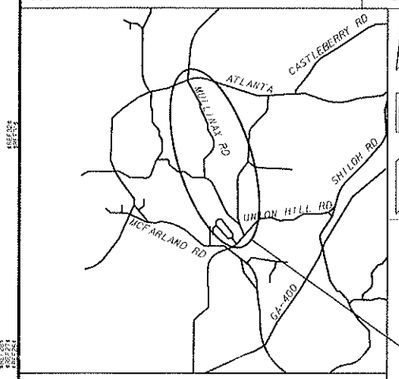
DATETIME$$$ $USER$	PRF $$PENTABLE$$	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			FORSYTH	WID 0308	1	630

FORSYTH COUNTY TRANSPORTATION DEPARTMENT

PLAN AND PROFILE OF PROPOSED WIDENING OF UNION HILL ROAD/MULLINAX ROAD (McFARLAND PKWY TO SR 9)

FORSYTH COUNTY

PROJECT WID 0308



LOCATION SKETCH

NOTE: THE CO-ORDINATES LISTED ARE WEST ZONE GRID CO-ORDINATES BASED ON THE GA. STATE PLANE CO-ORDINATE SYSTEM OF 1985.
HORIZONTAL DATUM : NAD 83/94 HARN
VERTICAL DATUM : NAVD 88

MIDPOINT COORDINATE
STATION 196+25.00
N 1507744.63
E 2276206.39

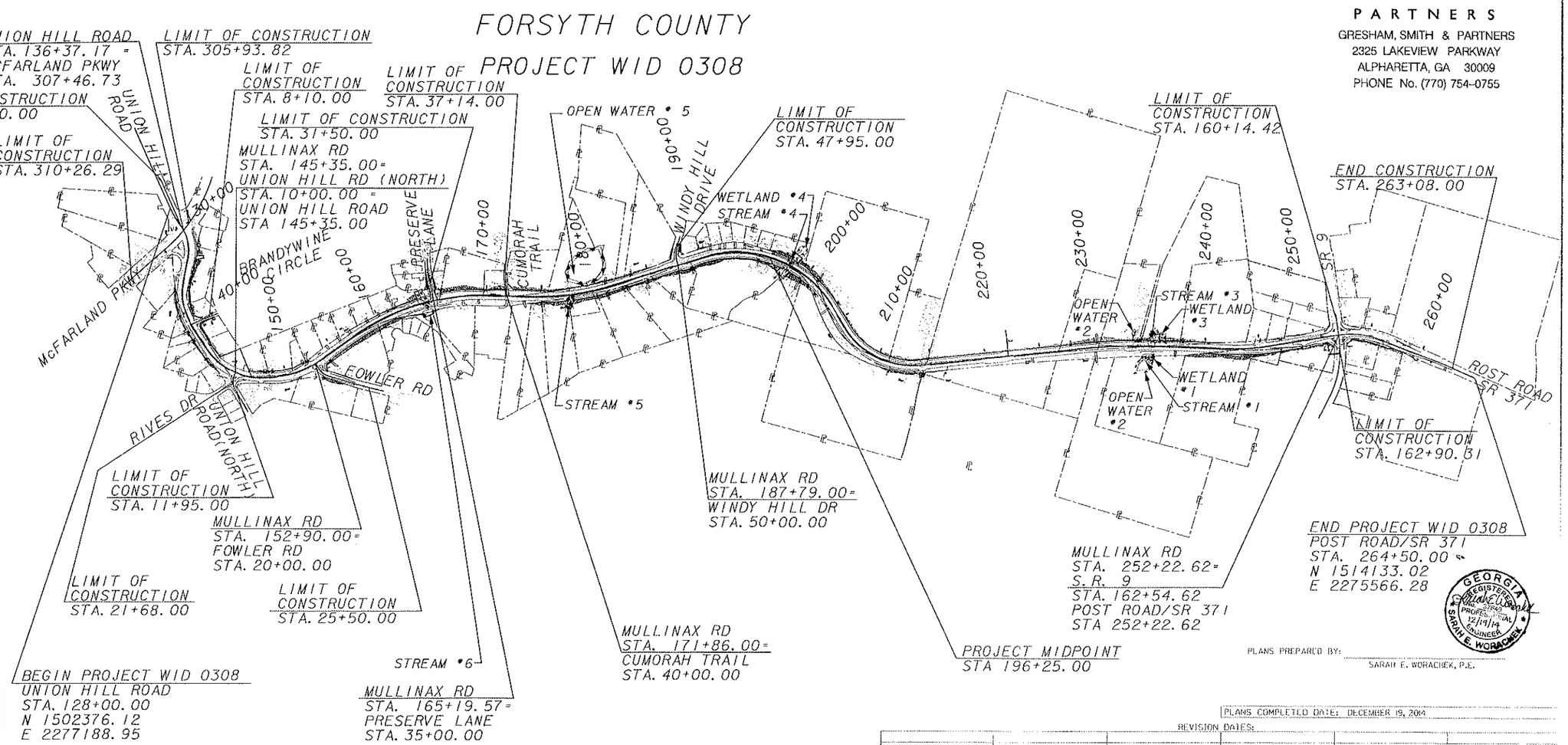
DESIGN DATA FOR UNION HILL RD/MULLINAX RD:		
TRAFFIC A.D.T.:	9,300	(2012)
TRAFFIC A.D.T.:	17,400	(2032)
TRAFFIC D.H.V.:	1,800	(2032)
DIRECTIONAL DIST.:	75/25	
% TRUCKS:	1%	
SPEED DESIGN:	35 MPH UNION HILL (McFARLAND TO FOWLER) 45 MPH MULLINAX	

DESIGN DATA FOR UNION HILL RD (NORTH):		
TRAFFIC A.D.T.:	4,500	(2012)
TRAFFIC A.D.T.:	7,850	(2032)
TRAFFIC D.H.V.:	900	(2032)
DIRECTIONAL DIST.:	75/25	
% TRUCKS:	1%	
SPEED DESIGN:	25/40 MPH	

DESIGN DATA FOR FOWLER RD:		
TRAFFIC A.D.T.:	4,100	(2012)
TRAFFIC A.D.T.:	5,000	(2032)
TRAFFIC D.H.V.:	600	(2032)
DIRECTIONAL DIST.:	90/10	
% TRUCKS:	1%	
SPEED DESIGN:	35 MPH	

LENGTH OF PROJECT	COUNTY NO. 117
	MILES
NET LENGTH OF ROADWAY	2.54
NET LENGTH OF BRIDGES	0.00
NET LENGTH OF PROJECT	2.54
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	2.54

THIS PROJECT IS LOCATED 100% IN FORSYTH COUNTY AND CONGRESSIONAL DISTRICT 7
PROJECT DESIGNATION : EXEMPT
FUNCTIONAL CLASSIFICATION : MINOR ARTERIAL STREET



PLANS PREPARED BY
G S & P
GRESHAM SMITH AND PARTNERS
GRESHAM, SMITH & PARTNERS
2325 LAKEVIEW PARKWAY
ALPHARETTA, GA 30009
PHONE No. (770) 754-0755

GEORGIA REGISTERED PROFESSIONAL ENGINEER SARAH E. WORACHEK 12/19/14

PLANS PREPARED BY: SARAH E. WORACHEK, P.E.

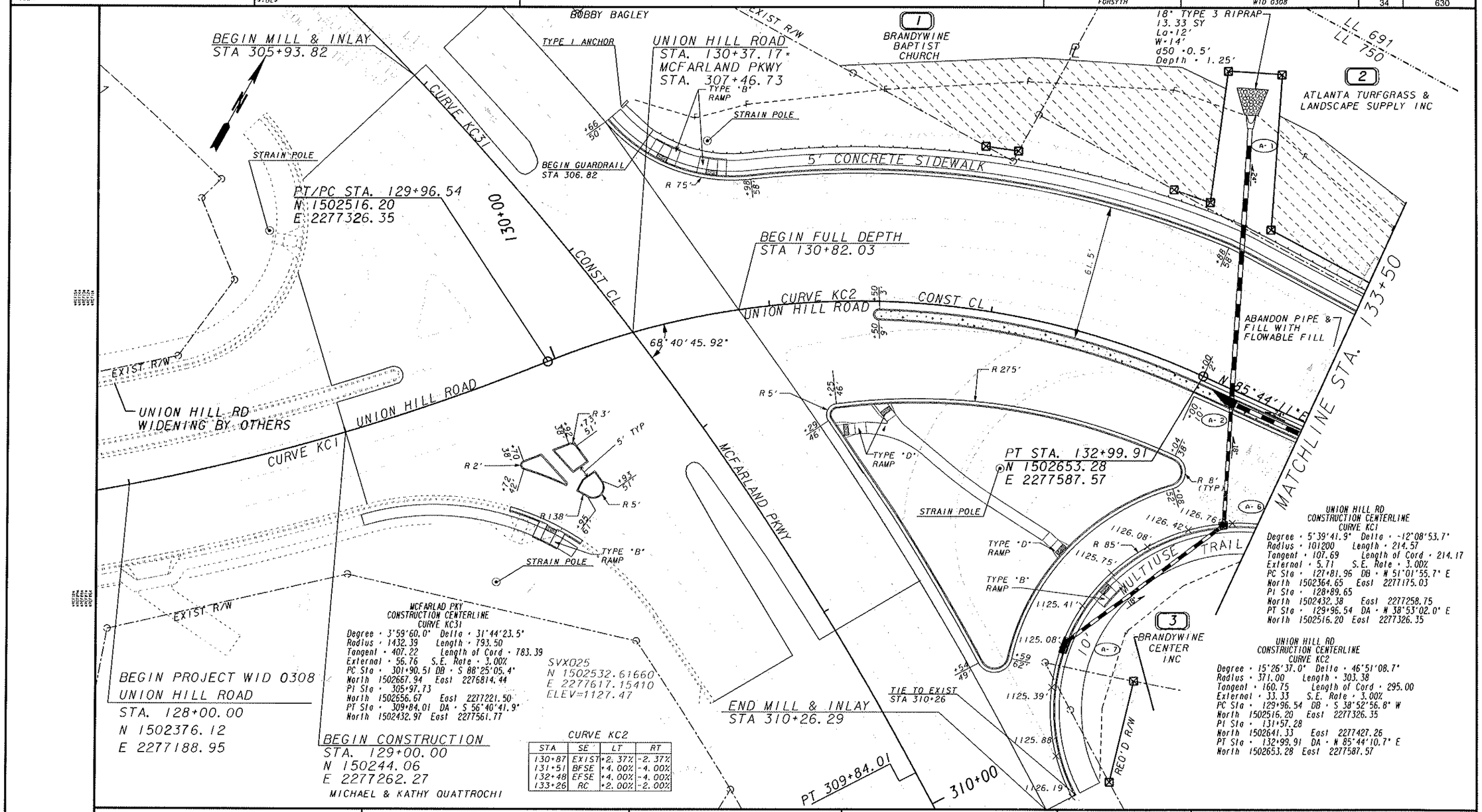
PLANS COMPLETED DATE: DECEMBER 19, 2014

REVISION DATES:

NOTE:

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARENTEED, AND DO NOT BIND THE COUNTY OF FORSYTH IN ANY WAY. THE ATTENTION OF THE BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	34	630



MCFARLAD PKY
CONSTRUCTION CENTERLINE
CURVE KC31

Degree = 3°59'60.0" Delta = 31°44'23.5"
Radius = 1432.39 Length = 793.50
Tangent = 407.22 Length of Cord = 783.39
External = 56.76 S.E. Rate = 3.00%
PC Sta = 301+90.51 DB = S 88°25'05.4"
North 1502667.94 East 2276814.44
PI Sta = 305+97.73
North 1502656.67 East 2277221.50
PT Sta = 309+84.01 DA = S 56°40'41.9"
North 1502432.97 East 2277561.77

CURVE KC2

STA	SE	LT	RT
130+87	EXIST	+2.37%	-2.37%
131+51	BFSE	+4.00%	-4.00%
132+48	EFSE	+4.00%	-4.00%
133+26	RC	+2.00%	-2.00%

UNION HILL RD
CONSTRUCTION CENTERLINE
CURVE KC1

Degree = 5°39'41.9" Delta = -12°08'53.7"
Radius = 101200 Length = 214.57
Tangent = 107.69 Length of Cord = 214.17
External = 5.71 S.E. Rate = 3.00%
PC Sta = 127+81.96 DB = N 51°01'55.7" E
North 1502364.65 East 2277175.03
PI Sta = 128+89.65
North 1502432.38 East 2277258.75
PT Sta = 129+96.54 DA = N 38°53'02.0" E
North 1502516.20 East 2277326.35

UNION HILL RD
CONSTRUCTION CENTERLINE
CURVE KC2

Degree = 15°26'37.0" Delta = 46°51'08.7"
Radius = 371.00 Length = 303.38
Tangent = 160.75 Length of Cord = 295.00
External = 33.33 S.E. Rate = 3.00%
PC Sta = 129+96.54 DB = S 38°52'56.8" W
North 1502516.20 East 2277326.35
PI Sta = 131+57.28
North 1502641.33 East 2277427.26
PT Sta = 132+99.91 DA = N 85°44'10.7" E
North 1502653.28 East 2277587.57

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

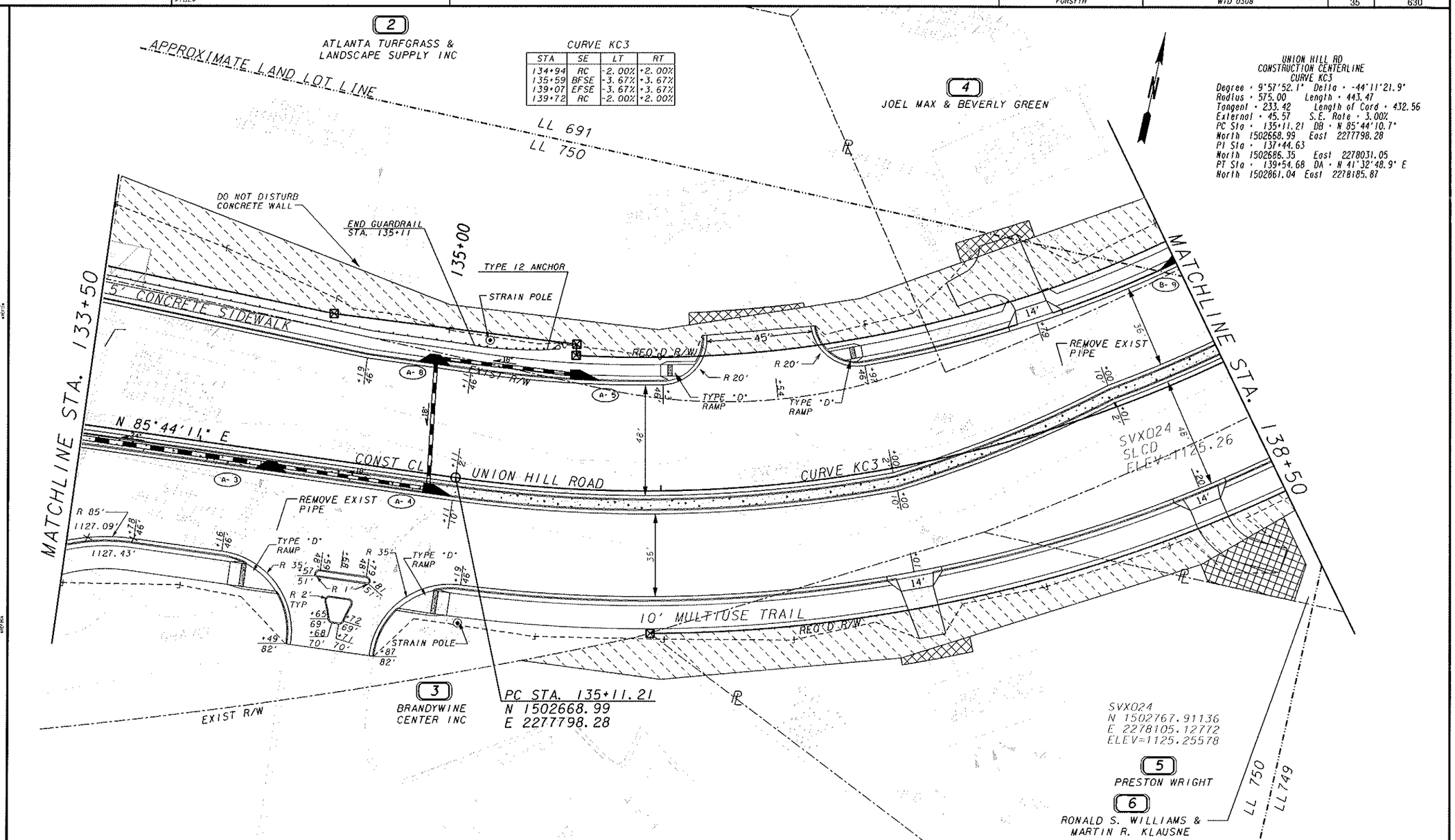
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-01

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	35	630



UNION HILL RD
CONSTRUCTION CENTERLINE
CURVE KC3

Degree = 9°57'52.1" Delta = -44°11'21.9"
Radius = 575.00 Length = 443.47
Tangent = 233.42 Length of Cord = 432.56
External = 45.57 S.E. Rate = 3.00%
PC Sta = 135+11.21 DB = N 85°44'10.7"
North 1502668.99 East 2277798.28
PI Sta = 137+44.63
North 1502686.35 East 2278031.05
PT Sta = 139+54.68 DA = N 41°32'48.9" E
North 1502861.04 East 2278185.87

CURVE KC3			
STA	SE	LT	RT
134+94	RC	-2.00%	+2.00%
135+59	BFSE	-3.67%	+3.67%
139+07	EFSE	-3.67%	+3.67%
139+72	RC	-2.00%	+2.00%

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
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LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

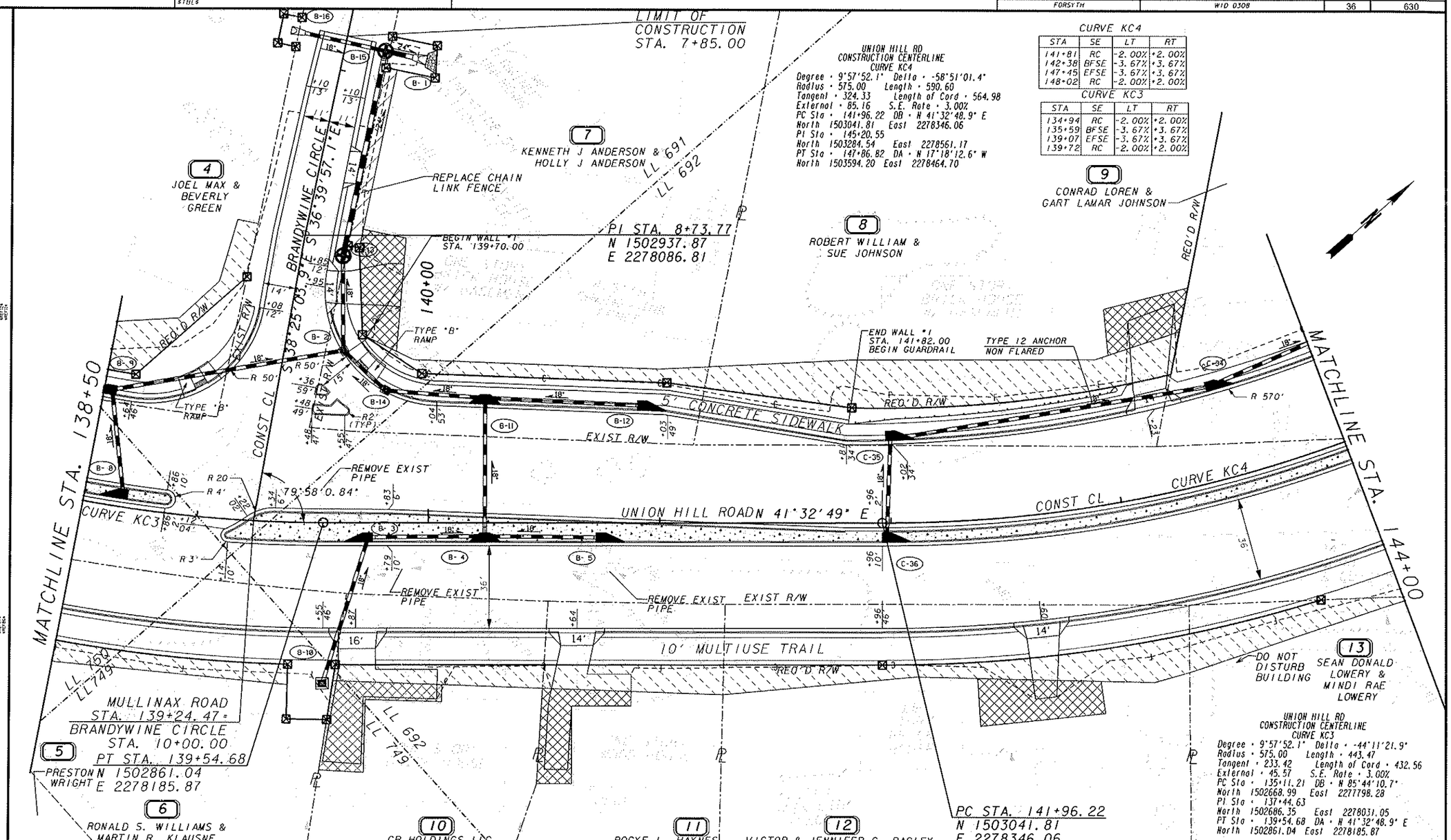
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-02

$DATE$	$TIME$	$PRIF$	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	36	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
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LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

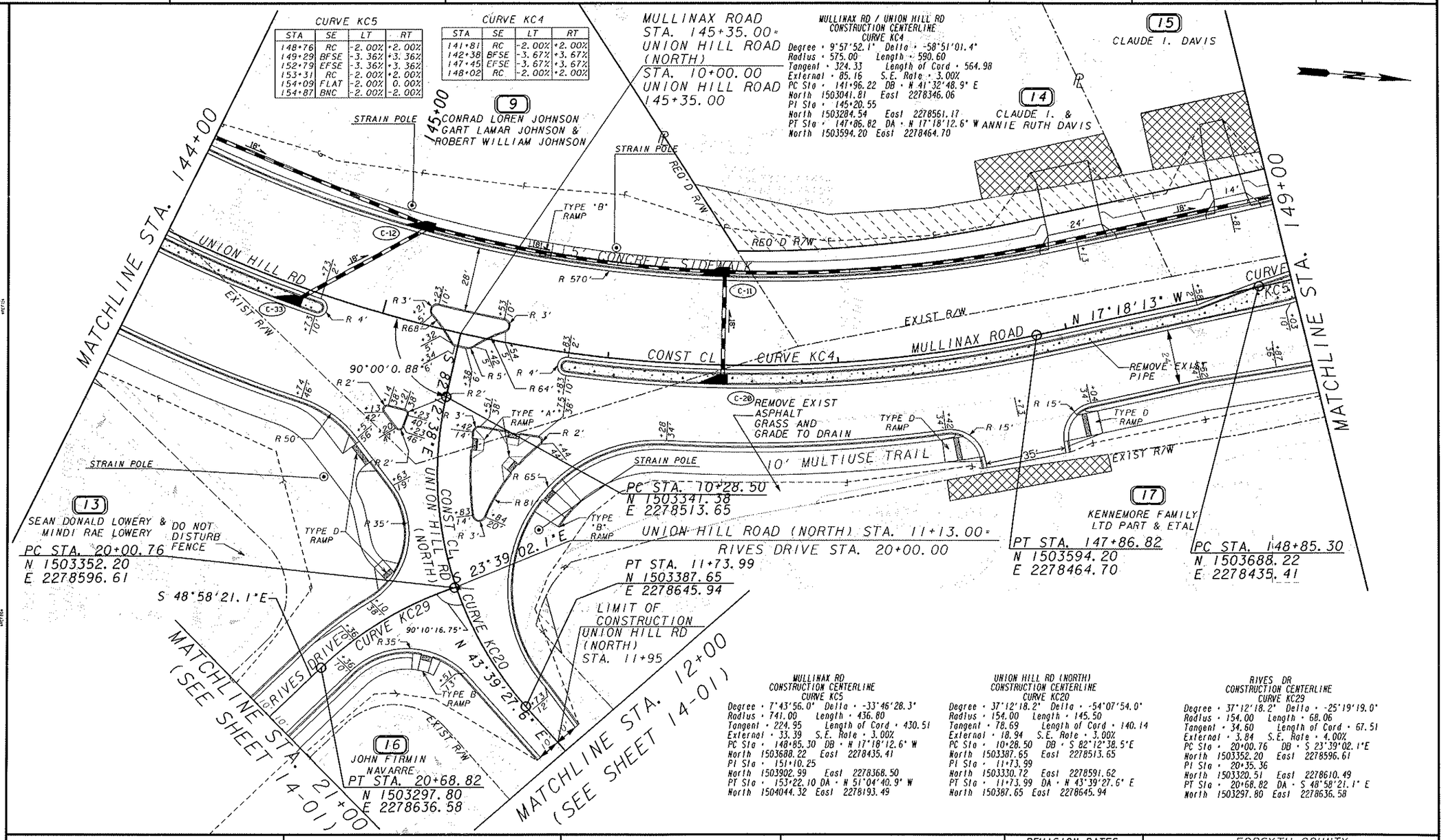
FORSYTH COUNTY ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No. 13-03

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TOL		FORSYTH	WID 0308	37	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
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END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No. 13-04

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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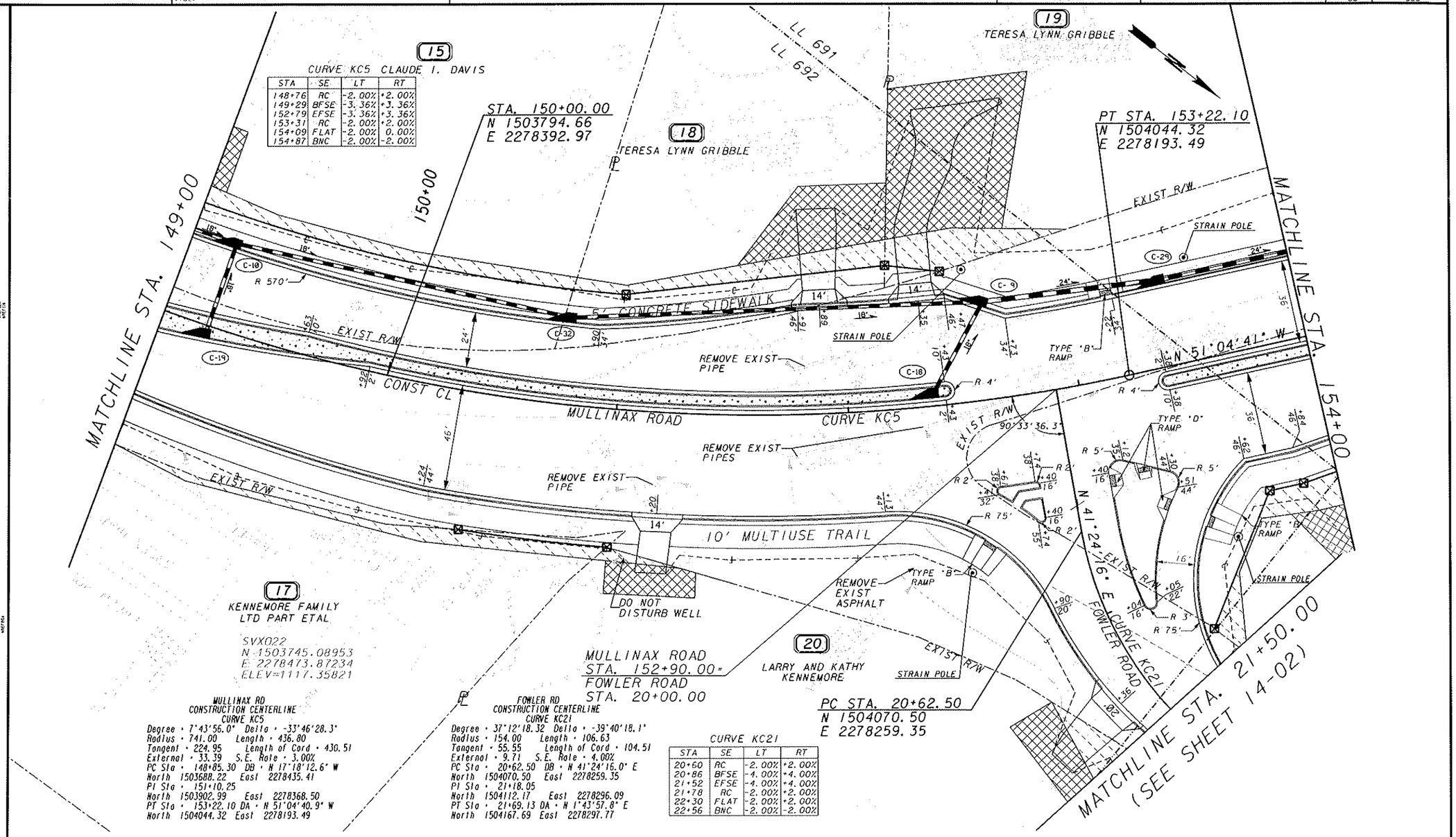

