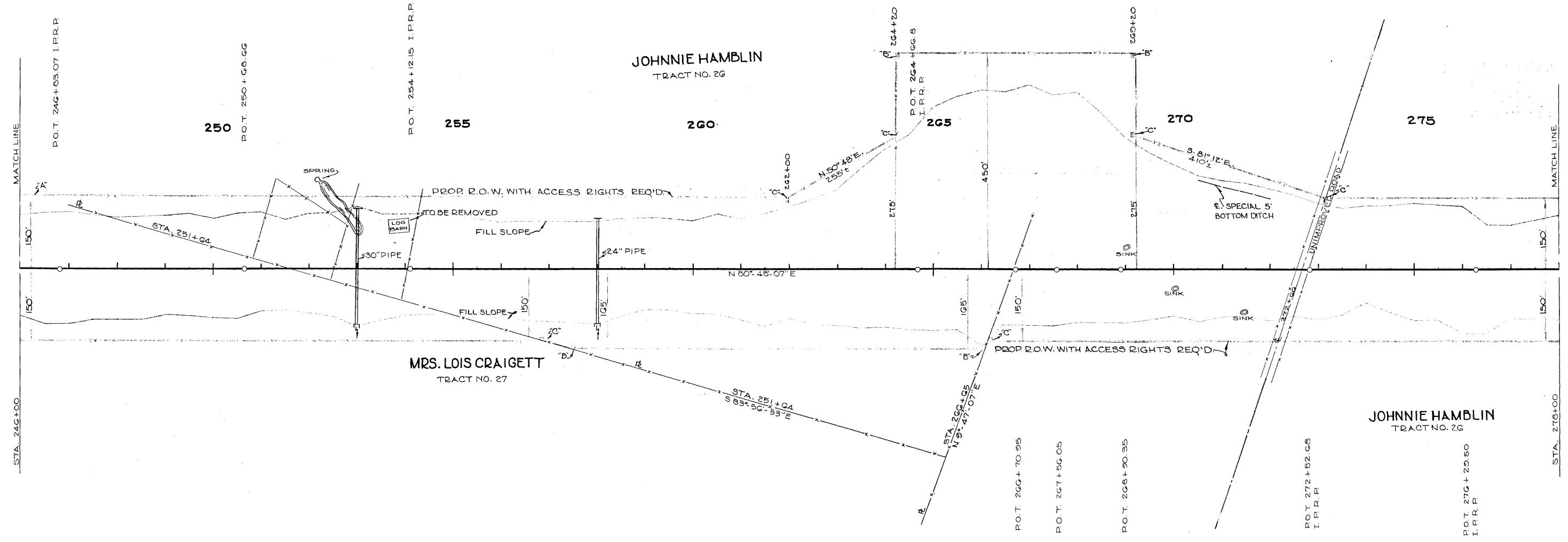


FED. ROAD DIST. NO.	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	I-40-5(14)221 CONST.	62	15	219

FED. ROAD DIST. NO.	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	I-40-5(13)221 R.O.W.	62	15	43

REVISED: 5 JAN. 1962 WESTBOUND WEIGHING STATION ADDED.
R.O.W. TAKEN FOR TRACT #20 CHANGED.
REVISED: 29 JUNE 1962; TRACT NO. 28 DELETED.



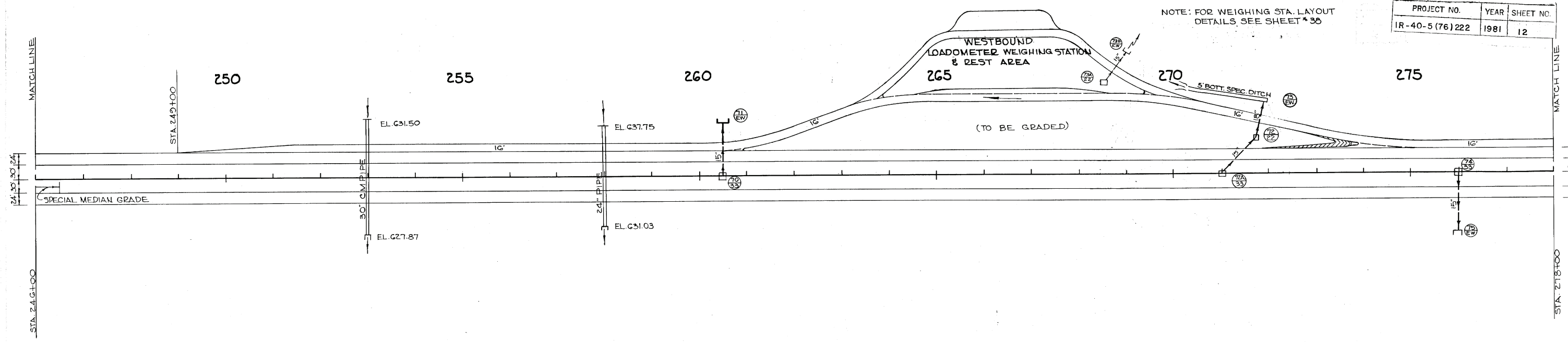
MORTIMER

PRESENT LAYOUT
 STA. 246+00 TO STA. 276+00
 SCALE 1" = 100'

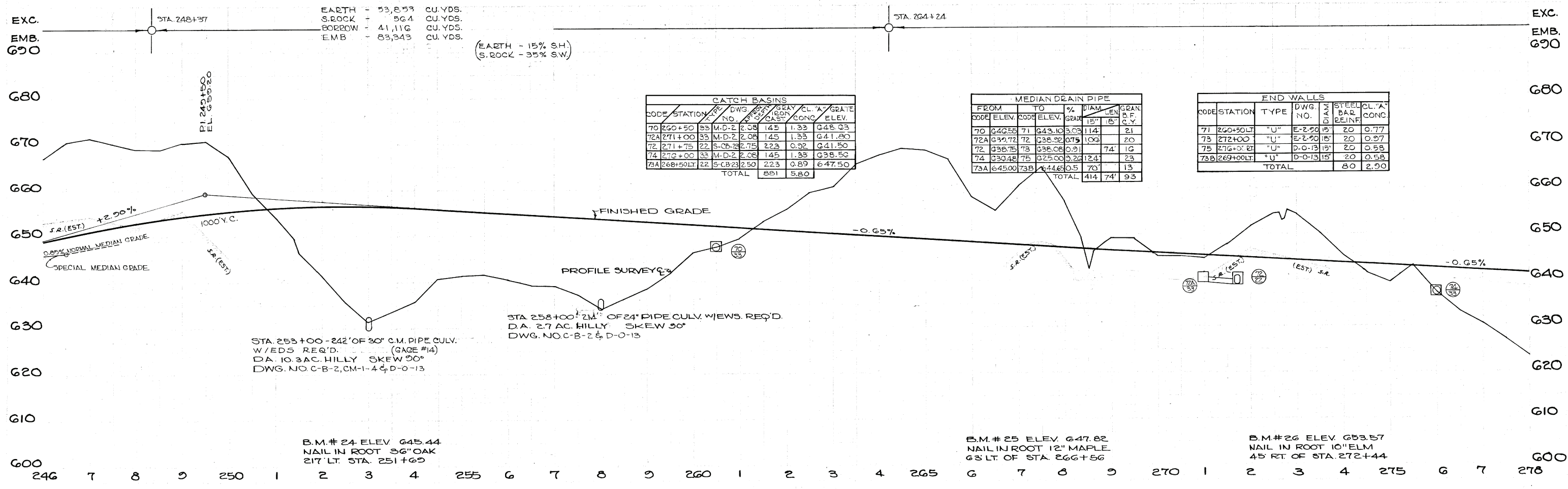
PROJ. NO.	1-40-5(14)221	CONSTR.	G2	30	217
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REVISED: 5 JAN 1982 WESTBOUND WEIGHING STATION ADDED

PROJECT NO.	YEAR	SHEET NO.
IR-40-5(76)222	1981	12



PROPOSED LAYOUT OF IMPROVEMENT
STA. 246+00 TO STA. 278+00



EXC.	EMB.	690
EARTH	53,853	CU. YDS.
S. ROCK	56.4	CU. YDS.
BORROW	41,116	CU. YDS.
EMB.	83,343	CU. YDS.

(EARTH - 15% S.H.)
(S. ROCK - 35% S.W.)

CATCH BASINS						
CODE	STATION	DWG. NO.	CONC.	CL. "A"	GRATE	ELEV.
70	260+50	33 M-D-2	2.08	145	1.33	648.93
72A	271+00	33 M-D-2	2.08	145	1.33	641.80
72	271+75	22 S-CB-23	2.75	223	0.92	641.50
74	272+00	33 M-D-2	2.08	145	1.33	638.50
73A	268+50	22 S-CB-23	2.50	223	0.89	647.50
TOTAL			881	5.80		

MEDIAN DRAIN PIPE						
FROM CODE	TO CODE	FROM ELEV.	TO ELEV.	% GRADE	DIAM. 15" / 18"	GRAN. D.F. C.Y.
70	71	640.58	643.10	3.03	114	21
72A	72	639.72	638.92	0.75	106	20
72	73	638.75	638.08	0.91	74	16
74	75	638.48	625.00	5.26	124	23
73A	73B	645.00	644.65	0.5	70	13
TOTAL			414	74'	93	

END WALLS						
CODE	STATION	TYPE	DWG. NO.	STEEL BAR REINF.	CL. "A" CONC.	ELEV.
71	260+50	"U"	E-2-20	15'	20	0.77
73	272+00	"U"	E-2-20	15'	20	0.97
75	272+00	"U"	D-0-13	15'	20	0.58
73B	269+00	"U"	D-0-13	15'	20	0.58
TOTAL				80	2.90	

STA. 253+00 - 242' OF 30" C.M. PIPE CULV. W/EDS REQ'D. (GAGE #14)
D.A. 10.3 AC. HILLY SKEW 30°
DWG. NO. C-B-2, CM-1-4 & D-0-13

STA. 258+00 - 214' OF 24" PIPE CULV. W/EDS REQ'D.
D.A. 2.7 AC. HILLY SKEW 30°
DWG. NO. C-B-2 & D-0-13

B.M.# 25 ELEV. 647.82
NAIL IN ROOT 12" MAPLE
63' LT. OF STA. 266+56

B.M.# 26 ELEV. 653.57
NAIL IN ROOT 10" ELM
45' RT. OF STA. 272+44

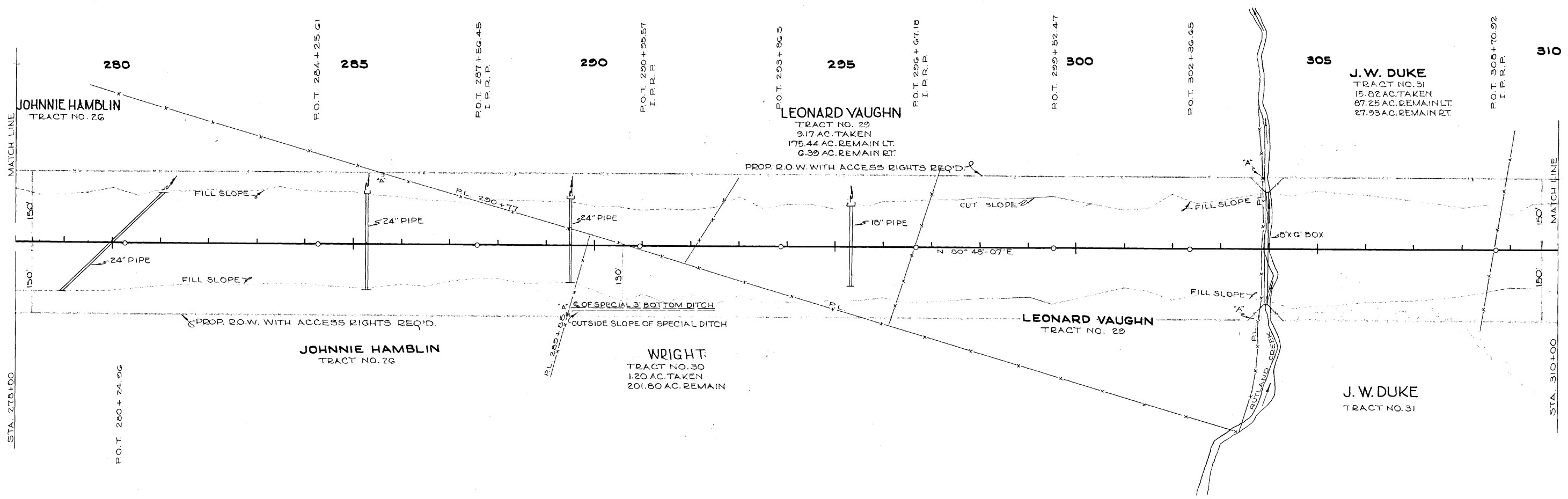
B.M.# 24 ELEV. 645.44
NAIL IN ROOT 36" OAK
217' LT. STA. 251+60

I-40-5(13)221
 REVISED: 21 JUNE 1962; PROPERTY
 OWNED CHANGED FOR TRACT NO. 30.
 REVISED: 29 JUNE 1962; TRACT NO. 28
 DELETED.

FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	E-40-5(13)221	1962	10	45
R.O.W.				

REVISED: 5 JAN. 1962 WESTBOUND
 WEIGHING STATION ADDED.

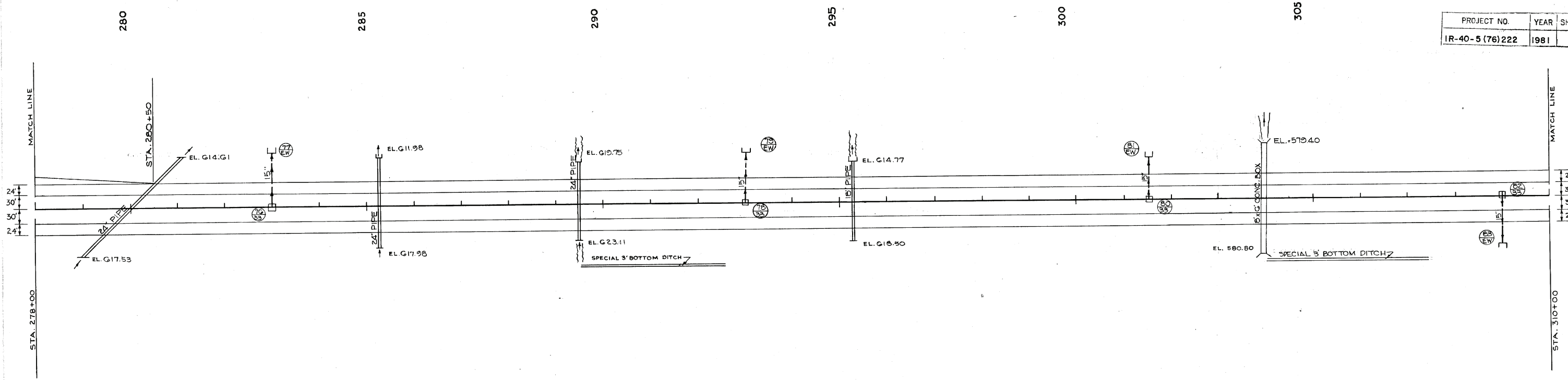
FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	I-40-5(13)221	1962	16	219
CONST.				



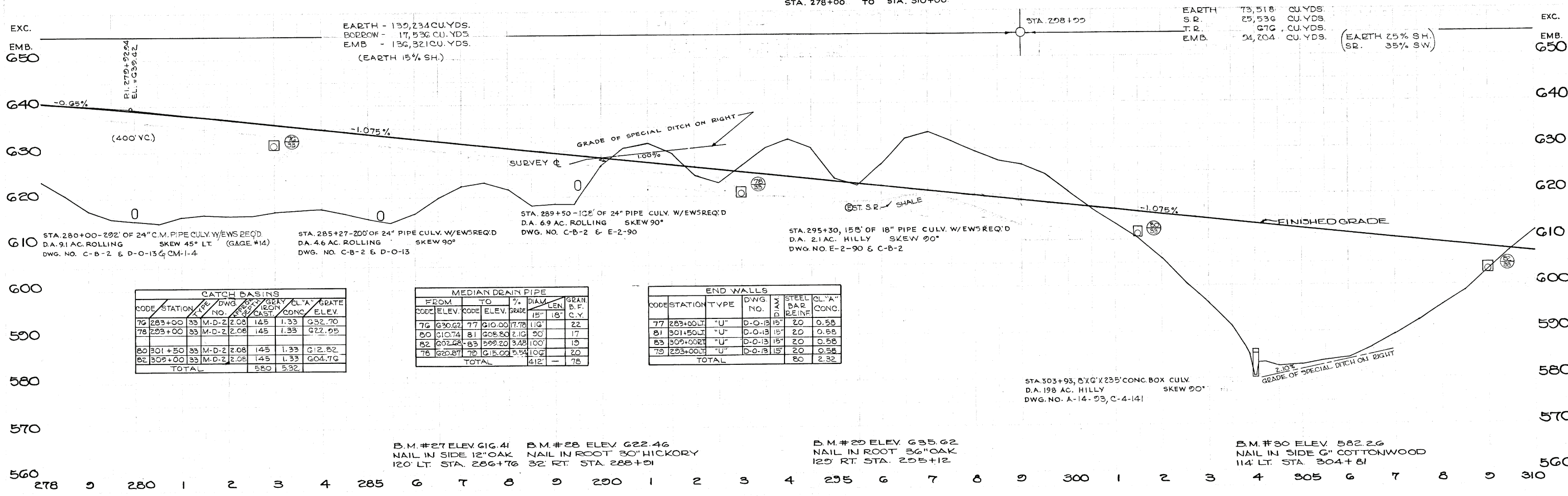
PRESENT LAYOUT
 STA. 278+00 TO STA. 310+00
 SCALE 1"=100'

278+00
 280+00
 282+00
 284+00
 286+00
 288+00
 290+00
 292+00
 294+00
 296+00
 298+00
 300+00
 302+00
 304+00
 306+00
 308+00
 310+00

PROJECT NO.	YEAR	SHEET NO.
IR-40-5 (76) 222	1981	13



PROPOSED LAYOUT OF IMPROVEMENT
 STA. 278+00 TO STA. 310+00



CATCH BASINS							
CODE	STATION	NO.	DWG. NO.	CONC.	CL. 'A'	GRATE ELEV.	
76	283+00	33	M-D-2	2.08	1.45	1.33	G32.70
78	293+00	33	M-D-2	2.08	1.45	1.33	G22.95
80	301+50	33	M-D-2	2.08	1.45	1.33	G12.82
82	309+00	33	M-D-2	2.08	1.45	1.33	G04.76
TOTAL				580	5.32		

MEDIAN DRAIN PIPE						
FROM CODE	TO CODE	% GRADE	DIAM. 15"	LEN. 18"	GRAIN S.F. C.Y.	
76	G30.67	77	G10.00	17.78	116	22
80	G10.74	81	G08.80	2.10	90	17
82	G02.68	83	G09.20	3.48	100	19
78	G20.87	79	G15.00	5.87	106	20
TOTAL				412		78

END WALLS							
CODE	STATION	TYPE	DWG. NO.	STEEL BAR REINF.	CL. 'A' CONC.		
77	283+00	LT	"U"	D-0-13	15'	20	0.58
81	301+50	LT	"U"	D-0-13	15'	20	0.58
83	309+00	RT	"U"	D-0-13	15'	20	0.58
79	293+00	LT	"U"	D-0-13	15'	20	0.58
TOTAL						80	2.32

B.M. #27 ELEV. G16.41
 NAIL IN SIDE 12" OAK
 120' LT. STA. 286+76

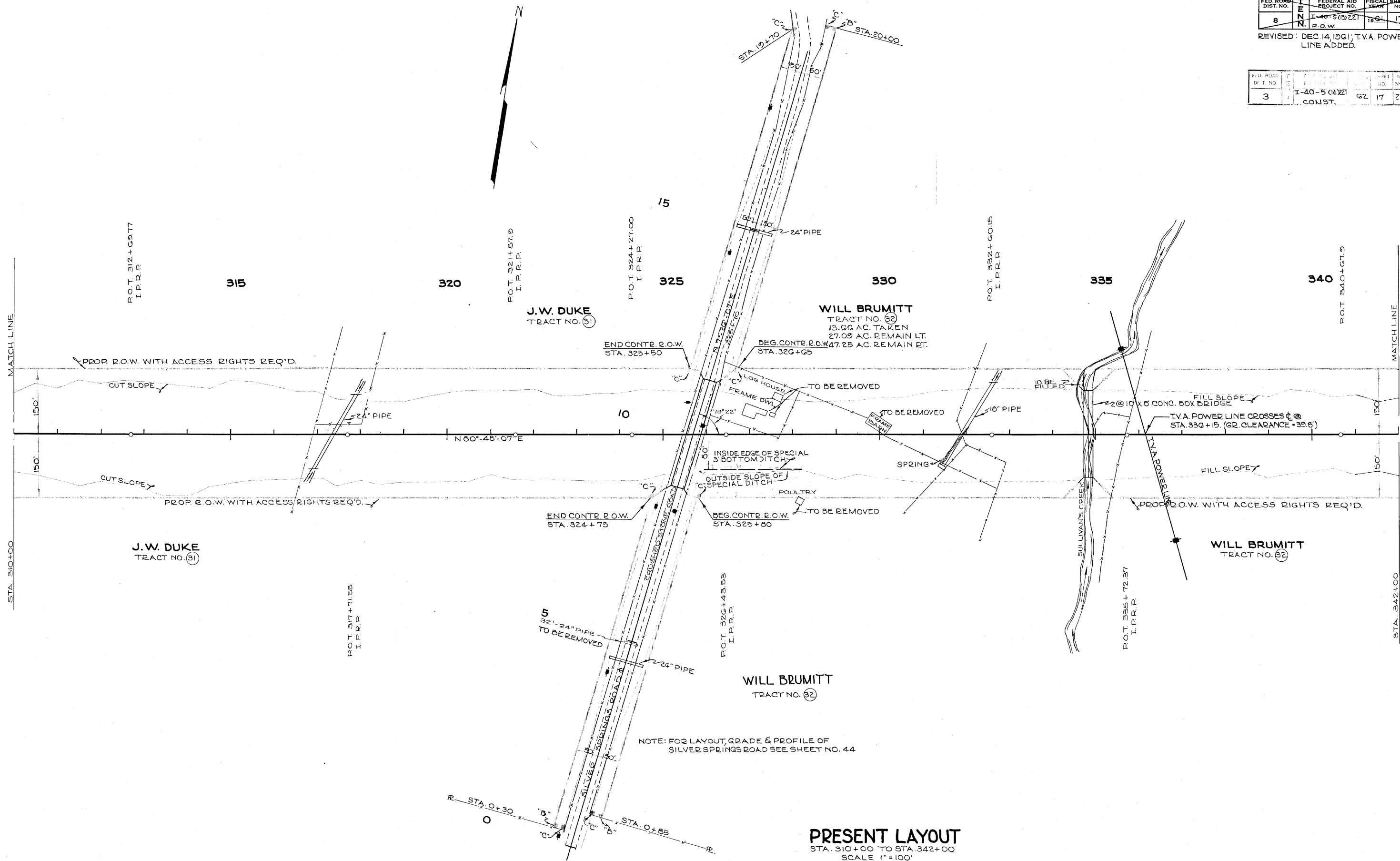
B.M. #28 ELEV. G22.46
 NAIL IN ROOT 30" HICKORY
 32' RT. STA. 288+01

B.M. #30 ELEV. 582.26
 NAIL IN SIDE 6" COTTONWOOD
 114' LT. STA. 304+81

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	N	I-40-5 (1) 221	1962	17	45
R.O.W.					

REVISED: DEC. 14, 1961; T.V.A. POWER LINE ADDED.

FED. ROAD DIST. NO.	T E N	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5 (4) 221	62	17	259
CONST.					



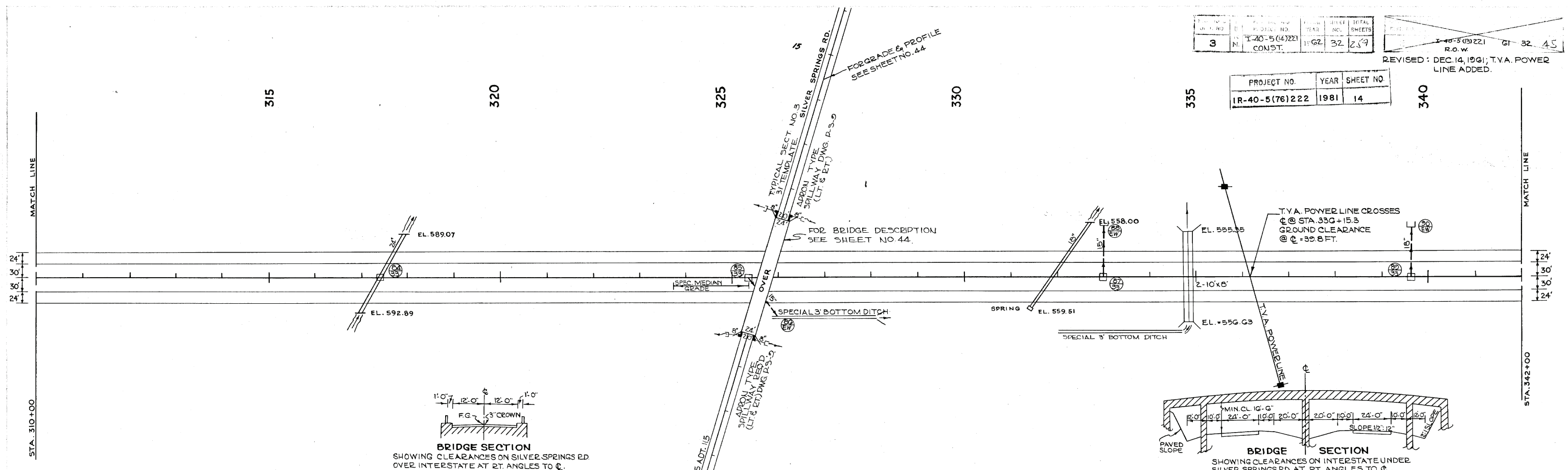
NOTE: FOR LAYOUT, GRADE & PROFILE OF SILVER SPRINGS ROAD SEE SHEET NO. 44

PRESENT LAYOUT
 STA. 310+00 TO STA. 342+00
 SCALE 1" = 100'

PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
1R-40-5(76)222	1981	14	32

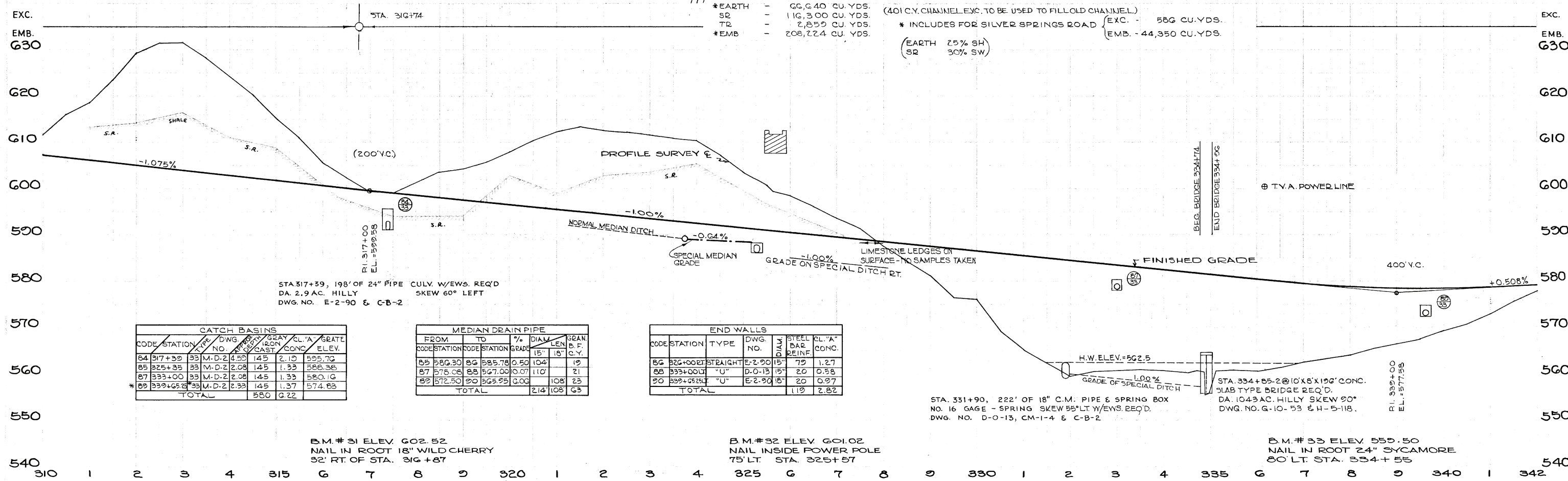
PROJECT NO.	YEAR	SHEET NO.
1R-40-5(76)222	1981	14

REVISED: DEC. 14, 1981; T.V.A. POWER LINE ADDED.



