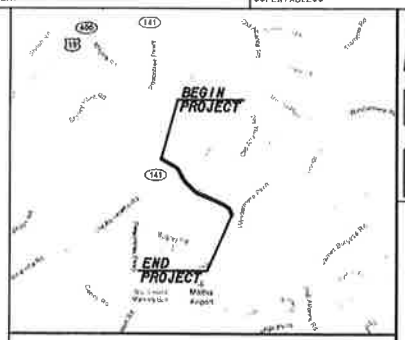
DATE$$$ $USER$ | PRF $$PENTABLE$$ | DGN GRNCOV

STATE	PROJECT NUMBER
GA	PEM 15

FORSYTH COUNTY DEPARTMENT OF ENGINEERING

PLAN AND PROFILE OF PROPOSED

SHARON ROAD WIDENING



LOCATION SKETCH

DESIGN DATA:
TRAFFIC A.D.T.: 17,975 (2011)
TRAFFIC A.D.T.: 25,200 (2031)
TRAFFIC D.H.V.: 2,350 (2031)
DIRECTIONAL DIST: 55/45
% TRUCKS: 9.3%
24 HR. TRUCKS %: 9.9%
SPEED DESIGN: 40 MPH

FUNCTIONAL CLASS:
URBAN COLLECTOR

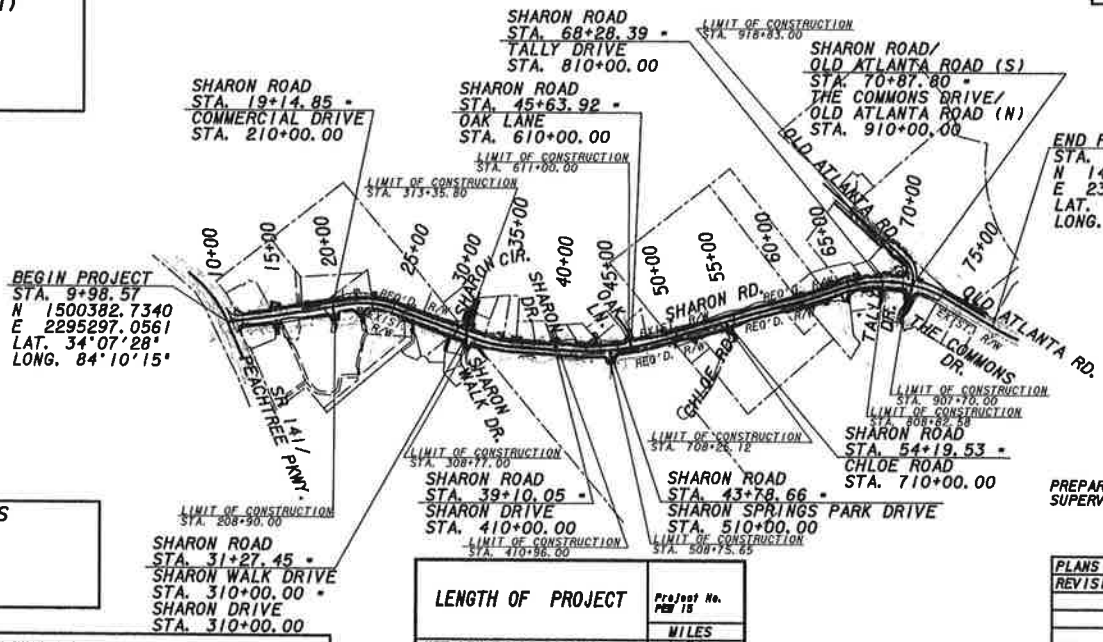
THIS PROJECT IS 100% IN FORSYTH COUNTY AND IS 100% IN CONG. DIST. NO. 9.

DESIGNED IN ENGLISH UNITS.

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

MID-POINT COORDINATES
STA. 44+34.29
N 1498072.2508
E 2297752.0776

NOTE:
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO " STATE HIGHWAY DEPARTMENT OF GEORGIA ", "STATE HIGHWAY DEPARTMENT ", GEORGIA STATE HIGHWAY DEPARTMENT ", " HIGHWAY DEPARTMENT ", OR " DEPARTMENT " WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.



LENGTH OF PROJECT	Project No. PEM 15
	MILES
NET LENGTH OF ROADWAY	1.30
NET LENGTH OF BRIDGES	0.00
NET LENGTH OF PROJECT	1.30
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	1.30

500 0 500 1000 1500 FT.
SCALE: 1" = 500'

OWNER/DEVELOPER:
FORSYTH COUNTY DEPARTMENT OF ENGINEERING
110 EAST MAIN ST. SUITE 120
CUMMING, GEORGIA 30040
(770) 781-2165
TLALLEN@FORSYTHCO.COM

24-HOUR CONTACT INFORMATION
(TO BE FILLED IN BY THE CONTRACTOR)
NAME _____
TELEPHONE _____

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER B. ROBINSON

Wolverton & Associates

PREPARED UNDER THE SUPERVISION OF: CHRISTOPHER B. ROBINSON, P.E

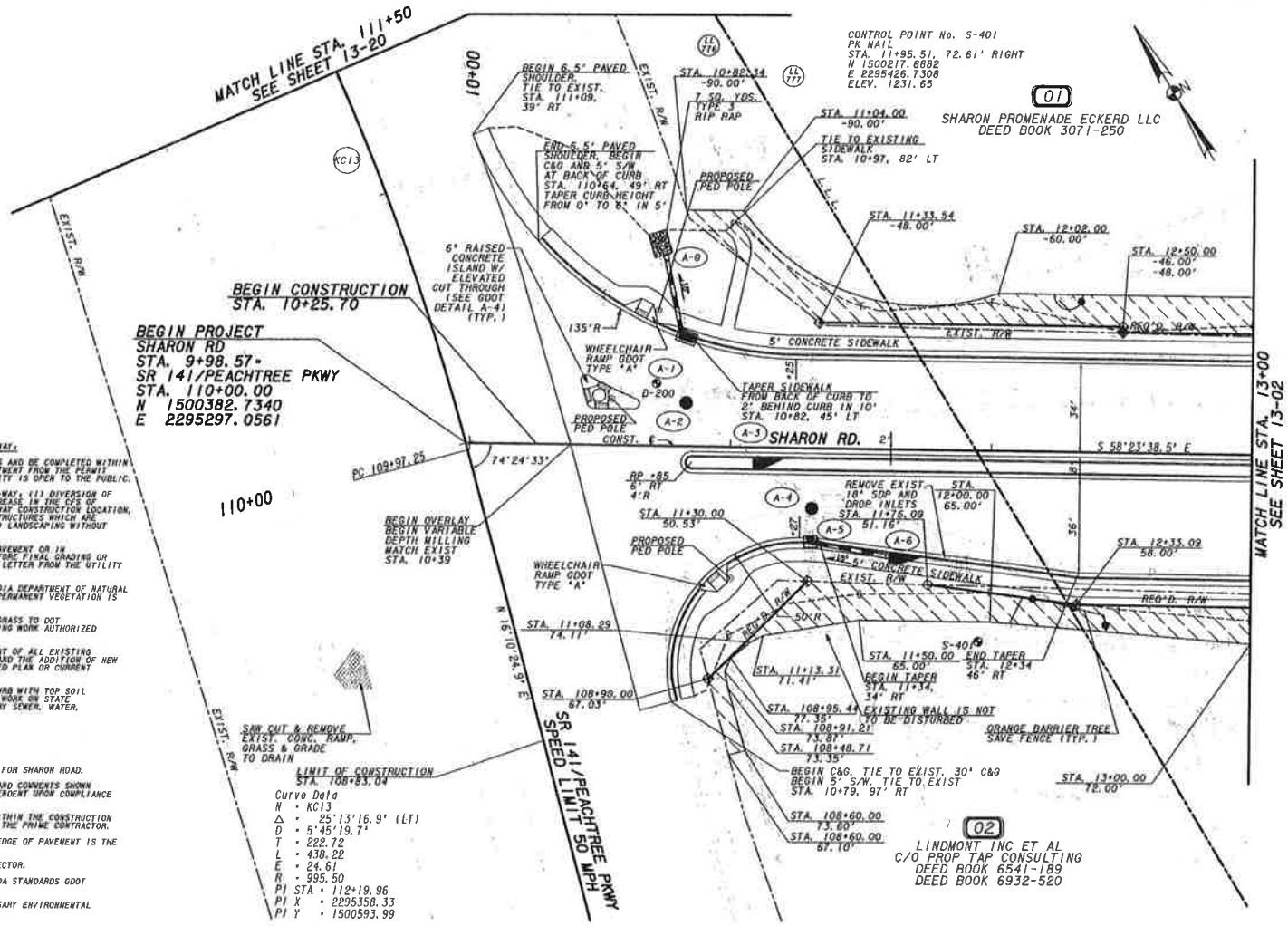
PLANS COMPLETED 06-15-2015	
REVISIONS	

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY 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 GUARANTEED, AND DO NOT BIND THE FORSYTH COUNTY DEPARTMENT OF ENGINEERING IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE GDOT SPECIFICATIONS.

17/7/2009

DATE/TIME	TIME	SPRF#	COUN#	COUNTY	PROJECT NUMBER
$USER$		$$PENTABLE$$		FORSYTH	PEM 15

NOTE:
EXISTING TOPOGRAPHY OF SR 141 AND SHARON RD FROM STA. 10+00 TO STA. 13+69 AND EXIST. R/W WEST OF SR 141 HAVE BEEN DIGITIZED FROM PLANS OF THE SR 141 WIDENING. FIELD VERIFICATION OF THE EXISTING CONDITIONS IS REQUIRED.



Curve Data
N = KC13
Δ = 25°13'16.9" (LT)
D = 5°45'19.7"
T = 222.72
L = 438.22
E = 24.61
R = 995.50
PI STA = 112+19.96
PI X = 2295358.33
PI Y = 1500593.99

SHARON ROAD - TOTAL FRONTAGE ALONG SR 141 = 198 LF

GEORGIA D.O.T. NOTES FOR WORK WITHIN SR 141 RIGHT-OF-WAY:

1. THE WORK AUTHORIZED MUST BEGIN WITHIN THREE MONTHS AND BE COMPLETED WITHIN TWELVE MONTHS ON A SCHEDULE SATISFACTORY TO THE DEPARTMENT FROM THE PERMIT APPROVAL DATE AND ALSO BE COMPLETED BEFORE THIS FACILITY IS OPEN TO THE PUBLIC.

2. THE FOLLOWING WILL NOT BE ALLOWED ON DOT RIGHT-OF-WAY: (1) DIVERSION OF ADDITIONAL DRAINAGE AREA ONTO THE RIGHT-OF-WAY OR INCREASE IN THE CFS OF CURRENT VOLUMES OF WATER, (2) GRADING EXCEPT AT DRIVEWAY CONSTRUCTION LOCATION, (3) HEADWALLS, (4) SIGNS, DISPLAY DEVICES AND OTHER STRUCTURES WHICH ARE DESIGNED, INTENDED OR USED TO ADVERTISE OR INFORM, (5) LANDSCAPING WITHOUT PRIOR APPROVAL OF THE LANDSCAPE PLAN.

