STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN UNINCORPORATED. MCHENRY COUNTY.

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 305: US 14

IL 23 TO WEST OF IL 120

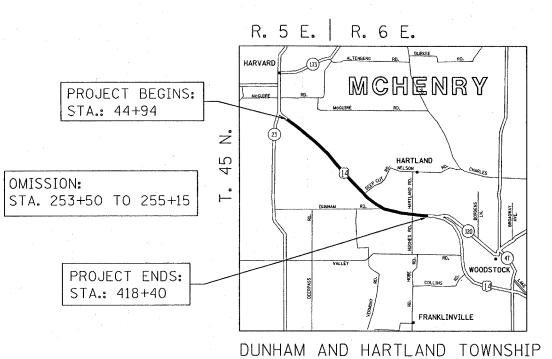
SECTION: 2007-047 I

SHOULDER WIDENING AND RUMBLE STRIP INSTALLATION

PROJECT: ACHSIP-0305 (040)

MCHENRY COUNTY

C-91-009-08



TRAFFIC DATA:

SPEED LIMIT = 55 MPH

2005 ADT = 9.300

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT ENGINEER: J. CHANG (847) 705-4432

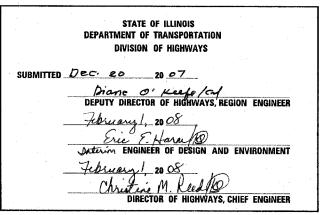
PROJECT MANAGER: KEN ENG

GROSS LENGTH OF PROJECT = 37.346 FEET (7.07 MILES) NET LENGTH OF PROJECT = 37,181 FEET (7,04 MILES)

COUNTY SHEETS NO.

MCHENRY 20 1 2007-047 I





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES.
3	SUMMARY OF QUANTITIES
4	EXISTING AND PROPOSED TYPICAL SECTIONS
5-17	ROADWAY AND PAVEMENT MARKING PLAN
18	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
19	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
20	ARTERIAL ROAD INFORMATION SIGN

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
482001 <i>-0</i> 2	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
630001-07	STEEL PLATE BEAM GUARDRAIL
630301 -04	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006 <i>-0</i> 2	REFLECTOR AND TERMINAL MARKER PLACEMENT
642001	SHOULDER RUMBLE STRIPS
701006- <i>02</i>	OFF-RD. OPERATIONS, 2L, 2W, 15' TO PAVEMENT EDGE
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY
701306 <i>-01</i>	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY
701311- <i>0</i> 2	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701901	TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND MCHENRY COUNTY.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

COUNTY TOTAL SHEET NO.

MCHENRY 20 2

CONTRACT NO.

FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED -				F.A.P.	SECTION	COUNTY		
c:\projects\d100908\design_aa.dgn	5	DRAWN -	REVISED -	STATE OF ILLINOIS	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES					2007-047 I	MCHENRY
	PLOT SCALE = 50.0000 '/ IN.	CHECKED	REVISED -	DEPARTMENT OF TRANSPORTATION							CONTRACT
.esa	PLOT DATE = 12/21/2007	DATE -	REVISED -		SCALE:	SHEET NO. 2 OF 20 SHEETS	STA.	TO STA.	FED. ROAD	DOIST. NO. 1 ILLINOIS FED	
							·····				

CONTRACT NO. 60D37

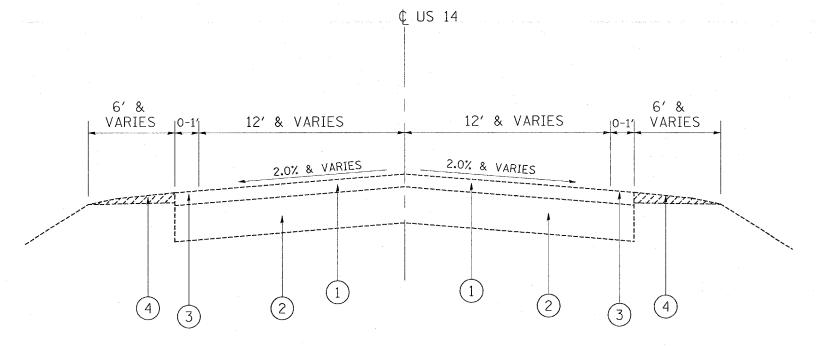
						CONCTOUR	TION TYPE	CODE		, <u>.</u>		· · · · · · · · · · · · · · · · · · ·	 						CONCEDUCE		-005	
	SUMMARY OF QUANTITIES			URBAN	· ·	CONSTRUC	TION TYPE	CODE	-	<u> </u>	SUMMA	RY OF QUA	NTITIES						CONSTRUCT	ION TYPE C	ODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED. 10% STATE						CODE NO		ITEM		44	UNIT	TOTAL QUANTITIES					:	
	. :			SFTY-2A			1	<u> </u>					· · · · · · · · · · · · · · · · · · ·					1				<u></u>
20200100	EARTH EXCAVATION	CU YD	8500	8500																		
31102100	SUB-BASE GRANULAR MATERIAL, TYPE C 4"	sa YD	25500	25500		;																:
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	955	955													,		:			1
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	25500	25500					1						-	· · · · · · · · · · · · · · · · · · ·						
≭ езоооооо	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	300	300												. 4						
¥ 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, (SPECIAL) TANGENT	EACH	10	10																		
63200310	GUARDRAIL REMOVAL	FOOT	800	800														8				
64200105	SHOULDER RUMBLE STRIP	F00T	70500	70500																		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3																		
67100100	MOBILIZATION	L SUM	1	· 1																		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1													- 4					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1			-					*				, a r	+ L					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	910	910																1.0		
X 78200420	GUARDRAIL MARKERS, TYPE B	EACH	20	20							*											
/ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10													:					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	910	910																		
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52		. ,				,											.	
	***																					· · · · ·
																	-		1.			
					i .									:								
															į							
									,						***************************************						·	
				4.																		
						1			•	-												
							1.												1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1														***************************************		;					
						ų.											1					

* SPECIALTY ITEMS

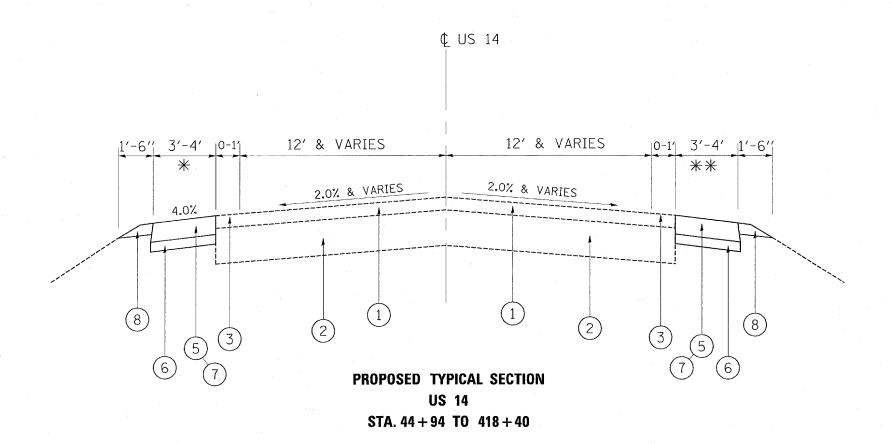
REVISIONS
HAME DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PLOT DATE: 12/26/2007



EXISTING TYPICAL SECTION US 14 STA. 44+94 TO 418+40



LEGEND

- (1) EXIST. HOT-MIX ASPHALT PAVEMENT, 4"(±)
- (2) EXIST. P.C.C. BASE COURSE, 10"(±)
- (3) EXIST. HOT-MIX ASPHALT SAFETY SHOULDER
- (4) EXIST. AGGREGATE SHOULDER (TO BE REMOVED)
- (5) PROP. HOT-MIX ASPHALT SHOULDER, 8"
- (6) PROP. SUBBASE GRANULAR MATERIAL, TYPE C, 4"
- (7) PROP. SHOULDER RUMBLE STRIPS
- 8) PROP. AGGREGATE WEDGE SHOULDER, TYPE B

NOTES:

** NEW SHOULDER PLUS EXISTING SAFETY SHOULDER SHALL EQUAL 4'

RIGHT TURN LANE FROM STA. 245+50 TO 249+42

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE USE	AC TYPE	AIR VOIDS (%)
SHOULDERS	HOT-MIX ASPHALT SHOULDERS, 8"	PG 64-22 *	2% @ 30 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

