

# OLD CANTON ROAD REHABILITATION

## from County Line Road to Lake Harbour Drive

### Ridgeland, Mississippi

**CITY OFFICIALS:**

**MAYOR**

GENE F. McGEE

**BOARD OF ALDERMEN**

- KEN HEARD, WARD 1
- CHUCK GAUTIER, WARD 2
- CAROLE A. DAVIS, WARD 3
- LARRY ROBERTS, WARD 4
- SCOTT JONES, WARD 5
- LINDA DAVIS TRUNZLER, WARD 6
- GERALD STEEN, AT-LARGE

**CITY ATTORNEY**

JERRY MILLS

**DIRECTOR OF PUBLIC WORKS**

MIKE McCOLLUM

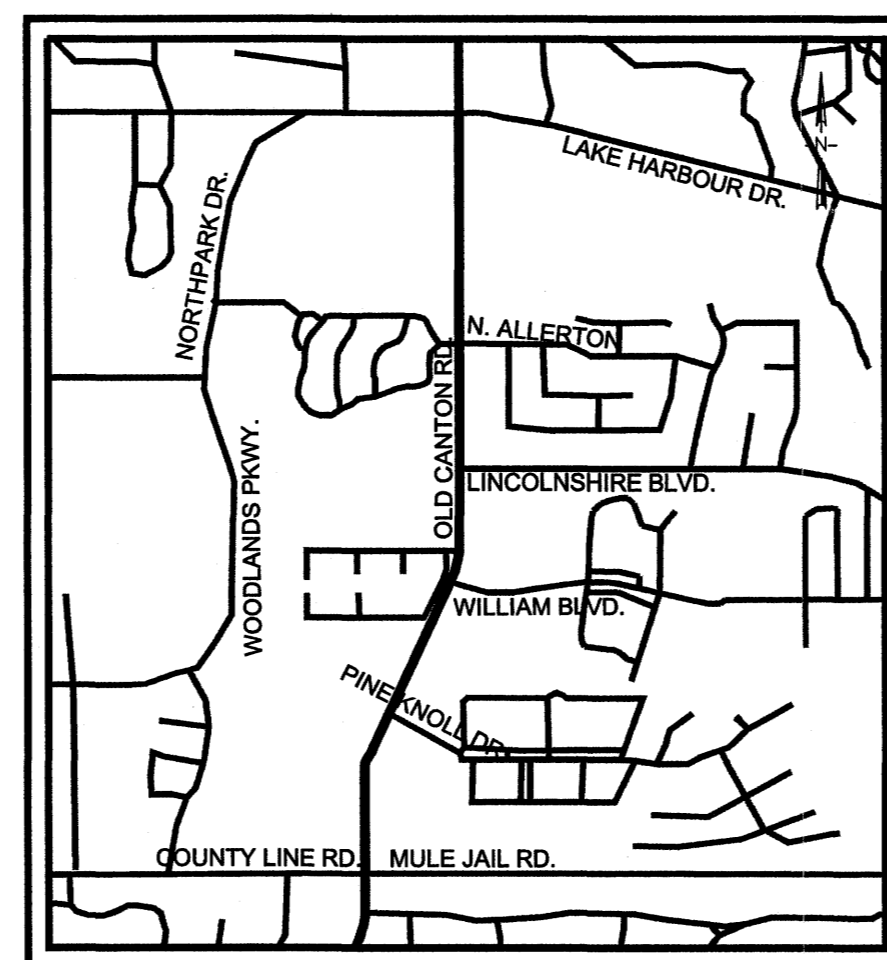
**ASST. DIRECTOR OF PUBLIC WORKS**

BEN MAYS

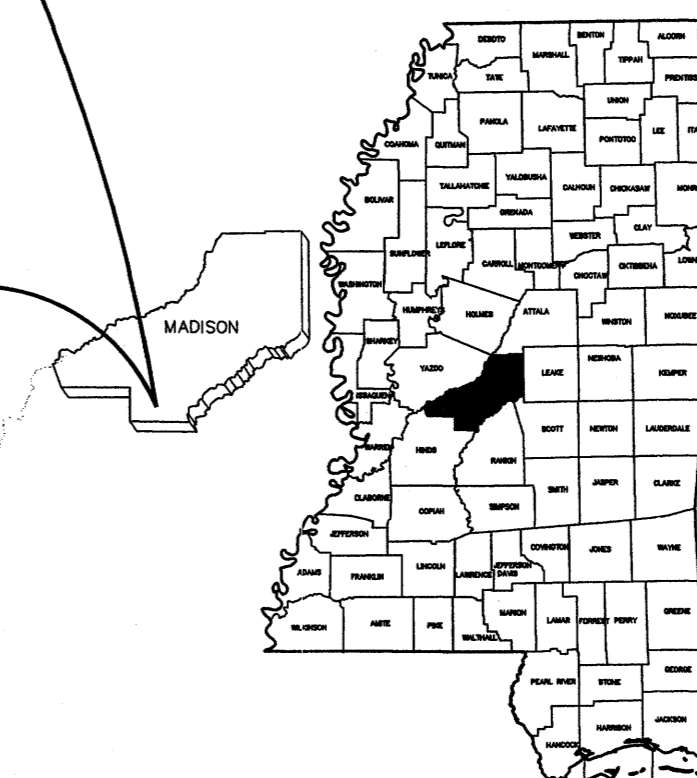
**CITY ENGINEER**

DAVID E. WILLIAMS, P.E.

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VICINITY MAP



FEBRUARY 2003  
WEI #C02-066

RECORD DRAWING  
5/19/05

PWP-01528

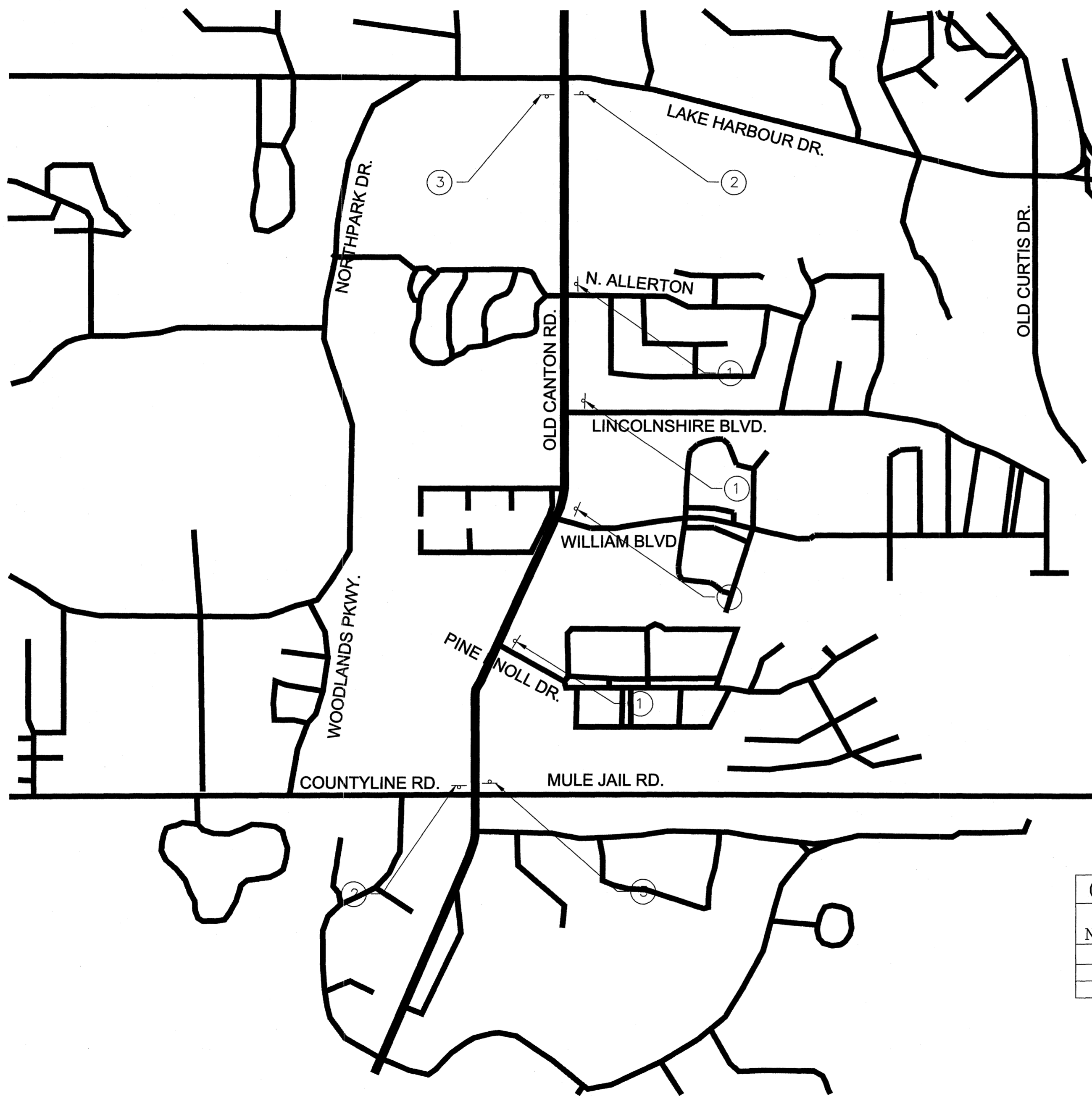
OLD CANTON ROAD REHABILITATION - Ridgeland, Mississippi WEI# C02-066







**OLD CANTON ROAD REHABILITATION  
RIDGELAND, MISSISSIPPI**



**RECORD DRAWING  
5/19/05**

CONSTRUCTION SIGN SCHEDULE		
SIGN NUMBER	MUTCD NUMBER	DESCRIPTION
1	W20-1	ROAD WORK AHEAD
2	G20-2A	END ROAD WORK
3	G20-1	ROAD WORK NEXT 1 MILE

DRAWING REVISIONS		
NO.	REMARKS	DATE

SCALE:	
DRAWN BY:	SM
DESIGNED BY:	EE
CHECKED BY:	JB
DRAWING TITLE:	

**TRAFFIC CONTROL PLAN**

Sheet Number: **C2.1**





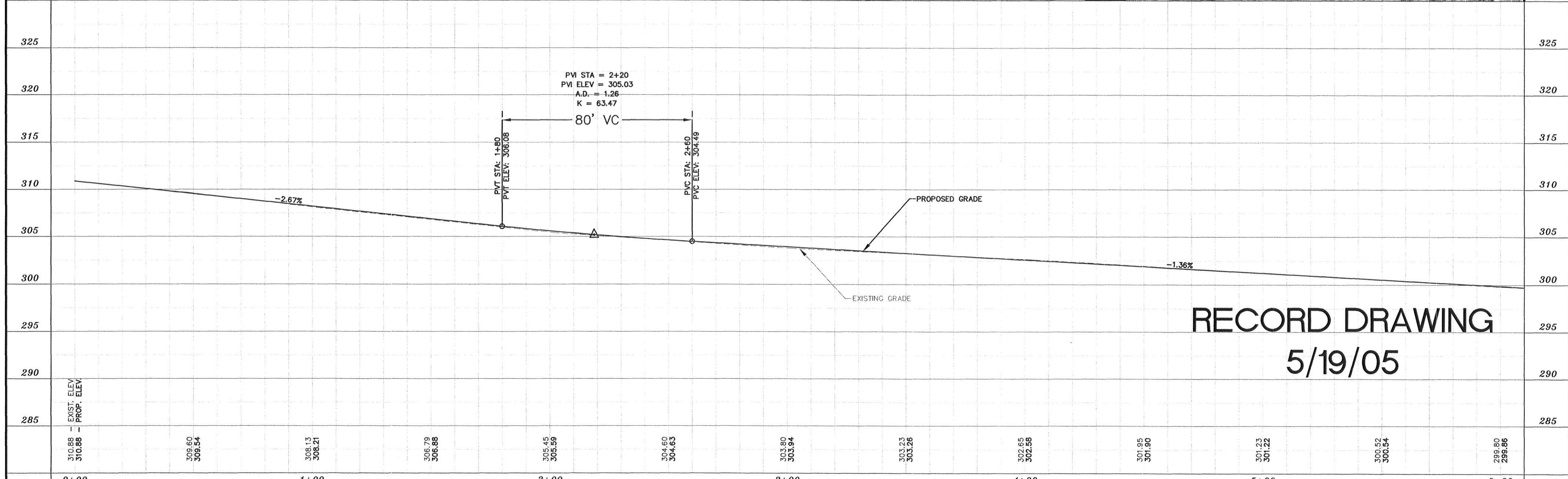
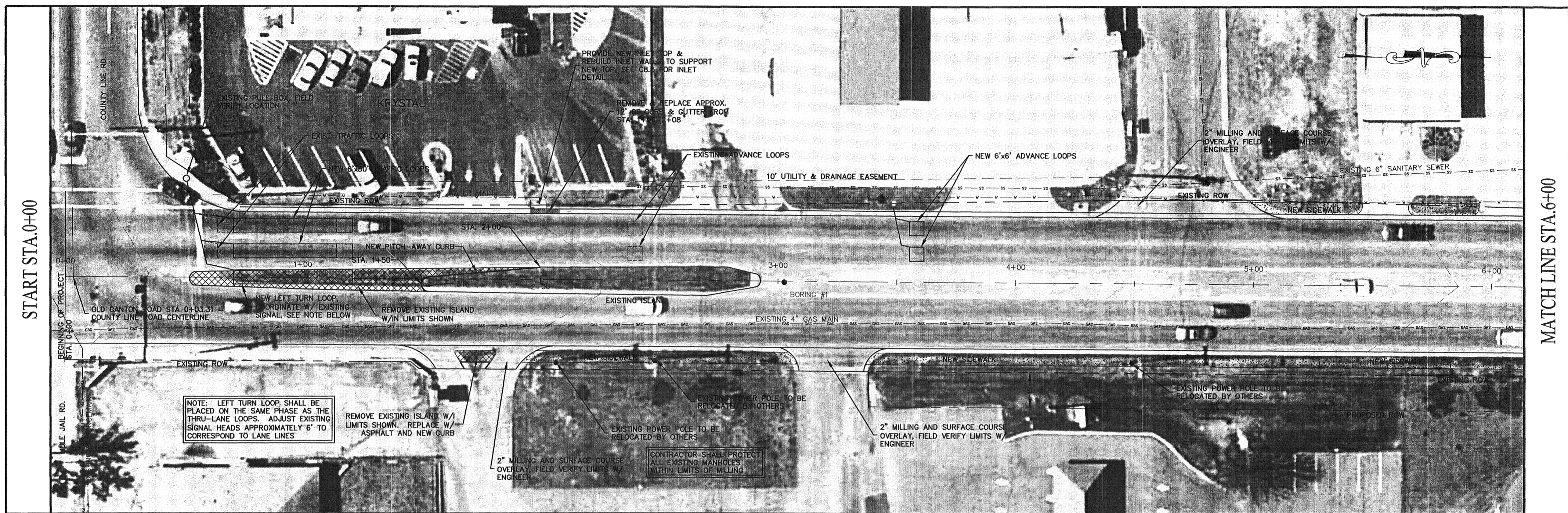












