

**County Engineer  
Environmental Engineer  
Building Department**  
233 W. Sixth Street  
Marysville, Ohio 43040  
P 937. 645. 3018  
F 937. 645. 3161  
[www.co.union.oh.us/engineer](http://www.co.union.oh.us/engineer)

**Marysville Operations Facility**  
16400 County Home Road  
Marysville, Ohio 43040  
P 937. 645. 3017  
F 937. 645. 3111

**Richwood Outpost**  
190 Beatty Avenue  
Richwood, Ohio 43344

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*Public Service with integrity*

**ADDENDUM #1**

FROM: Union County Engineers Office  
Tom Messerly

DATE: March 22, 2019

RE: **2019 Union County Pavement Marking Bid PID 99913**

PAGES (including cover): 37

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This addendum supplements and amends the original Bid Packet issued and shall be taken into account in preparing proposals, and shall become a part of the Contract Documents.

1. See attached Final Plan Set for your reference.

**Please note and sign the bottom portion of 6.7 of the bid packet proposal acknowledging that this Addendum was received.**

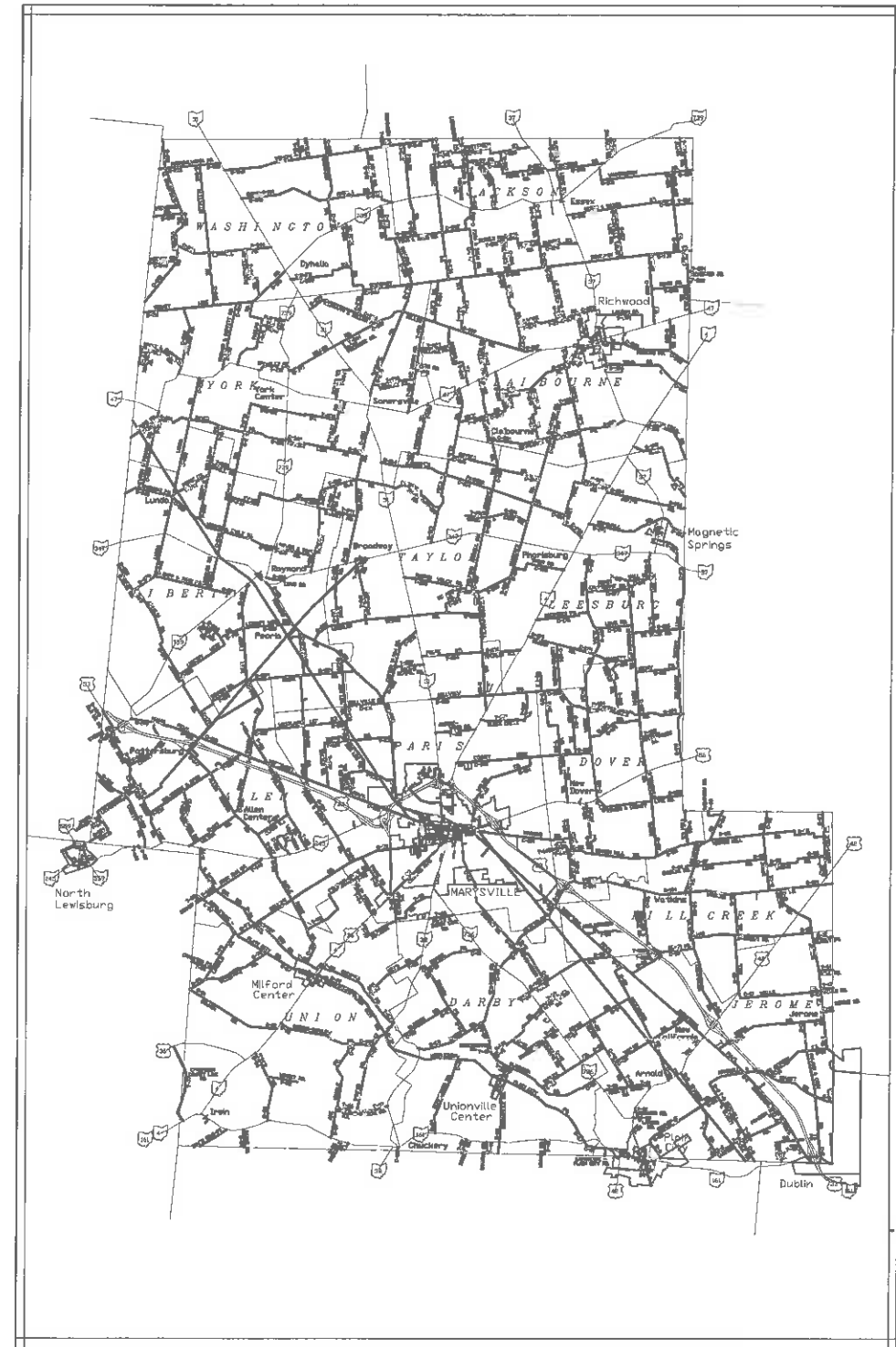
STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION  
**2019 UNION COUNTY  
PAVEMENT MARKING  
PROGRAM**  
ALLEN, CLAIBOURNE, DARBY,  
DOVER, LIBERTY,  
MILLCREEK, PARIS, TAYLOR, UNION,  
WASHINGTON, YORK, TOWNSHIPS  
UNION COUNTY



INDEX OF SHEETS

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UNDERGROUND UTILITIES  
TWO WORKING DAYS  
**BEFORE YOU DIG**  
CALL 1-800-362-2764 (TOLL FREE)  
OHIO UTILITIES PROTECTION  
SERVICE  
Non-members must be called directly



LOCATION MAP



DESIGN EXCEPTIONS  
NONE

PLAN PREPARED BY:  
UNION COUNTY ENGINEER  
233 WEST SIXTH ST.  
MARYSVILLE, OHIO 43040  
(937)-645-3018

ENGINEER'S SEAL  
  
SIGNED:   
DATE: 1/14/19

STANDARD CONSTRUCTION DRAWINGS		SUPPLEMENTAL SPECIFICATIONS	
		800-2018	10-19-18
MT-97.10	07-18-14		
MT-99.20	07-21-17		

PROJECT DESCRIPTION

THIS PROJECT IS A COUNTY-WIDE PAVEMENT MARKING PROJECT ON VARIOUS COUNTY ROADS WITHIN UNION COUNTY.

2016 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND SPECIFICATIONS.

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ UNION COUNTY COMMISSIONER

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ UNION COUNTY COMMISSIONER

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ UNION COUNTY COMMISSIONER

APPROVED   
DATE 1/14/19 UNION COUNTY ENGINEER

FEDERAL PROJECT No. E150(518)  
PID No. 99913  
LPA AGREEMENT NO. 26978  
RAILROAD INVOLVEMENT NONE  
UNI-VARIOUS-2019PM  
1/36

**ITEM 614- MAINTAINING TRAFFIC**

TRAFFIC SHALL BE MAINTAINED AT ALL TIMES AND ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF ITEM 614 OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, ODOT STANDARD CONSTRUCTION DRAWINGS MT97.1D AND MT99.2D SHALL BE FOLLOWED AT ALL TIMES WHERE APPLICABLE. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**ITEM 624 - MOBILIZATION, AS PER PLAN**

THE CONTRACTOR SHALL ADVISE THE UNION COUNTY ENGINEER AT 937-645-3018 FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL IMMEDIATELY INFORM THE UNION COUNTY ENGINEER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION PROJECT. THE PROJECT ENGINEER WILL PROVIDE CLARIFICATION FOR ANY QUESTIONS ABOUT THIS NOTIFICATION REQUIREMENT.

**PROTECTION OF WATER QUALITY**

NO TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, PAINT, SOLVENTS, CLEANING AGENTS, EARTHEN MATERIALS, WASTE-WATER, FUELS, OR DEBRIS OF ANY KIND SHALL BE DISCHARGED TO ANY STREAMS, DRAINAGE COURSES OR BODIES OF WATER. ALL ASPHALT OR CONCRETE GRINDINGS OR ANY OTHER DEBRIS GENERATED SHALL NOT BE DISPOSED OF WITHIN A FLOODPLAIN BELOW THE 100-YEAR FLOOD ELEVATION. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT ANY LIQUIDS USED IN PAVEMENT MARKINGS FROM ENTERING STREAMS, WETLANDS OR OTHER "WATERS OF THE UNITED STATES" AND TAKE THE APPROPRIATE ACTIONS IN THE EVENT OF A RELEASE.

Road	CR 16	CR 38	CR 57	CR 73	CR 78	CR 9	CR 13	CR 15	CR 2	CR 22	CR 96	CR 108	CR 132	CR 168	CR 311	CR 253	CR 179	CR 265	CR 191	CR 133	EXT.	ITEM	GRAND TOTAL	UNIT	ITEM DESCRIPTIONS
Sheet	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	6					
Base/Altern.	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Base Bid	Alt. #1	Alt. #1	Alt. #1	Alt. #1	Alt. #2					
	3.041	3.129	3.279	3.168	4.704	2.097	0.277	0.545	0.377	3.540	2.156	1.379	2.924	0.422	4.208					5.18	00300	648	40.426	MILE	CENTER LINE
	6.082					0	0.554	1.09		0	4.312	0	5.848	0.844	8.416						00100	648	27.146	MILE	EDGE LINE, 4"
		6.258	6.558	6.336	9.408				0.754											10.36	00104	648	39.674	MILE	EDGE LINE, 6"
																0.848	4.32	1.962	7.378		00290	642	14.508	MILE	CENTER LINE
																1.696	8.64	3.924			00090	642	14.260	MILE	EDGE LINE, 4"
																			14.756		00094	642	14.756	MILE	EDGE LINE, 6"
																	800			1090	00690	642	1890	FEET	TRANSVERSE/DIAGONAL LINE
																	900			2150	00390	642	3050	FEET	CHANNELIZING LINE, 8"
	24	20	10	20	20		10	10	10	24	10	20	10	12	10	10	20	10	10		00490	642	260	FEET	STOP LINE
						40															00590	642	40	FEET	CROSSWALK LINE
																	2				00990	642	2	EACH	RAILROAD SYMBOL MARKING
								1													00090	642	1	EACH	SCHOOL SYMBOL MARKING, 72"
																	3			10	01390	642	13	EACH	WORD ON PAVEMENT, 72" (ONLY)
																	1			18	01290	642	19	EACH	LANE ARROW
																					11000	614	1	LUMP	MAINTAINING TRAFFIC
																					10001	624	1	LUMP	MOBILIZATION, AS PER PLAN

CALCULATED  
TM  
CHECKED  
JS

GENERAL SUMMARY & NOTES

UNI-VARIOUS-2019 PM



SHEET	ROUTE & SECTION	FROM	TO	ITEM DESCRIPTION	HIGHWAY MILES	ITEM 648				ITEM 642															
						CENTER LINE		EDGE LINE		LANE LINE 4 INCH	AUXILIARY MARKINGS						LEFT ARROWS								
						4 INCH	EQUIV SOLID LINE	WHITE 4 Inch	WHITE 6 Inch		TRANSVERSE LINE 24 INCH		CHANNEL LINE	STOP BAR	CROSS WALK LINE	RR SYMBOL MARKS	WORD "SCHOOL"	WORD "ONLY"	LEFT RIGHT	LEFT RIGHT THROUGH	THROUGH				
											WHITE	YELLOW										WORD "SCHOOL"	WORD "ONLY"	LEFT RIGHT	LEFT RIGHT THROUGH
MILES	MILES	MILES	MILES	MILES	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	EACH	EACH											
	C 22 A-B	0.000	2.010	US 42 - Derio Rd	2.010	2.01	1.989							12											
	C	2.010	2.298	Derio Rd - Harriott Rd	0.288	0.288	0.282																		
	D	2.298	3.540	Harriott Rd - Watkins Rd	1.242	1.242	1.035							12											
				<b>WATKINS - CALIFORNIA RD TOTALS</b>	<b>3.540</b>	<b>3.54</b>	<b>3.306</b>	<b>0</b>						<b>24</b>											
	C 96 A	0.000	0.680	Watkins Rd - Brown Rd	0.680	0.680	0.990	1.360						10											
	A	0.680	0.862	Brown Rd - Long Rd	0.182	0.182	0.364	0.364																	
	B	0.862	1.531	Long Rd - Hinton Mill Rd	0.669	0.669	1.125	1.338																	
	C	1.531	2.156	Hinton Mill Rd - DEL/UNI Cnty Line	0.625	0.625	1.250	1.250																	
				<b>STATE RD TOTALS</b>	<b>2.156</b>	<b>2.156</b>	<b>3.729</b>	<b>4.312</b>						<b>10</b>											
	C 108	0.000	1.379	Hinton Mill Rd - US 36	1.379	1.379	1.706	0						20											
				<b>MYERS RD TOTALS</b>	<b>1.379</b>	<b>1.379</b>	<b>1.706</b>	<b>0.000</b>						<b>20</b>											
	C 132 - A	0.748	1.983	Simmons Ln - Waldo Rd	1.235	1.235	0.667	2.470																	
	B-C	1.983	2.813	Waldo Rd - Pine Lane	0.830	0.830	0.331	1.660																	
	D	2.813	2.898	Pine Lane - Mackan Rd	0.085	0.085	0.170	0.170																	
	E	2.898	3.241	Mackan Rd - Easton Rd	0.343	0.343	0.686	0.686																	
	F	3.241	3.672	Easton Rd - White Stone Rd	0.431	0.431	0.566	0.862						10											
				<b>COUNTY HOME RD TOTALS</b>	<b>2.924</b>	<b>2.924</b>	<b>2.420</b>	<b>5.848</b>						<b>10</b>											
	C 168 - A	0.000	0.266	Logan Co Line - West Darby Rd.	0.266	0.266	0.532	0.532																	
	B	0.266	0.422	West Darby Rd. - SR287	0.156	0.156	0.305	0.312						12											
				<b>STOKES RD TOTALS</b>	<b>0.422</b>	<b>0.422</b>	<b>0.837</b>	<b>0.844</b>						<b>12</b>											
	C 311 - A	0.000	1.086	LOG/UNI Cnty LINE - January Rd	1.086	1.086	0.546	2.172																	
	B	1.086	1.918	January Rd - Wellwood Rd	0.832	0.832	0.652	1.664																	
	C	1.918	2.547	Wellwood Rd - Hoover Moffitt Rd	0.629	0.629	0.282	1.258																	
	D	2.547	2.997	Hoover Moffitt Rd - Phelps Rd	0.450	0.450	0.389	0.900																	
	E	2.997	3.213	Phelps Rd - Middlesworth Rd	0.216	0.216	0.431	0.432																	
	F	3.213	4.208	Middlesworth Rd - SR 31	0.995	0.995	0.558	1.990						10											
				<b>TREATY LINE RD TOTALS</b>	<b>4.208</b>	<b>4.208</b>	<b>2.858</b>	<b>8.416</b>						<b>10</b>											
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>					<b>14.629</b>	<b>14.856</b>	<b>19.420</b>							<b>86</b>					<b>0</b>						

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GENERAL SUMMARY DETAIL

UNI-VARIOUS-2019 PM

4/36

SHEET	ROUTE & SECTION	FROM	TO	ITEM DESCRIPTION	HIGH-WAY MILES	ITEM 642																	CALCULATED	TM	CHECKED	JS				
						CENTER LINE		EDGE LINE		LANE LINE 4 INCH	TRANSVERSE LINE 24 INCH			CHANNEL LINE	STOP BAR	CROSS WALK LINE	RR SYMBOL MARKS	WORD "SCHOOL"	WORD "ONLY"	LEFT ARROWS										
						4 INCH	EQUIV SOLID LINE	WHITE 4 Inch	WHITE 6 Inch		INCH		LIN FT							LIN FT	LIN FT	EACH					EACH	EACH	EACH	EACH
											WHITE	YELLOW																		
MILES	MILES	MILES	MILES	MILES	WHITE	YELLOW	LIN FT	LIN FT	LIN FT	EACH	EACH	EACH		EACH	EACH															
				ADDITIVE ALTERNATE BID (#1)																										
C 253		0.000	0.281	Rapp Dean Rd - Honda Plant Ent (Gate T)	0.281	0.281	0.553	0.562																						
		0.281	0.848	Honda Plant Ent (Gate T) - LOG/UNI Cnty Line	0.567	0.567	0.206	1.134				10																		
				ROGERS RD TOTALS	0.848	0.848	0.759	1.696				10																		
C 179 A-C		0.000	2.101	Rapp Dean Rd - SR 739	2.101	2.101	2.177	4.202				10																		
	D	2.101	2.665	SR 739 - Liberty West Rd	0.564	0.564	1.226	1.128																						
	E-G	2.665	3.840	Liberty West Rd - Benton Rd	1.175	1.175	1.290	2.350						1																
	H	3.840	4.305	Benton Rd - Railroad RxR	0.465	0.465	0.514	0.930						1																
	H	4.309	4.324	Railroad RxR - Darby Pottersburg Rd	0.015	0.015	0.029	0.030				10																		
				JOHNSON RD TOTALS	4.320	4.320	5.236	8.640		800		900		20		2			3		1									
C 265 - A		0.687	2.067	Richwood East Corp - Sivey Rd	1.380	1.380	1.259	2.760																						
	B	2.067	2.649	Sivey Rd - SR 4	0.582	0.582	0.345	1.164				10																		
				HOSKINS RD TOTALS	1.962	1.962	1.604	3.924				10																		
C 191 - A		0.000	1.362	SR 347 - Liberty West Rd	1.362	1.362	2.714	2.724				10																		
	B	1.362	1.539	Liberty West Rd - Peoria Loop Rd	0.177	0.177	0.354	0.354																						
	B	1.539	1.654	Peoria Loop Rd - Paverbarnes Rd	0.115	0.115	0.230	0.230																						
	C	1.654	2.121	Paverbarnes Rd - Wheeler Green Rd	0.467	0.467	0.819	0.934																						
	D	2.121	2.967	Wheeler Green Rd - Dog Leg Rd	0.846	0.846	1.481	1.692																						
	E-F	2.967	3.512	Dog Leg Rd - Shirk Rd	0.545	0.545	0.618	1.090																						
	G	3.512	4.586	Shirk Rd - Cotton Slash Rd	1.074	1.074	1.494	2.148																						
	H	4.586	4.690	Cotton Slash Rd - Bellville Rd	0.104	0.104	0.208	0.208																						
	I	4.690	5.626	Bellville Rd - Barker Rd	0.936	0.936	1.872	1.872																						
	J	5.626	6.788	Barker Rd - Dog Leg Rd	1.162	1.162	1.776	2.324																						
	K	6.788	7.209	Dog Leg Rd - Mill Rd	0.421	0.421	0.842	0.842																						
	L	7.209	7.378	Mill Rd - Marysville Corp	0.169	0.169	0.338	0.338																						
				RAYMOND RD TOTALS	7.378	7.378	12.746	14.756				10																		
Various Locations				MISCELLANEOUS TOTALS																										
TOTALS CARRIED TO GENERAL SUMMARY						14.508	20.345	14.260	14.756		800		900	50		2		0	3	1										

GENERAL SUMMARY DETAIL

UNI-VARIOUS-2019 PM

SHEET	ROUTE & SECTION	FROM	TO	ITEM DESCRIPTION	HIGH-WAY MILES	ITEM 648				ITEM 642																
						CENTER LINE		EDGE LINE		LANE LINE 4 INCH	TRANSVERSE LINE 24 INCH		CHANNEL LINE	STOP BAR	CROSS WALK LINE	RR SYMBOL MARKS	WORD "SCHOOL"	WORD "ONLY"	LEFT ARROWS							
						4 INCH	EQUIV SOLID LINE	WHITE 4 Inch	WHITE 6 Inch		WHITE	YELLOW							LEFT RIGHT	LEFT RIGHT THROUGH	THROUGH					
						MILES	MILES	MILES	MILES		LIN FT	LIN FT							LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	EACH	EACH
		SLM	SLM	ADDITIVE ALTERNATE BID (#2)																						
C 133 - A		0.000	0.098	Honda Pkwy - Darby Pottersburg	0.098	0.098	0.182	0.196																		
B		0.098	1.286	Darby Pottersburg - Holycross Epps	1.188	1.188	0.696	2.376																		
C		1.286	1.554	Holycross Epps - Bear Swamp	0.268	0.268	0.658	0.536																		
D		1.554	2.089	Bear Swamp - Poling	0.535	0.535	1.152	1.070																		
E		2.089	2.938	Poling - Paver Barnes	0.849	0.849	0.855	1.698																		
F		2.938	3.181	Poling - Paver Barnes	0.243	0.243	0.532	0.486																		
G		3.181	3.806	Paver Barnes - Barker	0.625	0.625	0.812	1.250																		
H		3.806	4.459	Barker - Cradler Turner	0.653	0.653	0.742	1.306																		
I		4.459	5.180	Cradler Turner - Marysville Corp.	0.721	0.721	0.516	1.442																		
<b>NORTHWEST PARKWAY TOTALS</b>					5.180	5.180	6.145	10.360	1090	2150								10	18							
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>					5.180	6.145	10.360	1090	2150									10	18							
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>					54.934	69.882	41.406	54.430	1890	3050	260	40	2				1	13	19							