PROPOSED LAYOUT OF IMPROVEMENT
STA. 310+00 TO STA. 342+00

* EARTH	-	66,640 CU. YDS.	(401 C.Y. CHANNEL EXC. TO BE USED TO FILL OLD CHANNEL.)	
SR	-	116,300 CU. YDS.		
TR	-	2,859 CU. YDS.		
* EMB	-	208,724 CU. YDS.		
			* INCLUDES FOR SILVER SPRINGS ROAD	EXC. - 586 CU. YDS.
			(EARTH 25% SH)	EMB. - 44,350 CU. YDS.
			SR 30% SW)	



CATCH BASINS						
CODE	STATION	TYPE	DWG. NO.	SPAN (FT.)	CL. 'A' CONC.	GRATE ELEV.
84	317+39	M-D-2	4.59	145	2.10	595.70
85	325+35	M-D-2	2.08	145	1.33	586.38
87	333+00	M-D-2	2.08	145	1.33	580.10
88	339+65	M-D-2	2.33	145	1.37	574.83
TOTAL				580	G.22	

MEDIAN DRAIN PIPE						
FROM CODE	TO CODE	STATION	% GRADE	DIA. (IN)	SPAN (FT.)	
85	86	318.30	0.50	104	19	
87	88	326.08	0.07	110	21	
89	90	332.30	0.03	108	23	
TOTAL				214	108	G3

END WALLS					
CODE	STATION	TYPE	DWG. NO.	DIA. (IN)	CL. 'A' CONC.
86	320+00	STRAIGHT	E-2-90	15	1.27
88	333+00	"U"	D-0-13	15	0.58
90	339+65	"U"	E-2-90	18	0.97
TOTAL				119	2.82

B.M.#31 ELEV. 602.52
NAIL IN ROOT 18" WILD CHERRY
32' RT. OF STA. 316+87

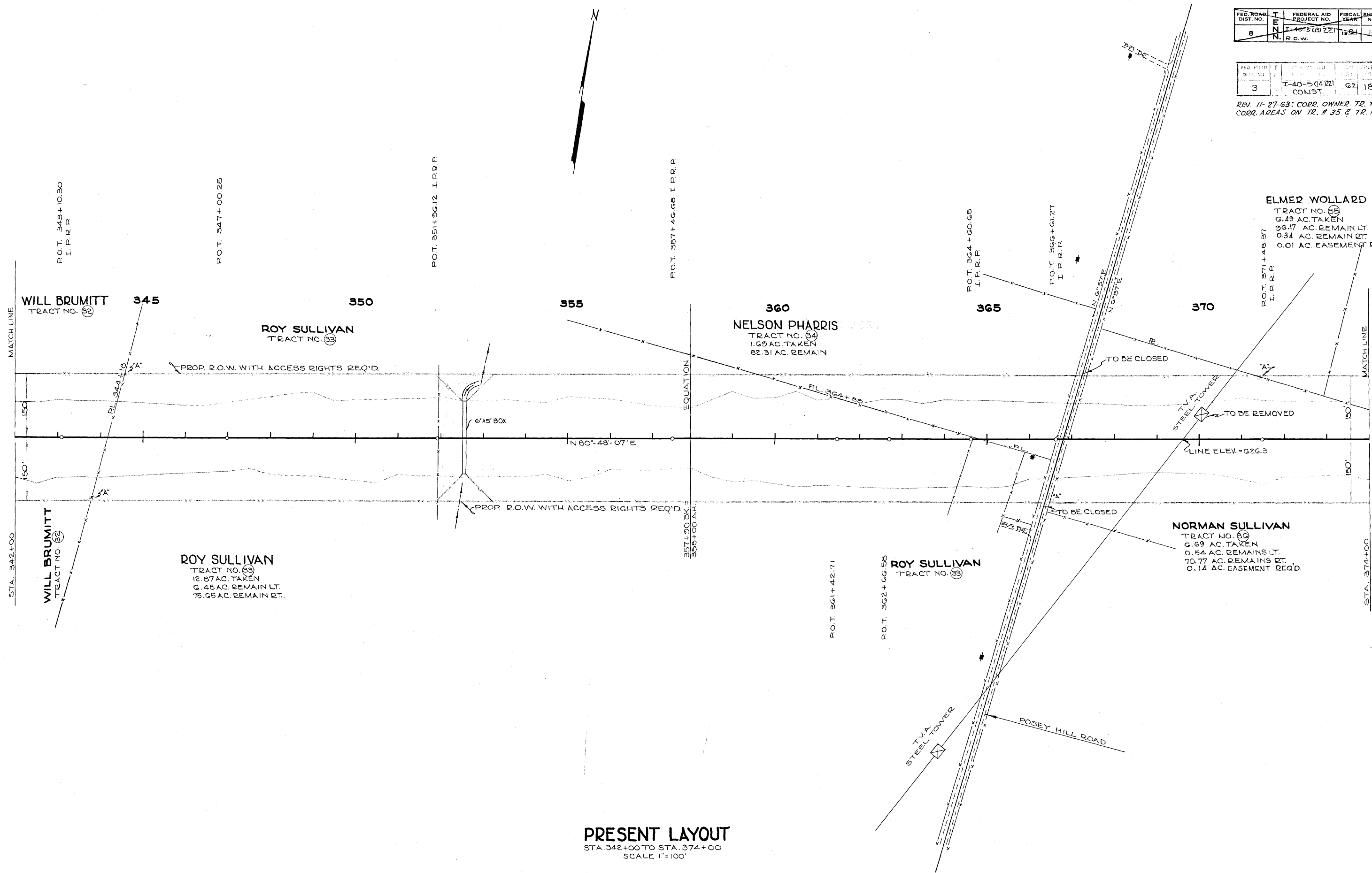
B.M.#32 ELEV. 601.02
NAIL INSIDE POWER POLE
75' LT. STA. 325+57

B.M.#33 ELEV. 555.50
NAIL IN ROOT 24" SYCAMORE
80' LT. STA. 334+55

FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	I-40-5(13) 221	1961	10	45
	N.R.O.W.			

FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	I-40-5(14) 221	1961	18	217
	CONST.			

REV. 11-27-63: CORR. OWNER TR. # 35;
CORR. AREAS ON TR. # 35 & TR. # 36.



PRESENT LAYOUT
STA. 342+00 TO STA. 374+00
SCALE 1"=100'

11/11
DIN

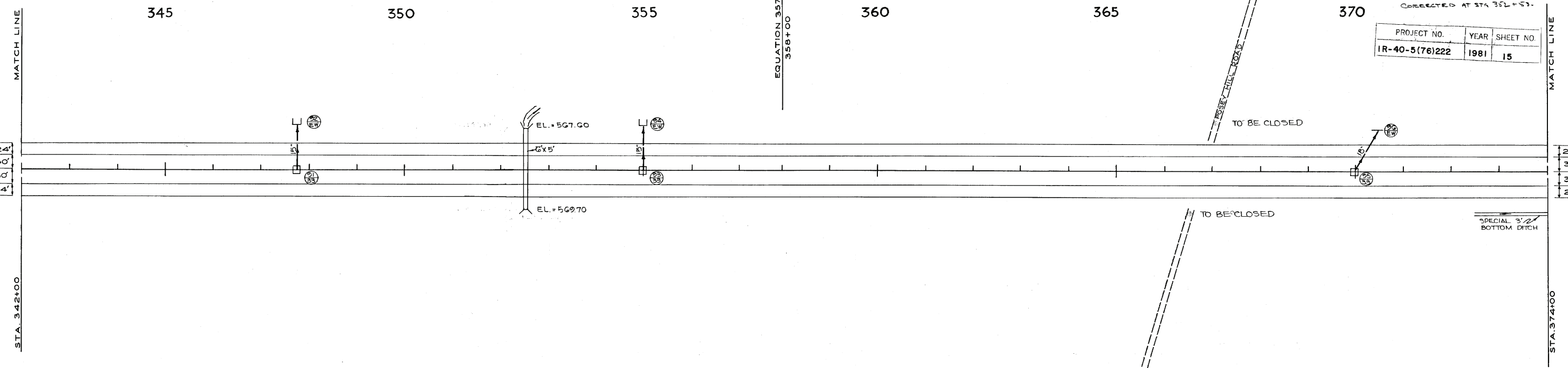
601

I-40-5(76)221 G1 33 15
R.O.W.

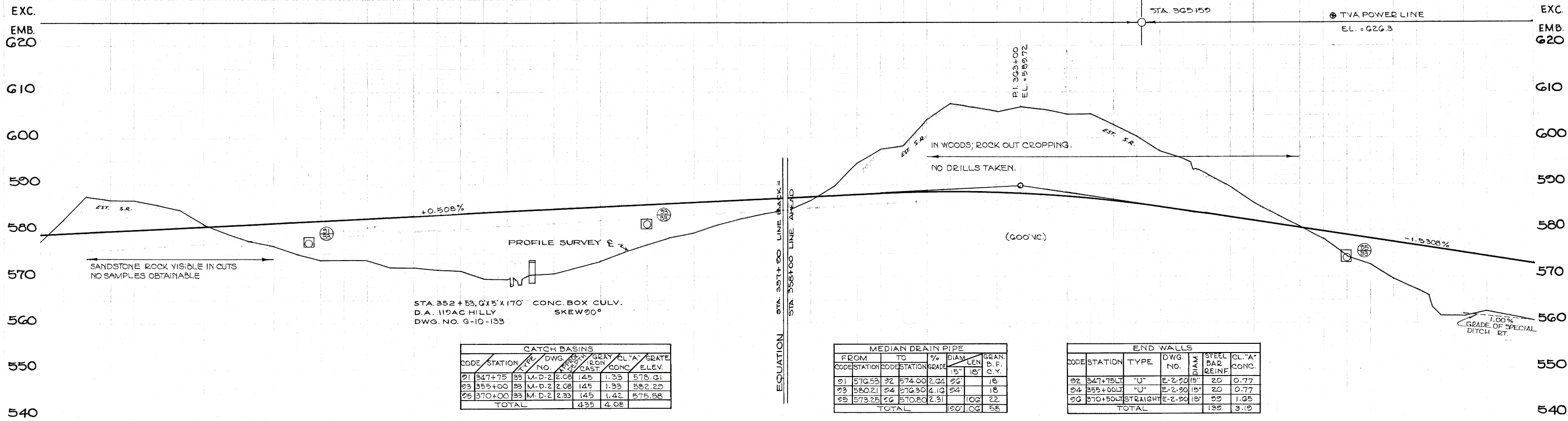
FED. AID DIST. NO.	STATE DIST. NO.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	I-40-5(76)221	CONJST.	G2 33	259

REVISED: 17 NOV. 1962 DRAINAGE AREA COLLECTED AT STA 352+53.

PROJECT NO.	YEAR	SHEET NO.
IR-40-5(76)222	1981	15



PROPOSED LAYOUT OF IMPROVEMENT
STA. 342+00 TO STA. 374+00



STA. 352+53, 6x5'x170' CONC. BOX CULV.
D.A. 110 AC HILLY SKEW 90°
DWG. NO. G-10-133

CATCH BASINS						
CODE	STATION	TYPE	DWG. NO.	IRON CAST	CL. "A" CONC.	GRATE ELEV.
01	347+75	M-D-2	2.08	145	1.33	578.01
02	355+00	M-D-2	2.08	145	1.33	582.20
03	370+00	M-D-2	2.33	145	1.42	575.58
TOTAL				435	4.08	

MEDIAN DRAIN PIPE							
FROM CODE	TO CODE	STATION	STATION	% GRADE	DIAM.	GRAN. B.F. C.Y.	
01	02	347.53	357.00	2.02	24"	18	
02	03	357.00	370.00	4.10	24"	18	
03	04	370.00	374.00	2.31	10"	22	
TOTAL					120'	102	58

END WALLS						
CODE	STATION	TYPE	DWG. NO.	DIAM.	STEEL BAR REINF.	CL. "A" CONC.
02	347+75	"U"	E-2-50	15"	20	0.77
04	355+00	"U"	E-2-50	15"	20	0.77
06	370+50	STRAIGHT	E-2-50	15"	20	1.05
TOTAL					130	3.49

B.M. # 34 ELEV 587.03
SPIKE IN ROOT 18" WILD CHERRY
42' RT. STA. 343+92

B.M. # 35 ELEV 573.38
NAIL IN SIDE 18" HACKBERRY
108' RT. STA. 351+91

B.M. # 36 ELEV 583.88
NAIL IN SIDE 24" TWIN WALNUT
73' LT. STA. 357+05

B.M. # 37 ELEV 600.27
NAIL IN SIDE POWER POLE
36' RT. STA. 366+01

342 3 4 345 6 7 8 9 350 1 2 3 4 355 6 7 8 9 360 1 2 3 4 365 6 7 8 9 370 1 2 3 374

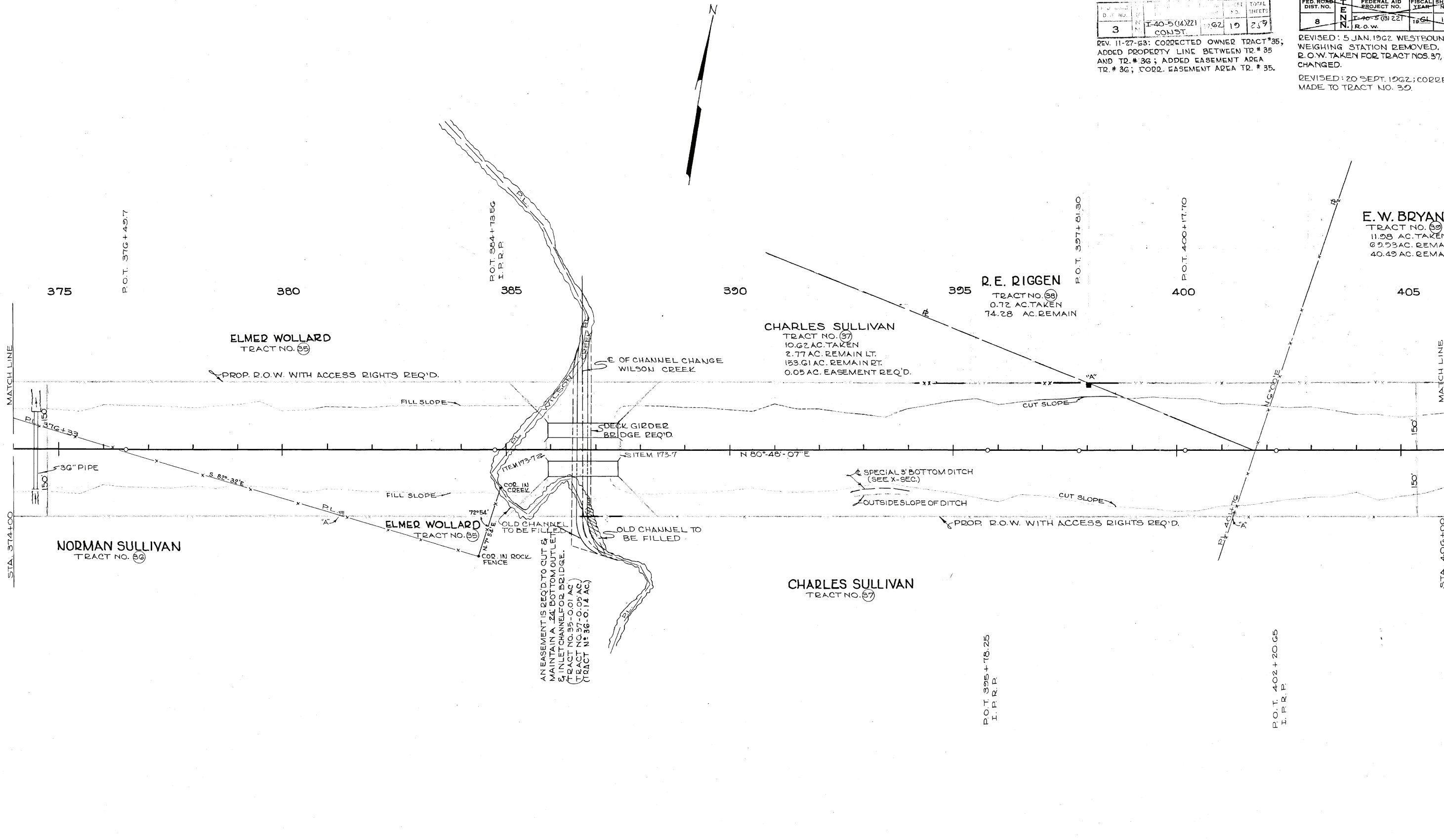
MORNING

DIST. NO.	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	T-40-5(14)221 CONST.	1962	19	239

REV. 11-27-63: CORRECTED OWNER TRACT #35; ADDED PROPERTY LINE BETWEEN TR #35 AND TR #36; ADDED EASEMENT AREA TR #36; CORR. EASEMENT AREA TR #35.

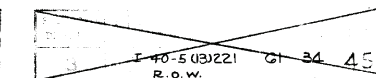
FED. ROAD DIST. NO.	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	T-40-5(8)221 R.O.W.	1961	19	45

REVISED: 5 JAN. 1962 WESTBOUND WEIGHING STATION REMOVED. R.O.W. TAKEN FOR TRACT NOS. 37, 38, 39 CHANGED.
REVISED: 20 SEPT. 1962; CORRECTION MADE TO TRACT NO. 30.



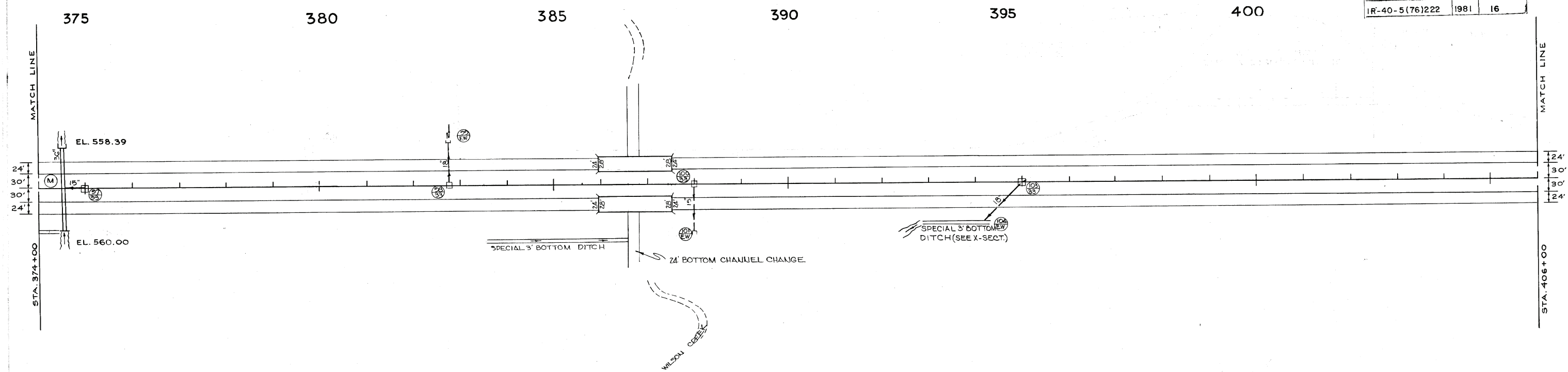
PRESENT LAYOUT
STA. 374+00 TO STA. 400+00
SCALE 1"=100'

REV. NO.	DATE	BY	CHKD.	TOTAL SHEETS
3	1-40-5(14)222	62	34	219
CONST.				

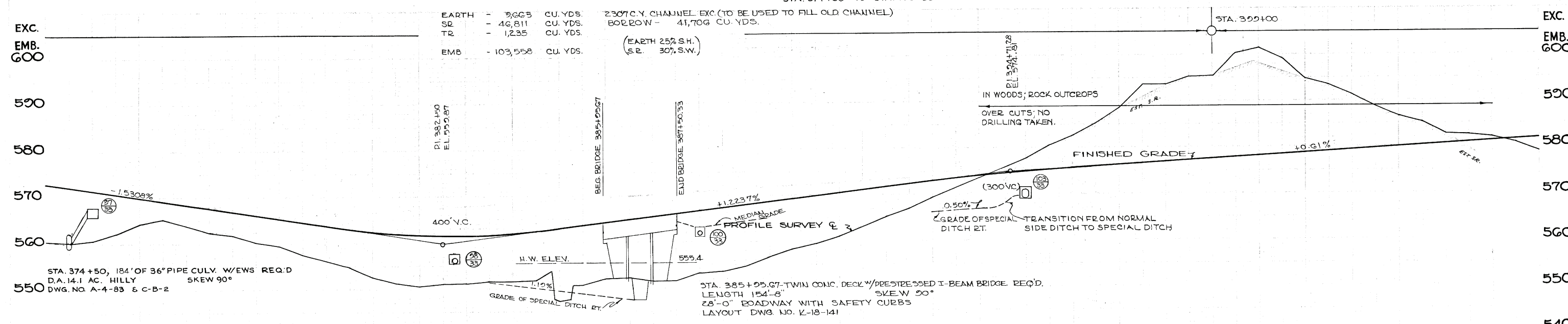


REVISED: 5 JAN. 1982; WESTBOUND WEIGHING STATION REMOVED.

PROJECT NO.	YEAR	SHEET NO.
IR-40-5(76)222	1981	16



PROPOSED LAYOUT OF IMPROVEMENT
STA. 374+00 TO STA. 406+00



EARTH	- 3,665	CU. YDS.	2,307 C.Y. CHANNEL EXC. (TO BE USED TO FILL OLD CHANNEL)
SD	- 46,811	CU. YDS.	BORROW - 41,706 CU. YDS.
TR	- 1,235	CU. YDS.	
EMB	- 103,558	CU. YDS.	(EARTH 25% S.H.) (S.P. 30% S.W.)

STA. 374+50, 184' OF 36" PIPE CULV. W/EWS REQ'D
D.A. 14.1 AC. HILLY SKEW 90°
DWG. NO. A-4-83 & C-B-2

STA. 385+25.67 TWIN CONC. DECK W/PRESTRESSED I-BEAM BRIDGE REQ'D.
LENGTH 154'-8" SKEW 50°
28'-0" ROADWAY WITH SAFETY CURBS
LAYOUT DWG. NO. K-18-141

CATCH BASINS							
CODE	STATION	NO.	DWG. NO.	NO.	GRATE	EL. "A"	GRATE ELEV.
97	375+00	33	M-D-2	2.08	145	1.33	567.93
98	382+72.02	33	M-D-2	2.33	145	1.37	571.80
100	388+00	33	M-D-2	2.08	145	1.33	563.18
102	(OMIT)						
103	395+00	33	M-D-2	2.33	145	1.42	571.42
105	(OMIT)						
TOTAL				560	5.45		

MEDIAN DRAIN PIPE							
FROM	TO	GRADE	%	DIAM.	LEN.	GRAN.	B.F.
CODE	ELEV.	CODE	ELEV.	15"	18"	C.Y.	
97	568.85	M	561.07	50'		9	
98	555.47	99	554.10	145	94'	20	
100	561.10	101	552.50	8.78	98'	18	
103	569.09	104	567.00	1.83	114'	24	
TOTAL				145	206'	71	

END WALLS					
CODE	STATION	TYPE	DWG. NO.	STEEL BAR REINF.	CL. "A" CONC.
99	379+55.99	"U"	D-0-13	18"	20
101	387+50.07	"U"	D-0-13	15"	20
104	394+18.27	STRAIGHT	E-2-29	18"	22
106	(OMIT)				
TOTAL				218	4.12

B.M.#38 ELEV. 562.41 SPIKE IN ROOT 16" WALNUT 46' RT. STA. 374+84
 B.M.#39 ELEV. 555.98 NAIL IN SIDE 36" OAK 207' RT. STA. 383+39
 B.M.#40 ELEV. 582.73 NAIL IN SIDE 6" HACKBERRY 112' LT. STA. 395+34

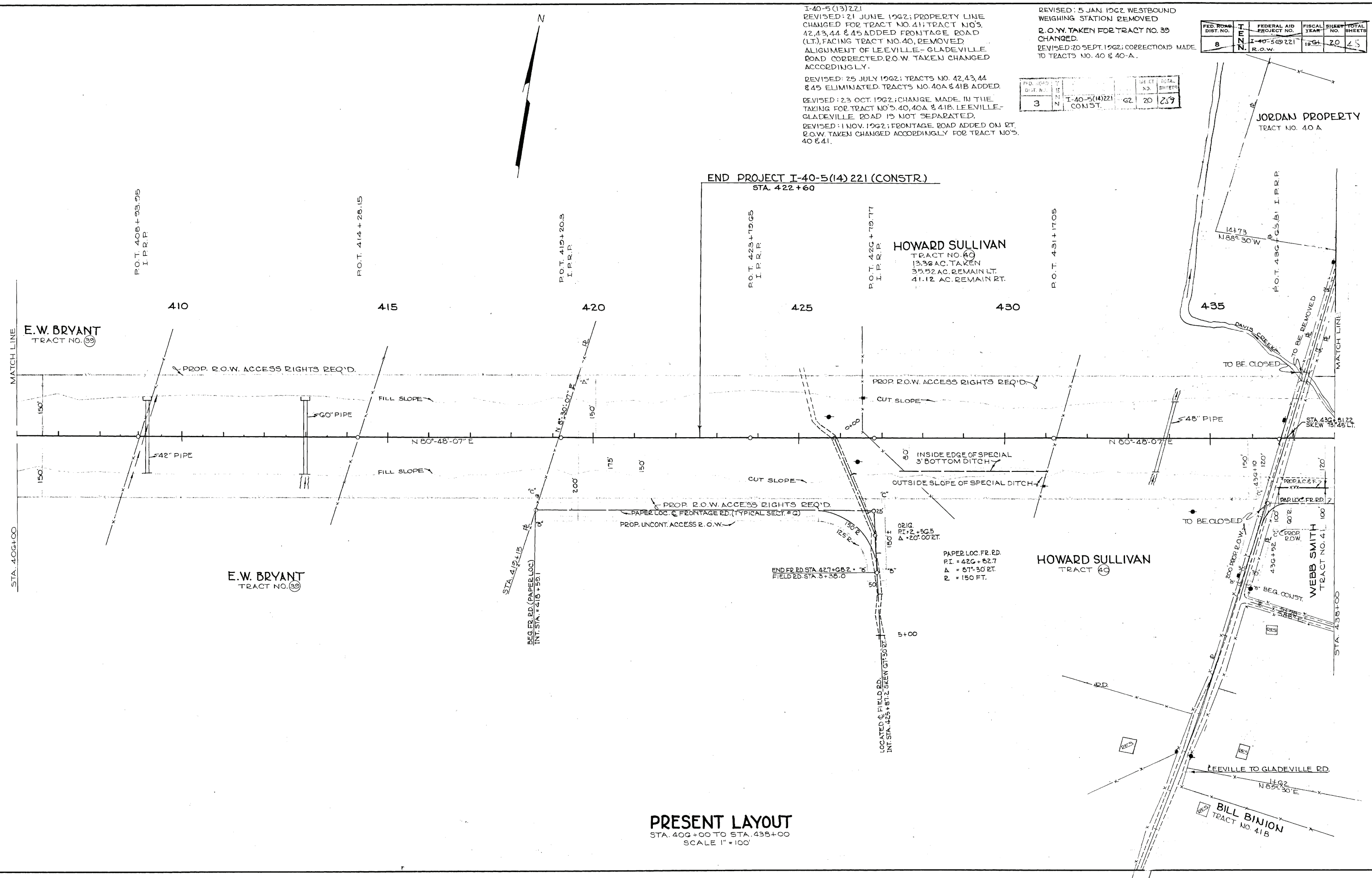
I-40-5(13)221
 REVISED: 21 JUNE 1962; PROPERTY LINE CHANGED FOR TRACT NO. 41; TRACT NO'S. 42, 43, 44 & 45 ADDED FRONTAGE ROAD (LT.), FACING TRACT NO. 40, REMOVED. ALIGNMENT OF LEEVILLE-GLADEVILLE ROAD CORRECTED. R.O.W. TAKEN CHANGED ACCORDINGLY.
 REVISED: 25 JULY 1962; TRACTS NO. 42, 43, 44 & 45 ELIMINATED. TRACTS NO. 40A & 41B ADDED.
 REVISED: 23 OCT. 1962; CHANGE MADE IN THE TAKING FOR TRACT NO'S. 40, 40A & 41B. LEEVILLE-GLADEVILLE ROAD IS NOT SEPARATED.
 REVISED: 1 NOV. 1962; FRONTAGE ROAD ADDED ON RT. R.O.W. TAKEN CHANGED ACCORDINGLY FOR TRACT NO'S. 40 & 41.

REVISED: 5 JAN. 1962 WESTBOUND WEIGHING STATION REMOVED
 R.O.W. TAKEN FOR TRACT NO. 39 CHANGED.
 REVISED: 20 SEPT. 1962; CORRECTIONS MADE TO TRACTS NO. 40 & 40-A.

FED. ROAD DIST. NO.	T	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	N	I-40-5(13)221 R.O.W.	1962	20	45

P.D. NO.	DIST. NO.	T	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	N	I-40-5(14)221 CONST.	62	20	29

END PROJECT I-40-5(14) 221 (CONSTR.)
 STA. 422+60



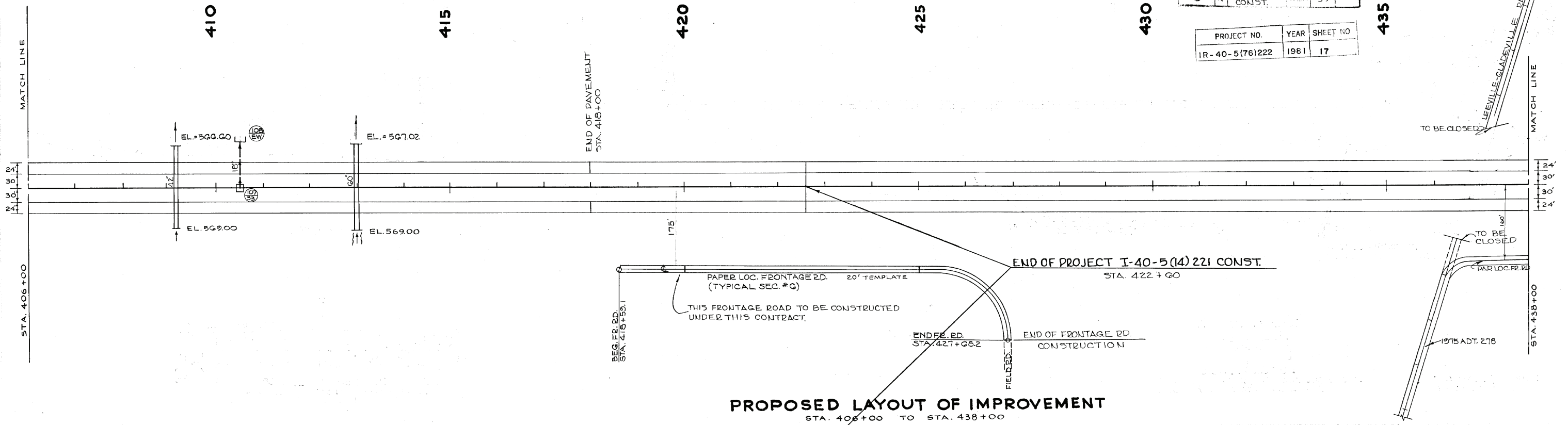
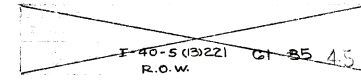
PRESENT LAYOUT
 STA. 400+00 TO STA. 435+00
 SCALE 1" = 100'

I-40-5(13)221
 REVISED: 2 JUNE 1962; FRONTAGE ROAD (RT) REMOVED
 REVISED: 1 NOV. 1962; FRONTAGE ROAD ADDED ON RT. EAST OF LEEVILLE-GLADEVILLE RD.

