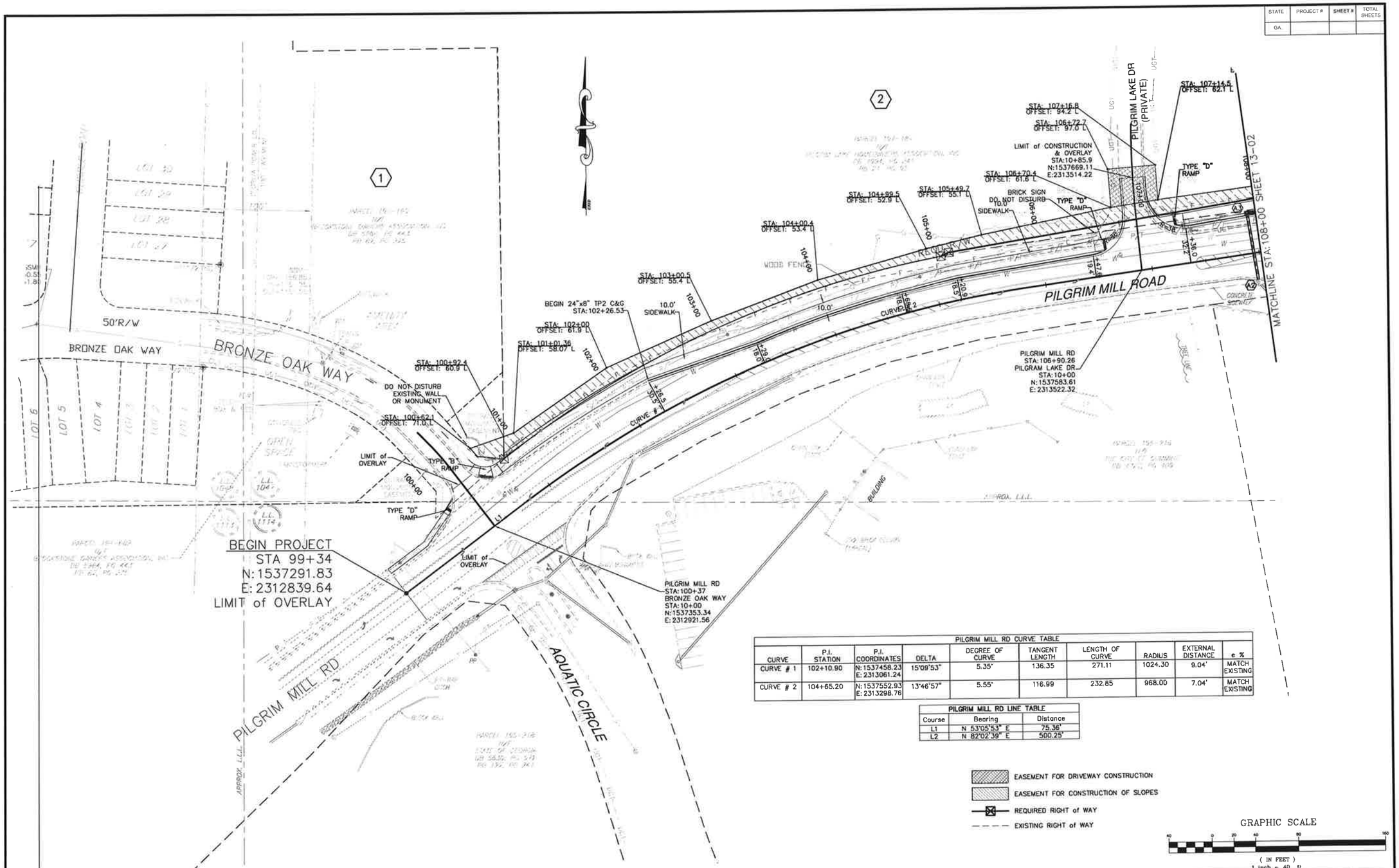
STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA			



PILGRIM MILL RD CURVE TABLE									
CURVE	P.I. STATION	P.I. COORDINATES	DELTA	DEGREE OF CURVE	TANGENT LENGTH	LENGTH OF CURVE	RADIUS	EXTERNAL DISTANCE	e %
CURVE # 1	102+10.90	N: 1537458.23 E: 2313061.24	15°09'53"	5.35'	136.35	271.11	1024.30	9.04'	MATCH EXISTING
CURVE # 2	104+65.20	N: 1537552.93 E: 2313298.76	13°46'57"	5.55'	116.99	232.85	968.00	7.04'	MATCH EXISTING

PILGRIM MILL RD LINE TABLE		
Course	Bearing	Distance
L1	N 53°05'53" E	75.36'
L2	N 82°02'39" E	500.25'

EASEMENT FOR DRIVEWAY CONSTRUCTION
EASEMENT FOR CONSTRUCTION OF SLOPES
REQUIRED RIGHT of WAY
EXISTING RIGHT of WAY

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

REVISIONS							
△	DATE	BY	DESCRIPTION	△	DATE	BY	DESCRIPTION

Moreland Altobelli Associates, Inc.
2450 Commerce Ave. Suite 100
Duluth, GA 30096
Telephone (770) 263-5945

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DESIGNED BY			DRAWN BY			QUANTITIES BY		
CHECKED BY			CHECKED BY			CHECKED BY		
SUPERVISED BY								

