

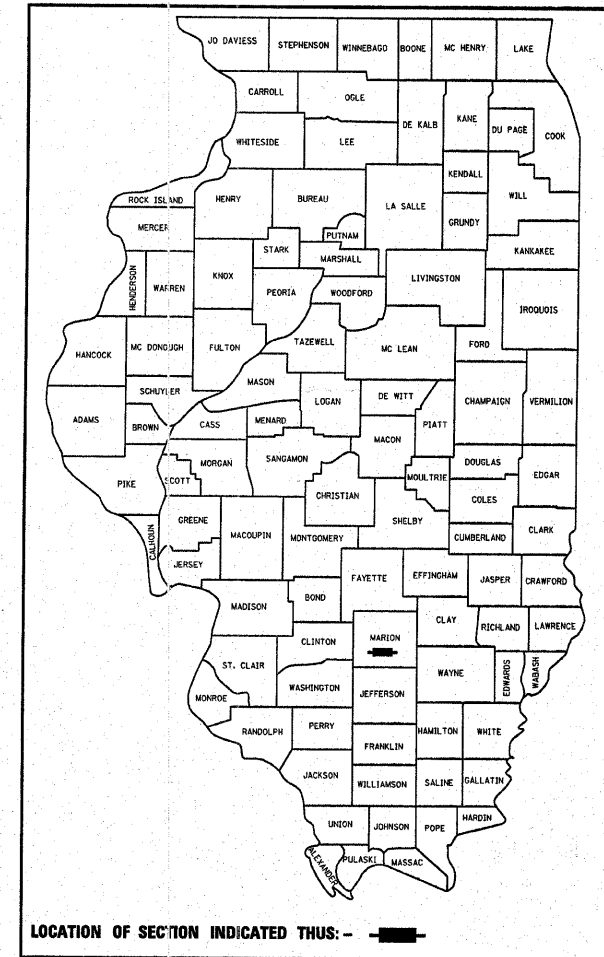
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 805 (IL 161)  
SECTION (101,102,61-1-1)RS

MARION COUNTY  
RESURFACING, WIDENING  
C-98-003-08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76B33		

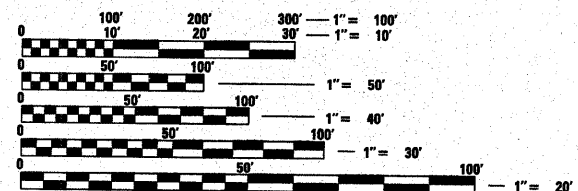
D-98-007-08



**INDEX OF SHEETS**

1. COVER SHEET
2. GENERAL NOTES & STANDARDS
3. SUMMARY OF QUANTITIES
4. ROADWAY LAYOUT
- 5-7. SCHEDULES
- 8-9. TYPICAL SECTIONS
- 10-30. PLAN VIEW SHEETS
- 31-51. PAVEMENT MARKING SHEETS
- 52-56. EROSION CONTROL SHEETS
- 57-60. DETAIL SHEET
- 61-81. CROSS SECTION SHEETS

BEGIN PROJECT:  
STA. 181+00  
LAT: 38.52515  
LONG: -89.06991

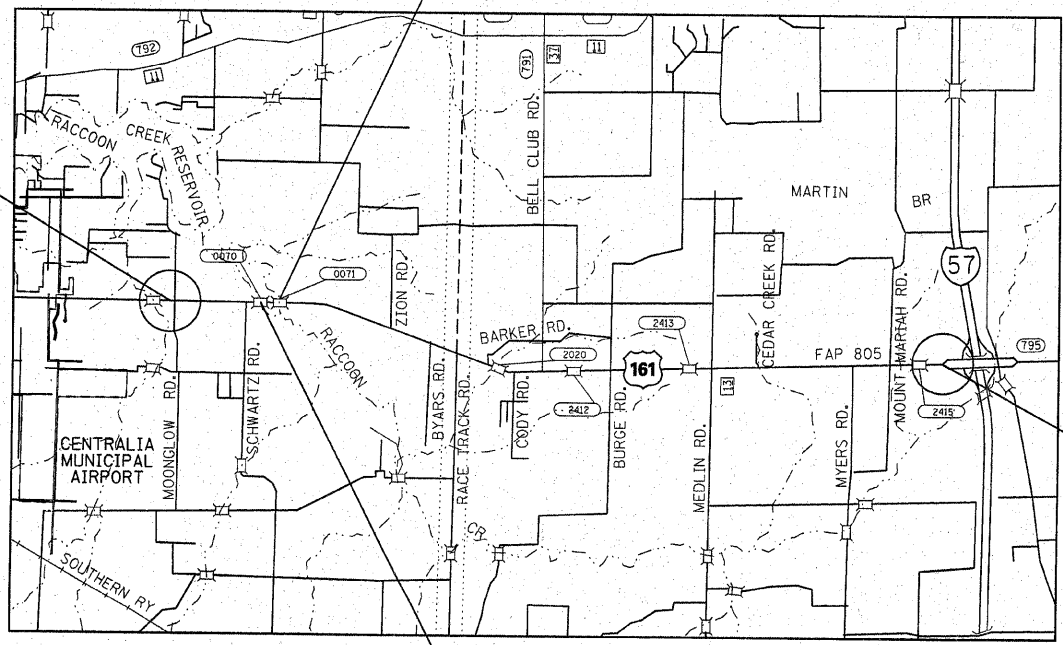


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: PATTI LEBEAU (618)-346-3179  
PROJECT MANAGER: CHERYL KEPLAR (618)-346-3186

CONTRACT NO. 76B33



BRIDGE OMISSION  
S.N. 061-0071  
STA. 215+85 TO STA. 217+62

BRIDGE OMISSION  
S.N. 061-0070  
STA. 212+52 TO STA. 213+99

END PROJECT:  
STA. 481+00  
LAT: 38.51996  
LONG: -88.96181

ADT	
2006: 11,742	2027: 14,668
SU%: 3.3%	SU%: 3.3%
MU%: 2.3%	MU%: 2.3%

GROSS LENGTH: 30,000 FT = 5.70 MI  
NET LENGTH: 29,576 FT = 5.62 MI

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED December 21 20 07

*Man C. Jamie*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 1, 20 08  
*Eric E. Haran*  
ENGINEER OF DESIGN AND ENVIRONMENT

February 1, 20 08  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.

2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- \*AMEREN IP
- \*AT&T ILLINOIS
- \*CITY OF CENTRALIA - WATER
- \*COUNTYMARK COOPERATIVE, LLP.
- \*RACCOON WATER COMPANY
- \*SHELL OIL COMPANY.
- \*TRI-COUNTY ELECTRIC COOPERATIVE, INC.
- \*VILLAGE OF WALNUT HILL

(MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)

3. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

5. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, BINDER COURSE AND FINAL SURFACE COURSE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL - SQ. FT). AN AMOUNT OF TEMPORARY PAVEMENT MARKING WHICH EQUALS THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS ALSO BEEN ADDED TO THE PLANS.

6. THE FOLLOWING SUPERPAVE MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	INCIDENTAL & SURFACE	LEVEL BINDER	PARTIAL DEPTH PATCH
AC/PG	SBS 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	10%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION MIXTURE)			
FRICITION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "C"

MIXTURE USE	SHOULDERS	TOP LIFT SHOULDERS	BINDER
AC/PG	PG 58-22	PG 58-22	PG 64-22
RAP % (MAX)	30%	30%	10%
DESIGN AIR VOIDS	2.0% @ Ndes=30	*2.0% @ Ndes=30	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION MIXTURE)			
FRICITION AGG	BAM	BAM	MIXTURE "B"

\*TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% AIR VOIDS AND ADD ASPHALT TO REDUCE AIR VOIDS TO 1.5%.

PLAN QUANTITIES FOR HMA (HOT MIX ASPHALT) CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

7. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

8. THE AVERAGE MILLING DEPTH WILL BE 1 1/2". ACTUAL MILLING DEPTHS MAY VARY DEPENDING ON THE EXTENT OF THE CHANNELIZATION. IT IS ESTIMATED THAT 105515 SQ. YDS. (8863.3 TONS) OF HMA SURFACE WILL BE REMOVED.

9. FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

10. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE AND 48" X 48".

11. ANY EXCAVATION OR DROP-OFF MORE THAN 3" AT EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTING.

12. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

13. ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

14. SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATION.

15. FLAGGERS SHALL BE PRESENT AT SIDEROADS PER THE STANDARDS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

16. ALL WORK SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007 AND ALL APPLICABLE SUPPLEMENTAL SPECIFICATIONS.

17. THE RELOCATION OF ALL SIGN POSTS AND SIGNS IS INCLUDED IN THE UNIT COST FOR "EARTH EXCAVATION (WIDENING)". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

18. 15 CALENDAR DAYS TRAFFIC CONTROL SURVEILLANCE HAS BEEN INCLUDED IN THE PLANS.

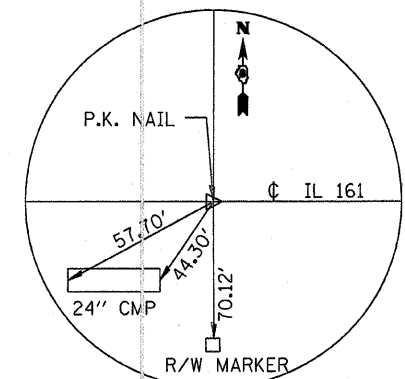
19. LOCATION OF CONCRETE HEADWALLS FOR PIPE DRAINS WILL BE DETERMINED BY ENGINEER.

COMMITMENTS

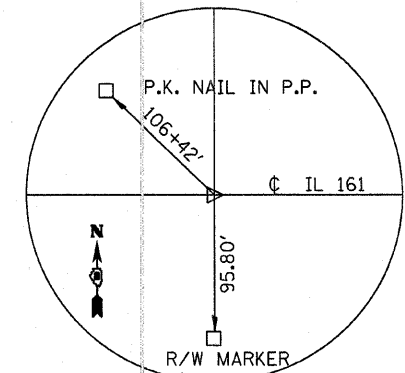
NO COMMITMENTS

STANDARDS

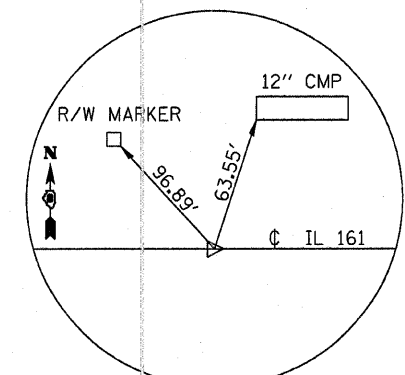
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482001-02	701306-01
601001-02	701311-02
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635006-02	701336-04
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701101-01	720011
	780001-01
	781001-02



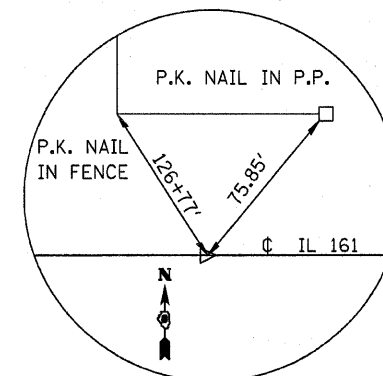
P.C. STA. 305+40.902



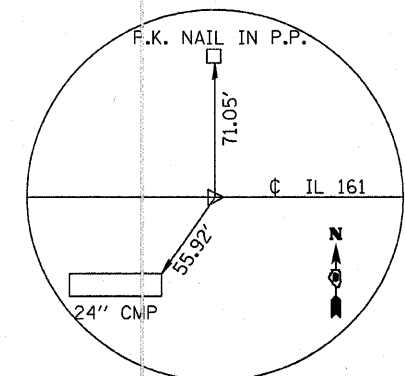
P.T. STA. 319+96.439



P.O.T. STA. 329+96.489



P.O.T. STA. 349+96.489



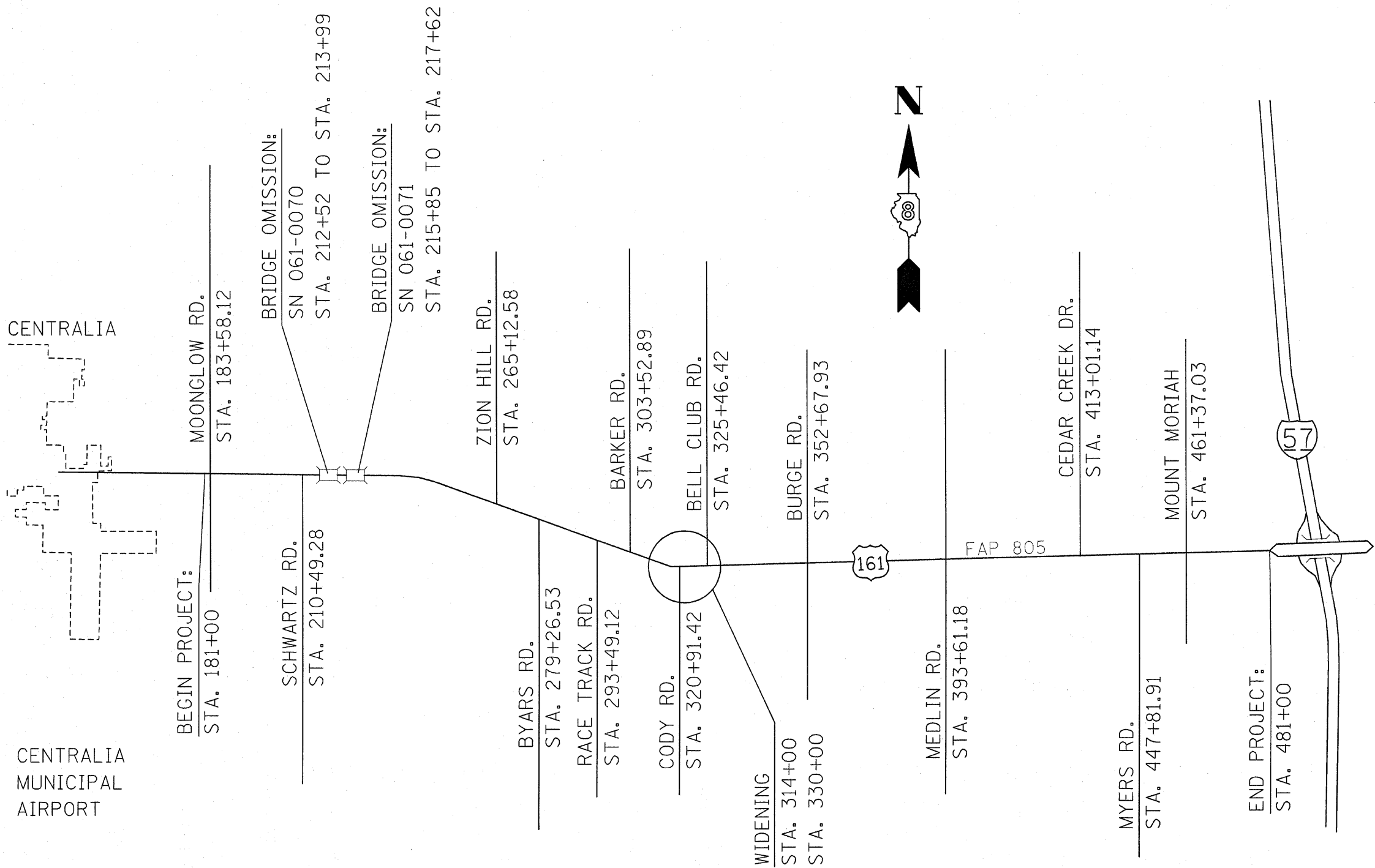
P.O.T. STA. 339+96.489

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	I-000	-----	-----	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	I-000	-----	-----
20200500	EARTH EXCAVATION (WIDENING)	CU YD	1348	1348			54248515	CONCRETE COLLAR	EACH	2	2		
25000210	SEEDING, CLASS 2A	ACRE	0.9	0.9			542A2755	PIPE CULVERTS, CLASS A, TYPE 4 30"	FOOT	23	23		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	81	81			60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	6	6		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	81	81			60107700	PIPE UNDERDRAINS 6"	FOOT	3200	3200		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	81	81			*63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	423	423		
25100115	MULCH, METHOD 2	ACRE	0.9	0.9			*63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	8	8		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	90	90			*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
28000300	TEMPORARY DITCH CHECKS	EACH	4	4			67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10		
28000400	PERIMETER EROSION BARRIER	FOOT	1053	1053			67100100	MOBILIZATION	L SUM	1	1		
28000500	INLET AND PIPE PROTECTION	EACH	4	4			70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	3378	3378			70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
30201500	LIME	TON	33	33			70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	160	160			70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
35501327	HOT-MIX ASPHALT BASE COURSE, 10 3/4"	SQ YD	889	889			70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	192	192			70300100	SHORT-TERM PAVEMENT MARKING	FOOT	21819	21819		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	33.3	33.3			70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62.4	62.4		
40600300	AGGREGATE (PRIME COAT)	TON	161	161			70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	79898	79898		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	3407	3407			70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	337	337		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	850	850			70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	8878	8878		
40600990	TEMPORARY RAMP	SQ YD	307	307			*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62.4	62.4		
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	6813	6813			*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	81,802	81802		
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.17	0.17			*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	337	337		
40800030	AGGREGATE (PRIME COAT)	TON	0.8	0.8			*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	729	729		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	45	45			*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	402	402		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	104093	104093			*78200410	GUARDRAIL MARKERS, TYPE A	EACH	20	20		
44004250	PAVED SHOULDER REMOVAL	SQ YD	1493.3	1493.3			*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	1050	1050			78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	375	375		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3200	3200			20013798	CONSTRUCTION LAYOUT	L SUM	1	1		
48100100	AGGREGATE SHOULDERS, TYPE A	TON	400	400									
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1180	1180									
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1423	1423									
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1747	1747									
50105220	PIPE CULVERT REMOVAL	FOOT	16	16									
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2									

\*SPECIALTY ITEMS

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE. 805	SECTION (101,102,61-1-10RS)	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 3
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	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---	STA. _____ TO STA. _____		CONTRACT NO. 76B33				



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		DRAWN - ---	REVISED - ---
		CHECKED - ---	REVISED - ---
		DATE - ---	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY LAYOUT**

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	4
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76833	

PAVEMENT MARKINGS SCHEDULE

STATION	TO	STATION	LENGTH	PAVEMENT MARKINGS								RAISED REFLECTIVE PAVEMENT MARKERS						
				LINE 12"	LETTER AND SYMBOLS LEFT TURN ARROWS	DOUBLE YELLOW 4"	SKIP-DASH YELLOW 4"	NO PASSING ZONE YELLOW 4"		4" LINE WHITE	AUX SKIP-DASH 4" WHITE	TWO-WAY AMBER	ONE-WAY AMBER	ONE-WAY CRYSTAL	REMOVAL			
				YELLOW			CENTERLINE	(FT)								(FT)	(FT)	
(FT)	(SQ FT)	(FT)	(FT)	WESTBOUND	EASTBOUND	(FT)	(FT)	(EACH)	(EACH)	(EACH)	(EACH)							
321+31.42																		
321+56.42					15.6													
322+06.42					15.6													
324+50.00					15.6													
325+00.00					15.6													
325+46.59																		
321+31.42	TO	322+31.42	100.00							100						3		
323+96.59	TO	325+46.59	150.00							150						4		
316+00.00	TO	320+69.28	469.28	199									24					
326+08.29	TO	330+00.00	391.71	138									16					
181+00.00	TO	193+93.00	1293.00				323			2586		16					16	
193+93.00	TO	203+27.56	934.56				234		935	1869		12					12	
203+27.56	TO	204+01.48	73.92				18			148		1					1	
204+01.48	TO	213+09.64	908.16				227	908		1816		11					11	
213+09.64	TO	222+81.16	971.52				243			1943		12					12	
222+81.16	TO	229+99.24	718.08				180		718	1436		9					9	
229+99.24	TO	232+68.52	269.28				67			539		3					3	
232+68.52	TO	239+97.16	728.64				182	729		1457		9					9	
239+97.16	TO	252+06.28	1209.12				302			2418		15					15	
252+06.28	TO	257+18.44	512.16				128		512	1024		6					6	
257+18.44	TO	262+72.84	554.40				139			1109		7					7	
262+72.84	TO	267+85.00	512.16				128	512		1024		6					6	
267+85.00	TO	293+72.20	2587.20				647			5174		32					32	
293+72.20	TO	300+95.56	723.36				181			1447		9					9	
293+72.20	TO	314+00.00	2027.80						2028									
300+95.56	TO	303+70.12	274.56				69			549		3					3	
303+70.12	TO	310+03.47	633.35				158			1267		8					8	
303+70.12	TO	314+00.00	1029.88					1030										
310+03.47	TO	314+00.00	396.53				99			793		5					5	
314+00.00	TO	330+00.00	1600.00							3200							20	
330+00.00	TO	334+00.00	400.00				100			800		5					5	
330+00.00	TO	333+00.00	300.00						300									
330+00.00	TO	337+00.00	700.00					700										
334+00.00	TO	480+05.32	14605.32				3651			29211		183					183	
480+05.32	TO	481+00.00	94.68				24		95	189		1					1	
322+31.42	TO	323+96.58	165.16								41							
322+31.42	TO	323+96.58	165.16								41							
FIRST PAINTED MEDIAN																		
314+00.00	TO	320+69.42	669.42				2677.68											
321+31.42	TO	325+50.00	418.58				1674.32					10						
SECOND PAINTED MEDIAN																		
326+12.00	TO	330+00.00	388.00				1552.00											
SUB TOTAL:						5904	7100	3879	4587	60250	83	366	40	7				
TOTAL:				337	62			81803					413					375

FILE NAME =	USER NAME = #USER*	DESIGNED - ---	REVISED - ---
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	PLOT DATE = #DATE*	DATE - -----	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	5
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B33	

PAVEMENT PATCHING SCHEDULE (EB)				
STATION	SIDE	LENGTH	WIDTH	TYPE II
		(FT)	(FT)	(SQ YDS)
ROUTE IL 161				
STA. 189+75	EB	6	12	8.0
STA. 192+20	EB	6	12	8.0
STA. 192+80	EB	6	12	8.0
STA. 193+50	EB	6	12	8.0
STA. 193+75	EB	6	12	8.0
STA. 196+40	EB	6	12	8.0
STA. 210+95	EB	6	12	8.0
STA. 212+00	EB	6	12	8.0
STA. 214+35	EB	6	12	8.0
STA. 215+00	EB	6	12	8.0
STA. 215+45	EB	6	12	8.0
STA. 218+00	EB	6	12	8.0
STA. 219+00	EB	6	12	8.0
STA. 235+30	EB	6	12	8.0
STA. 249+10	EB	6	12	8.0
STA. 249+65	EB	6	12	8.0
STA. 252+40	EB	6	12	8.0
STA. 257+60	EB	6	12	8.0
STA. 262+55	EB	6	12	8.0
STA. 264+80	EB	6	12	8.0
STA. 267+70	EB	6	12	8.0
STA. 268+20	EB	6	12	8.0
STA. 270+20	EB	6	12	8.0
STA. 283+15	EB	6	12	8.0
STA. 289+00	EB	6	12	8.0
STA. 289+40	EB	6	12	8.0
STA. 298+30	EB	6	12	8.0
STA. 300+35	EB	6	12	8.0
STA. 301+65	EB	6	12	8.0
STA. 324+00	EB	6	12	8.0
STA. 332+00	EB	6	12	8.0
STA. 356+50	EB	6	12	8.0
STA. 364+75	EB	6	12	8.0
STA. 369+65	EB	6	12	8.0
STA. 371+40	EB	6	12	8.0
STA. 375+00	EB	6	12	8.0
STA. 376+60	EB	6	12	8.0
STA. 380+00	EB	10	12	13.3
STA. 381+35	EB	6	12	8.0
STA. 383+10	EB	6	12	8.0
STA. 388+00	EB	6	12	8.0
STA. 388+90	EB	6	12	8.0
STA. 389+83	EB	6	12	8.0
STA. 391+10	EB	6	12	8.0
STA. 391+80	EB	6	12	8.0
STA. 406+20	EB	6	12	8.0
STA. 416+50	EB	6	12	8.0
STA. 417+23	EB	6	12	8.0
STA. 420+30	EB	6	12	8.0
STA. 429+45	EB	6	12	8.0
STA. 432+30	EB	6	12	8.0
STA. 434+30	EB	6	12	8.0
ANTICIPATED FAILURES				103
TOTALS				525

PAVEMENT PATCHING SCHEDULE (WB)				
STATION	SIDE	LENGTH	WIDTH	TYPE II
		(FT)	(FT)	(SQ YDS)
ROUTE IL 161				
STA. 189+75	WB	6	12	8.0
STA. 192+20	WB	6	12	8.0
STA. 192+80	WB	6	12	8.0
STA. 193+50	WB	6	12	8.0
STA. 193+75	WB	6	12	8.0
STA. 196+40	WB	6	12	8.0
STA. 210+95	WB	6	12	8.0
STA. 212+00	WB	6	12	8.0
STA. 214+35	WB	6	12	8.0
STA. 215+00	WB	6	12	8.0
STA. 215+45	WB	6	12	8.0
STA. 218+00	WB	6	12	8.0
STA. 219+00	WB	6	12	8.0
STA. 235+30	WB	6	12	8.0
STA. 249+10	WB	6	12	8.0
STA. 249+65	WB	6	12	8.0
STA. 252+40	WB	6	12	8.0
STA. 257+60	WB	6	12	8.0
STA. 262+55	WB	6	12	8.0
STA. 264+80	WB	6	12	8.0
STA. 267+70	WB	6	12	8.0
STA. 268+20	WB	6	12	8.0
STA. 270+20	WB	6	12	8.0
STA. 283+15	WB	6	12	8.0
STA. 289+00	WB	6	12	8.0
STA. 289+40	WB	6	12	8.0
STA. 298+30	WB	6	12	8.0
STA. 300+35	WB	6	12	8.0
STA. 301+65	WB	6	12	8.0
STA. 324+00	WB	6	12	8.0
STA. 332+00	WB	6	12	8.0
STA. 356+50	WB	6	12	8.0
STA. 364+75	WB	6	12	8.0
STA. 369+65	WB	6	12	8.0
STA. 371+40	WB	6	12	8.0
STA. 375+00	WB	6	12	8.0
STA. 376+60	WB	6	12	8.0
STA. 380+00	WB	10	12	13.3
STA. 381+35	WB	6	12	8.0
STA. 383+10	WB	6	12	8.0
STA. 388+00	WB	6	12	8.0
STA. 388+90	WB	6	12	8.0
STA. 389+83	WB	6	12	8.0
STA. 391+10	WB	6	12	8.0
STA. 391+80	WB	6	12	8.0
STA. 406+20	WB	6	12	8.0
STA. 416+50	WB	6	12	8.0
STA. 417+23	WB	6	12	8.0
STA. 420+30	WB	6	12	8.0
STA. 429+45	WB	6	12	8.0
STA. 432+30	WB	6	12	8.0
STA. 434+30	WB	6	12	8.0
ANTICIPATED FAILURES				103
TOTALS				525

SIDEROAD SCHEDULE					
SIDEROAD	L/R	WIDTH	INCIDENTAL HMA SURFACING	(40800020) BIT. MAT. PRIME COAT	(40800030) AGG. PRIME COAT
		(FEET)	(SQYD)	(TON)	(TON)
MOONGLOW RD.	L	27	2.52	0.01	0.05
MOONGLOW RD.	R	23	2.15	0.01	0.04
SCHWARTZ RD.	R	30	2.80	0.01	0.05
ZION RD.	L	29	2.71	0.01	0.05
BYARS RD.	R	29	2.71	0.01	0.05
RACE TRACK RD.	R	30	2.80	0.01	0.05
BARKER RD.	L	26	2.43	0.01	0.04
CODY RD.	R	30	2.80	0.01	0.05
BELL CLUB RD.	L	33	3.08	0.01	0.06
BURGE RD.	R	28	2.61	0.01	0.05
BURGE RD.	L	27	2.52	0.01	0.05
MEDLIN RD.	R	29	2.71	0.01	0.05
MEDLIN RD.	L	32	2.99	0.01	0.05
CEDAR CREEK RD.	L	26	2.43	0.01	0.04
MYERS RD.	R	28	2.61	0.01	0.05
MOUNT MARIAH RD.	R	27	2.52	0.01	0.05
MOUNT MARIAH RD.	L	23	2.15	0.01	0.04
TOTAL:			44.52	0.17	0.80

PERIMETER EROSION CONTROL				
STATION	TO	STATION	SIDE	PERIMETER EROSION CONTROL
			(LT/RT)	(FT)
316+02	TO	316+68	RT	70
318+00	TO	325+49	LT	760
324+21	TO	324+90	RT	68
325+98	TO	327+50	RT	155
TOTAL:				1053

TEMPORARY DITCH CHECKS			
STATION	SIDE	OFFSET	TEMP. DITCH CHECKS
	(LT/R)	(FT)	(EACH)
314+00	RT	41.7	1
316+96	RT	47.0	1
327+59.5	RT	44.4	1
327+52.0	LT	41.2	1
TOTAL:			4

INLET AND PIPE PROTECTION			
STA.	SIDE	OFFSET	INTLET & PIPE PROTECTION
	(LT/RT)	(FT)	(EACH)
315+95	LT	36.5	1
321+56	RT	49.3	1
324+54	RT	64.8	1
326+95	LT	42.8	1
TOTAL:			4

TEMPORAY RAMP AND BUTT JOINTS		
LOCATION	TEMORARY RAMPS	BUTT JOINT
	(SQYD)	(SQYD)
STATION 181+00	13.33	53.3
MOONGLOW RD.	13.33	30
MOONGLOW RD.	13.33	25.6
SCHWARTZ RD.	13.33	33.3
(EB) S.N. 061-0070	13.33	53.3
(WB) S.N. 061-0070	13.33	53.3
(EB) S.N. 061-0071	13.33	53.3
(WB) S.N. 061-0071	13.33	53.3
ZION RD.	13.33	32.2
BYARS RD.	13.33	32.2
RACE TRACK RD.	13.33	33.3
BARKER RD.	13.33	28.9
CODY RD.	13.33	33.3
BELL CLUB RD.	13.33	36.7
BURGE RD.	13.33	31.1
BURGE RD.	13.33	30
MEDLIN RD.	13.33	32.2
MEDLIN RD.	13.33	35.6
CEDAR CREEK RD.	13.33	28.9
MYERS RD.	13.33	31.1
MOUNT MARIAH RD.	13.33	30
MOUNT MARIAH RD.	13.33	25.6
STATION 481+00	13.33	53.3
TOTAL:	306.6	849.8

RESURFACING SCHEDULE

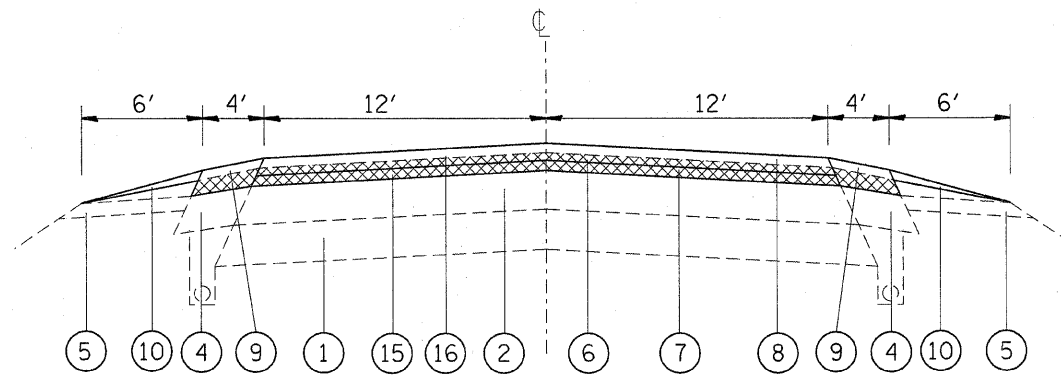
STATION	TO	STATION	SQYD	FEET	HMA CONC. SURF. CSE. MIX D, N90	(40600200) BITUMINOUS MATERIAL PRIME COAT	(40600300) AGGREGATE PRIME COAT	H.M.A. SURF. REMOVAL 1 1/2"	LEVELING BINDER N90	AGGREGATE SHOULDER WEDGE, TYPE B		HMA SHOULDERS		HMA SHOULDERS 8"		PAVED SHOULDER REMOVAL	STRIP REFLECTIVE CRACK CONTROL	PIPE UNDERDRAINS 6"	AGGREGATE SHOULDER, TYPE A
					TONS	TONS	TONS	SQ. YDS.	TON	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE	SQ YD	FOOT	FOOT	FOOT
181+00.	TO	183+58.12	688.32	258.12	57.82	0.29	1.38	917.76	28.91	5.42	5.42	8.03	8.03						
183+58.12	TO	210+49.28	7176.43	2691.16	602.82	2.99	14.35	9568.57	301.41	56.51	56.51	83.72	83.72						
210+49.28	TO	212+52.	540.59	202.72	45.41	0.23	1.08	720.78	22.70	4.26	4.26	6.31	6.31						
BRIDGE OMISSION																			
213+99.	TO	215+85.	496.00	186	41.66	0.21	0.99	661.33	20.83	3.91	3.91	5.79	5.79						
BRIDGE OMISSION																			
217+62.	TO	265+12.58	12668.21	4750.58	1064.13	5.29	25.34	16890.95	532.06	99.76	99.76	147.80	147.80						
265+12.58	TO	279+26.53	3770.53	1413.95	316.72	1.57	7.54	5027.38	158.36	29.69	29.69	43.99	43.99						
279+26.53	TO	293+49.12	3793.57	1422.59	318.66	1.58	7.59	5058.10	159.33	29.87	29.87	44.26	44.26						
293+49.12	TO	303+52.89	2676.72	1003.77	224.84	1.12	5.35	3568.96	112.42	21.08	21.08	31.23	31.23						
303+52.89	TO	314+00.	2792.29	1047.11	234.55	1.16	5.58	3723.06	117.28	21.99	21.99	32.58	32.58						
314+00.	TO	320+00.	2200.00	600	184.80	0.81	3.20	2133.33	92.40					266.67	266.67	560	1200	1200	150
320+00.	TO	326+50.	2744.44	650	230.53	0.72	4.98	2311.11	115.27					288.89	288.89	606.67	1300	1300	162.5
326+50.	TO	330+00.	1283.33	350	107.80	0.56	2.28	1244.44	53.90					155.56	155.56	326.67	700	700	87.5
330+00.	TO	352+67.93	6047.81	2267.93	508.02	2.52	12.10	8063.75	254.01	47.63	47.63	70.56	70.56						
352+67.93	TO	393+61.18	10915.33	4093.25	916.89	4.55	21.83	14553.78	458.44	85.96	85.96	127.35	127.35						
393+61.18	TO	413+01.14	5173.23	1939.96	434.55	2.16	10.35	6897.64	217.28	40.74	40.74	60.35	60.35						
413+01.14	TO	447+81.91	9282.05	3480.77	779.69	3.87	18.56	12376.07	389.85	73.10	73.10	108.29	108.29						
447+81.91	TO	461+37.03	3613.65	1355.12	303.55	1.51	7.23	4818.20	151.77	28.46	28.46	42.16	42.16						
461+37.03	TO	481+00.	5234.59	1962.97	439.71	2.18	10.47	6979.45	219.85	41.22	41.22	61.07	61.07						
TOTAL:					6812.16	33.33	160.20	105514.67	3406.08	1179.19		1746.95		1422.22		1493.33	3200.00	3200.00	400.00

EARTHWORK SCHEDULE

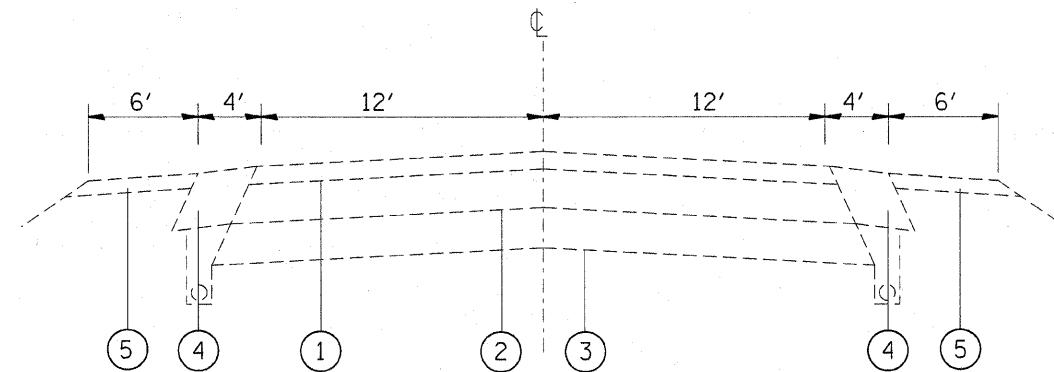
STATION	TO	STATION	UNADJUSTED WIDENING EXCAVATION (CU YD)	CHANNEL EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
313+50	TO	314+00.00	0.0	0.0	0.0	0.0
314+00.00	TO	314+50.00	45.7	34.3	5.6	28.7
314+50.00	TO	315+00.00	44.1	33.1	10.9	22.2
315+00.00	TO	315+50.00	46.9	35.2	11.2	24
315+50.00	TO	315+62.14	15.6	11.7	1.4	10.3
315+62.14	TO	315+78.03	21	15.8	0.8	15
315+78.03	TO	316+00.00	23.2	17.4	1.1	16.3
316+00.00	TO	316+50.00	50	37.5	9.8	27.7
316+50.00	TO	317+00.00	54.5	40.9	13	27.9
317+00.00	TO	317+50.00	66.8	50.1	5.2	44.9
317+50.00	TO	317+59.62	14	10.5	0.4	10.1
317+59.62	TO	318+00.00	50.4	37.8	14.7	23.1
318+00.00	TO	318+50.00	55.2	41.4	35.1	6.3
318+50.00	TO	319+00.00	56.8	42.6	41.4	1.2
319+00.00	TO	319+50.00	61.1	45.8	42.3	3.5
319+50.00	TO	320+00.00	69.5	52.1	33.7	18.4
320+00.00	TO	320+50.00	77.5	58.1	30.9	27.2
320+50.00	TO	320+89.63	60.1	45.1	19.4	25.7
320+89.63	TO	321+54.52	93.2	69.9	197.1	-127.2
321+54.52	TO	322+00.00	67.6	50.7	148.7	-98
322+00.00	TO	322+77.53	120.6	90.5	51.4	39.1
322+77.53	TO	323+50.00	109.6	82.2	60.4	21.8
323+50.00	TO	324+00.00	70.8	53.1	61.8	-8.7
324+00.00	TO	324+20.62	31.3	23.5	26.3	-2.8
324+20.62	TO	324+50.00	42.5	31.9	63.4	-31.5
TOTAL =			1348.0	1011.2	886.0	125.2