3. ALL EXISTING UTILITIES WHICH WOULD BE UNDER NEW PAVEMENT OR IN ACCELERATION/DECELERATION LANES SHALL BE RELOCATED BEFORE FINAL GRADING OR PAVING AT NO COST TO THE DOT OR AN APPROVED RETENTION LETTER FROM THE UTILITY OWNER.

4. CONSTRUCTION OF EROSION CONTROL BARRIERS PER GEORGIA DEPARTMENT OF NATURAL RESOURCES CODE 391-3-7 AND SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED.

5. APPLICANT SHALL RESTORE ALL EXISTING SIGNS AND REGRASS TO DOT SPECIFICATIONS ALL RIGHT-OF-WAY THAT IS DISTURBED DURING WORK AUTHORIZED HEREIN.

6. THE PERMIT APPLICANT IS RESPONSIBLE FOR REPLACEMENT OF ALL EXISTING PAVEMENT MARKINGS DAMAGED BY THE PERMIT CONSTRUCTION AND THE ADDITION OF NEW PAVEMENT MARKINGS AND OR SIGNS AS SHOWN ON THE APPROVED PLAN OR CURRENT M.U.T.C.D. GUIDELINES.

7. ALL CURBED ISLANDS SHALL BE FILLED TO THE TOP OF CURB WITH TOP SOIL AND GRASSED. NOTE: THIS APPROVAL DOES NOT ALLOW ANY WORK ON STATE RIGHT-OF-WAY IN CONNECTION WITH UTILITY LINES (SANITARY SEWER, WATER, TELEPHONE, GAS, ETC.)

8. REQUIRED PAVEMENT SPECIFICATIONS FOR SR 141:
   1.25"..... 9.5 mm SUPERPAVE
   2"..... 19 mm SUPERPAVE
   8"..... 25 mm SUPERPAVE
   12"..... GRADED AGGREGATE BASE COURSE
REFER TO TYPICAL SECTIONS FOR PAVEMENT SPECIFICATIONS FOR SHARON ROAD.

9. THIS PERMIT IS APPROVED SUBJECT TO THE REVISIONS AND COMMENTS SHOWN IN RED ON THE ATTACHED PLAN COPY AND SHALL REMAIN DEPENDENT UPON COMPLIANCE WITH THESE.

10. NO WORK WILL BE ACCOMPLISHED UNDER THIS PERMIT WITHIN THE CONSTRUCTION LIMITS OF ANY DOT PROJECT WITHOUT WRITTEN APPROVAL OF THE PRIME CONTRACTOR.

11. THE MAINTENANCE OF THE DRIVEWAY FROM THE NORMAL EDGE OF PAVEMENT IS THE RESPONSIBILITY OF THE PERMITTEE.

12. OVERLAY SHALL BE AS DIRECTED BY GDOT PERMIT INSPECTOR.

13. ALL SIDEWALKS, CROSSWALKS AND RAMPS SHALL MEET ADA STANDARDS GDOT DETAILS.

14. THE APPLICANT IS RESPONSIBLE TO OBTAIN ALL NECESSARY ENVIRONMENTAL APPROVALS PRIOR TO ANY WORK ON STATE R/W.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

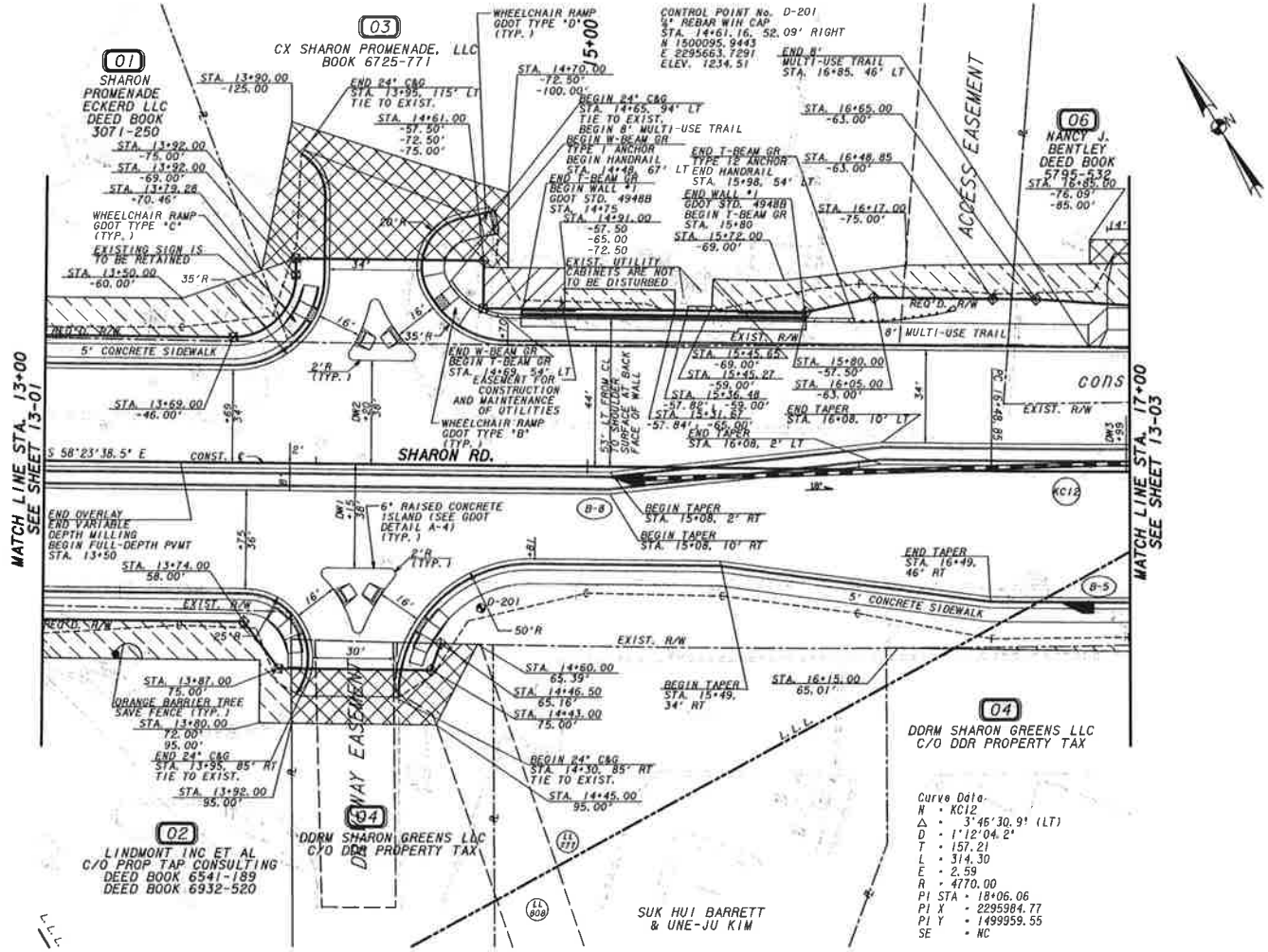
REVISION DATES		

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-01

COUNTY	PROJECT NUMBER
FORSYTH	PEM 15



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ESA FENCE
EASEMENT FOR CONSTR OF DRIVES	

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

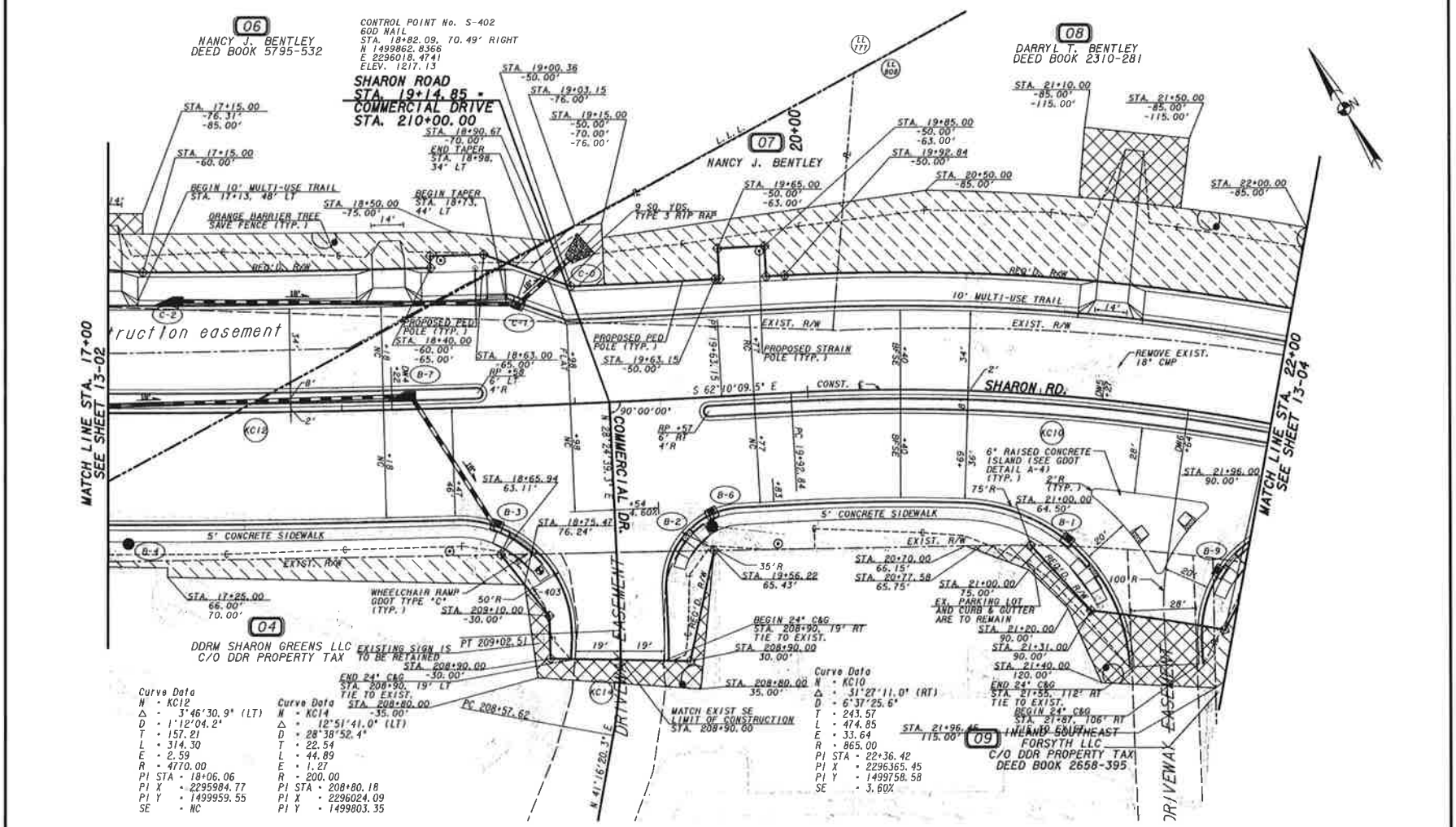
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING NO. 13-02