CURVE KC5

STA	SE	LT	RT
148+76	RC	-2.00%	+2.00%
149+29	BFSE	-3.36%	+3.36%
152+79	EFSE	-3.36%	+3.36%
153+31	RC	-2.00%	+2.00%
154+09	FLAT	-2.00%	0.00%
154+87	BNC	-2.00%	-2.00%

MULLINAX RD
CONSTRUCTION CENTERLINE
CURVE KC5
Degree = 7°43'56.0" Delta = -33°46'28.3"
Radius = 741.00 Length = 436.80
Tangent = 224.95 Length of Cord = 430.51
External = 33.39 S.E. Rate = 3.00%
PC Sta = 148+85.30 DB = N 17°18'12.6" W
North 1503688.22 East 2278435.41
PI Sta = 151+10.25
North 1503902.99 East 2278368.50
PT Sta = 153+22.10 DA = N 51°04'40.9" W
North 1504044.32 East 2278193.49

FOWLER RD
CONSTRUCTION CENTERLINE
CURVE KC21
Degree = 37°12'18.32 Delta = -39°40'18.1"
Radius = 154.00 Length = 106.63
Tangent = 55.55 Length of Cord = 104.51
External = 9.71 S.E. Rate = 4.00%
PC Sta = 20+62.50 DB = N 41°24'16.0" E
North 1504070.50 East 2278259.35
PI Sta = 21+18.05
North 1504112.17 East 2278296.09
PT Sta = 21+69.13 DA = N 1°43'57.8" E
North 1504167.69 East 2278297.77

CURVE KC21

STA	SE	LT	RT
20+60	RC	-2.00%	+2.00%
20+86	BFSE	-4.00%	+4.00%
21+52	EFSE	-4.00%	+4.00%
21+78	RC	-2.00%	+2.00%
22+30	FLAT	-2.00%	+2.00%
22+56	BNC	-2.00%	-2.00%

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
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LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

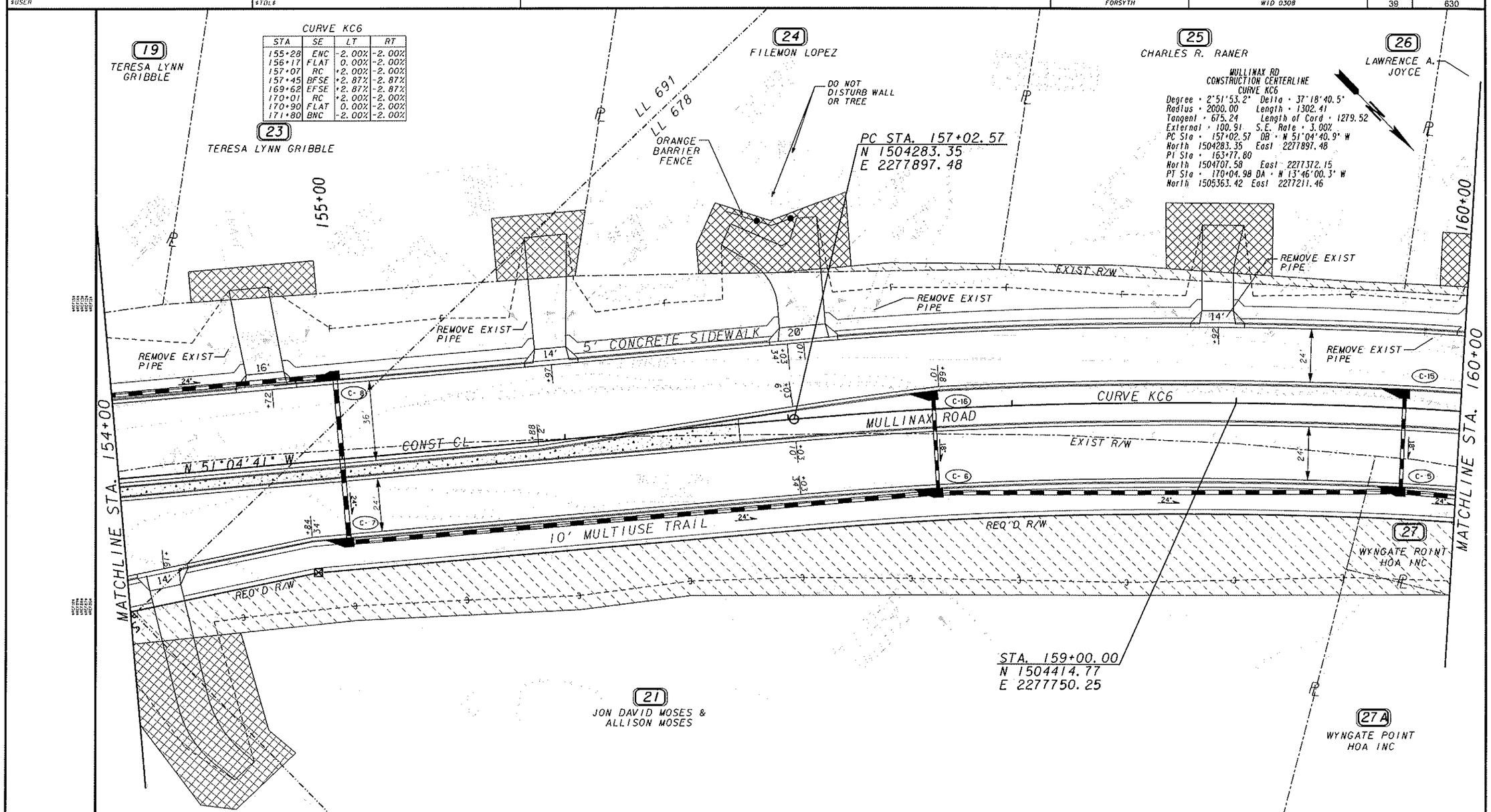
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-05

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TDL		FORSYTH	WID 0308	39	630



CURVE KC6			
STA	SE	LT	RT
155+28	ENC	-2.00%	-2.00%
156+17	FLAT	0.00%	-2.00%
157+07	RC	+2.00%	-2.00%
157+45	BFSE	+2.87%	-2.87%
169+62	EFSE	+2.87%	-2.87%
170+91	RC	+2.00%	-2.00%
170+90	FLAT	0.00%	-2.00%
171+80	BNC	-2.00%	-2.00%

EXISTING R/W & PROPERTY LINE
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LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING NO. 13-06

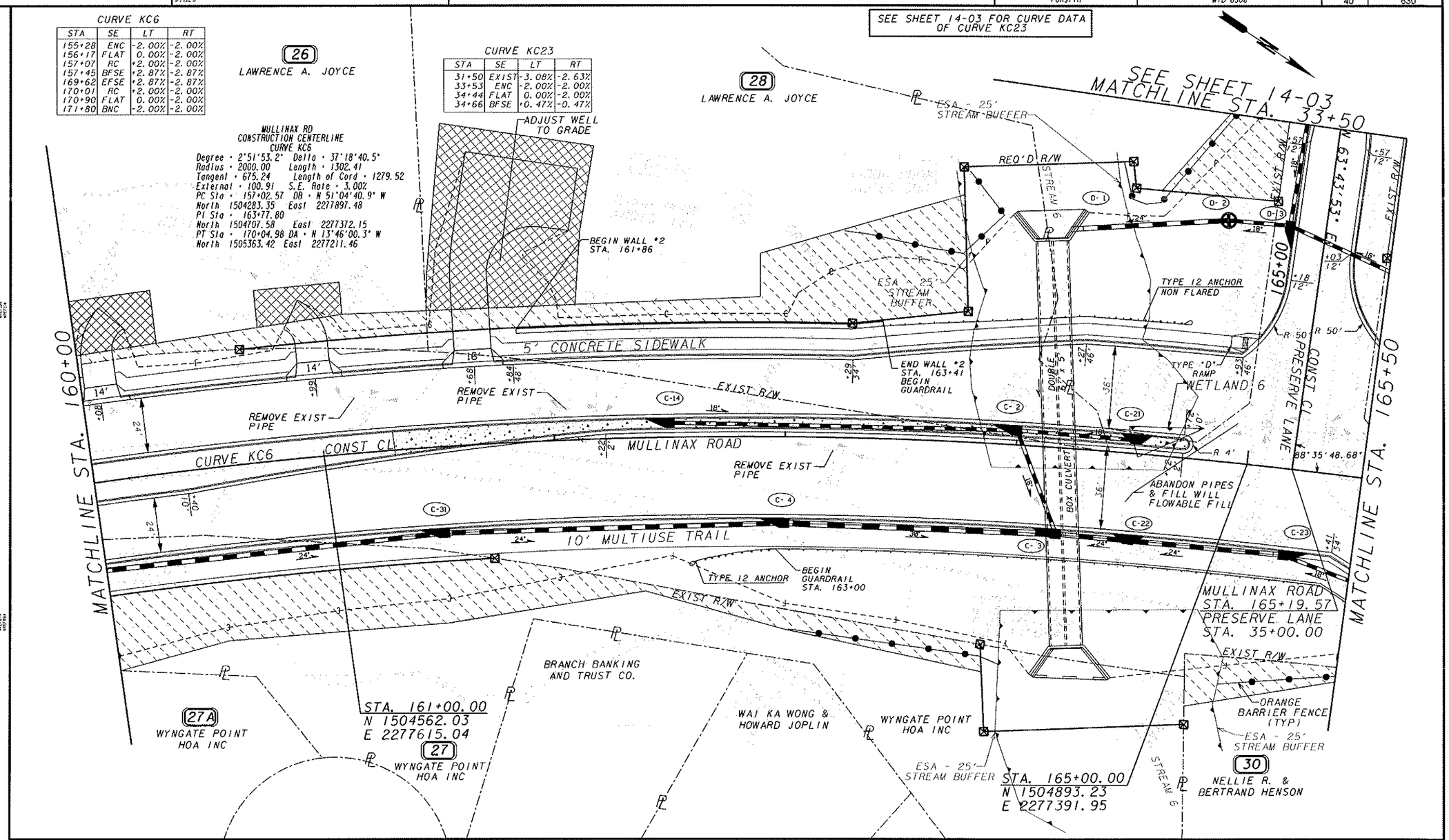
$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	40	630

CURVE KC6

STA	SE	LT	RT
155+28	ENC	-2.00%	-2.00%
156+17	FLAT	0.00%	-2.00%
157+07	RC	+2.00%	-2.00%
157+45	BFSE	+2.87%	-2.87%
169+62	EFSE	+2.87%	-2.87%
170+01	RC	+2.00%	-2.00%
170+90	FLAT	0.00%	-2.00%
171+80	BNC	-2.00%	-2.00%

CURVE KC23

STA	SE	LT	RT
31+50	EXIST	-3.08%	-2.63%
33+53	ENC	-2.00%	-2.00%
34+44	FLAT	0.00%	-2.00%
34+66	BFSE	+0.47%	-0.47%



EXISTING R/W & PROPERTY LINE
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LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

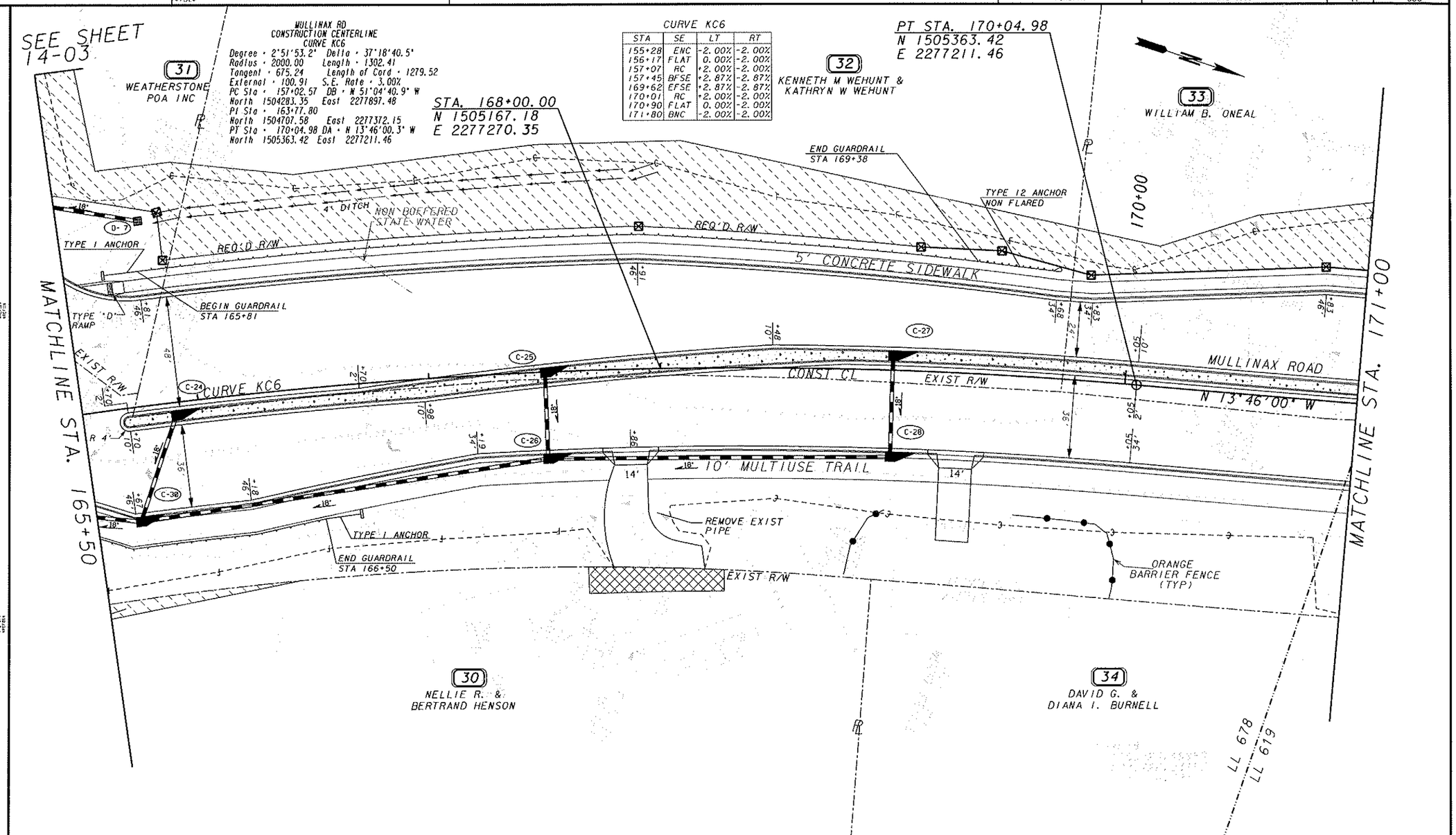
FORSYTH COUNTY ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No. 13-07

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	41	630



CURVE KC6			
STA	SE	LT	RT
155+28	ENC	-2.00%	-2.00%
156+17	FLAT	0.00%	-2.00%
157+07	RC	+2.00%	-2.00%
157+45	BFSE	+2.67%	-2.67%
169+62	EFSE	+2.67%	-2.67%
170+01	RC	+2.00%	-2.00%
170+90	FLAT	0.00%	-2.00%
171+80	BNC	-2.00%	-2.00%

EXISTING R/W & PROPERTY LINE
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LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

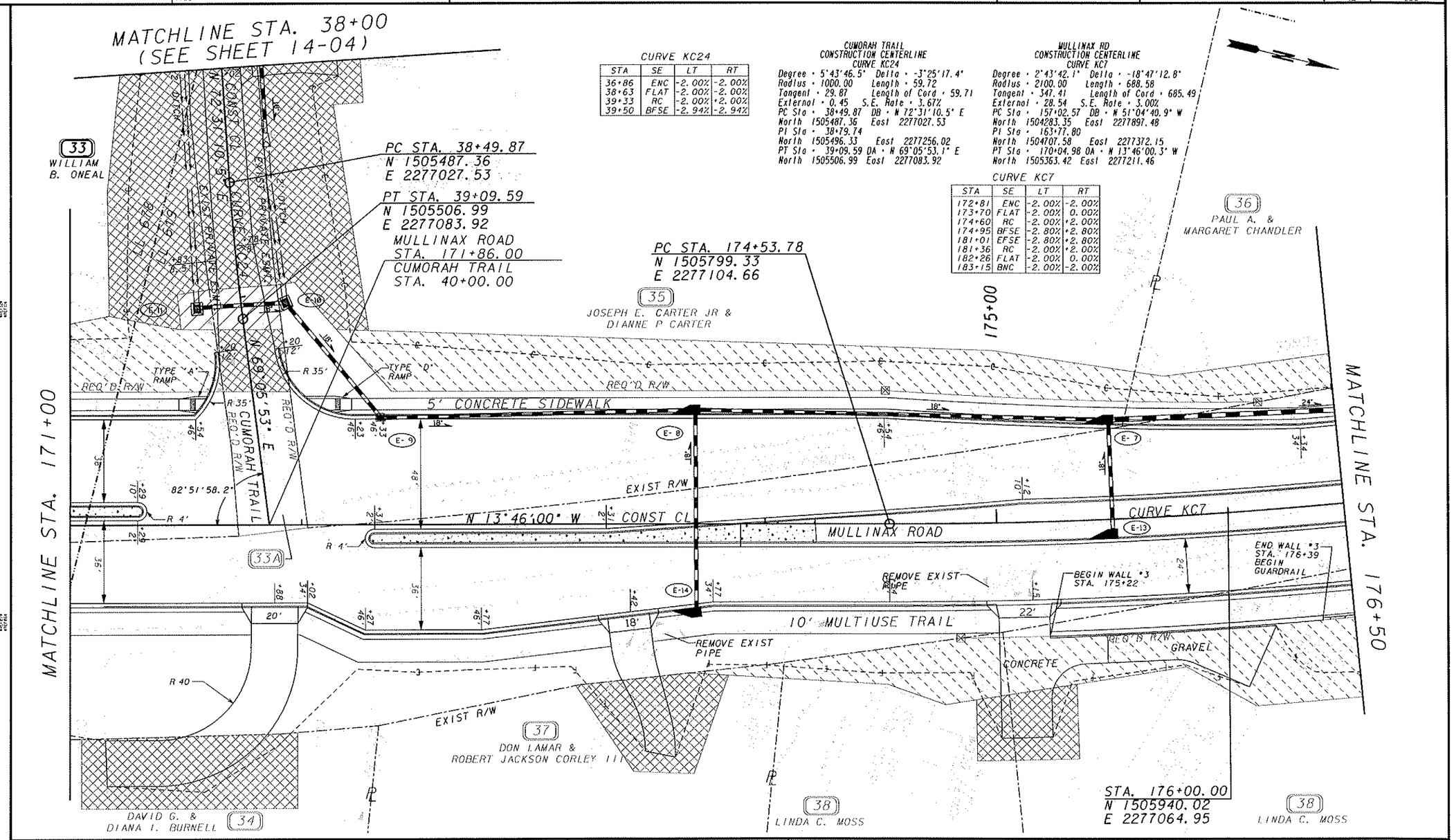
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING NO. 13-08

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	42	630



CURVE KC24

STA	SE	LT	RT
36+86	ENC	-2.00%	-2.00%
38+63	FLAT	-2.00%	-2.00%
39+33	RC	-2.00%	+2.00%
39+50	BFSE	-2.94%	-2.94%

CUMORAH TRAIL
CONSTRUCTION CENTERLINE
CURVE KC24

Degree = 5°43'46.5" Delta = -3°25'17.4"
Radius = 1000.00 Length = 59.72
Tangent = 29.87 Length of Curve = 59.71
External = 0.45 S.E. Rate = 3.67%
PC Sta = 38+49.87 DB = N 72°31'10.5" E
North 1505487.36 East 2277027.53
PI Sta = 38+79.74
North 1505496.33 East 2277256.02
PT Sta = 39+09.59 DA = N 69°05'53.1" E
North 1505506.99 East 2277083.92

MULLINAX RD
CONSTRUCTION CENTERLINE
CURVE KC7

Degree = 2°43'42.1" Delta = -18°47'12.8"
Radius = 2100.00 Length = 688.58
Tangent = 347.41 Length of Curve = 685.49
External = 28.54 S.E. Rate = 3.00%
PC Sta = 157+02.57 DB = N 51°04'40.9" W
North 1504283.35 East 2277897.48
PI Sta = 163+77.80
North 1504707.58 East 2277372.15
PT Sta = 170+04.98 DA = N 13°46'00.3" W
North 1505363.42 East 2277211.46

CURVE KC7

STA	SE	LT	RT
172+81	ENC	-2.00%	-2.00%
173+70	FLAT	-2.00%	0.00%
174+60	RC	-2.00%	+2.00%
174+95	BFSE	-2.80%	+2.80%
181+01	EFSE	-2.80%	+2.80%
181+36	RC	-2.00%	+2.00%
182+26	FLAT	-2.00%	0.00%
183+15	BNC	-2.00%	-2.00%

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
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BEGIN LIMIT OF ACCESS .....BLA
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LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

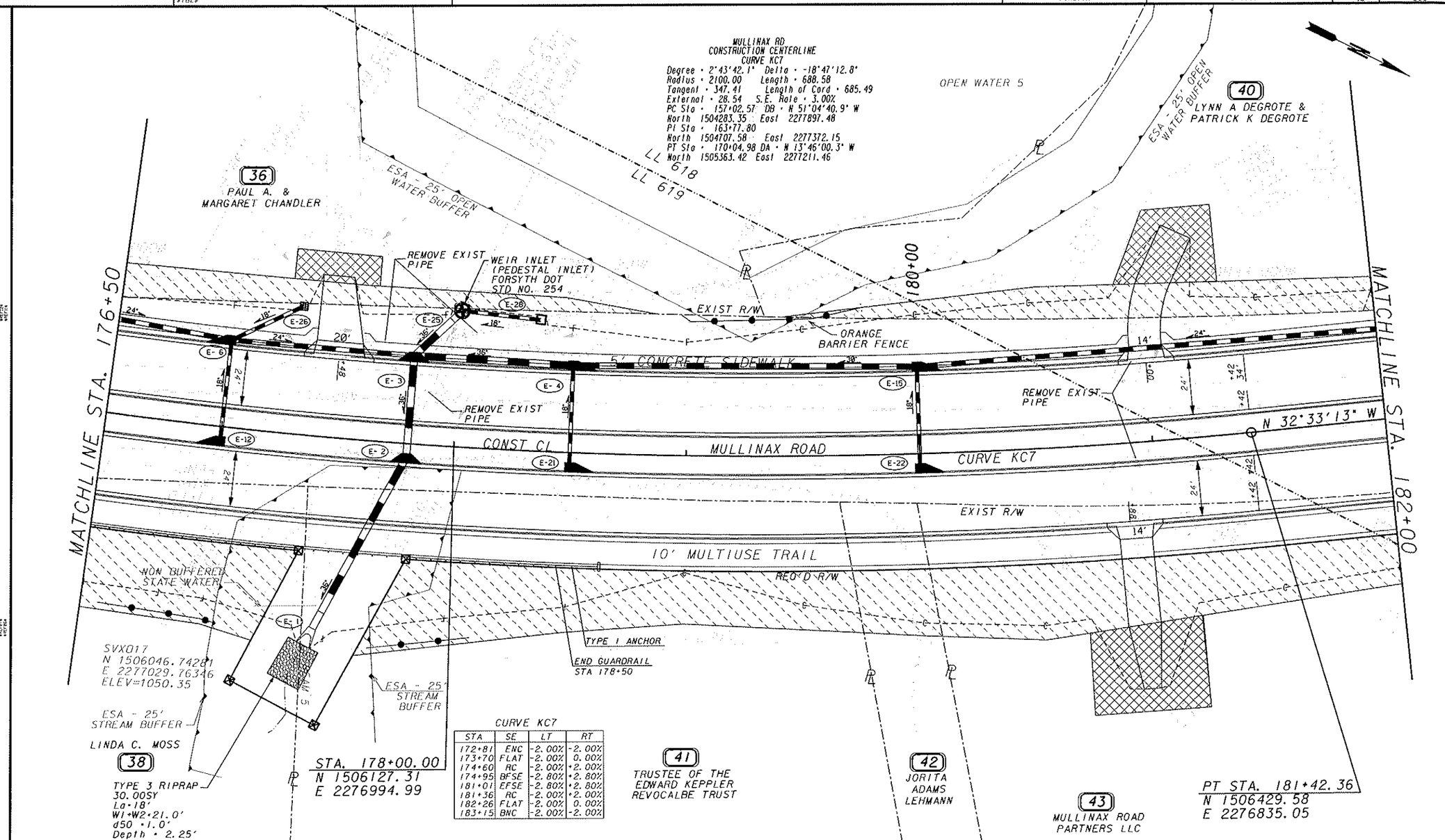
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-09

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	43	630



CURVE KC7

STA	SE	LT	RT
172+81	ENC	-2.00%	-2.00%
173+70	FLAT	-2.00%	0.00%
174+60	RC	-2.00%	+2.00%
174+95	BFSE	-2.80%	+2.80%
181+01	EFSE	-2.80%	+2.80%
181+36	RC	-2.00%	+2.00%
182+26	FLAT	-2.00%	0.00%
183+15	BNC	-2.00%	-2.00%

EXISTING R/W & PROPERTY LINE
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EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