STATION	AREA	AGGREGATE FOR TEMPORARY ACCESS TON
314+45.89	429	15.89
315+58.33	546	20.22
315+78.45	320	11.85
317+49.79	375	13.89
317+58.98	249	9.22
320+89.19	632	23.41
322+77.37	352	13.04
325+82.04	315	11.67
326+71.03	486	18.00
327+22.05	593	21.96
327+96.75	473	17.52
329+35.29	414	15.33
TOTAL:		192.00

SEEDING								
STA	TO	STA	SIDE (LT/RT)	SEEDING, CLASS 2 (ACRE)	NITROGEN FERTILIZER (POUND)	PHOSPHORUS FERTILIZER (POUND)	POTASSIUM NUTRIENT (POUND)	MULCH METHOD (ACRE)
314+00	TO	330+00	RT	0.46	41.4	41.4	41.4	0.46
314+00	TO	330+00	LT	0.44	39.6	39.6	39.6	0.44
TOTAL:				0.90	81.0	81.0	81.0	0.90



PROPOSED IL 161  
 STA. 181+00 TO STA. 314+00  
 STA. 330+00 TO STA. 481+00



EXISTING IL 161  
 STA. 181+00 TO STA. 481+00

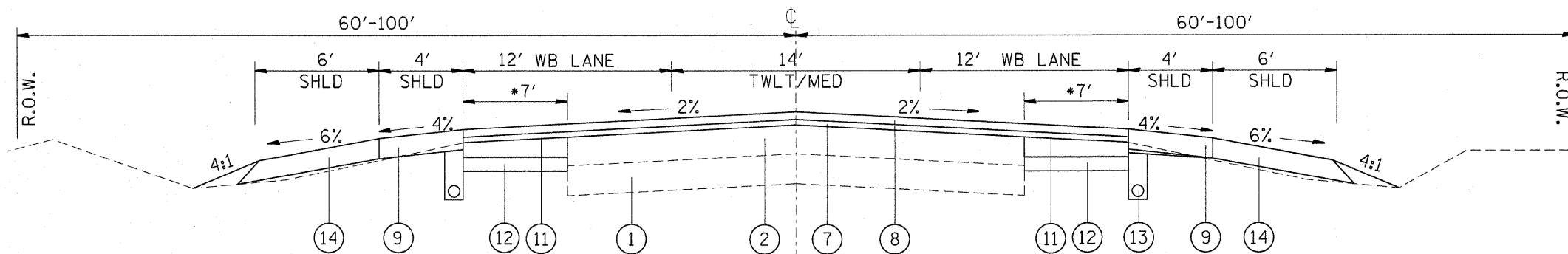
**LEGEND**

- ① EXISTING BITUMINOUS BINDER AND SURFACE COURSE ± 4 1/4"
- ② EXISTING P.C.C. PAVEMENT
- ③ EXISTING STABILIZED SUB BASE
- ④ EXISTING STABILIZED SHOULDER (8")
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B
- ⑥ PROPOSED HMA SURFACE REMOVAL 1 1/2"
- ⑦ PROPOSED LEVELING BINDER 3/4"
- ⑧ PROPOSED HMA SURFACE COURSE 1 1/2"
- ⑨ PROPOSED HMA SHOULDERS 8"
- ⑩ PROPOSED AGGREGATE WEDGE, TYPE B
- ⑪ PROPOSED HMA BINDER COURSE, 10 3/4"
- ⑫ PROPOSED LIME MODIFIED SOIL, 12"
- ⑬ PROPOSED PIPE UNDERDRAINS 6"
- ⑭ PROPOSED AGGREGATE SHOULDER, TYPE A 6"
- ⑮ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑯ PROPOSED AGGREGATE MATERIAL (PRIME COAT)
- ⑰ PROPOSED STRIP REFLECTIVE CRACK CONTROL

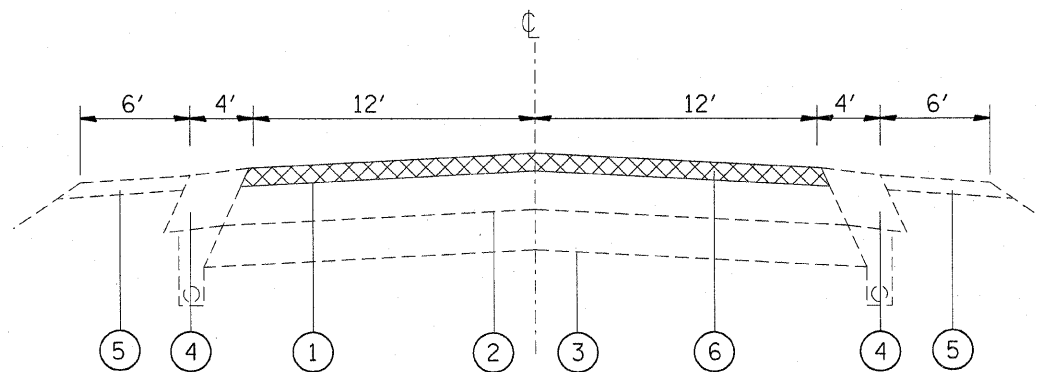
\*WE ARE CORRECTING THE EXISTING 5 TO 6% SHOULDER SLOPES TO 4%.

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>	F.A.P. RTE. 805	SECTION (101,102,61-1-1)RS	COUNTY MARTON	TOTAL SHEETS 81	SHEET NO. 8	
®FILEL®	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 76833			
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---			FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					
		DATE - -----	REVISED - ---								





PROPOSED IL 161  
STA. 314+00 TO STA. 330+00



EXISTING IL 161  
STA. 181+00 TO STA. 481+00

\* WIDTH VARIES THROUGH TRANSITION AREA

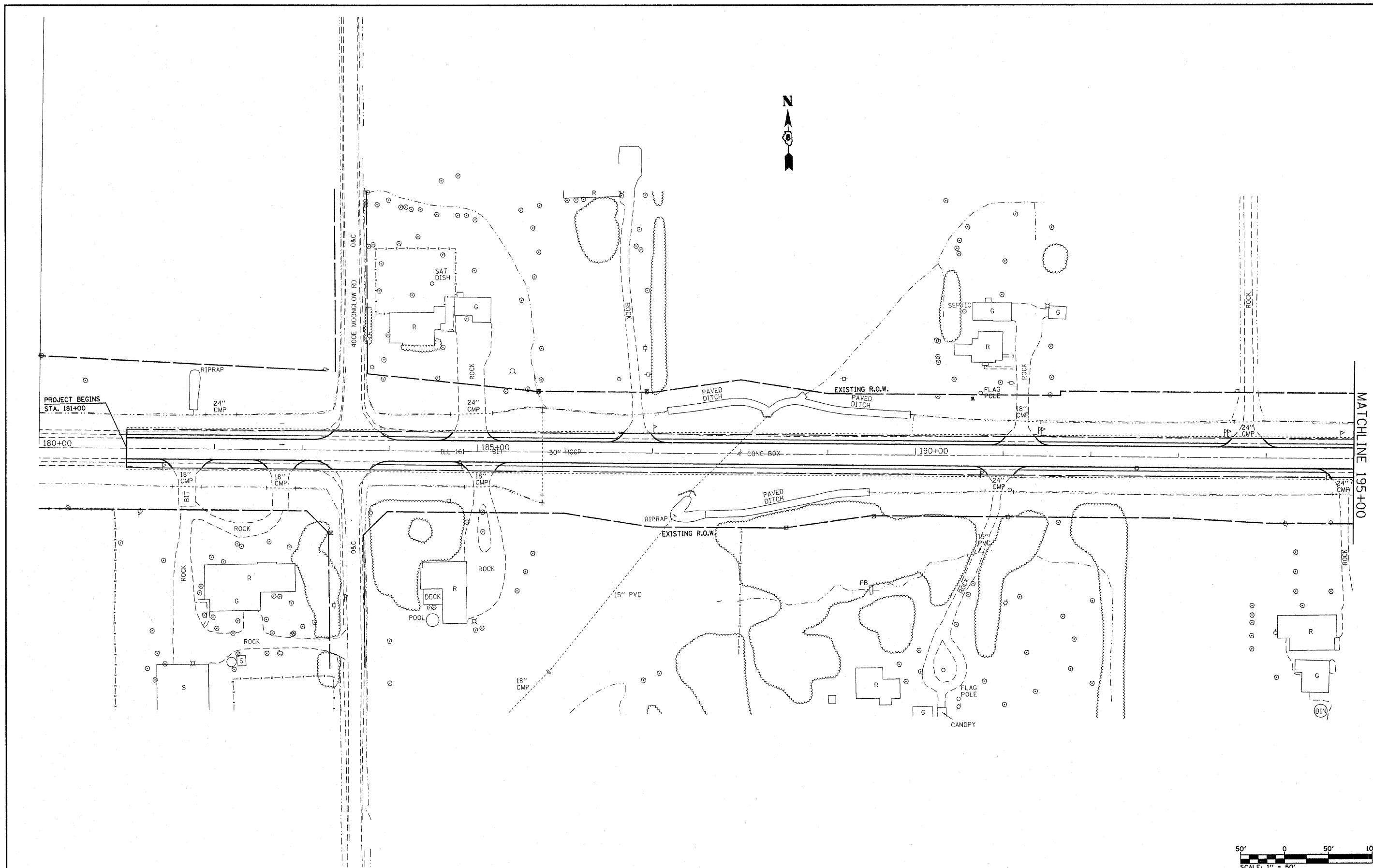
### LEGEND

- ① EXISTING BITUMINOUS BINDER AND SURFACE COURSE ± 4 1/4"
- ② EXISTING P.C.C. PAVEMENT
- ③ EXISTING STABILIZED SUB BASE
- ④ EXISTING STABILIZED SHOULDER (8")
- ⑤ EXISTING AGGREGATE SHOULDER TYPE B

- ⑥ PROPOSED HMA SURFACE REMOVAL 1 1/2"
- ⑦ PROPOSED LEVELING BINDER 3/4"
- ⑧ PROPOSED HMA SURFACE COURSE 1 1/2"
- ⑨ PROPOSED HMA SHOULDERS 8"
- ⑩ PROPOSED AGGREGATE WEDGE, TYPE B
- ⑪ PROPOSED HMA BINDER COURSE, 10 3/4"
- ⑫ PROPOSED LIME MODIFIED SOIL, 12"
- ⑬ PROPOSED PIPE UNDERDRAINS 6"
- ⑭ PROPOSED AGGREGATE SHOULDER, TYPE A 6"

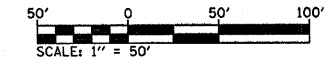
- ⑮ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑯ PROPOSED AGGREGATE MATERIAL (PRIME COAT)
- ⑰ PROPOSED STRIP REFLECTIVE CRACK CONTROL

FILE NAME =	USER NAME = #USER*	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - ---	REVISED - ---			805	(101,102,61-1-1)RS	MARION	81	9	
PLOT SCALE = #SCALE*		CHECKED - ---	REVISED - ---			CONTRACT NO. 76B33					
PLOT DATE = #DATE*		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
						SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____					



MATCHLINE 195+00

PROJECT BEGINS  
STA. 181+00



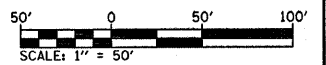
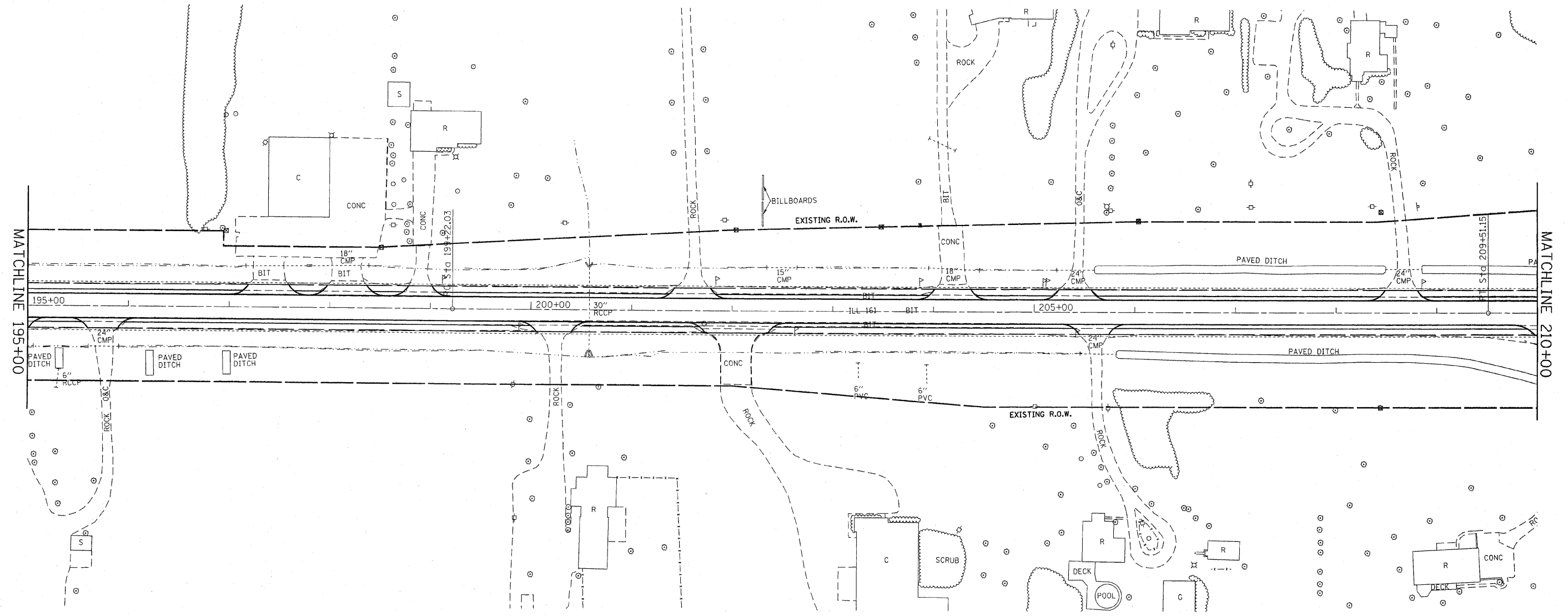
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN VIEW</b>		
SCALE: -----	SHEET NO. 1 OF 21 SHEETS	STA. 180+00 TO STA. 195+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	10
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 16833	

EXIST. CURVE EX1-3  
 PI STA. = 204+36.59  
 $\Delta = 0^\circ 25' 44''$  (LT)  
 $D = 0^\circ 02' 30''$   
 $R = 137,509.87'$   
 $T = 514.56'$   
 $L = 1,029.12'$   
 $E = 0.96'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 199+22.03$   
 $P.T. \text{ STA.} = 209+51.15$



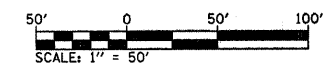
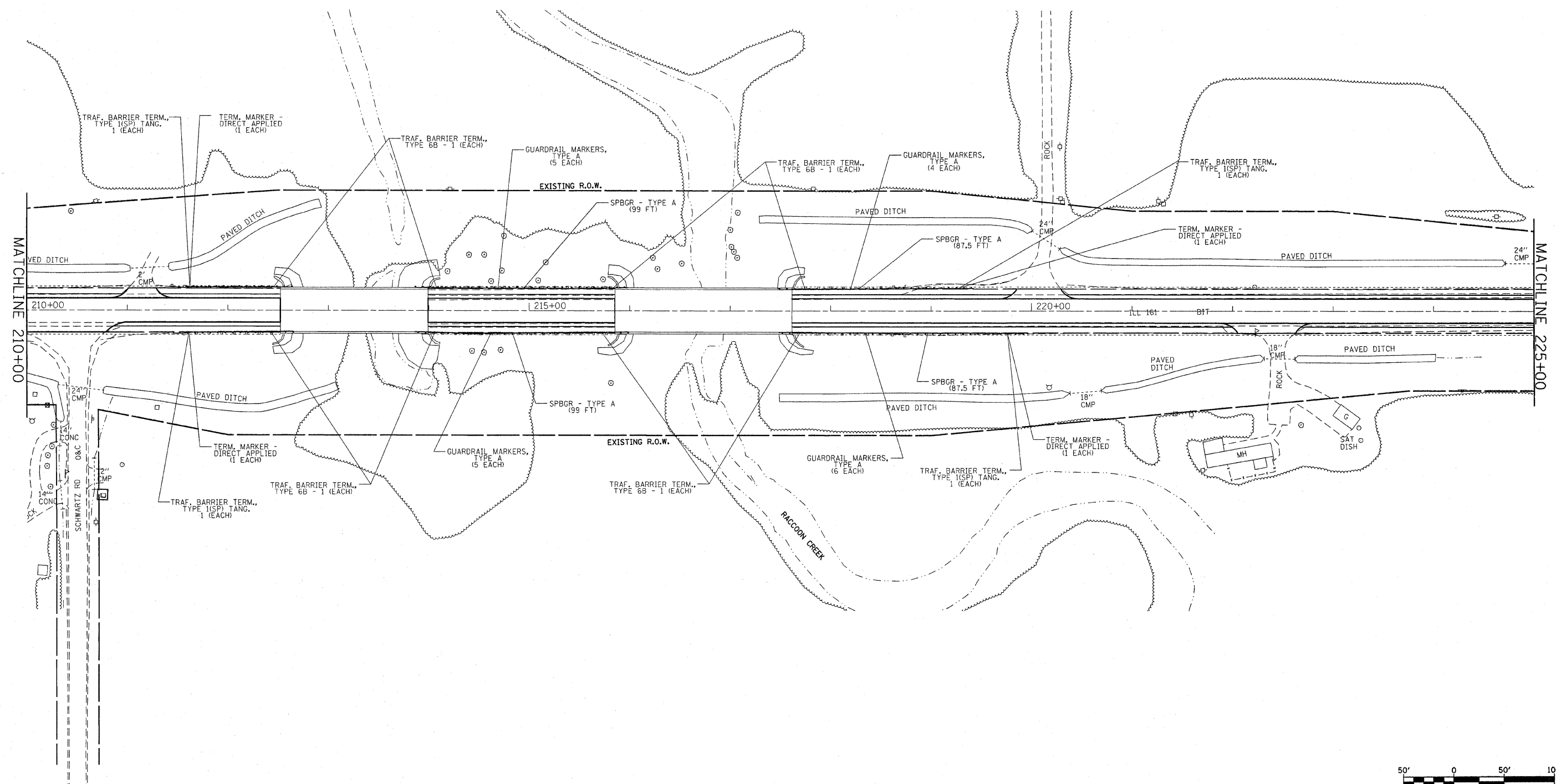
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		DRAWN - ___	REVISED - ___
	PLOT SCALE = #SCALE*	CHECKED - ___	REVISED - ___
	PLOT DATE = #DATE*	DATE - _____	REVISED - ___

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 2 OF 21 SHEETS STA. 195±00 TO STA. 210±00

F.A.P. RTE. 805	SECTION (101,102,61-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 11
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT CONTRACT NO. 76B33		



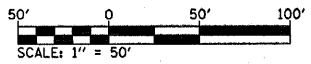
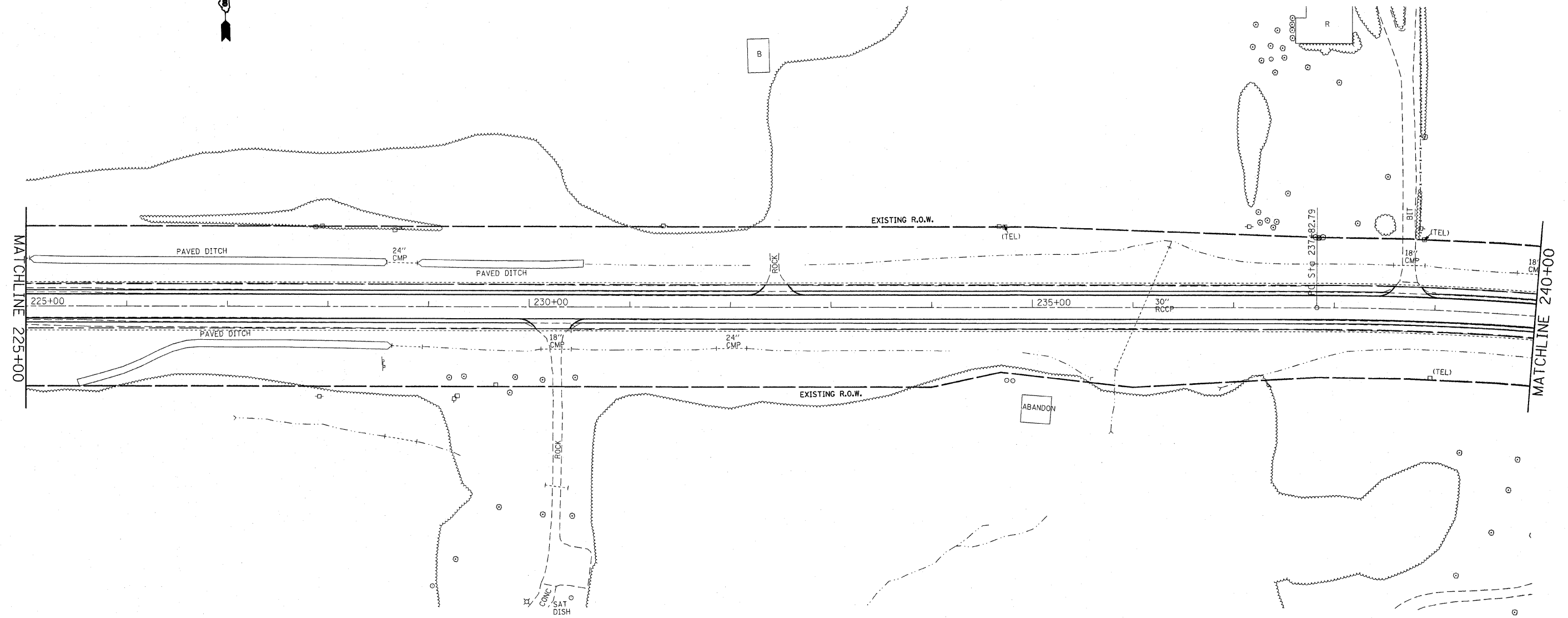
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	PLOT DATE = #DATE#	DATE -	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 3 OF 21 SHEETS STA. 210+00 TO STA. 225+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	12
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B33	



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
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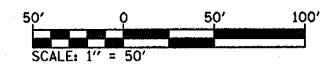
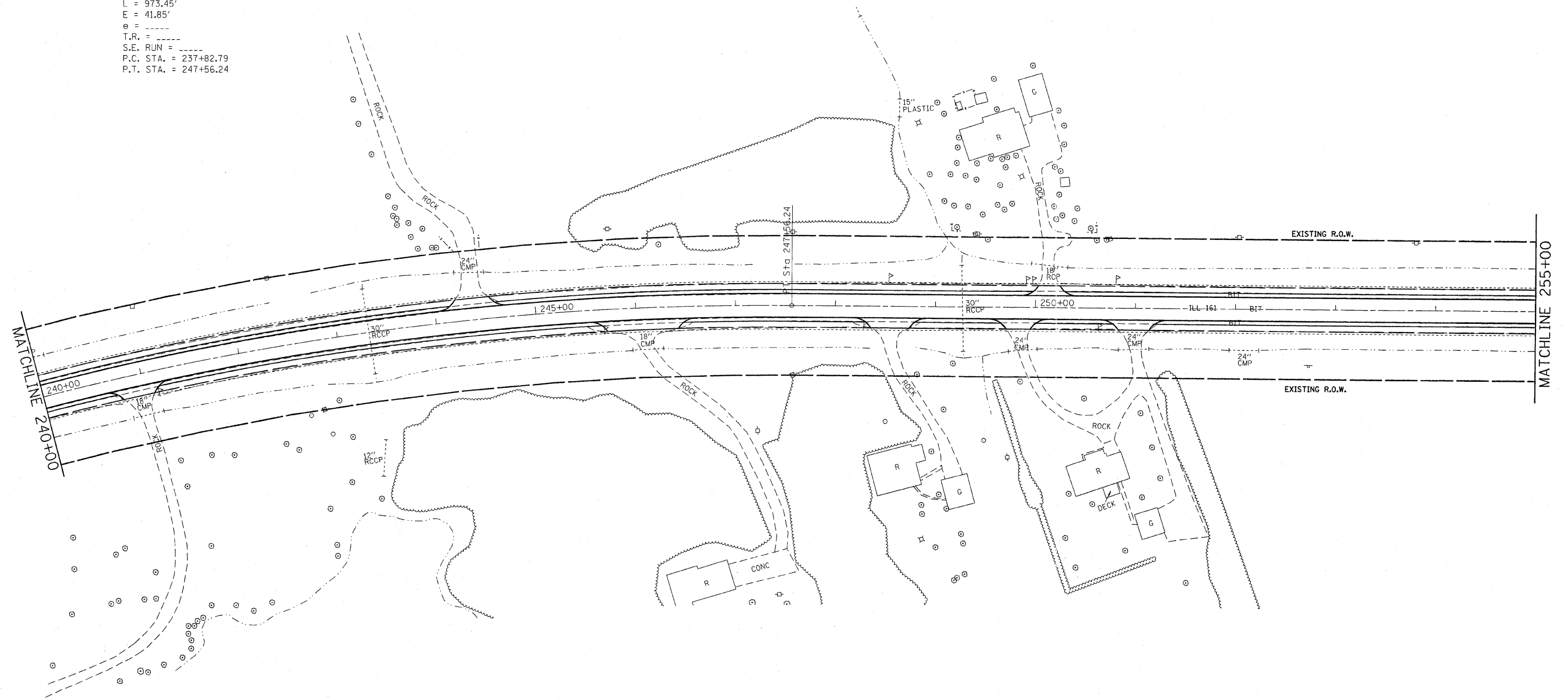
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 4 OF 21 SHEETS STA. 225+00 TO STA. 240+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARTON	81	13
<b>CONTRACT NO. 16B33</b>				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

EXIST. CURVE EX1-4  
 PI STA. = 242+74.25  
 $\Delta = 19^\circ 28' 08''$  (RT)  
 $D = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 491.46'$   
 $L = 973.45'$   
 $E = 41.85'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 237+82.79  
 P.T. STA. = 247+56.24



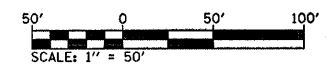
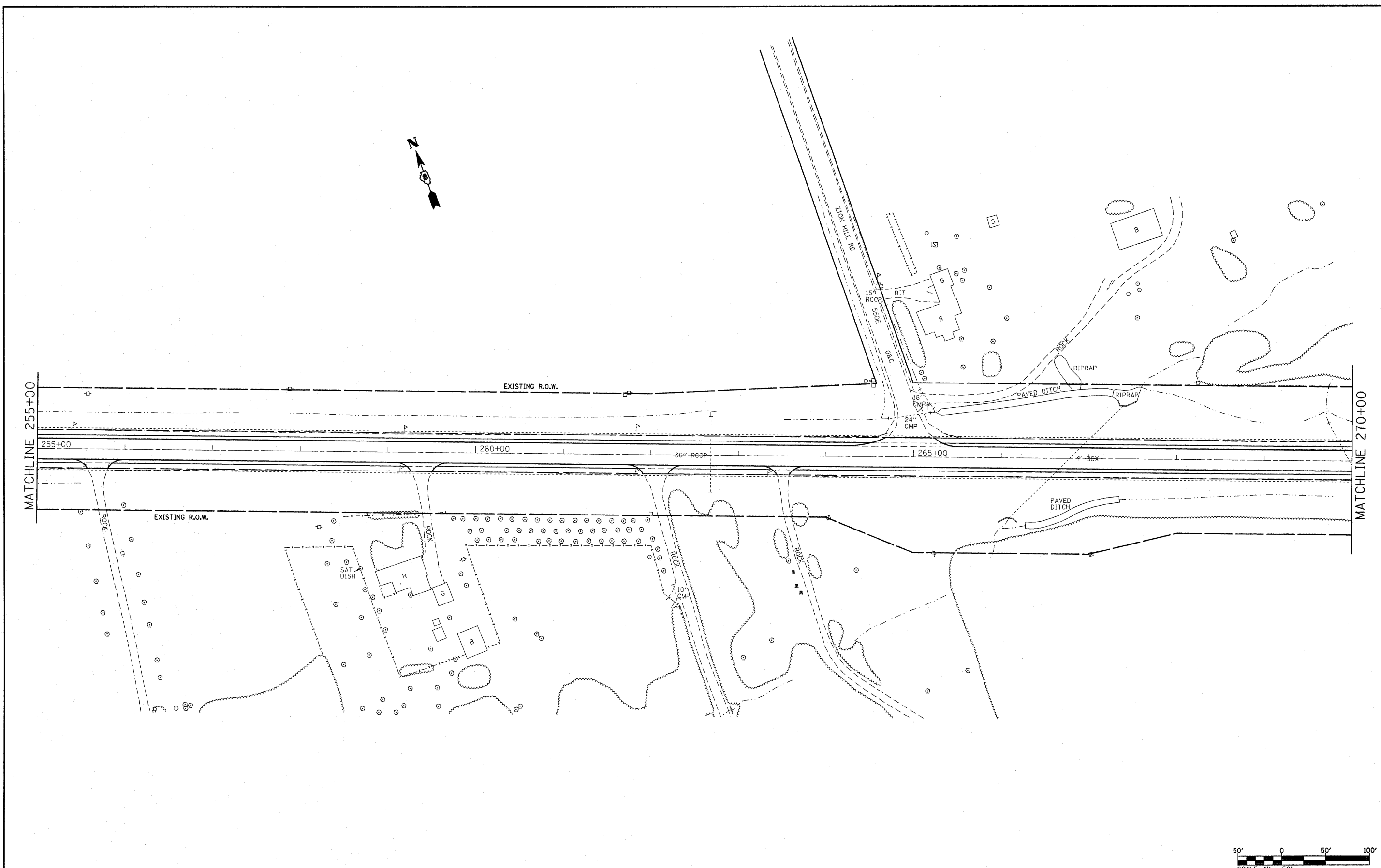
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	PLOT DATE = #DATE#	DATE - ---	REVISED - ---

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: ----- SHEET NO. 5 OF 21 SHEETS STA. 240±00 TO STA. 255±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	14
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 76833



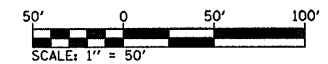
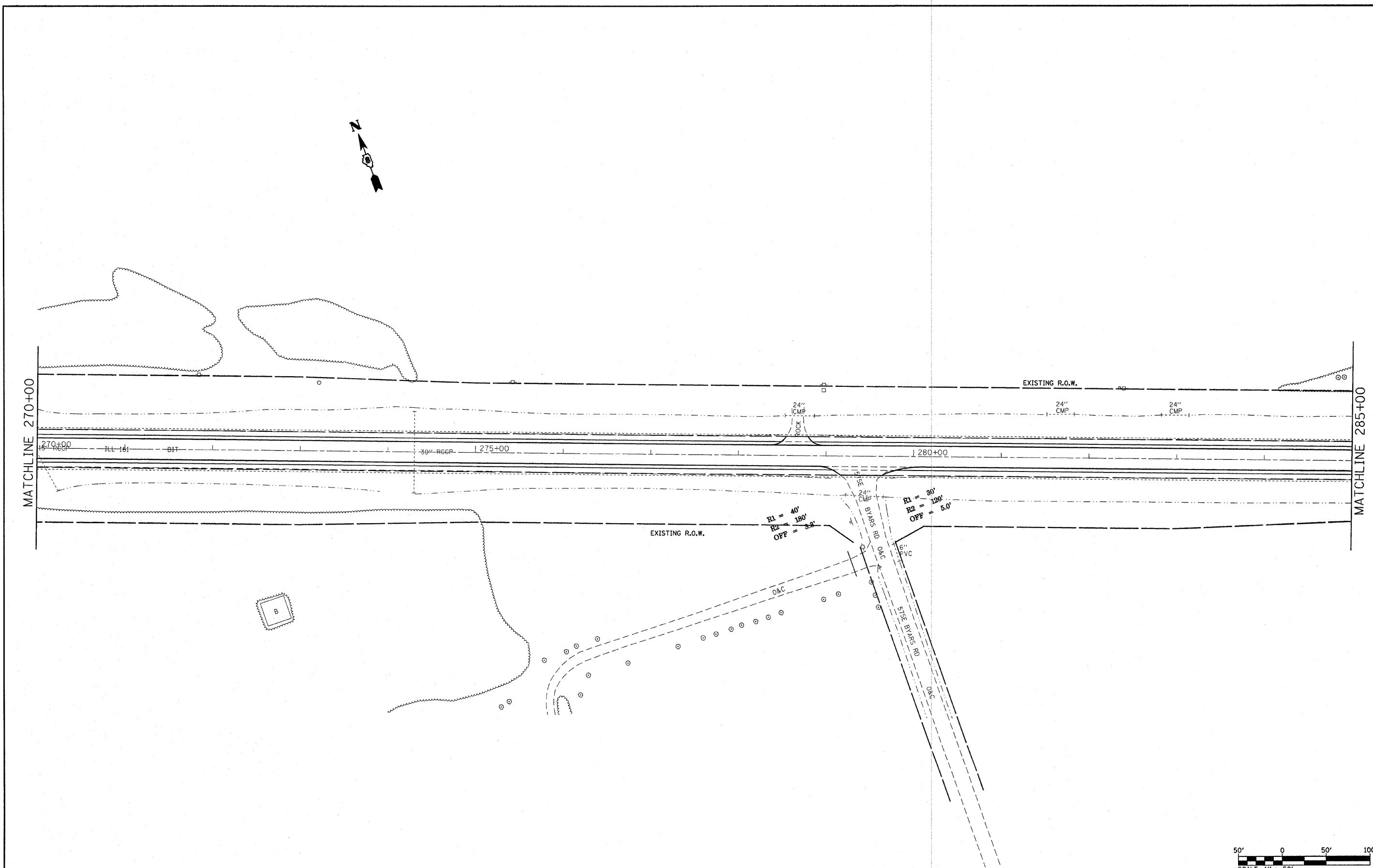
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	PLOT DATE = #DATE#	DATE -	REVISD -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 6 OF 21 SHEETS STA. 255±00 TO STA. 270±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	15
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				CONTRACT NO. 76B33



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
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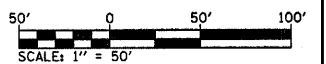
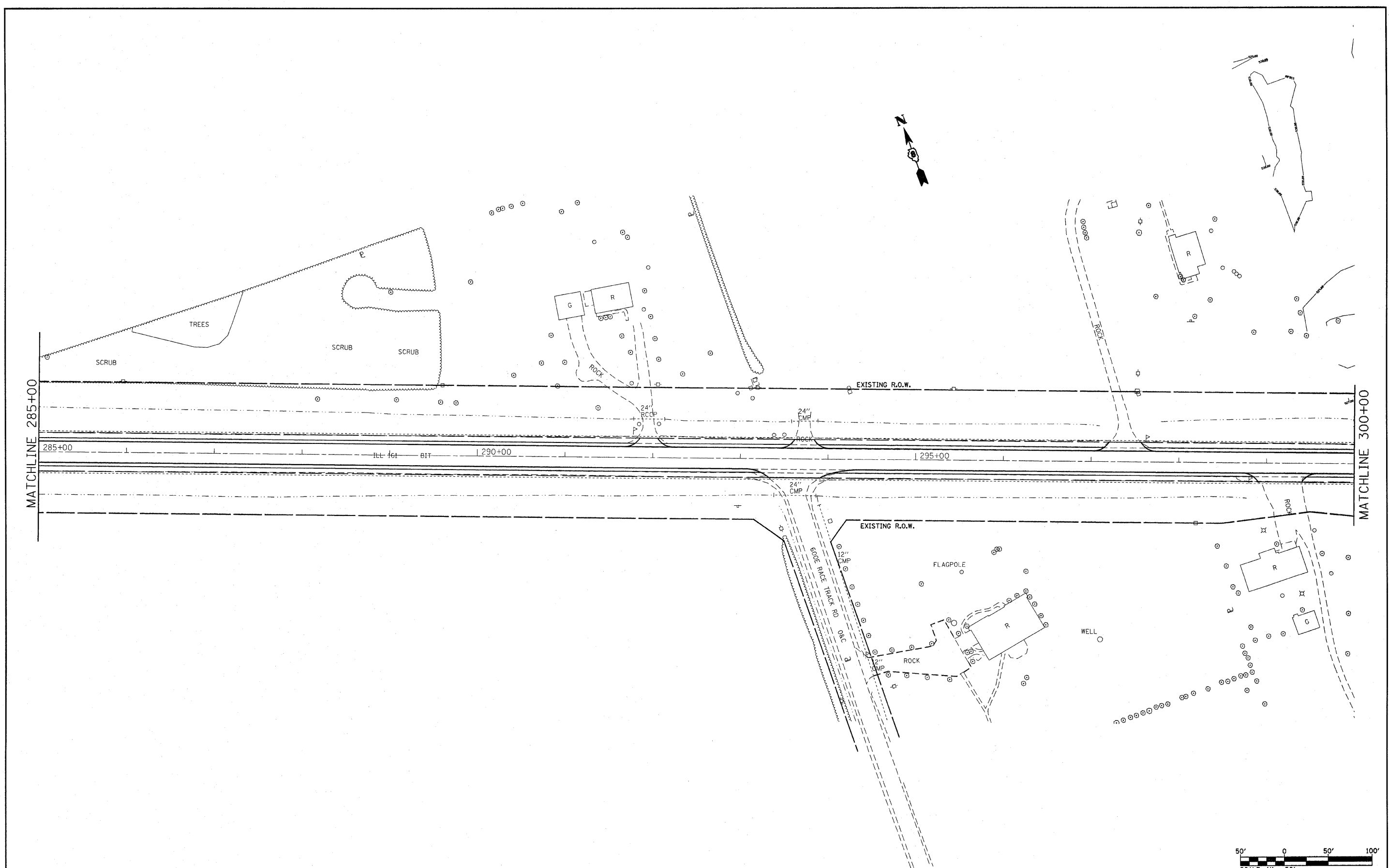
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: ----- SHEET NO. 7 OF 21 SHEETS STA. 270+00 TO STA. 285+00

