

04-25-14 LETTING ITEM 093

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
VILLAGE OF GLEN CARBON
FAU 8896 - GLEN CARBON ROAD
RESURFACING PHASE III

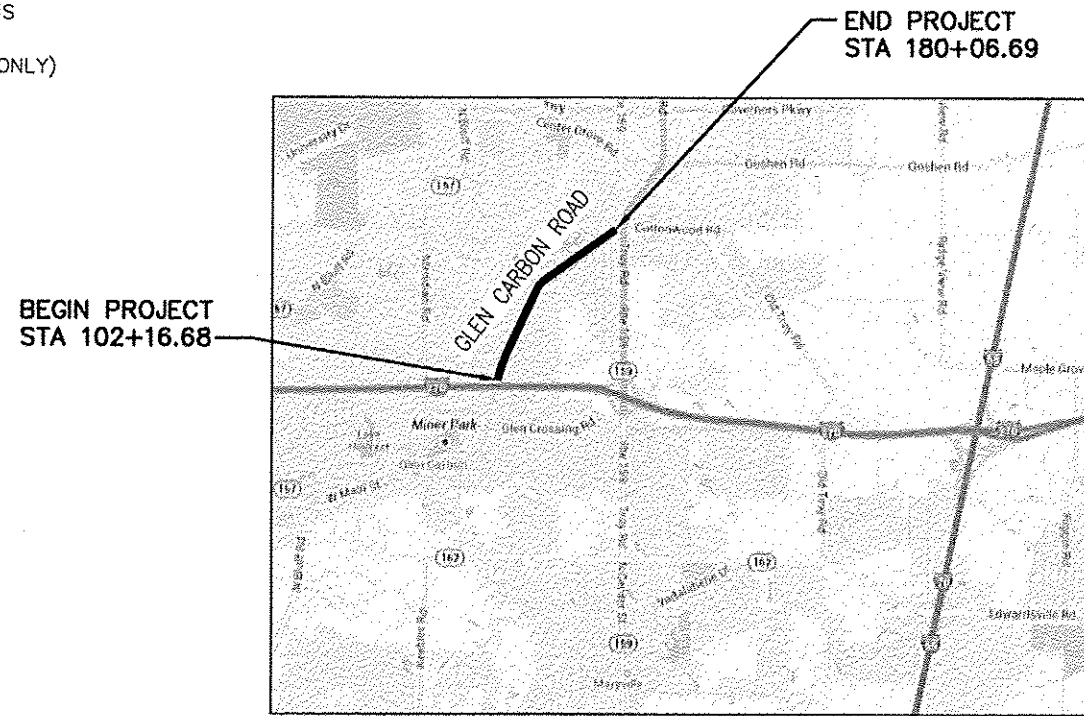
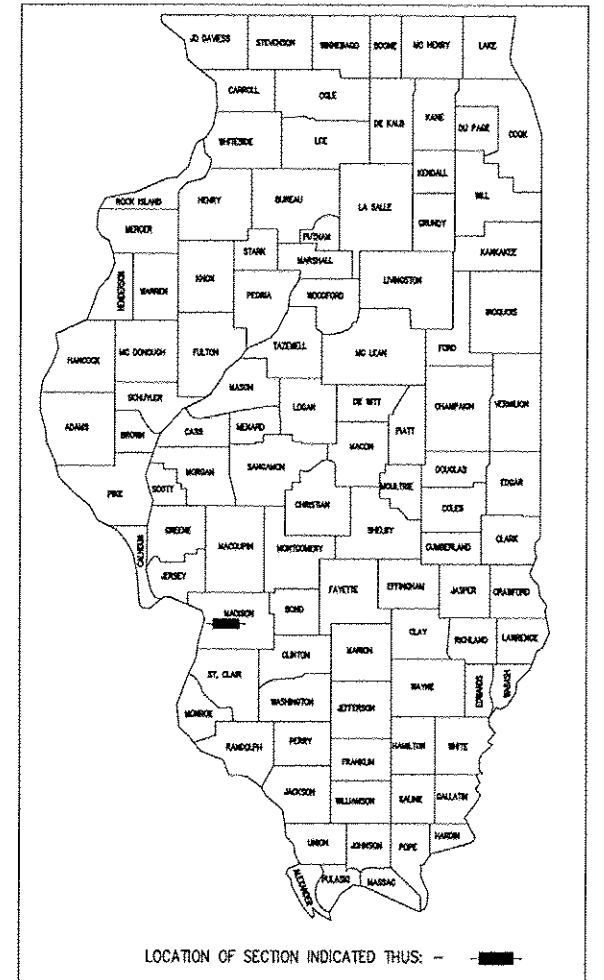
ROUTE NO	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.U. 8896	11-00018-03-RS	MADISON	1	9
FEDERAL AID PROJECT CONTRACT NO. 97555				

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES AND SUMMARY OF QUANTITIES
3	SCHEDULE OF QUANTITIES
4-5	TYPICAL SECTIONS
6-9	PLAN SHEETS

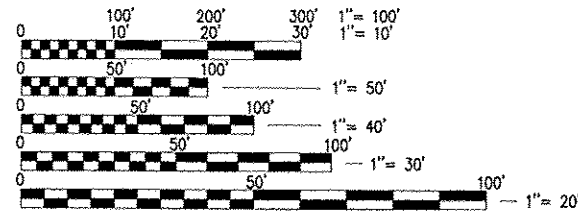
STANDARDS

- 701306-03 (LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS > 45 MPH)
- 701311-03 (LANE CLOSURE 2L, 2W MOVING OPERATIONS DAY ONLY)
- 701501-06 (URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED)
- 701901-03 (TRAFFIC CONTROL DEVICES)
- 780001-04 (TYPICAL PAVEMENT MARKING)



*NOT TO SCALE
LOCATION MAP

GROSS LENGTH PROJECT = 7,790.01 FEET (1.47 MILES)
NET LENGTH PROJECT = 7,790.01 FEET (1.47 MILES)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