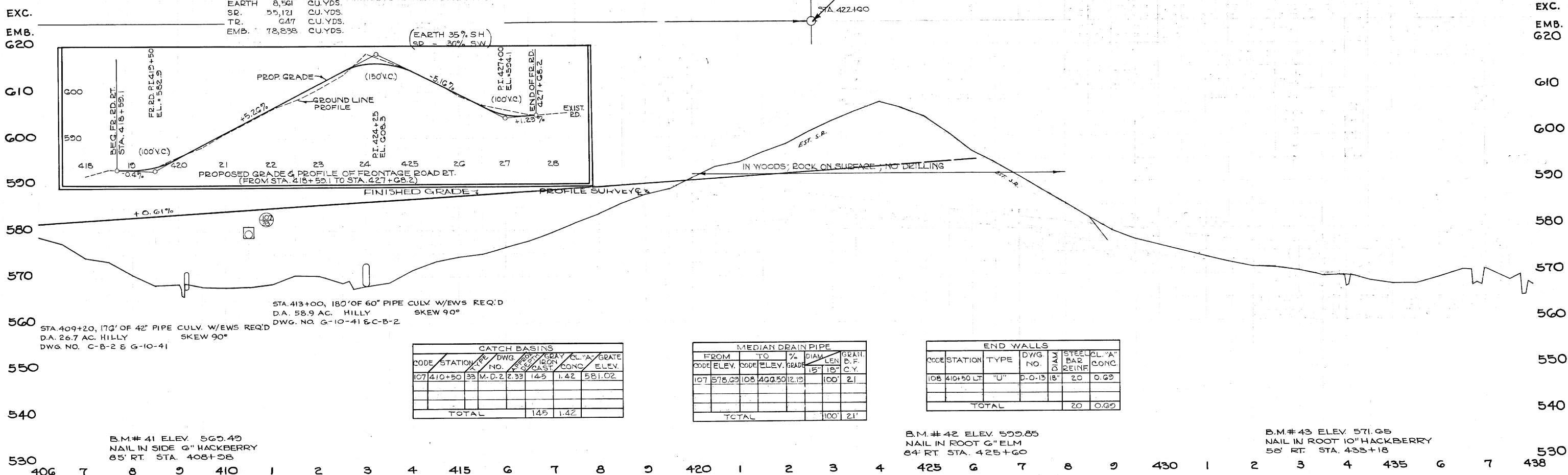
REVISED: 5 JAN. 1982; WESTBOUND WEIGHING STA. REMOVED.

FED. ROAD DIST. NO.	YEAR	SHEET NO.	TOTAL SHEETS
3	1962	35	

PROJECT NO.	YEAR	SHEET NO.
IR-40-5(76)222	1981	17

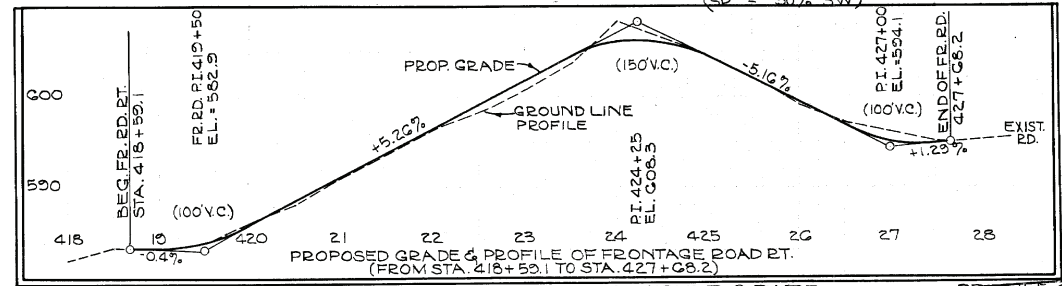


PROPOSED LAYOUT OF IMPROVEMENT
 STA. 406+00 TO STA. 438+00



EARTH	8,561	CU. YDS.
SR.	55,121	CU. YDS.
TR.	647	CU. YDS.
EMB.	78,838	CU. YDS.

(EARTH 35% SH)
 (SR = 30% SW)



STA. 413+00, 180' OF 60" PIPE CULV. W/EWS REQ'D
 D.A. 58.9 AC. HILLY SKEW 90°
 DWG. NO. G-10-41 & C-B-2

STA. 409+20, 170' OF 42" PIPE CULV. W/EWS REQ'D
 D.A. 26.7 AC. HILLY SKEW 90°
 DWG. NO. C-B-2 & G-10-41

CATCH BASINS						
CODE	STATION	DWG. NO.	GRATE	CL. "A" GRATE	ELEV.	
107	410+50	M.D. 2	2.33	1.45	1.42	581.02
TOTAL			145	1.42		

MEDIAN DRAIN PIPE						
FROM CODE	TO CODE	% GRAD.	DIAM.	LEN.	GRAN. D.F.	
107	578.03	108	400.50	12.12	100'	21'
TOTAL					100'	21'

END WALLS						
CODE	STATION	TYPE	DWG. NO.	DIAM.	STEEL BAR REINF.	CL. "A" CONC.
108	410+50 LT	"U"	D.O. 13	18"	20	0.69
TOTAL					20	0.69

B.M.# 41 ELEV. 560.49
 NAIL IN SIDE 6" HACKBERRY
 85' RT. STA. 408+08

B.M.# 42 ELEV. 550.85
 NAIL IN ROOT 6" ELM
 84' RT. STA. 425+60

B.M.# 43 ELEV. 571.65
 NAIL IN ROOT 10" HACKBERRY
 58' RT. STA. 433+18

406 7 8 9 410 1 2 3 4 415 6 7 8 9 420 1 2 3 4 425 6 7 8 9 430 1 2 3 4 435 6 7 438

TENNESSEE D.O.T.
DESIGN DIVISION
IN-570
FILE NO.

Index Of Sheets

SEE SHEET 1A

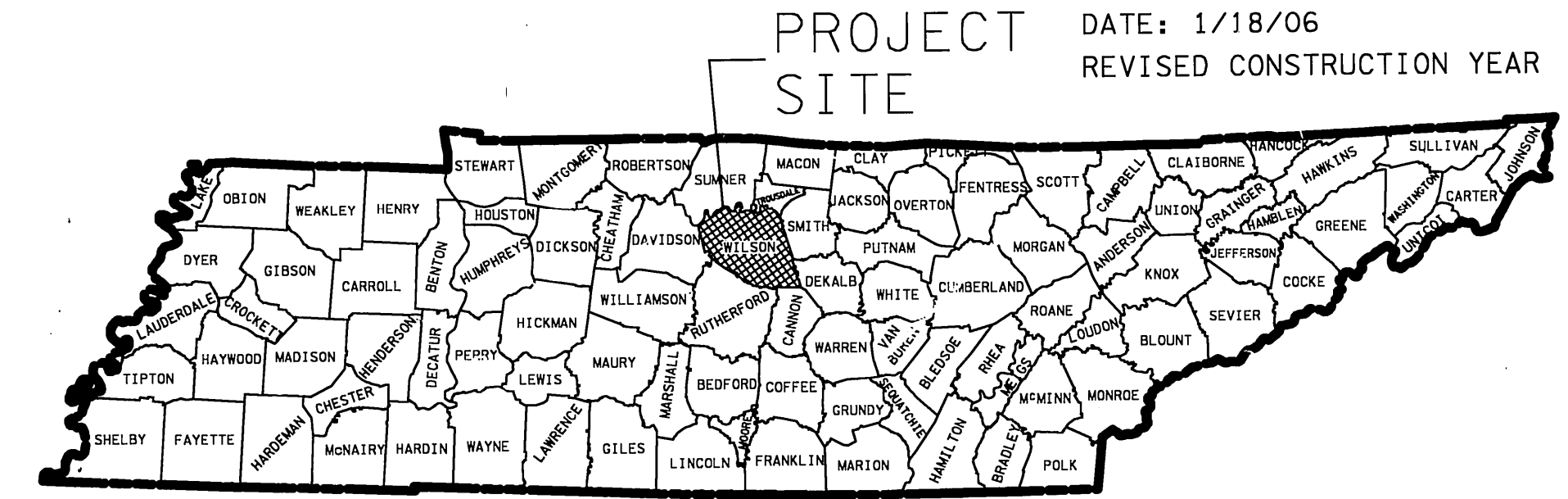
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

WILSON COUNTY
I-40 INTERCHANGE AT BECKWITH ROAD
CONSTRUCTION

F.A.H.S. NO. 40

TENN.	YEAR	SHEET NO.
	2006	1
FED. AID PROJ. NO.	IM-40-5(129)	
STATE PROJ. NO.	95001-3193-44	

REVISIONS
DATE: 1/18/06
REVISED CONSTRUCTION YEAR



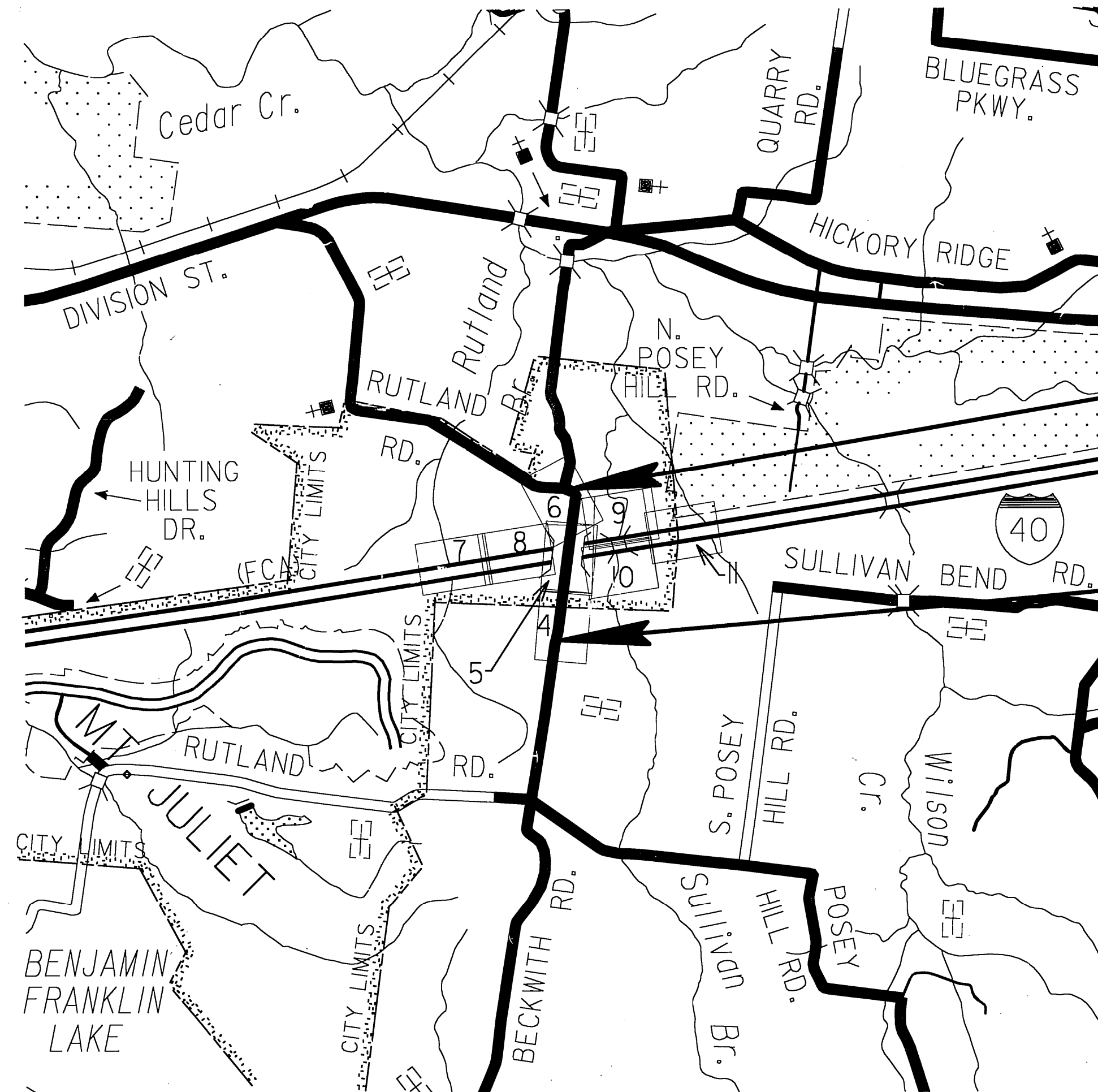
NO EXCLUSIONS
NO EQUATIONS

CITY OF MT. JULIET TO ACQUIRE R.O.W.
AND COORDINATE UTILITY ADJUSTMENTS

CONSTRUCTION PROJECT YEAR 2006

END PROJ. NO. IM-40-5(129) CONST.
STA. 132+50.00

BEGIN PROJ. NO. IM-40-5(129) CONST.
STA. 103+58.44



SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

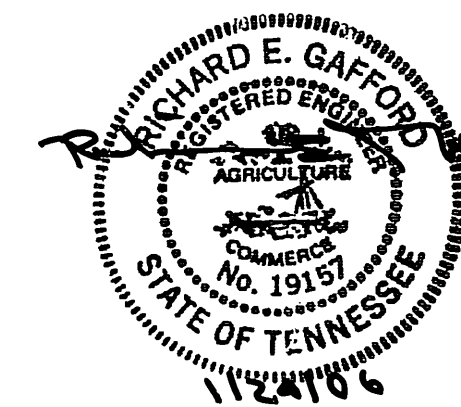
THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 1995 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

TDOT TRANSPORTATION MANAGER 1 PATRICK MURRAY
DESIGNED BY FISHER & ARNOLD, INC
DESIGNER RICHARD E. GAFFORD
P.E. NO. 95001-1186-04

VICINITY MAP

SCALE: 1" = 2000'

ROADWAY LENGTH = 0.489 MILES
BRIDGE LENGTH = 0.059 MILES
PROJECT LENGTH = 0.548 MILES



APPROVED: [Signature]
DIRECTOR, DESIGN DIVISION

DATE: _____

APPROVED: [Signature]
COMMISSIONER

TRAFFIC DATA	
ADT (2005)	19,246
ADT (2025)	39,775
DHV (2025)	4,039
D	51 - 49
T (ADT)	- %
T (DHV)	- %
V	40 MPH

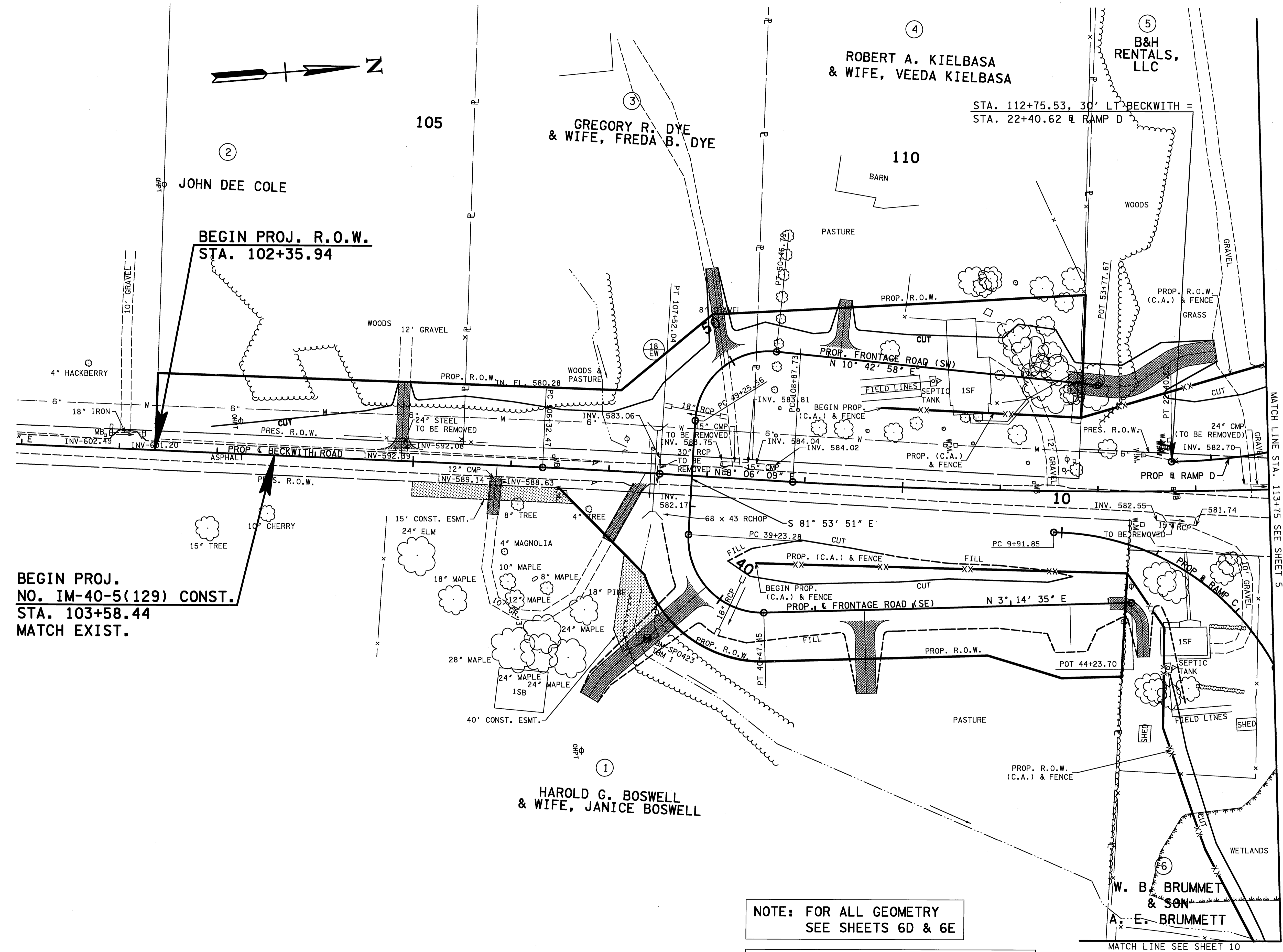
BECKWITH ROAD

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		4
CONST.	2005	IM-40-5(129)	4

REVISIONS
 DATE: 9/27/04
 ADDED DRIVEWAYS RT.
 STA. 105+85.98 AND
 STA. 107+37.54
 DATE: 12/29/04
 ADDED DRIVEWAYS RT.
 STA. 39+81.00 AND
 STA. 41+50.00
 FRONTAGE ROAD (SE)

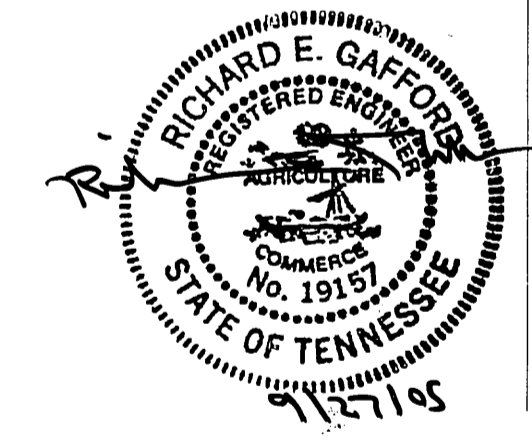


BEGIN PROJ.
 NO. IM-40-5(129) CONST.
 STA. 103+58.44
 MATCH EXIST.

BEGIN PROJ. R.O.W.
 STA. 102+35.94

NOTE: FOR ALL GEOMETRY
 SEE SHEETS 6D & 6E

NOTE: FOR R.O.W. INFORMATION
 THIS SHEET SEE SHEET NO. 4C



COORDINATE VALUES ARE NAD/83(1995)
 AND ARE DATUM ADJUSTED BY THE
 FACTOR 1.00 & TIED TO THE TORN

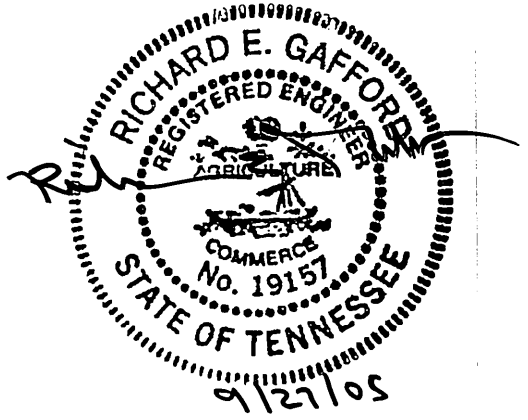
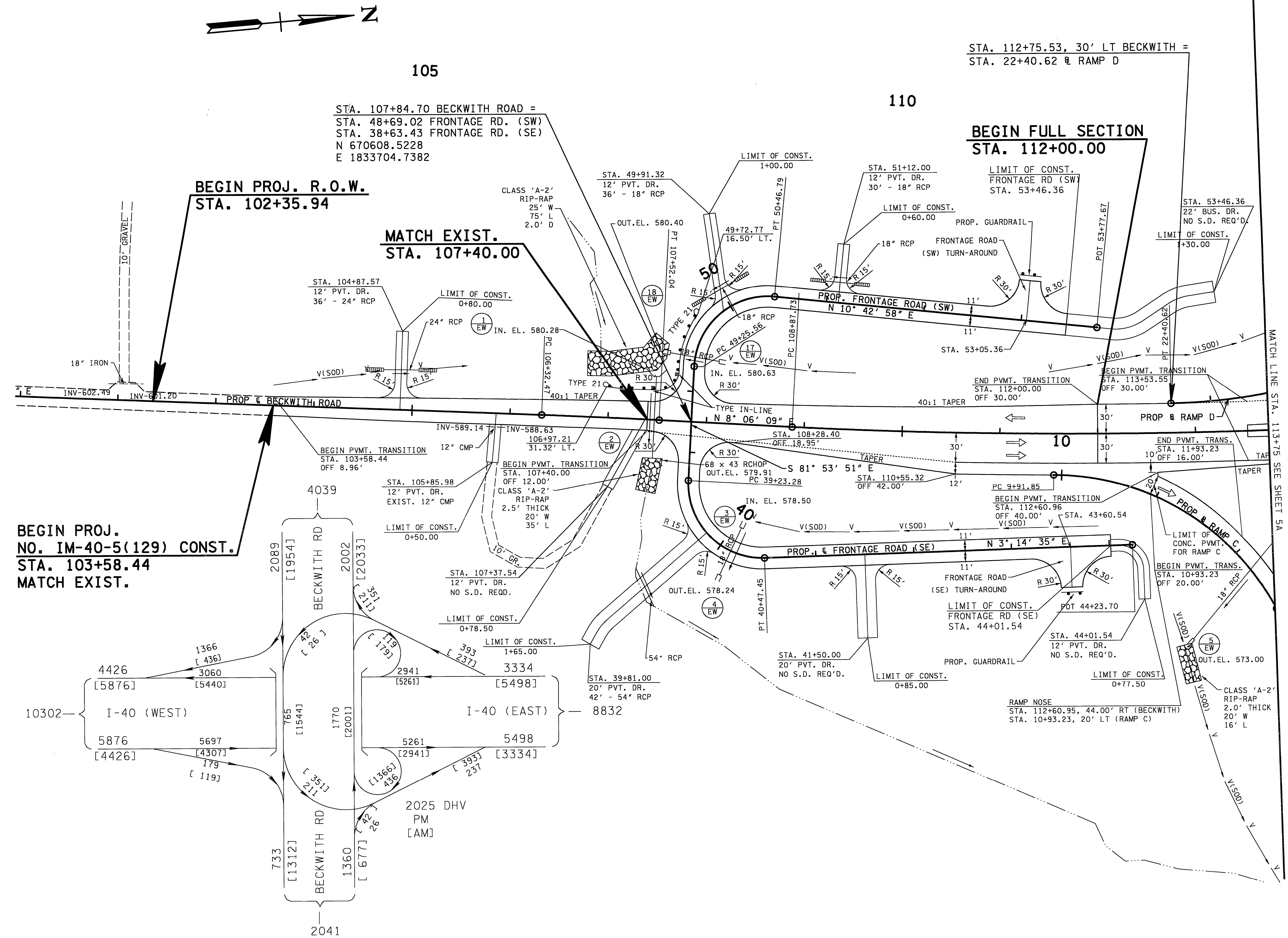
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT
 BECKWITH ROAD
 B.O.P. TO STA. 113+75
 SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		4A
CONST.	2005	IM-40-5(129)	4A

REVISIONS
DATE: 9/27/04
ADDED DRIVEWAYS RT.
STA. 105+85.98 AND
STA. 107+37.54

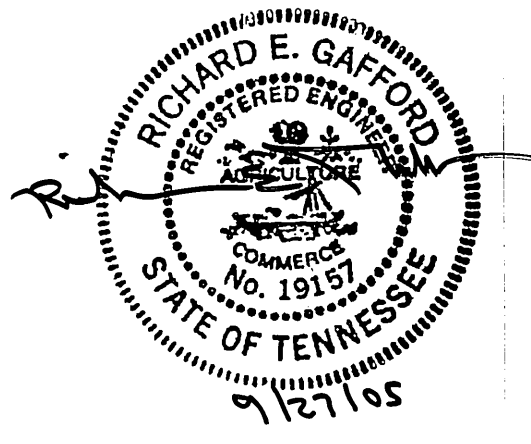
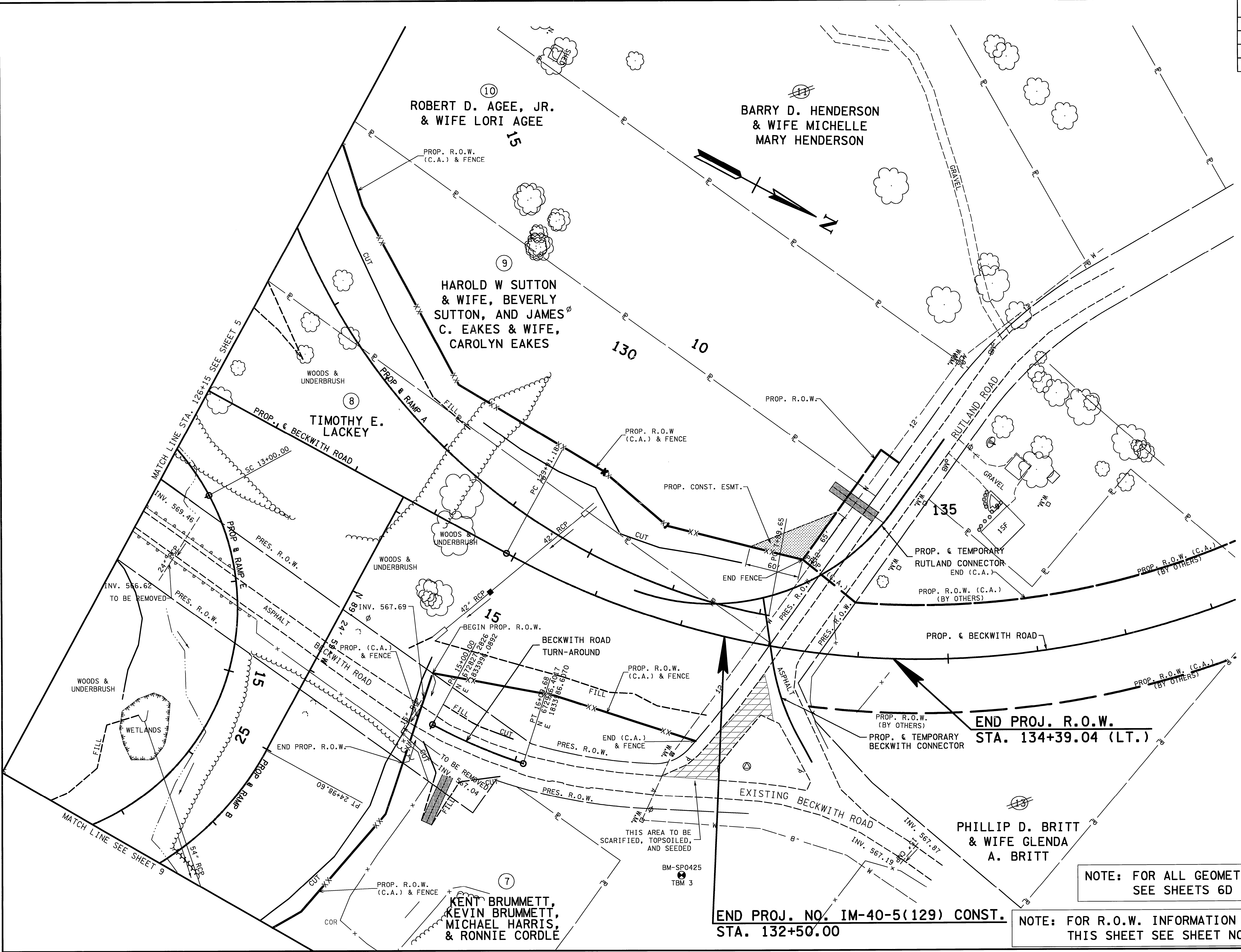
DATE: 12/29/04
ADDED DRIVEWAYS RT.
STA. 39+81.00 AND
STA. 41+50.00
FRONTAGE ROAD (SE)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
BECKWITH ROAD
B.O.P. TO STA. 113+75
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		6
CONST.	2005	IM-40-5(129)	6

REVISIONS
DATE: 9/27/04
REMOVED RUTLAND TURN-AROUND AND ADDED RUTLAND AND BECKWITH TEMPORARY CONNECTORS



END PROJ. R.O.W.
STA. 134+39.04 (LT.)