310.88	309.60	308.13	306.79	305.45	304.60	303.90	303.23	302.65	301.95	301.23	300.94	299.80
310.88	309.54	308.21	306.86	305.59	304.63	303.94	303.26	302.68	301.90	301.22	300.94	299.86
0+00	1+00	2+00	3+00	4+00	5+00	6+00						

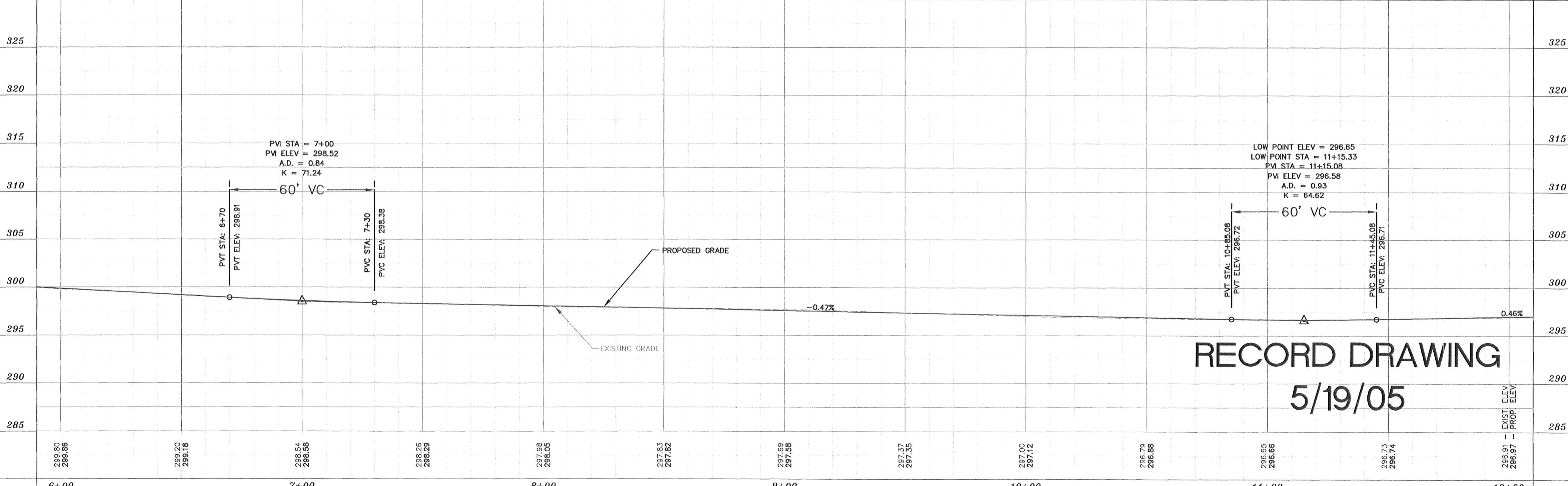
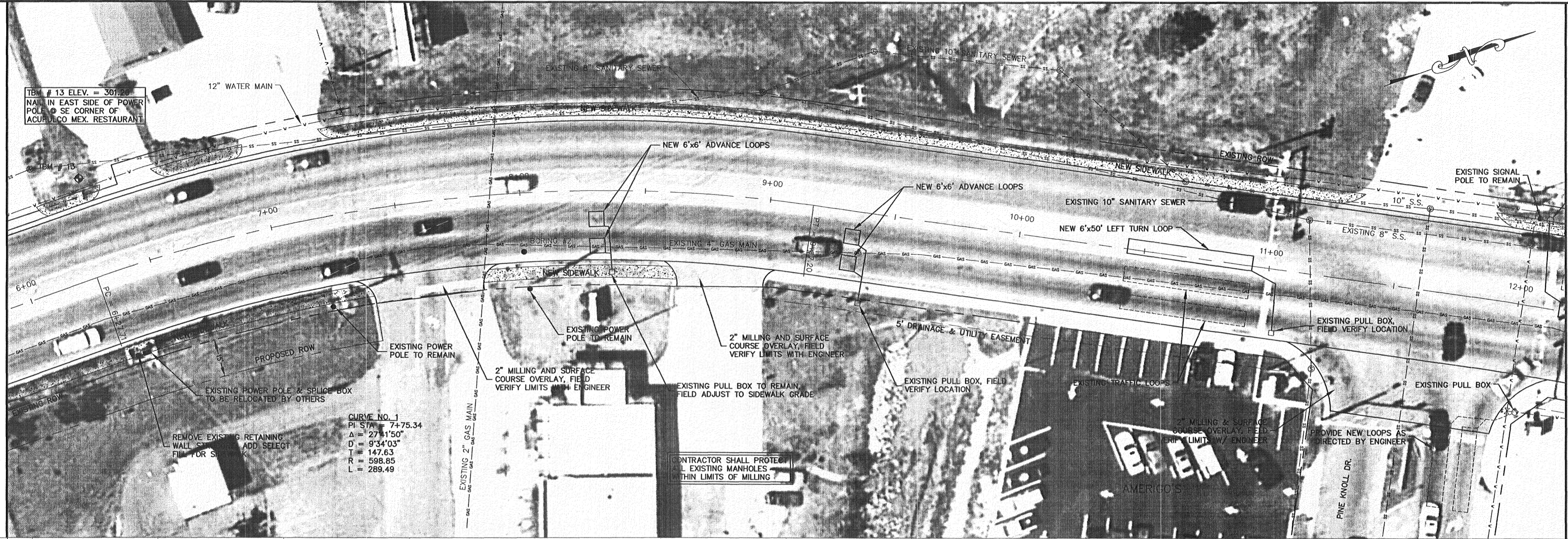
DESIGNED EE/SM		DATE 2/21/03		143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9526 FAX 601-352-3945	OLD CANTON ROAD REHABILITATION RIDGELAND, MISSISSIPPI		<b>PLAN/PROFILE - OLD CANTON ROAD</b> (STA. 0+00 TO STA. 6+00)		ACAD PATH ROUTE	
REVIEWED JB		SCALE HORIZ 1" = 20' VERT 1" = 5'							W.E.I. JOB NO. C02-066	

O:\Ridgeland City of\C02-066-Rehabilitation Old Canton Rd\4 - Engineering\C02-066\Draw\C02-066 MASTER.Dwg



MATCH LINE STA. 6+00

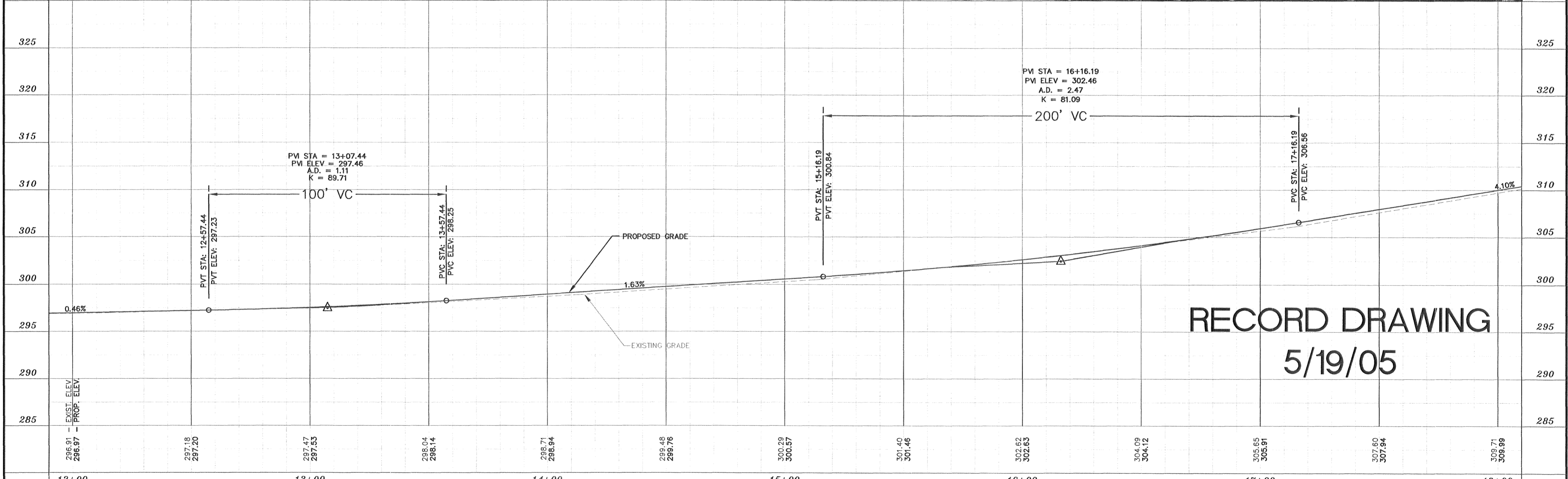
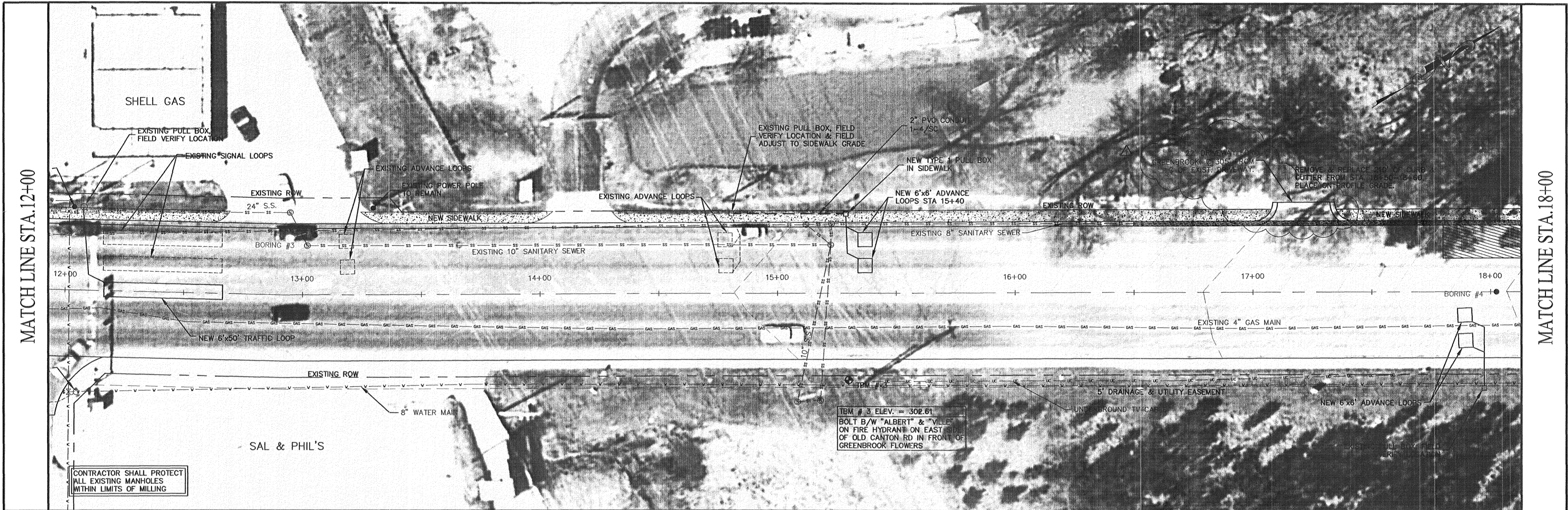
MATCH LINE STA. 12+00



**RECORD DRAWING**  
**5/19/05**

NO.	DATE	REVISIONS	BY	DESIGNED EE/SM	DATE 2/21/03	 143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9526 FAX 601-352-3945	OLD CANTON ROAD REHABILITATION RIDGELAND, MISSISSIPPI	<b>PLAN/PROFILE - OLD CANTON ROAD</b> (STA. 6+00 TO STA. 12+00)	ACAD PATH ROUTE	
				REVIEWED JB	SCALE HORIZ 1"=20' VERT 1"=5'				W.E.I. JOB NO. C02-066	SHEET NO. C3.2

