

COUNTY OF	ITEM NO.	SHEET NO.
WOLFE MORGAN	10-126.70	RI



RIGHT OF WAY PLANS

NEW CONSTRUCTION

REMOVALS

RETAIN EXISTING

POLES PRIVATE LSW = 13

POLES PUBLIC RW = 1

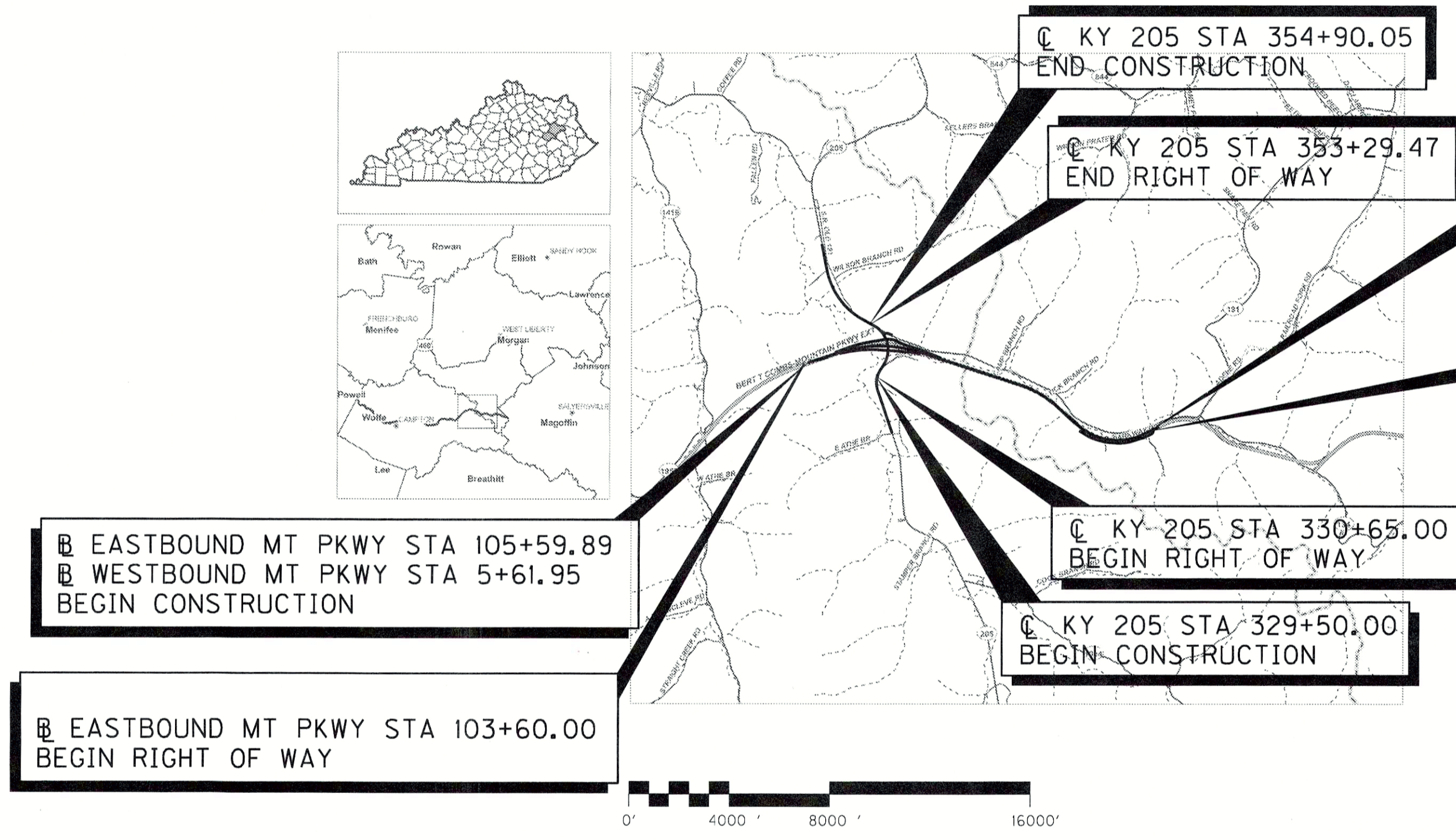
THIS PROJECT IS A FULLY
CONTROLLED ACCESS HIGHWAY

THIS PROJECT IS ON THE NH SYSTEM

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT

WOLFE AND MORGAN COUNTIES MOUNTAIN PARKWAY (KY 9009) FROM KY 205 INTERCHANGE TO MILE POINT 59.2 THESE PLANS ARE FOR GRADE, DRAIN AND SURFACING



LAYOUT MAP

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2-R2D	TYPICAL SECTIONS
R3	SHEET LAYOUT
R4-R49	PLAN AND PROFILE SHEETS
R50	RIGHT OF WAY SUMMARY SHEETS
R51-R53	RIGHT OF WAY STRIP MAP SHEETS
R54-R62	COORDINATE CONTROL SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS
R2A, R2B, R2C, R2D

STANDARD DRAWINGS

NUMBER

DESIGN CRITERIA

CLASS OF HIGHWAY	RURAL ARTERIAL
TYPE OF TERRAIN	MOUNTAINOUS
DESIGN SPEED	65 MPH
REQUIRED NPSD	N/A
REQUIRED PSD	N/A
LEVEL OF SERVICE	C
ADT PRESENT (2013)	3900
ADT FUTURE (2040)	5400
DHV	590
D %	0.54
T %	21

GEOGRAPHIC COORDINATES

LATITUDE 37 DEGREES 45 MINUTES 44 SECONDS NORTH
LONGITUDE 083 DEGREES 19 MINUTES 51 SECONDS WEST

DESIGNED

% RESTRICTED SD N/A
LEVEL OF SERVICE A
MAX. DISTANCE W/O PASSING N/A

MOUNTAIN PARKWAY	KY 205	CR 1226	KY 191
LENGTH <u>14707.17</u> LIN. FT. <u>2.785</u> MILES	LENGTH <u>2540.05</u> LIN. FT. <u>0.481</u> MILES	LENGTH <u>2895.88</u> LIN. FT. <u>0.548</u> MILES	LENGTH <u>340.28</u> LIN. FT. <u>0.064</u> MILES
ADDED [] FOR EQUALITIES _____ LIN. FT. NOT INCLUDED	ADDED [] FOR EQUALITIES _____ LIN. FT. NOT INCLUDED	ADDED [] FOR EQUALITIES _____ LIN. FT. NOT INCLUDED	ADDED [] FOR EQUALITIES _____ LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.
BRIDGES <u>551</u> _____ LIN. FT.	BRIDGES <u>105</u> _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.