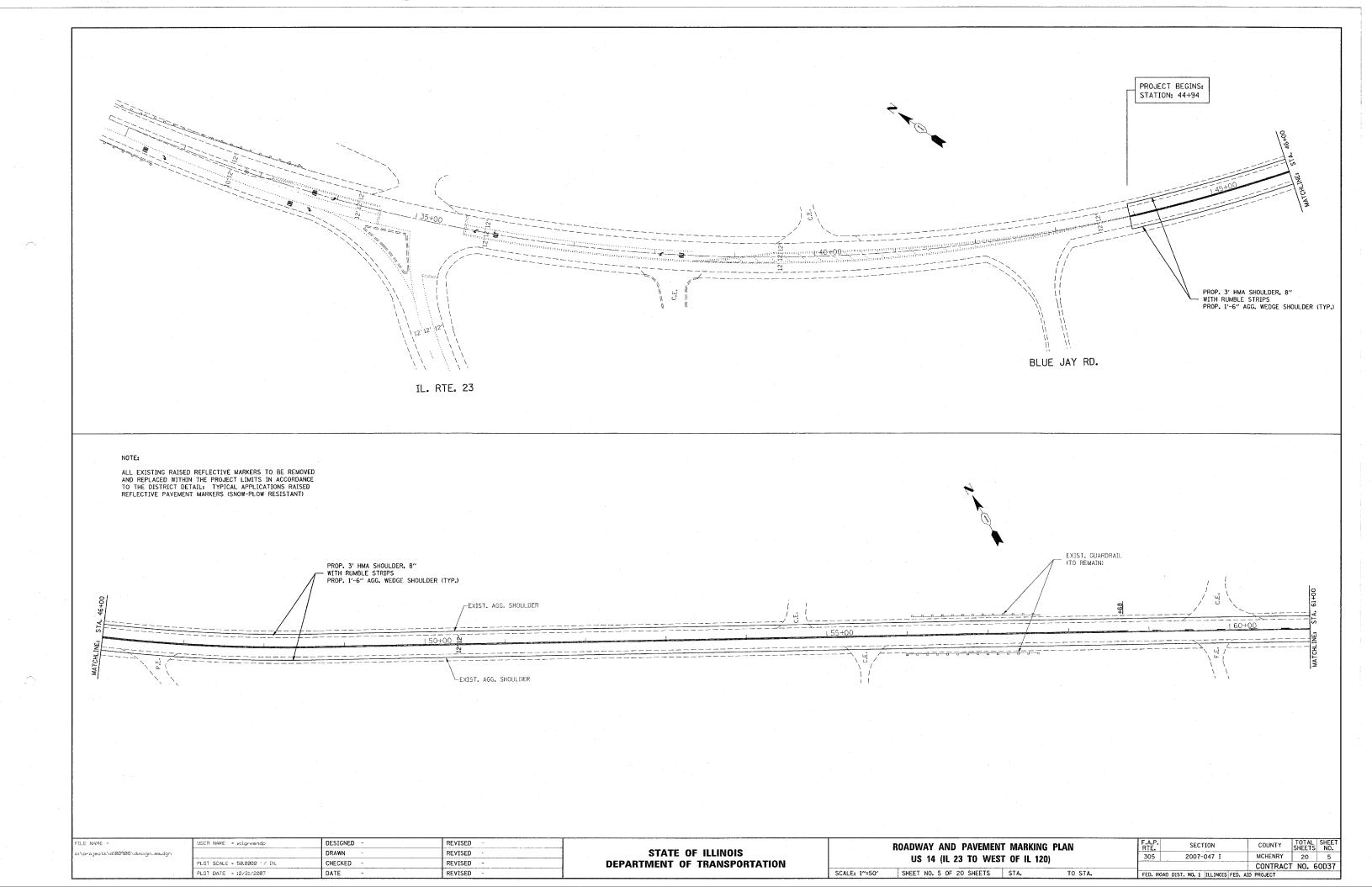
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

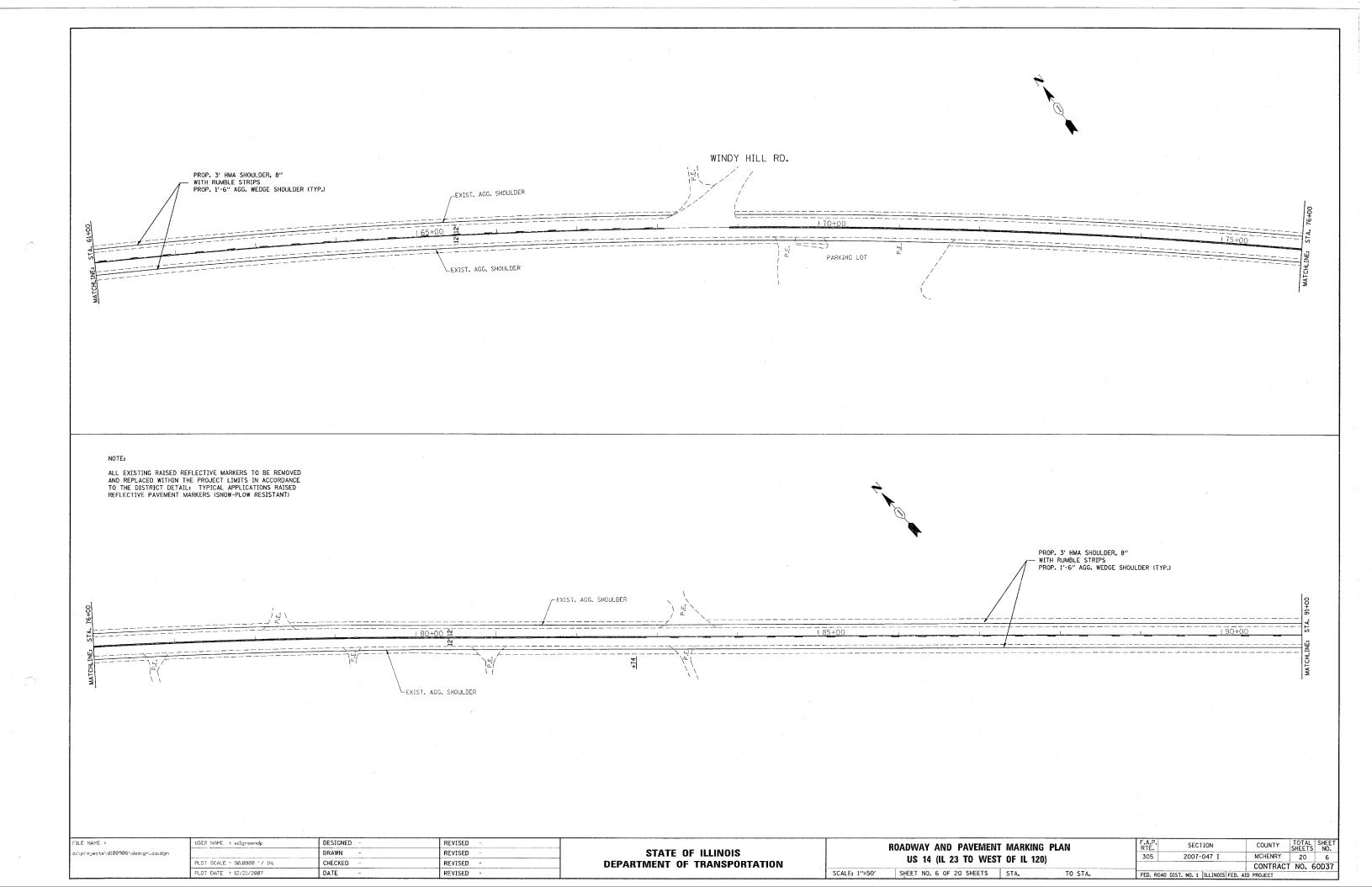
c:\projects\d100908\design_aa.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -
	PLOT DATE = 12/26/2007	DATE -	REVISED -

