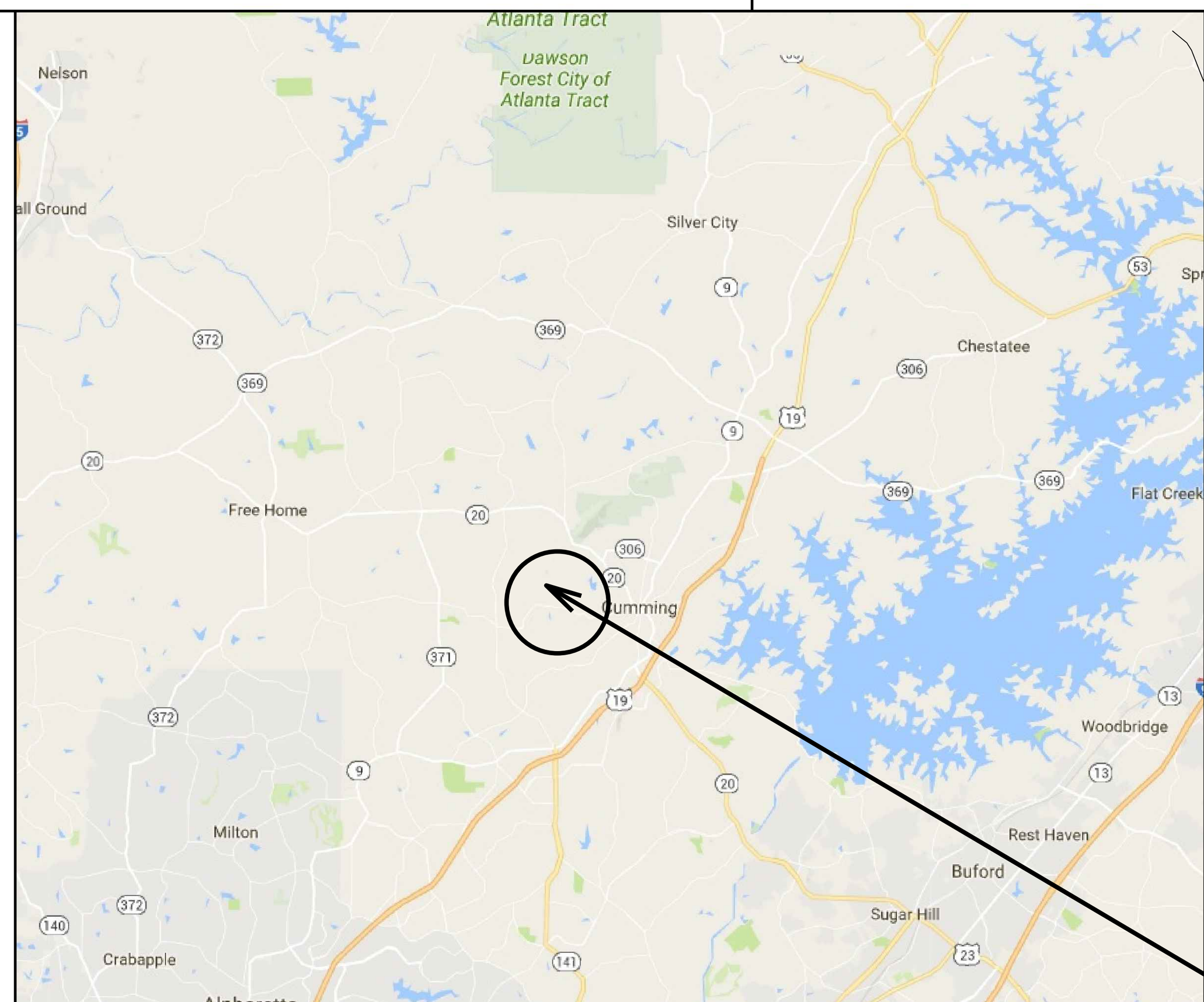
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	1	156

FORSYTH COUNTY BOARD OF COMMISSIONERS

PLAN AND PROFILE OF PROPOSED

BIG CREEK GREENWAY PHASE 5A EXTENSION

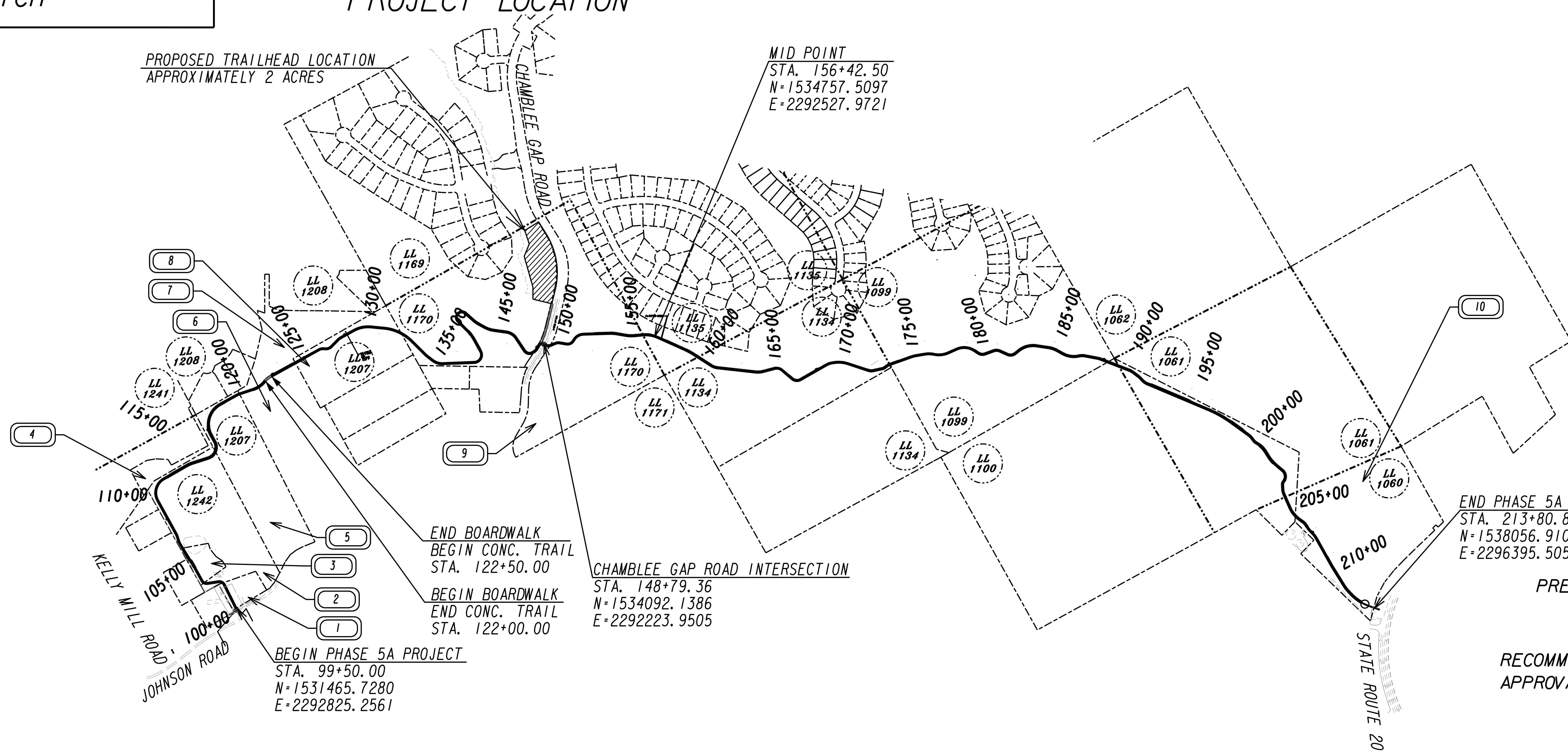


LOCATION SKETCH

PROJECT LOCATION

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.

PROJECT TO BE CONSTRUCTED AS PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS,2001 EDITION,AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND AS MODIFIED BY CONTRACT DOCUMENTS.



MID-POINT COORDINATES
STA. 156+42.50
N 1534757.5097
E 2292527.9721

THIS PROJECT IS 100% IN FORSYTH COUNTY AND IS 100% IN CONG.DIST.NO.09.

PROJECT DESIGNATION: TRAIL
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.

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 DEPARTMENT OF TRANSPORTATION IN ANY WAY.THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04,102.05,AND 104.03 OF THE SPECIFICATIONS.

LENGTH OF PROJECT	FORSYTH COUNTY No. 135 Project No. 1160354
	MILES
NET LENGTH OF CONCRETE TRAIL	2.156
NET LENGTH OF BOARDWALK TRAIL	0.009
NET LENGTH OF PROJECT	2.165
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	2.165

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, Ga. 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

SCALE IN FEET
0 500 1000 2000

PREPARED BY: ______________________
DESIGN

RECOMMENDED FOR APPROVAL BY: ______________________
DESIGN

PLANS COMPLETED	02-02-2018
REVISIONS	

DRAWING No.
01-001

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	2	156

SHEET NO.	DWG NO.	DESCRIPTION
		- CONSTRUCTION PLANS -
1	1-001	COVER SHEET
2	2-001	INDEX SHEET
3	3-001	REVISION SUMMARY
4	4-001	GENERAL NOTES
5-8	5-001 TO 5-004	TYPICAL SECTIONS
9-10	6-001	SUMMARY OF QUANTITIES
11-13	11-001 TO 11-003	CONSTRUCTION LAYOUT
14-22	13-001 TO 13-009	MAINLINE PLAN
23-30	15-001 TO 15-008	MAINLINE PROFILE
31-33	21-001 TO 21-003	DRAINAGE AREA MAP
34	22-001	DRAINAGE PROFILES
35-85	23-001 TO 23-051	CROSS SECTIONS
86-94	24-000 TO 24-008	UTILITY PLANS
95-102	26-001 TO 26-008	SIGNING AND MARKING PLANS
103-110	27-001 TO 27-008	SIGNAL PLANS
111-113	31-001 TO 31-003	WALL ENVELOPES
114	38-001	SPECIAL CONSTRUCTION DETAIL
115	50-001	EROSION COVER
116-119	51-001 TO 51-007	ESPCP GENERAL NOTES
120-126	52-001 TO 52-007	EROSION CONTROL LEGEND
127	53-001 TO 53-003	EROSION CONTROL DRAINAGE AREA MAP
128-151	54-001 TO 54-024	BMP LOCATION DETAILS
152	55-001	EROSION CONTROL WATERSHED MAP
153-158	56-001 TO 56-006	EROSION CONTROL CONSTRUCTION DETAILS

GEORGIA STANDARDS

DRAWING NO.	DESCRIPTION	DATE
1019A	DROP INLET	8/1999
1120	FLARED END SECTIONS	6/2006
1122	SAFETY END SECTIONS	1/2005
9031L	MSE WALLS	9/2016
9003	FEDERAL AID AND STATE PROJECT AID	4/2006
9100	TRAFFIC CONTROL GENERAL NOTES	3/2006
9102	TRAFFIC CONTROL DETAILS FOR LANE CLOSURE	3/2006
1029A	RIPRAP	2/1966

CONSTRUCTION DETAILS

DRAWING NO.	DESCRIPTION	DATE
A3	SPECIAL DETAILS: CONCRETE SIDEWALK/CURB CUT RAMP	9/2016
A4	SPECIAL DETAILS: DETECTABLE WARNING SURFACE	6/2009
D-24A	TEMPORARY SILT FENCE	1/2011
D-41	CONSTRUCTION EXIT	4/2016
T-03A	TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL	7/2002

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Peachtree Corners, 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

INDEX

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
02- 001

02/12/2015 GPLN

2/9/2018	1:01:16 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_03-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V8I-P0.tbl		GA	555554	3	156

DATE	SHEET NO.	REVISION

DATE	SHEET NO.	REVISION

02/12/2015 GPLN

POND

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Suite 600
Peachtree Corners, 30092
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Web www.pondco.com

REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

REVISION SUMMARY

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
03-001

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, AS MODIFIED BY CONTRACT DOCUMENTS.
2. THE ENTIRE PROJECT IS TO BE CONSIDERED TO BE WITHIN THE LIMITS OF AN INSECT-INFECTED AREA. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FOLLOWING SECTIONS OR SPECIAL PROVISIONS TO THE GDOT STANDARD SPECIFICATIONS.
   - A: SECTION 155 INSECT CONTROL
   - B: SECTION 893 MISCELLANEOUS PLANTING MATERIALS
   - C: SECTION 107.13D INSECT CONTROL REGULATIONS
3. THE CONTRACTOR'S ATTENTION IS CALLED TO GDOT SUB-SECTION 105.06, "COOPERATION WITH UTILITIES." UTILITY WORK COORDINATION WILL BE REQUIRED AS A PART OF THIS CONTRACT.

PROJECT NOTES

1. A NOTICE OF INTENT WILL BE REQUIRED FOR THIS PROJECT.
2. FILL MATERIALS SHALL CONSIST OF CLEAN SOIL FREE OF ORGANIC OR DELETERIOUS MATERIALS, ROCKS, OR BROKEN PIECES OF CONCRETE LARGER THEN 3 INCHES IN SIZE, OR ANY OTHER FOREIGN OBJECTS THAT COULD IMPEDE THE COMPACTION RESULTS. FILL MATERIALS SHALL BE SPREAD EVENLY IN 8 INCH LAYERS IN LOOSE LIFTS OVER THE FULL WIDTH OF FILL AND COMPACTED TO 95% MAXIMUM DENSITY BY THE STANDARD PROCTOR COMPACTION TEST. THE UPPER 8 INCHES OF SOIL BENEATH ALL PAVEMENTS AND BUILDING SLABS SHALL BE COMPACTED TO AT LEAST 98%.
3. GRADE TO PROVIDE POSITIVE DRAINAGE INTO STORM DRAINAGE STRUCTURES OR EXISTING DITCHES/STREAMS.
4. CONTRACTOR TO MAINTAIN ALL STORM DRAINAGE STRUCTURES DURING THE COURSE OF CONSTRUCTION.
5. ALL NON-PAVED DISTURBED AREAS SHALL BE SEEDED WITH A MATERIAL SUITABLE TO THE SEASON AND MAINTAINED UNTIL STABILIZATION.
6. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED.
7. ANY DAMAGE CAUSED BY THE CONTRACTOR'S MEN OR EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND COST TO REPAIR PER OWNER'S SPECIFICATIONS AND REQUIREMENTS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAULING OFF AND DISPOSING OF ANY DEBRIS TO AN APPROVED STATE LICENSED LANDFILL.
9. EXISTING TREES THAT ARE TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY INSTALLATION OF BARRIER FENCE. PAYMENT INCLUDED IN LUMP SUM GRADING ITEM.
10. WHERE NECESSARY, THE CONTRACTOR SHALL PROVIDE SHORING OR OTHER APPROVED METHOD IN ORDER TO MAKE THE WORK AREA ABSOLUTELY STABLE AND SAFE.
11. ALL WORK PERFORMED BY THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.
12. TOP OF ALL EXISTING STRUCTURES THAT ARE TO REMAIN WITHIN THE AREA REQUIRING REGRADING OR WORK SHALL BE RAISED OR LOWERED AS REQUIRED TO MEET NEW GRADES. PRIOR TO ANY ADJUSTMENT, THE CONTRACTOR SHALL COORDINATE SUCH WORK WITH THE UTILITY OWNER.
13. ALL AREAS TO RECEIVE FILL FOR EMBANKMENT SHALL BE CLEARED AND GRUBBED.
14. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE SCHEDULE AND SEQUENCE OF CONSTRUCTION ACTIVITIES PRIOR TO BEGINNING WORK.
15. ANY REFERENCE TO A CODE OR STANDARD SHALL BE UNDERSTOOD TO REFER TO THE LATEST EDITION AND / OR REVISION OF THAT CODE OR STANDARD UNLESS OTHERWISE NOTED.
16. CONTRACTOR SHALL REMOVE TRASH, DEBRIS, EXCESS CONCRETE, AND AGGREGATE MATERIAL BEFORE BACKFILLING AND FINE GRADING.
17. CONTRACTOR SHALL CONTACT ENGINEER FOR APPROVAL OF GRADES AND WORK ITEMS PRIOR TO PAVING & GRASSING OPERATIONS.
18. WHERE EXISTING CONDITIONS ARE SHOWN. THEY HAVE BEEN DERIVED FROM THE BEST AVAILABLE INFORMATION AND REPRESENT THE ENGINEER'S BEST ESTIMATE OF EXISTING CONDITIONS. DEPICTED EXISTING CONDITIONS HAVE NOT IN ALL CASES BEEN CORROBORATED BY FIELD INVESTIGATIONS. CONTRACTOR SHALL EXAMINE AREAS FOR CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED AND REPORT IN WRITING TO THE COUNTY ALL CONDITIONS CONTRARY TO THOSE SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN AND ALL OTHER CONDITIONS THAT WILL AFFECT SATISFACTORY EXECUTION OF THE WORK. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
19. CONTRACTOR MUST PROVIDE AND USE A TRASH RECEPTACLE AT ALL WORKSITES. TRASH RECEPTACLE MUST BE EMPTIED AT LEAST ONCE A WEEK. CONTRACTOR REQUIRED TO PROVIDE AND MAINTAIN TEMPORARY TOILET FACILITIES.
20. EXCESS EXCAVATED EARTH WILL BE SPREAD WITHIN THE PATH CORRIDORS AS DIRECTED BY THE ENGINEER. ALL DISTURBED AREAS WITHIN THE PATH CORRIDOR SHALL BE GRADED AND GRASSED AS SPECIFIED.
21. STARTING WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. AFTER SUCH ACCEPTANCE THE CONTRACTOR SHALL AT HIS EXPENSE, BE RESPONSIBLE FOR CORRECTING ALL UNSATISFACTORY AND DEFECTIVE WORK RESULTING FROM SUCH UNSATISFACTORY CONDITIONS.
22. ALL DIMENSIONS AND DETAILS OF EXISTING CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FIELD MEASURED AND VERIFIED BEFORE PROCEEDING. NECESSARY FIELD CHECKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
23. THE CONTRACTOR WARRANTS THAT HIS EMPLOYEES, AGENTS AND SUBCONTRACTORS POSSESS THE EXPERIENCE, KNOWLEDGE AND CHARACTER NECESSARY TO QUALIFY THEM INDIVIDUALLY FOR THE PARTICULAR CONSTRUCTION TECHNIQUES THEY PERFORM UNDER THIS CONTRACT. THE CONTRACTOR SHALL INSURE THAT ALL CONSTRUCTION BE PERFORMED IN STRICT COMPLIANCE WITH OSHA, STATE HEALTH AND SAFETY CODES..
24. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND EROSION. SUFFICIENT LIGHTS, SIGNS AND TRAFFIC CONTROL METHODS SHALL BE INSTALLED FOR THE PROTECTION AND SAFETY OF THE PUBLIC AND MAINTAINED AS NECESSARY THROUGHOUT THE CONSTRUCTION PROCESS OF THE PROJECT.
25. LOCATION OF ALL CONSTRUCTION ITEMS SHALL BE FIELD VERIFIED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO PLACEMENT.
26. ALL DRIVEWAYS, WHERE ACCESS IS ALLOWED, SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH RULES AND REGULATIONS FOR CONTROL AND PROTECTION OF FORSYTH COUNTY DEPARTMENT OF TRANSPORTATION RIGHTS-OF-WAY. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED, IN KIND, I.E., ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND AGGEGATE SURFACE COURSE FOR EARTH. THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH THE RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WIDTH AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. WHERE REQUIRED, THE DRIVES SHALL BE PAVED AS FOLLOWS:

ASPHALTIC AND UNPAVED DRIVES SHALL BE PAVED TO THEIR CONSTRUCTION LIMITS.
- RESIDENTIAL - RECYCLED ASPHALTIC CONCRETE 9.5 MM SUPERPAVE, GP 2 ONLY, INCL. BITUM MAT'L & LIME - 1-1/2 INCH GRADED AGGREGATE BASE, 6 INCH
- COMMERCIAL - RECYCLED ASPHALTIC CONCRETE 9.5 MM SUPERPAVE, GP 2 ONLY, INCL. BITUM MAT'L & H. LIME - 1-1/2 INCH RECYCLED ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2, INCL. BITUM MAT'L & H. LIME - 2 INCH GRADED AGGREGATE BASE, 8 INCH

CONCRETE DRIVES
- RESIDENTIAL - CONCRETE VALLEY GUTTER, 6 INCH CONCRETE DRIVEWAY, 6 INCH
- COMMERCIAL - CONCRETE VALLEY GUTTER, 8 INCH CONCRETE DRIVEWAY, 8 INCH

MULTI-USE PATH NOTES

1. CONTRACTOR ASSUMES THE RESPONSIBILITY FOR PROVIDING SMOOTH HORIZONTAL AND VERTICAL CURVATURE ON PATH SEGMENTS. PATH SEGMENTS WITH WAVY EDGES, HUMPS AND / OR DIPS WILL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.
2. GRADING ASSOCIATED WITH THE PROPOSED PATH MUST BE CONSTRUCTED WITHIN THE PROJECT EASEMENTS, AS SHOWN ON THE CONSTRUCTION PLANS. THE PATH AND ALL PATH FIXTURES (I.E. SIGNS HANDRAILS, WALLS, ETC.) MUST BE LOCATED WITHIN THE 20' RIGHT OF WAY. ANY PROPOSED CHANGES TO THE PATH ALIGNMENTS MUST MEET CURRENT AASHTO BICYCLE DESIGN GUIDELINES AND MUST BE APPROVED BY PROJECT ENGINEER IN ADVANCE OF CONSTRUCTION.
3. CONTRACTOR SHALL STAKE THE PATH CENTELINE AND RIGHT OF WAY PRIOR TO THE INSTALLATION OF THE PATH. RIGHT OF WAY STAKING SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.

(6) PIPE CULVERT MATERIAL ALTERNATIVES:

TYPE OF PIPE INSTALLATION	CONCRETE	CORRUGATED STEEL AASHTO M-36 *		CORRU-GATED ALUMINUM AASHTO M-196	PLASTIC		
		ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY-ETHYLENE AASHTO M-252	CORR. POLY-ETHYLENE SMOOTH LINED AASHTO M-294 (TYPE S)	POLY VINYL CHLORIDE SMOOTH PROFILE WALL AASHTO M-304
STORM DRAIN	X	X	X	X		X	X
PERMANENT SLOPE DRAIN		X	X	X		X	X

* ONLY FOR SIZES 42" AND GREATER

NOTE:
1.) All materials are indicated by an "X".
2.) Structuralrequirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P, whichever is applicable, and the Standard Specifications.

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
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Fax 678-336-7744
Web www.pondco.com

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

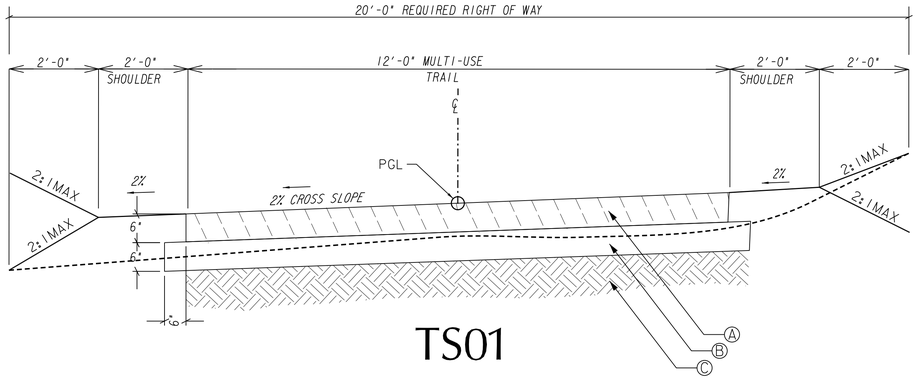
OFFICE:

GENERAL NOTES

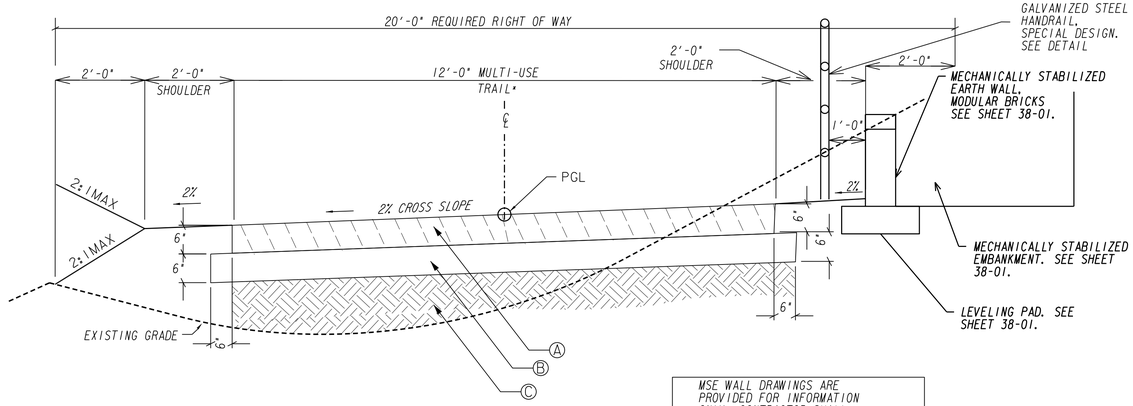
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 04-001

02/12/2015 GPLN

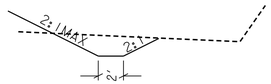


TS01

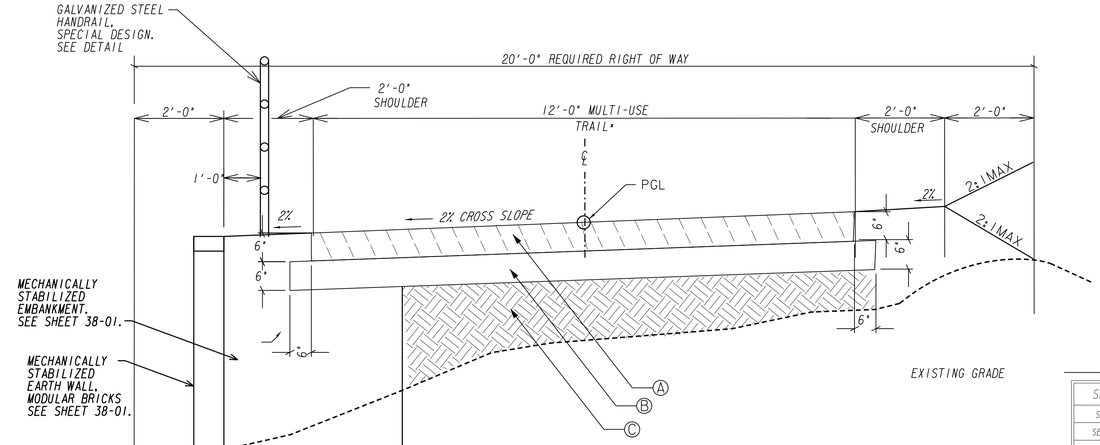


TS03

MSE WALL DRAWINGS ARE PROVIDED FOR INFORMATION ONLY. CONTRACTOR SHALL DESIGN AND BUILD WALLS THAT MEET GDOT STANDARD SPECIFICATION 627 AND REMAIN WITHIN THE 20'-0" REQUIRED RIGHT OF WAY



DITCH DETAIL



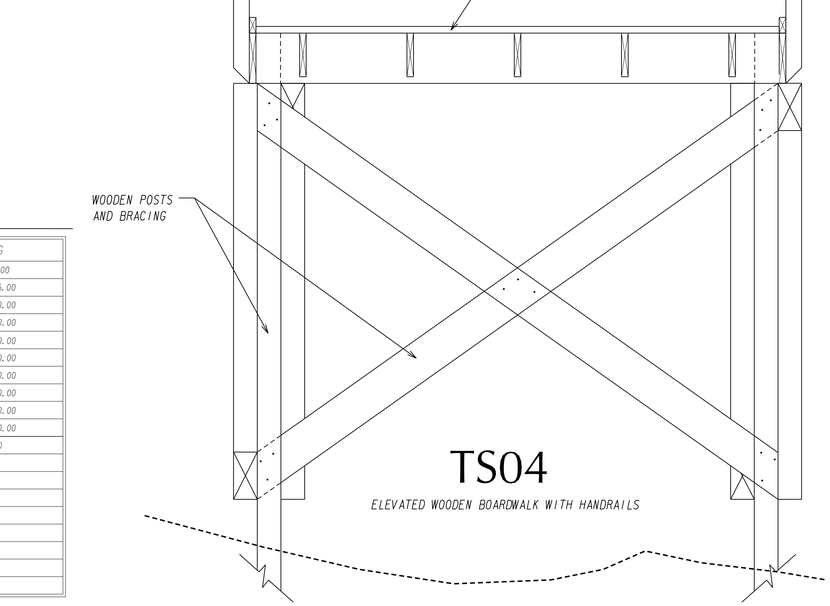
TS02

MSE WALL DRAWINGS ARE PROVIDED FOR INFORMATION ONLY. CONTRACTOR SHALL DESIGN AND BUILD WALLS THAT MEET GDOT STANDARD SPECIFICATION 627 AND REMAIN WITHIN THE 20'-0" REQUIRED RIGHT OF WAY

Ⓐ - CONCRETE SIDEWALK - 6 IN THICK
Ⓑ - GRADED AGGREGATE OR STABILIZED BASE CRS - 6 IN THICK
Ⓒ - COMPACTED SUBGRADE

TYPICAL SECTION STATIONING TABLE

SECTION	STATIONING
SECTION 1	BEGIN TO 105+00.00
SECTION 2	105+00.00 TO 106+55.00
SECTION 1	106+55.00 TO 122+00.00
SECTION 4	122+00.00 TO 122+50.00
SECTION 1	122+50.00 TO 191+70.00
SECTION 2	191+70.00 TO 194+50.00
SECTION 1	194+50.00 TO 197+50.00
SECTION 2	197+50.00 TO 198+50.00
SECTION 1	198+50.00 TO 200+00.00
SECTION 3	200+00.00 TO 201+50.00
SECTION 1	201+50.00 TO END



TS04

ELEVATED WOODEN BOARDWALK WITH HANDRAILS

POND
3500 Parkway Lane
Suite 600
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REVISION DATES

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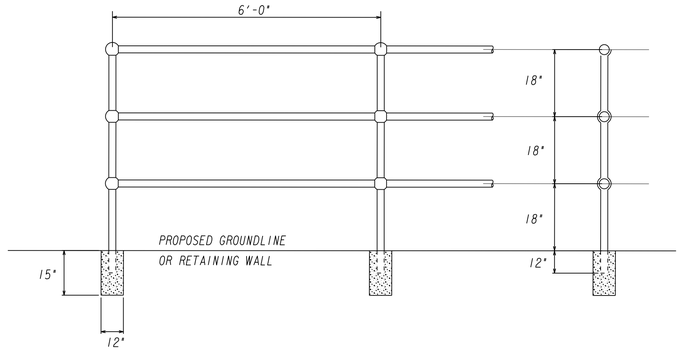
TYPICAL SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
05-001



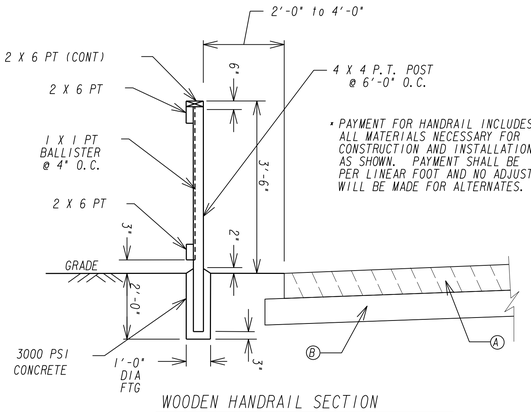
NOTE: PIPE, PIPE FITTINGS, FLOOR FLANGES AND BOLTS SHALL BE OF AN APPROVED STANDARD TYPE.

1. JOINTS --
   A) STANDARD OR SPECIAL GALVANIZED STEEL OR GALVANIZED IRON FITTINGS MAY BE USED AT JOINTS.
   -- OR --
   B) JOINTS MAY BE WELDED. IF WELDED, ALL EXPOSED JOINTS SHALL BE FINISHED BY GRINDING OR FILLING TO GIVE A NEAT APPEARANCE. ALL DAMAGE TO GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH THE GA. STANDARD SPECIFICATIONS.

2. FOOTINGS --
   A) POST MAY BE ANCHORED WITH 2-1/2" x 6-1/2" GALVANIZED. FLOOR FLANGES WITH 4-1/2" x 9" GALVANIZED BOLTS.
   -- OR --
   B) POST MAY BE GROUTED IN 6" DEEP, 3" DIAM HOLE. TOTAL LENGTH OF POST WILL BE 6' GREATER THAN THAT IN DETAILS TO GIVE SOME USEABLE HEIGHT AS IF FLOOR FLANGES WERE USED (AS SHOWN).

3. I.9" (GALV. STEEL PIPE) DENOTES O.D. FOR RAIL SECTIONS.
   I.D. = 1-1/2"

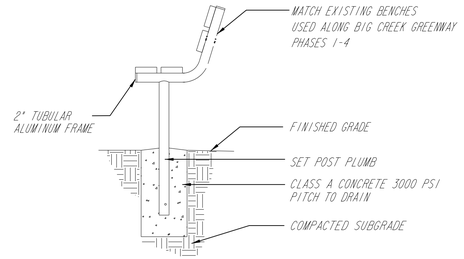
PIPE HANDRAIL DETAIL
N.T.S



* PAYMENT FOR HANDRAIL INCLUDES ALL MATERIALS NECESSARY FOR CONSTRUCTION AND INSTALLATION AS SHOWN. PAYMENT SHALL BE PER LINEAR FOOT AND NO ADJUSTMENTS WILL BE MADE FOR ALTERNATES.

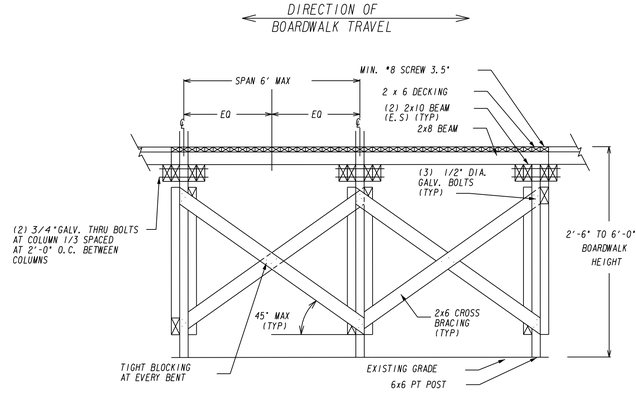
WOODEN HANDRAIL SECTION
TYPICAL CONCRETE MULTI - USE TRAIL WITH HAND RAIL FOR STEEP GRADES

Ⓐ - CONCRETE SIDEWALK - 6 IN THICK
Ⓑ - GRADED AGGREGATE OR STABILIZED BASE CRS - 6 IN THICK
Ⓒ - COMPACTED SUBGRADE
Ⓓ - CONC. CURB & GUTTER, 6" X 24" TP2



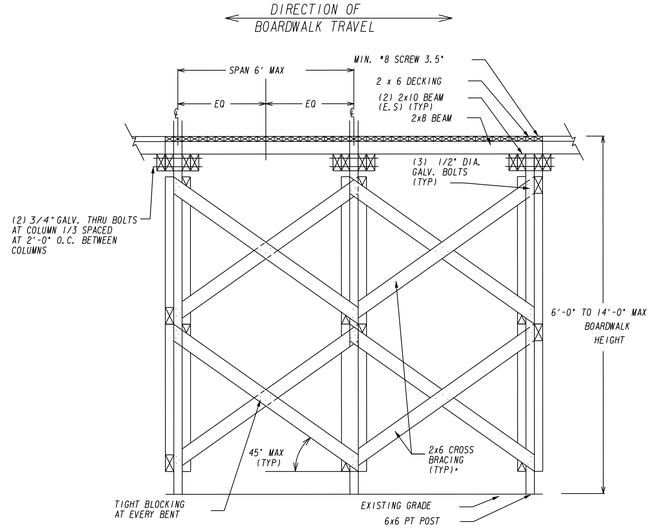
1. INGROUND BENCH
   RELIABLE SEATING INC.
   MODEL: *ACBP 270R
   CONTACT: 800-239-4892
2. VISIONS INNOVATED PRODUCTS, INC.
   MFG. WEBCOAT PRODUCTS
   MODEL: B15WBRCS
   CONTACT: 800-505-5101
   OR APPROVED EQUAL

BENCH DETAIL



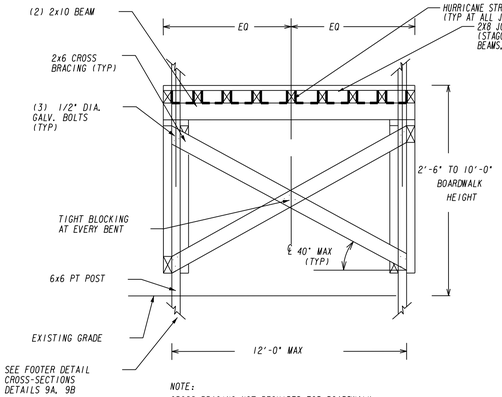
NOTE:
CROSS BRACING NOT REQUIRED FOR BOARDWALK ELEVATIONS LESS THAN 30°.

(1) LONGITUDINAL CROSS SECTION 2'-6" TO 6'-0" HIGH
N.T.S.



NOTE:
CROSS BRACING NOT REQUIRED FOR BOARDWALK ELEVATIONS LESS THAN 30°.

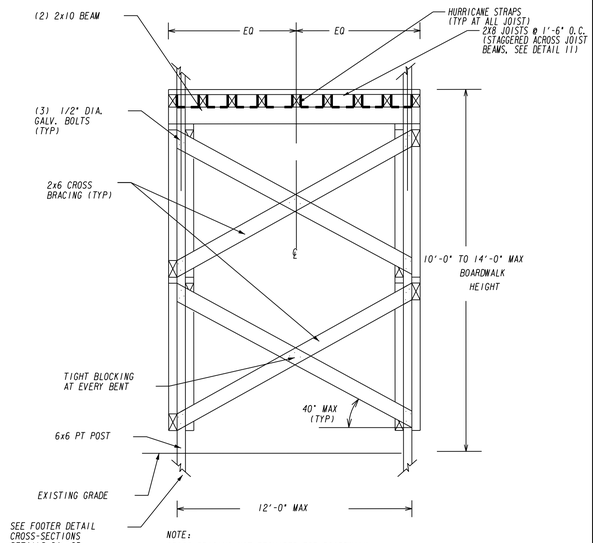
(1A) LONGITUDINAL CROSS SECTION 6'-0" TO 14'-0" HIGH
N.T.S.



NOTE:
CROSS BRACING NOT REQUIRED FOR BOARDWALK ELEVATIONS LESS THAN 30°.

(2) CROSS-SECTION 2'-6" TO 10'-0" HIGH
N.T.S.

NOTES:
1. REFER TO FOOTER DETAIL CROSS SECTION DETAILS 9A, 9B
2. REFER TO 5, 6 FOR DECKBOARD DETAILS
3. REFER TO 7 FOR DESIGN NOTES FOR BOARDWALK RAMPS.



NOTE:
CROSS BRACING NOT REQUIRED FOR BOARDWALK ELEVATIONS LESS THAN 30°.

(2A) CROSS-SECTION 10'-0" TO 14'-0" HIGH
N.T.S.

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
Phone 678-336-7740
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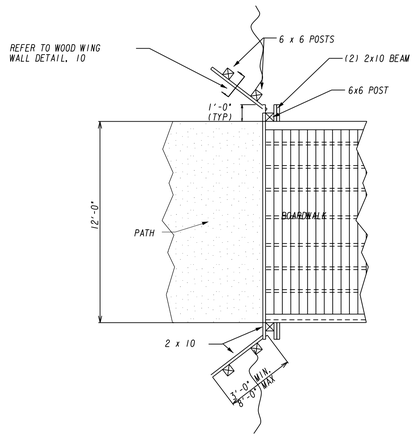
REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS
OFFICE:

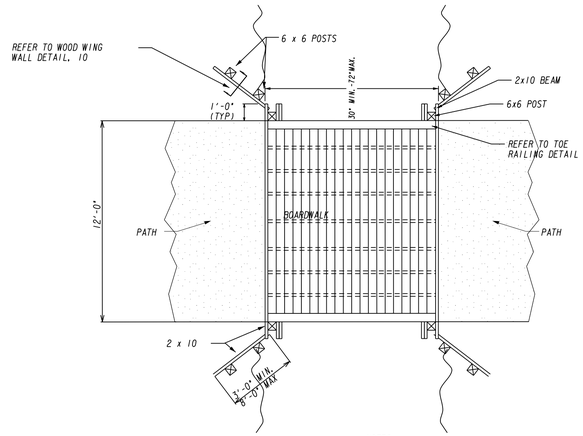
TYPICAL SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 05-002



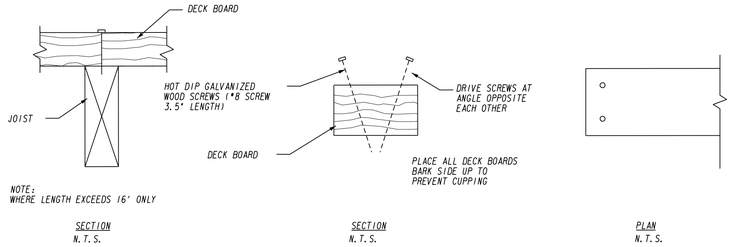
3 12' PATH AT BOARDWALK
N.T.S.



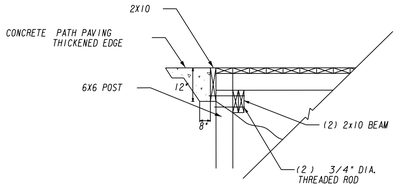
NOTES:
BOARDWALK LIVE LOAD TO BE 110 PSF

AS REQUIRED BY FIELD CONDITIONS & AS DIRECTED BY PROJECT ENGINEER

4 BOARDWALK AT DRAINAGE SWALE
N.T.S.



5 DECKBOARD
N.T.S.

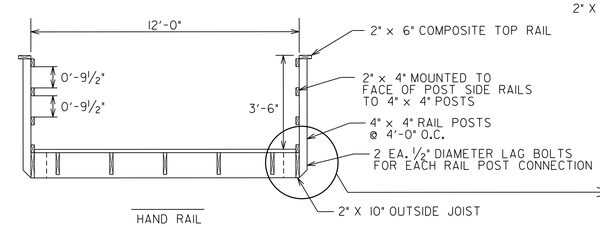


6 TYP SECTION: CONCRETE PATH AT BOARDWALK
N.T.S.

CONSTUCTION NOTES:
1. FOUNDATION DESIGN IS BASED ON AN ASSUMED ALLOWABLE BEARING PRESSURE OF 3000 PSF
2. ALL POSTS AND BEAMS SHALL BE 0.4 PRESSURE TREATED NO. 2 GRADE.
3. ALL WOOD MEMBERS SHALL BE 0.4 PRESSURE TREATED. NO. 2 GRADE
4. BOARDWALK SHALL BE DESIGNED FOR A PEDESTRIAN LIVE LOAD OF 110 PSF & A 5000 LB AXLE LOAD.
5. ALL HARDWARE TO BE HOT DIPPED GALVANIZED.
6. MANUFACTURER SHALL PROVIDE 10 YR WARRANTY ON ALL PRESSURE TREATED LUMBER.

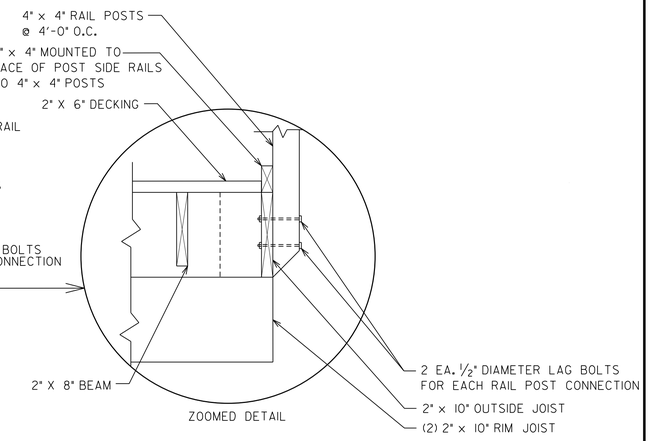
GENERAL NOTES:
1. CONTRACTOR TO VERIFY EXACT DIMENSIONS, ELEVATIONS, AND LOCATION FOR THE FOUNDATION.
2. PAYMENT FOR BOARDWALK INCLUDES ALL MATERIAL NECESSARY FOR CONSTRUCTION AND INSTALLATION AS SHOWN. PAYMENT SHALL BE PER LINEAR FOOT OF BOARDWALK CONSTRUCTED AND NO ADJUSTMENTS WILL BE MADE FOR ALTERNATES.

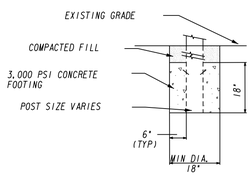
7 DESIGN NOTES FOR BOARDWALK
N.T.S.



NOTE: FOR BOARDWALK ELEVATIONS GREATER THAN 30" USE HAND RAILING ON BOTH SIDES FOR BOARDWALK ELEVATIONS LESS THAN 30" USE TOE RAIL ON BOTH SIDES.

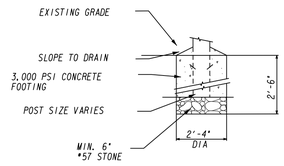
8 RAILING DETAIL
N.T.S.





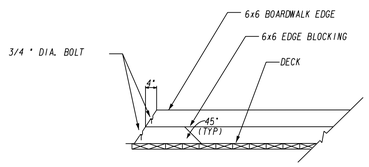
FOOTER DETAIL CROSS SECTION (FOR DRY UPLAND AREAS ONLY)

9A FOOTER DETAIL
N.T.S.