RAMP A	RAMP B	RAMP C	RAMP D
LENGTH <u>1924.85</u> LIN. FT. <u>0.365</u> MILES	LENGTH <u>1313.77</u> LIN. FT. <u>0.249</u> MILES	LENGTH <u>2302.33</u> LIN. FT. <u>0.436</u> MILES	LENGTH <u>2097.38</u> LIN. FT. <u>0.397</u> MILES
ADDED [] FOR EQUALITIES _____ LIN. FT. NOT INCLUDED	ADDED [] FOR EQUALITIES _____ LIN. FT. NOT INCLUDED	ADDED [] FOR EQUALITIES _____ LIN. FT. NOT INCLUDED	ADDED [] FOR EQUALITIES _____ LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.
BRIDGES <u>235</u> _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES <u>165</u> _____ LIN. FT.

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTIES OF
WOLFE & MORGAN**

ITEM NO. 10-126.70
PROJECT NUMBER: FD52 1550 C121 E143
STP 0061 (049)
LETTING DATE: _____

RECOMMENDED BY: _____ PROJECT MANAGER DATE: _____
PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE: _____

H.W. Lochner, Inc.
1040 Monarch Street
Suite 300
Lexington, Kentucky 40513

LOCHNER

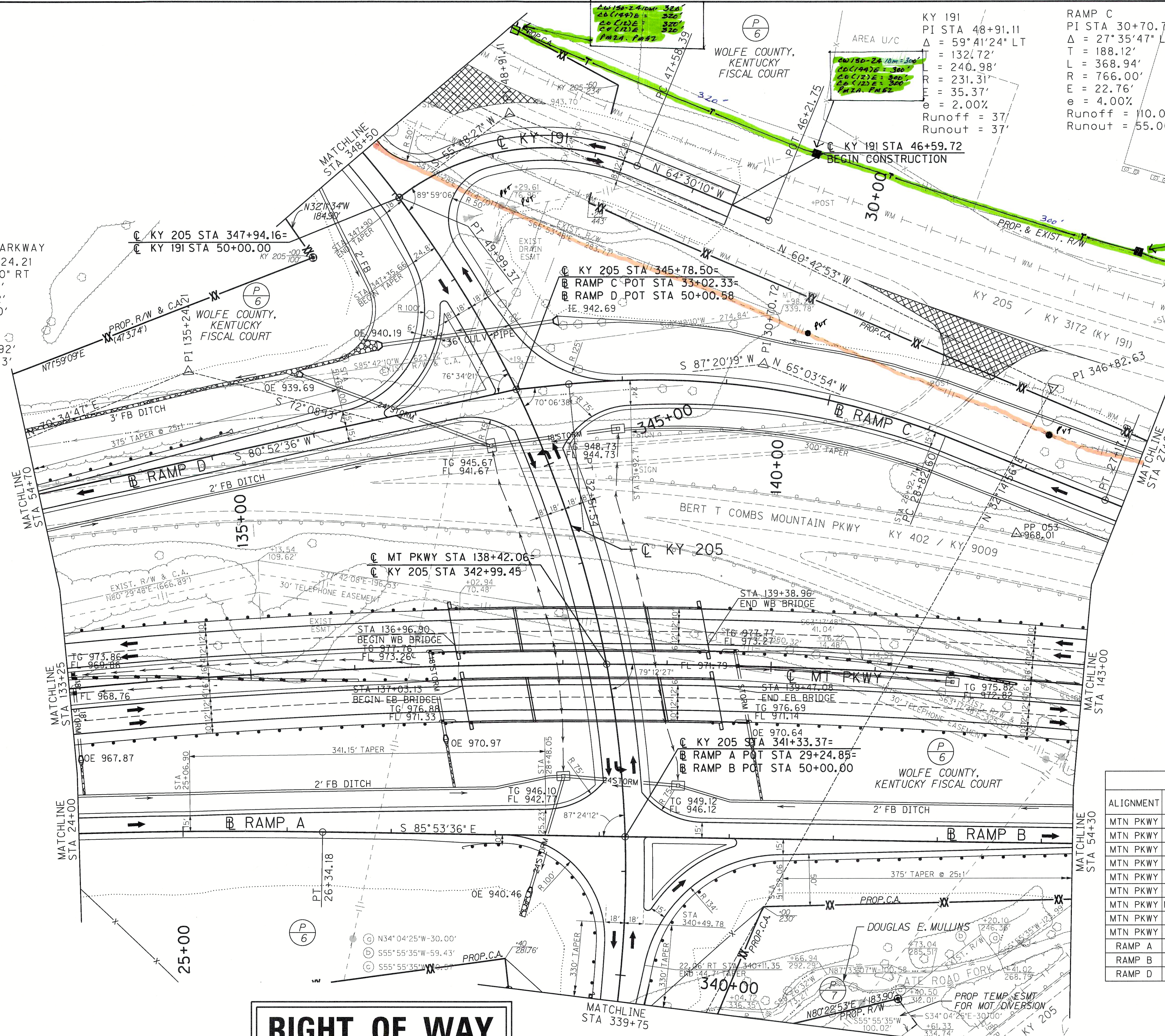
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 USER: bcoomes
 DATE PLOTTED: March 13, 2015
 E-SHEET NAME: ROD000LS
 MicroStation v8.11.3.357

KY 191
 PI STA 48+91.11
 $\Delta = 59^{\circ}41'24''$ LT
 $\Delta = 132.72'$
 $L = 240.98'$
 $T = 231.31'$
 $R = 35.37'$
 $e = 2.00\%$
 Runoff = 37'
 Runout = 37'

RAMP C
 PI STA 30+70.72
 $\Delta = 27^{\circ}35'47''$ LT
 $\Delta = 188.12'$
 $L = 368.94'$
 $R = 766.00'$
 $E = 22.76'$
 $e = 4.00\%$
 Runoff = 110.00'
 Runout = 55.00'

PI STA 346+82.63
 $\Delta = 92^{\circ}57'48''$ LT
 $T_s = 1194.95'$ 1218.78'
 $L_s = 154.00'$ 203.00'
 $L_c = 154.37'$
 $\theta_s = 4^{\circ}09'43''$ 5^{\circ}29'11''
 $LT = 102.70'$ 135.40'
 $ST = 51.36'$ 67.73'
 $R = 1060.00'$
 $E = 481.24'$
 $e = 6.00\%$
 Runoff = 154' 203'
 Runout = 52' 67.67'

MOUNTAIN PARKWAY
 PI STA 135+24.21
 $\Delta = 37^{\circ}17'00''$ RT
 $T = 1798.06'$
 $L = 3468.32'$
 $R = 5330.00'$
 $E = 295.12'$
 $e = 3.41\%$
 Runoff = 192'
 Runout = 113'



DITCH CONSTRUCTION					
RT/ LT	ALIGNMENT	STA TO STA	SIZE/TYPE	CHANNEL LINING	
				TYPE	DEPTH QUANTITY
LT	RAMP A	24+00 TO 28+55	2' FB	ECB	3.5' -
LT	RAMP B	50+50 TO 54+30	2' FB	ECB	1.5' -
RT	RAMP C	24+12 TO 27+00	2' FB	CLASS IV	2.0' -
LT	RAMP D	50+37 TO 54+70	2' FB	ECB	1.5' -