COUNTY	PROJECT NUMBER
FORSYTH	PEM 15



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ESA FENCE
EASEMENT FOR CONSTR OF DRIVES	

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

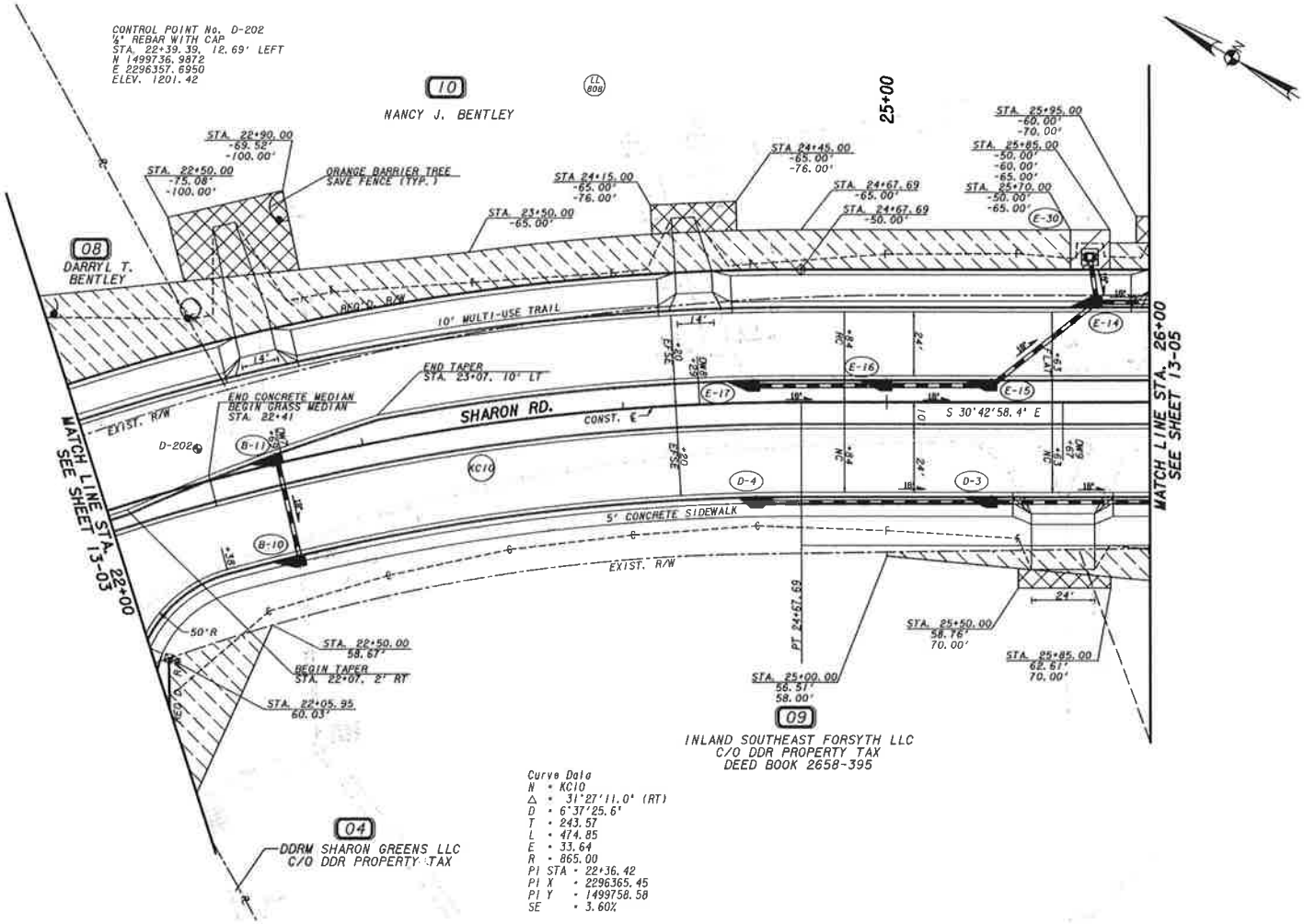
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING NO. 13-03

COUNTY	PROJECT NUMBER
FORSYTH	PEM 15



Curve Data
N = KC10
Δ = 31°27'11.0" (RT)
D = 6°37'25.6"
T = 243.57
L = 474.85
E = 33.64
R = 865.00
PI STA = 22+36.42
PI X = 2296365.45
PI Y = 1499758.58
SE = 3.60%

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

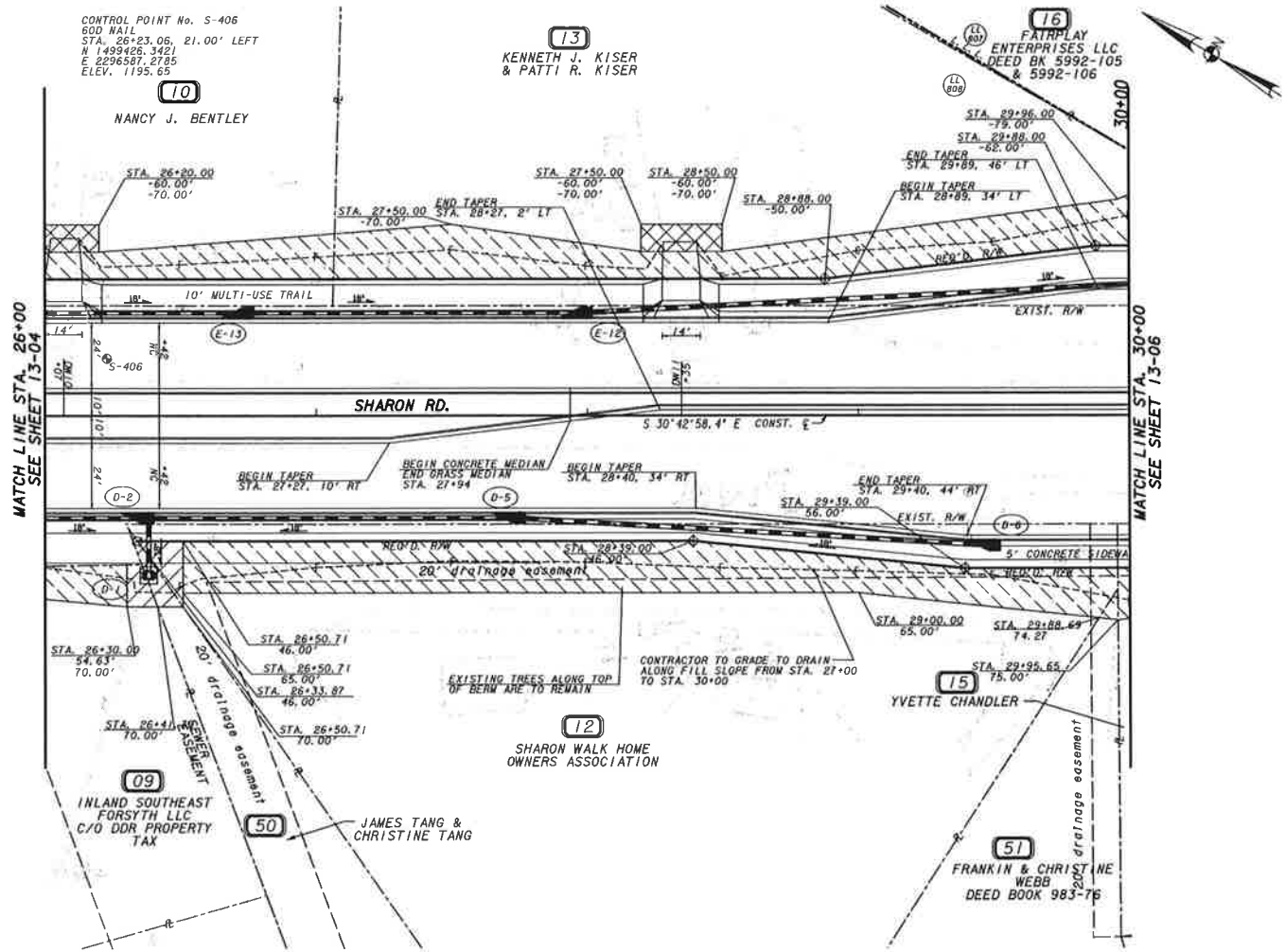
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING NO. 13-04

COUNTY	PROJECT NUMBER
FORSYTH	PEM 15



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS —G— —F—	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ESA FENCE
EASEMENT FOR CONSTR OF DRIVES	

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

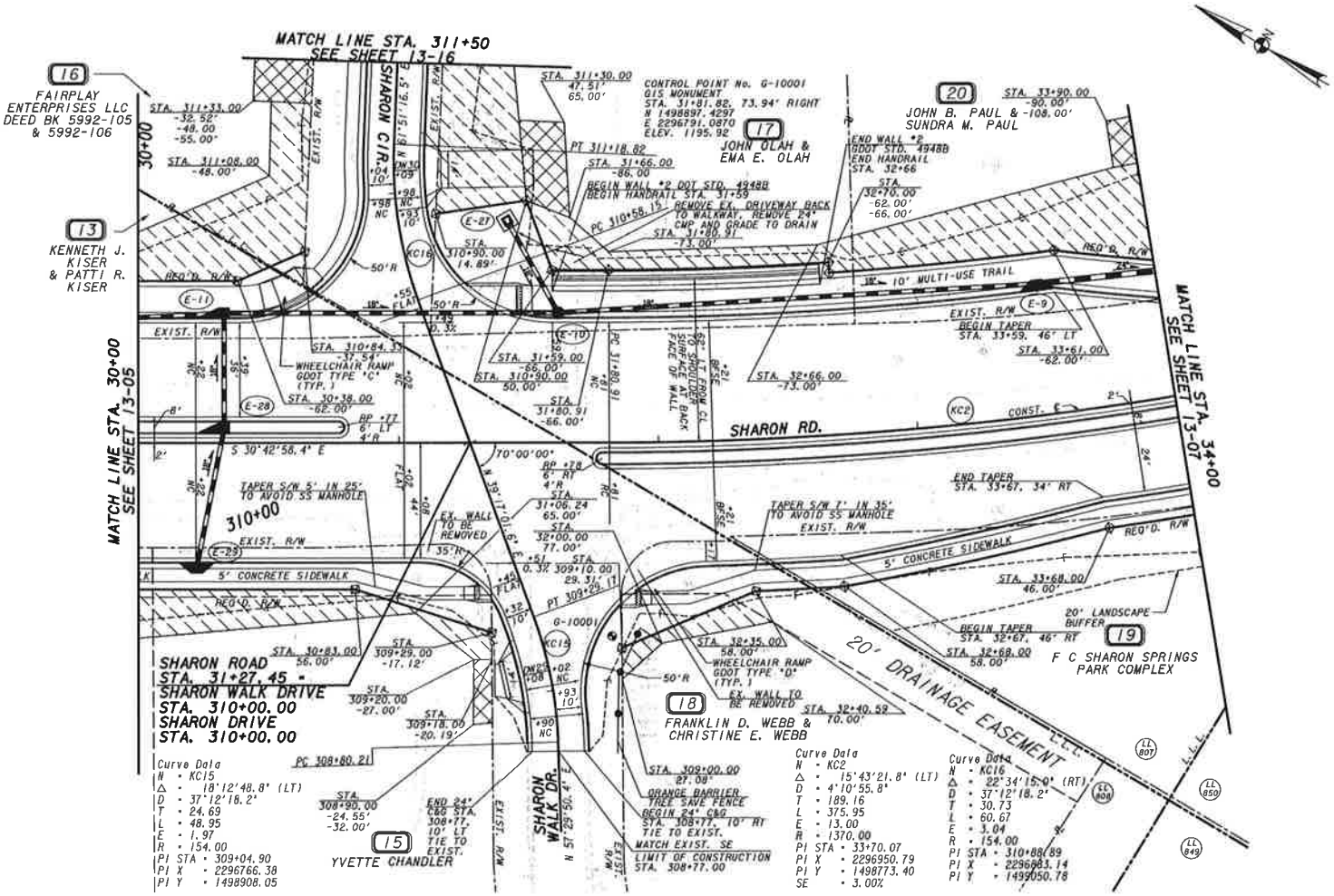
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-05