CALCULATED  
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GENERAL SUMMARY DETAIL

UNI-VARIOUS-2019 PM





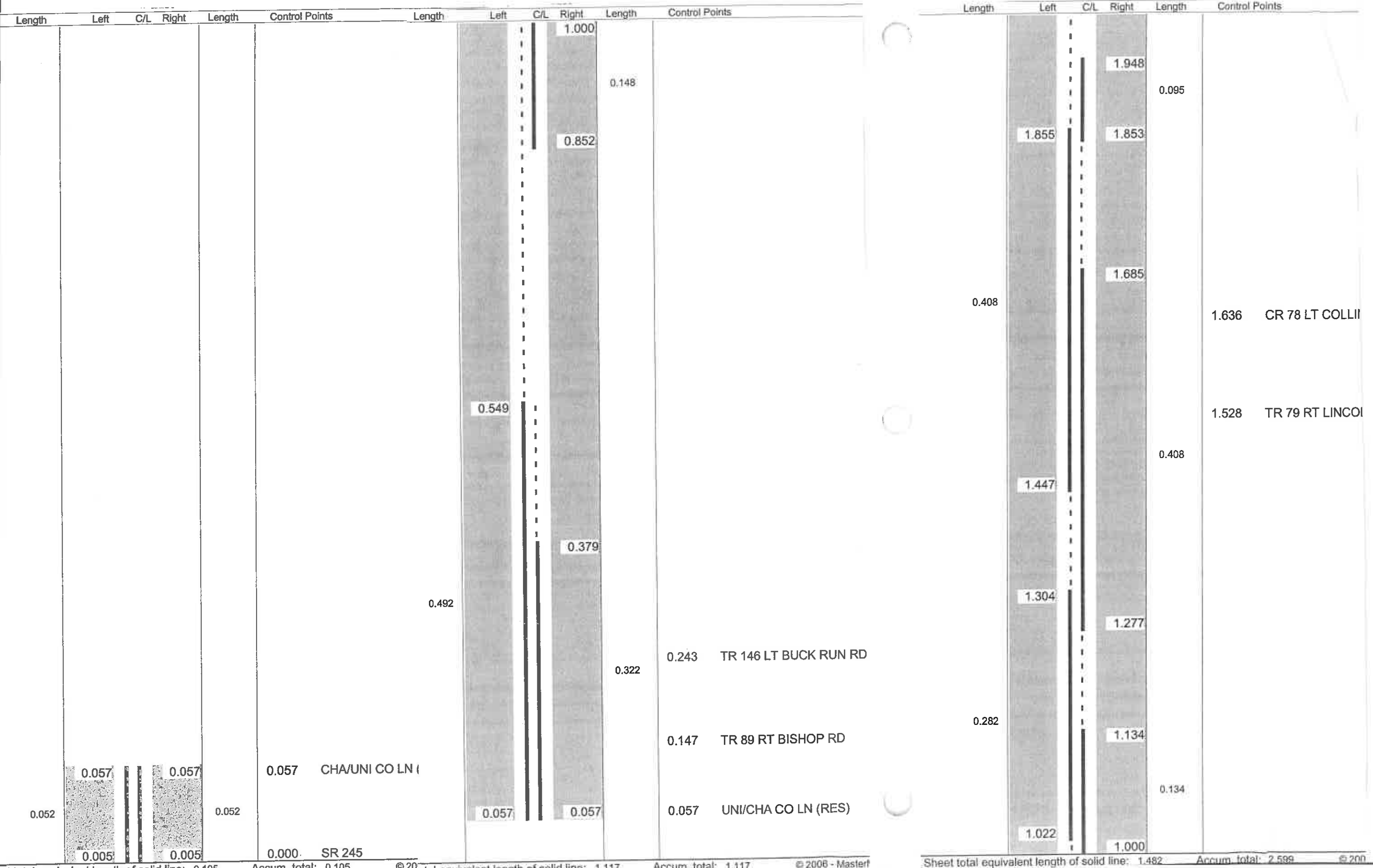


Union County Engineering Department  
No Passing Zone Log

Route: 0057 (MIDDLEBURG-PLAIN CITY)  
Length: 0.057 Direction: East

From: 0.000 SR 245  
To: 0.057 CHA/UNI CO LN (SUS)

CALCULATED  
JMS  
CHECKED  
JMS



CENTER LINE PLAN LOG SHEETS  
CR 57 MIDDLEBURG-PLAIN CITY RD

UNI-VARIOUS-2019 PM

Length	Left	C/L	Right	Length	Control Points
0.071	3.000		3.000	2.992	BRIDGE
	2.929			0.241	
			2.759		
0.062	2.605			0.062	
	2.543		2.543	2.543	CR 76 RT WOODSTOCK RD
			2.481		
0.095	2.136				
	2.041				

Length	Left	C/L	Right	Length	Control Points
	4.000			3.966	US 36
				0.966	
				3.466	MILFORD CENTER WCL
				3.355	OYSTER LN RT
	3.000		3.000		

Sheet total equivalent length of solid line: 0.763

Accum. total: 3.362

© 2006 - MasterMind

Sheet total equivalent length of solid line: 1.975

Accum. total: 5.337

© 2006 - Maste

CALCULATED	TM	CHECKED	IS
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CENTER LINE PLAN LOG SHEETS  
CR 57 MIDDLEBURG-PLAIN CITY RD

UNI-VARIOUS-2019 PM

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**Union County Engineering Department**  
**No Passing Zone Log**

Route: 0073 (MAPLE RIDGE RD)  
 Length: 3.168 Direction: South

From: 0.000 SR 245  
 To: 3.168 CR 75 RT NORTH DARBY COE RD

CALCULATED	TM	CHECKED	JS
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Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points	
1.000						2.000				3.000								
0.860				0.160		1.840				2.937		0.063						
0.994				0.330		1.670				2.853		0.231						
0.854				0.112		1.624				2.632		0.231						
				0.259		1.512				2.693		0.311						
				0.057		1.454				2.481		2.173						
				0.259		1.323				2.462		2.173						
				0.096	BRIDGE	1.266				2.311		TR 72 LT COLEMAN BRAKE RD						
				0.096	BRIDGE	1.195				2.000		2.000						
				0.096	BRIDGE	1.030				3.164		3.168						
				0.006	SR 245	1.000				3.000		CR 75 RT NORTH DARBY COE RD						
				0.000	SR 245	0.030						0.164						
equivalent length of solid line: 1.885				equivalent length of solid line: 1.144		Accum. total: 1.885				equivalent length of solid line: 1.469		Accum. total: 4.498						
						Accum. total: 3.029						equivalent length of solid line: 0.205						
						Accum. total: 4.703												

CENTER LINE PLAN LOG SHEETS  
 CR 73 MAPLE RIDGE RD

UNI-VARIOUS-2019 PM

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**Union County Engineering Department  
No Passing Zone Log**

Route: **0078 (COLLINS RD)**  
Length: **4.704**

Direction: **East**

From: **0.000 CR 57 MIDDLEBURG-PLAIN CITY RD**  
To: **4.704 US 36 & SR 4**

Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points						
0.103	0.646		0.553	0.180		0.061	2.000		2.000														
	0.543				0.553 CR 75 NORTH DARBY-COE RD	0.111	1.939			0.483													
			0.373			0.189	1.798			1.736	CR 73 MAPLE RIDGE RD												
						0.189	1.687																
							1.506		1.517				0.507	2.635									
							1.317		1.336						2.665								
0.057	0.063				0.009 BRIDGE		1.147							2.328									
	0.008				0.000 CR 57 MIDDLEBURG				1.147				0.193	2.193									
															2.158								
																2.023							
																2.000							
																0.023							
equivalent length of solid line: 0.588				Accum. total: 0.588				equivalent length of solid line: 1.235				Accum. total: 1.823				equivalent length of solid line: 1.381				Accum. total: 3.204			

CALCULATED
TM
CHECKED
JS

CENTER LINE PLAN LOG SHEETS  
CR 78 COLLINS RD

UNI-VARIOUS-2019 PM

**Union County Engineering Department  
No Passing Zone Log**

Route: **0078 (COLLINS RD)**

From: **0.000 CR 57 MIDDLEBURG-PLAIN CITY RD**

Length: **4.704**

Direction: **East**

To: **4.704 US 36 & SR 4**

Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points
0.062	3.980		3.918	0.062	3.918 TR 71 RT PAYNE R						
	3.918		3.856								
0.141	3.742		3.601	0.128	3.600 CR 134 LT PAVER B						
	3.601		3.473								
				0.229		0.229	4.504		4.598	0.057	4.704 US 36 & SR 4
							4.275		4.641		
							4.334		4.105	0.229	

equivalent length of solid line: 0.643

Accum. total: 3.847

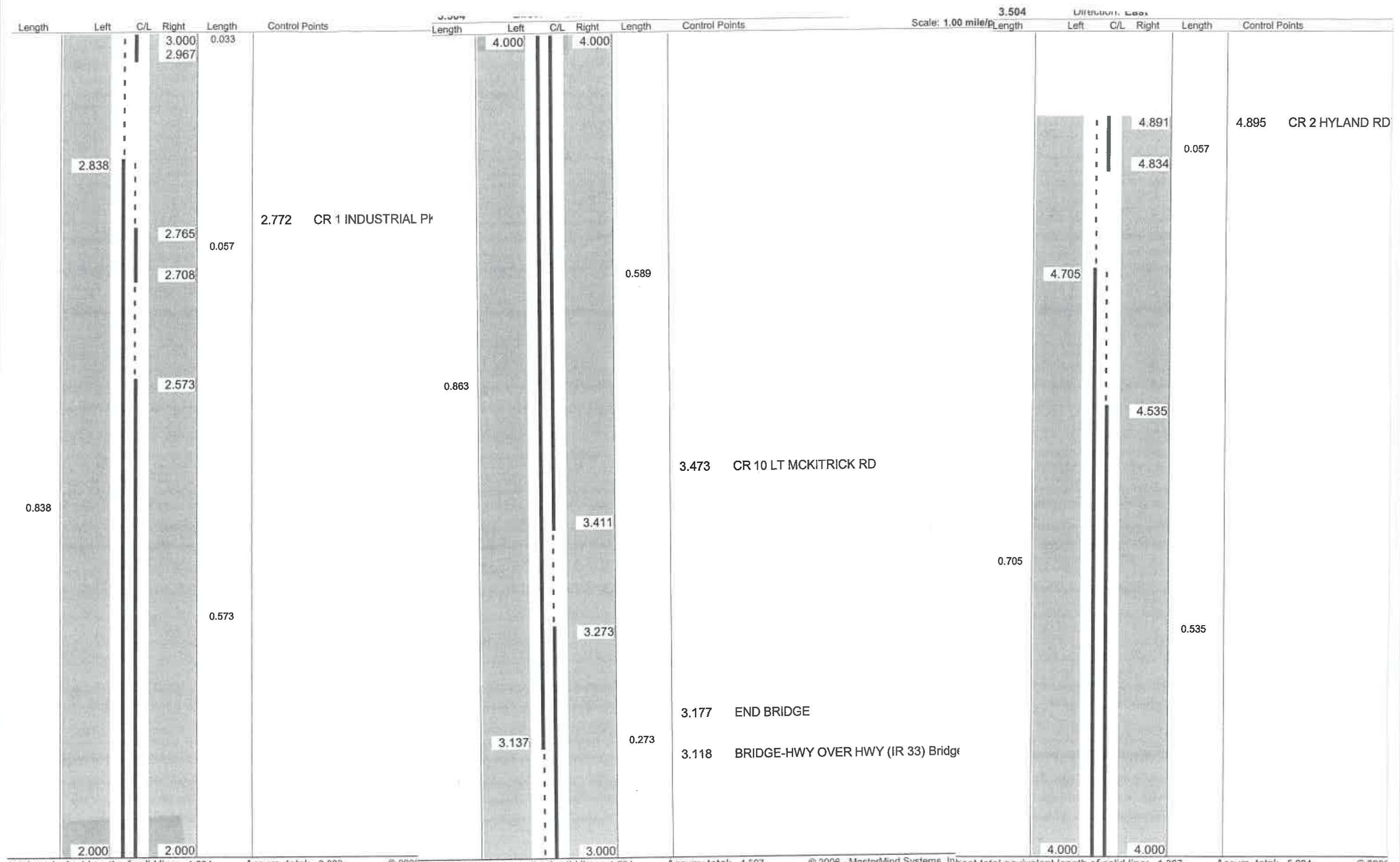
Sheet total equivalent length of solid line: 0.675

Accum. total: 4.522

CALCULATED  
TM  
CHECKED  
JS

CENTER LINE PLAN LOG SHEETS  
CR 78 COLLINS RD

UNI-VARIOUS-2019 PM



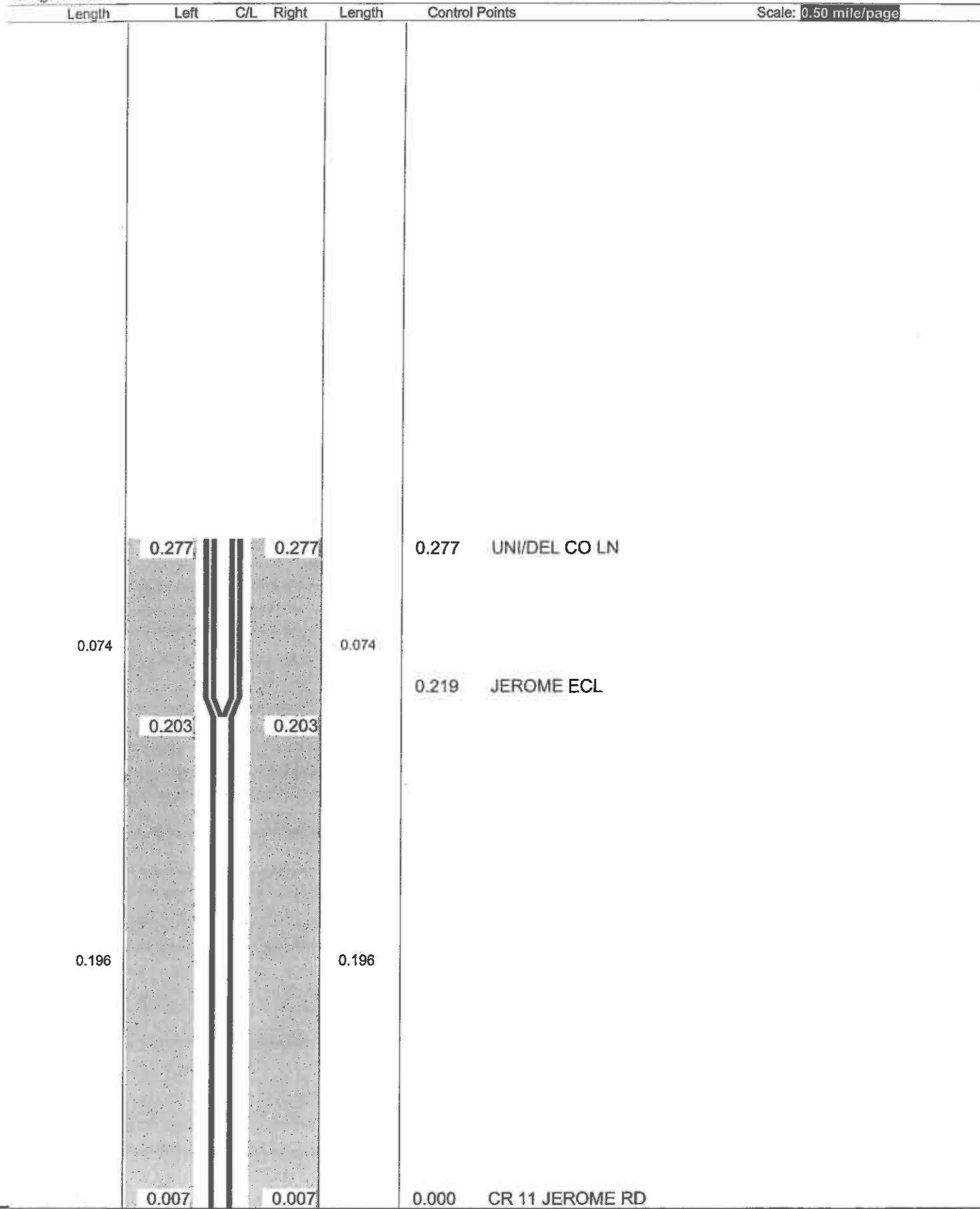
CENTER LINE PLAN LOG SHEETS  
 CR 9 MITCHELL-DEWITT RD  
 UNI-VARIOUS-2019 PM

Union County Engineering Department  
No Passing Zone Log

Route: 0013 (SCIOTO RD)  
Length: 0.277

Direction: East

From: 0.000 CR 11 JEROME RD  
To: 0.277 UNI/DEL CO LN



Sheet total equivalent length of solid line: 0.690

Accum. total: 0.690

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CENTER LINE PLAN LOG SHEETS  
CR 13 SCIOTO RD

UNI-VARIOUS-2019 PM

15

CALCULATED	TM	CHECKED	JS
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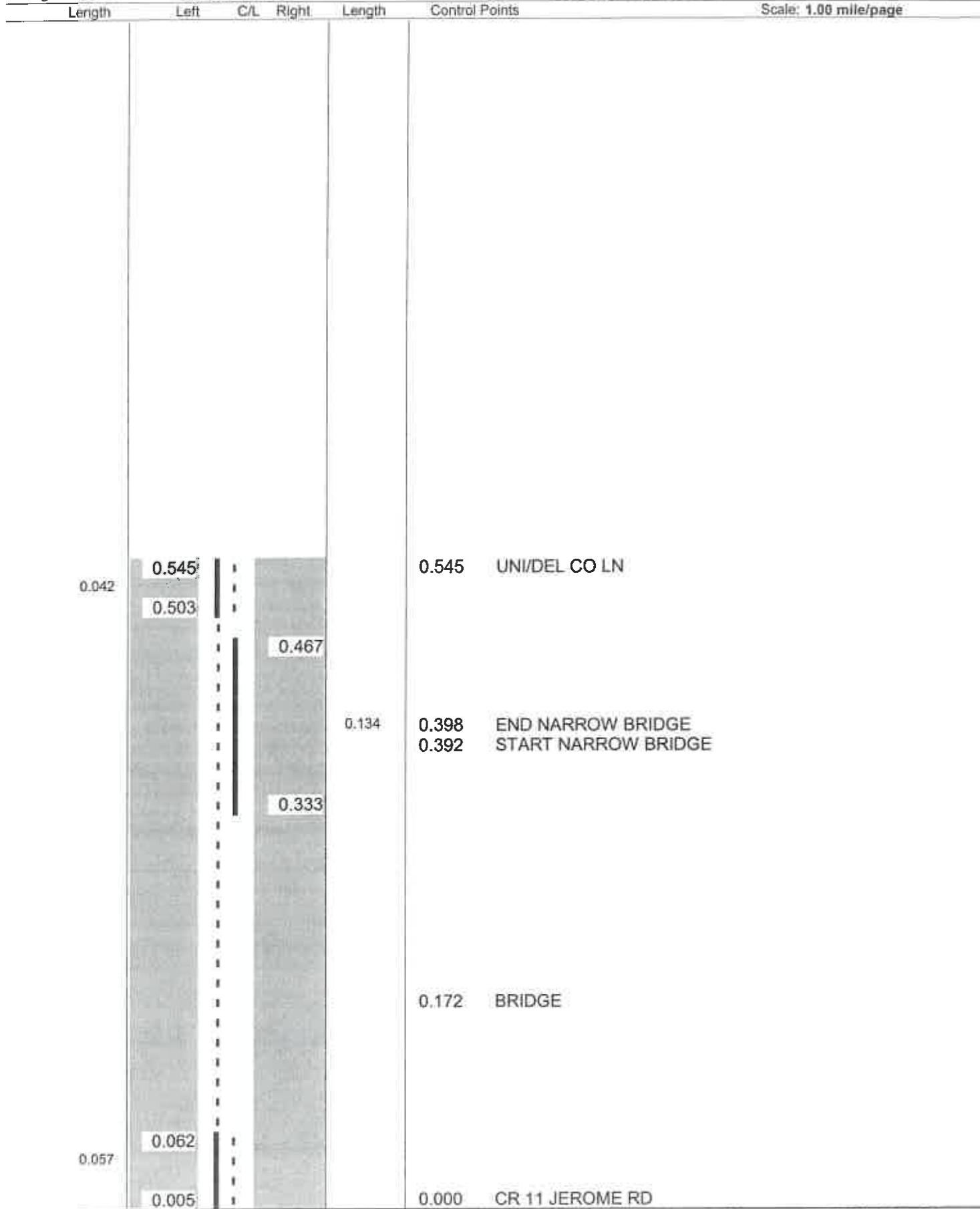