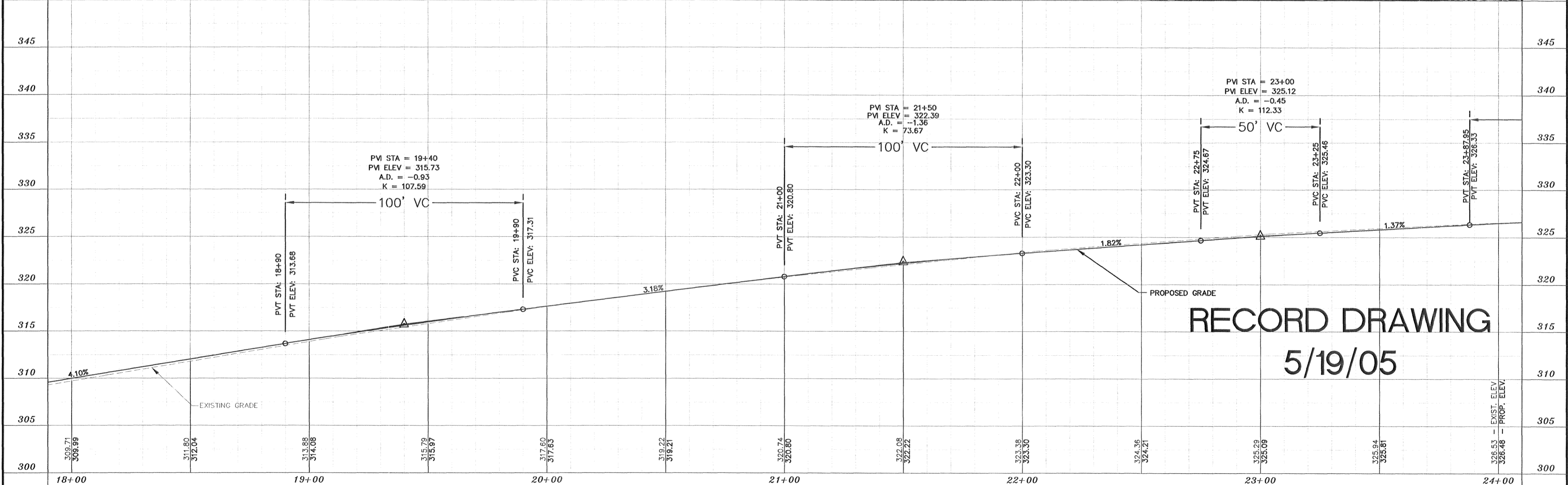
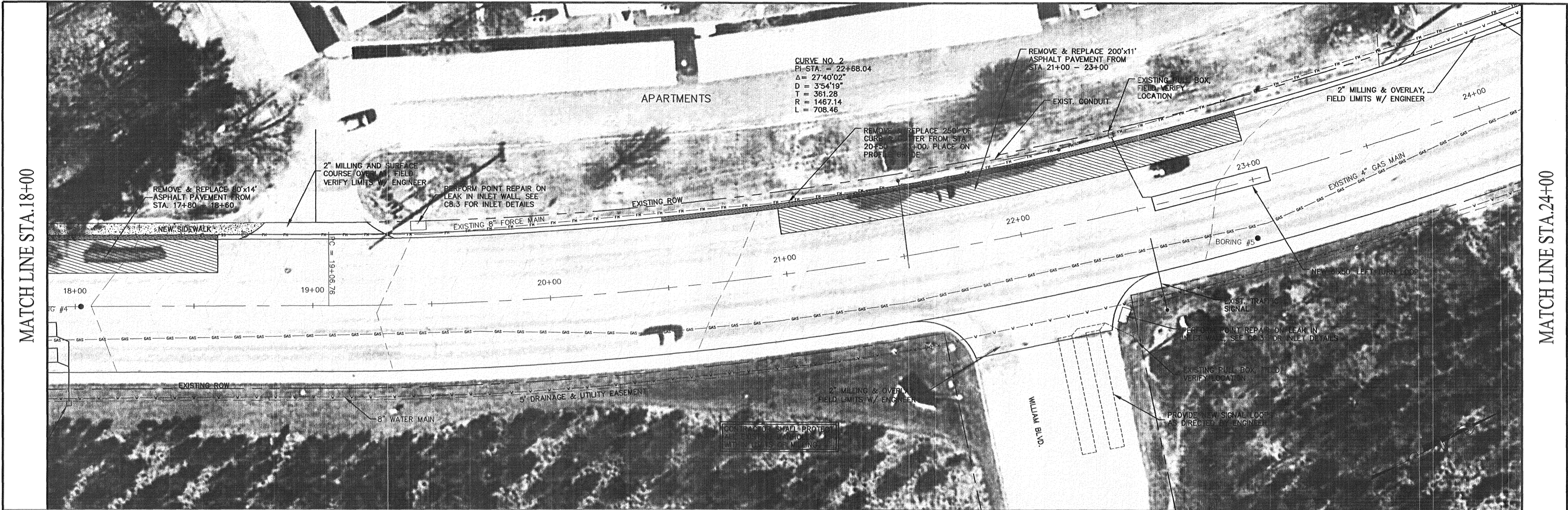




**RECORD DRAWING**  
5/19/05

1	5/05	Curb & Gutter for new driveway	DESIGNED EE/SM	DATE 2/21/03	 143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9526 FAX 601-352-3945	<b>OLD CANTON ROAD REHABILITATION</b> RIDGELAND, MISSISSIPPI	<b>PLAN/PROFILE - OLD CANTON ROAD</b> (STA. 12+00 TO STA. 18+00)	ACAD PATH ROUTE	
NO.	DATE	REVISIONS	BY	SCALE HORIZ 1"=20' VERT 1"=5'				W.E.I. JOB NO. C02-066	SHEET NO. C3.3





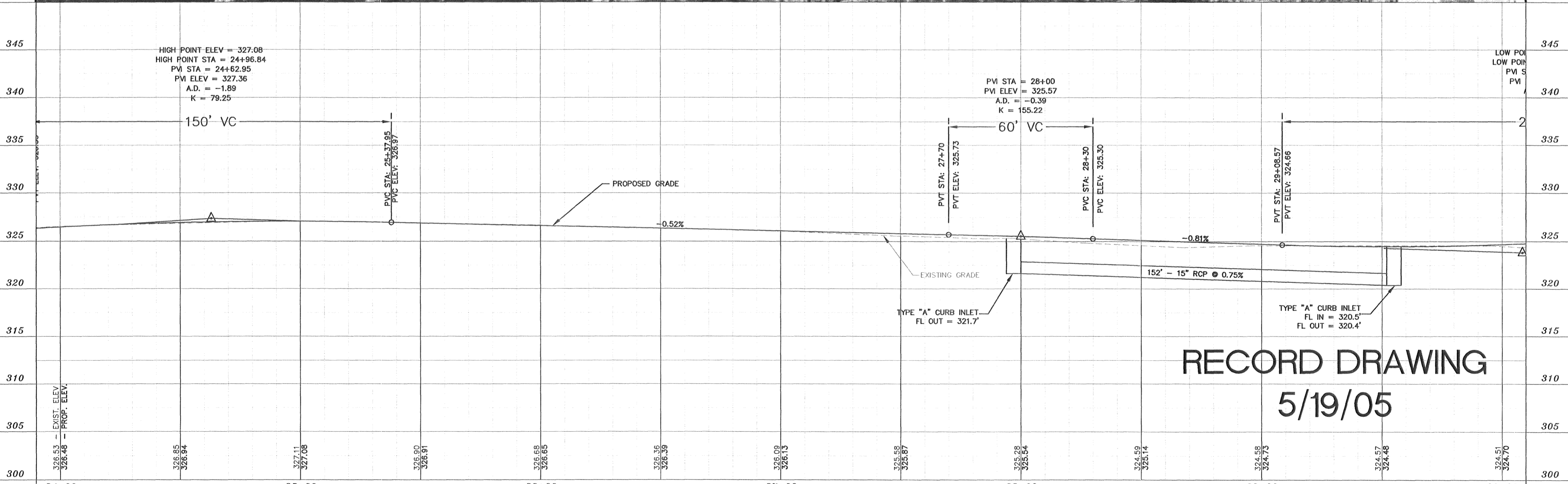
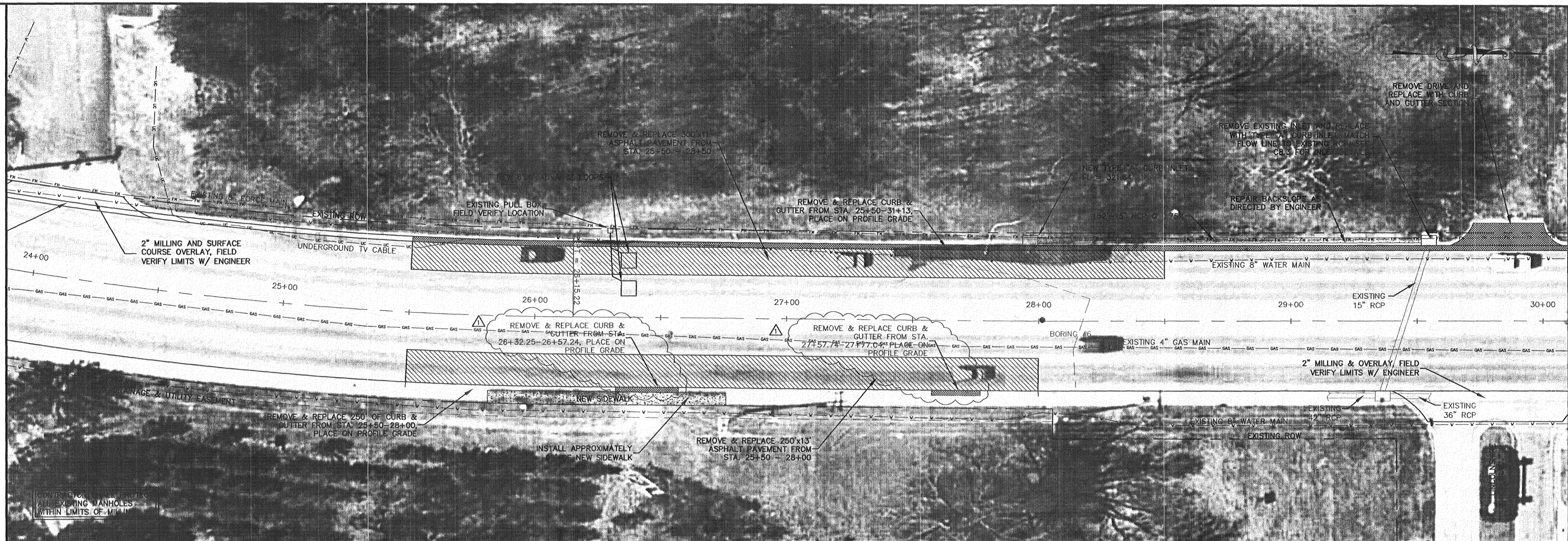
**RECORD DRAWING**  
**5/19/05**

NO. DATE		REVISIONS		DESIGNED EE/SM	DATE 2/21/03	 143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9526 FAX 601-352-3945	OLD CANTON ROAD REHABILITATION RIDGELAND, MISSISSIPPI	<b>PLAN/PROFILE - OLD CANTON ROAD</b> (STA.18+00 TO STA.24+00)		ACAD PATH ROUTE	
				REVIEWED JB	SCALE HORIZ 1"=20' VERT 1"=5'					W.E.I. JOB NO. C02-066	SHEET NO. C3.4



MATCH LINE STA. 24+00

MATCH LINE STA. 30+00



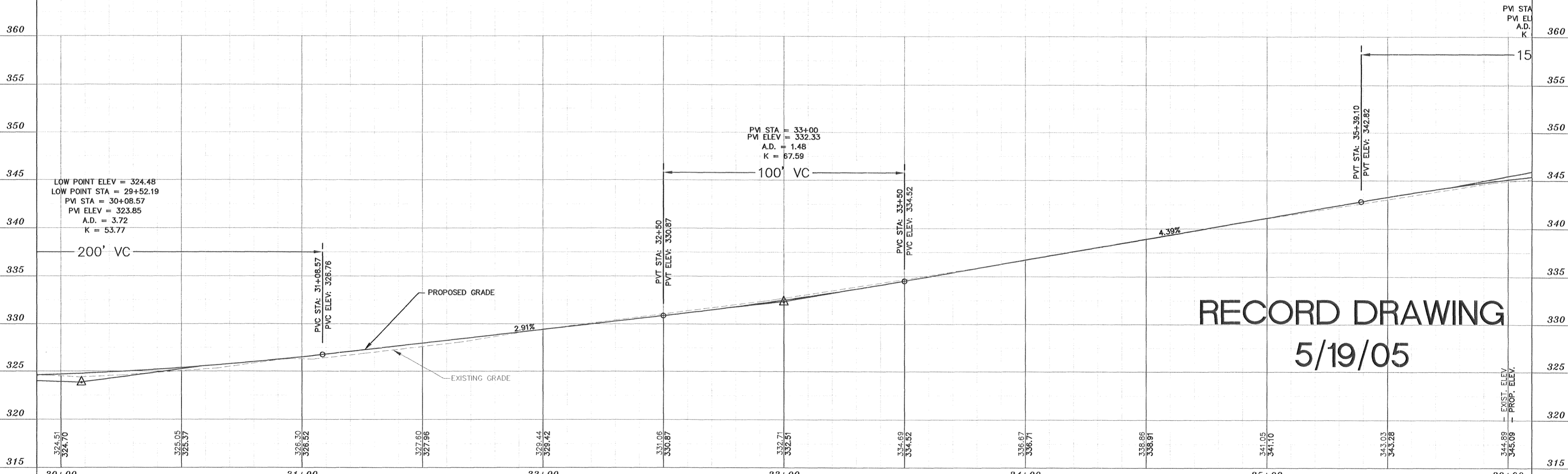
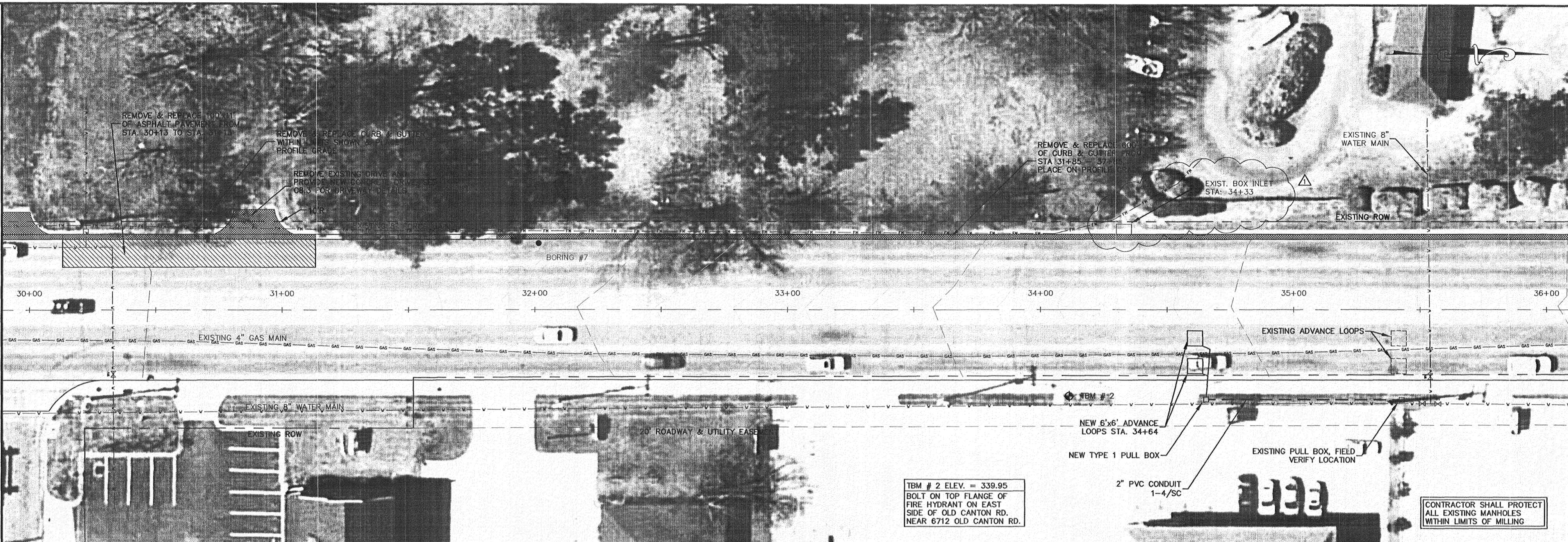
**RECORD DRAWING**  
**5/19/05**