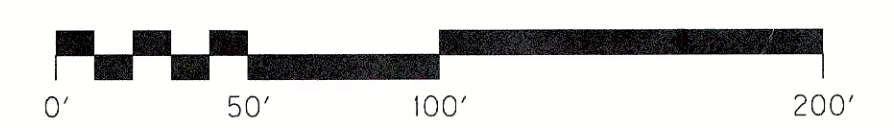
DITCH CONSTRUCTION					
RT/ LT	ALIGNMENT	STA TO STA	SIZE/TYPE	CHANNEL LINING	
				TYPE	DEPTH QUANTITY
RT	KY 205	341+80 TO 343+00	2' FB	ECB	1.5' -
LT	KY 205	342+00 TO 343+23	2' FB	ECB	1.5' -
RT	KY 205	343+00 TO 345+05	2' FB	ECB	2.0' -
LT	KY 205	343+23 TO 345+37	2' FB	ECB	1.5' -
LT	KY 205	346+84 TO 348+50	3' FB	ECB	3.5' -

FENCE CONSTRUCTION LT @		
STA TO STA	TYPE	LENGTH (FT)
RAMP D 54+70 TO KY 205 348+50	WOVEN WIRE FENCE TY I	355
157+57 TO RAMP C 27+00	WOVEN WIRE FENCE TY I	658

FENCE CONSTRUCTION RT @		
STA TO STA	TYPE	LENGTH (FT)
RAMP A 24+00 TO KY 205 339+75	WOVEN WIRE FENCE TY I	505
KY 205 339+75 TO RAMP B 54+30	WOVEN WIRE FENCE TY I	280

GUARDRAIL CONSTRUCTION				
ALIGNMENT	STA TO STA	LENGTH	SINGLE/DOUBLE FACE	END TREATMENT
MTN PKWY	LT 133+25 to 136+76.45	355.05	SINGLE	(I) BR. END CONN. TY A
MTN PKWY	LT 139+46.95 to 143+00	356.63	SINGLE	(I) BR. END CONN. TY A
MTN PKWY	MED 136+58.18 to 136+82.63	25	SINGLE	(I) BR. END CONN. TY A, (I) T.S. 1
MTN PKWY	MED 139+55.77 to 140+55.18	100	SINGLE	(I) BR. END CONN. TY A
MTN PKWY	MED 140+55.18 to 141+92.36	137.5	DOUBLE	(I) C.C. TY IX-A, (I) T.S. 1
MTN PKWY	MED 133+25 to 136+07.06	277.9	DOUBLE	(I) T.S. 1
MTN PKWY	MED 136+07.06 to 136+86.77	84.62	SINGLE	(I) BR. END CONN. TY A
MTN PKWY	RT 133+25 to 136+92.97	364.24	SINGLE	(I) BR. END CONN. TY A
MTN PKWY	RT 139+69.87 to 143+00	326.78	SINGLE	(I) BR. END CONN. TY A
RAMP A	RT 27+69.23 to 339+75	198.90	SINGLE	(I) TY 4A
RAMP B	RT 339+86.53 to 54+30	478.02	SINGLE	-
RAMP D	RT 52+81.43 to 54+70	138.72	SINGLE	(I) TY 1

RIGHT OF WAY PLANS

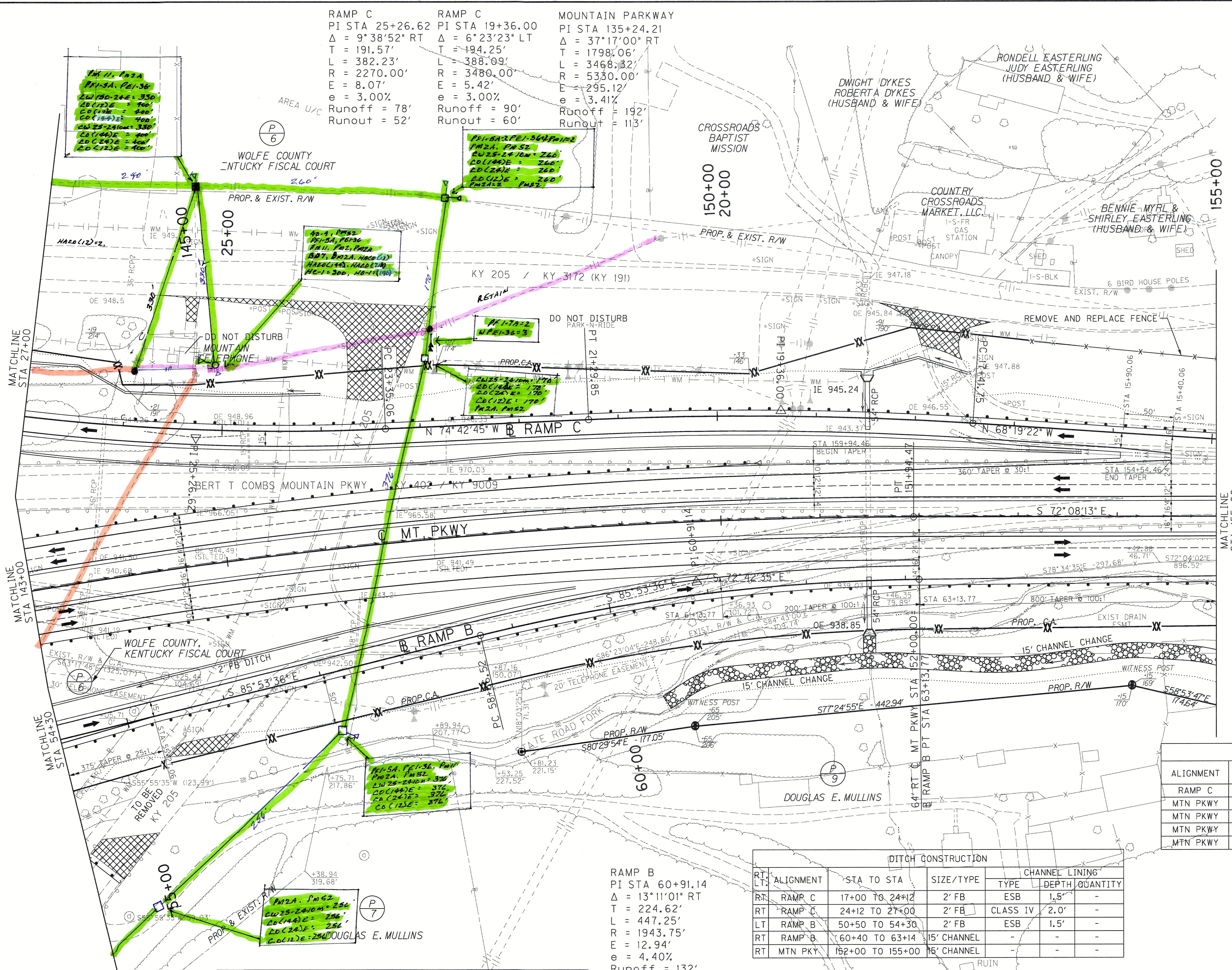


MT PKWY PLAN SHEET
 STA 133+25 TO STA 143+00

SCALE: 1" = 50'