Union County Engineering Department  
No Passing Zone Log

Route: 0015 (BLANEY RD)  
Length: 0.545

Direction: East

From: 0.000 CR 11 JEROME RD  
To: 0.545 UNI/DEL CO LN



Sheet total equivalent length of solid line: 0.369

Accum. total: 0.369

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CENTER LINE PLAN LOG SHEETS  
CR 15 BLANEY RD

UNI-VARIOUS-2019 PM

CALCULATED	TM	CHECKED	J5
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Route: 0002 (HYLAND-CROY RD)  
 Length: 3.682  
 Direction: North

From: 0.000 CR 24 POST RD  
 To: 3.682 CR 16 BROCK RD

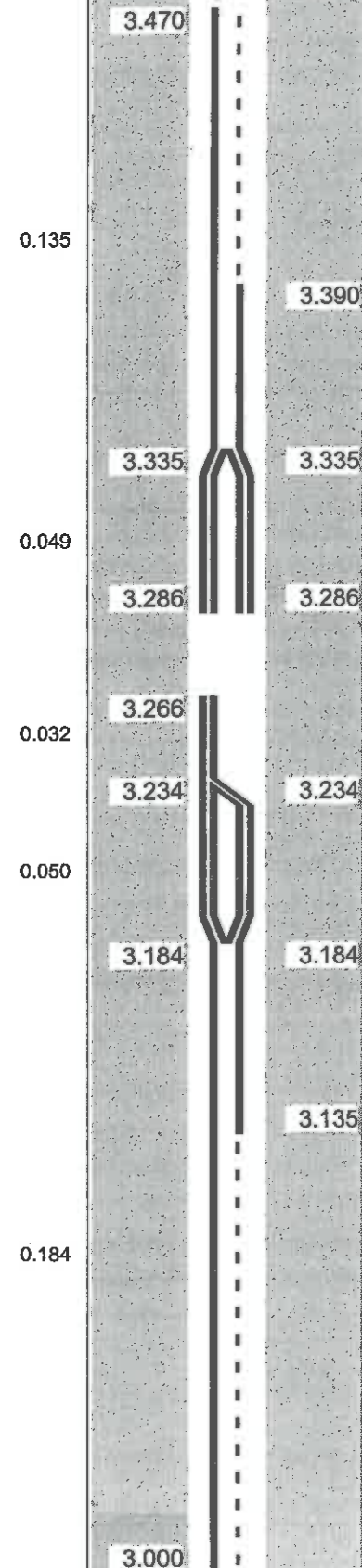
Route: 0002 (HYLAND-CROY RD)  
 Length: 3.682  
 Direction: North

From: 0.000 CR 24 POST RD  
 To: 3.682 CR 16 BROCK RD

Length Left C/L Right Length Control Points Scale: 0.50 mile/page

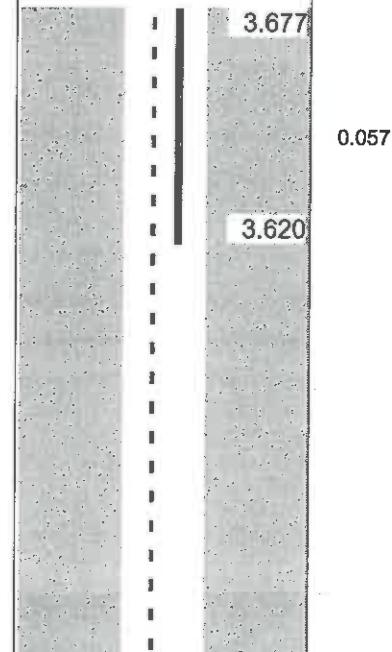
Length Left C/L Right Length Control Points Scale: 0.50 mile/page

Length Left C/L Right Length Control Points Scale: 0.50 mile/page



3.272 GLACIER RIDGE METRO PARK RT

3.682 CR 16 BROCK RD



Sheet total equivalent length of solid line: 0.944

Accum. total: 4.728

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Sheet total equivalent length of solid line: 0.103

Accum. total: 4.831

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CALCULATED  
 TM  
 CHECKED  
 JS

CENTER LINE PLAN LOG SHEETS  
 CR 2 HYLAND-CROY RD

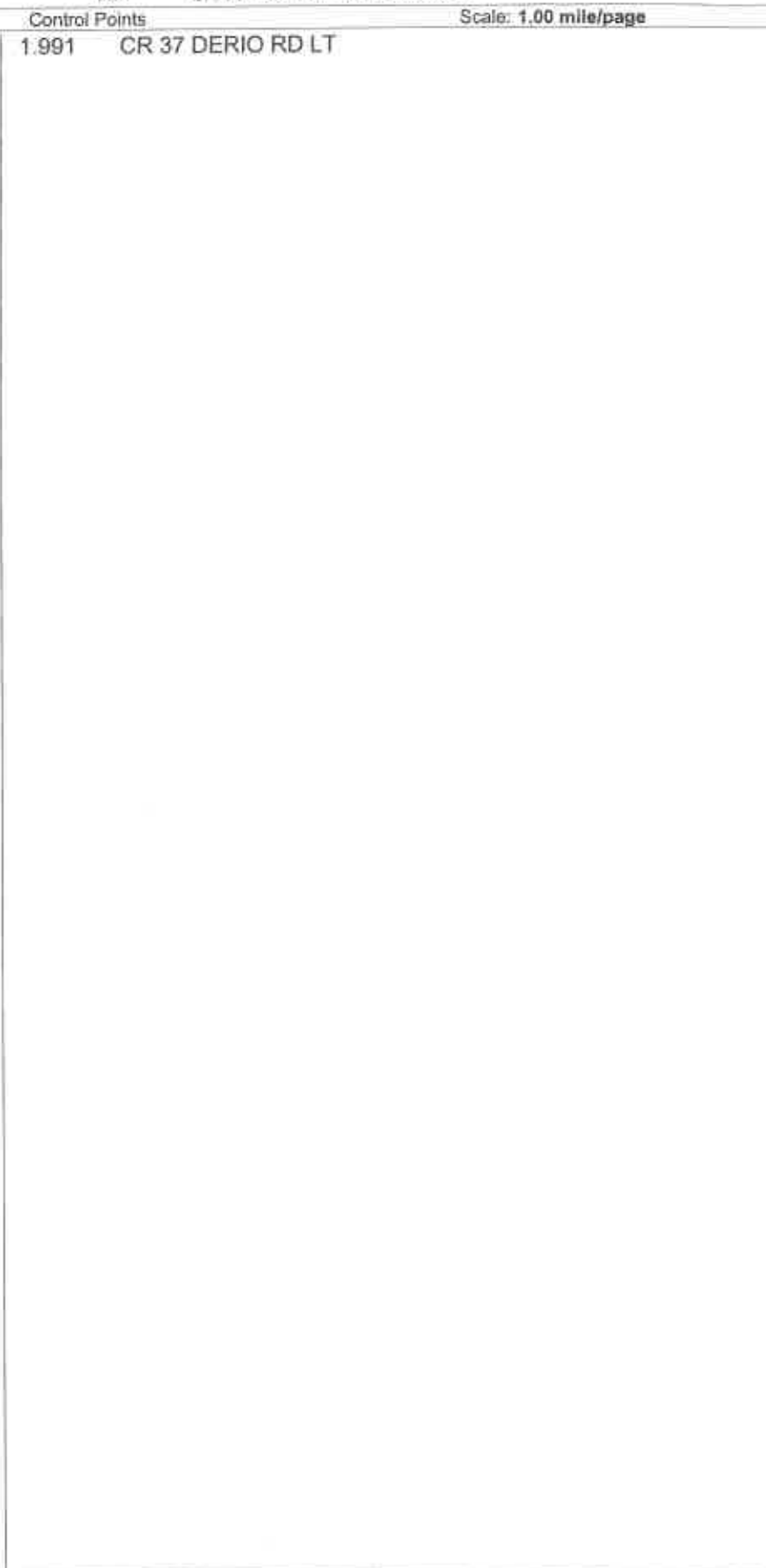
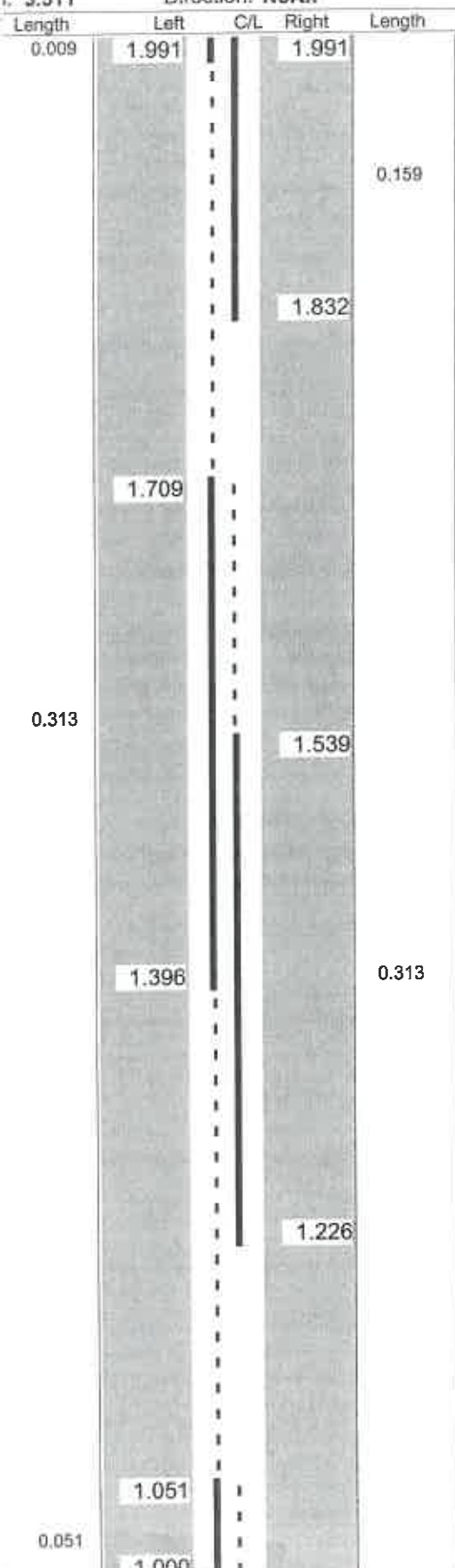
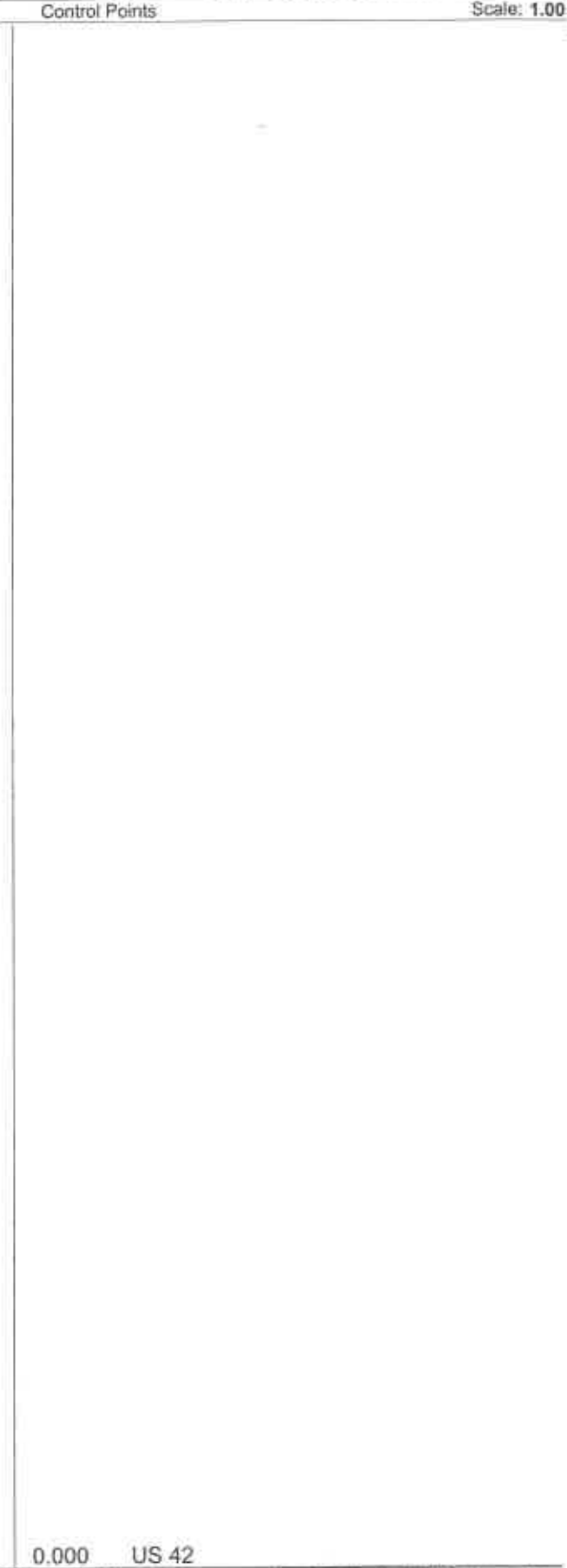
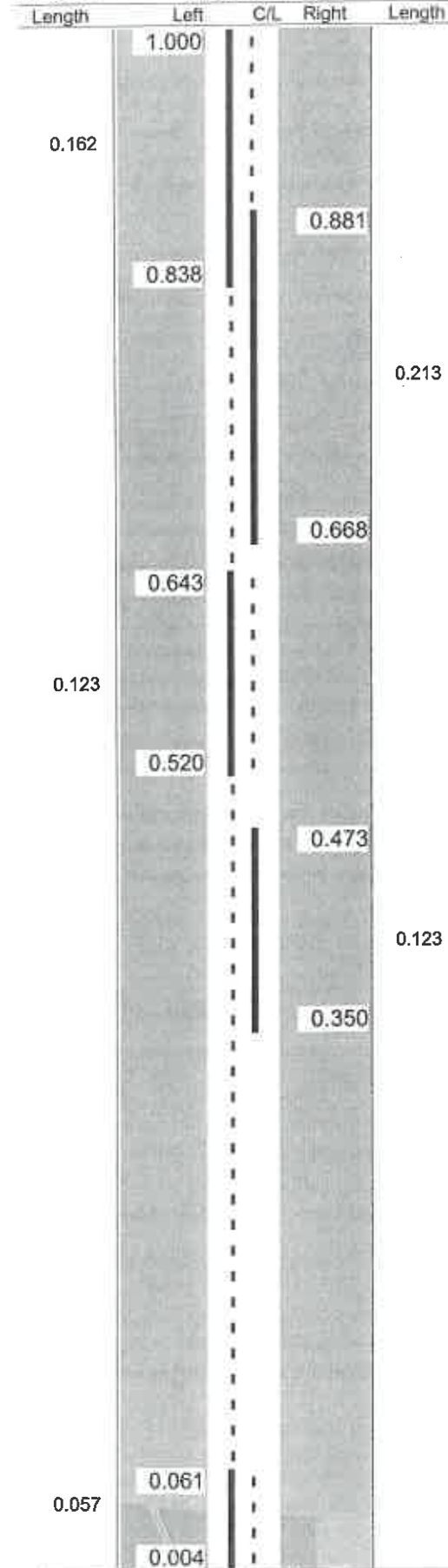
UNI-VARIOUS-2019 PM

0022 (WATKINS-CALIFORNIA RD)  
 3.511 Direction: North

From: 0.000 US 42  
 To: 3.511 CR 104 WATKINS RD

0022 (WATKINS-CALIFORNIA RD)  
 3.511 Direction: North

From: 0.000 US 42  
 To: 3.511 CR 104 WATKINS RD



total equivalent length of solid line: 0.917 Accum. total: 0.917

total equivalent length of solid line: 1.059 Accum. total: 1.976

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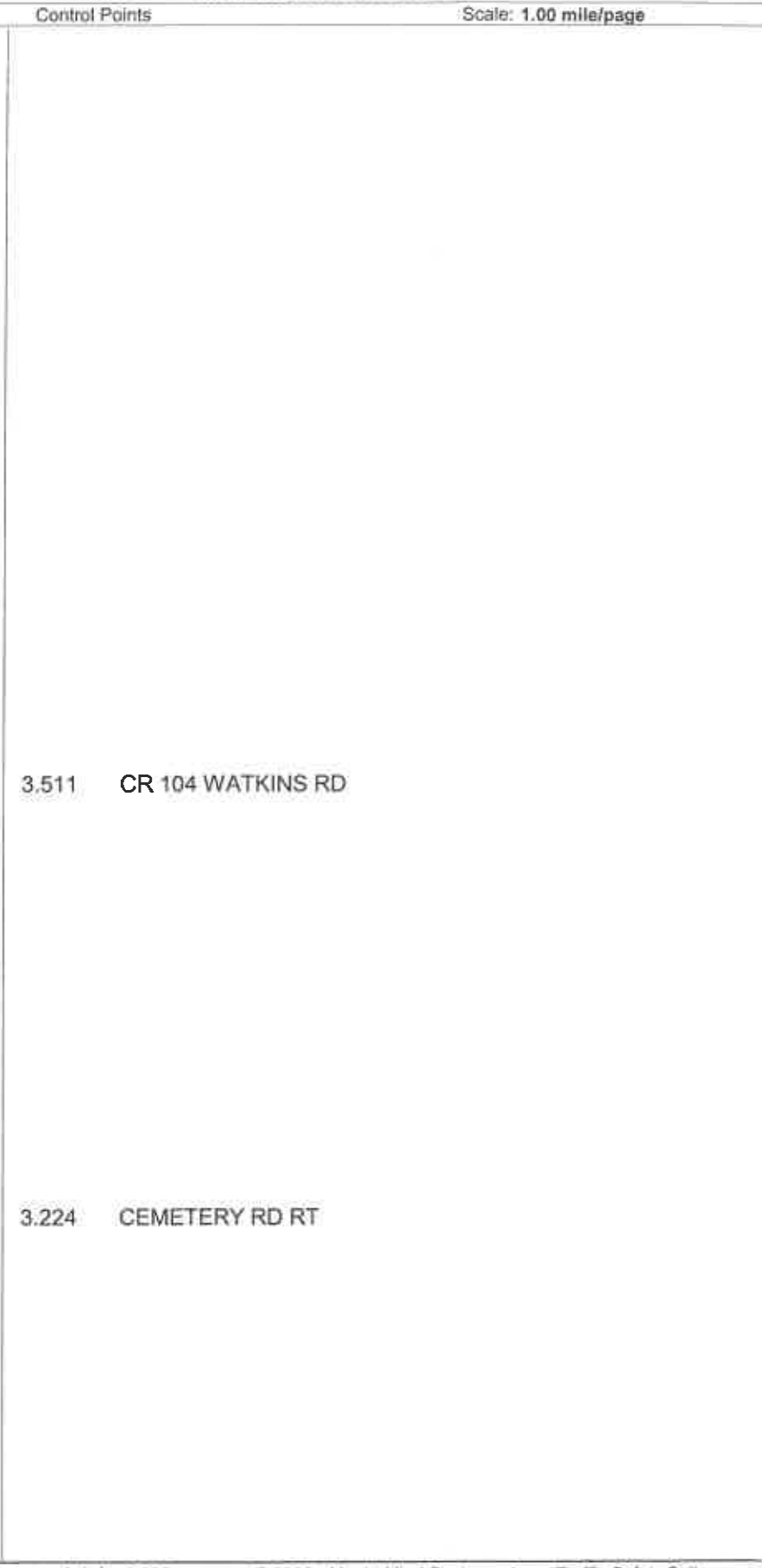
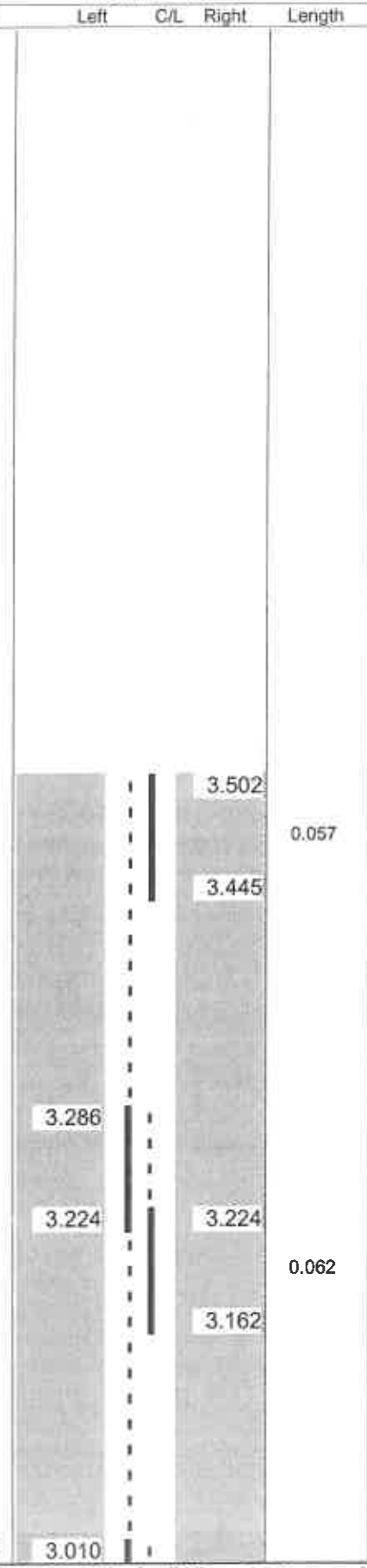
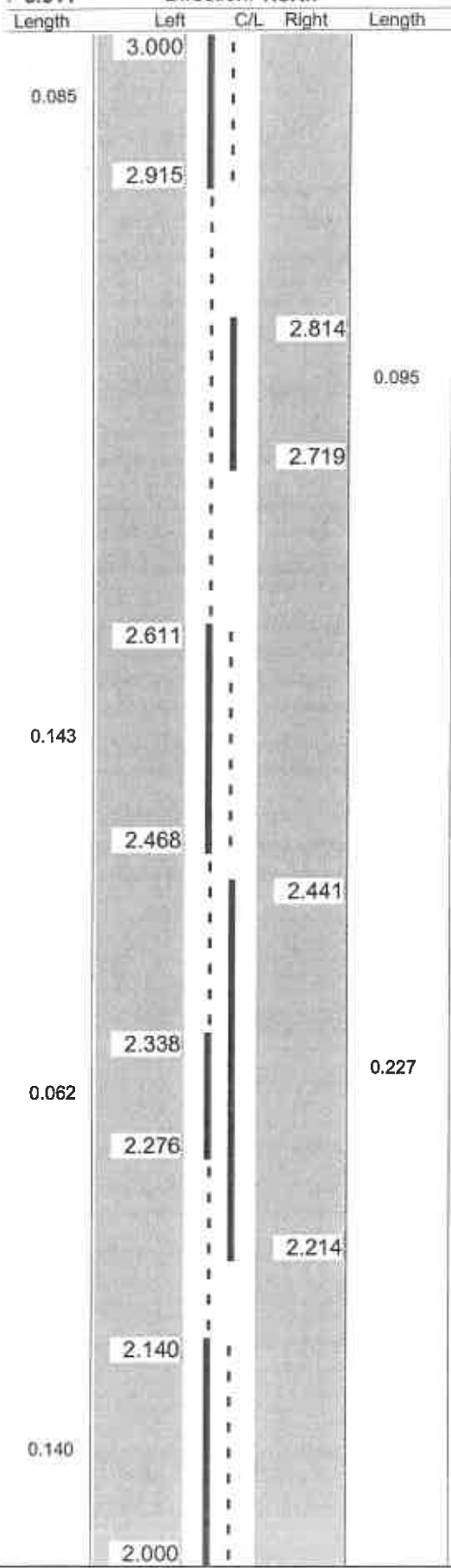
CALCULATED  
 TM  
 CHECKED  
 JS