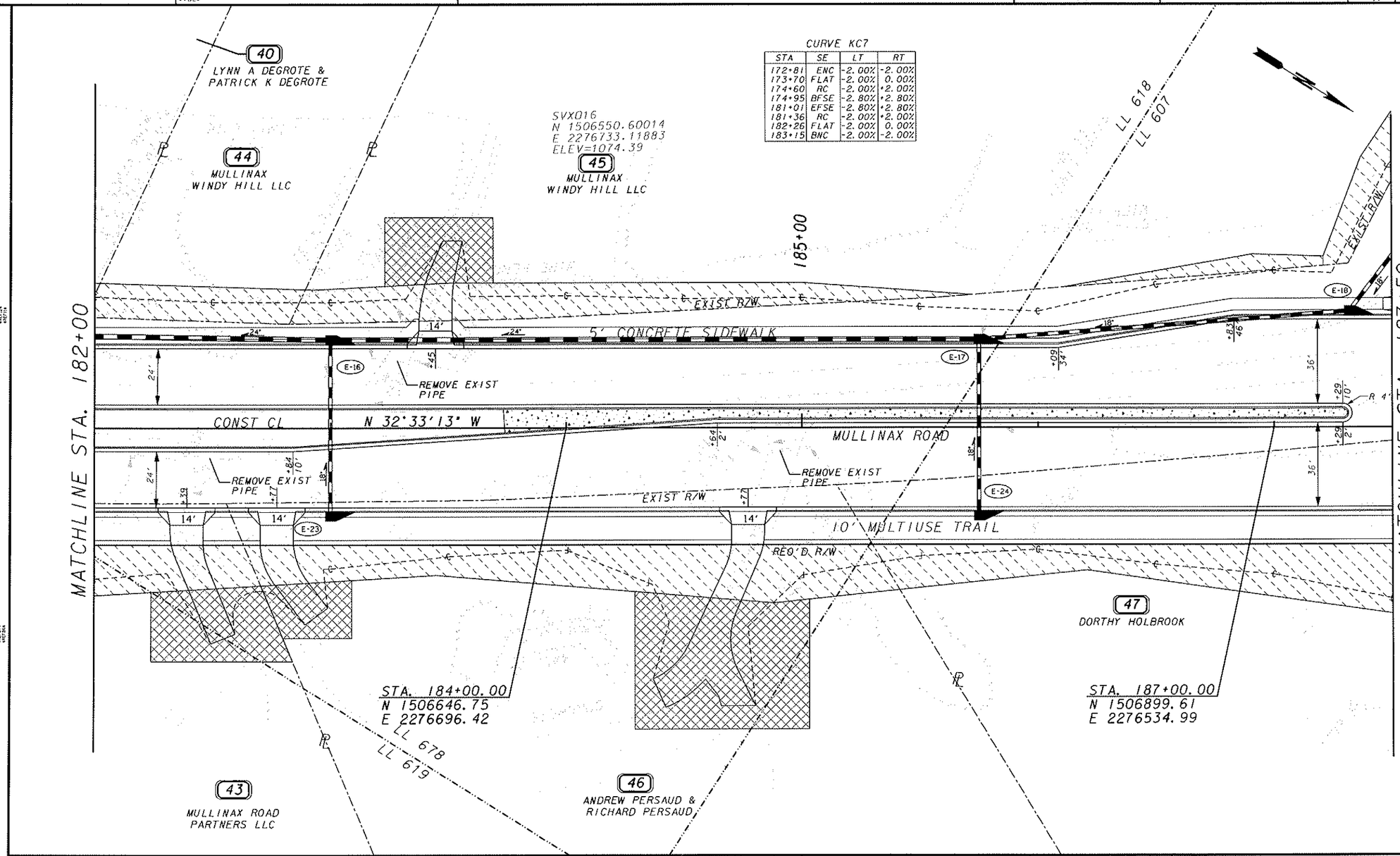
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING NO. 13-10

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	44	630



CURVE KC7

STA	SE	LT	RT
172+81	ENC	-2.00%	-2.00%
173+70	FLAT	-2.00%	0.00%
174+60	RC	-2.00%	+2.00%
174+95	BFSE	-2.80%	+2.80%
181+01	EFSE	-2.80%	+2.80%
181+36	RC	-2.00%	+2.00%
182+26	FLAT	-2.00%	0.00%
183+15	BNC	-2.00%	-2.00%

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

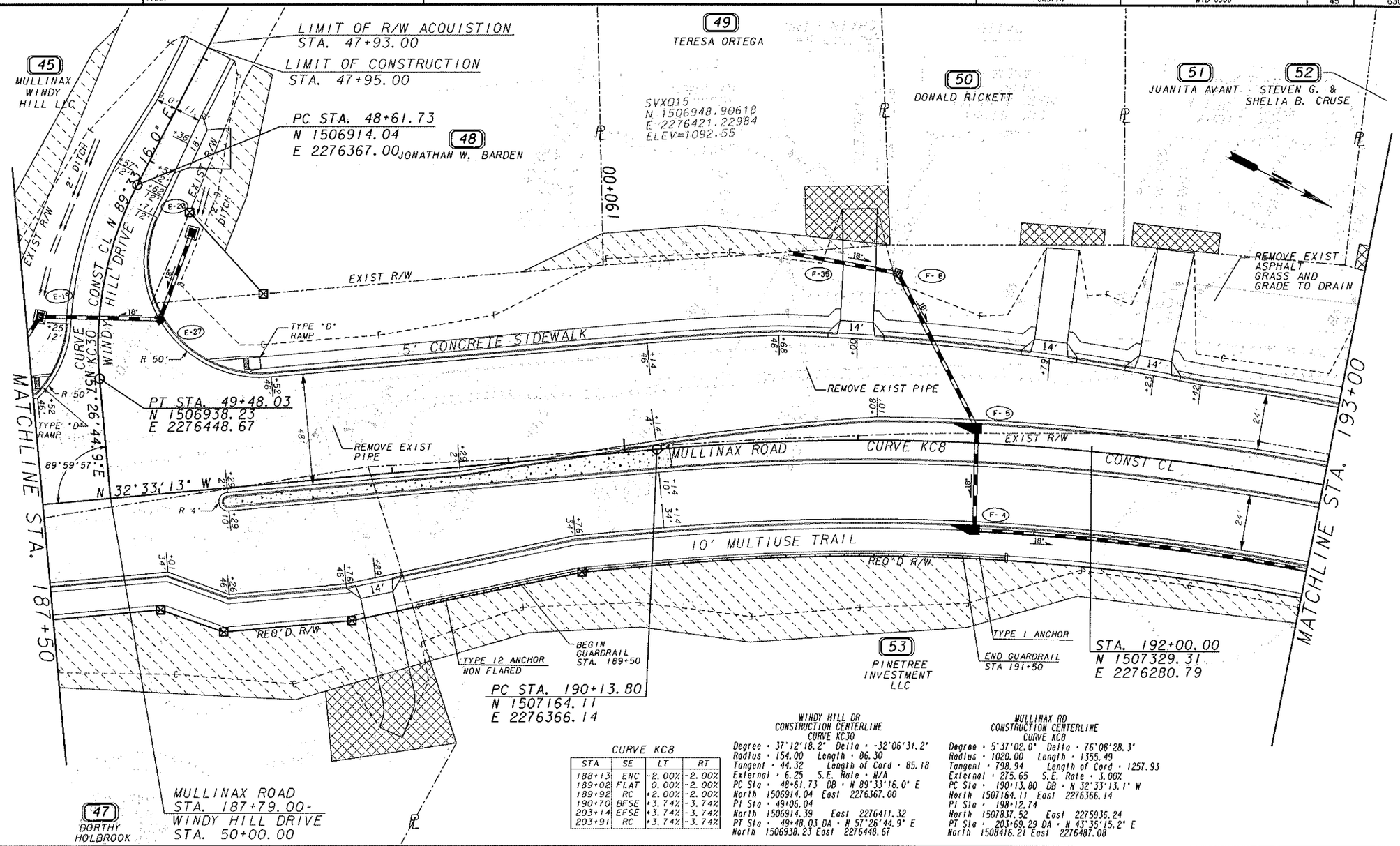
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-11

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	45	630



CURVE KC8

STA	SE	LT	RT
188+13	ENC	-2.00%	-2.00%
189+02	FLAT	0.00%	-2.00%
189+92	RC	+2.00%	-2.00%
190+70	BFSE	+3.74%	-3.74%
203+14	EFSE	+3.74%	-3.74%
203+91	RC	+3.74%	-3.74%

WINDY HILL DR
CONSTRUCTION CENTERLINE
CURVE KC30

Degree = 37°12'18.2" Delta = -32°06'31.2"
Radius = 154.00 Length = 86.30
Tangent = 44.32 Length of Cord = 85.18
External = 6.25 S.E. Rate = N/A
PC Sta = 48+61.73 DB = N 89°33'16.0" E
North 1506914.04 East 2276367.00
PI Sta = 49+06.04
North 1506914.39 East 2276411.32
PT Sta = 49+48.03 DA = N 57°26'44.9" E
North 1506938.23 East 2276448.67

MULLINAX RD
CONSTRUCTION CENTERLINE
CURVE KC8

Degree = 5°37'02.0" Delta = 76°08'28.3"
Radius = 1020.00 Length = 1355.49
Tangent = 798.94 Length of Cord = 1257.93
External = 275.65 S.E. Rate = 3.00%
PC Sta = 190+13.80 DB = N 32°33'13.1" W
North 1507164.11 East 2276366.14
PI Sta = 198+12.74
North 1507837.52 East 2275936.24
PT Sta = 203+69.29 DA = N 43°35'15.2" E
North 1508416.21 East 2276487.08

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

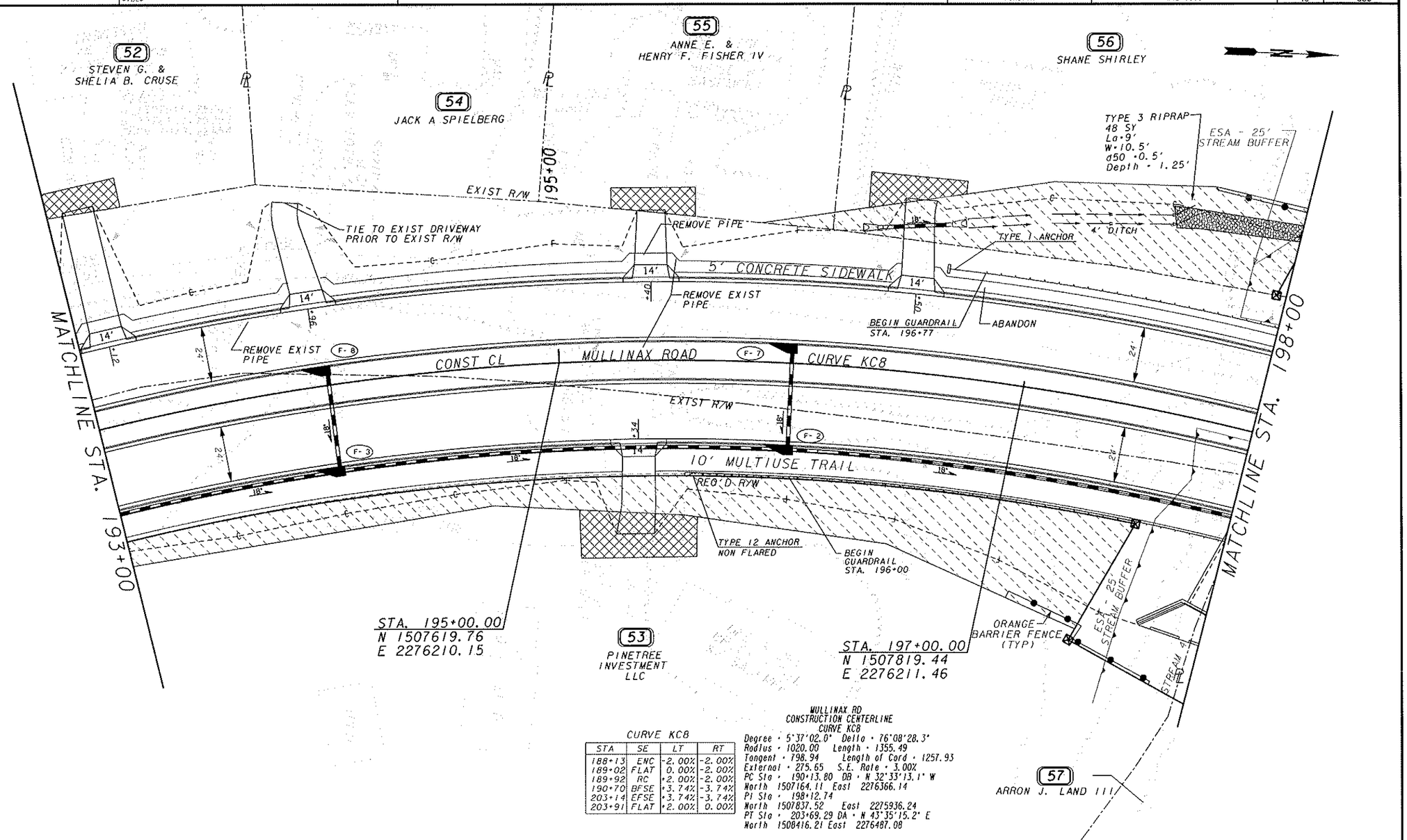
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No. 13-12

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	46	630



CURVE KC8

STA	SE	LT	RT
188+13	ENC	-2.00%	-2.00%
189+02	FLAT	0.00%	-2.00%
189+92	RC	+2.00%	-2.00%
190+70	BFSE	+3.74%	-3.74%
203+14	EFSE	+3.74%	-3.74%
203+91	FLAT	+2.00%	0.00%

MULLINAX RD
CONSTRUCTION CENTERLINE
CURVE KC8
Degree = 5°37'02.0" Delta = 76°08'28.3"
Radius = 1020.00 Length = 1355.49
Tangent = 798.94 Length of Cord = 1257.93
External = 275.65 S.E. Rate = 3.00%
PC Sta = 190+13.80 DB = N 32°33'13.1" W
North 1507164.11 East 2276366.14
PI Sta = 198+12.74
North 1507837.52 East 2275936.24
PT Sta = 203+69.29 DA = N 43°35'15.2" E
North 1508416.21 East 2276487.08

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

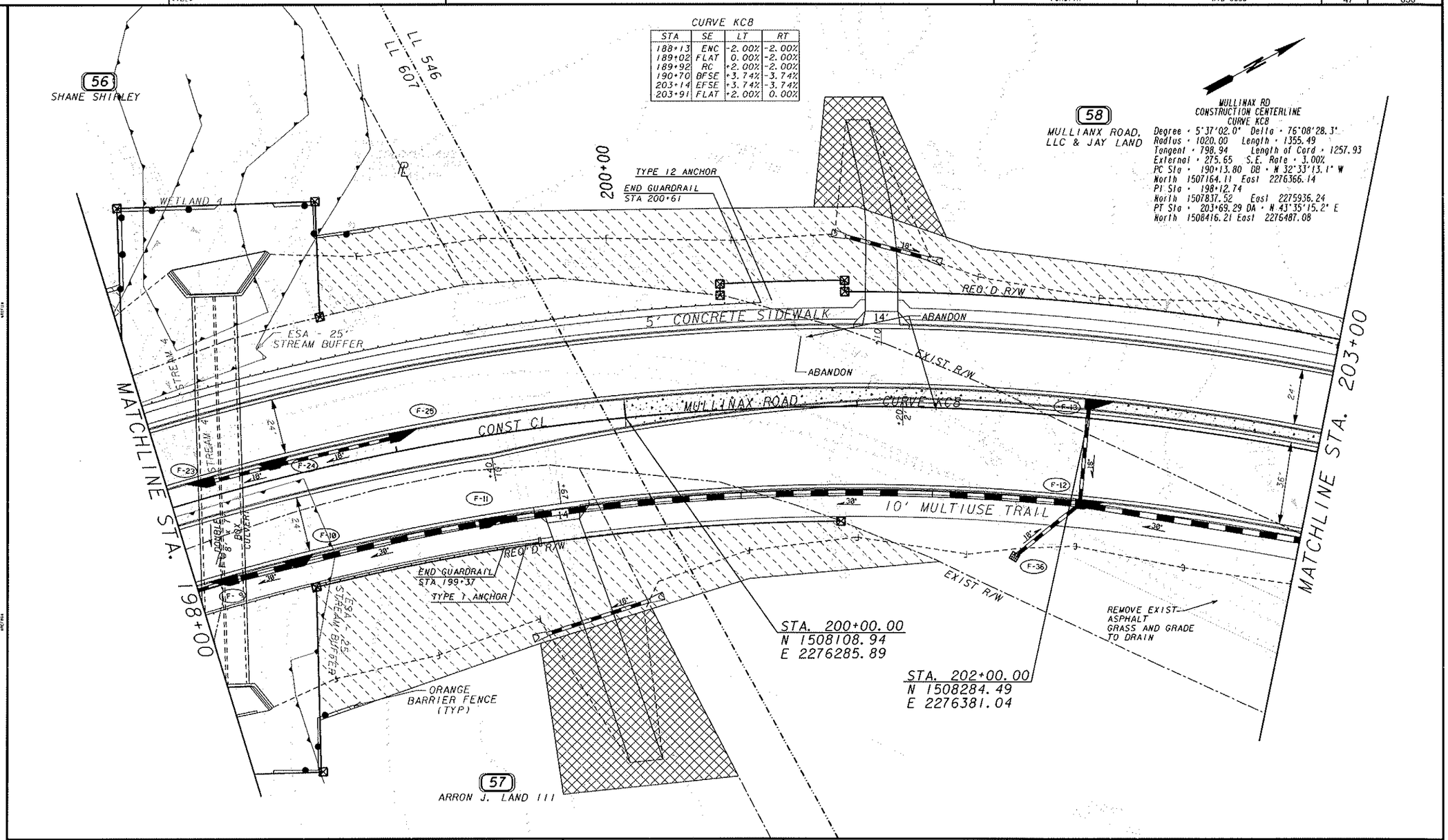
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No. 13-13

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	47	630



CURVE KC8

STA	SE	LT	RT
188+13	ENC	-2.00%	-2.00%
189+02	FLAT	0.00%	-2.00%
189+92	RC	+2.00%	-2.00%
190+70	BFSE	+3.74%	-3.74%
203+14	EFSE	+3.74%	-3.74%
203+91	FLAT	+2.00%	0.00%

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING NO. 13-14

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	48	630

MULLINAX RD
CONSTRUCTION CENTERLINE
CURVE KC8
Degree = 5°37'02.0" Delta = 76°08'28.3"
Radius = 1020.00 Length = 1355.49
Tangent = 798.94 Length of Cord = 1257.93
External = 275.65 S.E. Rate = 3.00%
PC Sta = 190+13.80 OB = N 32°33'13.1" W
North 1507164.11 East 2276366.14
PI Sta = 198+12.74
North 1507837.52 East 2275936.24
PT Sta = 203+69.29 DA = N 43°35'15.2" E
North 1508416.21 East 2276487.08

58
MULLIANX ROAD,
LLC & JAY LAND

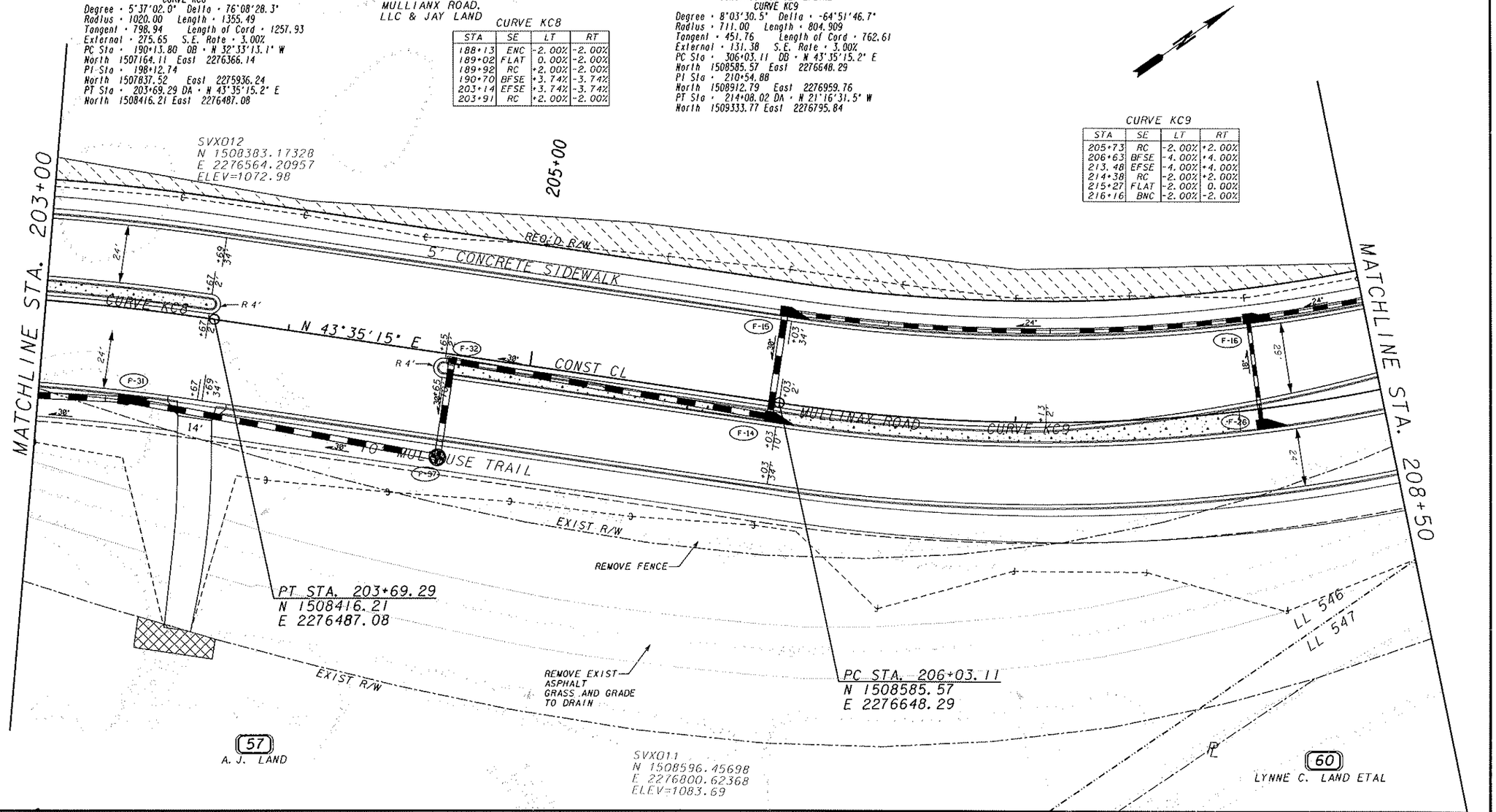
CURVE KC8

STA	SE	LT	RT
188+13	ENC	-2.00%	-2.00%
189+02	FLAT	0.00%	-2.00%
189+92	RC	+2.00%	-2.00%
190+70	BFSE	+3.74%	-3.74%
203+14	EFSE	+3.74%	-3.74%
203+91	RC	+2.00%	-2.00%

MULLINAX RD
CONSTRUCTION CENTERLINE
CURVE KC9
Degree = 8°03'30.5" Delta = -64°51'46.7"
Radius = 711.00 Length = 804.909
Tangent = 451.76 Length of Cord = 762.61
External = 131.38 S.E. Rate = 3.00%
PC Sta = 306+03.11 OB = N 43°35'15.2" E
North 1508585.57 East 2276648.29
PI Sta = 210+54.88
North 1508912.79 East 2276959.76
PT Sta = 214+08.02 DA = N 21°16'31.5" W
North 1509333.77 East 2276795.84

CURVE KC9

STA	SE	LT	RT
205+73	RC	-2.00%	+2.00%
206+63	BFSE	-4.00%	+4.00%
213.48	EFSE	-4.00%	+4.00%
214+38	RC	-2.00%	+2.00%
215+27	FLAT	-2.00%	0.00%
216+16	BNC	-2.00%	-2.00%



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

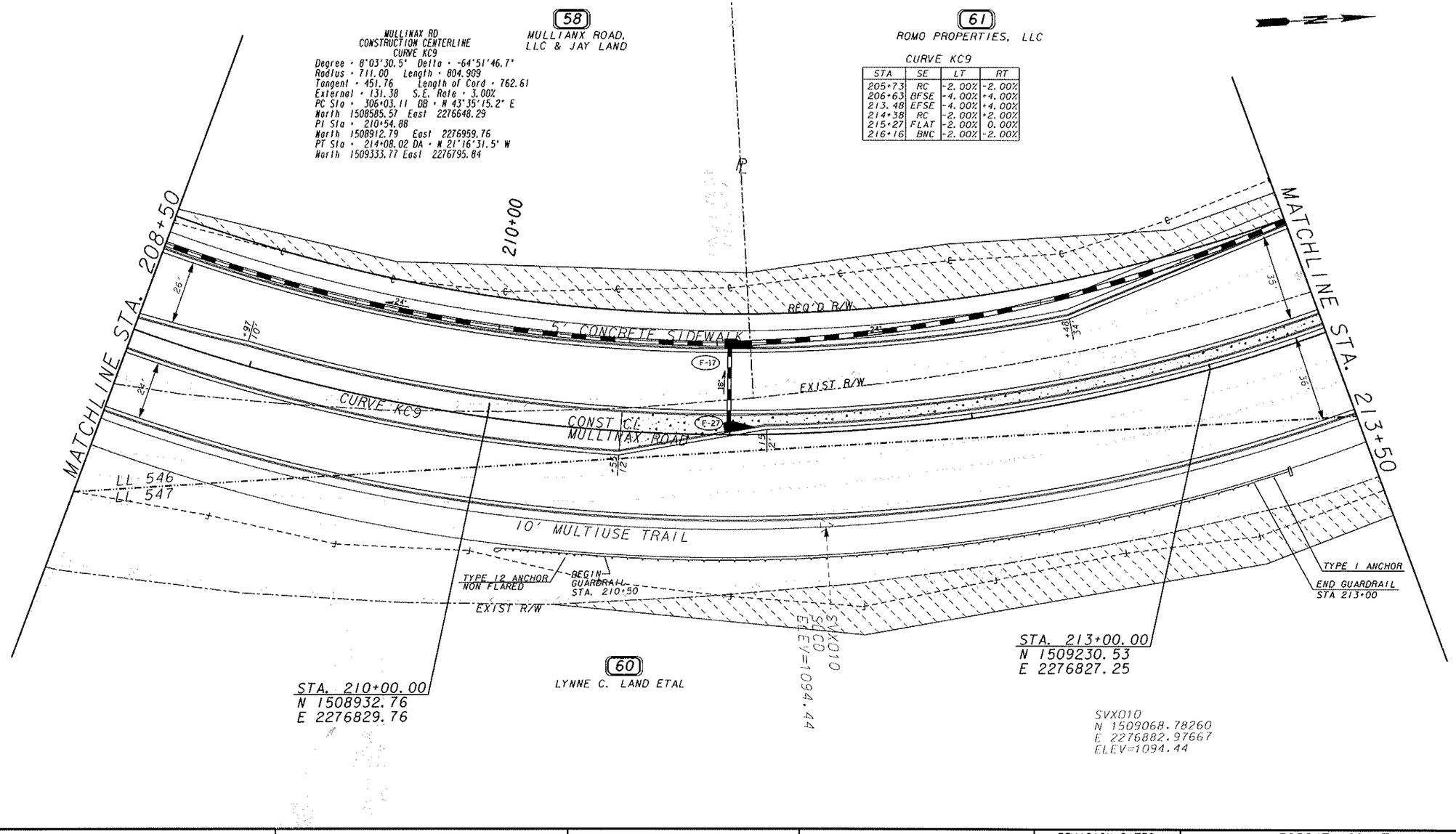
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING NO.
13-15

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	49	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

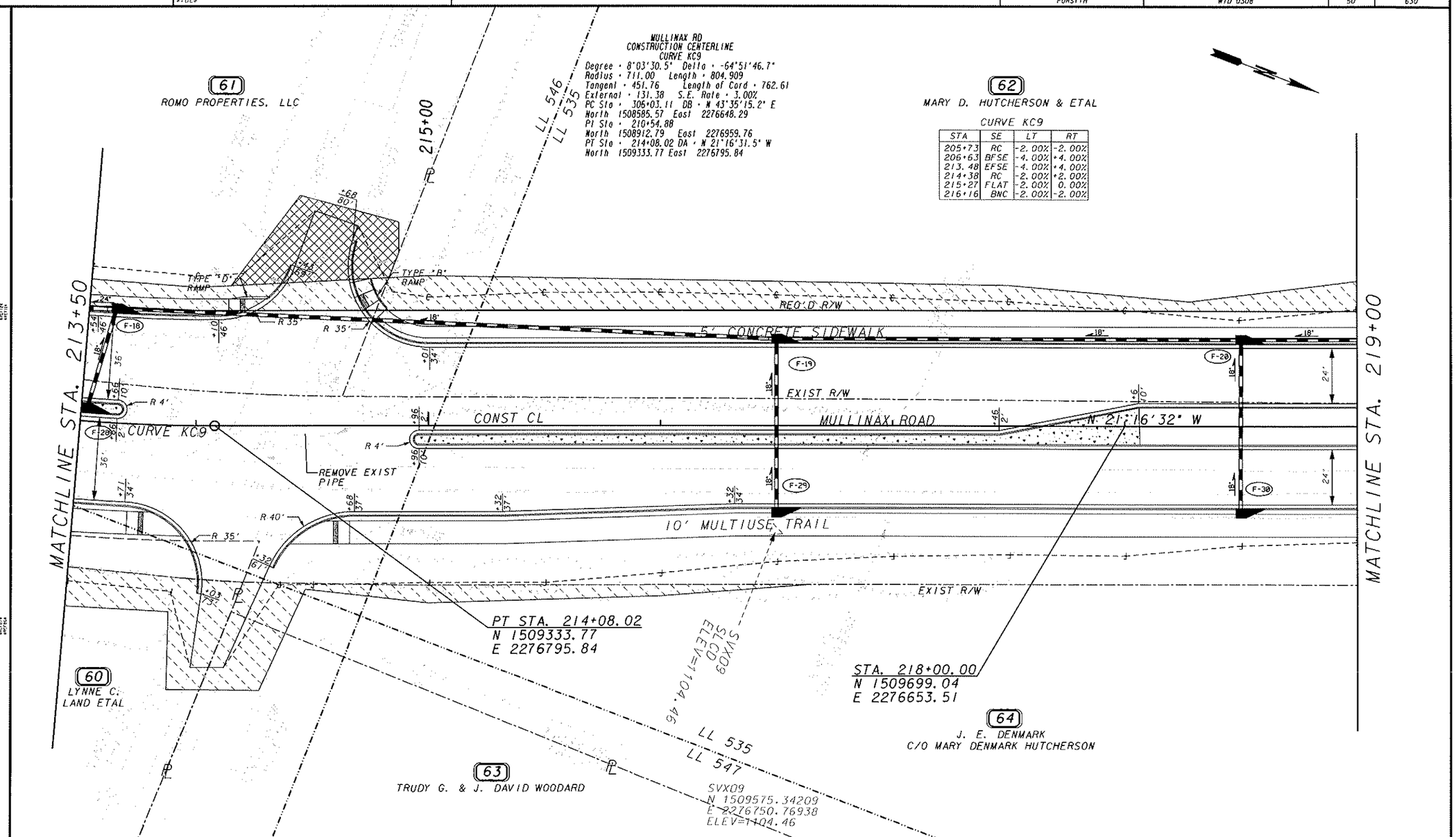
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-16