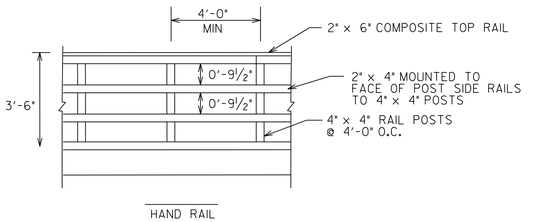


ANCHOR FOOTER DETAIL CROSS SECTION (FOR FLOOD AREAS ONLY)

9B ANCHOR FOOTER DETAIL
N.T.S.



TOE RAIL



HAND RAIL

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

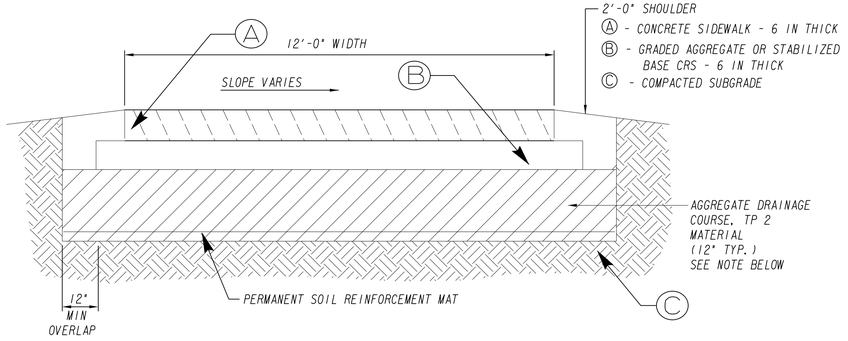
OFFICE:

TYPICAL SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
05-003

02/12/2015 GPLN

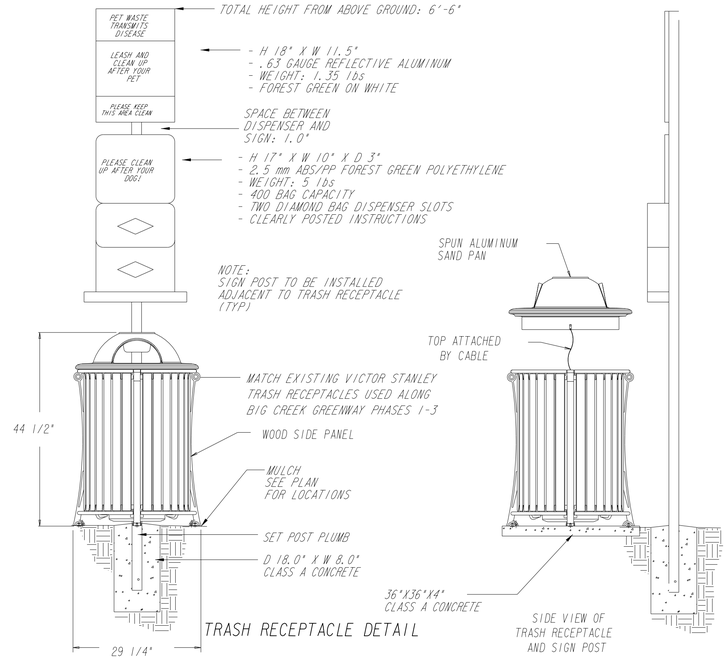


NOTES:

1. ADDITIONAL GRAVEL STABILIZATION LAYER SHALL BE TYPICALLY INSTALLED AS AN UNCOMPACTED BRIDGE LIFT OVER GEOGRID LAYER FOR SUBGRADE IMPROVEMENT.

TYPICAL SOIL STABILIZATION

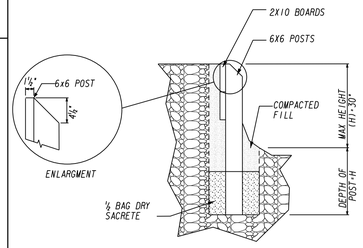
FOR CONCRETE PATH
(AS DIRECTED BY ENGINEER)



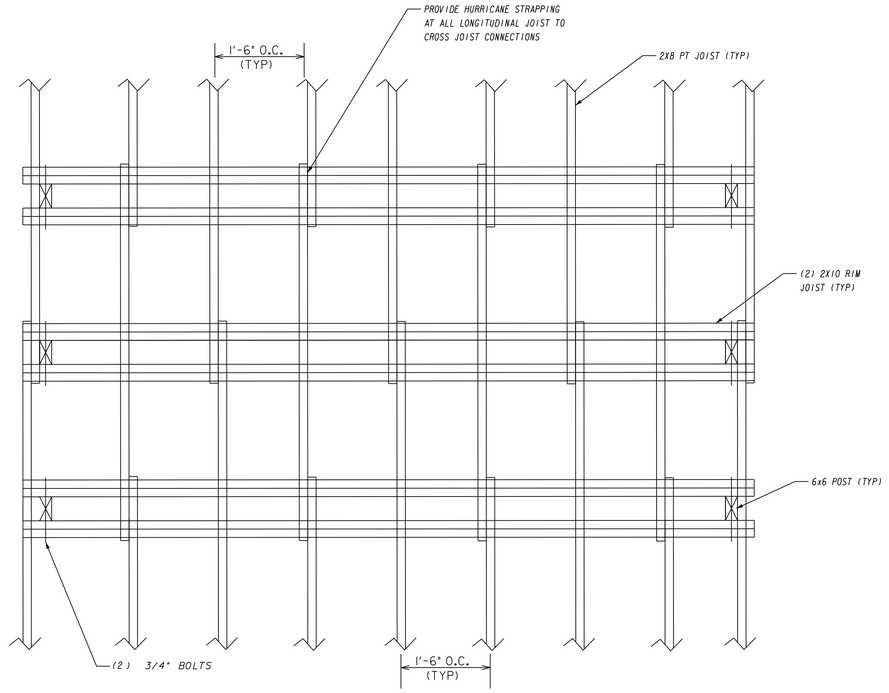
TRASH RECEPTACLE DETAIL

1. Landscape forms
431 LAWNDALE AVE.
KALAMAZOO, MI 49048
PHONE: 800-521-2546
FAX: 269-381-3455

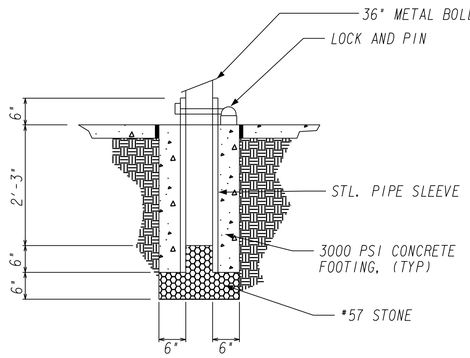
2. VICTOR STANLEY, INC.
2103 BRICKHOUSE RD.
DUNKIRK, MARYLAND 20754
MODEL: PS-535
CONTACT:800-368-2573
OR APPROVED EQUAL



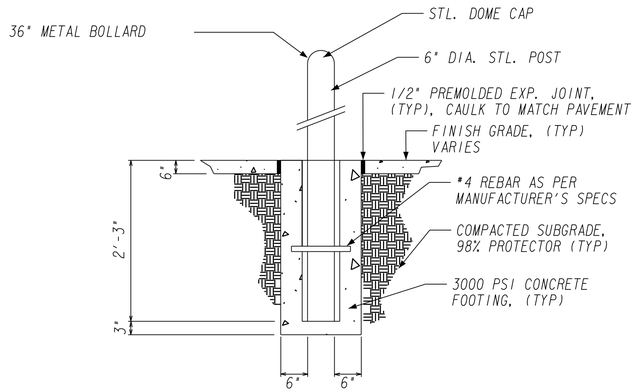
10 WOOD WING DETAIL
N.T.S.



11 JOIST STAGGERING DETAIL
N.T.S.



SECTION: REMOVABLE BOLLARD



SECTION: BOLLARD

12 TYPICAL BOLLARD DETAIL
N.T.S.

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
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REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

TYPICAL SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
05-004

02/12/2015 GPLN

TRAIL QUANTITIES

LOCATION		GRADED AGGR BASE COURSE 6 IN. INCLUDING MAT'L	CONCRETE TRAIL, 6 IN	BOARDWALK 12 FT. WIDE GREATER THAN 30 IN. HT.
FROM STA	TO STA	TN	SY	LF
100+00.00	122+00.00	1050	2970	
122+00.00	122+50.00			50
122+50.00	148+51.95	1250	3515	
149+00.00	212+70.82	3050	8615	
212+70.82	213+35.00	85	250	
TOTAL		5435	15350	50

BENCH/ TRASH RECEPTACLE*

LOCATION- STA	SIDE	BENCH (EA)	TRASH RECEPTACLE (EA)	MULCH (SY)
108+10.00	LT	1	1	6.00
116+60.00	LT	1	1	6.00
122+60.00	LT	1	1	6.00
128+10.00	LT	1	1	6.00
148+10.00	LT	1	1	6.00
168+10.00	LT	1	1	6.00
188+10.00	LT	1	1	6.00
207+10.00	LT	1	1	6.00
TOTAL		8	8	48

* INCLUDES ALL MATERIAL, HARDWARE AND INSTALLATION

MODULAR BLOCK RETAINING WALL - TOTAL RETAINING WALL

LOCATION	MSE WALL FACE (SF)	COPING, A
105+00.00 TO 106+55.00	1278	155
191+70.00 TO 194+50.00	3683	280
197+50.00 TO 198+50.00	857	100
200+00.00 TO 201+50.00	901	150
TOTAL	6719	685

NOTE: QUANTITY FOR MODULAR BLOCK RETAINING WALL INCLUDES ALL COST REQUIRED TO DESIGN AND BUILD WALLS THAT MEET GDOT STANDARD SPECIFICATION 627.

GRASSING

ITEM	UNIT	QUANTITY	AGRICULTURAL LIME TON	FERTILIZER MIXED GRADE TON	FERTILIZER NITROGEN CONTENT LB	MULCH TON
TEMPORARY GRASSING	ACRE	7	7	6	350	139
PERMANENT GRASSING	ACRE	7				

PAINT STRIPING

DESCRIPTION	UNIT	QUANTITY
4 IN SOLID WHITE	LF	12116
8 IN WHITE THERMO	LF	1922
YIELD BAR	LF	60
24 IN SOLID WHITE	LF	442
5 IN SOLID YELLOW	LF	104
REMOVE EXISTING STRIPING	LF	104

GALVANIZED STEEL PIPE HANDRAIL
SEE DETAIL ON SHEET 5-02

LOCATION- STA TO STA	SIDE	LF
105+00.00 TO 106+55.00	LT	155
191+70.00 TO 194+50.00	LT	280
197+50.00 TO 198+50.00	LT	100
200+00.00 TO 201+50.00	RT	150
TOTAL		685

SOIL STABILIZATION
AS DIRECTED BY ENGINEER

ITEM	UNIT	QUANTITY
AGGREGATE DRAINAGE COURSE, TP 2	TN	650

STRUCTURE NUMBER	LOCATION	FEET STORM DRAIN 18" HI-10	SAFETY END SECTION (STORM DRAIN) EA SIZE	FLARED END SECTION, (STORM DRAIN) EA SIZE	DROP INLET GA STD. 9035S EA
A-0	104+95.00	44	1 18	1 18	
A-3	111+26.72	42		1 18	1
TOTAL		86	1	2	1

CONSTRUCTION ALLOWANCE
1 LS

CONSTRUCTION EXITS
2 EA

MAINTENANCE OF CONSTRUCTION EXITS
2 EA

PLASTIC FIBER FABRIC
8 SY

STN DUMPED RIP RAP, TP3, 18IN
8 SY

TEMPORARY SILT FENCE, TYPE A
8460 LF

MAINTENANCE OF TEMPORARY SILT FENCE, TP A
4230 LF

TEMPORARY SILT FENCE, TYPE C
2740 LF

MAINTENANCE OF TEMPORARY SILT FENCE, TP C
1370 LF

TRAFFIC CONTROL
1 LS

GRADING COMPLETE
1 LS

EROSION CONTROL MATS, SLOPES
26394 SY

WATER QUALITY INSPECTIONS
12 MO

WATER QUALITY MONITORING AND SAMPLING
2 EA

CONSTRUCT AND REMOVE RIP RAP CHECK DAM
44 EA

MAINTENANCE OF RIP RAP CHECK DAM
44 EA

FLASHING BEACON QUANTITIES
SEE SHEETS 27-005 & 27-008

WOOD HANDRAIL*
SEE DETAIL ON SHEET 5-02

LOCATION- STA TO STA	SIDE	LF
104+40.00 TO 105+00.00	RT	49
104+50.00 TO 105+00.00	LT	62
111+35.00 TO 119+00.00	RT	765
111+70.00 TO 116+90.00	LT	522
121+00.00 TO 125+00.00	RT	355
121+90.00 TO 124+20.00	LT	190
138+70.00 TO 140+20.00	RT	153
141+90.00 TO 148+50.00	LT	664
149+00.00 TO 149+20.00	LT	15
152+40.00 TO 156+20.00	LT	382
157+20.00 TO 165+00.00	LT	776
166+00.00 TO 168+40.00	LT	241
171+70.00 TO 173+90.00	LT	215
179+60.00 TO 191+70.00	LT	1271
194+50.00 TO 197+50.00	LT	302
198+50.00 TO 206+70.00	LT	823
209+00.00 TO 213+37.00	LT	453
TOTAL		7238

* INCLUDES ALL MATERIAL, HARDWARE AND INSTALLATION

SIGNS

STATION	INSTL. NO.	SIGN CODE	TP 1 MATL. REFL SHEETING TP 3 SIZE	QUANTITY	SQUARE FEET	TP 1 MATL. REFL SHEETING TP 9 SIZE	QUANTITY	SQUARE FEET	SQUARE TUBE POST TYPE 7 LENGTH (FT)
99+71.50	1	W11-2				30X30	1	6.25	13.5
		W16-9P				24X12	1	2	
100+08.00	2	W11-2				30X30	1	6.25	13.5
		W16-9P				24X12	1	2	
100+13.00	3	R1-1	18X18	1	2.25				13
100+25.00	4	W7-1A				18X18	1	2.25	13
101+00.00	5	W1-3L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
104+50.00	6	W1-3L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
109+00.00	7	W1-1R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
112+00.00	8	W1-2L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
113+50.00	9	W1-3L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
115+72.00	10	W1-2R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
116+20.00	11	W1-2R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
119+00.00	12	R2-1	18X24	1	3				12
119+50.00	13	W1-2L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
122+00.00	14	R-SPECIAL	18X18	2	4.5				11.5
122+50.00	15	R-SPECIAL	18X18	2	4.5				11.5
125+05.00	16	W1-5L				18X18	1	2.25	13
126+00.00	17	R2-1	18X24	1	3				12
128+00.00	18	W1-2R				18X18	1	2.25	13
132+92.00	19	W7-1A				18X18	1	2.25	13
134+00.00	20	W1-2L				18X18	2	4.50	13
		W13-1P				18X18	2	4.50	
137+00.00	21	W1-1L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
139+50.00	22	W1-1R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
140+50.00	23	W1-1R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
143+00.00	24	W1-1L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
146+56.00	25	W1-2L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
148+44.00	26	R1-1	18X18	1	2.25				13.5
148+87.50	27	W11-2				30X30	1	6.25	13.5
		W16-9P				24X12	1	2	
148+90.00	28	W14-2				18X18	1	2.25	13
148+95.50	29	W11-2				30X30	1	6.25	13.5
		W16-9P				24X12	1	2	
149+04.00	30	R1-1	18X18	1	2.25				13
149+20.00	31	W1-5R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
152+20.00	32	W1-5R				18X18	1	2.25	13
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		W13-1P				18X18	1	2.25	
162+00.00	34	W7-1A				18X18	1	2.25	13
163+00.00	35	W1-5L				18X18	1	2.25	13
169+00.00	36	W7-1A				18X18	1	2.25	13
172+00.00	37	R2-1	18X24	1	3				12
172+00.00	38	W1-5R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
175+50.00	39	W1-5R				18X18	1	2.25	13
180+00.00	40	W1-5R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
180+00.00	41	W1-5L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
184+00.00	42	W1-5L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
184+00.00	43	W1-5R				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
188+00.00	44	W1-5L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
194+00.00	45	R2-1	18X24	1	3				12
196+00.00	46	W7-1A				18X18	1	2.25	12
197+00.00	47	R2-1	18X24	1	3				12
201+00.00	48	W1-5L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
205+00.00	49	W7-1A				18X18	1	2.25	13
207+00.00	50	R2-1	18X24	1	3				12
207+00.00	51	W1-5L				18X18	1	2.25	13
		W13-1P				18X18	1	2.25	
210+00.00	52	R2-1	18X24	1	3				12
TOTAL				14	36.75		71	174.75	667.5

POND
3500 Parkway Lane
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REVISION DATES

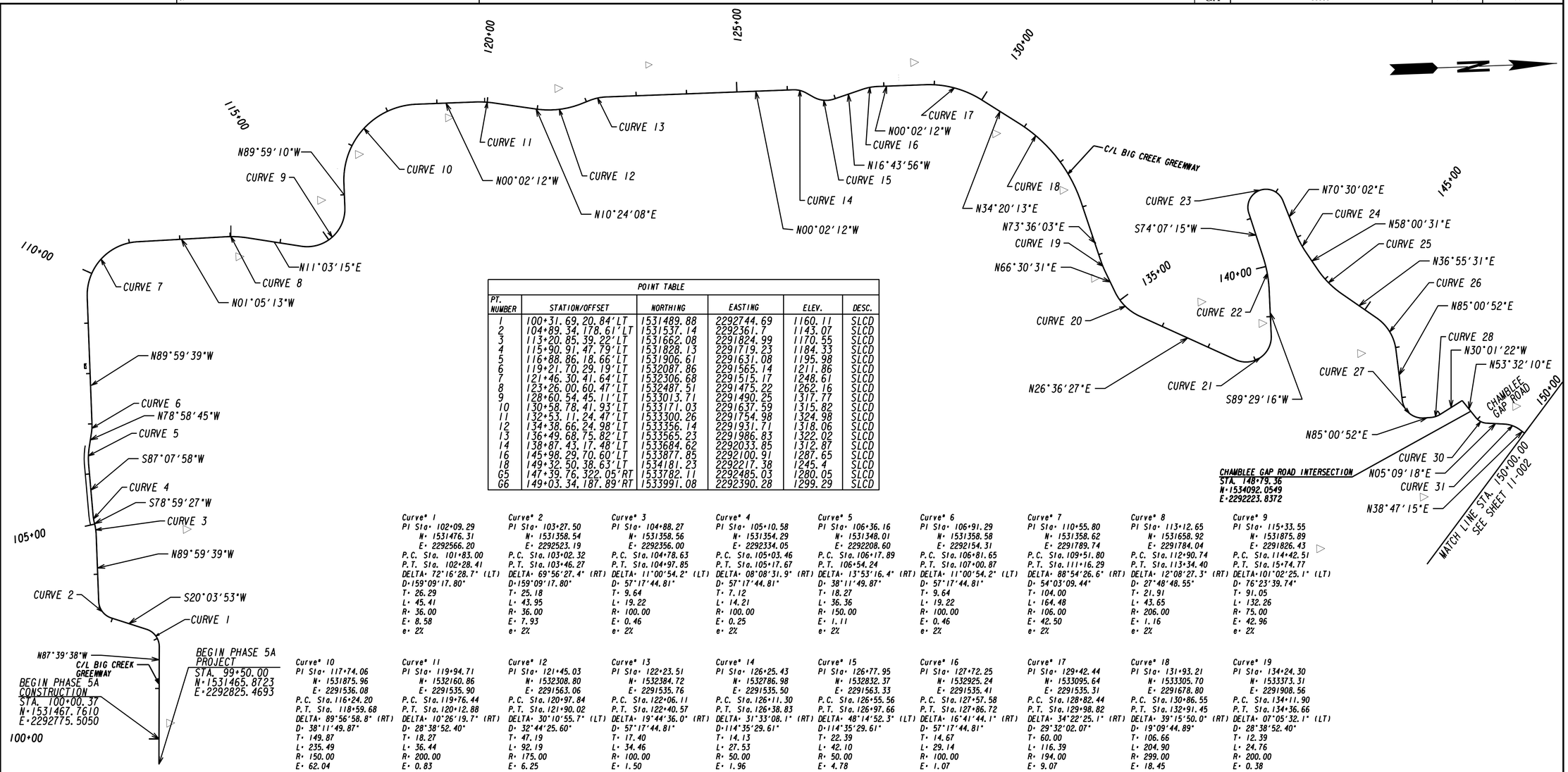
FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SUMMARY QUANTITIES

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 06-001



POINT TABLE

PT. NUMBER	STATION/OFFSET	NORTHING	EASTING	ELEV.	DESC.
1	100+31.69, 20.84'LT	1531489.88	2292744.69	1160.11	SLCD
2	104+89.34, 178.61'LT	1531537.14	2292361.7	1143.07	SLCD
3	113+20.85, 39.22'LT	1531662.08	2291824.99	1170.55	SLCD
4	115+90.91, 47.79'LT	1531828.13	2291719.23	1184.33	SLCD
5	116+88.86, 18.66'LT	1531906.61	2291631.08	1195.98	SLCD
6	119+21.70, 29.19'LT	1532087.86	2291565.14	1211.86	SLCD
7	121+46.30, 41.64'LT	1532306.68	2291515.17	1248.61	SLCD
8	123+26.00, 60.47'LT	1532487.51	2291475.22	1262.16	SLCD
9	128+60.54, 45.11'LT	1533013.71	2291490.25	1317.77	SLCD
10	130+58.78, 41.93'LT	1533171.03	2291637.59	1315.82	SLCD
11	132+53.11, 24.47'LT	1533300.26	2291754.98	1324.98	SLCD
12	134+38.66, 24.98'LT	1533356.14	2291931.71	1318.06	SLCD
13	136+49.68, 75.82'LT	1533565.23	2291986.83	1322.02	SLCD
14	138+87.43, 17.48'LT	1533684.62	2292033.85	1312.87	SLCD
16	145+98.29, 70.60'LT	1533877.85	2292100.91	1287.65	SLCD
18	149+32.50, 38.63'LT	1534181.23	2292217.38	1245.4	SLCD
65	147+39.76, 322.05'RT	1533782.11	2292485.03	1280.05	SLCD
66	149+03.34, 187.89'RT	1533991.08	2292390.28	1299.29	SLCD

Curve* 1
PI Sta* 102+09.29
N* 1531476.31
E* 2292566.20
P.C. Sta. 101+83.00
P.T. Sta. 102+28.41
DELTA* 72°16'28.7" (LT)
D*159°09'17.80"
T* 26.29
L* 45.41
R* 36.00
E* 8.58
e* 2%

Curve* 2
PI Sta* 103+27.50
N* 1531358.54
E* 2292523.19
P.C. Sta. 103+02.32
P.T. Sta. 103+46.27
DELTA* 69°56'27.4" (RT)
D*159°09'17.80"
T* 25.18
L* 43.95
R* 36.00
E* 7.93
e* 2%

Curve* 3
PI Sta* 104+88.27
N* 1531358.56
E* 2292356.00
P.C. Sta. 104+78.63
P.T. Sta. 104+97.85
DELTA* 11°00'54.2" (LT)
D* 57°17'44.81"
T* 9.64
L* 19.22
R* 100.00
E* 0.46
e* 2%

Curve* 4
PI Sta* 105+10.58
N* 1531354.29
E* 2292334.05
P.C. Sta. 105+03.46
P.T. Sta. 105+17.67
DELTA* 08°08'31.9" (RT)
D* 57°17'44.81"
T* 7.12
L* 14.21
R* 100.00
E* 0.25
e* 2%

Curve* 5
PI Sta* 106+36.16
N* 1531348.01
E* 2292208.60
P.C. Sta. 106+17.89
P.T. 106+54.24
DELTA* 13°53'16.4" (RT)
D* 38°11'49.87"
T* 18.27
L* 36.36
R* 150.00
E* 1.11
e* 2%

Curve* 6
PI Sta* 106+91.29
N* 1531358.58
E* 2292154.31
P.C. Sta. 106+81.65
P.T. Sta. 107+00.87
DELTA* 11°00'54.2" (LT)
D* 57°17'44.81"
T* 9.64
L* 19.22
R* 100.00
E* 0.46
e* 2%

Curve* 7
PI Sta* 110+55.80
N* 1531358.62
E* 2291789.74
P.C. Sta. 109+51.80
P.T. Sta. 111+16.29
DELTA* 88°54'26.6" (RT)
D* 54°03'09.44"
T* 104.00
L* 164.48
R* 106.00
E* 42.50
e* 2%

Curve* 8
PI Sta* 113+12.65
N* 1531658.92
E* 2291784.04
P.C. Sta. 112+90.74
P.T. Sta. 113+34.40
DELTA* 12°08'27.3" (RT)
D* 27°48'48.55"
T* 21.91
L* 43.65
R* 206.00
E* 1.16
e* 2%

Curve* 9
PI Sta* 115+33.55
N* 1531875.89
E* 2291826.43
P.C. Sta. 114+42.51
P.T. Sta. 115+74.77
DELTA*101°02'25.1" (LT)
D* 76°23'39.74"
T* 91.05
L* 132.26
R* 75.00
E* 42.96
e* 2%

Curve* 10
PI Sta* 117+74.06
N* 1531875.96
E* 2291536.08
P.C. Sta. 116+24.20
P.T. Sta. 118+59.68
DELTA* 89°56'58.8" (RT)
D* 38°11'49.87"
T* 149.87
L* 235.49
R* 150.00
E* 62.04
e* 2%

Curve* 11
PI Sta* 119+94.71
N* 1532160.86
E* 2291535.90
P.C. Sta. 119+76.44
P.T. Sta. 120+12.88
DELTA* 10°26'19.7" (RT)
D* 28°38'52.40"
T* 18.27
L* 36.44
R* 200.00
E* 0.83
e* 2%

Curve* 12
PI Sta* 121+45.03
N* 1532308.80
E* 2291563.06
P.C. Sta. 120+97.84
P.T. Sta. 121+90.02
DELTA* 30°10'55.7" (LT)
D* 32°44'25.60"
T* 47.19
L* 92.19
R* 175.00
E* 6.25
e* 2%

Curve* 13
PI Sta* 122+23.51
N* 1532384.72
E* 2291535.76
P.C. Sta. 122+06.11
P.T. Sta. 122+40.57
DELTA* 19°44'36.0" (RT)
D* 57°17'44.81"
T* 17.40
L* 34.46
R* 100.00
E* 1.50
e* 2%

Curve* 14
PI Sta* 126+25.43
N* 1532786.98
E* 2291535.50
P.C. Sta. 126+11.30
P.T. Sta. 126+38.83
DELTA* 31°33'08.1" (RT)
D*114°35'29.61"
T* 14.13
L* 27.53
R* 50.00
E* 1.96
e* 2%

Curve* 15
PI Sta* 126+77.95
N* 1532832.37
E* 2291563.33
P.C. Sta. 126+55.56
P.T. Sta. 126+97.66
DELTA* 48°14'52.3" (LT)
D*114°35'29.61"
T* 22.39
L* 42.10
R* 50.00
E* 4.78
e* 2%

Curve* 16
PI Sta* 127+72.25
N* 1532925.24
E* 2291535.41
P.C. Sta. 127+57.58
P.T. Sta. 127+86.72
DELTA* 16°41'44.1" (RT)
D* 57°17'44.81"
T* 14.67
L* 29.14
R* 100.00
E* 1.07
e* 2%

Curve* 17
PI Sta* 129+42.44
N* 1533095.64
E* 2291535.31
P.C. Sta. 128+82.44
P.T. Sta. 129+98.82
DELTA* 34°22'25.1" (RT)
D* 29°32'02.07"
T* 60.00
L* 116.39
R* 194.00
E* 9.07
e* 2%

Curve* 18
PI Sta* 131+93.21
N* 1533305.70
E* 2291678.80
P.C. Sta. 130+86.55
P.T. Sta. 132+91.45
DELTA* 39°15'50.0" (RT)
D* 19°09'44.89"
T* 106.66
L* 204.90
R* 299.00
E* 18.45
e* 2%

Curve* 19
PI Sta* 134+24.30
N* 1533373.31
E* 2291908.56
P.C. Sta. 134+11.90
P.T. Sta. 134+36.66
DELTA* 07°05'32.1" (LT)
D* 28°38'52.40"
T* 12.39
L* 24.76
R* 200.00
E* 0.38
e* 2%

Curve* 20
PI Sta* 135+17.57
N* 1533410.50
E* 2291994.12
P.C. Sta. 134+81.27
P.T. Sta. 135+50.91
DELTA* 39°54'04.0" (LT)
D* 57°17'44.81"
T* 36.30
L* 69.64
R* 100.00
E* 6.38
e* 2%

Curve* 21
PI Sta* 138+41.81
N* 1533703.05
E* 2292140.67
P.C. Sta. 137+60.03
P.T. Sta. 138+62.23
DELTA*117°07'10.8" (LT)
D*114°35'29.61"
T* 81.78
L* 102.21
R* 50.00
E* 45.86
e* 2%

Curve* 22
PI Sta* 139+86.47
N* 1533701.21
E* 2291934.66
P.C. Sta. 139+53.55
P.T. Sta. 140+18.99
DELTA* 15°22'01.4" (LT)
D* 23°28'54.76"
T* 32.92
L* 65.44
R* 244.00
E* 2.21
e* 2%

Curve* 23
PI Sta* 152+50.62
N* 1533355.22
E* 2290718.36
P.C. Sta. 141+11.51
P.T. Sta. 142+22.34
DELTA*176°22'46.9" (RT)
D*159°09'17.80"
T* 1139.11
L* 110.82
R* 36.00
E* 1103.68
e* 2%

Curve* 24
PI Sta* 143+13.03
N* 1533765.72
E* 2291877.62
P.C. Sta. 142+91.03
P.T. Sta. 143+34.85
DELTA* 12°29'30.4" (LT)
D* 28°30'19.31"
T* 22.00
L* 43.82
R* 201.00
E* 1.20
e* 2%

Curve* 25
PI Sta* 144+10.28
N* 1533817.34
E* 2291960.26
P.C. Sta. 143+76.60
P.T. Sta. 144+43.20
DELTA* 21°05'00.6" (LT)
D* 31°39'18.46"
T* 33.68
L* 66.60
R* 181.00
E* 3.11
e* 2%

Curve* 26
PI Sta* 145+69.02
N* 1533944.85
E* 2292056.08
P.C. Sta. 145+28.87
P.T. Sta. 146+04.41
DELTA* 48°05'21.6" (RT)
D* 63°39'43.12"
T* 40.15
L* 75.54
R* 90.00
E* 8.55
e* 2%

Curve* 27
PI Sta* 147+43.50
N* 1533960.43
E* 2292234.66
P.C. Sta. 147+05.83
P.T. Sta. 147+99.99
DELTA* 86°34'31.5" (LT)
D*143°14'22.02"
T* 37.68
L* 60.44
R* 40.00
E* 14.95
e* 2%

Curve* 28
PI Sta* 147+90.26
N* 1534022.08
E* 2292232.98
P.C. Sta. 147+80.12
P.T. Sta. 147+99.99
DELTA* 28°27'43.0" (LT)
D*143°14'22.02"
T* 10.14
L* 19.87
R* 40.00
E* 1.27
e* 2%

Curve* 30
PI Sta* 149+08.58
N* 1534109.51
E* 2292247.45
P.C. Sta. 148+95.56
P.T. Sta. 149+20.04
DELTA* 48°22'52.1" (LT)
D*197°34'17.95"
T* 13.03
L* 24.49
R* 29.00
E* 2.79
e* 2%

Curve* 31
PI Sta* 149+72.24
N* 1534174.47
E* 2292253.31
P.C. Sta. 149+55.32
P.T. Sta. 149+88.19
DELTA* 33°37'57.3" (RT)
D*102°18'50.01"
T* 16.92
L* 32.87
R* 56.00
E* 2.50
e* 2%

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

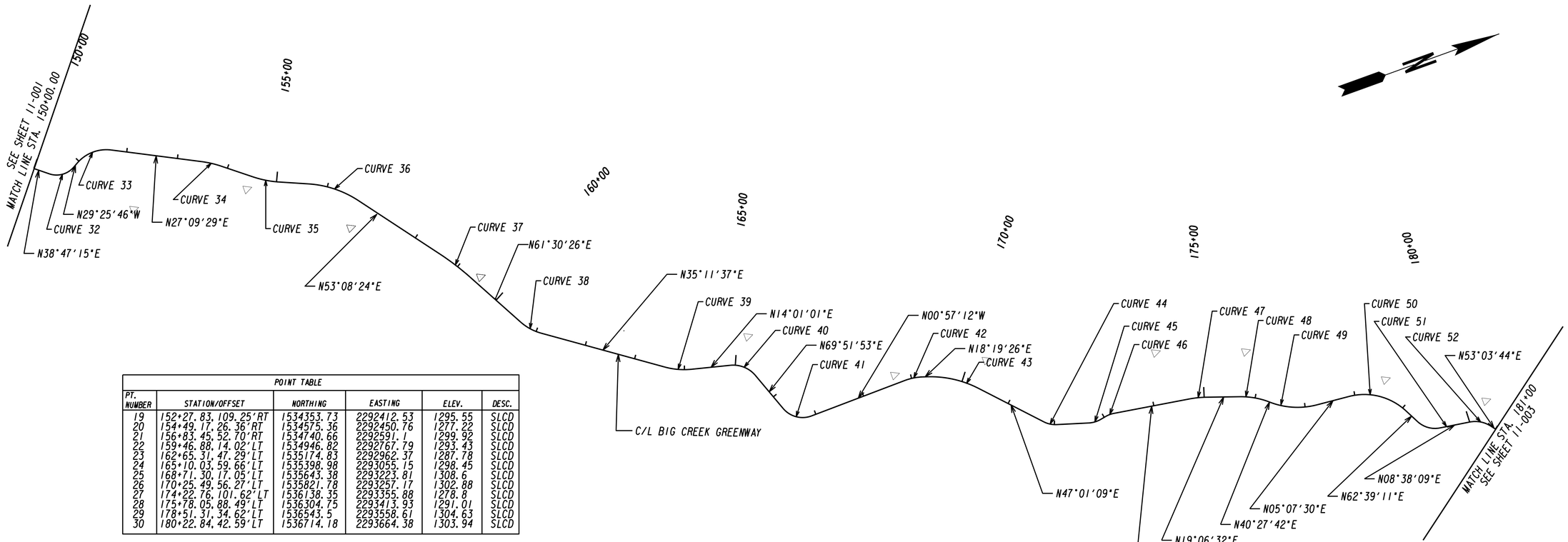
OFFICE:

CONSTRUCTION LAYOUT

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
11-001

02/12/2015 GPLN



POINT TABLE

PT. NUMBER	STATION/OFFSET	NORTHING	EASTING	ELEV.	DESC.
19	152+27.83, 109.25'RT	1534353.73	2292412.53	1295.55	SLCD
20	154+49.17, 26.36'RT	1534575.36	2292450.76	1277.22	SLCD
21	156+83.45, 52.70'RT	1534740.66	2292591.1	1299.92	SLCD
22	159+46.88, 14.02'LT	1534946.82	2292767.79	1293.43	SLCD
23	162+65.31, 47.29'LT	1535174.83	2292962.37	1287.78	SLCD
24	165+10.03, 59.66'LT	1535398.98	2293055.15	1298.45	SLCD
25	168+71.30, 17.05'LT	1535643.38	2293223.81	1308.6	SLCD
26	170+25.49, 56.27'LT	1535821.78	2293257.17	1302.88	SLCD
27	174+22.76, 101.62'LT	1536138.35	2293355.88	1278.8	SLCD
28	175+78.05, 88.49'LT	1536304.75	2293413.93	1291.01	SLCD
29	178+51.31, 34.62'LT	1536543.5	2293558.61	1304.63	SLCD
30	180+22.84, 42.59'LT	1536714.18	2293664.38	1303.94	SLCD

Curve* 32
PI Sta* 150+61.79
N* 1534245.03
E* 2292310.02
P.C. Sta.150+31.99
P.T. Sta.150+84.38
DELTA* 68°13'00.4" (LT)
D*130°13'03.65"
T* 29.80
L* 52.39
R* 44.00
E* 9.14
e* 2%

Curve* 33
PI Sta* 151+35.63
N* 1534315.62
E* 2292270.20
P.C. Sta.150+95.26
P.T. Sta.151+69.33
DELTA* 56°35'14.5" (RT)
D* 76°23'39.74"
T* 40.37
L* 74.07
R* 75.00
E* 10.18
e* 2%

Curve* 35
PI Sta* 154+78.74
N* 1534614.92
E* 2292448.57
P.C. Sta.154+52.46
P.T. Sta.155+04.73
DELTA* 14°58'22.0" (LT)
D* 28°38'52.40"
T* 26.28
L* 52.26
R* 200.00
E* 1.72
e* 2%

Curve* 34
PI Sta* 153+66.93
N* 1534527.36
E* 2292378.82
P.C. Sta.153+47.00
P.T. Sta.153+86.73
DELTA* 11°22'57.6" (RT)
D* 28°38'52.40"
T* 19.93
L* 39.73
R* 200.00
E* 0.99
e* 2%

Curve* 36
PI Sta* 156+15.85
N* 1534740.86
E* 2292503.51
P.C. Sta.155+63.05
P.T. Sta.156+66.28
DELTA* 29°34'19.5" (RT)
D* 28°38'52.40"
T* 52.79
L* 103.23
R* 200.00
E* 6.85
e* 2%

Curve* 37
PI Sta* 158+94.71
N* 1534909.55
E* 2292728.51
P.C. Sta.158+58.13
P.T. Sta.159+31.15
DELTA* 08°22'02.0" (RT)
D* 11°27'32.96"
T* 36.57
L* 73.02
R* 500.00
E* 1.34
e* 2%

Curve* 38
PI Sta* 160+87.47
N* 1535001.57
E* 2292898.04
P.C. Sta.160+64.10
P.T. Sta.161+10.02
DELTA* 26°18'49.5" (LT)
D* 57°17'44.81"
T* 23.38
L* 45.93
R* 100.00
E* 2.70
e* 2%

Curve* 39
PI Sta* 163+88.05
N* 1535247.88
E* 2293071.75
P.C. Sta.163+61.13
P.T. Sta.164+14.35
DELTA* 21°10'35.5" (LT)
D* 39°47'19.45"
T* 26.92
L* 53.22
R* 144.00
E* 2.49
e* 2%

Curve* 40
PI Sta* 165+20.18
N* 1535376.68
E* 2293103.90
P.C. Sta.164+90.50
P.T. Sta.165+45.09
DELTA* 55°50'51.4" (RT)
D*102°18'50.01"
T* 29.68
L* 54.58
R* 56.00
E* 7.38
e* 2%

Curve* 41
PI Sta* 166+65.09
N* 1535428.20
E* 2293244.44
P.C. Sta.166+29.55
P.T. Sta.166+91.35
DELTA* 70°49'04.7" (LT)
D*114°35'29.61"
T* 35.54
L* 61.80
R* 50.00
E* 11.35
e* 2%

Curve* 42
PI Sta* 169+04.69
N* 1535677.06
E* 2293240.30
P.C. Sta.168+86.69
P.T. Sta.169+22.35
DELTA* 19°16'38.5" (RT)
D* 54°03'09.44"
T* 18.00
L* 35.66
R* 106.00
E* 1.52
e* 2%

Curve* 43
PI Sta* 169+84.26
N* 1535752.91
E* 2293265.42
P.C. Sta.169+31.57
P.T. Sta.170+34.74
DELTA* 28°41'42.8" (RT)
D* 27°48'48.55"
T* 52.69
L* 103.17
R* 206.00
E* 6.63
e* 2%

Curve* 44
PI Sta* 171+91.85
N* 1535895.95
E* 2293418.91
P.C. Sta.171+78.41
P.T. Sta.172+04.68
DELTA* 30°06'15.9" (LT)
D*114°35'29.61"
T* 13.45
L* 26.27
R* 50.00
E* 1.78
e* 2%

Curve* 45
PI Sta* 172+79.82
N* 1535980.70
E* 2293444.69
P.C. Sta.172+67.73
P.T. Sta.172+91.45
DELTA* 27°10'24.1" (LT)
D*114°35'29.61"
T* 12.08
L* 23.71
R* 50.00
E* 1.44
e* 2%

Curve* 46
PI Sta* 173+12.29
N* 1536013.10
E* 2293438.82
P.C. Sta.173+03.78
P.T. Sta.173+20.64
DELTA* 19°18'53.3" (RT)
D*114°35'29.61"
T* 8.51
L* 16.86
R* 50.00
E* 0.72
e* 2%

Curve* 47
PI Sta* 174+88.40
N* 1536187.17
E* 2293466.57
P.C. Sta.174+71.34
P.T. Sta.175+05.37
DELTA* 10°03'09.8" (RT)
D* 29°32'02.07"
T* 17.06
L* 34.04
R* 194.00
E* 0.75
e* 2%

Curve* 48
PI Sta* 175+99.32
N* 1536292.07
E* 2293502.91
P.C. Sta.175+71.04
P.T. Sta.176+26.95
DELTA* 21°21'09.4" (RT)
D* 38°11'49.87"
T* 28.28
L* 55.90
R* 150.00
E* 2.64
e* 2%

Curve* 49
PI Sta* 176+79.35
N* 1536353.46
E* 2293555.27
P.C. Sta.176+31.57
P.T. Sta.177+24.08
DELTA* 35°20'11.5" (LT)
D* 38°11'49.87"
T* 47.78
L* 92.51
R* 150.00
E* 7.43
e* 2%

Curve* 50
PI Sta* 178+53.72
N* 1536530.17
E* 2293571.12
P.C. Sta.177+88.40
P.T. Sta.179+07.88
DELTA* 57°31'40.6" (RT)
D* 48°08'51.77"
T* 65.32
L* 119.48
R* 119.00
E* 16.75
e* 2%

Curve* 51
PI Sta* 179+65.01
N* 1536586.42
E* 2293679.88
P.C. Sta.179+39.52
P.T. Sta.179+86.66
DELTA* 54°01'01.1" (LT)
D*114°35'29.61"
T* 25.49
L* 47.14
R* 50.00
E* 6.12
e* 2%

Curve* 52
PI Sta* 180+68.93
N* 1536692.95
E* 2293696.06
P.C. Sta.180+46.06
P.T. Sta.180+89.48
DELTA* 44°25'34.5" (RT)
D*102°18'50.01"
T* 22.87
L* 43.42
R* 56.00
E* 4.49
e* 2%

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

CONSTRUCTION LAYOUT

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
11-002

2/9/2018 1:03:07 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_11-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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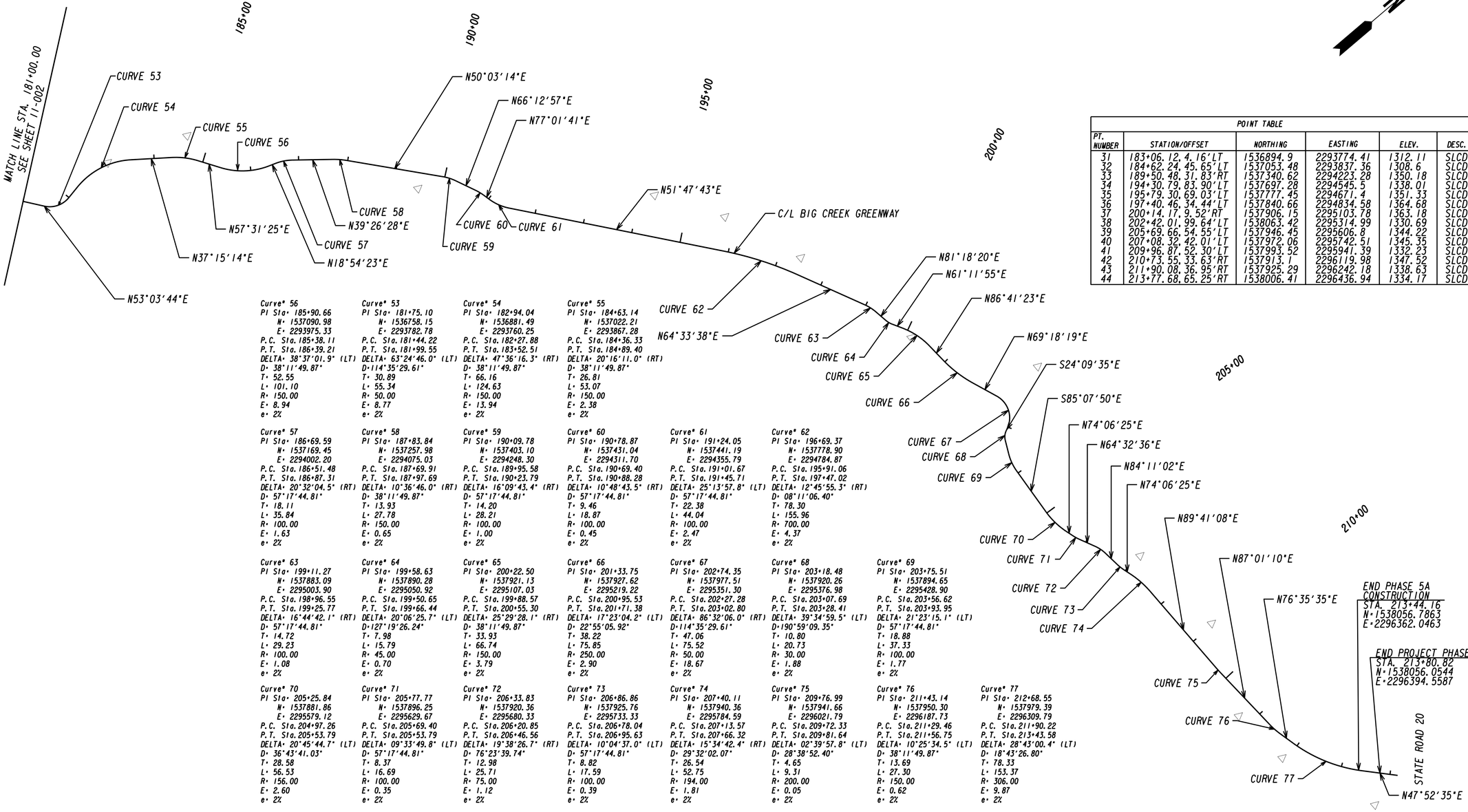