CENTER LINE PLAN LOG SHEETS  
 CR 22 WATKINS-CALIFORNIA RD

UNI-VARIOUS-2019 PM

0022 (WATKINS-CALIFORNIA RD)  
 : 3.511 Direction: North  
 From: 0.000 US 42  
 To: 3.511 CR 104 WATKINS RD

0022 (WATKINS-CALIFORNIA RD)  
 : 3.511 Direction: North  
 From: 0.000 US 42  
 To: 3.511 CR 104 WATKINS RD



feet total equivalent length of solid line: 0.987

Accum. total: 2.963

© 2006 - MasterMind Systems, Inc. - Sheet total equivalent length of solid line: 0.319

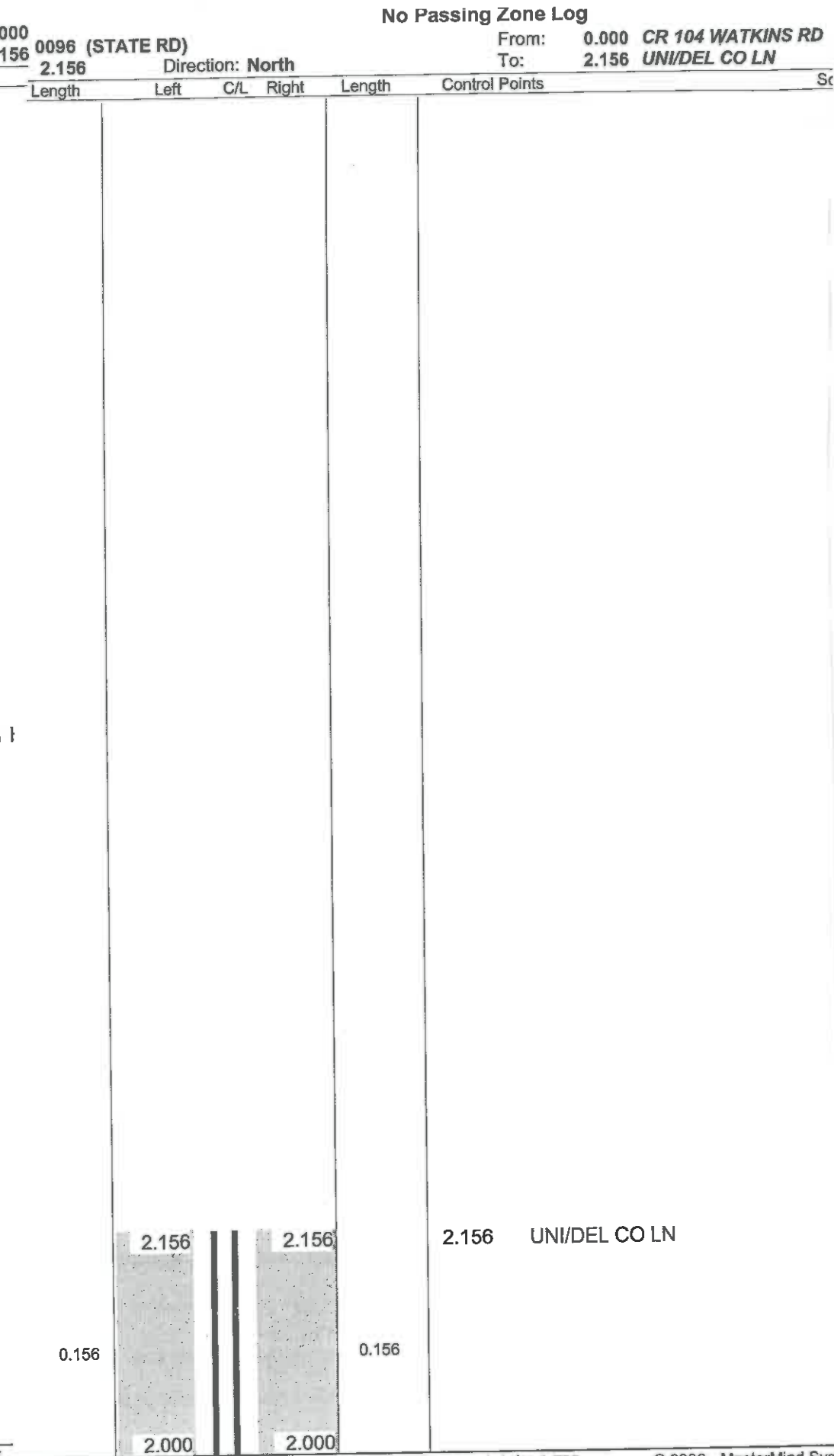
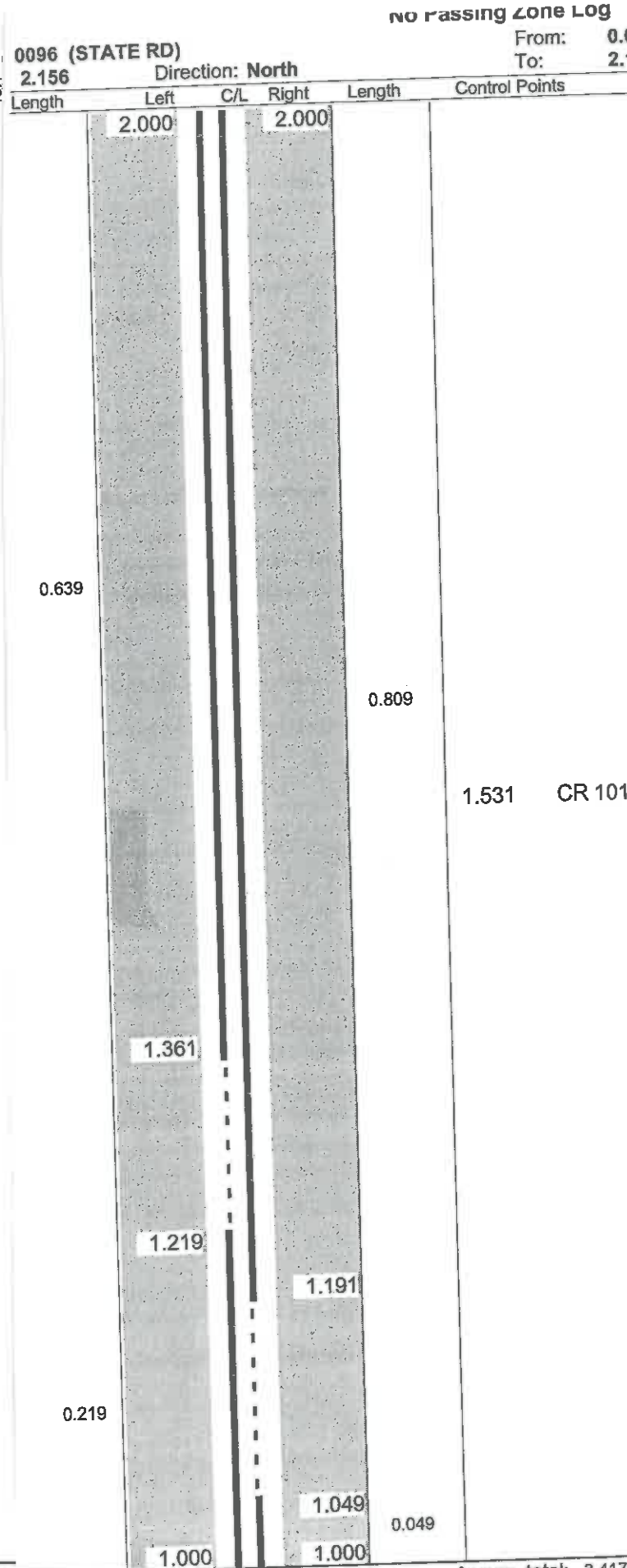
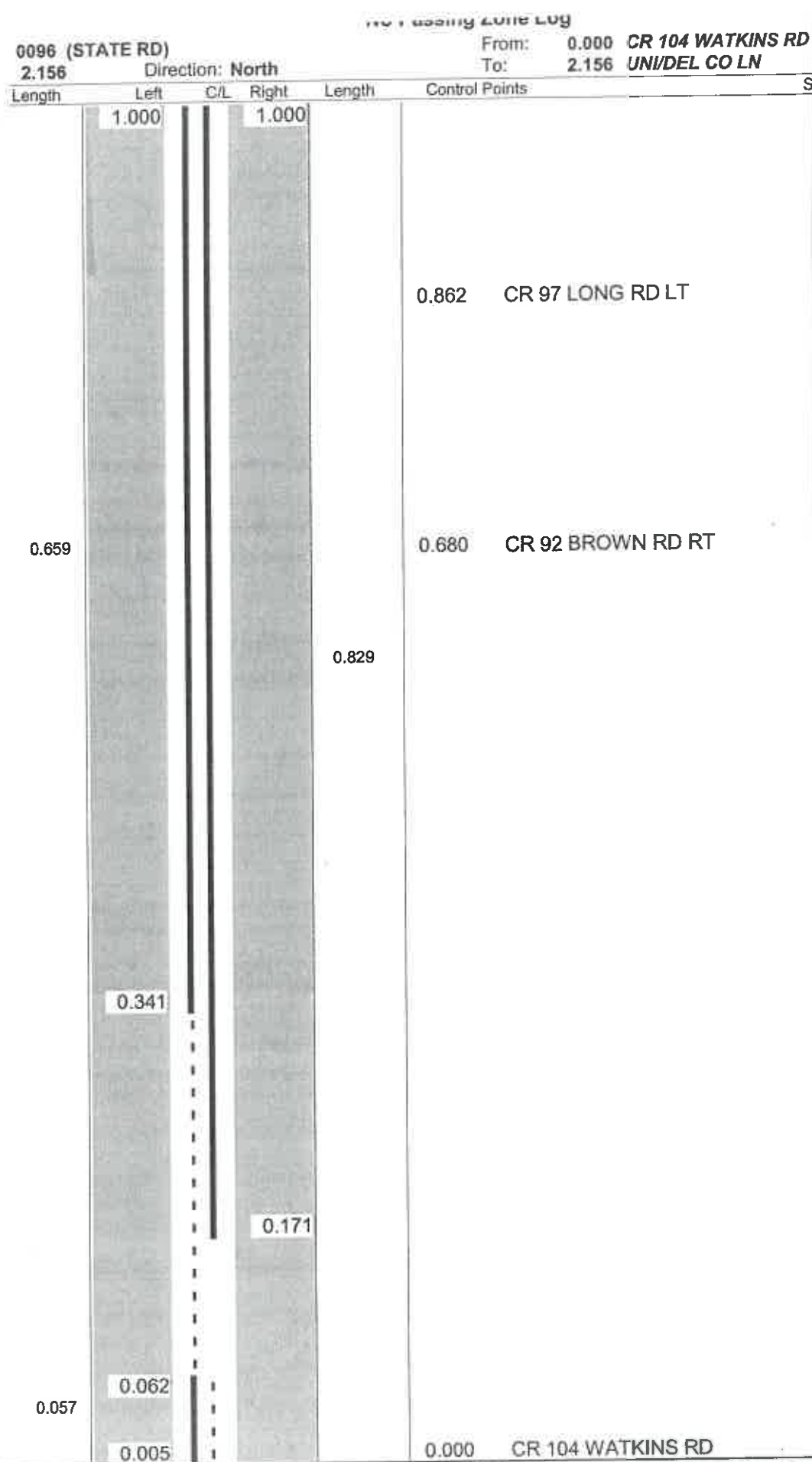
Accum. total: 3.282

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CALCULATED  
 TM  
 CHECKED  
 JS

CENTER LINE PLAN LOG SHEETS  
 CR 22 WATKINS-CALIFORNIA RD

UNI-VARIOUS-2019 PM



total equivalent length of solid line: 1.630 Accum. total: 1.630 © 2006 - MasterMind Systems  
 at total equivalent length of solid line: 1.787 Accum. total: 3.417  
 et total equivalent length of solid line: 0.312 Accum. total: 3.729 © 2006 - MasterMind Systems

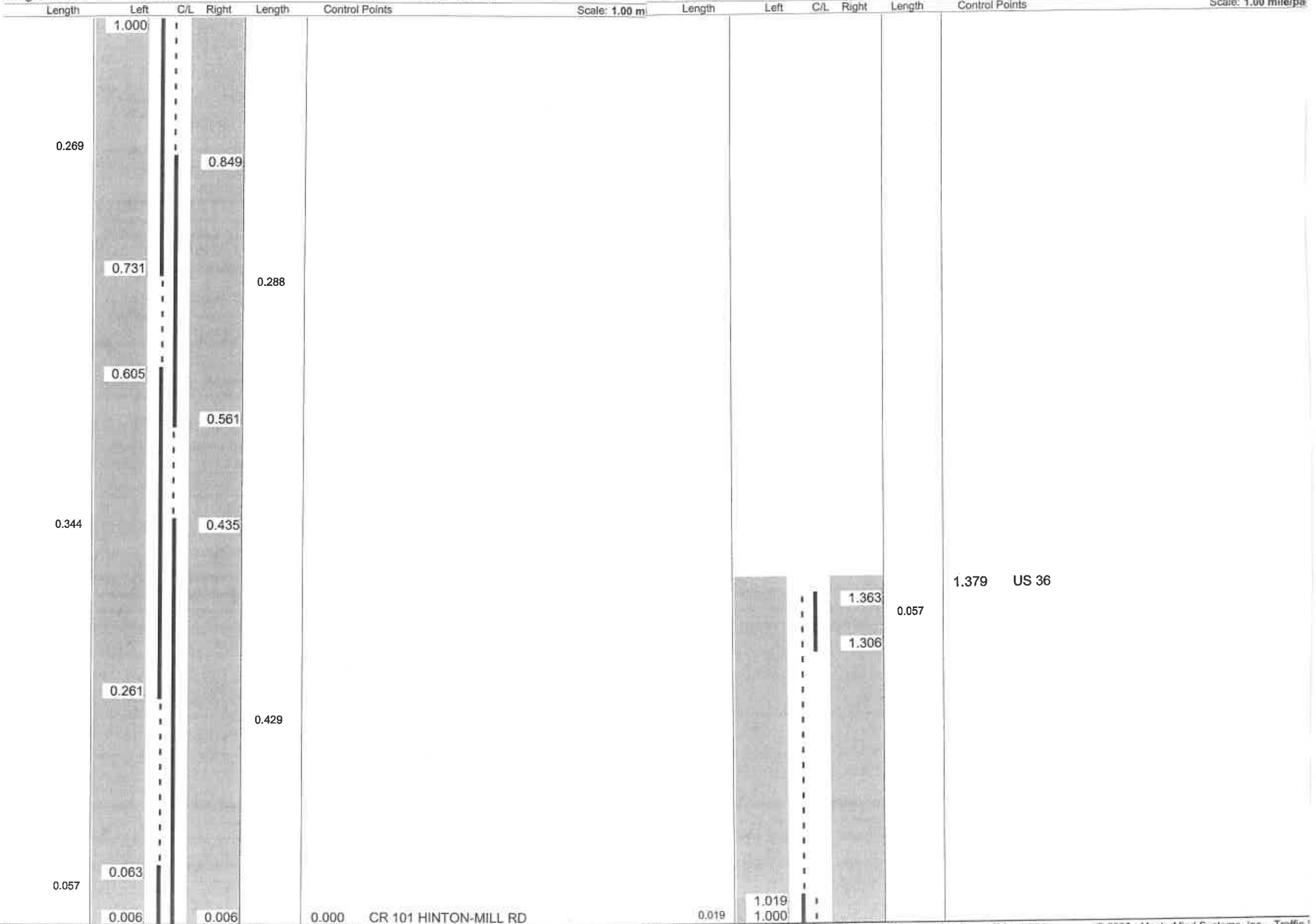
CALCULATED	TIM	CHECKED	JS
CENTER LINE PLAN LOG SHEETS CR 96 STATE RD			
UNI-VARIOUS-2019 PM			

Route: 0108 (MYERS RD)  
 Length: 1.379 Direction: North

From: 0.000 CR 101 HINTON-MILL RD  
 To: 1.379 US 36

Route: 0108 (MYERS RD)  
 Length: 1.379 Direction: North

From: 0.000 CR 101 HINTON-MILL RD  
 To: 1.379 US 36



Sheet total equivalent length of solid line: 1.539

Accum. total: 1.539

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Sheet total equivalent length of solid line: 0.167

Accum. total: 1.706

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CALCULATED  
 TM  
 CHECKED  
 JS