FILE NAME: I:\EX\PR\00008298\DESIGN\PLAN SET\ROI400PL.DGN
 USER: nposton
 DATE PLOTTED: March 13, 2015
 E-SHEET NAME: ROI400PL
 MicroStation v8.11.9.459

FILE NAME: I:\NEX\PRJ\00008298\DESIGN\PLAN SET\VR02000PL.DGN
 USER: mposton
 DATE PLOTTED: March 13, 2015
 E-SHEET NAME: R02000PL
 MicroStation v8.11.9.459



STA TO STA	TYPE	LENGTH (FT)
RAMP C 25+00 TO 155+00	WOVEN WIRE FENCE TY 1	1223

RAMP B
 PI STA 60+91.14
 $\Delta = 13^\circ 11' 01''$ RT
 T = 224.62'
 L = 447.25'
 R = 1943.75'
 E = 12.94'
 e = 4.40%
 Runoff = 132'
 Runout = 60'

RT/LT	ALIGNMENT	STA TO STA	SIZE/TYPE	CHANNEL LINING	
				TYPE	DEPTH QUANTITY
RT	RAMP C	17+00 TO 24+12	2' FB	ESB	1.5'
RT	RAMP C	24+12 TO 27+00	2' FB	CLASS IV	2.0'
LT	RAMP B	50+50 TO 54+30	2' FB	ESB	1.5'
RT	RAMP B	60+40 TO 63+14	15' CHANNEL	-	-
RT	MTN PKY	152+00 TO 155+00	15' CHANNEL	-	-

STA TO STA	TYPE	LENGTH (FT)
RAMP B 54+30 TO 155+00	WOVEN WIRE FENCE TY 1	1172

ALIGNMENT	STA TO STA	LENGTH	SINGLE/DOUBLE FACE	END TREATMENT
RAMP C	RT 14+95.95 to 26+00	1104.02	SINGLE	(1) T.S. 1
MTN PKWY	LT 143+00 to 150+48.29	755.87	SINGLE	(1) E.T. TY. 1
MTN PKWY	RT 143+00 to 146+39.15	335.72	SINGLE	(1) T.S. 1
MTN PKWY	RT 143+04.66 to 155+00	1182.91	SINGLE	-
MTN PKWY	RT 143+13 to 143+39.82	37.5	SINGLE	(2) T.S. 1

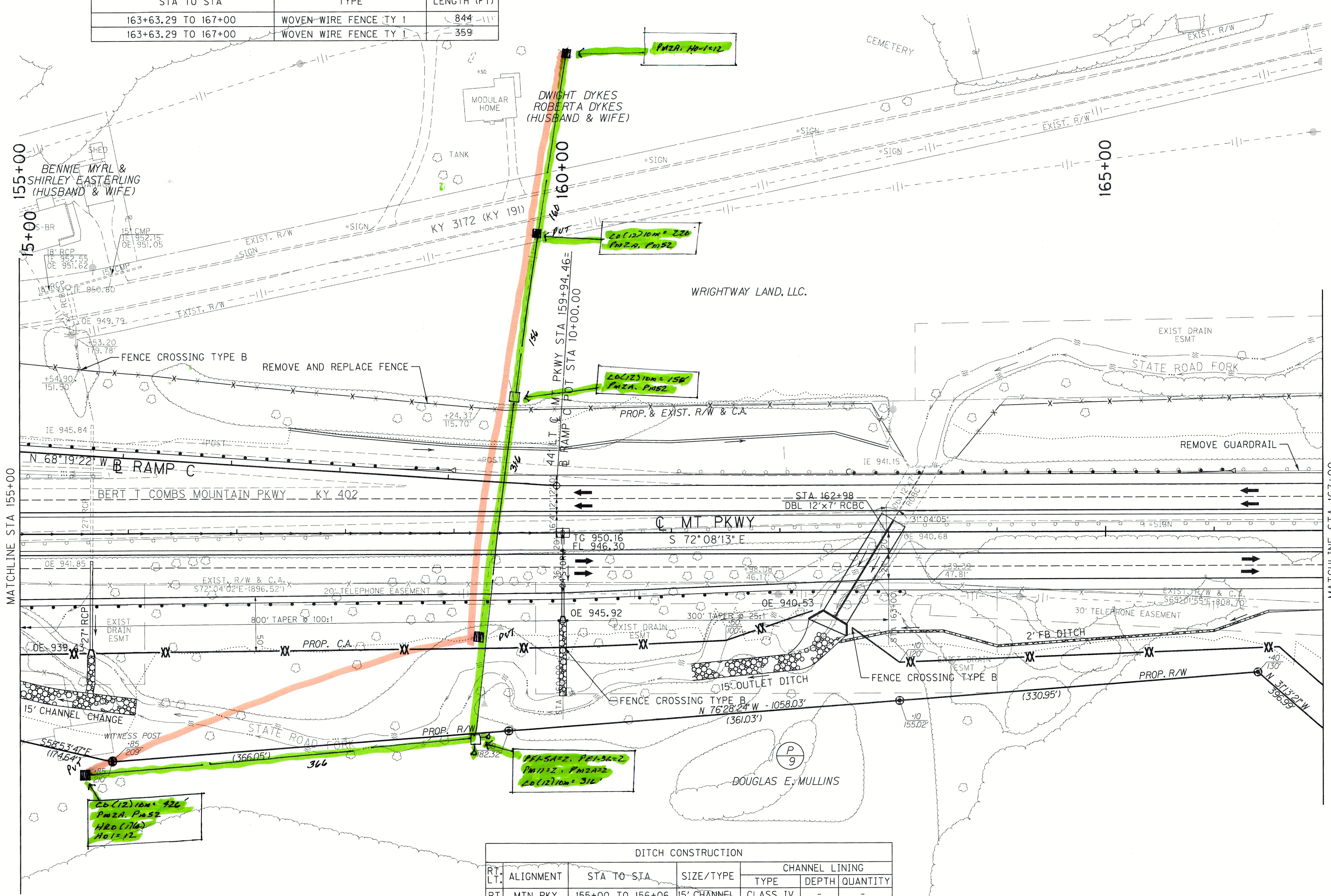
RIGHT OF WAY PLANS



MT PKWY PLAN SHEET
 STA 143+00 TO STA 155+00

SCALE: 1" = 50'