FORSYTH COUNTY

PILGRIM MILL ROAD

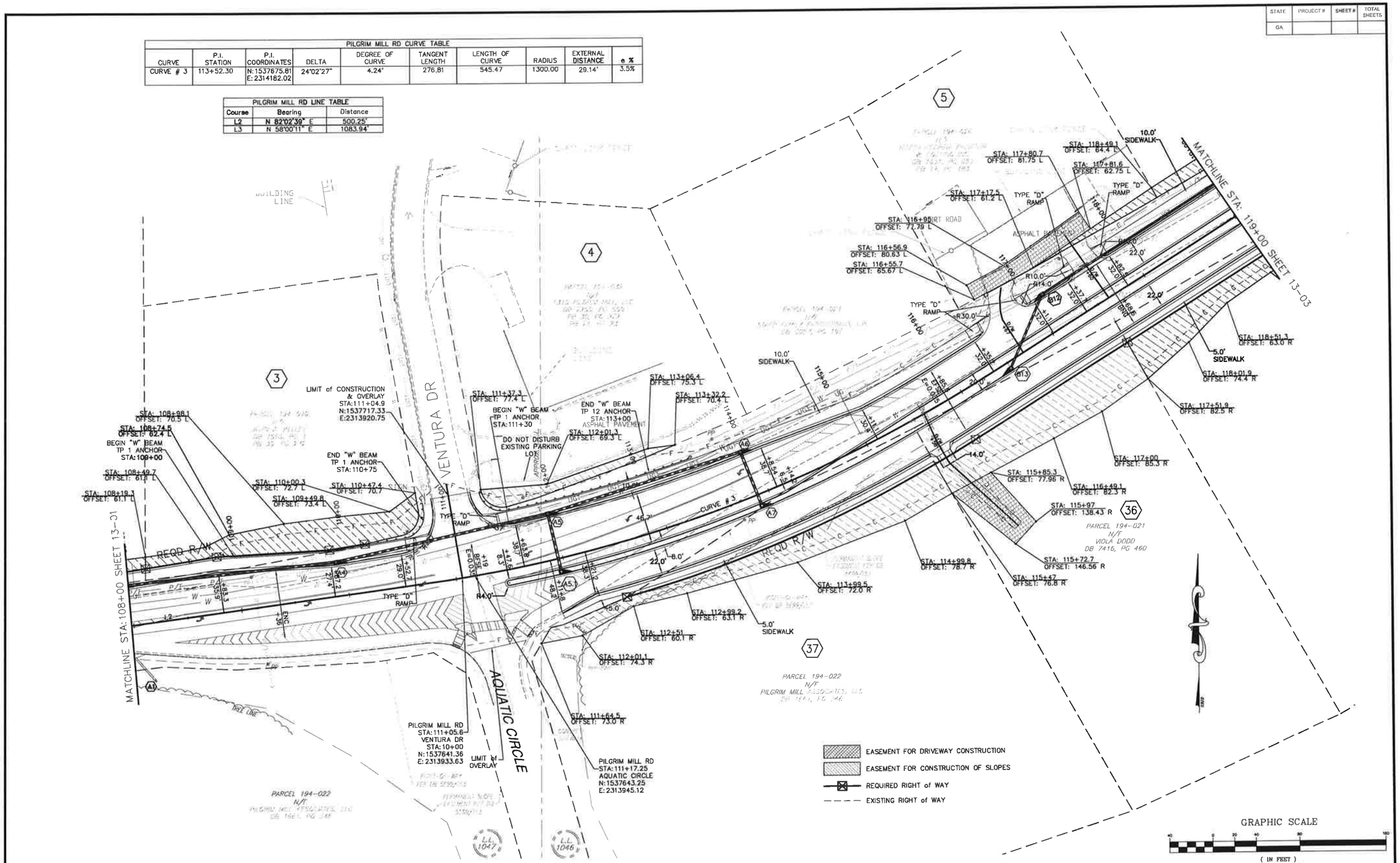
BRONZE OAK WAY to HOLTZCLAW RD
MAINLINE ROADWAY CONSTRUCTION PLANS

DRAWING NUMBER
13-01

STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA			

PILGRIM MILL RD CURVE TABLE								
CURVE	P.I. STATION	P.I. COORDINATES	DELTA	DEGREE OF CURVE	TANGENT LENGTH	LENGTH OF CURVE	RADIUS	EXTERNAL DISTANCE	e %
CURVE # 3	113+52.30	N: 1537675.81 E: 2314182.02	24°02'27"	4.24°	276.81	545.47	1300.00	29.14'	3.5%

PILGRIM MILL RD LINE TABLE		
Course	Bearing	Distance
L2	N 82°02'39" E	500.25'
L3	N 58°00'11" E	1083.94'



REVISIONS							
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FORSYTH COUNTY