CENTER LINE PLAN LOG SHEETS  
 CR 108 MYERS RD

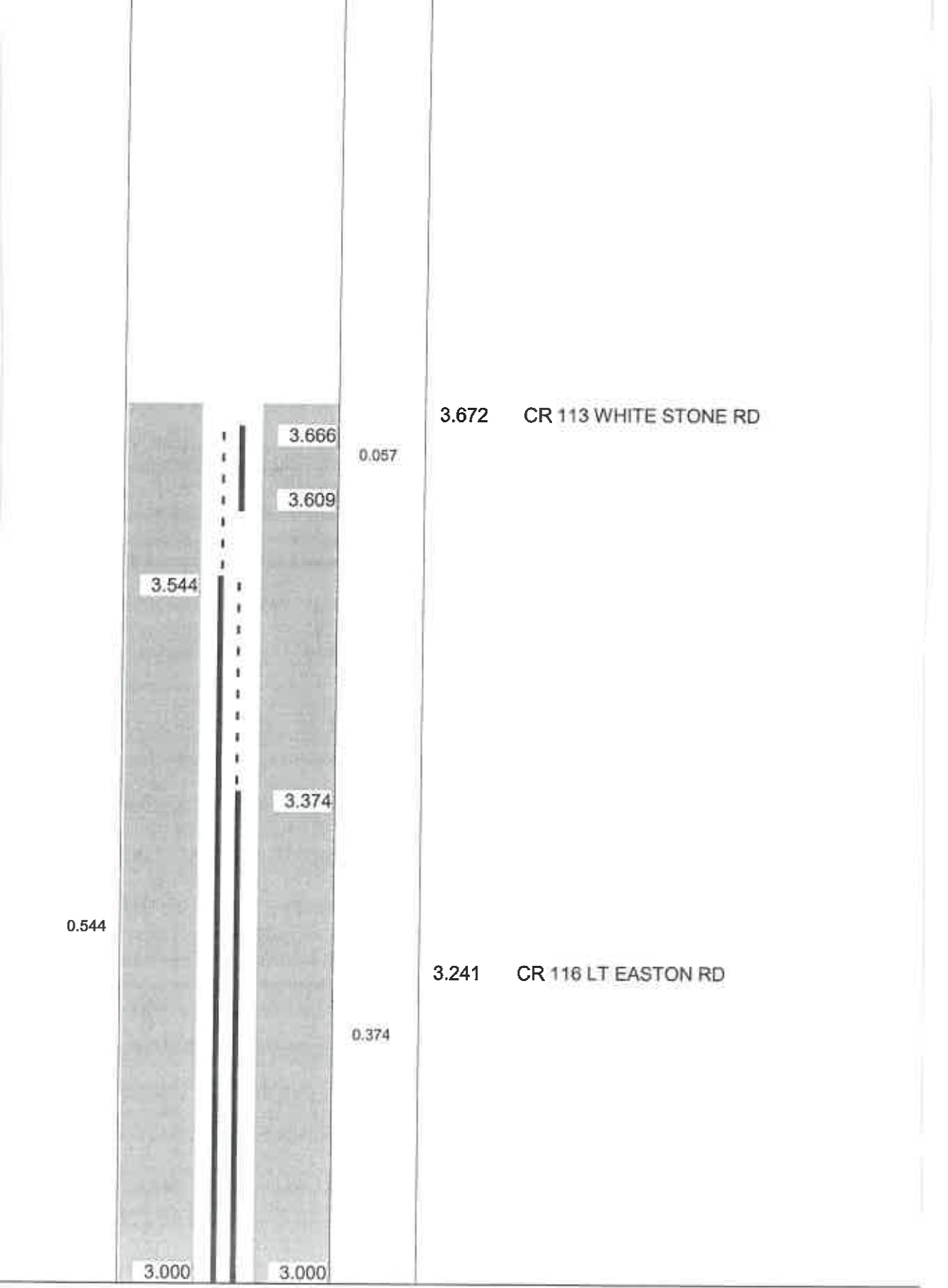
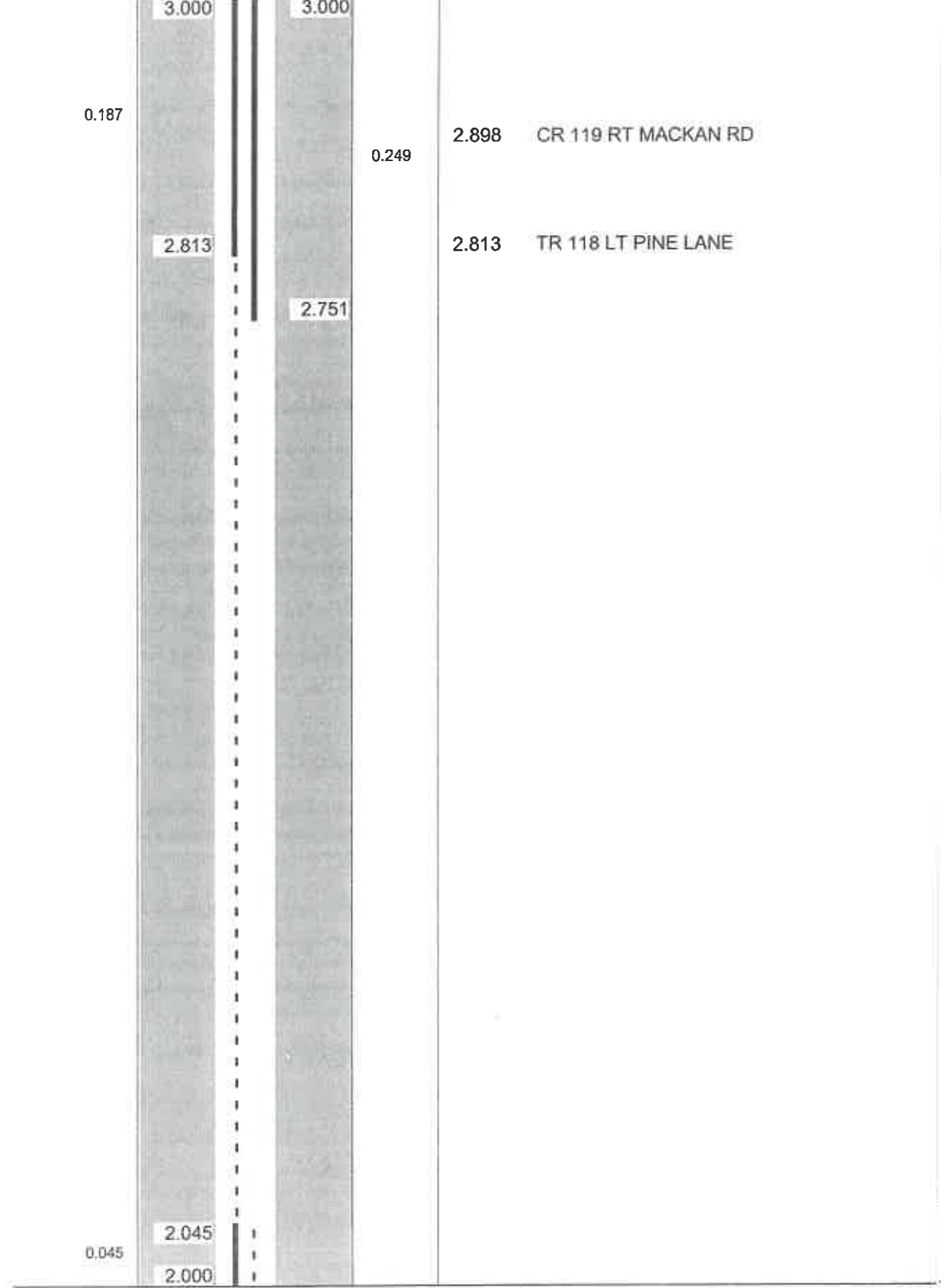
UNI-VARIOUS-2019 PM

21



**No Passing Zone Log**  
 Route: 0132 (COUNTY HOME RD)  
 Length: 3.672 Direction: East  
 From: 0.000 SR 4  
 To: 3.672 CR 113 WHITE STONE RD  
 Scale: 1.00 mile/

**No Passing Zone Log**  
 Route: 0132 (COUNTY HOME RD)  
 Length: 3.672 Direction: East  
 From: 0.000 SR 4  
 To: 3.672 CR 113 WHITE STONE RD  
 Scale: 1.00 mile/



CALCULATED  
 TM  
 CHECKED  
 JS

CENTER LINE PLAN LOG SHEETS  
 CR 132 COUNTY HOME RD

UNI-VARIOUS-2019 PM



Route: 0168 (STOKES RD)  
Length: 0.422

Direction: North

From: 0.000 LOG/UNI CO LN  
To: 0.422 SPUR LT TO CR 150

Length	Left	C/L	Right	Length	Control Points	Scale: 0.50 mile/page
0.418			0.418	0.422	SPUR LT TO CR 150	
0.418				0.266	CR 167 RT WEST DARBY RD	
0.418			0.418	0.000	LOG/UNI CO LN	

CALCULATED  
TM  
CHECKED  
JS

CENTER LINE PLAN LOG SHEETS  
CR 168 STOKES RD

UNI-VARIOUS-2019 PM

**Union County Engineering Department**  
**No Passing Zone Log**

Route: **0311 (TREATY LINE RD)**  
 Length: **4.208** Direction: **East**

From: **0.000 UNI/LOG CO LN**  
 To: **4.208 SR 31**

Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points	
			1.000									0.002	2.998		3.000		2.997	TR 308 RT PHELPS RD
			0.850	0.150														
						0.062	1.980		1.918	0.062	1.918	CR 346 LT WELLWOOD RD				0.172		
							1.918		1.918									
									1.856							2.828		
												0.088	2.635				2.573	SPUR RT TO CR 310
													2.547			0.088	2.547	CR 310 RT HOOVER-MOFFITT RD
						0.111	1.480											
							1.369											
									1.310									
										0.310	1.166	BRIDGE						
							1.149											
						0.114					1.086	CR 292 RT JANUARY RD						
							1.035											
									1.000									
					0.000													
					UNI/LOG CO LN													

Sheet total equivalent length of solid line: 0.400

Accum. total: 0.400

Sheet total equivalent length of solid line: 0.881

Accum. total: 1.281

Sheet total equivalent length of solid line: 0.593

Accum. total: 1.874

CENTER LINE PLAN LOG SHEETS  
 CR 311 TREATY LINE RD

UNI-VARIOUS-2019 PM

25

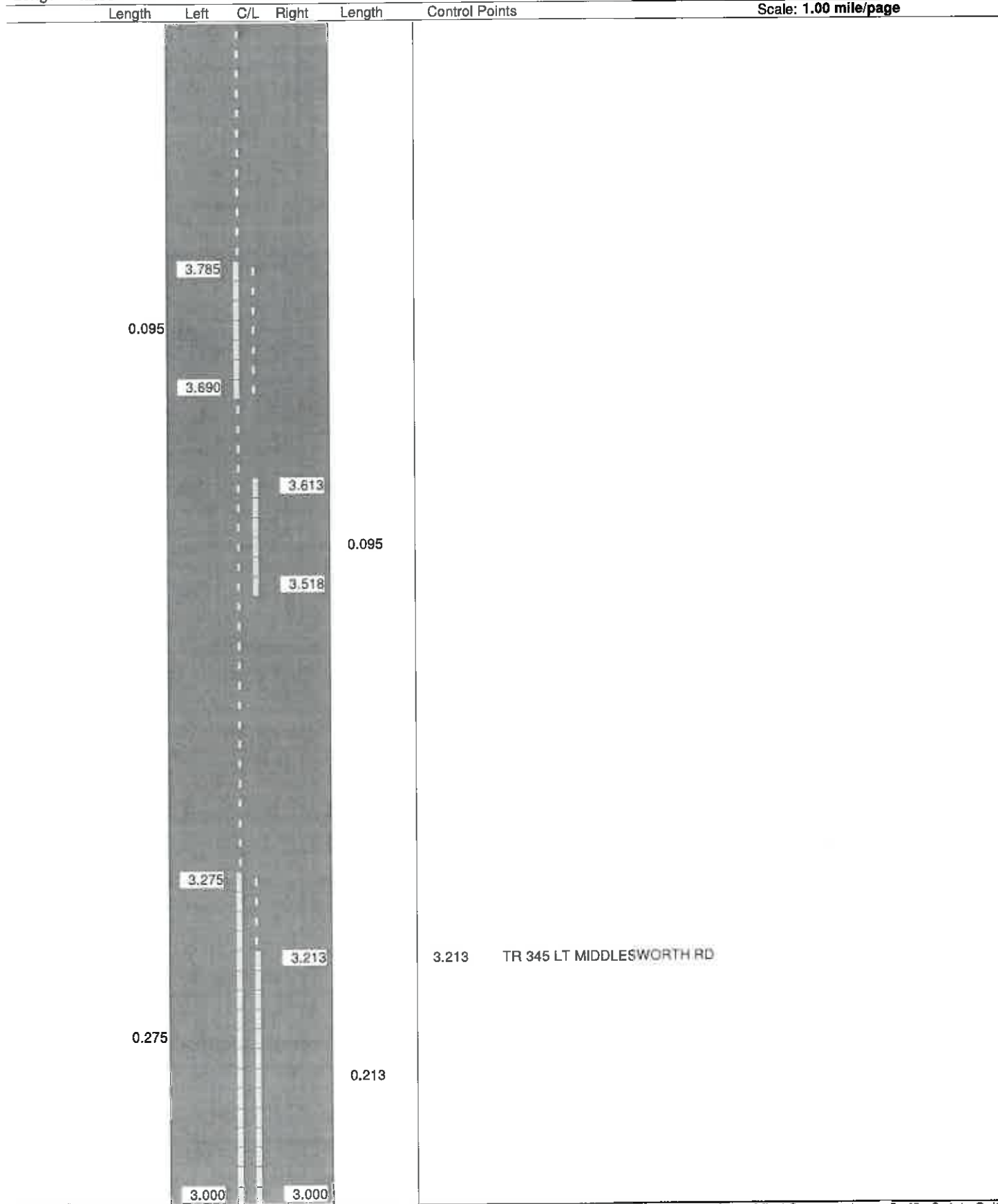
CALCULATED	TM
CHECKED	JS

Union County Engineering Department  
No Passing Zone Log

Route: 0311 (TREATY LINE RD)  
Length: 4.208 Direction: East

From: 0.000 UNI/LOG CO LN  
To: 4.208 SR 31

Scale: 1.00 mile/page



Sheet total equivalent length of solid line: 0.875

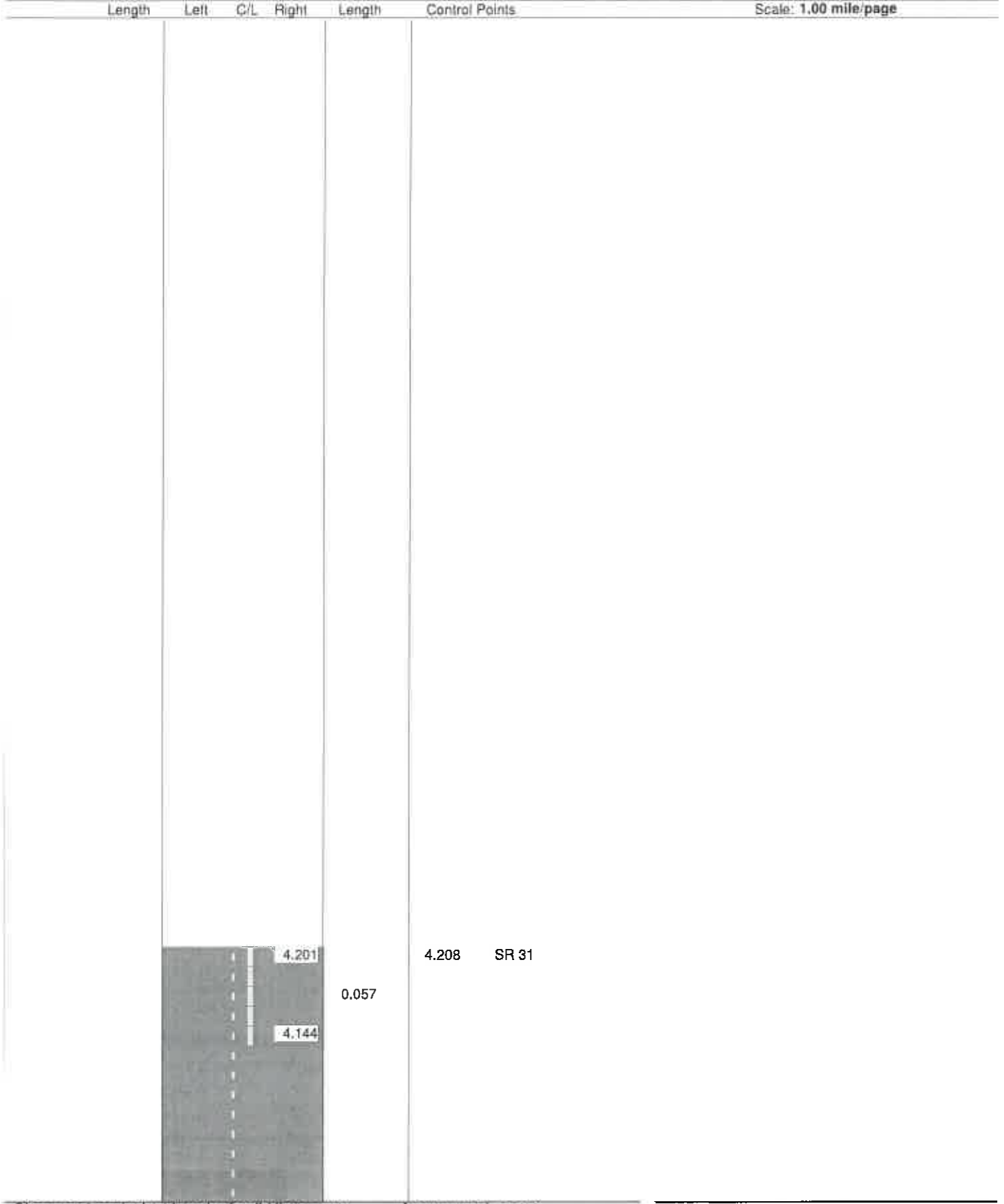
Accum. total: 2.749

Union County Engineering Department  
No Passing Zone Log

Route: 0311 (TREATY LINE RD)  
Length: 4.208 Direction: East

From: 0.000 UNI/LOG CO LN  
To: 4.208 SR 31

Scale: 1.00 mile/page



Sheet total equivalent length of solid line: 0.109

Accum. total: 2.858

CALCULATED  
TM  
CHECKED  
JS

CENTER LINE PLAN LOG SHEETS  
CR 311 TREATY LINE RD

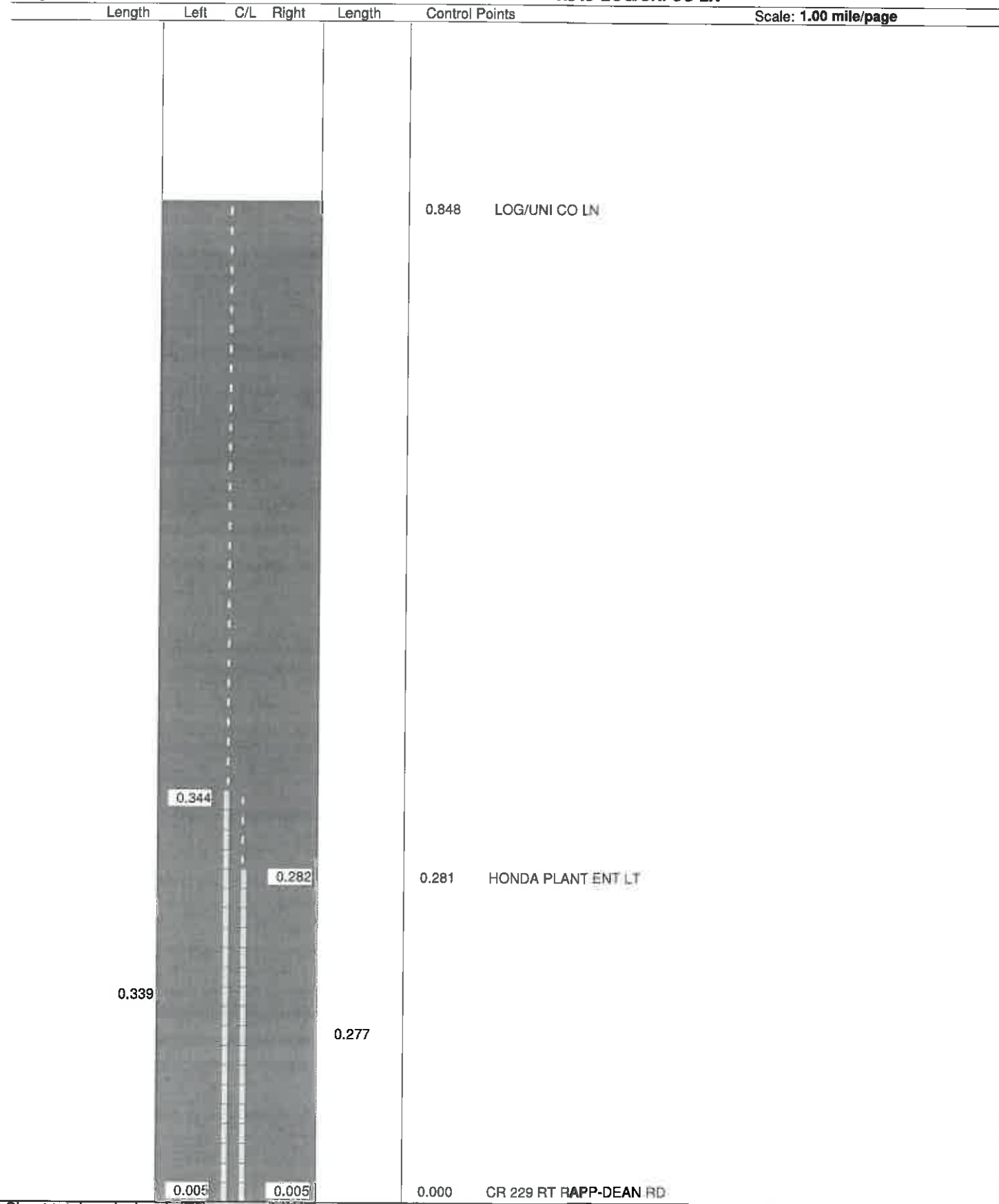
UNI-VARIOUS-2019 PM

**Union County Engineering Department**  
**No Passing Zone Log**

Route: 0253 (ROGERS RD)  
 Length: 0.848

Direction: North

From: 0.000 CR 229 RT RAPP-DEAN RD  
 To: 0.848 LOG/UNI CO LN



Scale: 1.00 mile/page

Sheet total equivalent length of solid line: 0.759      Accum. total: 0.759

CALCULATED	TM	CHECKED	JS
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CENTER LINE PLAN LOG SHEETS  
 CR 253 ROGERS RD