COUNTY	PROJECT NUMBER
FORSYTH	FEM-15



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ESA FENCE
EASEMENT FOR CONSTR OF DRIVES	

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

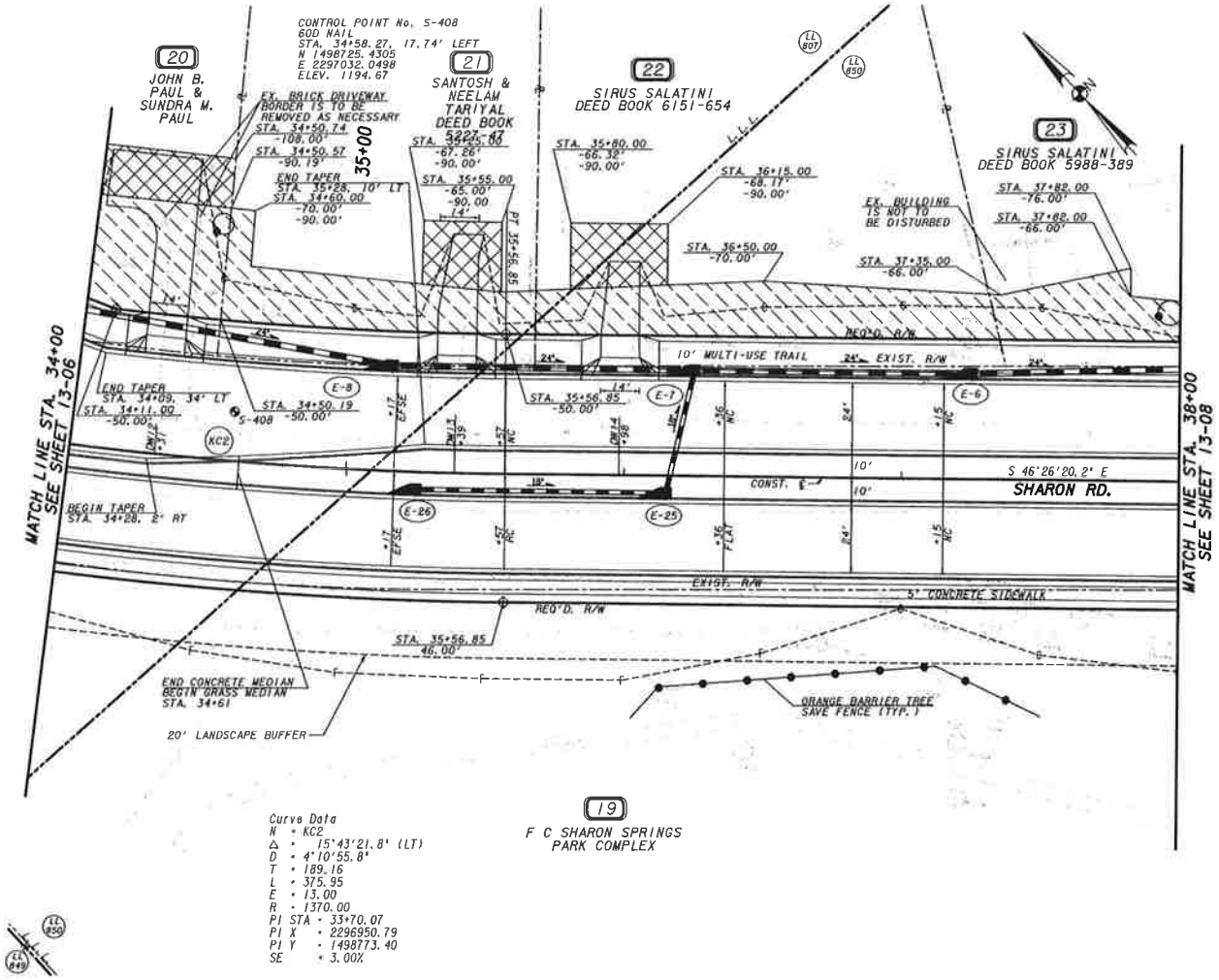
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-06

COUNTY	PROJECT NUMBER
FORSYTH	PEW 15



Curve Data
N = KC2
Δ = 15°43'21.8" (LT)
D = 4°10'55.8"
T = 189.16
L = 375.95
E = 13.00
R = 1370.00
PI STA = 33+70.07
PI X = 2296950.79
PI Y = 1498773.40
SE = 3.00%

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

SCALE: 1" = 20'

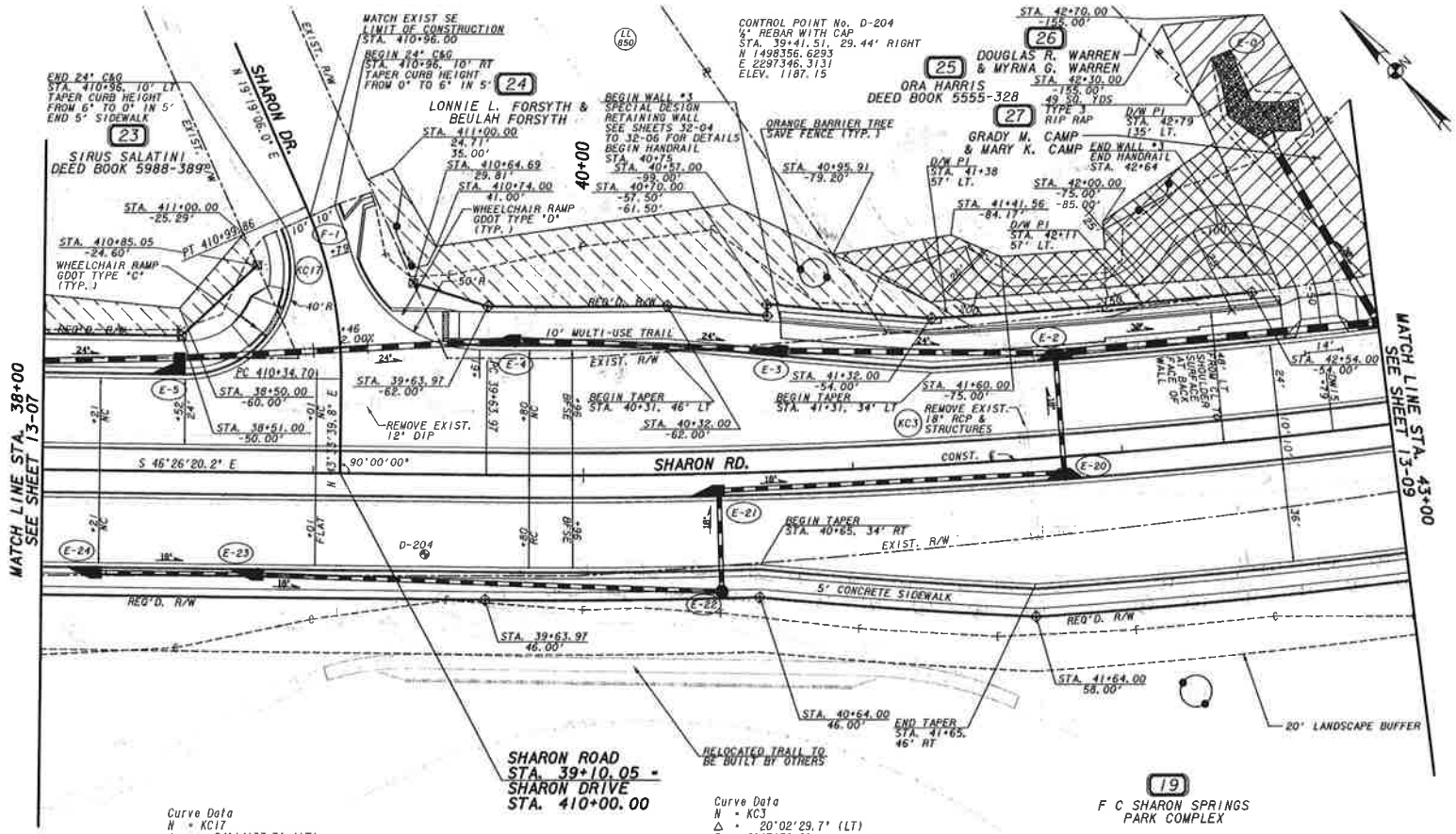
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-07

COUNTY	PROJECT NUMBER
FORSYTH	PEM 15



Curve Data
N = KC17
Δ = 24°14'33.7" (LT)
D = 37°12'18.2"
T = 33.07
L = 65.16
E = 3.51
R = 154.00
PI STA = 410+67.78
PI X = 2297390.51
PI Y = 1498448.76

Curve Data
N = KC3
Δ = 20°02'29.7" (LT)
D = 2°17'30.6"
T = 441.75
L = 874.48
E = 38.73
R = 2500.00
PI STA = 44+05.72
PI X = 2297702.98
PI Y = 1498058.07
SE = 2.40%