1	5/05	Removed driveway. Curb & gutter only where noted.	DESIGNED EE/SM	DATE 2/21/03	 143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9526 FAX 601-352-3945	OLD CANTON ROAD REHABILITATION RIDGELAND, MISSISSIPPI	PLAN/PROFILE - OLD CANTON ROAD (STA. 24+00 TO STA. 30+00)		ACAD PATH ROUTE	
NO.	DATE	REVISIONS	BY	SCALE HORIZ 1"=20' VERT 1"=5'			W.E.I. JOB NO. C02-066	SHEET NO. C3.5		



MATCH LINE STA. 30+00

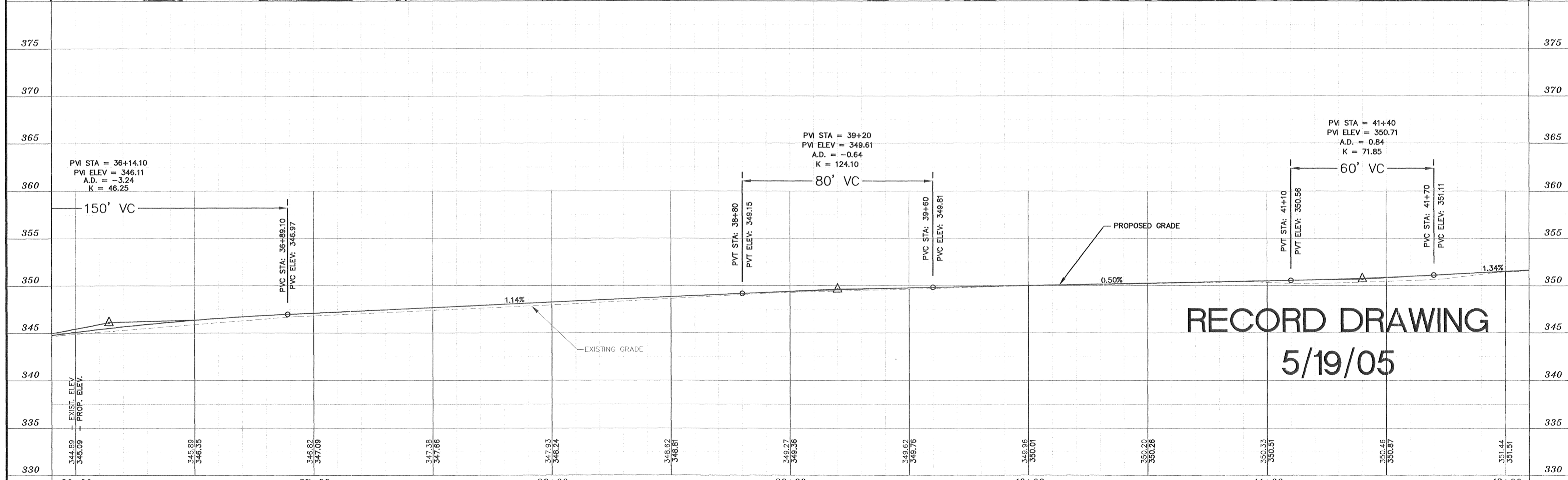
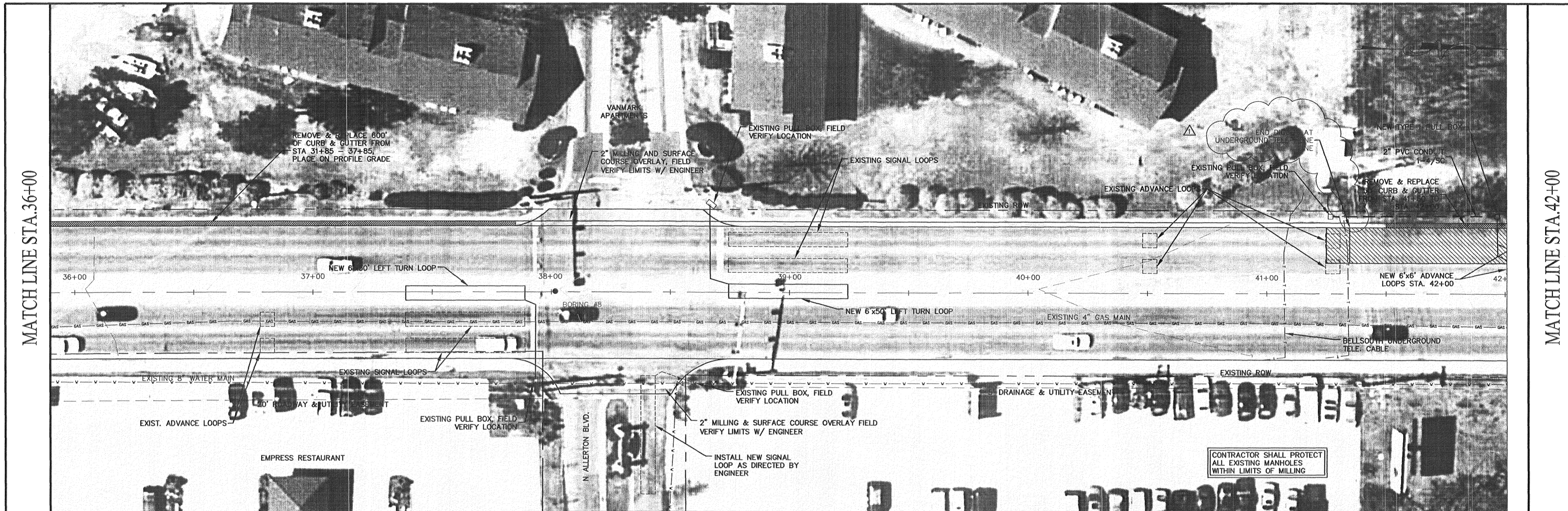
MATCH LINE STA. 36+00



RECORD DRAWING  
5/19/05

NO.	DATE	REVISIONS	BY	DESIGNED EE/SM	DATE 2/21/03	<p>143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9526 FAX 601-352-3945</p>	<p>OLD CANTON ROAD REHABILITATION RIDGELAND, MISSISSIPPI</p>	<p>PLAN/PROFILE - OLD CANTON ROAD (STA. 30+00 TO STA. 36+00)</p>	ACAD PATH ROUTE	
				REVIEWED JB	SCALE HORIZ 1"=20' VERT 1"=5'				W.E.I. JOB NO. C02-066	SHEET NO. C3.6



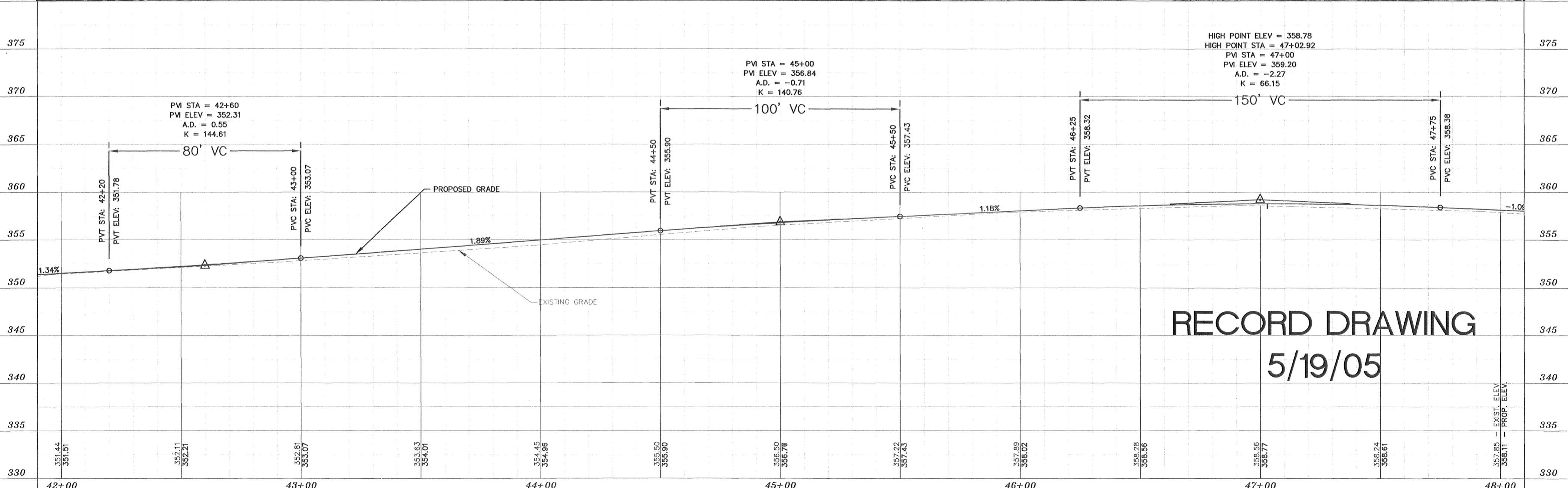
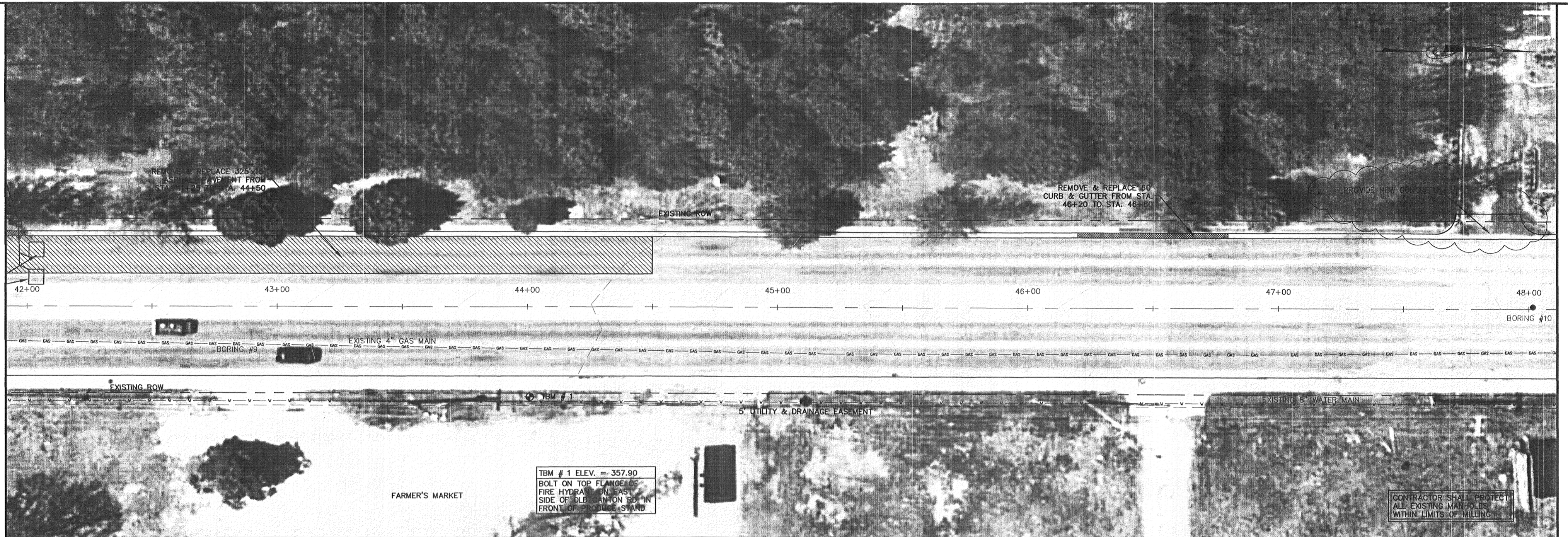


1	5/05	End dipout at underground telephone line	DESIGNED EE/SM	DATE 2/21/03	143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9528 FAX 601-352-3945	<b>OLD CANTON ROAD REHABILITATION</b> RIDGELAND, MISSISSIPPI	<b>PLAN/PROFILE - OLD CANTON ROAD</b> (STA.36+00 TO STA.42+00)		ACAD PATH ROUTE	
NO.	DATE	REVISIONS	BY	JOB					HORIZ 1"=20' VERT 1"=5'	W.E.I. JOB NO. C02-066



MATCH LINE STA. 42+00

MATCH LINE STA. 48+00



**RECORD DRAWING**  
**5/19/05**

NO.	DATE	REVISIONS	BY
1	5/05	PROVIDE NEW CONCRETE DRIVEWAY	

DESIGNED	DATE
EE/SM	2/21/03
REVIEWED	SCALE
JB	HORIZ 1"=20' VERT 1"=5'

**WAGGONER**  
 Engineering, Inc.  
 Engineers, Surveyors, Planners  
 143-A LEFLEURS SQUARE  
 JACKSON, MS 39211  
 601-355-9526  
 FAX 601-352-3945