UNI-VARIOUS-2019 PM

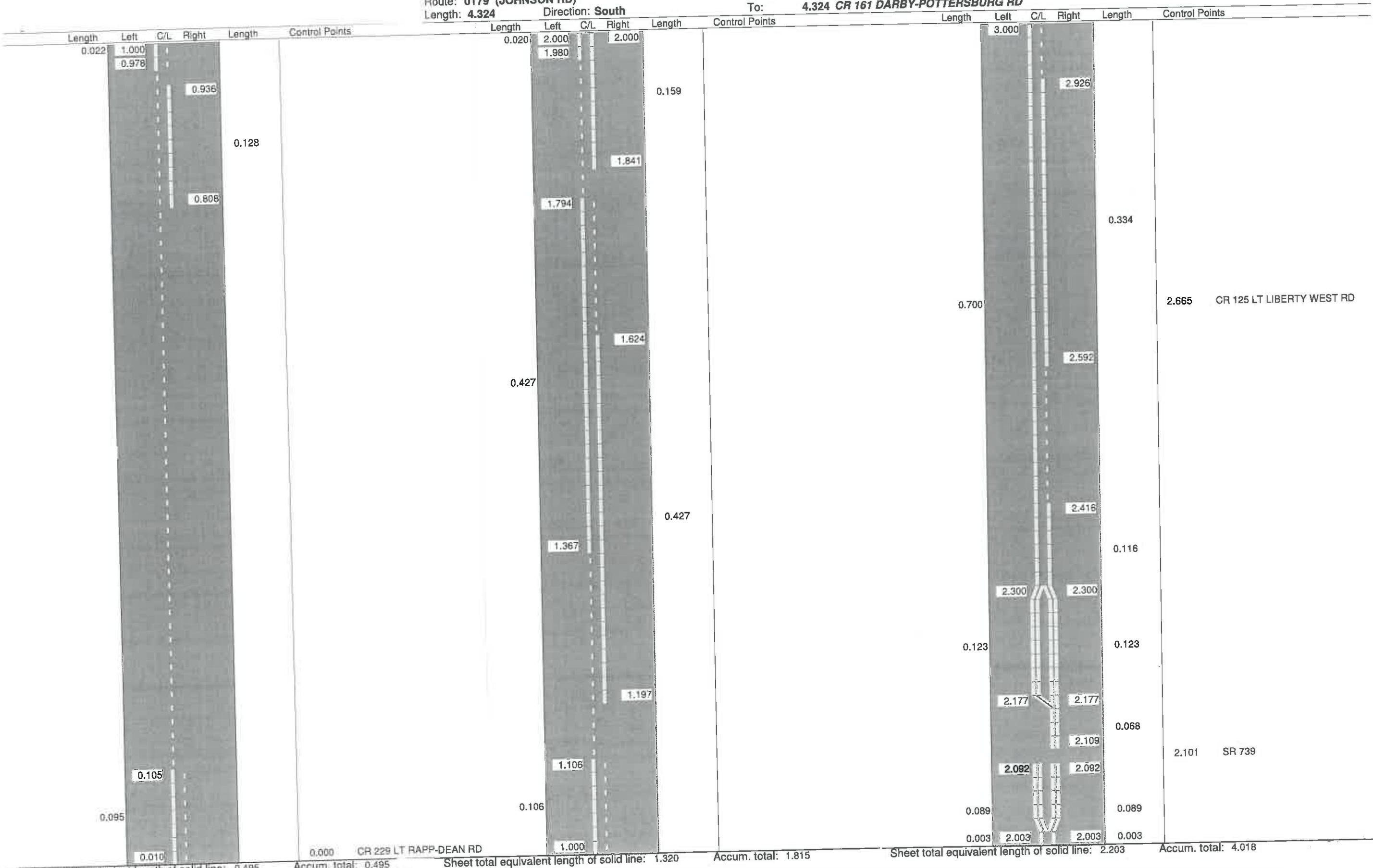
27

**Union County Engineering Department**  
**No Passing Zone Log**

Route: 0179 (JOHNSON RD)  
 Length: 4.324

Direction: South

From: 0.000 CR 229 LT RAPP-DEAN RD  
 To: 4.324 CR 161 DARBY-POTTERSBURG RD



Sheet total equivalent length of solid line: 0.495

Accum. total: 0.495

Sheet total equivalent length of solid line: 1.320

Accum. total: 1.815

Sheet total equivalent length of solid line: 2.203

Accum. total: 4.018

CALCULATED  
 TM  
 CHECKED  
 JS

CENTER LINE PLAN LOG SHEETS  
 CR 179 JOHNSON RD

UNI-VARIOUS-2019 PM

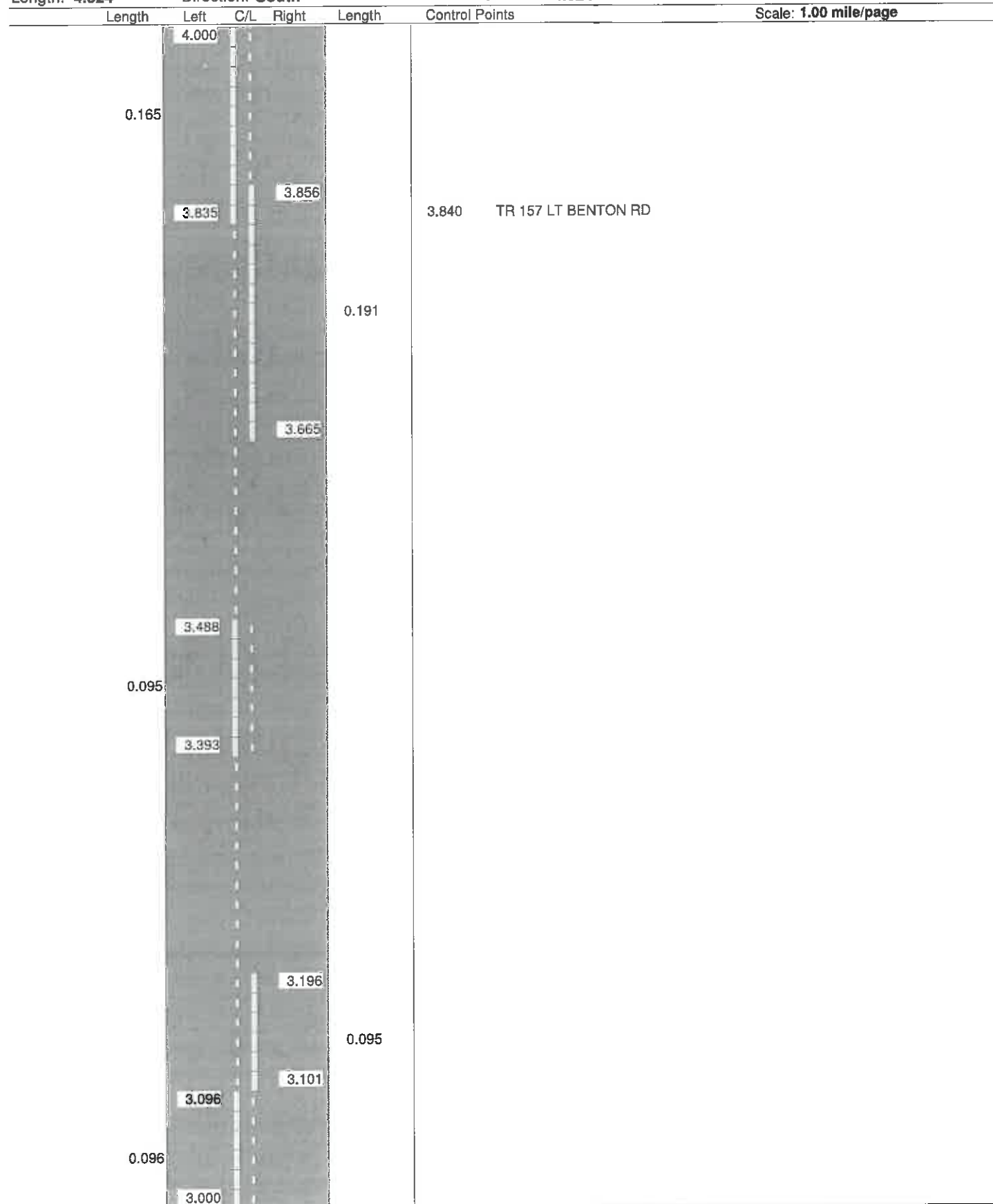
28

Union County Engineering Department  
No Passing Zone Log

Route: 0179 (JOHNSON RD)  
Length: 4.324 Direction: South

From: 0.000 CR 229 LT RAPP-DEAN RD  
To: 4.324 CR 161 DARBY-POTTERSBURG RD

Scale: 1.00 mile/page



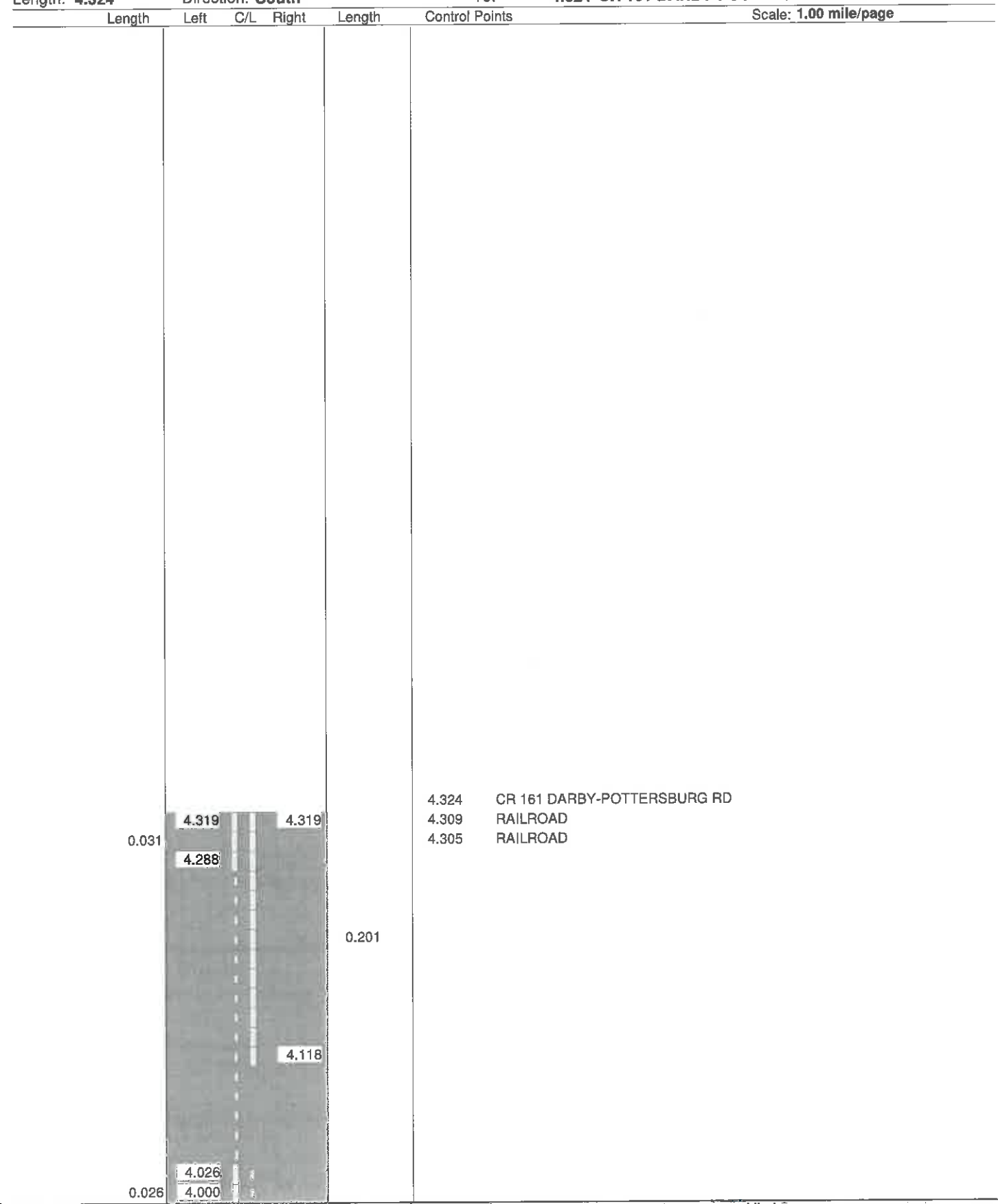
Sheet total equivalent length of solid line: 0.887 Accum. total: 4.905