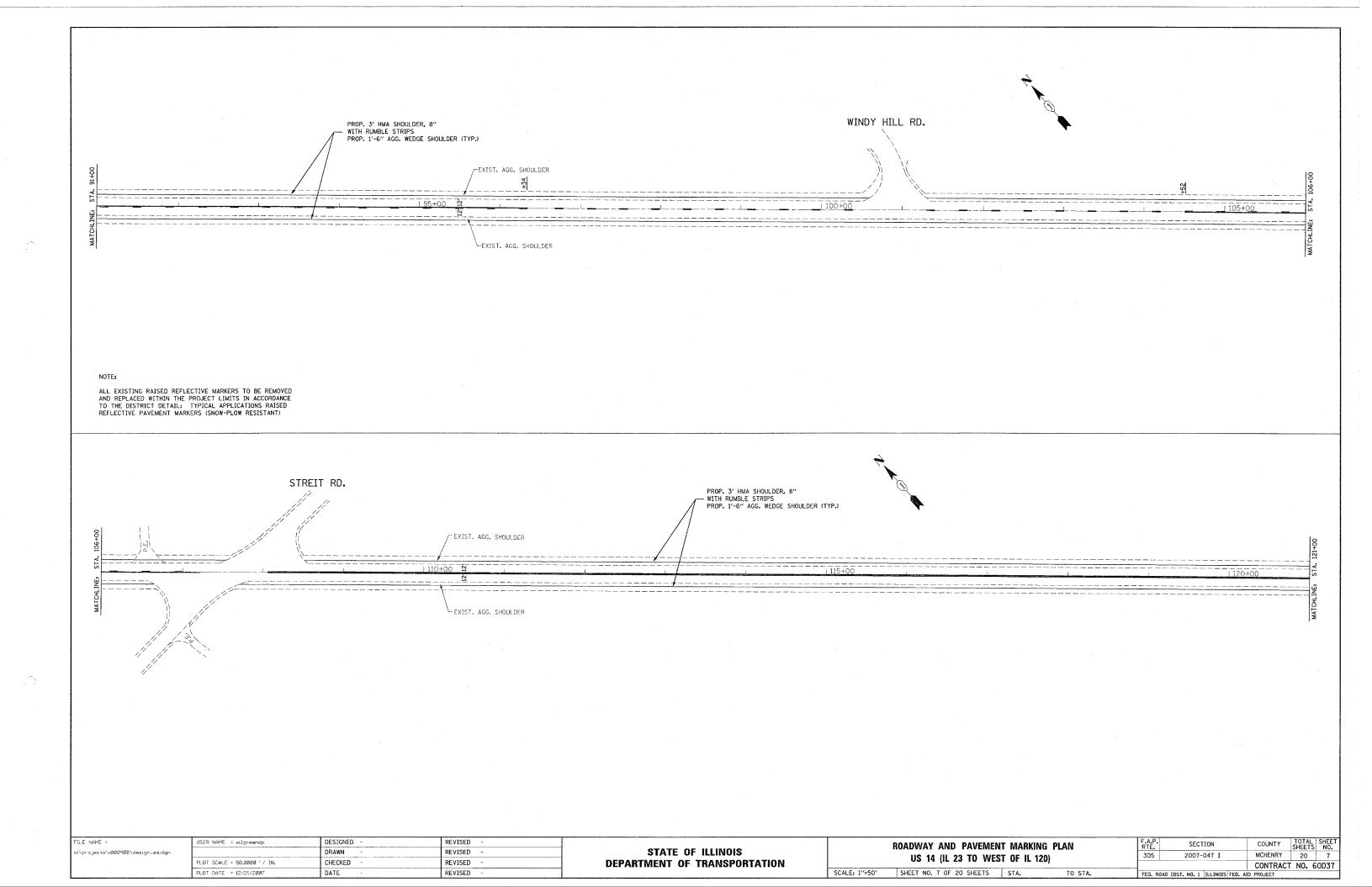
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

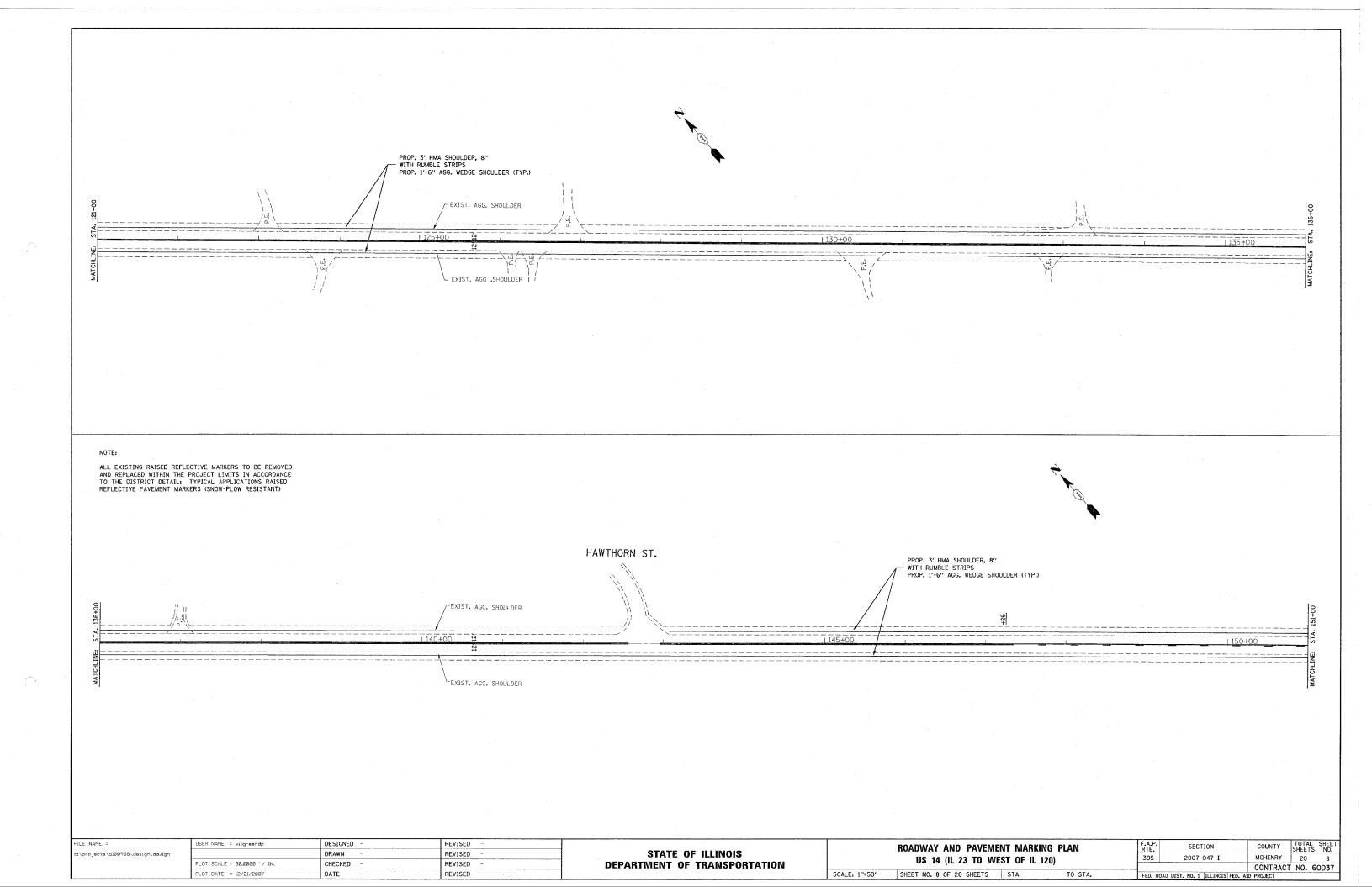
E	XISTIN	G /	AND	PI	ROPO	SED	TYPIC	CAL	. SEC	TION	
	US	14	ı (IL	23	T0	WES	ST OF	IL	120)		
	SHEET N	١0.	4 OF	20	SHEE	TS	STA.			ТО	STA.