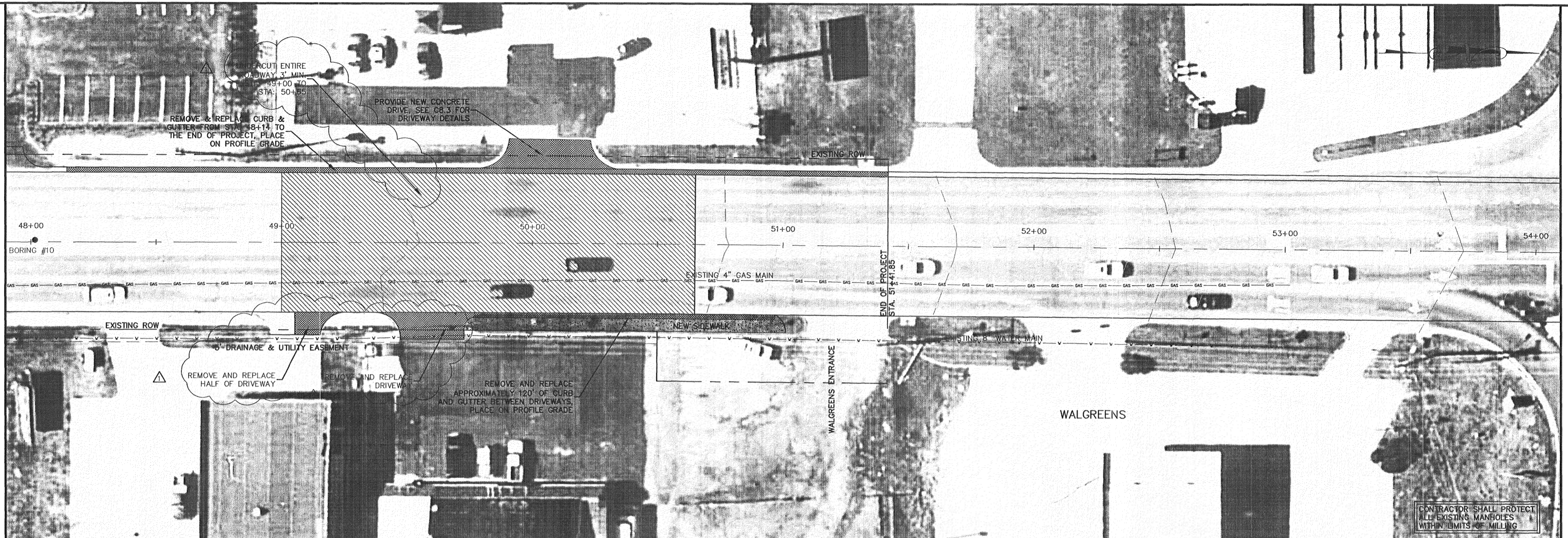
**OLD CANTON ROAD REHABILITATION**  
 RIDGELAND, MISSISSIPPI

**PLAN/PROFILE - OLD CANTON ROAD**  
 (STA. 42+00 TO STA. 48+00)

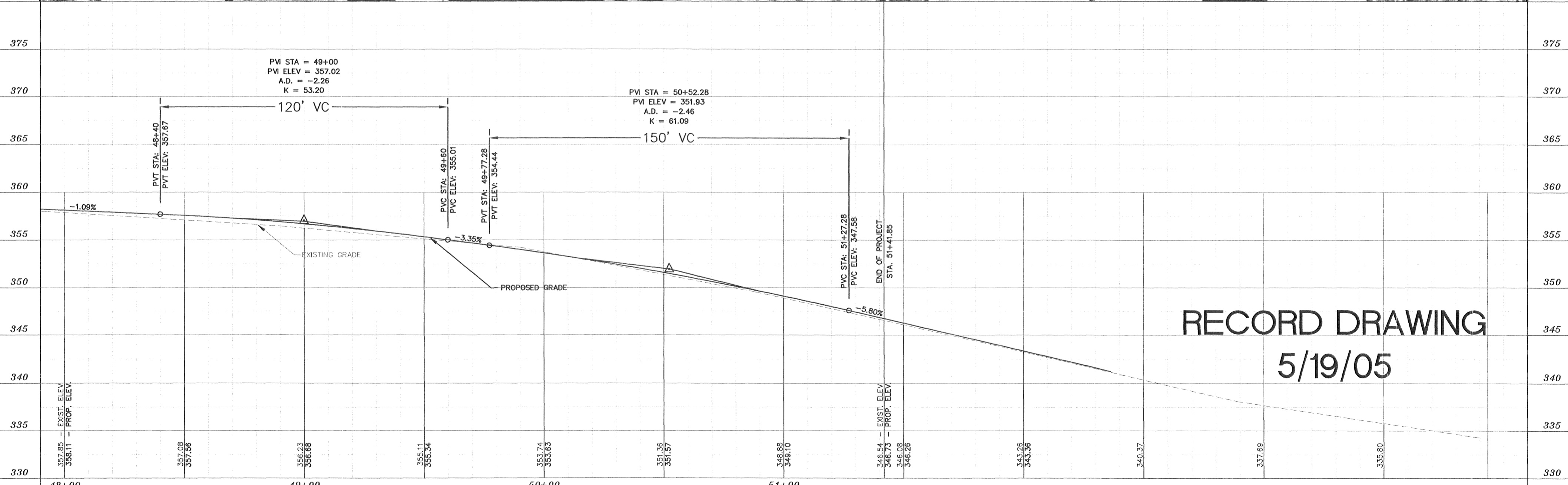
ACAD PATH ROUTE	
W.E.I. JOB NO.	SHEET NO.
C02-066	C3.8



MATCHLINE STA. 48+00



CONTRACTOR SHALL PROTECT ALL EXISTING MANHOLES WITHIN LIMITS OF MILLING



RECORD DRAWING  
5/19/05

NO.	DATE	REVISIONS	BY
1	5/05	Replace 1/2 of South driveway & all of North drive. Undercut sta: 49+00-50+65	

DESIGNED EE/SM	DATE 2/21/03
REVIEWED JB	SCALE HORIZ 1"=20' VERT 1"=5'

143-A LEFLEURS SQUARE  
JACKSON, MS 39211  
601-355-9526  
FAX 601-352-3945

WAGGONER  
Engineering, Inc.  
Engineers, Scientists, Planners

OLD CANTON ROAD REHABILITATION  
RIDGLAND, MISSISSIPPI

PLAN/PROFILE - OLD CANTON ROAD  
(STA. 48+00 TO STA. 54+00)

ACAD PATH ROUTE	
W.E.I. JOB NO. C02-066	SHEET NO. C3.9



















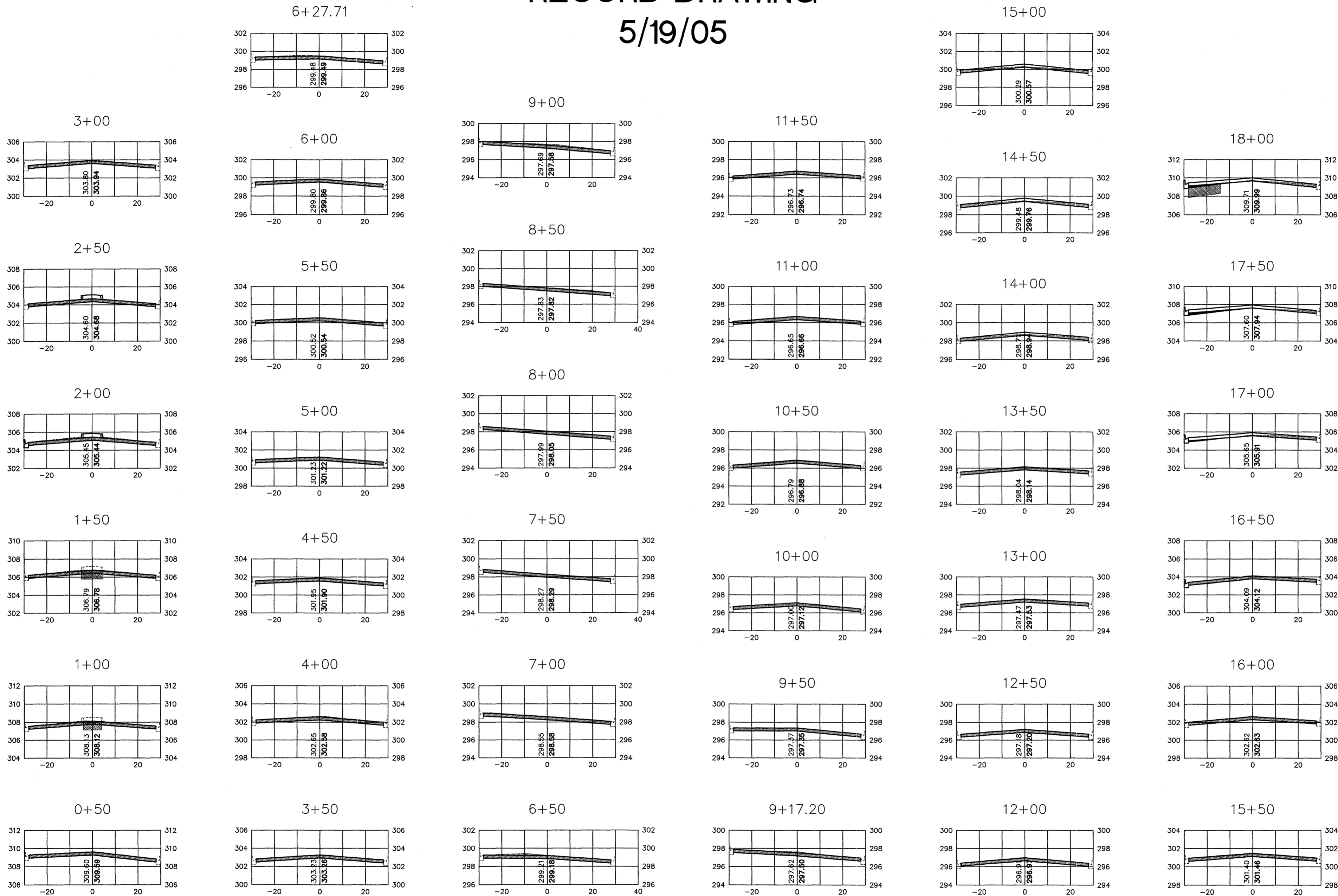




# RECORD DRAWING

## 5/19/05

**OLD CANTON ROAD REHABILITATION  
 RIDGELAND, MISSISSIPPI**



**LEGEND**

<ul style="list-style-type: none"> <li> - EXISTING CURB</li> <li> - NEW CURB</li> <li> - PAVEMENT REMOVAL</li> </ul>	<ul style="list-style-type: none"> <li> - MILLING</li> <li> - LEVELING</li> <li> - ASPHALT OVERLAY</li> </ul>
----------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------

DRAWING REVISIONS		
NO.	REMARKS	DATE

DRAWN BY: SM	SCALE: 1/8" = 1'-0"
DESIGNED BY: EE	DATE: 2/21/03
CHECKED BY: JB	PROJECT: 002-066
DRAWING TITLE:	

CROSS SECTIONS

SHEET NUMBER: **C5.1**



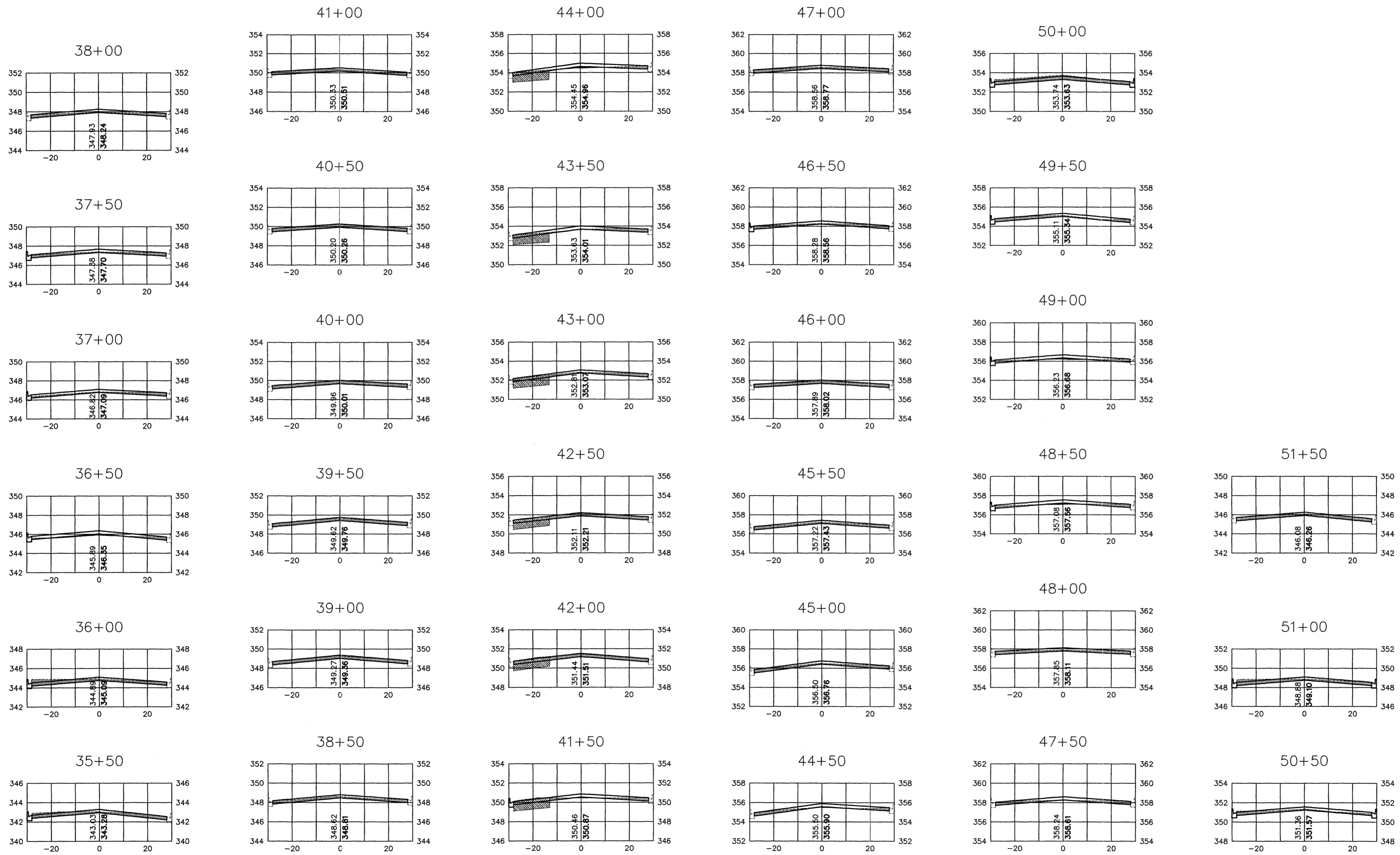




# RECORD DRAWING

## 5/19/05

**OLD CANTON ROAD REHABILITATION**  
**RIDGELAND, MISSISSIPPI**



**LEGEND**

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DRAWING REVISIONS		
NO.	REMARKS	DATE