F.A.P. RTE. 805	SECTION (101.102.61-1-1RS)	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 16
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				CONTRACT NO. 76833





FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
#FILE#		DRAWN - ---	REVISED - ---
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

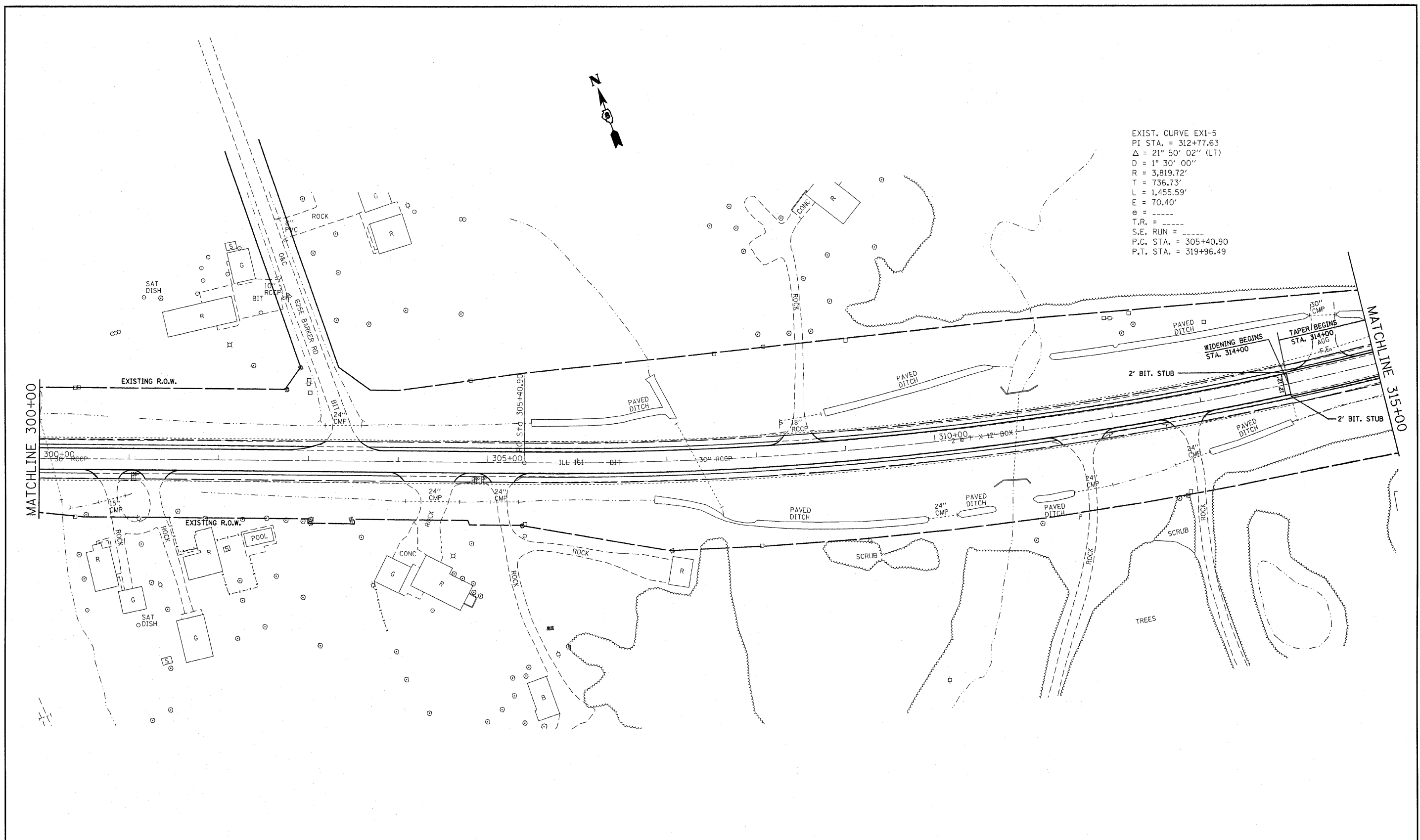
**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 8 OF 21 SHEETS STA. 285±00 TO STA. 300±00

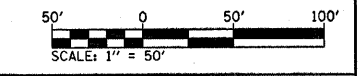
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 76B33				



EXIST. CURVE EX1-5  
 PI STA. = 312+77.63  
 $\Delta = 21^\circ 50' 02''$  (LT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.72'$   
 $T = 736.73'$   
 $L = 1,455.59'$   
 $E = 70.40'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 P.C. STA. = 305+40.90  
 P.T. STA. = 319+96.49



117 BENCHMARK  
 CHIS " " IN WEST END OF SOUTH HEADWALL  
 OF A DOUBLE BOX CULVERT. ELEV. = 506.87  
 STA. 310+65; 53' RT



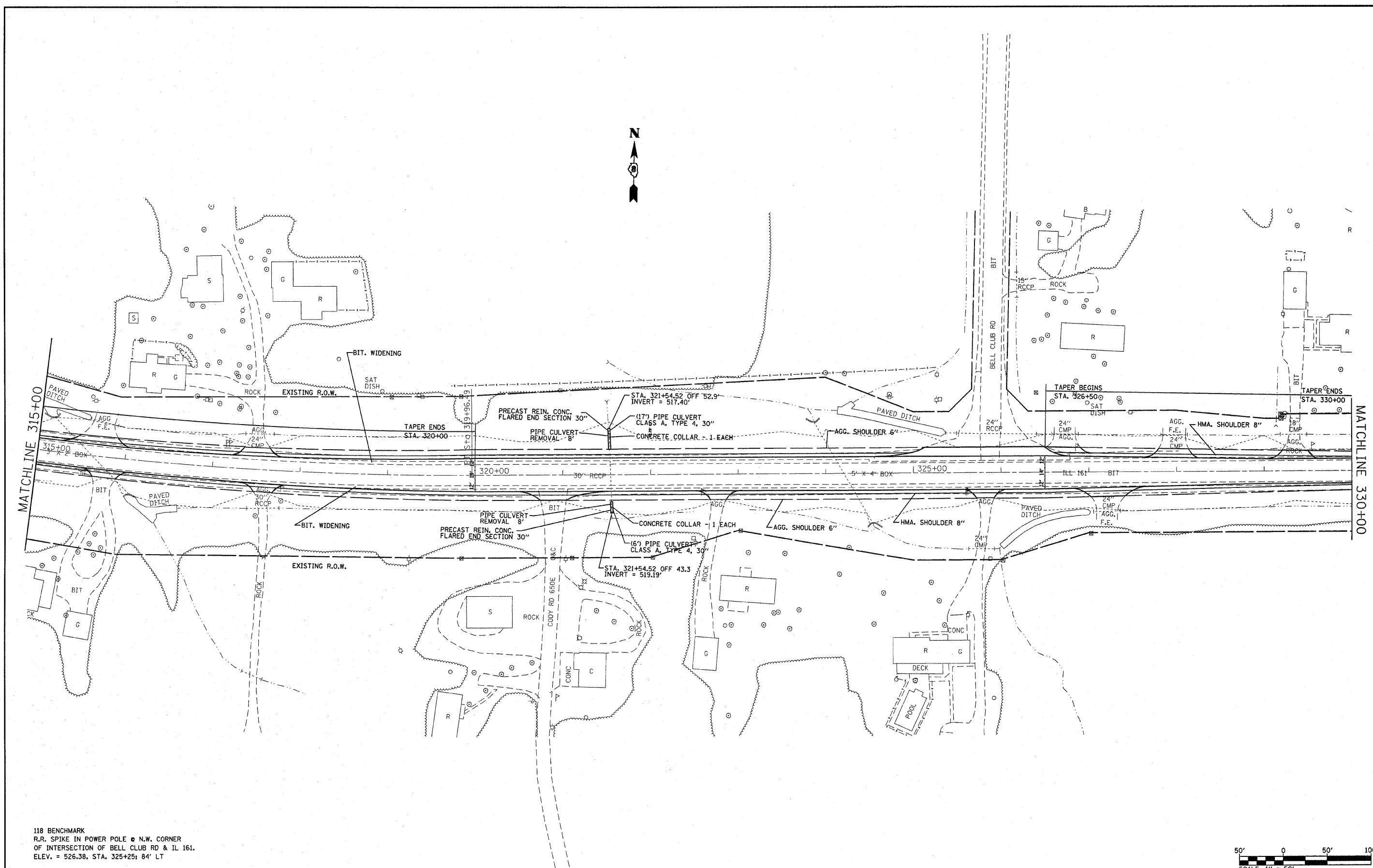
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

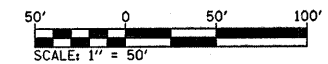
**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 9 OF 21 SHEETS STA. 300+00 TO STA. 315+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	18
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



118 BENCHMARK  
 R.R. SPIKE IN POWER POLE @ N.W. CORNER  
 OF INTERSECTION OF BELL CLUB RD & IL 161.  
 ELEV. = 526.38, STA. 325+25; 84' LT



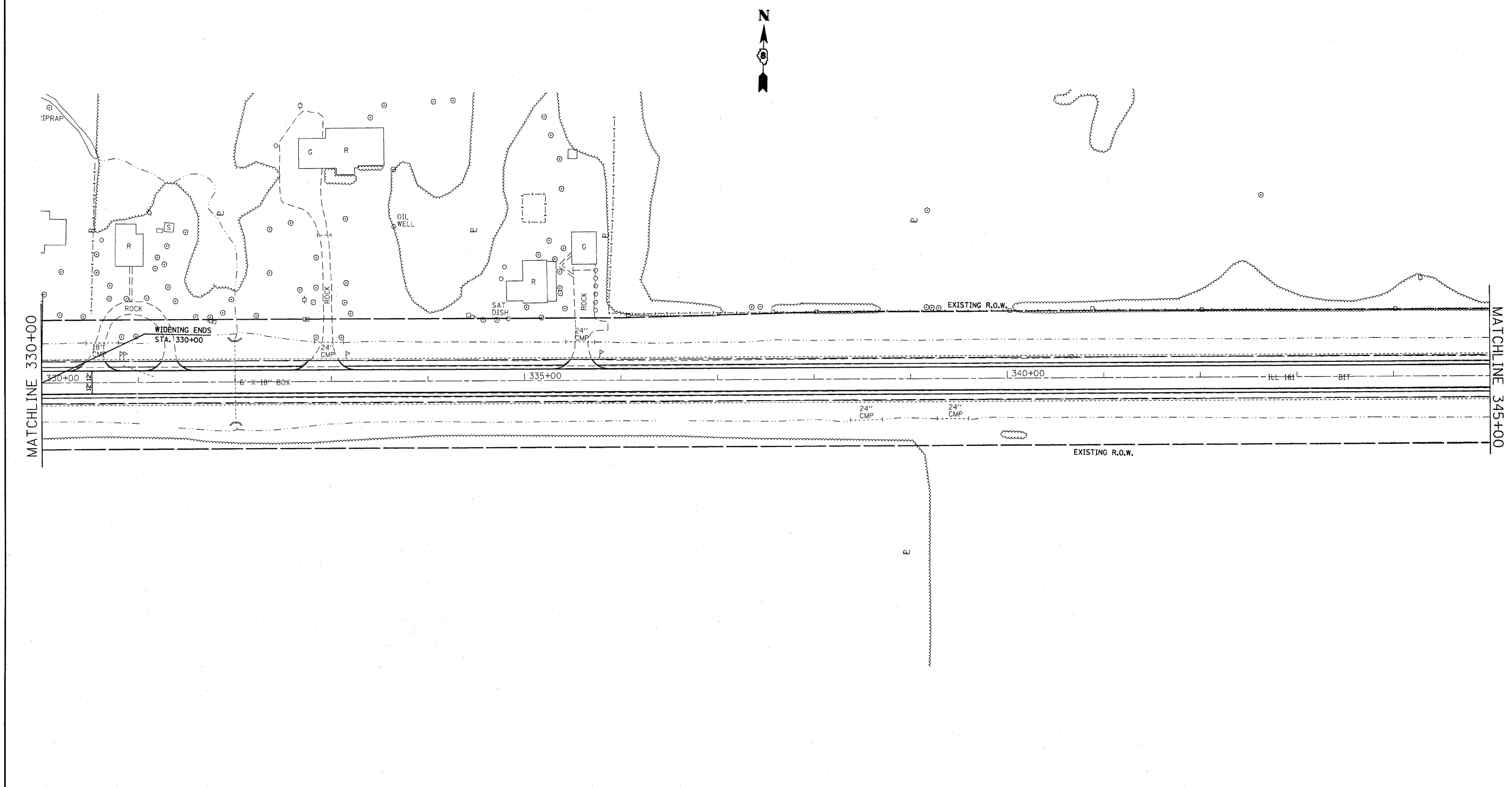
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

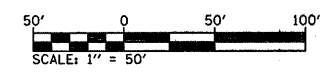
**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 10 OF 21 SHEETS STA. 315±00 TO STA. 330±00

F.A.P. RTE. 805	SECTION (101,102,61-1-1RS)	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 19
CONTRACT NO. 76833				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



119 BENCHMARK  
 R.R. SPIKE IN POWER POLE ON  
 NORTH SIDE OF IL 161.  
 ELEV. = 534.22, STA. 342+00; 71' LT



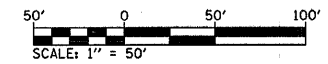
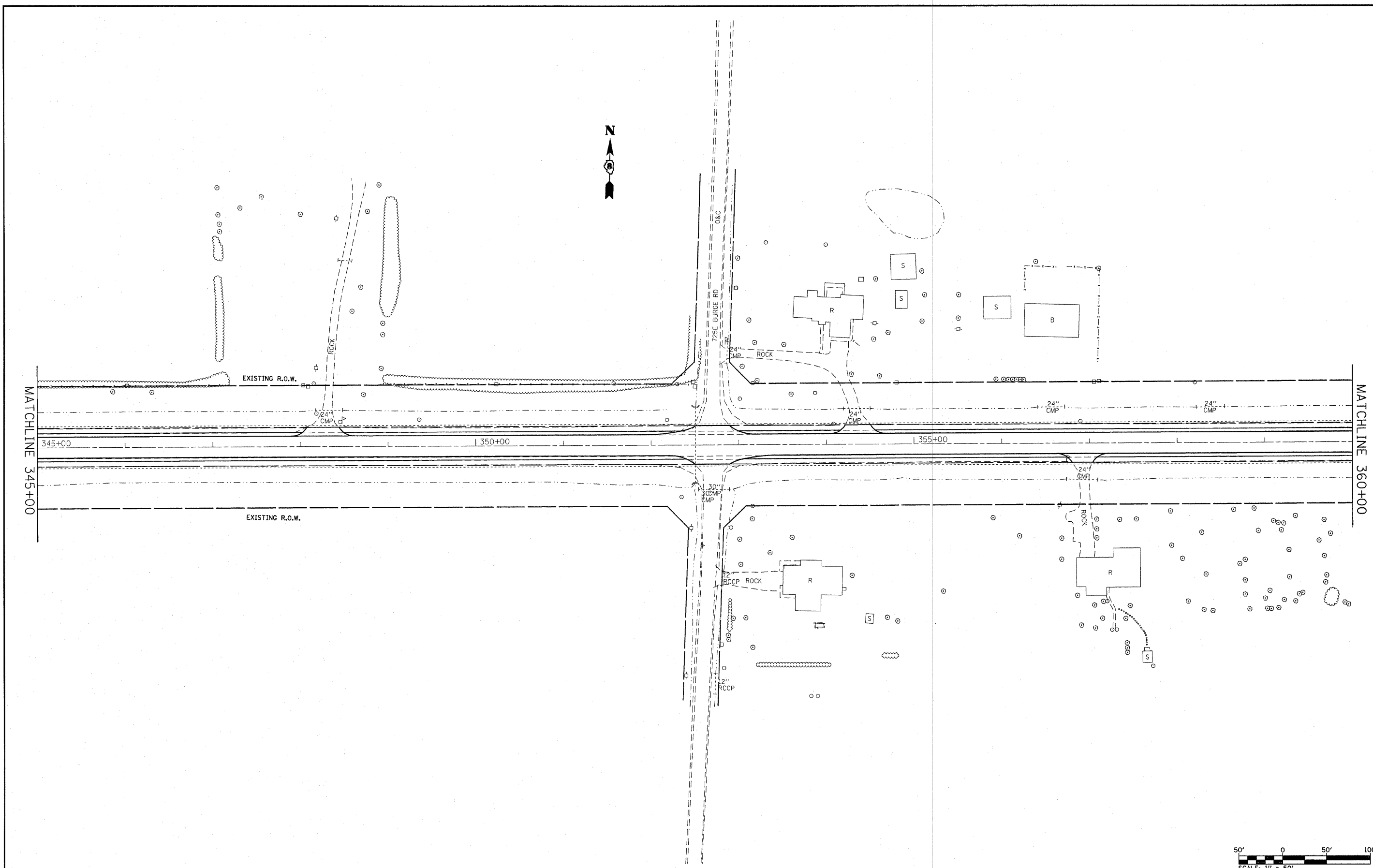
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	PLOT DATE = #DATE#	DATE - -----	REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 11 OF 21 SHEETS STA. 330±00 TO STA. 345±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	20
<b>CONTRACT NO. 76B33</b>				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



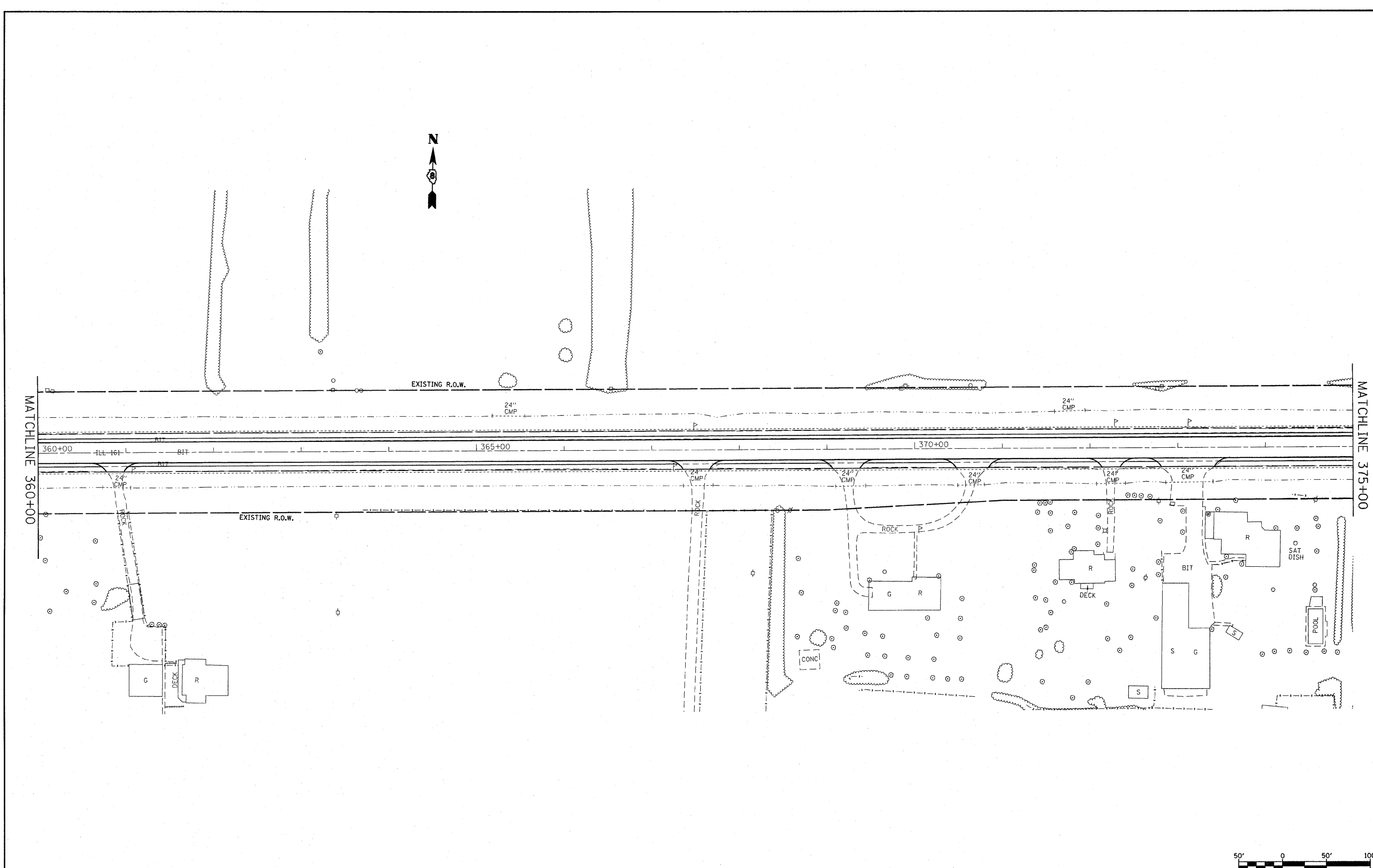
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		DATE - _____	REVISED - ___

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 12 OF 21 SHEETS STA. 345+00 TO STA. 360+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARTON	81	21
<b>CONTRACT NO. 76B33</b>				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



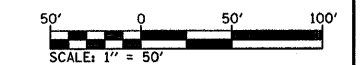
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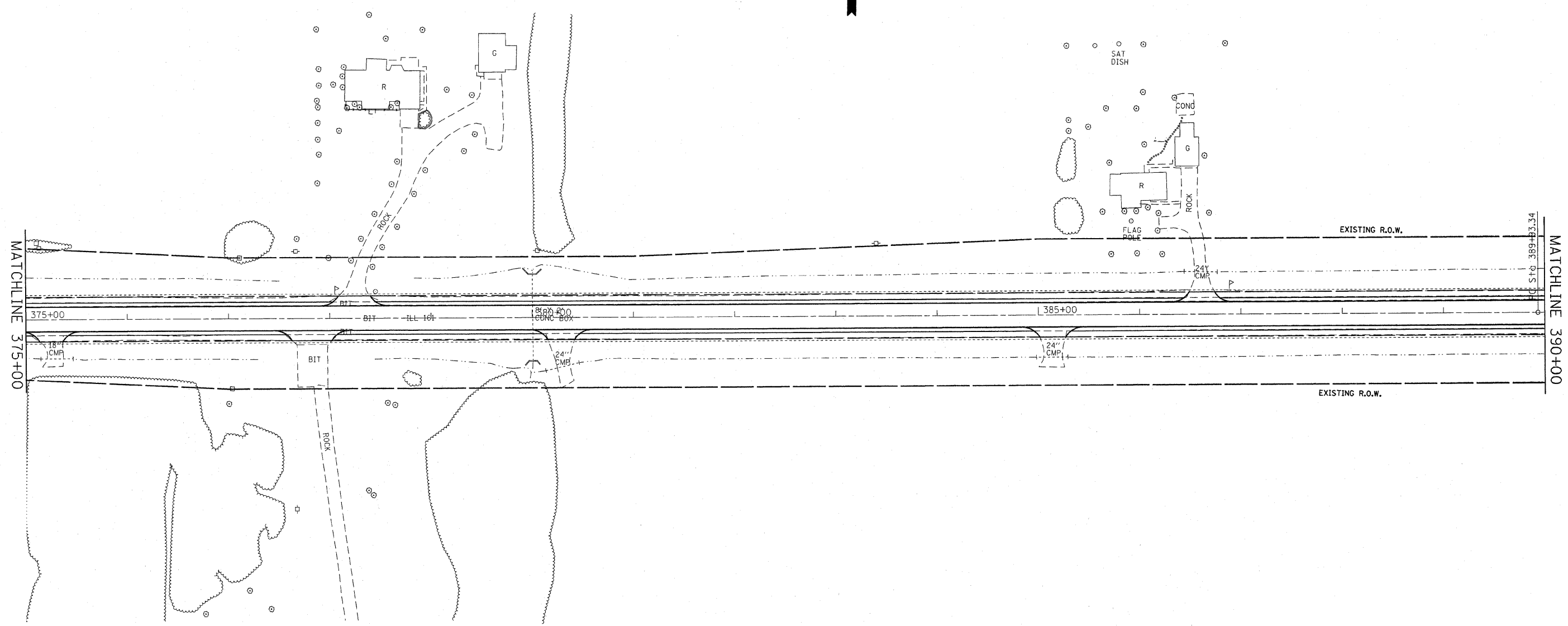
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 13 OF 21 SHEETS STA. 360±00 TO STA. 375±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B33	





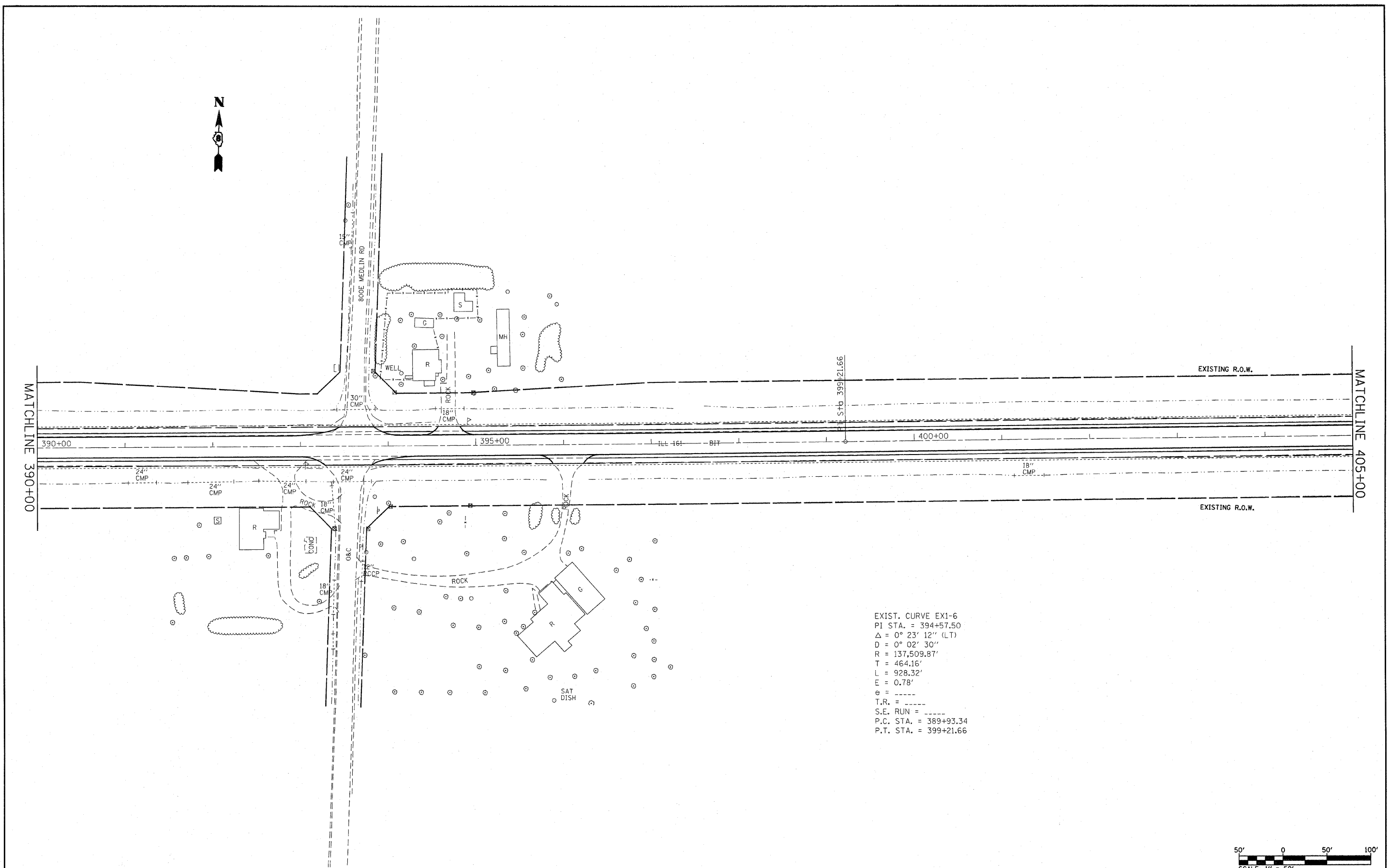
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

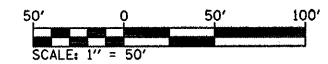
**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 14 OF 21 SHEETS STA. 375±00 TO STA. 390±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	23
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



EXIST. CURVE EX1-6  
 PI STA. = 394+57.50  
 $\Delta = 0^\circ 23' 12''$  (LT)  
 $D = 0^\circ 02' 30''$   
 $R = 137,509.87'$   
 $T = 464.16'$   
 $L = 928.32'$   
 $E = 0.78'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 389+93.34$   
 $P.T. \text{ STA.} = 399+21.66$



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
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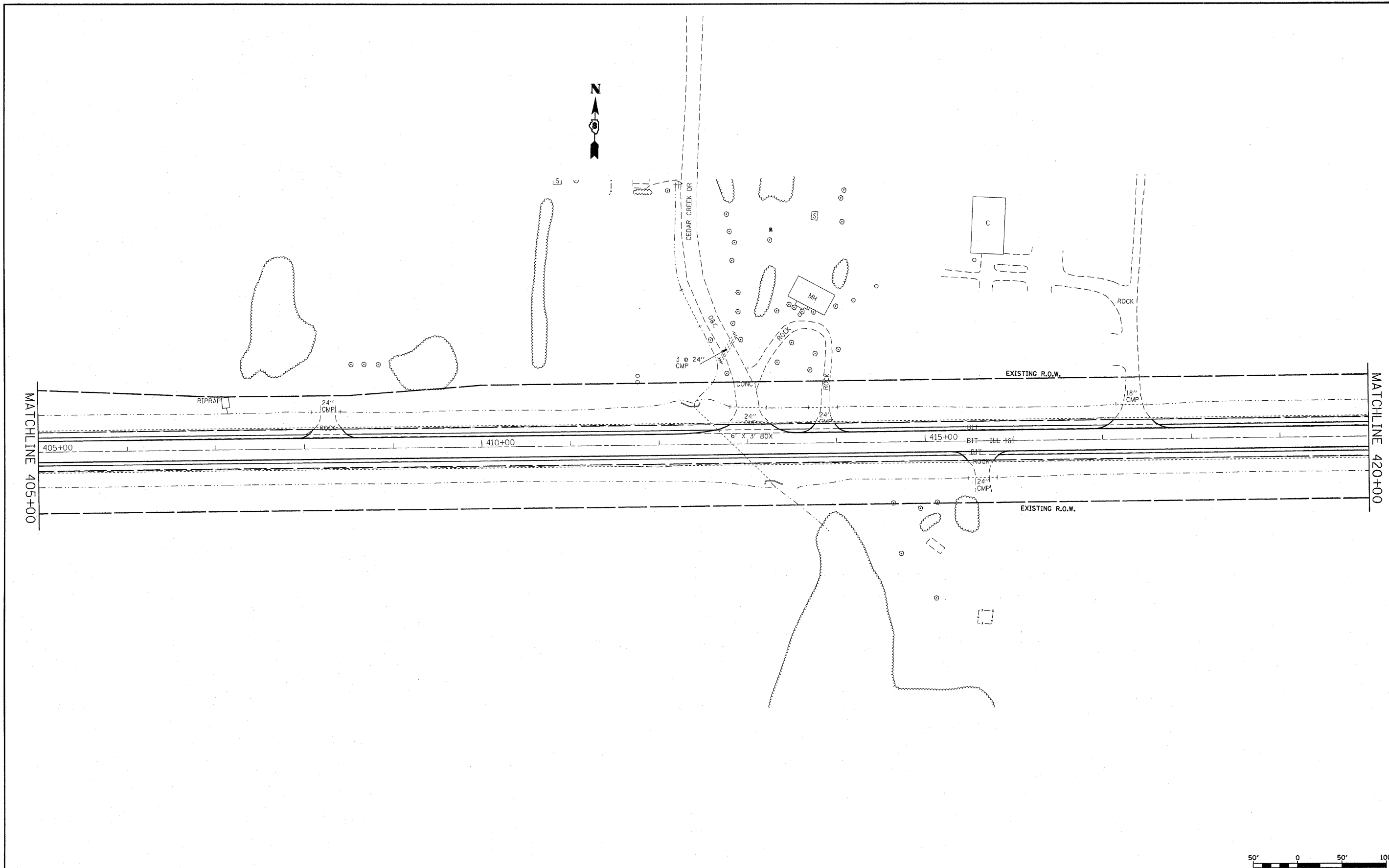
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 15 OF 21 SHEETS STA. 390+00 TO STA. 405+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	24
<b>CONTRACT NO. 76833</b>				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				





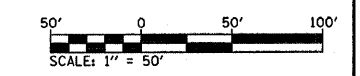
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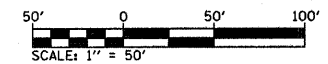
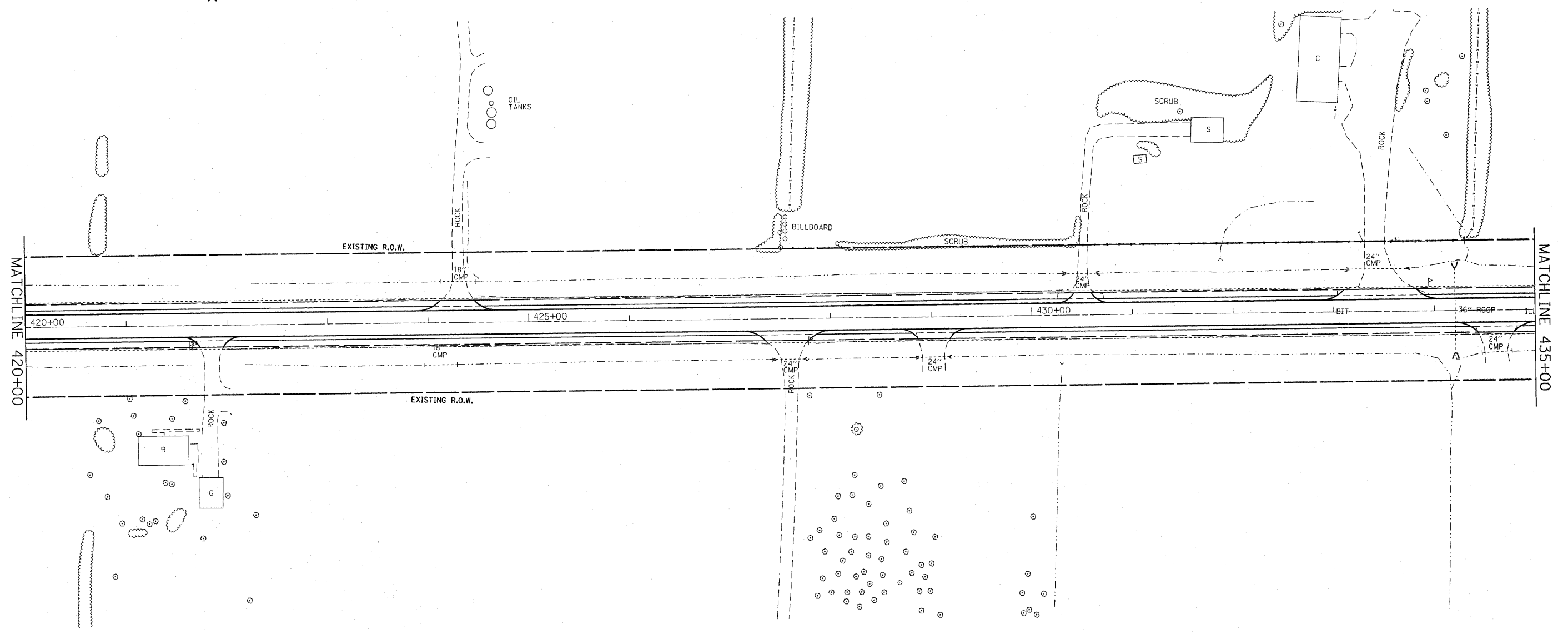
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 16 OF 21 SHEETS STA. 405+00 TO STA. 420+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	25
				<b>CONTRACT NO. 76833</b>
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				