Union County Engineering Department  
No Passing Zone Log

Route: 0179 (JOHNSON RD)  
Length: 4.324 Direction: South

From: 0.000 CR 229 LT RAPP-DEAN RD  
To: 4.324 CR 161 DARBY-POTTERSBURG RD

Scale: 1.00 mile/page



Sheet total equivalent length of solid line: 0.331 Accum. total: 5.236

CALCULATED  
TM  
CHECKED  
JS

CENTER LINE PLAN LOG SHEETS  
CR 179 JOHNSON RD

UNI-VARIOUS-2019 PM

21

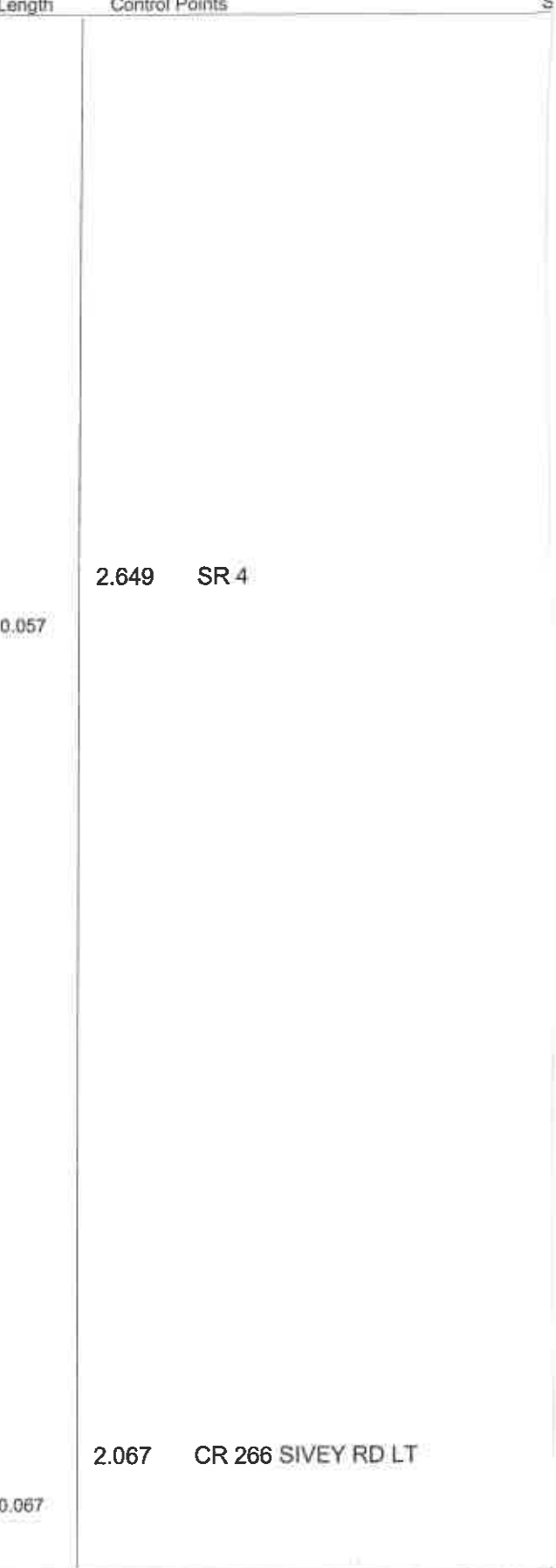
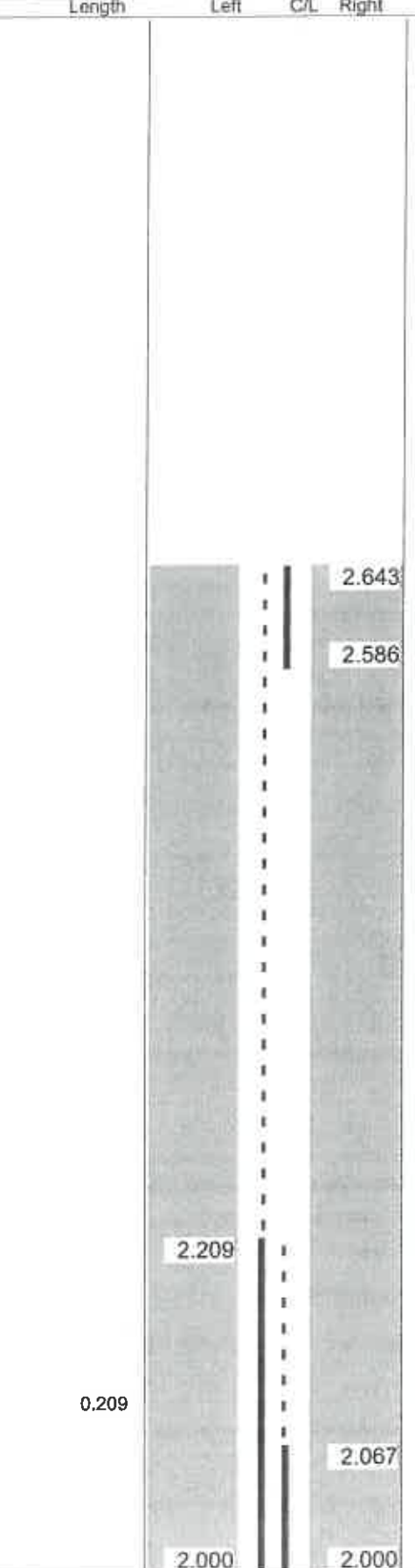
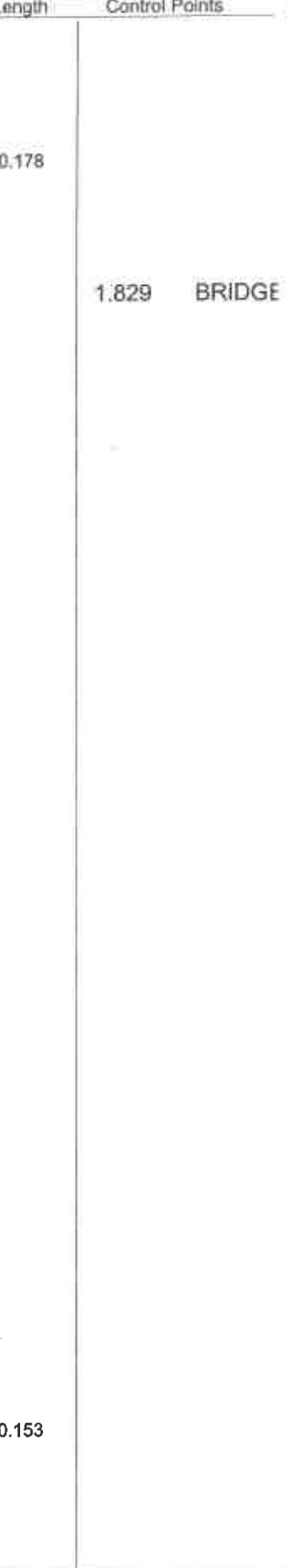
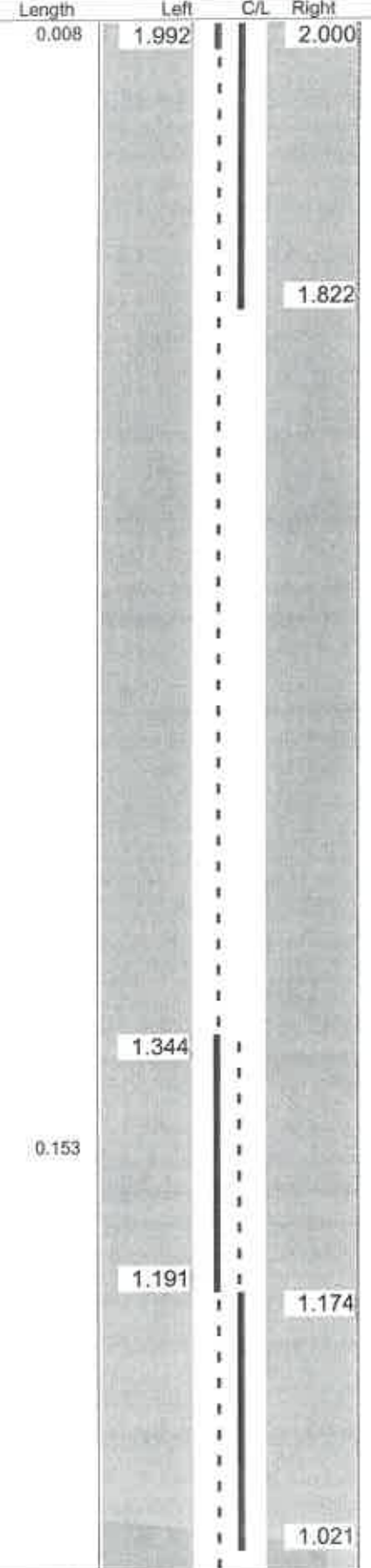
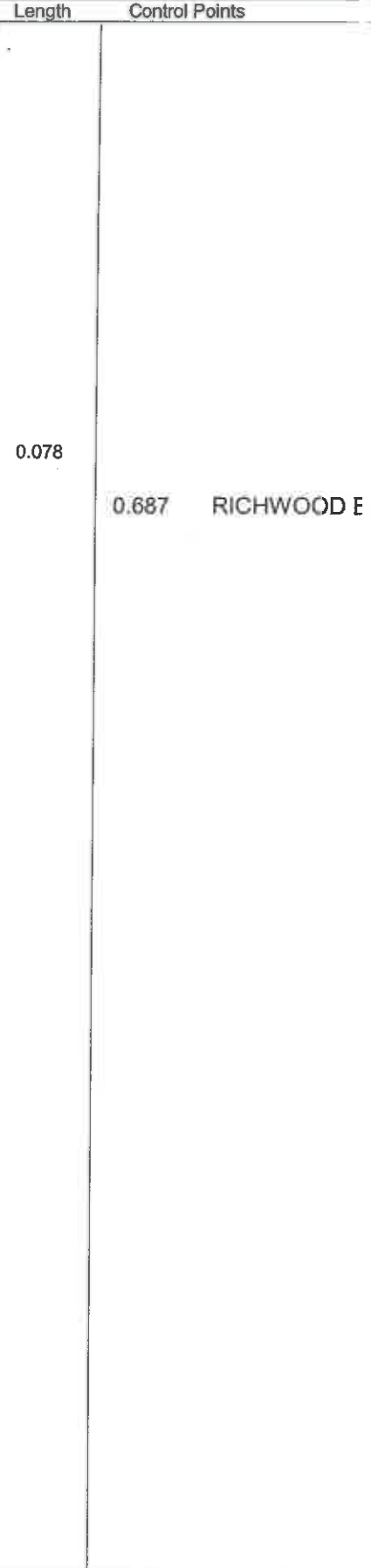
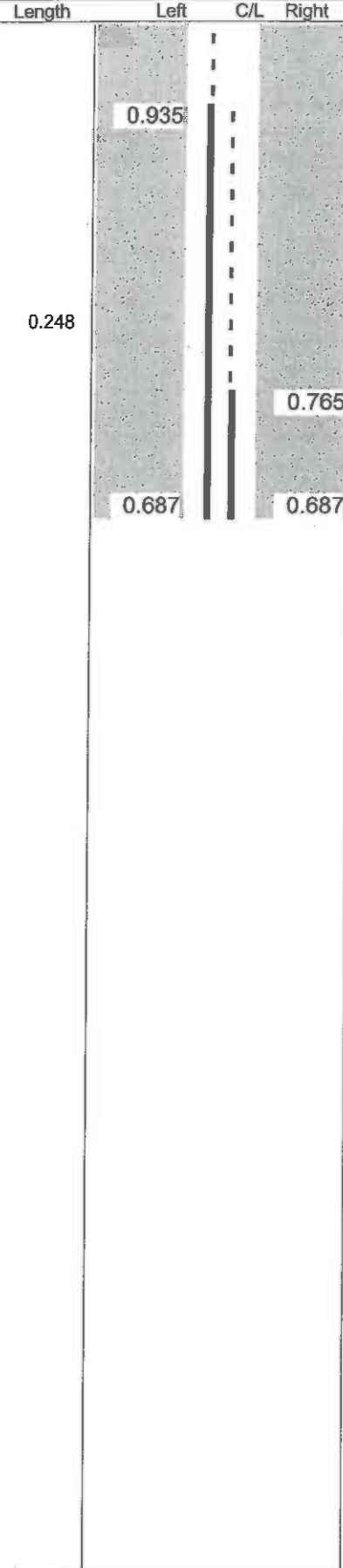
Route: 0265 (HOSKINS RD)  
 Length: 1.962 Direction: East

From: 0.687  
 To: 2.649

Route: 0265 (HOSKINS RD)  
 Length: 1.962 Direction: East

From: 1.829  
 To: 2.000

From: 0.687 RICHWOOD ECL  
 To: 2.649 SR 4



Sheet total equivalent length of solid line: 0.385 Accum. total: 0.385  
 Sheet total equivalent length of solid line: 0.740 Accum. total: 1.125  
 Sheet total equivalent length of solid line: 0.479 Accum. total: 1.604  
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CALCULATED  
 TM  
 CHECKED  
 JS

CENTER LINE PLAN LOG SHEETS  
 CR 265 HOSKINS RD

UNI-VARIOUS-2019 PM

Union County Engineering Department  
No Passing Zone Log

Route: **0191 (RAYMOND RD)**  
Length: **7.384**      Direction: **South**

From: **0.000 SR 347**  
To: **7.384 US 33 / SR 4**

Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points	Length	Left	C/L	Right	Length	Control Points
0.994	1.000		1.000	0.994		1.000	2.000		1.884	1.998	BRIDGE	0.292	3.000		2.977	2.967	CR 136 RT DOG LEG RD
										1.752	55 MPH					0.439	
										1.747	PEORIA SCL		2.708				
										1.654	CR 134 RT PAVER-BARNES RD		2.567				
										1.539	TR 174 RT PEORIA LOOP		2.538				
										1.476	RAILROAD		2.397				
										1.362	CR 125 RT LIBERTY WEST RD						
										1.336	PEORIA NCL		2.038				
										1.237	40 MPH		2.000				
										0.000	SR 347						
										1.000							
										1.000							

Sheet total equivalent length of solid line: 1.990    Accum. total: 1.990    Sheet total equivalent length of solid line: 1.913    Accum. total: 3.903    Sheet total equivalent length of solid line: 1.743    Accum. total: 5.646

CALCULATED	TM	CHECKED	JS
CENTER LINE PLAN LOG SHEETS			
CR 191 RAYMOND RD			
UNI-VARIOUS-2019 PM			
37			



# Union County Engineering Department No Passing Zone Log

Route: 0191 (RAYMOND RD)  
Length: 7.384

Direction: **South**

From: 0.000 SR 347  
To: 7.384 US 33 / SR 4

Length					Control Points			Length					Control Points		
Length	Left	C/L	Right	Length				Length	Left	C/L	Right	Length			
						5.000	5.000					6.000	5.993	0.007	
			3.943	0.101									5.837		
			3.642												
0.316			3.757												
			3.587	0.732				4.690						5.626	
			3.441					4.586						5.266	
			3.271	0.316				1.000						5.133	
			3.147											5.000	
0.147			3.000	0.101										5.000	
				0.902											
				3.512											
				3.237											
				0.101											

Sheet total equivalent length of solid line: 1.094    Accum. total: 6.740

Sheet total equivalent length of solid line: 1.798    Accum. total: 8.538

Sheet total equivalent length of solid line: 1.883    Accum. total: 10.421

CALCULATED	TM
CHECKED	JS

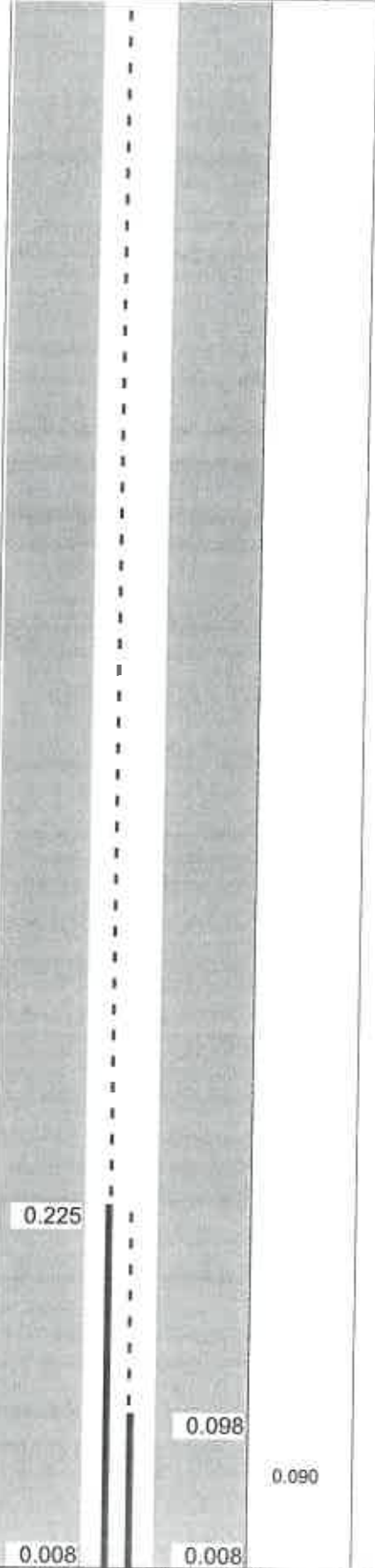
CENTER LINE PLAN LOG SHEETS  
CR 191 RAYMOND RD

UNI-VARIOUS-2019 PM



Route: 0133 (NORTHWEST PKWY)  
Length: 5.180 Direction: East

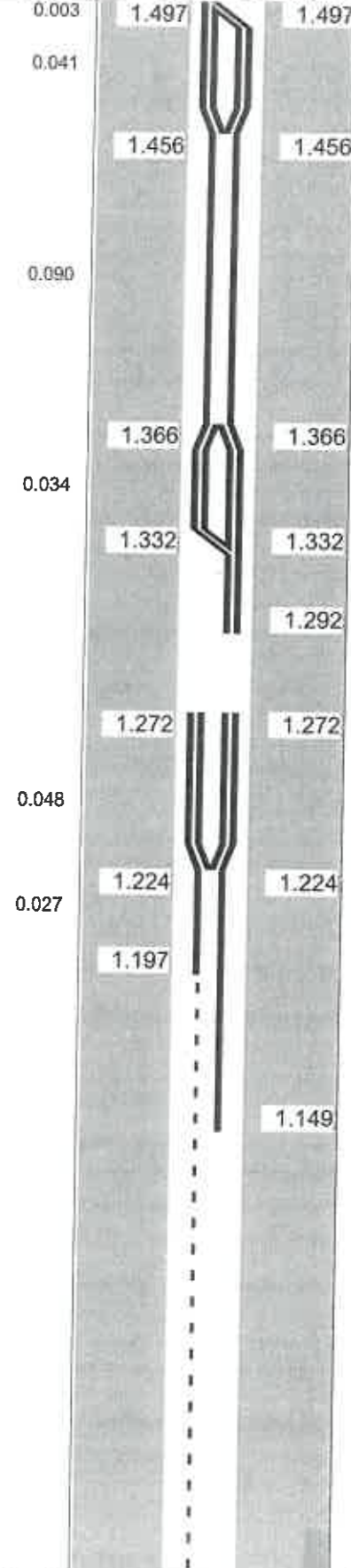
Length	Left	C/L	Right	Length
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Sheet total equivalent length of solid line: 0.535 Acc

Route: 0133 (NORTHWEST PKWY)  
Length: 5.180 Direction: East

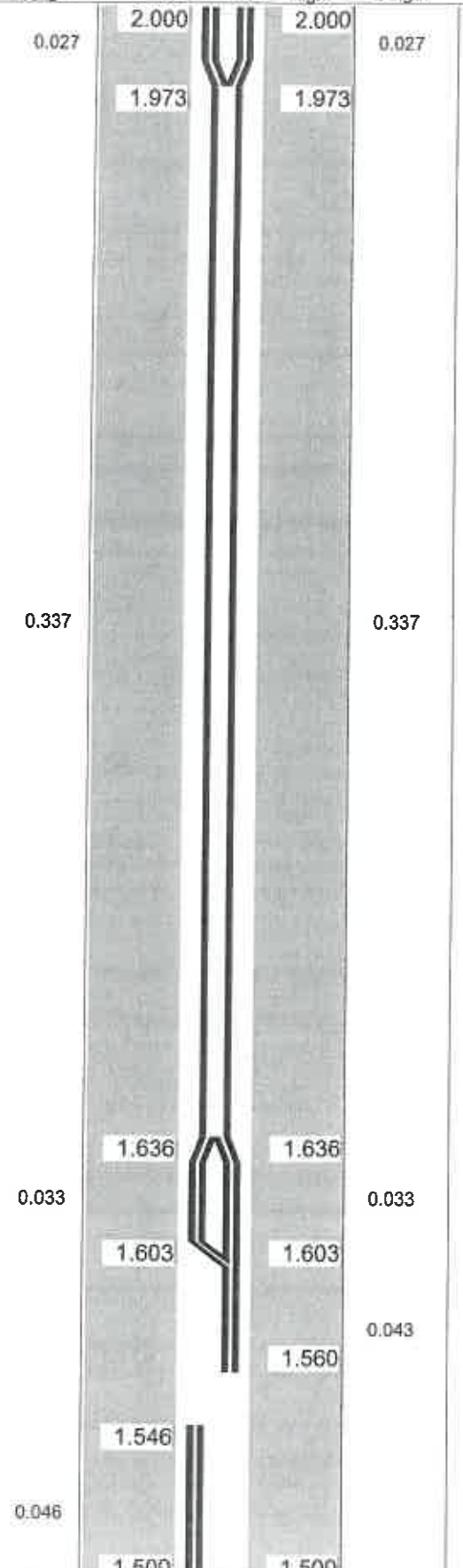
Length	Left	C/L	Right	Length
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Sheet total equivalent length of solid line: 0.905

Route: 0133 (NORTHWEST PKWY)  
Length: 5.180 Direction: East

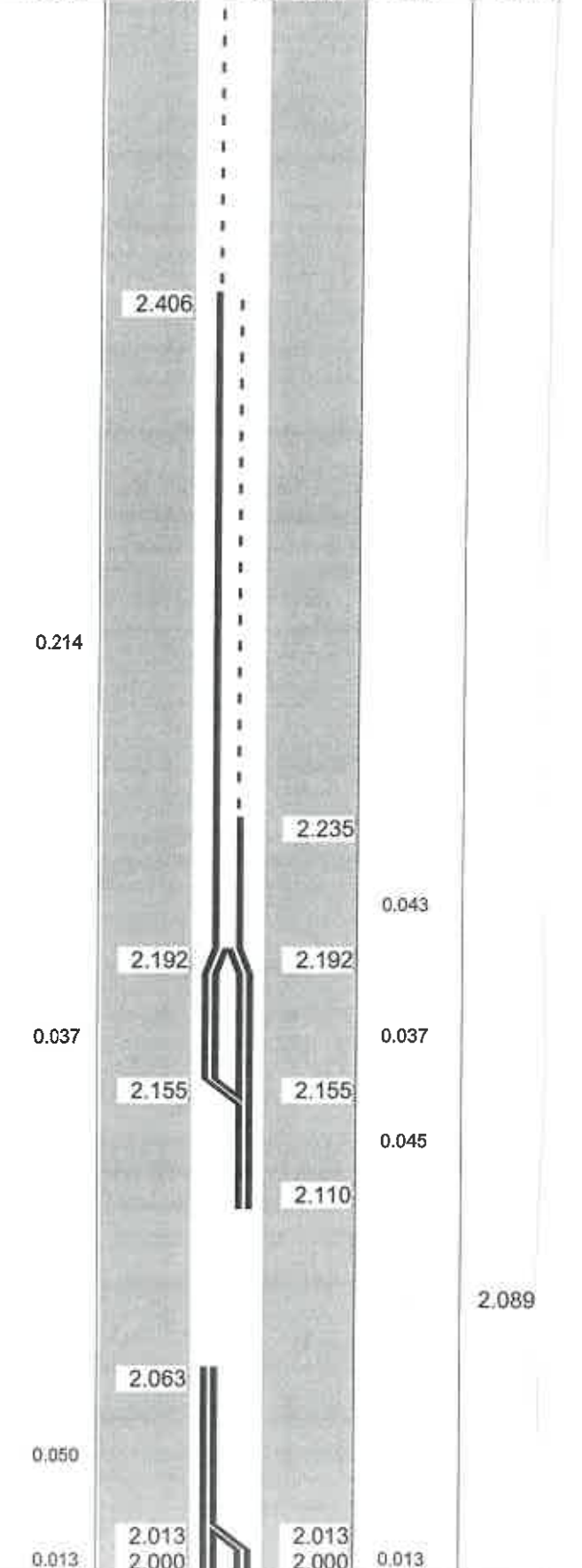
Length	Left	C/L	Right	Length
--------	------	-----	-------	--------



Sheet total equivalent length of solid line: 1.092 Acc

Route: 0133 (NORTHWEST PKWY)  
Length: 5.180 Direction: East

Length	Left	C/L	Right	Length	Contro
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Sheet total equivalent length of solid line: 0.713 Accum. to