POINT TABLE					
PT. NUMBER	STATION/OFFSET	NORTHING	EASTING	ELEV.	DESC.
31	183+06.12 4.16'LT	1536894.9	2293774.41	1312.11	SLCD
32	184+62.24 45.65'LT	1537053.48	2293837.36	1308.6	SLCD
33	189+50.48 31.83'RT	1537340.62	2294223.28	1350.18	SLCD
34	194+30.79 83.90'LT	1537697.28	2294545.5	1338.01	SLCD
35	195+79.30 69.03'LT	1537777.45	2294671.4	1351.33	SLCD
36	197+40.46 34.44'LT	1537840.66	2294834.58	1364.68	SLCD
37	200+14.17 9.52'RT	1537906.15	2295103.78	1363.18	SLCD
38	202+42.01 99.64'LT	1538063.42	2295314.99	1330.69	SLCD
39	205+69.66 54.55'LT	1537946.45	2295606.8	1344.22	SLCD
40	207+08.32 42.01'LT	1537972.06	2295742.51	1345.35	SLCD
41	209+96.87 52.30'LT	1537993.52	2295941.39	1332.23	SLCD
42	210+73.55 33.63'RT	1537913.1	2296119.98	1347.52	SLCD
43	211+90.08 36.95'RT	1537925.29	2296242.18	1338.63	SLCD
44	213+77.68 65.25'RT	1538006.41	2296436.94	1334.17	SLCD

Curve* 56
PI Sta* 185+90.66
N* 1537090.98
E* 2293975.33
P.C. Sta. 185+38.11
P.T. Sta. 186+39.21
DELTA* 38°37'01.9" (LT)
D* 38°11'49.87"
T* 52.55
L* 101.10
R* 150.00
E* 8.94
e* 2%

Curve* 53
PI Sta* 181+75.10
N* 1536758.15
E* 2293782.78
P.C. Sta. 181+44.22
P.T. Sta. 181+99.55
DELTA* 63°24'46.0" (LT)
D* 114°35'29.61"
T* 30.89
L* 55.34
R* 50.00
E* 8.77
e* 2%

Curve* 54
PI Sta* 182+94.04
N* 1536881.49
E* 2293760.25
P.C. Sta. 182+27.88
P.T. Sta. 183+52.51
DELTA* 47°36'16.3" (RT)
D* 38°11'49.87"
T* 66.16
L* 124.63
R* 150.00
E* 13.94
e* 2%

Curve* 55
PI Sta* 184+63.14
N* 1537022.21
E* 2293867.28
P.C. Sta. 184+36.33
P.T. Sta. 184+89.40
DELTA* 20°16'11.0" (RT)
D* 38°11'49.87"
T* 26.81
L* 53.07
R* 150.00
E* 2.38
e* 2%

Curve* 57
PI Sta* 186+69.59
N* 1537169.45
E* 2294002.20
P.C. Sta. 186+51.48
P.T. Sta. 186+87.31
DELTA* 20°32'04.5" (RT)
D* 57°17'44.81"
T* 18.11
L* 35.84
R* 100.00
E* 1.63
e* 2%

Curve* 58
PI Sta* 187+83.84
N* 1537257.98
E* 2294075.03
P.C. Sta. 187+69.91
P.T. Sta. 187+97.69
DELTA* 10°36'46.0" (RT)
D* 38°11'49.87"
T* 13.93
L* 27.78
R* 150.00
E* 0.65
e* 2%

Curve* 59
PI Sta* 190+09.78
N* 1537403.10
E* 2294248.30
P.C. Sta. 189+95.58
P.T. Sta. 190+23.79
DELTA* 16°09'43.4" (RT)
D* 57°17'44.81"
T* 14.20
L* 28.21
R* 100.00
E* 1.00
e* 2%

Curve* 60
PI Sta* 190+78.87
N* 1537431.04
E* 2294311.70
P.C. Sta. 190+69.40
P.T. Sta. 190+88.28
DELTA* 10°48'43.5" (RT)
D* 57°17'44.81"
T* 9.46
L* 18.87
R* 100.00
E* 0.45
e* 2%

Curve* 61
PI Sta* 191+24.05
N* 1537441.19
E* 2294355.79
P.C. Sta. 191+01.67
P.T. Sta. 191+45.71
DELTA* 25°13'57.8" (LT)
D* 57°17'44.81"
T* 22.38
L* 44.04
R* 100.00
E* 2.47
e* 2%

Curve* 62
PI Sta* 196+69.37
N* 1537778.90
E* 2294784.87
P.C. Sta. 195+91.06
P.T. Sta. 197+47.02
DELTA* 12°45'55.3" (RT)
D* 08°11'06.40"
T* 78.30
L* 155.96
R* 700.00
E* 4.37
e* 2%

Curve* 63
PI Sta* 199+11.27
N* 1537883.09
E* 2295003.90
P.C. Sta. 198+96.55
P.T. Sta. 199+25.77
DELTA* 16°44'42.1" (RT)
D* 57°17'44.81"
T* 14.72
L* 29.23
R* 100.00
E* 1.08
e* 2%

Curve* 64
PI Sta* 199+58.63
N* 1537890.28
E* 2295050.92
P.C. Sta. 199+50.65
P.T. Sta. 199+66.44
DELTA* 20°06'25.7" (LT)
D* 127°19'26.24"
T* 7.98
L* 15.79
R* 45.00
E* 0.70
e* 2%

Curve* 65
PI Sta* 200+22.50
N* 1537921.13
E* 2295107.03
P.C. Sta. 199+88.57
P.T. Sta. 200+55.30
DELTA* 25°29'28.1" (RT)
D* 38°11'49.87"
T* 33.93
L* 66.74
R* 150.00
E* 3.79
e* 2%

Curve* 66
PI Sta* 201+33.75
N* 1537927.62
E* 2295219.22
P.C. Sta. 200+95.53
P.T. Sta. 201+71.38
DELTA* 17°23'04.2" (LT)
D* 22°55'05.92"
T* 38.22
L* 75.85
R* 250.00
E* 2.90
e* 2%

Curve* 67
PI Sta* 202+74.35
N* 1537977.51
E* 2295351.30
P.C. Sta. 202+27.28
P.T. Sta. 203+02.80
DELTA* 86°32'06.0" (RT)
D* 114°35'29.61"
T* 47.06
L* 75.52
R* 50.00
E* 18.67
e* 2%

Curve* 68
PI Sta* 203+18.48
N* 1537920.26
E* 2295376.98
P.C. Sta. 203+07.69
P.T. Sta. 203+28.41
DELTA* 39°34'59.5" (LT)
D* 190°59'09.35"
T* 10.80
L* 20.73
R* 30.00
E* 1.88
e* 2%

Curve* 69
PI Sta* 203+75.51
N* 1537894.65
E* 2295428.90
P.C. Sta. 203+56.62
P.T. Sta. 203+93.95
DELTA* 21°23'15.1" (LT)
D* 57°17'44.81"
T* 18.88
L* 37.33
R* 100.00
E* 1.77
e* 2%

Curve* 70
PI Sta* 205+25.84
N* 1537881.86
E* 2295579.12
P.C. Sta. 204+97.26
P.T. Sta. 205+53.79
DELTA* 20°45'44.7" (LT)
D* 36°43'41.03"
T* 28.58
L* 56.53
R* 156.00
E* 2.60
e* 2%

Curve* 71
PI Sta* 205+77.77
N* 1537896.25
E* 2295629.67
P.C. Sta. 205+69.40
P.T. Sta. 205+53.79
DELTA* 09°33'49.8" (LT)
D* 57°17'44.81"
T* 8.37
L* 16.69
R* 100.00
E* 0.35
e* 2%

Curve* 72
PI Sta* 206+33.83
N* 1537920.36
E* 2295680.33
P.C. Sta. 206+20.85
P.T. Sta. 206+46.56
DELTA* 19°38'26.7" (RT)
D* 76°23'39.74"
T* 12.98
L* 25.71
R* 75.00
E* 1.12
e* 2%

Curve* 73
PI Sta* 206+86.86
N* 1537925.76
E* 2295733.33
P.C. Sta. 206+78.04
P.T. Sta. 206+95.63
DELTA* 10°04'37.0" (LT)
D* 57°17'44.81"
T* 8.82
L* 17.59
R* 100.00
E* 0.39
e* 2%

Curve* 74
PI Sta* 207+40.11
N* 1537940.36
E* 2295784.59
P.C. Sta. 207+13.57
P.T. Sta. 207+66.32
DELTA* 15°34'42.4" (RT)
D* 29°32'02.07"
T* 26.54
L* 52.75
R* 194.00
E* 1.81
e* 2%

Curve* 75
PI Sta* 209+76.99
N* 1537941.66
E* 2296021.79
P.C. Sta. 209+72.33
P.T. Sta. 209+81.64
DELTA* 02°39'57.8" (LT)
D* 28°38'52.40"
T* 4.65
L* 9.31
R* 200.00
E* 0.05
e* 2%

Curve* 76
PI Sta* 211+43.14
N* 1537950.30
E* 2296187.73
P.C. Sta. 211+29.46
P.T. Sta. 211+56.75
DELTA* 10°25'34.5" (LT)
D* 38°11'49.87"
T* 13.69
L* 27.30
R* 150.00
E* 0.62
e* 2%

Curve* 77
PI Sta* 212+68.55
N* 1537979.39
E* 2296309.79
P.C. Sta. 211+90.22
P.T. Sta. 213+43.58
DELTA* 28°43'00.4" (LT)
D* 18°43'26.80"
T* 78.33
L* 153.37
R* 306.00
E* 9.87
e* 2%

POND
3500 Parkway Lane
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

CONSTRUCTION LAYOUT

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING NO.
11-003

02/12/2015 GPLN

SUPERELEVATION TRANSITION TABLE

STATION	SE LEFT	SE RIGHT
100+00	-2.00%	+2.00%
101+45	-2.00%	+2.00%
101+55	0%	0%
101+65	+2.00%	-2.00%
104+45	+2.00%	-2.00%
104+55	0%	0%
104+65	-2.00%	+2.00%
109+50	-2.00%	+2.00%
109+60	0%	0%
109+70	+2.00%	-2.00%

BEGIN PHASE 5A CONSTRUCTION
STA. 100+00.37
N:1531314.6503
E:2292887.4138

BEGIN PHASE 5A PROJECT
STA. 99+50.00
N:1531465.7278
E:2292825.2735

JOHNSON ROAD
EXIST R/W
100+00
105+00
110+00

JAMES & REAGAN OLIVER AND MARCYS ALLEN BOYD
DB 6288, PG 38
TAX ID # 102 050

THOMPSON ADOLPHUS WILSON
DB 7457, PG 465
TAX ID # 102 063

NANCY E. WILSON AND ROBERT B. LOWE
DB 7339, PG 51
TAX ID # 102 121

SAMUEL A. WILSON AND JENNIFER WILSON
DB 3790, PG 294
TAX ID # 102 116

DALE BARRETT RUIS
DB 1008, PG 38
TAX ID # 102 076

DALE BARRETT RUIS
DB 1008, PG 39
TAX ID # 102 075

DALE BARRETT RUIS . AND BUDDY RUIS
DB 1811, PG 109
TAX ID # 102 062

EXIST OVERHEAD ELECTRIC TO REMAIN

BENCH / TRASH RECEPTACLE
10'X5' MULCH BASE
STA. 108+10.00 LT
(SEE SHEETS 5-002 & 5-004 FOR DETAILS)

BEGIN WOODEN HANDRAIL
STA. 104+50.00,
8.00' LT
SEE SHEET 05-002

BEGIN SE TRANSITION.
SEE SUPERELEVATION TABLE.

BEGIN WOODEN HANDRAIL
STA. 104+40.00,
8.00' RT

END SE TRANSITION.
SEE SUPERELEVATION TABLE.

END WOODEN HANDRAIL
STA. 105+00.00,
8.00' LT

BEGIN DITCH
STA. 104+50.00

END DITCH
STA. 105+40.00

END WOODEN HANDRAIL
STA. 105+00.00,
8.00' RT

BEGIN MSE WALL
MODULAR BRICKS W/
GEO-GRID REINFORCEMENT
BEGIN PIPE HANDRAIL
SEE SHEETS 5-001, 5-002 & 38-001
STA. 105+00.00
8.00' LT

END MSE WALL
MODULAR BRICKS W/
GEO-GRID REINFORCEMENT
END PIPE HANDRAIL
SEE SHEETS 5-001, 5-002 & 38-001
STA. 106+55.00
8.00' LT

BEGIN SE TRANSITION.
SEE SUPERELEVATION TABLE.

END SE TRANSITION.
SEE SUPERELEVATION TABLE.

END SE TRANSITION.
SEE SUPERELEVATION TABLE.

BEGIN SE TRANSITION.
SEE SUPERELEVATION TABLE.

SAFETY END SECTION
GA STD 1122

FLARED END SECTION
GA STD 1120

TYPE D RAMP
GA DETAIL A3/A4

SPEED TABLE
SEE SHEET 38-001

12' - 0" CONCRETE TRAIL

C/L BIG CREEK GREENWAY

CURVE 1
CURVE 2
CURVE 3
CURVE 4
CURVE 5
CURVE 6
CURVE 7

TRACT 1
TRACT 2
TRACT 3
TRACT 4

DE30001
DE20000
DE30002
DE20001
DE20002
DE30003
DE30006
DE20059
DE20007
DE30007
DE30008
DE30012
DE20008
DE20012
DE30013
DE20013
DE20014
DE20015
DE10004
DE20016
DE30040
DE30039
DE20022
DE30041
DE20023
DE20009
DE30009
DE30010
DE20010
DE20011
DE30011
DE20003
DE30004
DE20004
DE30005
DE20005
DE30038
DE20019
DE30298
DE30034
DE20020
DE20021
DE30299
DE30031
DE20043
DE20018
DE30032
DE30033
DE20040
DE20041
DE30030
DE20017
DE10063
DE20024
DE20025
DE20042
DE30014
DE30015
DE20026
DE20027
DE20262
DE20263
DE20264
DE20265
DE20306
DE30016
DE20028
DE20039
DE30029

S87°07'58"W
N89°59'39"W
N87°39'38"W

LL 1242
LL 1207

MATCH LINE STA. 110+00.00
SEE SHEET 13-002

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

POND
3500 Parkway Lane
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Peachtree Corners, 30092
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Fax 678-336-7744
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SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

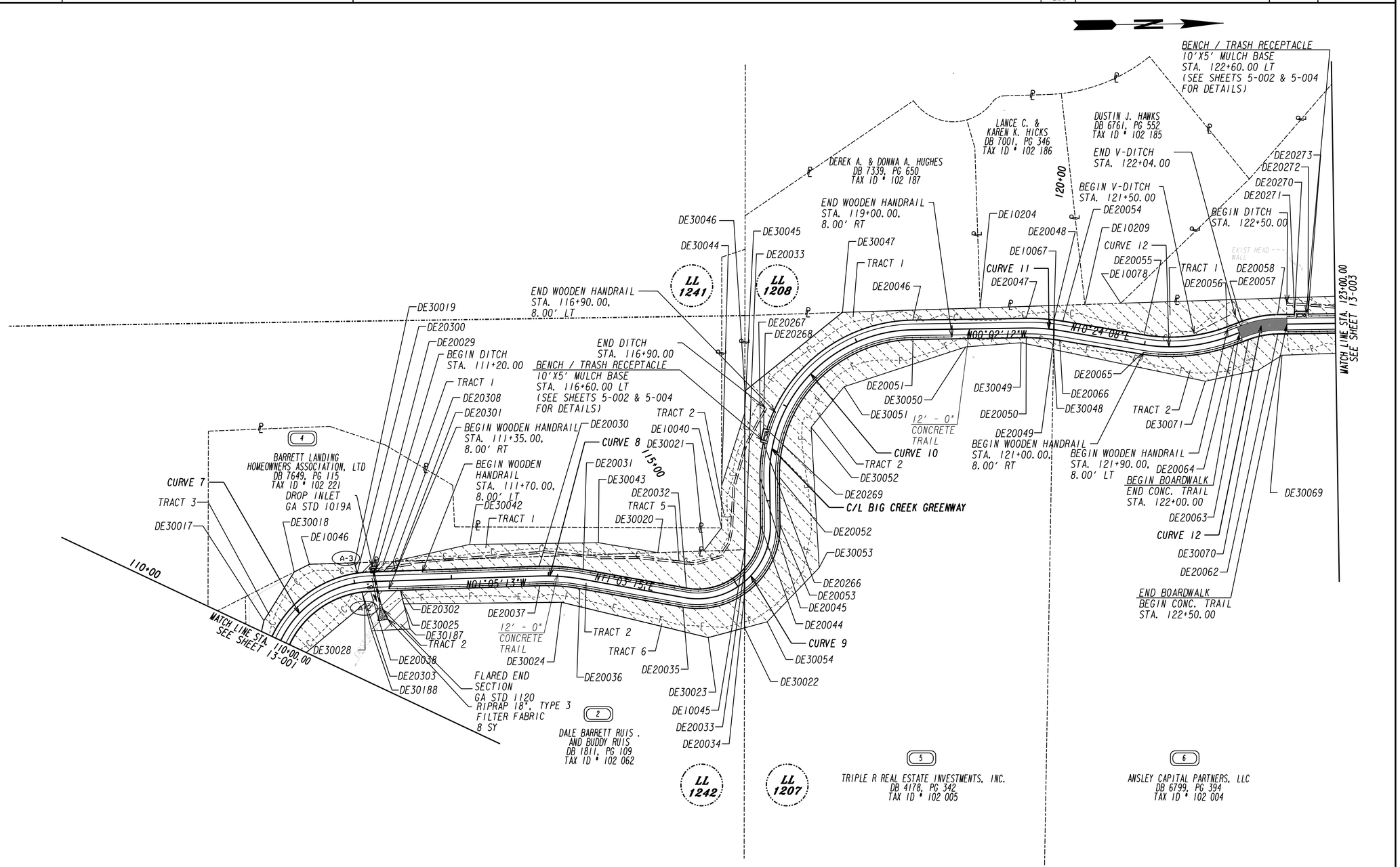
OFFICE:

MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
13-001

02/12/2015 GPLN



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
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SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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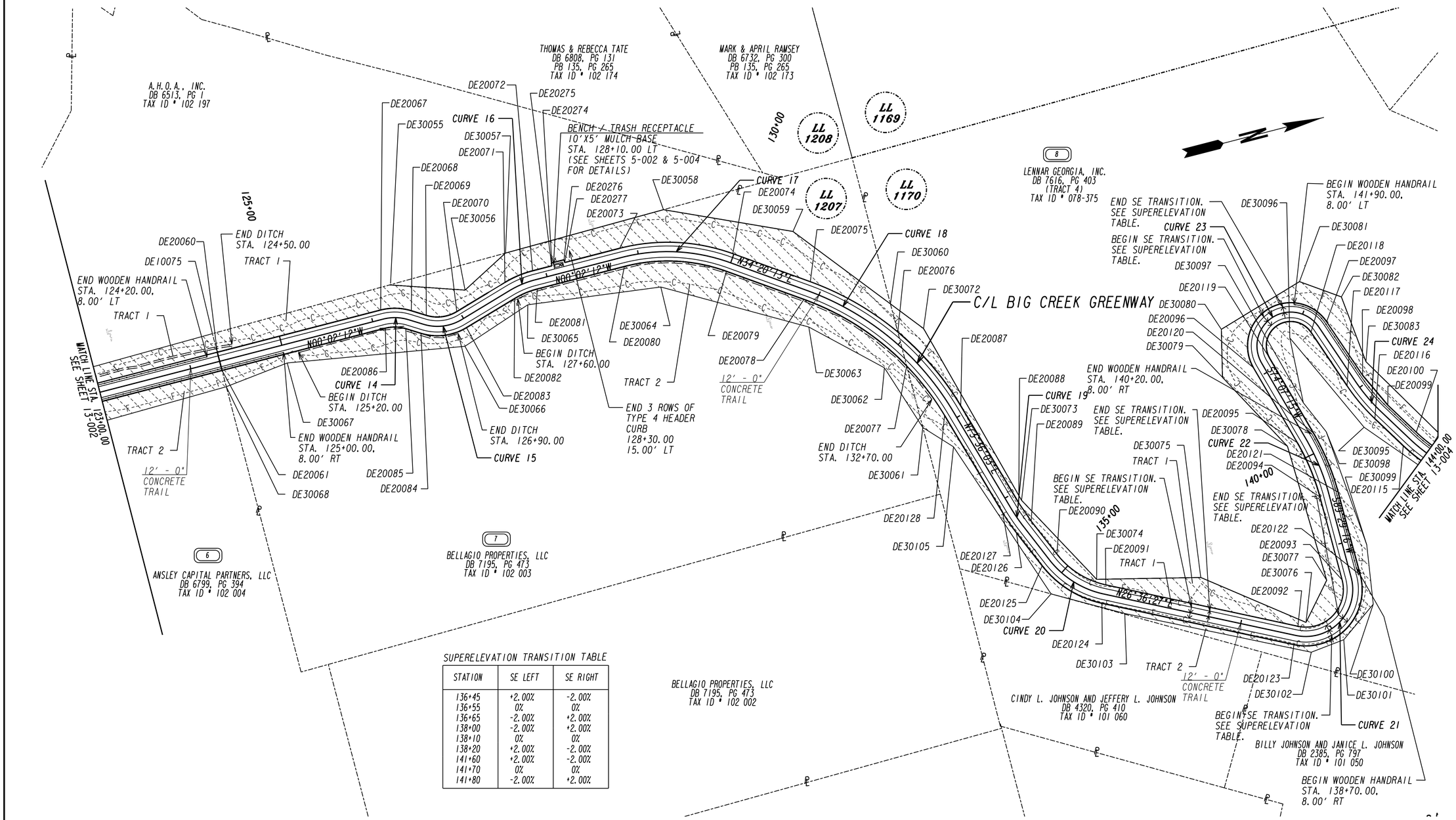
MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
13-002

02/12/2015 GPLN

2/9/2018 1:04:07 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_13-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	15	156



SUPERELEVATION TRANSITION TABLE

STATION	SE LEFT	SE RIGHT
136+45	+2.00%	-2.00%
136+55	0%	0%
136+65	-2.00%	+2.00%
138+00	-2.00%	+2.00%
138+10	0%	0%
138+20	+2.00%	-2.00%
141+60	+2.00%	-2.00%
141+70	0%	0%
141+80	-2.00%	+2.00%

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

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SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
13-003

02/12/2015 GPLN

2/9/2018	1:04:26 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_13-004.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V81-P0.tbl		GA	555554	16	156

DE30084
8
LENNAR GEORGIA, INC.
DB 7616, PG 403
(TRACT 4)
TAX ID # 078-375
CURVE 25
DE20101
TRACT 1
DE20102
145+00
SIDEWALK CONNECTING TRAIL TO PROPOSED TRAILHEAD
TYPE D RAMP GA DETAIL A3/A4
SPEED TABLE SEE SHEET 38-001
TYPE A RAMP GA DETAIL A3/A4
SEE SHEET 13-005
END WOODEN HANDRAIL STA. 148+50.00, 8.00' LT
DE20103
DE30085
DE30088
DE20107
DE20278
DE20106
DE20105
DE30087
DE30086
DE20104
EXIST R/W
DE20108
CHAMBLEE GAP ROAD
DE20279
DE30089
DE20109
EXIST R/W
150+00
DE30106
DE20129
DE20130
CURVE 31
DE20131
DE20132
DE30107
CURVE 32
DE20133
DE20134
DE30108
TRACT 3
DE20135
BEGIN WOODEN HANDRAIL STA. 152+40.00, 8.00' LT
8
LENNAR GEORGIA, INC.
DB 7616, PG 403
TAX ID # 078-375
DE20136
DE30109
DE20137
DE20138
155+00
C/L BIG CREEK GREENWAY
DE20139
DE20140
DE20141
DE30110
CURVE 36
MATCH LINE STA. 144+00.00
SEE SHEET 13-003
N36°55'37"E
DE20114
DE30094
TRACT 1
DE20113
12' - 0" CONCRETE TRAIL
N27°09'29"E
TRACT 2
DE30171
DE20233
CURVE 34
DE20232
CURVE 35
DE20230
DE30168
DE20229
CURVE 37
DE20142
N53°08'24"E
MATCH LINE STA. 159+00.00
SEE SHEET 13-006
DE30093
CURVE 26
TRACT 2
DE20112
DE30092
DE30091
DE20111
DE20235
DE30172
CURVE 33
TRACT 4
DE20236
12' - 0" CONCRETE TRAIL
DE20234
DE30170
DE20231
DE30169
END WOODEN HANDRAIL STA. 156+20.00, 8.00' LT
DE30167
DE20228
DE30166
BEGIN WOODEN HANDRAIL STA. 157+20.00, 8.00' LT
LL 1135
LL 1170
LL 1134
LL 1171
DE20237
DE20238
DE30174
DE20239
DE20240
END WOODEN HANDRAIL STA. 149+20.00, 8.00' LT
DE30175
CURVE 30
DE20241
BEGIN WOODEN HANDRAIL STA. 149+00.00, 8.00' LT
DE30176
DE20280
DE30173
8
LENNAR GEORGIA, INC.
DB 7616, PG 403
TAX ID # 078-375
CURVE 27
DE30090
DE20110
DE20350
DE20279
CURVE 28
DE20283
BILLY JOHNSON AND JANICE L. JOHNSON
DB 2385, PG 797
TAX ID # 101 050
EXIST R/W
EXIST R/W
BENCH / TRASH RECEPTACLE
10'X5' MULCH BASE
STA. 148+10.00 LT
(SEE SHEETS 5-002 & 5-004 FOR DETAILS)
CHAMBLEE GAP ROAD INTERSECTION
STA. 148+79.36
N-1534092.1386
E-2292223.9505
EXIST WATERMAIN TO REMAIN

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

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SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS
OFFICE:

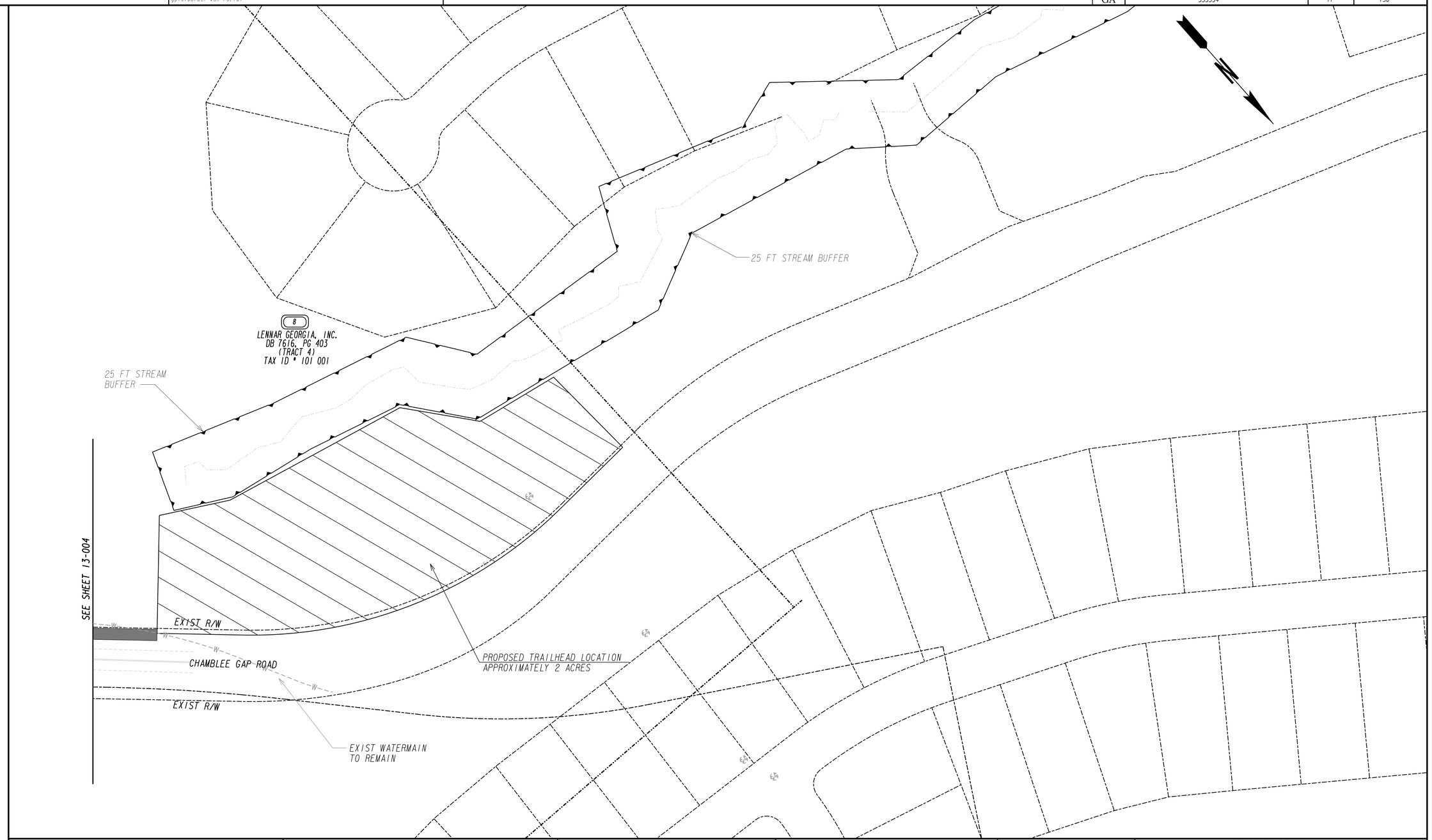
MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
13-004

02/12/2015 GPLN

2/9/2018 1:04:44 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_13-005.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	17	156



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

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3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
13-005

02/12/2015 GPLN

2/9/2018 1:05:00 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_13-006.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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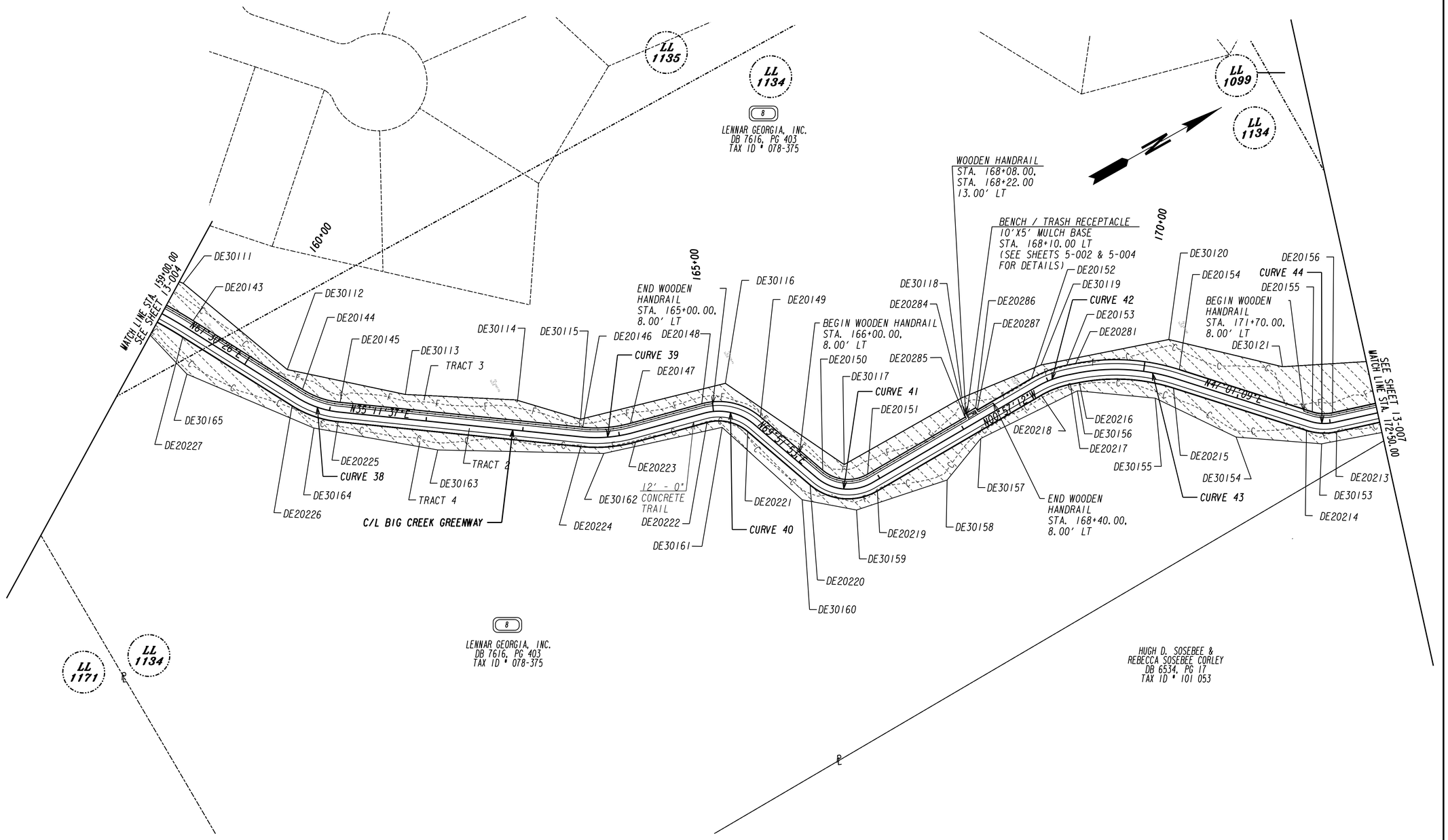

PROPERTY AND EXISTING R/W LINE	----------P----------
REQUIRED R/W LINE	————
CONSTRUCTION LIMITS	——C——F——
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	———ooo———ooo———
REQ'D R/W & LIMIT OF ACCESS	——III——III——

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3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
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Fax 678-336-7744
Web www.pondco.com

SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
13-006

02/12/2015 GPLN

2/9/2018 3:02:02 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_13-007.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	19	156

7

8

LENNAR GEORGIA, INC.
DB 7616, PG 403
TAX ID # 078-375

LL 1062

LL 1099

DE20157
DE30122
DE20158
DE20159
DE20160
CURVE 46
END WOODEN HANDRAIL
STA. 173+90.00,
8.00' LT
DE20161
CURVE 47
DE20162
DE30123
DE20163
CURVE 48
DE20164
DE20352
DE30124
CURVE 49
DE20165
DE20166
CURVE 50
DE30125
BEGIN WOODEN HANDRAIL
STA. 179+10.00,
8.00' LT
DE20167
DE20168
DE30126
CURVE 51
DE20169
DE20170
DE30127
CURVE 52
DE20171
DE20172
DE30128
DE20173
DE20174
DE30129
TRACT 3
CURVE 54
DE30130
DE20175
DE20176
DE30131
DE20177
DE20178
DE30132
DE20179
DE20180
DE30133
DE20181
175+00
180+00
185+00
MATCH LINE STA. 181+00.00
SEE SHEET 13-008
DE30140
DE20194
DE30139
DE20193
DE20192
DE20191
DE30138
CURVE 56
DE20190
DE20189
DE20188
12' - 0" CONCRETE TRAIL
CURVE 55
DE30141
CURVE 53
DE20195
DE20196
DE20198
DE20197
DE30142
DE20199
TRACT 4
DE30143
DE20201
DE20200
DE30144
DE20202
DE30145
DE30146
DE30147
DE20203
TRACT 2
DE30148
DE20204
DE20206
DE20207
DE20208
DE30150
DE20205
DE20282
DE30149
C/L BIG CREEK GREENWAY
DE30151
DE10145
MATCH LINE STA. 172+50.00
SEE SHEET 13-006
DE20209
DE20210
DE20211
CURVE 45
DE30152
DE20212
LL 1134
LL 1099
LL 1100
HUGH D. SOSEBEE &
REBECCA SOSEBEE CORLEY
DB 6534, PG 17
TAX ID # 101 053
FORSYTH COUNTY, GEORGIA
DB 4975, PG 56
TAX ID # 101 006

PROPERTY AND EXISTING R/W LINE	----------℄----------
REQUIRED R/W LINE	————
CONSTRUCTION LIMITS	– – C – – F – –
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	——ooo——ooo——
REQ'D R/W & LIMIT OF ACCESS	——|||——|||——

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
13-007

02/12/2015 GPLN

2/9/2018 1:05:34 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_13-008.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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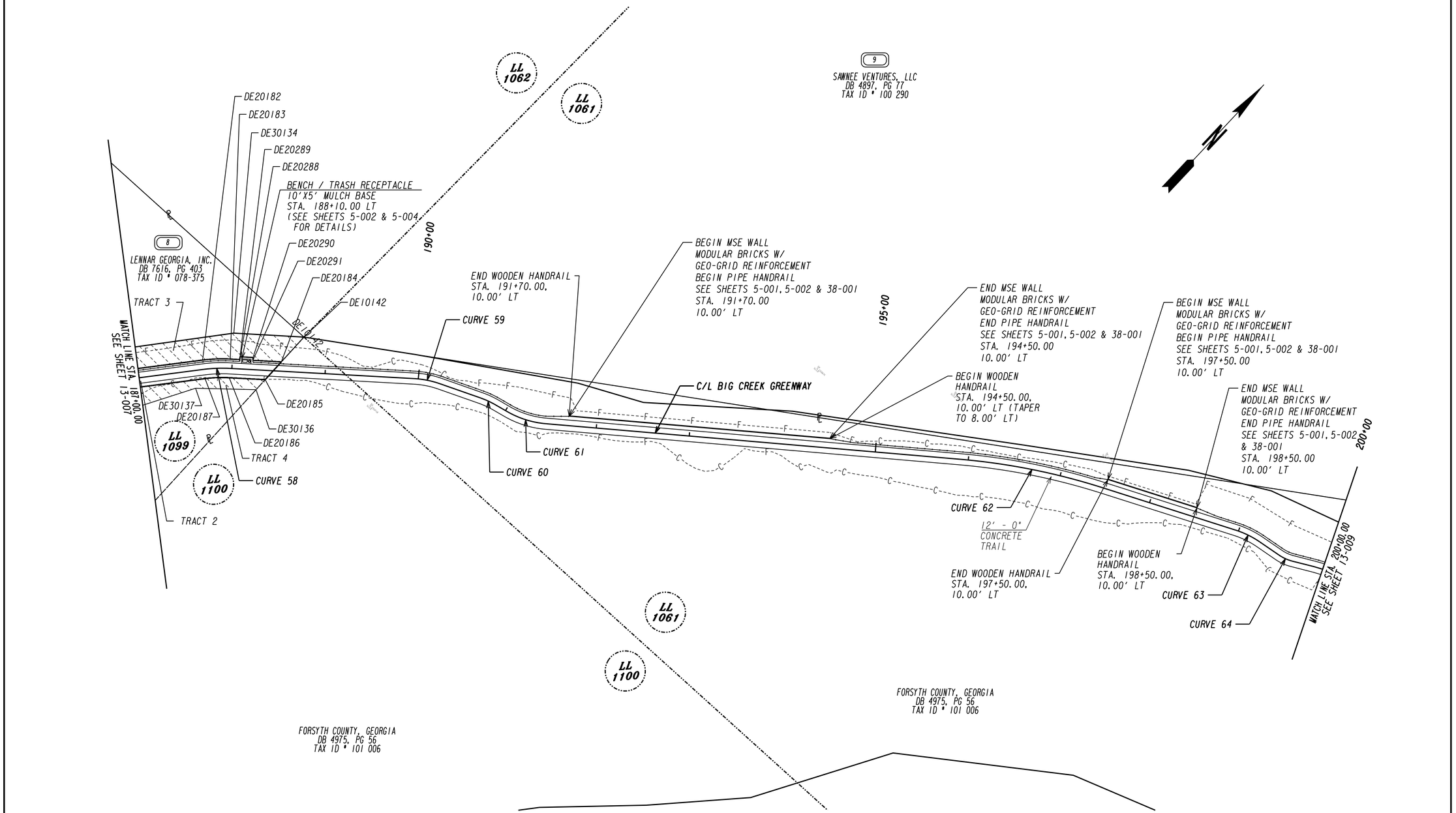

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	-C- -F-
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

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

POND
3500 Parkway Lane
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SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

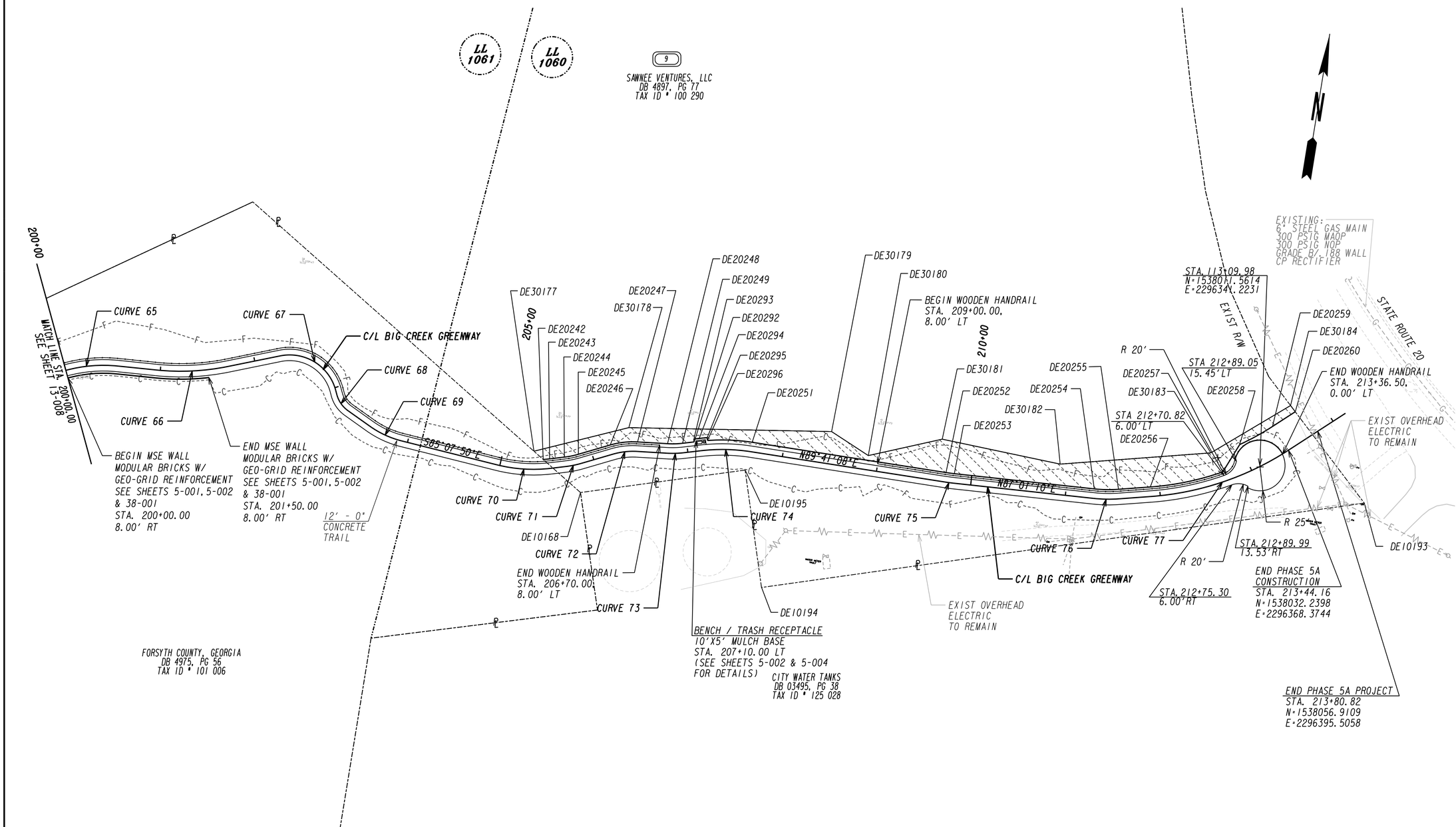
MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING NO.
13-008

02/12/2015 GPLN

2/9/2018 1:05:51 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_13-009.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-PO.tbl		GA	555554	21	156



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 & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

02/12/2015 GPLN

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
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Fax 678-336-7744
Web www.pondco.com

SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

MAINLINE PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
13-009

2/9/2018 1:07:50 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_15-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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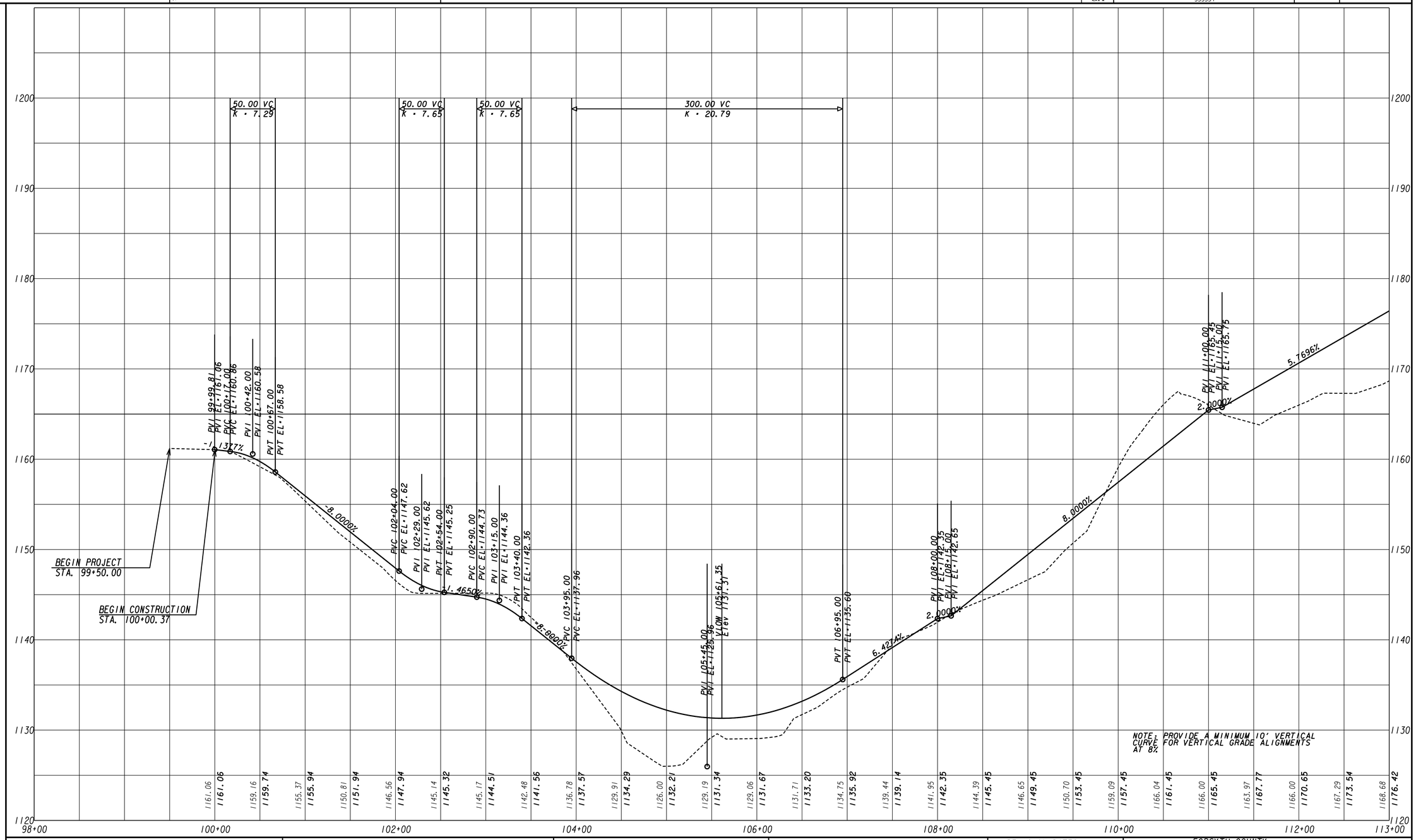

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3500 Parkway Lane
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SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 50 feet Horz.

REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

MAINLINE PROFILE

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
15-001

11/30/2011 GRIEDG

2/9/2018	1:07:31 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_15-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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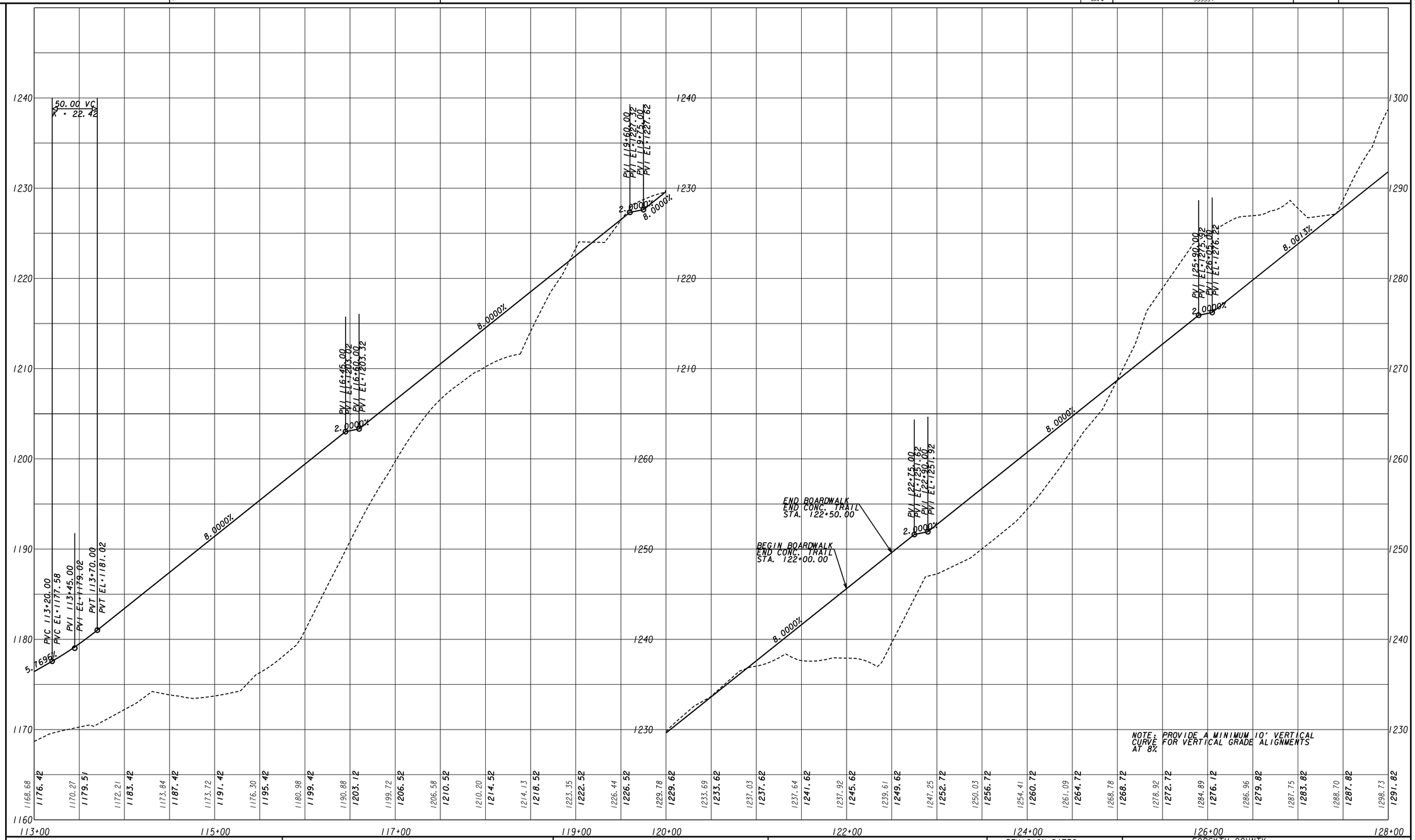

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SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 50 feet Horz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

MAINLINE PROFILE

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
15-002

11/30/2011 GRIEDG

2/9/2018 1:07:13 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_15-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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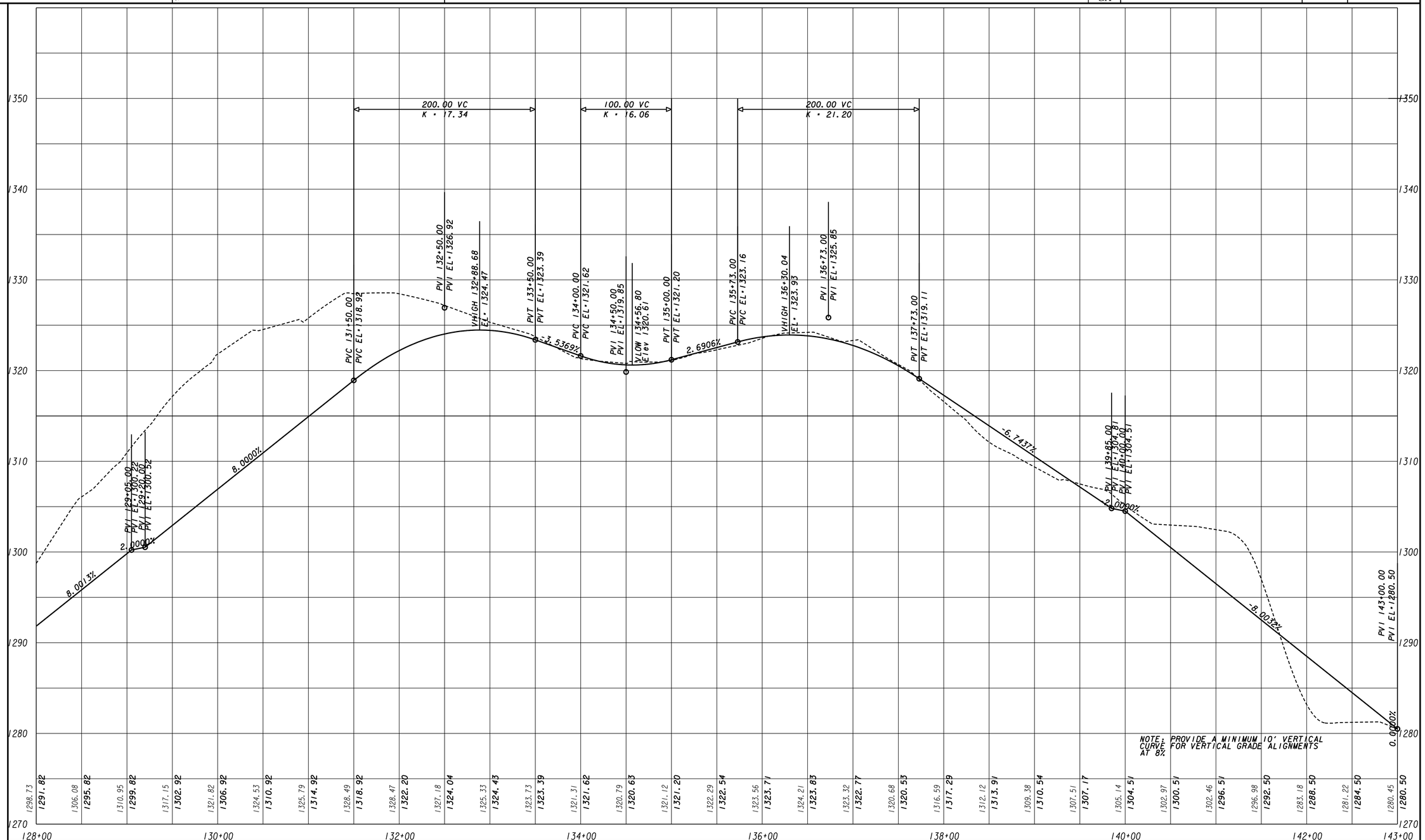

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Web www.pondco.com

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 50 feet Horz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

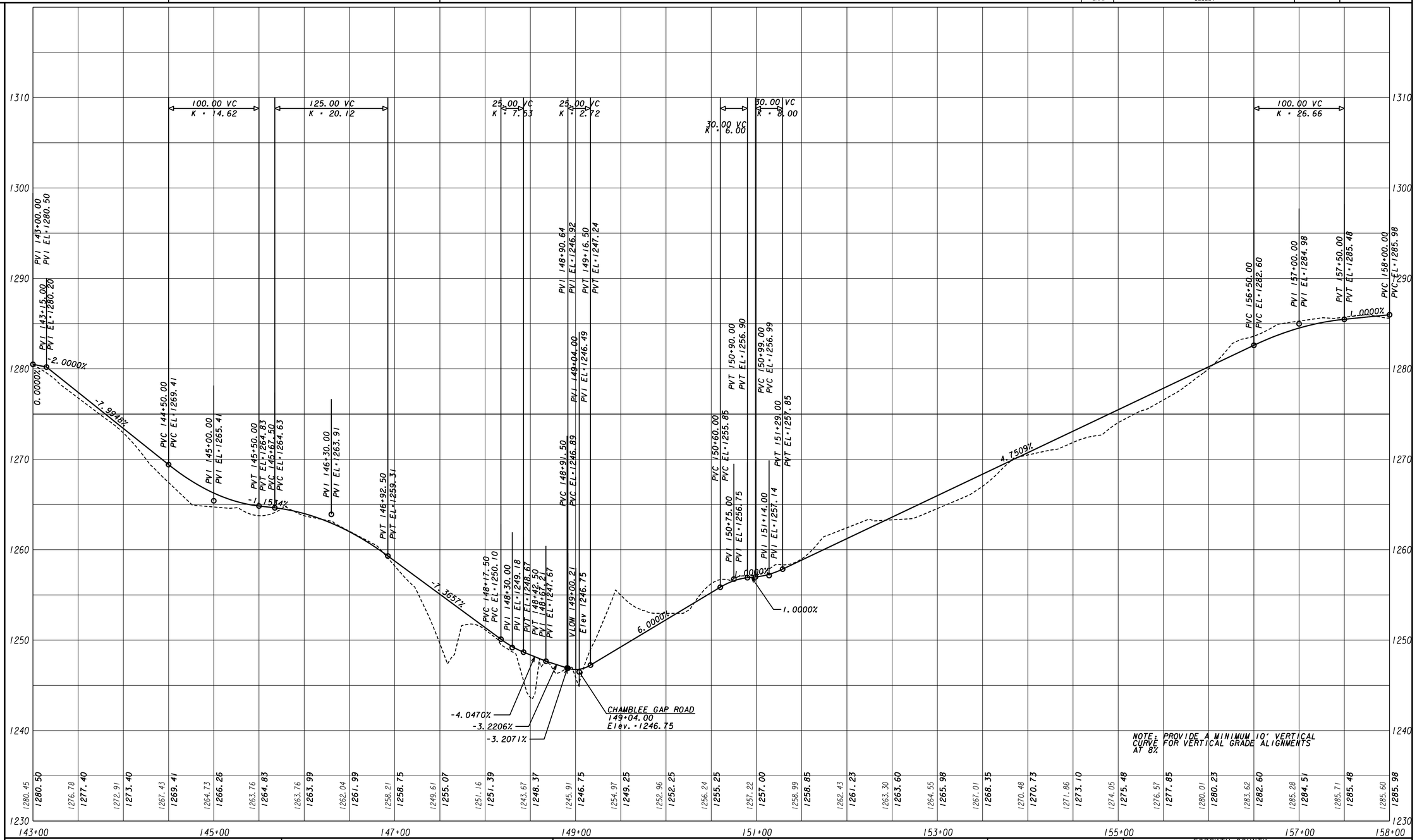
MAINLINE PROFILE

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
15-003

11/30/2011 GRIEDG

2/9/2018 1:06:55 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_15-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-PO.tbl		GA	555554	25	156



		POND 3500 Parkway Lane Suite 600 Peachtree Corners, Ga. 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 5 feet Vert. SCALE 1 inch = 50 feet Horz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: MAINLINE PROFILE BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 15-004

11/30/2011 GRIEDG

2/9/2018 1:06:38 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_15-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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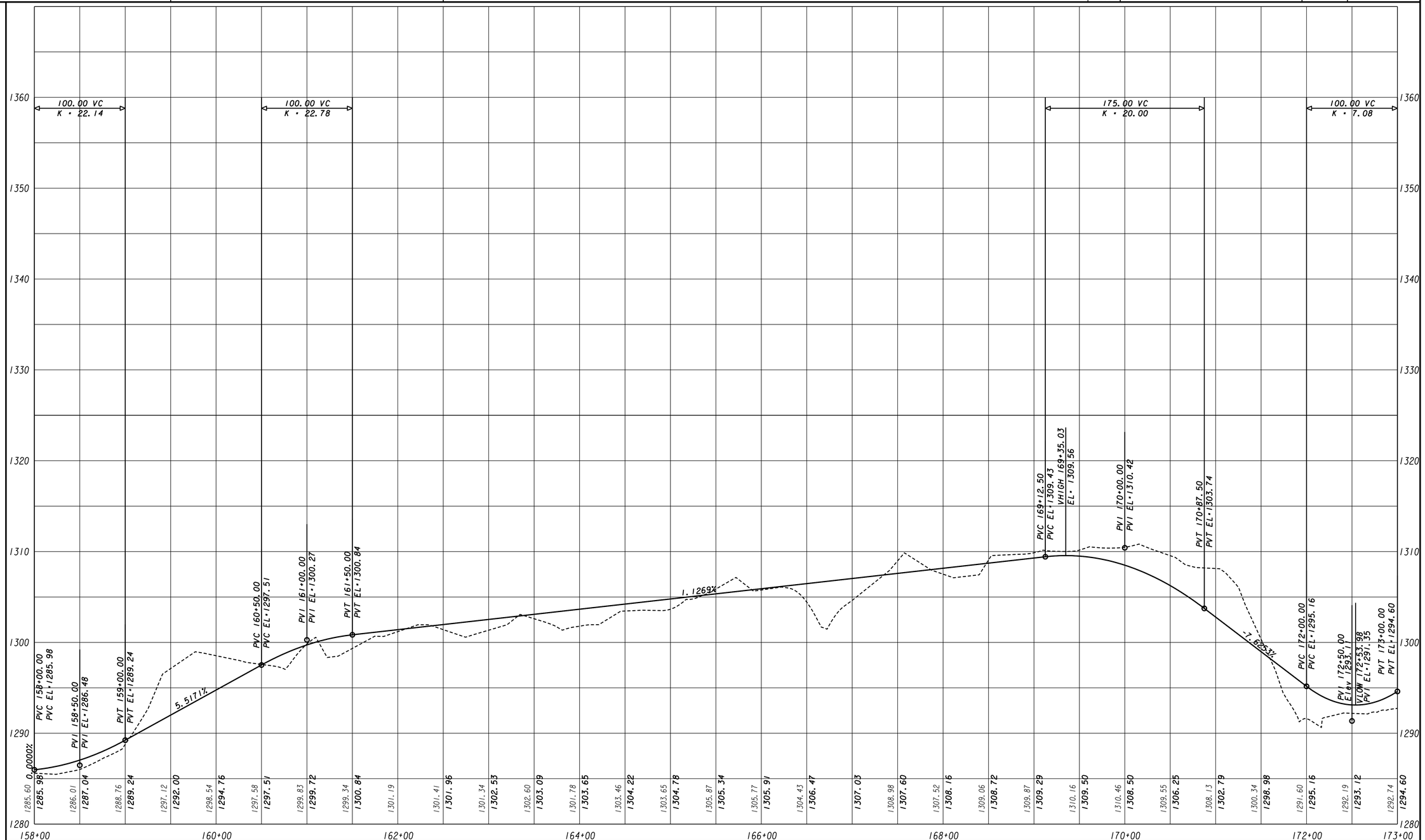

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3500 Parkway Lane
Suite 600
Norcross, Ga. 30092
Phone 678-336-7740
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SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 50 feet Horz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMISSIONERS

OFFICE:

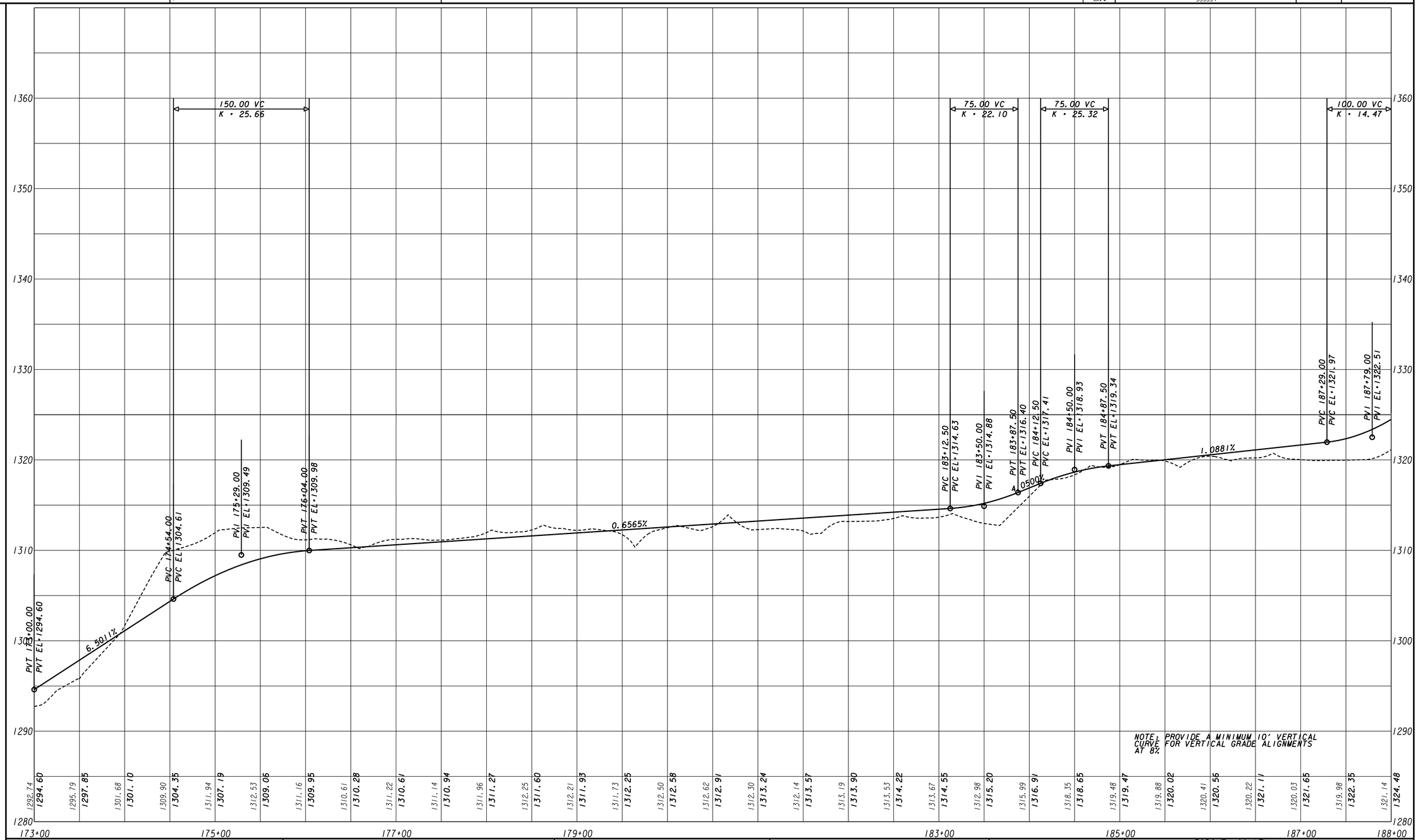
MAINLINE PROFILE

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
15-005

11/30/2011 GRIEDG

2/9/2018 1:08:08 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_15-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	27	156



11/30/2011 GRIEDG

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Suite 600
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Fax 678-336-7744
Web www.pondco.com

SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 50 feet Horz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

MAINLINE PROFILE

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
15-006

2/9/2018 1:08:26 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_15-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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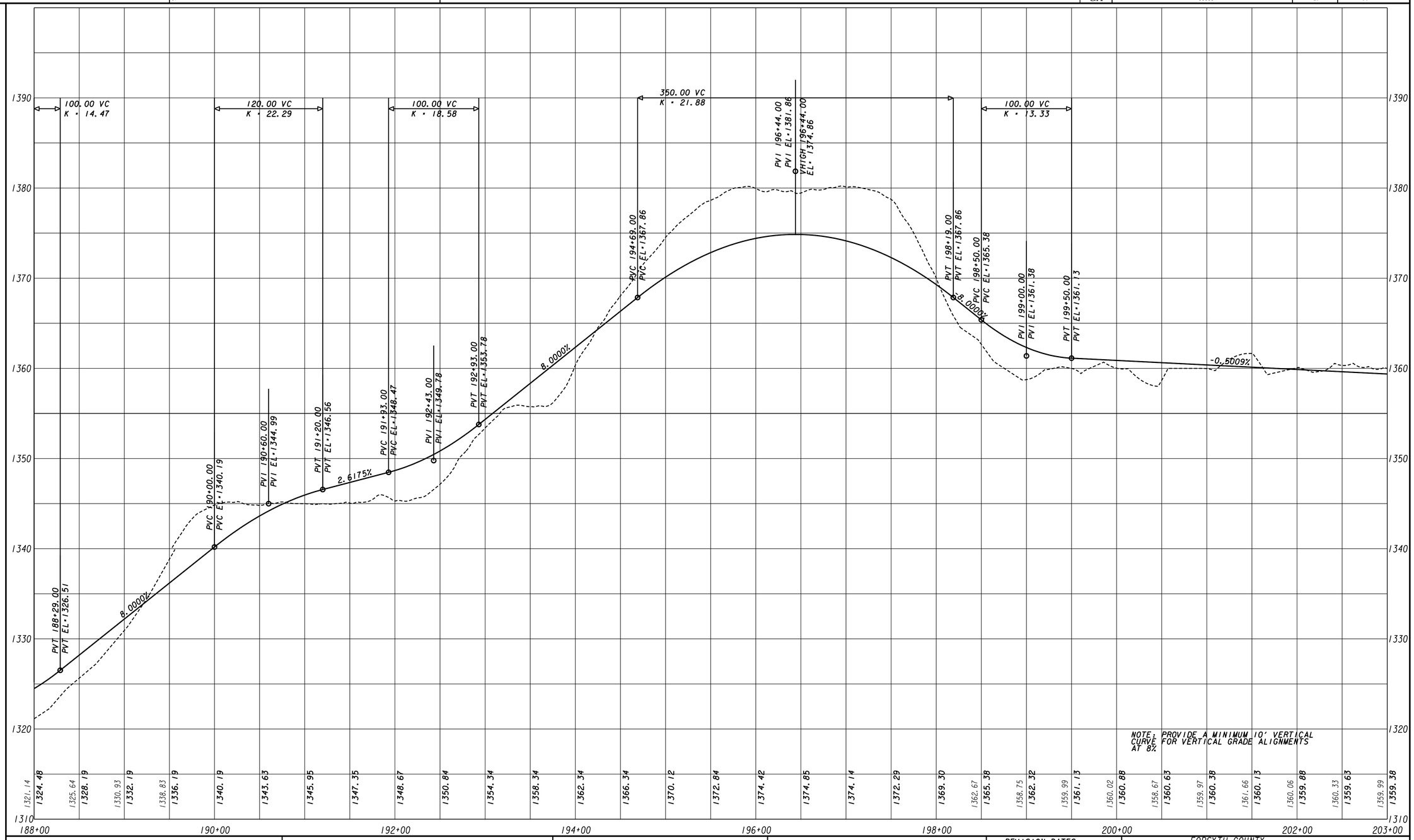

NOTE: PROVIDE A MINIMUM 10' VERTICAL CURVE FOR VERTICAL GRADE ALIGNMENTS AT 8%

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SCALE 1 inch = 5 feet Vert.
SCALE 1 inch = 50 feet Horz.

REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

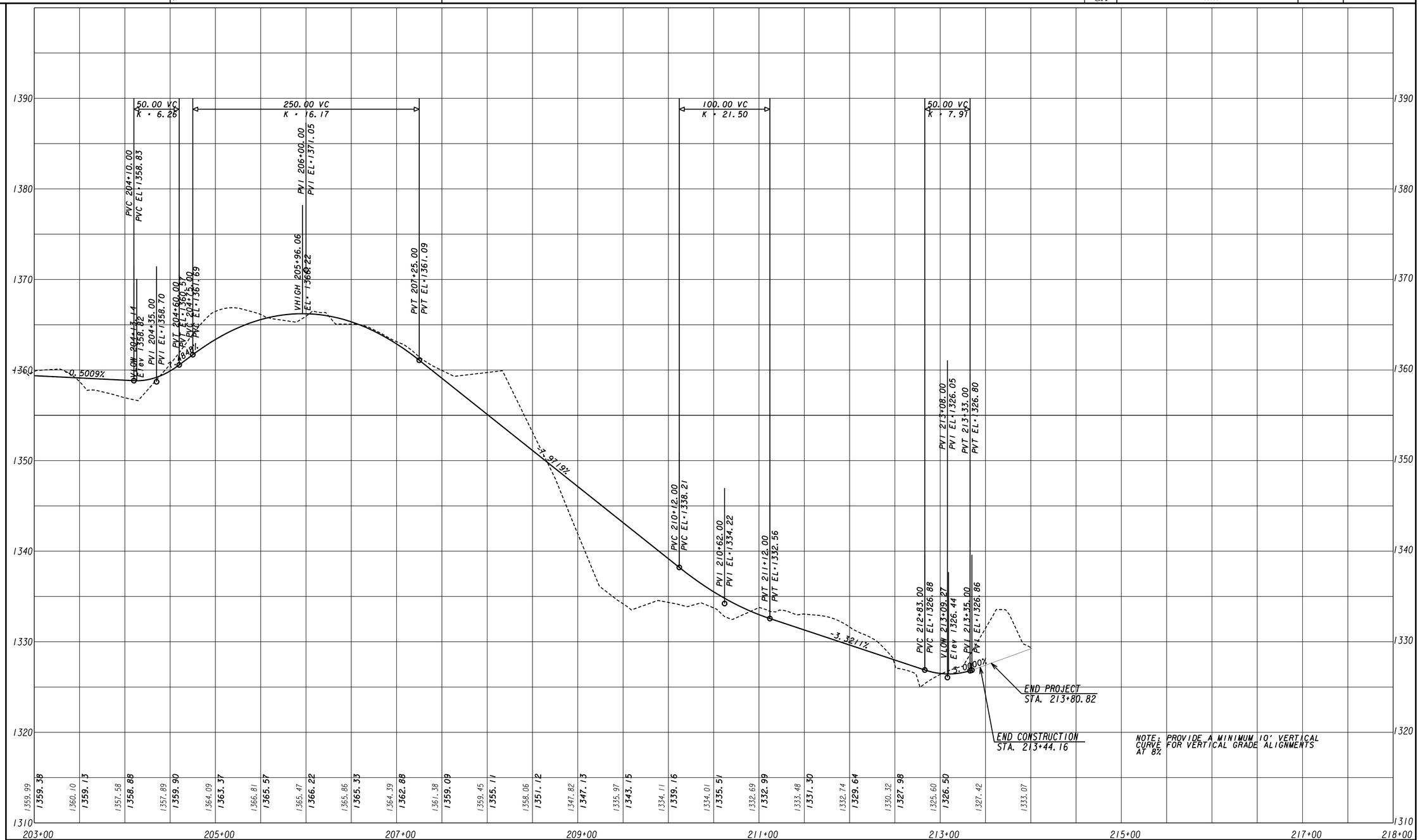
MAINLINE PROFILE

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
15-007

11/30/2011 GRIEDG

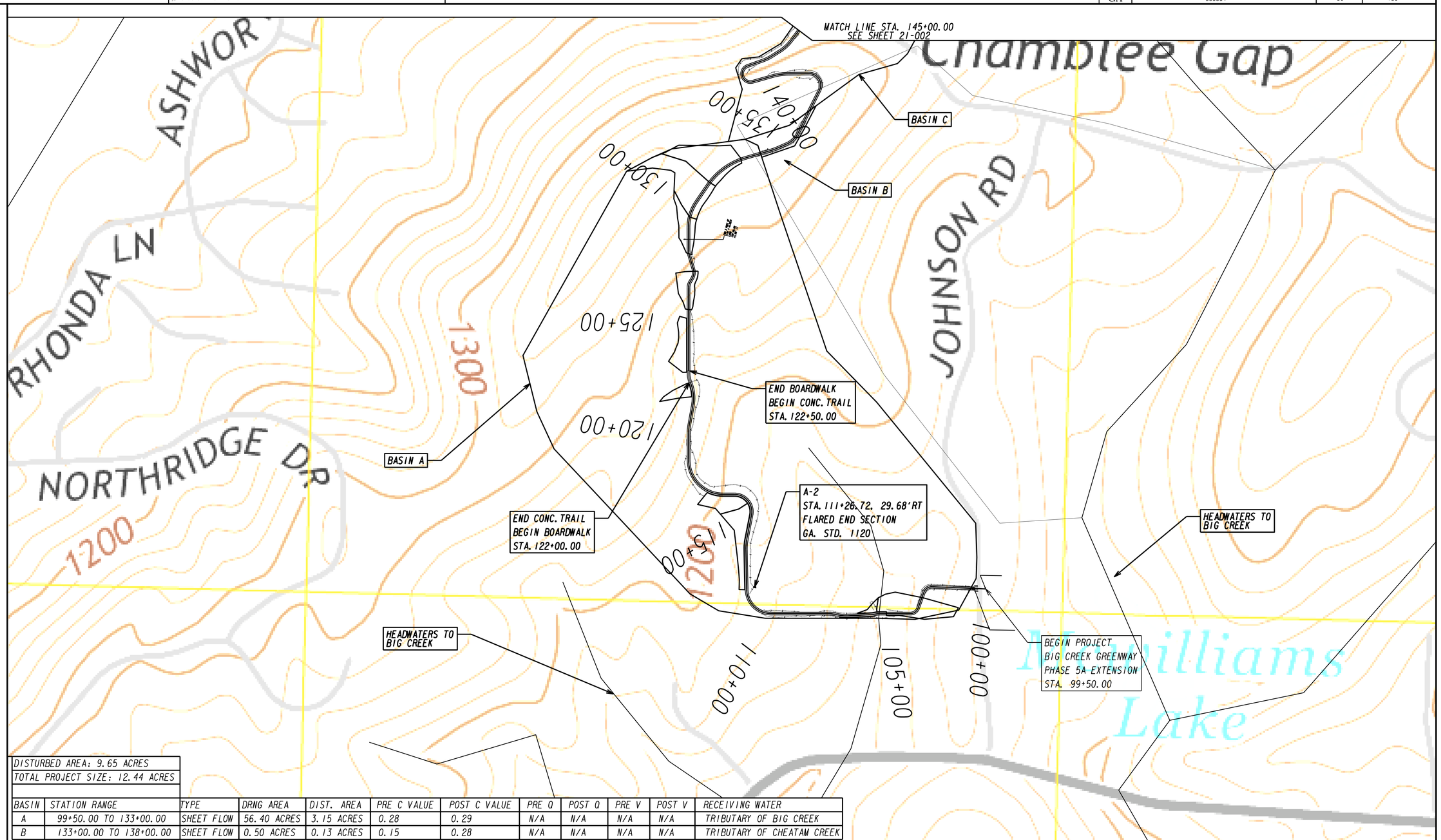
2/9/2018 1:08:43 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_15-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	29	156



		POND 3500 Parkway Lane Suite 600 Peachtree Corners, Ga. 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 5 feet Vert. SCALE 1 inch = 50 feet Horz.	REVISION DATES FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: MAINLINE PROFILE BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 15-008

11/30/2011 GRIEDG

2/9/2018 1:10:17 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_21-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	30	156



DISTURBED AREA: 9.65 ACRES											
TOTAL PROJECT SIZE: 12.44 ACRES											
BASIN	STATION RANGE	TYPE	DRNG AREA	DIST. AREA	PRE C VALUE	POST C VALUE	PRE Q	POST Q	PRE V	POST V	RECEIVING WATER
A	99+50.00 TO 133+00.00	SHEET FLOW	56.40 ACRES	3.15 ACRES	0.28	0.29	N/A	N/A	N/A	N/A	TRIBUTARY OF BIG CREEK
B	133+00.00 TO 138+00.00	SHEET FLOW	0.50 ACRES	0.13 ACRES	0.15	0.28	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK

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

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

SCALE IN FEET
0 200 400 800

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

DRAINAGE AREA MAP

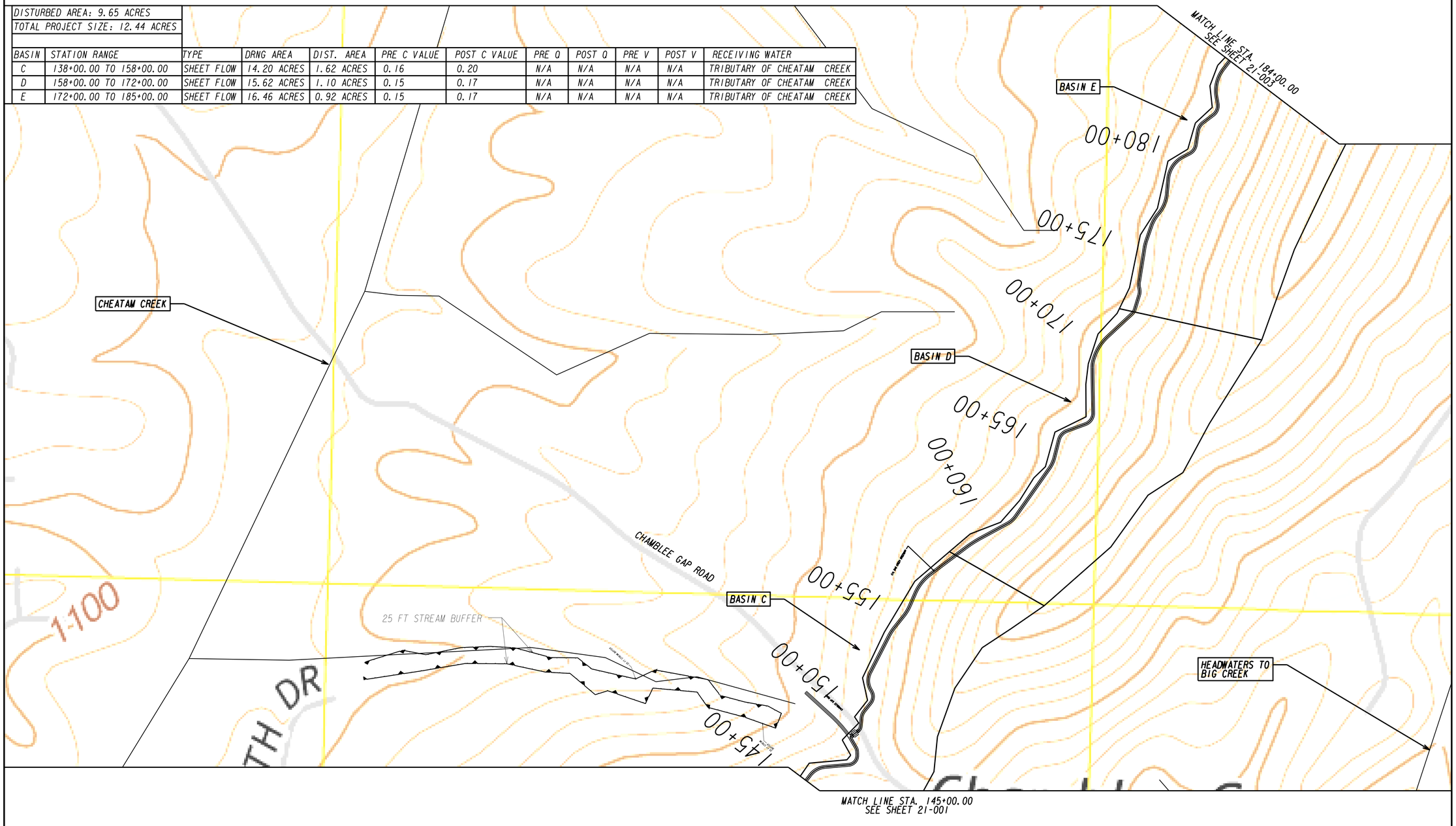
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
21-001

02/12/2015 GPLN

DISTURBED AREA: 9.65 ACRES
TOTAL PROJECT SIZE: 12.44 ACRES

BASIN	STATION RANGE	TYPE	DRNG AREA	DIST. AREA	PRE C VALUE	POST C VALUE	PRE Q	POST Q	PRE V	POST V	RECEIVING WATER
C	138+00.00 TO 158+00.00	SHEET FLOW	14.20 ACRES	1.62 ACRES	0.16	0.20	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK
D	158+00.00 TO 172+00.00	SHEET FLOW	15.62 ACRES	1.10 ACRES	0.15	0.17	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK
E	172+00.00 TO 185+00.00	SHEET FLOW	16.46 ACRES	0.92 ACRES	0.15	0.17	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK



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

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

SCALE IN FEET
0 200 400 800

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

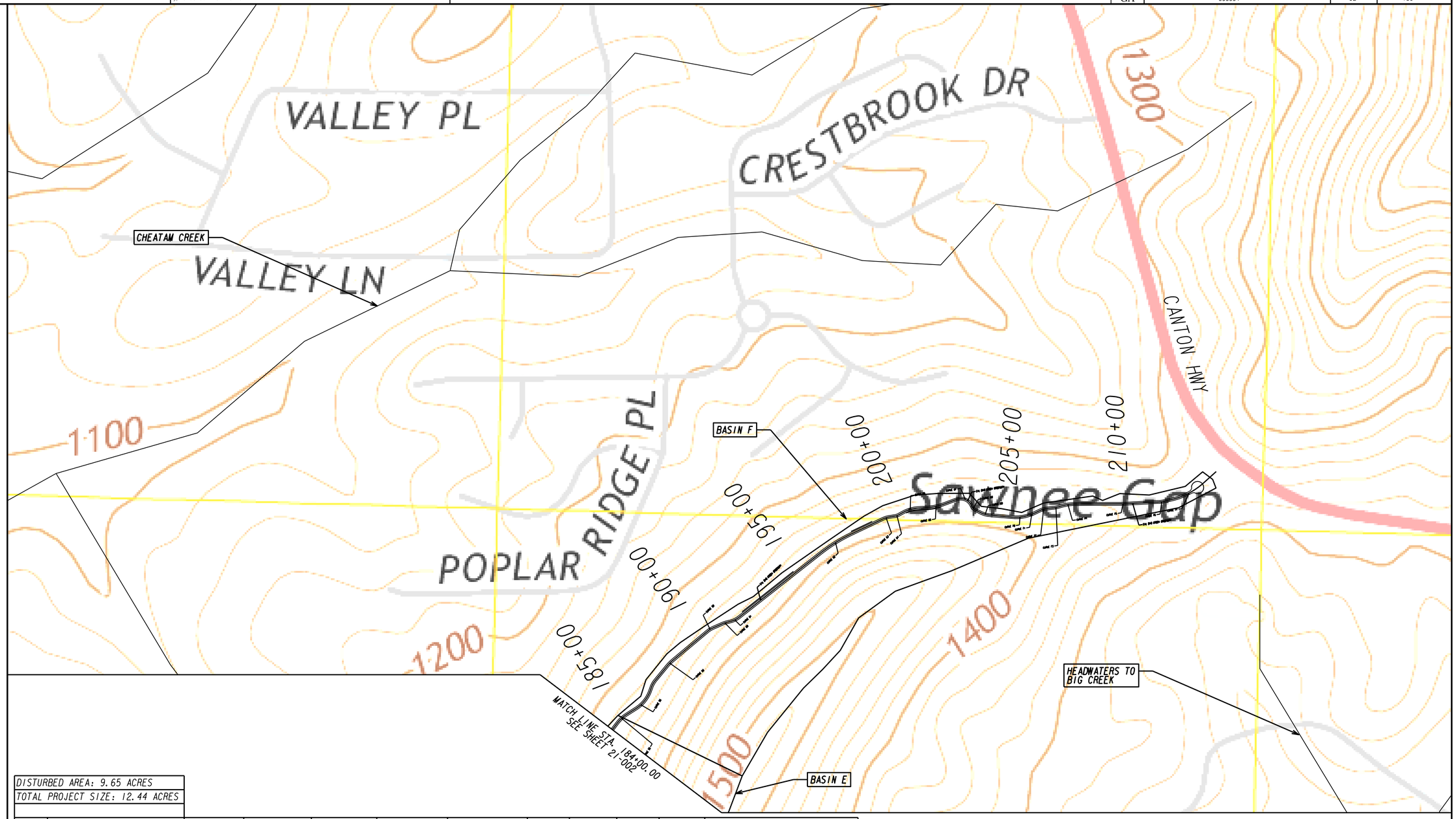
DRAINAGE AREA MAP

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 21-002

02/12/2015 GPLN

2/9/2018 1:11:46 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_21-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	32	156



DISTURBED AREA: 9.65 ACRES
TOTAL PROJECT SIZE: 12.44 ACRES

BASIN	STATION RANGE	TYPE	DRNG AREA	DIST. AREA	PRE C VALUE	POST C VALUE	PRE Q	POST Q	PRE V	POST V	RECEIVING WATER
F	185+00.00 TO 213+35.00	SHEET FLOW	18.69 ACRES	2.73 ACRES	0.15	0.19	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK

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

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
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SCALE IN FEET
0 200 400 800

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS
OFFICE:

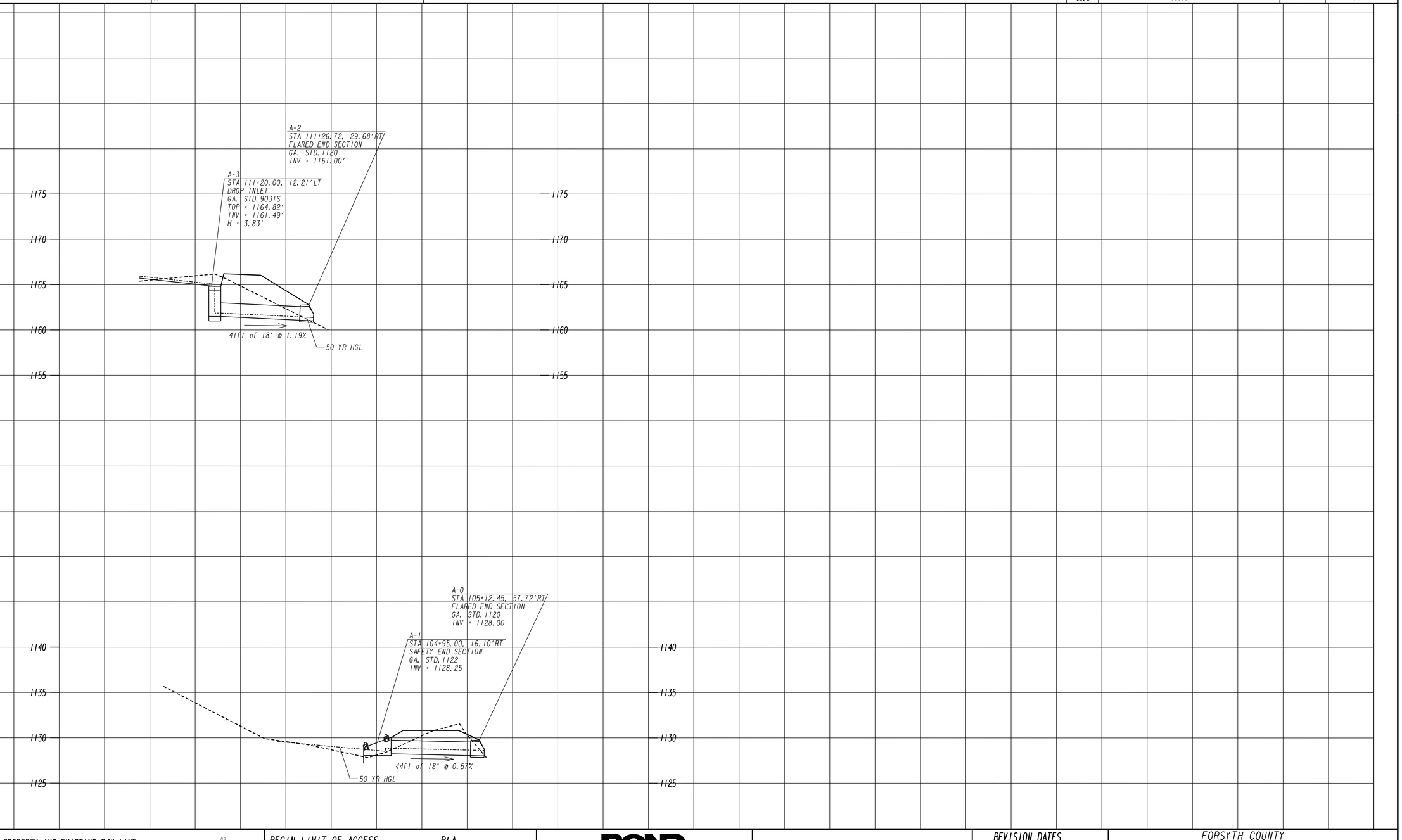
DRAINAGE AREA MAP

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
21-003

02/12/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	33	156



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

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3500 Parkway Lane
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Peachtree Corners, 30092
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Web www.pondco.com

SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

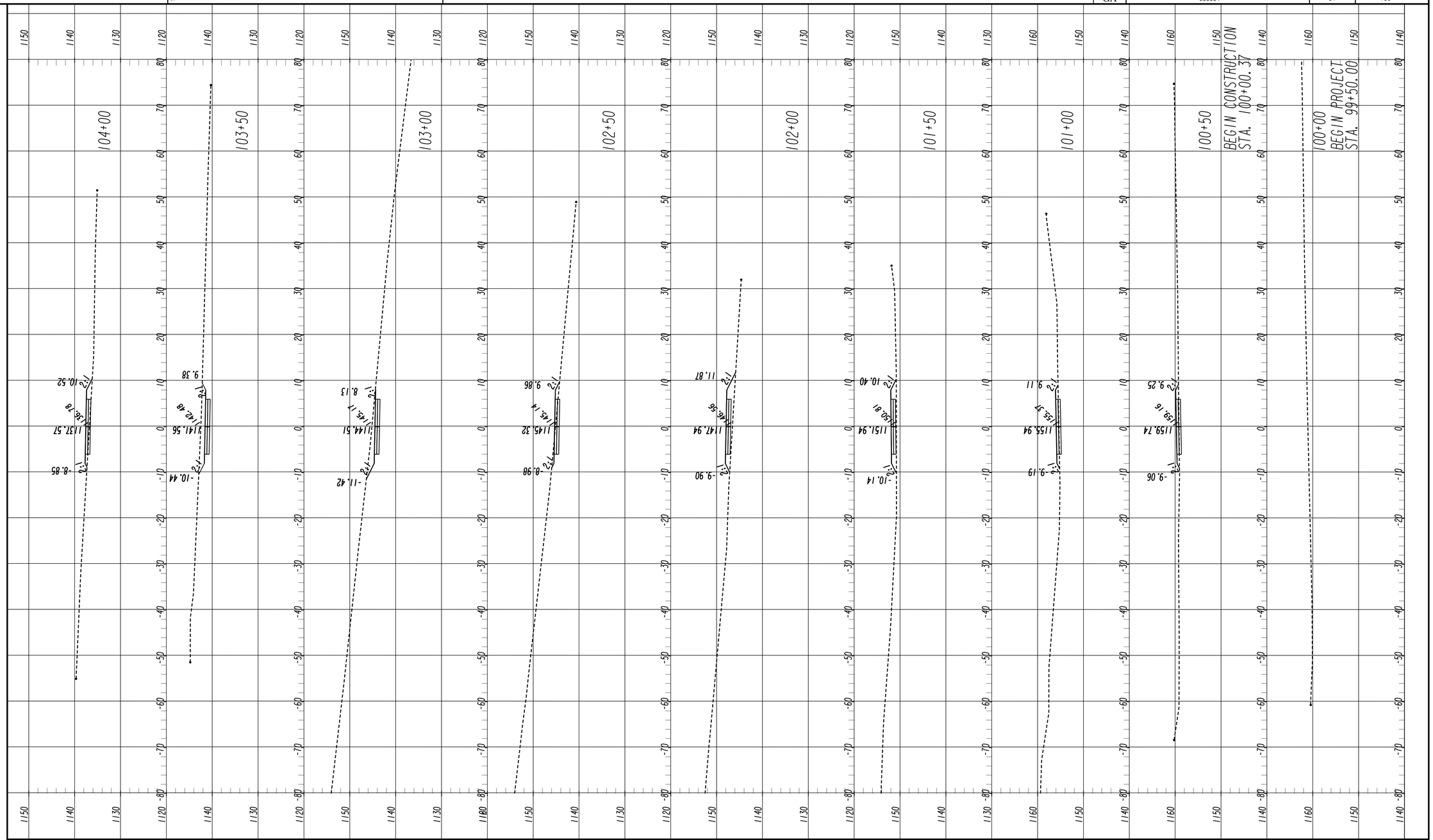
DRAINAGE PROFILES

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
22-001

02/12/2015 GPLN

2/9/2018 1:13:43 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	34	156



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Fax 678-336-7744
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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-001

02/12/2015 GPLN

2/9/2018 1:14:53 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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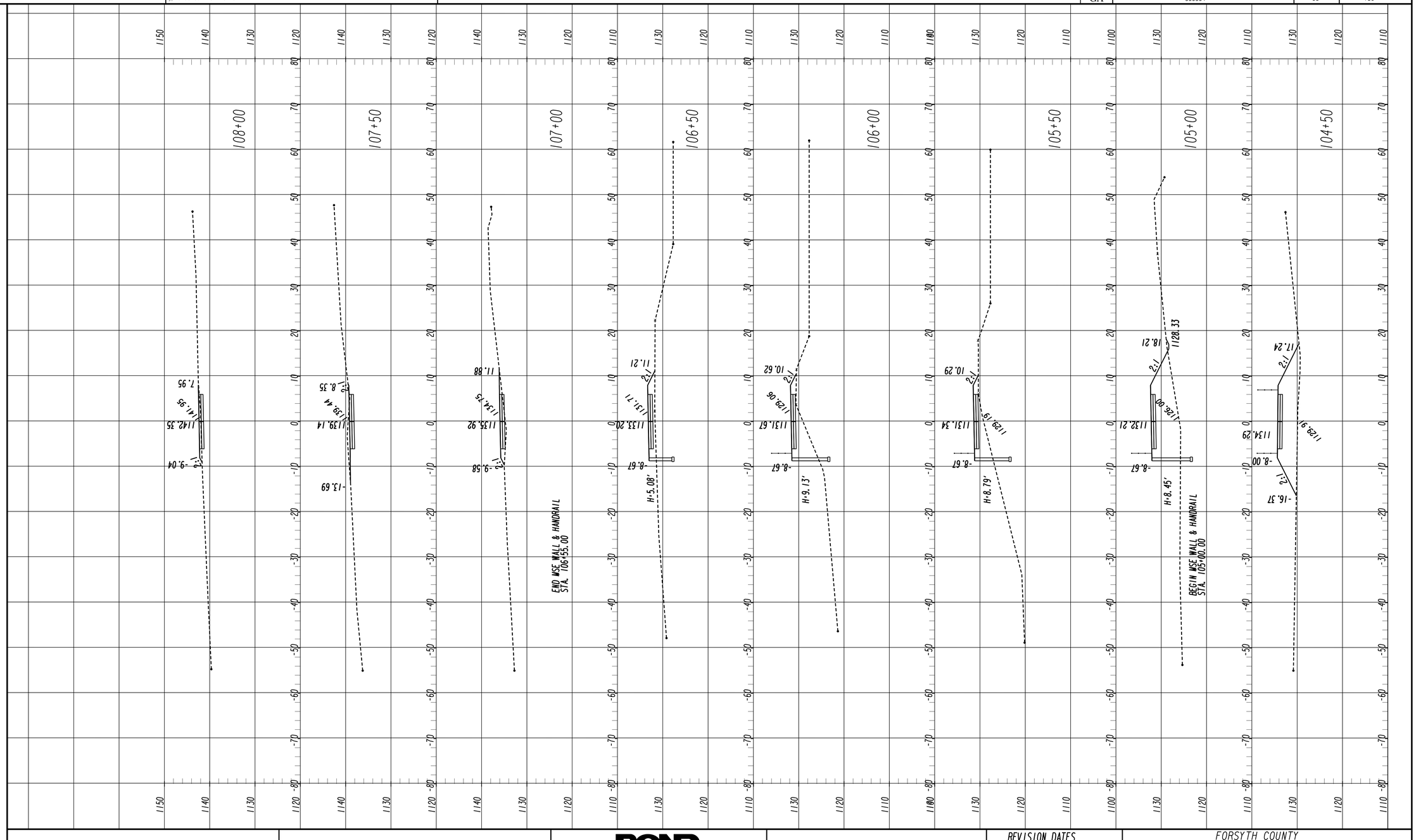
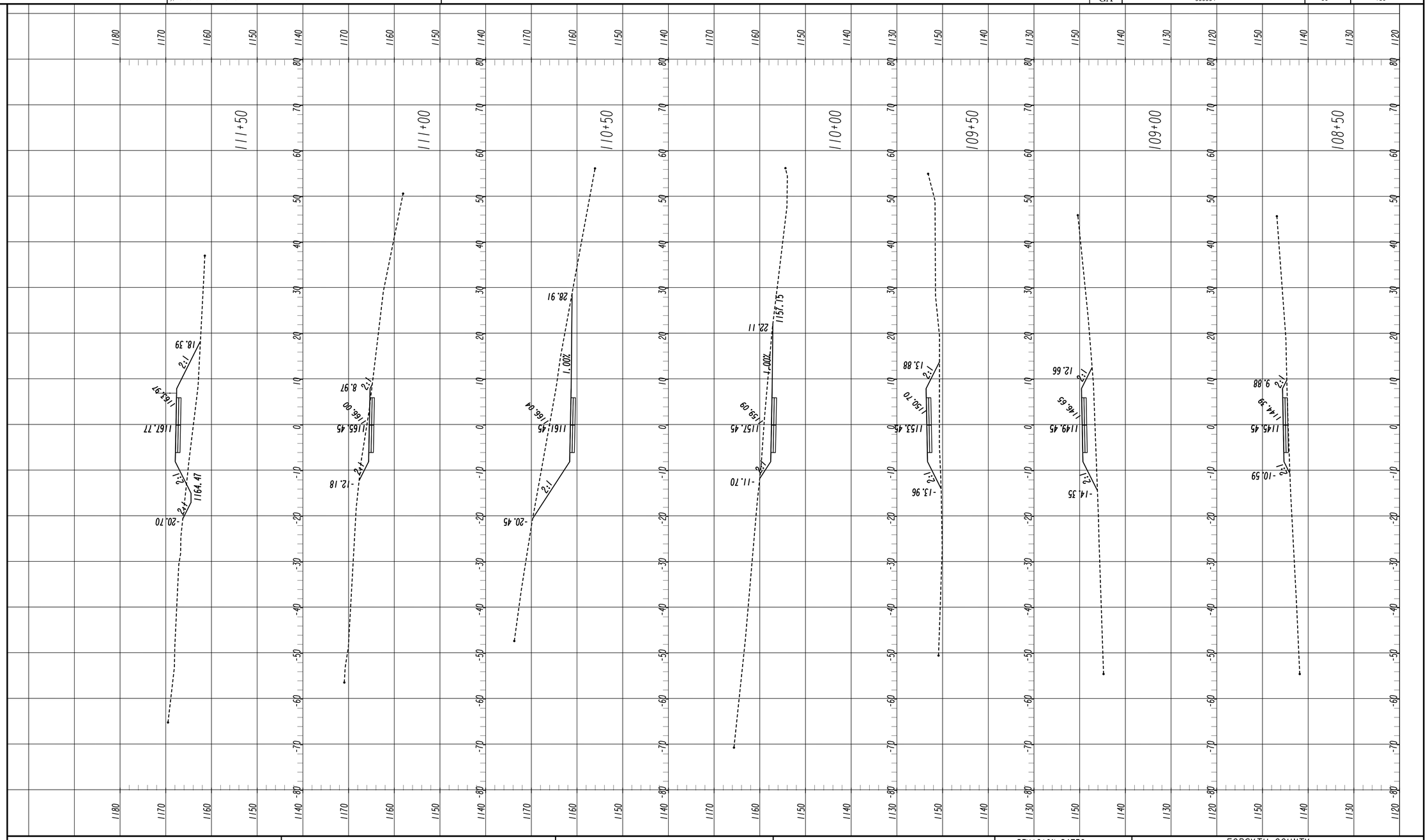


				REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS
		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.		OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-002

02/12/2015 GPLN

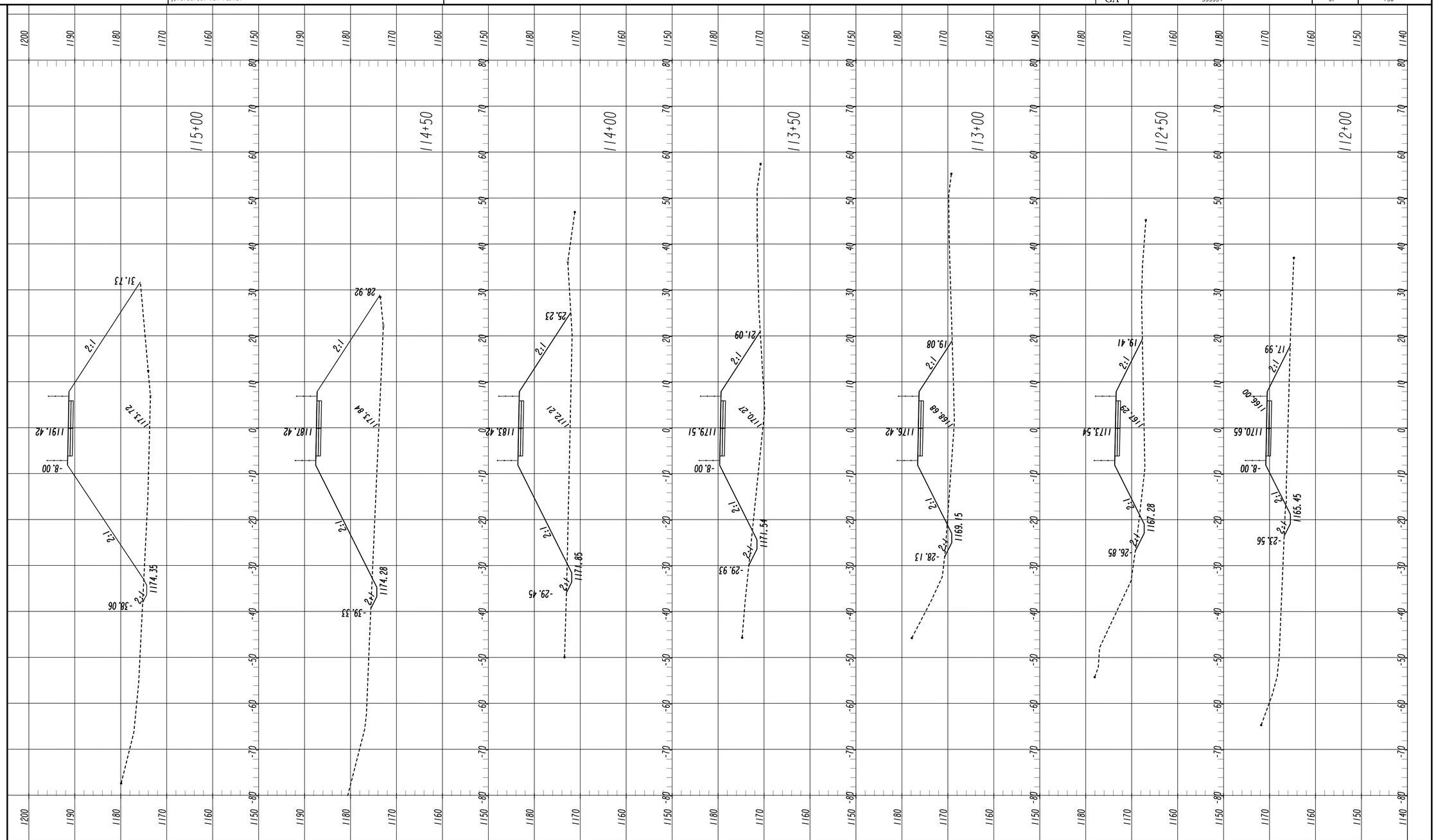
2/9/2018 1:16:06 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	36	156



		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-003

02/12/2015 GPLN

2/9/2018 1:17:18 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	37	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

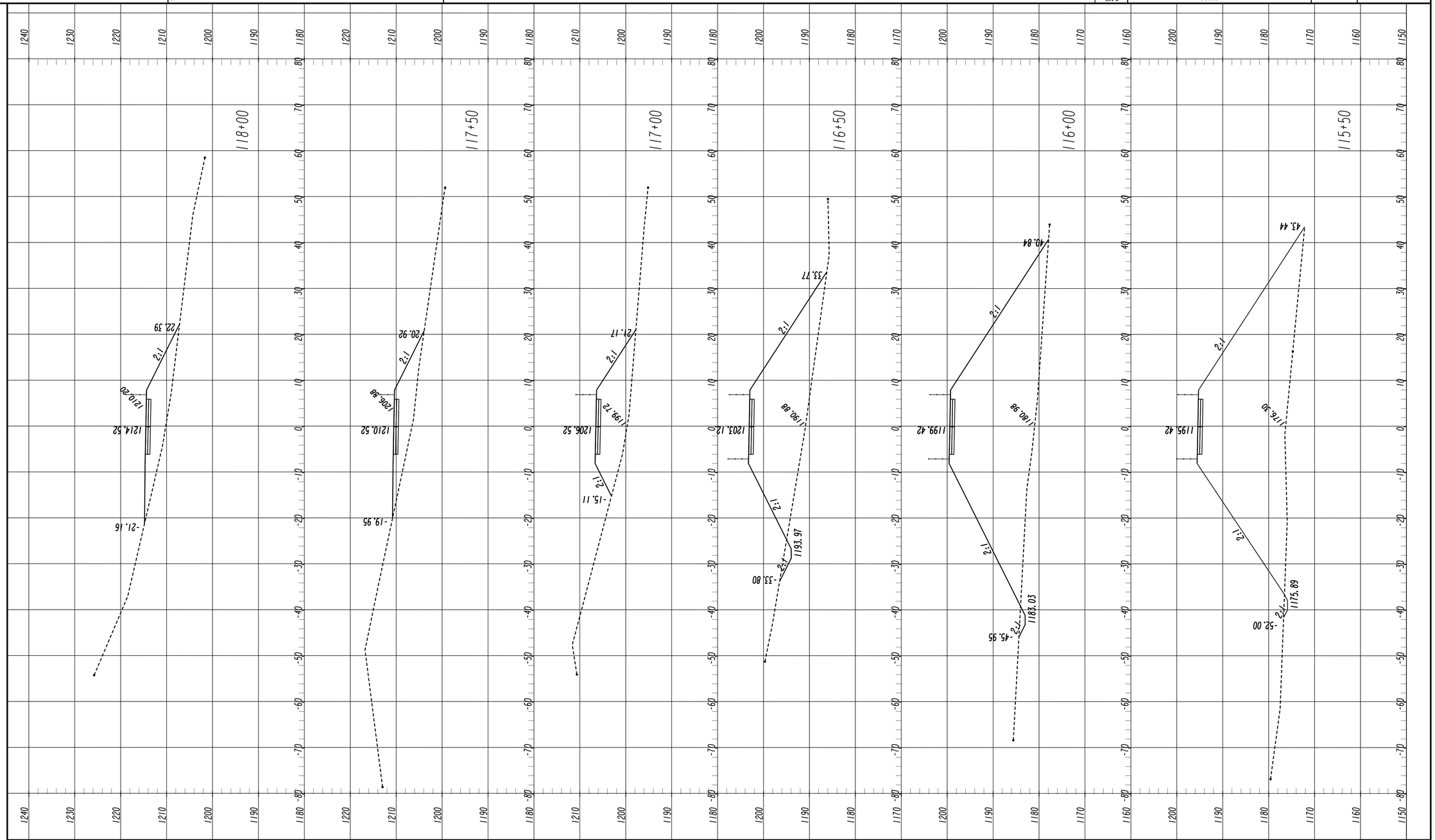
DRAWING No.
23-004

02/12/2015 GPLN

2/9/2018 1:18:27 PM | GPLOT-V8 | M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn

USER:AbdellaK | gplotborder-V81-P0.tbl

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	38	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

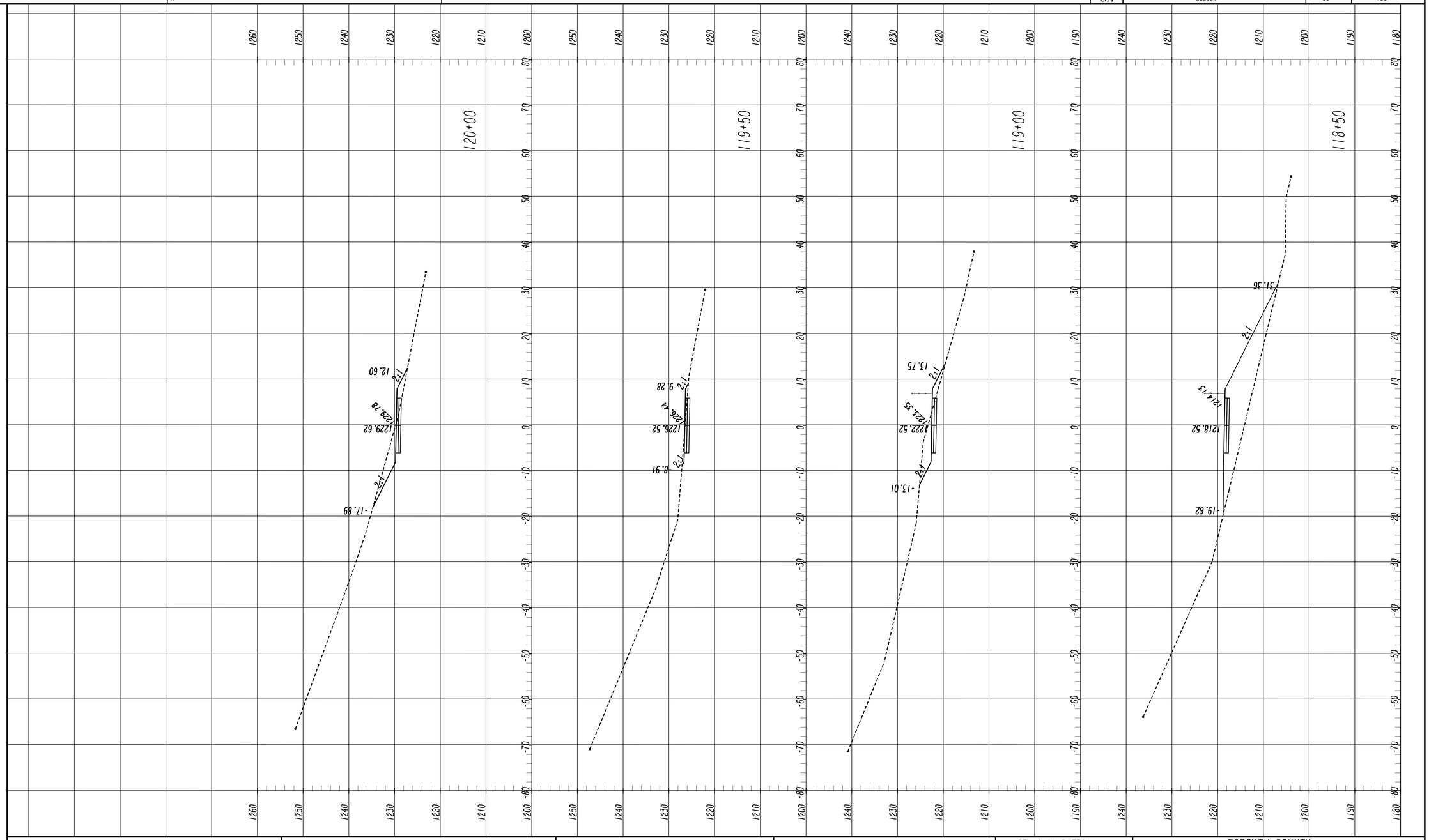
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-005

02/12/2015 GPLN

2/9/2018 1:19:36 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	39	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

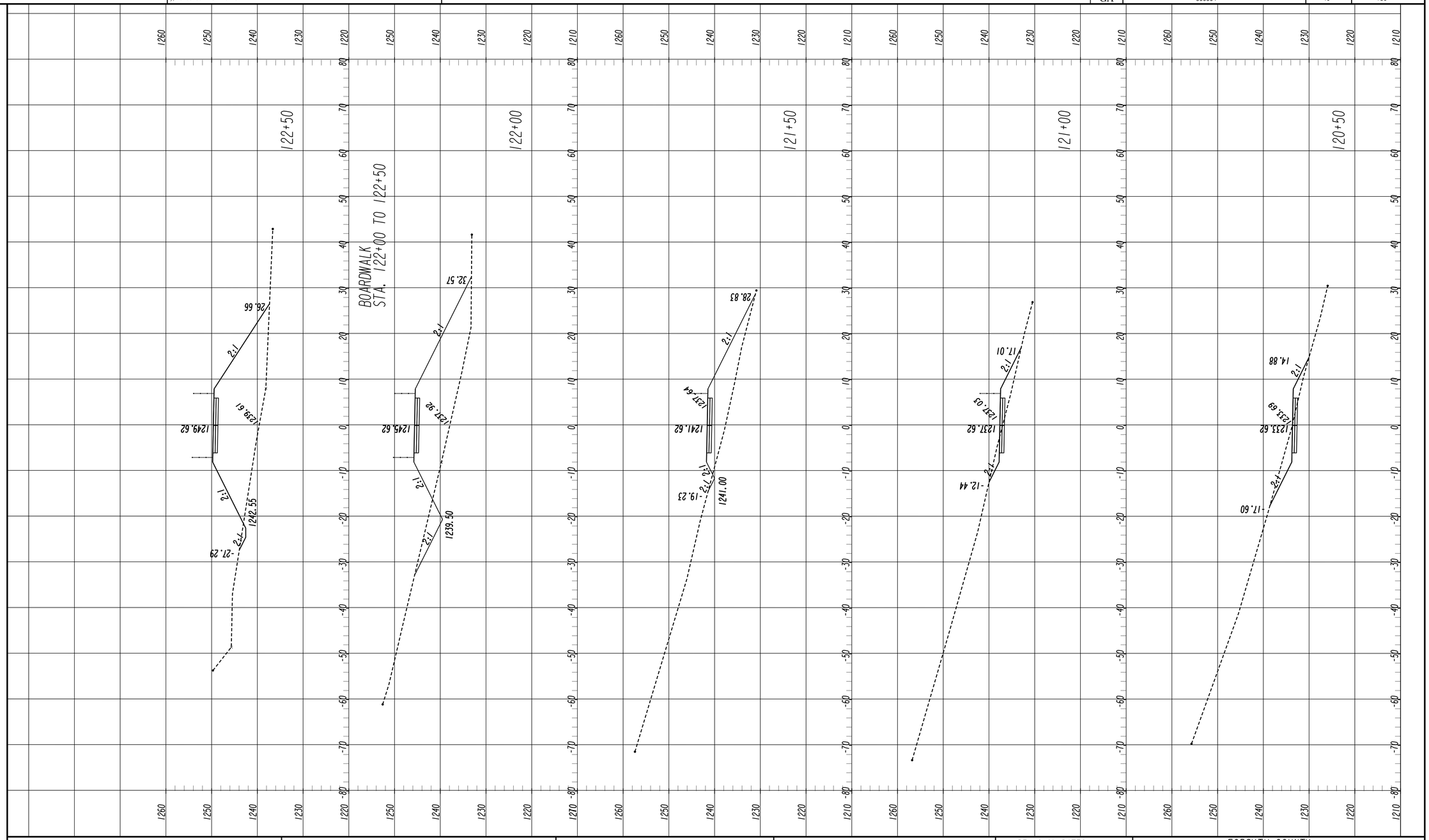
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-006

02/12/2015 GPLN

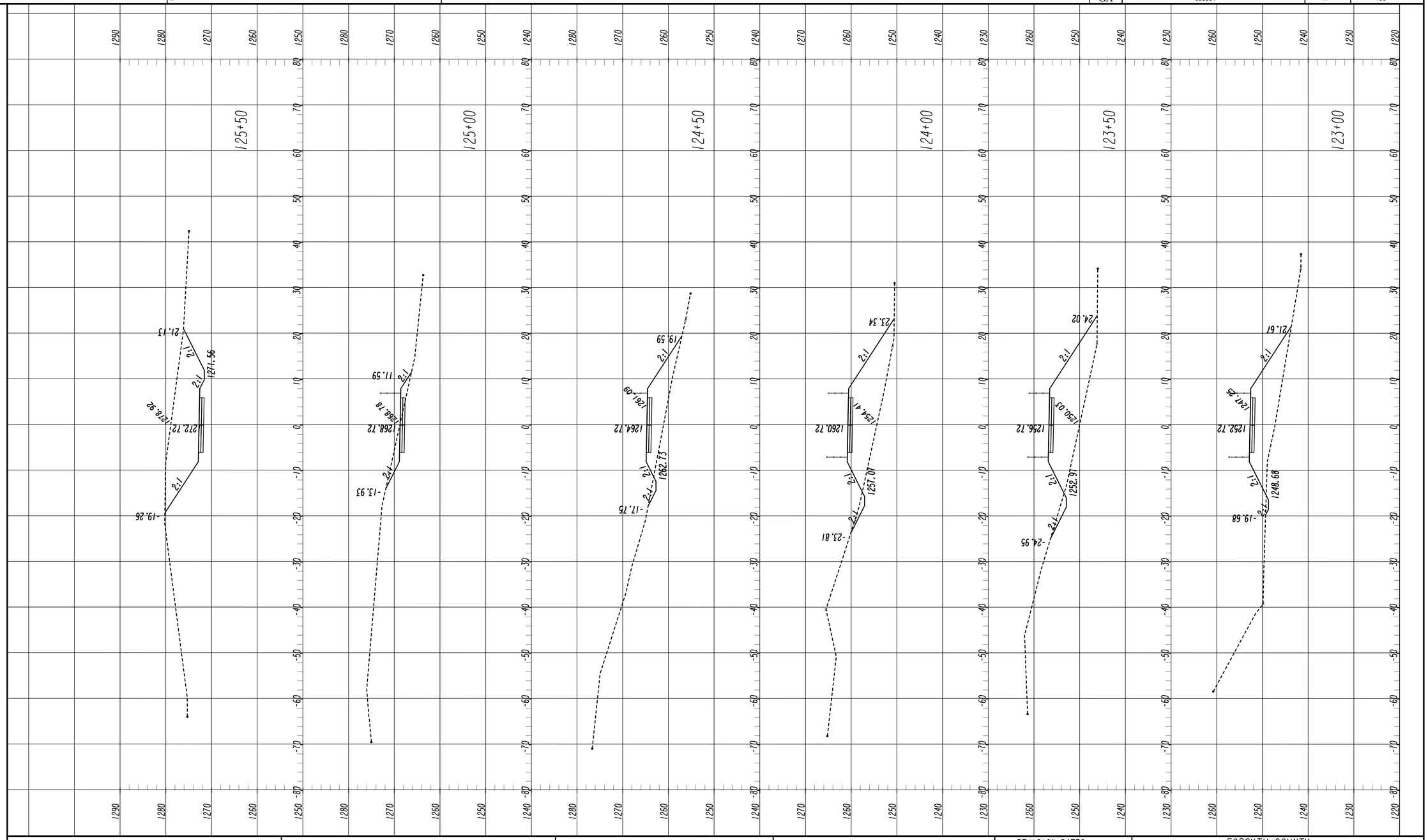
2/9/2018	1:20:45 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V8I-P0.tbl		GA	555554	40	156



				REVISION DATES	
		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.		FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-007

02/12/2015 GPLN

2/9/2018	1:24:22 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V81-P0.tbl		GA	555554	41	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

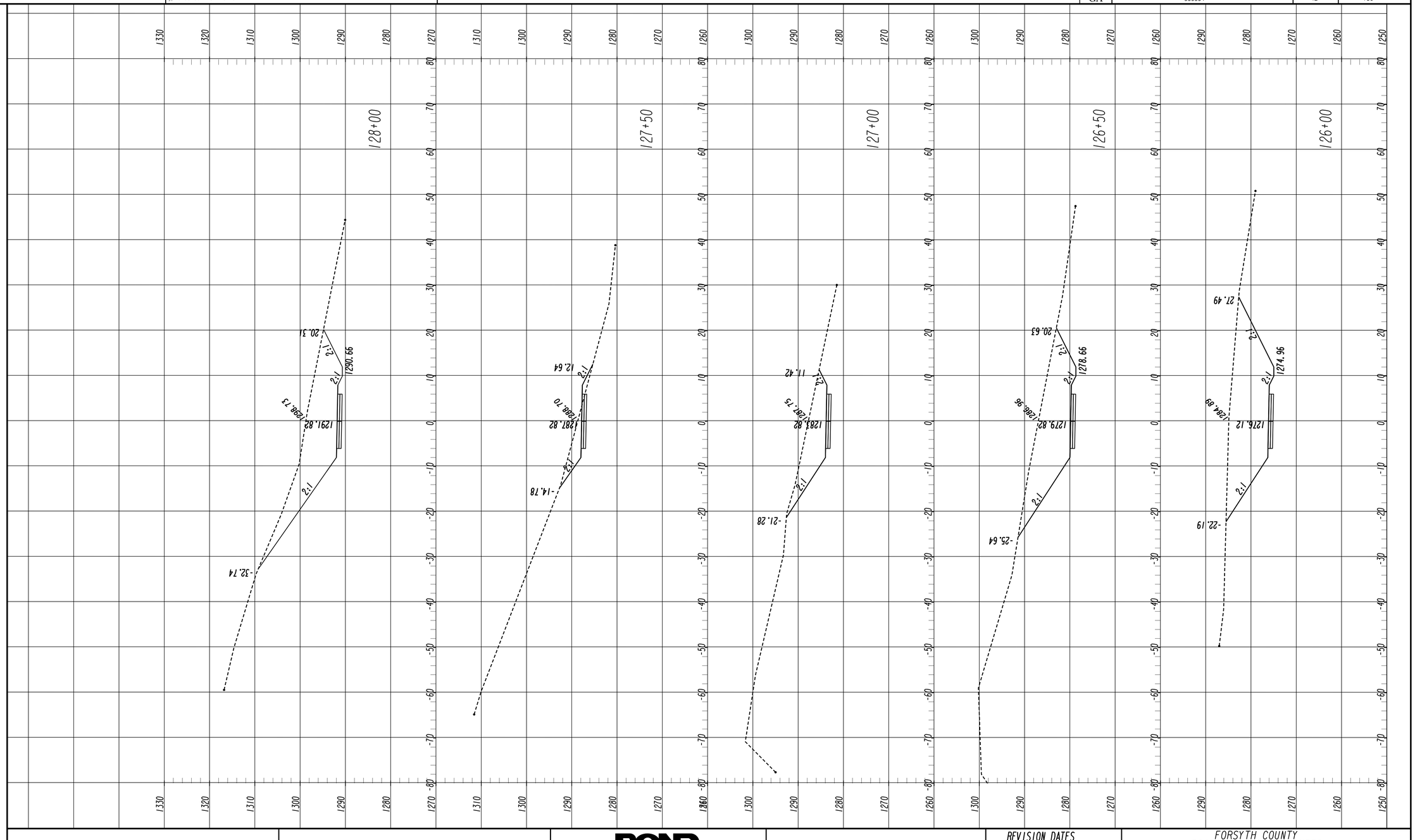
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-008

02/12/2015 GPLN

2/9/2018 1:25:32 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	42	156



		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-009

02/12/2015 GPLN

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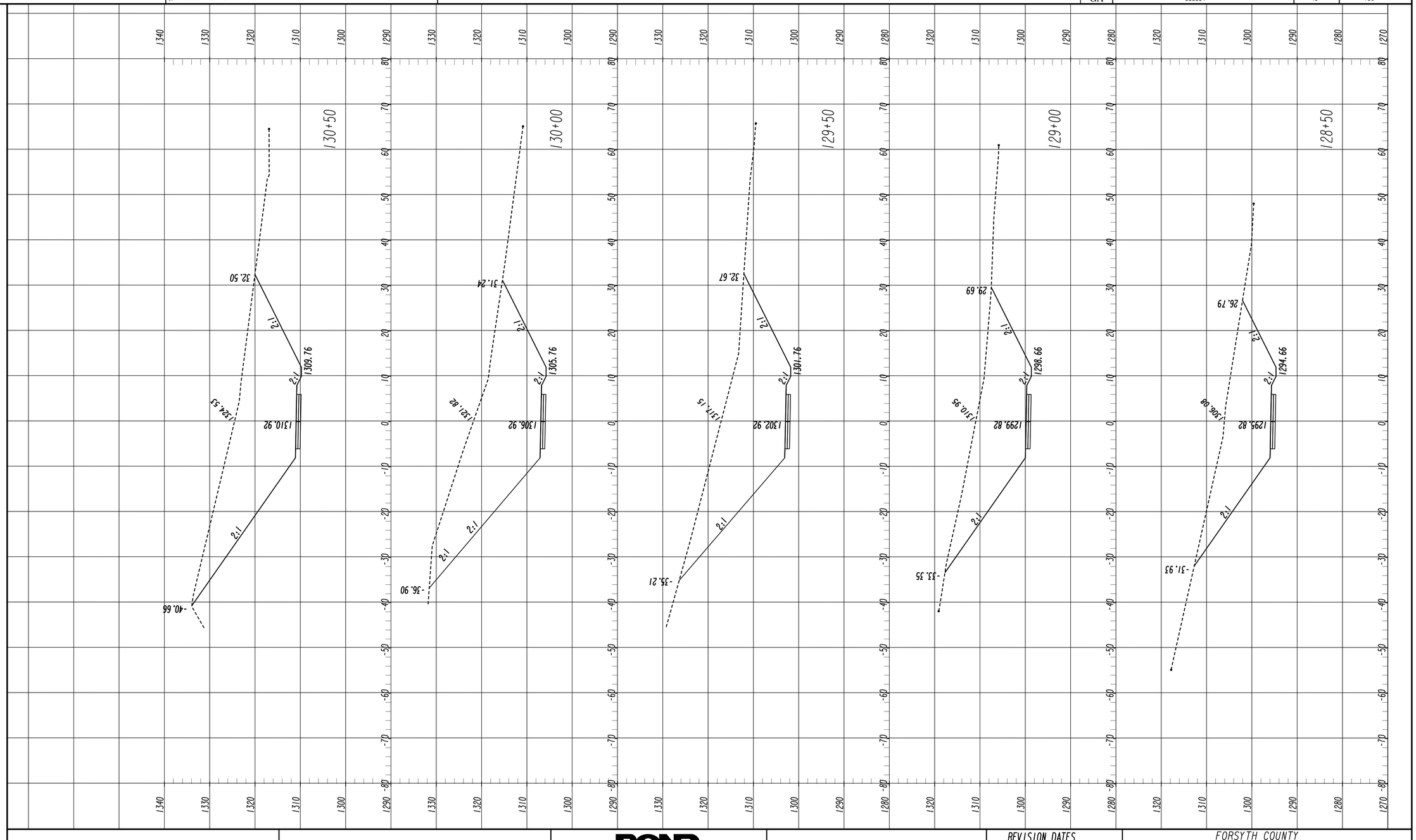
USER:AbdellaK | gplotborder-V8I-P0.tbl

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	43	156



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SCALE 1 inch = 10 feet Vert.
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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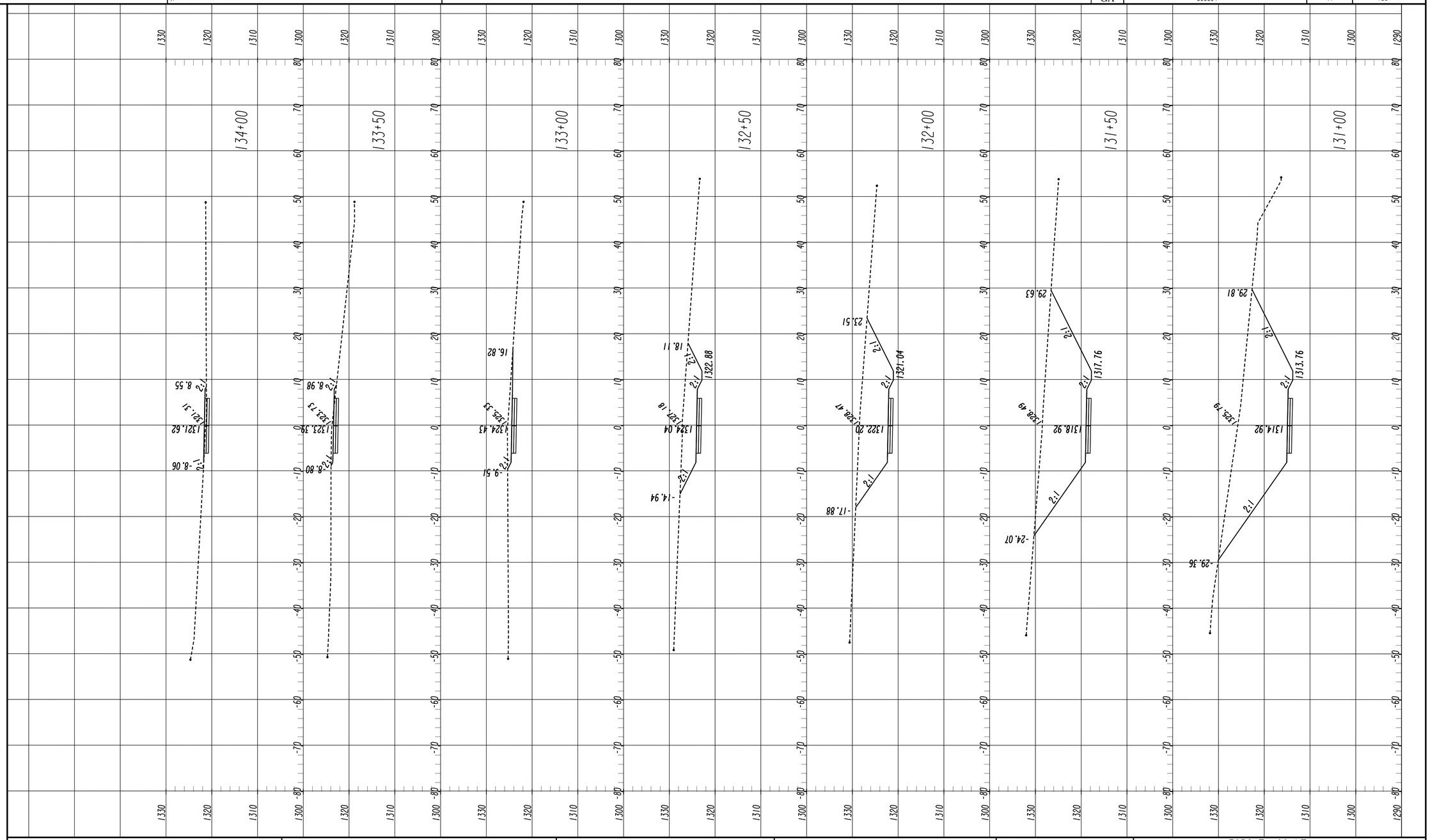
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-010

02/12/2015 GPLN



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SCALE 1 inch = 10 feet Vert.
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