PILGRIM MILL ROAD

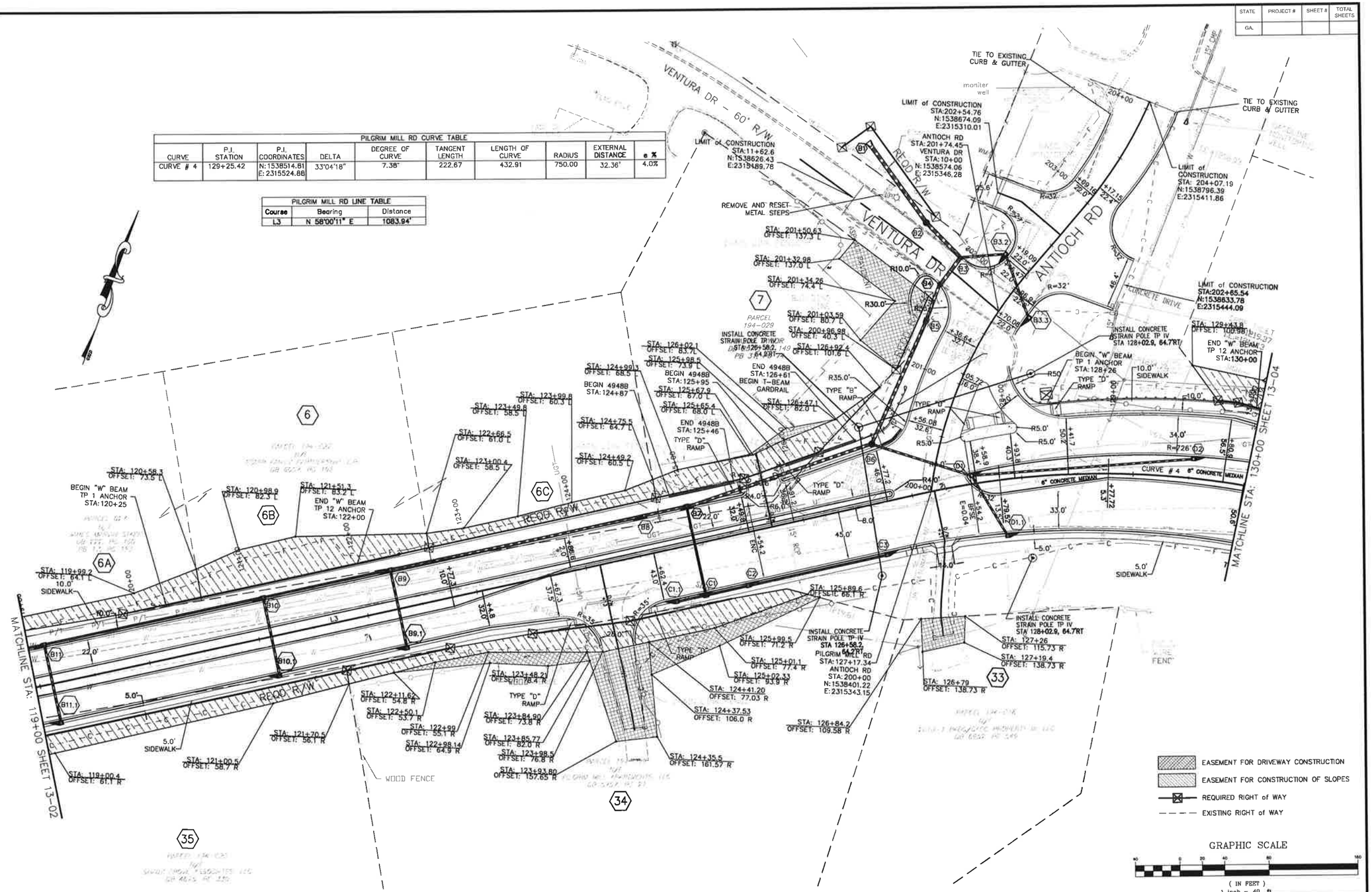
BRONZE OAK WAY to HOLTZCLAW RD
MAINLINE ROADWAY CONSTRUCTION PLANS

DRAWING NUMBER 13-02

STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA.			

PILGRIM MILL RD CURVE TABLE									
CURVE	P.I. STATION	P.I. COORDINATES	DELTA	DEGREE OF CURVE	TANGENT LENGTH	LENGTH OF CURVE	RADIUS	EXTERNAL DISTANCE	e %
CURVE # 4	129+25.42	N: 1538514.81 E: 2315524.88	33°04'18"	7.38°	222.67	432.91	750.00	32.36'	4.0%

PILGRIM MILL RD LINE TABLE		
Course	Bearing	Distance
L3	N 58°00'11" E	1083.94'



REVISIONS							
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FORSYTH COUNTY