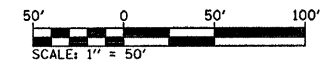
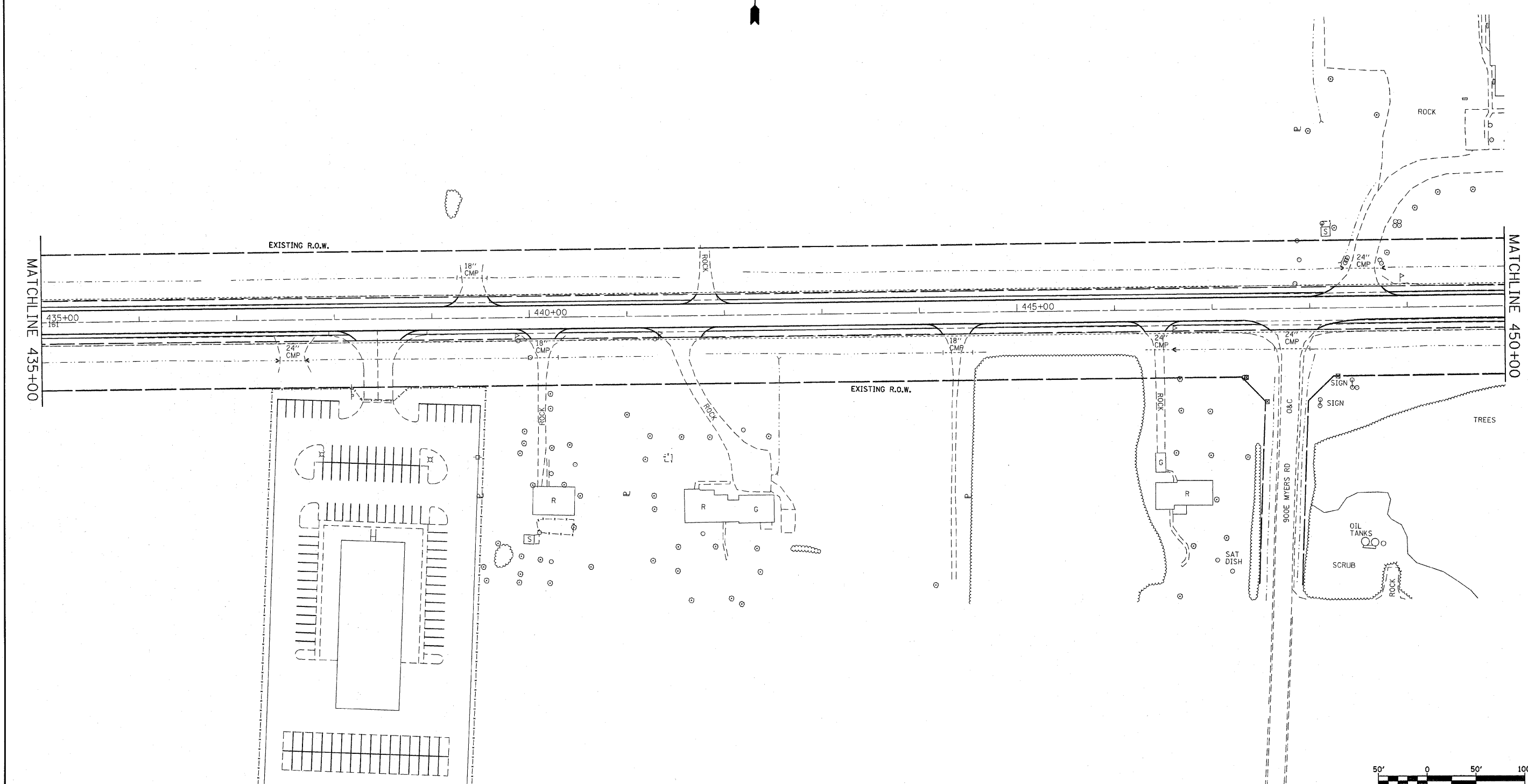
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: ----- SHEET NO. 17 OF 21 SHEETS STA. 420±00 TO STA. 435±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	26
CONTRACT NO. 16833				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



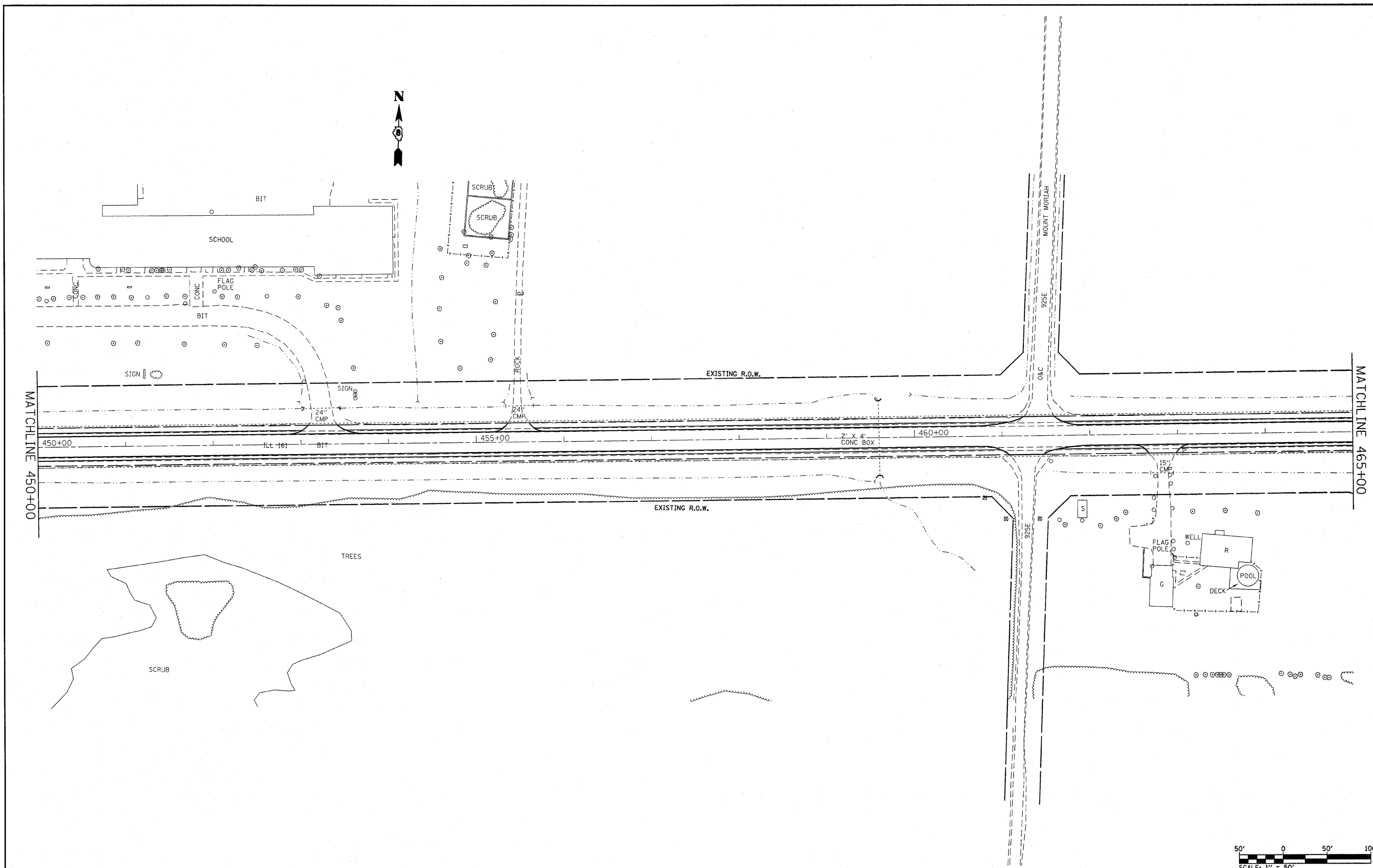
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

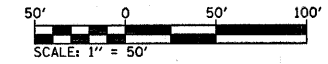
SCALE: \_\_\_\_\_ SHEET NO. 18 OF 21 SHEETS STA. 435±00 TO STA. 450±00

F.A.P. RTE. 805	SECTION (101,102,61-1-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 27
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B33	



MATCHLINE 450+00

MATCHLINE 465+00



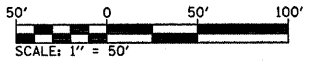
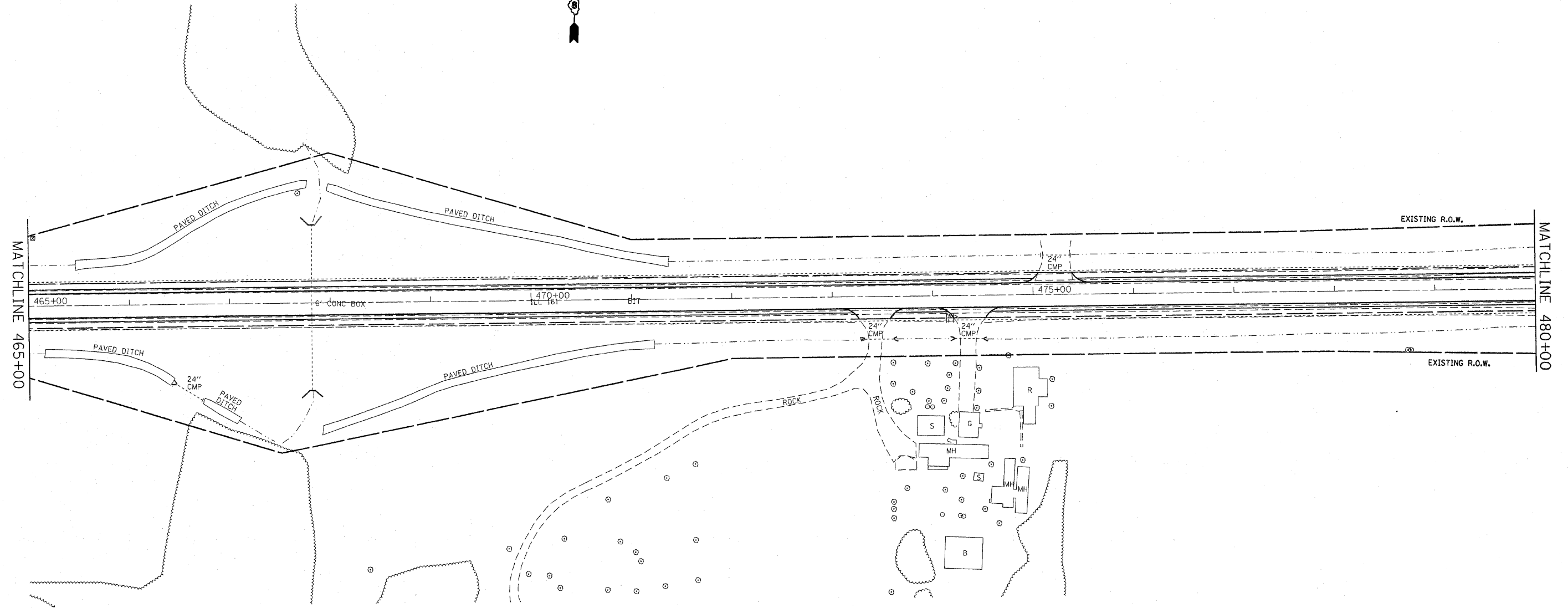
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	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---
		DATE - -----	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**

SCALE: ----- SHEET NO. 19 OF 21 SHEETS STA. 450+00 TO STA. 465+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1RS	MARION	81	28
CONTRACT NO. 76833				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



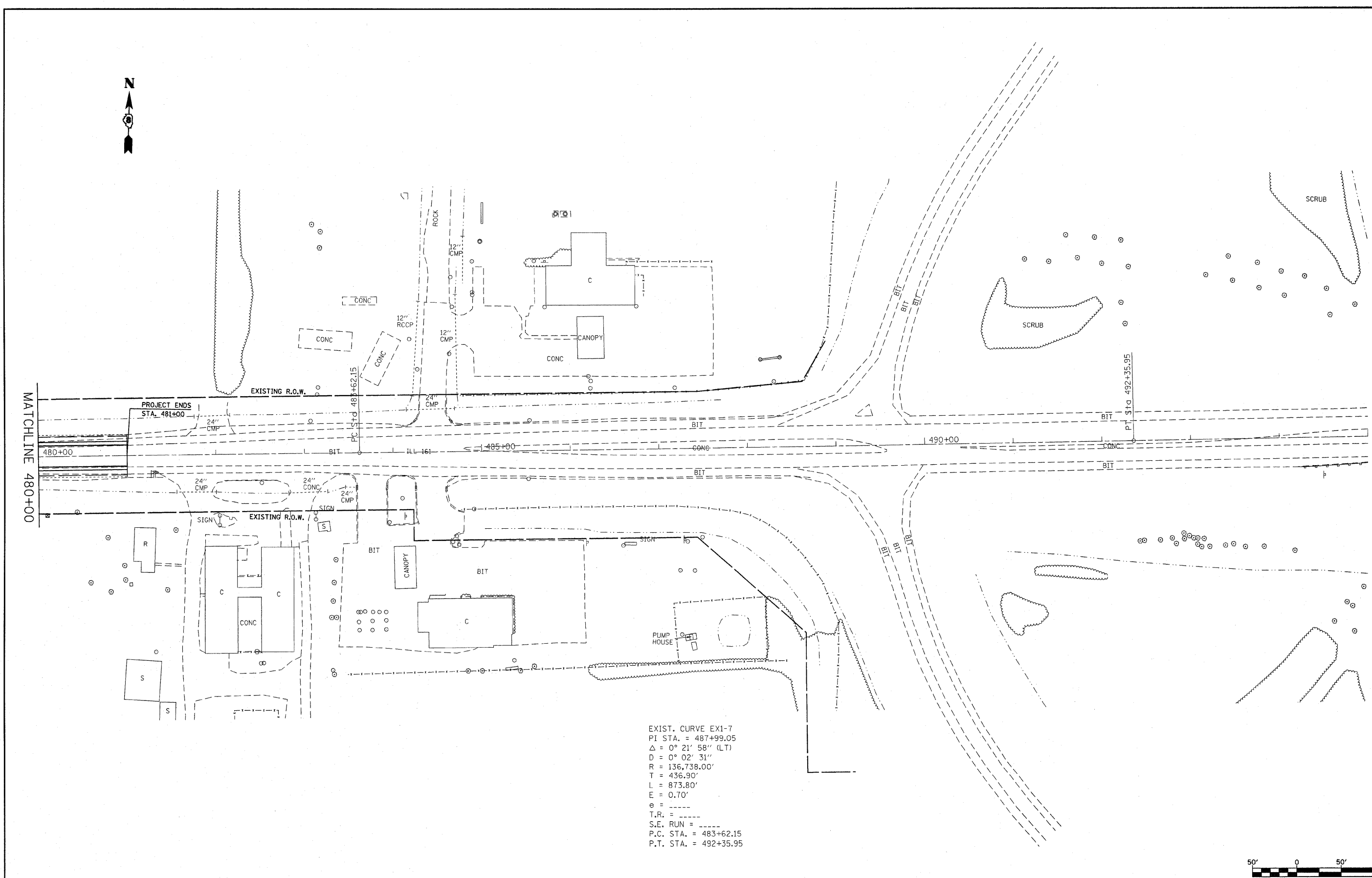
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

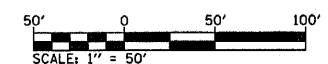
**PLAN VIEW**

SCALE: \_\_\_\_\_ SHEET NO. 20 OF 21 SHEETS STA. 465+00 TO STA. 480+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	29
				<b>CONTRACT NO. 76833</b>
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



EXIST. CURVE EX1-7  
 PI STA. = 487+99.05  
 $\Delta = 0^\circ 21' 58''$  (LT)  
 $D = 0^\circ 02' 31''$   
 $R = 136,738.00'$   
 $T = 436.90'$   
 $L = 873.80'$   
 $E = 0.70'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 483+62.15$   
 $P.T. STA. = 492+35.95$

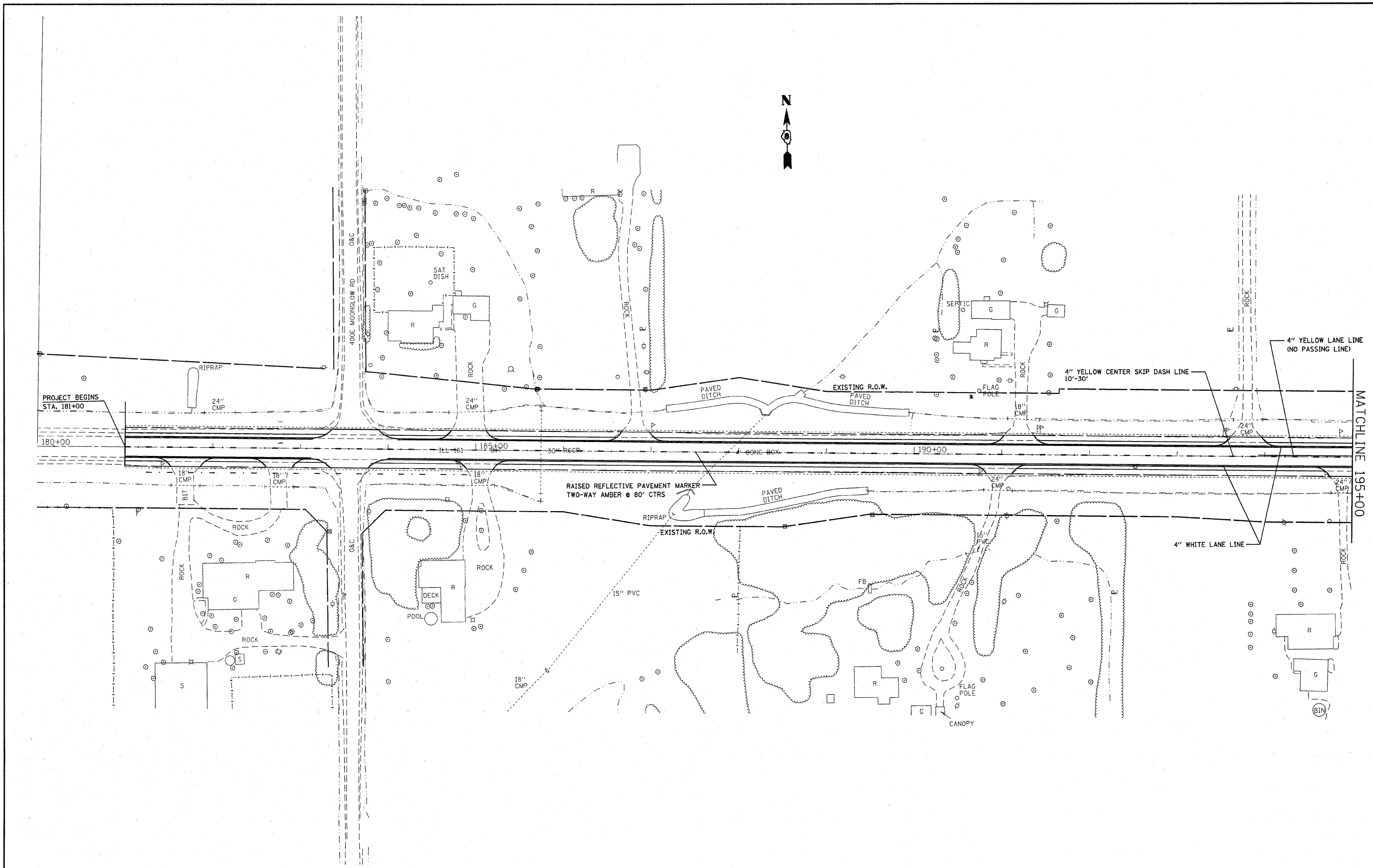


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	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW**  
 SCALE: \_\_\_\_\_ SHEET NO. 21 OF 21 SHEETS STA. 480+00 TO STA. 495+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	30
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

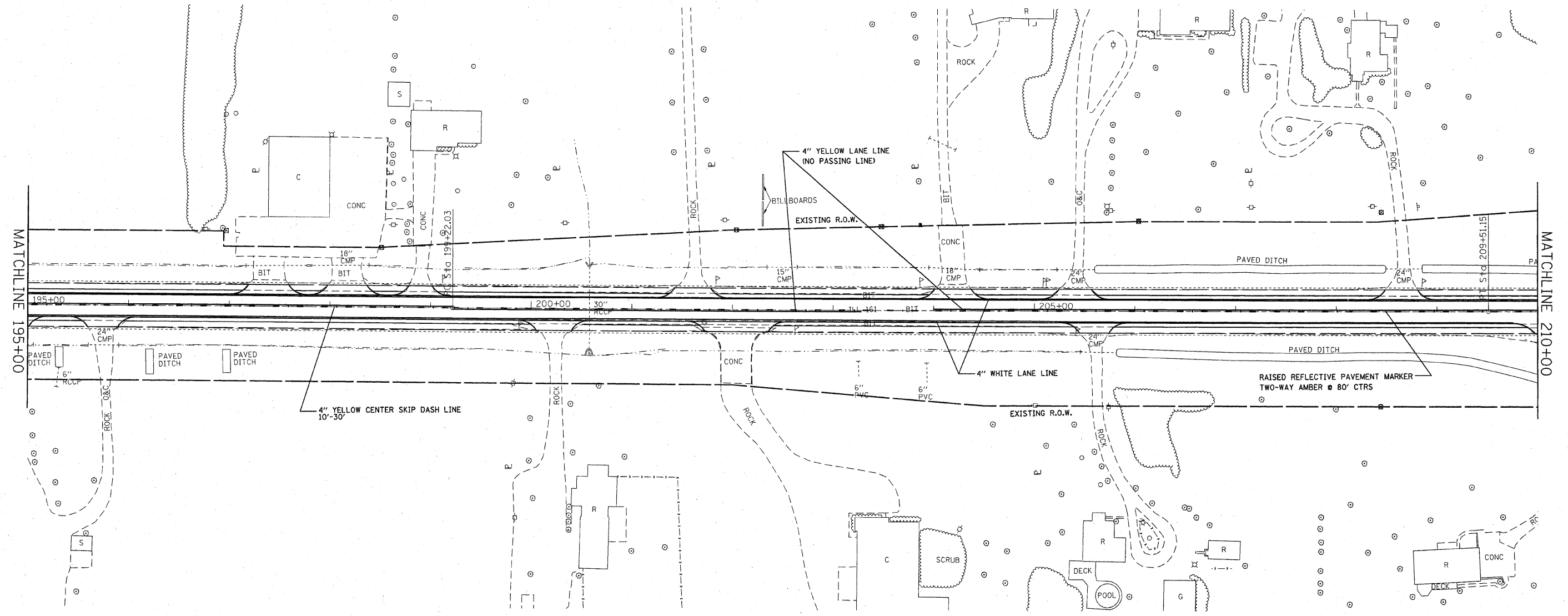
PAVEMENT MARKINGS		
SCALE: _____	SHEET NO. 1 OF 21 SHEETS	STA. 181±00 TO STA. 195±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	31
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

MATCHLINE 195+00



EXIST. CURVE EX1-3  
 PI STA. = 204+36.59  
 $\Delta = 0^\circ 25' 44''$  (LT)  
 $D = 0^\circ 02' 30''$   
 $R = 137,509.87'$   
 $T = 514.56'$   
 $L = 1,029.12'$   
 $E = 0.96'$   
 $\theta = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 199+22.03$   
 $P.T. \text{ STA.} = 209+51.15$



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
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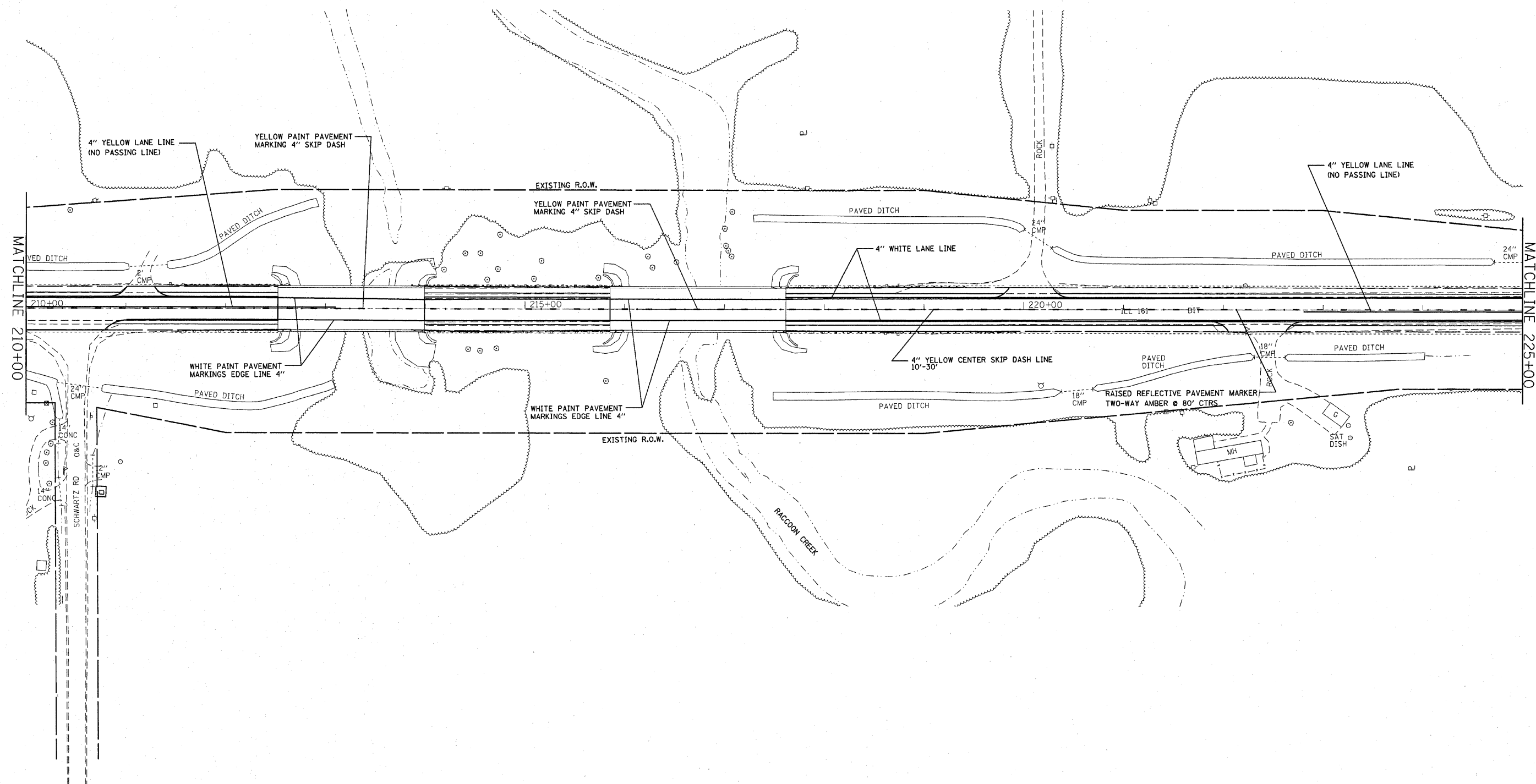
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS**

SCALE: \_\_\_\_\_ SHEET NO. 2 OF 21 SHEETS STA. 195+00 TO STA. 210+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARTON	81	32
CONTRACT NO. 16833				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



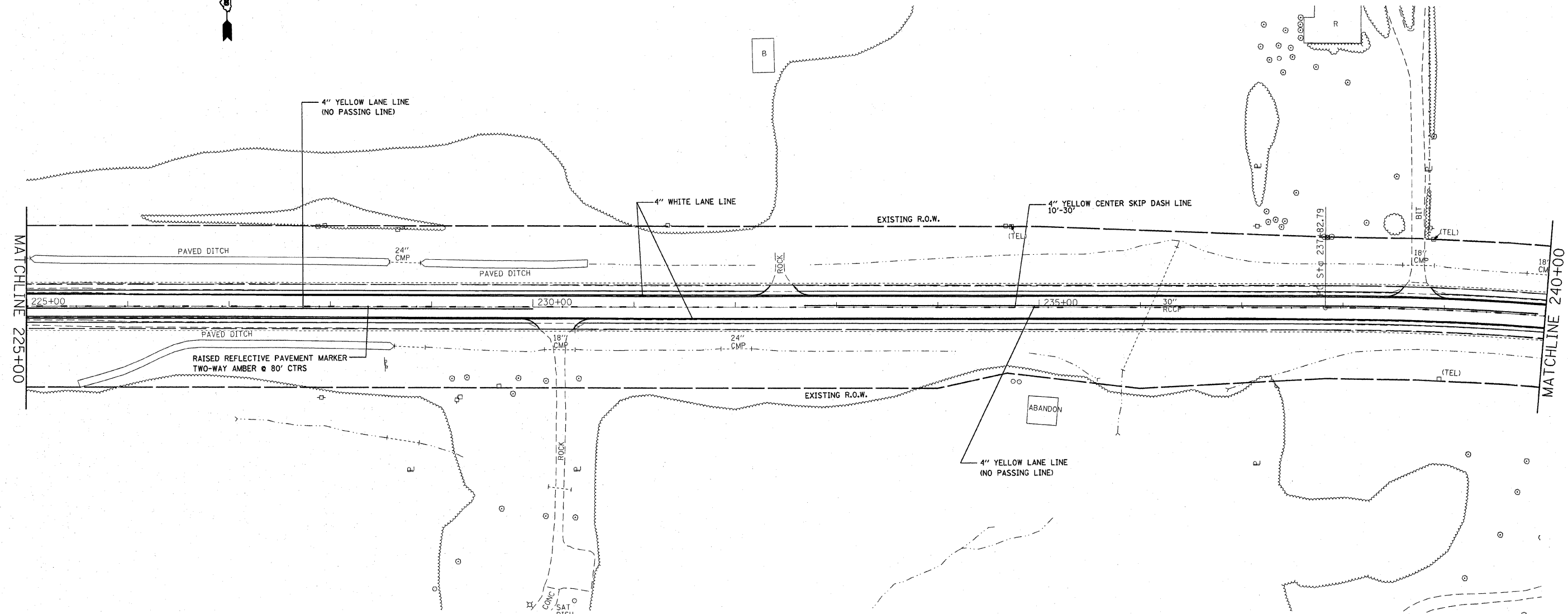


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		DATE - ---	REVISED - ---
PLOT SCALE = #SCALE#			
PLOT DATE = #DATE#			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKINGS</b>		
SCALE: -----	SHEET NO. 3 OF 21 SHEETS	STA. 210+00 TO STA. 225+00

F.A.P. RTE. 805	SECTION (101,102,61-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 33
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



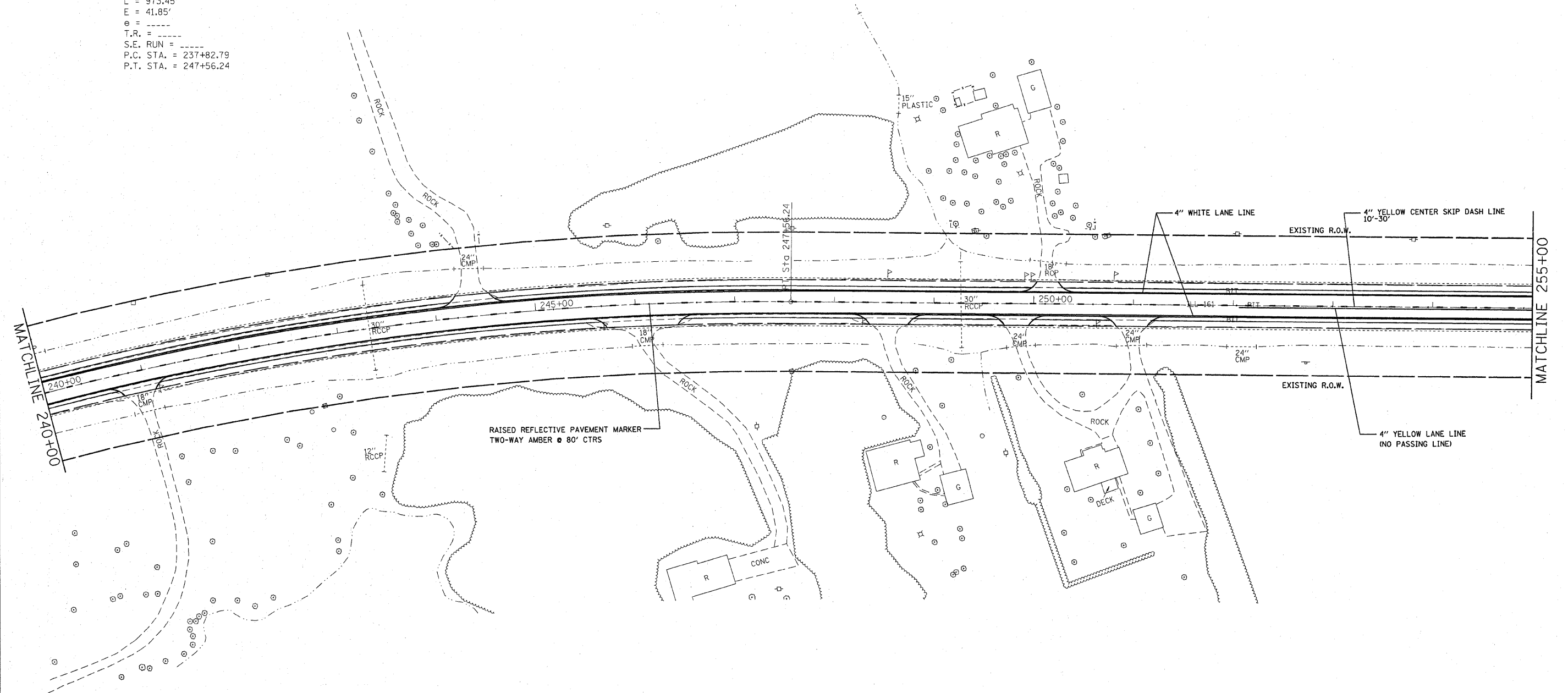
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		DATE - ---	REVISED - ---
PLOT SCALE = #SCALE#			
PLOT DATE = #DATE#			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKINGS</b>		
SCALE: -----	SHEET NO. 4 OF 21 SHEETS	STA. 225+00 TO STA. 240+00

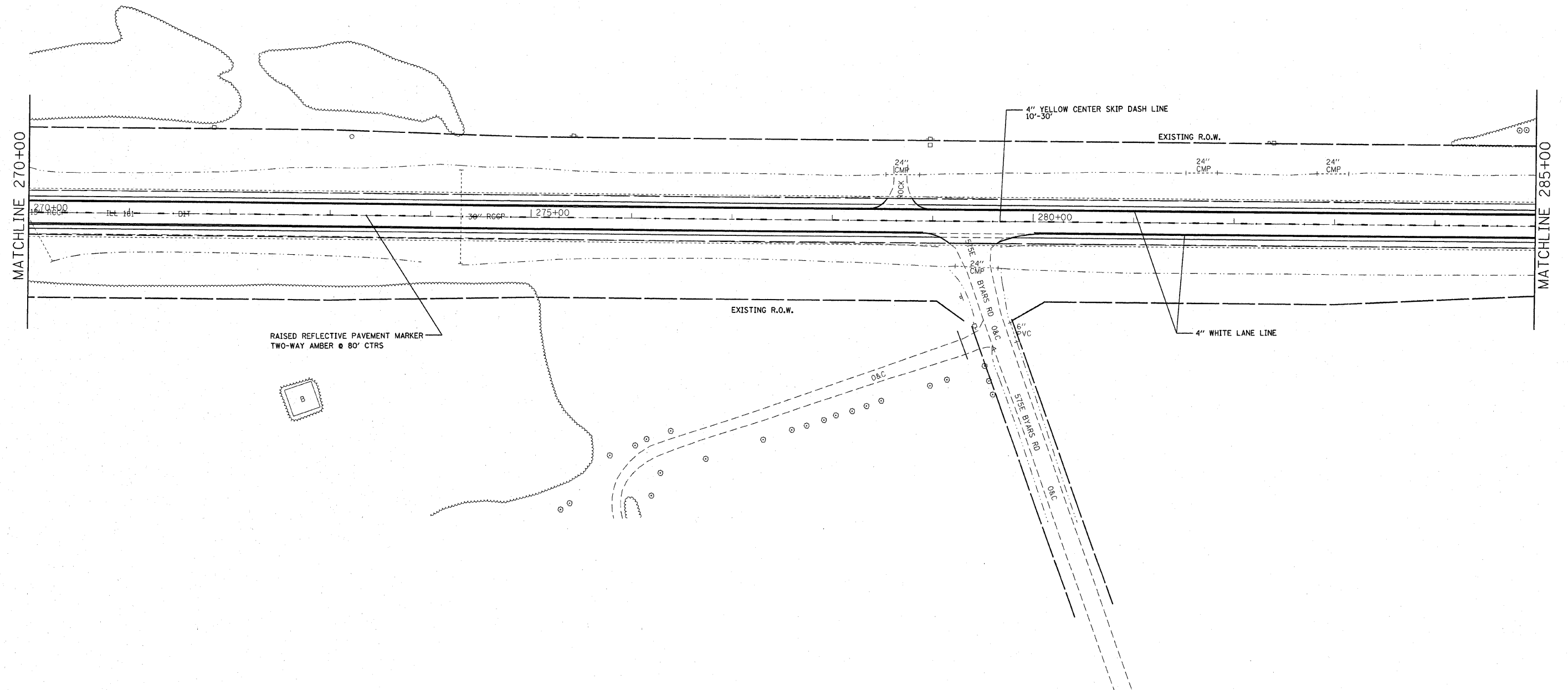
F.A.P. RTE. 805	SECTION (101.102.61-1-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 34
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76B33	

EXIST. CURVE EX1-4  
 PI STA. = 242+74.25  
 $\Delta = 19^\circ 28' 08''$  (RT)  
 $D = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 491.46'$   
 $L = 973.45'$   
 $E = 41.85'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 237+82.79$   
 $P.T. \text{ STA.} = 247+56.24$



