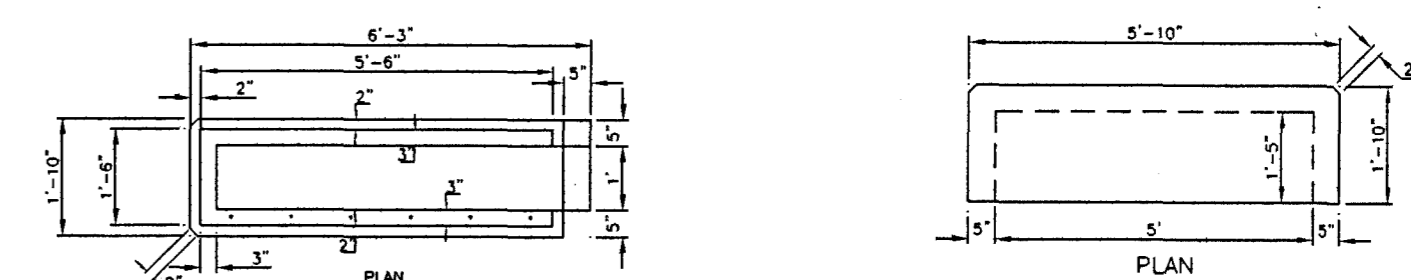
NOTE: CONCRETE CUBIC YARDS PER INLET/JUNCTION BOX = BOTTOM + TOTAL RISER HEIGHT (FT) x C.Y./FT + COVER = GRATE OPENING = ANY HOLE OPENINGS

GENERAL DATA											
SS-2 INLET SIZE	WALL THICKNESS	INSIDE DIMENSION		OUTSIDE DIMENSION		BASE HEIGHT		RISER HEIGHT		WEIGHTS	
		IW	IL	IW	IL	INCREMENTS	LB	LB/FT	LB	LB/FT	
2x2	5	24	24	31	31	24-54	18-48	1125	1114	1850	1865
2x3	5	24	30	31	37	24-54	18-48	1125	1114	1850	1865
3x3	5	36	42	46	50	24-54	18-48	1125	1114	1850	1865

3' x 5' WALL REINFORCEMENT (SQ. IN. PER LIN. FT.)												
DEPTH OF INSTALLATION	BASE		TOP RISER		INTERIOR RISER #1		INTERIOR RISER #2		INTERIOR RISER #3		INTERIOR RISER #4	
	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT
0-8	0.30	38.969	0.24	29.570	-	-	-	-	-	-	-	-
0-12	0.60	78.867	0.24	29.570	0.60	78.867	-	-	-	-	-	-
0-18	0.90	118.765	0.24	29.570	0.60	78.867	0.74	95.338	-	-	-	-
0-20	1.18	159.340	0.24	29.570	0.60	78.867	0.74	95.338	1.06	124.672	-	-
0-24	1.44	176.008	0.24	29.570	0.60	78.867	0.74	95.338	1.06	124.672	1.20	146.673

CONCRETE QUANTITIES				BOTTOM/TOP/EXTENSION REINFORCEMENT				
SS-2 INLET SIZE	BOTTOM		RISER		EXTENSION		COVER	
	C.Y.	LB/FT	C.Y.	LB/FT	C.Y.	LB/FT	C.Y.	LB/FT
2x2	0.074	0.099	0.123	-	-	-	-	-
2x3	0.111	0.181	0.201	-	-	-	-	-
3x3	0.279	0.270	0.266	-	-	-	-	-

NOTE: CONCRETE CUBIC YARDS PER INLET/JUNCTION BOX = BOTTOM + TOTAL RISER HEIGHT (FT) x C.Y./FT + TOP EXTENSION INCLUDES CURB INLET UNIT + TOP + EXTENSIONS = ANY HOLE OPENINGS EXTENSION BLOCKOUT OPENINGS



GENERAL DATA											
INLET OR JUNCTION BOX SIZE	WALL THICKNESS	INSIDE DIMENSION		OUTSIDE DIMENSION		BASE HEIGHT		RISER HEIGHT		WEIGHTS	
		IW	IL	IW	IL	INCREMENTS	LB	LB/FT	LB	LB/FT	
2 x 2	3 1/2	24	24	31	31	24-54	18-48	300	401	500	
2 x 3	5	24	30	34	40	24-54	18-48	450	735	815	
3 x 3	5	36	42	46	50	24-54	18-48	1125	1114	1077	