PILGRIM MILL ROAD

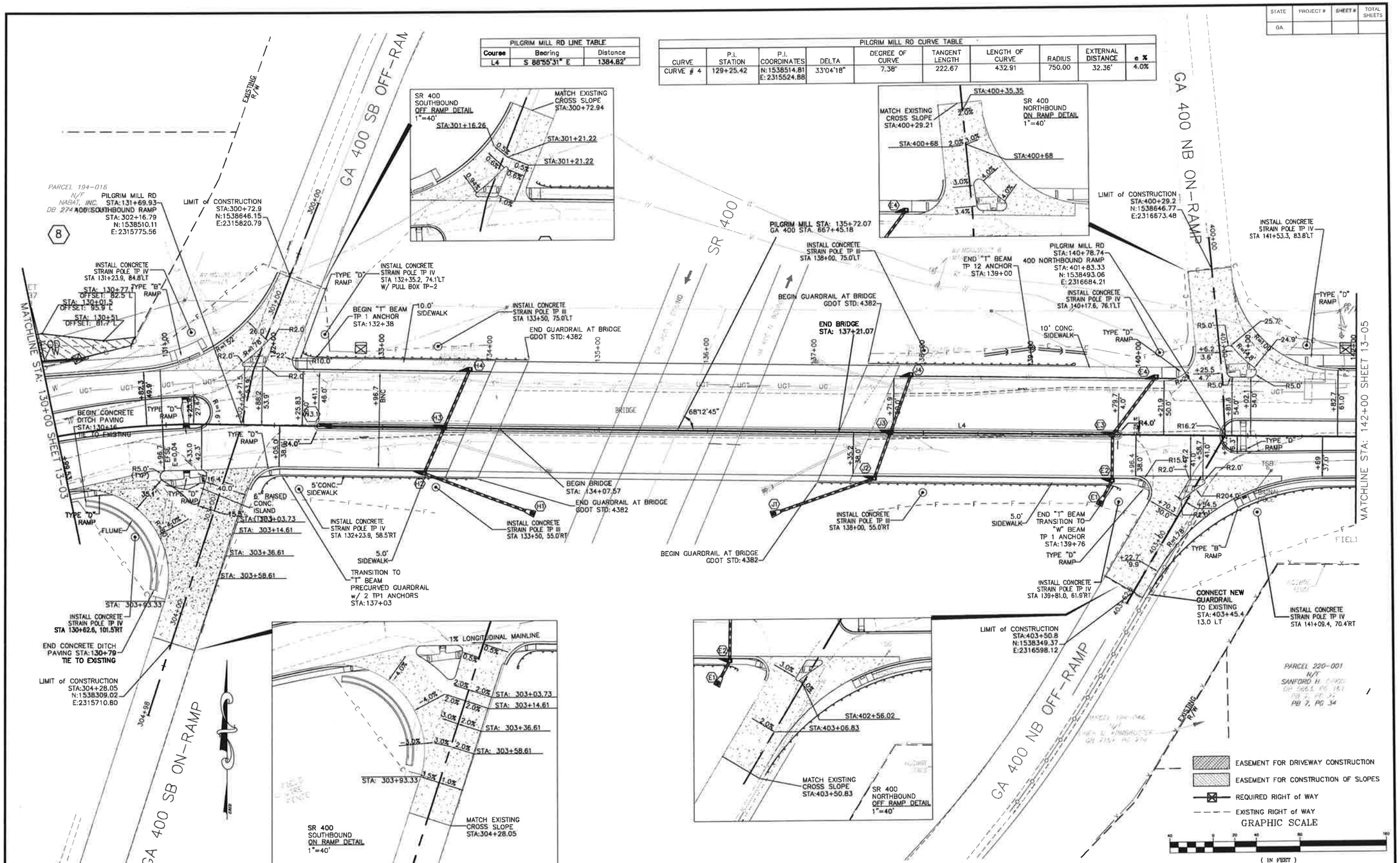
BRONZE OAK WAY to HOLTZCLAW RD
MAINLINE ROADWAY CONSTRUCTION PLANS

DRAWING NUMBER 13-03

STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA			

PILGRIM MILL RD LINE TABLE		
Course	Bearing	Distance
L4	S 88°55'31" E	1384.82'

PILGRIM MILL RD CURVE TABLE									
CURVE	P.I. STATION	P.I. COORDINATES	DELTA	DEGREE OF CURVE	TANGENT LENGTH	LENGTH OF CURVE	RADIUS	EXTERNAL DISTANCE	e %
CURVE # 4	129+25.42	N:1538514.81 E:2315524.88	33°04'18"	7.38'	222.67	432.91	750.00	32.36'	4.0%



REVISIONS							
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FORSYTH COUNTY