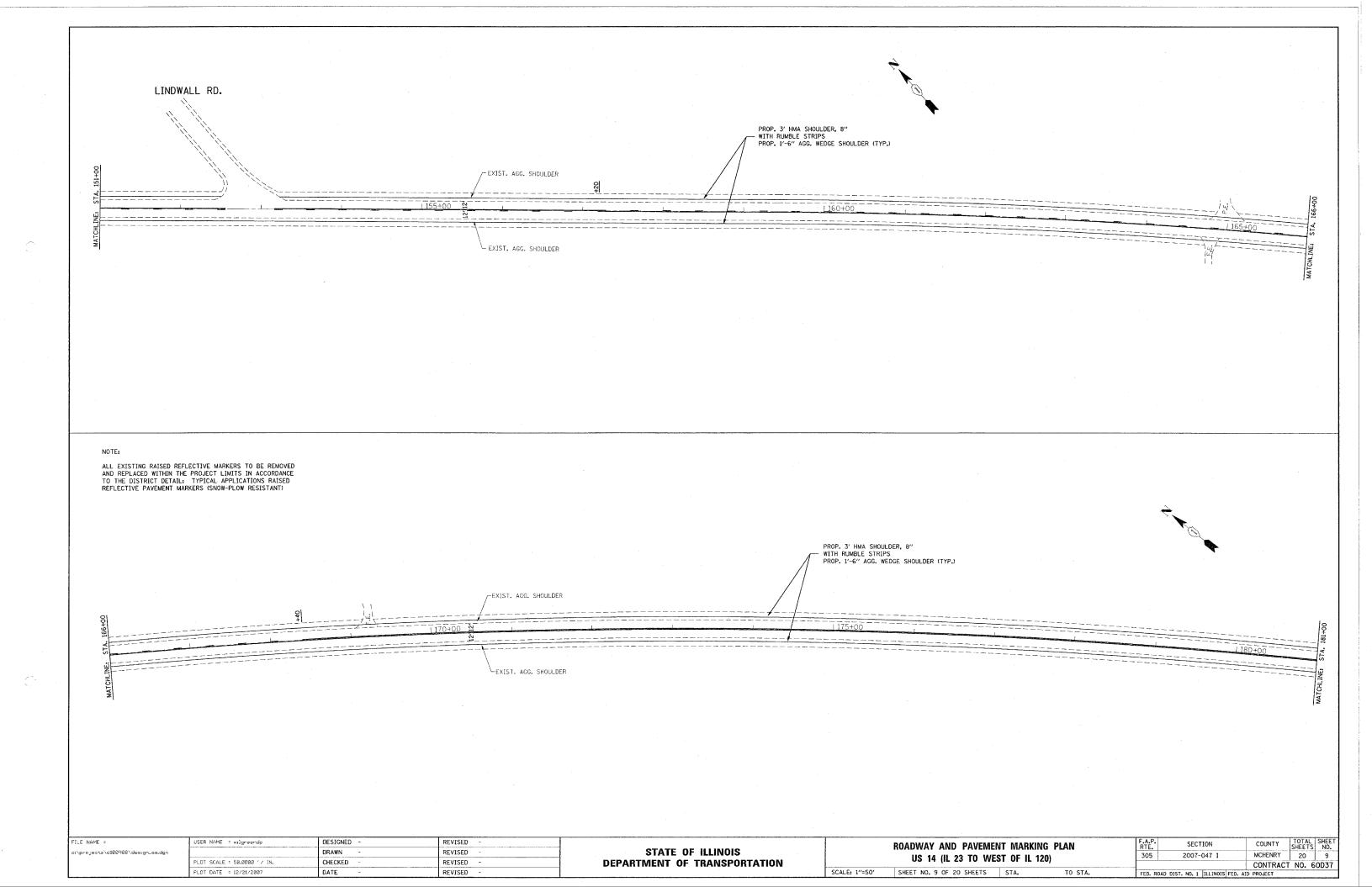
305	2007-047 I	CONTRACT	20 NO. 6	003
.A.P.	SECTION	COUNTY	SHEETS	SHE