END PROJ. NO. IM-40-5(129) CONST.
STA. 132+50.00

NOTE: FOR ALL GEOMETRY
SEE SHEETS 6D & 6E

NOTE: FOR R.O.W. INFORMATION
THIS SHEET SEE SHEET NO. 6C

COORDINATE VALUES ARE NAD/83(1995)
AND ARE DATUM ADJUSTED BY THE
FACTOR 1.00 & TIED TO THE TGRN.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT
BECKWITH ROAD
STA. 126+15 TO STA. E.O.P.
SCALE: 1" = 50'

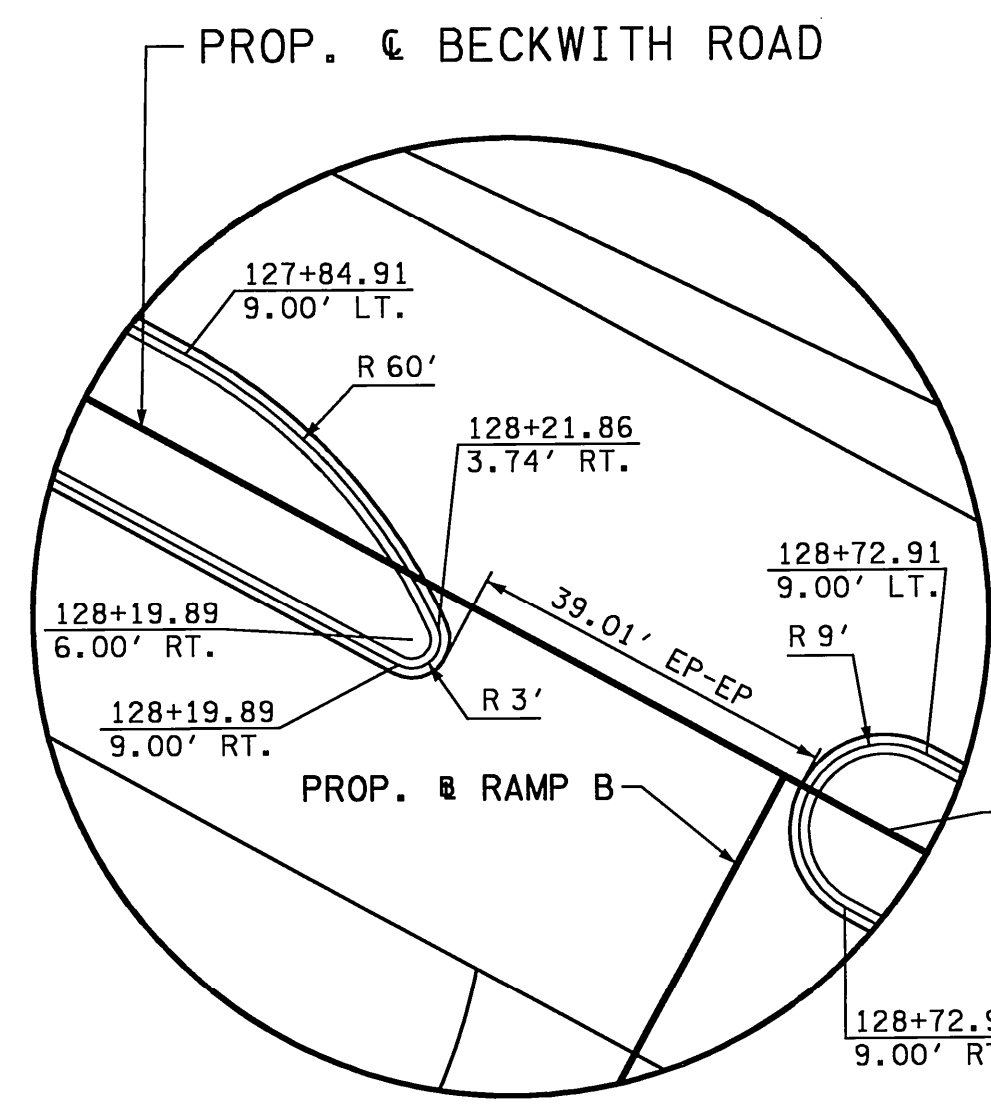
TENNESSEE D.O.T.
 DESIGN DIVISION
 IN-370
 FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		6A
CONST.	2005	IM-40-5(129)	6A

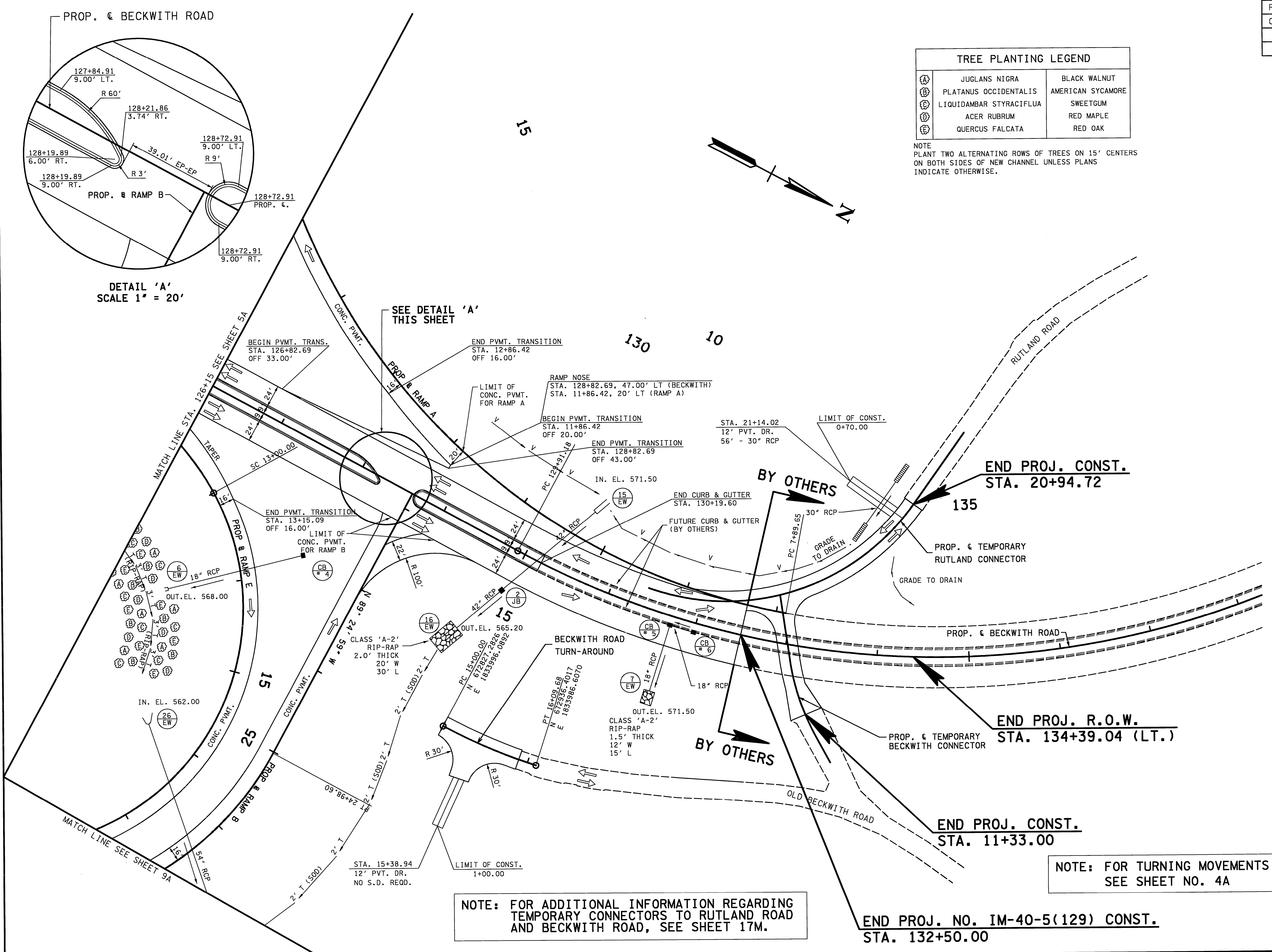
REVISIONS
 DATE: 9/27/04
 REMOVED RUTLAND ROAD
 TURN-AROUND AND ADDED
 RUTLAND AND BECKWITH
 TEMPORARY CONNECTORS
 REVISED DRIVEWAY
 TO TRACT 9

TREE PLANTING LEGEND		
(A)	JUGLANS NIGRA	BLACK WALNUT
(B)	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE
(C)	LIQUIDAMBAR STYRACIFLUA	SWEETGUM
(D)	ACER RUBRUM	RED MAPLE
(E)	QUERCUS FALCATA	RED OAK

NOTE
 PLANT TWO ALTERNATING ROWS OF TREES ON 15' CENTERS
 ON BOTH SIDES OF NEW CHANNEL UNLESS PLANS
 INDICATE OTHERWISE.



DETAIL 'A'
 SCALE 1" = 20'



NOTE: FOR ADDITIONAL INFORMATION REGARDING
 TEMPORARY CONNECTORS TO RUTLAND ROAD
 AND BECKWITH ROAD, SEE SHEET 17M.

NOTE: FOR TURNING MOVEMENTS
 SEE SHEET NO. 4A

END PROJ. NO. IM-40-5(129) CONST.
 STA. 132+50.00

END PROJ. CONST.
 STA. 20+94.72

END PROJ. R.O.W.
 STA. 134+39.04 (LT.)

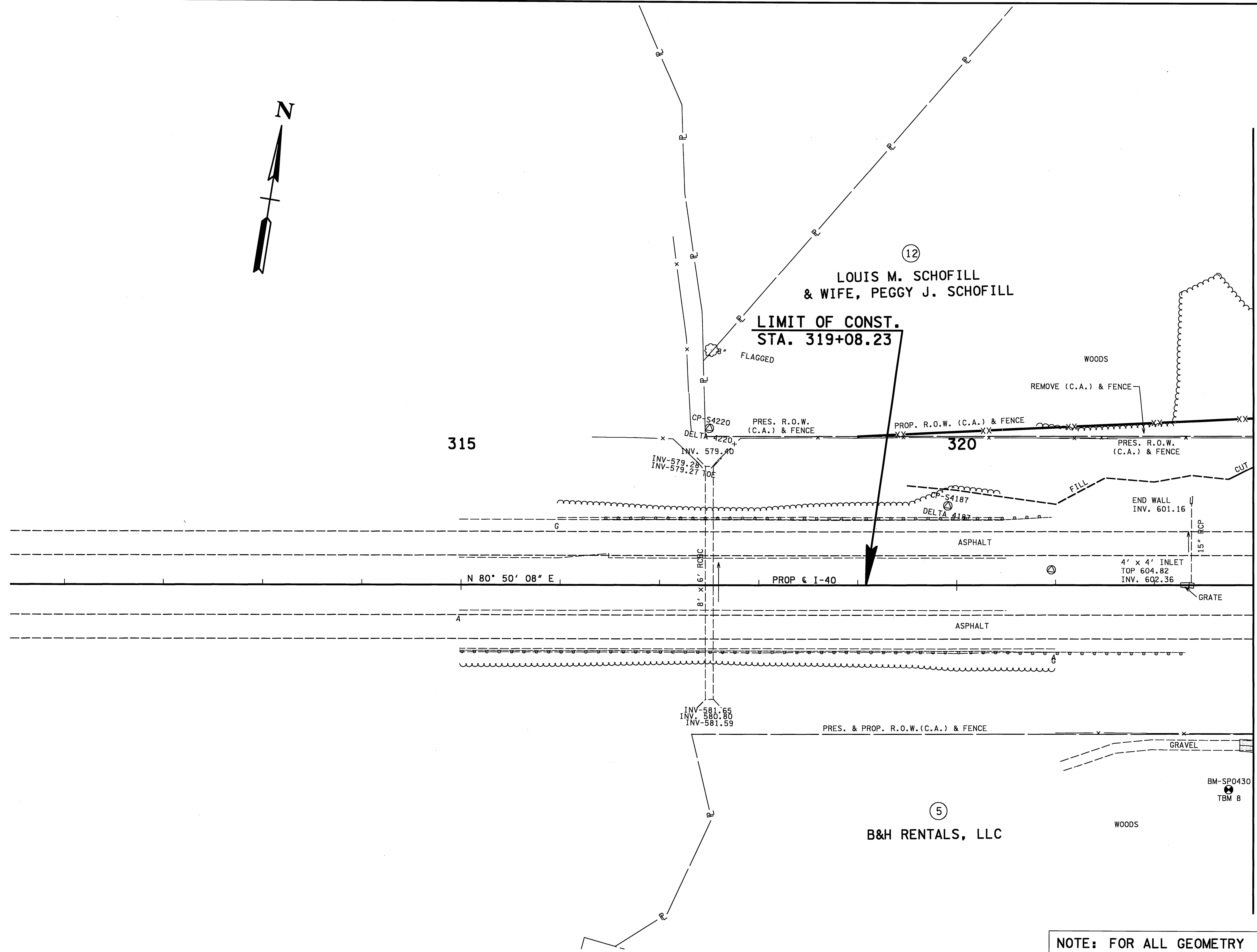
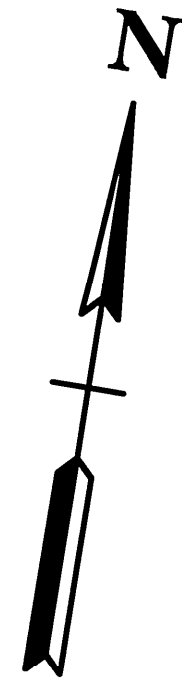
END PROJ. CONST.
 STA. 11+33.00



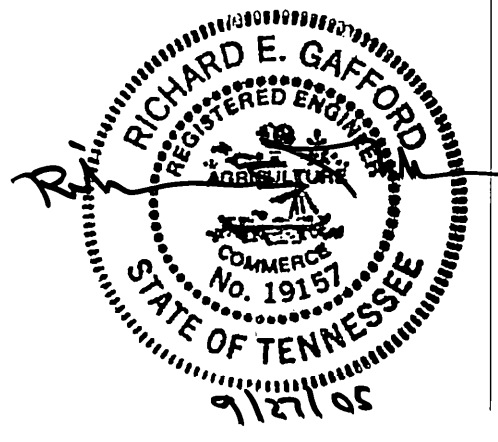
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
 BECKWITH ROAD
 STA. 126+15 TO STA. E.O.P.
 SCALE: 1" = 50'

9/9/2005
 T:\462\Transportation\prop-beck-3.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		7
CONST.	2005	IM-40-5(129)	7



MATCH LINE STA. 323+00 SEE SHEET 8



COORDINATE VALUES ARE NAD/83(1995)
 AND ARE DATUM ADJUSTED BY THE
 FACTOR 1.00 & TIED TO THE TGRN.

**NOTE: FOR ALL GEOMETRY
 SEE SHEETS 6D & 6E**

**NOTE: FOR R.O.W. INFORMATION
 THIS SHEET SEE SHEET NO. 7C**

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

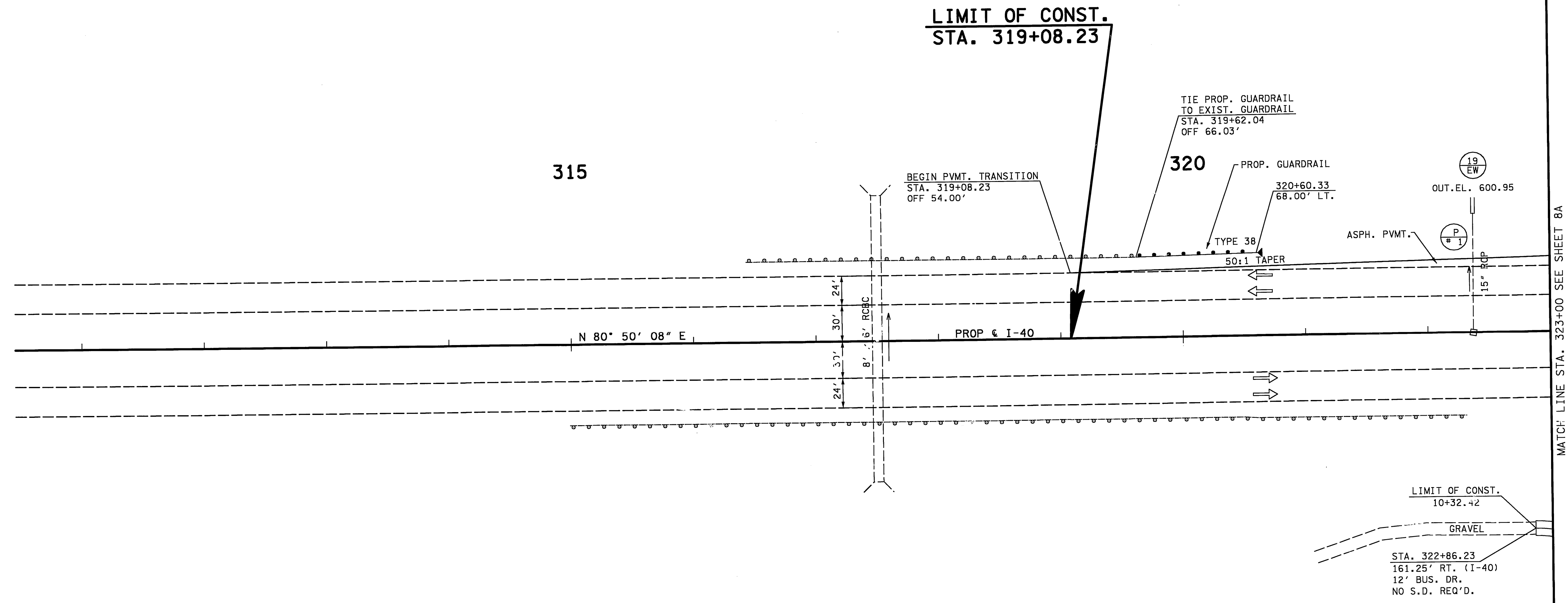
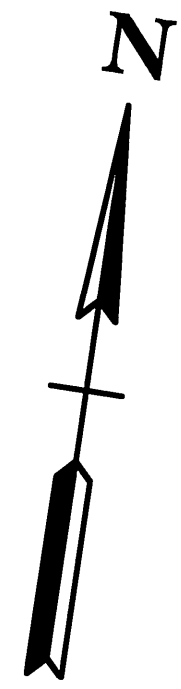
**PRESENT
 LAYOUT**

I-40
 B.O.P. TO STA. 323+00
 SCALE: 1" = 50'

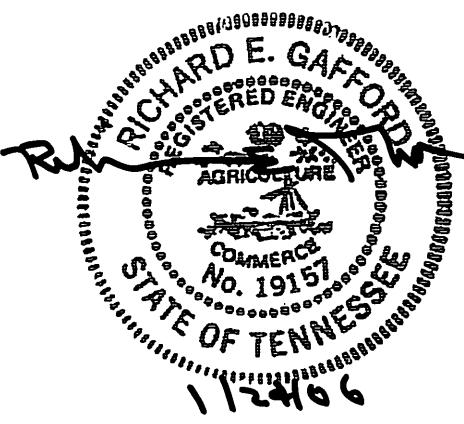
TENNESSEE D.O.T.
 DESIGN DIVISION
 22 570
 FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		7A
CONST.	2005	IM-40-5(129)	7A

REVISIONS
 DATE: 1/18/06
 REVISED I-40 PAVEMENT



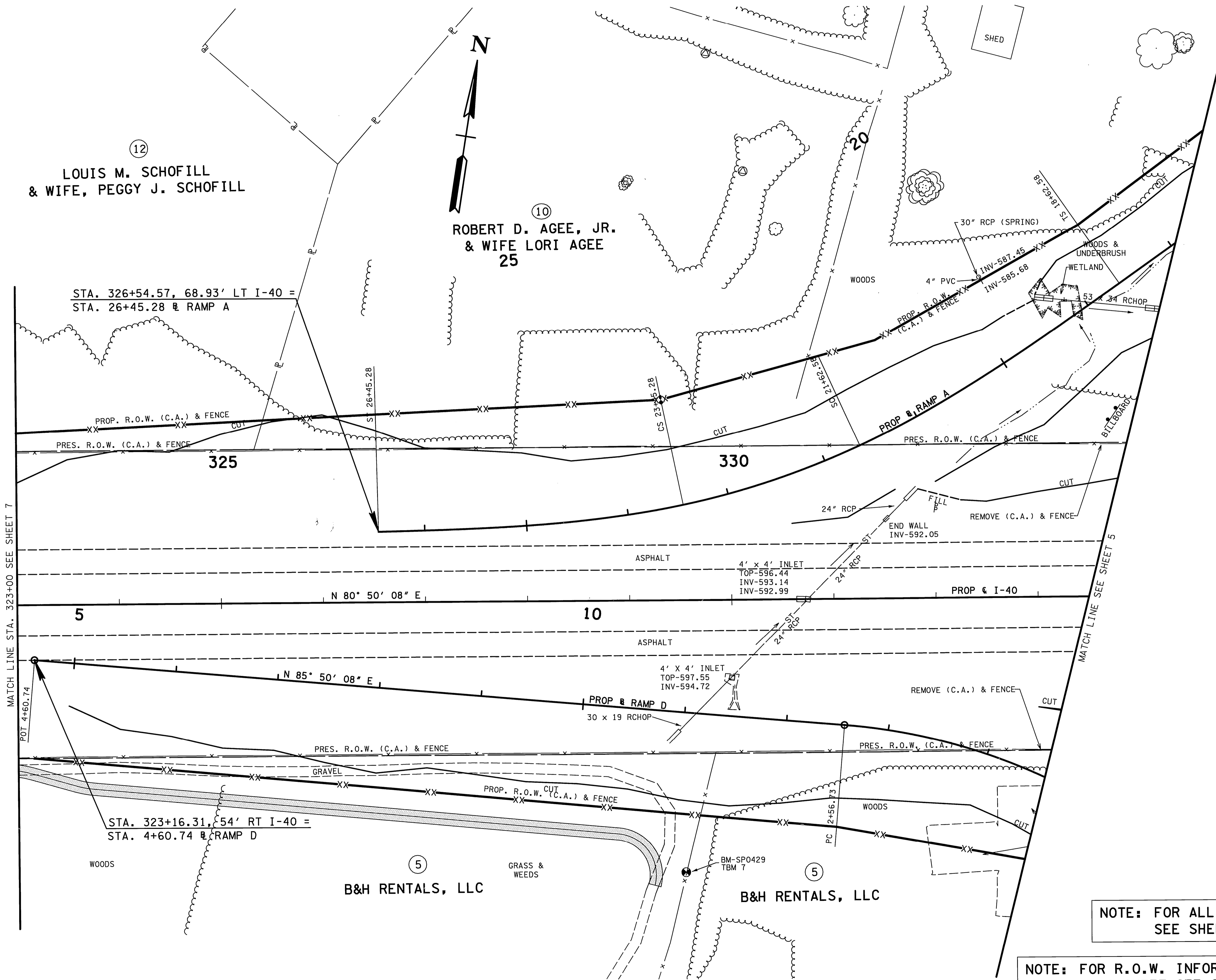
NOTE: FOR TURNING MOVEMENTS
 SEE SHEET NO. 4A



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
 I-40
 B.O.P. TO STA. 323+00
 SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		8
CONST.	2005	IM-40-5(129)	8

REVISIONS
 DATE: 5/17/06
 ADDED BILLBOARD

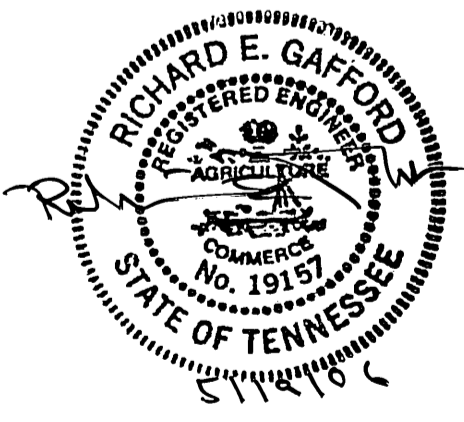


MATCH LINE STA. 323+00 SEE SHEET 7

MATCH LINE SEE SHEET 5

NOTE: FOR ALL GEOMETRY
 SEE SHEETS 6D & 6E

NOTE: FOR R.O.W. INFORMATION
 THIS SHEET SEE SHEET NO. 8D



COORDINATE VALUES ARE NAD/83(1995)
 AND ARE DATUM ADJUSTED BY THE
 FACTOR 1.00 & TIED TO THE TGRN

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

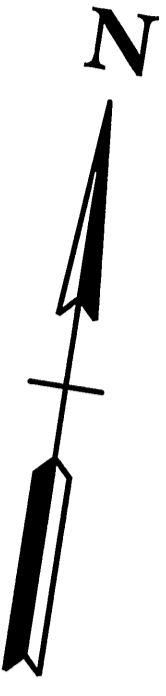
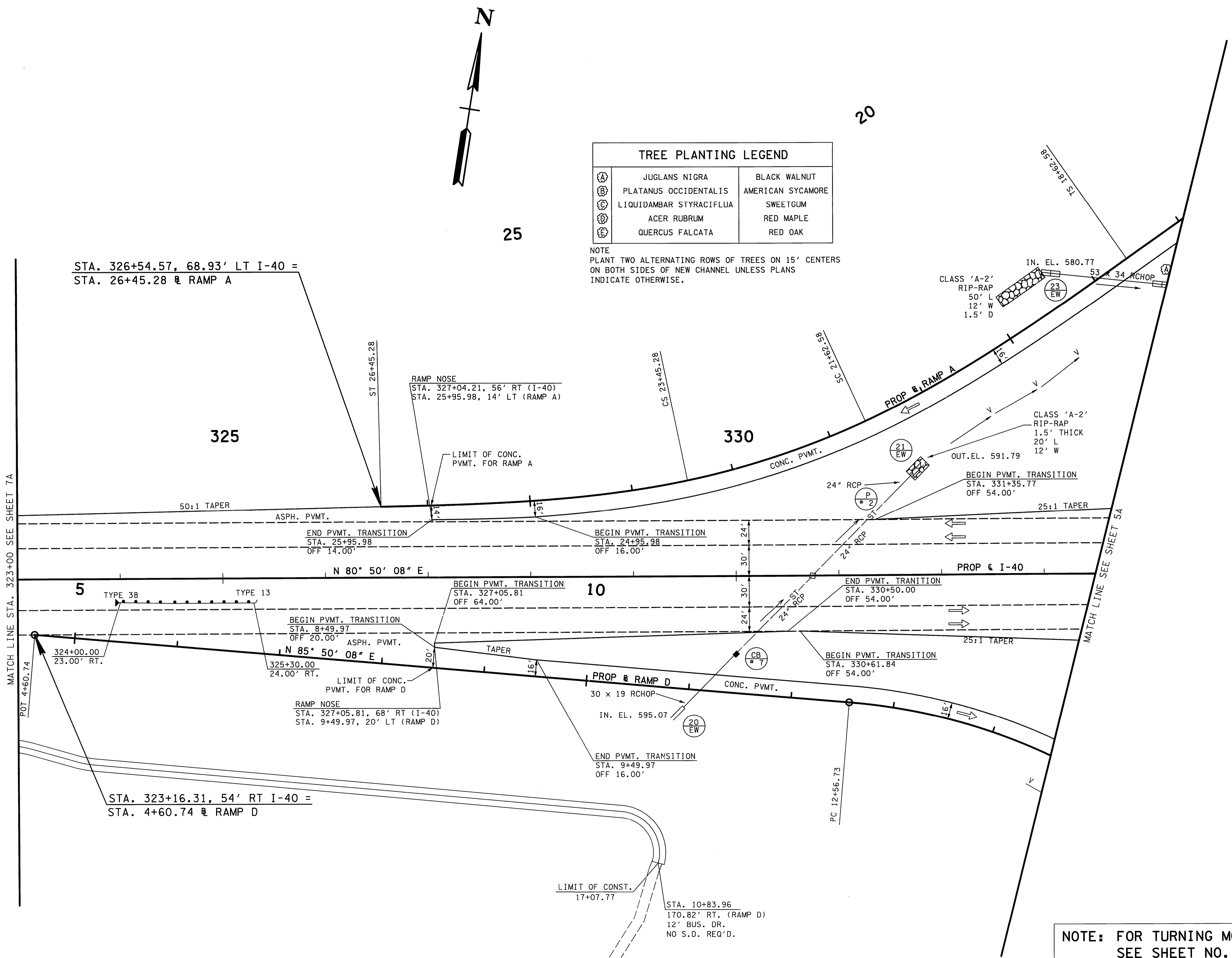
I-40
 STA. 323+00 TO STA. 333+50
 SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		8A
CONST.	2005	IM-40-5(129)	8A

REVISIONS
 DATE: 1/18/06
 REVISED I-40 PAVEMENT
 DATE: 5/17/06
 REVISED I-40 DRAINAGE
 STA. 333+50

TREE PLANTING LEGEND		
(A)	JUGLANS NIGRA	BLACK WALNUT
(B)	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE
(C)	LIQUIDAMBAR STYRACIFLUA	SWEETGUM
(D)	ACER RUBRUM	RED MAPLE
(E)	QUERCUS FALCATA	RED OAK

NOTE
 PLANT TWO ALTERNATING ROWS OF TREES ON 15' CENTERS ON BOTH SIDES OF NEW CHANNEL UNLESS PLANS INDICATE OTHERWISE.