FENCE CONSTRUCTION LT ☉		
STA TO STA	TYPE	LENGTH (FT)
163+63.29 TO 167+00	WOVEN WIRE FENCE TY I	844
163+63.29 TO 167+00	WOVEN WIRE FENCE TY I	359



FENCE CONSTRUCTION RT ☉		
STA TO STA	TYPE	LENGTH (FT)
155+00 TO 162+30.15	WOVEN WIRE FENCE TY I	735
162+66.12 TO 167+00	WOVEN WIRE FENCE TY I	457

GUARDRAIL CONSTRUCTION				
ALIGNMENT	STA TO STA	LENGTH	SINGLE/DOUBLE FACE	END TREATMENT
RAMP C	RT 11+50 to 14+95.95	345.95	SINGLE	(I) TY I
MTN PKWY	RT 155+00 to 163+12.82	813.01	SINGLE	(I) T.S. 1
MTN PKWY	LT 162+63.63 to 166+13.59	300	SINGLE	(I) TY I (I) T.S. 1

DITCH CONSTRUCTION						
RT/LT	ALIGNMENT	STA TO STA	SIZE/TYPE	CHANNEL LINING		
				TYPE	DEPTH	QUANTITY
RT	MTN PKY	155+00 TO 156+06	15' CHANNEL	CLASS IV	-	-
RT	MTN PKY	162+65 TO 167+00	2' FB	CLASS IV	1.5'	-
LT	RAMP C	10+00 TO 12+50	-	ECB	-	-
LT	MTN PKY	159+94 TO 163+01	-	ECB	-	-

DITCH CONSTRUCTION ☉					
STA TO STA	SIZE/TYPE	CHANNEL LINING			
		TYPE	DEPTH	QUANTITY	
☉ 155+00 to 159+93.8	TYP RDWY				
☉ 160+06.2 to 167+00	TYP RDWY				
RT 155+00 to 156+06	15' CHAN				
RT 162+58 to 166+50	2' FB				
RT 166+50 to 167+00	TYP RDWY				

RIGHT OF WAY PLANS



MT PKWY PLAN SHEET
STA 155+00 TO STA 167+00

SCALE: 1"= 50'

FILE NAME: I:\LEX\PRJ\0008298\DESIGN\PLAN SET\VR02400PL.DGN
 USER: nposton
 DATE PLOTTED: March 13, 2015
 E-SHEET NAME: R02400PL
 MicroStation v8.11.9.459

POLES PER MILE = 2

GUARDRAIL CONSTRUCTION				
ALIGNMENT	STA TO STA	LENGTH	SINGLE/DOUBLE FACE	END TREATMENT
MTN PKWY	LT 227+00 TO 239+00	1172.31	SINGLE	-
CR-1226	RT 34+73.31 TO 37+49.34	175	SINGLE	(2) TYPE 7
CR-1226	RT 39+48.39 TO 40+70	48.19	SINGLE	(1) TYPE 7

MOUNTAIN PARKWAY
 PI STA 237+19.76
 $\Delta = 66^{\circ}03'26''$ LT
 $T_s = 1622.48'$ 1661.42'
 $L_s = 200.00'$ 280.00'
 $L_c = 2457.83'$
 $\theta_s = 2^{\circ}26'55''$ $3^{\circ}25'41''$
 $LT = 133.35'$ 186.70'
 $ST = 66.68'$ 93.37'
 $R = 2340.00'$
 $E = 364.47'$
 $e = 6.68\%$
 Runoff = 280'
 Runout = 84'

FILE NAME: I:\LEX\PRJ\0000828\DESIGN\PLAN SET\RD3700PL.DGN

USER: jhercovius
 DATE PLOTTED: March 13, 2015

E-SHEET NAME: RD3700PL

MicroStation v8.11.7.443

PI STA 29+31.53 $\Delta = 14^{\circ}12'04''$ LT $T = 170.53'$ $L = 339.31'$ $R = 1369.00'$ $E = 10.58'$ $e = RC$ Runoff = N/A Runout = N/A	PI STA 35+36.45 $\Delta = 14^{\circ}22'54''$ LT $T = 234.54'$ $L = 466.62'$ $R = 1859.00'$ $E = 14.74'$ $e = RC$ Runoff = N/A Runout = N/A
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RT/LT	ALIGNMENT	STA TO STA	SIZE/TYPE	CHANNEL LINING		
				TYPE	DEPTH	QUANTITY
RT	MTN PKY	227+00 TO 229+50	ROCK DITCH	-	-	-
RT	MTN PKY	229+58 TO 239+00	ROCK DITCH	-	-	-

FENCE CONSTRUCTION LT @		
STA TO STA	TYPE	LENGTH (FT)
227+00 TO 239+00	WOVEN WIRE FENCE TY 1	1156

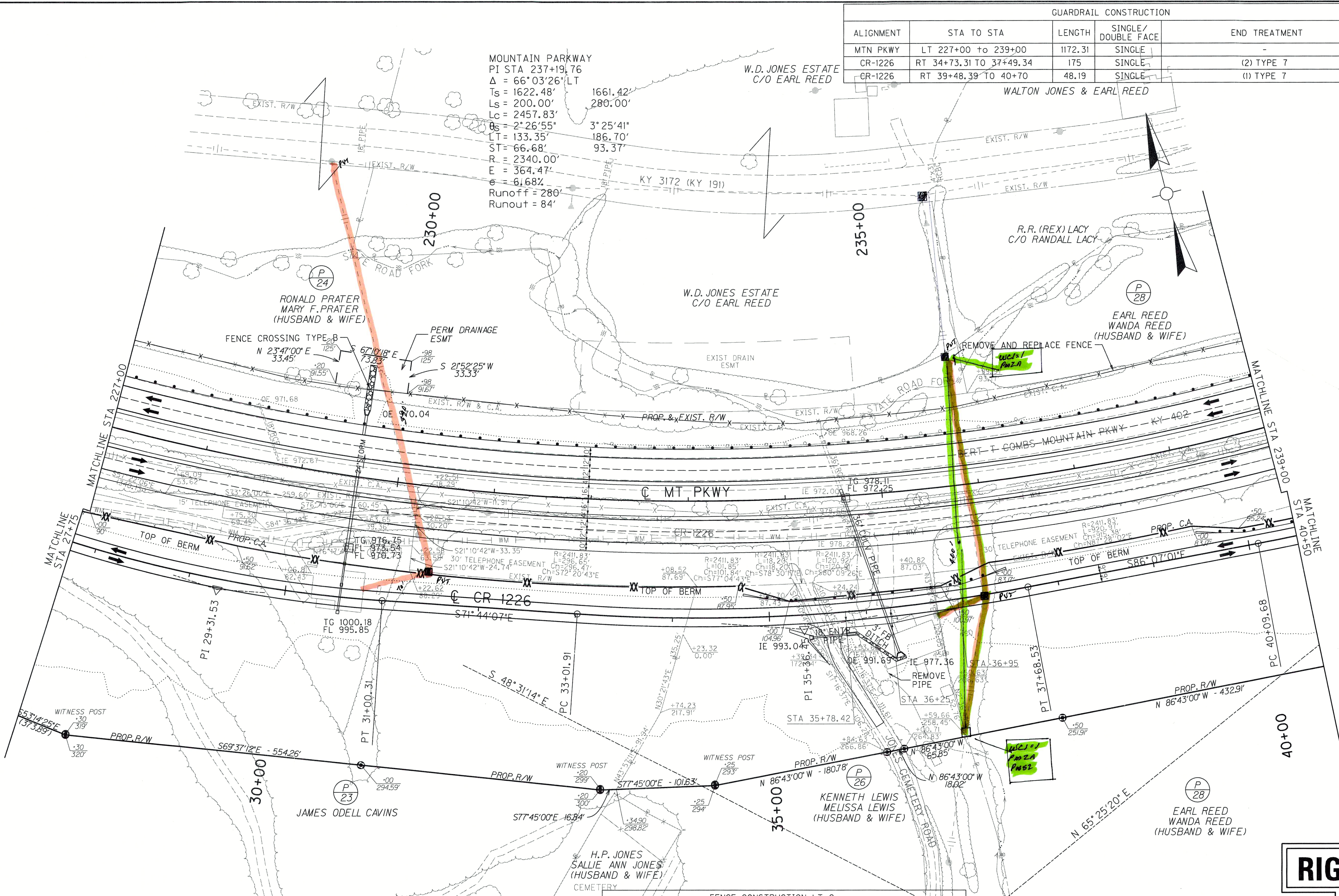
FENCE CONSTRUCTION RT @		
STA TO STA	TYPE	LENGTH (FT)
CR 1226 27+75 TO CR 1226 40+70	WOVEN WIRE FENCE TY 1	1260