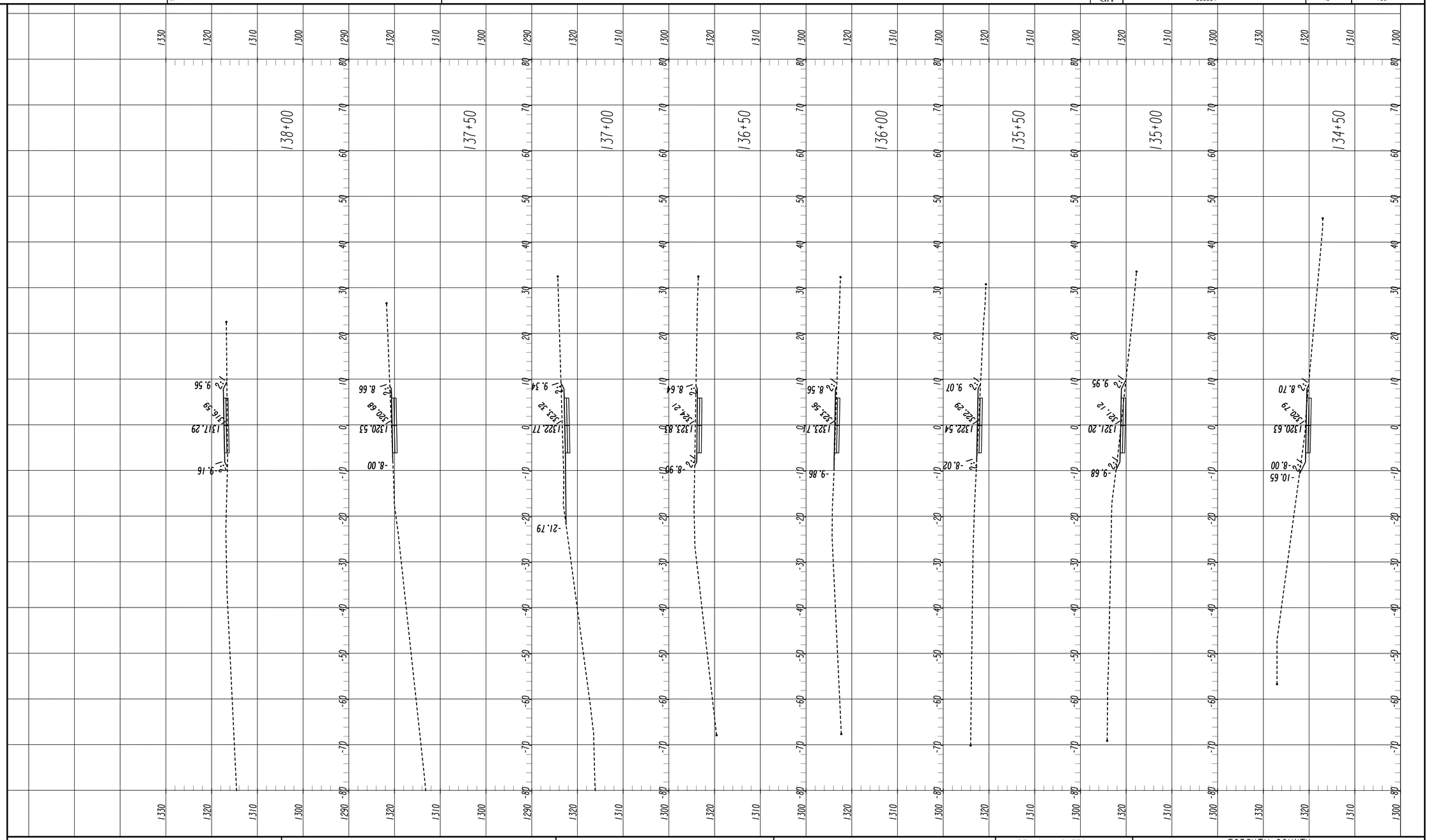
OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-011

2/9/2018 1:29:00 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	45	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-012

02/12/2015 GPLN

2/9/2018 1:30:11 PM | GPLOT-V8 | M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn

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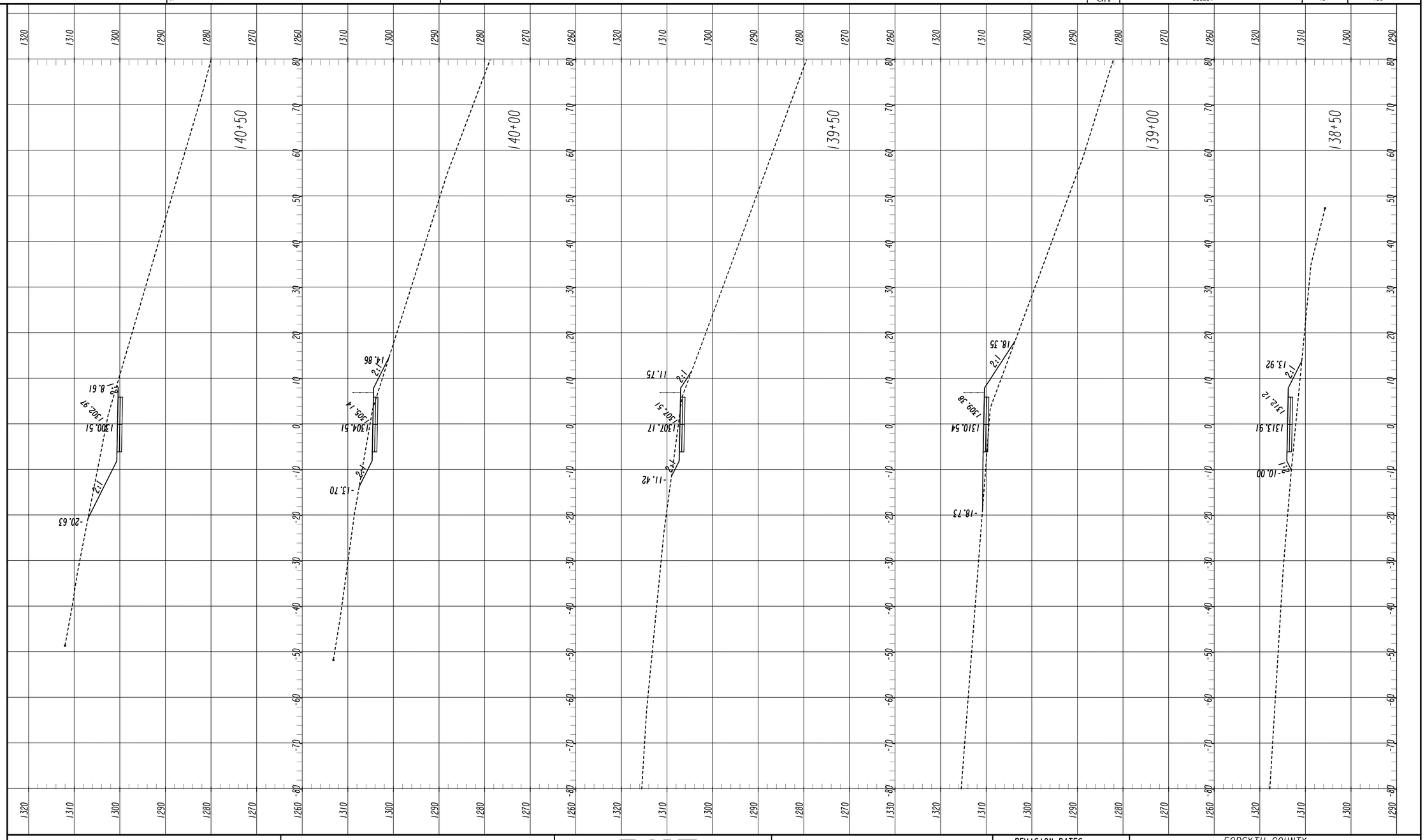
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	46	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-013

02/12/2015 GPLN

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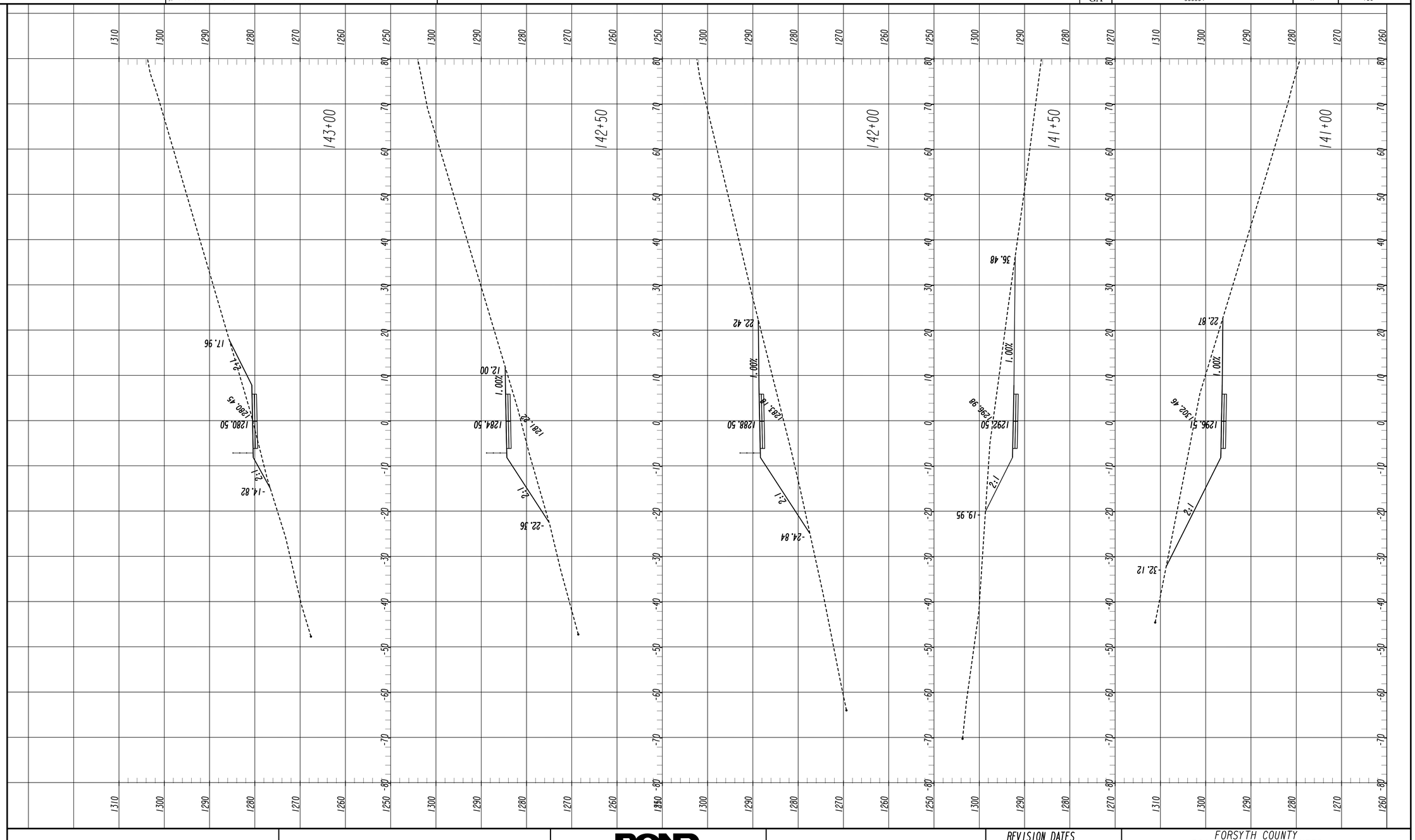
USER:AbdellaK | gplotborder-V81-P0.tbl

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	47	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-014

02/12/2015 GPLN

2/9/2018 1:32:25 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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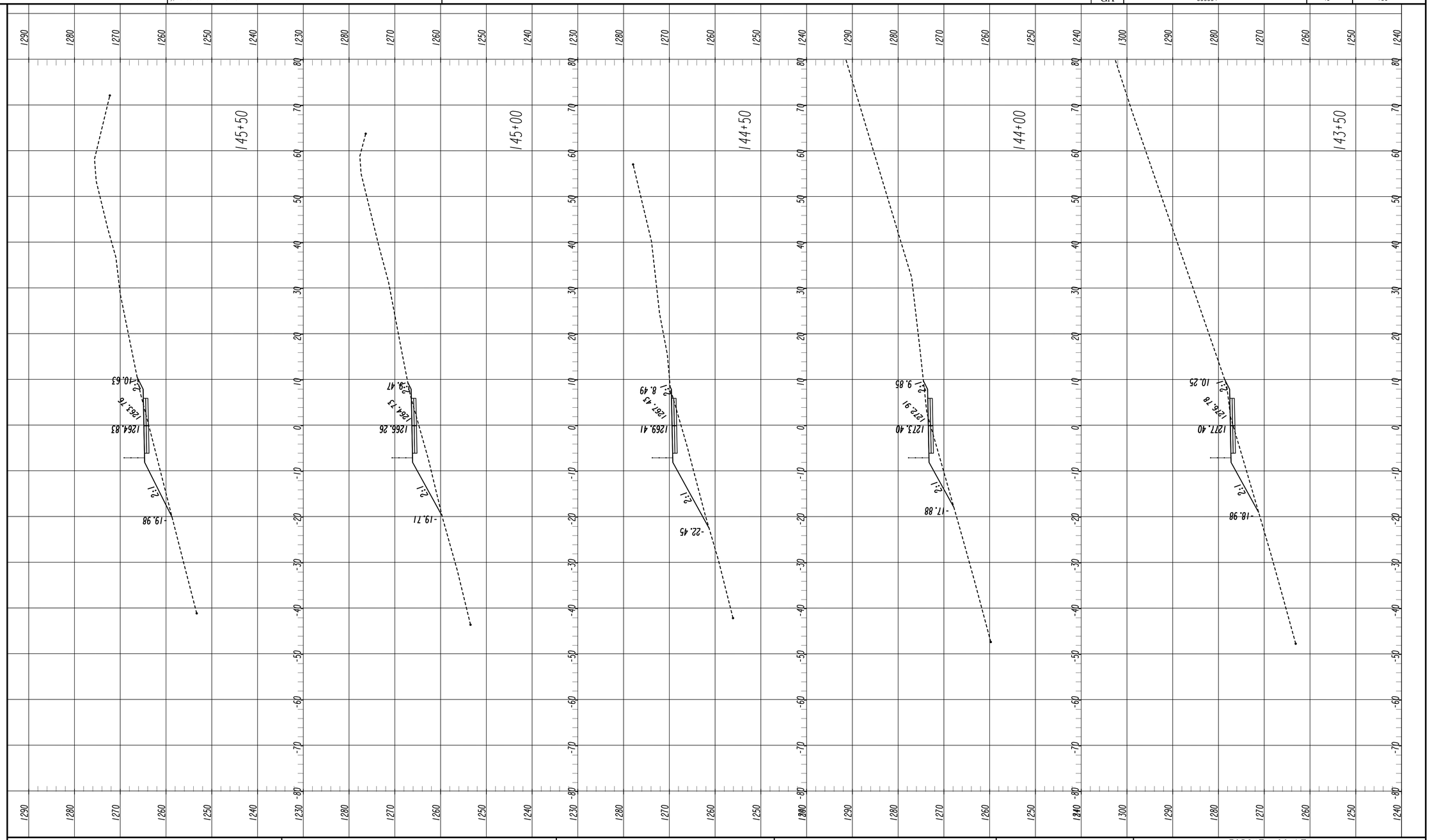
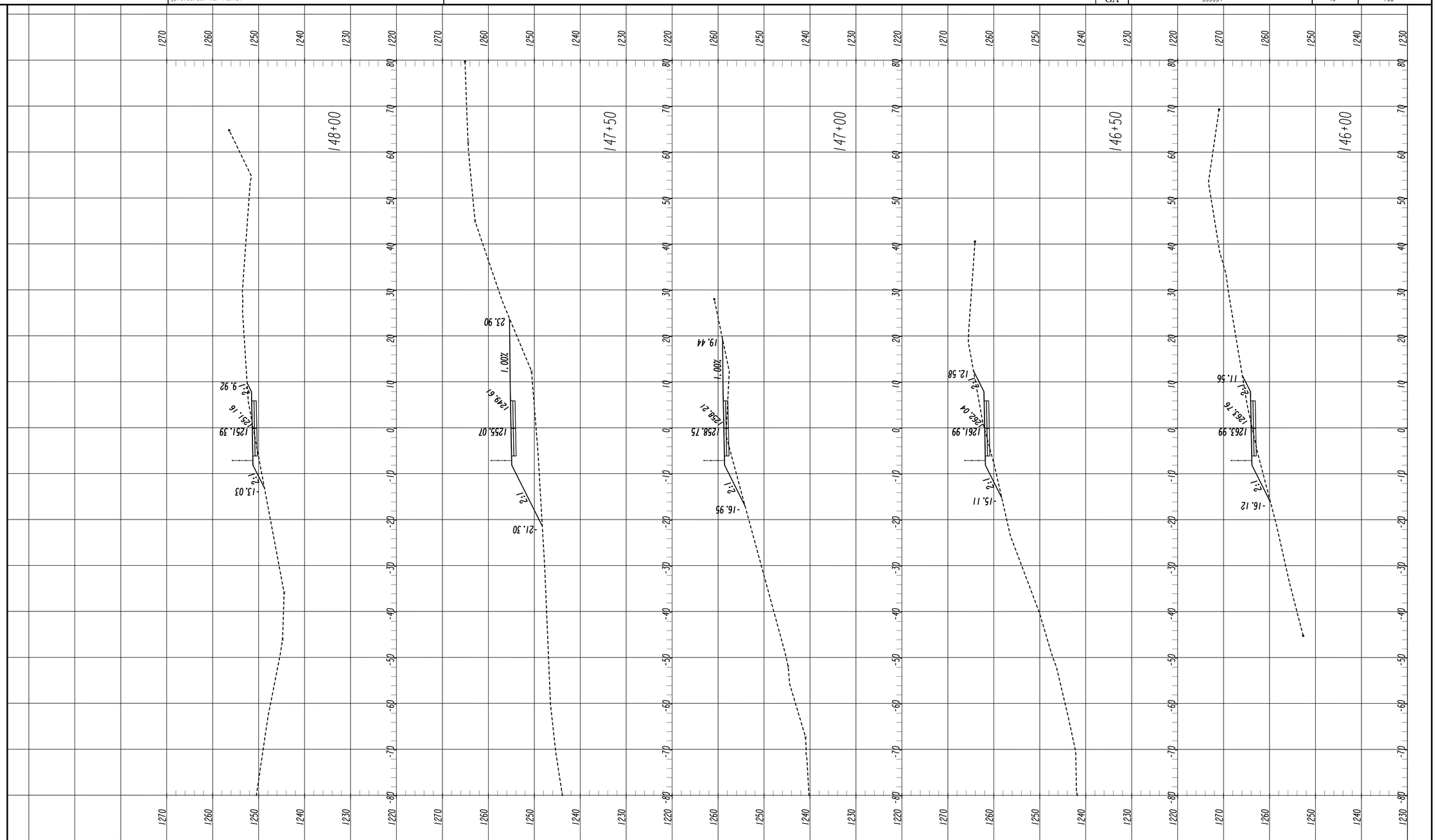


		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-015

02/12/2015 GPLN

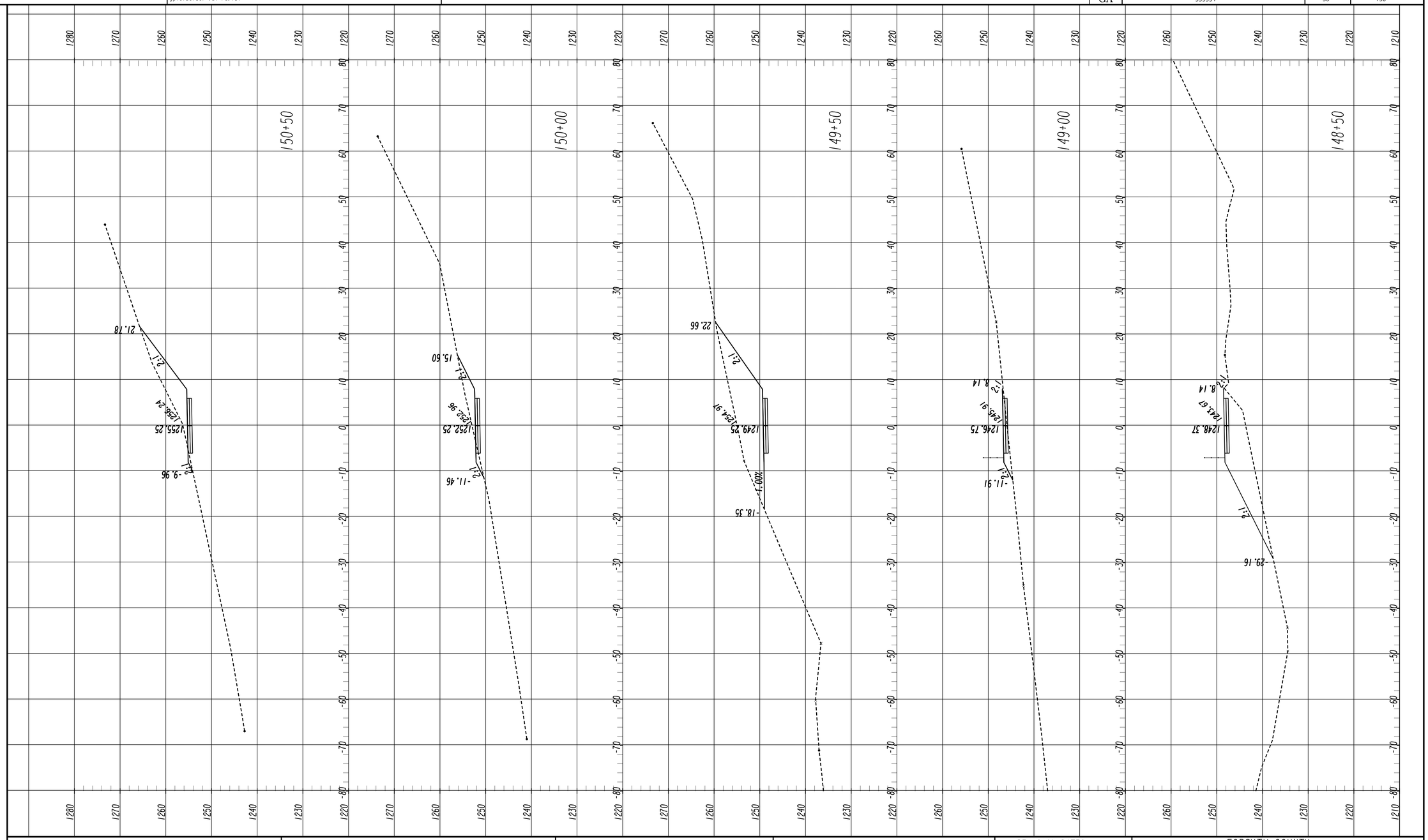
2/9/2018	1:33:32 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V8I-P0.tbl		GA	555554	49	156



				REVISION DATES	
		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.		FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-016

02/12/2015 GPLN

2/9/2018 1:34:39 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	50	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-017

02/12/2015 GPLN

2/9/2018 1:35:47 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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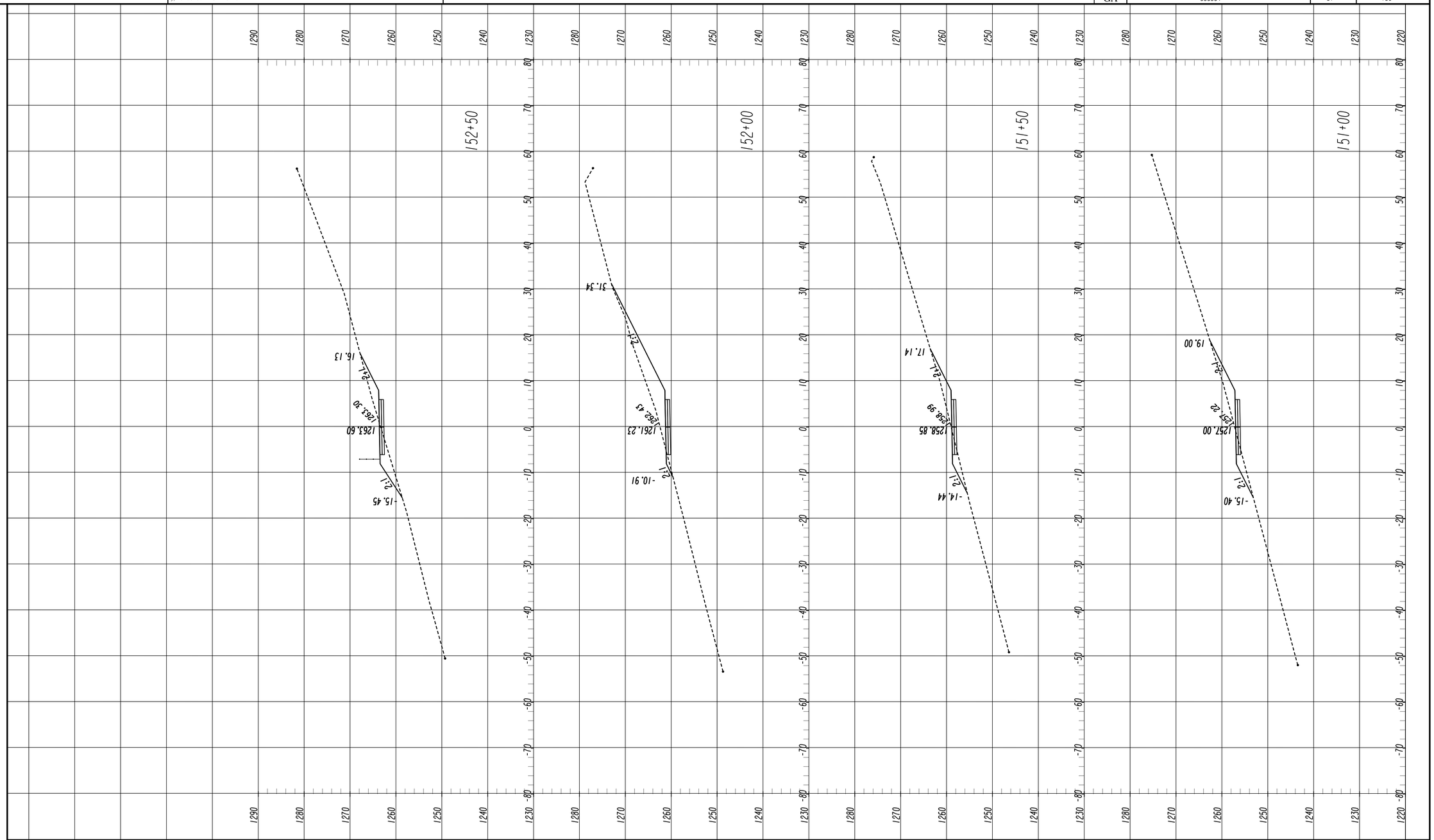
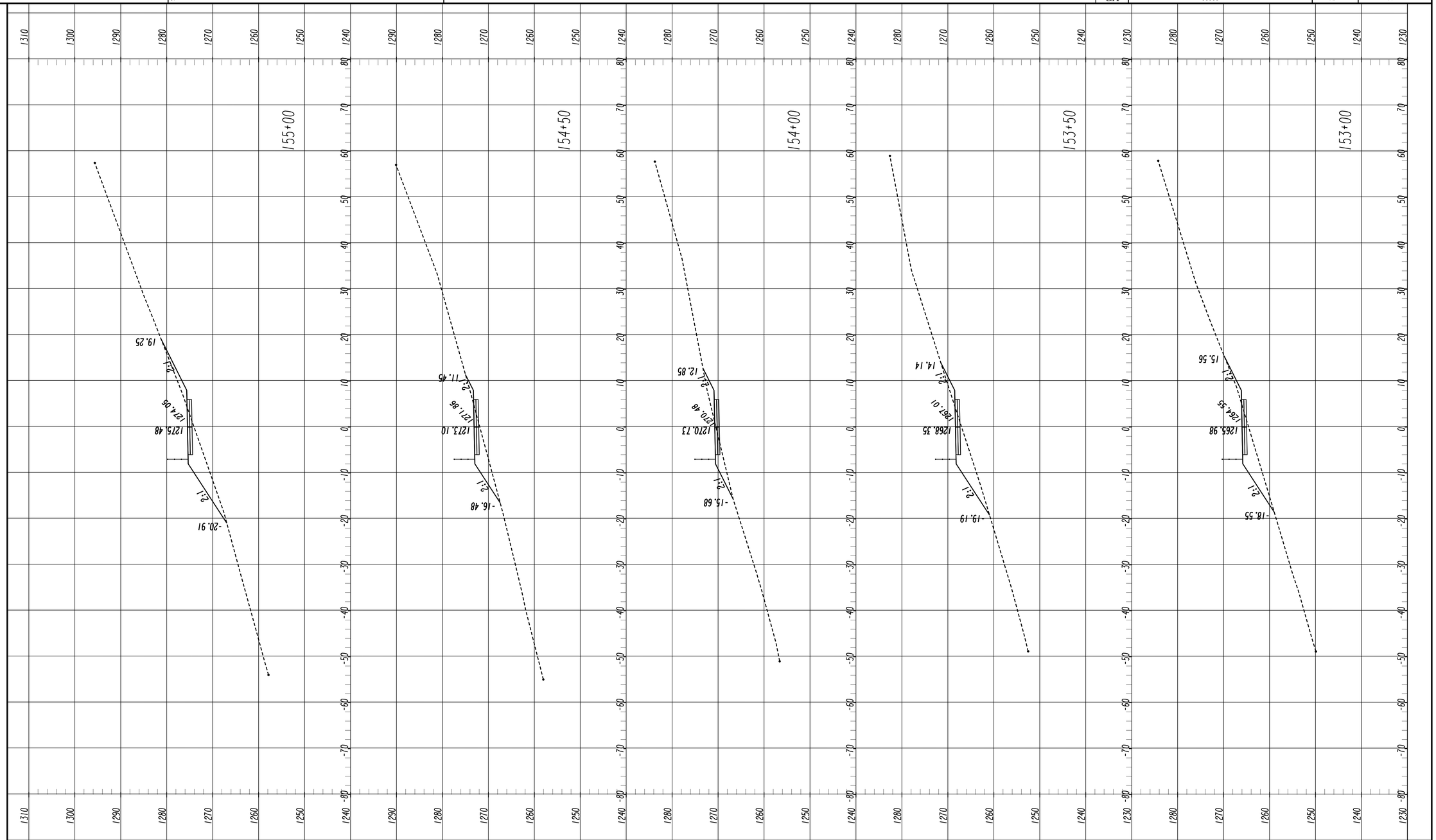


		POND	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS
		3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com			OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-018

02/12/2015 GPLN

2/9/2018	1:36:54 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V8I-P0.tbl		GA	555554	52	156



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SCALE 1 inch = 10 feet Vert.
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

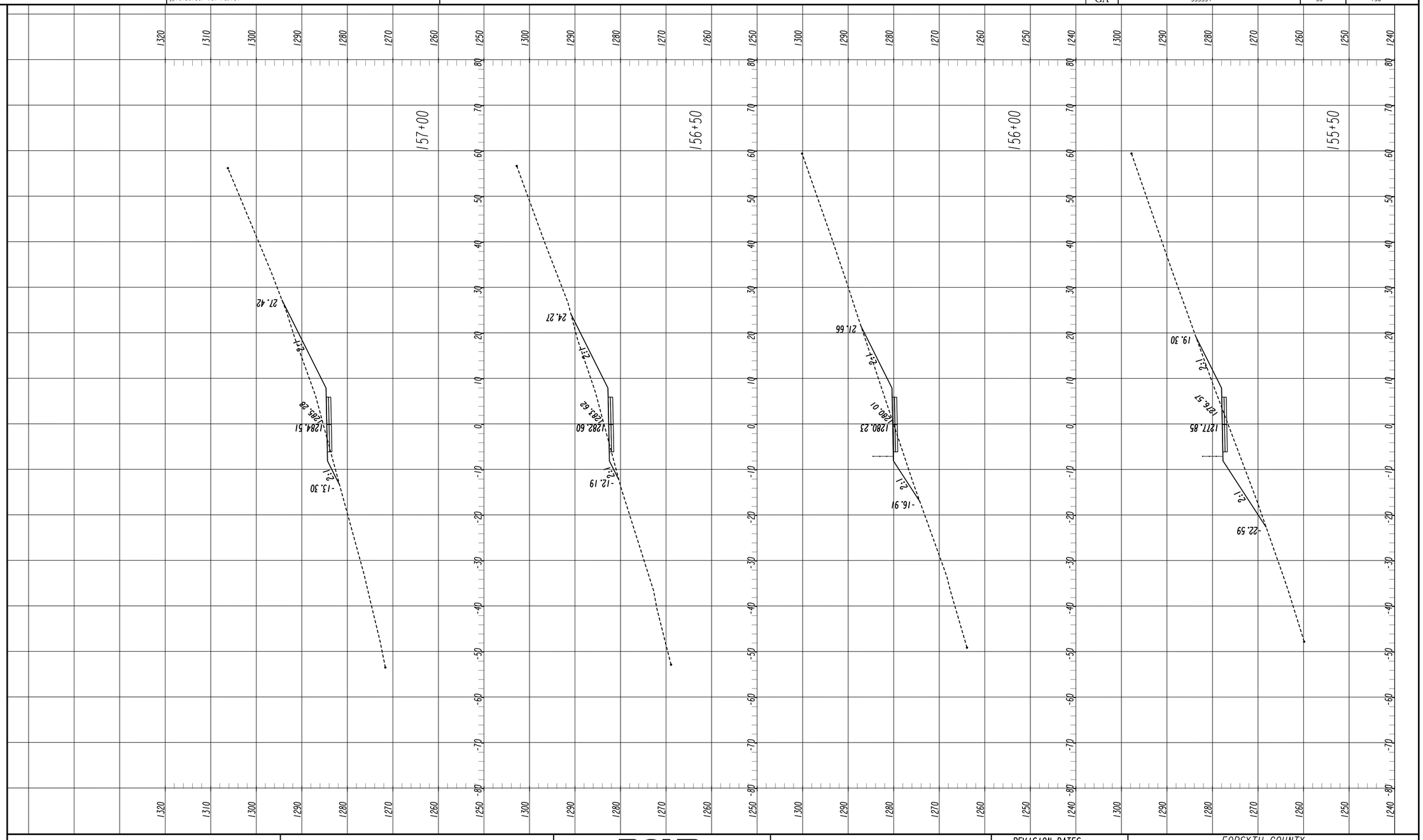
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-019

02/12/2015 GPLN

2/9/2018 1:38:00 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	53	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-020

02/12/2015 GPLN

2/9/2018 1:39:07 PM
USER:AbdellaK

GPLOT-V8
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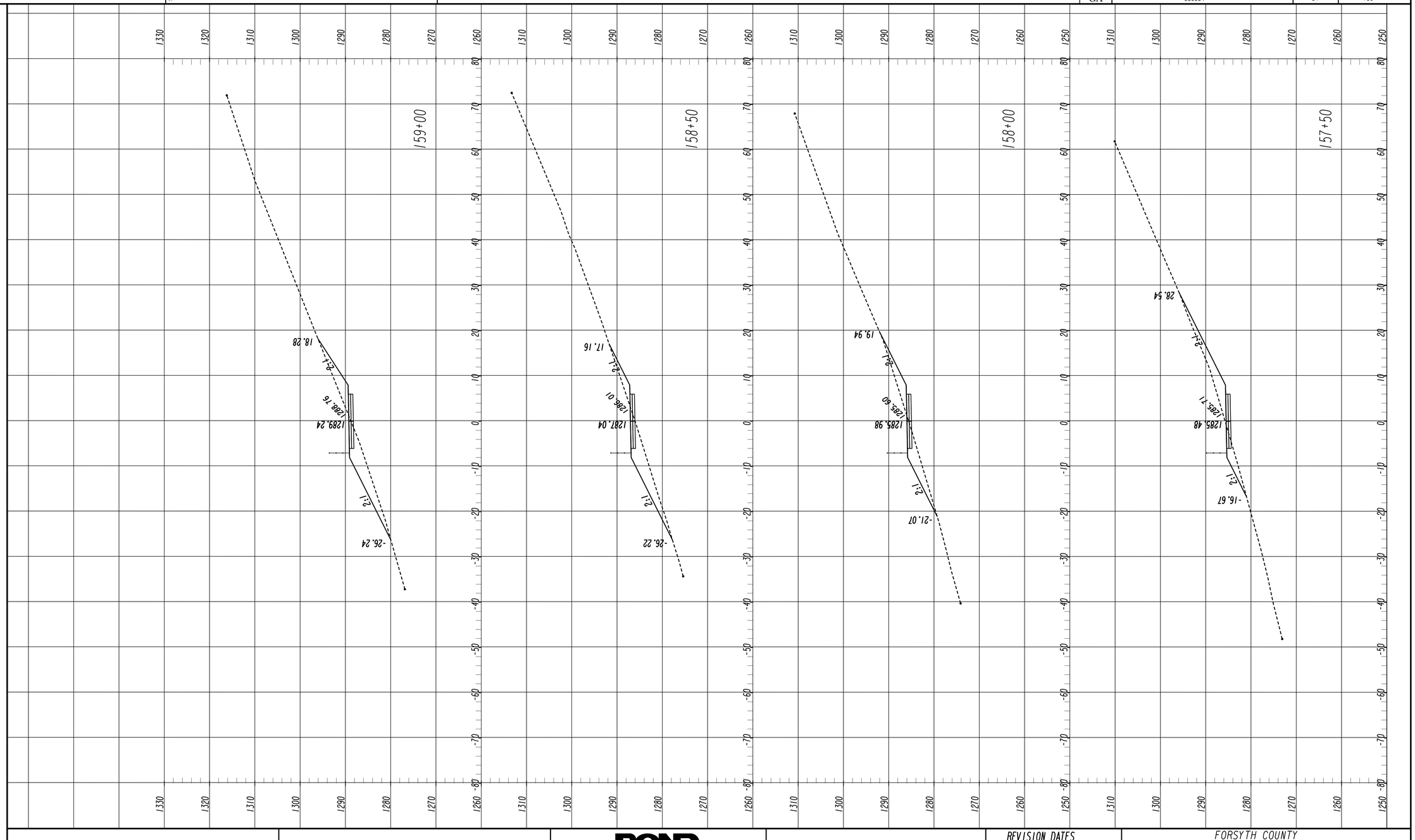
M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	54	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

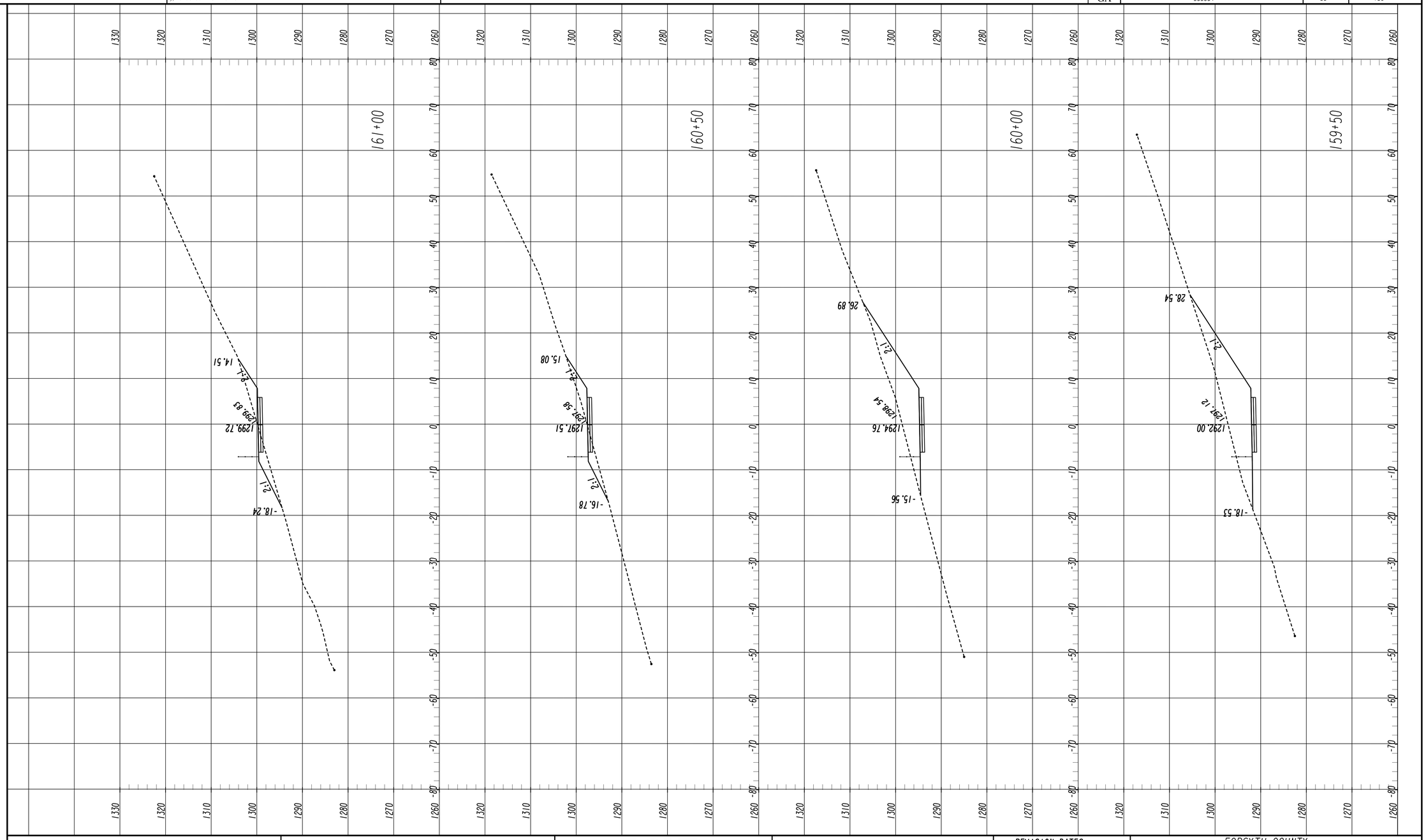
OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-021

02/12/2015 GPLN



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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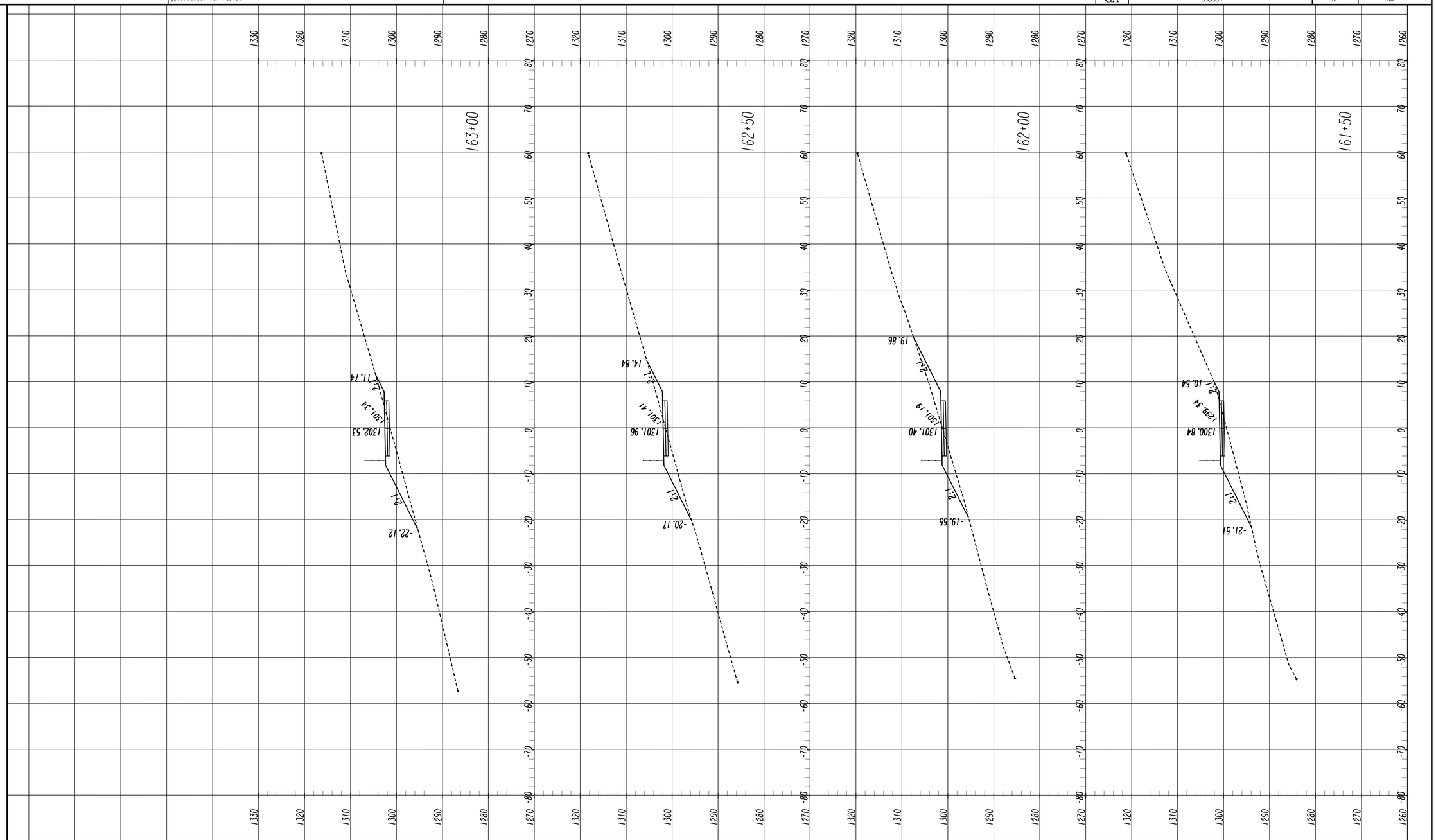
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 23-022

02/12/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	56	156



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SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