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

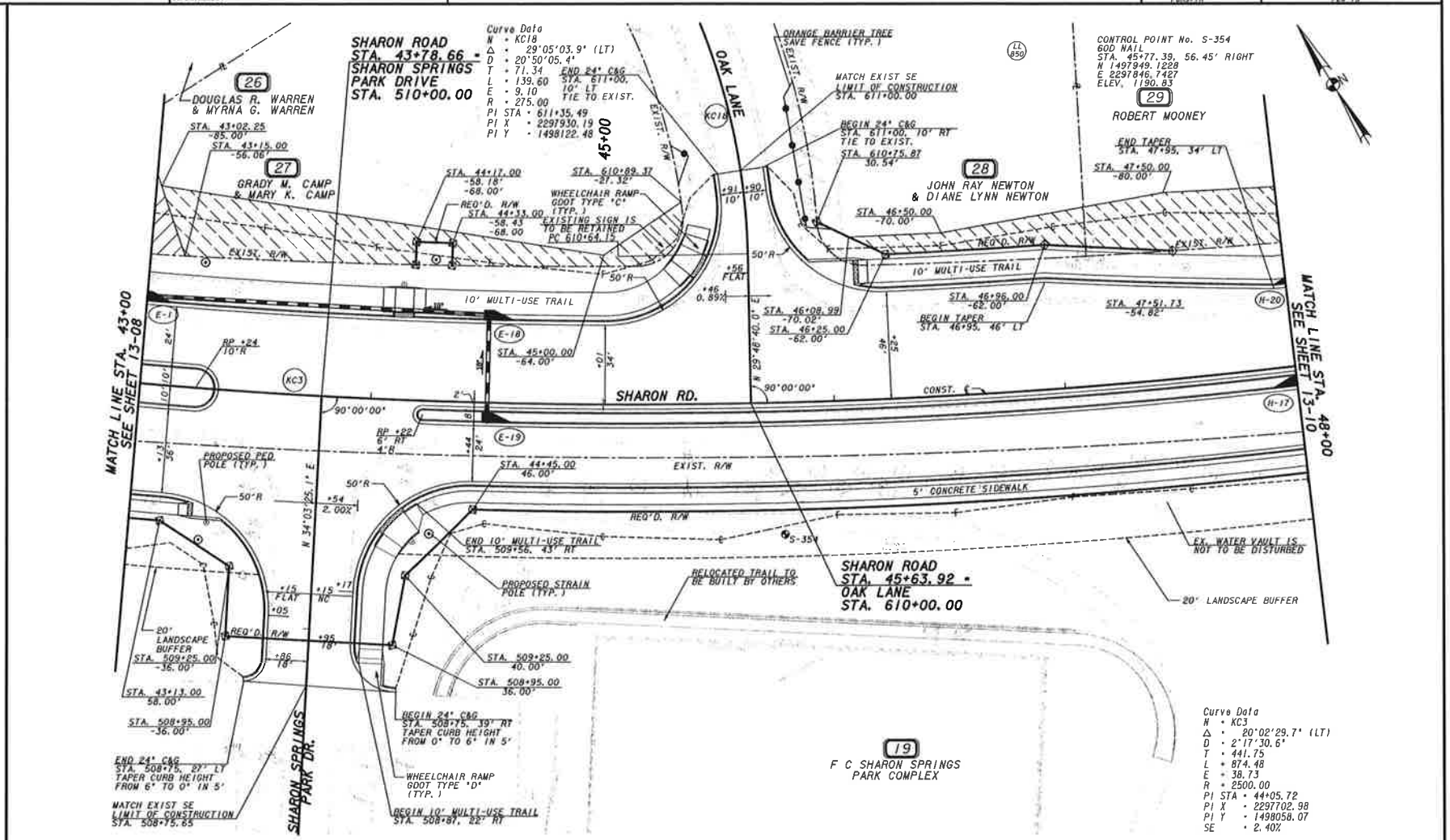
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-08

COUNTY	PROJECT NUMBER
FORSYTH	PEM 15



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS —C— —F—	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ESA FENCE
EASEMENT FOR CONSTR OF DRIVES	

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

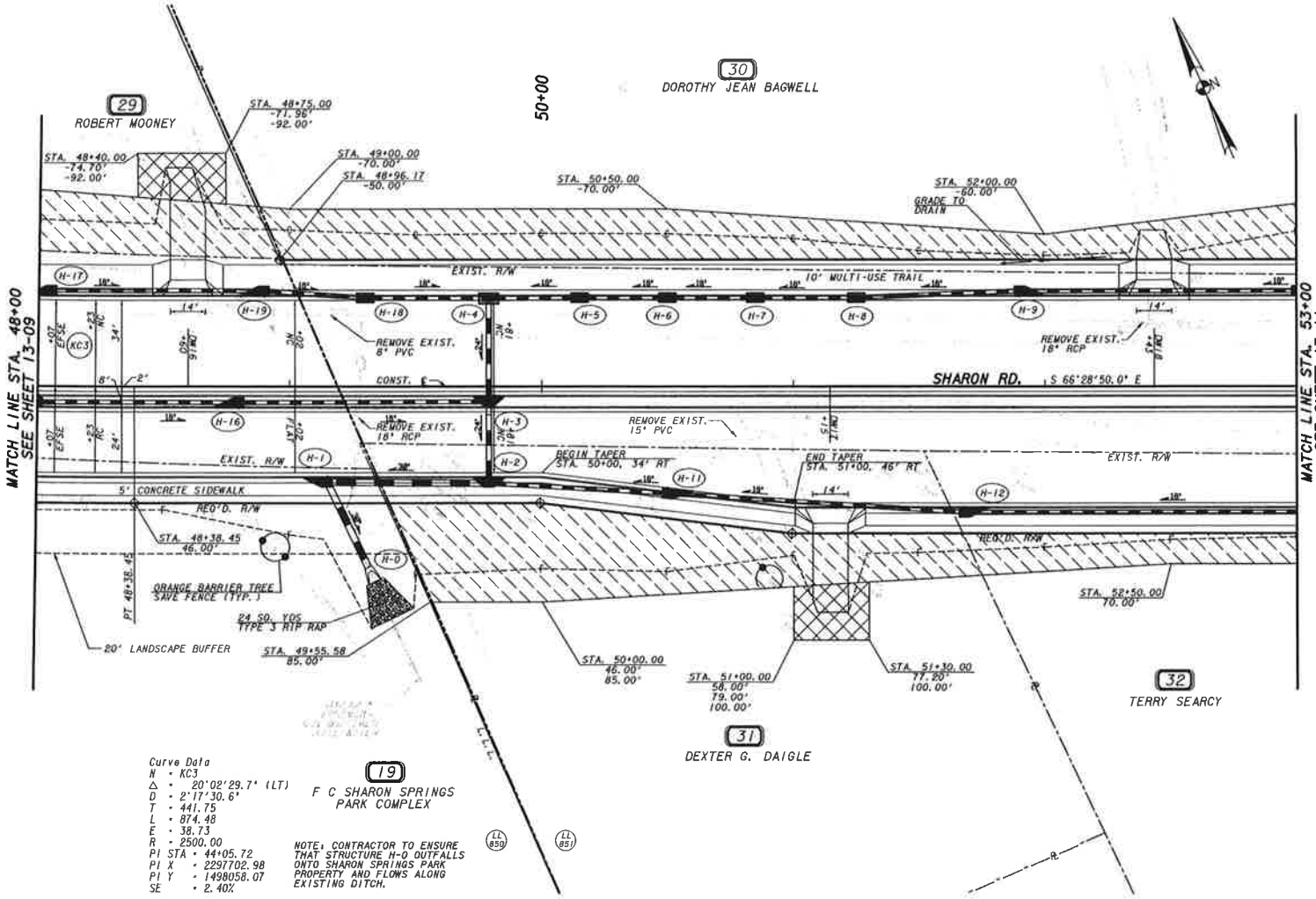
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING NO. 13-09

COUNTY	PROJECT NUMBER
FORSYTH	PEM 15



Curve Data
N = KC3
Δ = 20°02'29.7" (LT)
D = 2°17'30.6"
T = 441.75
L = 874.48
E = 38.73
R = 2500.00
PI STA = 44+05.72
PI X = 2297702.98
PI Y = 1498058.07
SE = 2.40%

NOTE: CONTRACTOR TO ENSURE THAT STRUCTURE H-0 OUTFALLS ONTO SHARON SPRINGS PARK PROPERTY AND FLOWS ALONG EXISTING DITCH.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

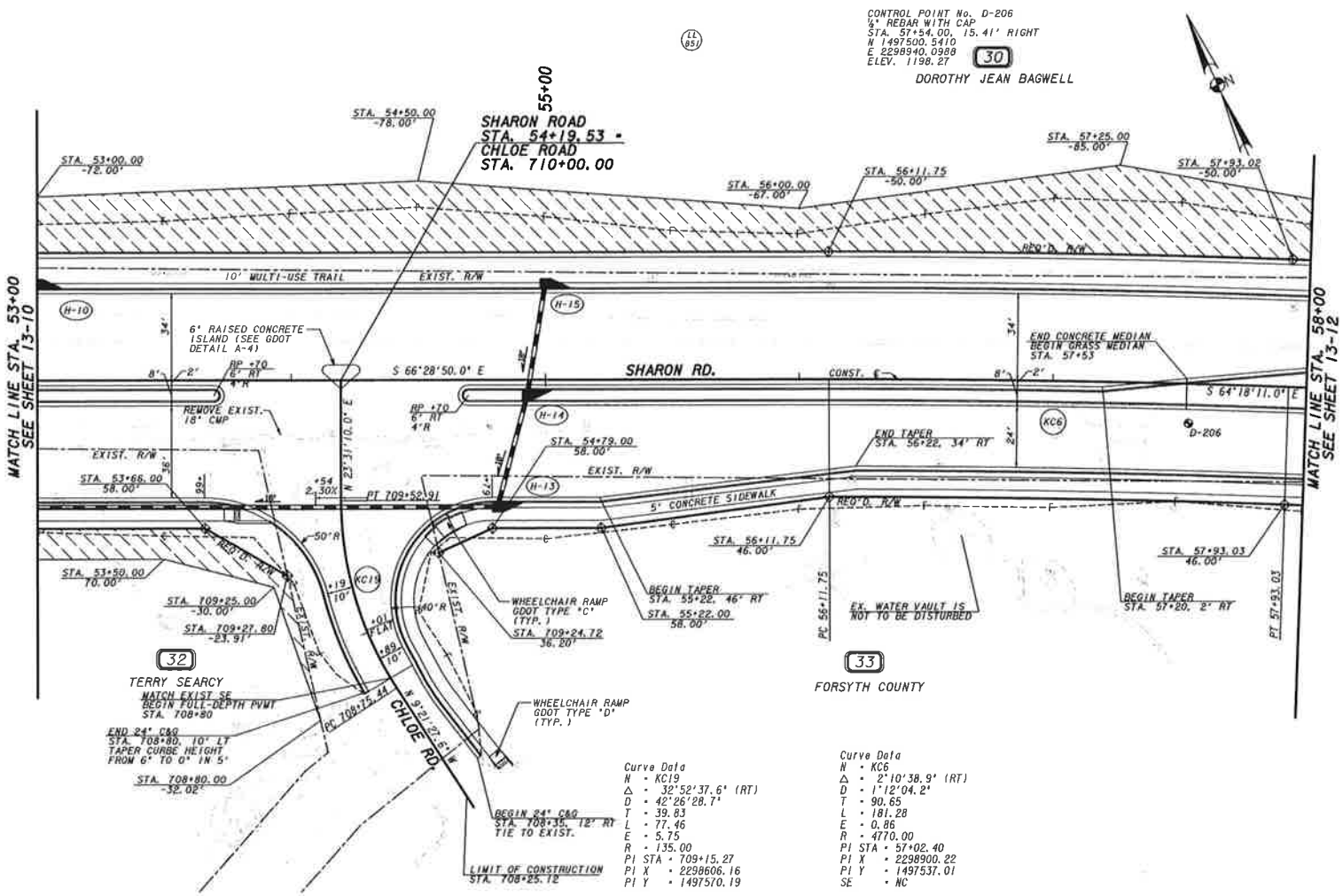
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING NO. 13-10