RIGHT OF WAY PLANS



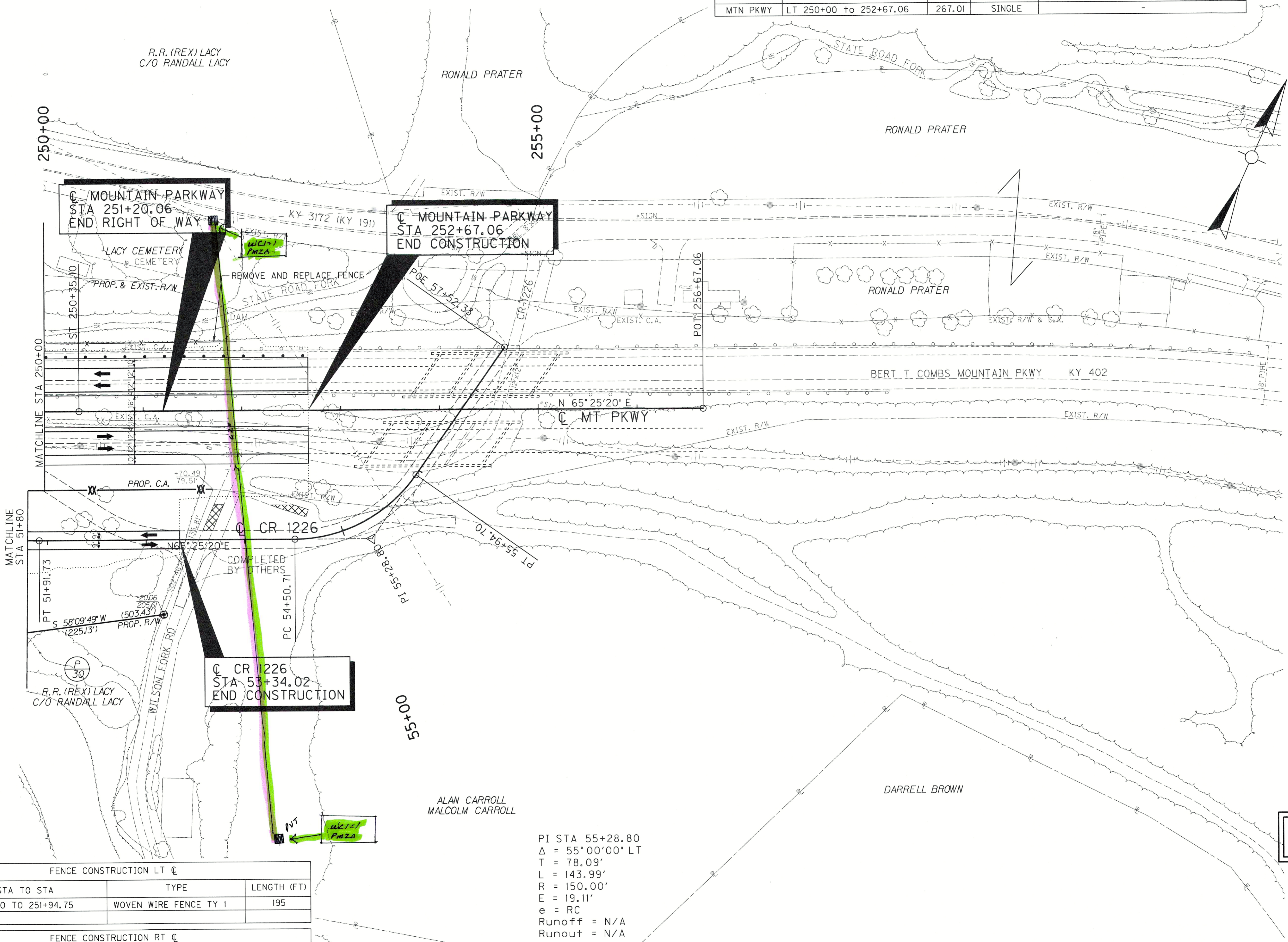
MT PKWY PLAN SHEET
 STA 227+00 TO STA 239+00
 CR 1226 STA 27+75 TO STA 40+50

SCALE: 1" = 50'



POLES PRIVATE = 7

GUARDRAIL CONSTRUCTION				
ALIGNMENT	STA TO STA	LENGTH	SINGLE/DOUBLE FACE	END TREATMENT
MTN PKWY	LT 250+00 to 252+67.06	267.01	SINGLE	-



POLES PRIVATE 1

RIGHT OF WAY PLANS



MT PKWY PLAN SHEET
 STA 250+00 TO STA 252+67.06
 CR 1226 STA 51+80 TO STA 53+41.09

SCALE: 1" = 50'

PI STA 55+28.80
 $\Delta = 55^{\circ}00'00''$ LT
 T = 78.09'
 L = 143.99'
 R = 150.00'
 E = 19.11'
 e = RC
 Runoff = N/A
 Runout = N/A