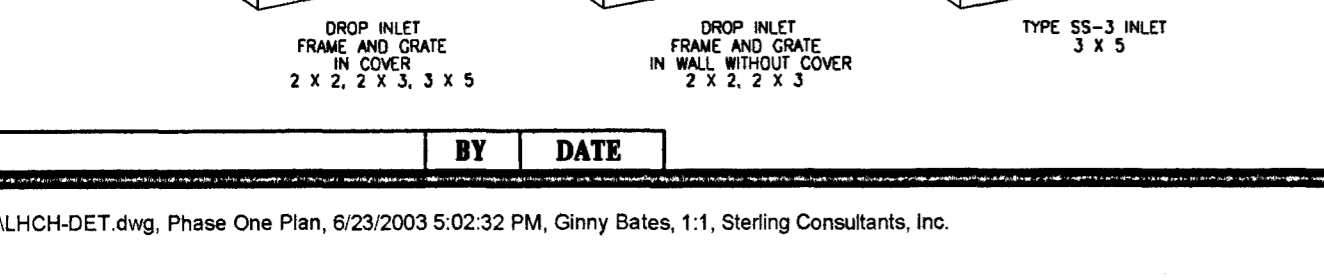
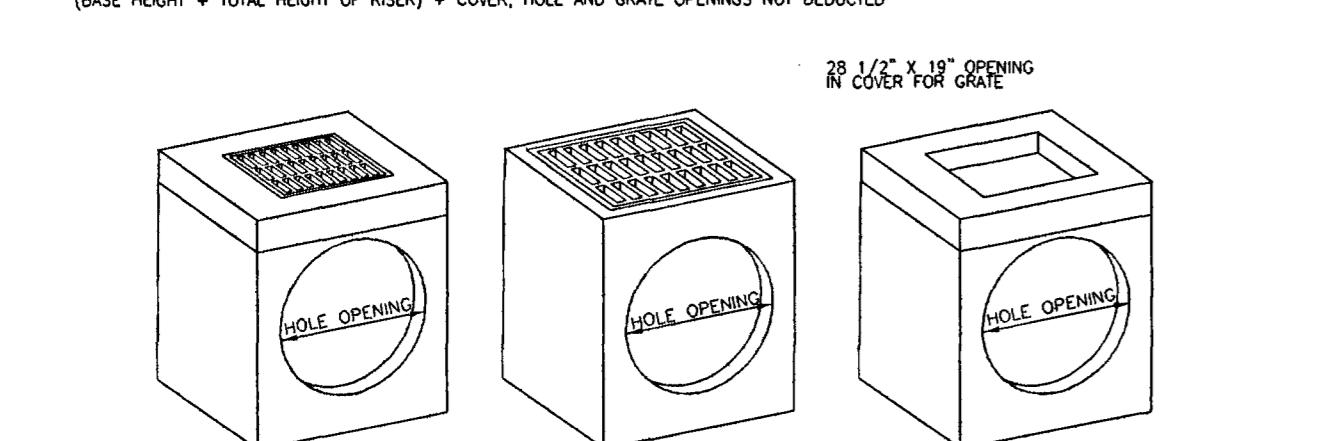
2' x 2' WALL REINFORCEMENT (SQ. IN. PER LIN. FT.)												
DEPTH OF INSTALLATION	BASE		TOP RISER		INTERIOR RISER #1		INTERIOR RISER #2		INTERIOR RISER #3		INTERIOR RISER #4	
	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT
0-4	0.07	8.842	-	-	-	-	-	-	-	-	-	-
0-8	0.13	15.622	-	-	-	-	-	-	-	-	-	-
0-12	0.20	23.402	-	-	-	-	-	-	-	-	-	-

2' x 3' WALL REINFORCEMENT (SQ. IN. PER LIN. FT.)												
DEPTH OF INSTALLATION	BASE		TOP RISER		INTERIOR RISER #1		INTERIOR RISER #2		INTERIOR RISER #3		INTERIOR RISER #4	
	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT
0-4	0.10	11.840	-	-	-	-	-	-	-	-	-	-
0-8	0.20	23.680	-	-	-	-	-	-	-	-	-	-
0-12	0.25	29.500	-	-	-	-	-	-	-	-	-	-