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	50	630



GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

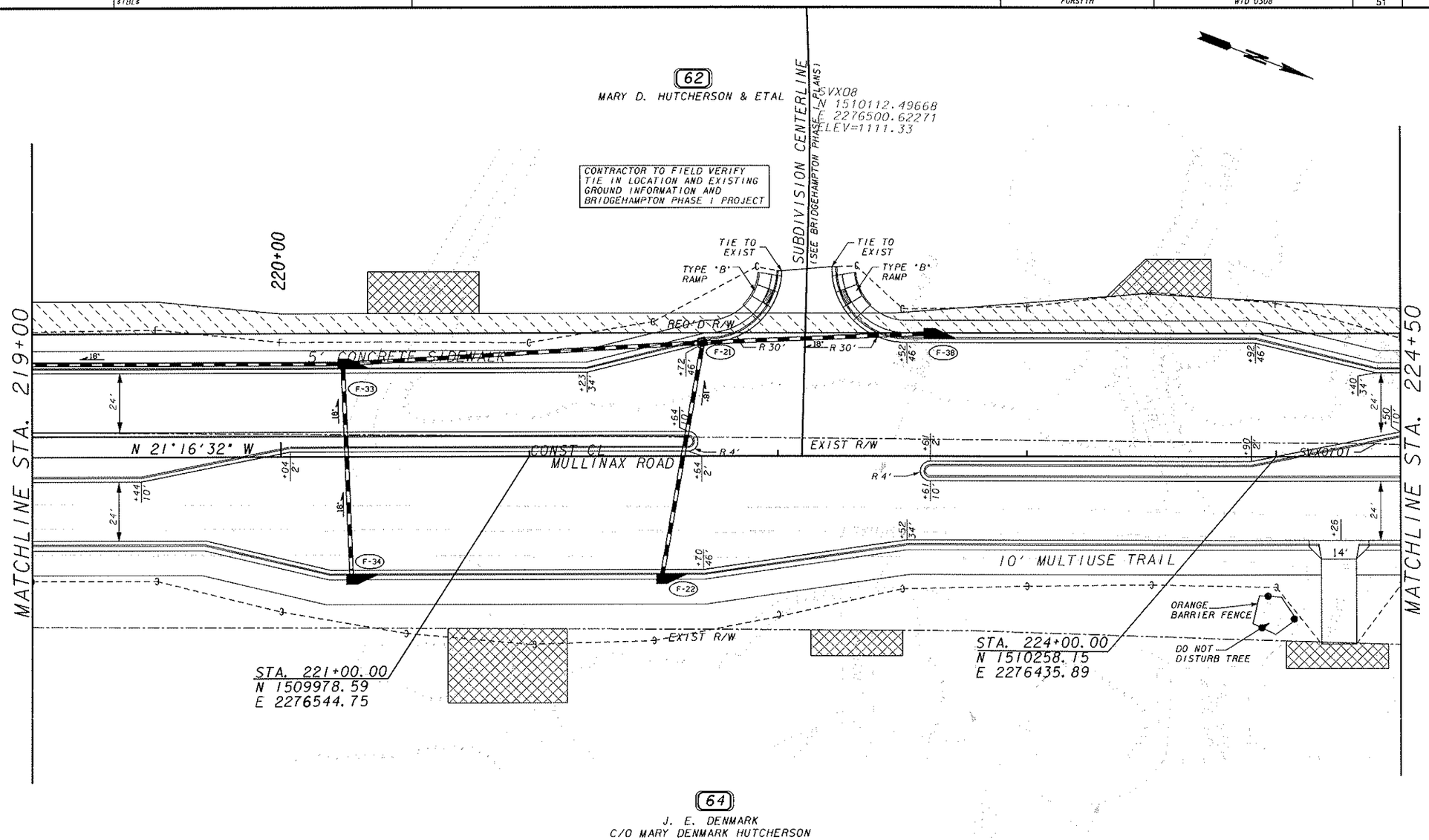
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-17

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	51	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

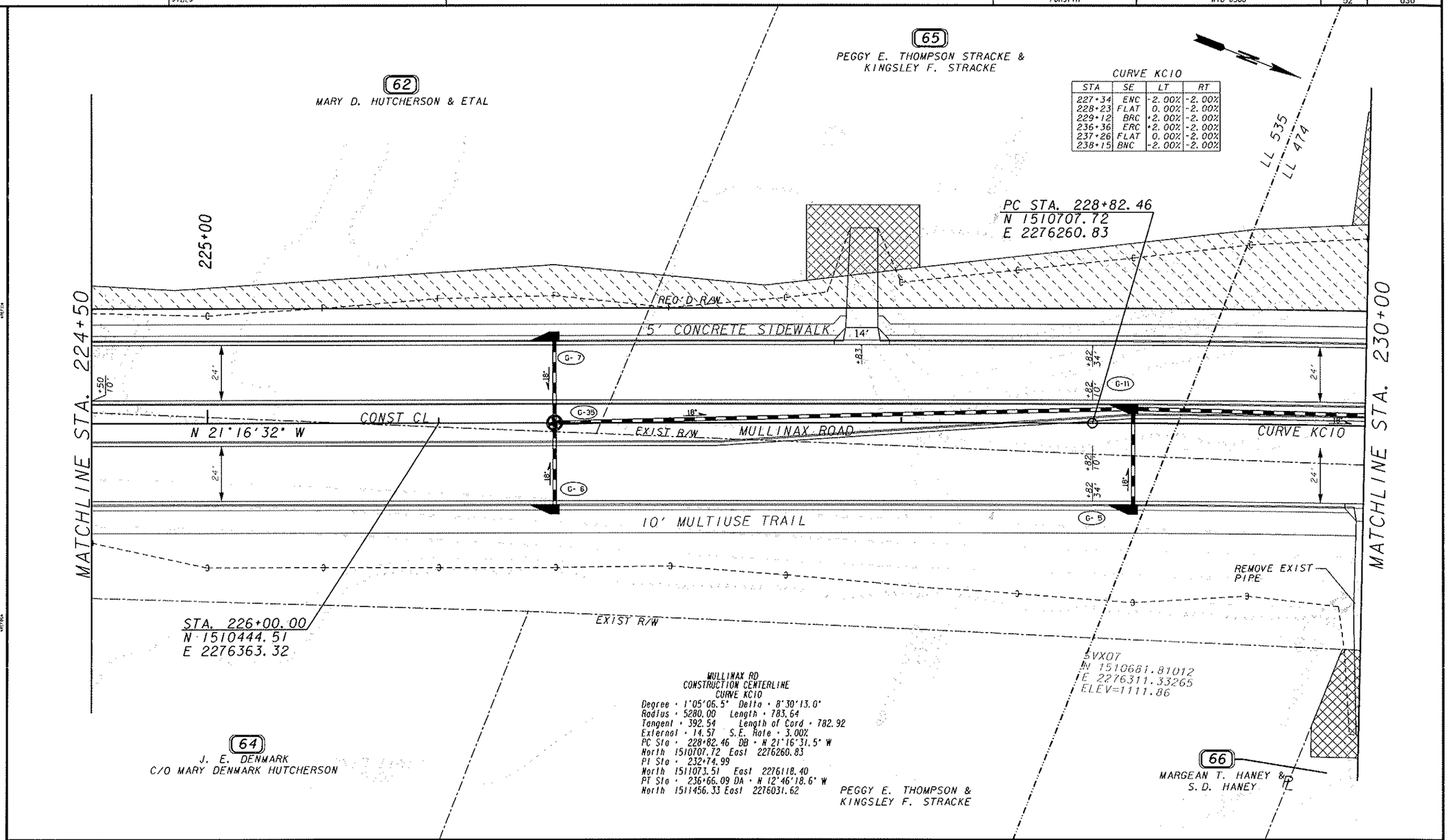
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING NO.
13-18

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TDL		FORSYTH	WID 0308	52	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

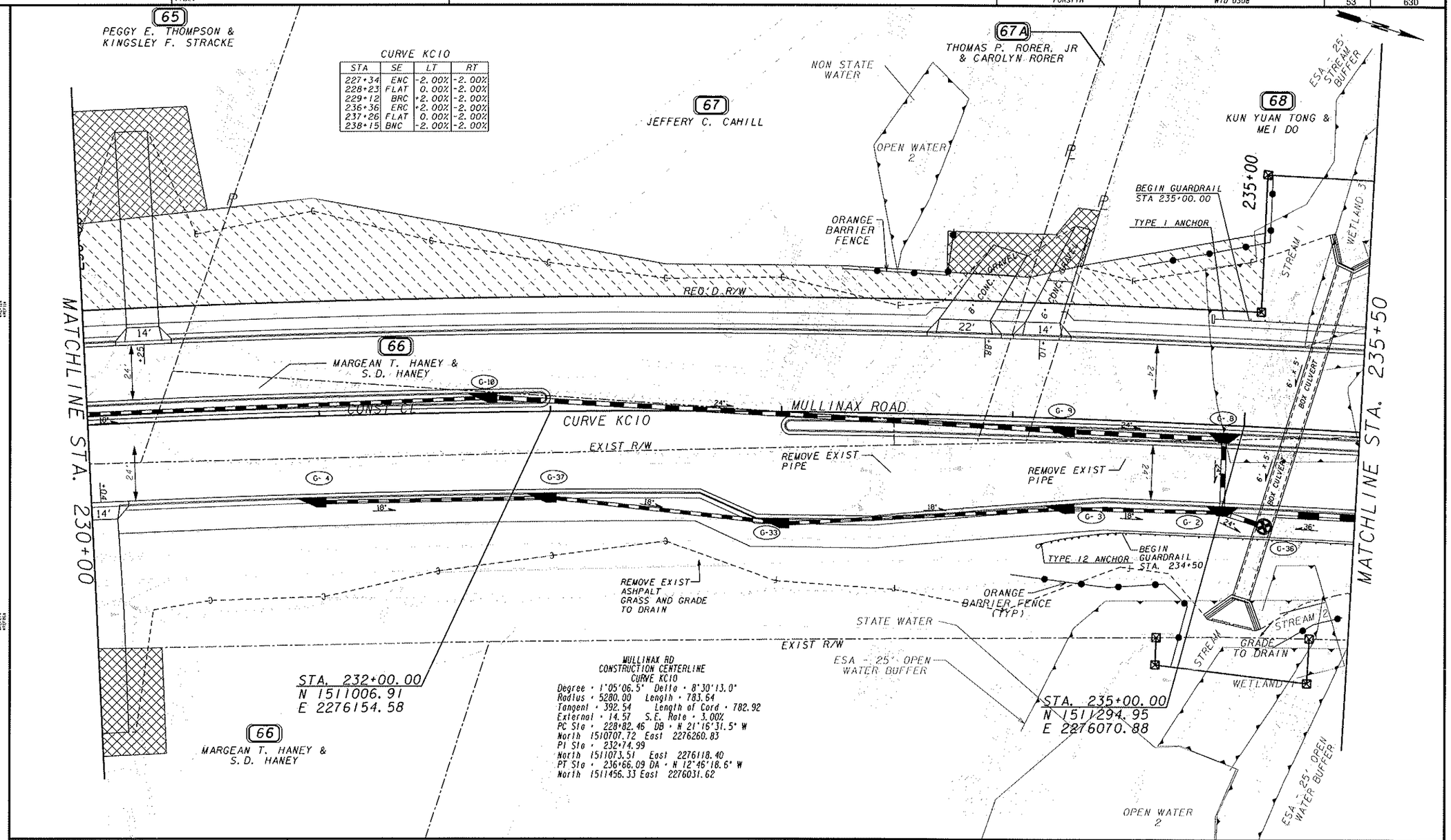
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-19

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	53	630



CURVE KC10

STA	SE	LT	RT
227+34	ENC	-2.00%	-2.00%
228+23	FLAT	0.00%	-2.00%
229+12	BRC	+2.00%	-2.00%
236+36	ERC	+2.00%	-2.00%
237+26	FLAT	0.00%	-2.00%
238+15	BNC	-2.00%	-2.00%

MULLINAX RD
CONSTRUCTION CENTERLINE
CURVE KC10

Degree = 1°05'06.5" Delta = 8°30'13.0"
Radius = 5280.00 Length = 783.64
Tangent = 392.54 Length of Cord = 782.92
External = 14.57 S.E. Rate = 3.00%
PC Sta = 228+82.46 DB = N 21°16'31.5" W
North 1510707.72 East 2276260.83
PI Sta = 232+74.99
North 1511073.51 East 2276118.40
PT Sta = 236+66.09 DA = N 12°46'18.6" W
North 1511456.33 East 2276031.62

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

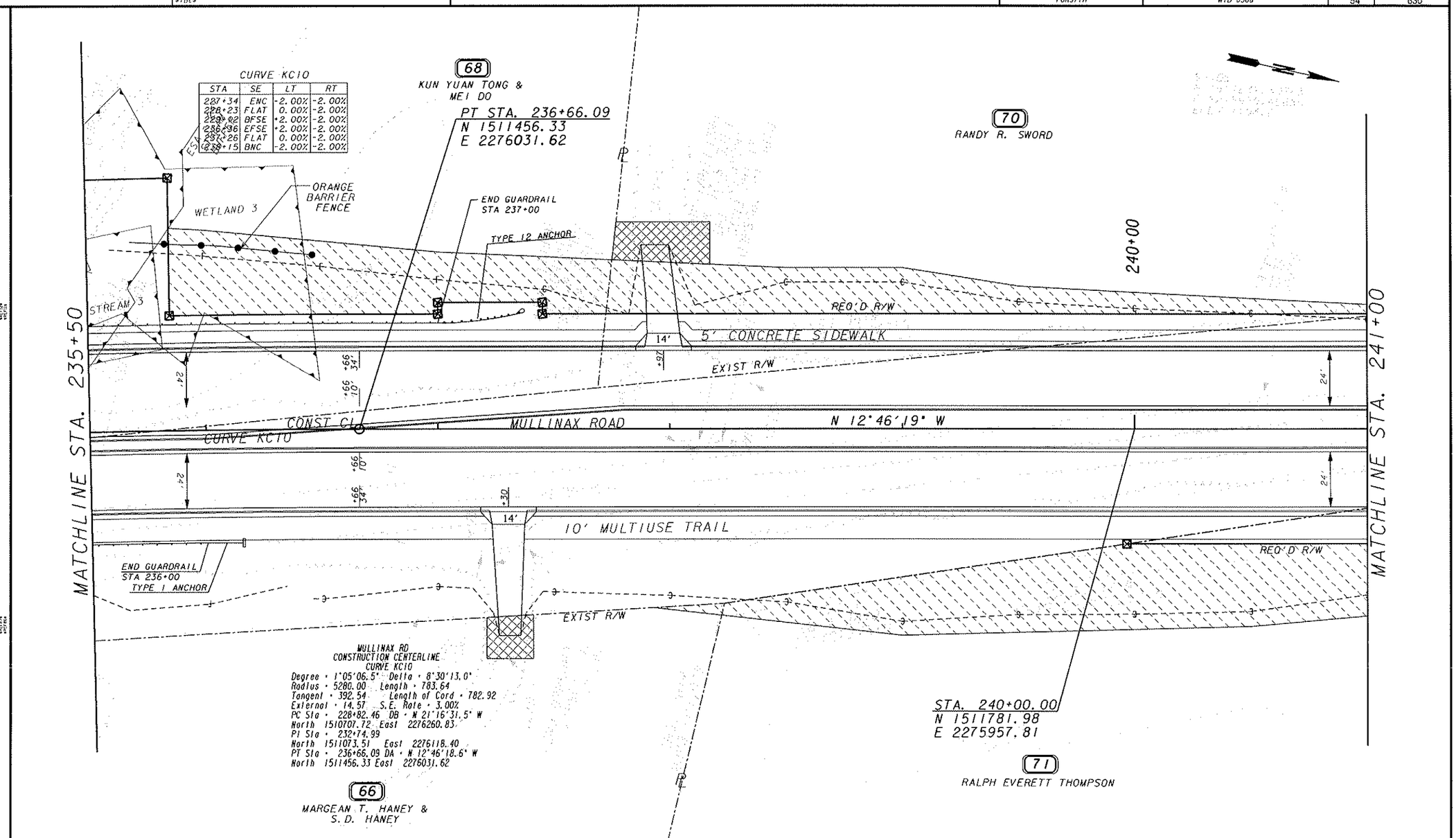
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING NO. 13-20

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	54	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

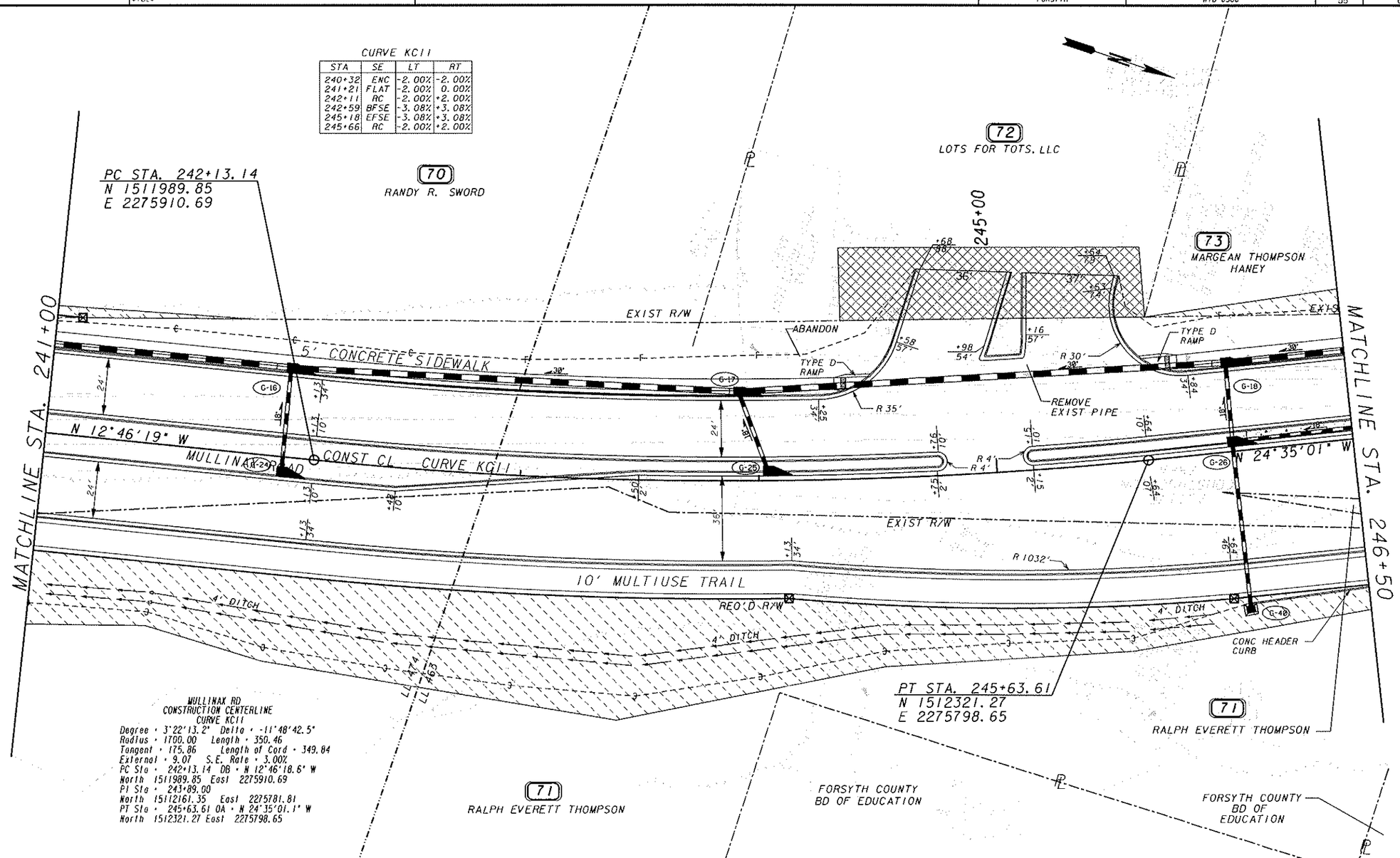
WID 0308
FORSYTH COUNTY

DRAWING No. 13-21

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	55	630

CURVE KC11

STA	SE	LT	RT
240+32	ENC	-2.00%	-2.00%
241+21	FLAT	-2.00%	0.00%
242+11	RC	-2.00%	+2.00%
242+59	BFSE	-3.08%	+3.08%
245+18	EFSE	-3.08%	+3.08%
245+66	RC	-2.00%	+2.00%



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

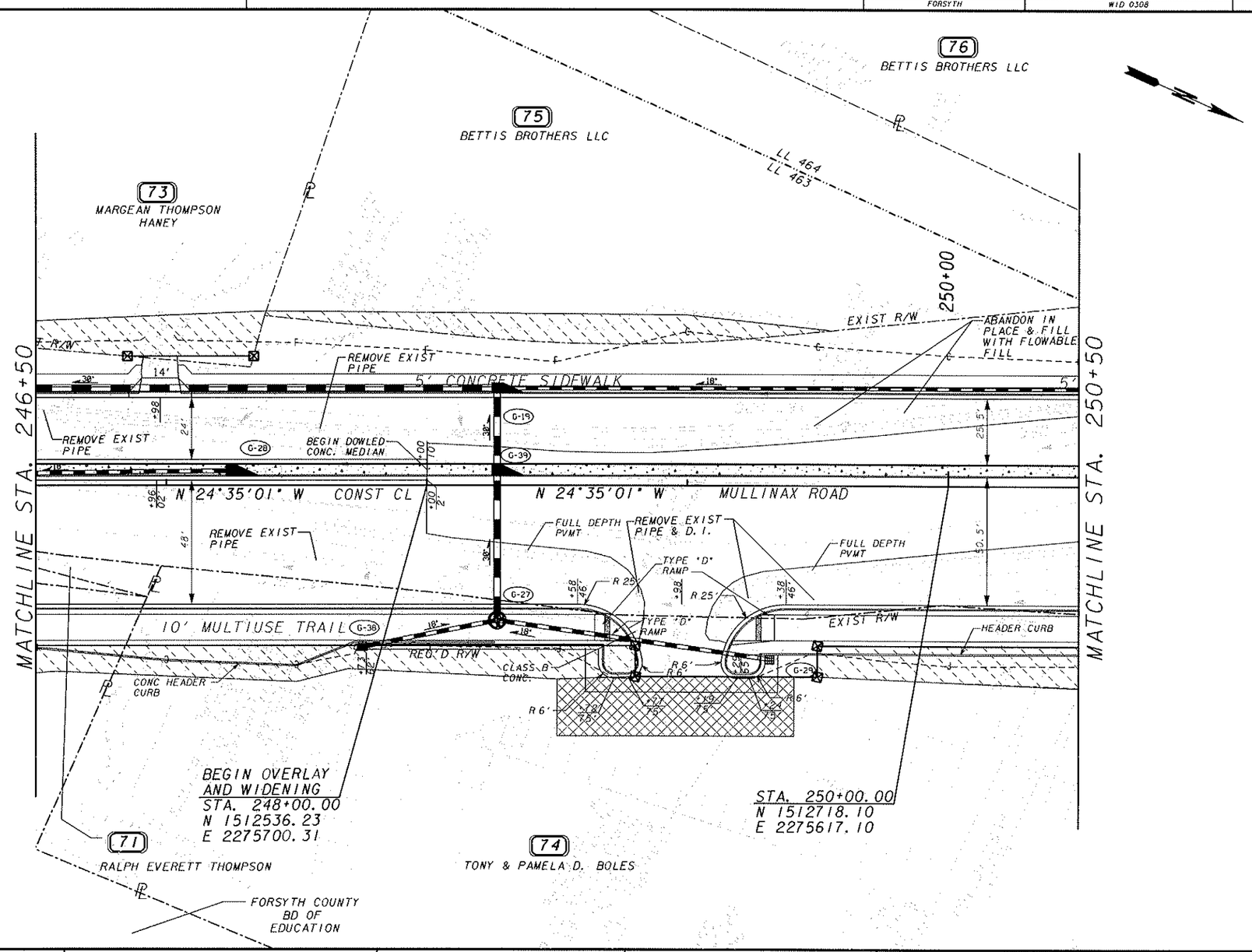
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No. 13-22

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	56	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
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REVISION DATES

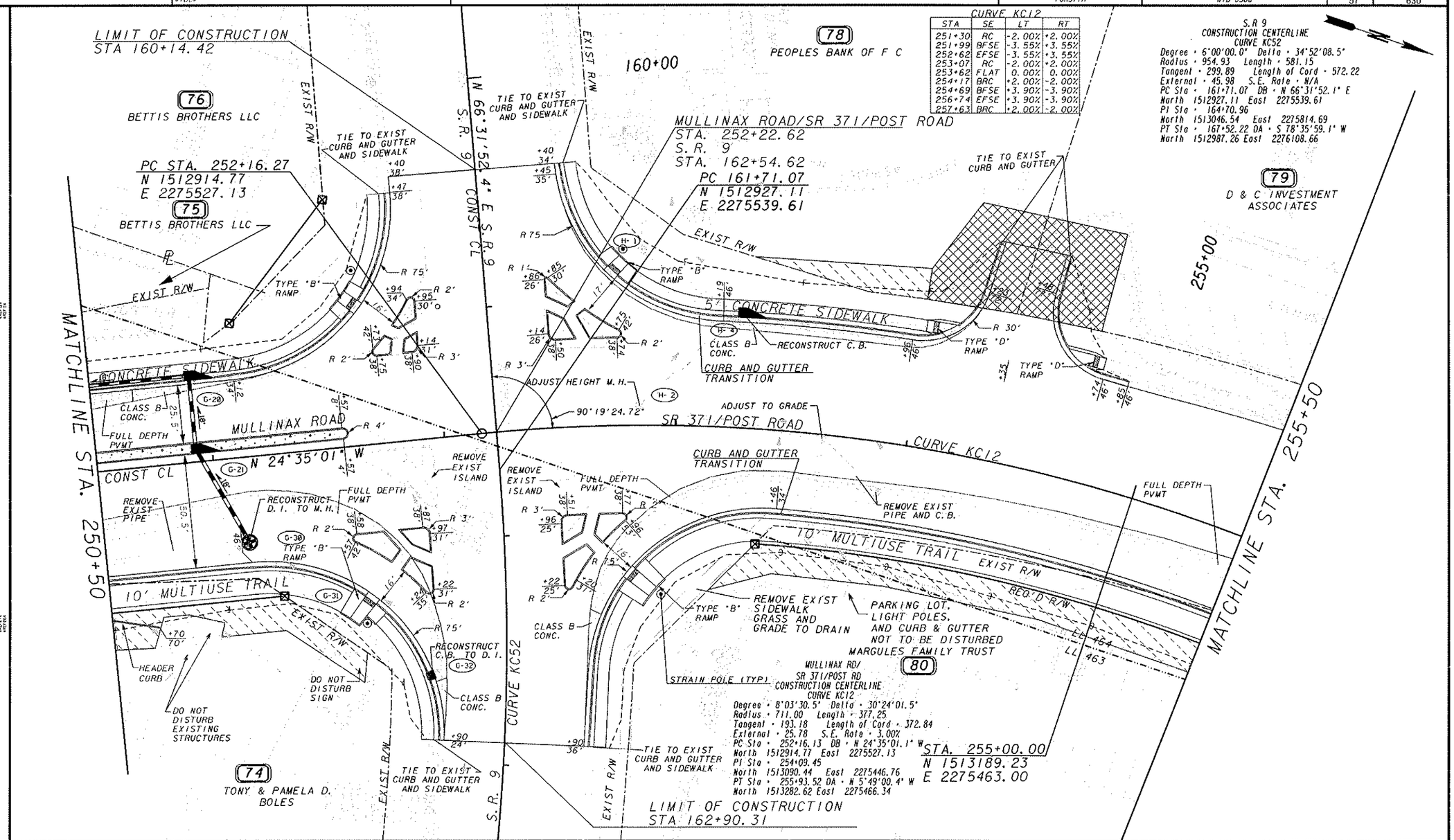
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-23