FENCE CONSTRUCTION LT @		
STA TO STA	TYPE	LENGTH (FT)
250+00 TO 251+94.75	WOVEN WIRE FENCE TY 1	195

FENCE CONSTRUCTION RT @		
STA TO STA	TYPE	LENGTH (FT)
250+00 TO 251+70.49	WOVEN WIRE FENCE TY 1	171

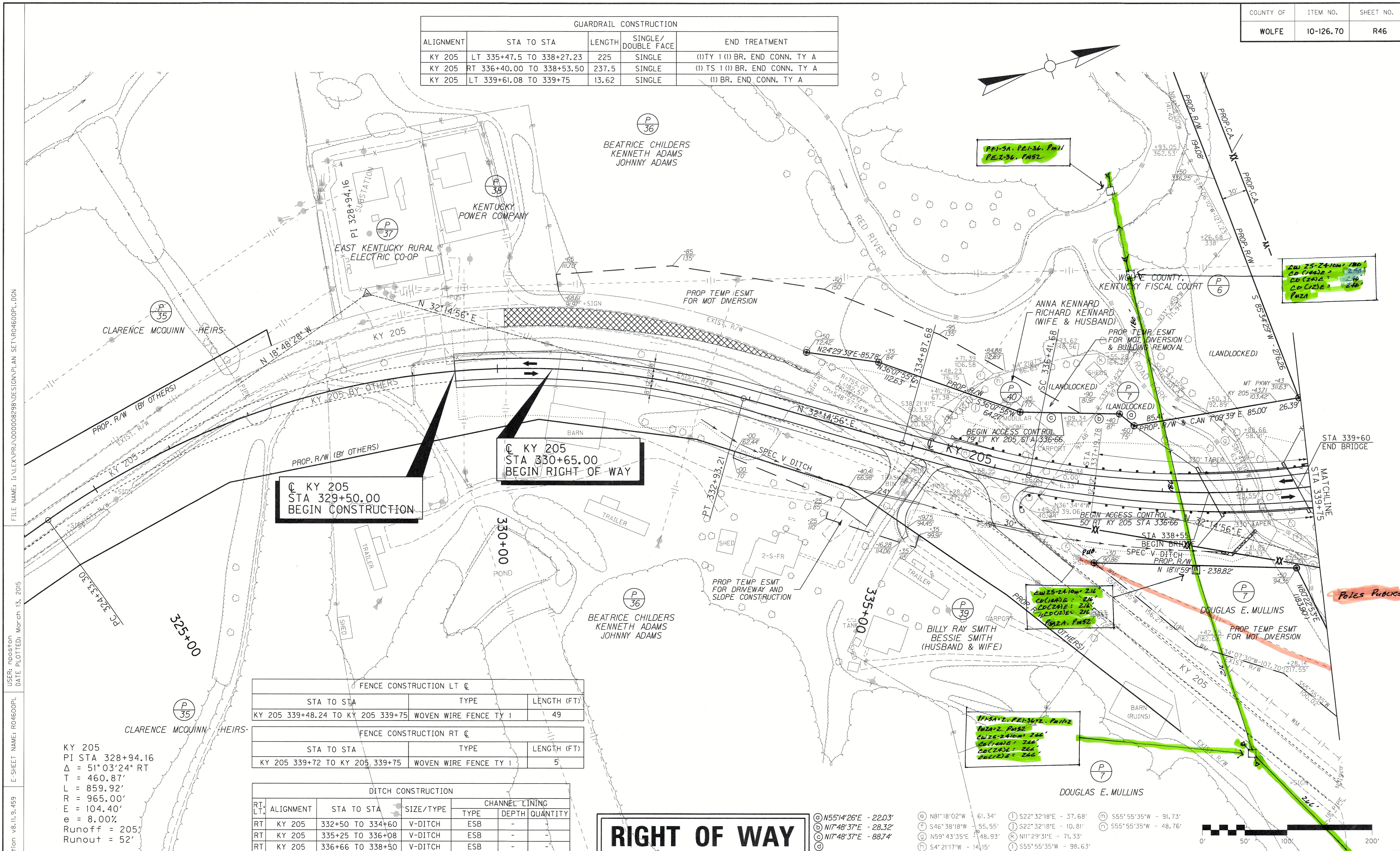
FILE NAME: I:\LEX\PRJ\000008298\DESIGN\PLAN SET\RD4300PL.DGN

USER: nposton
 DATE PLOTTED: March 13, 2015

E-SHEET NAME: RD4300PL

MicroStation v8.11.9.459

GUARDRAIL CONSTRUCTION				
ALIGNMENT	STA TO STA	LENGTH	SINGLE/DOUBLE FACE	END TREATMENT
KY 205	LT 335+47.5 TO 338+27.23	225	SINGLE	(I)TY I (I) BR. END CONN. TY A
KY 205	RT 336+40.00 TO 338+53.50	237.5	SINGLE	(I) TS I (I) BR. END CONN. TY A
KY 205	LT 339+61.08 TO 339+75	13.62	SINGLE	(I) BR. END CONN. TY A



Q KY 205
STA 329+50.00
BEGIN CONSTRUCTION

Q KY 205
STA 330+65.00
BEGIN RIGHT OF WAY

FENCE CONSTRUCTION LT Q			
STA TO STA	TYPE	LENGTH (FT)	
KY 205 339+48.24 TO KY 205 339+75	WOVEN WIRE FENCE TY I	49	

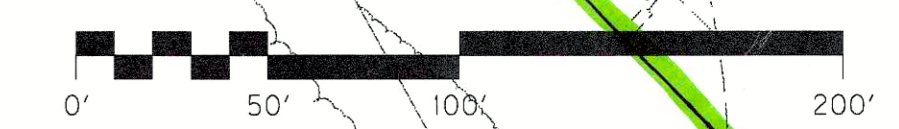
FENCE CONSTRUCTION RT Q			
STA TO STA	TYPE	LENGTH (FT)	
KY 205 339+72 TO KY 205 339+75	WOVEN WIRE FENCE TY I	5	

DITCH CONSTRUCTION						
RT/LT	ALIGNMENT	STA TO STA	SIZE/TYPE	CHANNEL LINING		
				TYPE	DEPTH	QUANTITY
RT	KY 205	332+50 TO 334+60	V-DITCH	ESB	-	-
RT	KY 205	335+25 TO 336+08	V-DITCH	ESB	-	-
RT	KY 205	336+66 TO 338+50	V-DITCH	ESB	-	-
RT	KY 205	338+50 TO 339+07	3' FB	-	-	-

KY 205
PI STA 328+94.16
Δ = 51°03'24" RT
T = 460.87'
L = 859.92'
R = 965.00'
e = 104.40'
e = 8.00%
Runoff = 205'
Runout = 52'