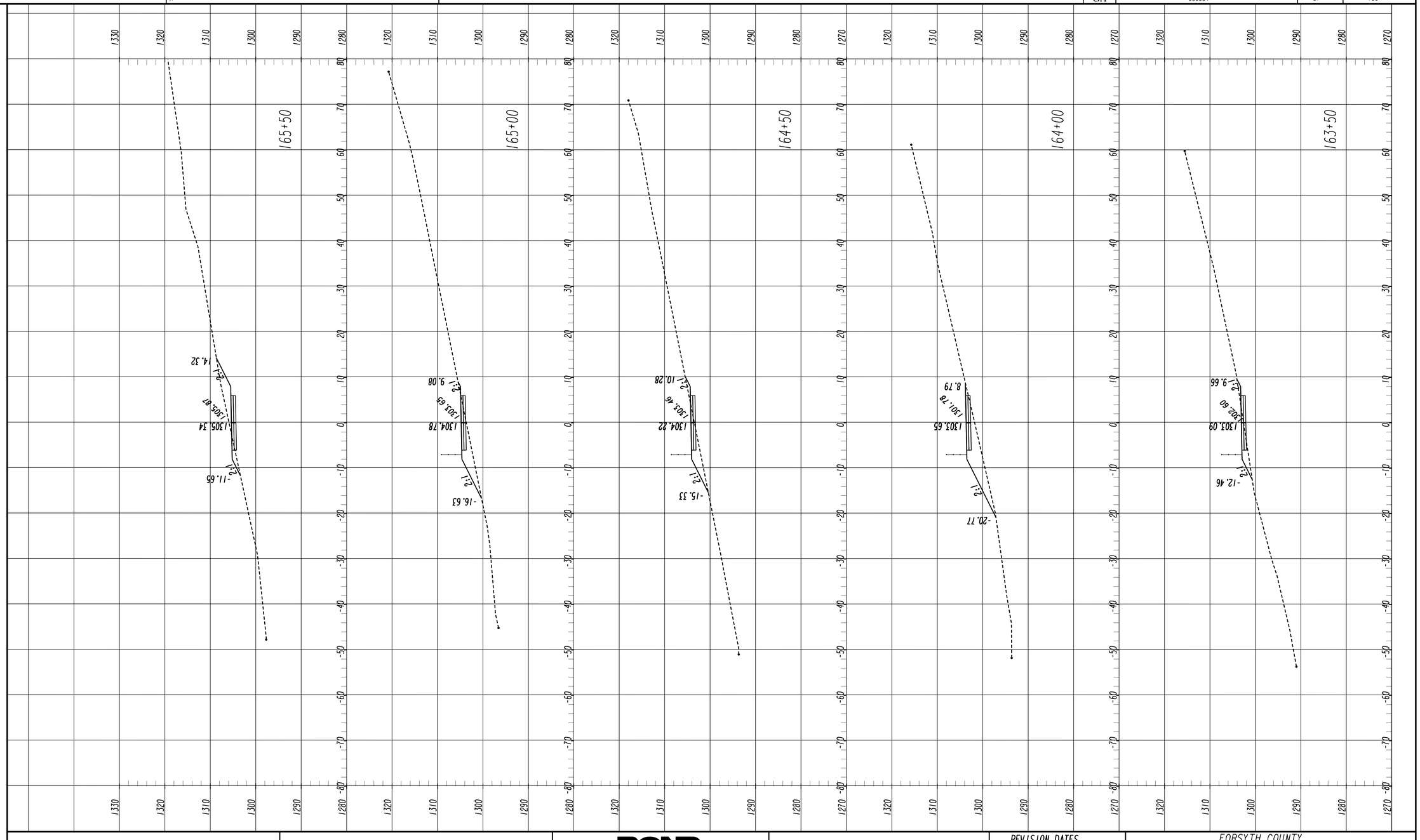
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-023

02/12/2015 GPLN

2/9/2018 1:42:26 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	57	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

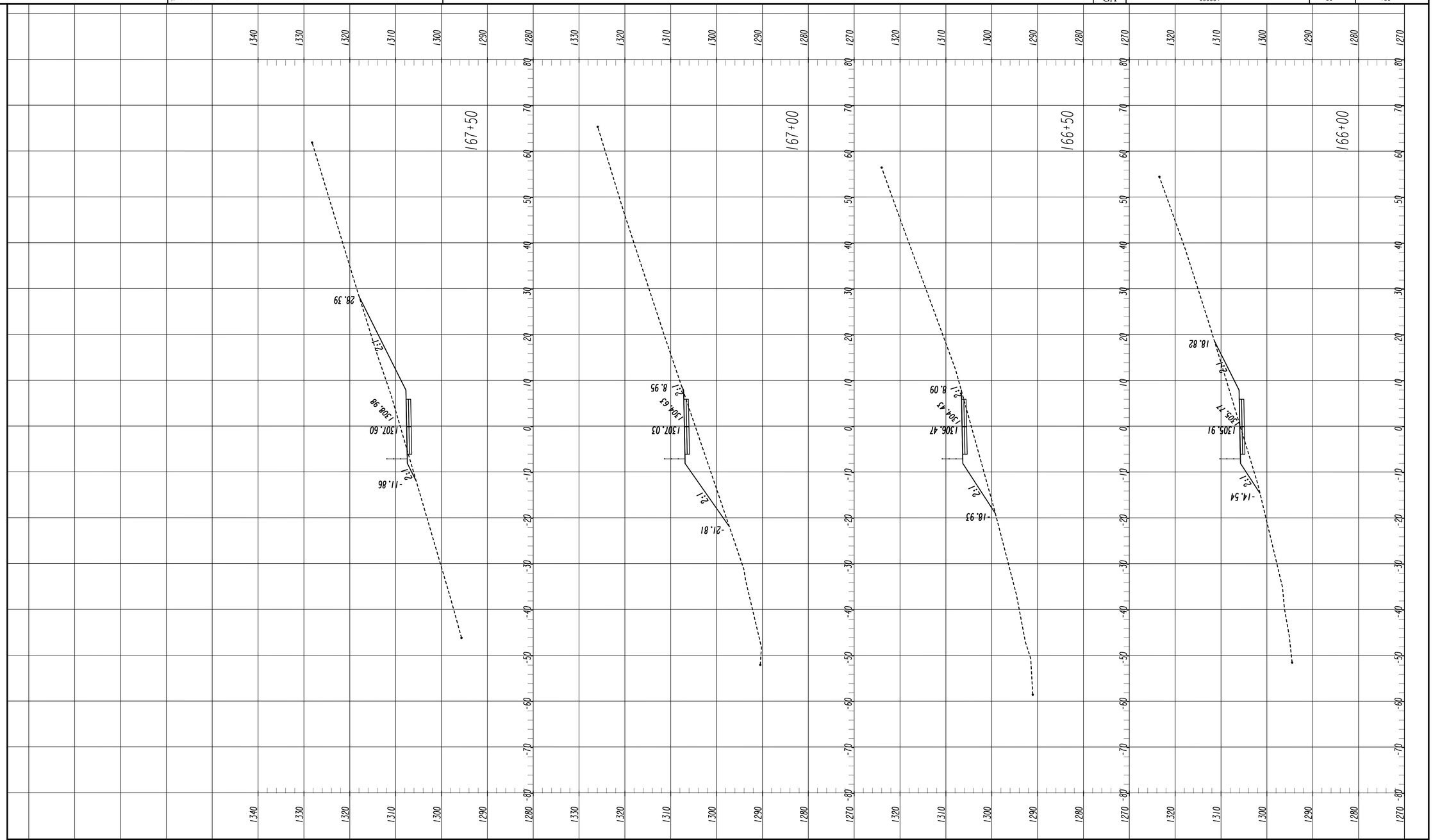
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-024

02/12/2015 GPLN

2/9/2018 1:43:32 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	58	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

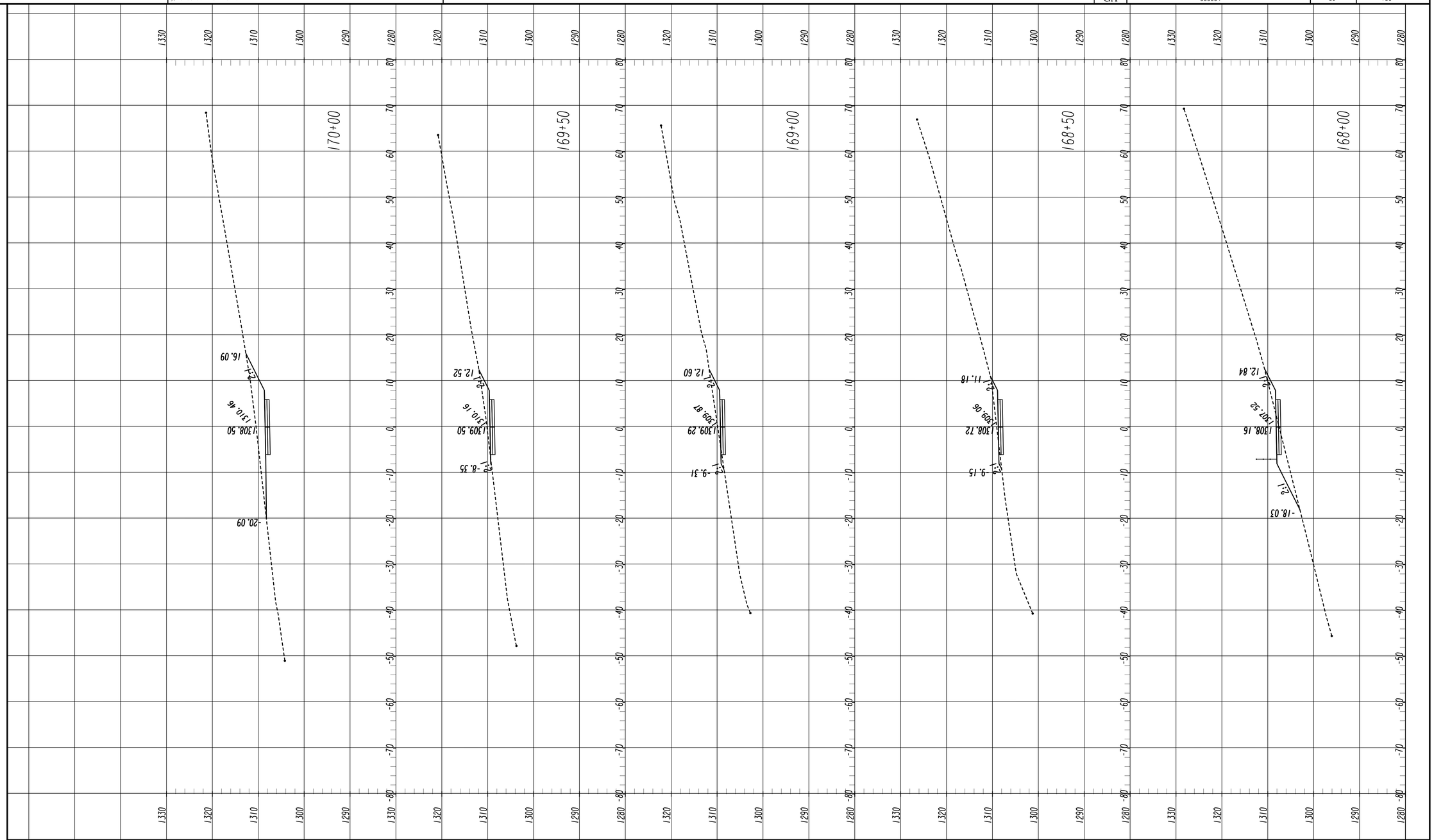
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-025

02/12/2015 GPLN

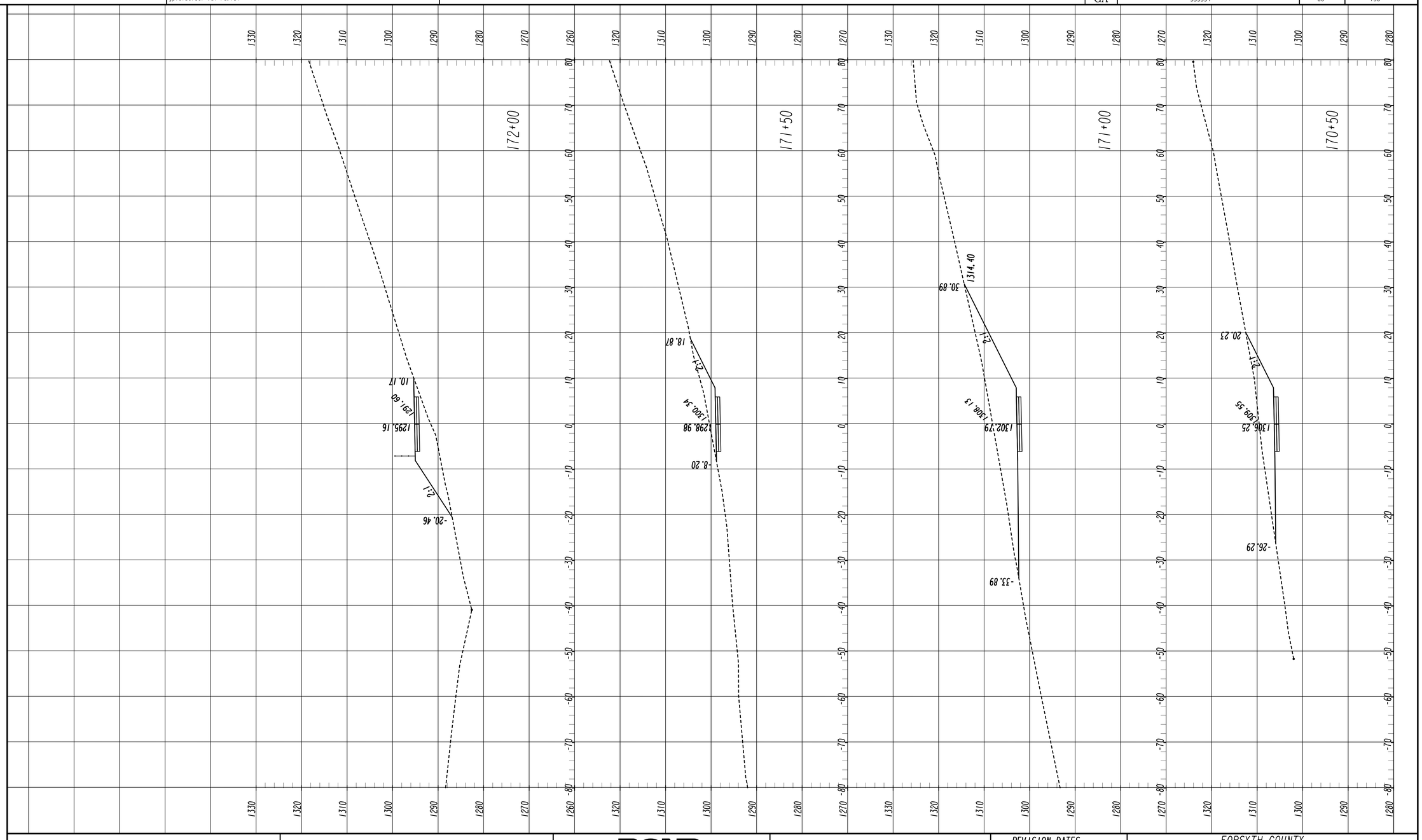
2/9/2018 1:44:40 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	59	156



		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-026

02/12/2015 GPLN

2/9/2018 1:45:49 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	60	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-027

02/12/2015 GPLN

2/9/2018 1:46:59 PM
USER:AbdellaK

GPLOT-V8
gplotborder-V81-P0.tbl

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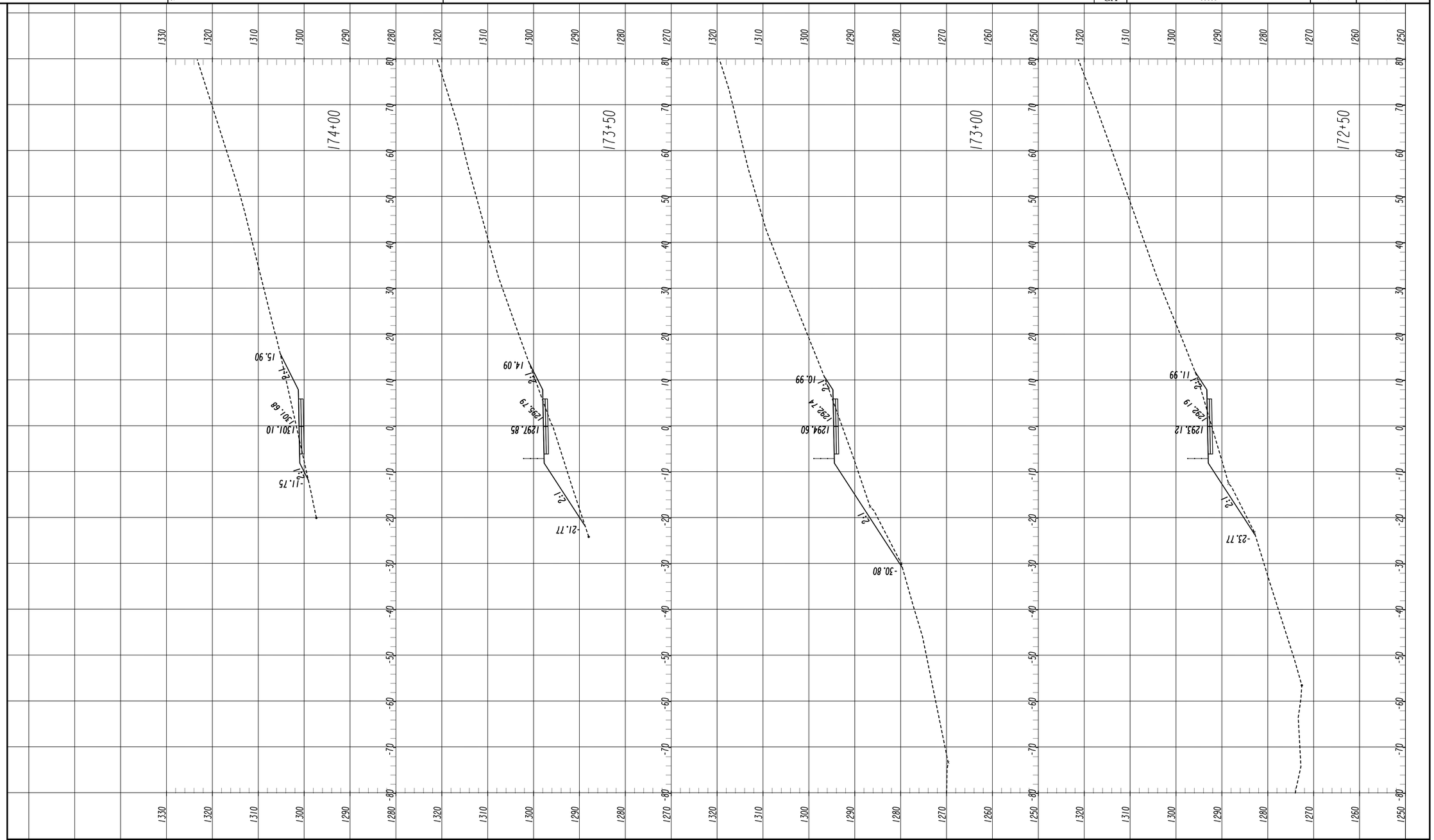
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	61	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

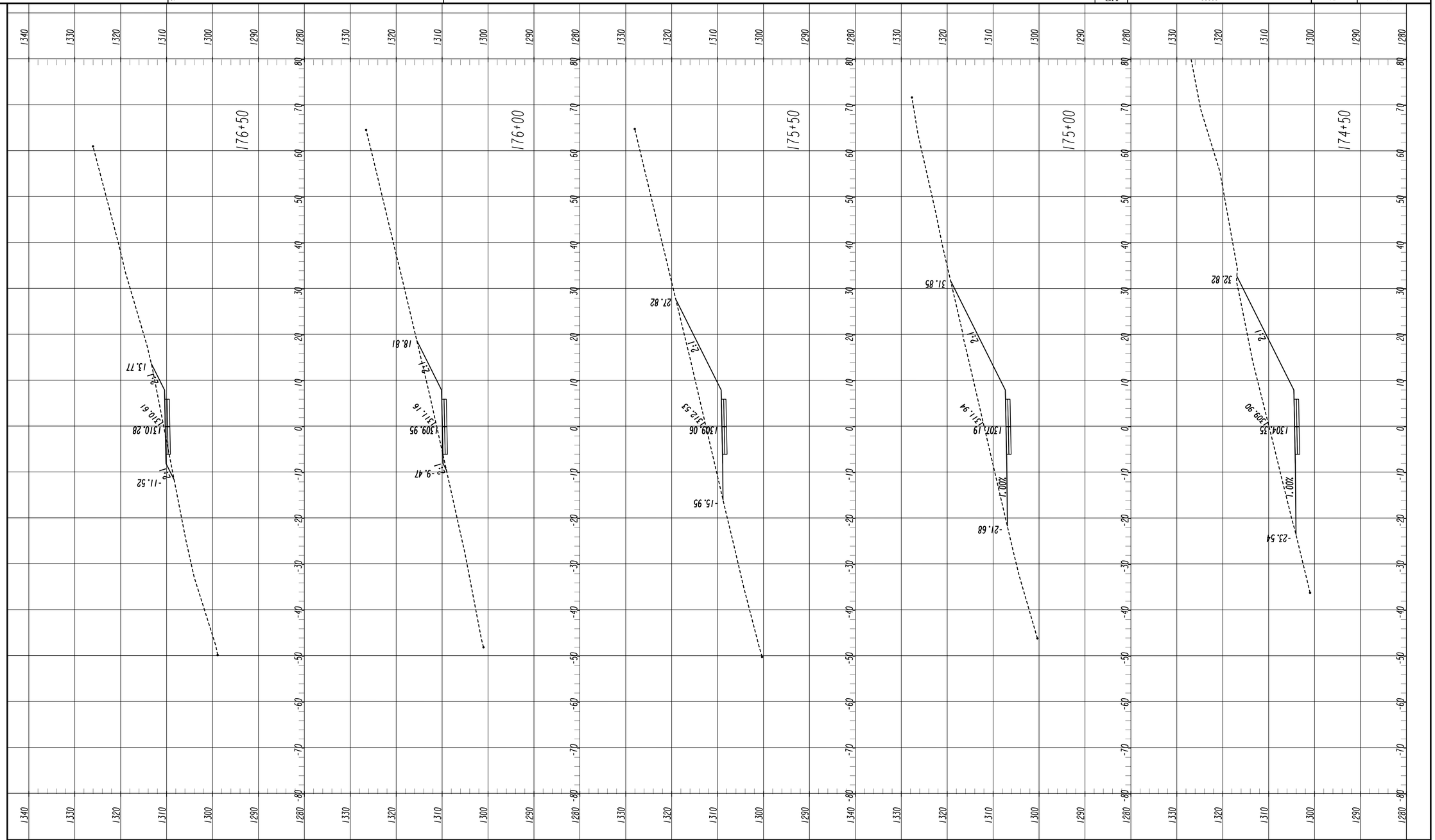
DRAWING No.
23-028

02/12/2015 GPLN

2/9/2018 1:48:12 PM | GPLOT-V8 | M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn

USER:AbdellaK | gplotborder-V81-P0.tbl

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	62	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

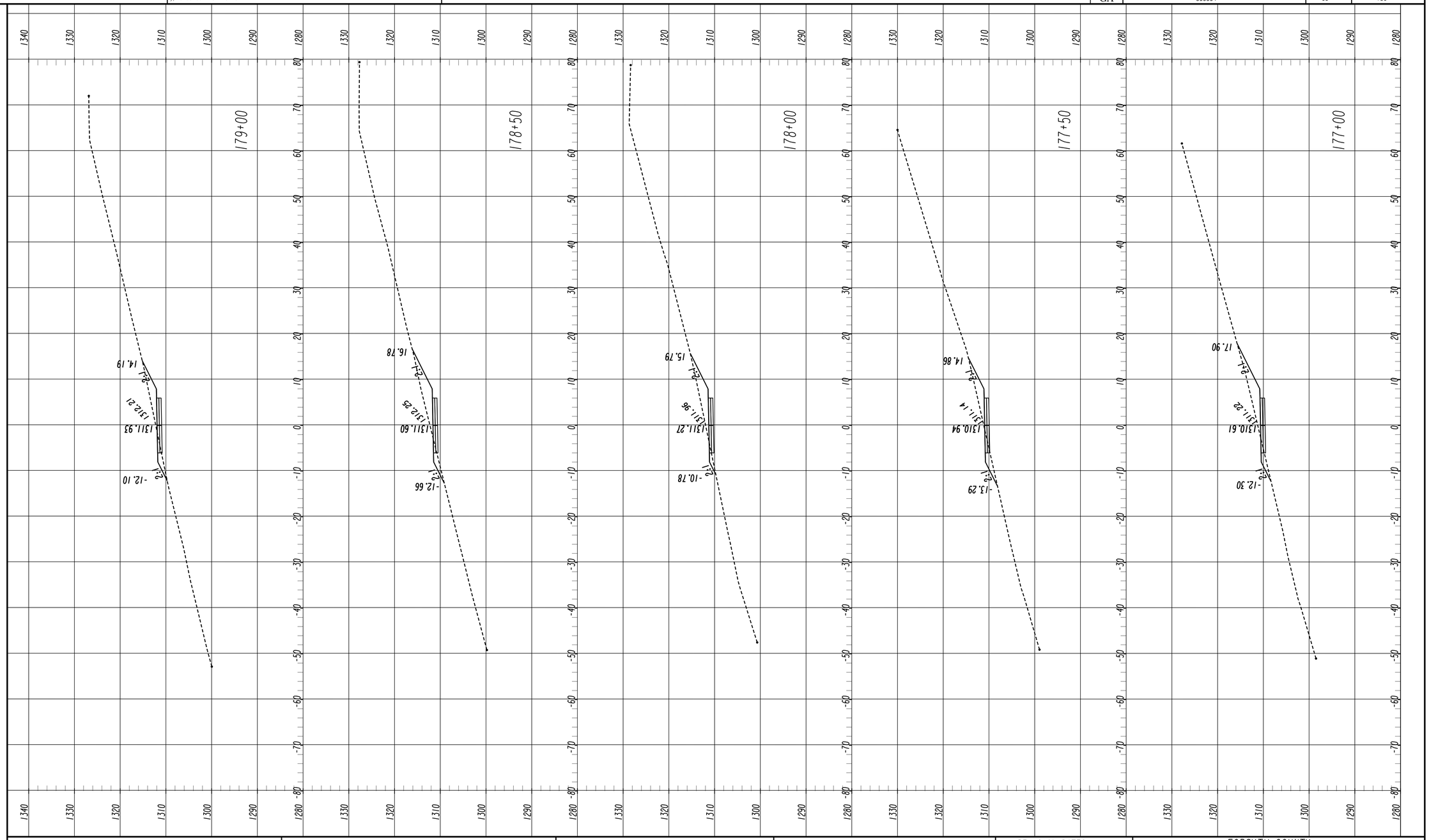
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 23-029

02/12/2015 GPLN

2/9/2018 1:51:08 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	63	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-030

02/12/2015 GPLN

2/9/2018 1:52:19 PM GPLOT-V8
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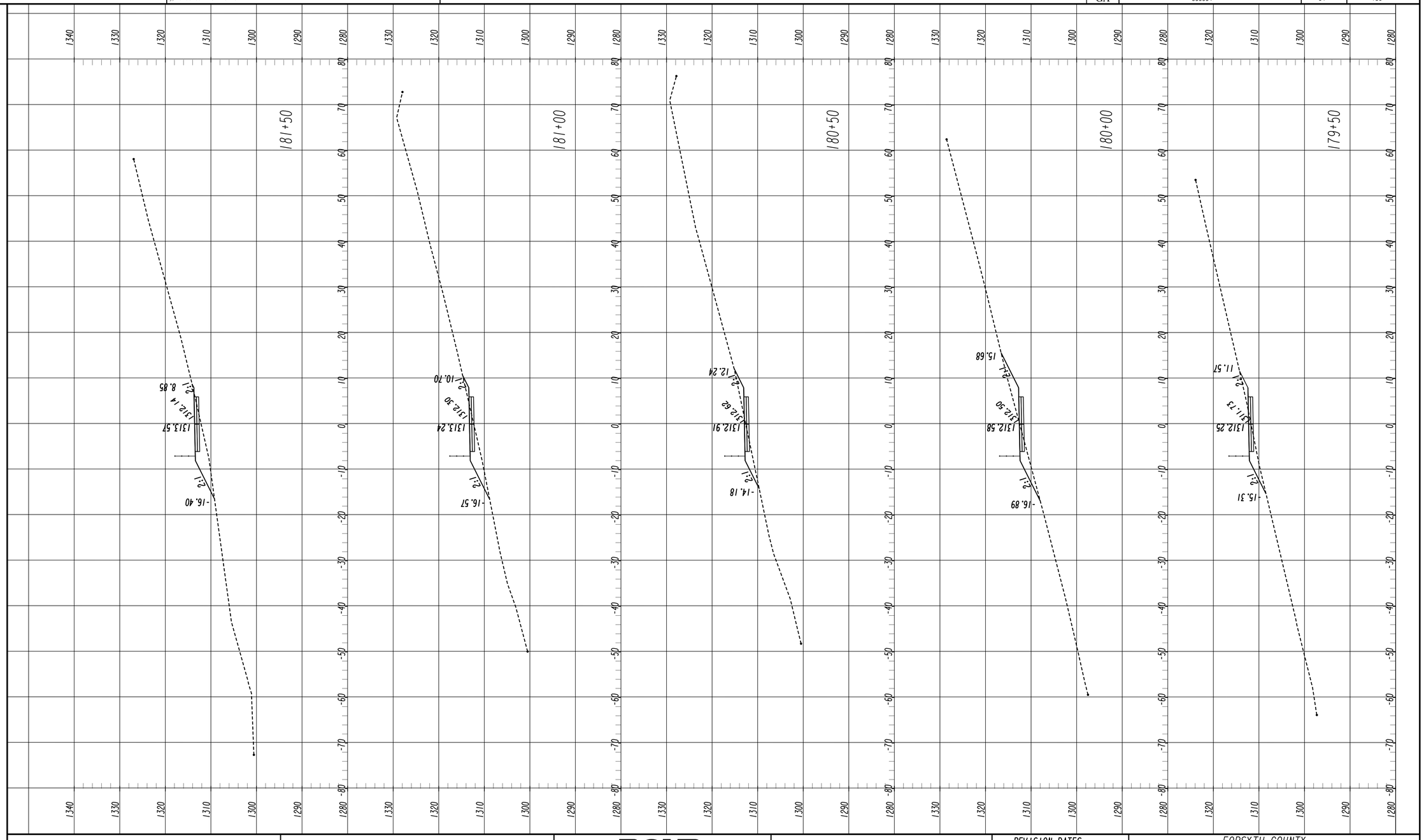
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	64	156



		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-031

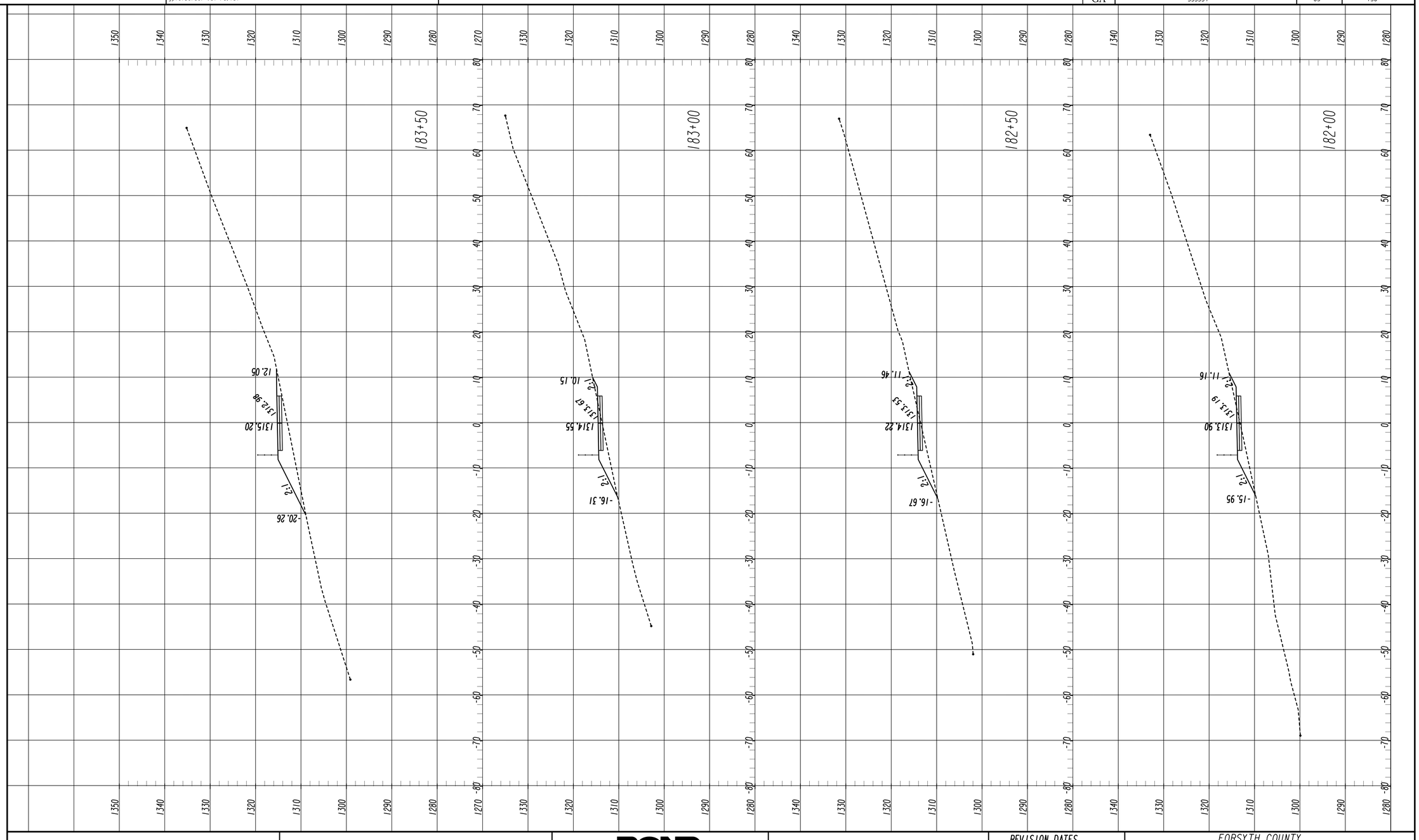
02/12/2015 GPLN

2/9/2018 1:53:28 PM
USER:AbdellaK

GPLOT-V8
gplotborder-V81-P0.tbl

M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	65	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

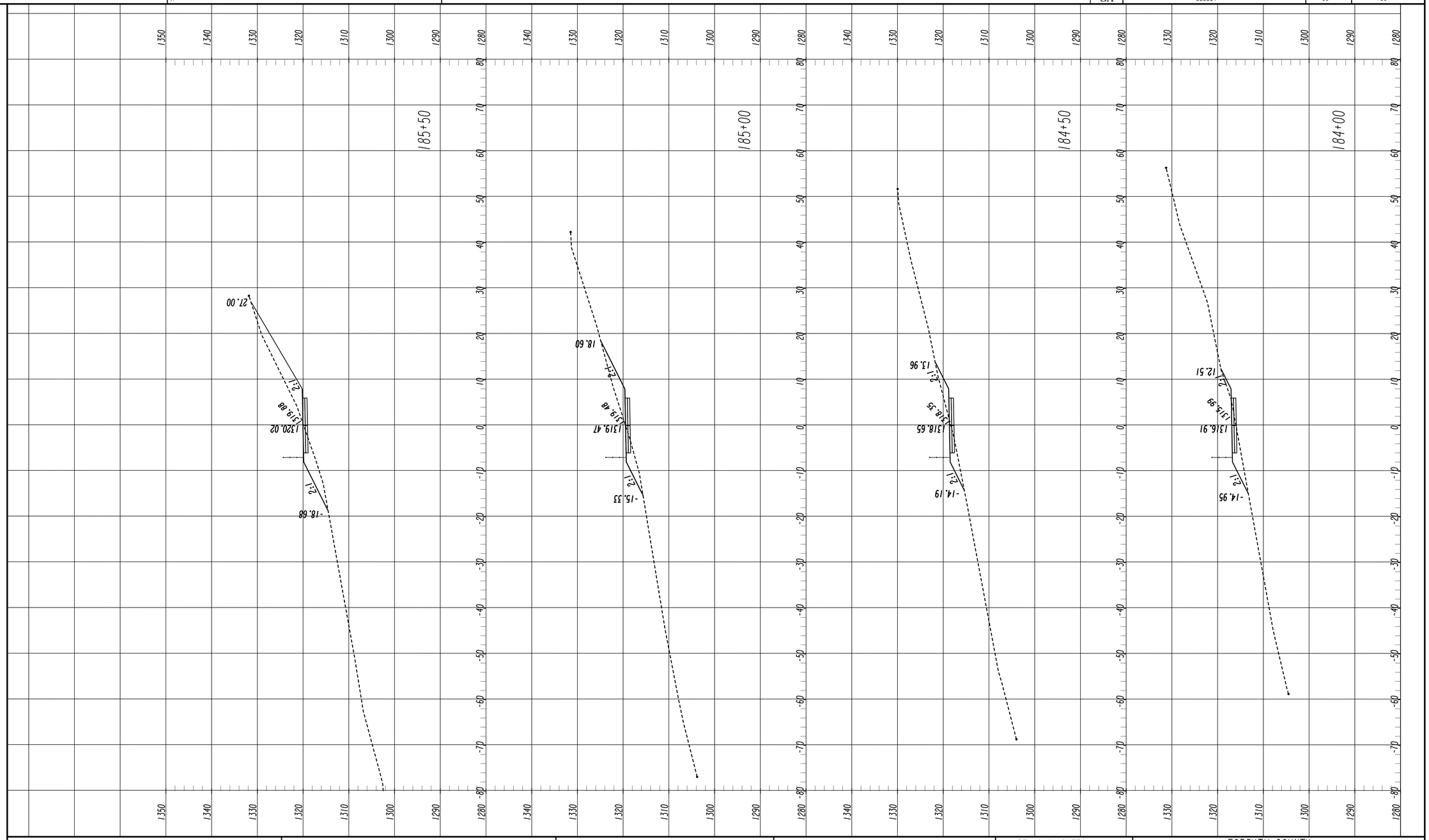
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-032

02/12/2015 GPLN

2/9/2018 1:54:37 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	66	156



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SCALE 1 inch = 10 feet Vert.
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

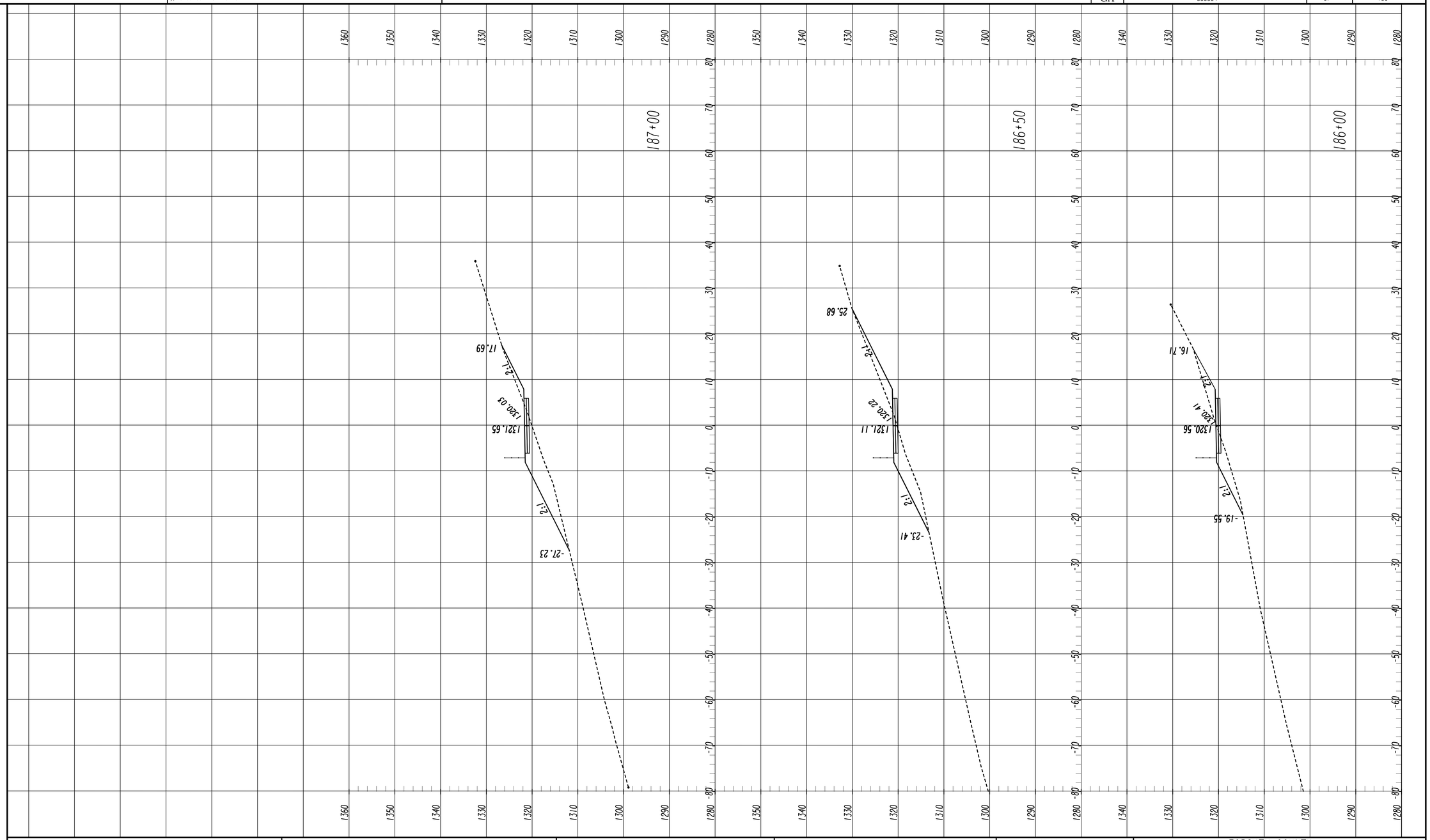
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-033

02/12/2015 GPLN

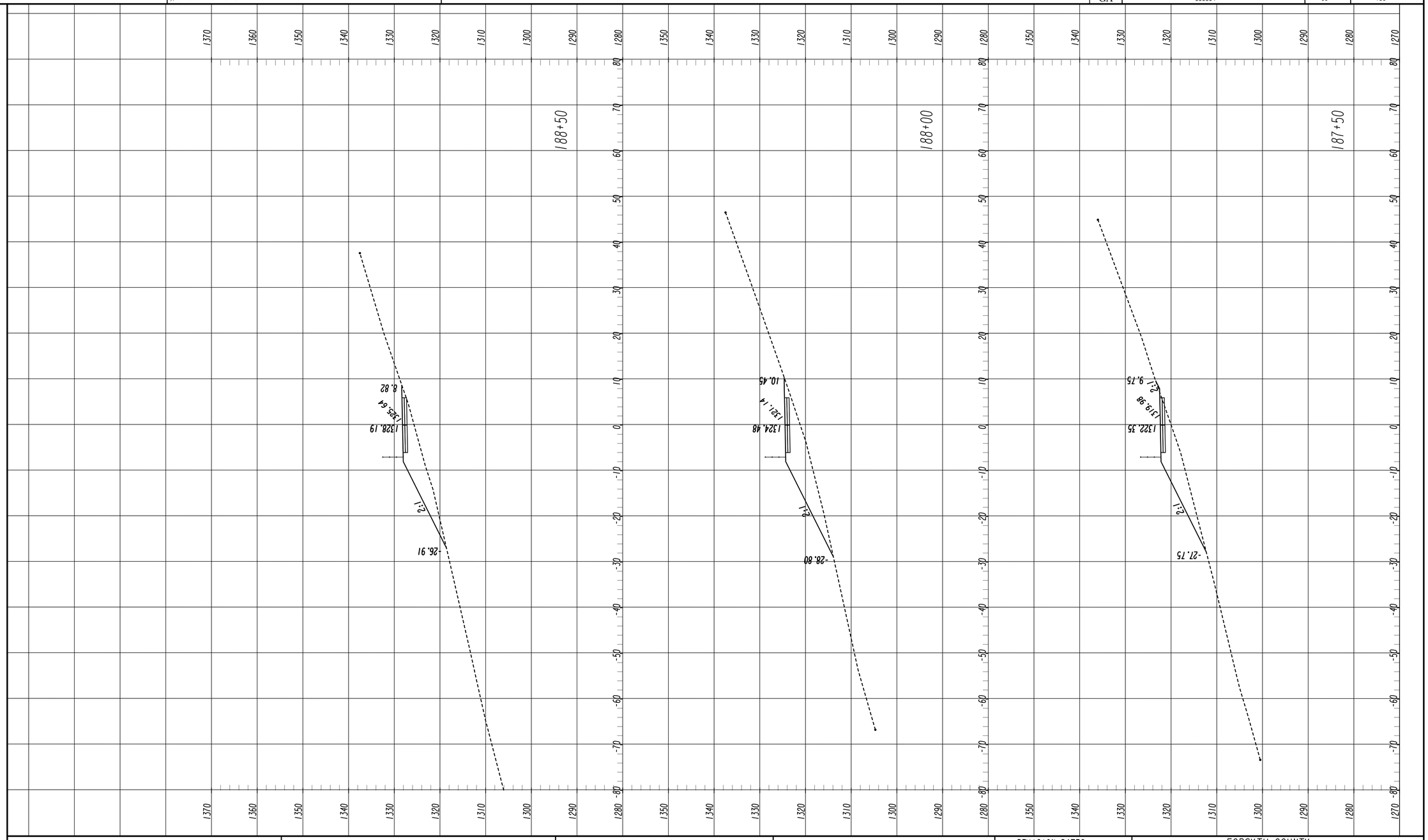
2/9/2018 1:55:46 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	67	156



		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION	DRAWING No. 23-034

02/12/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	68	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