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	57	630



CURVE KC12

STA	SE	LT	RT
251+30	RC	-2.00%	+2.00%
251+99	BFSE	-3.55%	+3.55%
252+62	EFSE	-3.55%	+3.55%
253+07	RC	-2.00%	+2.00%
253+62	FLAT	0.00%	0.00%
254+17	BRC	+2.00%	-2.00%
254+69	BFSE	+3.90%	-3.90%
256+74	EFSE	+3.90%	-3.90%
257+63	BRC	+2.00%	-2.00%

S.R 9
CONSTRUCTION CENTERLINE
CURVE KC52
Degree = 6°00'00.0" Delta = 34°52'08.5"
Radius = 954.93 Length = 581.15
Tangent = 299.89 Length of Curve = 572.22
External = 45.98 S.E. Rate = N/A
PC Sta = 161+71.07 DB = N 66°31'52.1" E
North 1512927.11 East 2275539.61
PI Sta = 164+70.96
North 1513046.54 East 2275814.69
PT Sta = 167+52.22 DA = S 78°35'59.1" W
North 1512987.26 East 2276108.66

MULLINAX RD/
SR 371/POST RD
CONSTRUCTION CENTERLINE
CURVE KC12
Degree = 8°03'30.5" Delta = 30°24'01.5"
Radius = 711.00 Length = 377.25
Tangent = 193.18 Length of Curve = 372.84
External = 25.78 S.E. Rate = 3.00%
PC Sta = 252+16.13 DB = N 24°35'01.1" W
North 1512914.77 East 2275527.13
PI Sta = 254+09.45
North 1513090.44 East 2275446.76
PT Sta = 255+93.52 DA = N 5°49'00.4" W
North 1513282.62 East 2275466.34

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

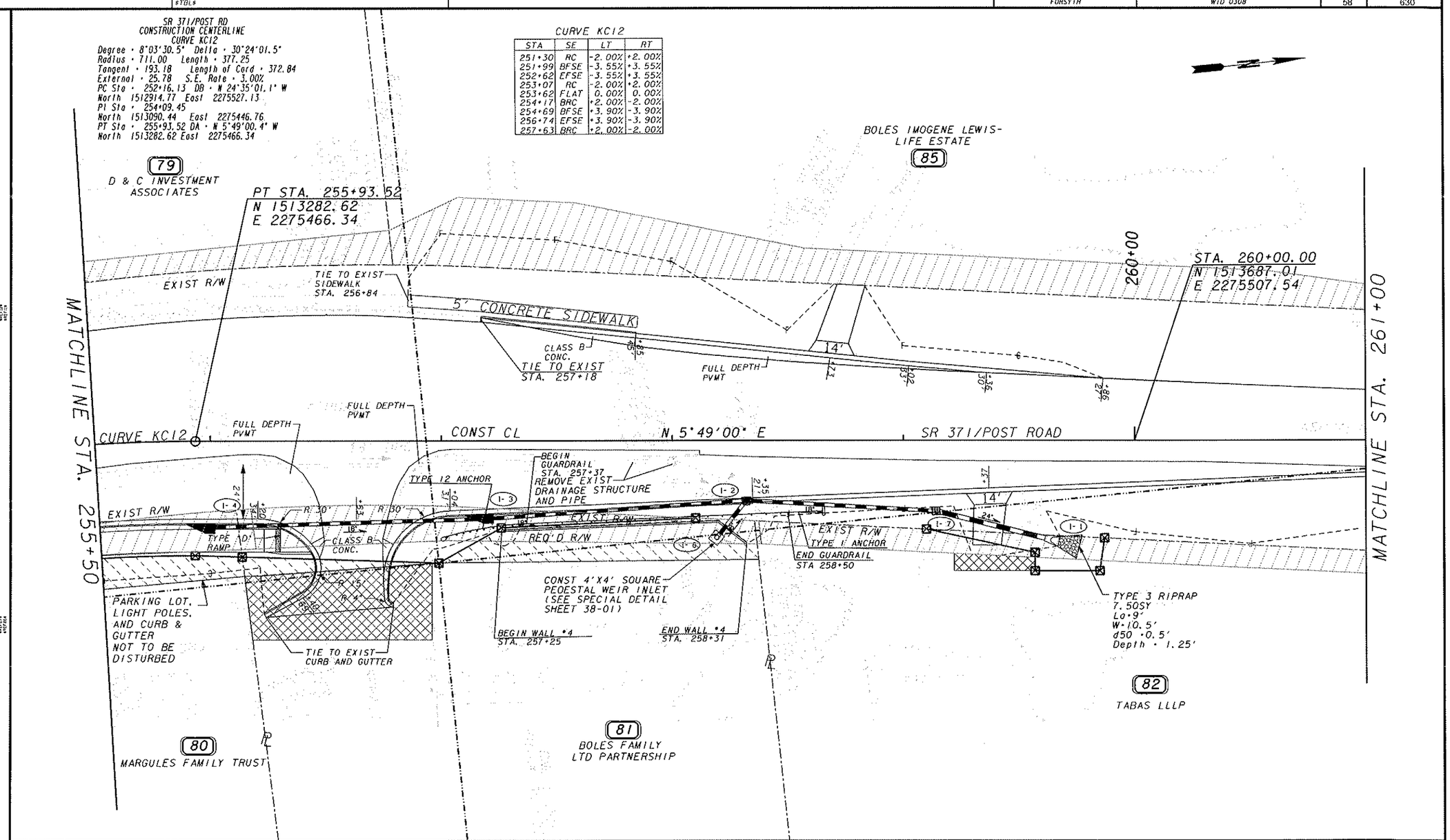
DRAWING No. 13-24

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	58	630

SR 371/POST RD
CONSTRUCTION CENTERLINE
CURVE KC12
Degree = 8°03'30.5" Delta = 30°24'01.5"
Radius = 711.00 Length = 377.25
Tangent = 193.18 Length of Curve = 372.84
External = 25.78 S.E. Rate = 3.00%
PC Sta = 252+16.13 DB = N 24°35'01.1" W
North 1512914.77 East 2275527.13
PI Sta = 254+09.45
North 1513090.44 East 2275446.76
PT Sta = 255+93.52 DA = N 5°49'00.4" W
North 1513282.62 East 2275466.34

CURVE KC12

STA	SE	LT	RT
251+30	RC	-2.00%	+2.00%
251+99	BFSE	-3.55%	+3.55%
252+62	EFSE	-3.55%	+3.55%
253+07	RC	-2.00%	+2.00%
253+62	FLAT	0.00%	0.00%
254+17	BRC	+2.00%	-2.00%
254+69	BFSE	+3.90%	-3.90%
256+74	EFSE	+3.90%	-3.90%
257+63	BRC	+2.00%	-2.00%



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No. 13-25

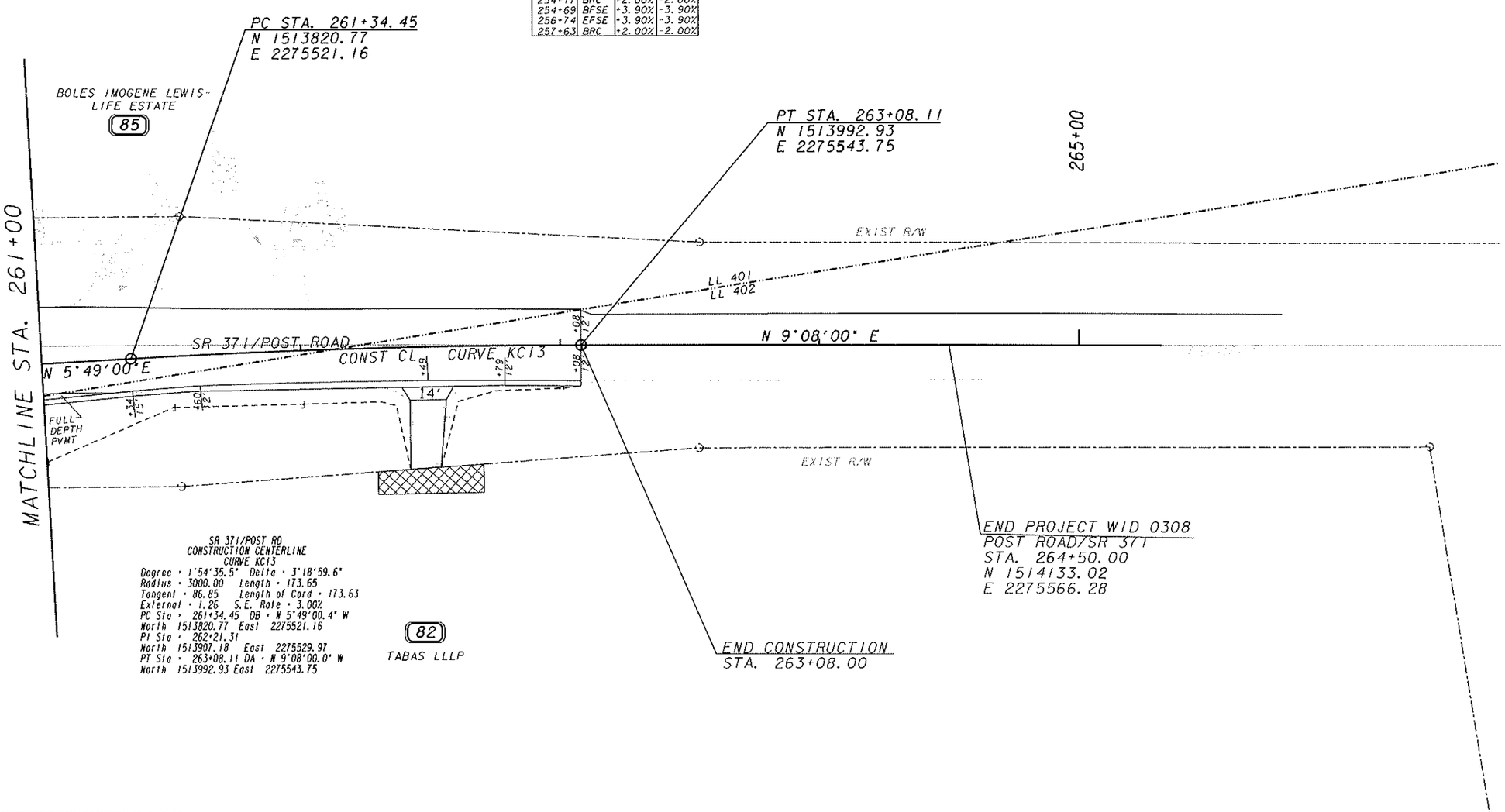
$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	59	630

CURVE KC12

STA	SE	LT	RT
251+30	RC	-2.00%	+2.00%
251+99	BFSE	-3.55%	+3.55%
252+62	EFSE	-3.55%	+3.55%
253+07	RC	-2.00%	+2.00%
253+62	FLAT	0.00%	0.00%
254+17	BRC	+2.00%	-2.00%
254+69	BFSE	+3.90%	-3.90%
256+74	EFSE	+3.90%	-3.90%
257+63	BRC	+2.00%	-2.00%

CURVE KC13

STA	SE	LT	RT
261+00	ERC	+2.00%	-2.00%
261+75	FLAT	0.00%	-2.00%
262+50	NC	EXIST	EXIST



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

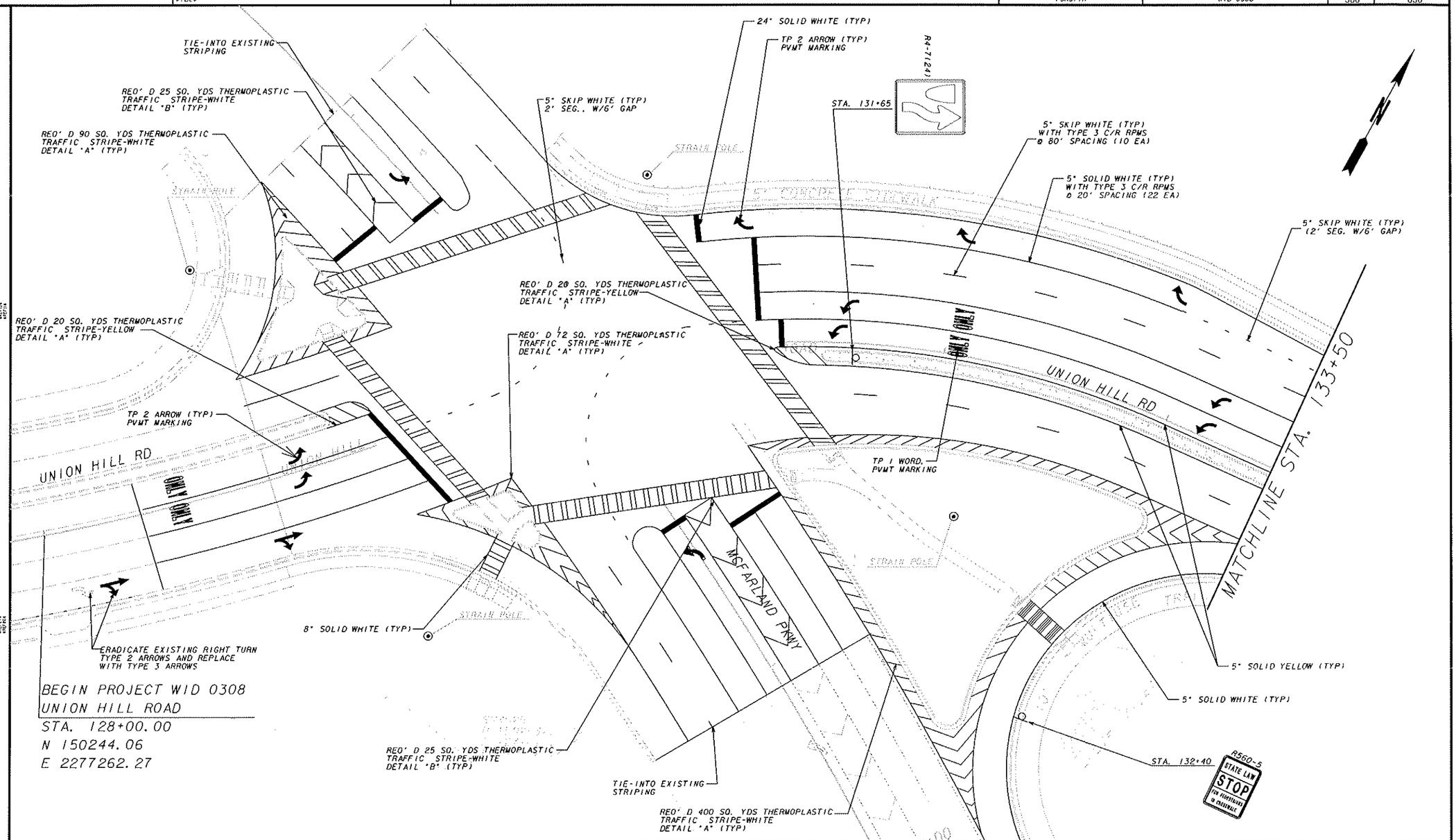
FORSYTH COUNTY
ENGINEERING DEPARTMENT

MAINLINE PLAN
MULLINAX ROAD/UNION HILL ROAD

WID 0308
FORSYTH COUNTY

DRAWING No.
13-26

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	380	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

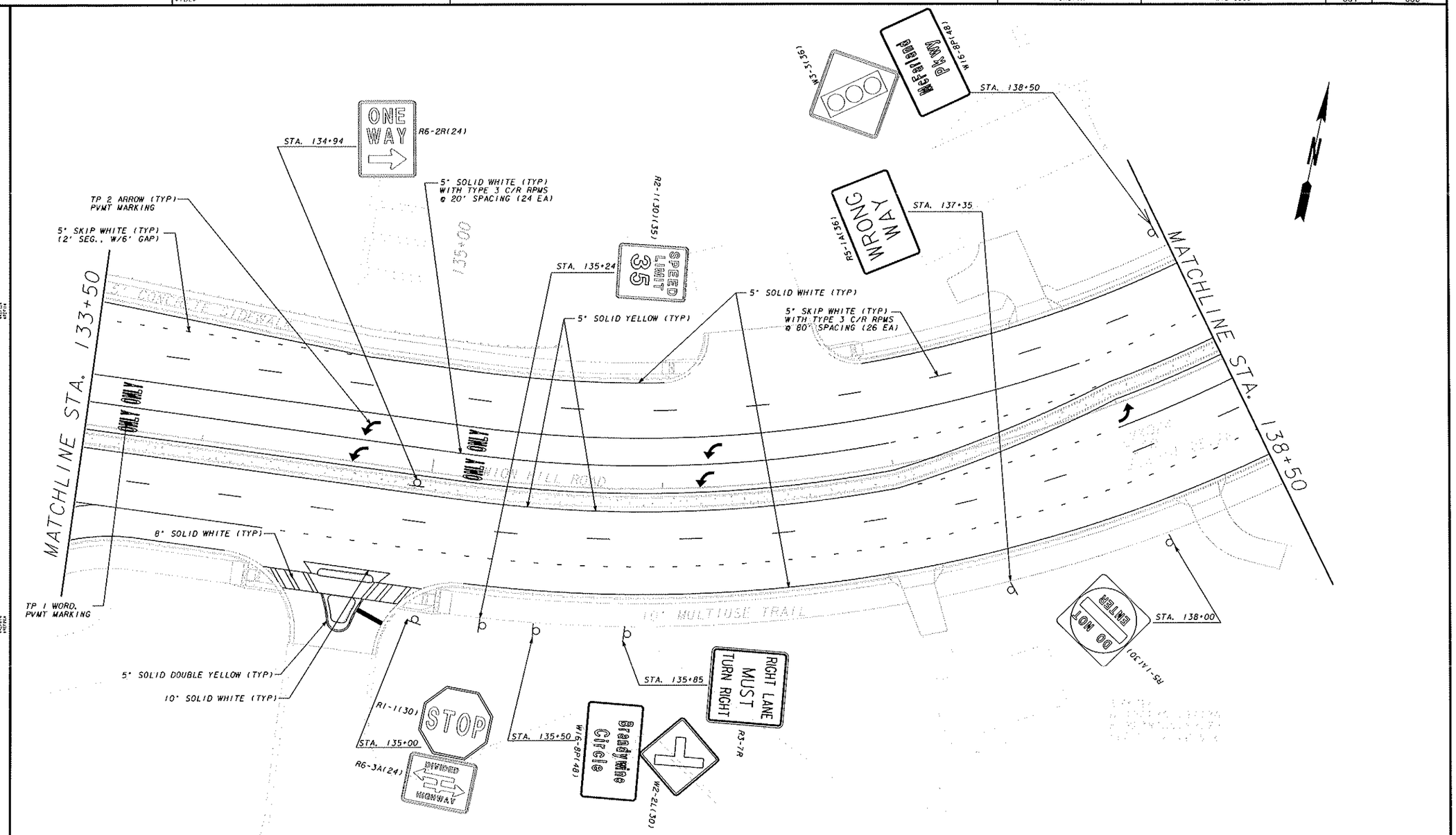
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-01

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	381	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

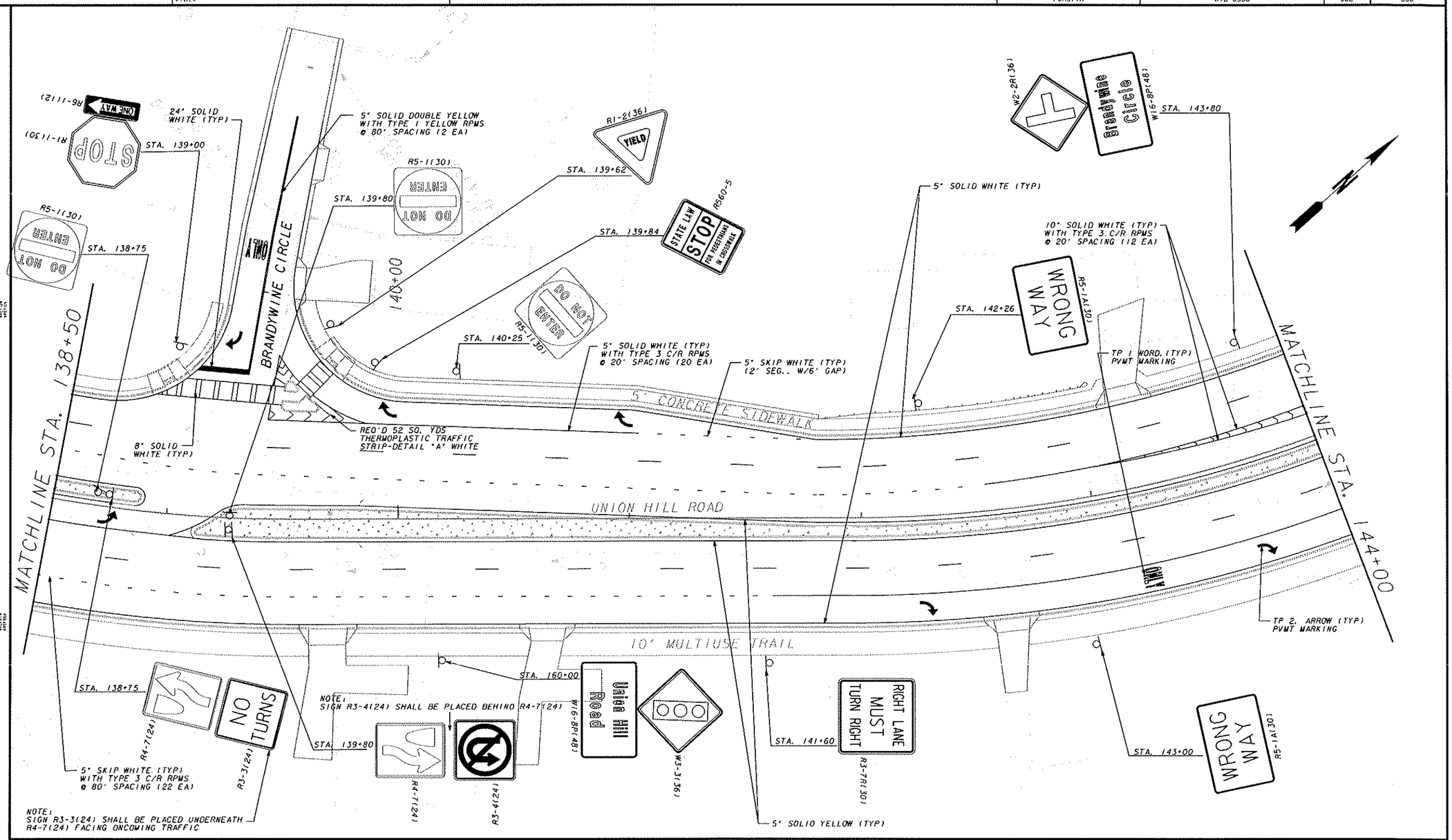
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-02

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	382	630



EXISTING R/W & PROPERTY LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	—C—F—
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
R/W AND LIMIT OF ACCESS	

GS&P

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

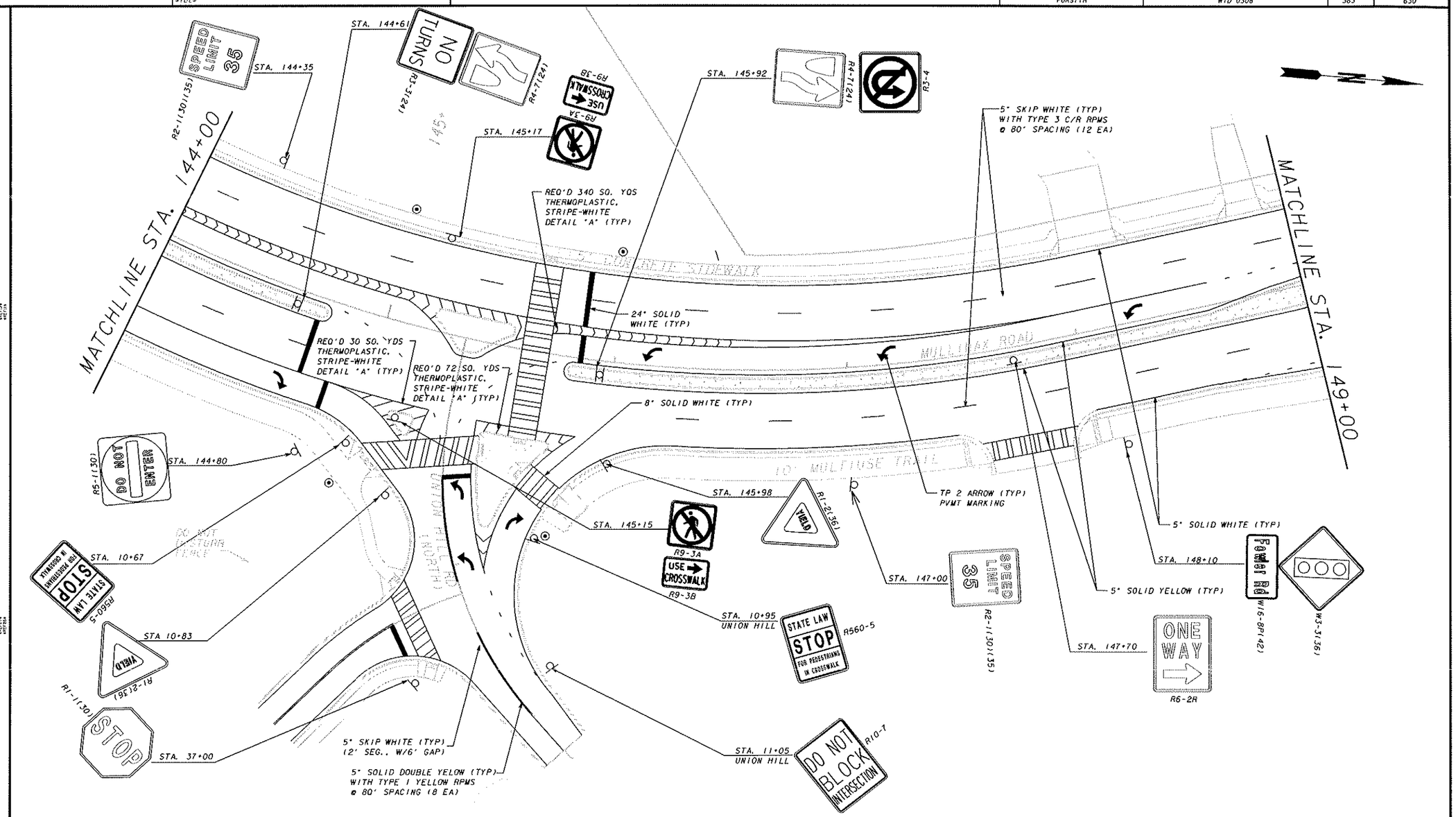
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-03