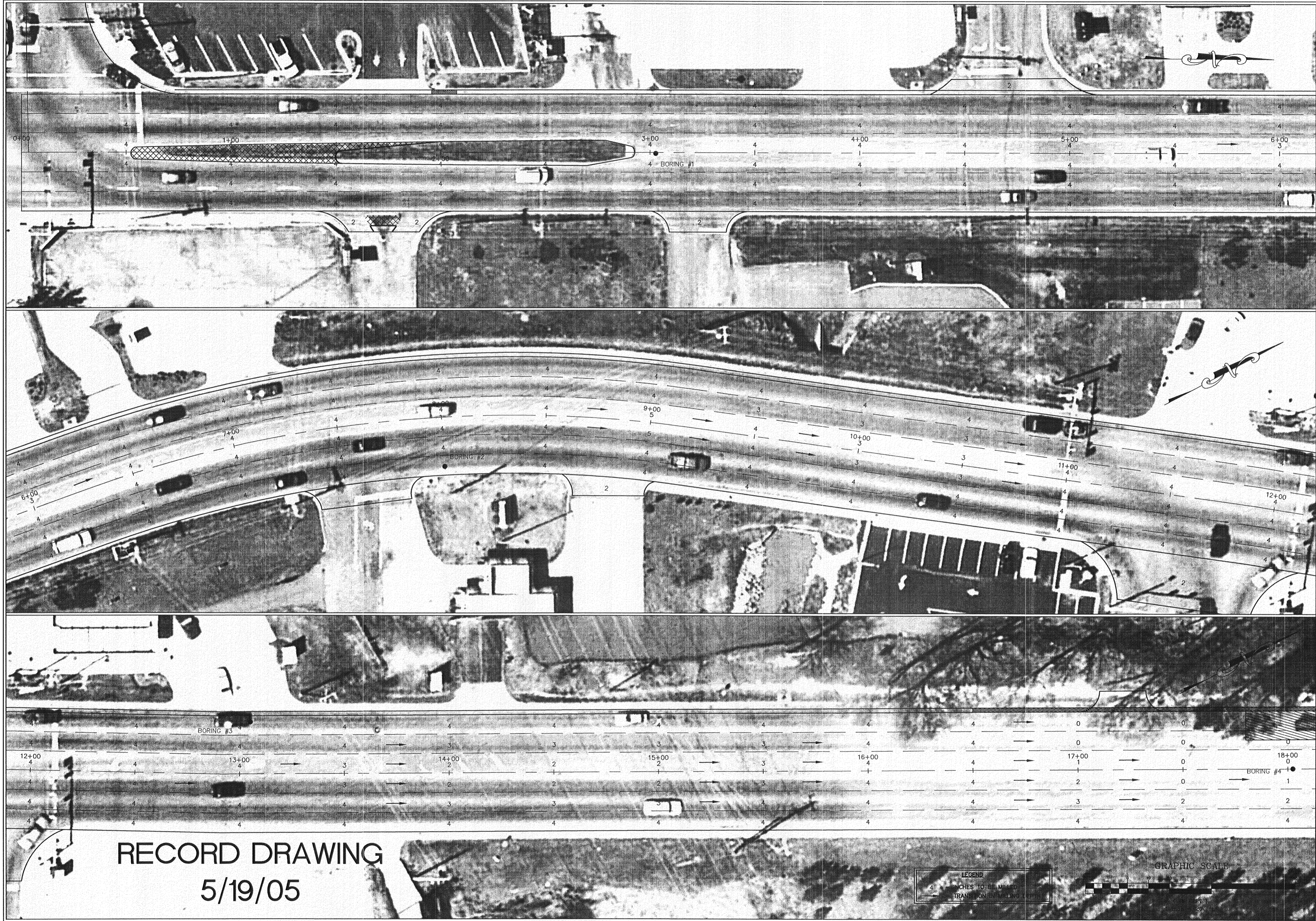
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DESIGNED BY: EE	DATE: 2/21/03
CHECKED BY: JB	PROJECT: 002-066
DRAWING TITLE:	

**CROSS SECTIONS**

C5.3



**OLD CANTON ROAD REHABILITATION  
RIDGELAND, MISSISSIPPI**



DRAWING REVISIONS		
NO.	REMARKS	DATE

SCALE: \_\_\_\_\_

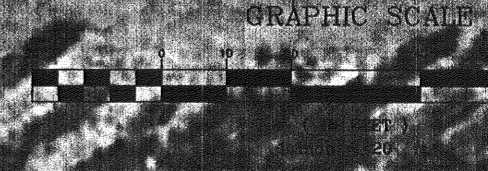
DRAWN BY: SM	SCALE: 1:20
DESIGNED BY: EE	DATE: 2/21/05
CHECKED BY: JB	PROJECT: C02-066
DRAWING TITLE:	

**MILLING PLAN**

SHEET NUMBER:  
**C6.1**

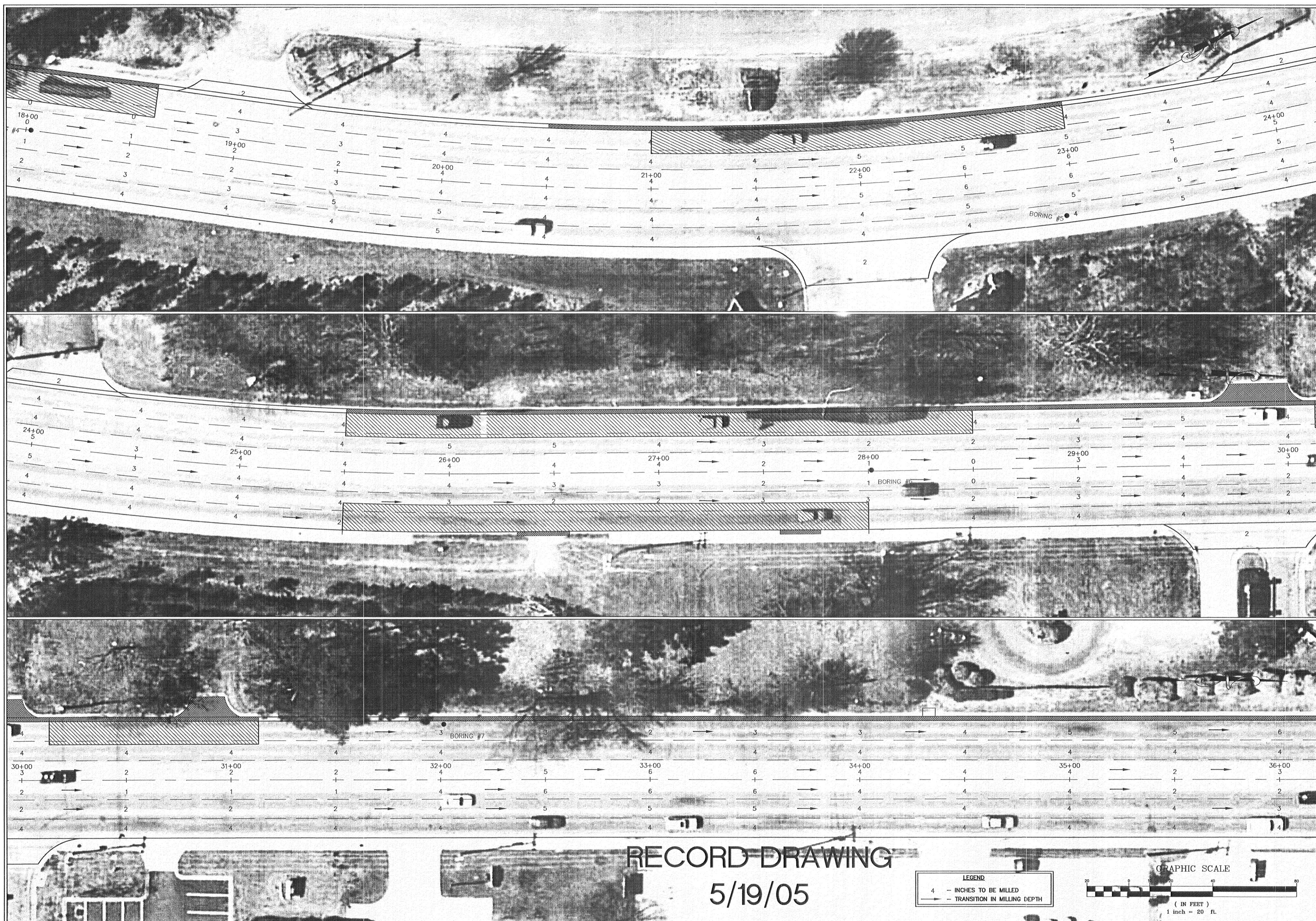
**RECORD DRAWING  
5/19/05**

LEGEND  
4 INCHES TO BE MILLED  
TRANSITION MILLING



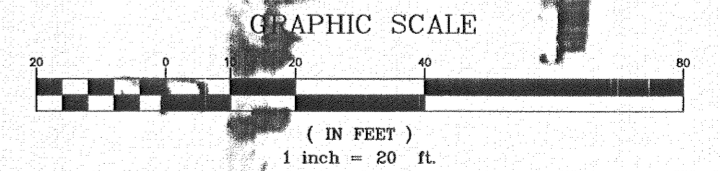


**OLD CANTON ROAD REHABILITATION  
RIDGELAND, MISSISSIPPI**



**RECORD DRAWING**  
**5/19/05**

LEGEND	
4	- INCHES TO BE MILLED
- - -	- TRANSITION IN MILLING DEPTH



DRAWING REVISIONS		
NO.	REMARKS	DATE

DESIGNED BY:	SM	SCALE:	1:20
CHECKED BY:	EE	DATE:	2/21/03
DRAWING TITLE:	JB	PROJECT:	002-066

**MILLING PLAN**  
SHEET NUMBER:  
**C6.2**

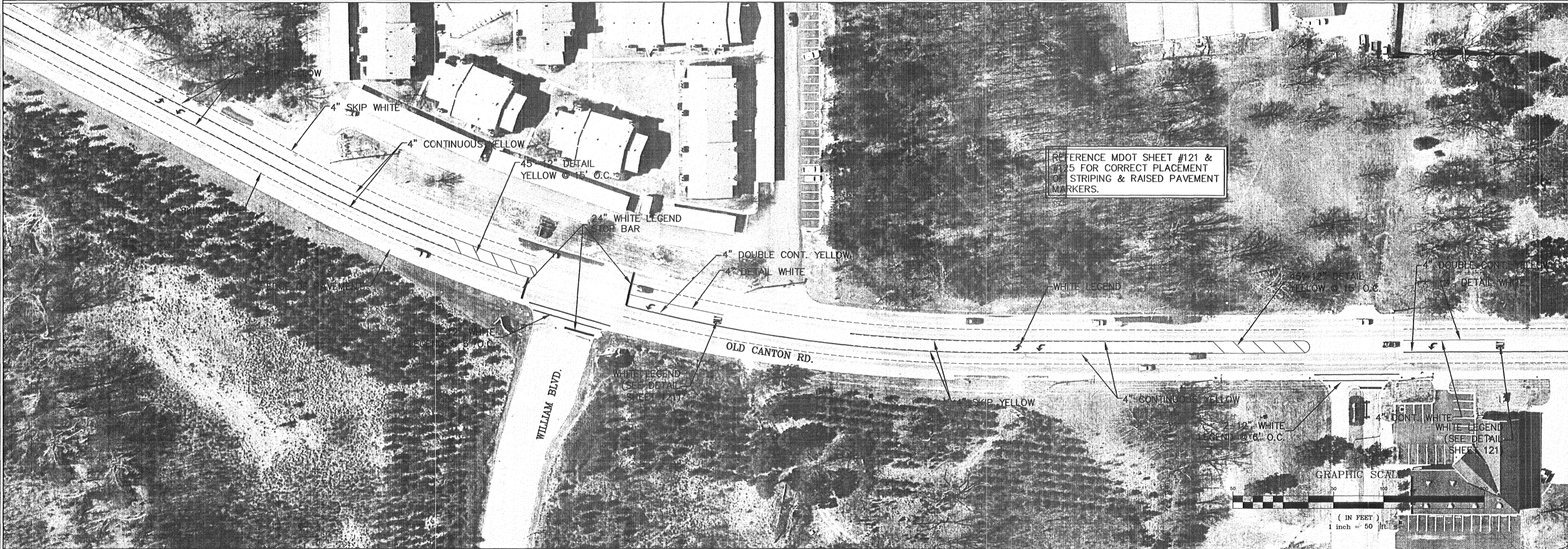
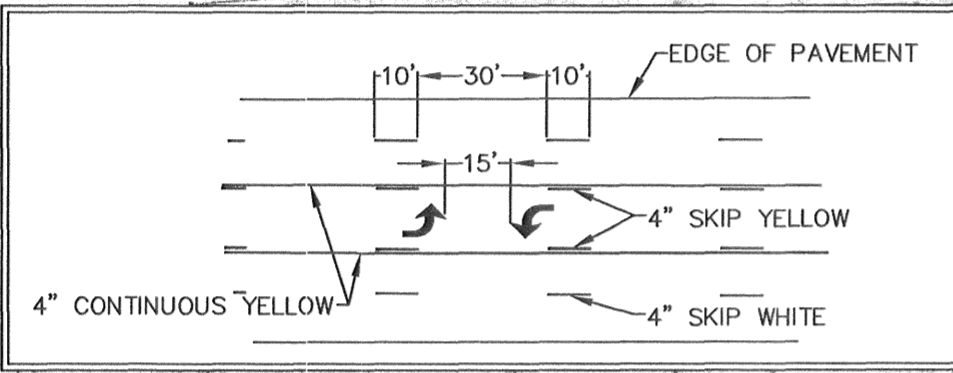
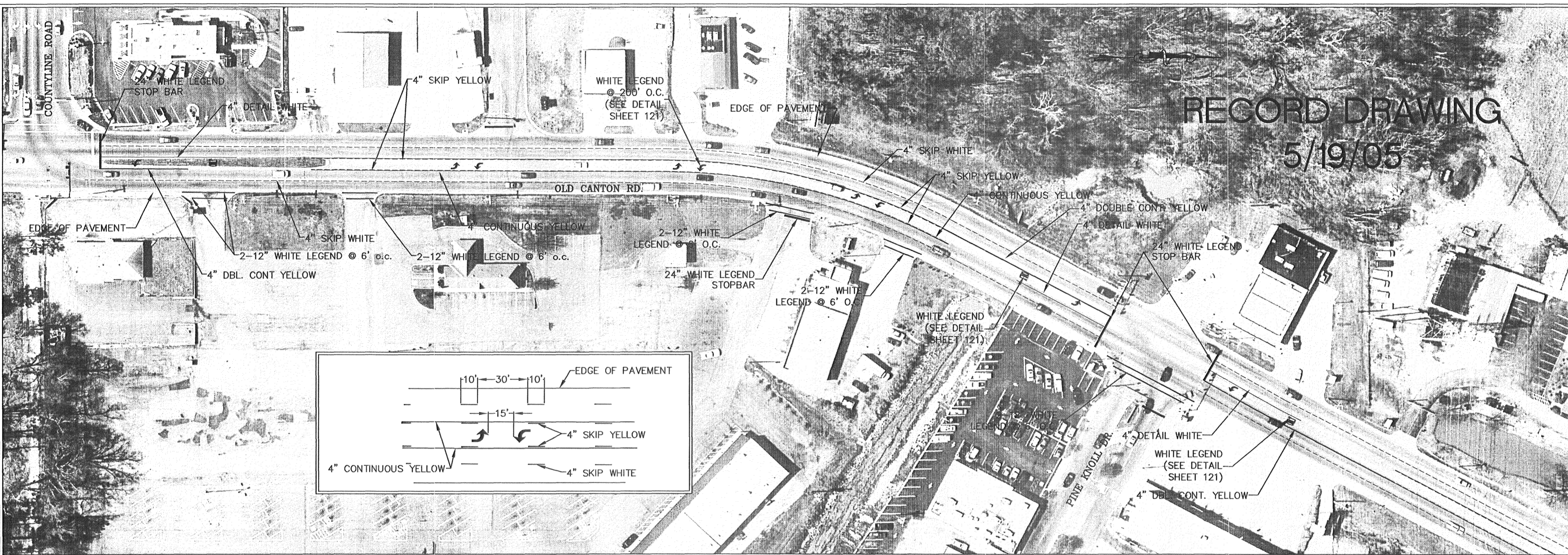