F.A.U. ROUTE 8896 DESIGN DESIGNATION
ROADWAY CLASSIFICATION = MINOR ARTERIAL
DESIGN SPEED = 50 M.P.H.
CURRENT TRAFFIC (ADT) = 13,100

LIST OF UTILITIES
NONE

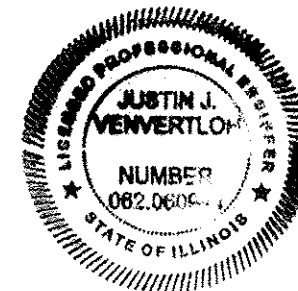
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

APPROVED *Robert J. Scholtz* 2-19-14
MAYOR OF GLEN CARBON

PASSED *Feb 21 2014*
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW *Feb 21 2014*
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Justin J. Venvertloh 2/19/14
JUSTIN J. VENVERTLOH, P.E. NO. 062-060944 DATE
EXPIRES NOVEMBER 30, 2015

PRINTED BY AUTHORITY OF
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THOUVENOT, WADE & MOERCHEN, INC.

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PROFESSIONAL REGISTRATIONS	LICENSE NO.
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MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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GENERAL NOTES

- ① NO UTILITY CONFLICTS ARE ANTICIPATED AS A PART OF THIS PROJECT, HOWEVER THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.
- ② ALL TRAFFIC CONTROL INCLUDING BUT NOT LIMITED TO, WORK ZONE, TEMPORARY, AND PERMANENT, SHALL BE FURNISHED, INSTALLED, MAINTAINED, RELOCATED, AND/OR REMOVED ACCORDING TO SECTION 700 OF THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ③ THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE VILLAGE OF GLEN CARBON AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.

COMMITMENTS: NONE

SUMMARY OF QUANTITIES

Pay Item No.	Pay Item	Unit	Pay Item Total:
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	725
40600300	AGGREGATE (PRIME COAT)	TON	31
40600990	TEMPORARY RAMP	SQ YD	24
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,643
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	96
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	28,701
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	19,043
48203100	HOT-MIX ASPHALT SHOULDERS	TON	738
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,040
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2,040
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	8,169
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19,838

*SPECIALTY ITEM

TITLE: **GENERAL NOTES AND SUMMARY OF QUANTITIES**

PROJECT: **GLEN CARBON ROAD RESURFACING PHASE III VILLAGE OF GLEN CARBON MADISON COUNTY, IL**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: _____	PDH	SHEET 2
DESIGNED BY: _____	PDH	
CHECKED BY: _____	MJK	OF <u>9</u> SHEETS
APPROVED BY: _____	MJK	
PROJECT NUMBER: T19080125C		
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MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000366

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PAVEMENT MARKINGS							
STATION	TO	STATION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE SOLID YELLOW)	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH 10'-30')	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
				FEET	FEET	FEET	FEET
102+16.68	TO	104+51.14	CENTERLINE	468.92			
104+51.14	LT	TO 110+63.25	CENTERLINE SB		612.11		
104+51.14	RT	TO 110+63.25	CENTERLINE NB			150.00	
110+63.25	TO	132+62.30	CENTERLINE			550.00	
132+62.30	RT	TO 143+04.84	CENTERLINE NB		1042.54		
132+62.30	LT	TO 143+04.84	CENTERLINE SB			260.00	
143+04.84	TO	144+34.29	CENTERLINE	258.90			
144+34.29	RT	TO 154+15.54	CENTERLINE NB			250.00	
144+34.29	LT	TO 154+15.54	CENTERLINE SB		981.25		
154+15.54	TO	176+71.97	CENTERLINE			570.00	
176+71.97	RT	TO 180+06.69	CENTERLINE NB		334.72		
176+71.97	LT	TO 180+06.69	CENTERLINE SB			80.00	
102+16.68	RT	TO 111+28.25	NB EDGE LINE				911.57
102+16.68	LT	TO 111+13.91	SB EDGE LINE				897.23
111+72.51	LT	TO 114+59.55	SB EDGE LINE				287.04
112+05.25	RT	TO 117+52.05	NB EDGE LINE				546.80
115+17.18	LT	TO 124+00.78	SB EDGE LINE				883.60
118+03.25	RT	TO 121+31.15	NB EDGE LINE				327.90
121+87.65	RT	TO 124+29.05	NB EDGE LINE				241.40
124+61.25	LT	TO 126+25.25	SB EDGE LINE				174.00
124+99.05	RT	TO 127+63.85	NB EDGE LINE				264.80
126+79.25	LT	TO 134+88.44	SB EDGE LINE				809.19
128+08.85	RT	TO 129+63.15	NB EDGE LINE				154.30
130+08.55	RT	TO 131+99.85	NB EDGE LINE				191.30
132+40.69	RT	TO 152+97.72	NB EDGE LINE				2057.03
135+33.44	LT	TO 140+48.49	SB EDGE LINE				515.05
141+12.34	LT	TO 145+31.02	SB EDGE LINE				418.68
145+75.47	LT	TO 155+50.61	SB EDGE LINE				975.14
153+39.74	RT	TO 155+48.57	NB EDGE LINE				208.83
156+10.82	LT	TO 169+77.86	SB EDGE LINE				1367.04
156+28.52	RT	TO 166+45.99	NB EDGE LINE				1017.47
167+13.85	RT	TO 169+75.90	NB EDGE LINE				262.05
170+04.54	LT	TO 171+59.24	SB EDGE LINE				154.70
170+40.54	RT	TO 173+84.41	NB EDGE LINE				353.87
171+86.33	LT	TO 175+00.54	SB EDGE LINE				314.21
174+70.61	RT	TO 178+31.30	NB EDGE LINE				360.69
175+43.84	LT	TO 180+06.69	SB EDGE LINE				462.85
178+83.86	RT	TO 180+06.69	NB EDGE LINE				122.83
SUB-TOTAL:				727.82	2970.62	1860.00	14279.57
TOTAL:						19838.01	