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TDL		FORSYTH	WID 0308	383	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

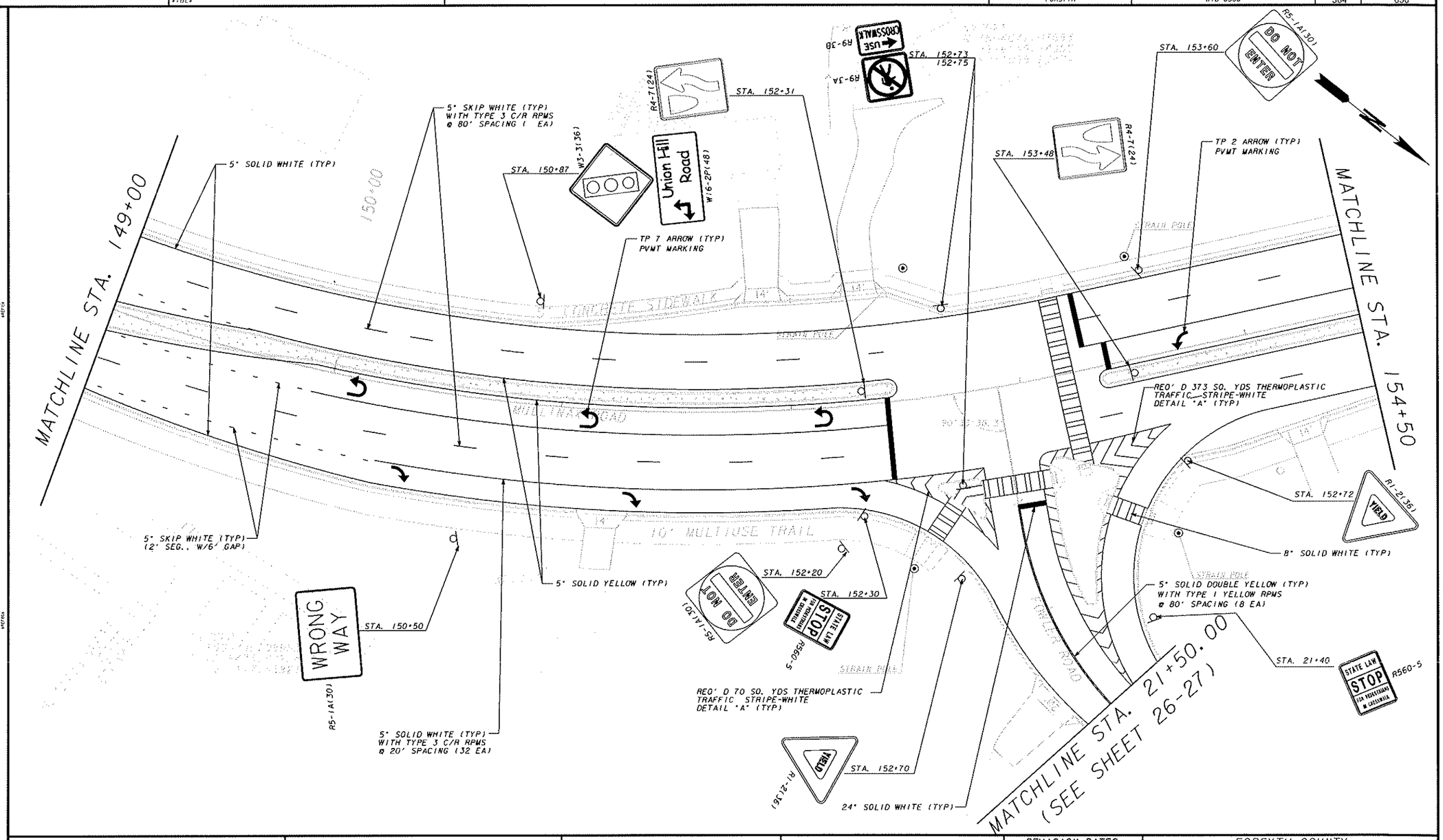
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No. 26-04

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	384	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

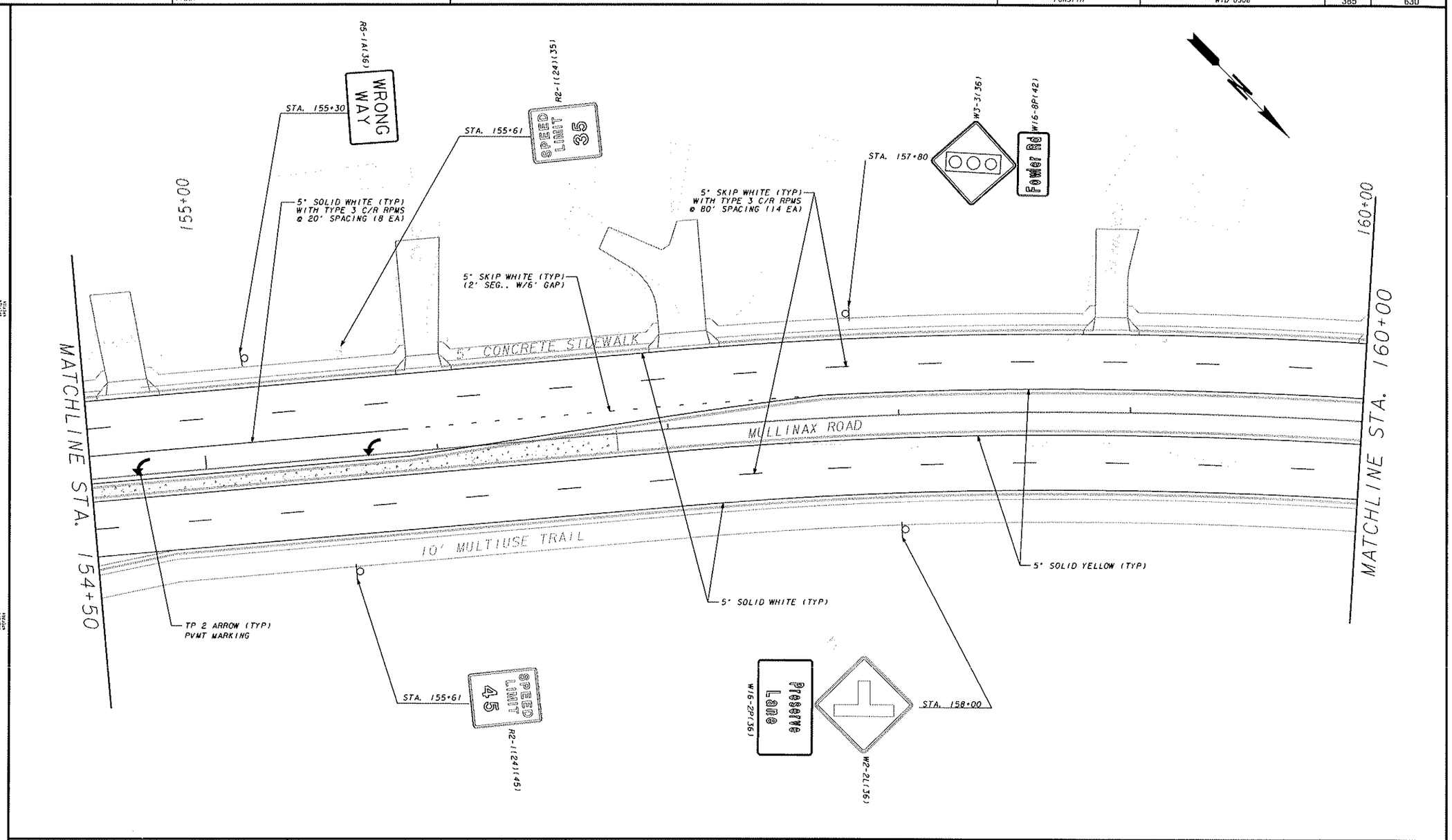
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No. 26-05

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	385	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

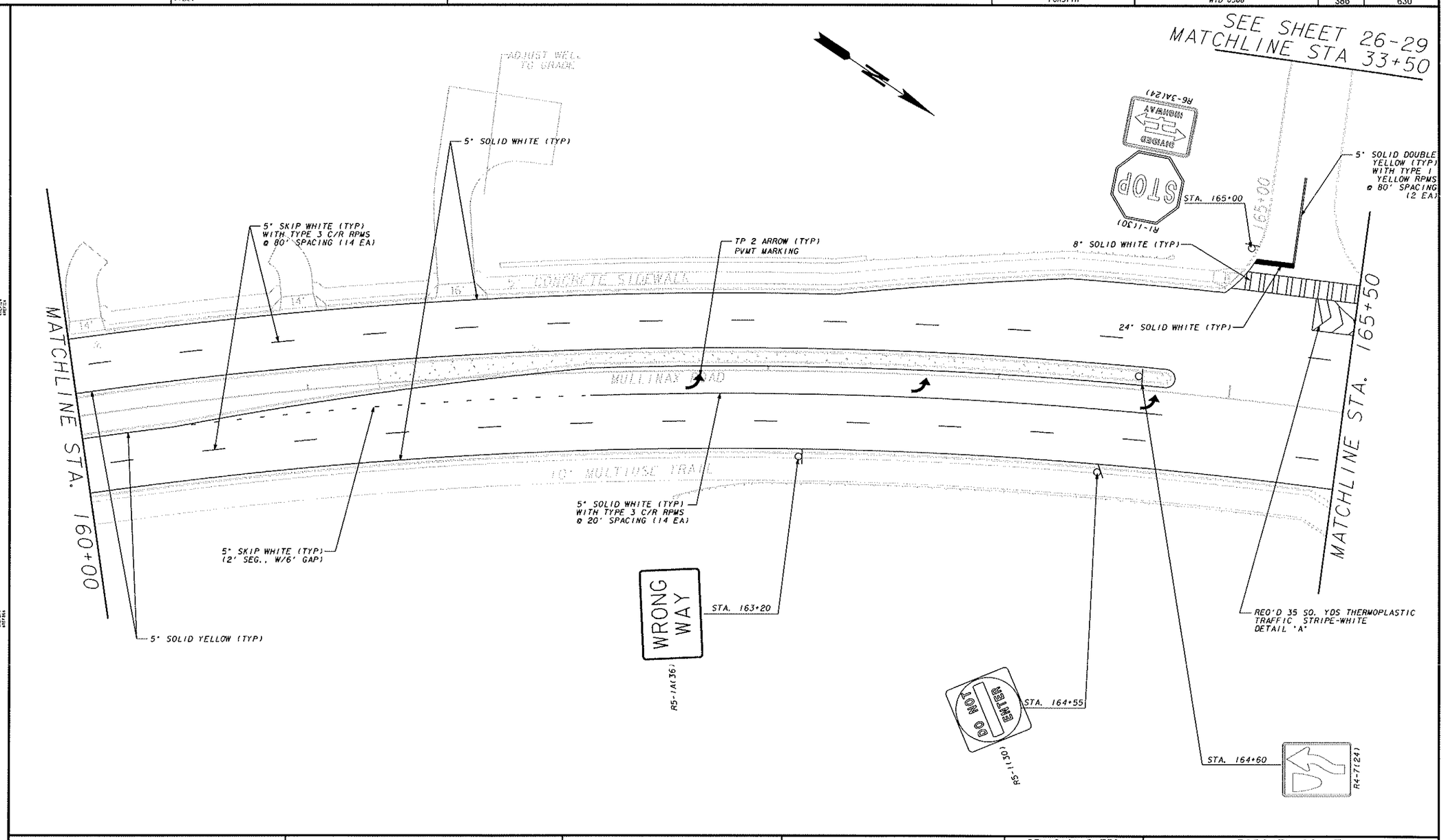
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No. 26-06

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	386	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS — C — F —
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

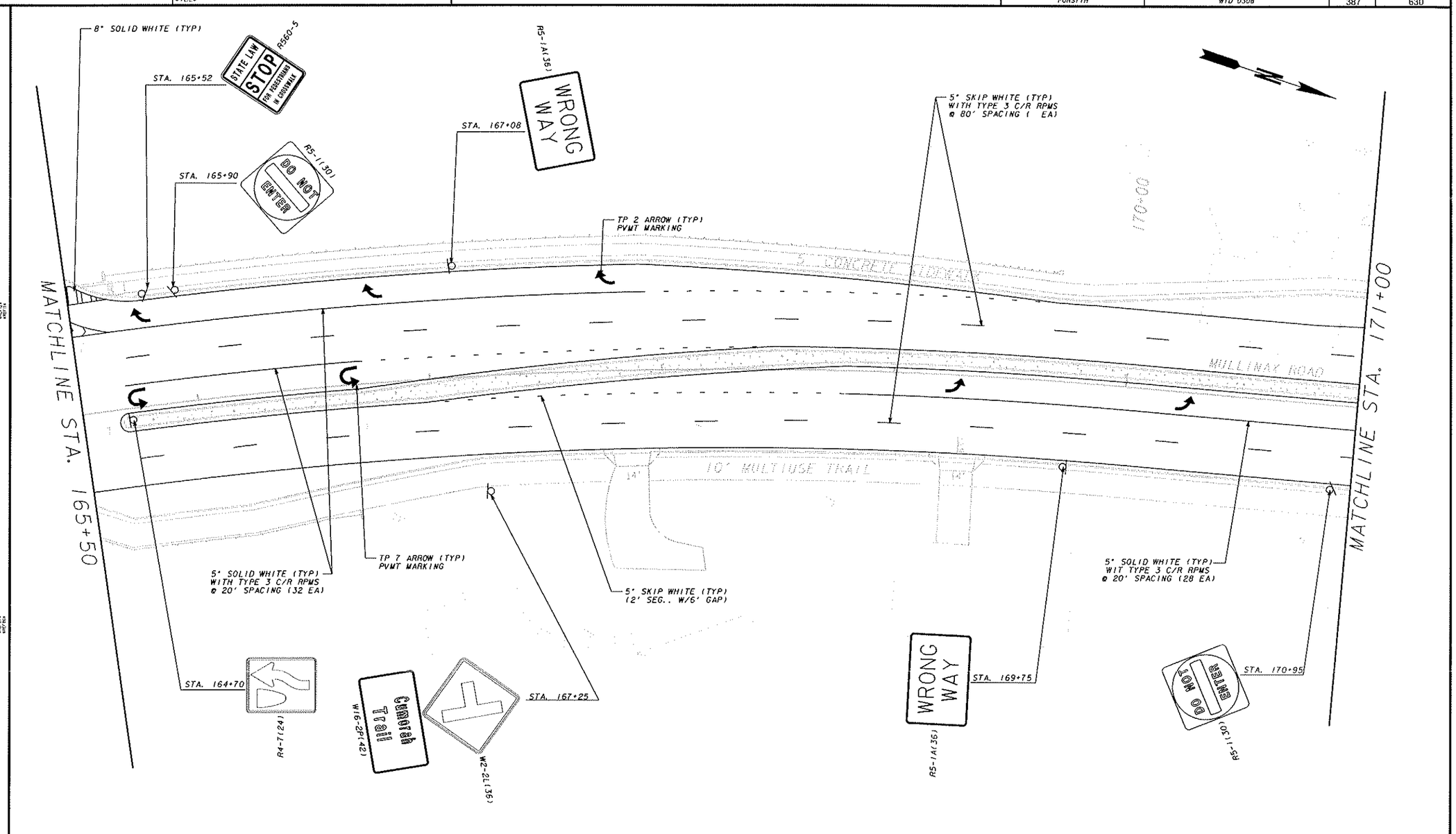
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-07

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	387	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS — C — F —
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING NO. 26-08

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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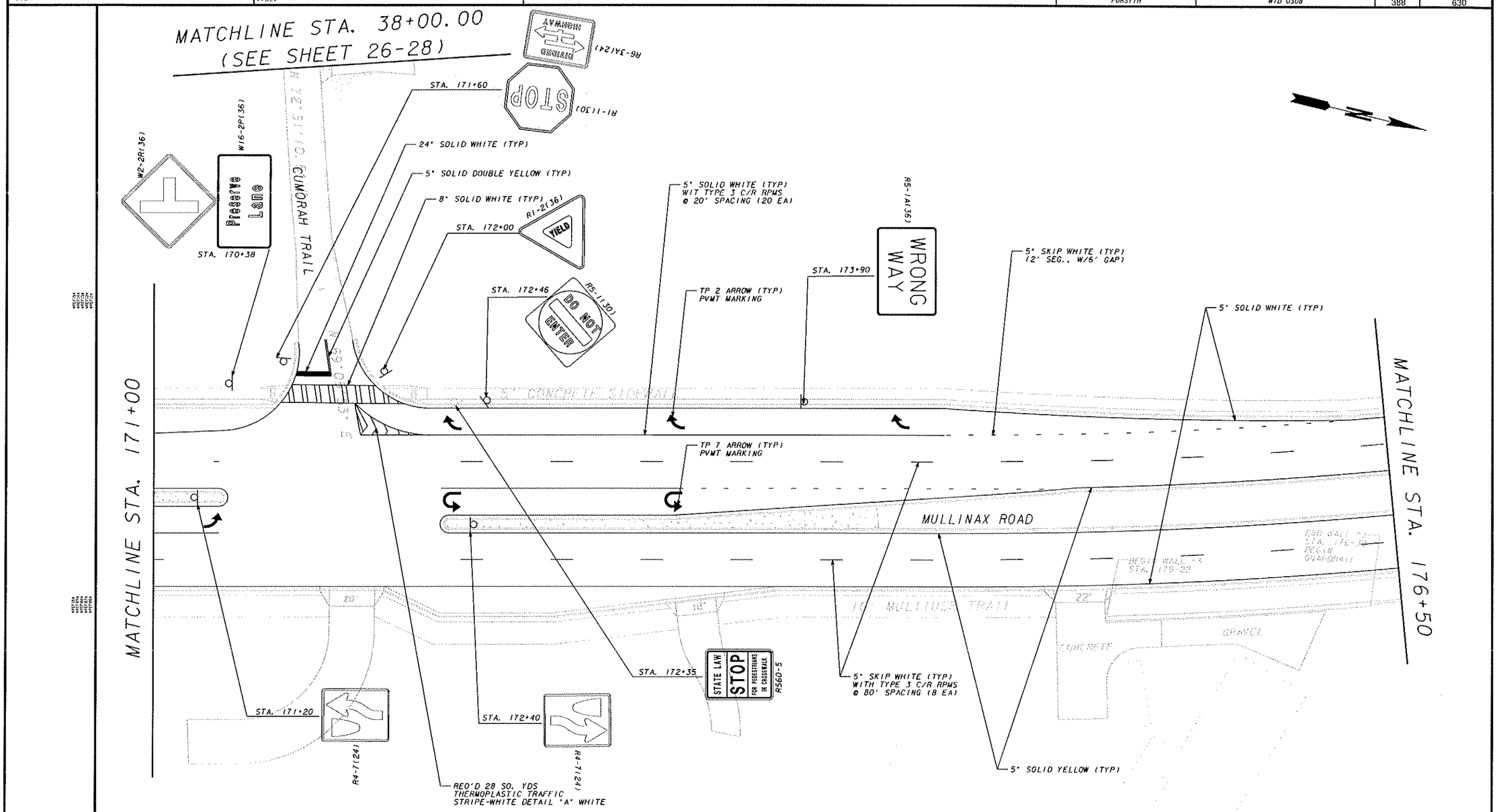

EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
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LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No. 26-09

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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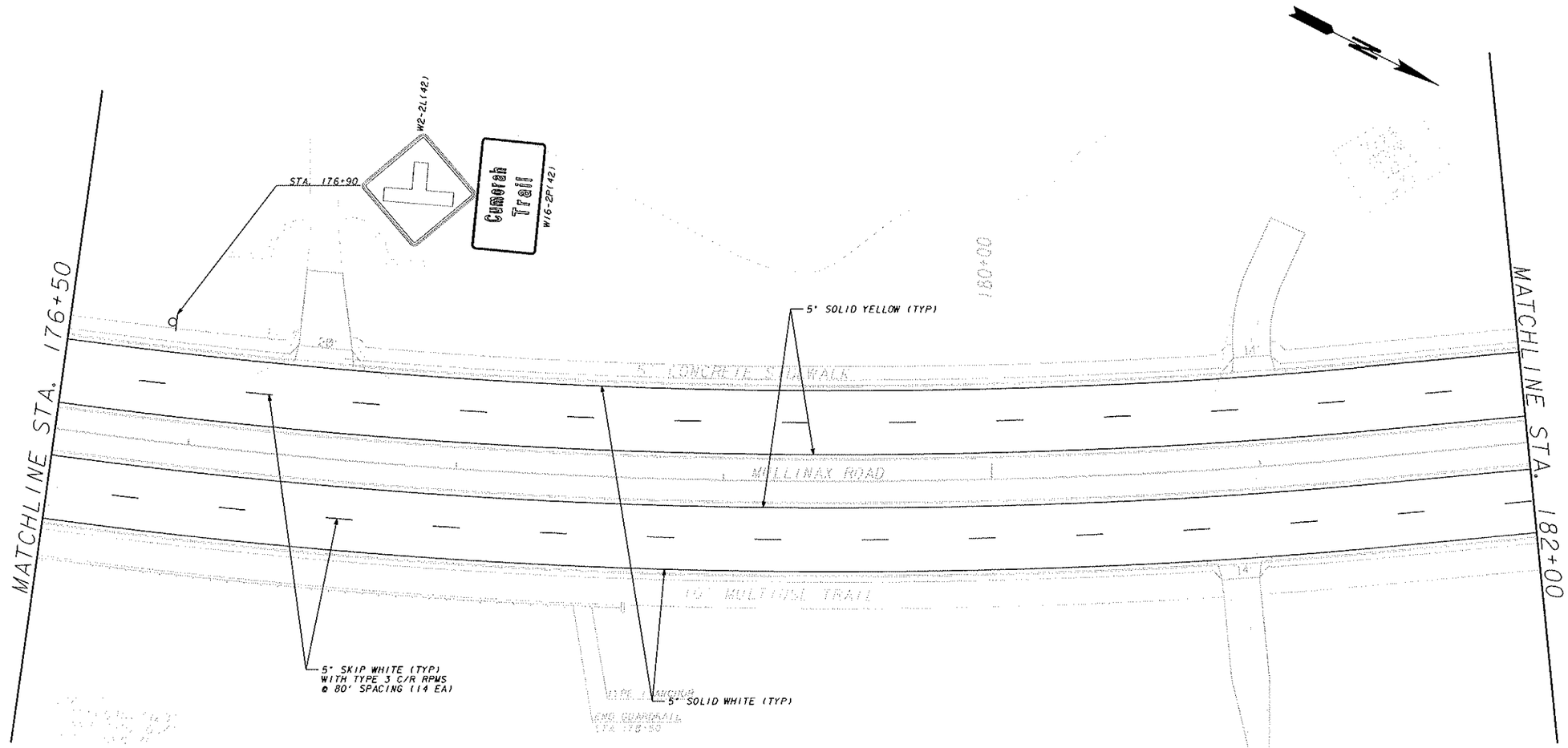


EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

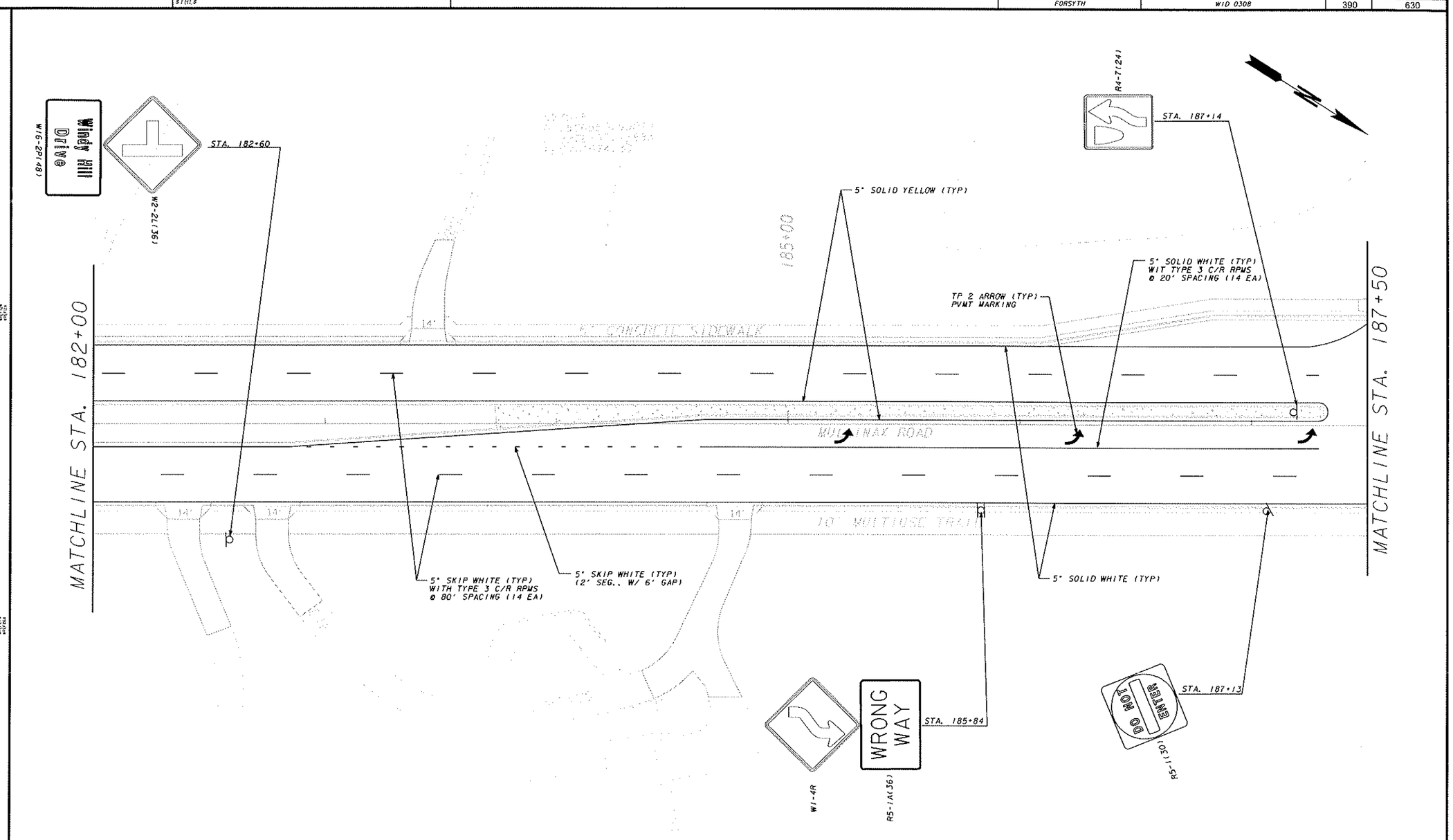
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING NO.
26-10

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	390	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