3' x 5' WALL REINFORCEMENT (SQ. IN. PER LIN. FT.)												
DEPTH OF INSTALLATION	BASE		TOP RISER		INTERIOR RISER #1		INTERIOR RISER #2		INTERIOR RISER #3		INTERIOR RISER #4	
	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT	AREA	LB/FT
0-8	0.30	38.969	0.24	29.570	-	-	-	-	-	-	-	-
0-12	0.74	88.370	0.24	29.570	0.60	78.867	-	-	-	-	-	-
0-18	0.98	118.228	0.24	29.570	0.60	78.867	0.74	95.338	-	-	-	-
0-20	1.14	140.140	0.24	29.570	0.60	78.867	0.74	95.338	1.02	124.672	-	-
0-24	1.44	176.008	0.24	29.570	0.60	78.867	0.74	95.338	1.02	124.672	1.20	146.673

COVER/BOTTOM REINFORCEMENT				
INLET OR JUNCTION BOX	COVER	BOTTOM		
		REINFORCEMENT	WEIGHT	
2x2	#4 @ 9" EW	12.247	WVF-W6.0 X W6.0 - 3 X 3	10.559
2x3	#4 @ 9" EW	17.869	WVF-W6.0 X W6.0 - 3 X 3	16.802
3x3	#4 @ 9" EW	36.741	WVF-W6.0 X W6.0 - 3 X 3	32.268

NOTE: REINFORCEMENT STEEL (LBS PER INLET/JUNCTION BOX) = BOTTOM + TOTAL FOR EACH RISER (TOP PLUS ANY INTERIOR RISERS) (BASE HEIGHT + TOTAL HEIGHT OF RISER) x COVER, HOLE AND GRATE OPENINGS NOT DEDUCTED



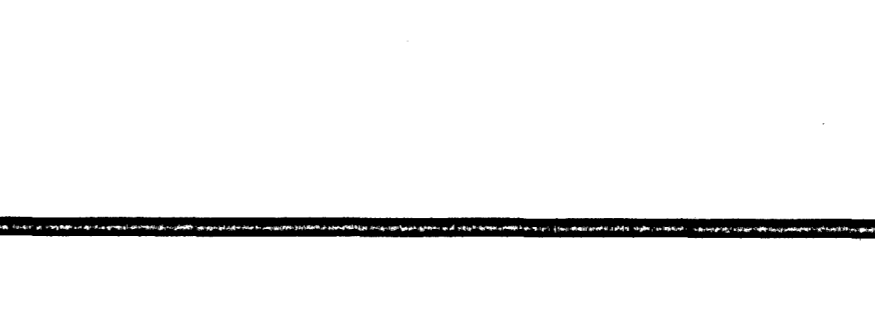
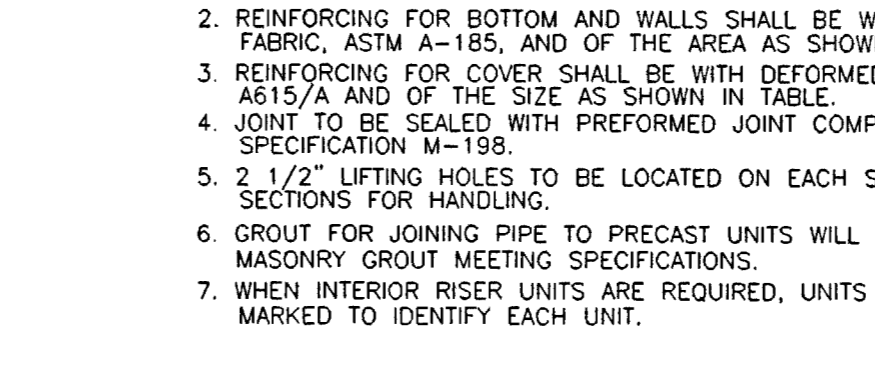
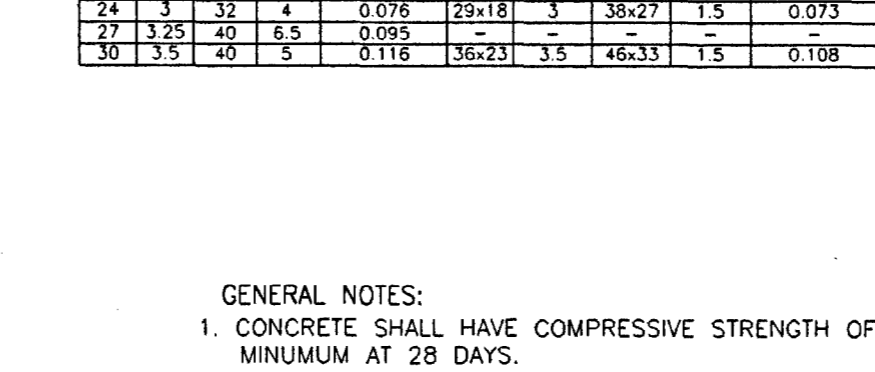
- GENERAL NOTES:
- CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 4000 PSI MINIMUM AT 28 DAYS.
  - REINFORCING FOR BOTTOM AND WALLS SHALL BE WELDED WIRE FABRIC, ASTM A-185, AND OF THE AREA AS SHOWN IN TABLE.
  - REINFORCING FOR COVER SHALL BE WITH DEFORMED BARS, ASTM A615/A AND OF THE SIZE AS SHOWN IN TABLE.
  - JOINT TO BE SEALED WITH PREFORMED JOINT COMPOUND, AASHTO SPECIFICATION M-198.
  - 2 1/2" LIFTING HOLES TO BE LOCATED ON EACH SIDE OF BOX SECTIONS FOR HANDLING.
  - GROUT FOR JOINING PIPE TO PRECAST UNITS WILL BE A COMMERCIAL MASONRY GROUT MEETING SPECIFICATIONS.
  - WHEN INTERIOR RISER UNITS ARE REQUIRED, UNITS SHALL BE MARKED TO IDENTIFY EACH UNIT.