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -					805	(101,102,61-1)RS	MARION	81	35
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: -----	SHEET NO. 5 OF 21 SHEETS	STA. 240±00 TO STA. 255±00	CONTRACT NO. 76B33				
	PLOT DATE = #DATE#	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							





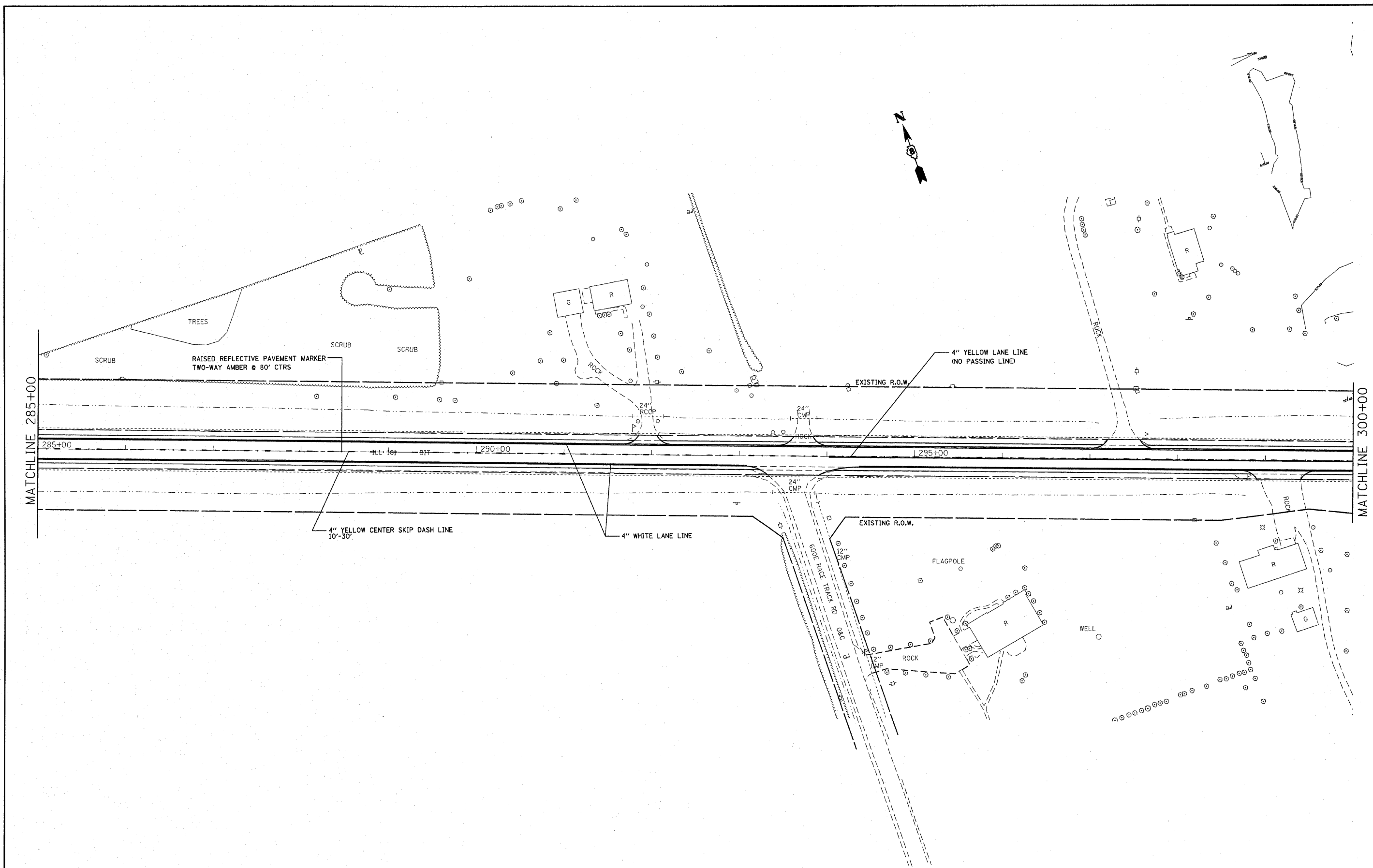
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	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS**

SCALE: \_\_\_\_\_ SHEET NO. 7 OF 21 SHEETS STA. 270+00 TO STA. 285+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	37
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
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	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---
		DATE - ---	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

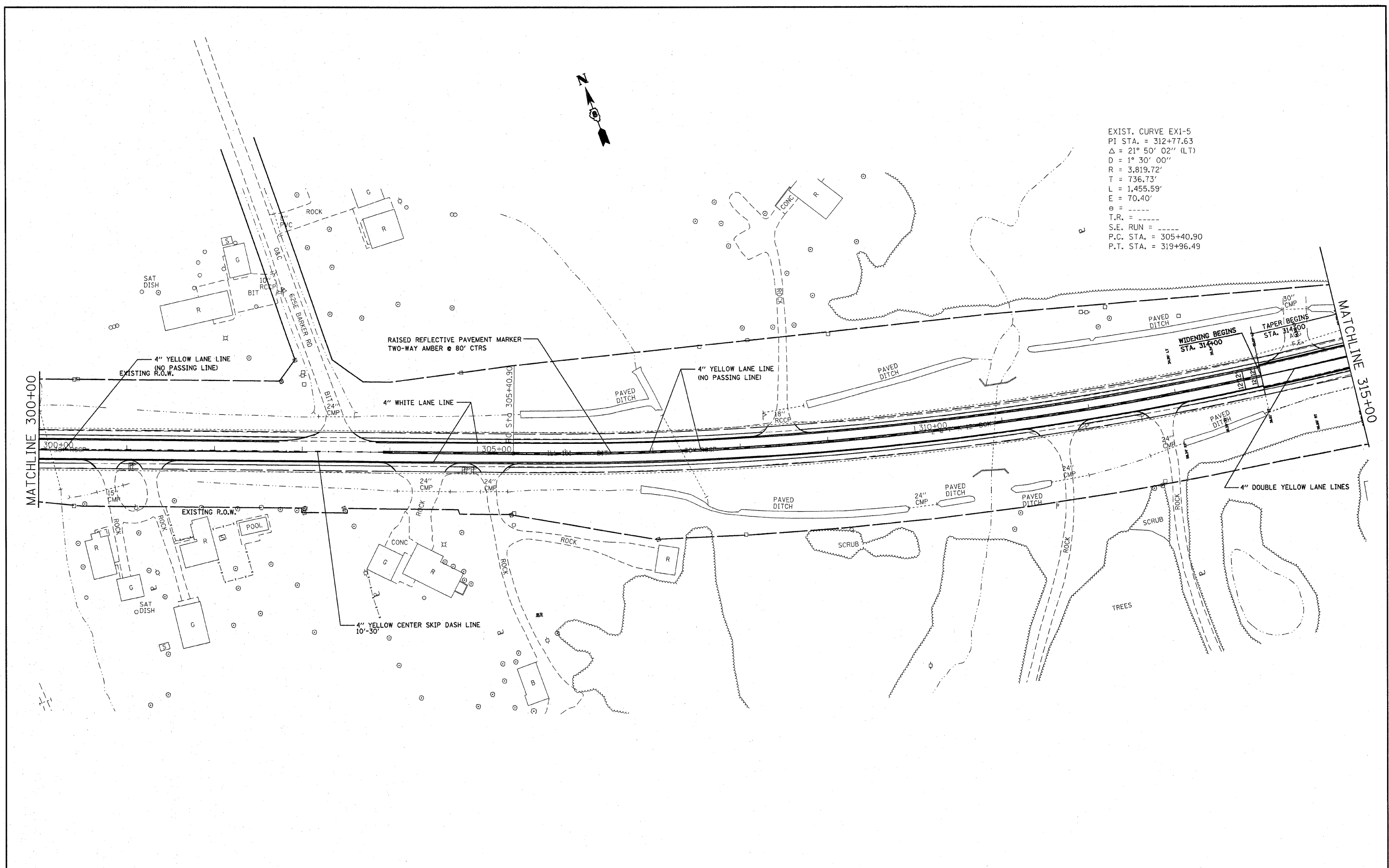
**PAVEMENT MARKINGS**

SCALE: \_\_\_\_\_ SHEET NO. 8 OF 21 SHEETS STA. 285+00 TO STA. 300+00

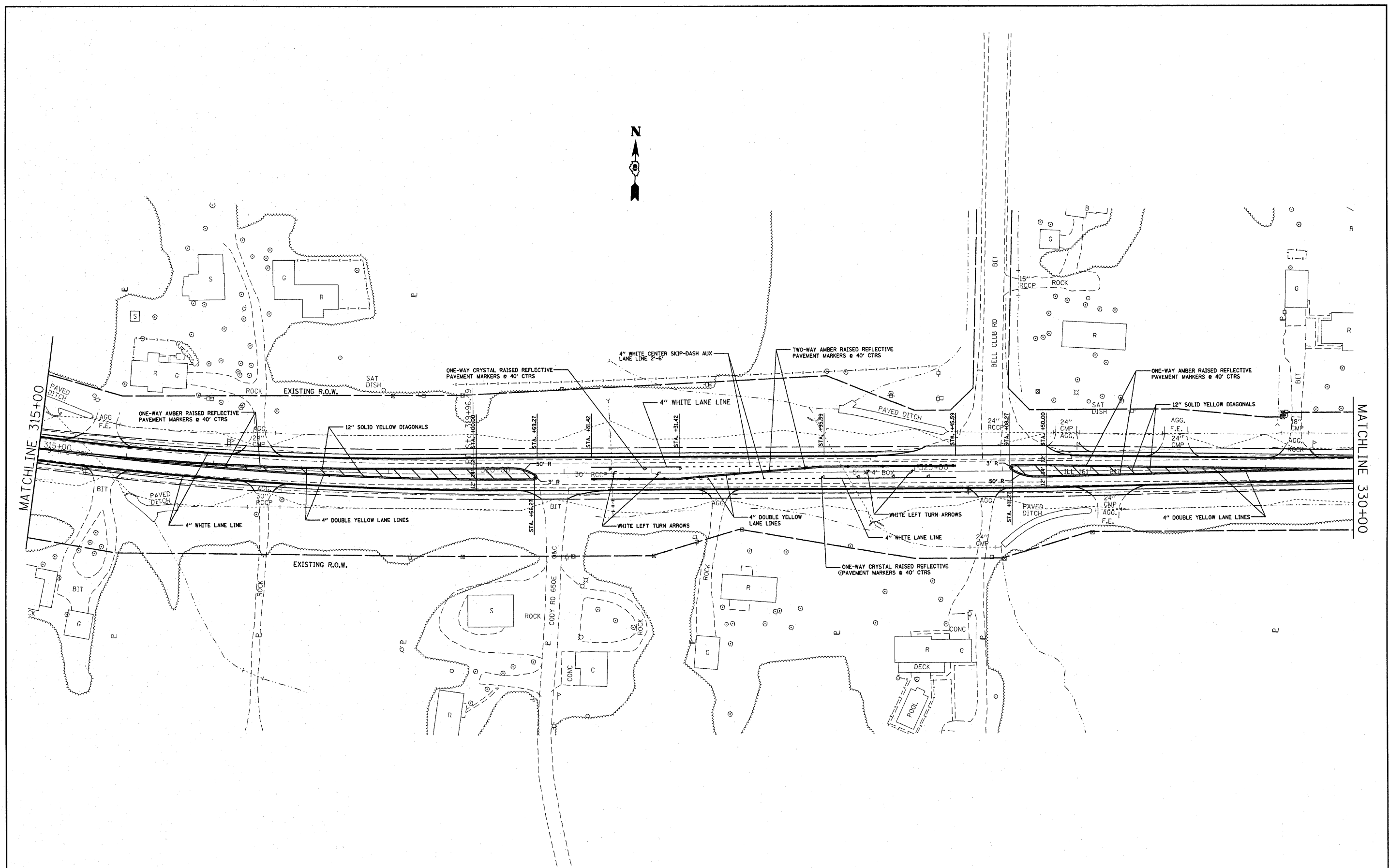
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	38
<b>CONTRACT NO. 76B33</b>				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



EXIST. CURVE EX1-5  
 PI STA. = 312+77.63  
 $\Delta = 21^\circ 50' 02''$  (LT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.72'$   
 $T = 736.73'$   
 $L = 1,455.59'$   
 $E = 70.40'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 305+40.90$   
 $P.T. STA. = 319+96.49$

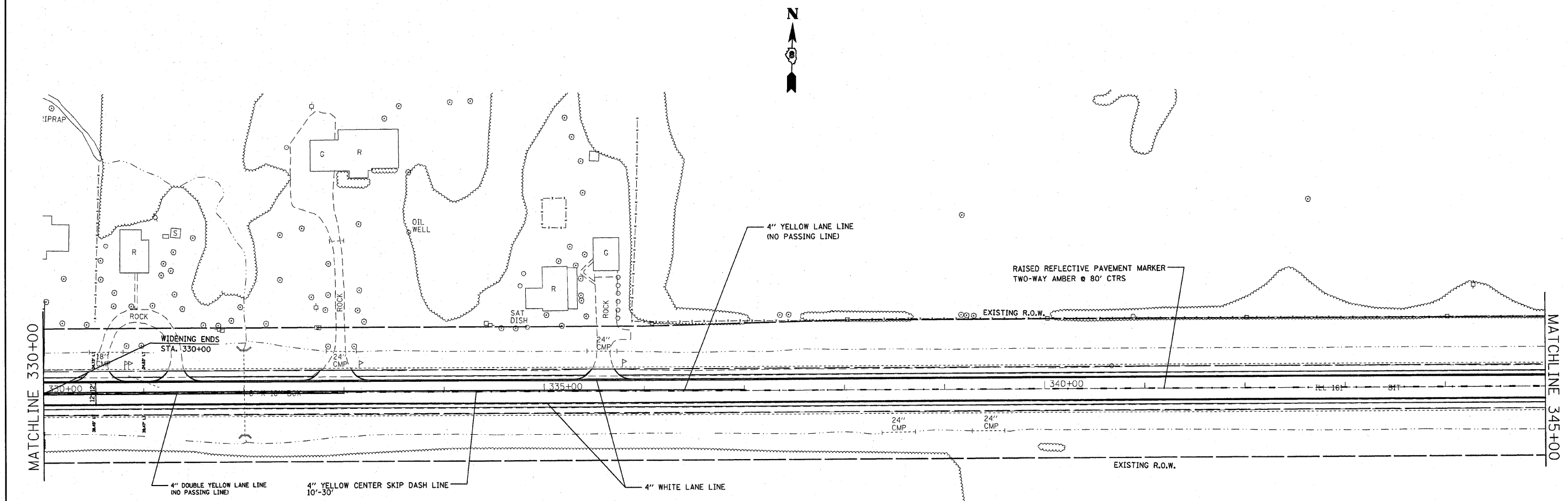


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PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---	REVISED - ---		SCALE: -----	SHEET NO. 9 OF 21 SHEETS	STA. 300+00 TO STA. 315+00	CONTRACT NO. 76833				
PLOT DATE = #DATE#	DATE - -----	REVISED - ---	REVISED - ---		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---		805	(101,102,61-1)RS	MARION	81	40			
PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---			SCALE: _____ SHEET NO. 10 OF 21 SHEETS STA. 315+00 TO STA. 330+00			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	DATE - -----	REVISED - ---						CONTRACT NO. 76B33				





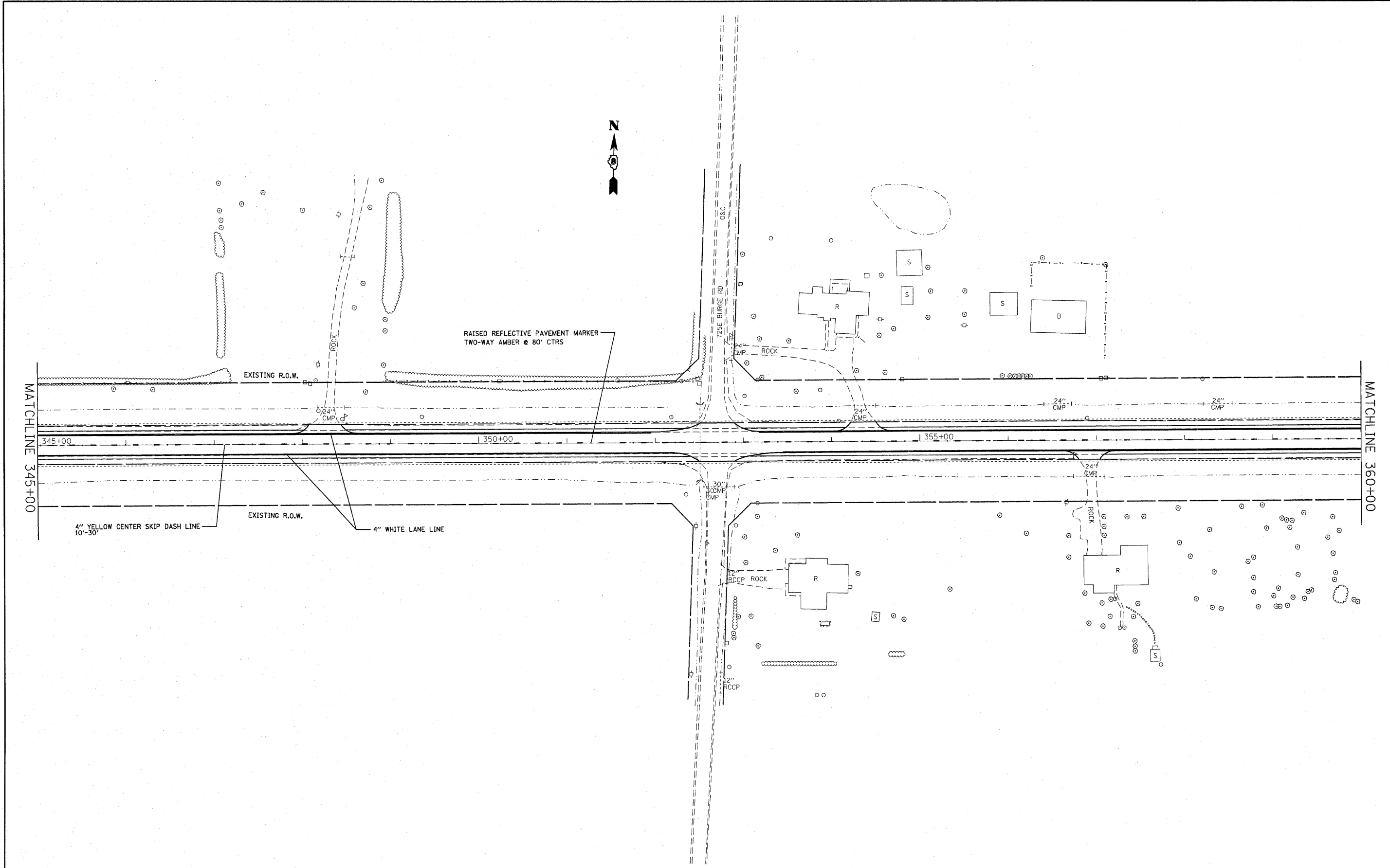
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	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---
		DATE - -----	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS**

SCALE: \_\_\_\_\_ SHEET NO. 11 OF 21 SHEETS STA. 330+00 TO STA. 345+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARTON	81	41
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B33	



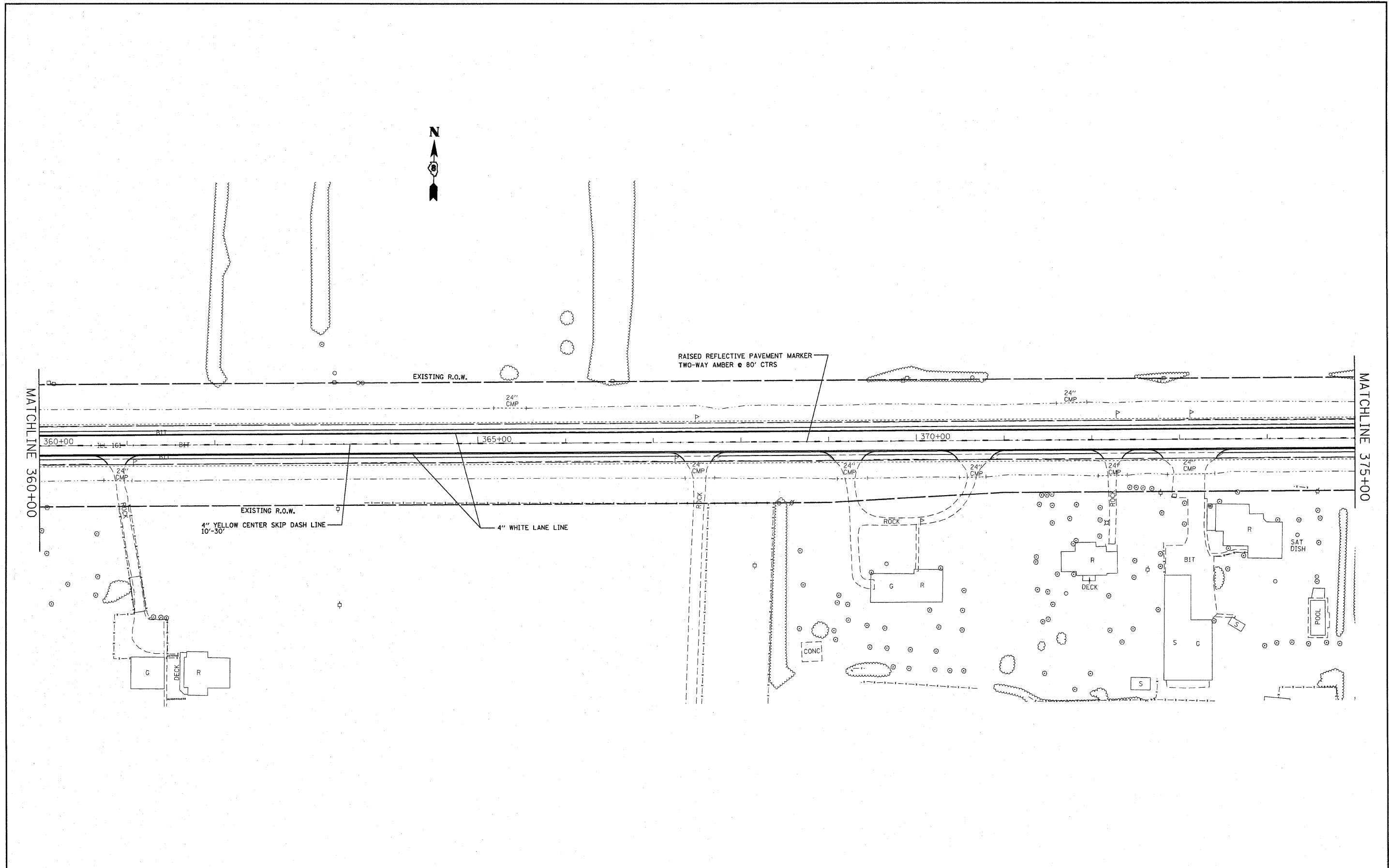
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

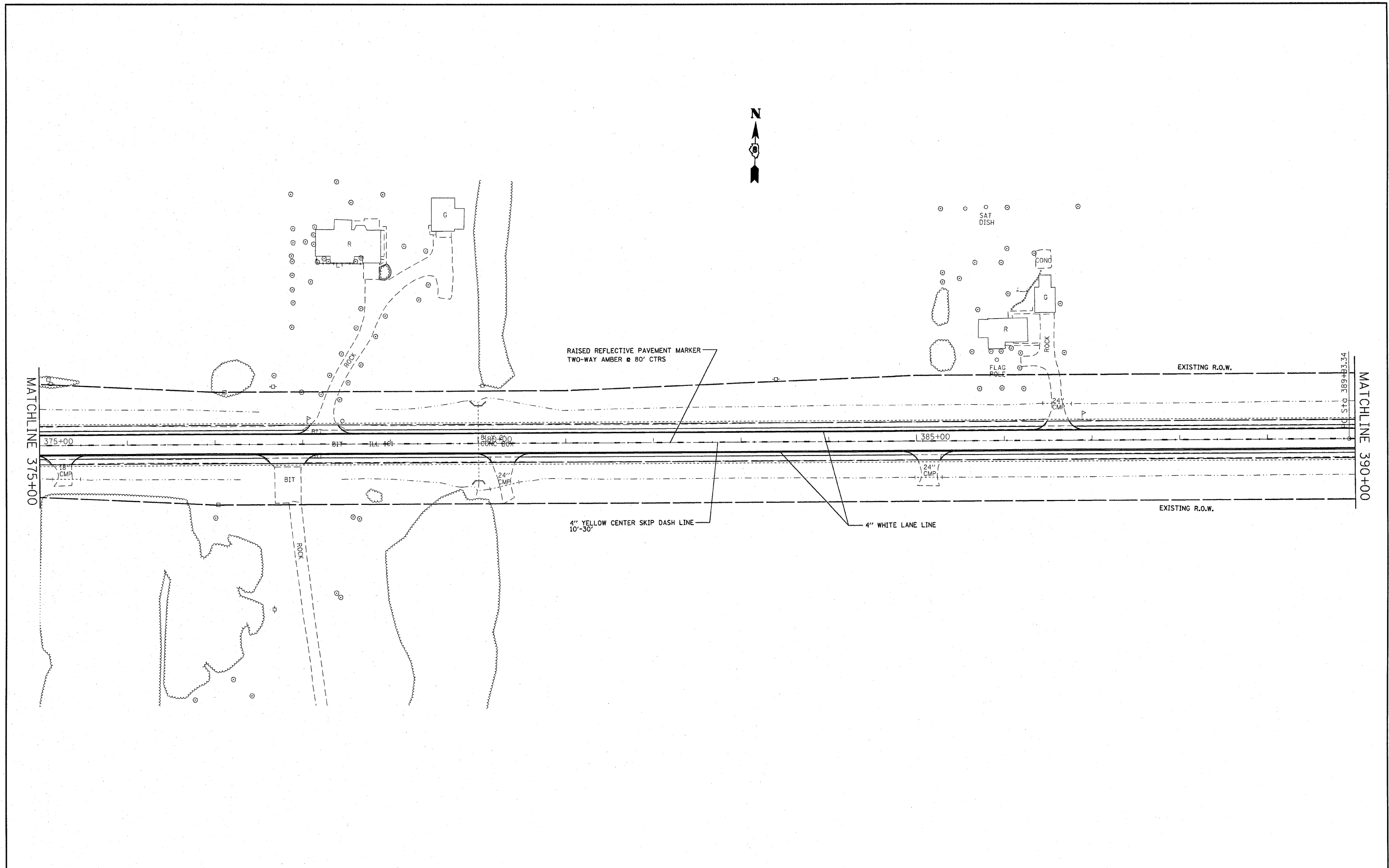
**PAVEMENT MARKINGS**

SCALE: \_\_\_\_\_ SHEET NO. 12 OF 21 SHEETS STA. 345+00 TO STA. 360+00

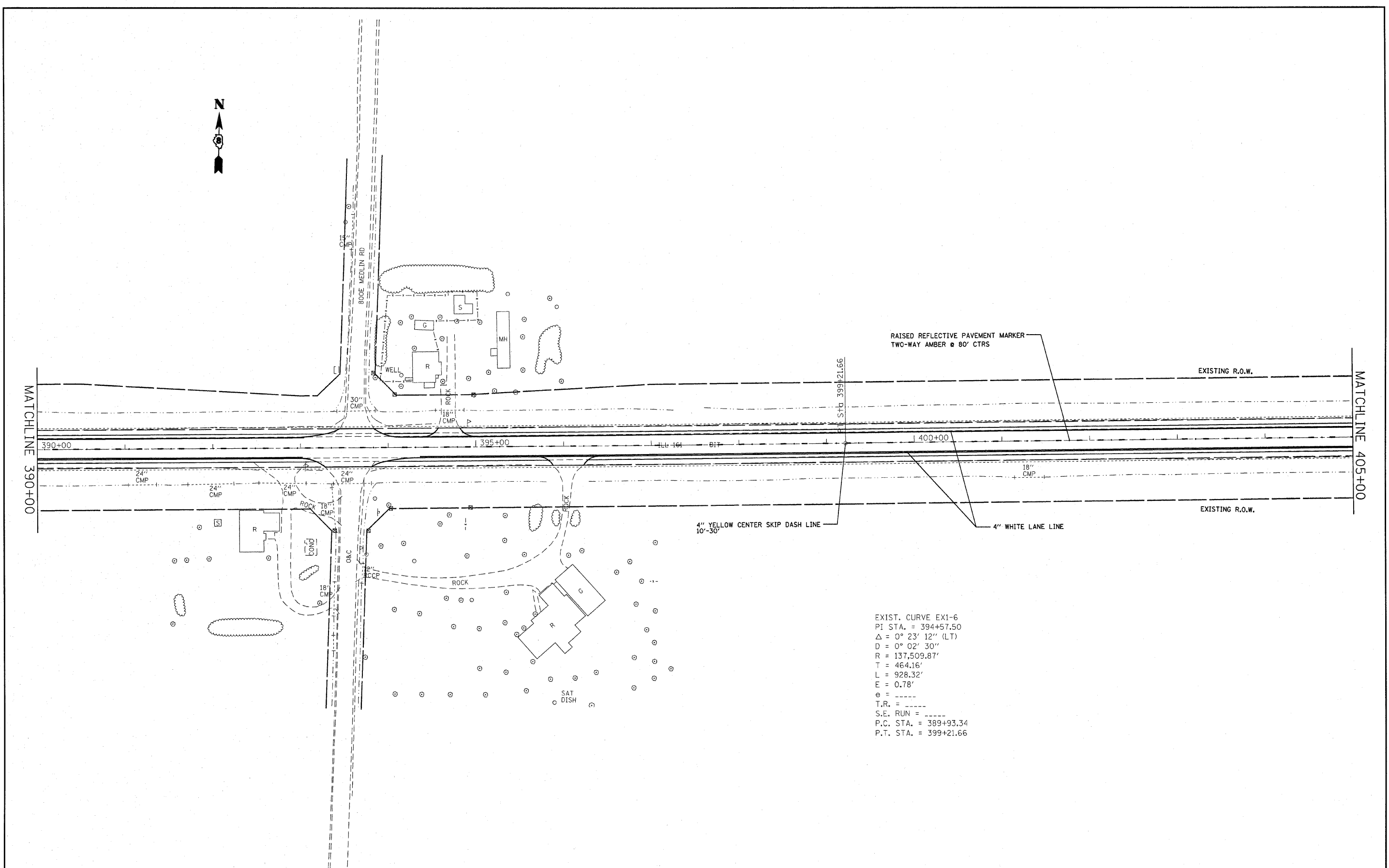
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1RS	MARION	81	42
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS</b>			F.A.P. RTE. 805	SECTION (101,102,61-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 43
	PLOT SCALE = *SCALE*	CHECKED - ---	REVISED - ---					CONTRACT NO. 16833				
	PLOT DATE = *DATE*	DATE - ---	REVISED - ---		SCALE: -----	SHEET NO. 13 OF 21 SHEETS	STA. 360±00 TO STA. 375±00	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS</b>			F.A.P. RTE. 805	SECTION (101,102,61-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 44
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---					SCALE: _____ SHEET NO. 14 OF 21 SHEETS STA. 375+00 TO STA. 390+00			CONTRACT NO. 76B33	
	PLOT DATE = #DATE#	DATE - ---	REVISED - ---					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



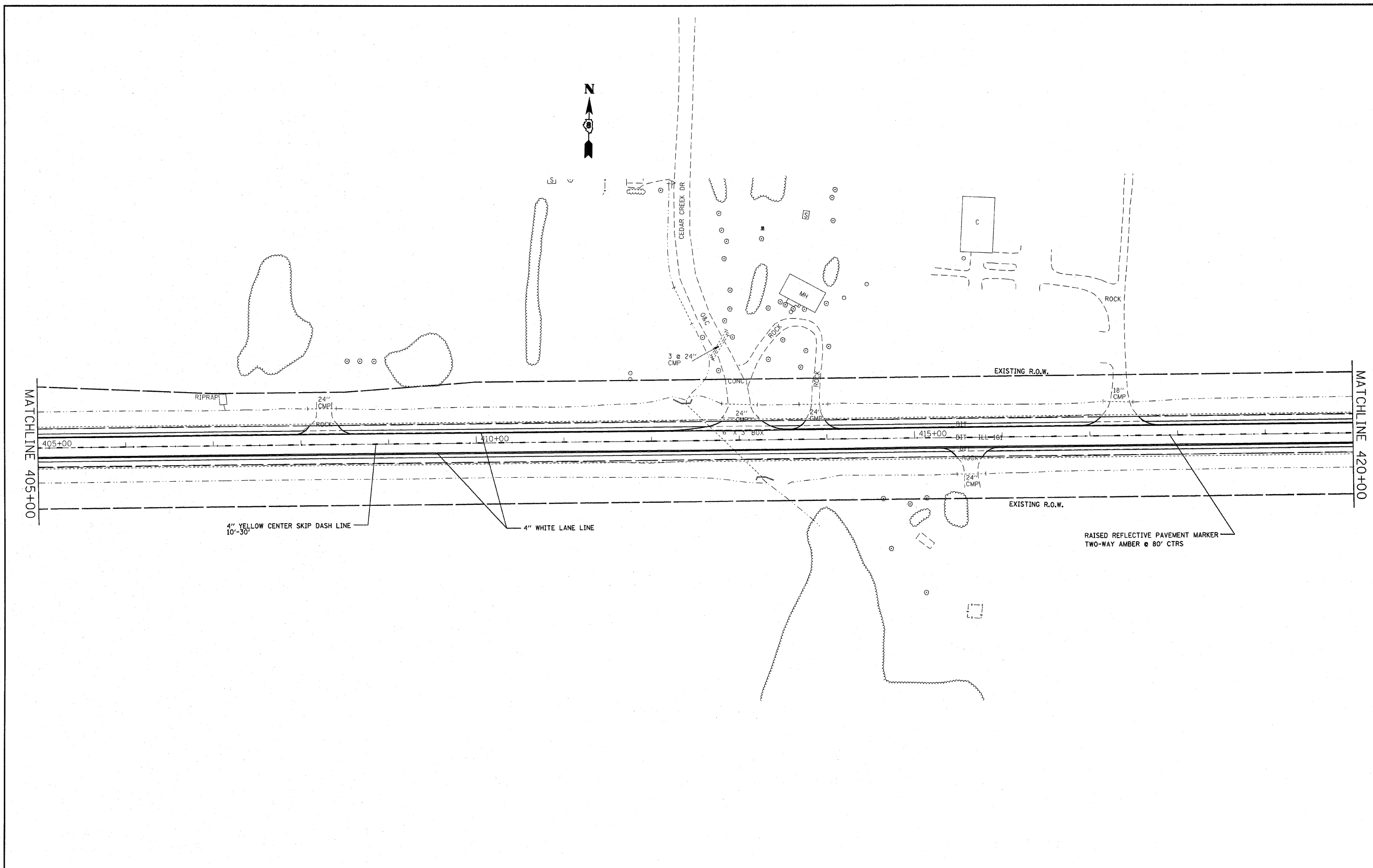
EXIST. CURVE EX1-6  
 PI STA. = 394+57.50  
 $\Delta = 0^\circ 23' 12''$  (LT)  
 $D = 0^\circ 02' 30''$   
 $R = 137,509.87'$   
 $T = 464.16'$   
 $L = 928.32'$   
 $E = 0.78'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 389+93.34$   
 $P.T. \text{ STA.} = 399+21.66$

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
		DRAWN - ---	REVISED - ---
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS		
SCALE: -----	SHEET NO. 15 OF 21 SHEETS	STA. 390±00 TO STA. 405±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	45
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

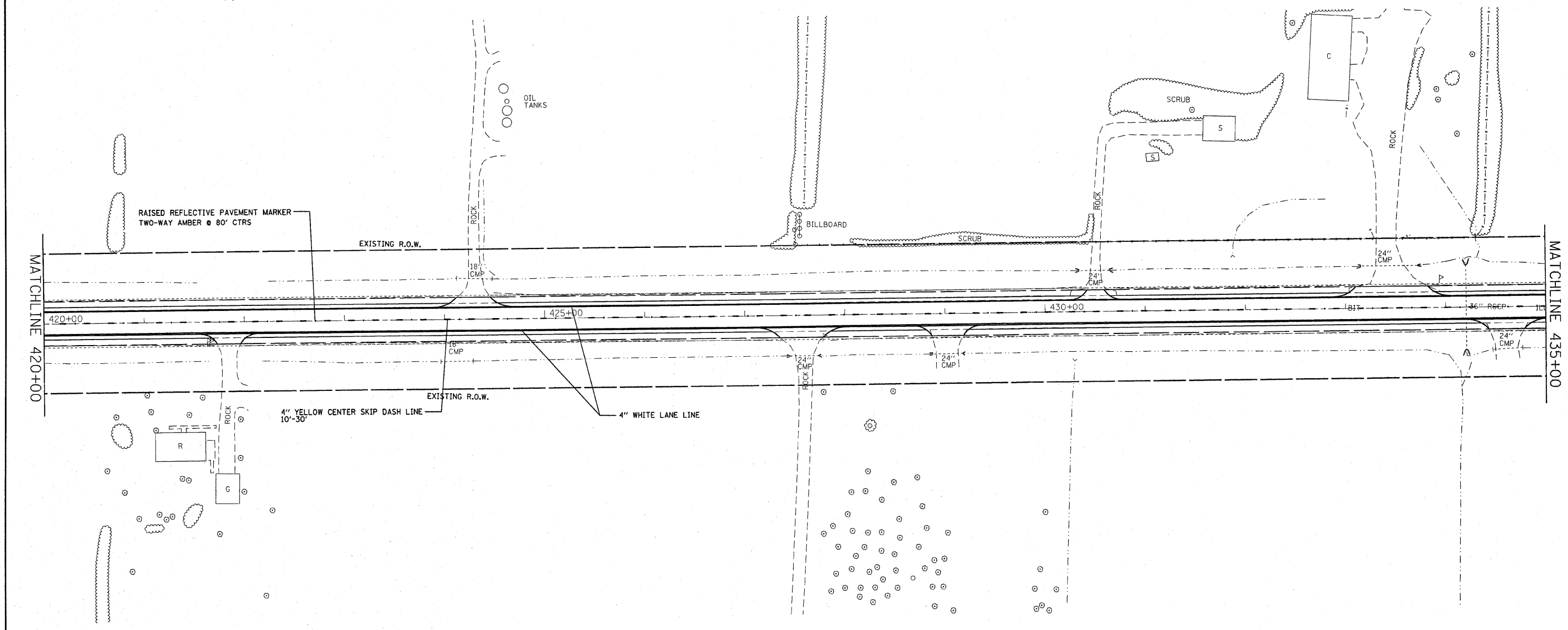


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	PLOT SCALE = #SCALE*	CHECKED - ---	REVISED - ---
	PLOT DATE = #DATE*	DATE - -----	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS		
SCALE: -----	SHEET NO. 16 OF 21 SHEETS	STA. 405+00 TO STA. 420+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	46
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

