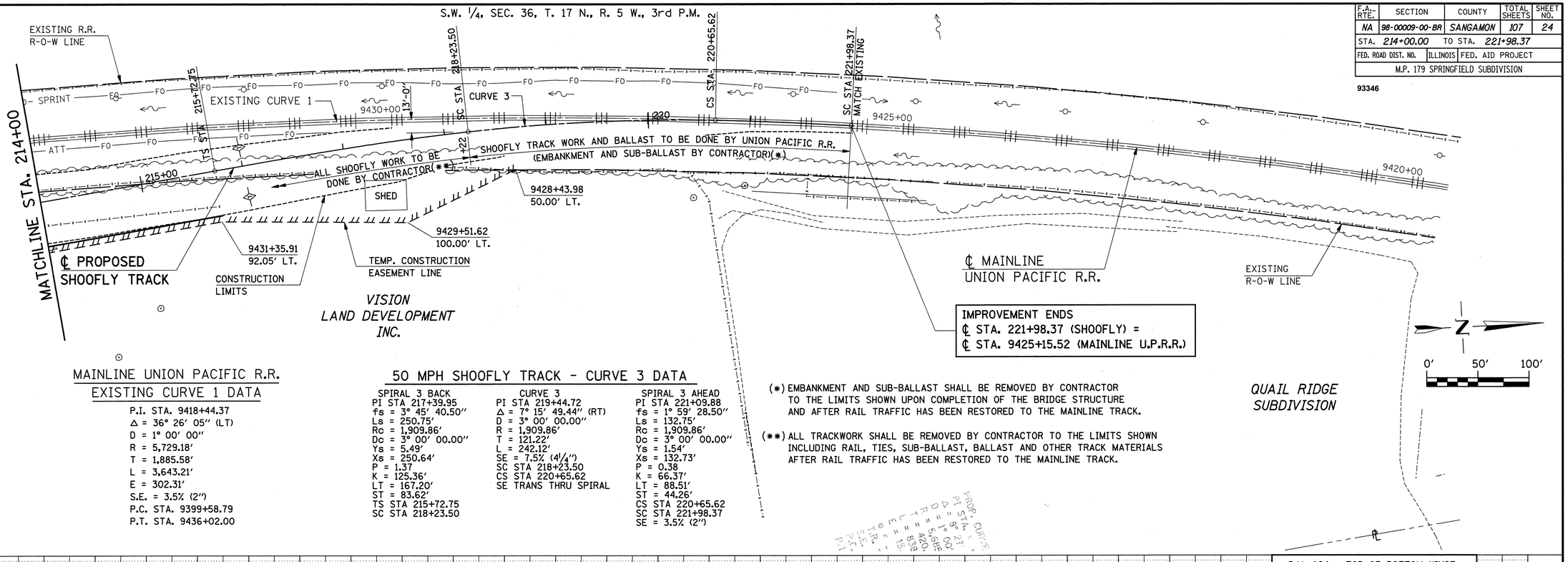
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	98-00009-00-BR	SANGAMON	107	24
STA. 214+00.00	TO STA. 221+98.37			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
M.P. 179 SPRINGFIELD SUBDIVISION				

93346

S.W. 1/4, SEC. 36, T. 17 N., R. 5 W., 3rd P.M.