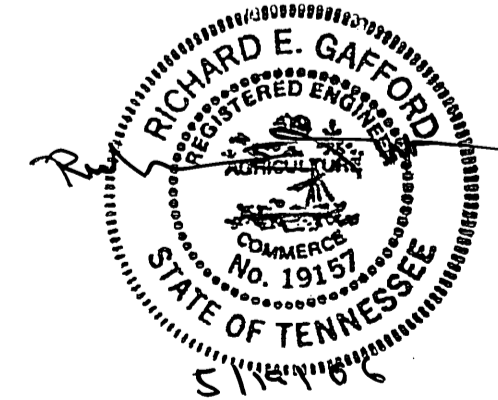
25

20

MATCH LINE STA. 323+00 SEE SHEET 7A

MATCH LINE SEE SHEET 5A

NOTE: FOR TURNING MOVEMENTS
 SEE SHEET NO. 4A

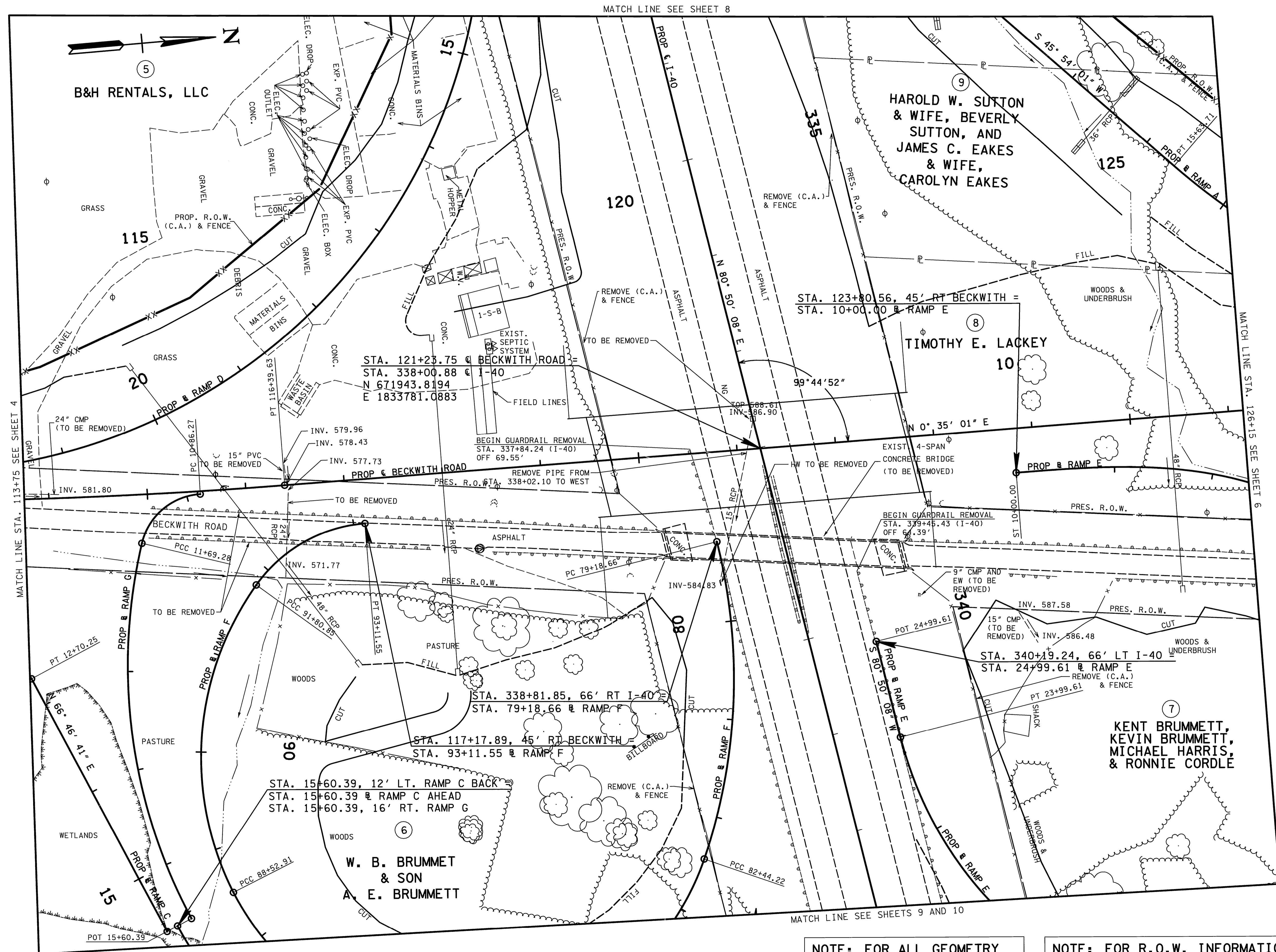


STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
 I-40
 STA. 323+00 TO STA. 333+50
 SCALE: 1" = 50'

TENNESSEE D.O.T.
 DESIGN DIVISION
 FILE NO. 14 370

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		5
CONST.	2005	IM-40-5(129)	5

REVISIONS
 DATE: 5/17/06
 REVISED I-40 DRAINAGE
 STA. 337+37.86
 ADDED BILLBOARD



MATCH LINE SEE SHEET 8

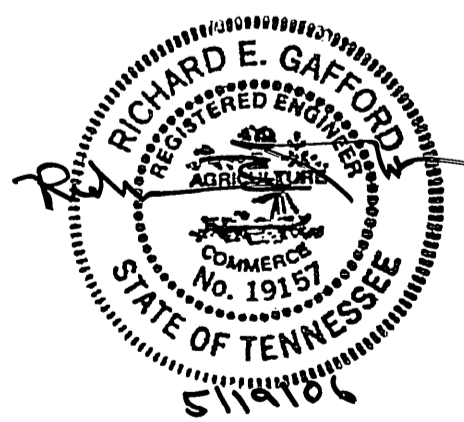
MATCH LINE STA. 126+15 SEE SHEET 6

MATCH LINE STA. 113+75 SEE SHEET 4

MATCH LINE SEE SHEETS 9 AND 10

NOTE: FOR ALL GEOMETRY SEE SHEETS 6D & 6E

NOTE: FOR R.O.W. INFORMATION THIS SHEET SEE SHEET NO. 5C



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00 & TIED TO THE TORN

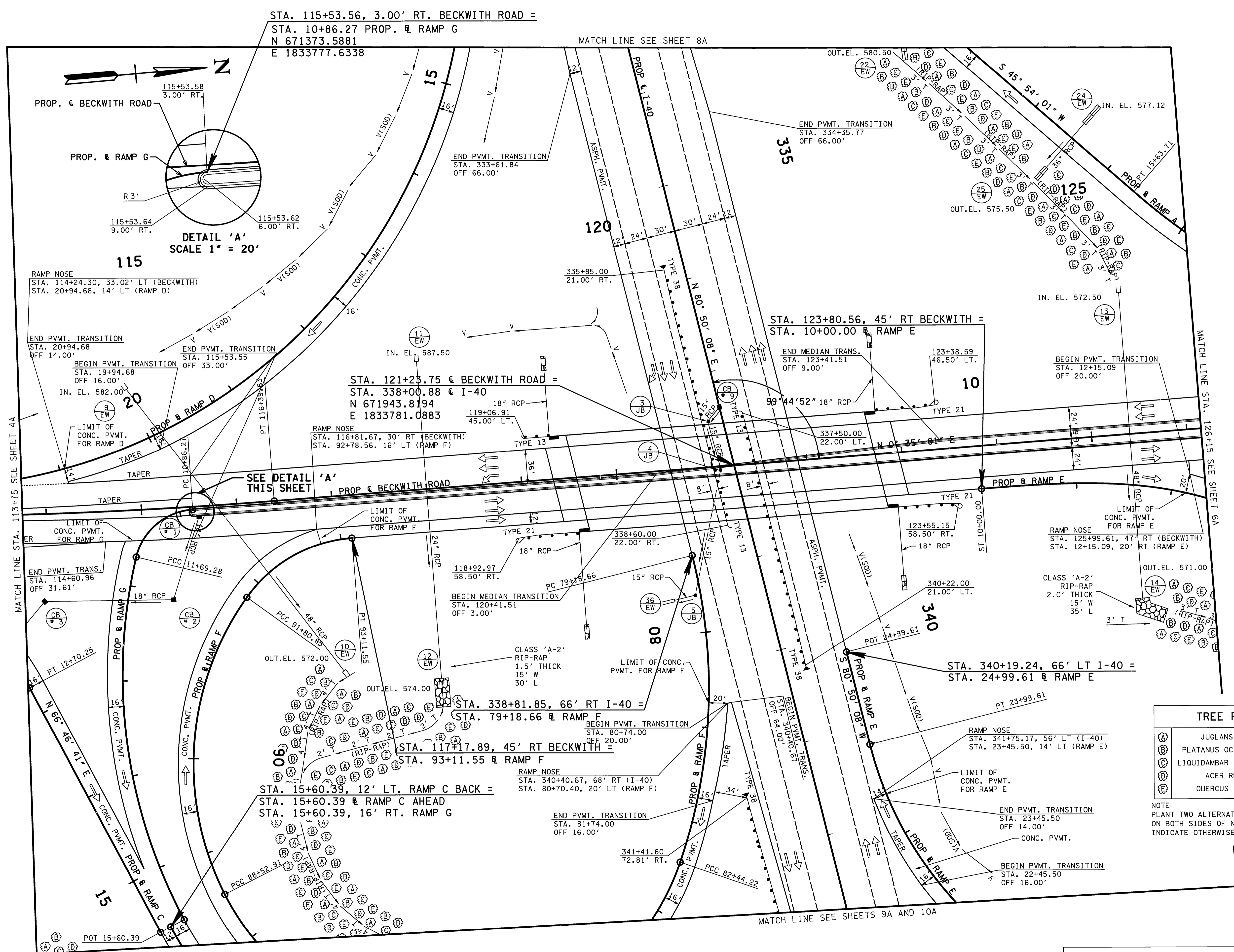
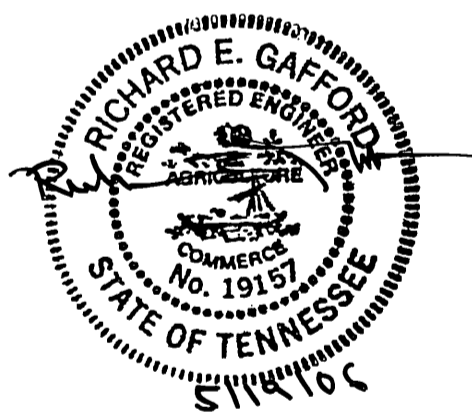
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
PRESENT LAYOUT
 BECKWITH ROAD
 STA. 113+75 TO STA. 126+15
 SCALE: 1" = 50'

5/18/2006
 T:\4612\Transportation\pres-beck-2.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		5A
CONST.	2005	IM-40-5(129)	5A

REVISIONS
DATE: 1/18/06
REVISED I-40 PAVEMENT
REVISED I-40 MEDIAN GUARDRAIL

DATE: 5/17/06
REVISED I-40 DRAINAGE
STA. 333+50 AND STA. 337+37.86



TREE PLANTING LEGEND

(A)	JUGLANS NIGRA	BLACK WALNUT
(B)	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE
(C)	LIQUIDAMBAR STYRACIFLUA	SWEETGUM
(D)	ACER RUBRUM	RED MAPLE
(E)	QUERCUS FALCATA	RED OAK

NOTE
PLANT TWO ALTERNATING ROWS OF TREES ON 15' CENTERS
ON BOTH SIDES OF NEW CHANNEL UNLESS PLANS
INDICATE OTHERWISE.

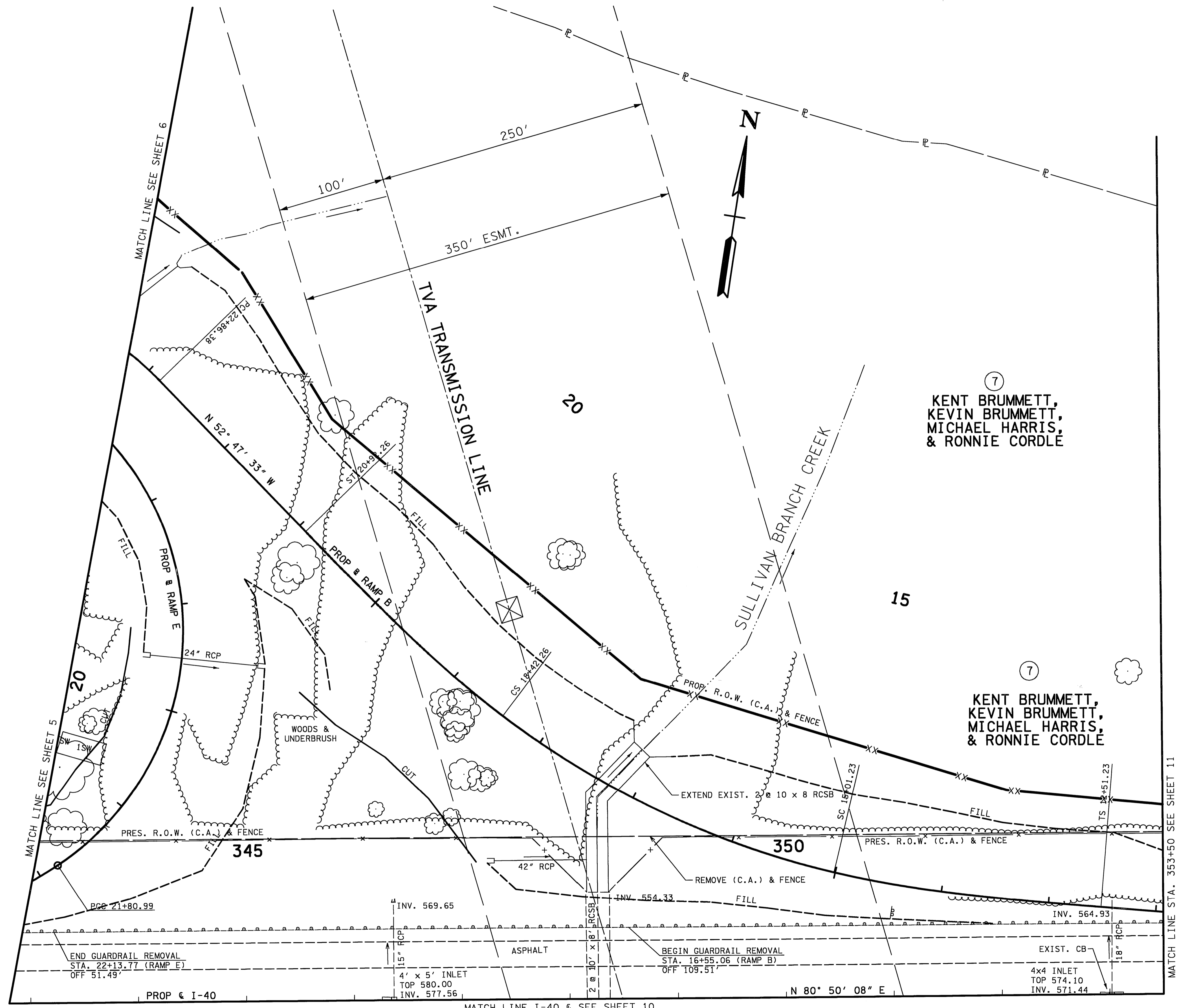
**NOTE: FOR TURNING MOVEMENTS
SEE SHEET NO. 4A**

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT
BECKWITH ROAD
STA. 113+75 TO STA. 126+15
SCALE: 1" = 50'

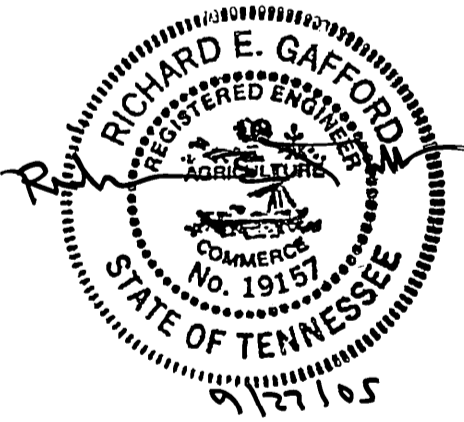
TENNESSEE D.O.T.
 DESIGN DIVISION
 TN 370
 FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		9
CONST.	2005	IM-40-5(129)	9



NOTE: FOR ALL GEOMETRY
 SEE SHEETS 6D & 6E

NOTE: FOR R.O.W. INFORMATION
 THIS SHEET SEE SHEET NO. 9B



COORDINATE VALUES ARE NAD/83(1995)
 AND ARE DATUM ADJUSTED BY THE
 FACTOR 1.00 & TIED TO THE TGRN.

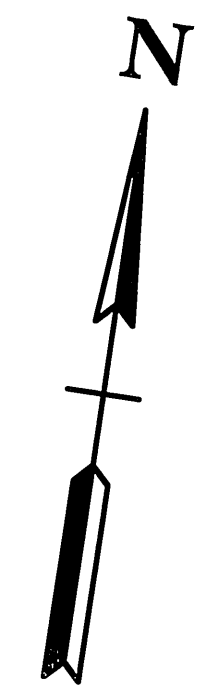
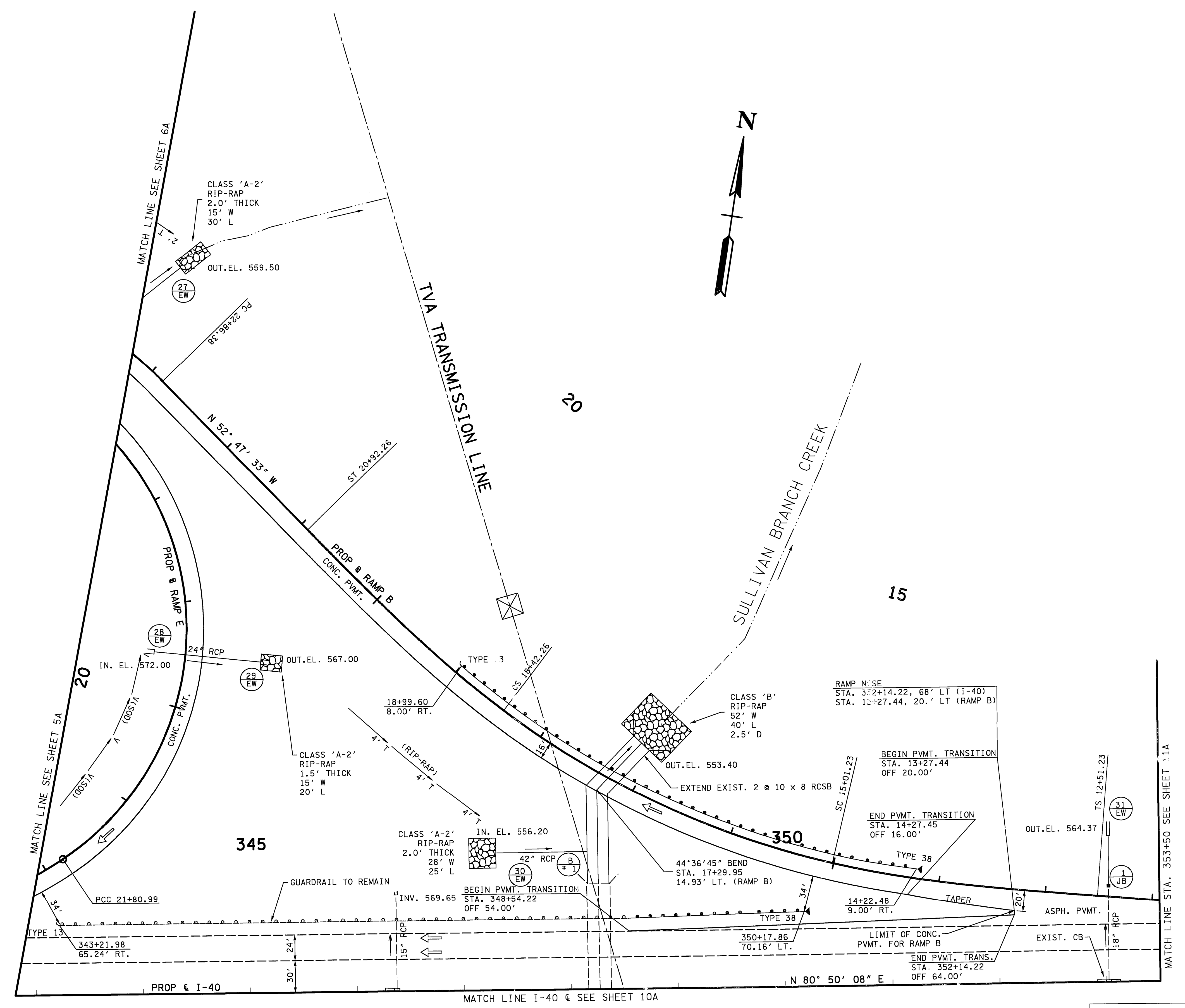
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
PRESENT LAYOUT
 I-40
 STA. 343+80 TO STA. 353+50
 SCALE: 1" = 50'

8/4/2005
 t:\4612\transportation\pres-140-3a.sht

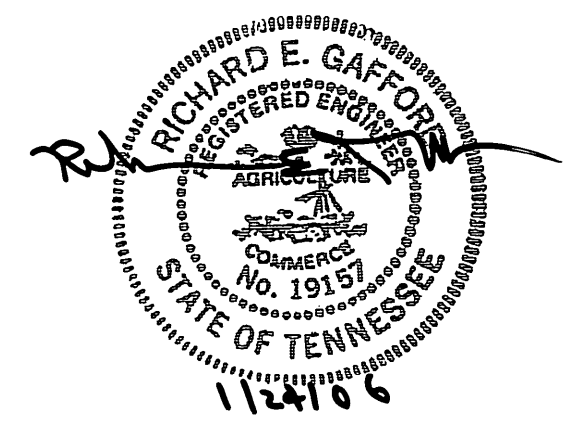
TENNESSEE D.O.T.
 DESIGN DIVISION
 TN 370
 FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		9A
CONST.	2005	IM-40-5(129)	9A

REVISIONS _____
 DATE: 1/18/06
 REVISED I-40 PAVEMENT



NOTE: FOR TURNING MOVEMENTS
 SEE SHEET NO. 4A

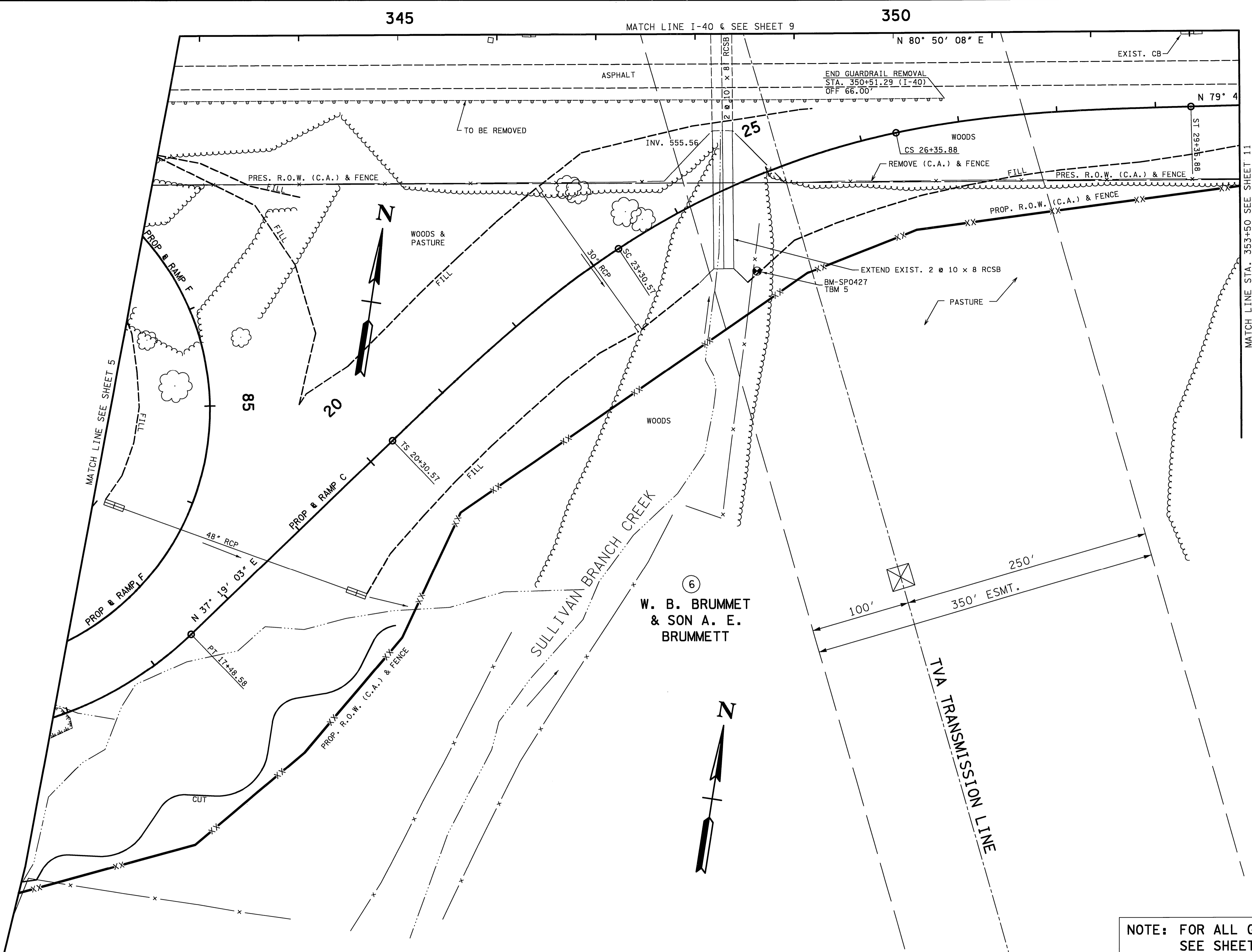


STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
 I-40
 STA. 343+80 TO STA. 353+50
 SCALE: 1" = 50'

1/24/2006 T:\4612\Transportation\Prop-I40-3a.sht

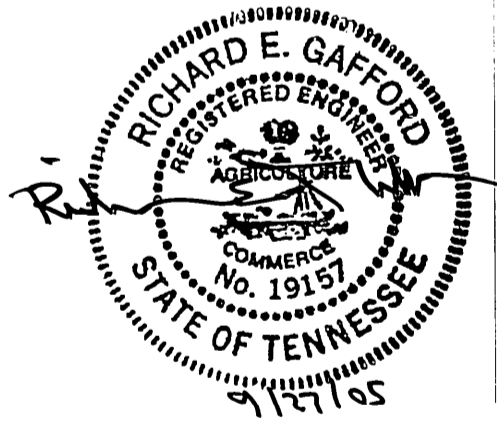
TENNESSEE D.O.T.
 DESIGN DIVISION
 EN-370
 FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		10
CONST.	2005	IM-40-5(129)	10



NOTE: FOR ALL GEOMETRY
 SEE SHEETS 6D & 6E

NOTE: FOR R.O.W. INFORMATION
 THIS SHEET SEE SHEET NO. 10B



COORDINATE VALUES ARE NAD/83(1995)
 AND ARE DATUM ADJUSTED BY THE
 FACTOR 1.00 & TIED TO THE TGRN.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

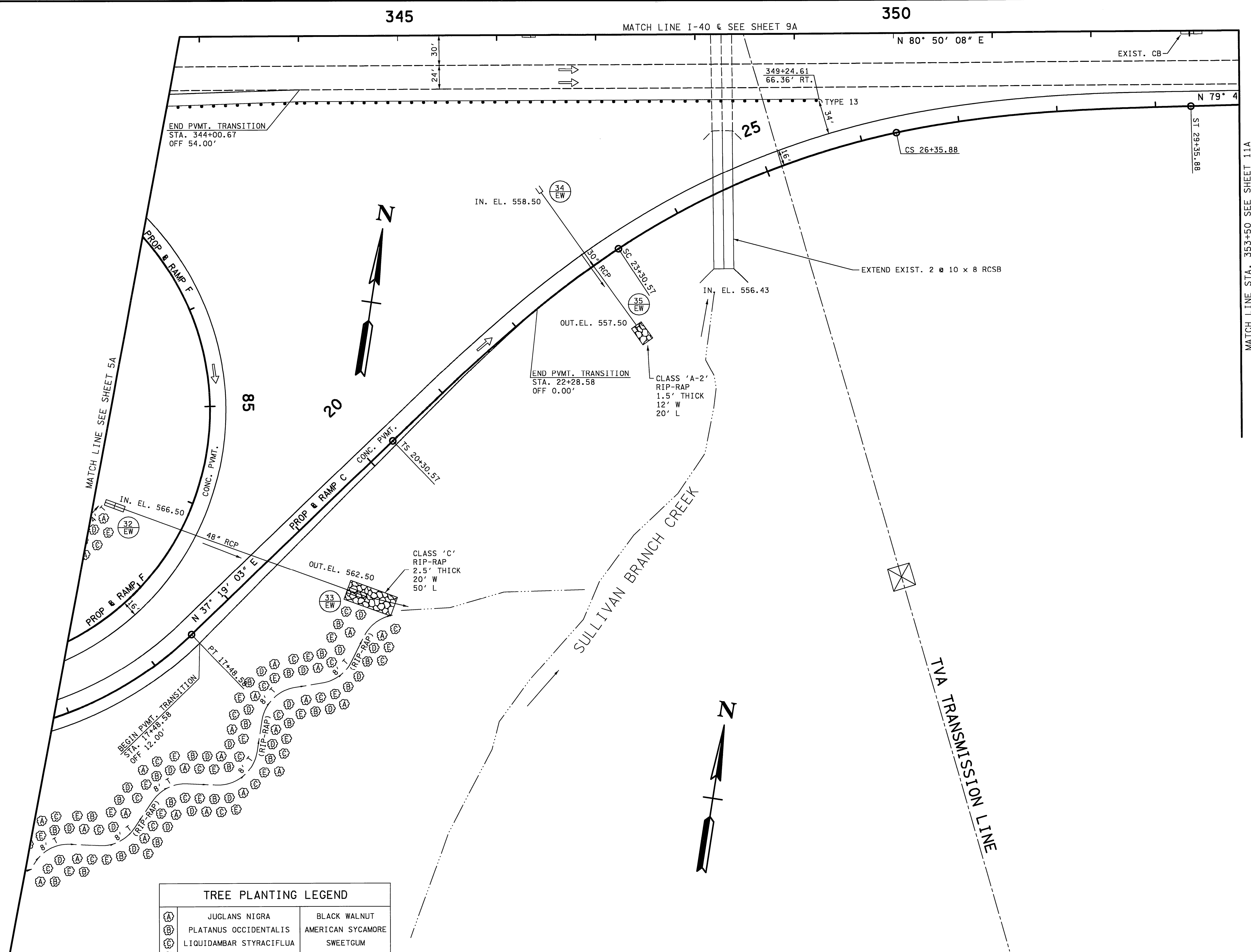
PRESENT LAYOUT
 I-40

STA. 343+80 TO STA. 353+50
 SCALE: 1" = 50'

8/4/2005
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TENNESSEE D.O.T.
 DESIGN DIVISION
 TU-370
 FILE NO.