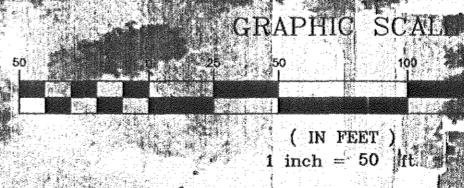


**RECORD DRAWING**  
**5/19/05**

**OLD CANTON ROAD REHABILITATION**  
**RIDGELAND, MISSISSIPPI**



REFERENCE MDOT SHEET #121 & #125 FOR CORRECT PLACEMENT OF STRIPING & RAISED PAVEMENT MARKERS.



DRAWING REVISIONS		
NO.	REMARKS	DATE

DRAWN BY: SH SCALE: 1"=50'  
DESIGNED BY: EJ DATE: 2/21/03  
CHECKED BY: AJ PROJECT: C02-066  
DRAWING TITLE:

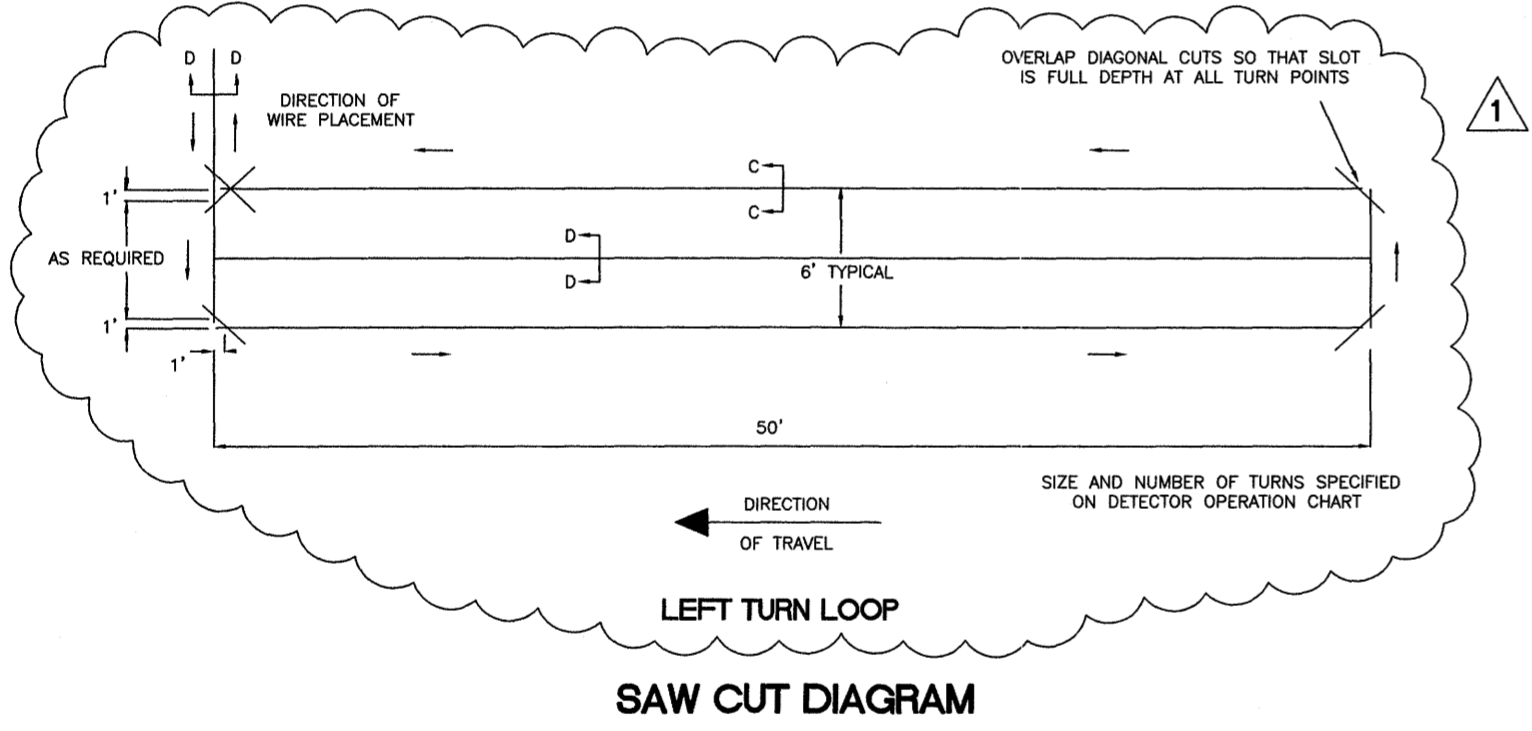
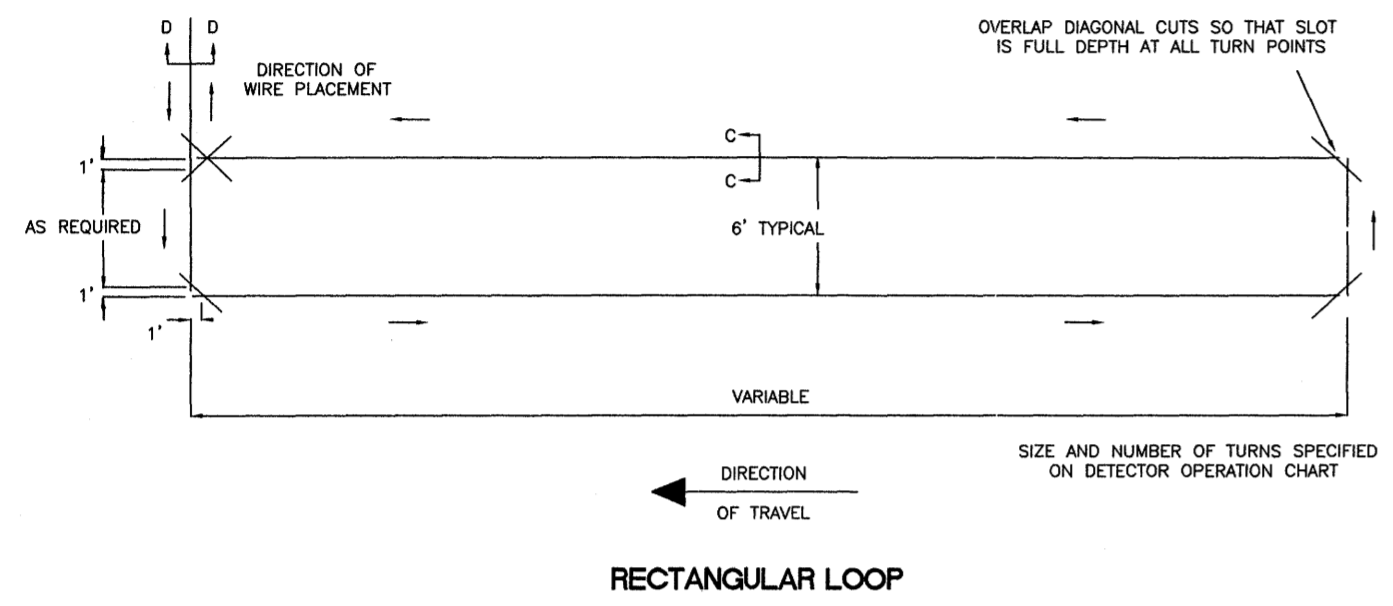
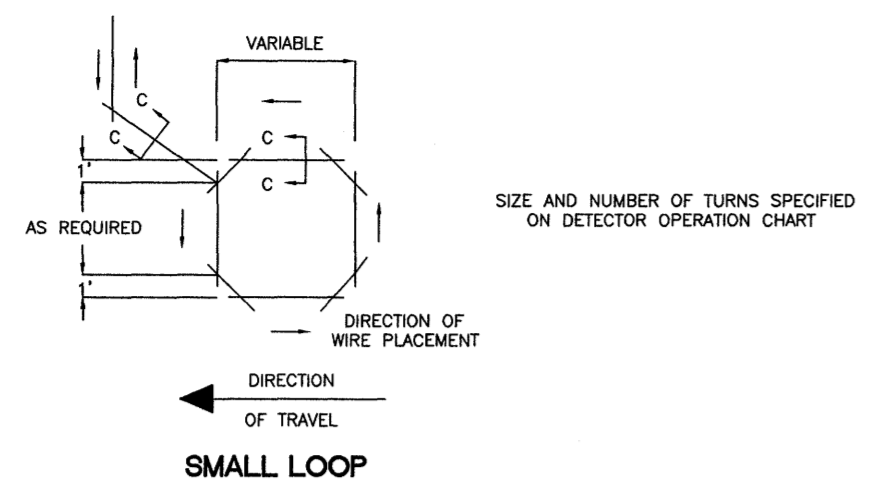
**STRIPING**  
**LAYOUT PLAN**