PAVING SCHEDULE								
LOCATION	HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"	HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70	HOT-MIX ASPHALT SHOULDERS	AREA REFLECTIVE CRACK CONTROL TREATMENT	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE (PRIME COAT)	BIT. MATERIALS (PRIME COAT)	TEMPORARY RAMP
	SQ YD	TON	TON	SQ YD	TON	TON	GALLON	SQ YD
STA 102+16.68 TO 180+06.69	19,042.25	1,642.39		19,042.25		29		24
SHLDR RT 102+16.68 TO 104+02.40	77.38		6.67				5.80	
SHLDR RT 104+02.40 TO 155+48.57	2,858.98		246.59				214.42	
SHLDR RT 156+28.52 TO 180+06.69	1,321.21		113.95				99.09	
SHLDR LT 102+16.68 TO 105+03.97	119.70		10.32				8.98	
SHLDR LT 105+03.97 TO 180+06.69	4,168.18		359.51				312.61	
E. INGLE DRIVE	262.66				22.65	0.39	19.70	
W. INGLE DRIVE	78.50				6.77	0.12	5.89	
AUTUMN GLEN DRIVE	96.70				8.34	0.15	7.25	
OAKDALE LAKE DRIVE	123.22				10.63	0.18	9.24	
ASH ROAD	47.10				4.06	0.07	3.53	
LAKEWOOD DRIVE	88.88				7.67	0.13	6.67	
MARK TRAIL DRIVE	145.22				12.53	0.22	10.89	
LUCINDA DRIVE	148.22				12.78	0.22	11.12	
GRAINY DRIVE	122.33				10.55	0.18	9.17	
TOTAL	28,700.63	1,642.39	737.04	19,042.25	95.98	30.23	724.37	24

SCHEDULE OF QUANTITIES

**GLEN CARBON ROAD
RESURFACING PHASE III
VILLAGE OF GLEN CARBON
MADISON COUNTY, IL**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: PDH	SHEET
DESIGNED BY: PDH	3
CHECKED BY: MJK	OF 9 SHEETS
APPROVED BY: MJK	
PROJECT NUMBER: T19080125C	
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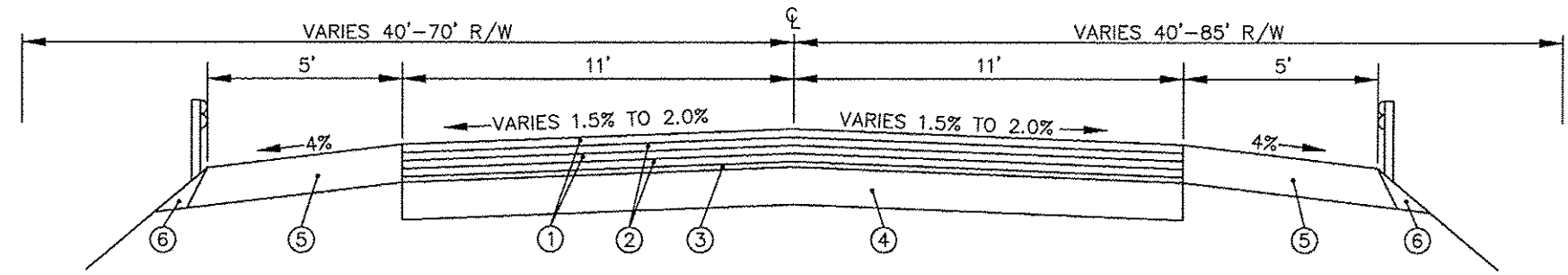
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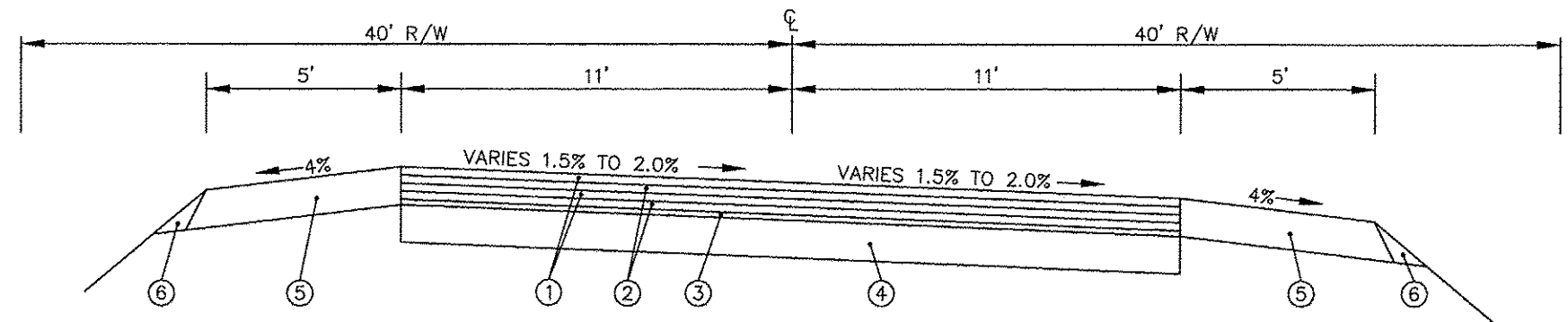
- LEGEND**
- ① EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 2"
 - ② EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1.5"
 - ③ EXISTING LEVELING BINDER, VARIOUS THICKNESS
 - ④ EXISTING BITUMINOUS CONCRETE BASE COURSE, 6"±
 - ⑤ EXISTING BITUMINOUS SHOULDER
 - ⑥ EXISTING AGGREGATE WEDGE