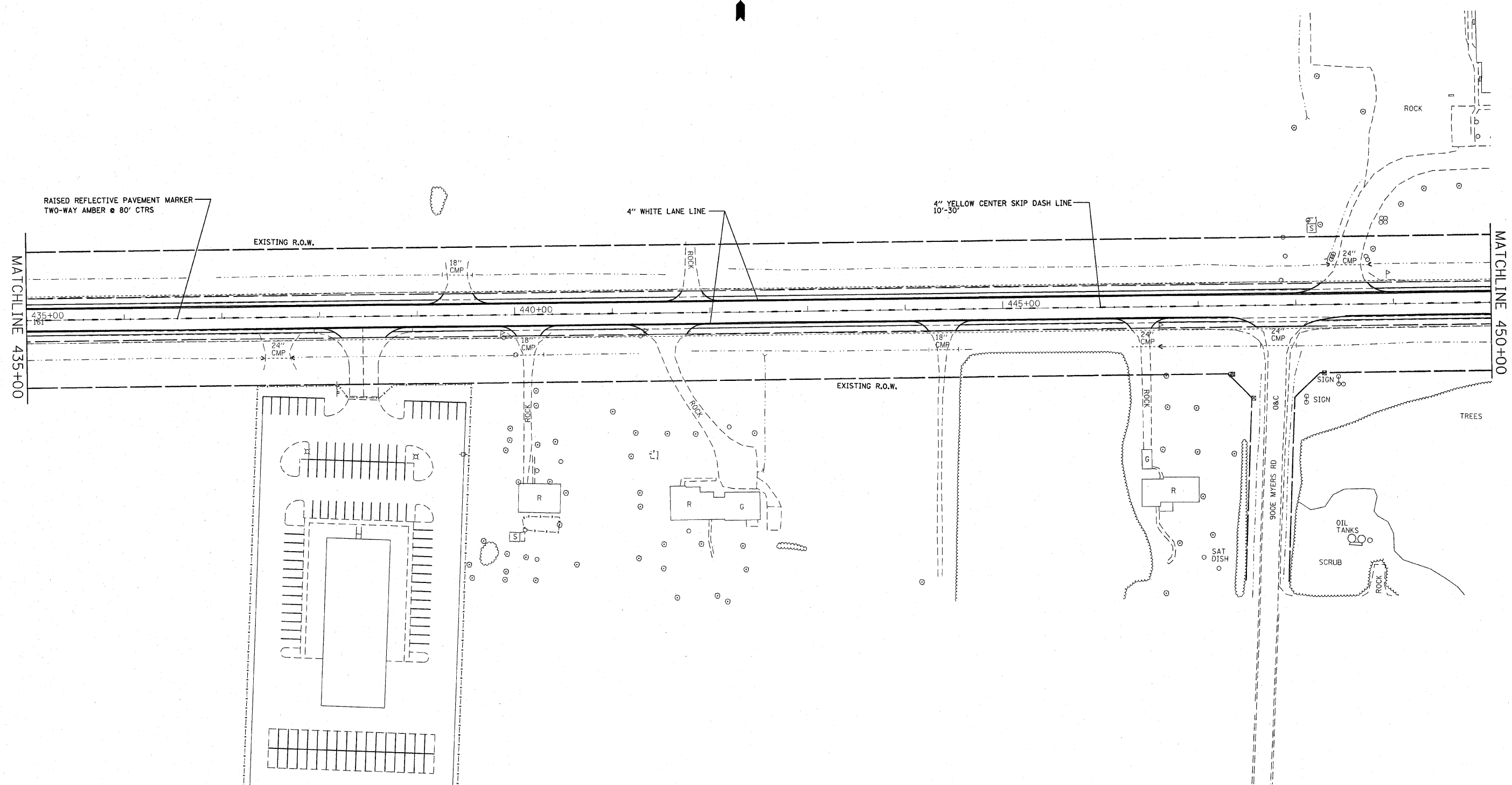


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	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---
		DATE - -----	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS		
SCALE: -----	SHEET NO. 11 OF 21 SHEETS	STA. 420±00 TO STA. 435±00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1RS	MARION	81	47
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B33	



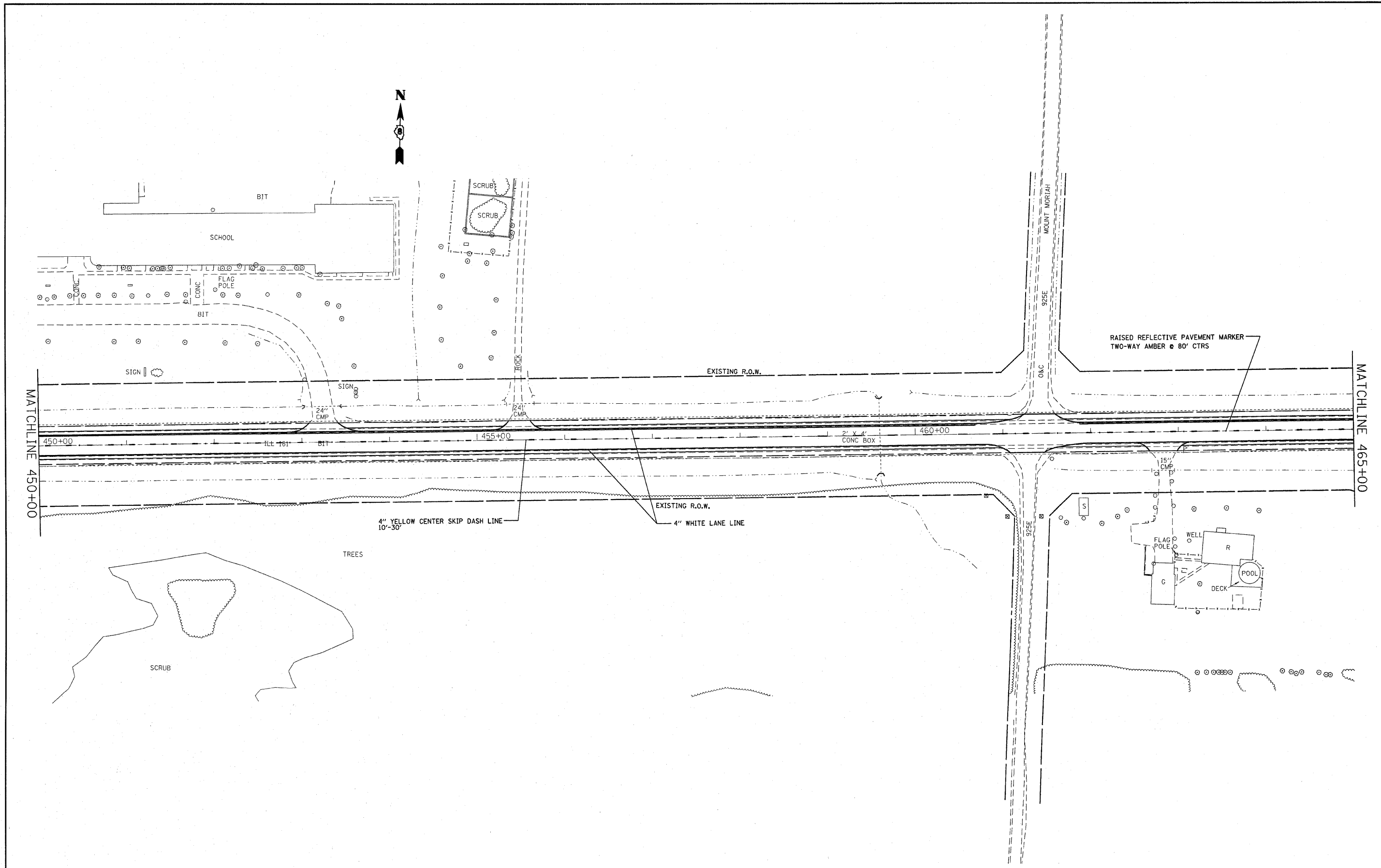
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	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---
	PLOT DATE = #DATE#	DATE - ---	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKINGS</b>		
SCALE: _____	SHEET NO. 18 OF 21 SHEETS	STA. 435+00 TO STA. 450+00

F.A.P. RTE. 805	SECTION (101,102,61-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 48
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76B33				



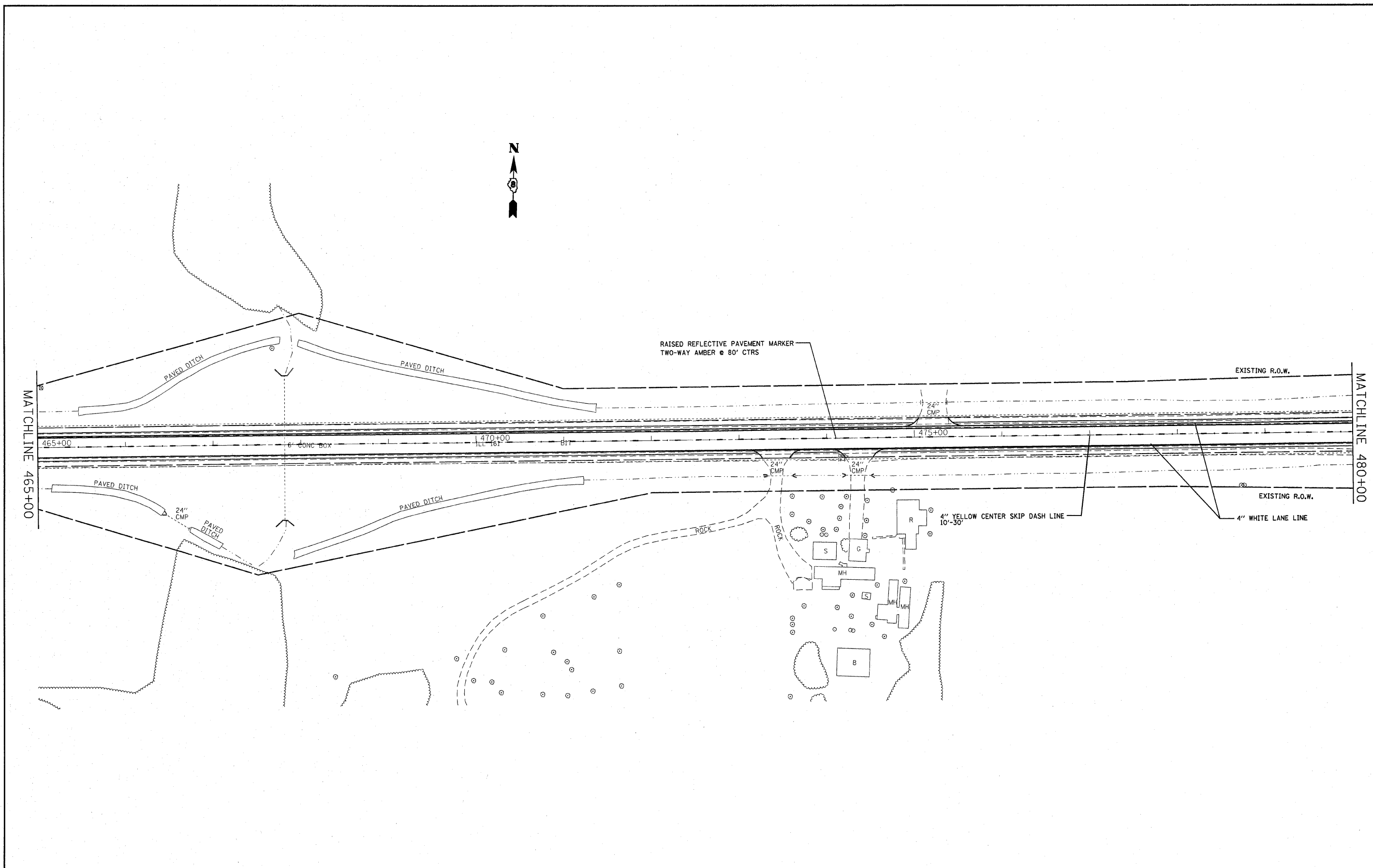


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#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKINGS</b>		
SCALE: _____	SHEET NO. 19 OF 21 SHEETS	STA. 450+00 TO STA. 465+00

F.A.P. RTE. 805	SECTION (101,102,61-1-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76833	



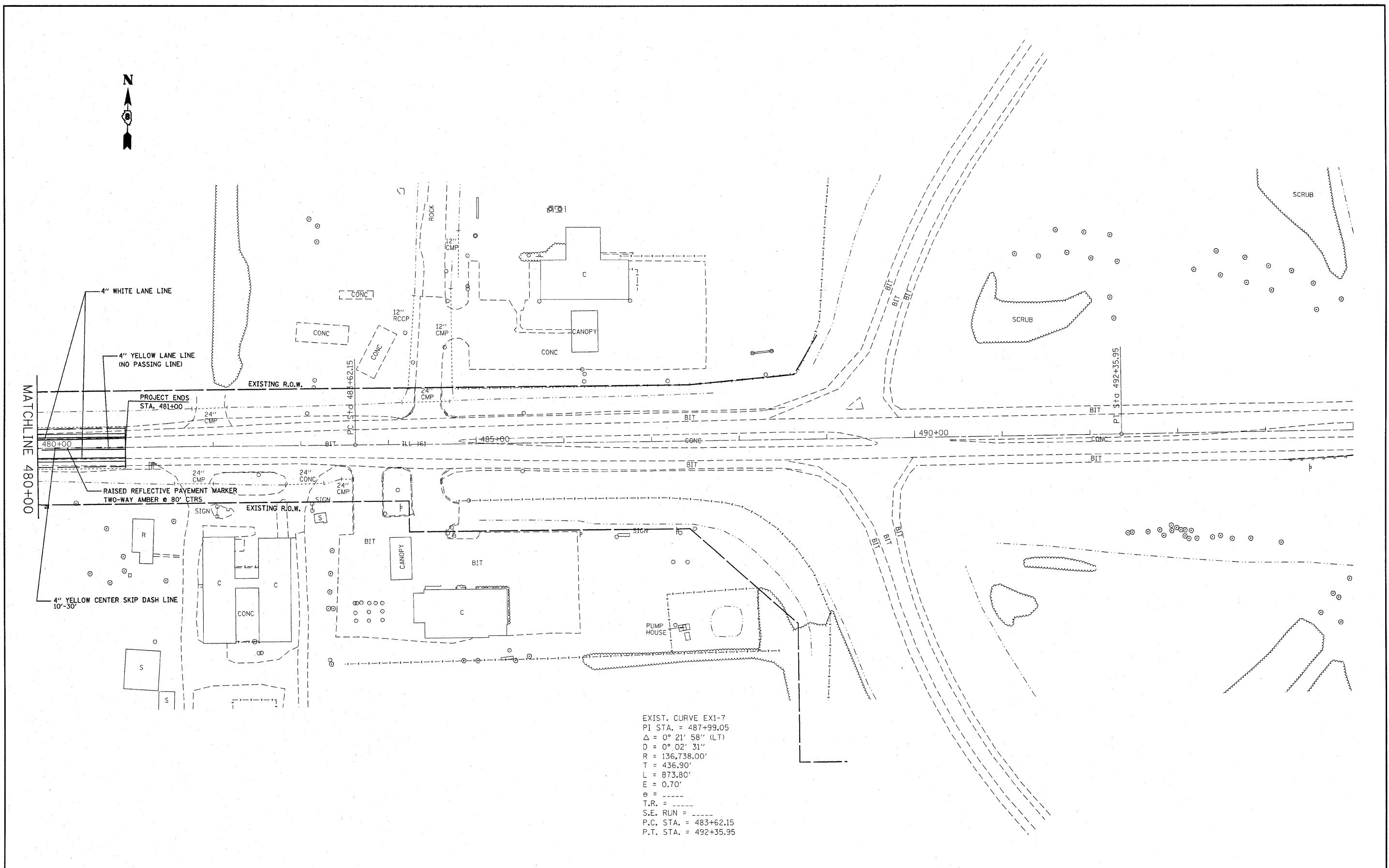
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		DRAWN - ---	REVISED - ---
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---
	PLOT DATE = #DATE#	DATE - ---	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS**

SCALE: \_\_\_\_\_ SHEET NO. 20 OF 21 SHEETS STA. 465+00 TO STA. 480+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	50
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



EXIST. CURVE EX1-7  
 PI STA. = 487+99.05  
 $\Delta$  = 0° 21' 58" (LT)  
 D = 0° 02' 31"  
 R = 136,738.00'  
 T = 436.90'  
 L = 873.80'  
 E = 0.70'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 483+62.15  
 P.T. STA. = 492+35.95

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---
		DATE - ---	REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS**

SCALE: ----- SHEET NO. 21 OF 21 SHEETS STA. 480+00 TO STA. 481+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	51
<b>CONTRACT NO. 76B33</b>				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

- a. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES). THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.
- b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

THE WIDENING TO PROVIDE A LEFT TURN LANE AT CODY ROAD AND BELL CLUB ROAD. APPROXIMATELY 7' OF WIDENING ON BOTH SIDES OF IL 161. THIS WILL REQUIRE A MINOR GRADING OF SLOPES. TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION AND PERIMETER EROSION CONTROL BARRIER SHALL BE INSTALLED PER THE DRAWING.

4. OTHER CONTROLS:

- a. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (S)HE WILL USE TO CONSTRUCT AND MAINTAIN THEM.

- b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:

- ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
- WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
- A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
- LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
- SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.

- c. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:

- PERIMETER EROSION BARRIER
- TEMPORARY SEEDING
- TEMPORARY MULCH
- PLASTIC COVERS
- SOIL BINDERS
- STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (S)HE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

- d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
- f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILRIO INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

ALL MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS PROVIDED IN THIS PLAN ARE IN ACCORDANCE WITH "IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL".

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN.

1. SEEDING - ALL ERODIBLE BARE EARTH WILL BE TEMPORARILY SEEDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE WITHIN THE CONTRACT LIMITS.
2. PERIMETER EROSION BARRIER - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE FENCING IS IN JEOPARDY AND ANY FENCING KNOCKED DOWN WILL BE REPAIRED IMMEDIATELY.
3. EROSION CONTROL BLANKET/MULCHING - ANY AREAS THAT FAIL WILL BE REPAIRED IMMEDIATELY.
4. PROTECTION OF TREES/TEMPORARY TREE PROTECTION - ANY PROTECTIVE MEASURES WHICH ARE KNOCKED DOWN WILL BE REPAIRED IMMEDIATELY.
5. DITCH CHECKS - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE DITCH CHECK IS IN JEOPARDY. ANY DITCH CHECKS WHICH FAIL WILL BE REPAIRED OR REPLACED IMMEDIATELY.

THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THESE PRACTICES. ALL MAINTENANCE OF EROSION CONTROL SYSTEMS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY IDOT AFTER FINAL INSPECTION. ALL LOCATIONS WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD ALSO BE INSPECTED PERIODICALLY.

INSPECTION OF THESE AREAS SHALL BE MADE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCHES OR GREATER RAINFALL, OR AN EQUIVALENT SNOWFALL. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

- A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.
- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.
- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.
- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL COMPLETE AND FILE AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT. THE INCIDENCE OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
ATTN: COMPLIANCE ASSURANCE SECTION  
1021 NORTH GRAND EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

- A. SPILL PREVENTION AND CONTROL - BMPs SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

- B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:

1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

- C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

- D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.

- E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPs CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPs WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (S)HE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPs (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPs:






1. CONTAINMENT
2. SPILL PREVENTION AND CONTROL
3. USE OF DRIP PANS AND ABSORBENTS
4. AUTOMATIC SHUT-OFF NOZZLES
5. TOPPING OFF RESTRICTIONS
6. LEAK INSPECTION AND REPAIR

- F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

LEGEND

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  TEMPORARY DITCH CHECK- AGGREGATE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>STORM WATER POLLUTION PREVENTION PLAN</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = #DATE#	DATE - -----	REVISED - ---			SCALE: -----	SHEET NO. -- OF --- SHEETS	STA. ----- TO STA. -----	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

TEMPORARY DITCH CHECKS			
STA	SIDE (LT/R)	OFFSET (FT)	TEMP. DITCH CHECKS (EACH)
314+00	RT	41.7	1
316+96	RT	47.0	1
327+59.5	RT	44.4	1
327+52.0	LT	41.2	1
TOTAL			4

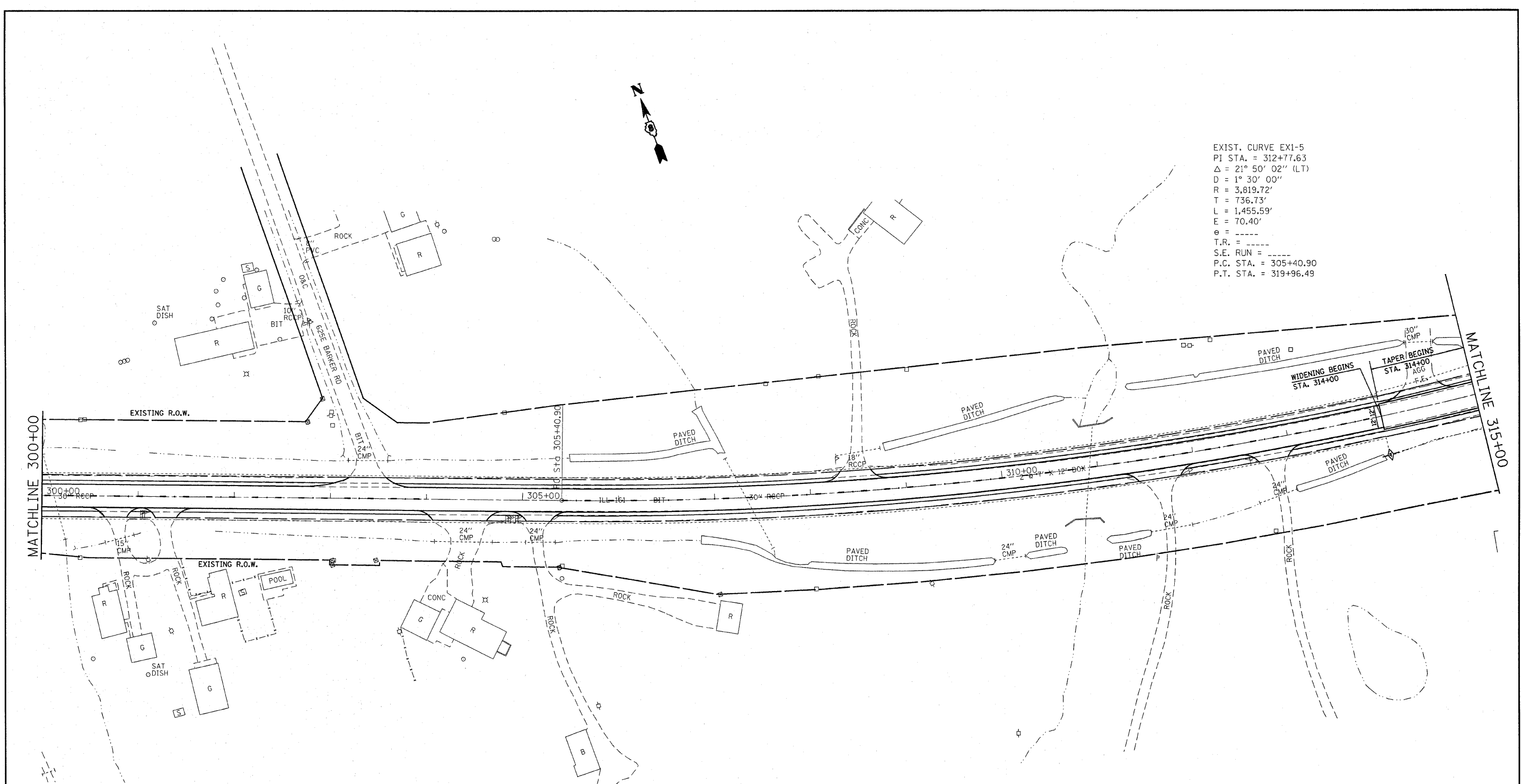
INLET AND PIPE PROTECTION			
STA.	SIDE (LT/RT)	OFFSET (FT)	INTLET & PIPE PROTECTION (EACH)
315+95	LT	36.5	1
321+56	RT	49.3	1
324+54	RT	64.8	1
326+95	LT	42.8	1
TOTAL			4

PERIMETER EROSION CONTROL				
STA.	TO	STA.	SIDE (LT/RT)	PERIMETER EROSION CONTROL (FT)
316+02	TO	316+68	RT	70
318+00	TO	325+49	LT	760
324+21	TO	324+90	RT	68
325+98	TO	327+50	RT	155
TOTAL				1053

FILE NAME =	USER NAME = *USER*	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STORM WATER POLLUTION PREVENTION PLAN</b>	F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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				SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____							



EXIST. CURVE EX1-5  
 PI STA. = 312+77.63  
 $\Delta = 21^\circ 50' 02''$  (LT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.72'$   
 $T = 736.73'$   
 $L = 1,455.59'$   
 $E = 70.40'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 305+40.90$   
 $P.T. \text{ STA.} = 319+96.49$



**LEGEND**

- TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
- TEMPORARY DITCH CHECK- AGGREGATE
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

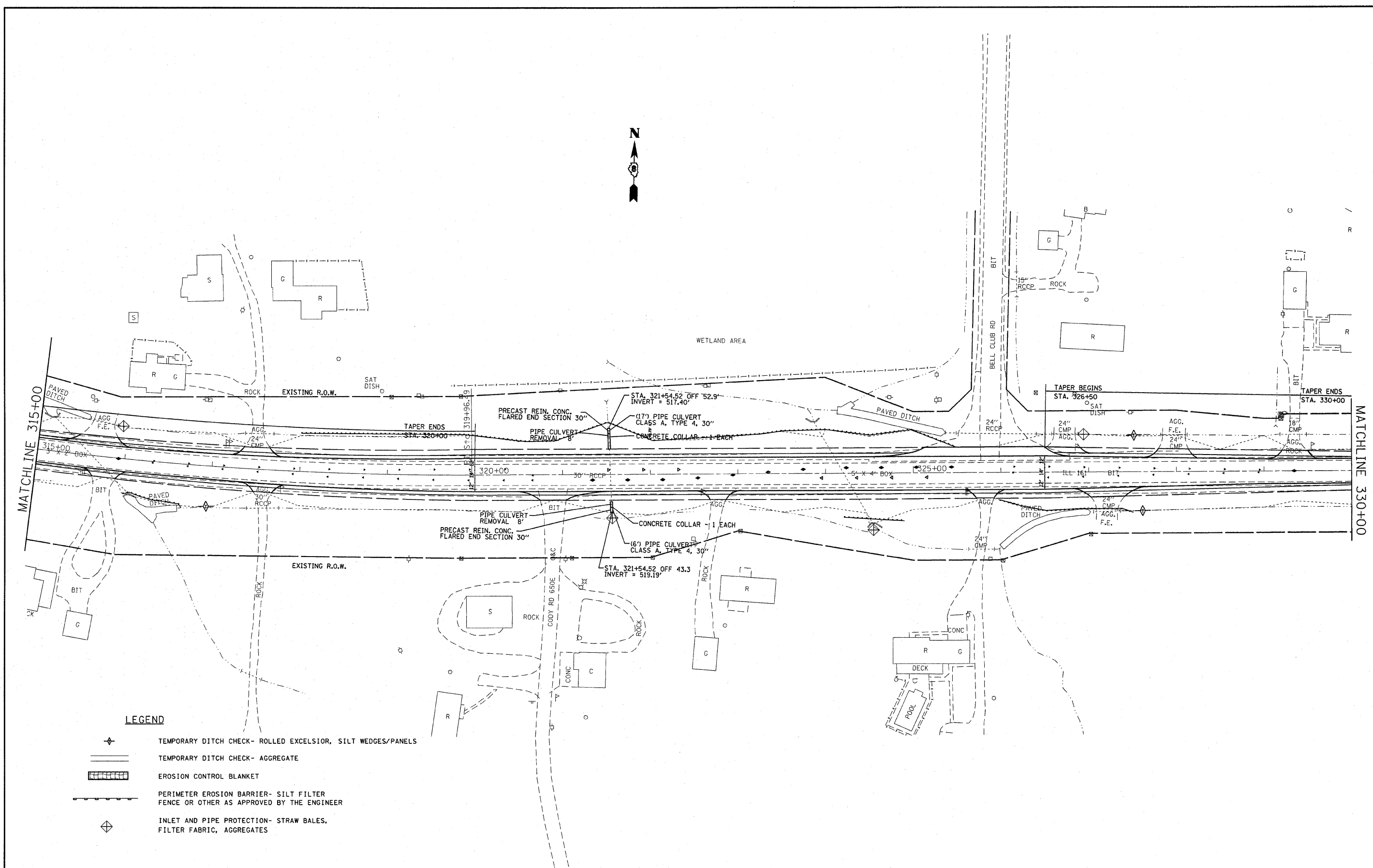
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**






**STORM WATER POLLUTION  
 PREVENTION PLAN**

SCALE: 1"=50' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 300+00 TO STA. 315+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	55
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**LEGEND**

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  TEMPORARY DITCH CHECK- AGGREGATE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

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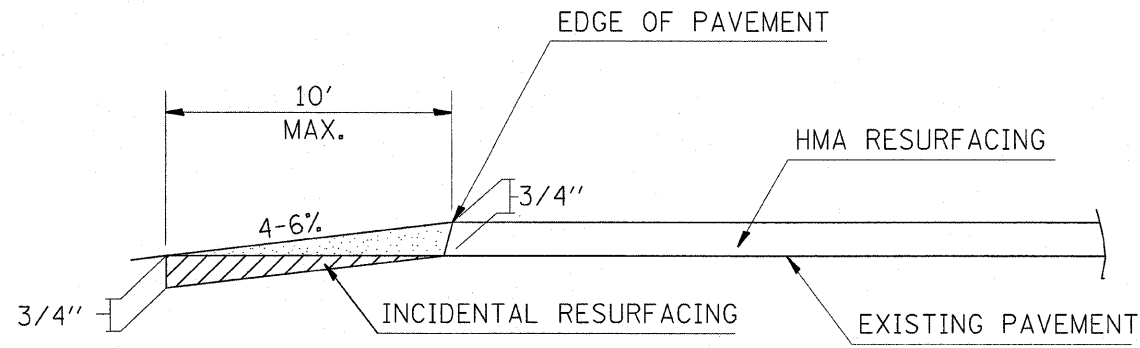
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STORM WATER POLLUTION  
PREVENTION PLAN**

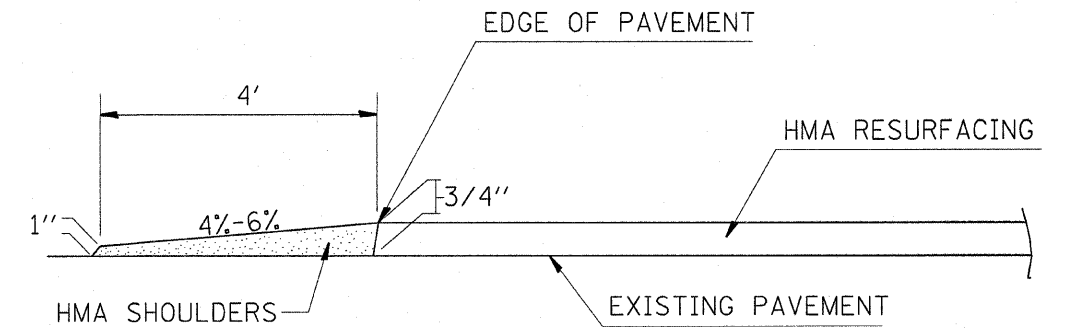
SCALE: 1"=50' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 315+00 TO STA. 330+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76833				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

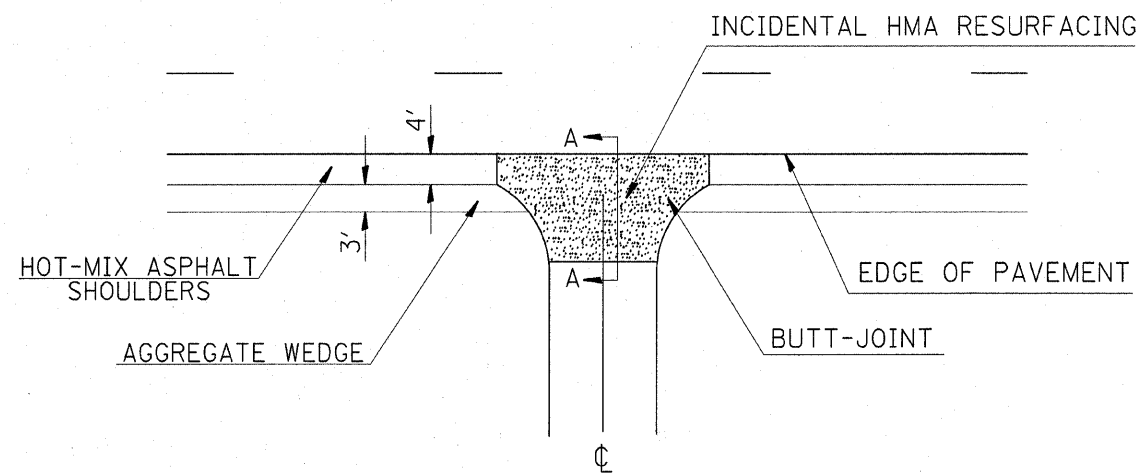




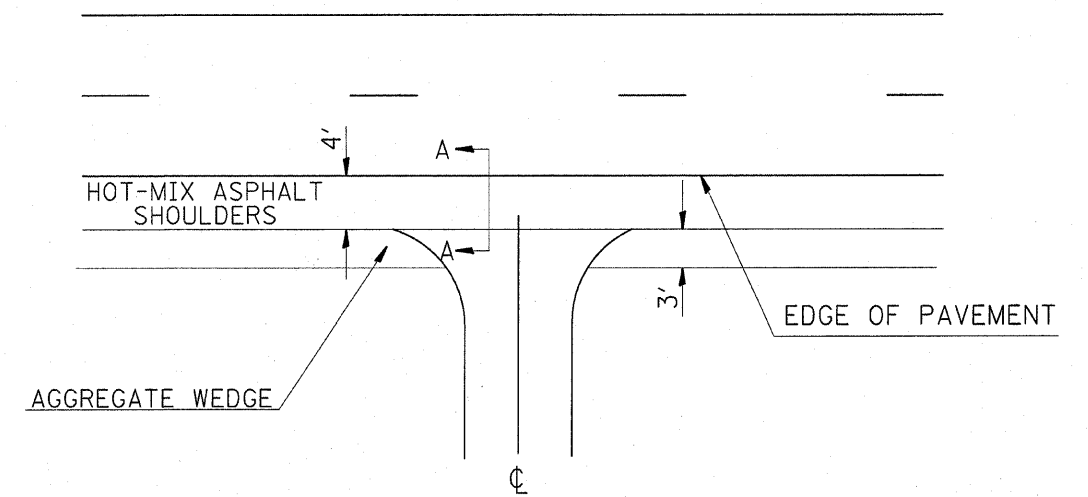
BUTT-JOINT  
SECTION A-A



FEATHEREDGE DETAIL  
SECTION A-A

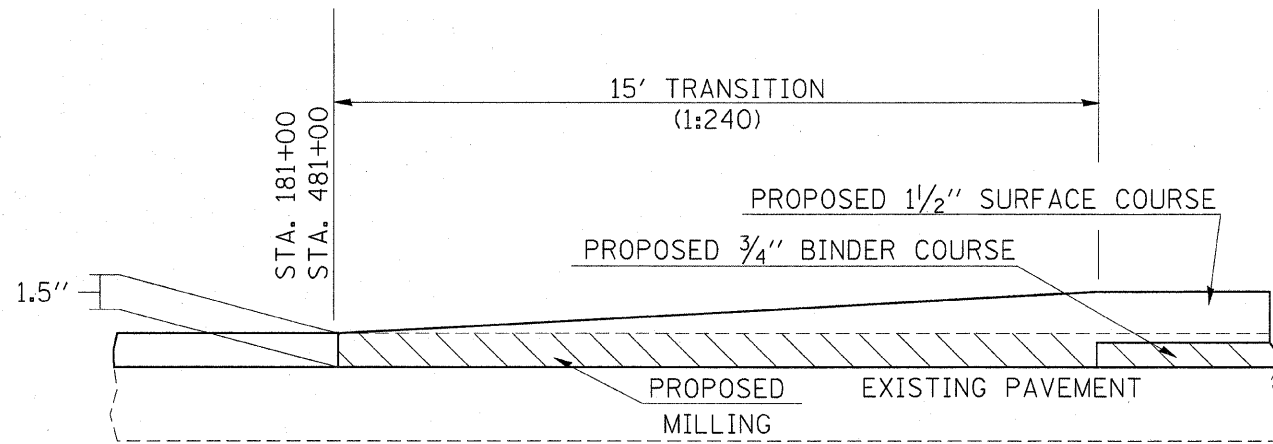


SIDE ROAD  
ENTRANCE DETAIL



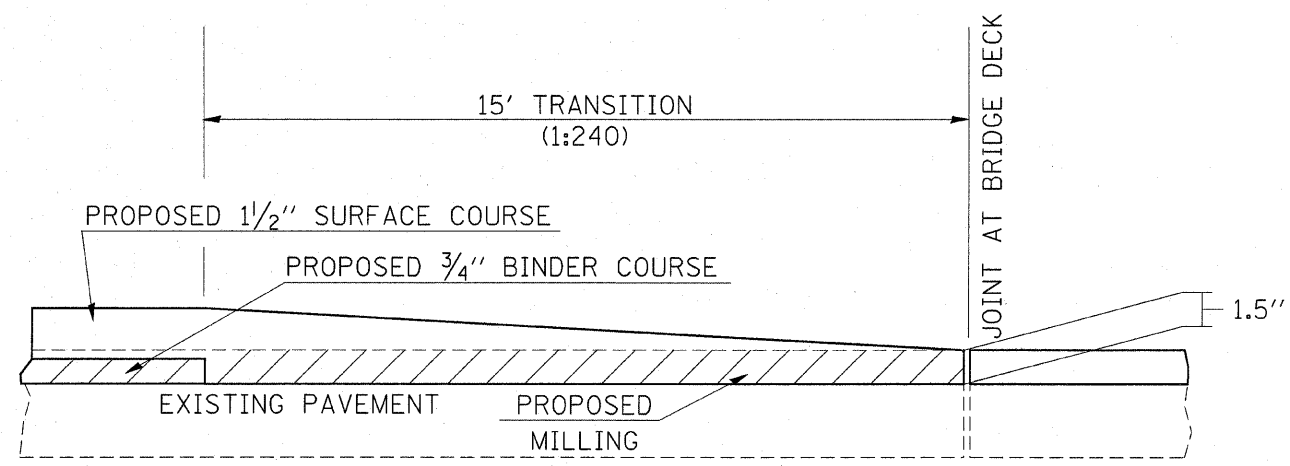
COMMERCIAL & PRIVATE  
ENTRANCE DETAIL

FILE NAME =	USER NAME = *USER*	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT/SIDERoadS AND ENTRANCE/FEATHEREDGE DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = *DATE*		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
		SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____									



BUTT JOINT TO BE CONSTRUCTED  
AT BEGINNING AND END OF PROJECT.