PILGRIM MILL ROAD

BRONZE OAK WAY to HOLTZCLAW RD

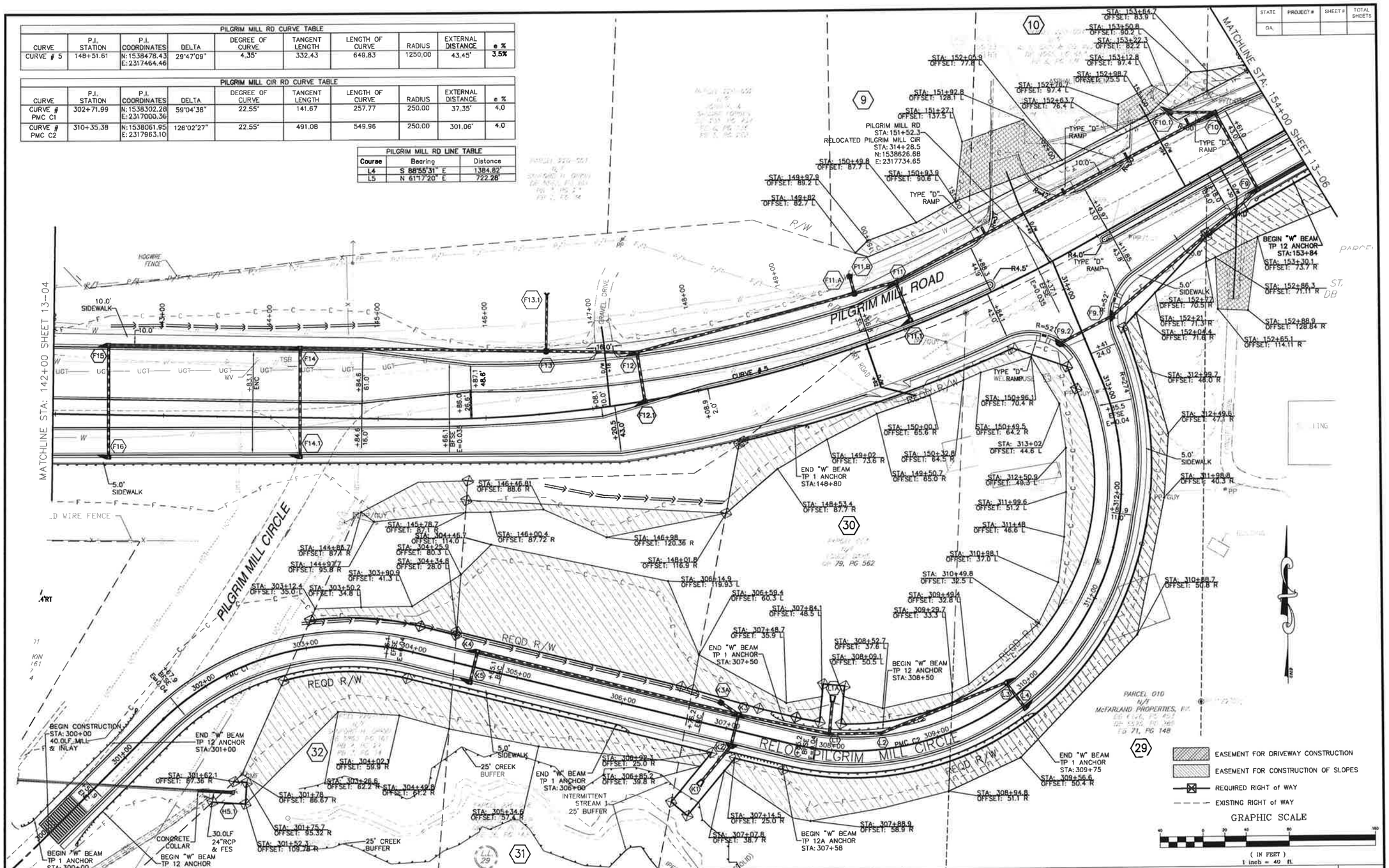
MAINLINE ROADWAY CONSTRUCTION PLANS

DRAWING NUMBER 13-04

PILGRIM MILL RD CURVE TABLE									
CURVE	P.I. STATION	P.I. COORDINATES	DELTA	DEGREE OF CURVE	TANGENT LENGTH	LENGTH OF CURVE	RADIUS	EXTERNAL DISTANCE	e %
CURVE # 5	148+51.61	N: 1538478.43 E: 2317464.46	29°47'09"	4.35'	332.43	649.83	1250.00	43.45'	3.5%

PILGRIM MILL CIR RD CURVE TABLE									
CURVE	P.I. STATION	P.I. COORDINATES	DELTA	DEGREE OF CURVE	TANGENT LENGTH	LENGTH OF CURVE	RADIUS	EXTERNAL DISTANCE	e %
CURVE # PMC C1	302+71.99	N: 1538302.28 E: 2317000.36	59°04'38"	22.55'	141.67	257.77	250.00	37.35'	4.0
CURVE # PMC C2	310+35.38	N: 1538061.95 E: 2317963.10	126°02'27"	22.55'	491.08	549.96	250.00	301.06'	4.0

PILGRIM MILL RD LINE TABLE		
Course	Bearing	Distance
L4	S 88°55'31" E	1384.82'
L5	N 61°17'20" E	722.28'



STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA.			

REVISIONS

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FORSYTH COUNTY

PILGRIM MILL ROAD

BRONZE OAK WAY to HOLTZCLAW RD
MAINLINE ROADWAY CONSTRUCTION PLANS

DRAWING NUMBER
13-05

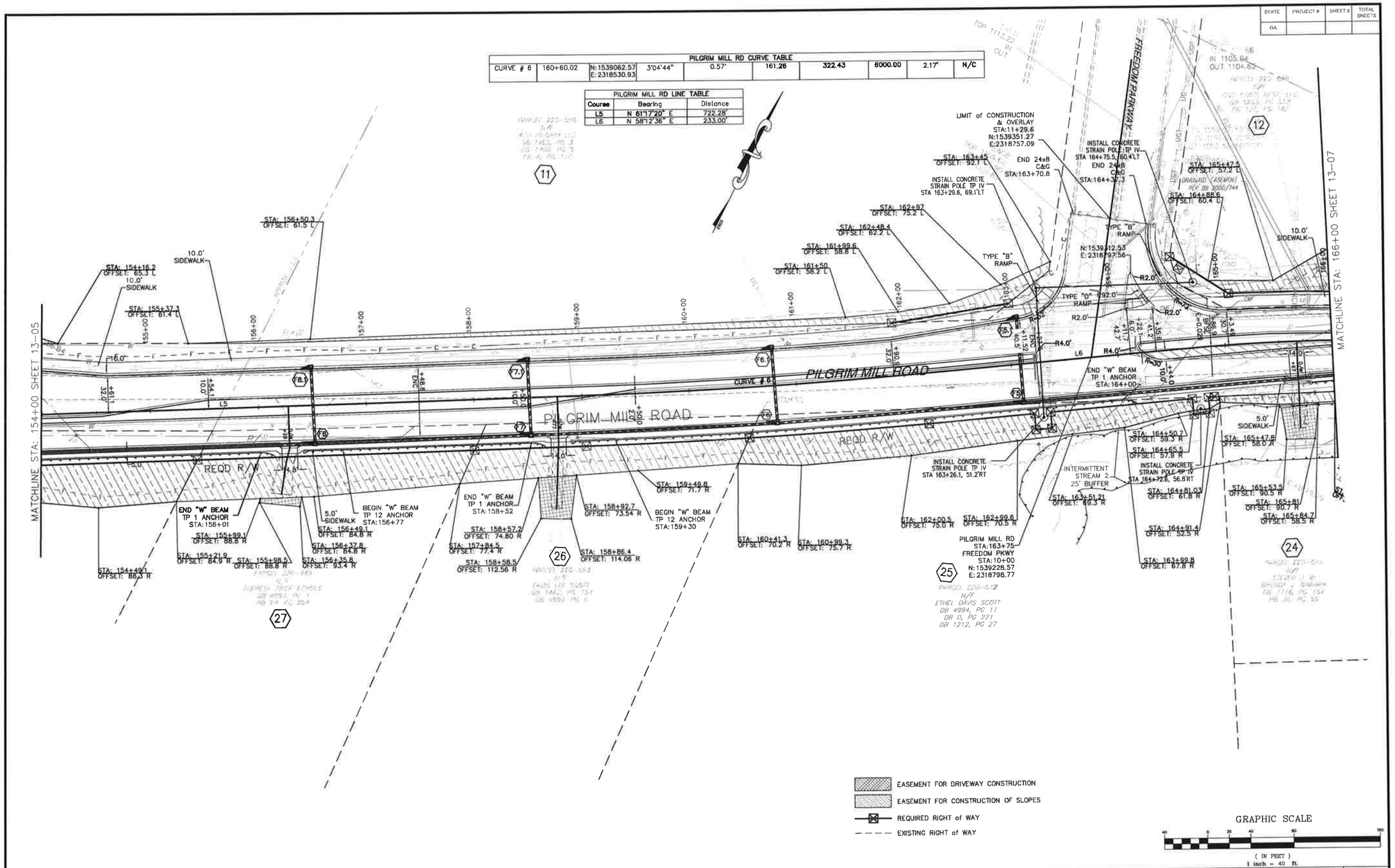
STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA.			