MAINLINE UNION PACIFIC R.R. EXISTING CURVE 1 DATA

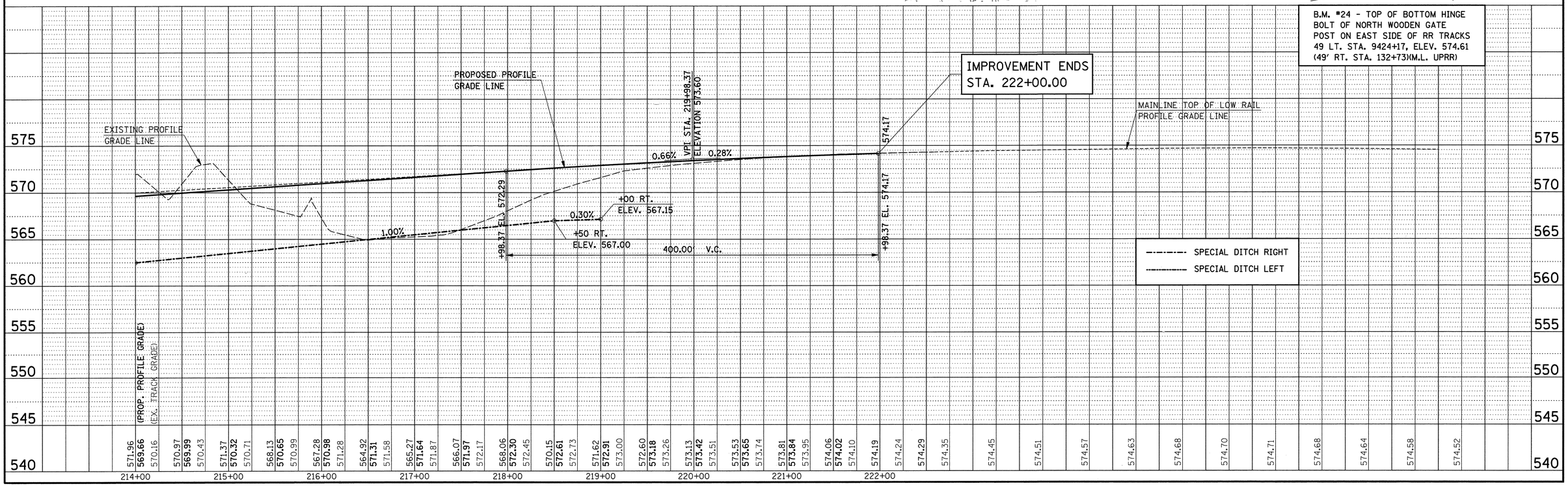
P.I. STA. 9418+44.37
Δ = 36° 26′ 05″ (LT)
D = 1° 00′ 00″
R = 5,729.18′
T = 1,885.58′
L = 3,643.21′
E = 302.31′
S.E. = 3.5% (2″)
P.C. STA. 9399+58.79
P.T. STA. 9436+02.00

50 MPH SHOOFLY TRACK - CURVE 3 DATA

SPIRAL 3 BACK	CURVE 3	SPIRAL 3 AHEAD
PI STA 217+39.95	PI STA 219+44.72	PI STA 221+09.88
fs = 3° 45′ 40.50″	Δ = 7° 15′ 49.44″ (RT)	fs = 1° 59′ 28.50″
Ls = 250.75′	D = 3° 00′ 00.00″	Ls = 132.75′
Rc = 1,909.86′	R = 1,909.86′	Rc = 1,909.86′
Dc = 3° 00′ 00.00″	T = 121.22′	Dc = 3° 00′ 00.00″
Ys = 5.49′	L = 242.12′	Ys = 1.54′
Xs = 250.64′	SE = 7.5% (4 1/4″)	Xs = 132.73′
P = 1.37	SC STA 218+23.50	P = 0.38
K = 125.36′	CS STA 220+65.62	K = 66.37′
LT = 167.20′	SE TRANS THRU SPIRAL	LT = 88.51′
ST = 83.62′		ST = 44.26′
TS STA 215+72.75		CS STA 220+65.62
SC STA 218+23.50		SC STA 221+98.37
		SE = 3.5% (2″)

(*) EMBANKMENT AND SUB-BALLAST SHALL BE REMOVED BY CONTRACTOR TO THE LIMITS SHOWN UPON COMPLETION OF THE BRIDGE STRUCTURE AND AFTER RAIL TRAFFIC HAS BEEN RESTORED TO THE MAINLINE TRACK.

(**) ALL TRACKWORK SHALL BE REMOVED BY CONTRACTOR TO THE LIMITS SHOWN INCLUDING RAIL, TIES, SUB-BALLAST, BALLAST AND OTHER TRACK MATERIALS AFTER RAIL TRAFFIC HAS BEEN RESTORED TO THE MAINLINE TRACK.



PLAN AND PROFILE 50 MPH SHOOFLY TRACK STA. 214+00 TO 221+98.37

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. — BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHKD / NOTE BOOK / NO. — BY / DATE