MINIMUM PIPE DEPTH WITHOUT EXTENSION TOP OF CURB UNIT TO PIPE INVERT			
ROUND RCP SIZE	DEPTH INCHES	ARCH RCP SIZE	DEPTH INCHES
12	36	-	32.5
15	39.5	18x11	34.5
18	42	22x13	34.5
21	44.5	-	-
24	49	28x18	39.5
27	53.5	-	-
30	55	36x23	44.5

MINIMUM PIPE DEPTH WITH EXTENSION TOP OF CURB UNIT TO PIPE INVERT			
ROUND RCP SIZE	DEPTH INCHES	ARCH RCP SIZE	DEPTH INCHES
12	55	-	51.5
15	58	18x11	53
18	61	22x13	53
21	64	-	-
24	69	28x18	59.5
27	72	-	-
30	74	36x23	64.5

NOTE: BLANK SPACES IN TABLES INDICATE PIPE WILL NOT FIT INTO SIZE OF BOX OR PIPE SIZE IS NOT AVAILABLE

HOLE OPENING									
ROUND RCP SIZE	OPENING			ARCH RCP			OPENING		
	HO	OP	CONCRETE PER OPENING (C.Y.)	SIZE	HO	OP	CONCRETE PER OPENING (C.Y.)	SIZE	
12	20	4	0.017	-	-	-	-	-	-
15	24	4.5	0.032	18x11	2.25	25.5x18.5	1.5	0.015	-
18	24	4	0.045	22x13	2.5	30x21	1.5	0.045	-
21	27.5	3.5	0.060	-	-	35x27	1.5	0.073	-
24	32	4	0.076	28x18	3	38x27	1.5	0.073	-
27	37.5	4.5	0.095	-	-	46x33	1.5	0.108	-
30	37.5	4.5	0.116	36x23	3.5	46x33	1.5	0.108	-