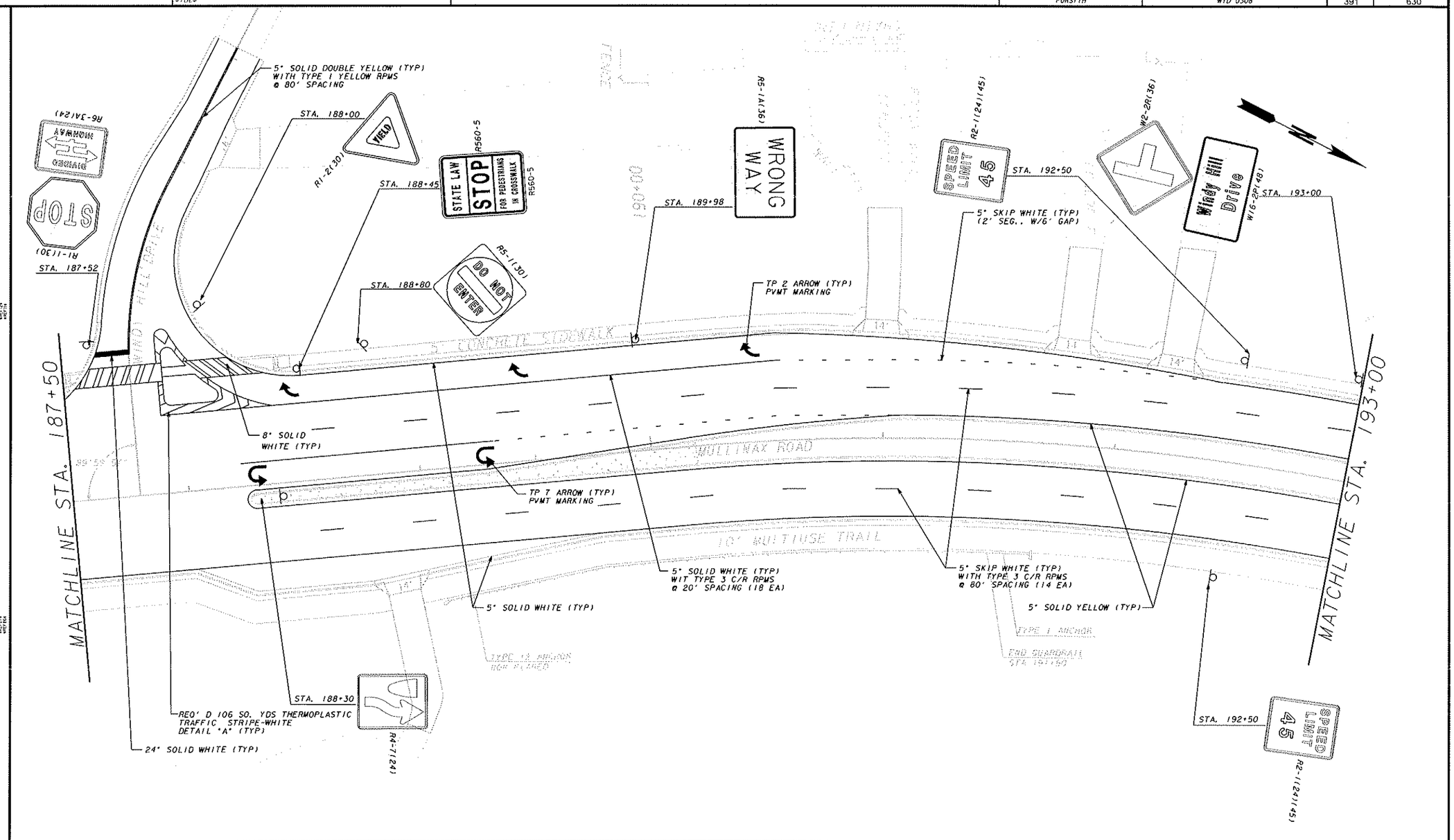
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No. 26-11

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	391	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS ..... BLA
END LIMIT OF ACCESS ..... ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

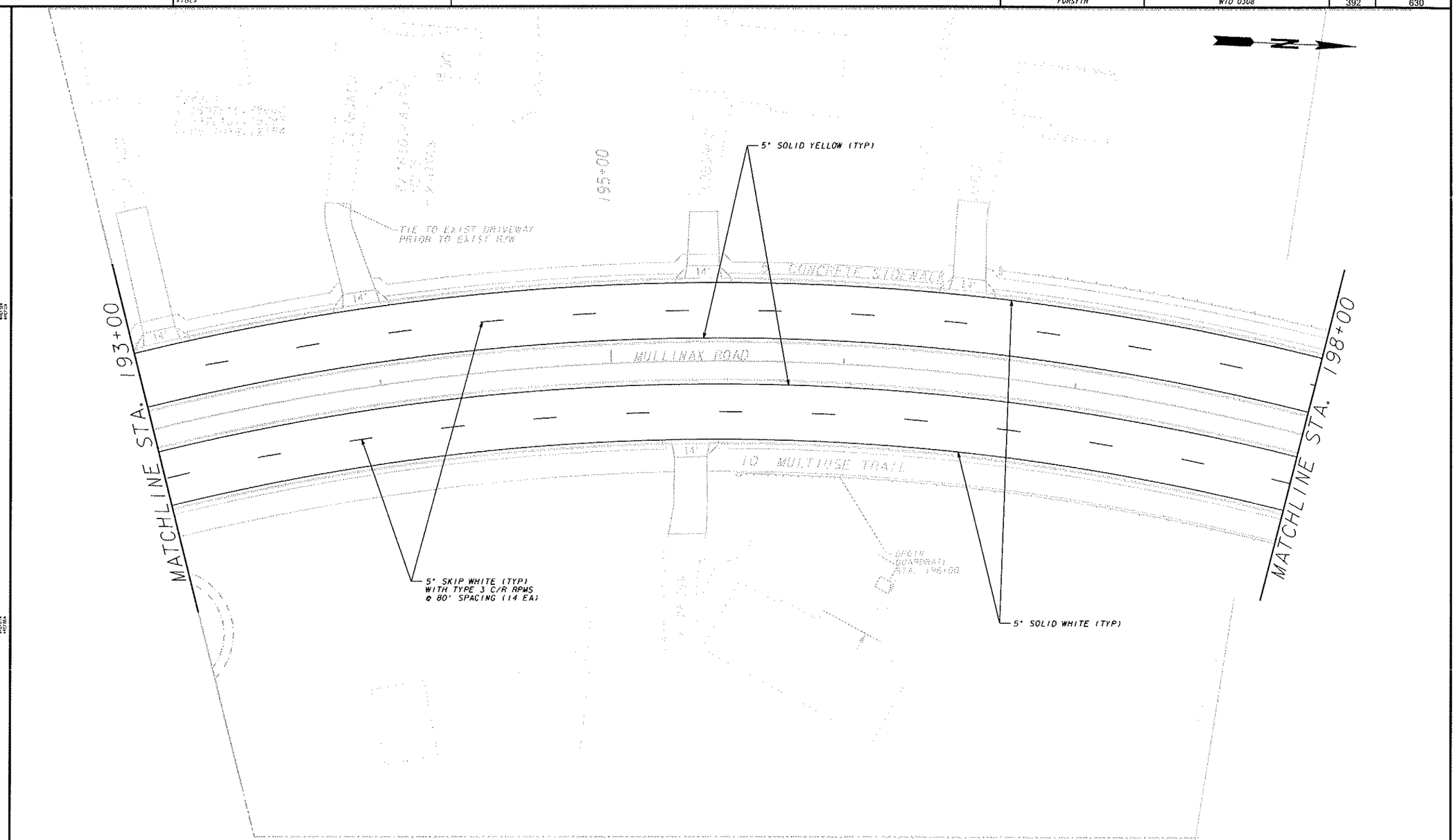
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-12

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	392	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS — C — F —
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

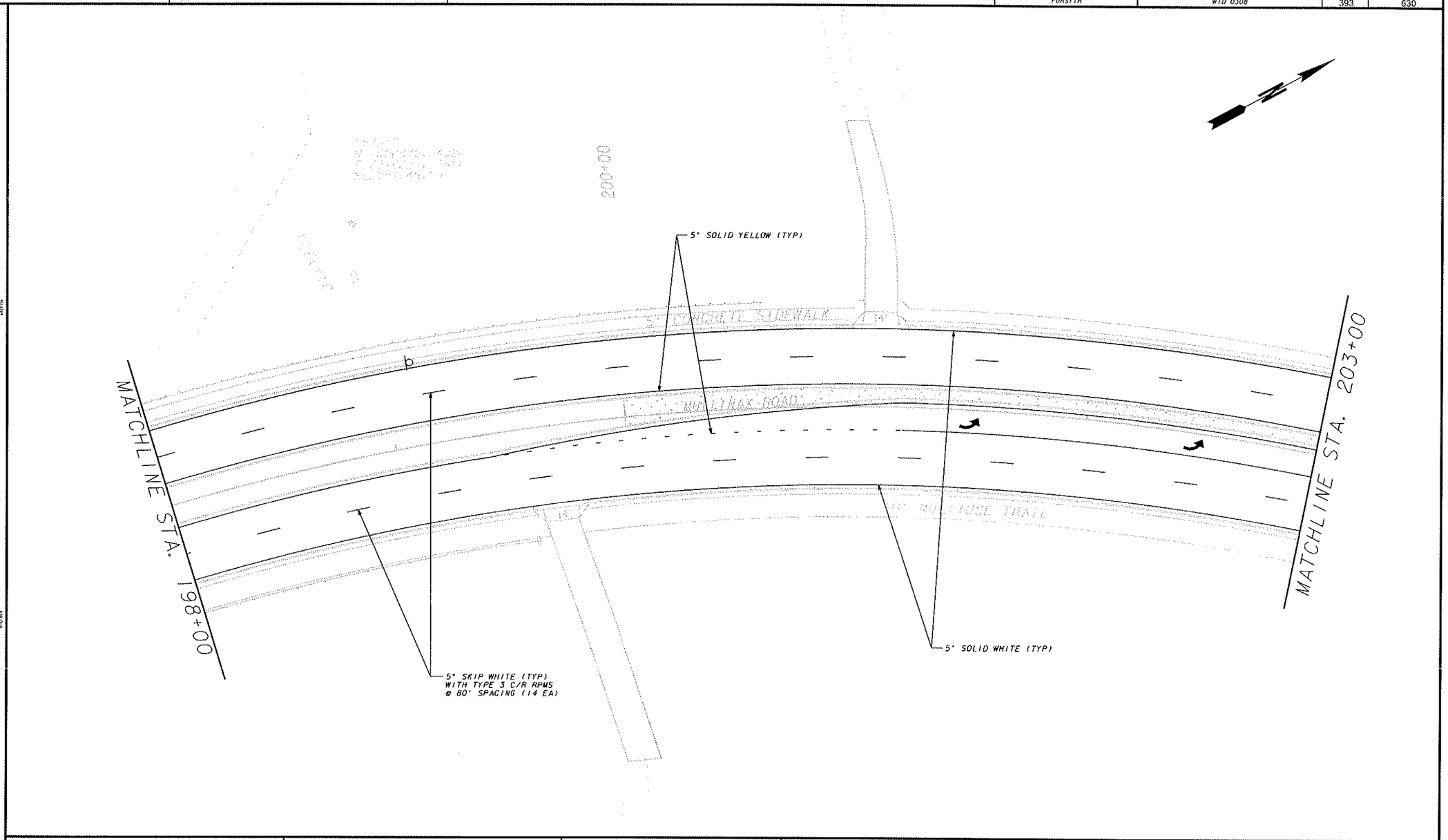
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-13

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	393	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

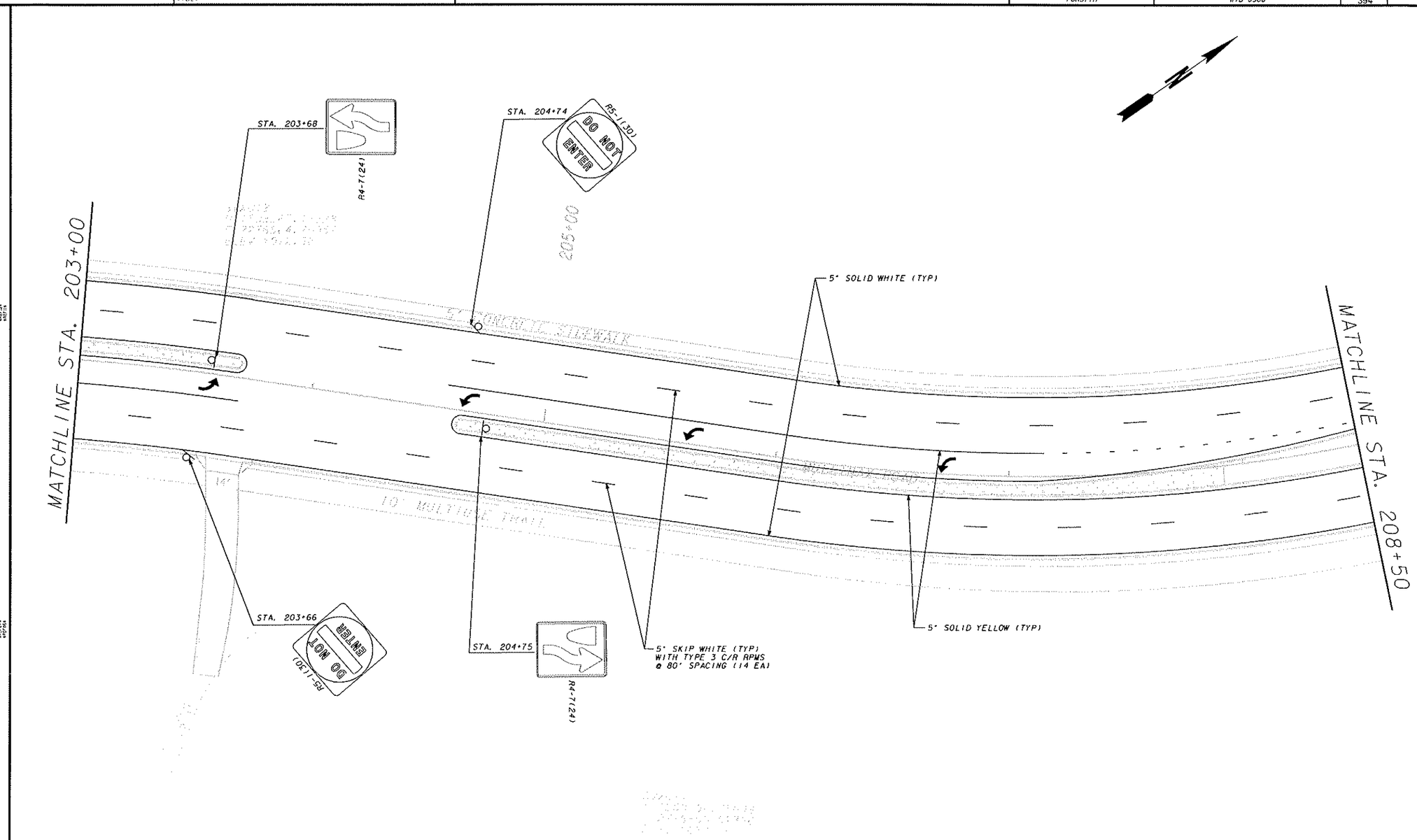
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-14

$DATE$	$TIME$	$PRF's	$DGN's	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	394	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

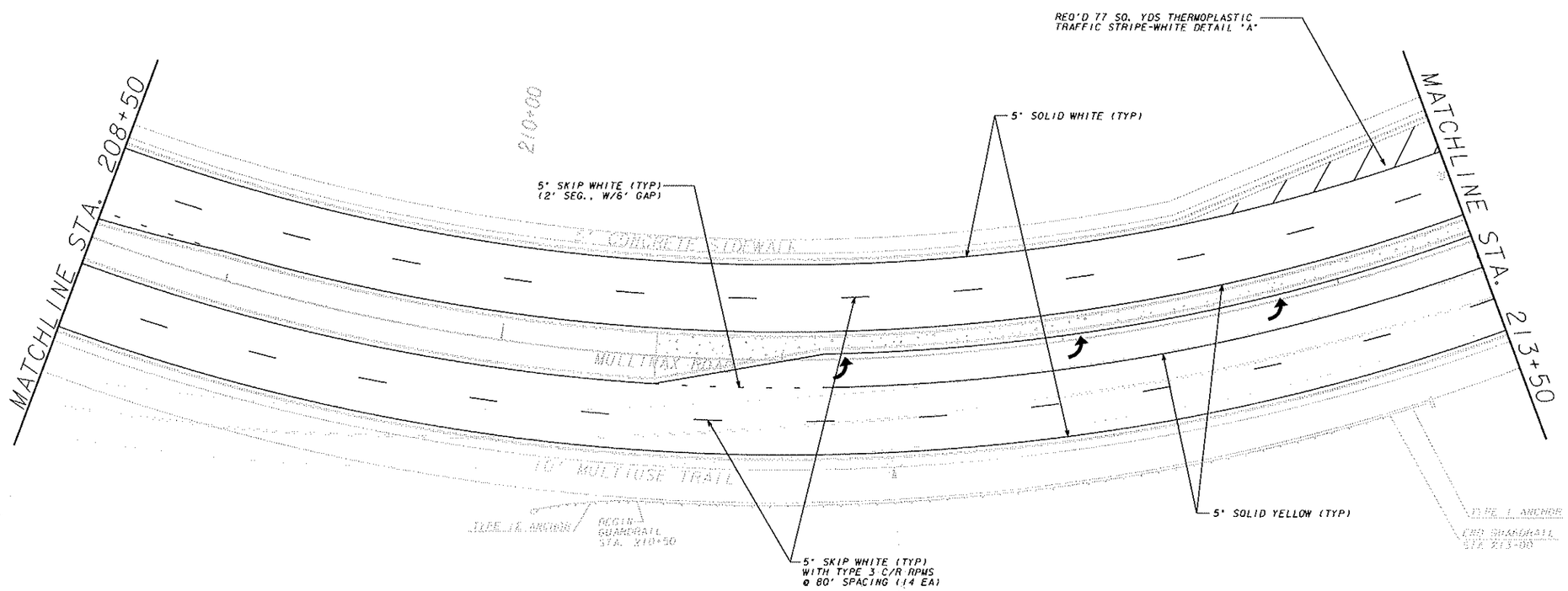
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-15

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	395	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

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GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

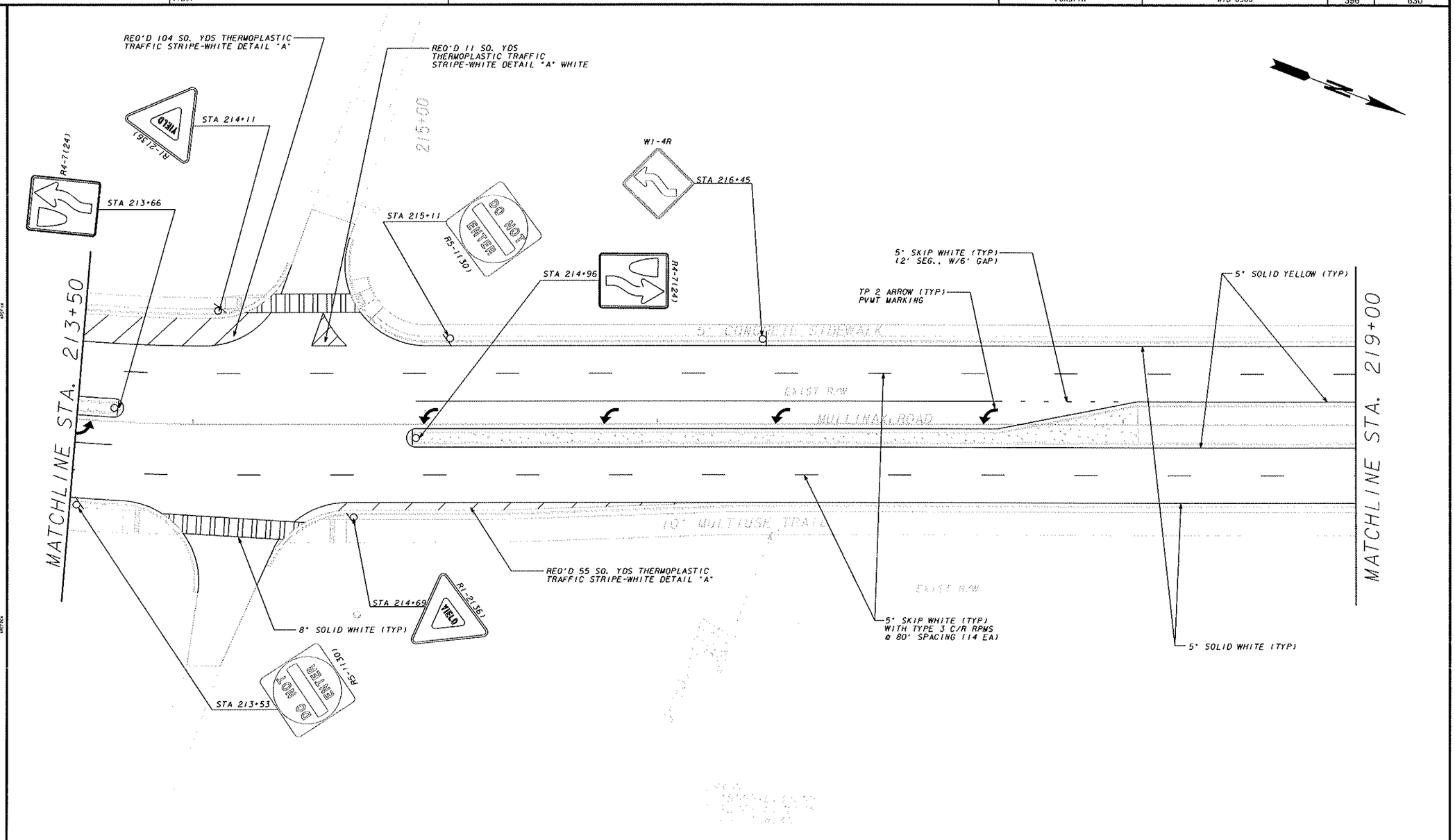
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-16

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TDL		FORSYTH	WID 0308	396	630



GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

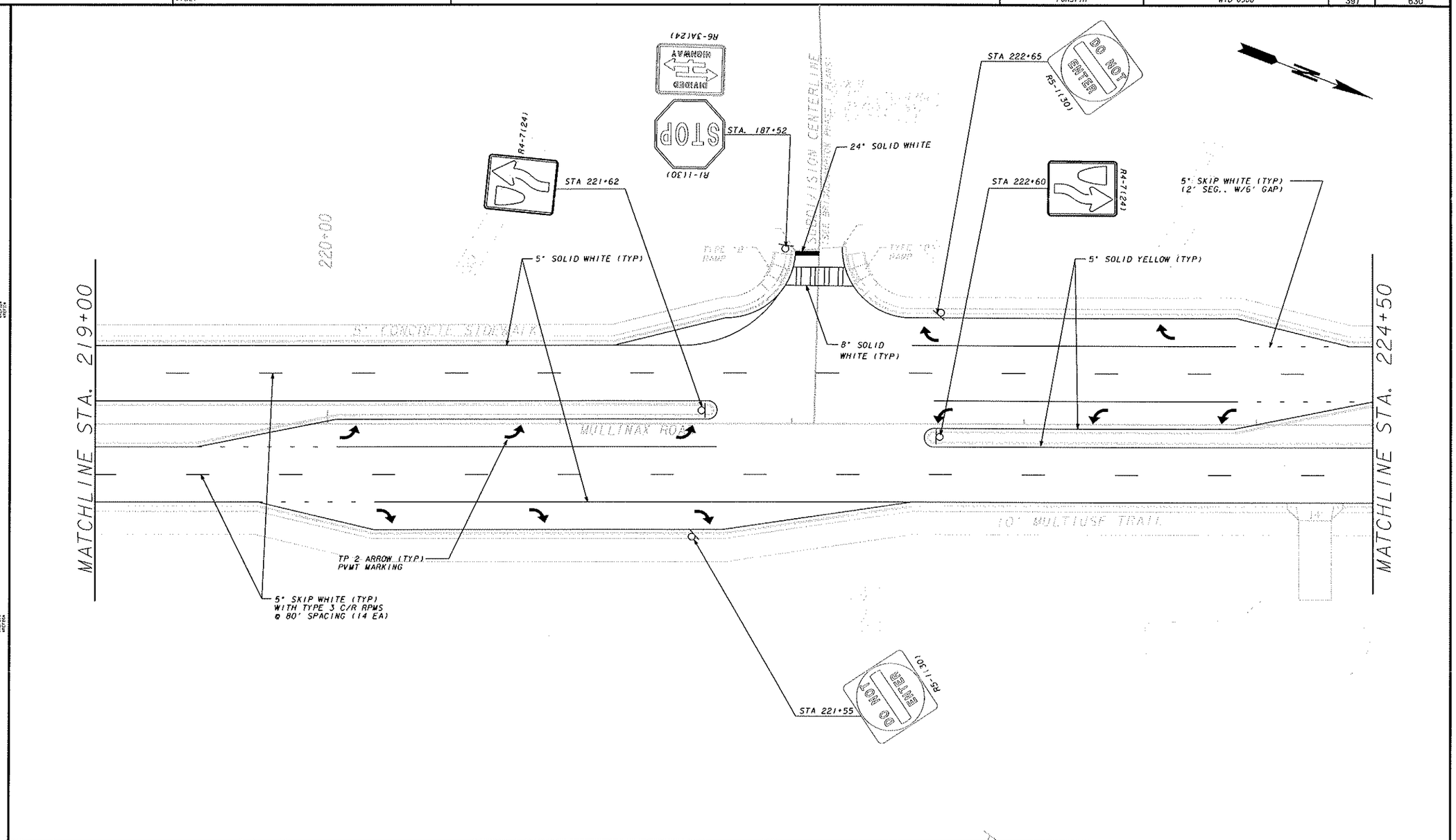
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No. 26-17

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	397	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS — C — F —
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

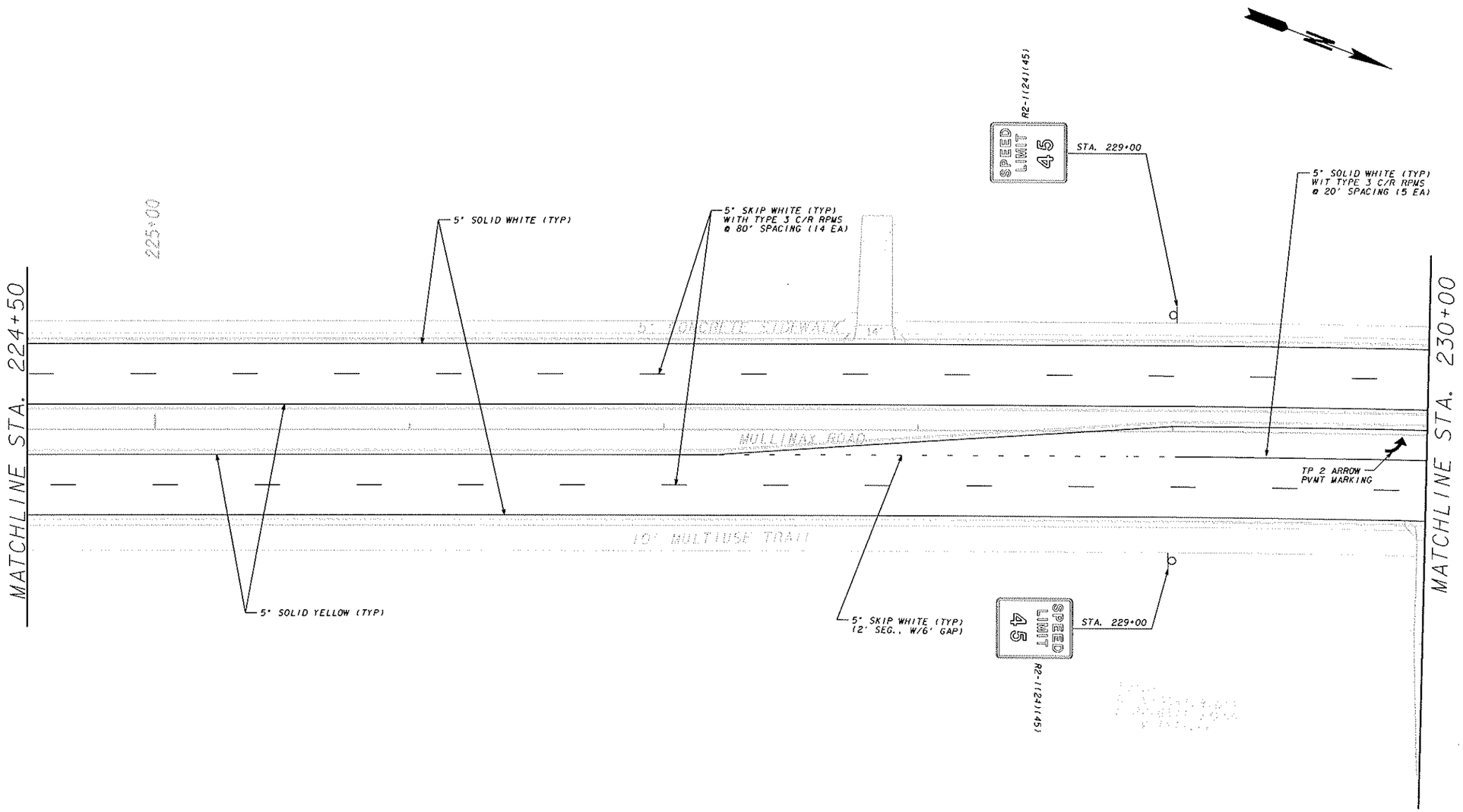
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING NO.
26-18