DATE TIME	TIME	PRF	DGN	COUNTY	PROJECT NUMBER
USER		PENTABLE		FORSYTH	PEW 15



Curve Data
N - KC19
Δ - 32°52'37.6" (RT)
D - 42°26'28.7"
T - 39.83
L - 77.46
E - 5.75
R - 135.00
PI STA - 709+15.27
PI X - 2298606.16
PI Y - 1497570.19

Curve Data
N - KC6
Δ - 2°10'38.9" (RT)
D - 1°12'04.2"
T - 90.65
L - 181.28
E - 0.86
R - 4770.00
PI STA - 57+02.40
PI X - 2298900.22
PI Y - 1497537.01
SE - NC

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	G F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

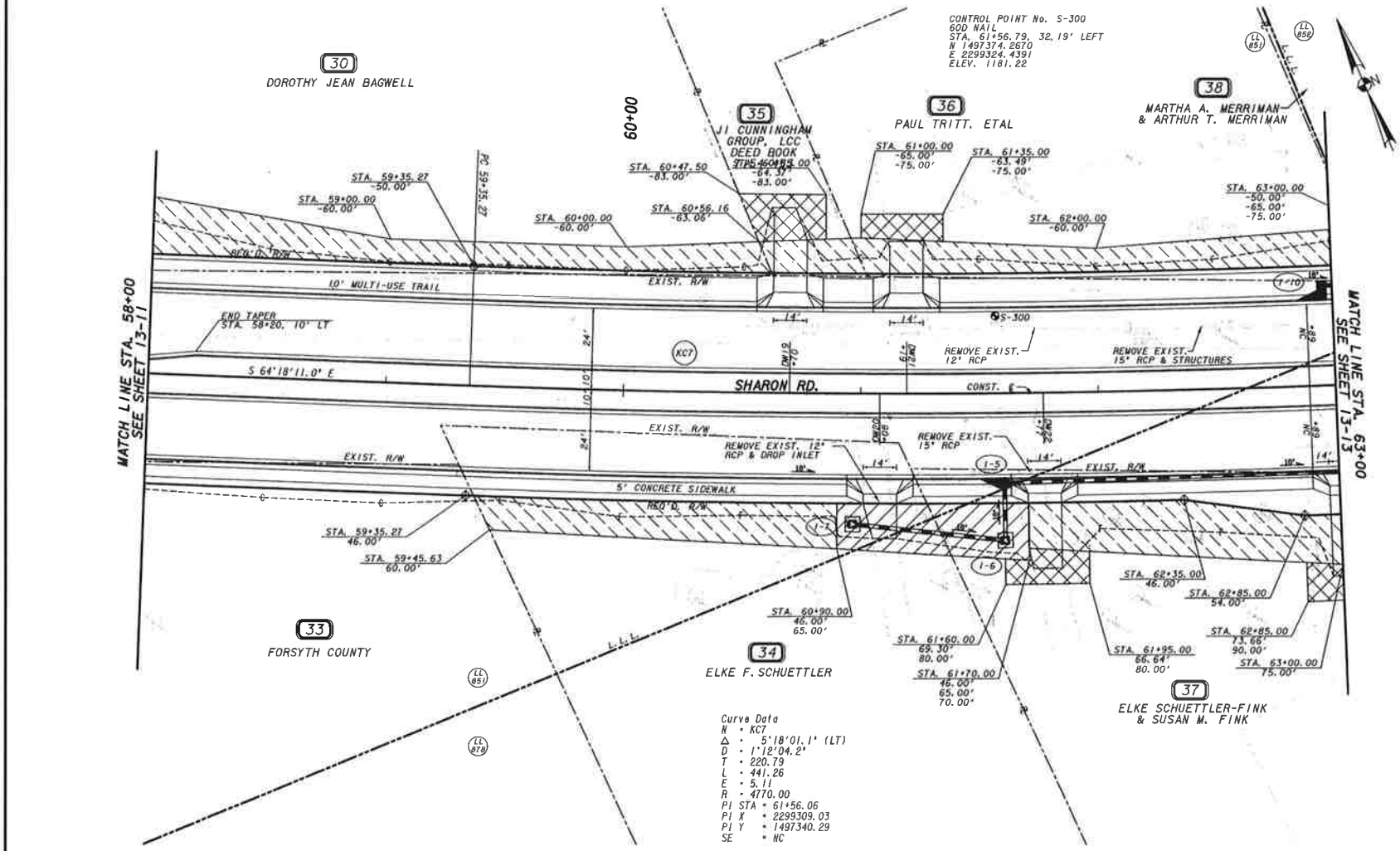
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-11

COUNTY	PROJECT NUMBER
FORSYTH	PEW 15



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ESA FENCE
EASEMENT FOR CONSTR OF DRIVES	

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

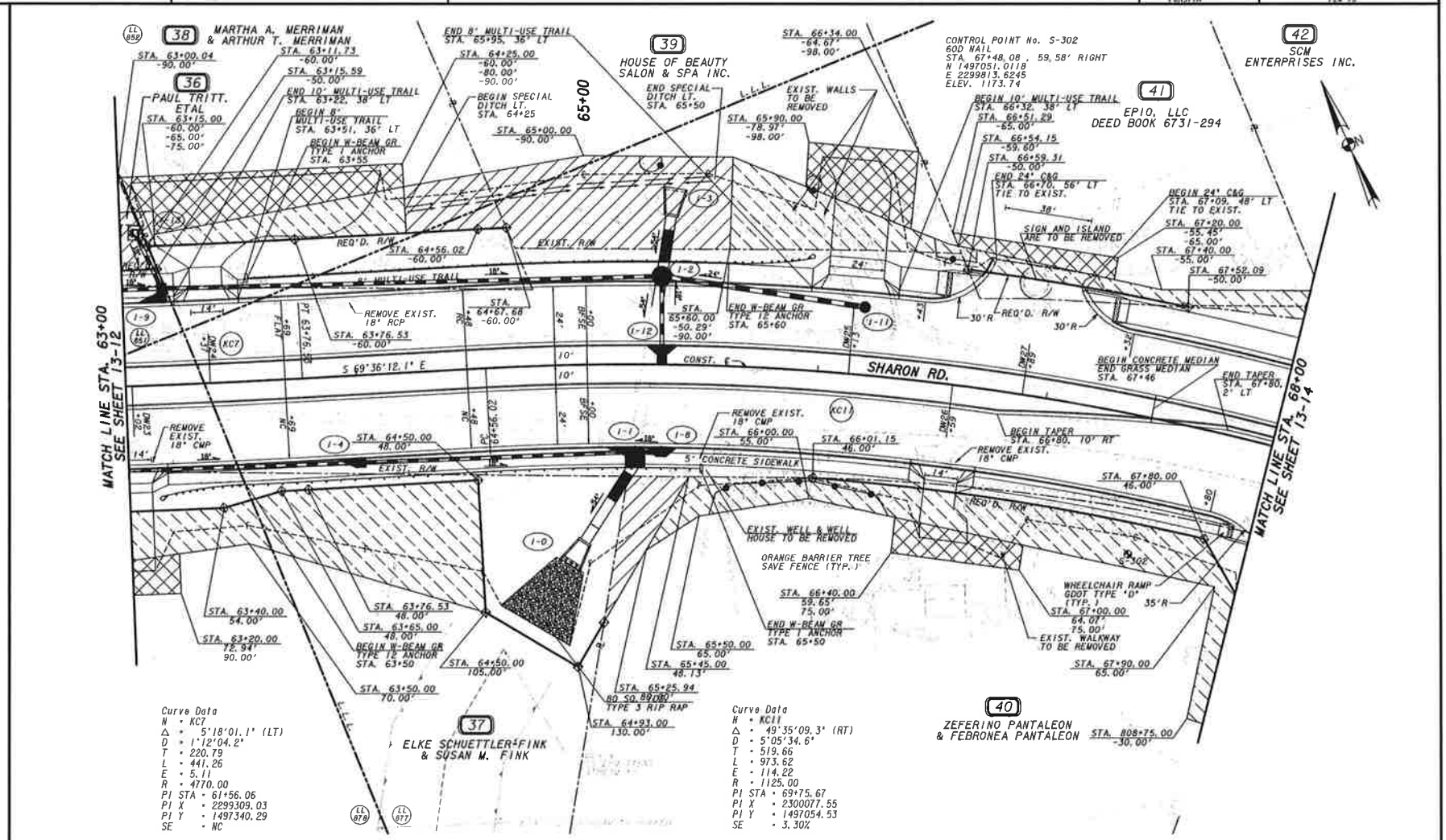
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING NO. 13-12

COUNTY	PROJECT NUMBER
FORSYTH	FEM 15



Curve Data
N = KC7
Δ = 5°18'01.1" (LT)
D = 1°12'04.2"
T = 220.79
L = 441.26
E = 5.11
R = 4770.00
PI STA = 61+56.06
PI X = 2299309.03
PI Y = 1497340.29
SE = NC

Curve Data
N = KC11
Δ = 49°35'09.3" (RT)
D = 5°05'34.6"
T = 519.66
L = 973.62
E = 114.22
R = 1125.00
PI STA = 69+75.67
PI X = 2300077.55
PI Y = 1497054.53
SE = 3.30%

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ESA FENCE
EASEMENT FOR CONSTR OF DRIVES	