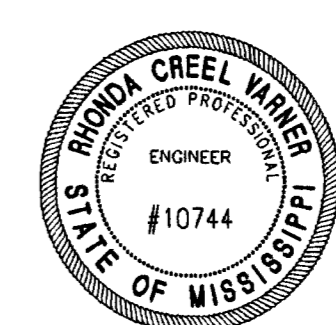


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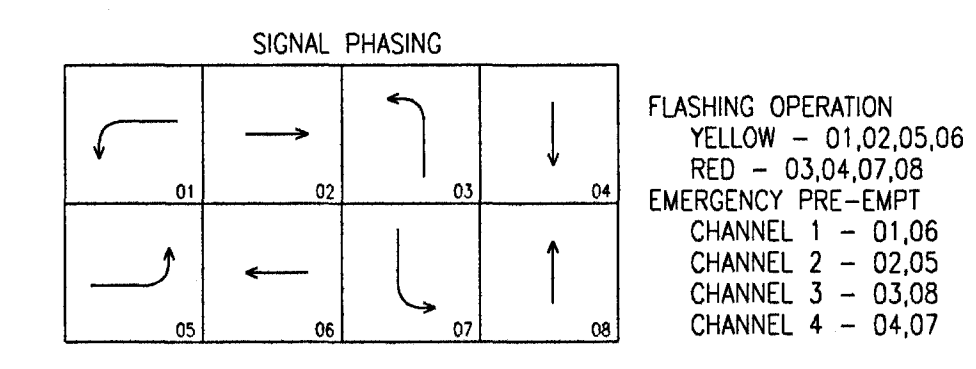
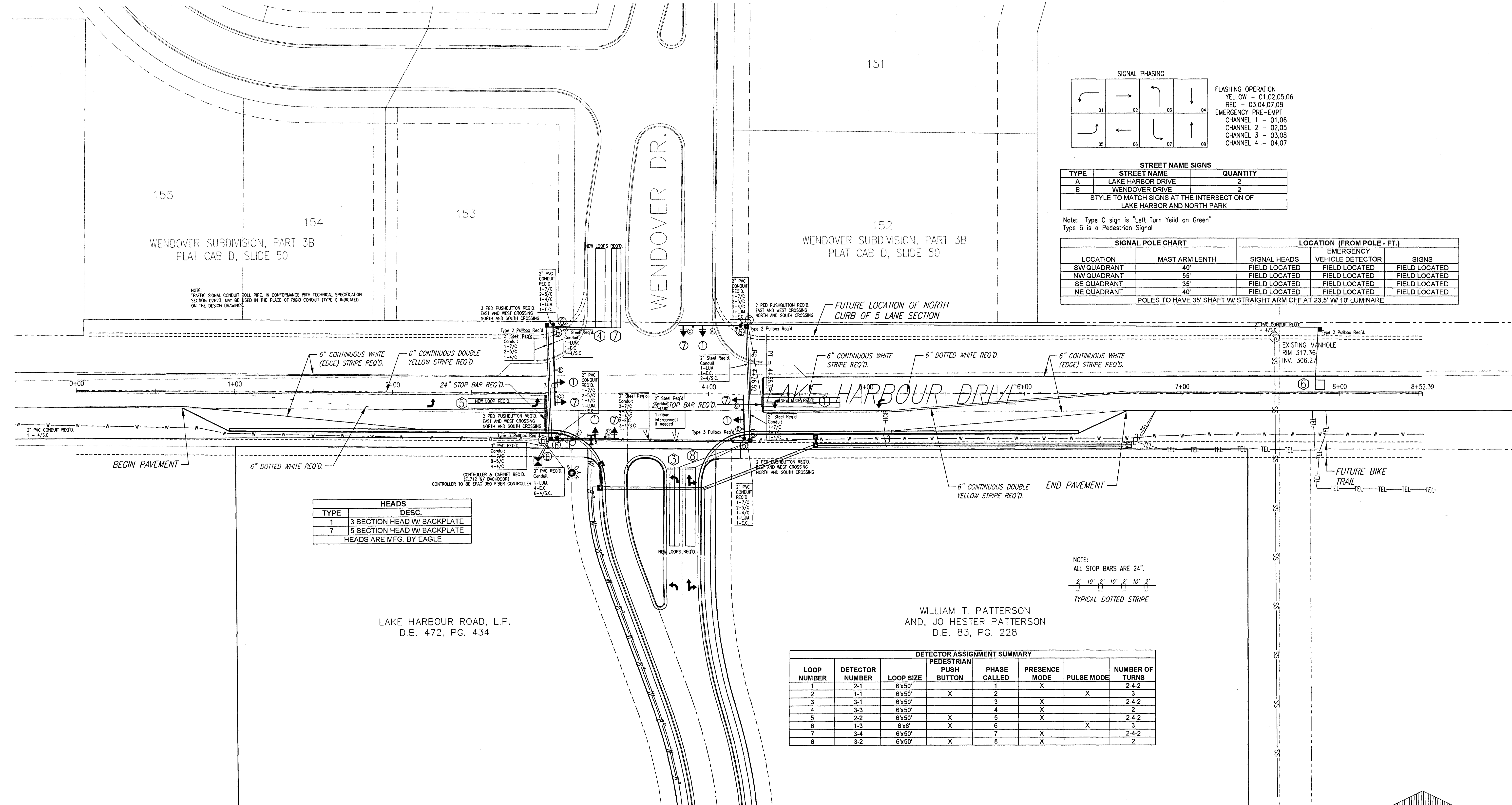
ROADWAY IMPROVEMENTS OF SIGNALIZATION OF THE INTERSECTION OF LAKE HARBOUR DRIVE AND WENDOVER DRIVE