PILGRIM MILL RD CURVE TABLE

CURVE # 6	160+60.02	N:1539062.57 E:2318530.93	3°04'44"	0.57'	161.26	322.43	6000.00	2.17'	N/C

PILGRIM MILL RD LINE TABLE

Course	Bearing	Distance
L5	N 61°17'20" E	722.28'
L6	N 58°12'36" E	233.00'



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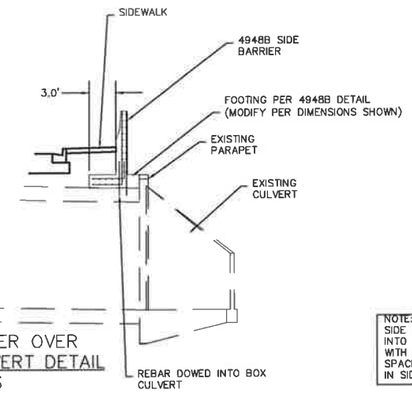
FORSYTH COUNTY

PILGRIM MILL ROAD

BRONZE OAK WAY to HOLTZCLAW RD
MAINLINE ROADWAY CONSTRUCTION PLANS

DRAWING NUMBER 13-06

STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA			



SIDE BARRIER OVER
EXISTING CULVERT DETAIL
NTS

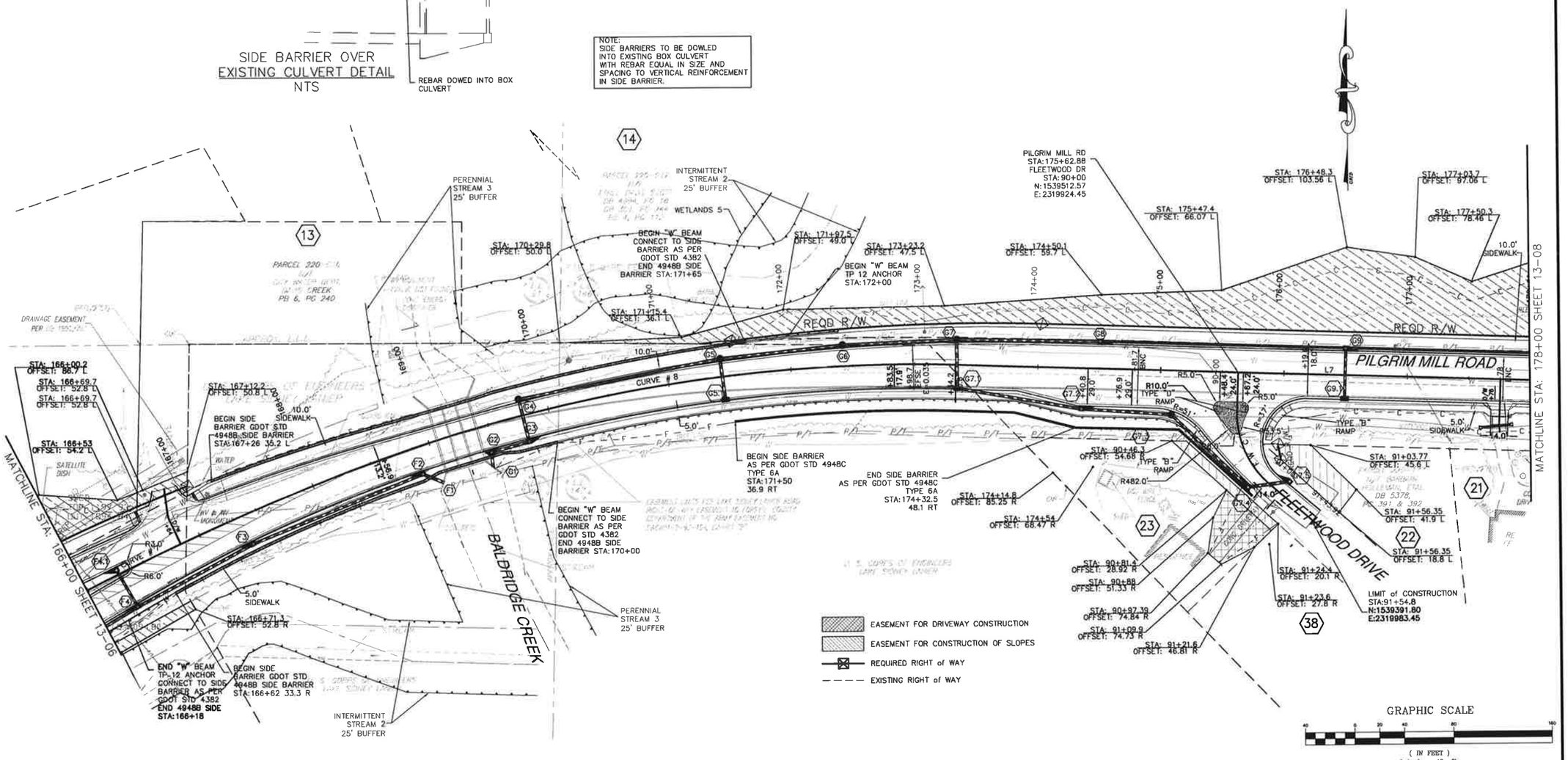
NOTE:
SIDE BARRIERS TO BE DOWLED INTO EXISTING BOX CULVERT WITH REBAR EQUAL IN SIZE AND SPACING TO VERTICAL REINFORCEMENT IN SIDE BARRIER.