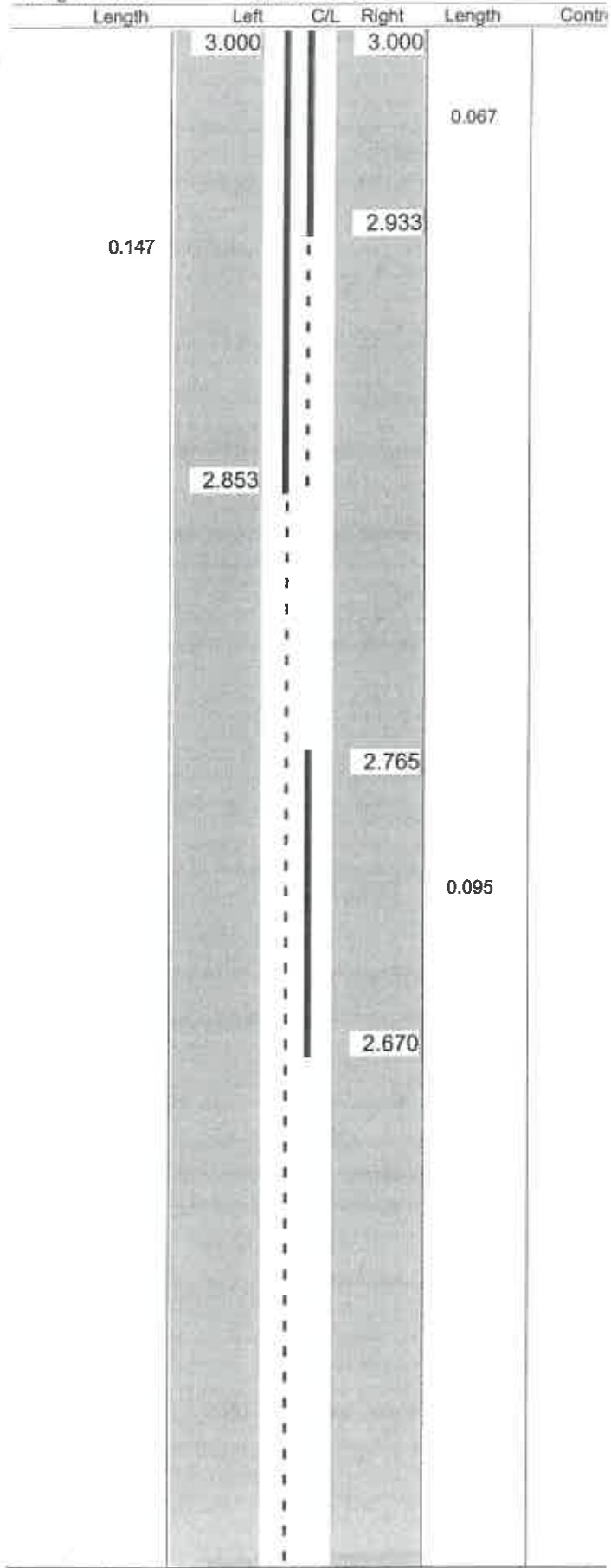
CALCULATED	TM	CHECKED	IS
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CENTER LINE PLAN LOG SHEETS  
CR 133 NORTHWEST PKWY

UNI-VARIOUS-2019 PM

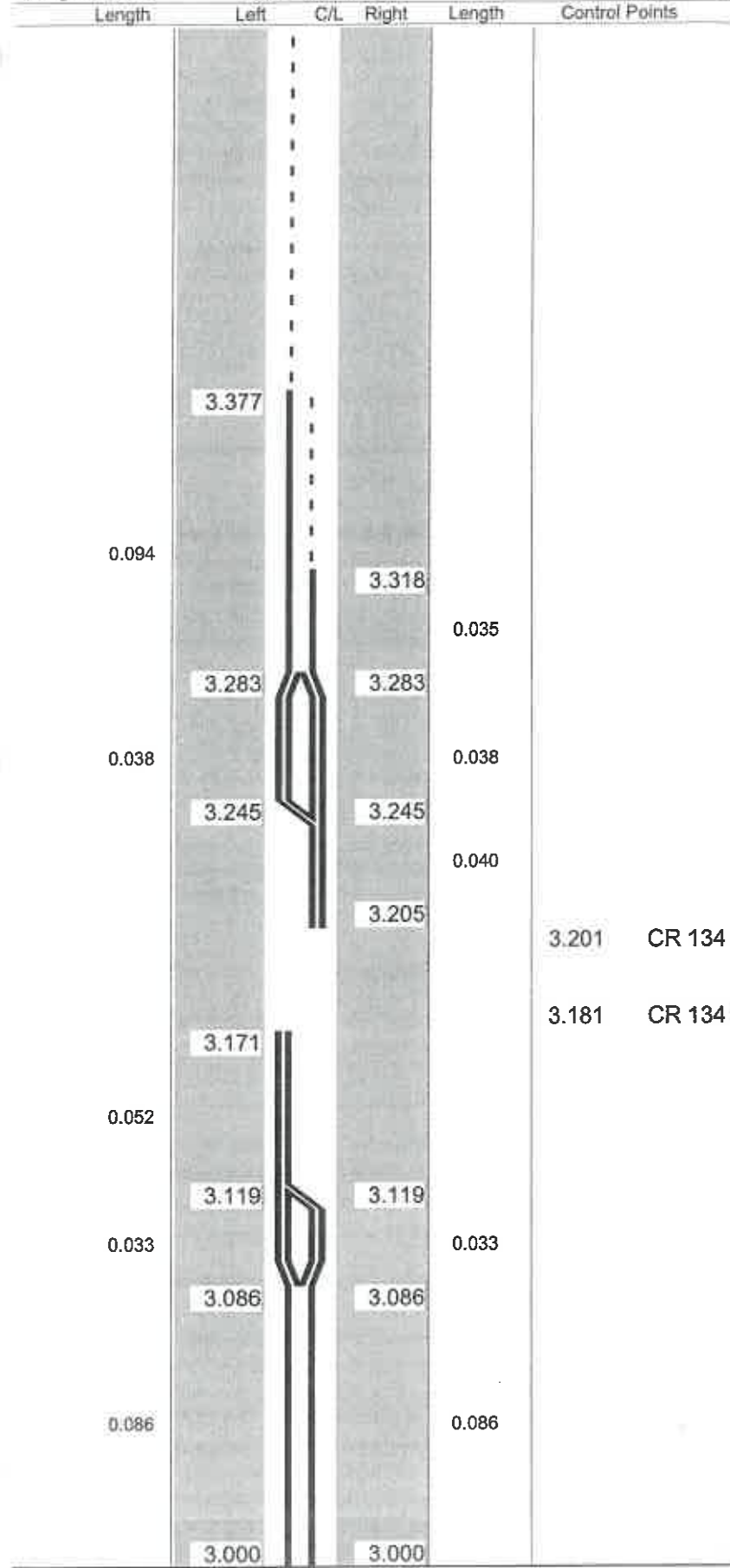
39

Route: 0133 (NORTHWEST PKWY)  
 Length: 5.180 Direction: East



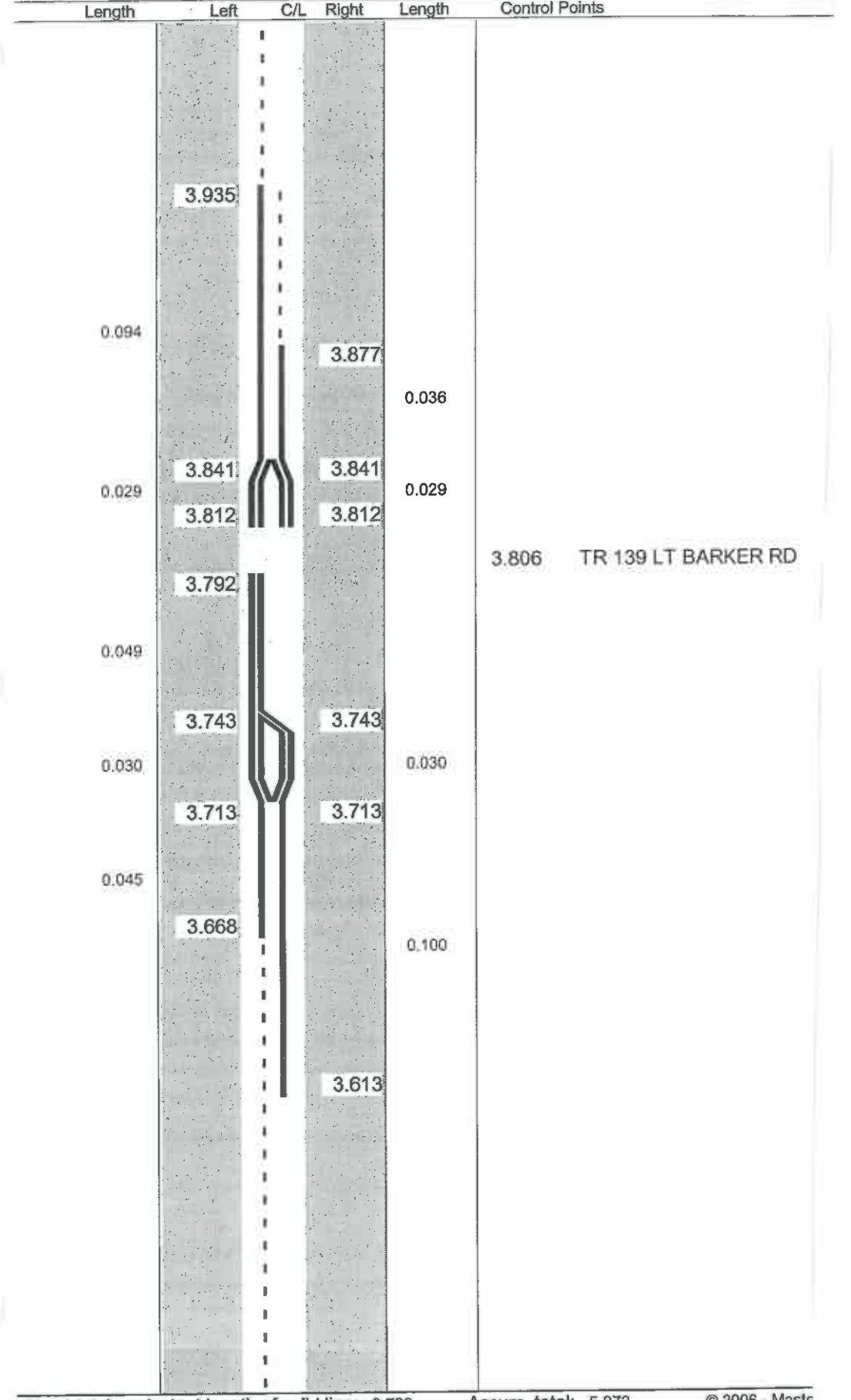
Sheet total equivalent length of solid line: 0.482 Accum. to

Route: 0133 (NORTHWEST PKWY) From: 0 To: 5  
 Length: 5.180 Direction: East



Sheet total equivalent length of solid line: 0.815 Accum. total: 4.548

Route: 0133 (NORTHWEST PKWY) From: 0.000 CR 165 HONDA To: 5.180 START 4-LANE  
 Length: 5.180 Direction: East



Sheet total equivalent length of solid line: 0.726 Accum. total: 5.272 © 2006 - Mast

CALCULATED  
 TM  
 CHECKED  
 JS

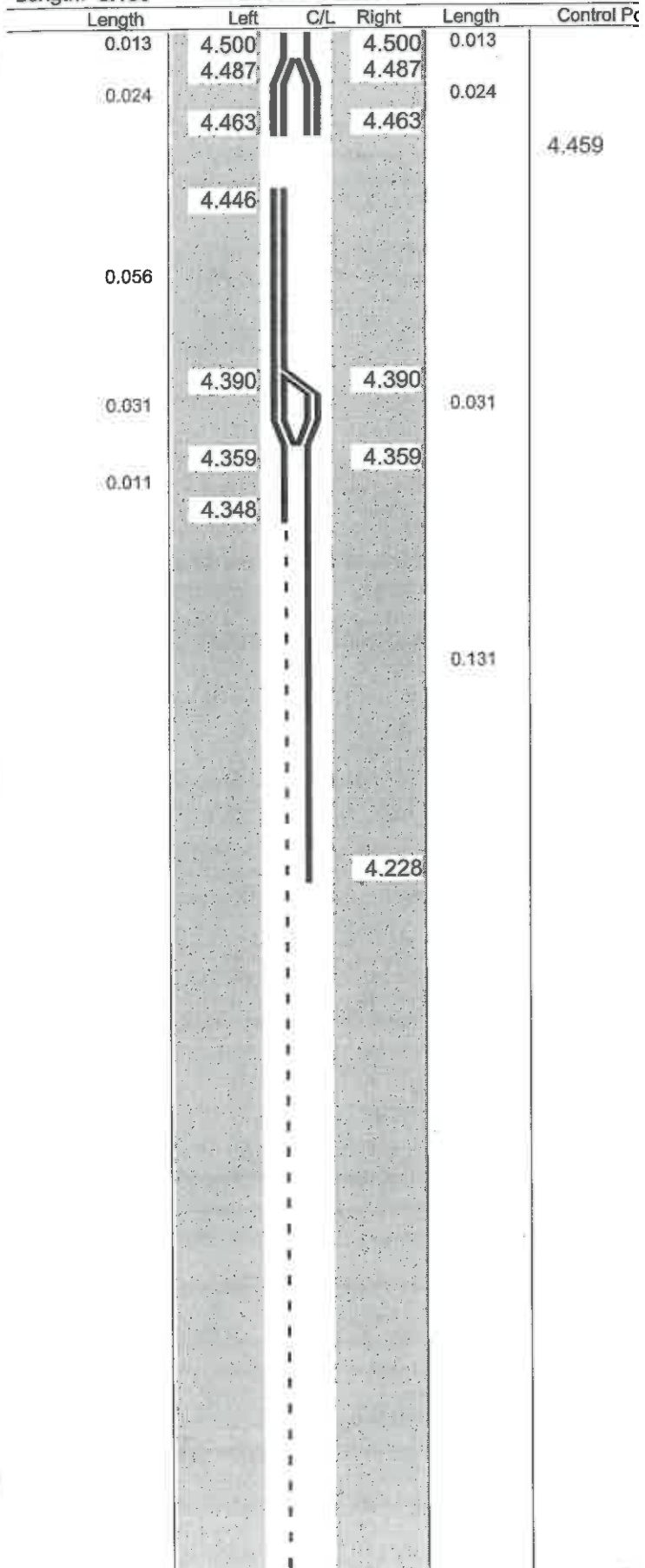
CENTER LINE PLAN LOG SHEETS  
 CR 133 NORTHWEST PKWY

UNI-VARIOUS-2019 PM

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Route: 0133 (NORTHWEST PKWY) Direction: East  
 Length: 5.180

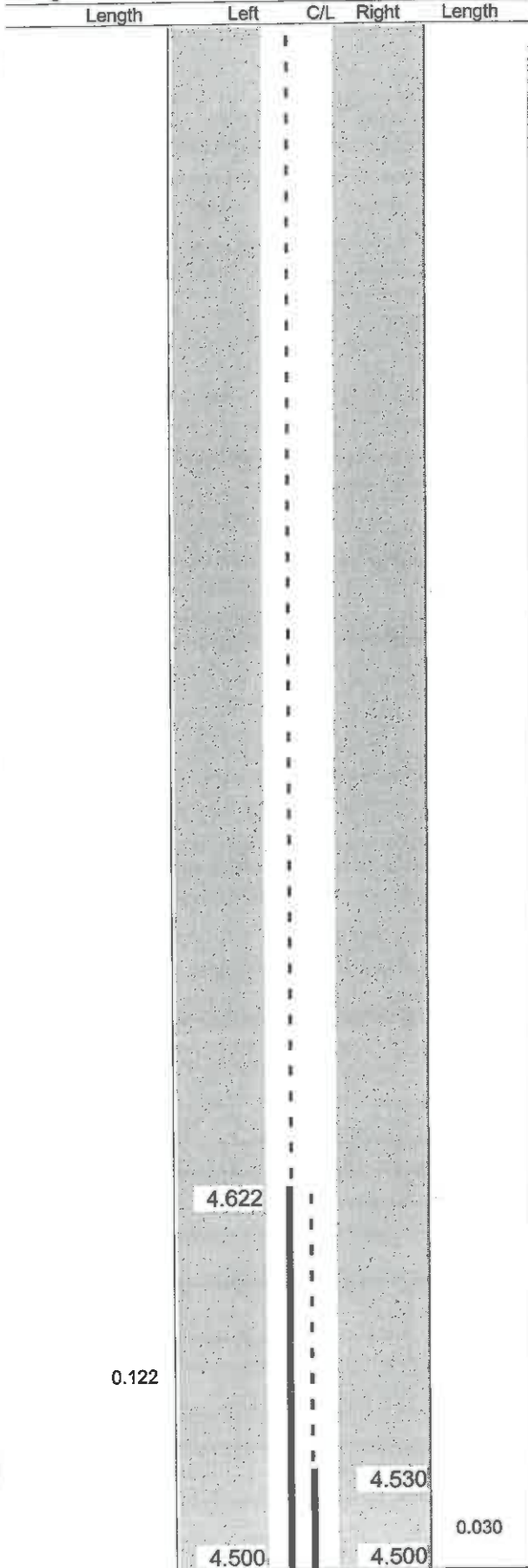
No Passing Zone



Sheet total equivalent length of solid line: 0.587 Accum. total:

Route: 0133 (NORTHWEST PKWY) Direction: East  
 Length: 5.180

No

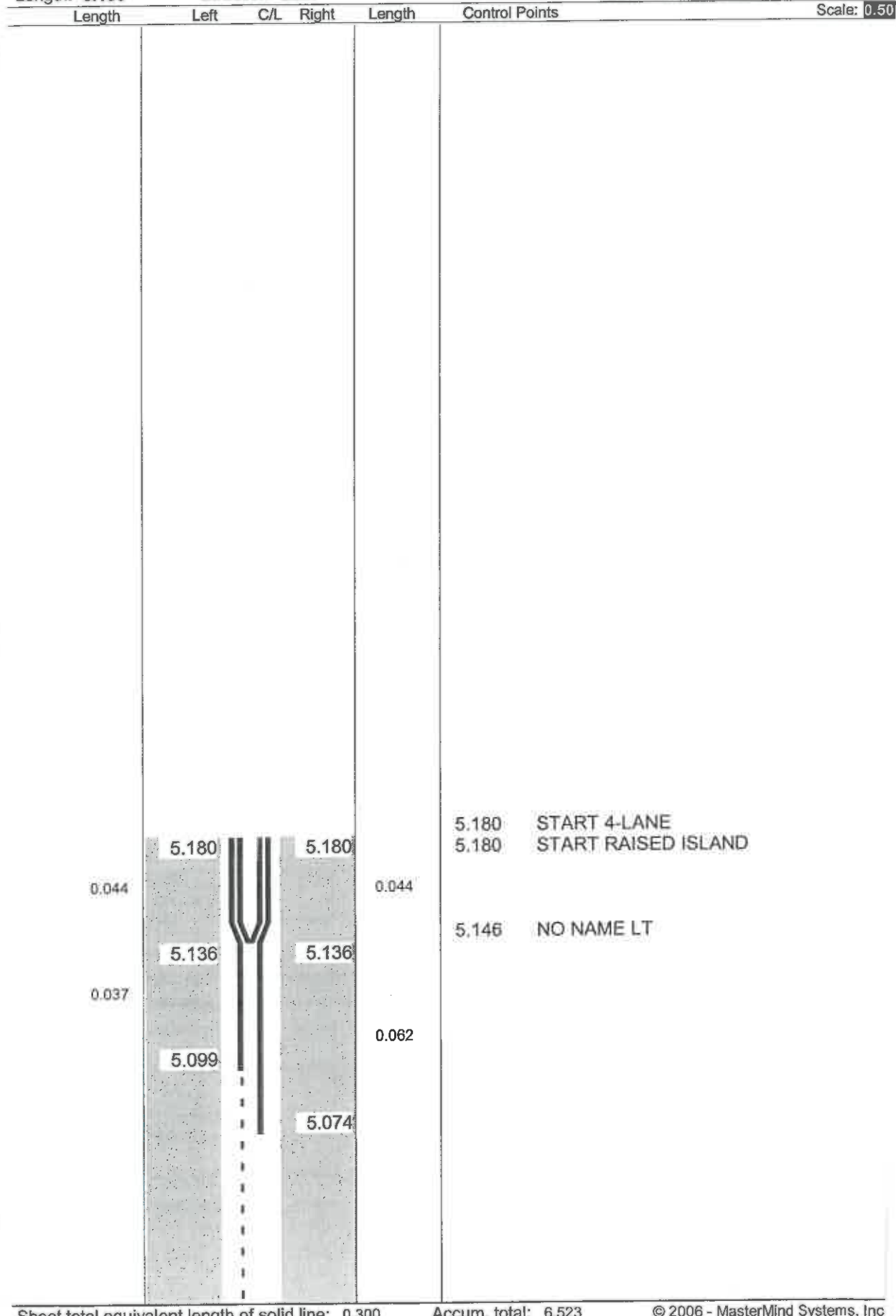


Sheet total equivalent length of solid line: 0.364 Accum. total:

Route: 0133 (NORTHWEST PKWY) Direction: East  
 Length: 5.180

No Passing Zone

From: 0.000 CR 165 HONDA PKWY  
 To: 5.180 START 4-LANE



Sheet total equivalent length of solid line: 0.300 Accum. total: 6.523 © 2006 - MasterMind Systems, Inc

CALCULATED  
 TM  
 CHECKED  
 JS

CENTER LINE PLAN LOG SHEETS  
 CR 133 NORTHWEST PKWY

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