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

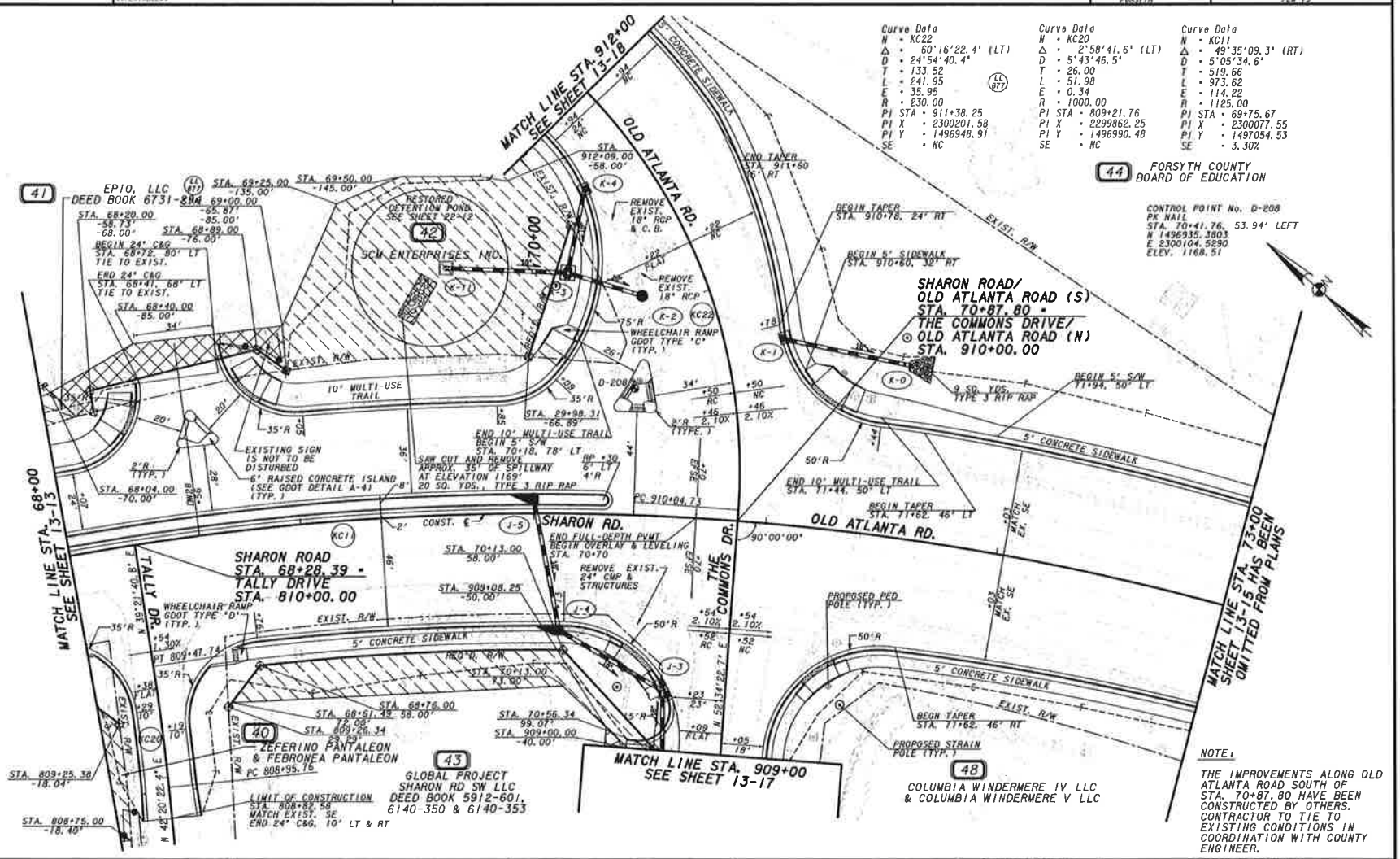
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING NO. 13-13

COUNTY	PROJECT NUMBER
FORSYTH	FEM-15



NOTE:

THE IMPROVEMENTS ALONG OLD ATLANTA ROAD SOUTH OF STA. 70+87.80 HAVE BEEN CONSTRUCTED BY OTHERS. CONTRACTOR TO TIE TO EXISTING CONDITIONS IN COORDINATION WITH COUNTY ENGINEER.

Curve Data	Curve Data	Curve Data
N = KC22	N = KC20	N = KC11
Δ = 60°16'22.4" (LT)	Δ = 2°58'41.6" (LT)	Δ = 49°35'09.3" (RT)
D = 24°54'40.4"	D = 5°43'46.5"	D = 5°05'34.6"
T = 133.52	T = 26.00	T = 519.66
L = 241.95 (LL 877)	L = 51.98	L = 973.62
E = 35.95	E = 0.34	E = 114.22
R = 230.00	R = 1000.00	R = 1125.00
PI STA = 911+38.25	PI STA = 809+21.76	PI STA = 69+75.67
PI X = 2300201.58	PI X = 2299862.25	PI X = 2300077.55
PI Y = 1496948.91	PI Y = 1496990.48	PI Y = 1497054.53
SE = NC	SE = NC	SE = 3.30%

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

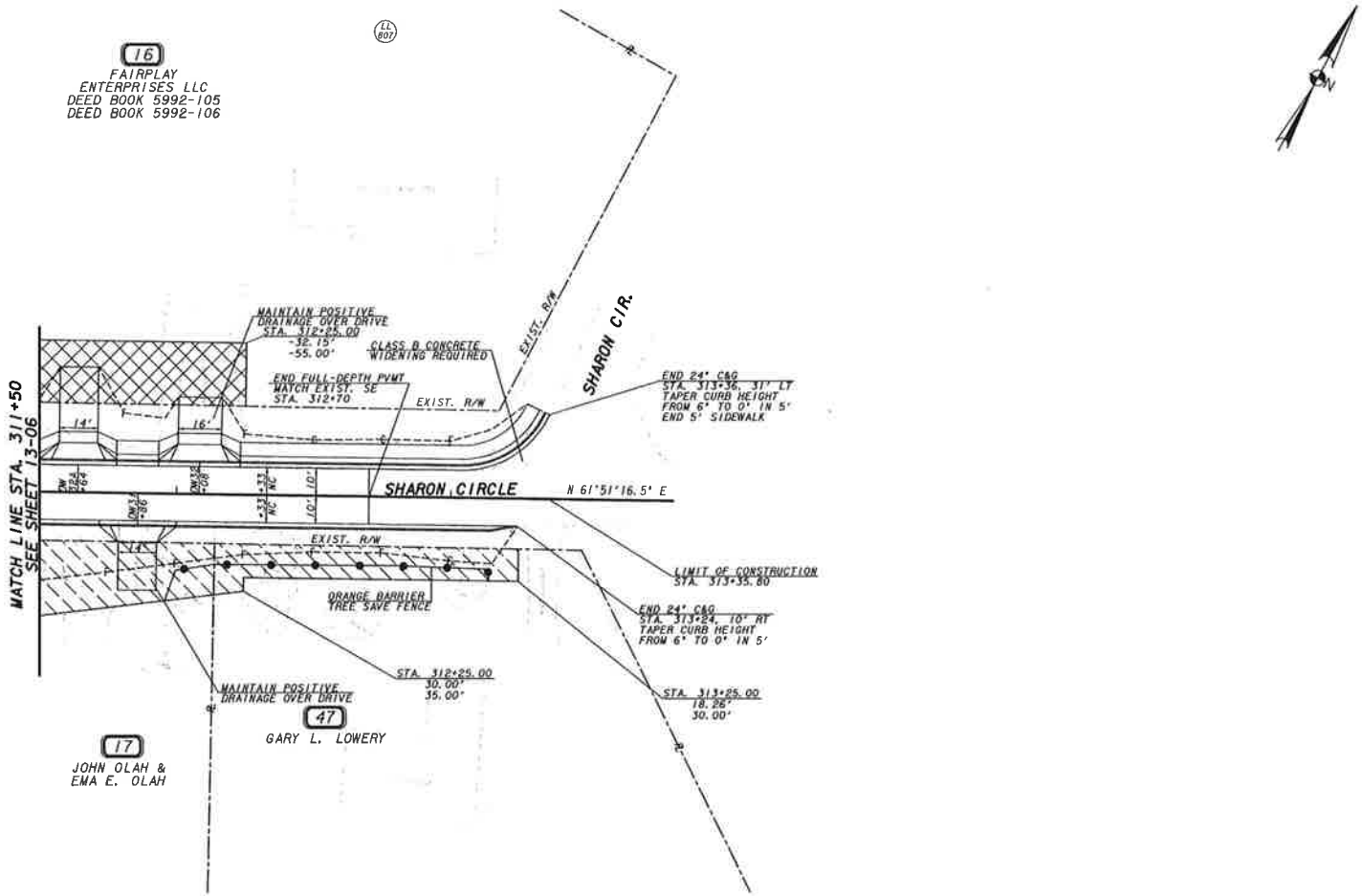
REVISION DATES

FORSYTH COUNTY DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-14

COUNTY	PROJECT NUMBER
FORSYTH	PCW 15



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

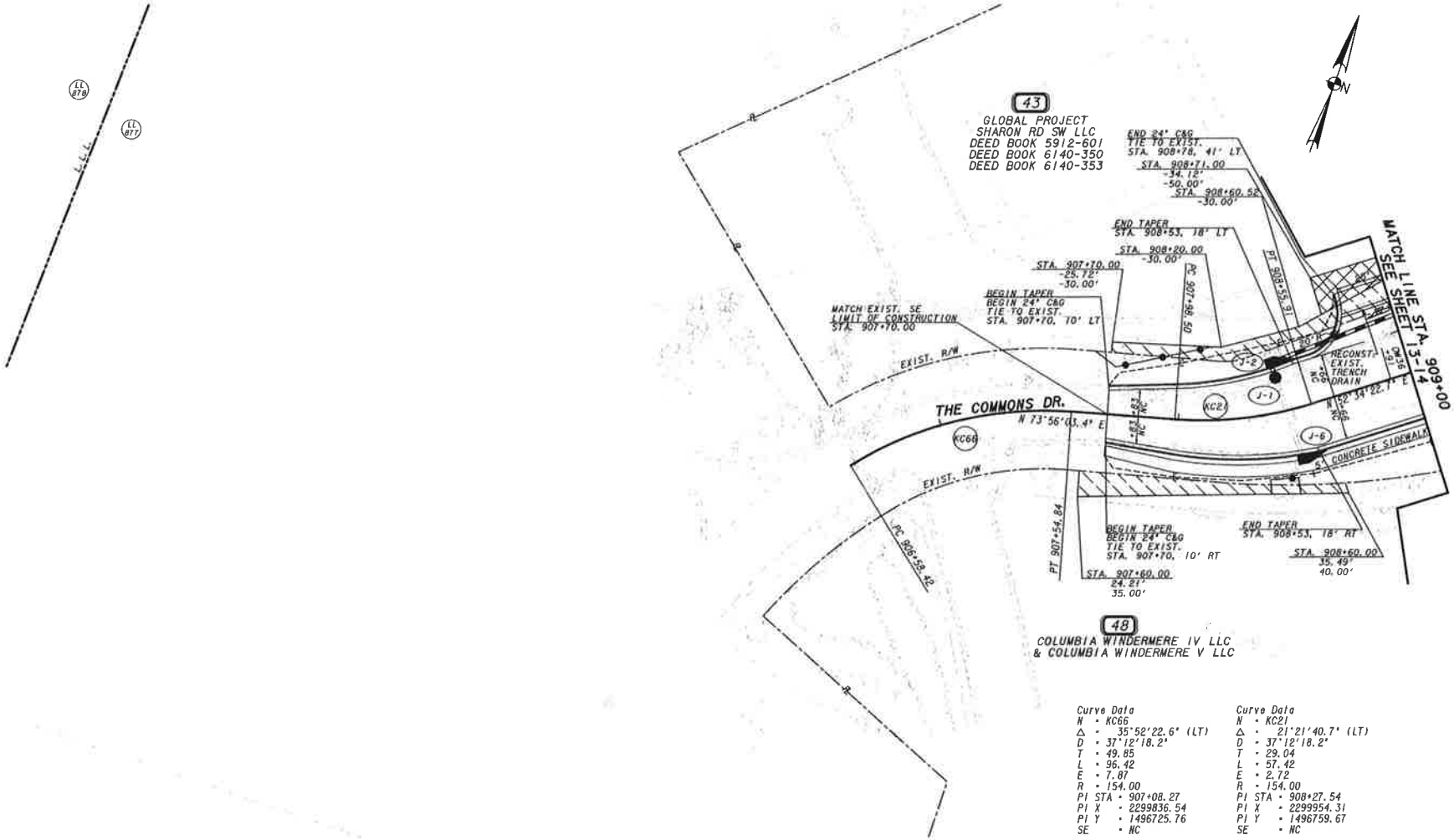
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-16