PILGRIM MILL RD CURVE TABLE

CURVE	P.I. STATION	P.I. COORDINATES	DELTA	DEGREE OF CURVE	TANGENT LENGTH	LENGTH OF CURVE	RADIUS	EXTERNAL DISTANCE	e %
CURVE # 7	166+50.16	N: 1539373.82 E: 2319033.12	11°18'52"	2.53'	196.56	391.85	1984.26	9.71'	2.9%
CURVE # 8	170+92.11	N: 1539529.77 E: 2319450.77	22°33'16"	4.35'	249.26	492.06	1250.00	24.61'	3.5%

PILGRIM MILL RD LINE TABLE

Course	Bearing	Distance
L7	S 87°55'16" E	572.81'



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FORSYTH COUNTY

PILGRIM MILL ROAD
BRONZE OAK WAY to HOLTZCLAW RD
MAINLINE ROADWAY CONSTRUCTION PLANS

DRAWING NUMBER
13-07

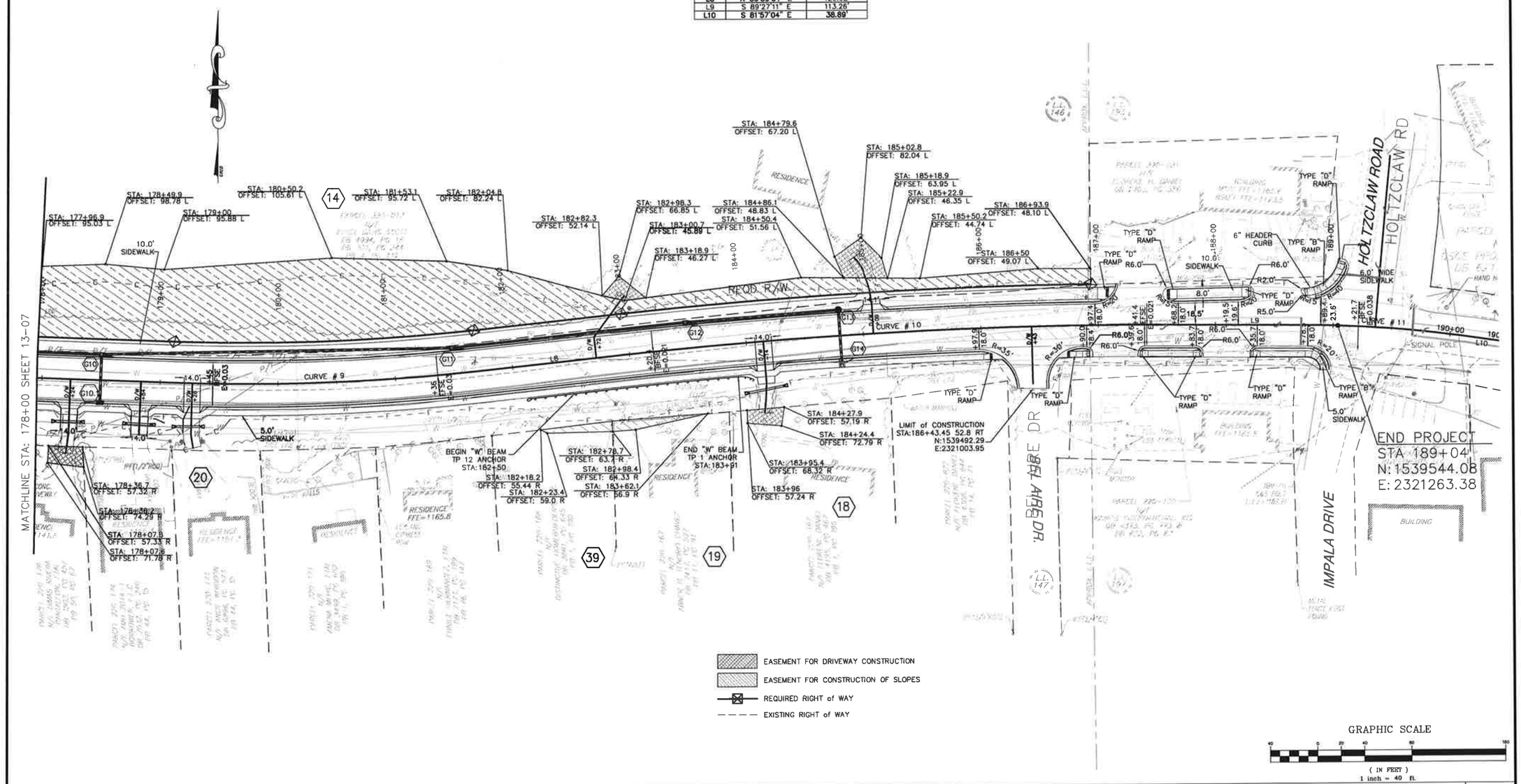
STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA.			