- \*STA. 181+00 (JUST WEST OF MOONGLOW RD.)
- \*STA. 481+00 (END OF PROJECT)



RESURFACING TRANSITION AT BOTH ENDS OF BRIDGES

SN 061-0070  
SN 061-0071

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
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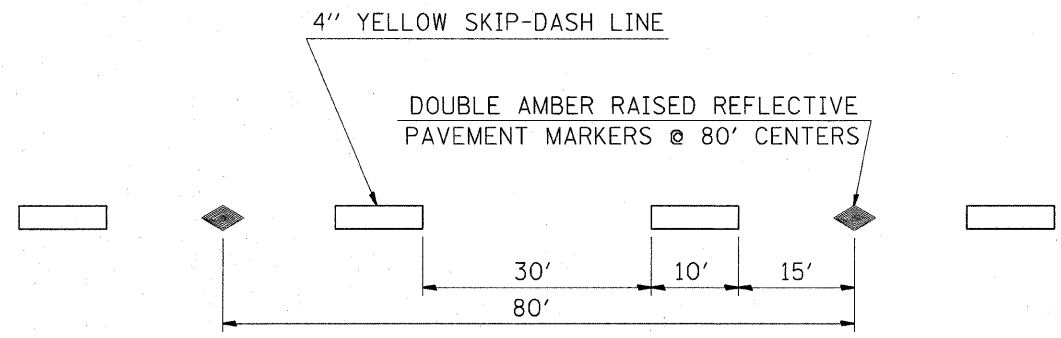
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND RESURFACING TRANSITION DETAILS

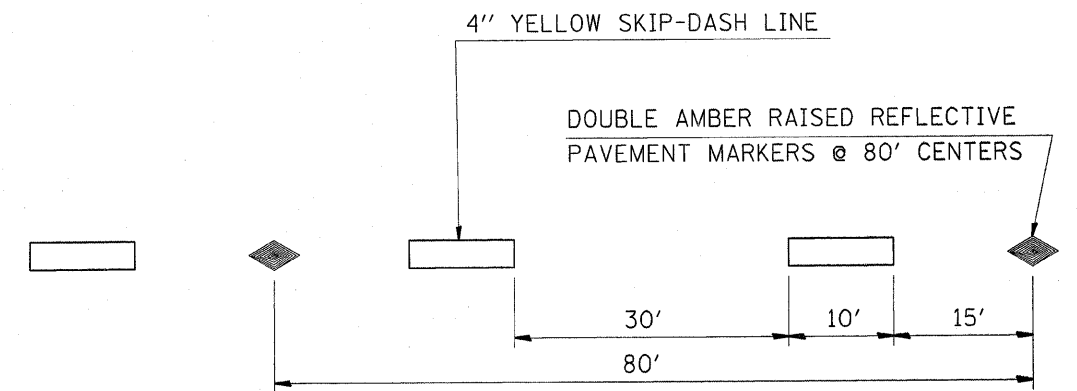
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	58
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B33	

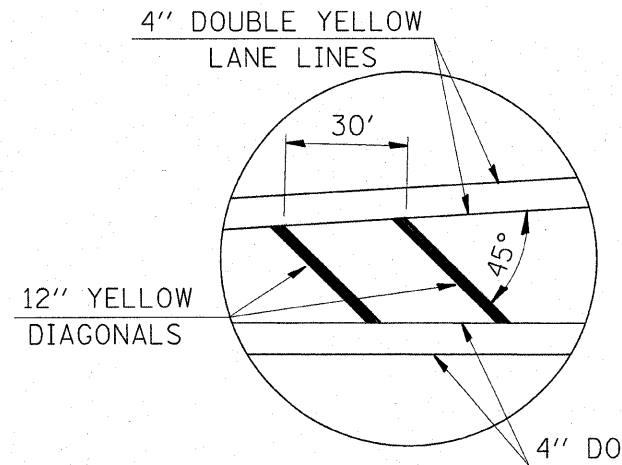




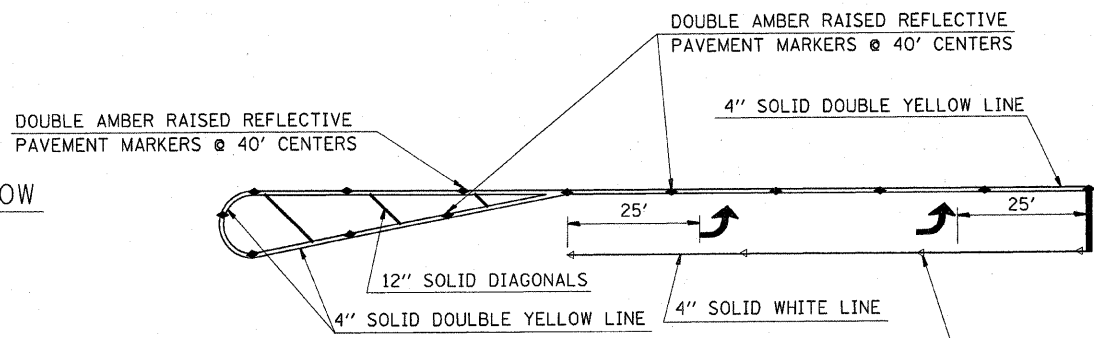
TYPICAL APPLICATION FOR YELLOW SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



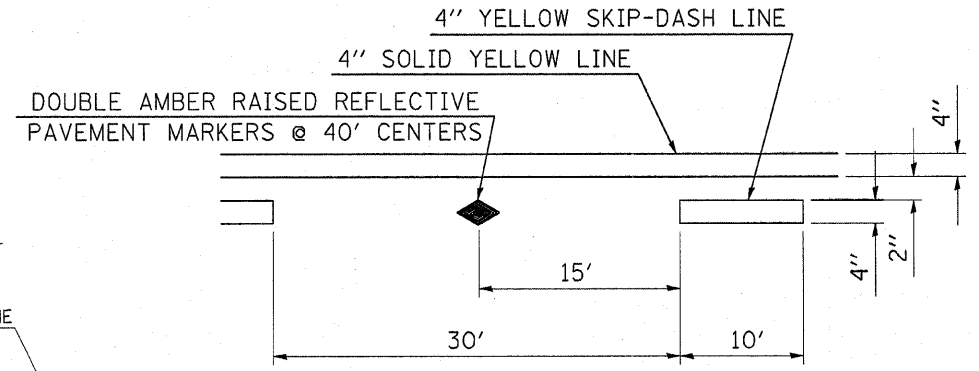
TYPICAL APPLICATION FOR YELLOW SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



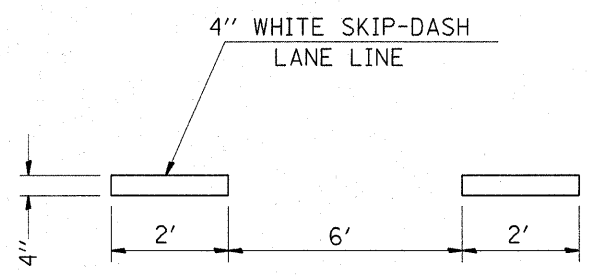
TYPICAL APPLICATION FOR MEDIAN STRIPING



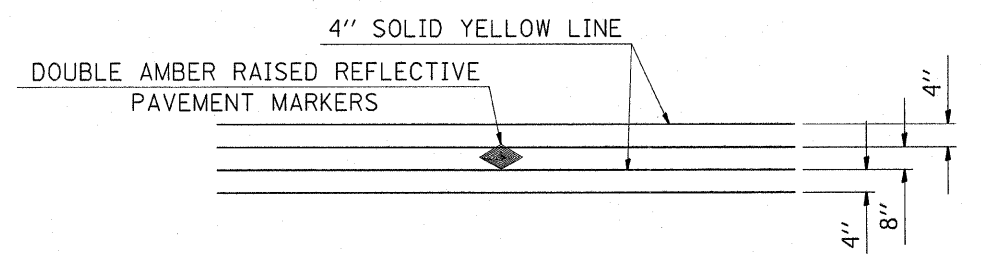
TYPICAL APPLICATION FOR LEFT TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR NO PASSING LANES WITH RAISED REFLECTIVE PAVEMENT MARKERS (ONLY ON SHARP CURVES)



TYPICAL APPLICATION FOR WHITE SKIP-DASH LANE LINES

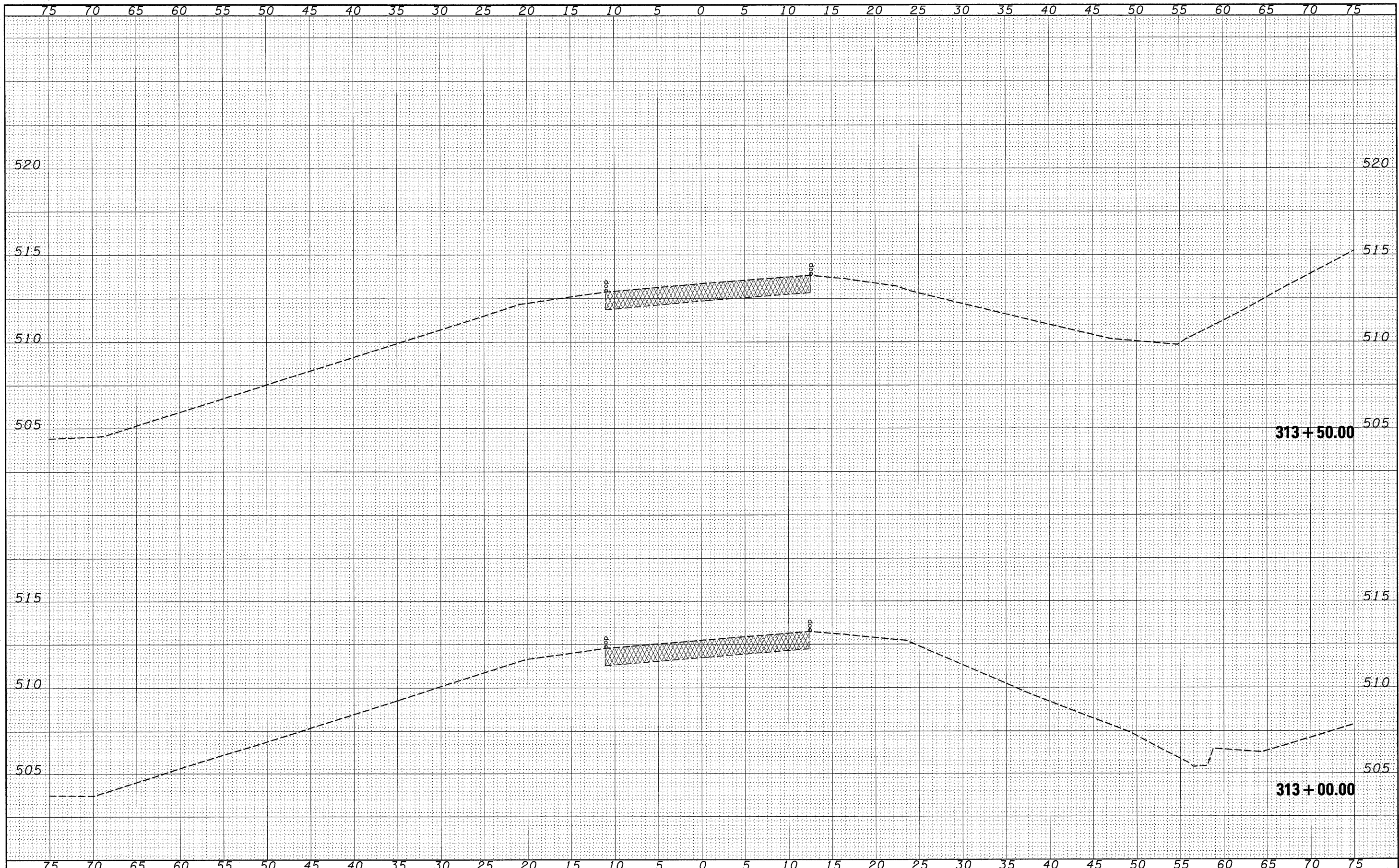


TYPICAL APPLICATION FOR DOUBLE YELLOW LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS DETAIL</b>			F.A.P. RTE. 805	SECTION (101,102,61-1-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 60			
#FILE#		DRAWN -	REVISD -					SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
		CHECKED -	REVISD -												
		DATE -	REVISD -												
								CONTRACT NO. 16B33							

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

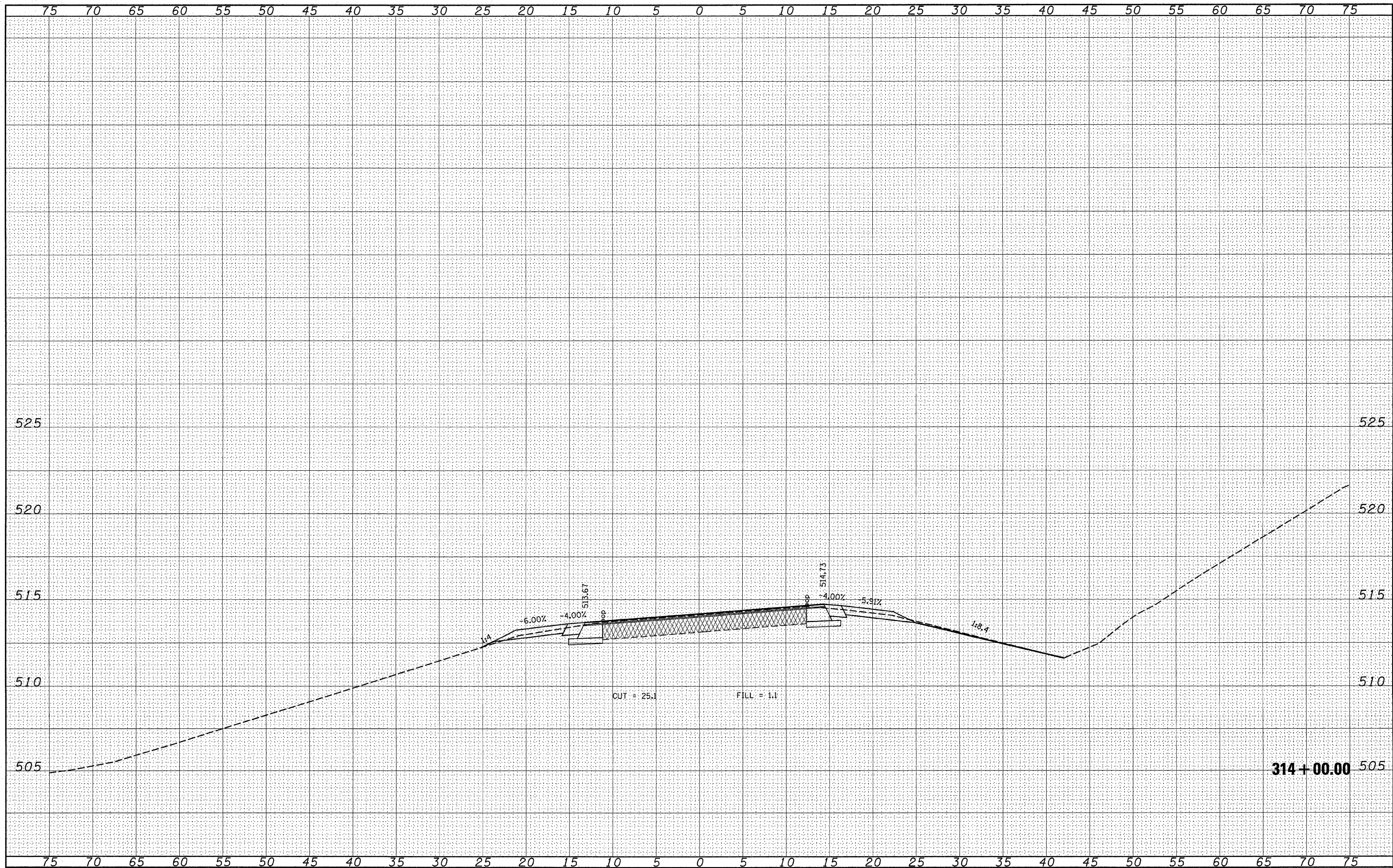
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN -	REVISIED -			805	(101,102,61-1)RS	MARION	81	61	
PLOT SCALE = *SCALE*		CHECKED -	REVISIED -			CONTRACT NO. 16B33					
PLOT DATE = *DATE*		DATE -	REVISIED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. 313+00.00 TO STA. 313+50.00					

FINAL SURVEY	SURVEYED	DATE
SHEET	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
SHEET	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



FILE NAME =	USER NAME = #USER*
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DRAWN -	---
CHECKED -	---
DATE -	-----

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION**

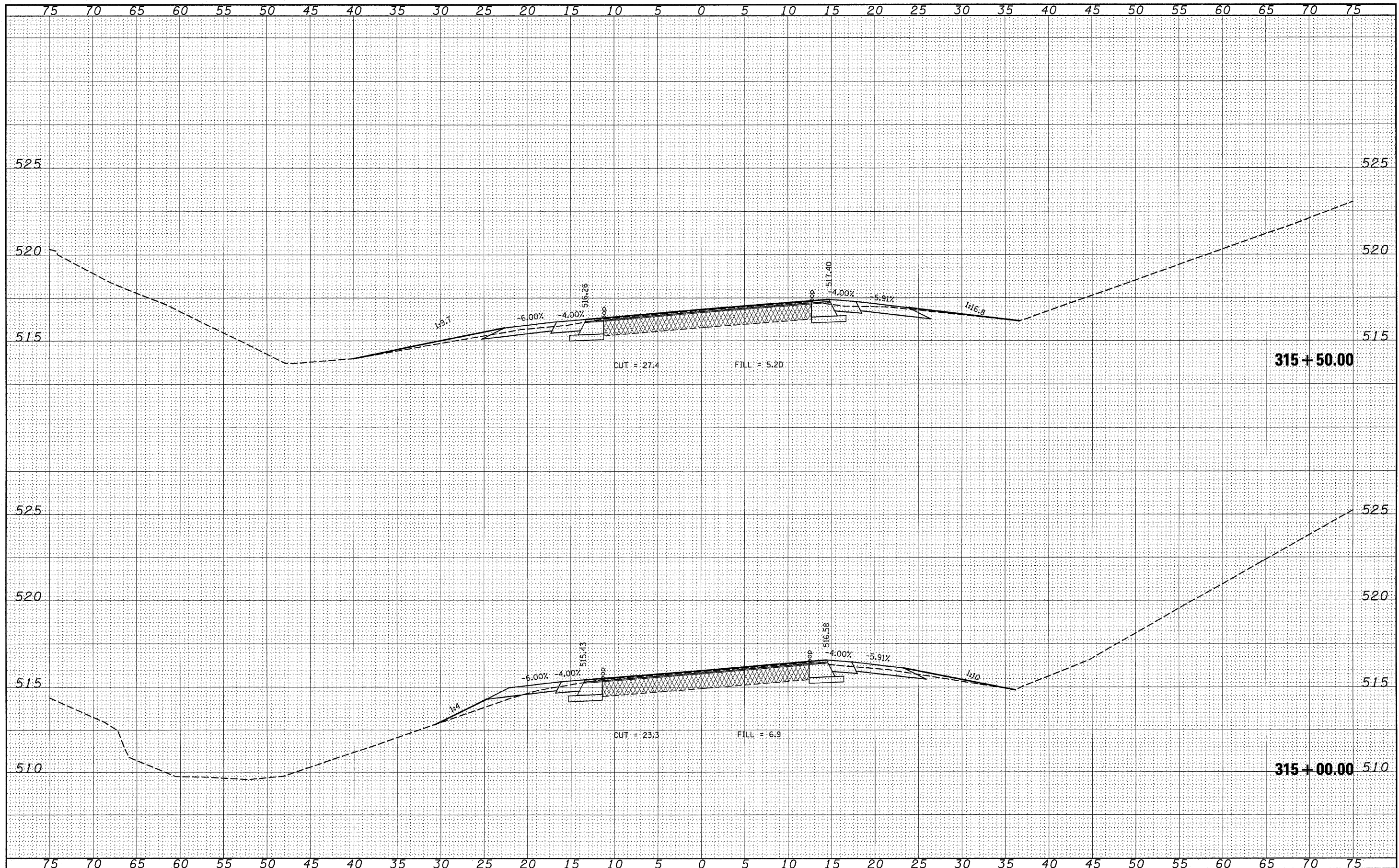
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 314+00.00 TO STA. 314+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1-1)RS	MARION	81	62
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76B33	



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	



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PLOT DATE = #DATE#

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DATE - -----

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION**  
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 315+00.00 TO STA. 315+50.00

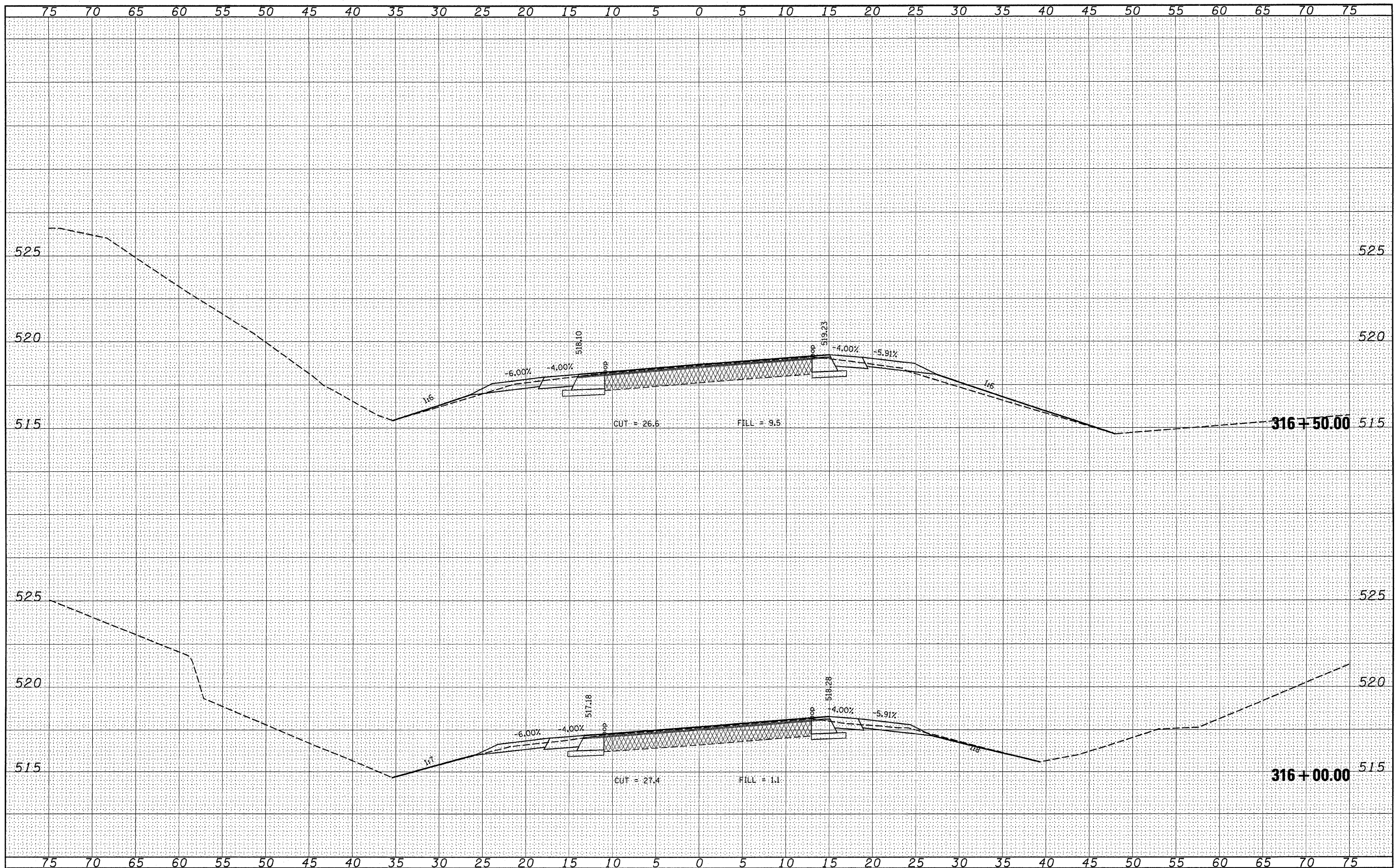
F.A.P. RTE. 805	SECTION (101,102,61-1-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 64
CONTRACT NO. 76B33				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				





FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PIOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PIOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	



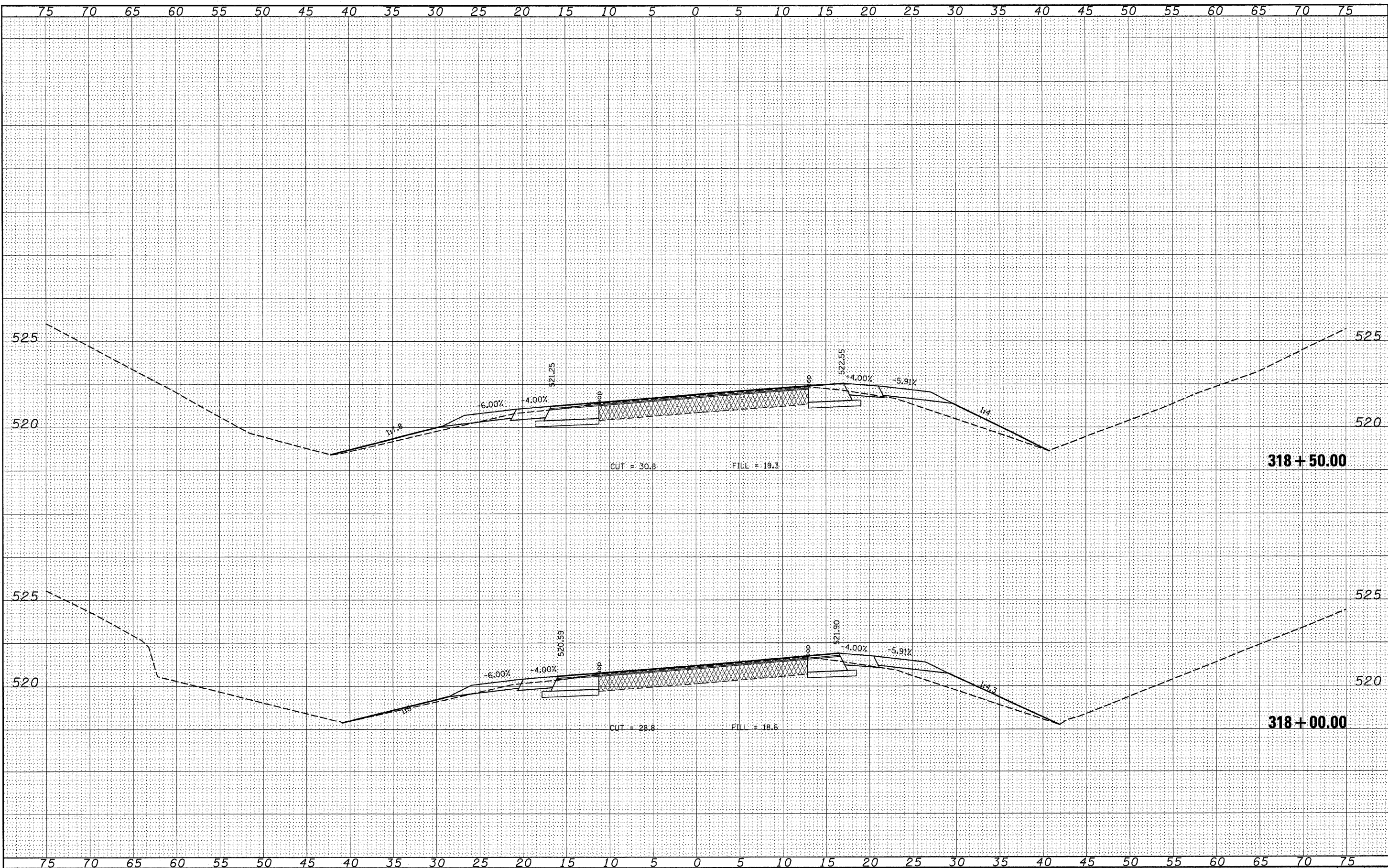
FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION</b>	F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---			805	(101,102,61-1-1)RS	MARION	81	66	
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---			CONTRACT NO. <b>76B33</b>					
		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 316+00.00 TO STA. 316+50.00



DATE	
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AREAS CHECKED	
NO.	

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FILE NAME =	USER NAME = *USER*
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION**

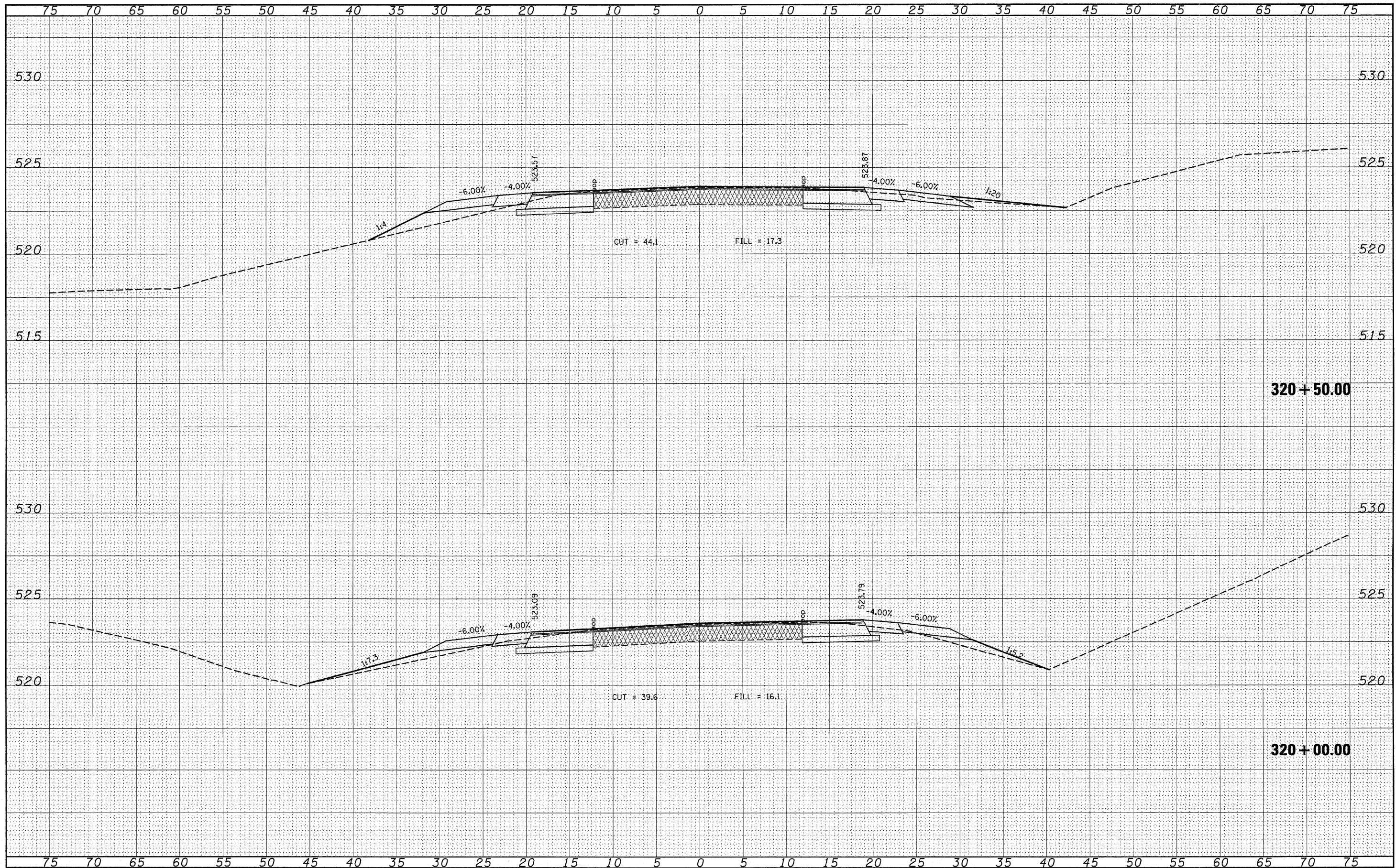
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 318+00.00 TO STA. 318+50.00

F.A.P. RTE. 805	SECTION (101,102,61-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 68
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 16B33	



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

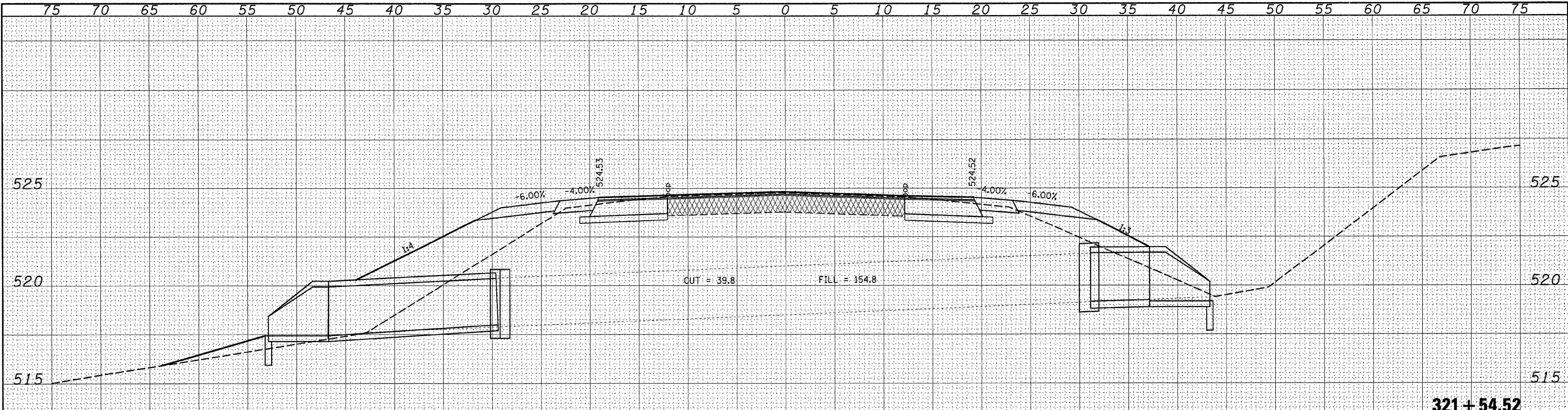
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