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	398	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

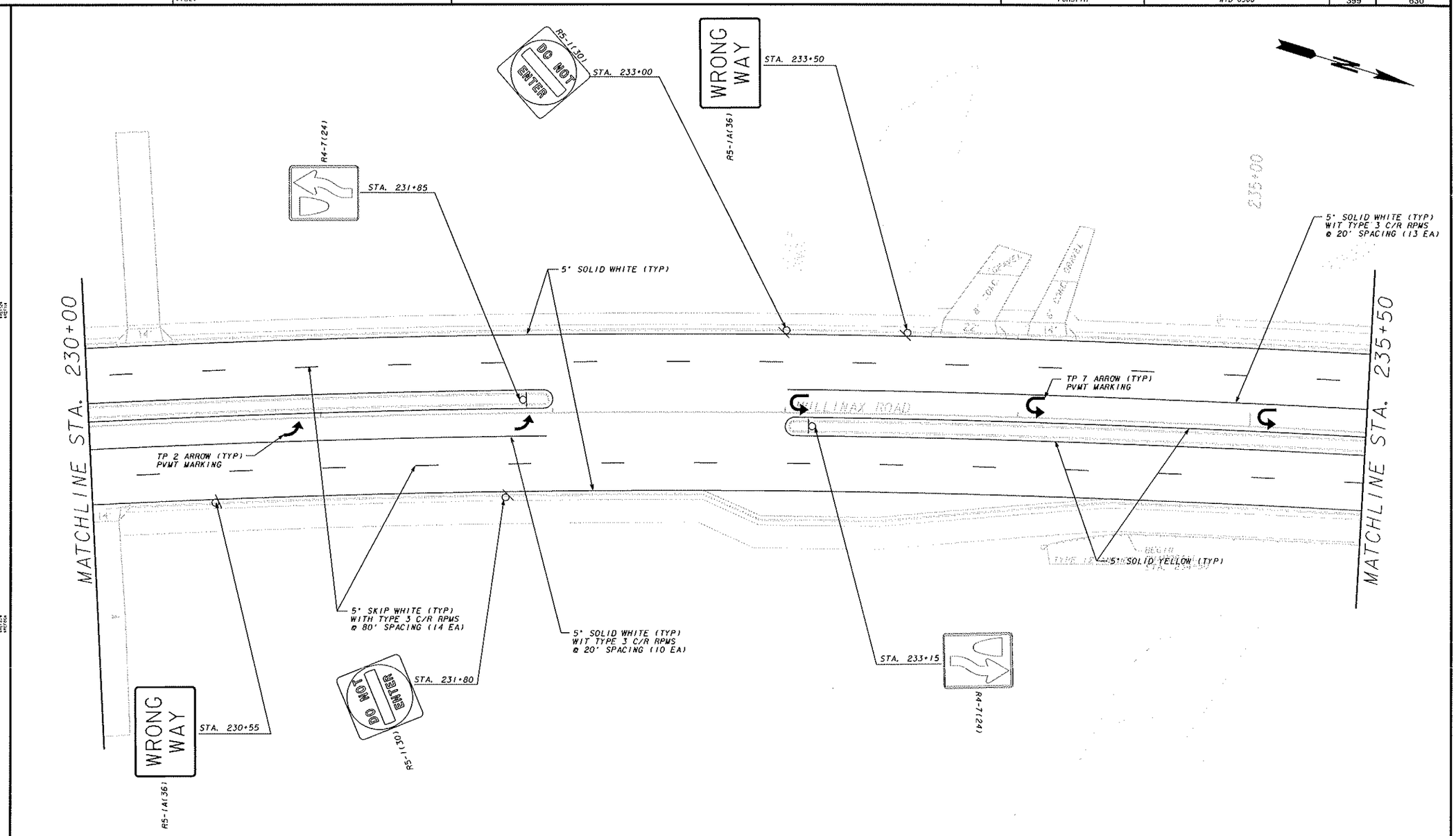
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No. 26-19

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TOL		FORSYTH	WID 0308	399	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

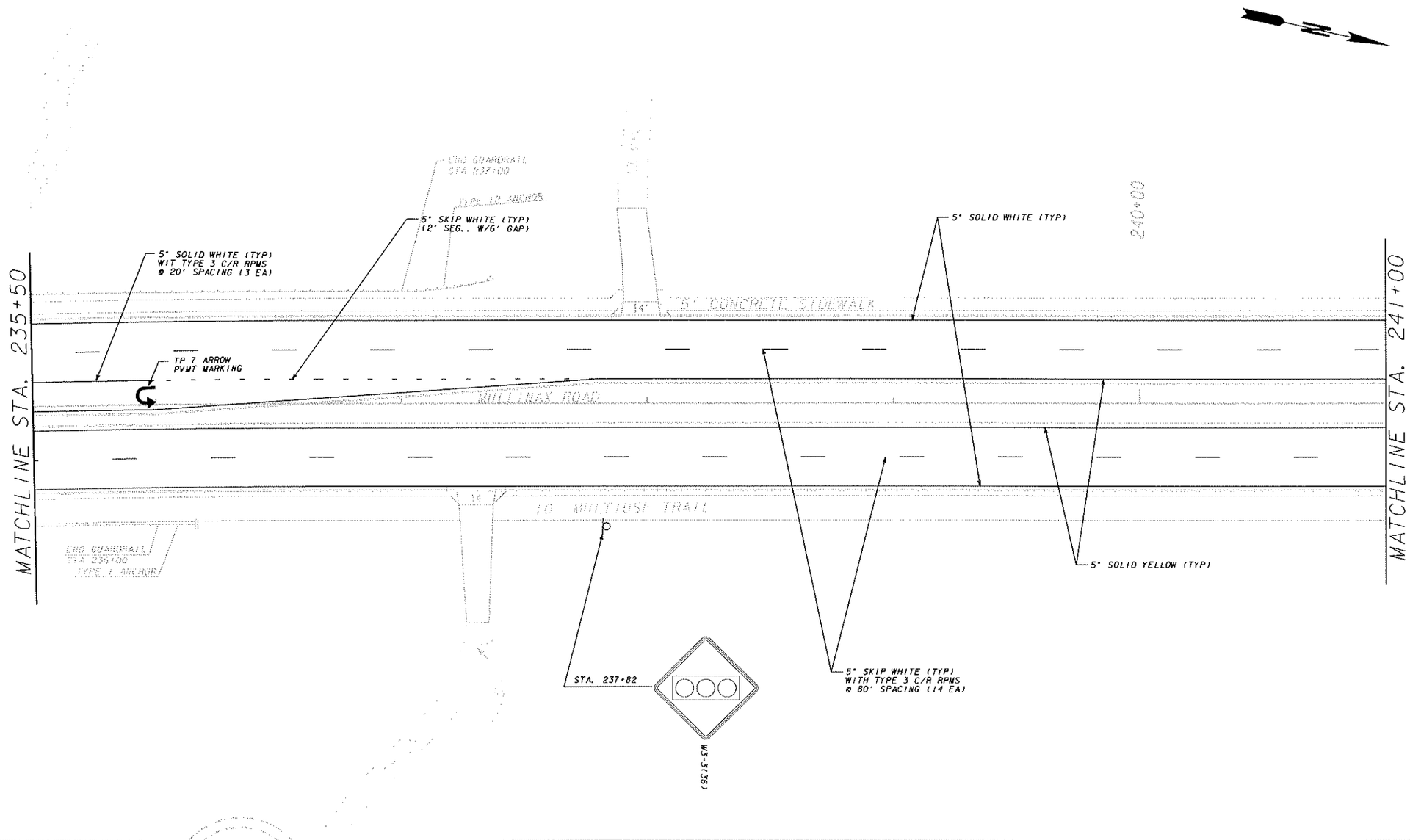
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-20

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	400	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P
GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

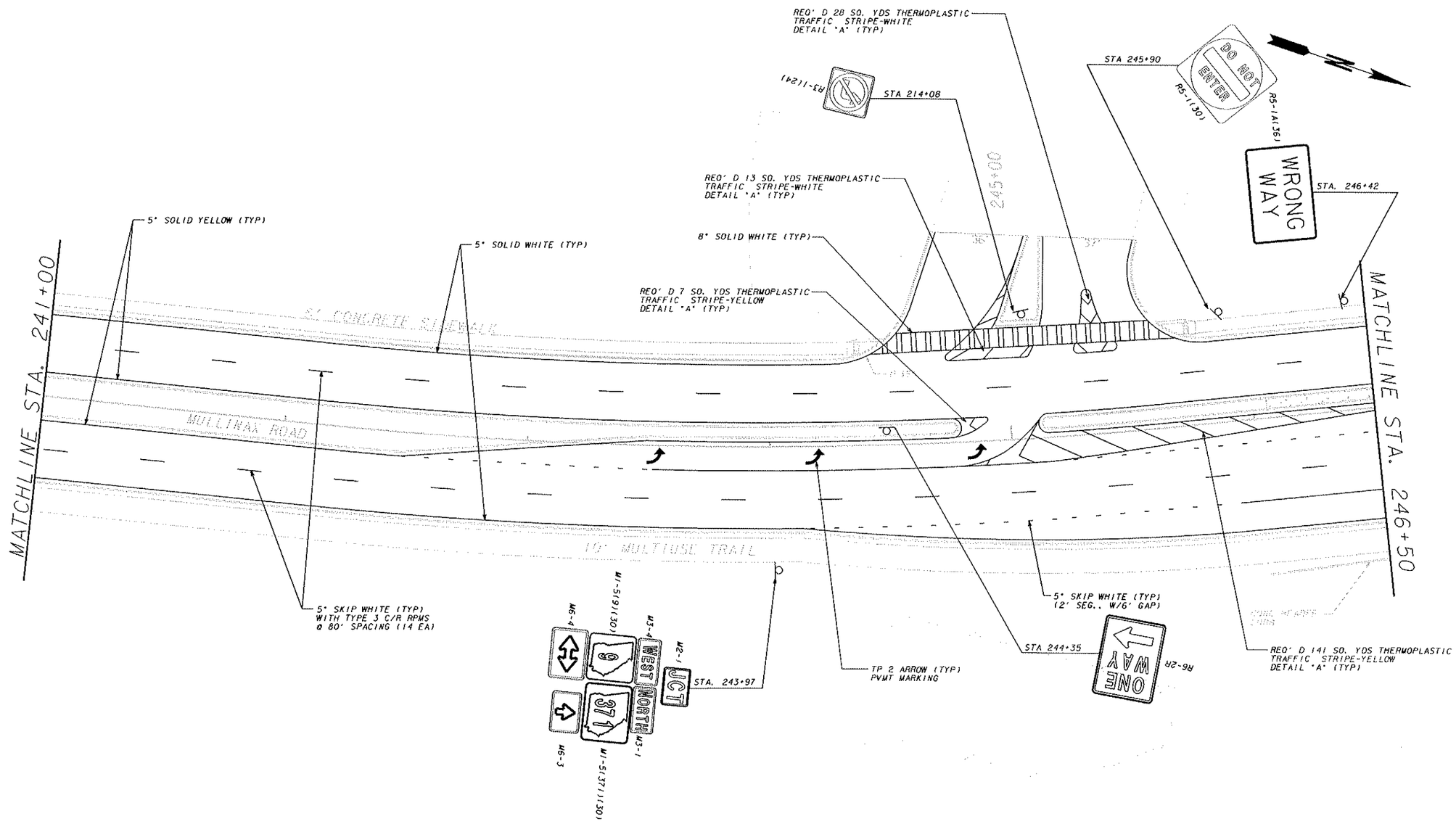
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-21

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	401	630



EXISTING R/W & PROPERTY LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	— ℄ — F —
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
R/W AND LIMIT OF ACCESS	

GS&P

GRESHAM SMITH AND PARTNERS

SCALE IN FEET

0 20 40 80

REVISION DATES

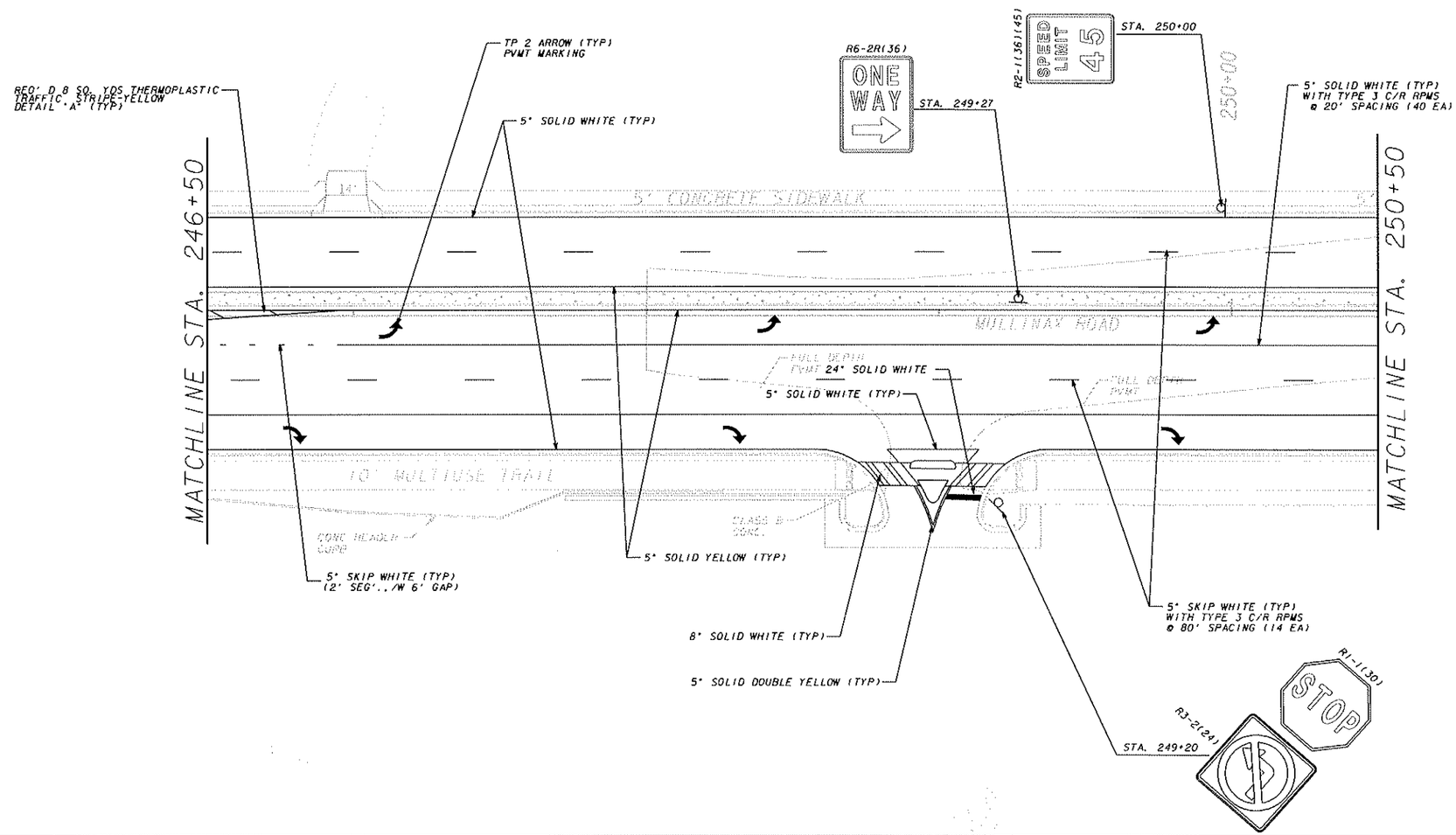
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-22

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	402	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

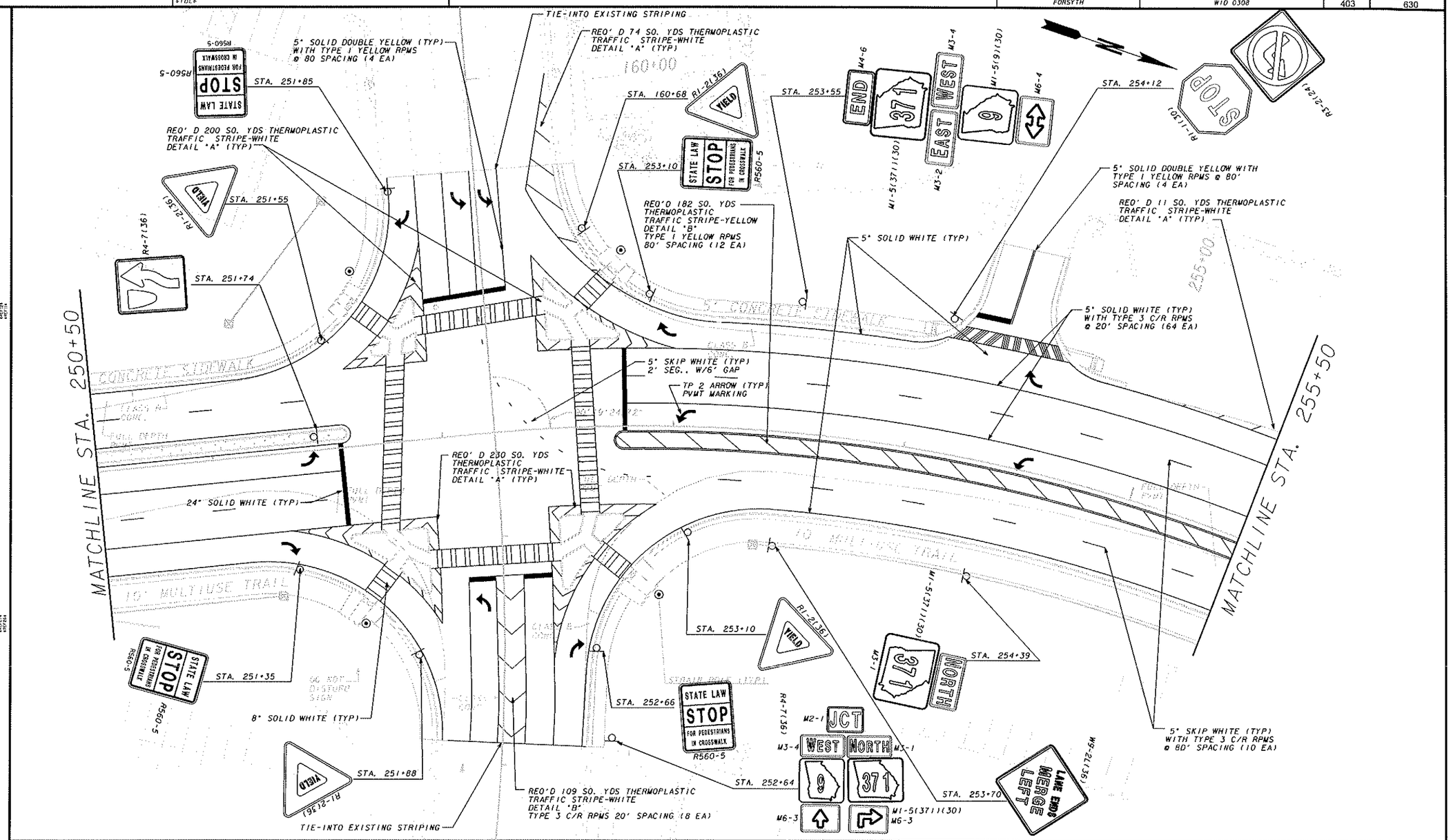
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-23

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		$TDLK		FORSYTH	WID 0308	403	630



EXISTING R/W & PROPERTY LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	— G — F —
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

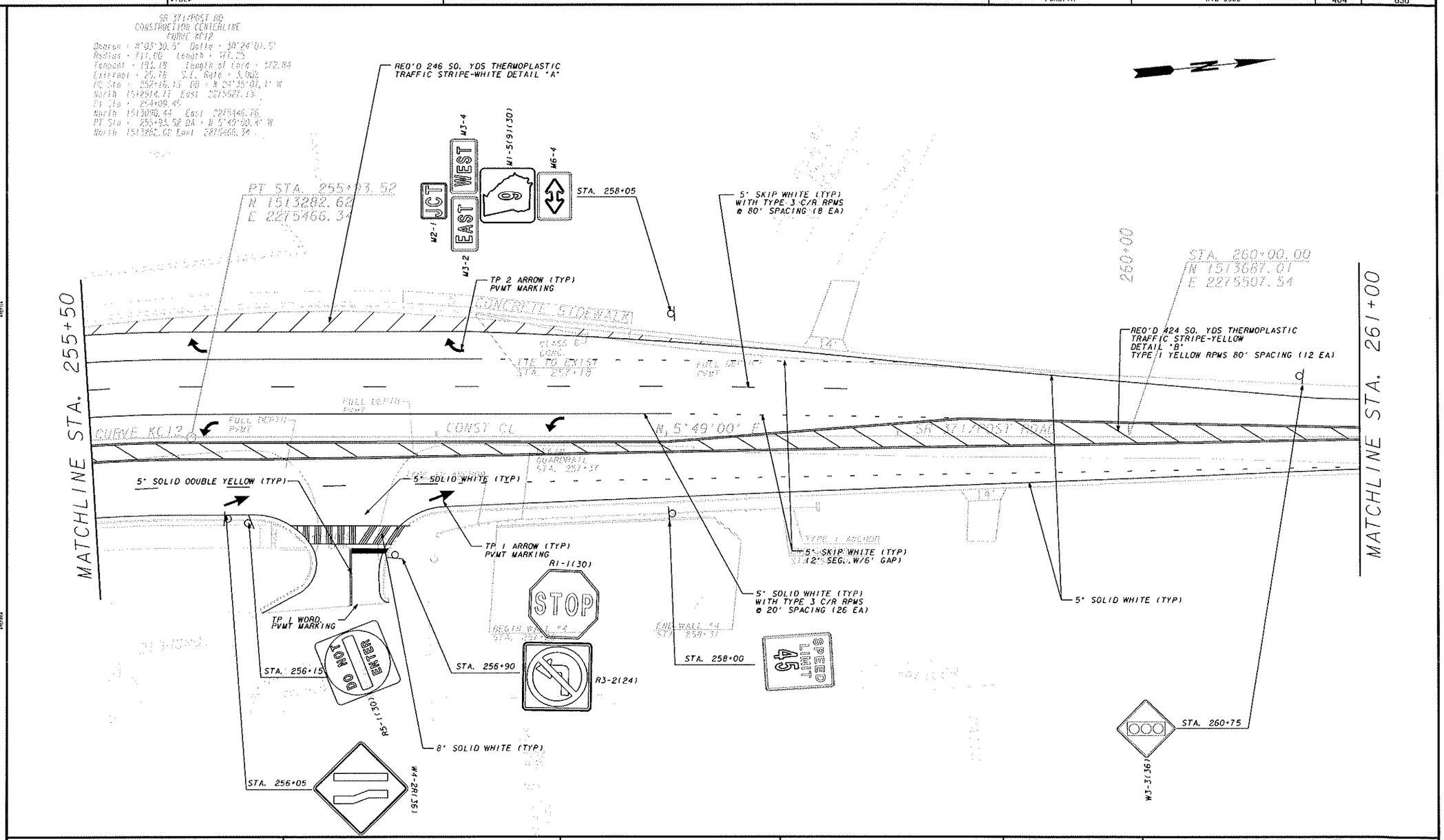
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-24

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	404	630



EXISTING R/W & PROPERTY LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINT. OF SLOPES & UTILITIES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS .....BLA
END LIMIT OF ACCESS .....ELA
LIMIT OF ACCESS
R/W AND LIMIT OF ACCESS

GS&P

GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

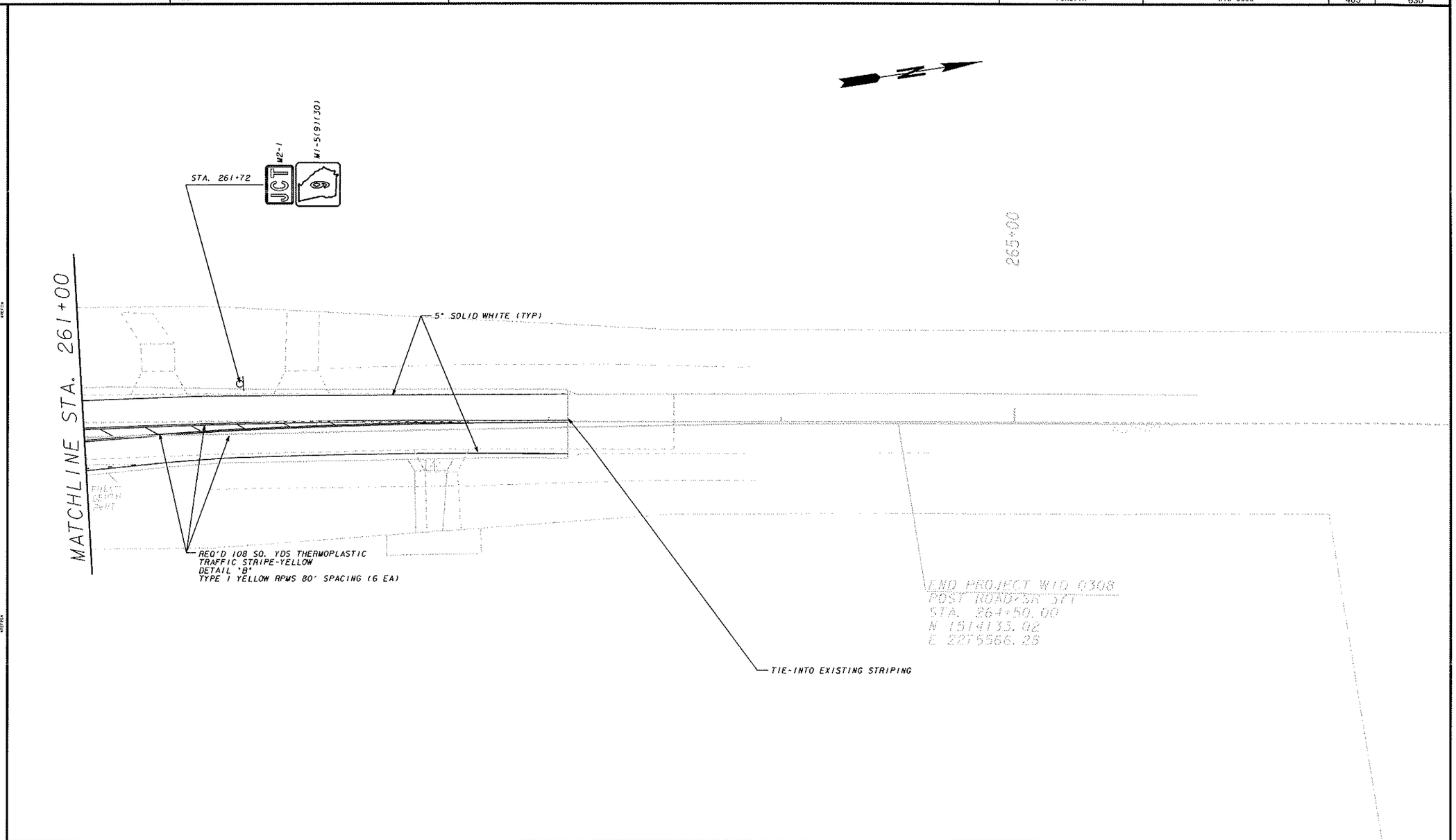
FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING No.
26-25

$DATE$	$TIME$	PRF	DGN	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER		TBL		FORSYTH	WID 0308	405	630



GRESHAM SMITH AND PARTNERS

SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
ENGINEERING DEPARTMENT

SIGNING AND MARKING PLANS

WID 0308
FORSYTH COUNTY

DRAWING NO. 26-26