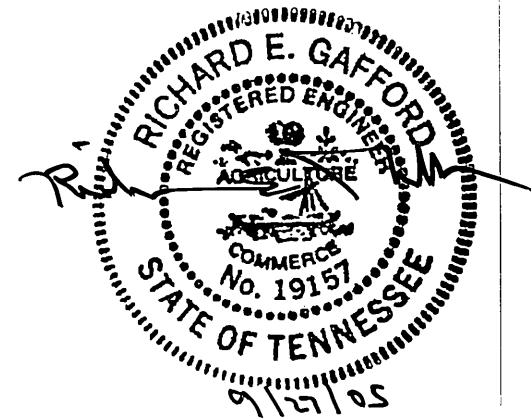
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		10A
CONST.	2005	IM-40-5(129)	10A



(A)	JUGLANS NIGRA	BLACK WALNUT
(B)	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE
(C)	LIQUIDAMBAR STYRACIFLUA	SWEETGUM
(D)	ACER RUBRUM	RED MAPLE
(E)	QUERCUS FALCATA	RED OAK

NOTE
 PLANT TWO ALTERNATING ROWS OF TREES ON 15' CENTERS
 ON BOTH SIDES OF NEW CHANNEL UNLESS PLANS
 INDICATE OTHERWISE.

NOTE: FOR TURNING MOVEMENTS
 SEE SHEET NO. 4A

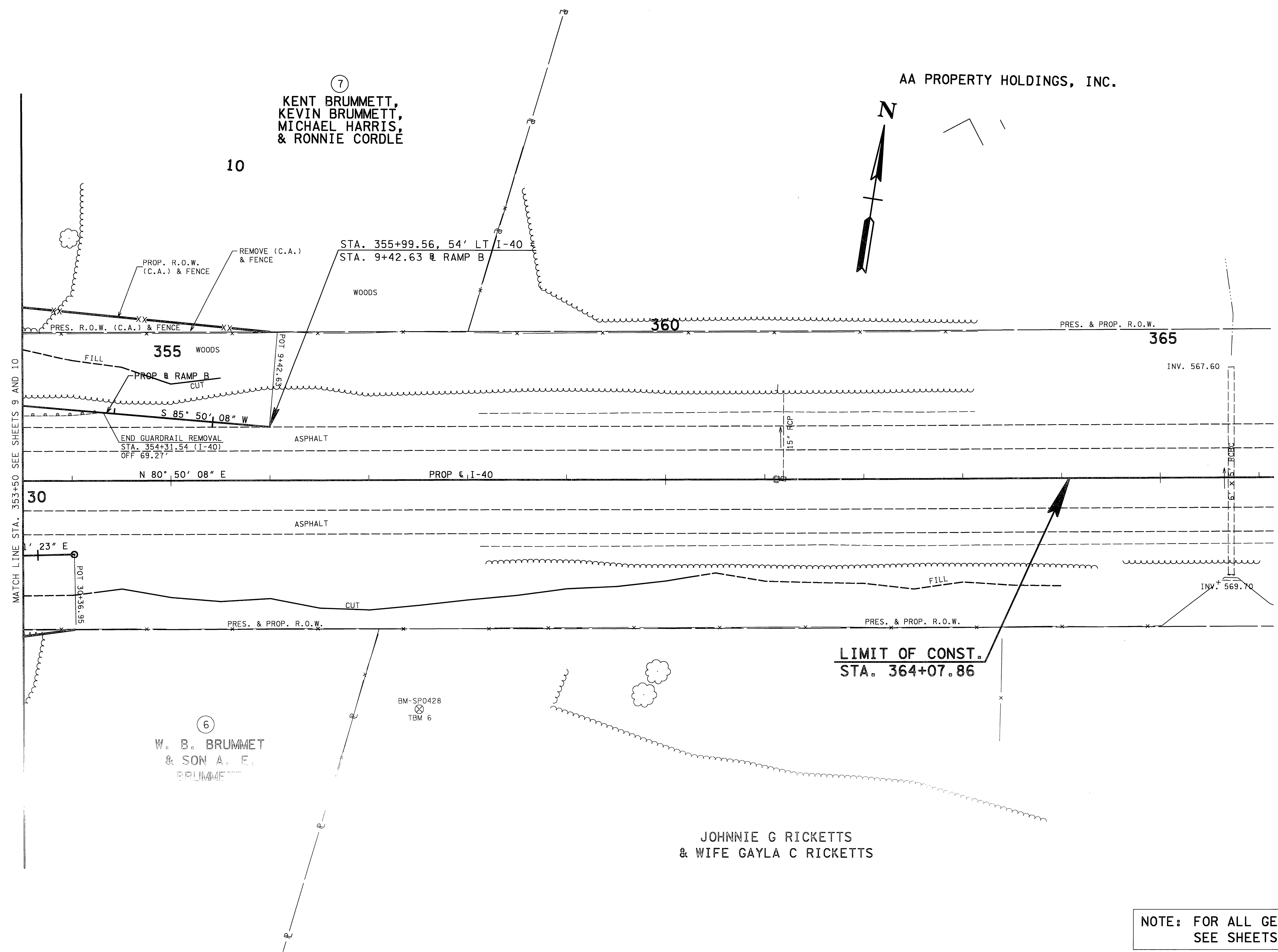


STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
PROPOSED LAYOUT
 I-40
 STA. 343+80 TO STA. 353+50
 SCALE: 1" = 50'

9/9/2005
 I:\4612\transportation\prop-140-3b.sht

TENNESSEE D.O.T.
 DESIGN DIVISION
 DV 370
 FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		11
CONST.	2005	IM-40-5(129)	11



MATCH LINE STA. 353+50 SEE SHEETS 9 AND 10

⑦
 KENT BRUMMETT,
 KEVIN BRUMMETT,
 MICHAEL HARRIS,
 & RONNIE CORDLE

AA PROPERTY HOLDINGS, INC.

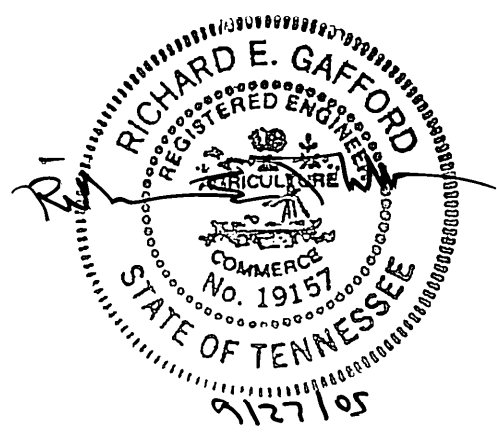
⑥
 W. B. BRUMMETT
 & SON A. E.
 BRUMMETT

JOHNNIE G RICKETTS
 & WIFE GAYLA C RICKETTS

LIMIT OF CONST.
 STA. 364+07.86

NOTE: FOR ALL GEOMETRY
 SEE SHEETS 6D & 6E

NOTE: FOR R.O.W. INFORMATION
 THIS SHEET SEE SHEET NO. 10C



COORDINATE VALUES ARE NAD/83(1995)
 AND ARE DATUM ADJUSTED BY THE
 FACTOR 1.00 & TIED TO THE TGRN.

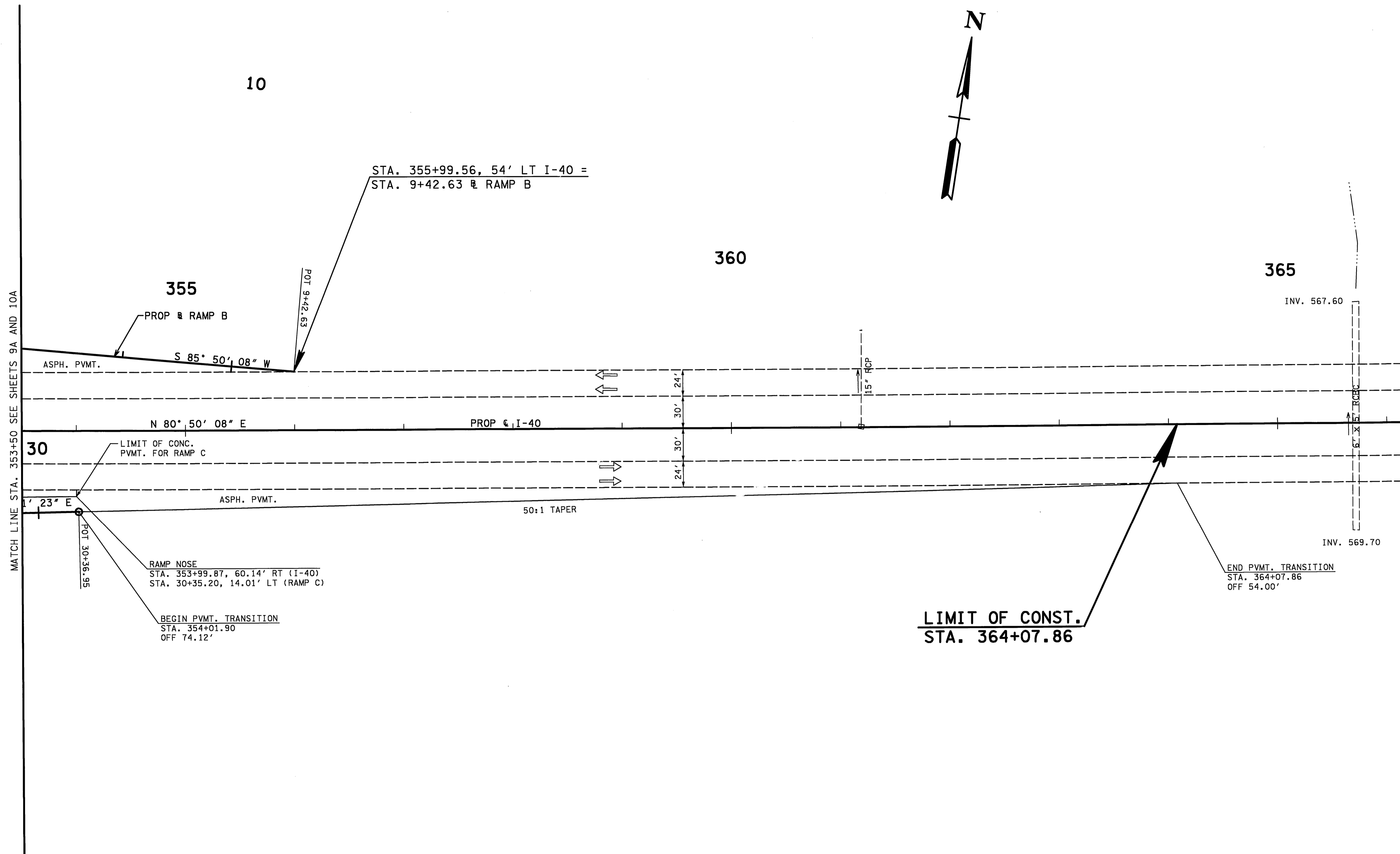
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT
 I-40
 STA. 353+50 TO E.O.P.
 SCALE: 1" = 50'

TENNESSEE D.O.T.
 DESIGN DIVISION
 211-370
 FILE NO.

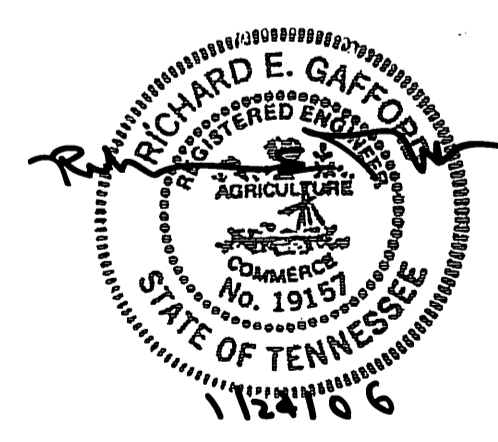
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2004		11A
CONST.	2005	IM-40-5(129)	11A

REVISIONS
 DATE: 1/18/06
 REVISED I-40 PAVEMENT



LIMIT OF CONST.
STA. 364+07.86

NOTE: FOR TURNING MOVEMENTS
 SEE SHEET NO. 4A



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT
 I-40
 STA. 353+50 TO E.O.P.
 SCALE: 1" = 50'

TENN. SEE D.O.T. DESIGN DIVISION FILE NO. 161

Index of Sheets
SEE SHEET NO. 1A-1B

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING AND DEVELOPMENT

TENN.	YEAR	SHEET NO.
	1996	1
FED. AID PROJ. NO.	NH-I-40-5(114)231	
STATE PROJ. NO.	95001-3181-44	

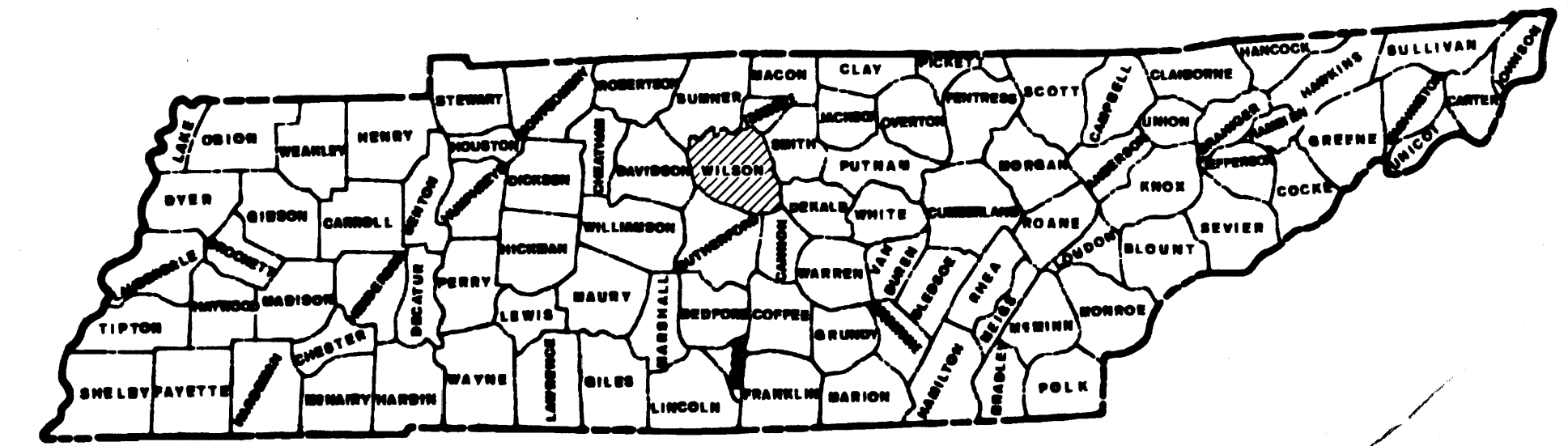
REV. 3-17-97: ADDED ARAP NOTE.

WILSON COUNTY

INTERCHANGE AT S.R. 109 AND I-40

CONSTRUCTION

STATE HIGHWAY NO. 109 F.A.H.S. NO.

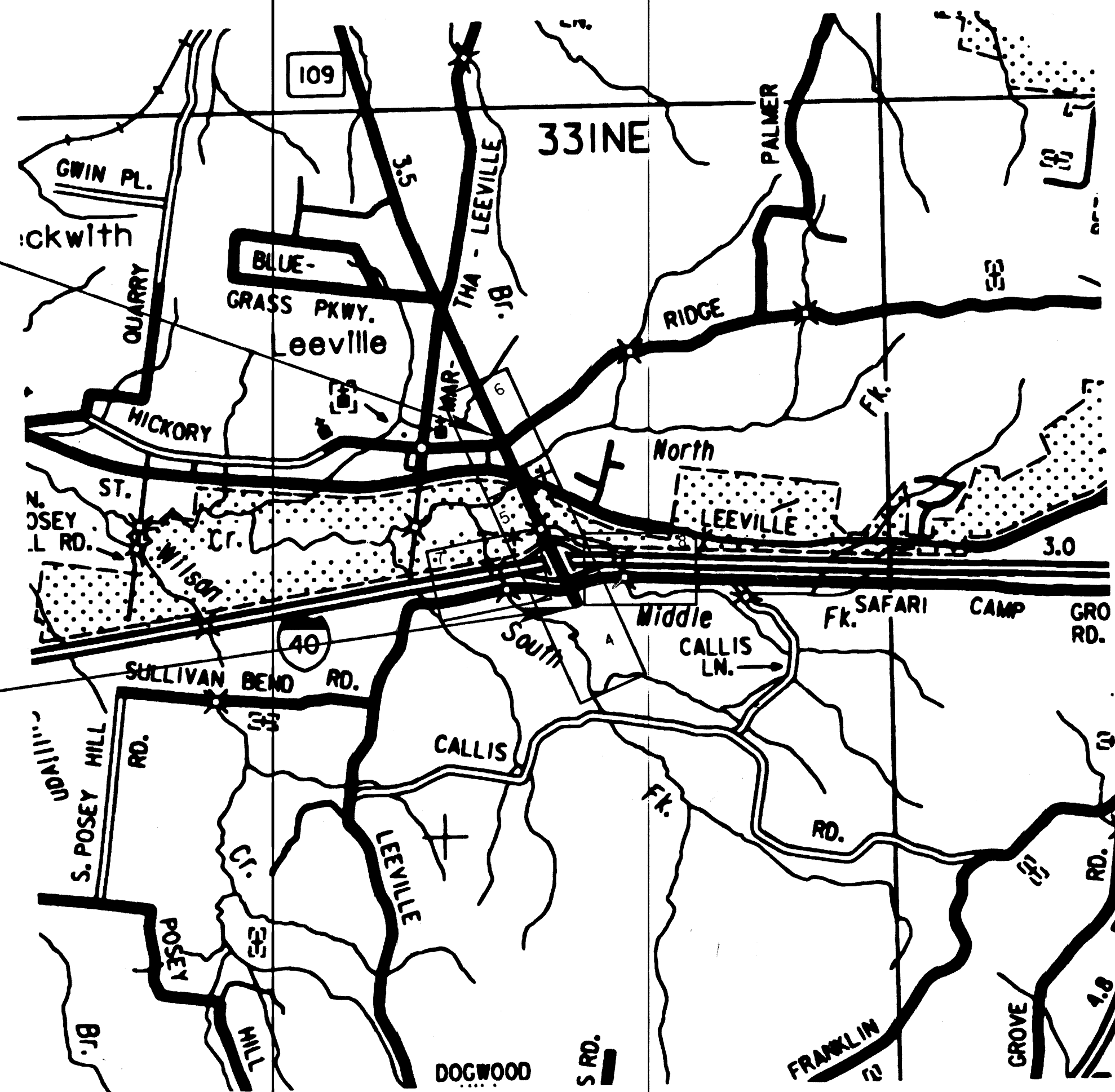
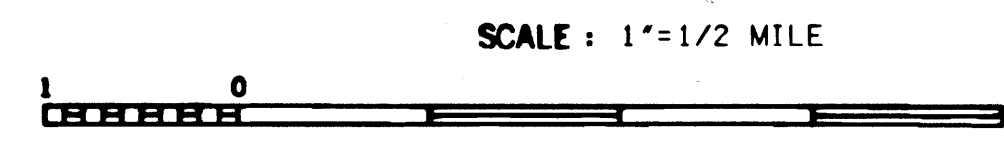


"AQUATIC RESOURCE ALTERATION PERMIT NOS. 96-841 & 96-842 APPLIES TO THIS PROJECT."

NO EQUATIONS
NO EXCLUSIONS

95001-3181-44
END PROJECT NH-I-40-5(114)231 CONST.
STA. 293+00

95001-3181-44
BEGIN PROJECT NH-I-40-5(114)231 CONST.
STA. 245+00



SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 1995 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 1 FREDDY MILLER
DESIGNED BY FLORENCE & HUTCHESON
DESIGNER JERRY D. HUGHES CHECKED BY _____
P.E. NO. 63005-1231-14

ROADWAY LENGTH	0.860 MILES
BRIDGE LENGTH	0.049 MILES
BOX BRIDGE LENGTH	0.012 MILES
PROJECT LENGTH	0.909 MILES



APPROVED: Paul R. Morrison
DIRECTOR, DESIGN DIVISION
DATE _____
APPROVED: John Settle Sr.
COMMISSIONER

TRAFFIC DATA	
ADT (1997)	14,000
ADT (2017)	36,000
DHV (2017)	3,600
D	60-40
T (ADT)	8%
T (DHV)	%
V	60 MPH

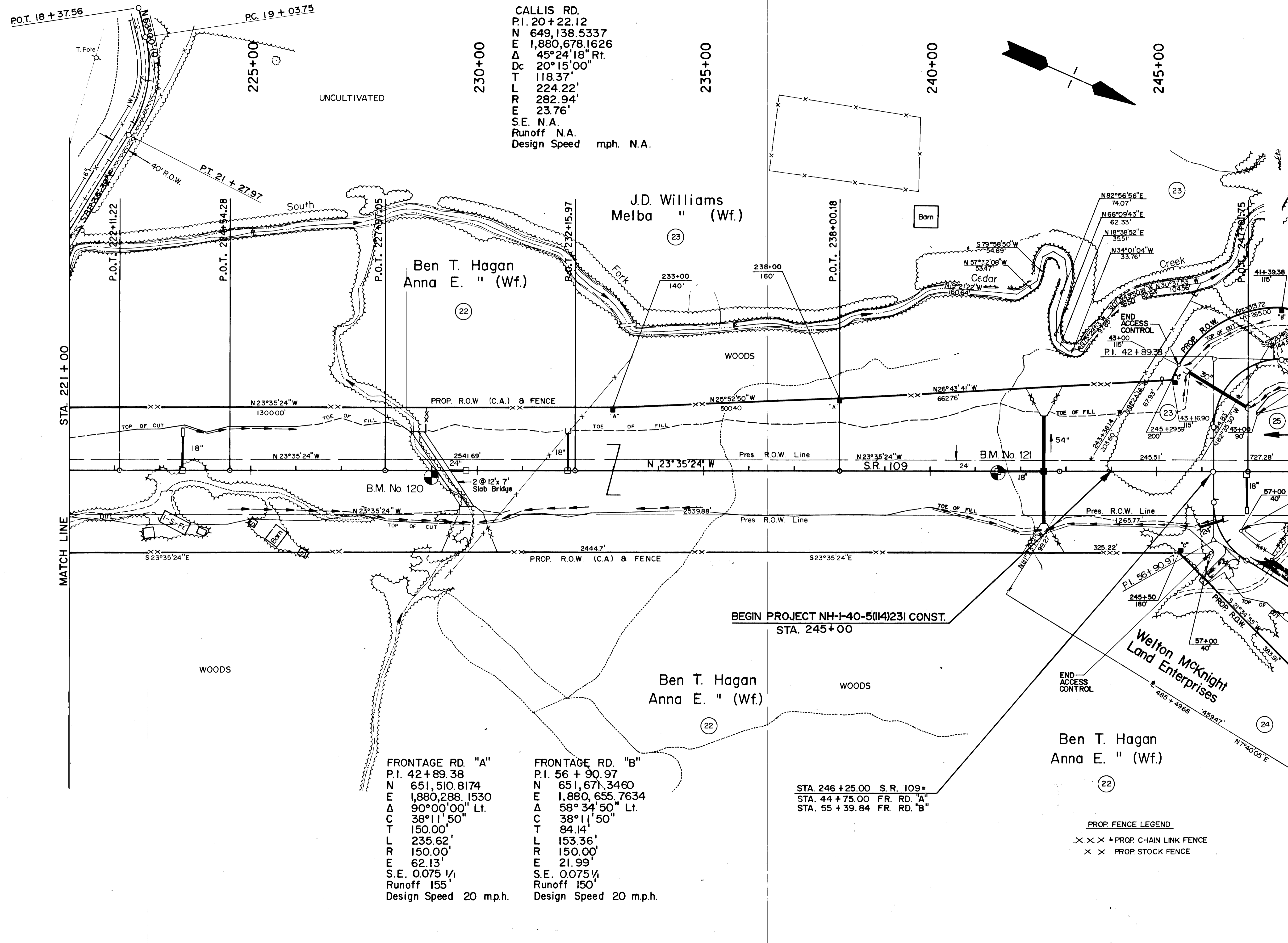
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED: _____
DIVISION ADMINISTRATOR DATE

IN CROSS SECTION FILES DRAWER 162 DEC 96

DESIGN DIVISION
FN
FILE NO. 101

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	11
CONST.	96	NH-1-40-5(114)231	4

Rev. 5-22-90: Moved Fr. Rds. A & B Intersection @ S.R. 109 From Sta. 241+00 To Sta. 246+25. Eliminated Construction Esmt. on Tracts 22 & 23 @ S. Fork Cedar Cr. Revised Prop. R.O.W. & Prop. C.A. & Fence on Tracts 22, 23, 24 & 25. Revised Prop. Const. Slopes, Ditches & Drainage Structures To Coincide w/Above Changes. Removed Alignment & Taper on Ramp 5.
Rev. 8-8-90: Added Ent. to Park & Ride Facility Lt. Sta. 58+38 Fr. Rd. B. Revised Toes of Slope & Prop. C.A. & Fence Location.



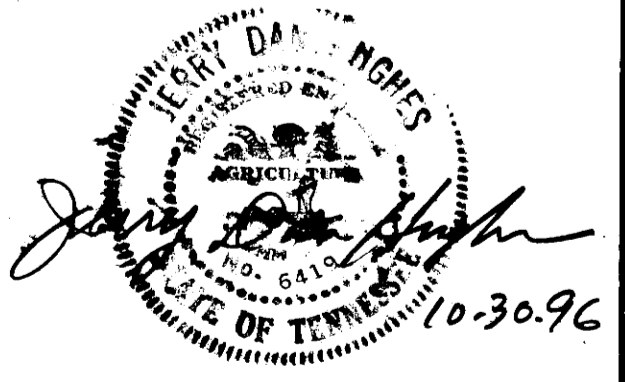
CALLIS RD.
P.I. 20+22.12
N 649,138.5337
E 1,880,678.1626
Δ 45°24'18" Rt.
Dc 20°15'00"
T 118.37'
L 224.22'
R 282.94'
E 23.76'
S.E. N.A.
Runoff N.A.
Design Speed mph. N.A.

FRONTAGE RD. "A"
P.I. 42+89.38
N 651,510.8174
E 1,880,288.1530
Δ 90°00'00" Lt.
C 38°11'50"
T 150.00'
L 235.62'
R 150.00'
E 62.13'
S.E. 0.075 1/1
Runoff 155'
Design Speed 20 m.p.h.

FRONTAGE RD. "B"
P.I. 56+90.97
N 651,671.3460
E 1,880,655.7634
Δ 58°34'50" Lt.
C 38°11'50"
T 84.14'
L 153.36'
R 150.00'
E 21.99'
S.E. 0.075 1/1
Runoff 150'
Design Speed 20 m.p.h.