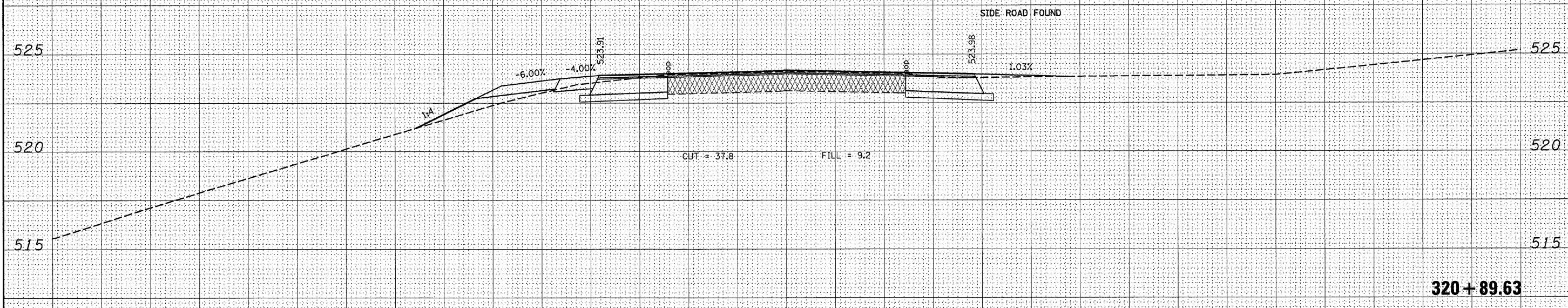
FILE NAME =	USER NAME = #USER*	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION</b>	F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE*	DRAWN - ---	REVISED - ---			805	(101,102,61-1)RS	MARION	81	70	
	PLOT DATE = #DATE*	CHECKED - ---	REVISED - ---			CONTRACT NO. <b>76B33</b>					
		DATE - -----	REVISED - ---			FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					
SCALE: ----- SHEET NO. -- OF -- SHEETS STA. 320+00.00 TO STA. 320+50.00											

DATE	
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FINISHED	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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FINISHED	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



321+54.52

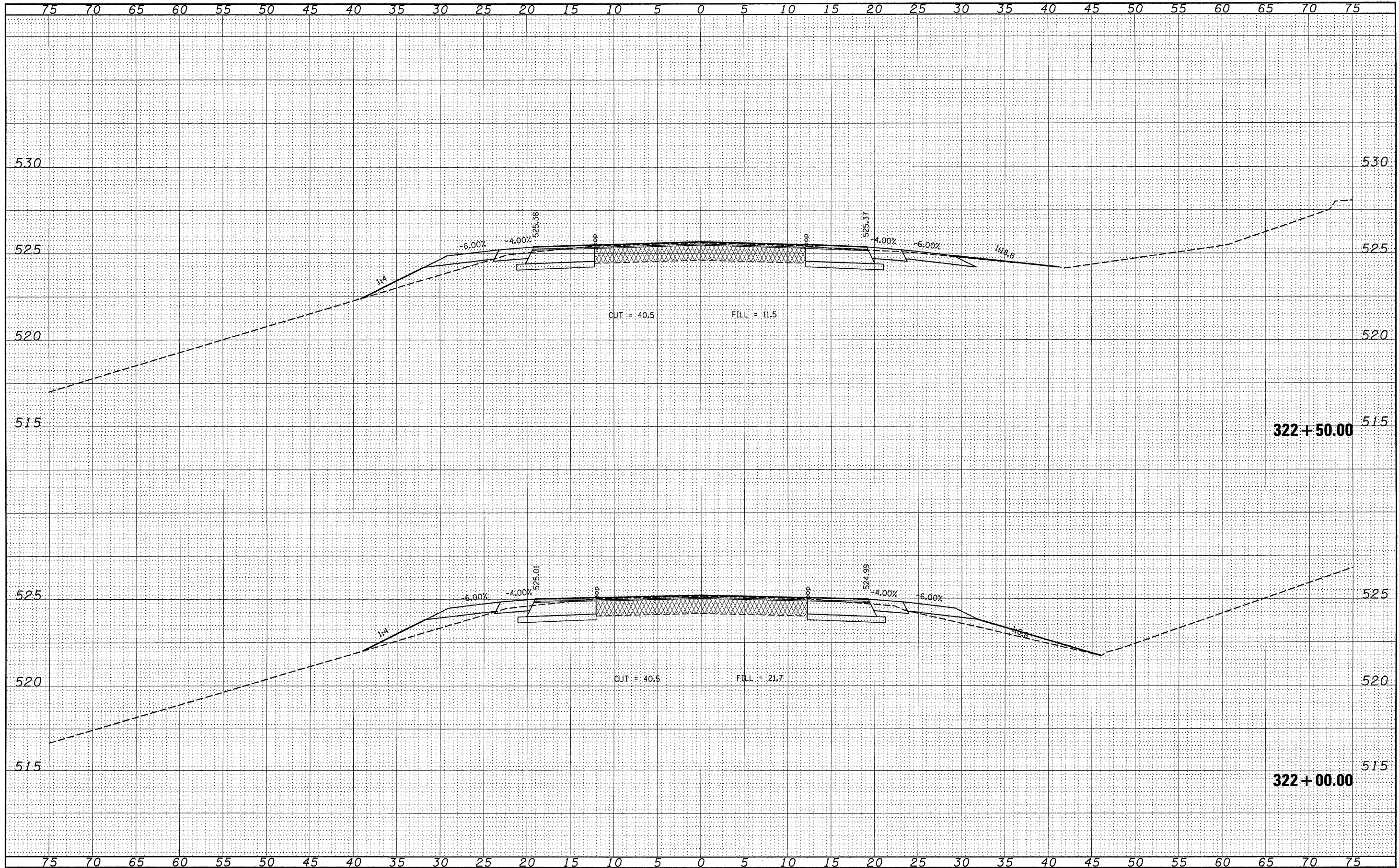


320+89.63

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISOR -	F.A.P. RTE. 805	SECTION (101,102,61-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 71
*FILE#		DRAWN -	REVISOR -	CROSS SECTION		CONTRACT NO. 16833		
		CHECKED -	REVISOR -	SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. 320+89.63 TO STA. 321+54.52	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT	
		DATE -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =  
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 PLLOT DATE = #DATE\*

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION**

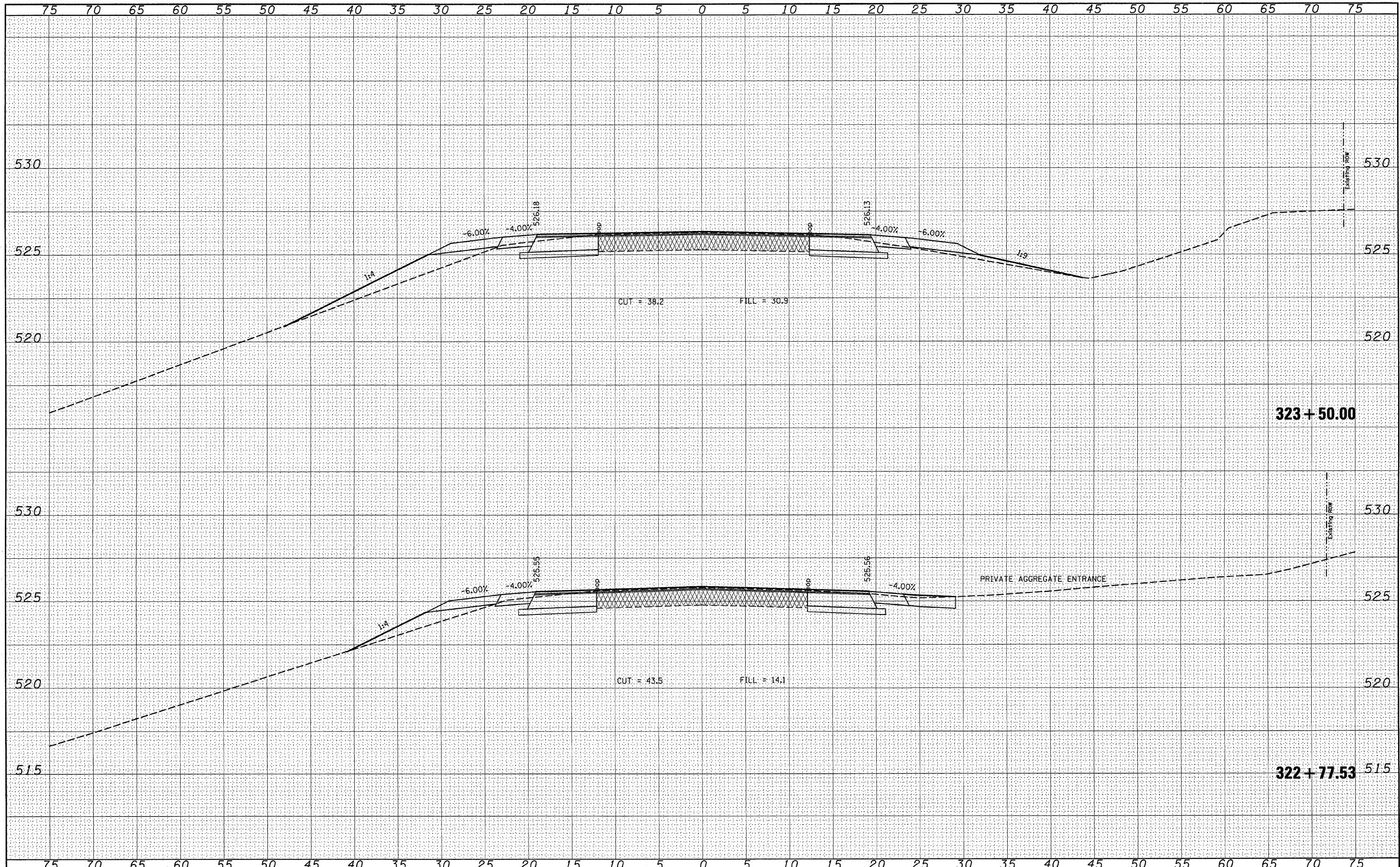
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 322+00.00 TO STA. 322+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	72
CONTRACT NO. 76B33			FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT	



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

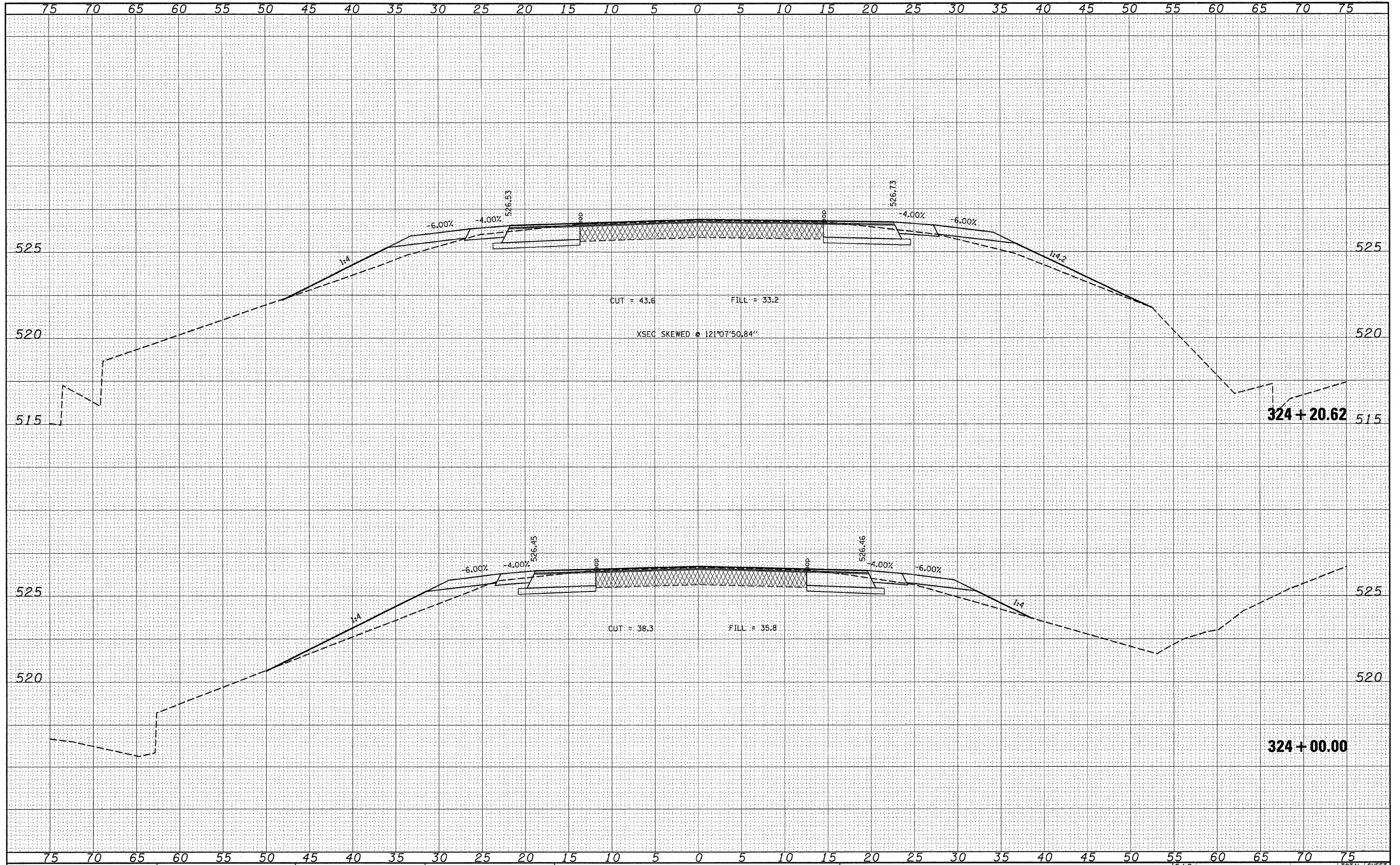
**CROSS SECTION**

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 322+77.53 TO STA. 323+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	(101,102,61-1)RS	MARION	81	73
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B33	

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

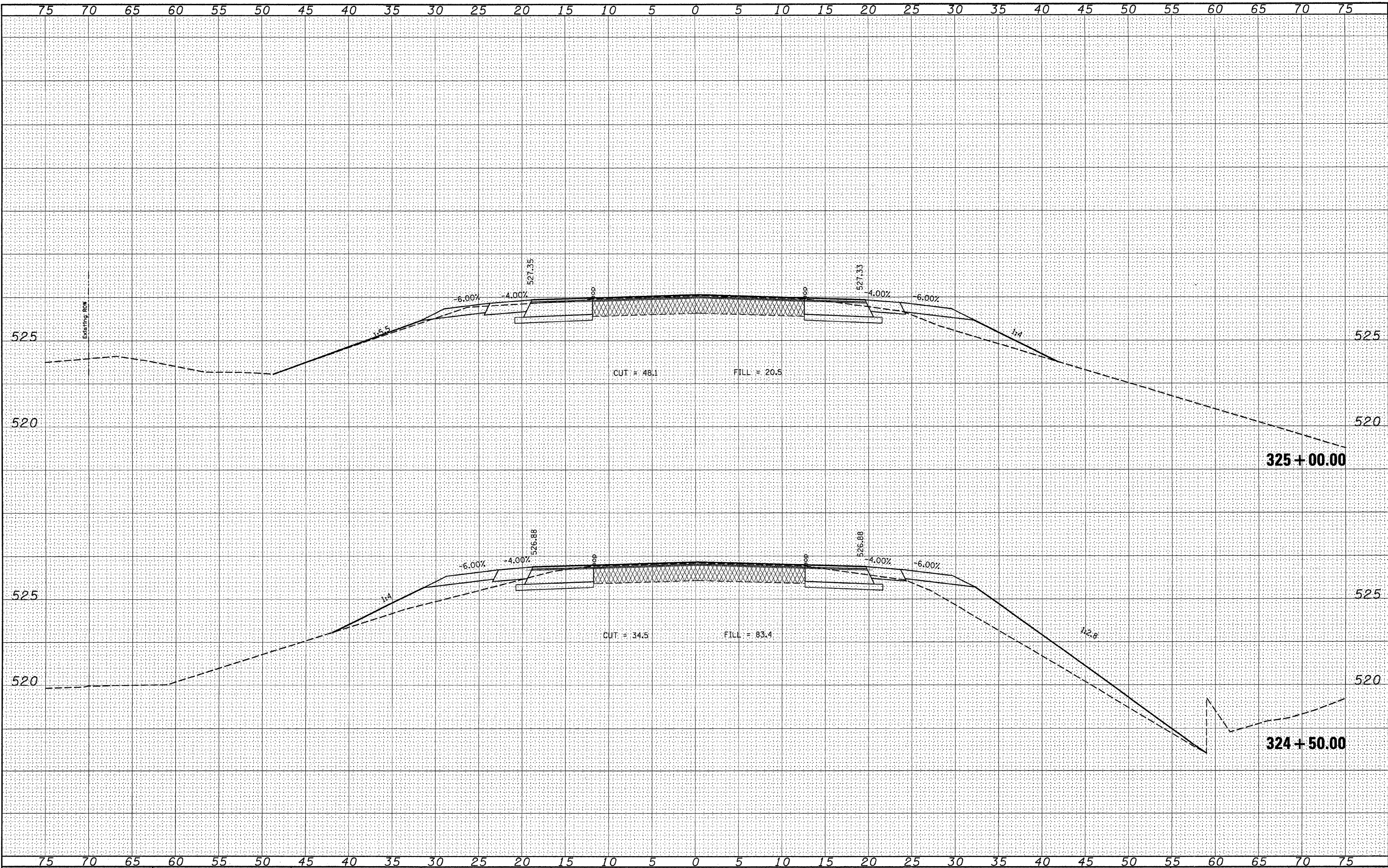
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISD -			805	(101,102,61-1-1)RS	MARION	81	74	
		CHECKED -	REVISD -			CONTRACT NO. 16B33					
		DATE -	REVISD -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE: SHEET NO. OF SHEETS STA. 324+00.00 TO STA. 324+20.62					

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	



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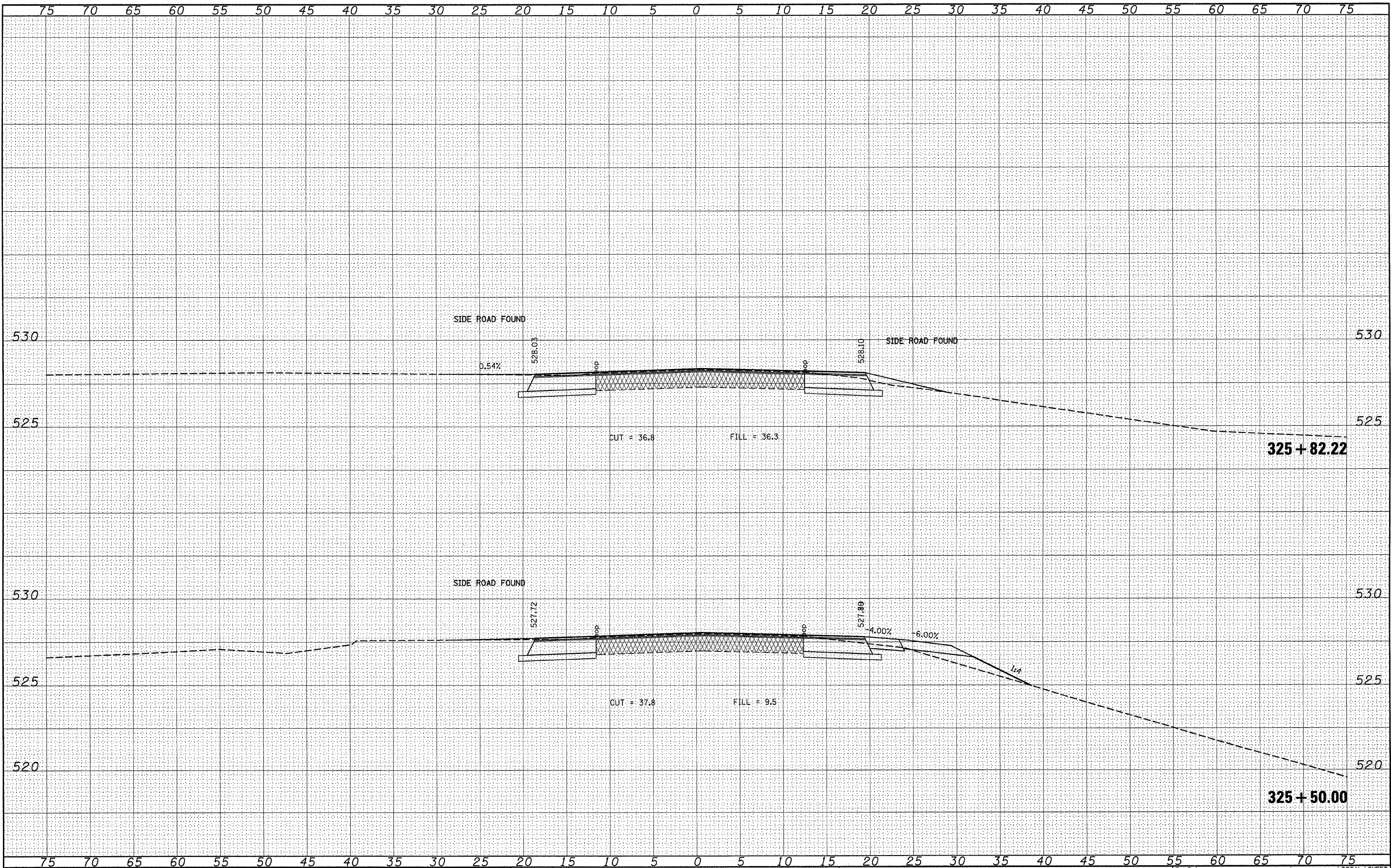
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION**  
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 324+50.00 TO STA. 325+00.00

F.A.P. RTE. 805	SECTION (101.102.61-1-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 75
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76833	

FINAL SURVEY	SUBMITTED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

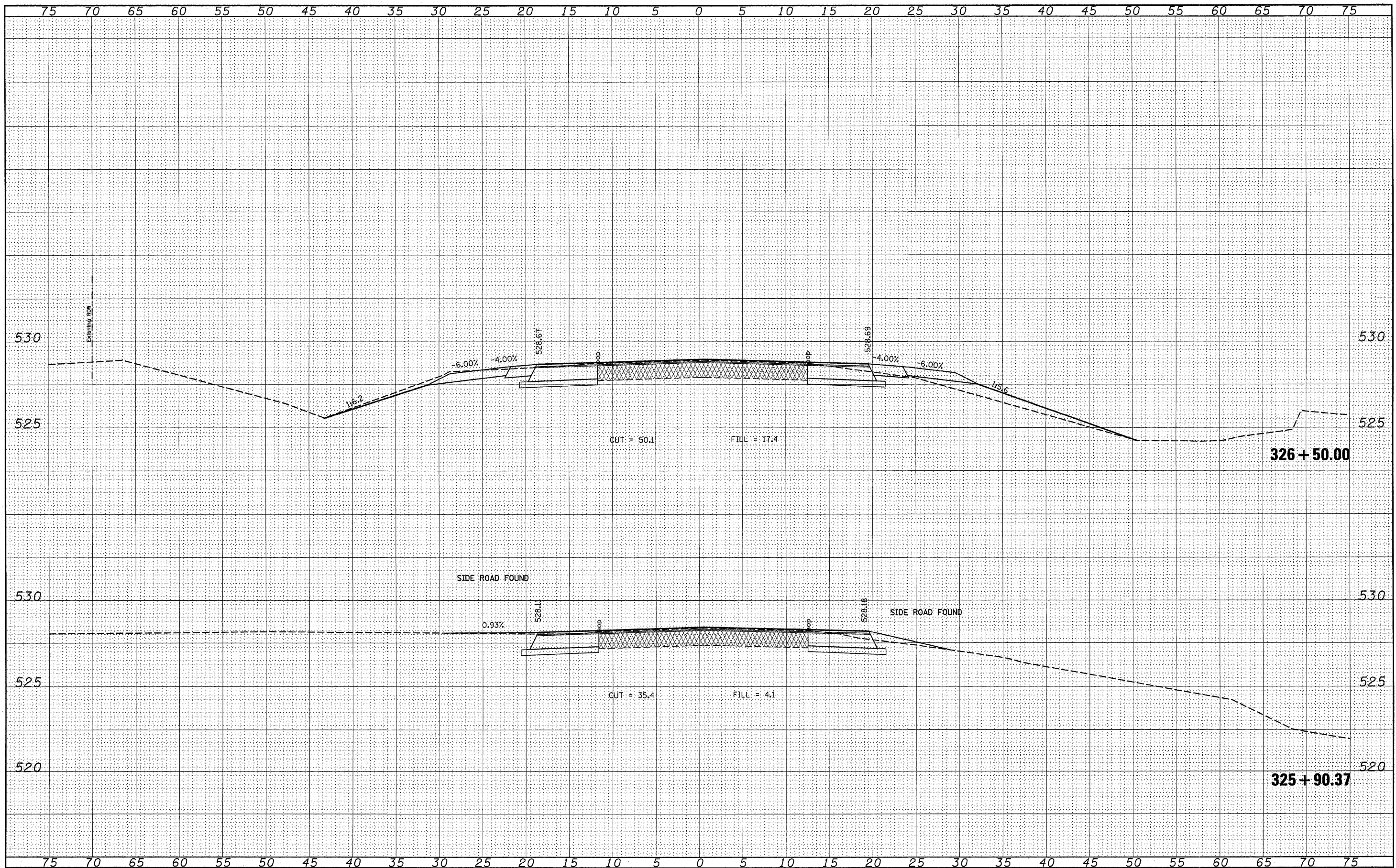
ORIGINAL SURVEY	SUBMITTED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	



FILE NAME =	USER NAME = *USER*	DESIGNED - ---	REVISÉD - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION</b>	F.A.P. R.T.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#*		DRAWN - ---	REVISÉD - ---			805	(101,102,61-1)RS	MARTON	81	76	
PLOT SCALE = #SCALE#		CHECKED - ---	REVISÉD - ---			CONTRACT NO. 16833					
PLOT DATE = #DATE#		DATE - -----	REVISÉD - ---			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
						SCALE: _____ SHEET NO. ___ OF ___ SHEETS		STA. 325+50.00 TO STA. 325+82.22			

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
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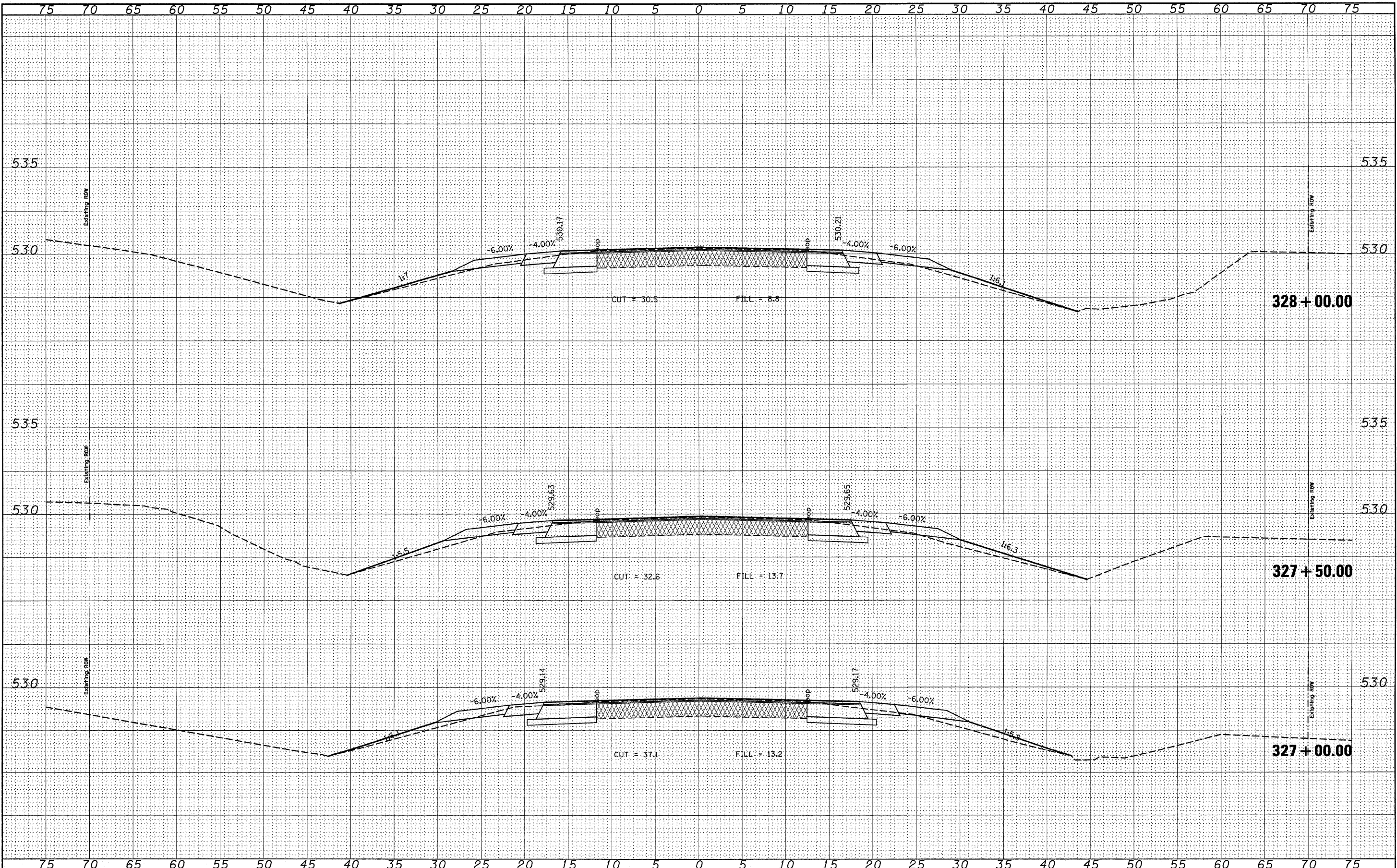
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NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	



FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION</b> SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. 325+90.37 TO STA. 326+50.00	F.A.P. FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	DATE
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ORIGINAL SURVEY	DATE
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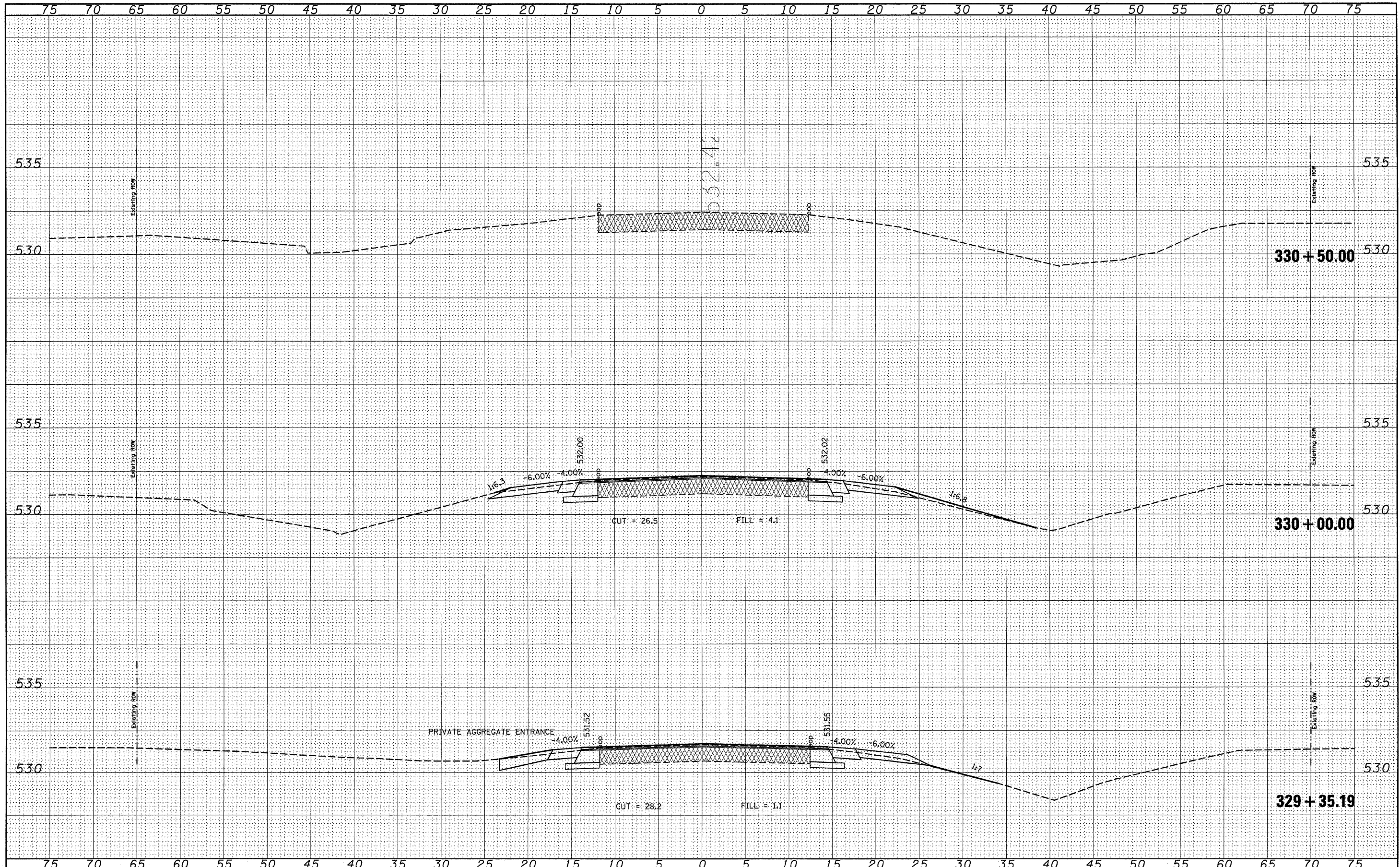


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		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. 327+00.00 TO STA. 328+00.00											



DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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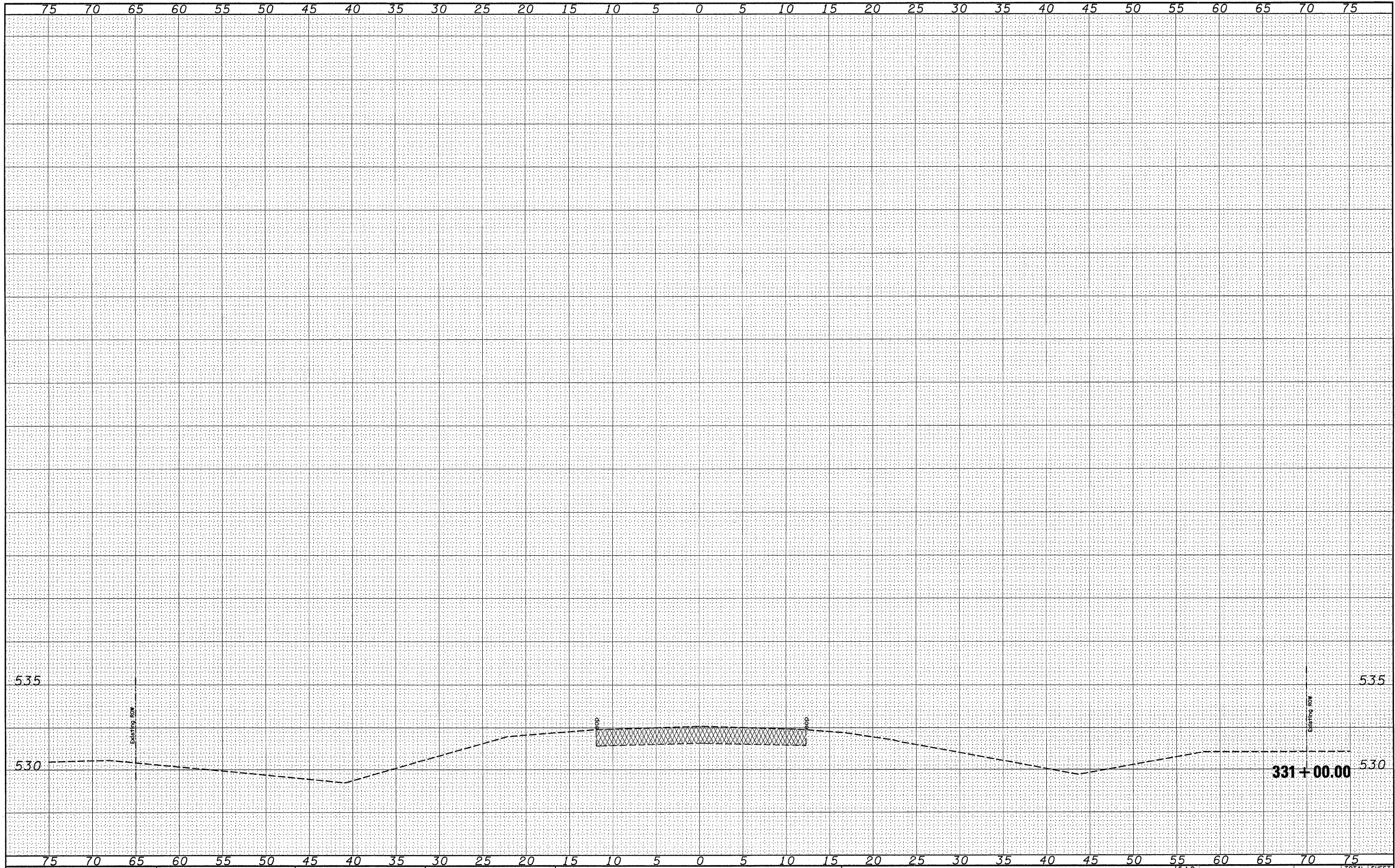


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*FILE#		DRAWN - ---	REVISED - ---			805	(101,102,61-1-1RS)	MARION	81	80	
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PLOT DATE = #DATE*		DATE - -----	REVISED - ---			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE: -----	SHEET NO. ___ OF ___ SHEETS	STA. 329+35.19 TO STA. 330+50.00			



DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION</b>			F.A.P. RTE. 805	SECTION (101,102,61-1-1)RS	COUNTY MARION	TOTAL SHEETS 81	SHEET NO. 81
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	PLOT DATE = #DATE#	CHECKED -	REVISD -		CONTRACT NO. 76B33							
		DATE -	REVISD -									