STANDARD STORM SEWER DETAILS

CITY OF RIDGELAND MADISON COUNTY, MISSISSIPPI



DSGN: RGV	DATE: 04/23/09	STERLING CONSULTANTS ENGINEERS	DRAWING NO.
DRWN: RDD	DATE: 04/23/09		6 OF 6
CHKD: RGV	DATE: 04/23/09		
SCALE: AS SHOWN			



**STREET NAME SIGNS**

TYPE	STREET NAME	QUANTITY
A	LAKE HARBOR DRIVE	2
B	WENDOVER DRIVE	2

STYLE TO MATCH SIGNS AT THE INTERSECTION OF LAKE HARBOR AND NORTH PARK

**SIGNAL POLE CHART**

LOCATION	MAST ARM LENGTH	LOCATION (FROM POLE - FT.)		
		SIGNAL HEADS	EMERGENCY VEHICLE DETECTOR	SIGNS
SW QUADRANT	40'	FIELD LOCATED	FIELD LOCATED	FIELD LOCATED
NW QUADRANT	55'	FIELD LOCATED	FIELD LOCATED	FIELD LOCATED
SE QUADRANT	35'	FIELD LOCATED	FIELD LOCATED	FIELD LOCATED
NE QUADRANT	40'	FIELD LOCATED	FIELD LOCATED	FIELD LOCATED

POLES TO HAVE 35' SHAFT W/ STRAIGHT ARM OFF AT 23.5' W/ 10' LUMINARE

**HEADS**

TYPE	DESC.
1	3 SECTION HEAD W/ BACKPLATE
7	5 SECTION HEAD W/ BACKPLATE

HEADS ARE MFG. BY EAGLE

**DETECTOR ASSIGNMENT SUMMARY**

LOOP NUMBER	DETECTOR NUMBER	LOOP SIZE	PEDESTRIAN PUSH BUTTON	PHASE CALLED	PRESENCE MODE	PULSE MODE	NUMBER OF TURNS
1	2-1	6'x50'		1	X		2-4-2
2	1-1	6'x50'	X	2		X	3
3	3-1	6'x50'		3	X		2-4-2
4	3-3	6'x50'		4	X		2
5	2-2	6'x50'	X	5	X		2-4-2
6	1-3	6'x6'	X	6		X	3
7	3-4	6'x50'		7	X		2-4-2
8	3-2	6'x50'	X	8	X		2

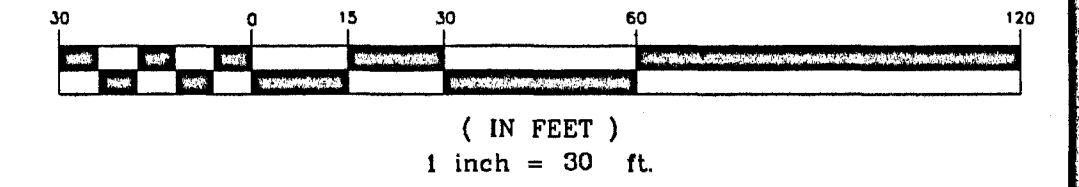
LAKE HARBOR ROAD, L.P.  
 D.B. 472, PG. 434