PILGRIM MILL RD CURVE TABLE

CURVE	P.I. STATION	P.I. COORDINATES	DELTA	DEGREE OF CURVE	TANGENT LENGTH	LENGTH OF CURVE	RADIUS	EXTERNAL DISTANCE	e %
CURVE # 9	180+40.47	N: 1539495.24 E: 2320401.95	8°14'40"	3.11°	129.73	259.01	1800.00	4.67'	3.0%
CURVE # 10	185+30.90	N: 1539547.97 E: 2320890.03	6°42'45"	1.26°	234.57	468.61	4000.00	6.87'	2.1%
CURVE # 11	189+43.93	N: 1539544.02 E: 2321303.41	7°30'07"	5.43°	65.56	130.93	1000.00	2.15'	3.8%

PILGRIM MILL RD LINE TABLE

Course	Bearing	Distance
L8	N 83°50'04" E	126.62'
L9	S 89°27'11" E	113.26'
L10	S 81°57'04" E	38.89'



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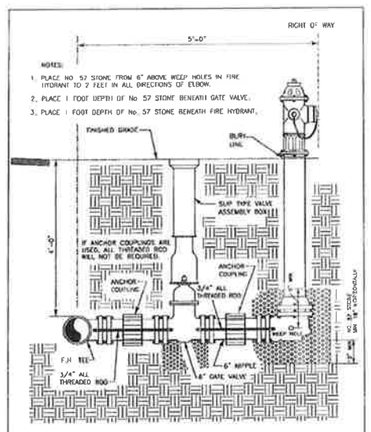
FORSYTH COUNTY

PILGRIM MILL ROAD

BRONZE OAK WAY to HOLTZCLAW RD
MAINLINE ROADWAY CONSTRUCTION PLANS

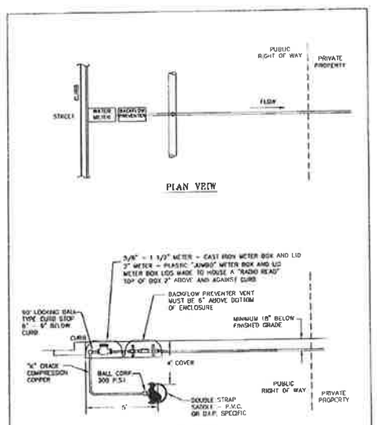
DRAWING NUMBER
13-08

STATE	PROJECT #	SHEET #	TOTAL SHEETS
GA.			



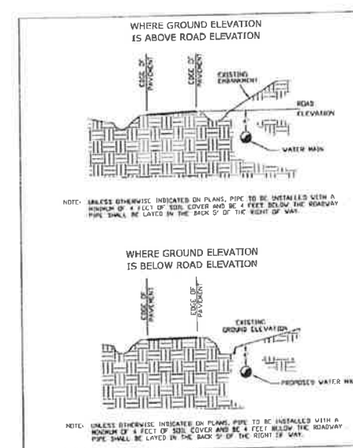
FORSYTH COUNTY DEPARTMENT OF WATER AND SEWER

DATE:	SEPT. 12, 2005	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	FIRE HYDRANT (UNCURBED STREET)	9.0
DRAWN BY:			



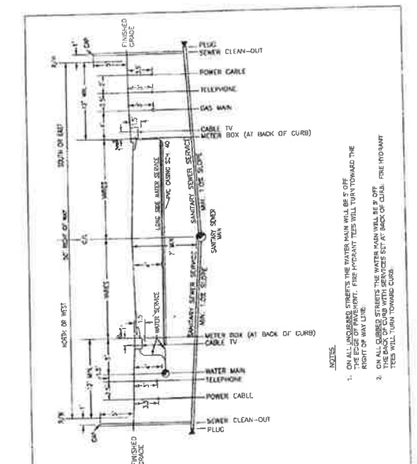
FORSYTH COUNTY DEPARTMENT OF WATER AND SEWER

DATE:	SEPT. 12, 2005	DETAIL TITLE:	DETAIL NO.
SCALE:	N.T.S.	WATER METER BOX 2" AND SMALLER	6.0
DRAWN BY:			



FORSYTH COUNTY DEPARTMENT OF WATER AND SEWER

DATE:	SEPT. 12, 2005	DETAIL TITLE:	DETAIL NO.
SCALE:	N.T.S.	PIPE DEPTH AT EDGE OF PAVEMENT	2.0
DRAWN BY:			



FORSYTH COUNTY DEPARTMENT OF WATER AND SEWER

DATE:	SEPT. 12, 2005	DETAIL TITLE:	DETAIL NO.
SCALE:	N.T.S.	UNDERGROUND UTILITIES LOCATIONS	1.0
DRAWN BY:			

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

REVISIONS

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FORSYTH COUNTY

PILGRIM MILL ROAD

BRONZE OAK WAY to HOLTZCLAW RD
UTILITY DETAILS

DRAWING NUMBER
24-11