STA. 246+25.00 S.R. 109=
STA. 44+75.00 FR. RD. "A"
STA. 55+39.84 FR. RD. "B"

PROP. FENCE LEGEND
x x x = PROP. CHAIN LINK FENCE
x x = PROP. STOCK FENCE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT
STATE ROUTE 109
STA. 221+00 TO STA. 248+00
SCALE: 1" = 100'

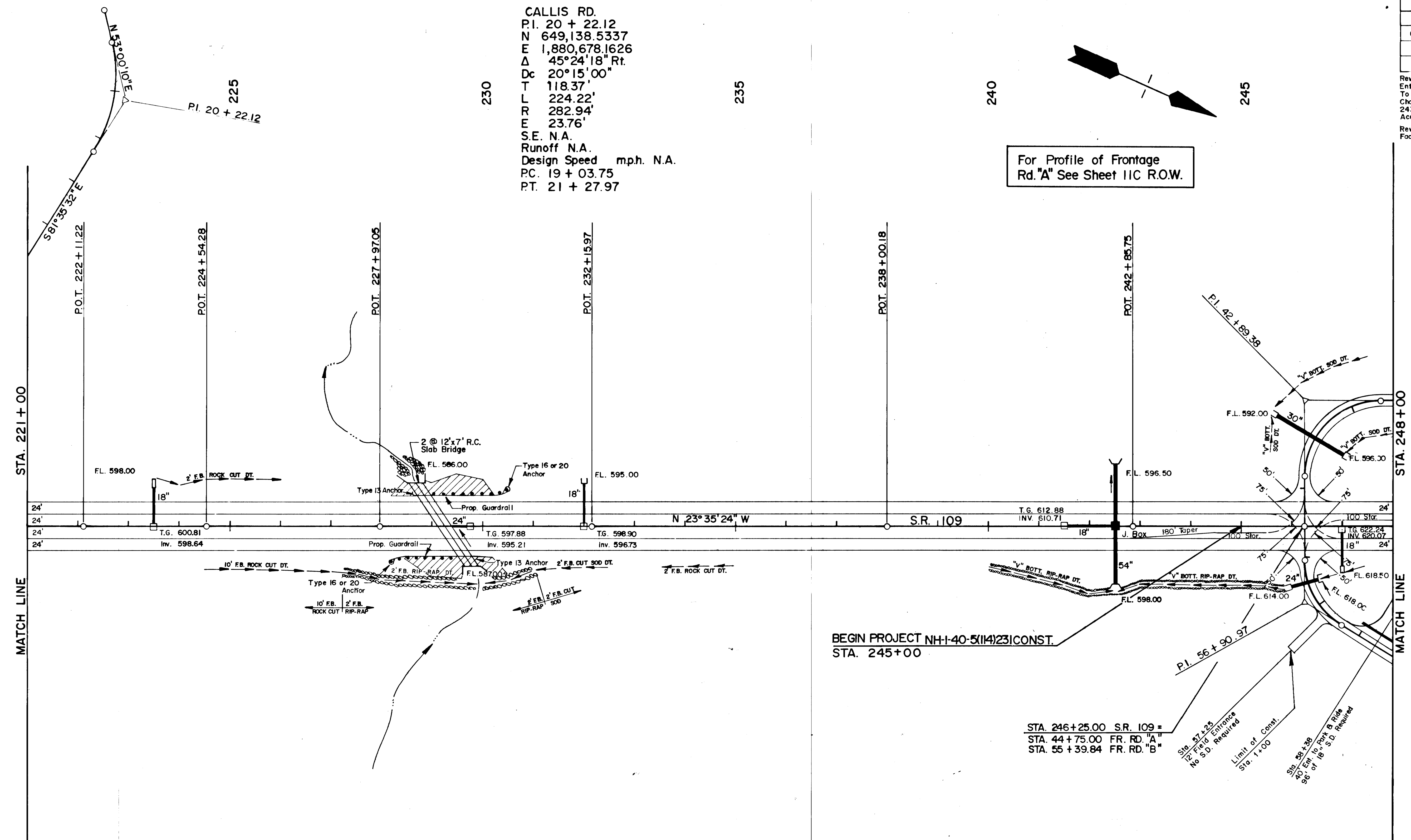
TENNESSEE D. O. T.
 DESIGN DIVISION
 FILE NO. IN 161

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	11A
CONST.	96	NH-I-40-5(14)231	4A

Rev. 5-22-90: Moved Front Rds. A & B Entrances @ S.R. 109 From Sta. 241+00 To Sta. 246+25 To Eliminate Channel - Change in Exist. S. Fork Cedar Cr. Lt. Sta. 243+00 ±. Revised Prop. Drainage To Accommodate Change.
 Rev. 8-8-90: Added Ent. to Park & Ride Facility Lt. Sta. 58+38 Fr. Rd. B.

CALLIS RD.
 P.I. 20 + 22.12
 N 649,138.5337
 E 1,880,678.1626
 Δ 45°24'18" Rt.
 D_c 20°15'00"
 T 118.37'
 L 224.22'
 R 282.94'
 E 23.76'
 S.E. N.A.
 Runoff N.A.
 Design Speed mph. N.A.
 P.C. 19 + 03.75
 P.T. 21 + 27.97

For Profile of Frontage Rd. "A" See Sheet IIC R.O.W.



FRONTAGE RD. "A"
 P.I. 42 + 89.38
 N 651,510.8174
 E 1,880,288.1530
 Δ 90°00'00" Lt.
 C 38°11'50"
 T 150.00'
 L 235.62'
 R 150.00'
 E 62.13'
 S.E. 0.075 1/4
 Runoff 155'
 Design Speed 20 mph.
 P.C. 41 + 39.38
 P.T. 43 + 75.00

FRONTAGE RD. "B"
 P.I. 56 + 90.97
 N 651,671.3460
 E 1,880,655.7634
 Δ 58°34'50" Lt.
 C 38°11'50"
 T 84.14'
 L 153.36'
 R 150.00'
 E 21.99'
 S.E. 0.075 1/4
 Runoff 150'
 Design Speed 20 mph.
 P.C. 56 + 06.83
 P.T. 57 + 60.19

STA. 246+25.00 S.R. 109 =
 STA. 44+75.00 FR. RD. "A"
 STA. 55+39.84 FR. RD. "B"

For Profile of Frontage Rd. "B" See Sheet IID R.O.W.



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT
PROPOSED LAYOUT
 STATE ROUTE 109
 STA. 221+00 TO STA. 248+00
 SCALE: 1" = 100'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	12
CONST.	96	NH-40-51141231	5

For Roadway Curve Data, See Geometric Layout, Sht. 12B R.O.W.

REV. 5-22-90: REVISED PROP. R.O.W. & PROP. C.A. & FENCE ON TRACTS 23, 24, & 25. CHANGED FR. RD. 'B' ALIGNMENT FROM STA. 62+79.84 BACK. REVISED PROP. CONST. SLOPES TO AGREE W/ABOVE CHANGES. REMOVED SLOPE ESM 'T.' & REVISED CH.-CH. ON TRACT 33.

REV. 8-8-90: ADDED PARK & RIDE FACILITY LT. STA. 60+00 & FR. RD. B. REVISED TOE OF SLOPE & PROP. C.A. & FENCE LOCATION. ADDED UNDERGROUND TANK FILL CAPS, VENT PIPES, & PUMP BOXES RT. STA. 254+00±.

REV. 3-6-91: ADDED EXISTING NATURAL GAS AND SANITARY SEWER LINES.

REV. 8-16-95: REVISED PROPERTY OWNERS FOR TRACTS 29 & 31.

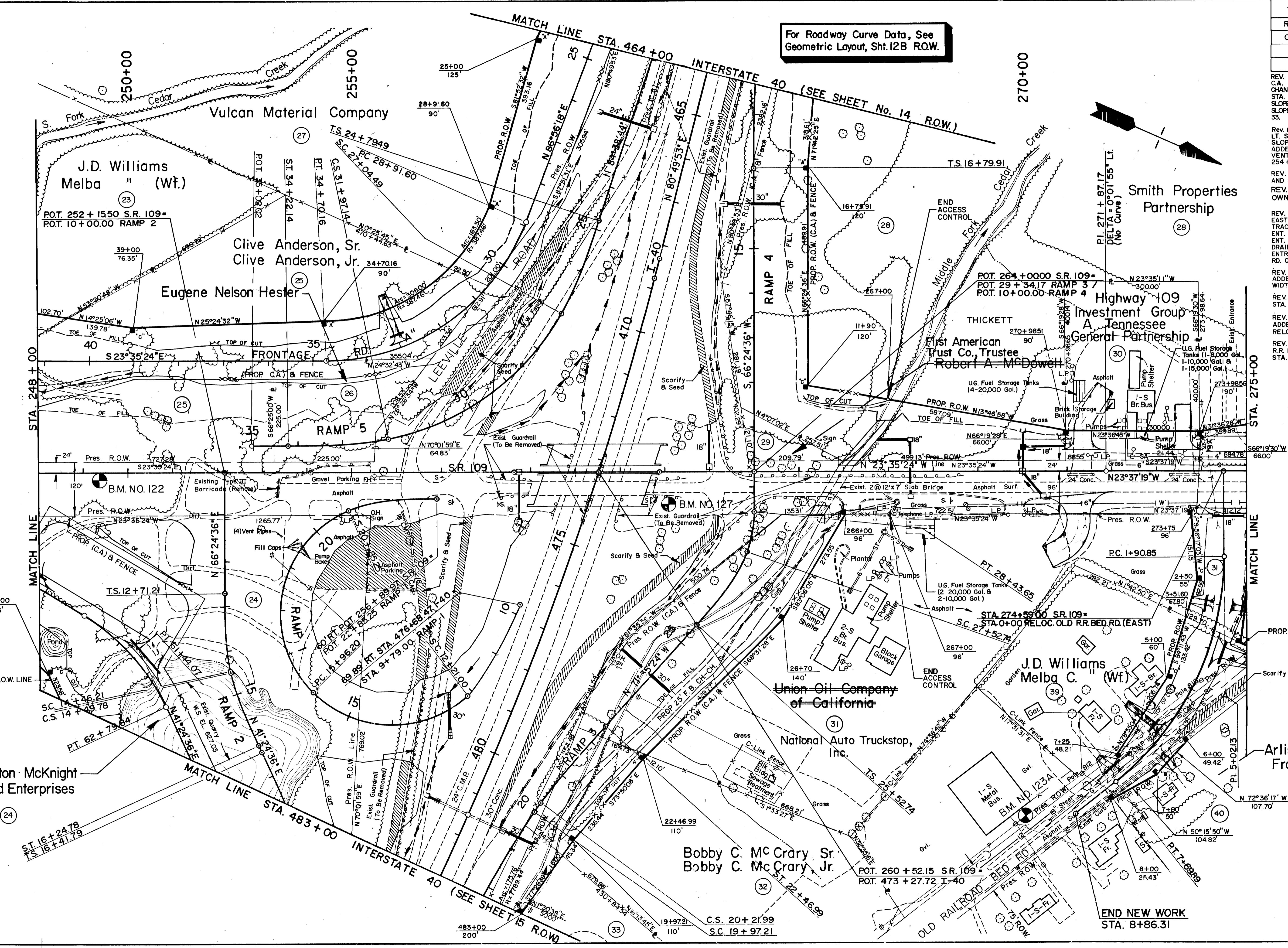
REV. 10-25-95: ADDED RELOC. OLD R.R. BED RD. EAST TO PLAN. REVISED PROP. R.O.W. ON TRACT 31. ADDED TRACT 39 & 40. ADDED EXIST. ENT. LT. STA. 274+60±. DELETED COMMERCIAL ENT. LT. STA. 273+60 S.R. 109. REVISED PROP. DRAINAGE FOR CHANGES. ADDED PROP. ENTRANCES ON NEW EAST RELOC. OLD R.R. BED RD. CONNECTOR.

REV. 1-10-96: ADDED 12' LANE TO S.R. 109 LT. ADDED 8' WIDTH TO RAMP 3 LT. ADDED 8' WIDTH TO RAMP 4 RT.

REV. 2-25-97: ADDED COMMERCIAL ENT. LT. STA. 273+60 S.R. 109

REV. 3-17-97: REVISED FIELD ENT. AND ADDED FRONTAGE RD. AT STA. 4+00 LT. RELOC. OLD RAILROAD BED RD. EAST.

REV. 5-15-97: ADDED 12' LANE TO RELOC. OLD R.R. BED RD. EAST. ADDED SIGNAL POLES AT STA. 274+00 LT. AND STA. 273+90 RT.



John C. High
10.30.96

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT
STATE ROUTE 109
STA. 248+00 TO STA. 275+00
SCALE: 1" = 100'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	12A
CONST.	96	NH-40-5(114)231	5A

Rev 5-22-90: Changed Fr. Rd. "B" Alignment From Sta. 62+79.84 Back. Changed Alignment & Taper On Ramp 5.

Rev. 8-8-90: Added Park & Ride Facility Lt. Sta. 60+00±; Fr. Rd. B & Revised Limits of Crown Vetch. Added Future Park & Ride Facility Lt. Sta. 37+00±; Fr. Rd. A.

Rev. 11-7-90: Revised The Lane Width Dimensions On Frontage Rd "A"

Rev. 9-27-95: Revised Ramp Nose.

REV. 10-25-95: ADDED RELOC. OLD R.R. BED RD. EAST TO PLAN. ADDED EXIST. ENT. LT. STA. 274+00. REVISED PROP. DRAINAGE FOR CHANGES DELETED COMMERCIAL ENT. LT. STA. 273.60 S.R. 109.

REV. 1-10-96: ADDED 12' LANE TO S.R. 109 LT. ADDED 8' WIDTH TO RAMP 3 LT. ADDED 8' WIDTH TO RAMP 4 RT.

REV. 2-25-97: ADDED COMMERCIAL ENT. LT. STA. 273+60 S.R. 109.

REV. 3-17-97: REVISED FIELD ENT. AND ADDED FRONTAGE RD. AT STA. 4+00 LT. RELOC. OLD RAILROAD BED RD. EAST.

REV. 5-15-97: ADDED 12' LANE TO RELOC. OLD R.R. BED RD. EAST. ADDED SIGNAL POLES AT STA. 273+90 RT. AND STA. 274+00 LT. ADDED NOTE ABOUT SIGNAL ATTACHMENT HEIGHTS.

REV. 2-10-98: REVISED OFFSET OF SIGNAL POLE LEFT OF THE SR-109 CENTERLINE.

For Profile of Frontage Rd. A,
See Sheet 11C R.O.W.

For Profile of Frontage Rd. B,
See Sheet 11D R.O.W.

For Roadway Curve Data, See
Geometric Layout, Sht. 12B R.O.W.

For Profile of Existing I-40
See Sheet 12D R.O.W.

SEE SHEET NO. 20L FOR
SIGNAL ATTACHMENT
HEIGHTS.

For Profile of Ramps 1 &
2, See Sheet 12E R.O.W.

For Profile of Reloc. Old
Railroad Bed Road East,
See Sheet No. 13C R.O.W.

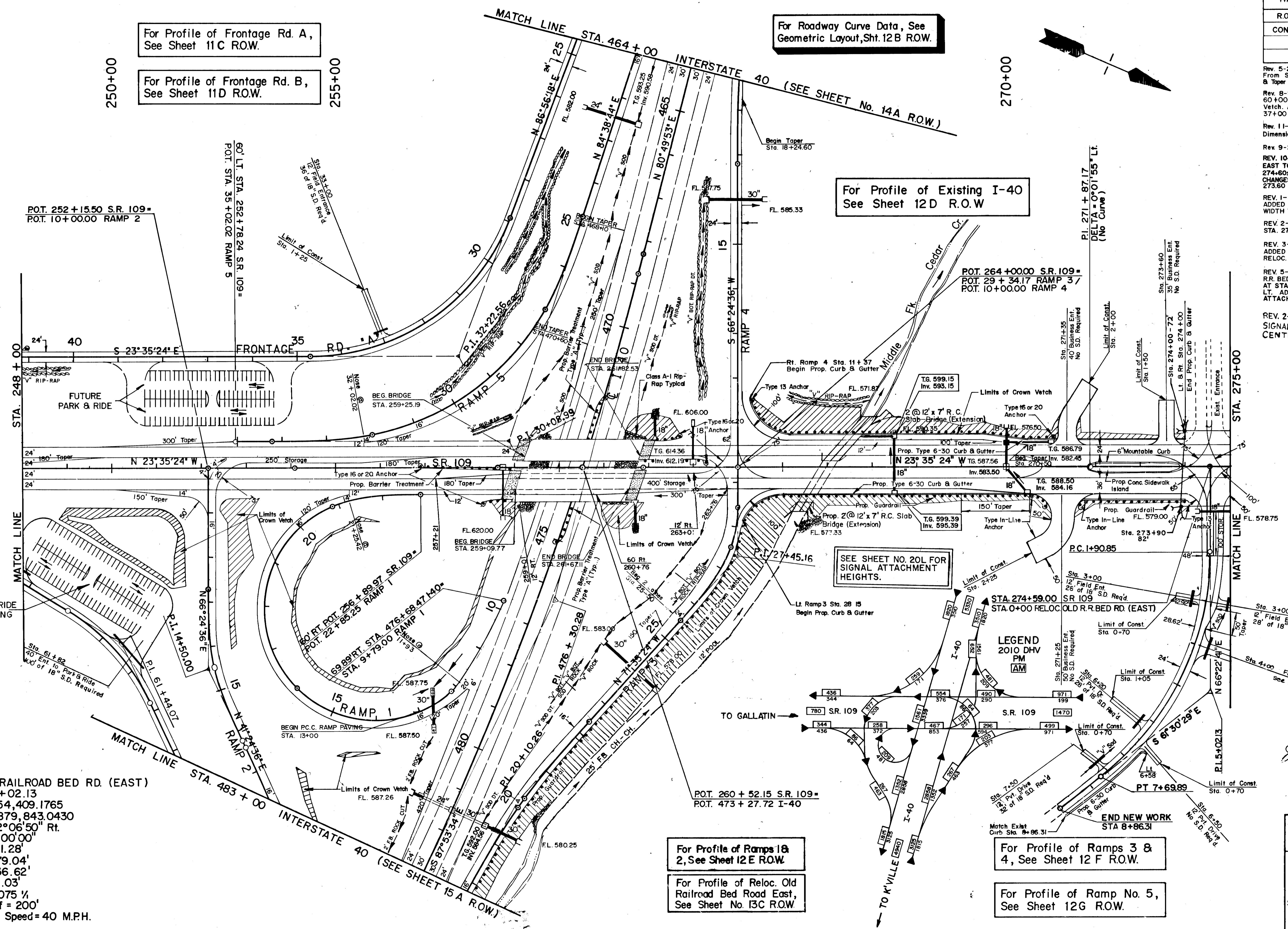
For Profile of Ramps 3 &
4, See Sheet 12F R.O.W.

For Profile of Ramp No. 5,
See Sheet 12G R.O.W.

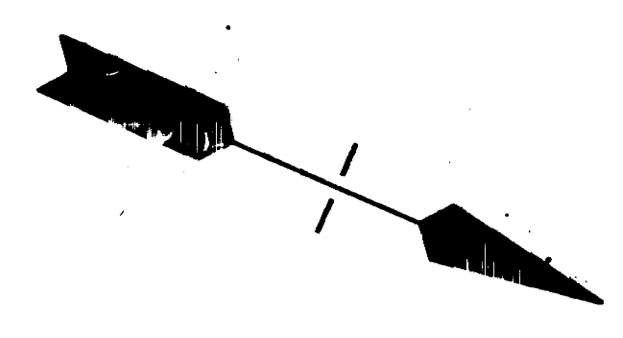
RELOC. OLD RAILROAD BED RD. (EAST)
P.I. 5+02.13
N 654,409.1765
E 1,879,843.0430
Δ 52°06'50" Rt.
D 9°00'00"
T 311.28'
L 579.04'
R 636.62'
E 72.03'
e = 0.075 1/4
Runoff = 200'
Design Speed = 40 M.P.H.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED LAYOUT
STATE ROUTE 109
STA. 248+00 TO STA 275+00
SCALE 1" = 100'



DESIGNER: J. W. JONES
FILE NO. 114-231-5A



DESIGN DIVISION
 FILE NO. FN-111

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	13
CONST.	96	NH-1-40-5(114)231	6

REV 5-11-90: ADDED PROP. R.O.W. PLUS 8' DISTANCE LT. STA. 39+37.78 OLD RAILROAD BED RD. AND ADDED PROP. R.O.W. PLUS LT. STA. 282+69.49 S.R. 109.

REV. 3-6-91: ADDED EXISTING NATURAL GAS AND SANITARY SEWER LINES.

REV. 10-25-95: SHIFTED WEST CONNECTION FOR RELOC. OLD RR. BED RD. FROM STA. 278+00 TO STA. 284+00. ELIMINATED EAST CONNECTION SHOWN AT STA. 278+00. REVISED PROP. R.O.W. ON TRACTS 28.31 & 37. ELIMINATED TRACTS 35 & 38. REVISED PROP. DRAINAGE, CONST. SLOPES, PVT. DR./ENT. LOCATIONS, ETC. TO AGREE WITH RELOC. OLD RR. BED RD. SHIFT. REVISED S.R. 109 MEDIAN DRAINAGE.

REV. 4-16-96: REVISED PROPOSED R.O.W. ON TRACT 37.

REV. 3-17-97: REVISED FIELD ENT. AND ADDED FRONTAGE RD. AT STA. 4+00 LT. RELOC. OLD RAILROAD BED RD. EAST. CHANGED AREA TO BE SHAPED, DRAIN, SCARIFIED & SEEDED ON EXIST. OLD RAILROAD BED RD. EAST.

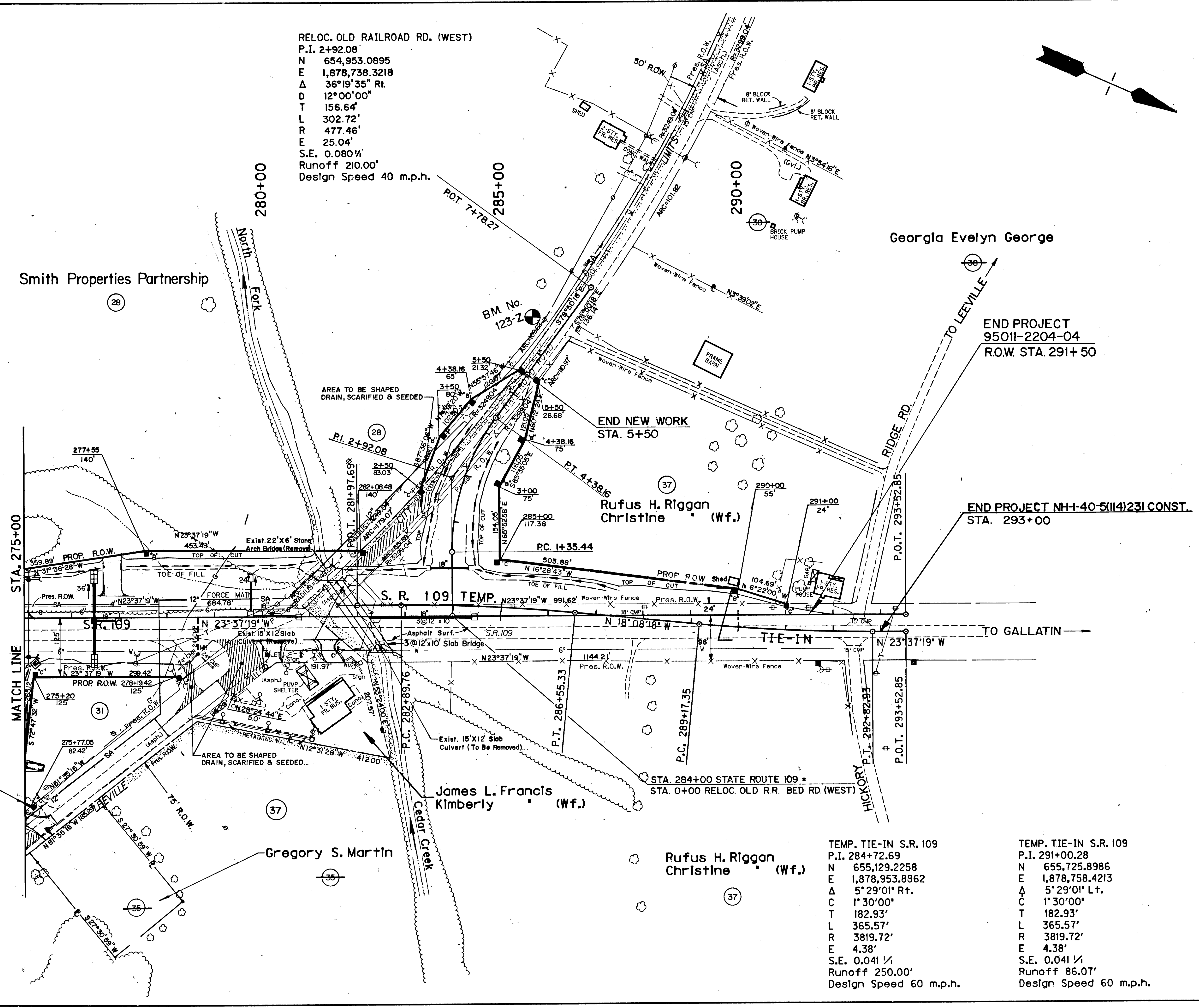
REV. 4-1-97: REVISED SLOPES AND ADDED A SPECIAL DITCH FROM STA. 275+00 TO STA. 281+20 LT. S.R. 109.

REV. 5-15-97: ADDED 12' LANE TO RELOC. OLD RR. BED RD. EAST. ADDED SIGNAL POLES AT STA. 275+10 LT. AND RT.

REV. 5-4-98: REVISED SCARIFIED LIMITS ON EXISTING OLD R.R. BED ROAD EAST. ADDED ENTRANCE AT STA. 276+85 LEFT.

REV. 10-8-98: ADDED C.B. STA. 280+70 & 18" PIPE TO CONNECT TO C.B. STA. 279+75.

RELOC. OLD RAILROAD RD. (WEST)
 P.I. 2+92.08
 N 654,953.0895
 E 1,878,738.3218
 Δ 36°19'35" Rt.
 D 12°00'00"
 T 156.64'
 L 302.72'
 R 477.46'
 E 25.04'
 S.E. 0.080%
 Runoff 210.00'
 Design Speed 40 m.p.h.



Georgia Evelyn George

END PROJECT
 95011-2204-04
 R.O.W. STA. 291+50

END PROJECT NH-1-40-5(114)231 CONST.
 STA. 293+00

END NEW WORK
 STA. 5+50

TEMP. TIE-IN S.R. 109
 P.I. 284+72.69
 N 655,129.2258
 E 1,878,953.8862
 Δ 5°29'01" Rt.
 C 1°30'00"
 T 182.93'
 L 365.57'
 R 3819.72'
 E 4.38'
 S.E. 0.041%
 Runoff 250.00'
 Design Speed 60 m.p.h.

TEMP. TIE-IN S.R. 109
 P.I. 291+00.28
 N 655,725.8986
 E 1,878,758.4213
 Δ 5°29'01" Lt.
 C 1°30'00"
 T 182.93'
 L 365.57'
 R 3819.72'
 E 4.38'
 S.E. 0.041%
 Runoff 86.07'
 Design Speed 60 m.p.h.



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT

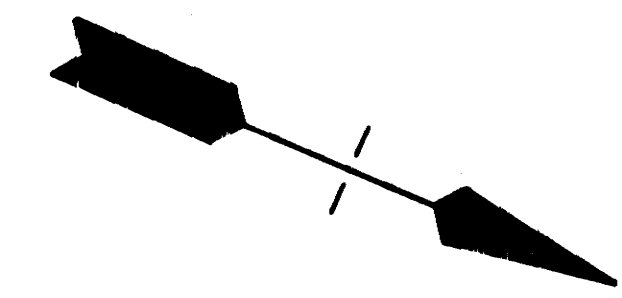
PRESENT LAYOUT
 STATE ROUTE 109
 STA. 275+00 TO END OF PROJ.
 SCALE 1"=100'

DESIGN DIVISION
 FILE NO. 161-1

RELOC. OLD RAILROAD BED RD. (WEST)

P.I. 2+92.08
 N 654,953.0895
 E 1,878,738.3218
 Δ 36°19'35" Rt.
 C 12°00'00"
 T 156.64'
 L 302.72'
 R 477.46'
 E 25.04'
 S.E. 0.08%,
 Runoff 210'
 Design Speed=40 M.P.H.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	13A
CONST.	96	NH-1-40-5(14)231	6A



REV. 10-25-95: SHIFTED WEST CONNECTION FOR RELOC. OLD R.R. BED RD. FROM STA. 278+00 TO STA. 284+00. ELIMINATED EAST CONNECTION SHOWN @ STA. 278+00. REVISED PROP. DRAINAGE, PVT. DR./ENT., ETC. TO AGREE WITH RELOC. OLD R.R. BED RD. SHIFT. REVISED S.R. 109 MEDIAN DRAINAGE.

REV. 4-16-96: REVISED SOUTH BOUND P.V.M.T. TAPER @ END OF PROJECT.

REV. 3-17-97: REVISED FIELD ENT. AND ADDED FRONTAGE RD. AT STA. 4+00 LT. RELOC. OLD RAILROAD BED RD. EAST.

REV. 4-1-97: ADDED SPECIAL DITCH FROM STA. 275+00 TO STA. 281+20 LT. S.R. 109.