EXISTING TYPICAL SECTION

STA 102+16.68 TO STA 139+79.00
 STA 148+21.00 TO STA 180+06.69

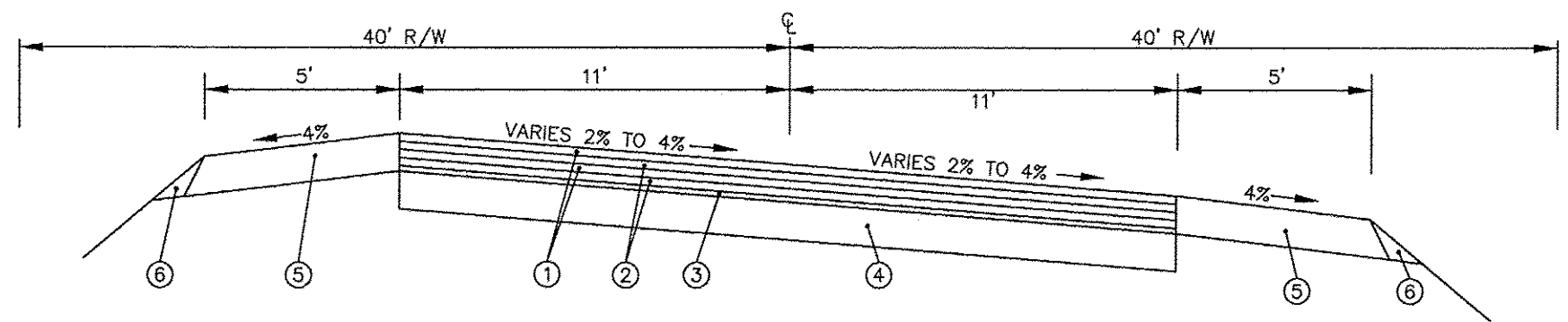
* EXISTING GUARDRAIL D.N.D. STA 102+16.68 TO STA 105+00.00



EXISTING TYPICAL SECTION

STA 139+79.00 TO STA 141+00.00
 STA 147+00.00 TO STA 148+21.00

(LOCATION OF TRANSITIONS FOR SUPER ELEVATION)



EXISTING TYPICAL SECTION

STA 141+00.00 TO STA 147+00.00

(LOCATION OF FULL SUPER ELEVATION)

EXISTING TYPICAL SECTIONS

**GLEN CARBON ROAD
RESURFACING PHASE III
VILLAGE OF GLEN CARBON
MADISON COUNTY, IL**

REV.	DATE	DESCRIPTION
▲		
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DRAWN BY:	PDH	SHEET
DESIGNED BY:	PDH	4
CHECKED BY:	M.B.C.	OF 9 SHEETS
APPROVED BY:	M.B.C.	
PROJECT NUMBER:	T19080125C	

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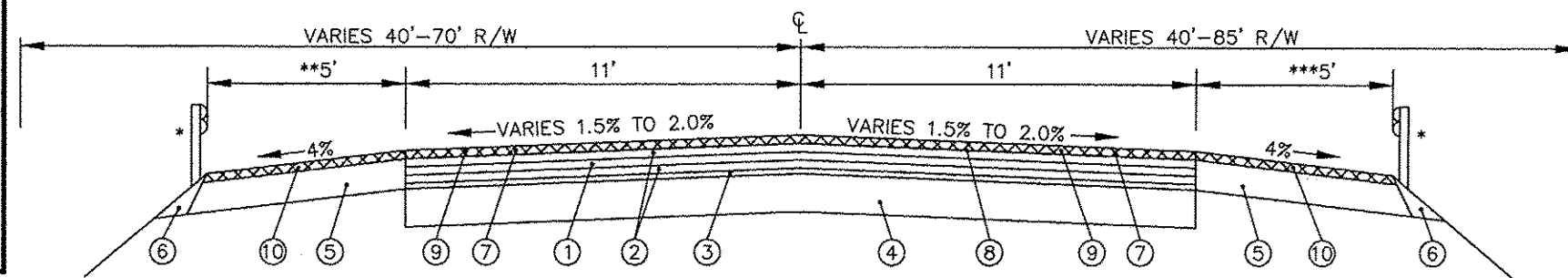
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MISSOURI PROFESSIONAL ENGR. CORP.	NC 001928
MISSOURI LAND SURVEYING CORP.	NC 000346