SHEET NUMBER:  
**C7.1**





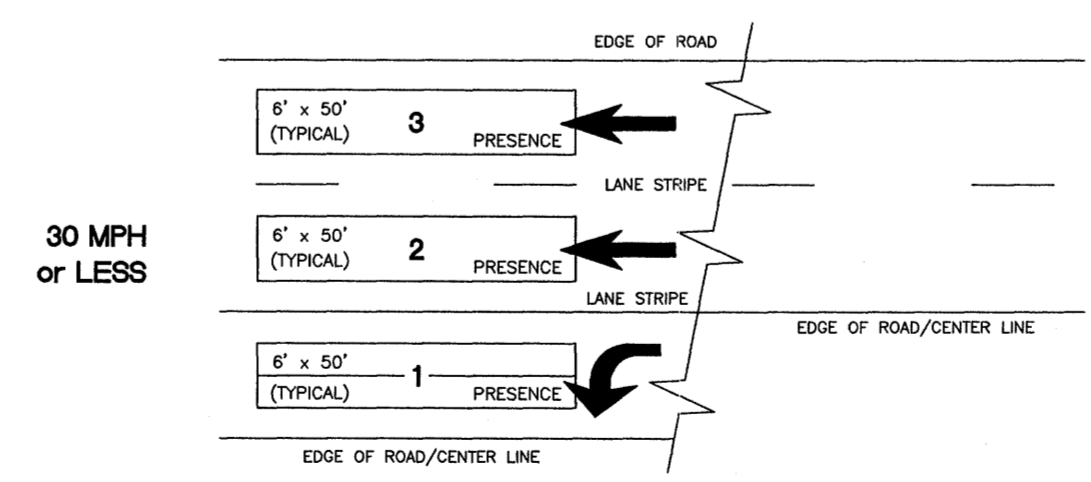
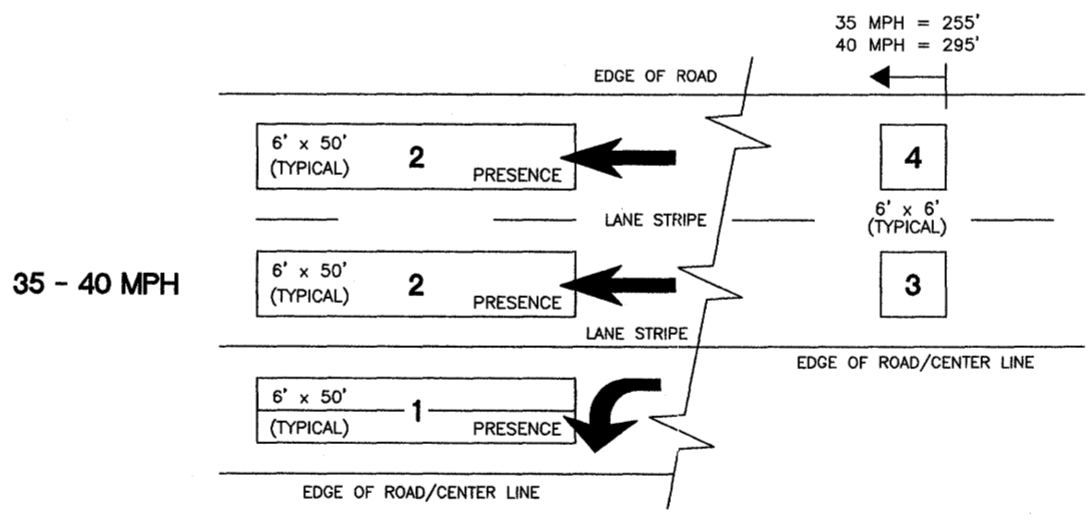
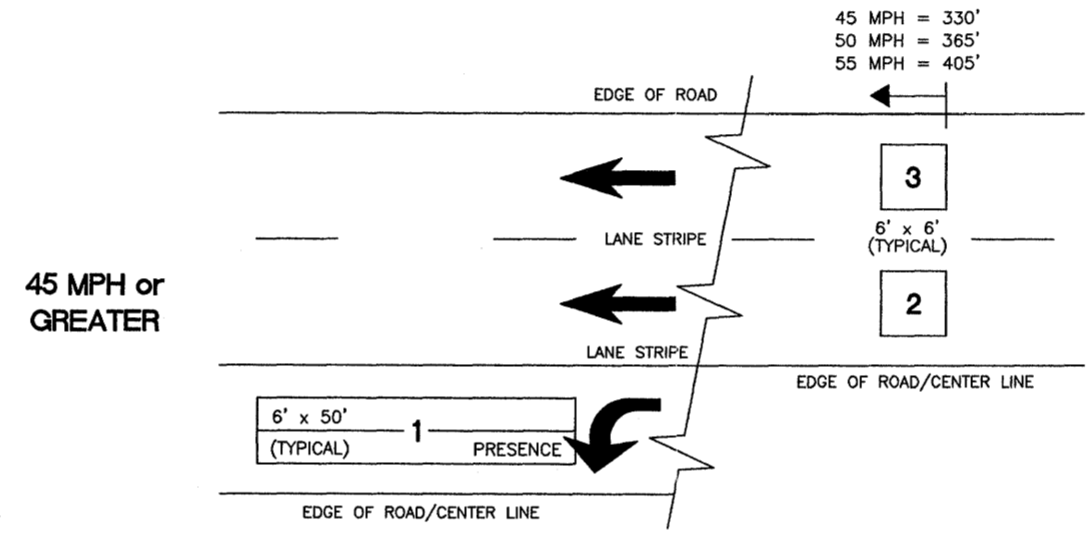
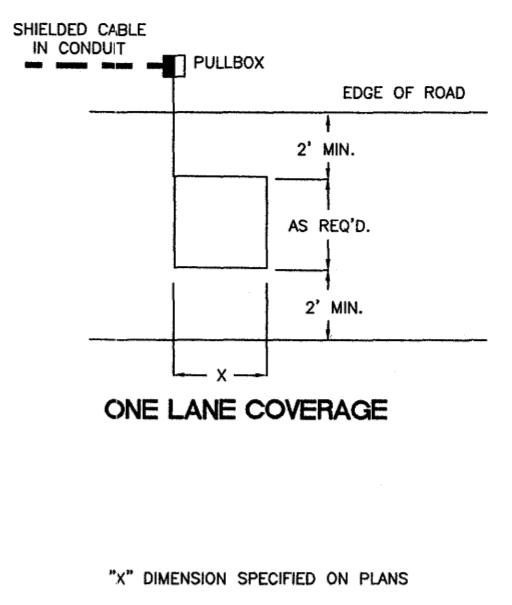
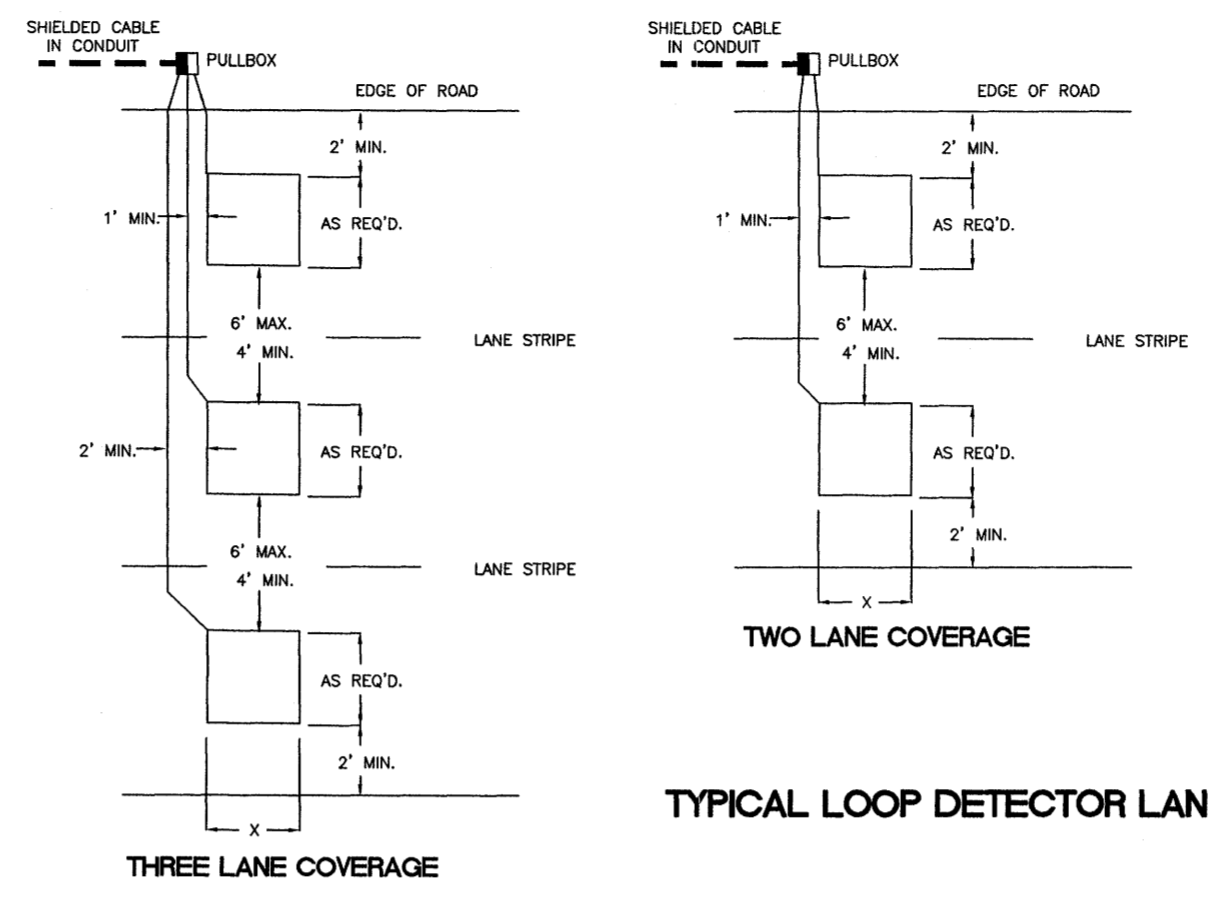




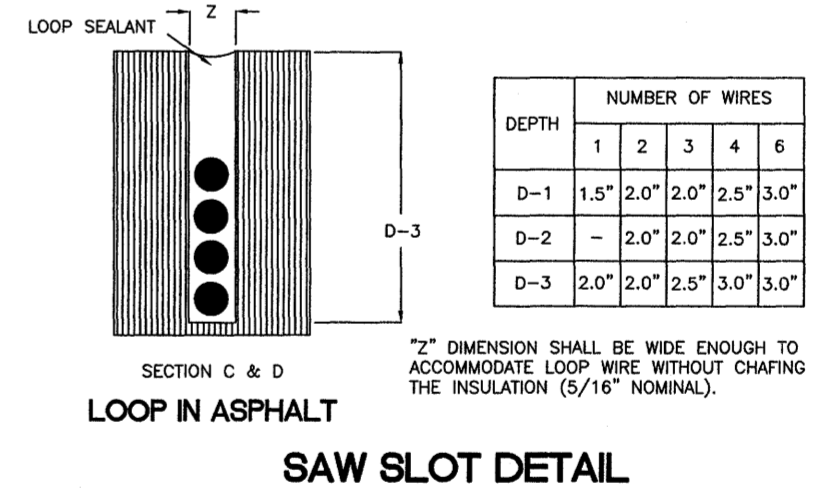
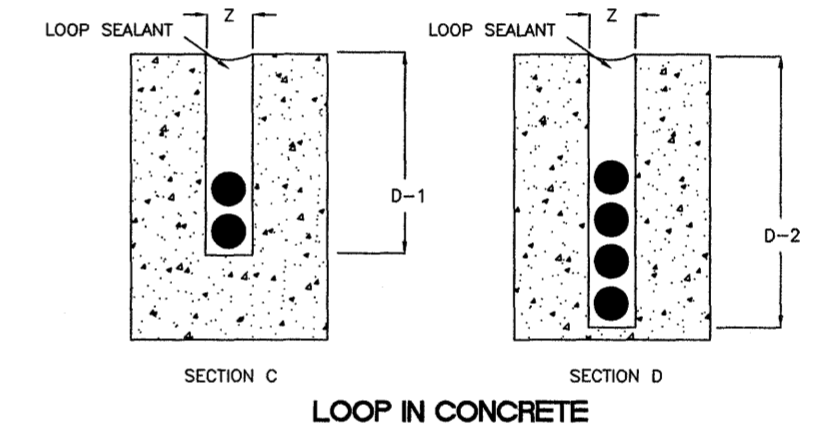
**SAW CUT DIAGRAM**

**SAW SLOT AND LOOP WIRE INSTALLATION PROCEDURES**

- CONCRETE PAVEMENT JOINTS SHALL NOT BE USED FOR EITHER LOOP OR FEEDER WIRE. NO LOOPS ARE TO BE INSTALLED THROUGH, OVER, OR UNDER TRANSVERSE CONCRETE JOINTS IN CONCRETE PAVEMENT. NO MANHOLES, INLETS, VALVES, ETC. MAY BE LOCATED WITHIN A LOOP. IF JOINTS OR MANHOLES ARE ENCOUNTERED, THE LOCATION OF THE LOOP MAY BE VARIED SLIGHTLY AS DIRECTED BY THE ENGINEER. IF THE JOINTS OR MANHOLES ARE UNAVOIDABLE, SMALLER LOOPS, THE SIZE TO BE DETERMINED BY THE ENGINEER, MAY BE USED INSTEAD OF ONE LARGER LOOP AND SHALL PROVIDE THE SAME AREA OF COVERAGE AS THE LARGE LOOP. THE SMALLER LOOPS USED TO REPLACE THE ONE LARGE LOOP MAY BE CONNECTED TO ONE DETECTOR AMPLIFIER.
- WHEN A BEND OR CORNER IS REQUIRED THE SLOTS PRODUCING THE "WOULD-BE" RIGHT ANGLE SHALL NOT OVERLAP.
- WHEN A BEND OR CORNER IS REQUIRED THE SLOTS PRODUCING THE ANGLES APPROXIMATELY 45° SHALL OVERLAP THE SLOTS IT CONNECTS. THIS IS TO INSURE FULL DEPTH OF SLOTS AT BENDS OR CORNERS.
- ALL CORNERS OF THE LOOP SHALL BE CUT AT A 45° ANGLE AND HAVE A MINIMUM DIAGONAL LENGTH OF 16".
- SAW CUTS IN THE PAVEMENT SHALL BE FLUSHED WITH CLEAN WATER UNDER SUFFICIENT PRESSURE TO REMOVE MUD AND SMALL DEBRIS. SAW CUTS SHALL THEN BE DRIED AND CLEANED OF ALL DEBRIS BEFORE INSTALLING THE LOOP WIRE.
- ONE CONTINUOUS, UNBROKEN LENGTH OF WIRE SHALL BE USED TO FORM A LOOP OF THE NUMBER OF TURNS AS SPECIFIED IN THE PLANS. THE CONTINUOUS RUN SHALL BE FROM THE PULLBOX/CONDUIT INCLUDING THE LOOP AND RETURN.
- ALL WIRE SHALL BE PUSHED INTO THE SAW CUT WITH WOOD STICKS TO INSURE THE INSULATION IS NOT DAMAGED. THE USE OF METAL TOOLS IS NOT PERMITTED.
- SPLICE BETWEEN LEAD-IN AND SHIELDED CABLE REQUIRED IN PULLBOX OR CONDUIT. ALL SPLICES IN THE LEAD-IN WIRE SHALL BE MADE ONLY IN THE PULLBOX OR CONDUIT. ALL SPLICES MUST BE CAREFULLY MADE TO INSURE CONSTANT LOW RESISTANCE AND MUST BE INSULATED IN SUCH A MANNER THAT UNDER THE LOCAL PREVAILING CONDITIONS THE INSTALLATION MAINTAINS A RESISTANCE TO GROUND OF NOT LESS THAN 5 MEGAOHMS. TO INSURE CONSISTENT LOW RESISTANCE CONNECTIONS, THE SPLICES SHALL BE SOLDERED WITH RESIN FILLED SOLDER AND WATERPROOFED BY SHRINK WRAP OR BY OTHER METHOD APPROVED BY THE ENGINEER. OPEN FLAME SOLDER SHALL NOT BE PERMITTED.
- WHERE THE WIRES LEAVE THE LOOP, EACH PAIR OF LEAD-IN WIRES MUST BE TWISTED TOGETHER WITH A MINIMUM OF THREE TWISTS PER FOOT.
- IF THE LEAD-IN IS TAKEN OVERHEAD THE WIRE MUST BE PROTECTED BY CONDUIT (TYPE I) FROM UNDERGROUND TO SPAN.
- WHEN A PULLBOX IS NOT USED IN THE LEAD-IN (THE WIRE WHICH CONNECTS THE SENSING LOOP TO THE DETECTOR AMPLIFIER), THE LOOP WIRE SHALL BE TWISTED A MINIMUM OF THREE TURNS PER FOOT FROM THE LOOP TO THE DETECTOR AMPLIFIER.



**TYPICAL LOOP DETECTOR PLACEMENT DIAGRAM**  
3 = CHANNEL NUMBER  
AMP 1-02, AMP 2-04, AMP 3-06, AMP 4-08  
MPH IS BASED ON SPEED LIMIT ALL DISTANCES FROM STOPLINE



DEPTH	NUMBER OF WIRES					
	1	2	3	4	5	6
D-1	1.5"	2.0"	2.0"	2.5"	3.0"	
D-2	-	2.0"	2.0"	2.5"	3.0"	
D-3	2.0"	2.0"	2.5"	3.0"	3.0"	

"Z" DIMENSION SHALL BE WIDE ENOUGH TO ACCOMMODATE LOOP WIRE WITHOUT CHAFING THE INSULATION (5/16" NOMINAL).

**RECORD DRAWING**  
**5/19/05**

DRAWING REVISIONS		
NO.	REMARKS	DATE
1	ADDENDUM	3/23/04

DRAWN BY:	SM	SCALE:	NTS
DESIGNED BY:	EE	DATE:	2/21/05
CHECKED BY:	JB	PROJECT:	002-066
DRAWING TITLE:			

**VEHICLE LOOP -  
DETECTOR ASSEMBLY  
DETAILS**

SHEET NUMBER:  
**C8.1**