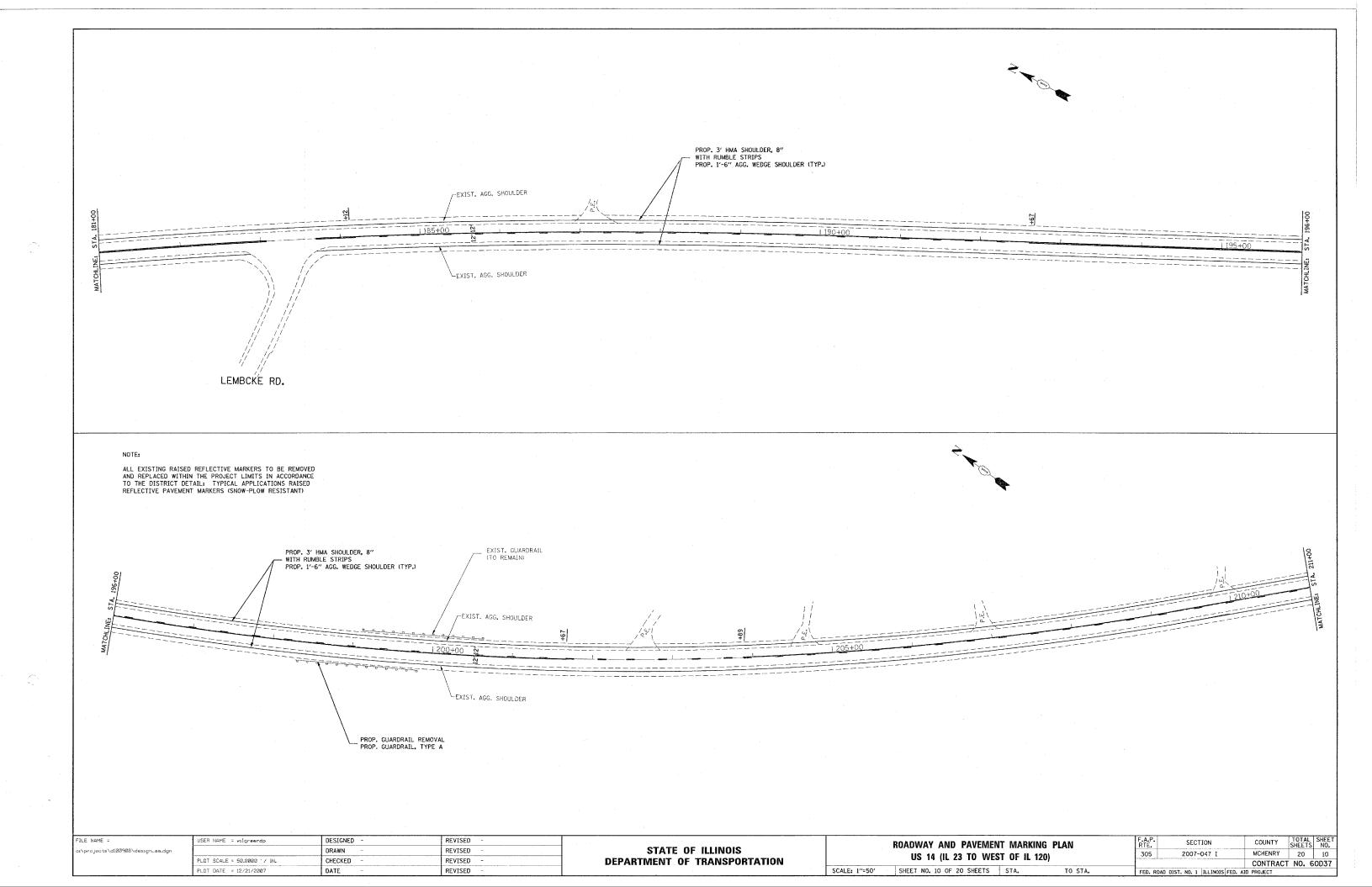


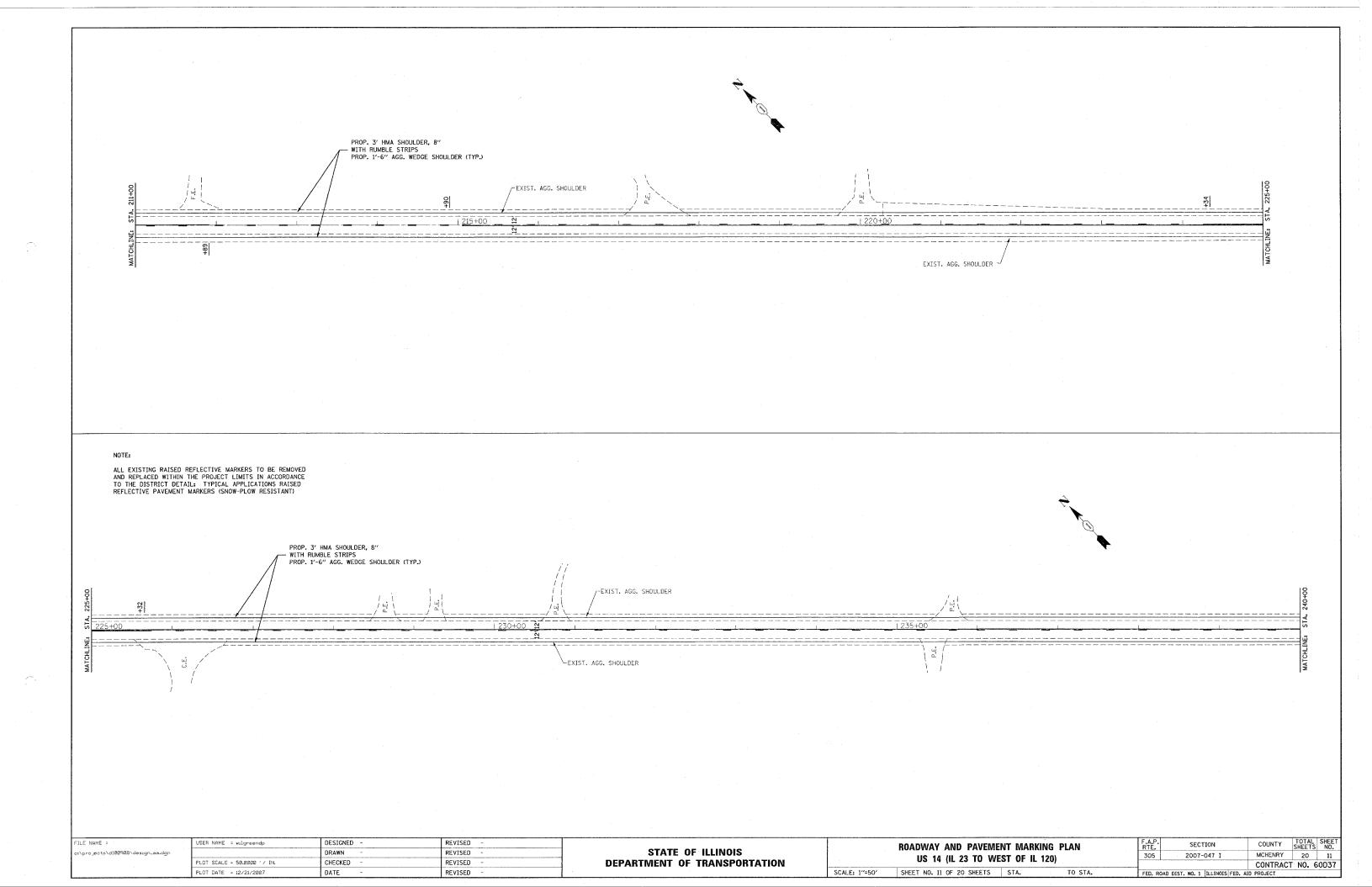


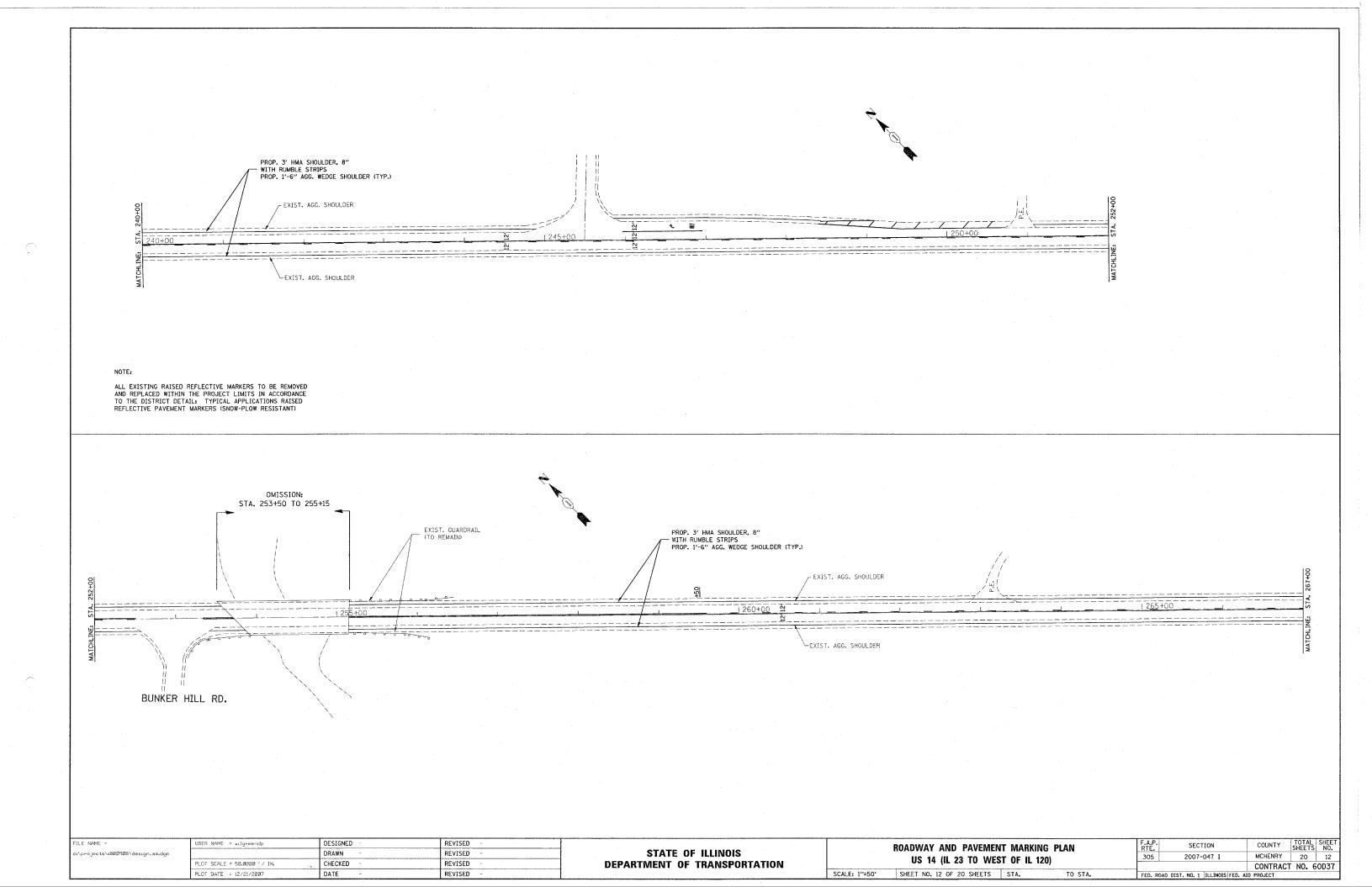


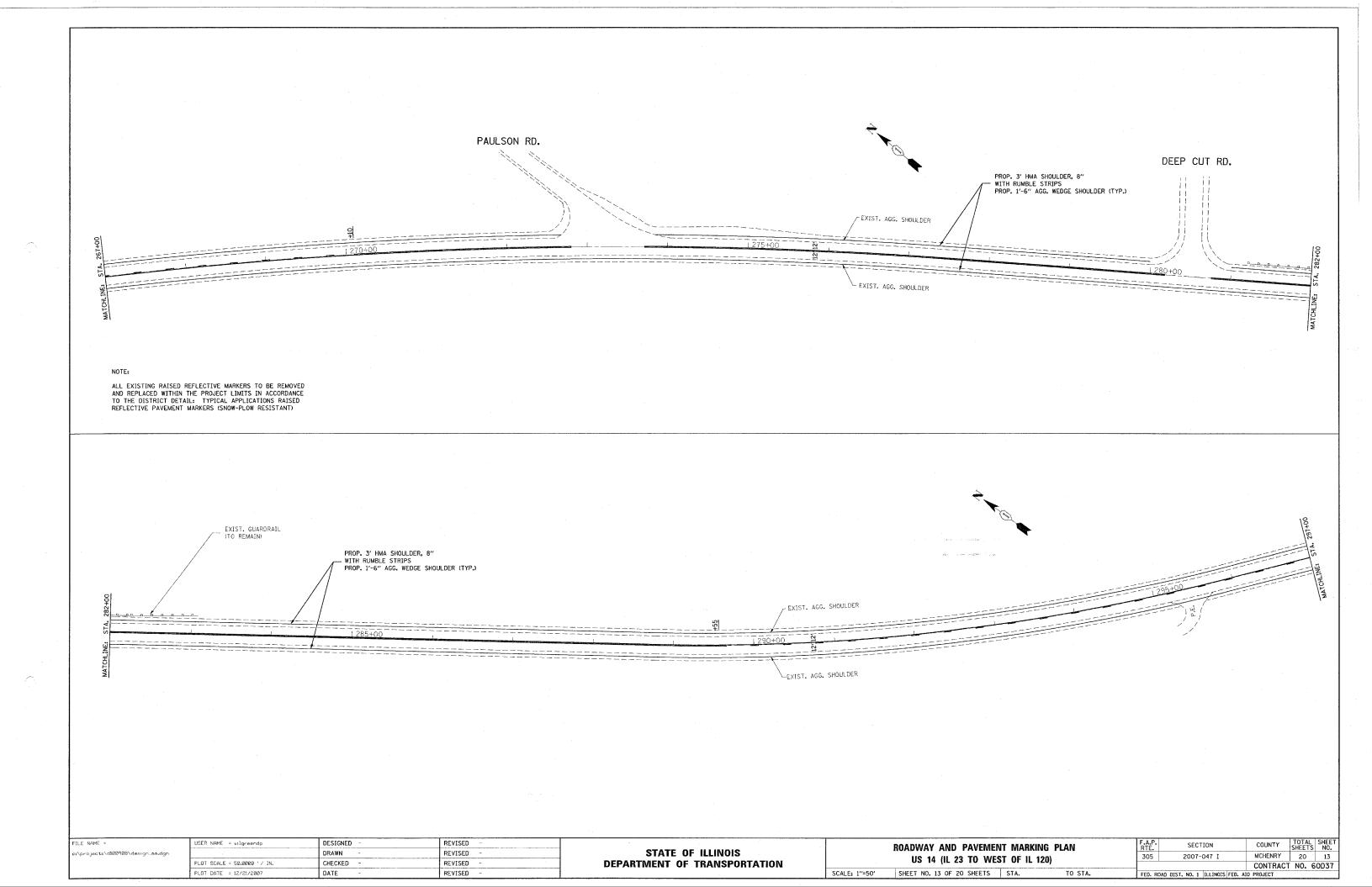


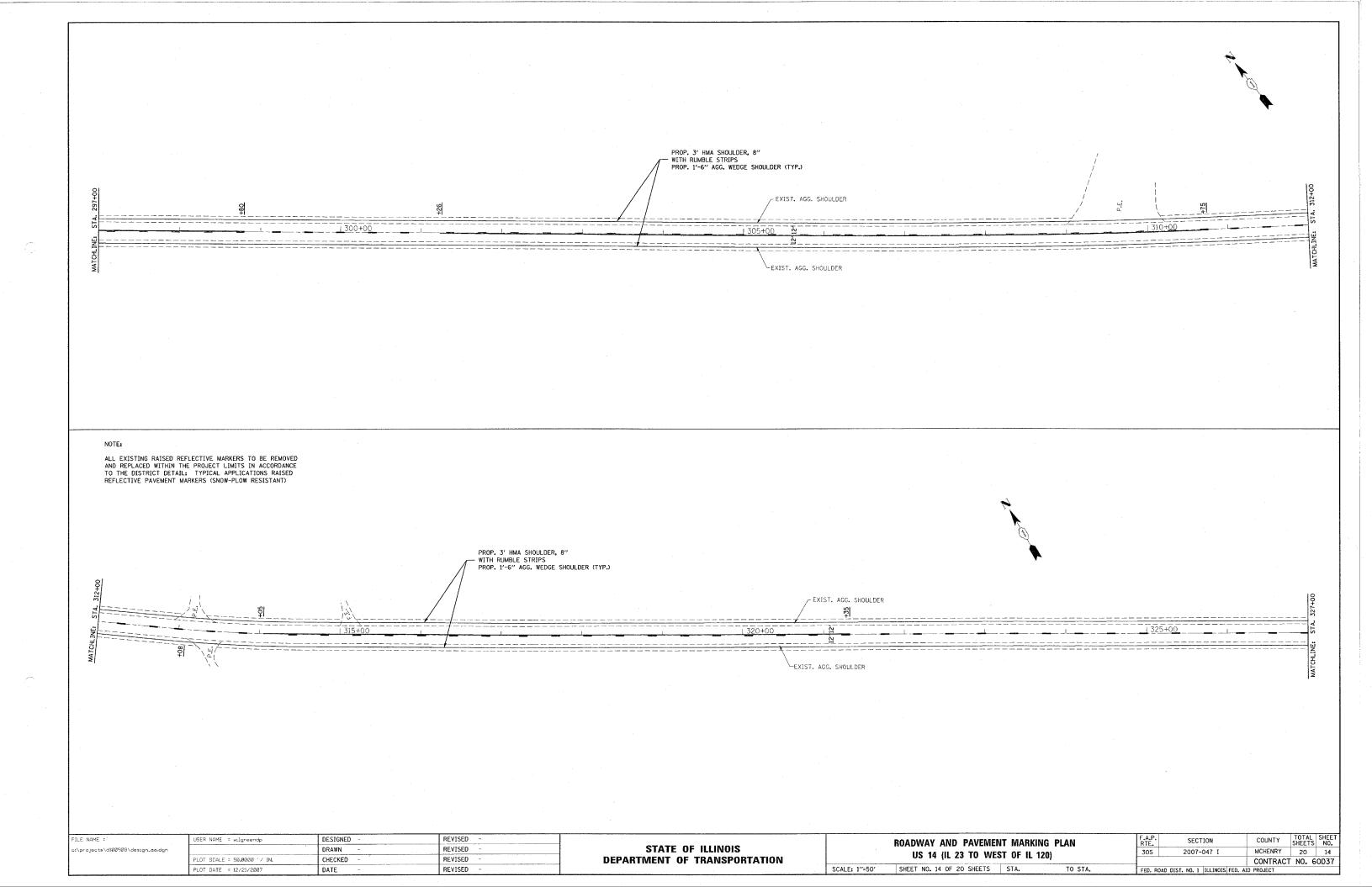


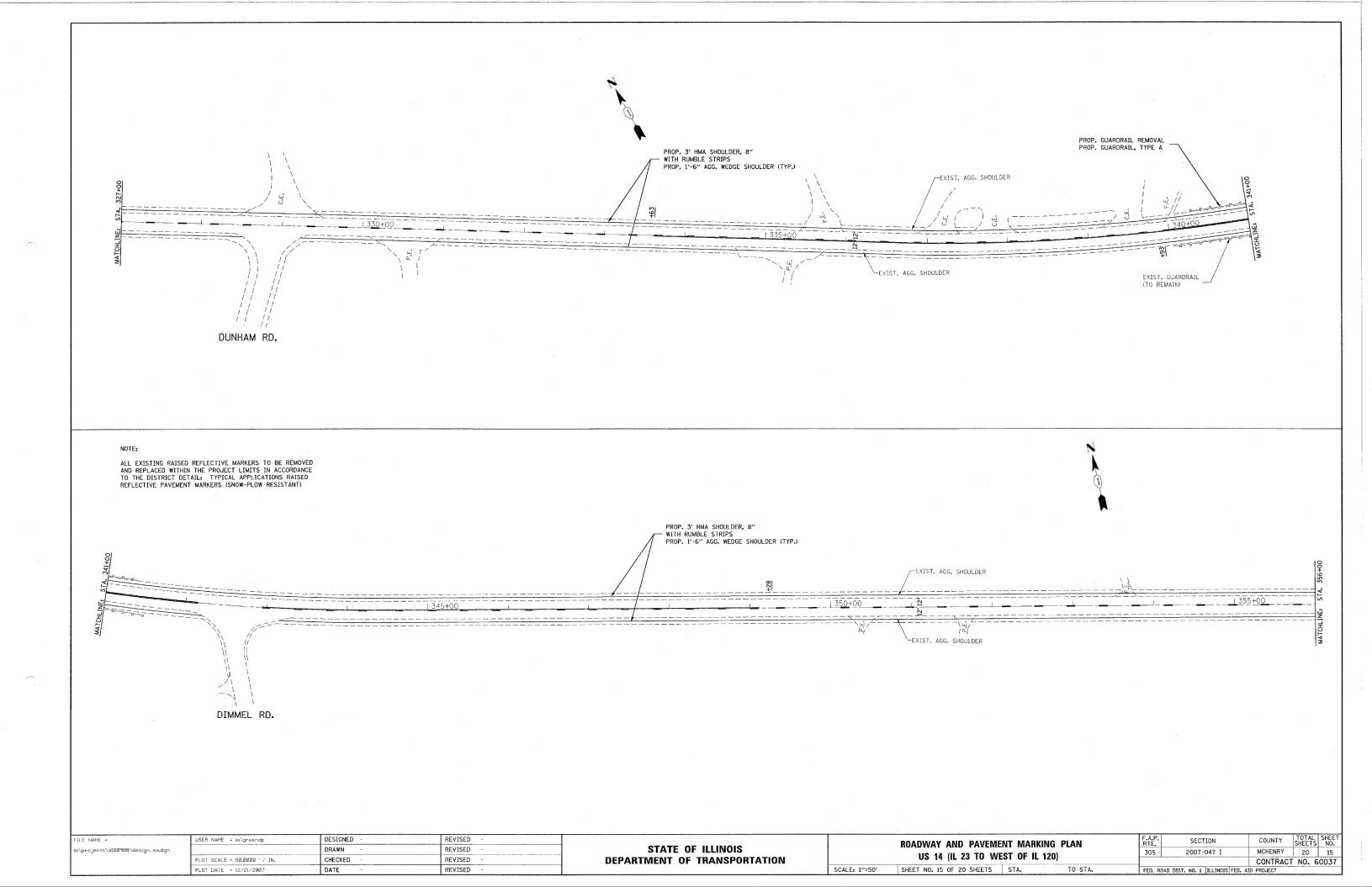


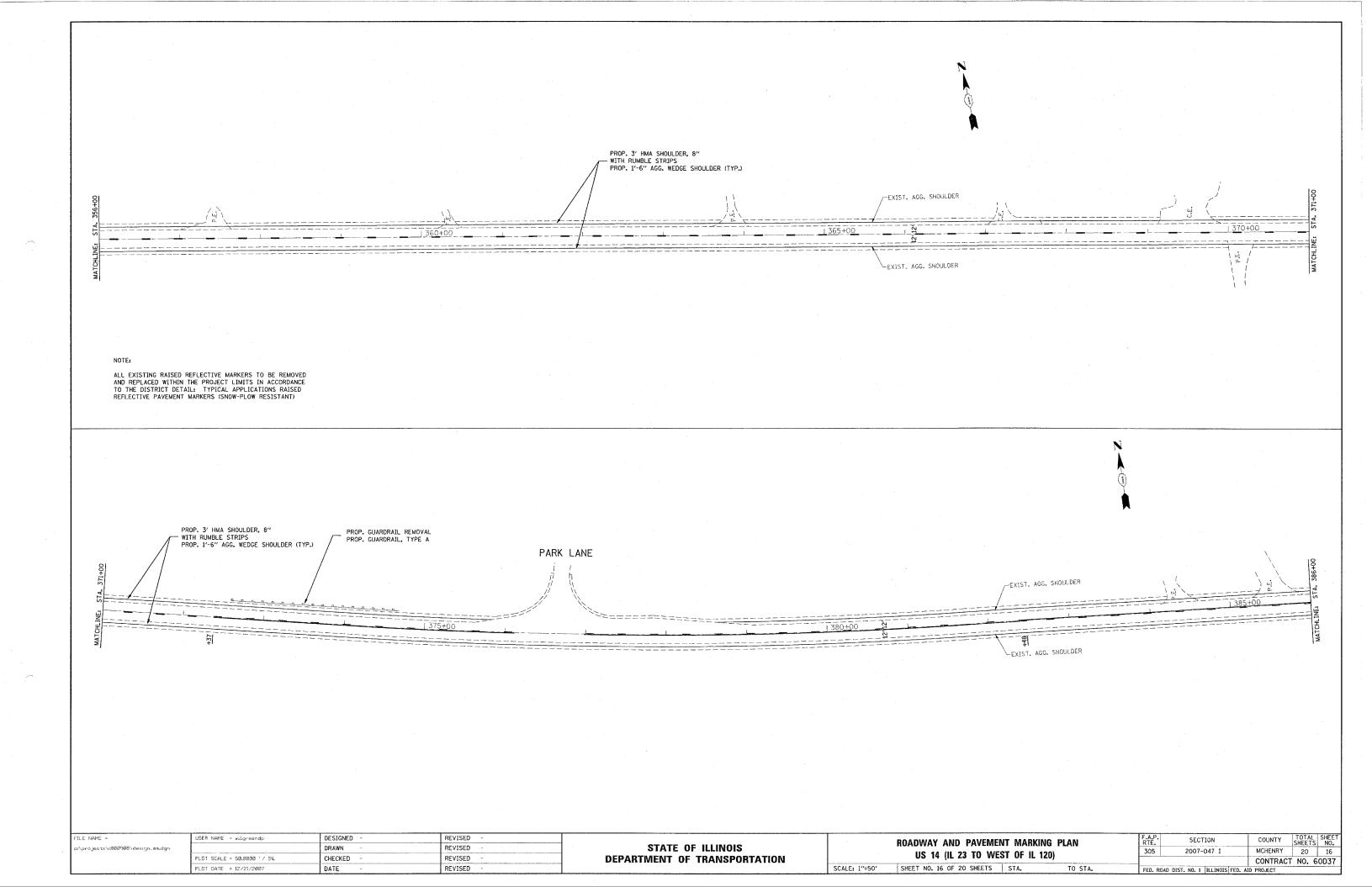


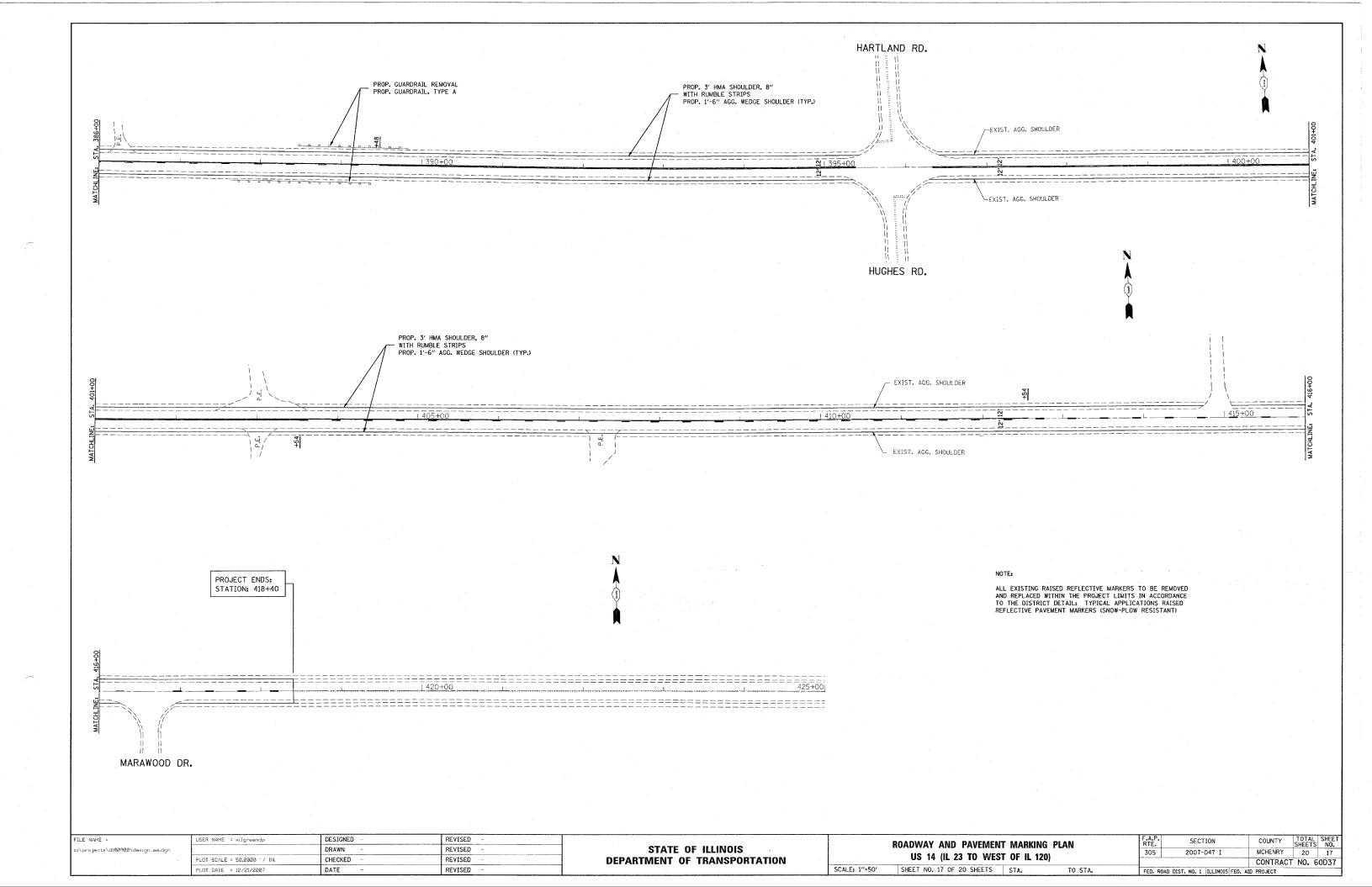












COUNTY TOTAL SHEET NO. F.A.P. SECTION 305 2007-047 I MCHENRY 20 18 TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ROAD AHEAD ROAD TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS ON EACH. AHEAD TYPE I OR TYPE II BARRICADES WITH ONE FLASHING AMBER LIGHT ON EACH, OR 15 (380) TYPE III BARRICADES WITH TWO FLASHING 200'± (60 m±)---21 (530) AMBER LIGHTS ON EACH. DRIVEWAY WORK AREA [STREET; SPEED 40 MPH OR LESS 200'± (60 m±) (60 500'± (150 COLLECTOR LIMIT> 40 MPH (LOCAL LIMIT 4 ROAD CONSTRUCTION W20-1(0) M6-4(0)-2115 M6-1(0)-2115

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, $1/3\,$ OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- d) ONE ROAD CONSTRUCTION AHEAD SIGN 48 \times 48 (1.2 m \times 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE

- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches)

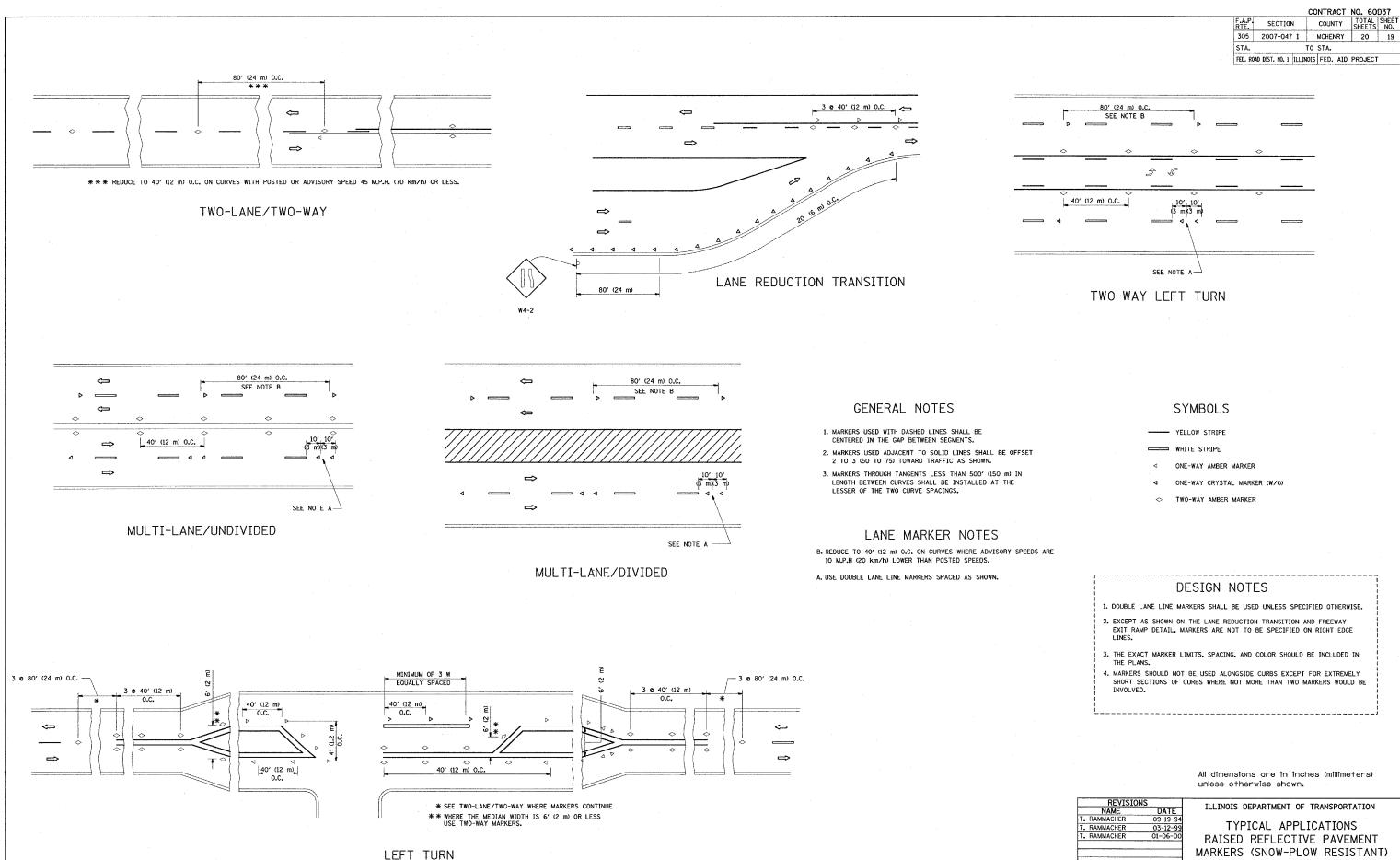
REVISIO	ILLINOI	
NAME	DATE	ILLINOI
LHA	6/89	TRAFFIC
T. RAMMACHER	09/08/94	IIIALIIC
J. OBERLE	10/18/95	
A. HOUSEH	03/06/96	SIDE R
A. HOUSEH	10/15/96	SINE K
T. RAMMACHER	01/06/00	
		SCALE: NONE

ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

DRAWN BY

CHECKED BY TC-10

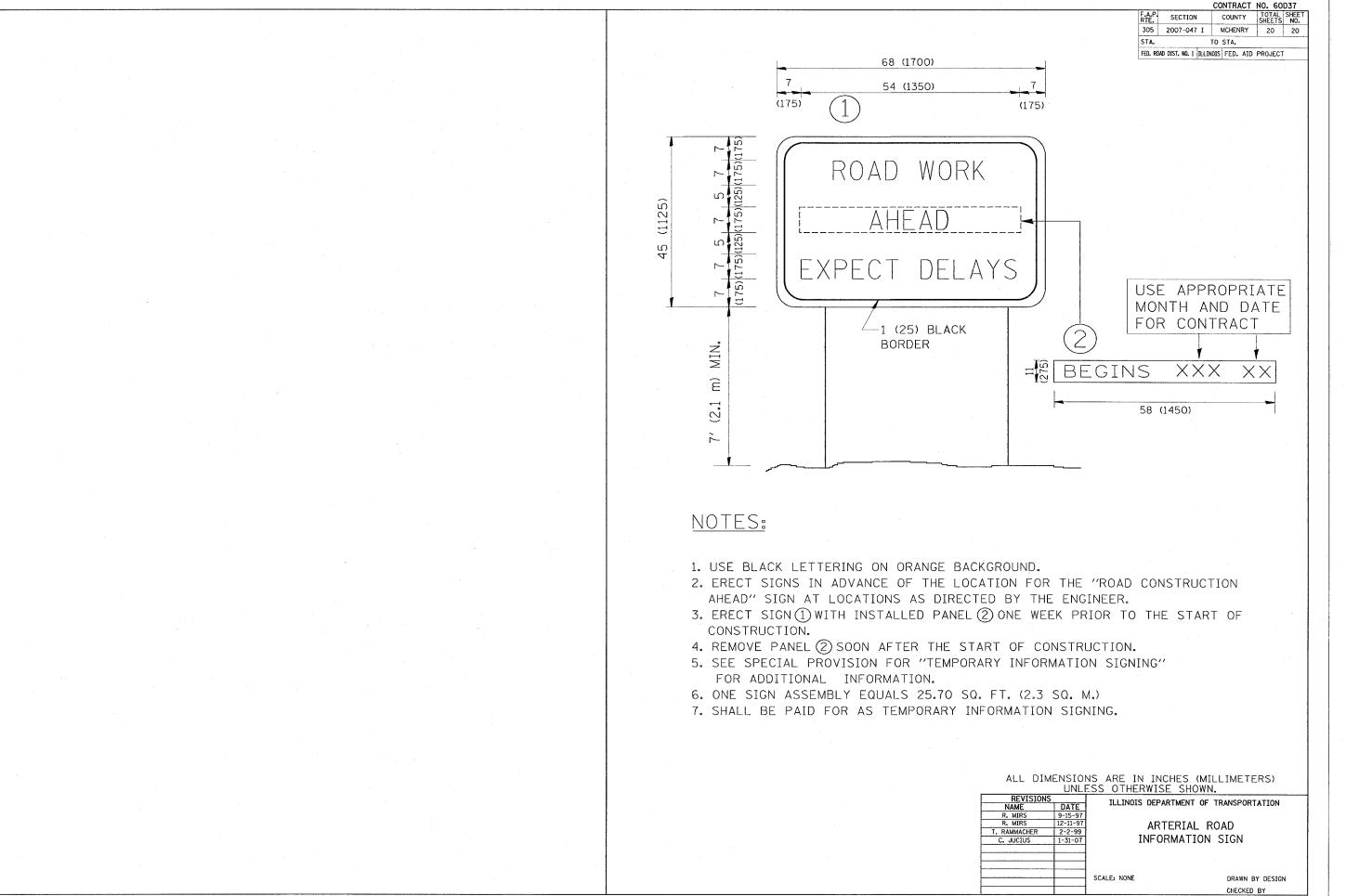
CONTRACT NO. 60D37



MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE

DRAWN BY CADD CHECKED BY



= \\distintfs2\users\wilgreendp\Desktop\US 14 District Details\tc22.dgr = 52,941 ' / 1N,

.0T DATE = 12/26/2007 LE NAME = \\distlntfs2\use .0T SCALE = 52,941 ' / IN, ER NAME = wigreendp

TC22