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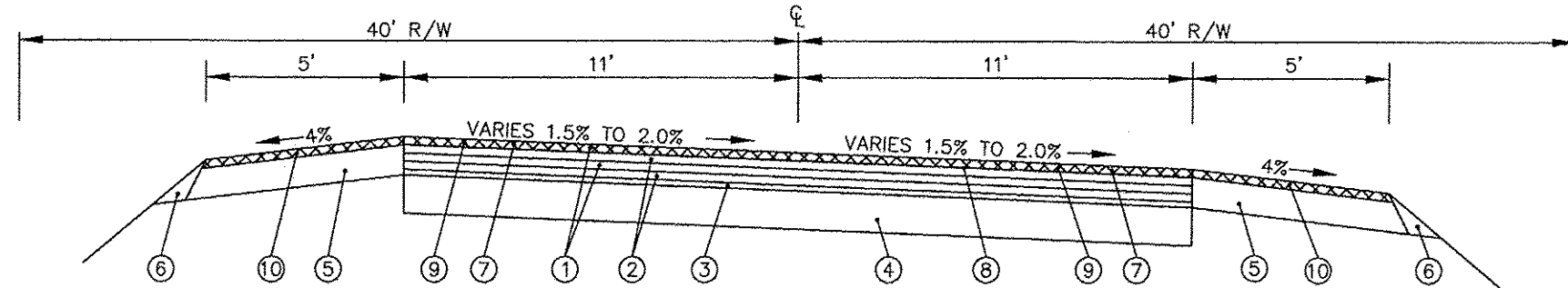
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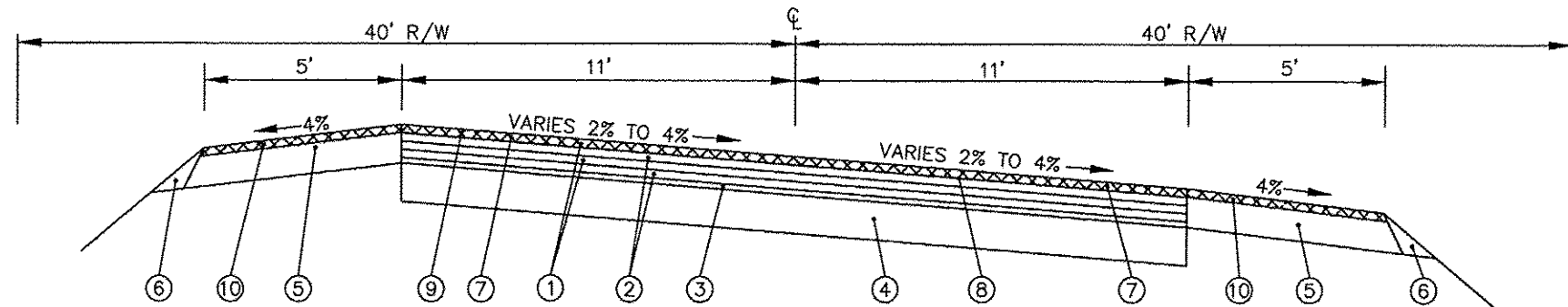
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 - ④ EXISTING BITUMINOUS CONCRETE BASE COURSE, 6"±
 - ⑤ EXISTING BITUMINOUS SHOULDER
 - ⑥ EXISTING AGGREGATE WEDGE
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1.5"
 - ⑧ PROPOSED AREA REFLECTIVE CRACK CONTROL TREATMENT
 - ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
 - ⑩ PROPOSED HOT-MIX ASPHALT SHOULDERS, 1.5"



PROPOSED TYPICAL SECTION
STA 102+16.68 TO STA 139+76.00
STA 148+21.00 TO STA 180+06.69
*EXISTING GUARDRAIL D.N.D. STA 102+16.68 TO 105+03.97
**WIDTH VARIES 2.5'-5' STA 102+16.68 TO STA 105+03.97 LT
***WIDTH VARIES 2.5'-5' STA 102+16.68 TO STA 104+02.40 RT
(EXISTING DRIVING LANES AND SHOULDERS TO BE MILLED AT 1.5" DEPTH)



PROPOSED TYPICAL SECTION
STA 139+76.00 TO STA 141+00.00
STA 147+00.00 TO STA 148+21.00
(LOCATION OF TRANSITIONS FOR SUPER ELEVATION)
(EXISTING DRIVING LANES AND SHOULDERS TO BE MILLED AT 1.5" DEPTH)



PROPOSED TYPICAL SECTION
STA 141+00.00 TO STA 147+00.00
(LOCATION OF FULL SUPER ELEVATION)

PROPOSED TYPICAL SECTIONS

**GLEN CARBON ROAD
RESURFACING PHASE III
VILLAGE OF GLEN CARBON
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REV.	DATE	DESCRIPTION
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ST. LOUIS, MISSOURI 63101
TEL (314) 241-8300
FAX (314) 241-2391
- ST. CHARLES OFFICE**
400 N. 5TH STREET, SUITE 101
ST. CHARLES, MISSOURI 63301
TEL (636) 724-8300
FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL CHEMISTRY CORP.	82-03570
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-00502
ILLINOIS PROF. LAND SURVEYING CORP.	048-00009
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	MC 000348