RIGHT OF WAY PLANS

- Ⓞ N55°14'26"E - 22.03'
- Ⓞ N17°48'37"E - 28.32'
- Ⓞ N17°48'37"E - 88.74'
- Ⓞ N81°18'02"W - 61.34'
- Ⓞ S46°38'18"W - 55.55'
- Ⓞ N59°43'35"E - 48.93'
- Ⓞ S4°21'17"W - 14.15'
- Ⓞ S22°32'18"E - 37.68'
- Ⓞ S22°32'18"E - 10.81'
- Ⓞ N11°29'31"E - 71.33'
- Ⓞ S55°55'35"W - 91.73'
- Ⓞ S55°55'35"W - 48.76'
- Ⓞ S55°55'35"W - 98.63'

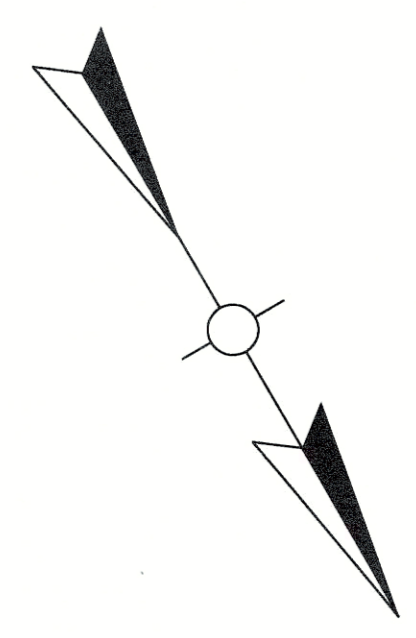


KY 205 PLAN SHEET
STA 329+50 TO STA 339+75

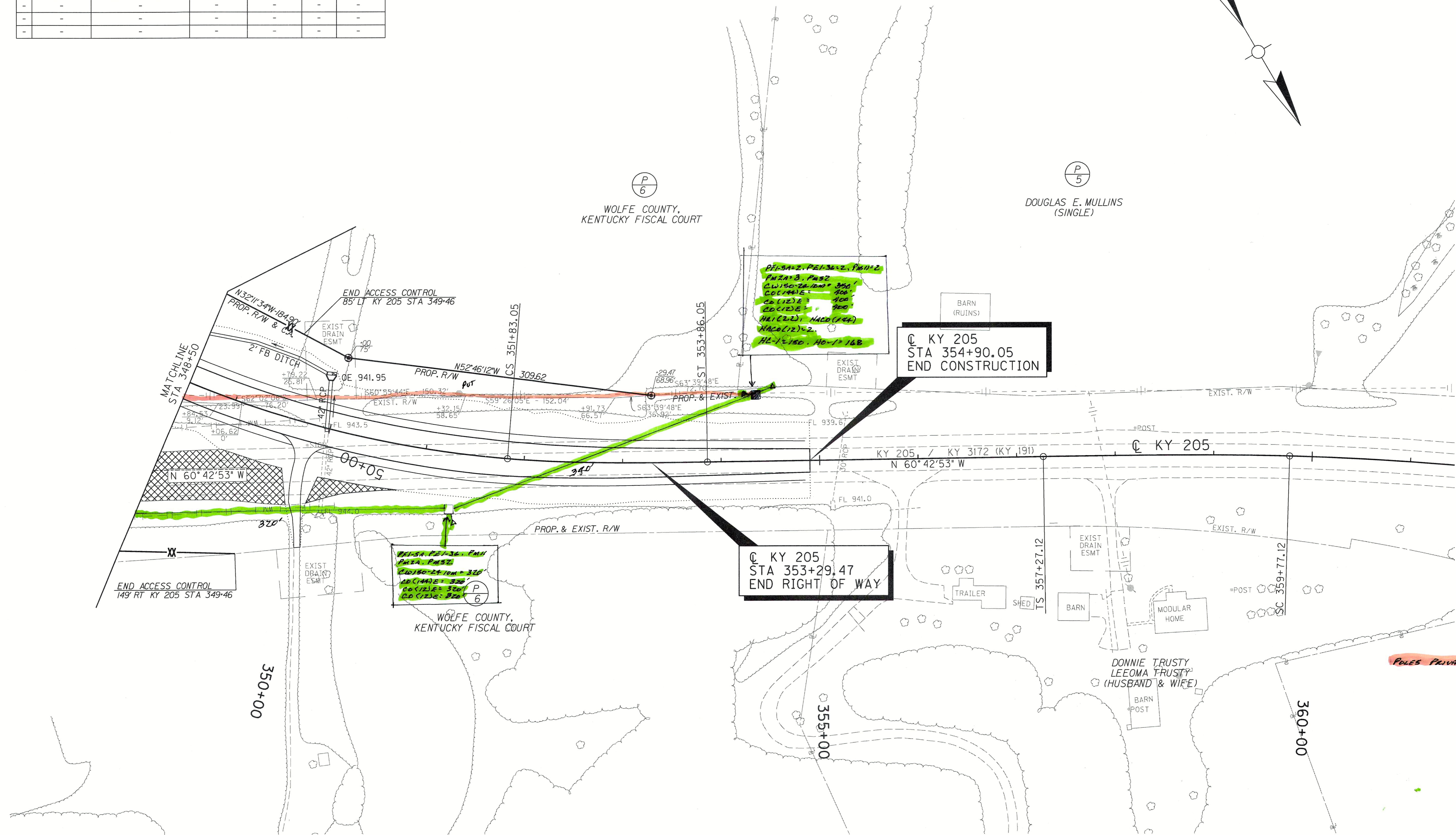
SCALE: 1" = 50'

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 USER: nposton
 DATE PLOTTED: March 13, 2015
 E-SHEET NAME: R04600PL
 MicroStation v8.11.9.459

DITCH CONSTRUCTION						
RT. LT.	ALIGNMENT	STA TO STA	SIZE/TYPE	CHANNEL LINING		
				TYPE	DEPTH	QUANTITY
RT	KY 205	348+50 TO 349+82	3' FB	ESB	2'	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-



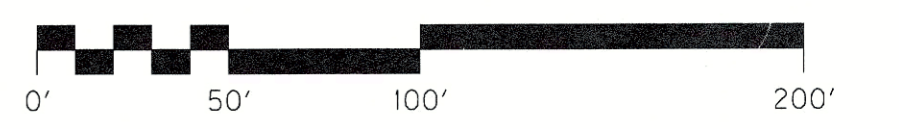
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 USER: bcoomes
 DATE PLOTTED: March 13, 2015
 E-SHEET NAME: R04800PL
 MicroStation v8.11.9.357



KY 205
 STA 354+90.05
 END CONSTRUCTION

KY 205
 STA 353+29.47
 END RIGHT OF WAY

RIGHT OF WAY PLANS



KY 205 PLAN SHEET
 STA 348+50 TO STA 354+90.05

SCALE: 1"= 50'

FENCE CONSTRUCTION LT C		
STA TO STA	TYPE	LENGTH (FT)
KY 205 348+50 TO KY 205 349+46	WOVEN WIRE FENCE TY 1	89