DATE:TIME:###	TIME:###	APP/F#	##DGN##	COUNTY	PROJECT NUMBER
#USER#		#PENTABLE##		FORSYTH	PEM 15



Curve Data	Curve Data
N - KC66	N - KC21
Δ - 35°52'22.6" (LT)	Δ - 21°21'40.7" (LT)
D - 37°12'18.2"	D - 37°12'18.2"
T - 49.85	T - 29.04
L - 96.42	L - 57.42
E - 7.87	E - 2.72
R - 154.00	R - 154.00
PI STA - 907+08.27	PI STA - 908+27.54
PI X - 2299836.54	PI X - 2299954.31
PI Y - 1496725.76	PI Y - 1496759.67
SE - NC	SE - NC

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

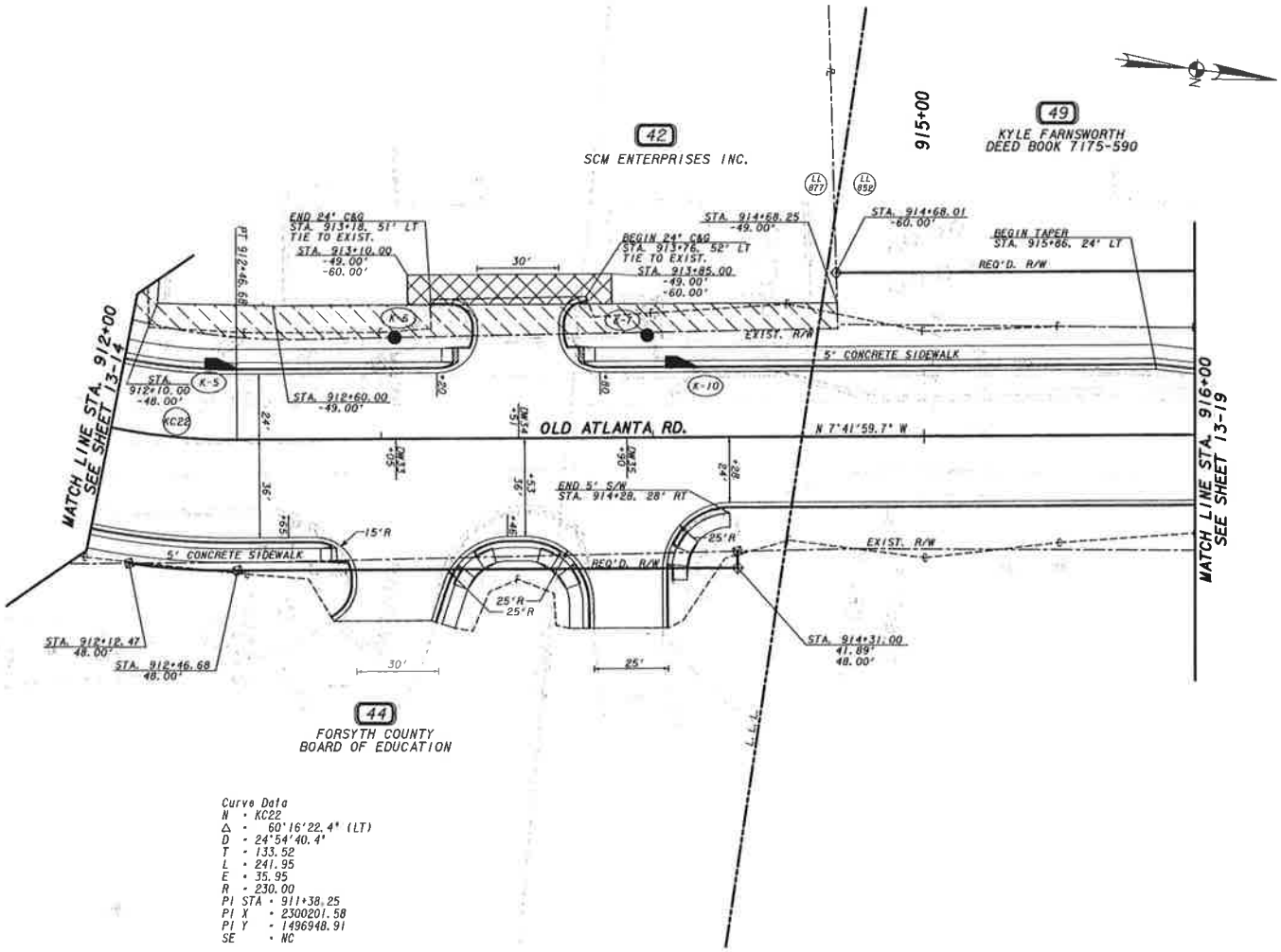
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING NO. 13-17

DATETIME***	TIME***	*PRF*	*DGN*	COUNTY	PROJECT NUMBER
USER		**PENTABLE**		FORSYTH	PEW 15



Curve Data
N - KC22
Δ - 60°16'22.4" (LT)
D - 24°54'40.4"
T - 133.52
L - 241.95
E - 35.95
R - 230.00
PI STA - 911+38.25
PI X - 2300201.58
PI Y - 1496948.91
SE - NC

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	—G— —F—
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ESA FENCE	

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

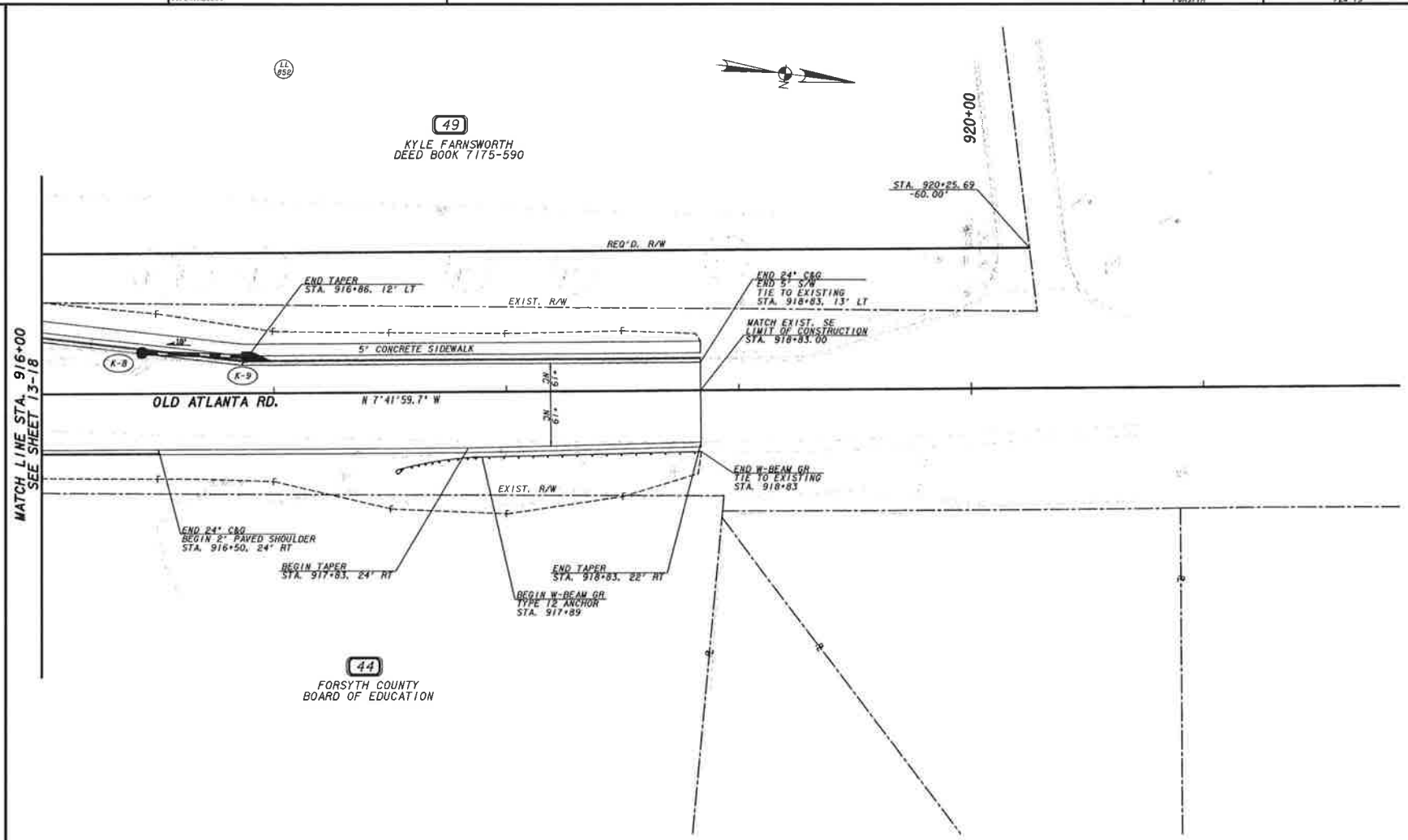
REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-18

DATE TIME	TIME	PRF	DGN	COUNTY	PROJECT NUMBER
USER		PENTABLE		FORSYTH	PEW 15



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ESA FENCE

Wolverton & Associates

20 0 20 40 60FT.
SCALE: 1" = 20'

REVISION DATES

FORSYTH COUNTY
DEPARTMENT OF ENGINEERING

MAINLINE PLAN

DRAWING No. 13-19