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

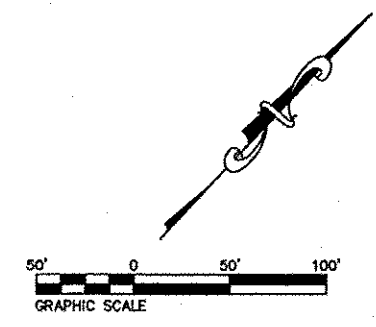
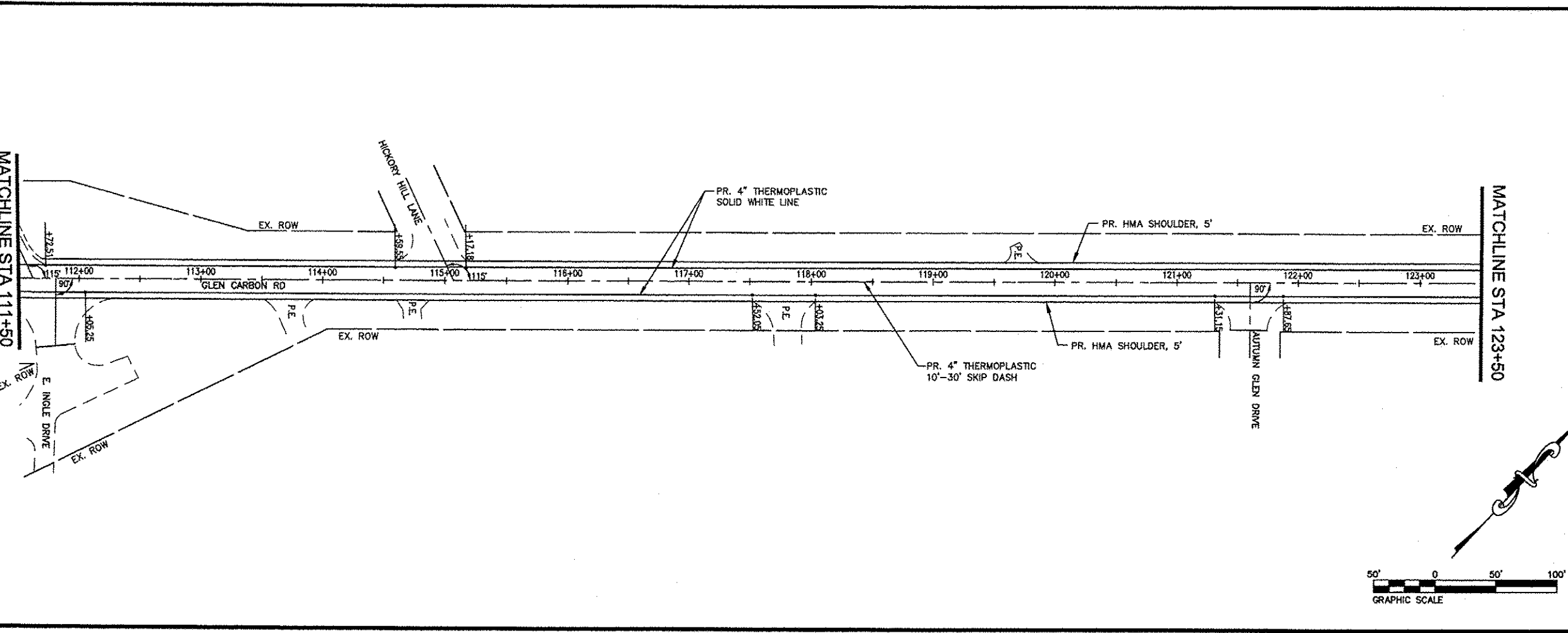
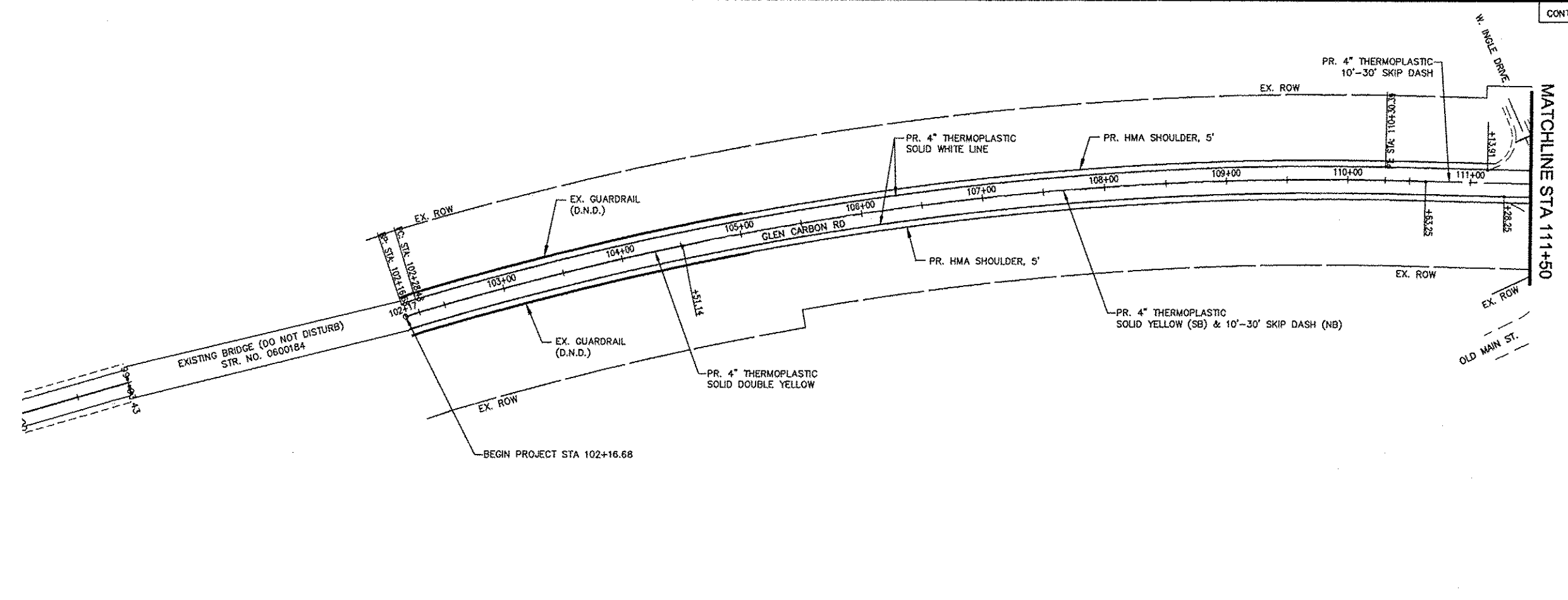
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ROADWAY PLAN

**GLEN CARBON ROAD
RESURFACING PHASE III
VILLAGE OF GLEN CARBON
MADISON COUNTY, IL**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: PDH	SHEET
DESIGNED BY: PDH	6
CHECKED BY: MJK	OF 9 SHEETS
APPROVED BY: MJK	
PROJECT NUMBER: T19080125C	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