WILLIAM T. PATTERSON  
 AND, JO HESTER PATTERSON  
 D.B. 83, PG. 228

NOTE:  
 ALL STOP BARS ARE 24".  
 2' 10' 2' 10' 2' 10' 2'  
 TYPICAL DOTTED STRIPE



**NORTH**  
 GRAPHIC SCALE

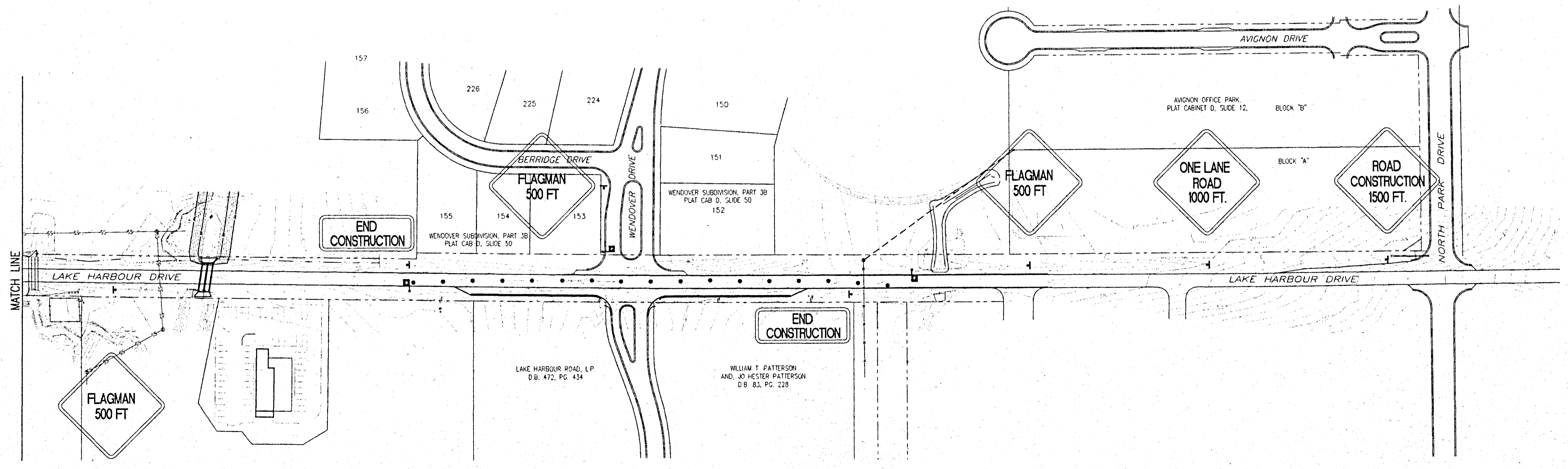
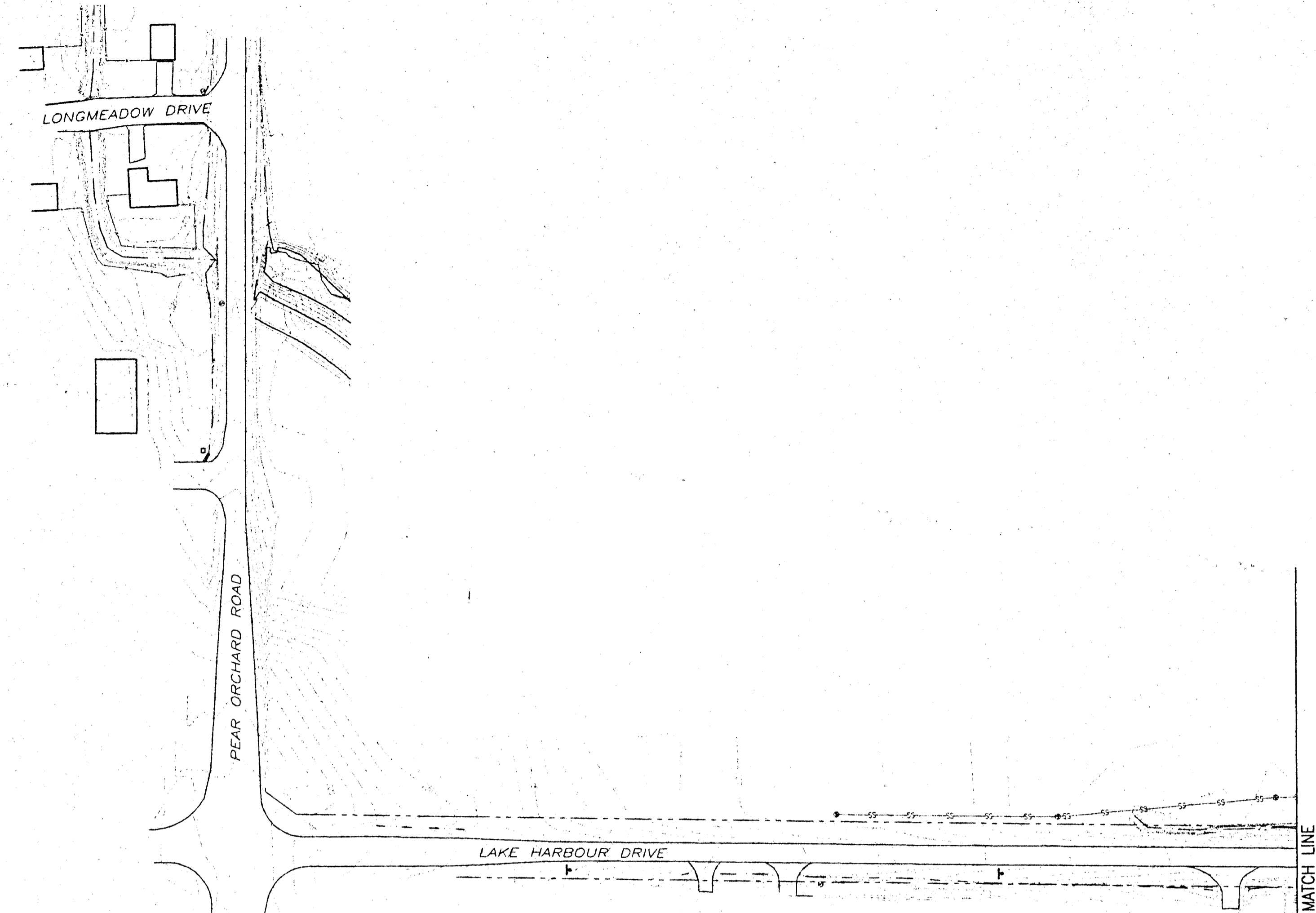