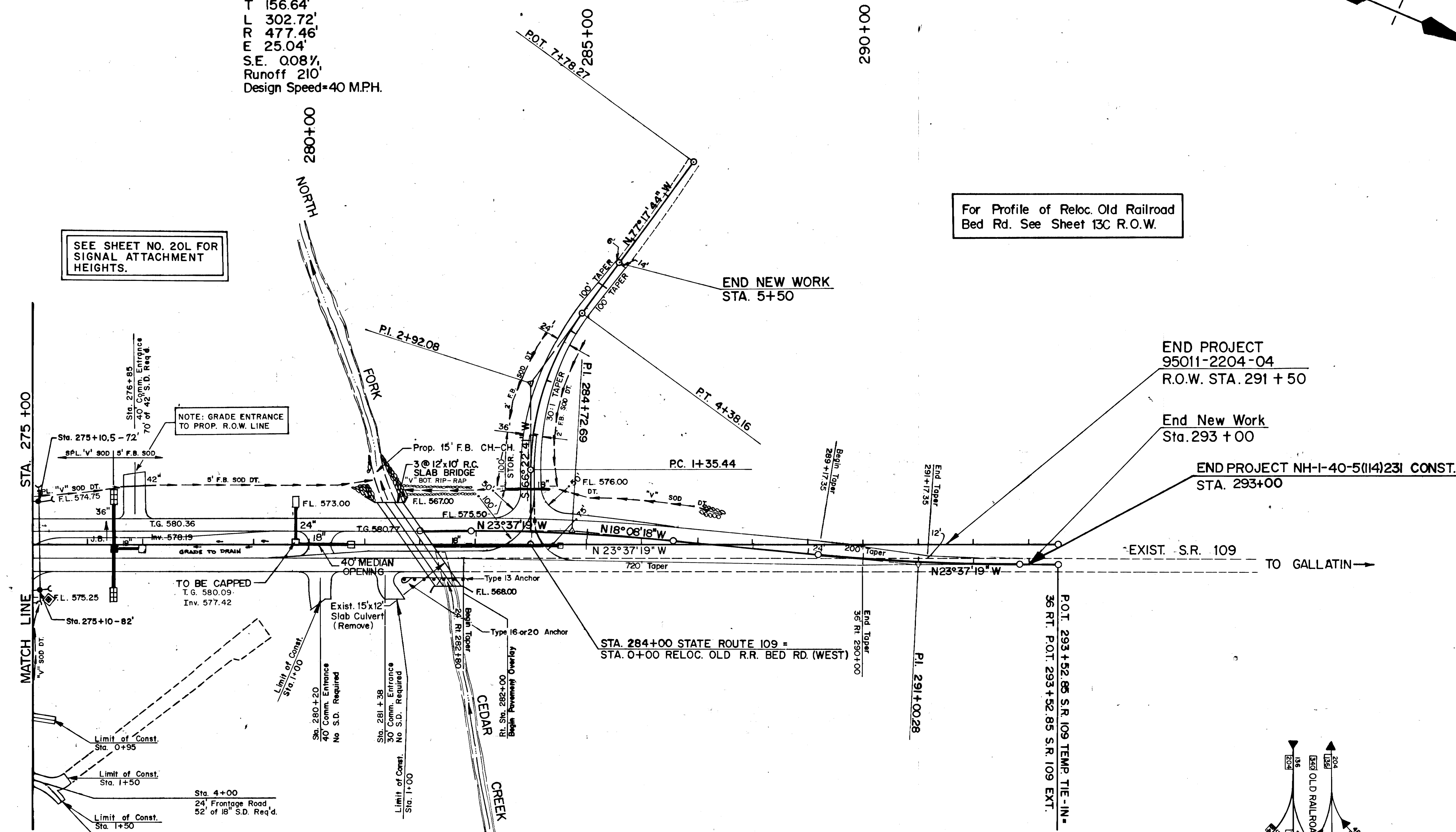
REV. 5-15-97: ADDED 12' LANE TO RELOC. OLD R.R. BED RD. EAST. ADDED SIGNAL POLES AT STA. 275+10 LT. AND RT. ADDED NOTE ABOUT SIGNAL ATTACHMENT HEIGHTS.

REV. 2-10-98: REVISED STATION AND OFFSET OF SIGNAL POLE LOCATED LEFT OF THE CENTERLINE.

REV. 5-4-98: EXTENDED LIMIT OF EXISTING OLD R.R. BED ROAD EAST. ADDED ENTRANCE AT STA. 276+85 LEFT.

REV. 10-8-98: ADDED 40' MEDIAN OPENING, NOTE TO CAP C.B. STA. 279+75, ADDED C.B. STA. 280+70 & CONNECT TO C.B. STA. 279+75 W/ 18' R.C.P.

For Profile of Reloc. Old Railroad Bed Rd. See Sheet 13C R.O.W.



SEE SHEET NO. 20L FOR SIGNAL ATTACHMENT HEIGHTS.

NOTE: GRADE ENTRANCE TO PROP. R.O.W. LINE

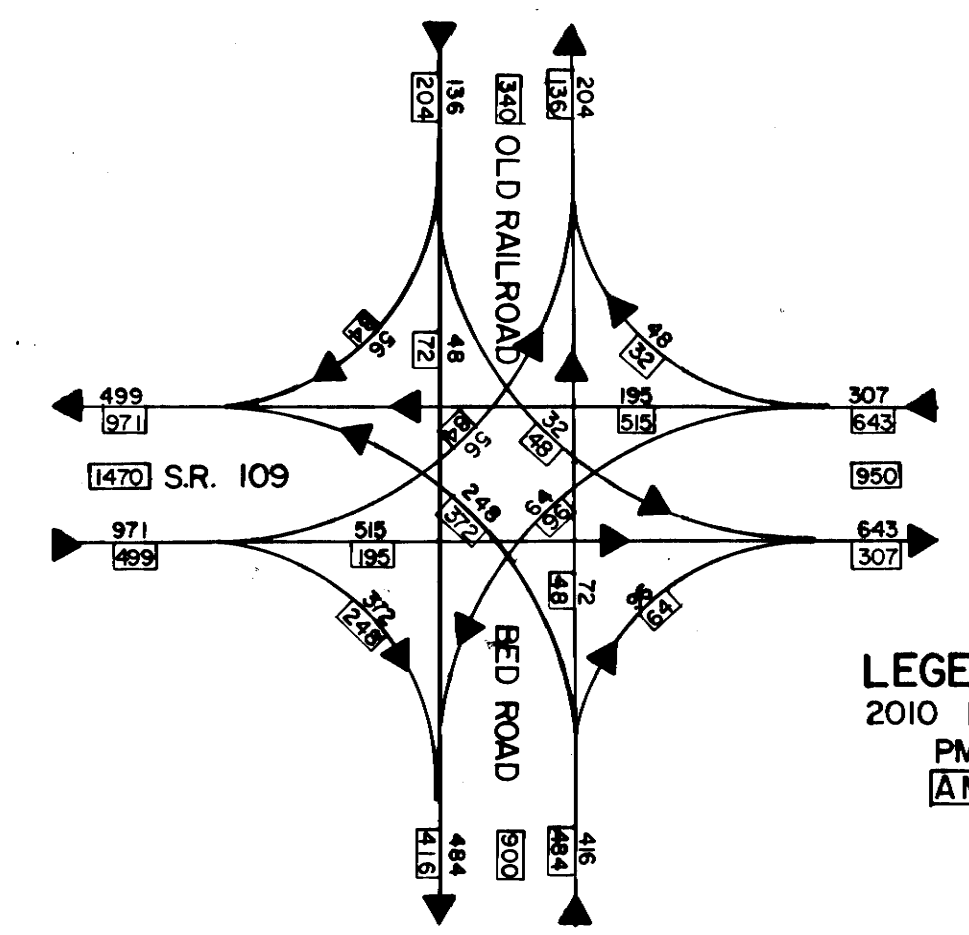
END PROJECT 95011-2204-04 R.O.W. STA. 291 + 50

End New Work Sta. 293 + 00

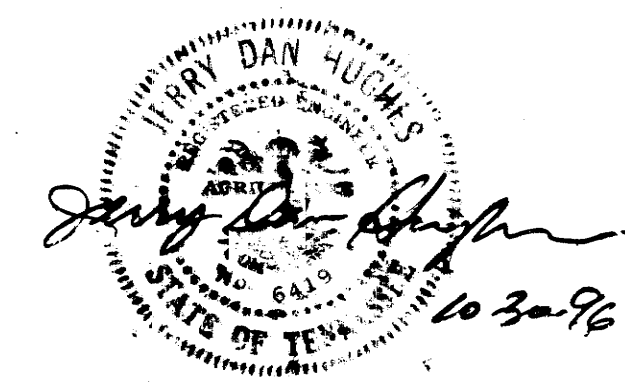
END PROJECT NH-1-40-5(14)231 CONST. STA. 293+00

STA. 284+00 STATE ROUTE 109 = STA. 0+00 RELOC. OLD R.R. BED RD. (WEST)

S.R. 109 TEMP. TIE - IN
 P.I. 284+72.69 P.I. 291+00.28
 N 655,129.2258 N 655,725.8986
 E 1,878,953.8862 E 1,878,758.4213
 Δ 5°29'01" Rt. Δ 5°29'01" Lt.
 C 1°30'00" C 1°30'00"
 T 182.93' T 182.93'
 L 365.57' L 365.57'
 R 3819.72' R 3819.72'
 E 4.38' E 4.38'
 S.E. 0.041% S.E. 0.041%
 Runoff 250' Runoff 86.07'
 Design Speed = 60 M.P.H. Design Speed = 60 M.P.H.



LEGEND
 2010 DHV
 PM
 AM



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT
 PROPOSED LAYOUT
 STATE ROUTE 109
 STA. 275+00 TO END OF PROJ.
 SCALE 1" = 100'

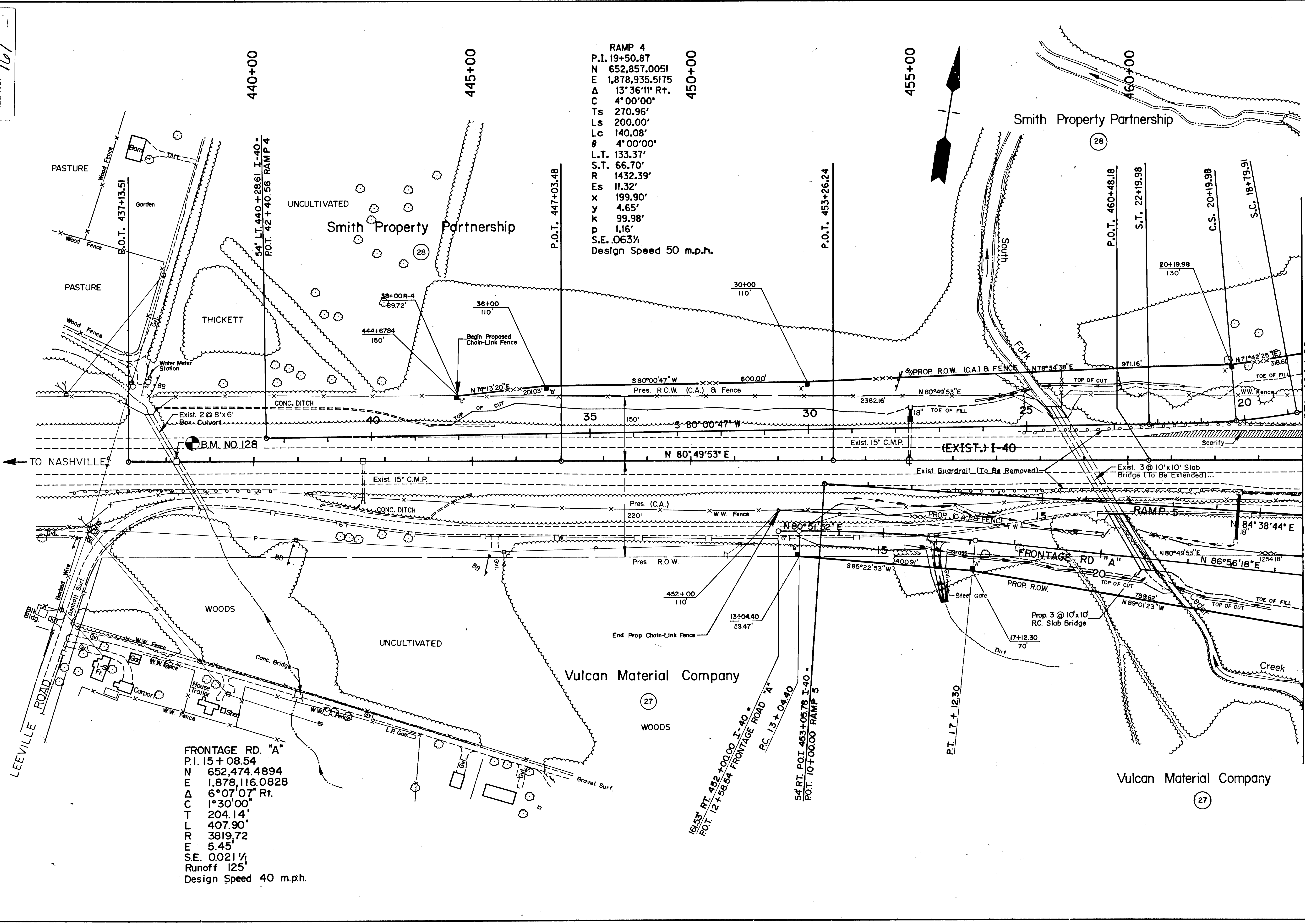
TENNESSEE D.O.T.
DESIGN DIVISION
FN
161

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	14
CONST.	96	MT-40-5(114)231	7

REV. 5-11-90: ADDED PROP. R.O.W. PLUS 8 DISTANCE. LT. STA. 444+67.84 I-40.
REV. 1-10-96: CHANGED TAPER ON RAMP 4 RT.

RAMP 4
P.I. 19+50.87
N 652,857.0051
E 1,878,935.5175
Δ 13°36'11" Rt.
C 4°00'00"
Ts 270.96'
Ls 200.00'
Lc 140.08'
θ 4°00'00"
L.T. 133.37'
S.T. 66.70'
R 1432.39'
Es 11.32'
x 199.90'
y 4.65'
k 99.98'
p 1.16'
S.E. 0.63%
Design Speed 50 m.p.h.

FRONTAGE RD. "A"
P.I. 15+08.54
N 652,474.4894
E 1,878,116.0828
Δ 6°07'07" Rt.
C 1°30'00"
T 204.14'
L 407.90'
R 3819.72
E 5.45'
S.E. 0.021%
Runoff 125
Design Speed 40 m.p.h.



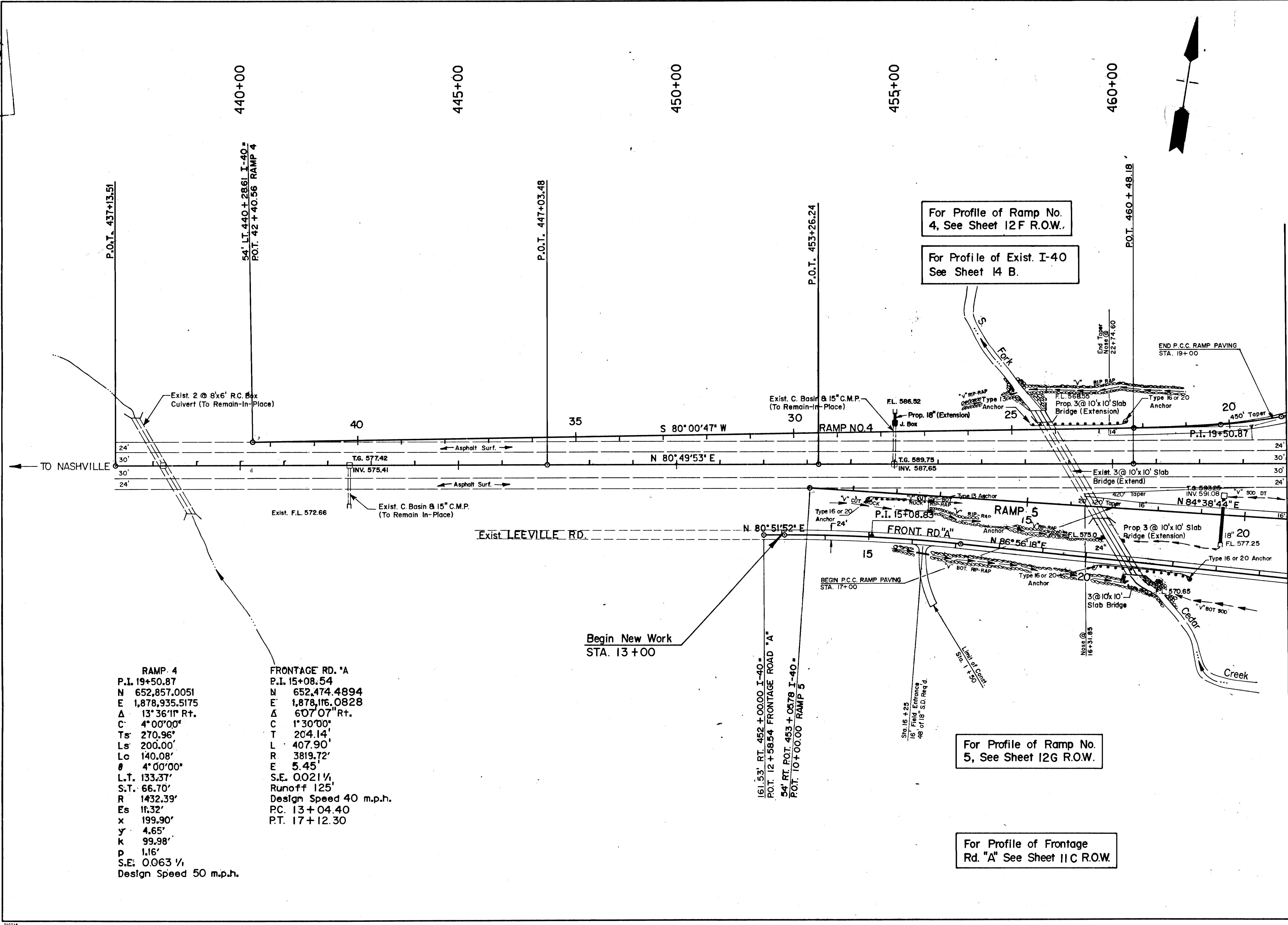
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT
INTERSTATE 40
STA. TO STA. 464+00
SCALE: 1" = 100'

TENNESSEE D. O. T.
 DESIGN DIVISION
 FILE NO. 161

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	14A
CONST.	96	NH-40-5(114)231	7A

Rev. 11-7-90: Revised The Lane Width Dimension On Frontage Rd. "A".
 Rev. 9-27-95: Revised Ramp Noses.
 REV. 1-10-96: CHANGED TAPER ON RAMP 4 RT.



For Profile of Ramp No. 4, See Sheet 12F R.O.W.

For Profile of Exist. I-40 See Sheet 14 B.

For Profile of Ramp No. 5, See Sheet 12G R.O.W.

For Profile of Frontage Rd. "A" See Sheet 11C R.O.W.

RAMP 4	FRONTAGE RD. "A"
P.I. 19+50.87	P.I. 15+08.54
N 652,857.0051	N 652,474.4894
E 1,878,935.5175	E 1,878,116.0828
Δ 13°36'11" Rt.	Δ 60°07' Rt.
C 4°00'00"	C 1°30'00"
Ts 270.96'	T 204.14'
Ls 200.00'	L 407.90'
Lc 140.08'	R 3819.72'
θ 4°00'00"	E 5.45'
L.T. 133.37'	S.E. 0.021 1/4
S.T. 66.70'	Runoff 125'
R 1432.39'	Design Speed 40 m.p.h.
Es 1f.32'	P.C. 13+04.40
x 199.90'	P.T. 17+12.30
y 4.65'	
k 99.98'	
p 1.16'	
S.E. 0.063 1/4	
Design Speed 50 m.p.h.	

MATCH LINE STA. 464+00



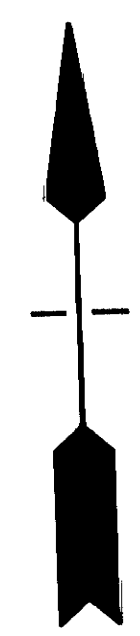
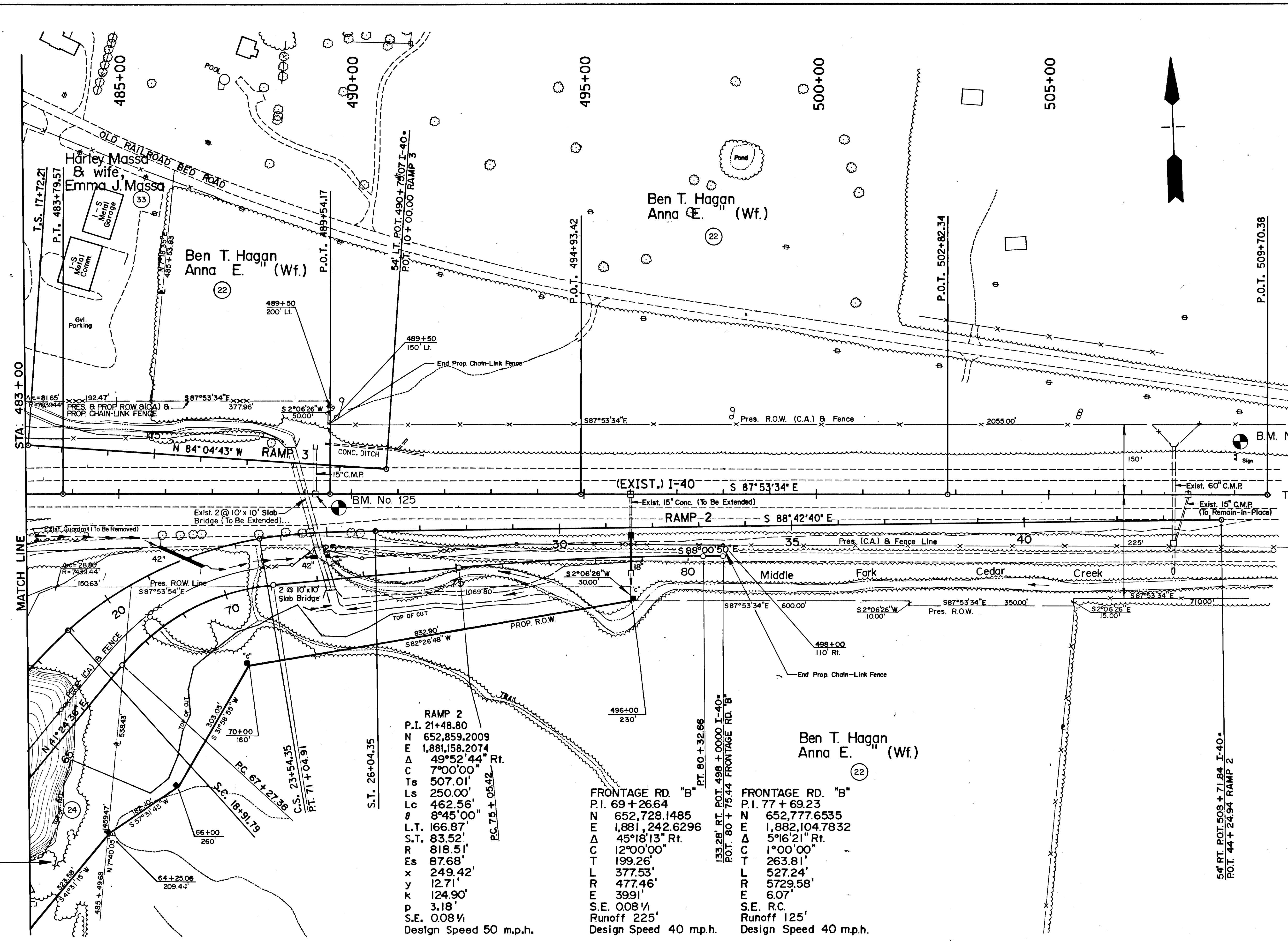
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT

PROPOSED LAYOUT
INTERSTATE 40
 STA. 437+13.51 TO STA. 464+00
 SCALE: 1" = 100'

TEMP. SEE D.O.T.
 FILE NO. 161
 FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	90	95011-2204-04	15
CONST.	96	NH-40-50(4)231	8

REV. 8-16-95: Revised property owner's name for tract 33.



MATCH LINE

TO KNOXVILLE →

RAMP 2
 P.I. 21+48.80
 N 652,859.2009
 E 1,881,158.2074
 Δ 49°52'44" Rt.
 C 7°00'00"
 Ts 507.01'
 Ls 250.00'
 Lc 462.56'
 θ 8°45'00"
 L.T. 166.87'
 S.T. 83.52'
 R 818.51'
 Es 87.68'
 x 249.42'
 y 12.71'
 K 124.90'
 p 3.18'
 S.E. 0.08 1/2
 Design Speed 50 m.p.h.

FRONTAGE RD. "B"
 P.I. 69+26.64
 N 652,728.1485
 E 1,881,242.6296
 Δ 45°18'13" Rt.
 C 12°00'00"
 T 199.26'
 L 377.53'
 R 477.46'
 E 399.1'
 S.E. 0.08 1/2
 Runoff 225'
 Design Speed 40 m.p.h.

FRONTAGE RD. "B"
 P.I. 77+69.23
 N 652,777.6535
 E 1,882,104.7832
 Δ 5°16'21" Rt.
 C 1°00'00"
 T 263.81'
 L 527.24'
 R 5729.58'
 E 6.07'
 S.E. R.C.
 Runoff 125'
 Design Speed 40 m.p.h.

Welton McKnight
 Land Enterprises



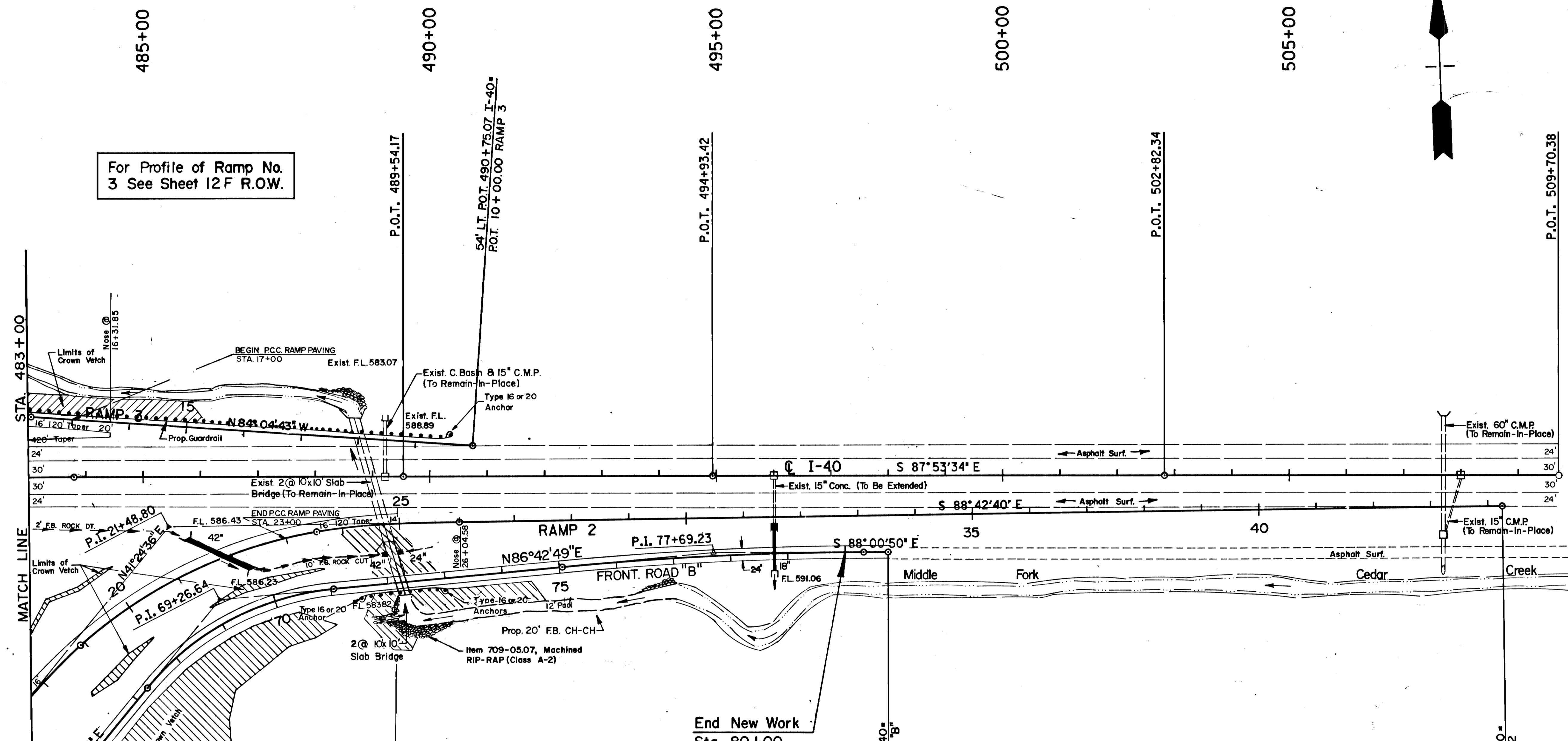
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT

PRESENT LAYOUT
 INTERSTATE 40
 STA. 483+00 TO STA.
 SCALE: 1" = 100'

TENNESSEE D. O. T.
DESIGN DIVISION
FILE NO. 161

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	90	95011-2204-04	15A
CONST.	96	NH-40-5(114)231	8A

Rev. 11-7-90: Revised The Lane Width Dimensions On Frontage Rd "B".
Rev. 9-27-95: Revised Ramp Noses.



For Profile of Ramp No. 3 See Sheet 12 F R.O.W.

For Profile of Ramp No. 2, See Sheet 12 E R.O.W.

For Profile of Exist. I-40 See Sheet 15 B R.O.W.

For Profile of Frontage Rd. "B" See Sheet 11 D R.O.W.

End New Work Sta. 80+00

RAMP 2
P.I. 21+48.80
N 652,859.2009
E 1,881,158.2074
Δ 49°52'44" Rt.
C 7'00'00"
Ts 507.01'
Ls 250.00'
Lc 462.56'
θ 8°45'00"
L.T. 166.87'
S.T. 83.52'
R 818.51'
Es 87.68'
x 249.42'
y 12.71'
k 124.90'
p 3.18'
S.E. 0.008 1/2
Design Speed 50 m.p.h.
T.S. 16 + 41.79
S.C. 18 + 91.79
C.S. 23 + 54.35
S.T. 26 + 04.35

FRONTAGE RD. "B"
P.I. 69+26.64
N 652,728,1485
E 1,881,242.6296
Δ 45°18'13" Rt.
C 12'00'00"
T 199.26'
L 377.53'
R 477.46'
E 39.91'
S.E. 0.008 1/2
Runoff 225'
Design Speed 40 m.p.h.
P.C. 67 + 27.38
P.T. 71 + 04.91

FRONTAGE RD. "B"
P.I. 77+69.23
N 652,777.6535
E 1,882,104.7832
Δ 5°16'21" Rt.
C 1'00'00"
T 263.81'
L 527.24'
R 5729.58'
E 6.07'
S.E. R.C.
Runoff 125'
Design Speed 40 m.p.h.
P.C. 75 + 05.42
P.T. 80 + 32.66



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

PROPOSED LAYOUT
INTERSTATE 40
STA. 483+00 TO STA.
SCALE: 1" = 100'