THOUVENOT, WADE & MOERCHEN, INC.
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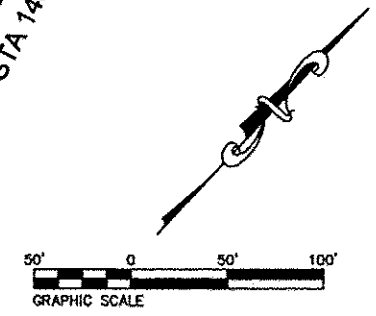
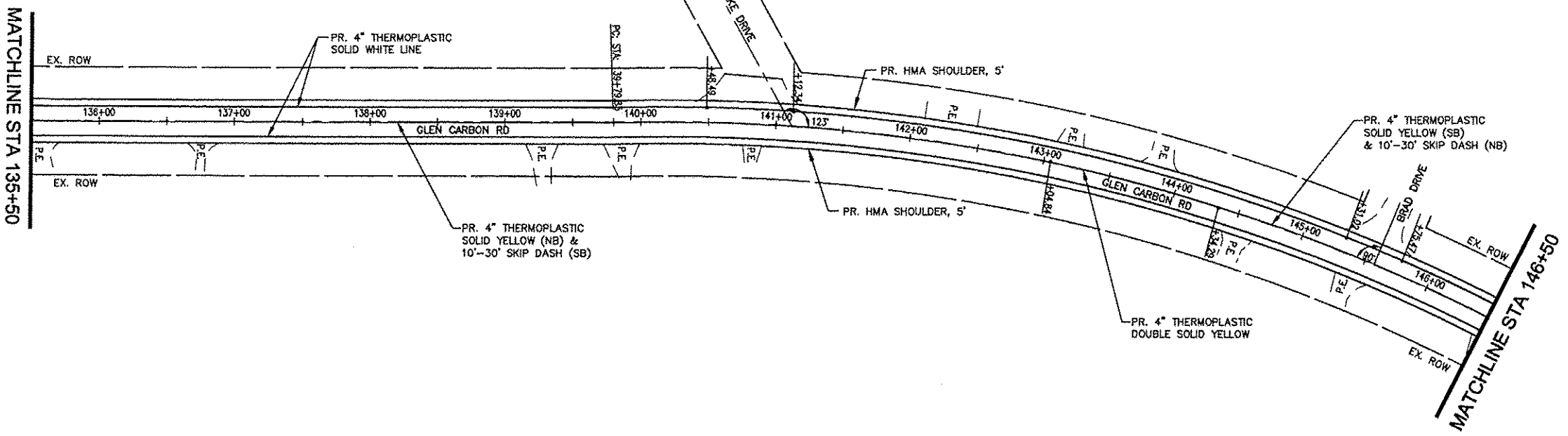
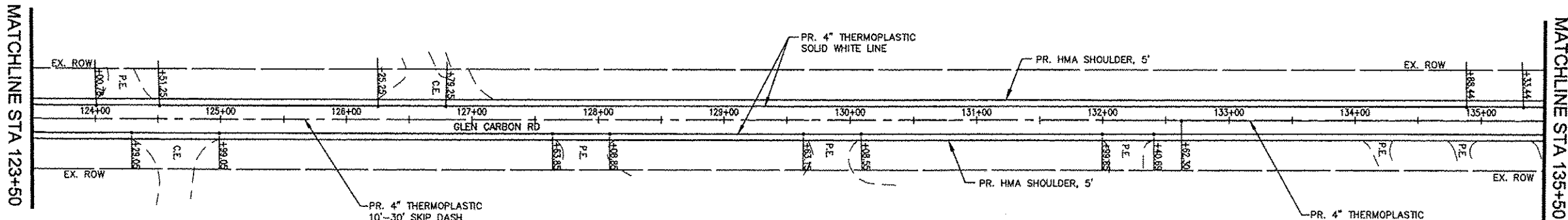
- CORPORATE OFFICE**
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TEL (618) 624-4488
FAX (618) 624-8688
- WATERLOO OFFICE**
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WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
- EDWARDSVILLE OFFICE**
600 COUNTRY CLUB VIEW, SUITE 1
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
- ST. LOUIS OFFICE**
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ST. CHARLES, MISSOURI 63301
TEL (636) 724-8300
FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	194-01120
PROFESSIONAL ENGINEERING CORP.	62-03570
PROFESSIONAL STRUCTURAL ENGR. CORP.	01-00502
ILLINOIS PROF. LAND SURVEYING CORP.	048-00029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001578
MISSOURI LAND SURVEYING CORP.	MC 000348

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ROADWAY PLAN

GLEN CARBON ROAD RESURFACING PHASE III VILLAGE OF GLEN CARBON MADISON COUNTY, IL

REV.	DATE	DESCRIPTION
▲		
▲		
▲		

DRAWN BY: _____	PDH	SHEET
DESIGNED BY: _____	PDH	7
CHECKED BY: _____	MJK	OF 9 SHEETS
APPROVED BY: _____	MJK	
PROJECT NUMBER	T19080125C	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

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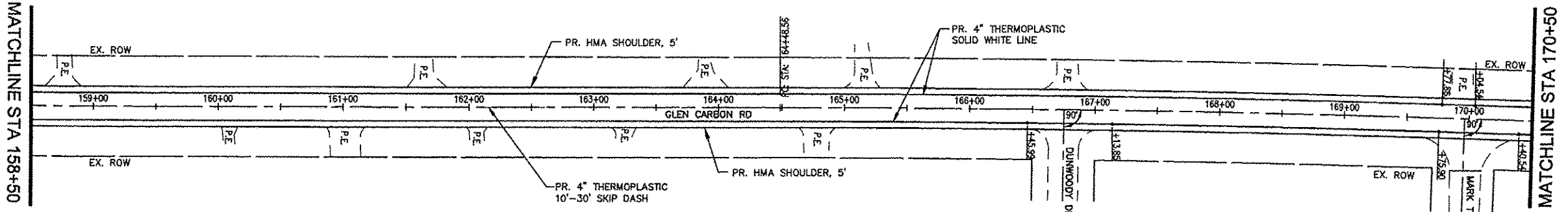
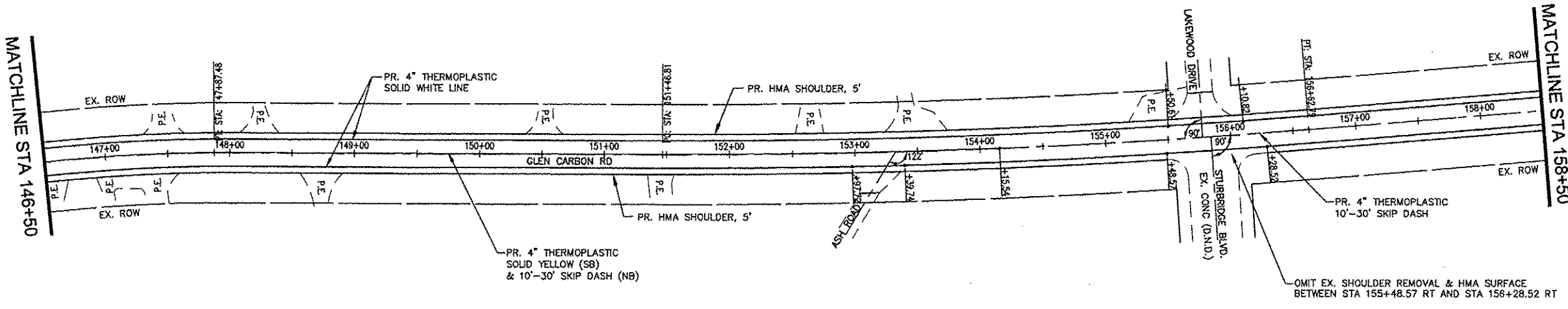
- CORPORATE OFFICE**
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ST. CHARLES, MISSOURI 63301
TEL (636) 724-8300
FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-03370
PROFESSIONAL STRUCTURAL ENGR. CORP.	61-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000229
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000366