**ROADWAY IMPROVEMENTS OF SIGNALIZATION OF THE INTERSECTION OF LAKE HARBOR DRIVE AND WENDOVER DRIVE**

**TRAFFIC SIGNAL PLAN**

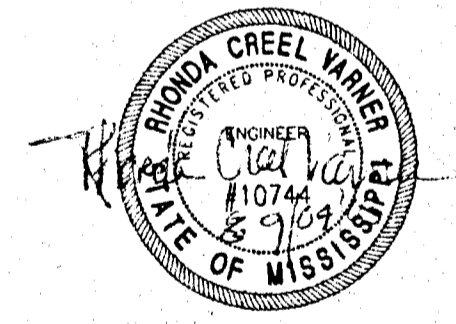
**CITY OF RIDGELAND  
 MADISON COUNTY, MISSISSIPPI**

DSGN: R.C.V.	DATE: 01/04/08	STERLING CONSULTANTS CONSULTING ENGINEERS	DRAWING NO.
DRWN: G.D.B.	DATE: 01/04/08		4 OF 5
CHKD: R.C.V.	DATE: 01/04/08		
SCALE: 1"=30'			



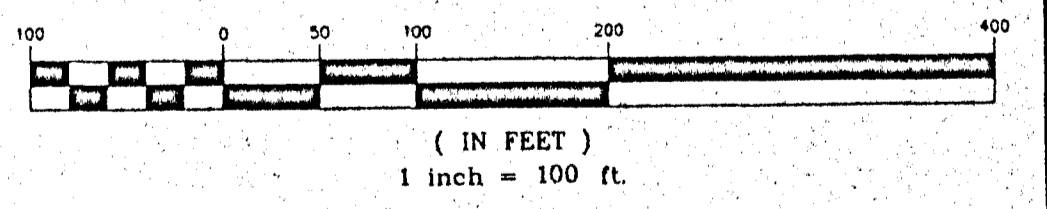
**LEGEND**

- ◻ FLAGMAN
- DRUM
- ⊥ SIGN



**NORTH**

GRAPHIC SCALE



**ROADWAY IMPROVEMENTS OF SIGNALIZATION OF THE INTERSECTION OF LAKE HARBOUR DRIVE AND WENDOVER DRIVE**

**TRAFFIC CONTROL PLAN**

**CITY OF RIDGELAND  
MADISON COUNTY, MISSISSIPPI**

DSCN: RCV	DATE: 01/01/10		DRAWING NO.
DRWN: EDD	DATE: 01/01/10		<b>1 OF 1</b>
CHKD: RCV	DATE: 01/01/10		
SCALE: 1"=100'			