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Expiration Date: _____

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ROADWAY PLAN

**GLEN CARBON ROAD
RESURFACING PHASE III
VILLAGE OF GLEN CARBON
MADISON COUNTY, IL**

REV.	DATE	DESCRIPTION
▲		
▲		
▲		

DRAWN BY:	PDH	SHEET
DESIGNED BY:	PDH	8
CHECKED BY:	MJK	OF 9 SHEETS
APPROVED BY:	MJK	
PROJECT NUMBER	T19080125C	

- ISSUED FOR REVIEW
- ISSUED FOR BIDDING
- ISSUED FOR CONSTR.
- REDDRO DRAWING

**THOUVENOT,
WADE &
MOERCHEN, INC.**
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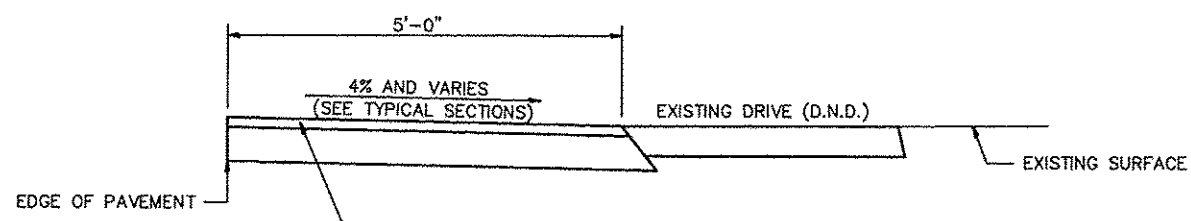
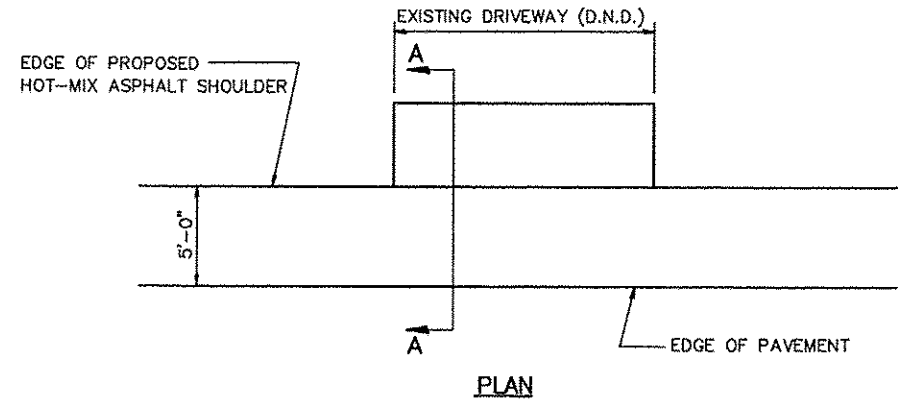
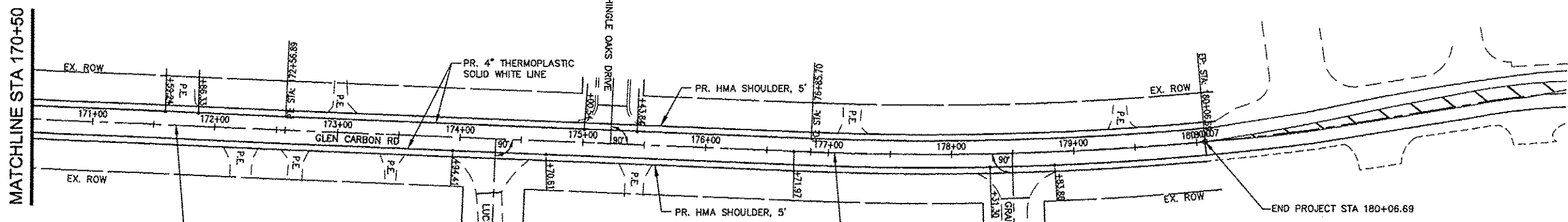
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TEL (636) 724-8300
FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-053770
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-025282
ILLINOIS PROF. LAND SURVEYING CORP.	048-000028
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000348

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EXISTING HMA SHOULDER TO BE MILLED 1.5"
PROPOSED HMA SHOULDER, 1.5"
(REFER TO TYPICAL SECTIONS FOR
ADDITIONAL INFORMATION)

SECTION A-A
DRIVEWAY/ SIDEROAD DETAIL
ADJACENT TO HMA SHOULDER

ROADWAY PLAN

**GLEN CARBON ROAD
RESURFACING PHASE III
VILLAGE OF GLEN CARBON
MADISON COUNTY, IL**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: PDH	SHEET
DESIGNED BY: PDH	9
CHECKED BY: M.J.K.	OF 9 SHEETS
APPROVED BY: M.J.K.	
PROJECT NUMBER: T19080125C	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