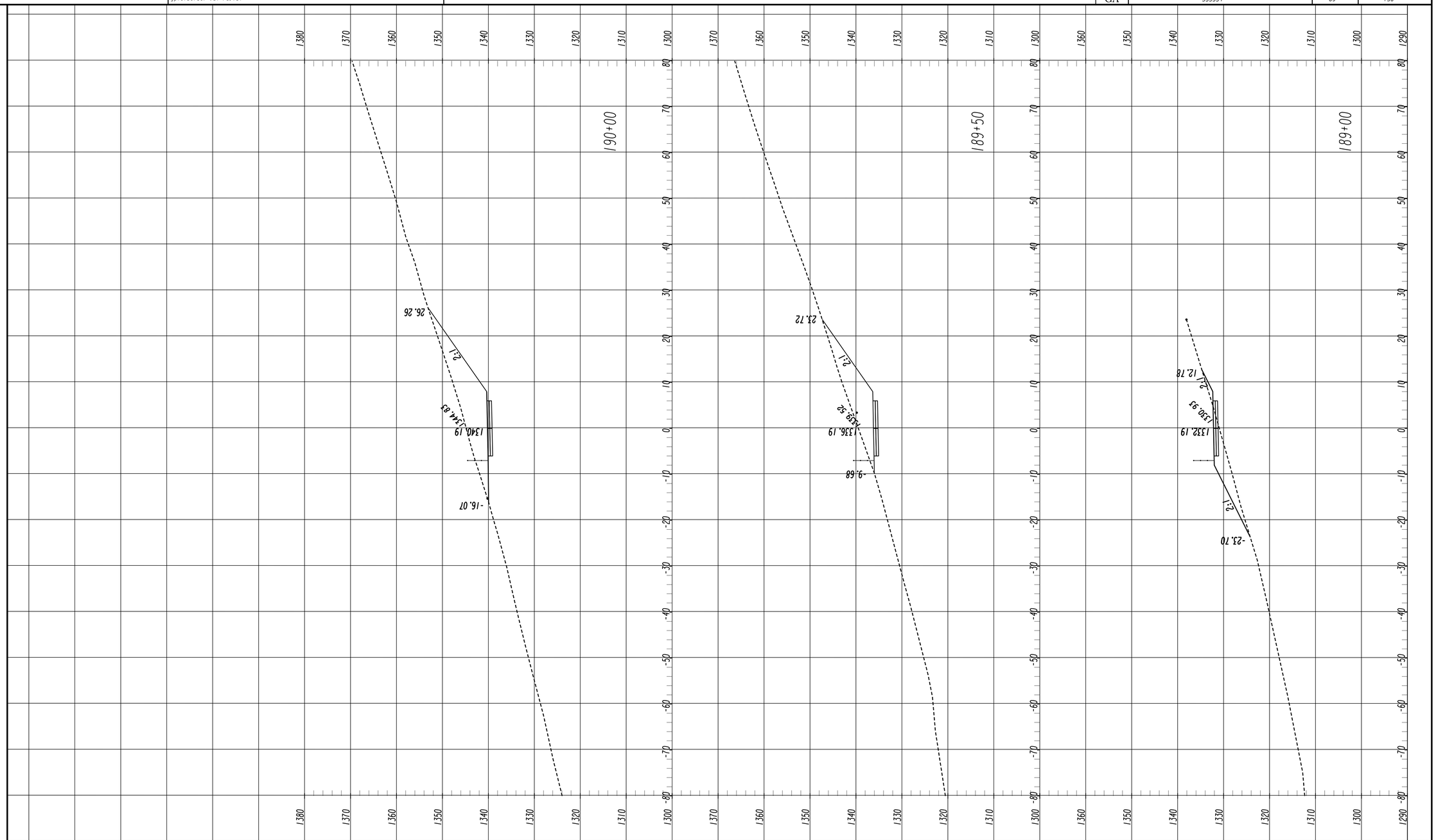
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-035

02/12/2015 GPLN

2/9/2018 1:58:05 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	69	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-036

02/12/2015 GPLN

2/9/2018 1:59:12 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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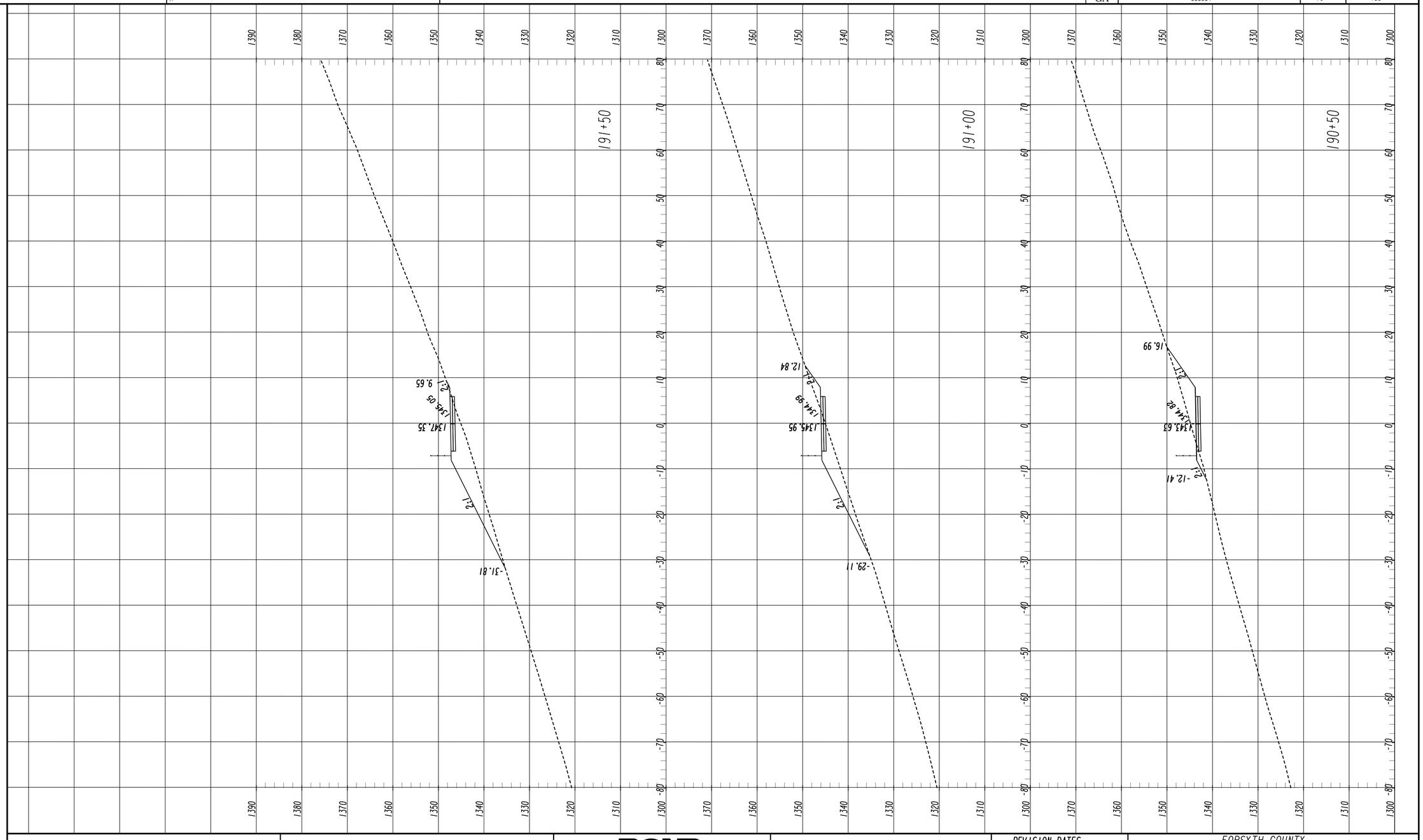

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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

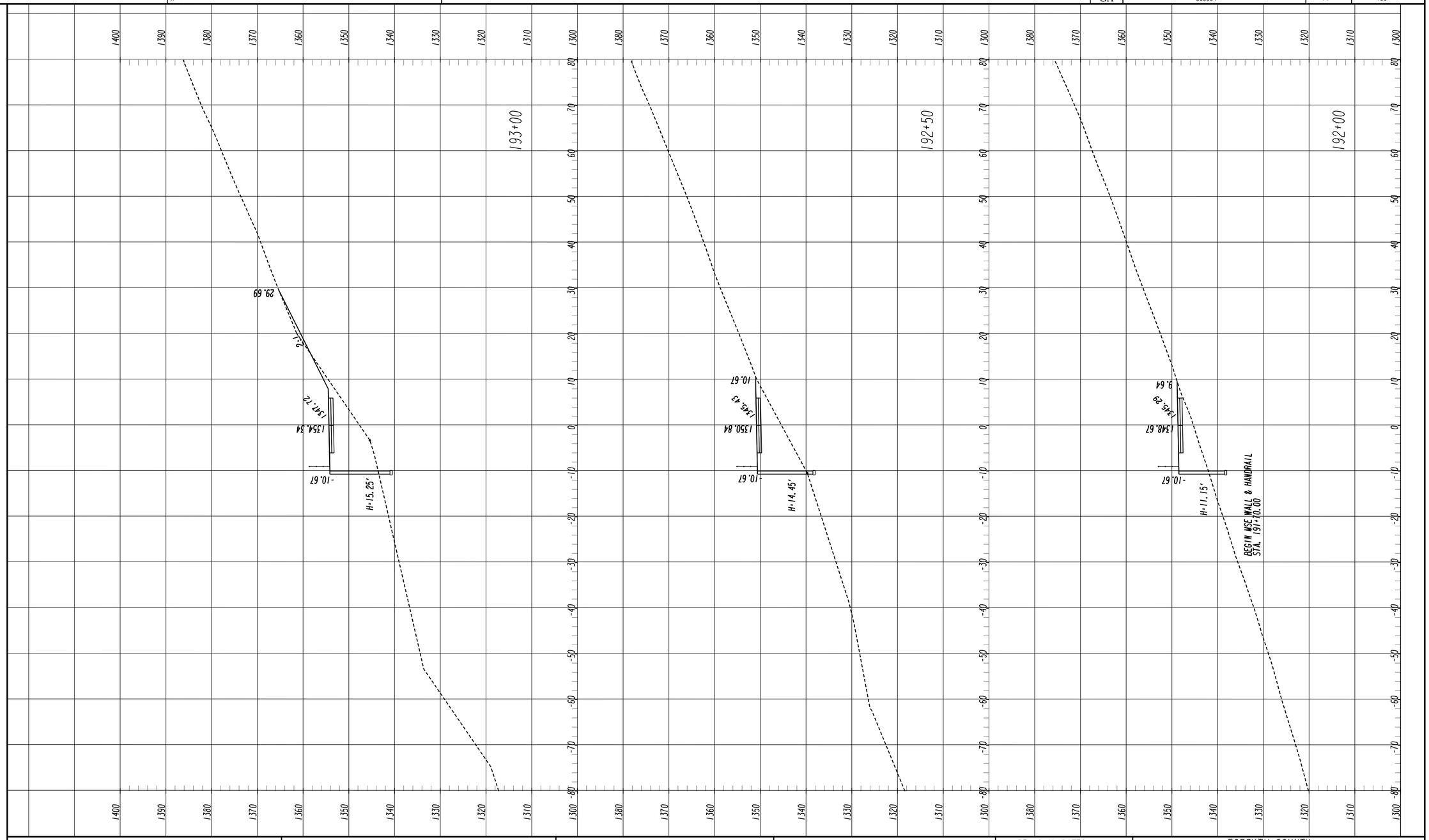
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-037

02/12/2015 GPLN

2/9/2018 2:00:21 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	71	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

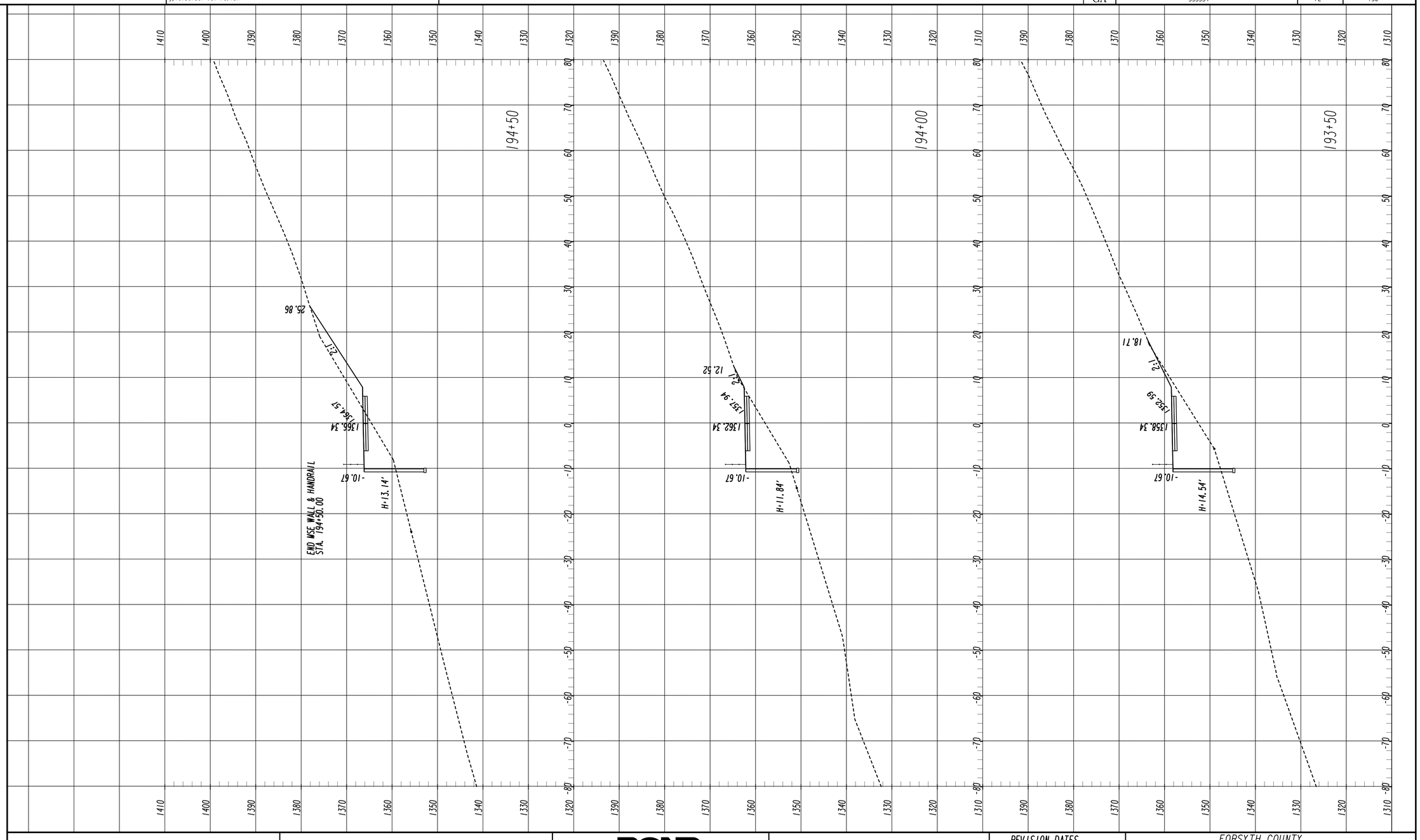
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-038

02/12/2015 GPLN

2/9/2018 2:01:30 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	72	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

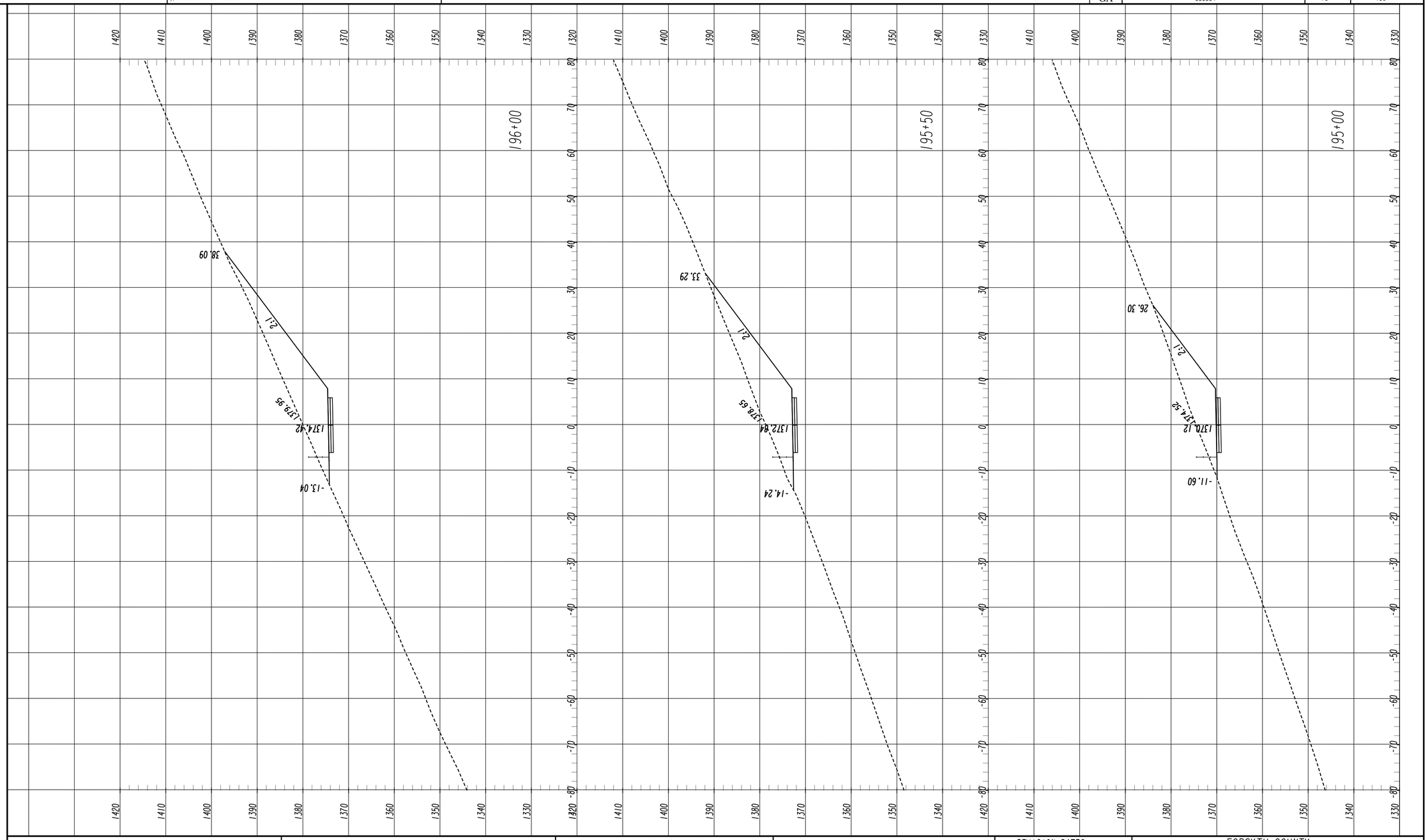
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-039

02/12/2015 GPLN

2/9/2018 2:02:40 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V8I-P0.tbl		GA	555554	73	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-040

02/12/2015 GPLN

2/9/2018 2:03:51 PM
USER:AbdellaK

GPLOT-V8
gplotborder-V81-P0.tbl

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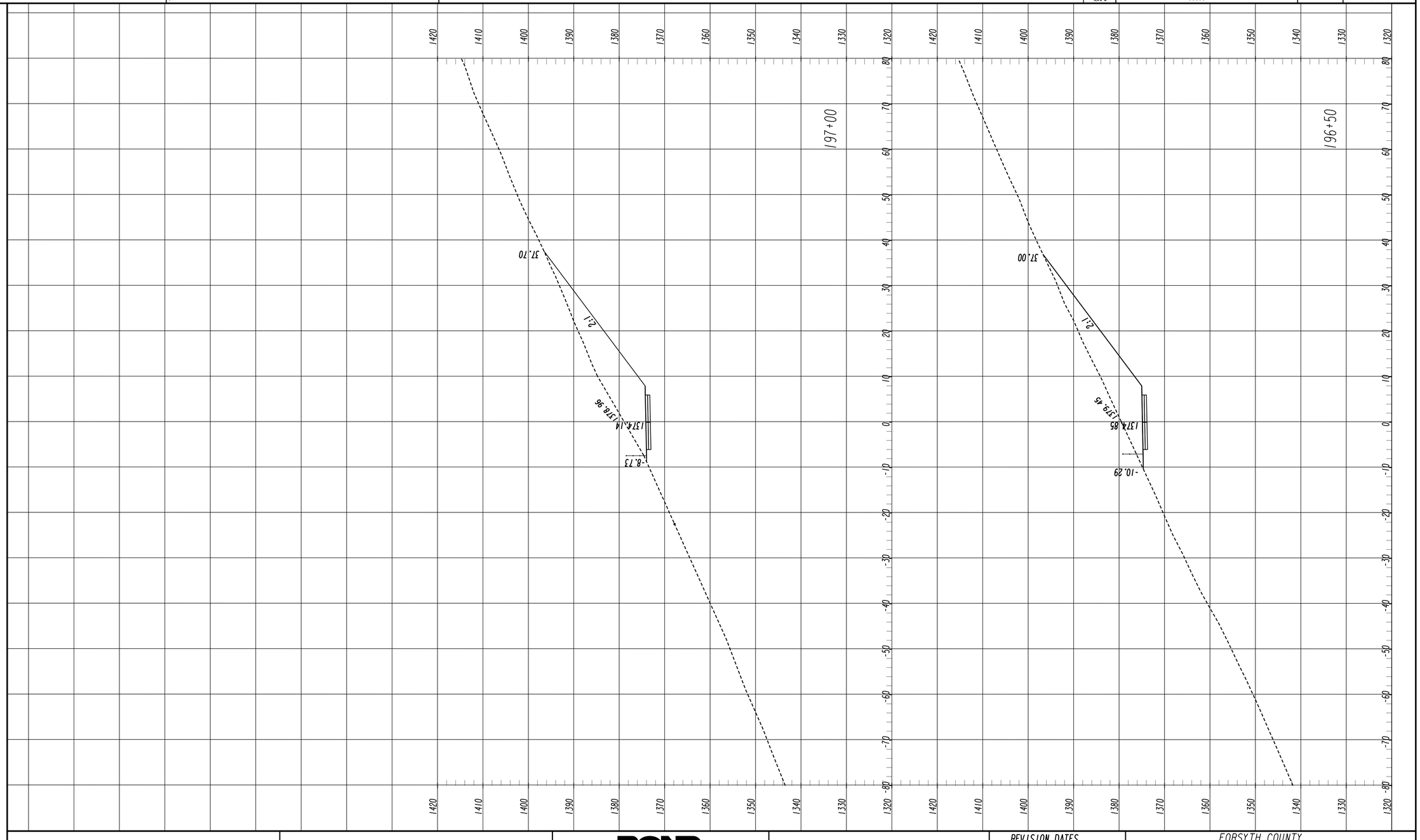
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	74	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

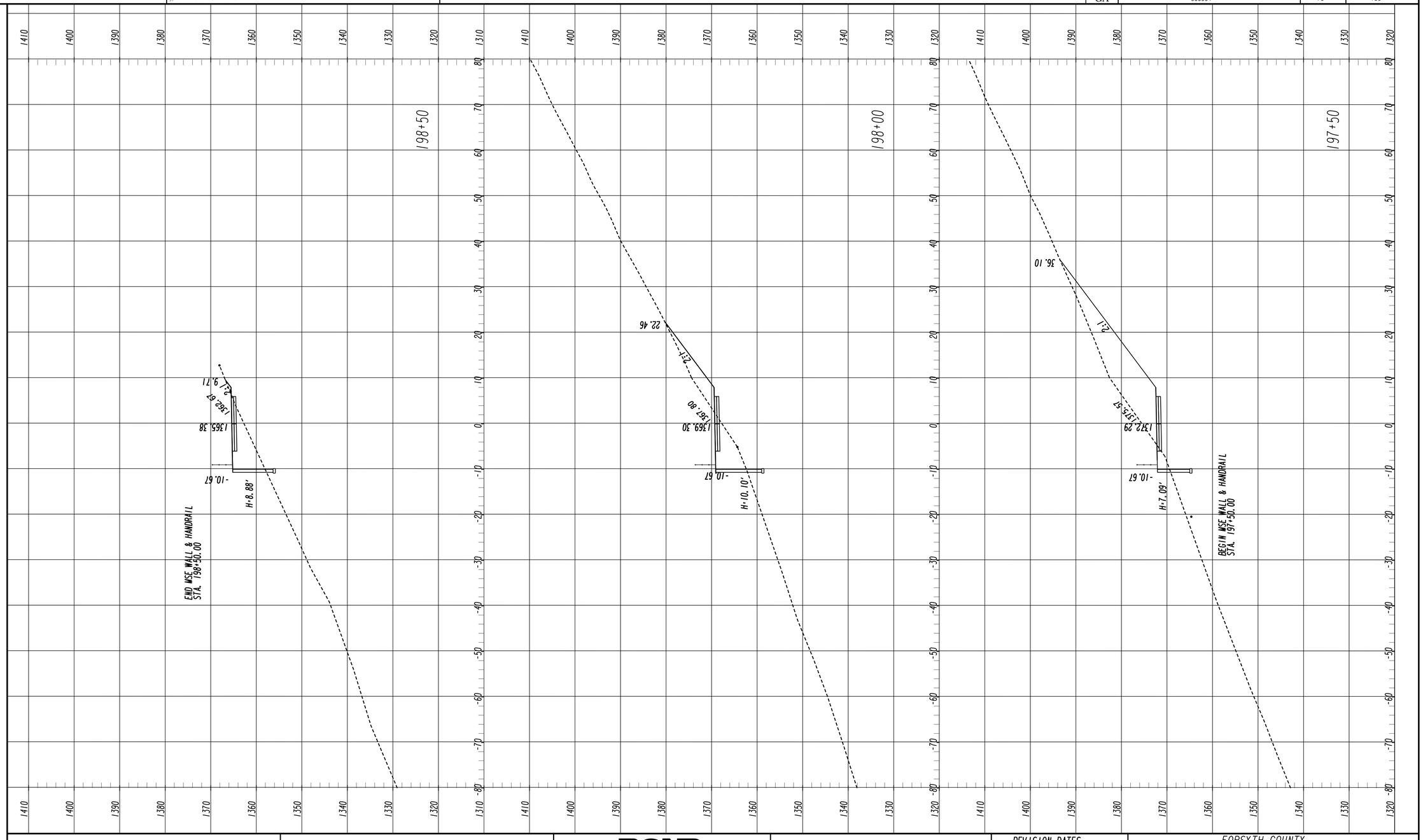
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-041

02/12/2015 GPLN

2/9/2018 2:05:02 PM GPLOT-V8
USER:AbdellaK gplotborder-V81-P0.tbl
M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	75	156



02/12/2015 GPLN

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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

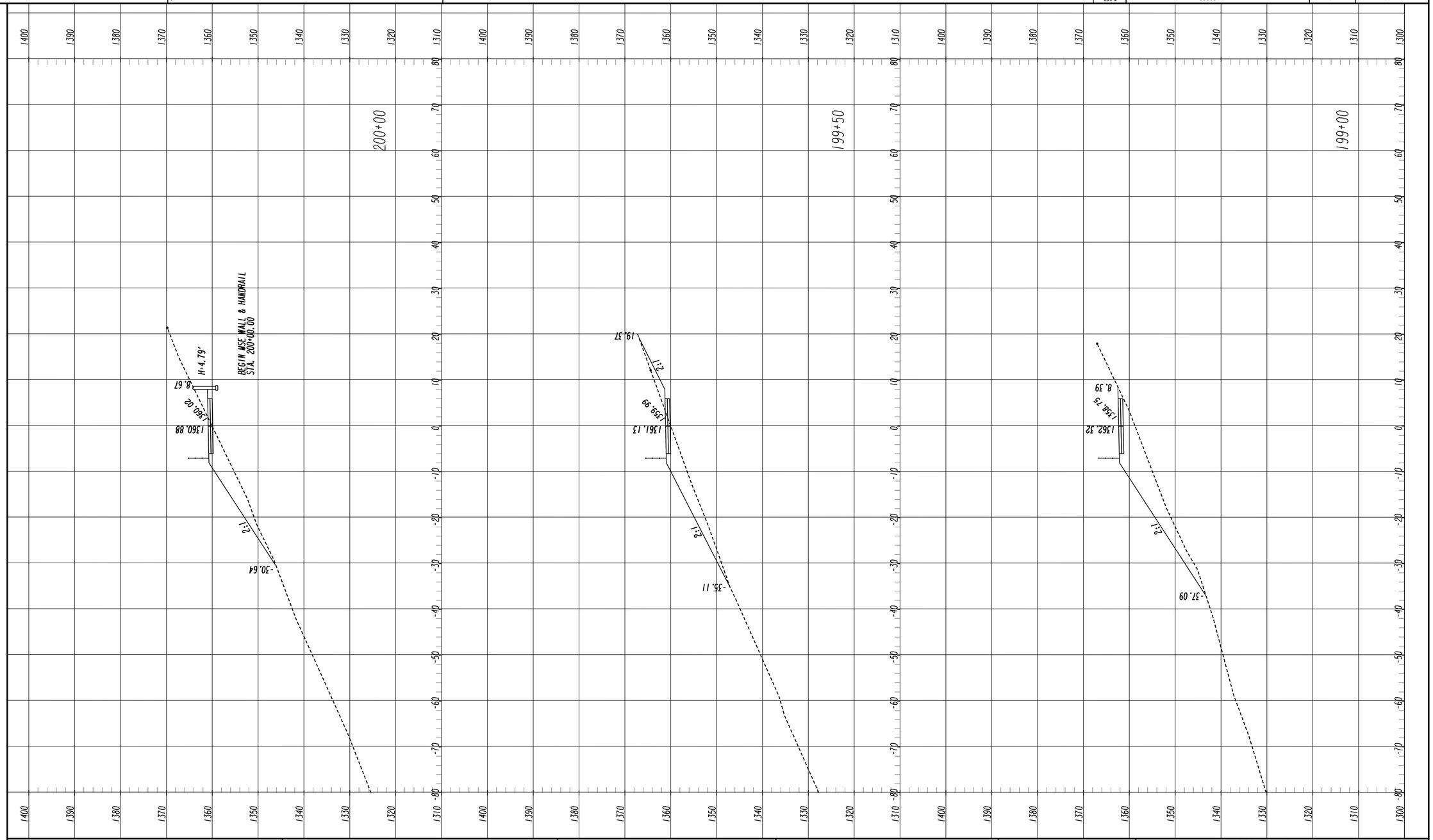
OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-042

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	76	156



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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

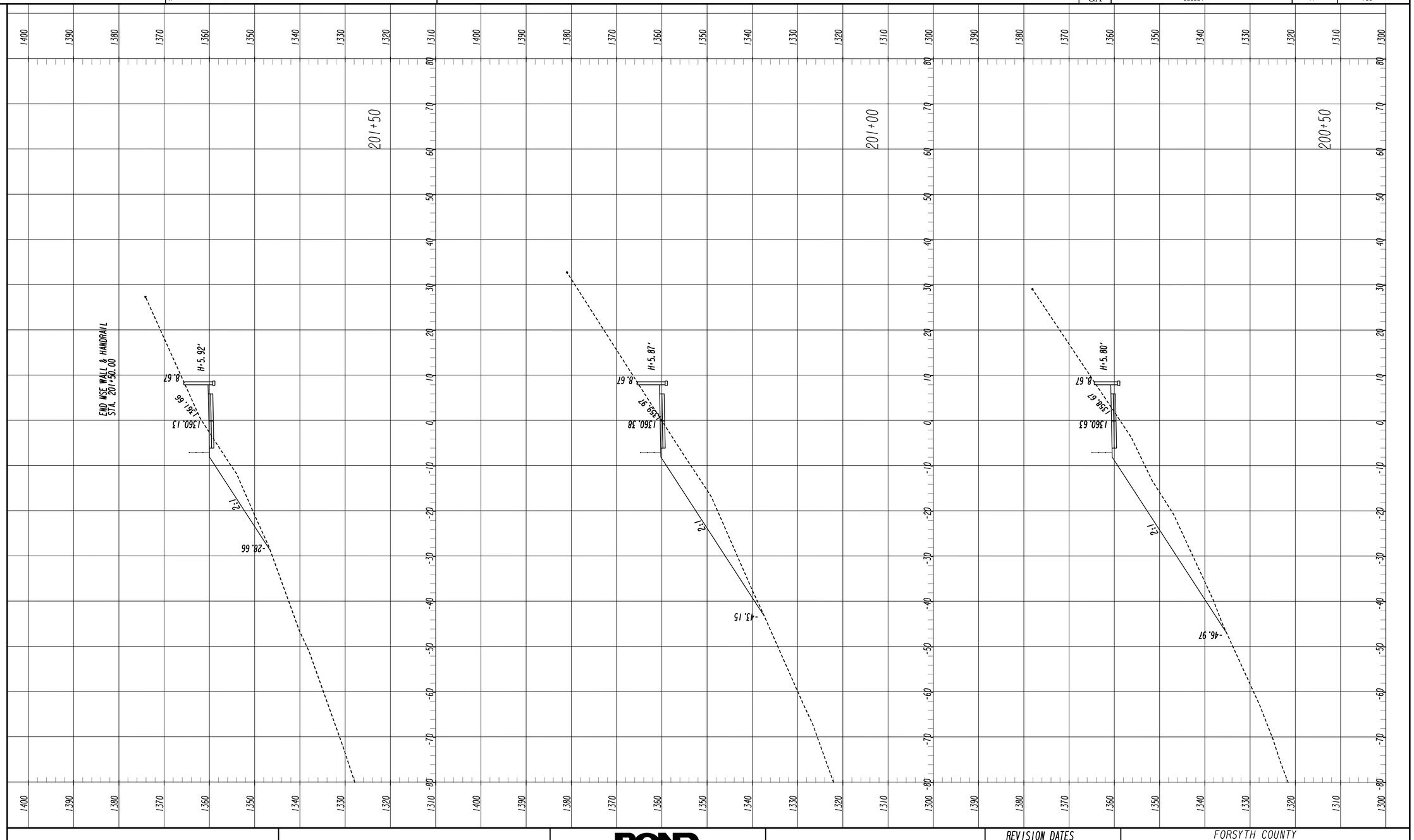
DRAWING No.
23-043

02/12/2015 GPLN

2/9/2018 2:07:20 PM | GPLOT-V8 | M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn

USER:AbdellaK | gplotborder-V81-P0.tbl

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	77	156



		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 23-044

02/12/2015 GPLN

2/9/2018 2:08:29 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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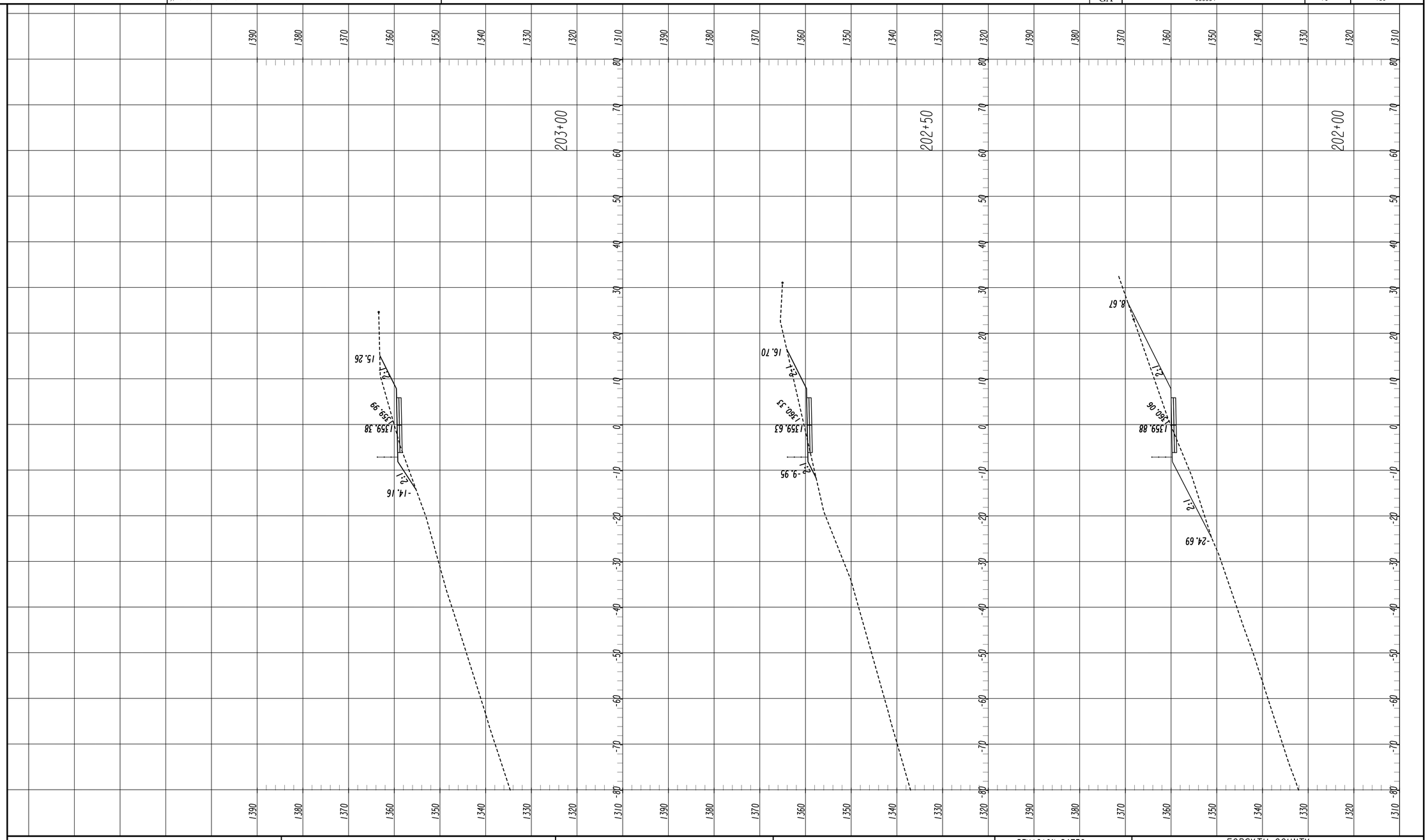

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SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

REVISION DATES

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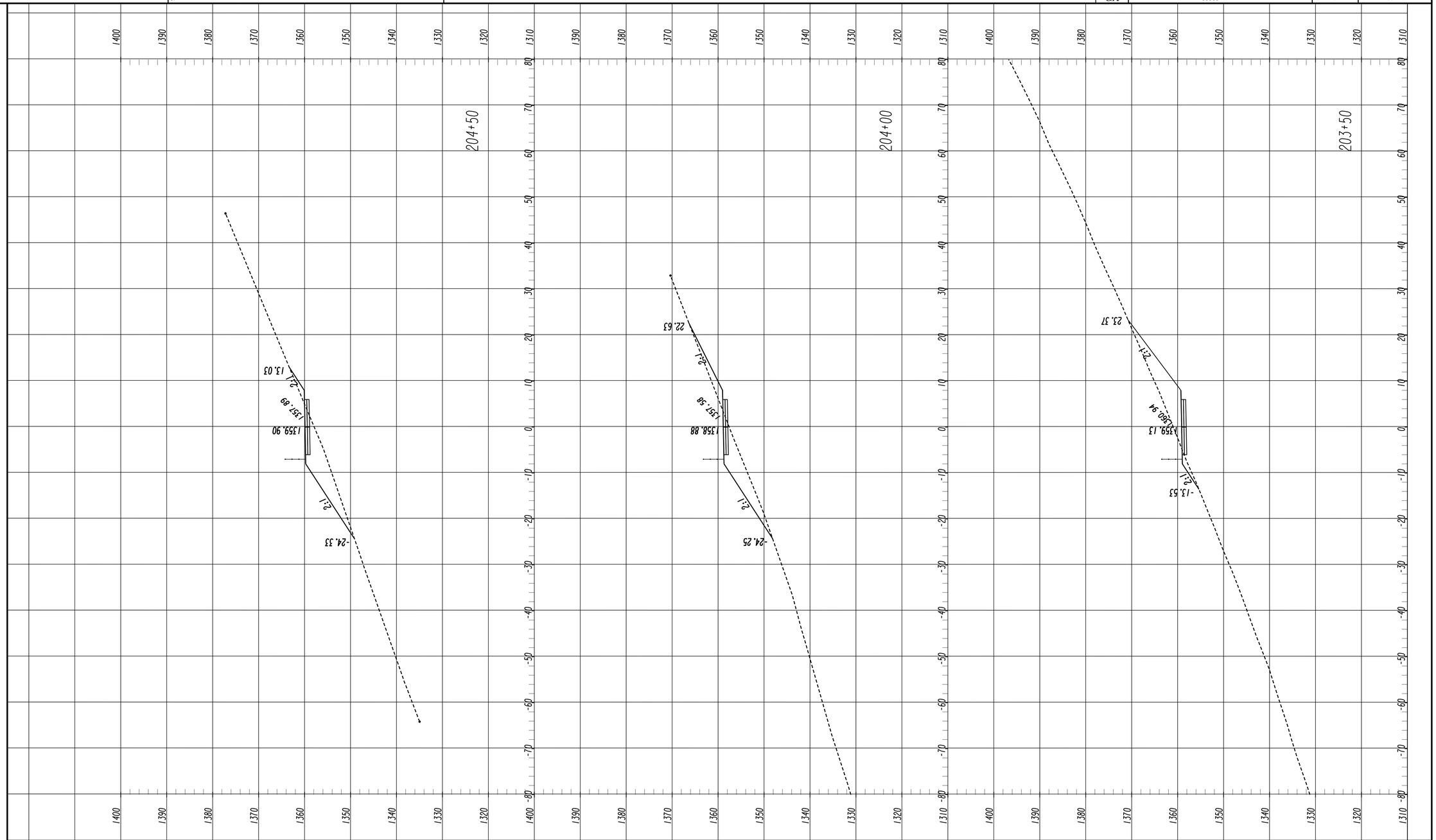
EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-045

02/12/2015 GPLN

2/9/2018	2:09:37 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V8I-P0.tbl		GA	555554	79	156



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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-046

02/12/2015 GPLN

2/9/2018 2:10:46 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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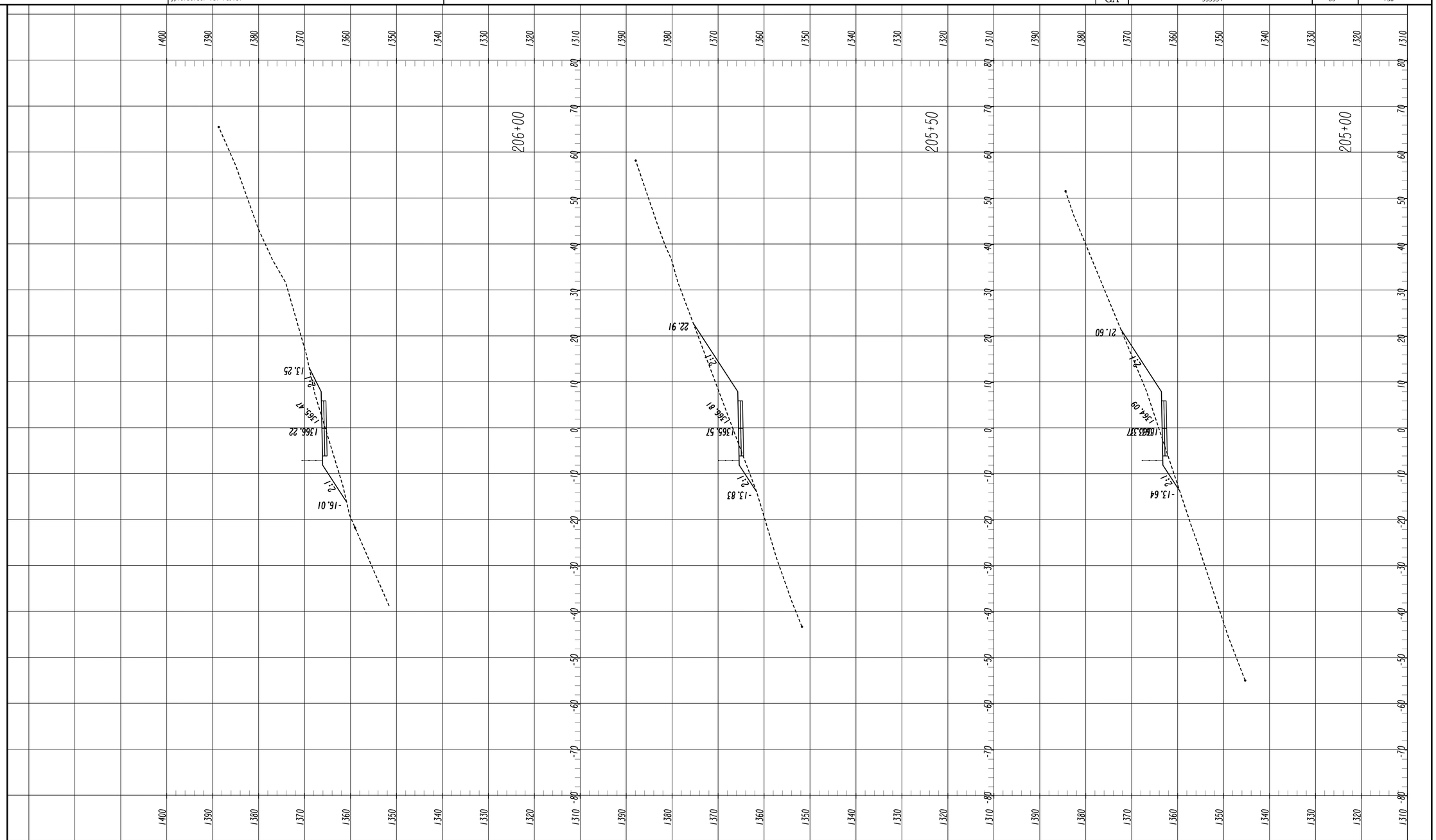

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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-047

02/12/2015 GPLN

2/9/2018 2:11:55 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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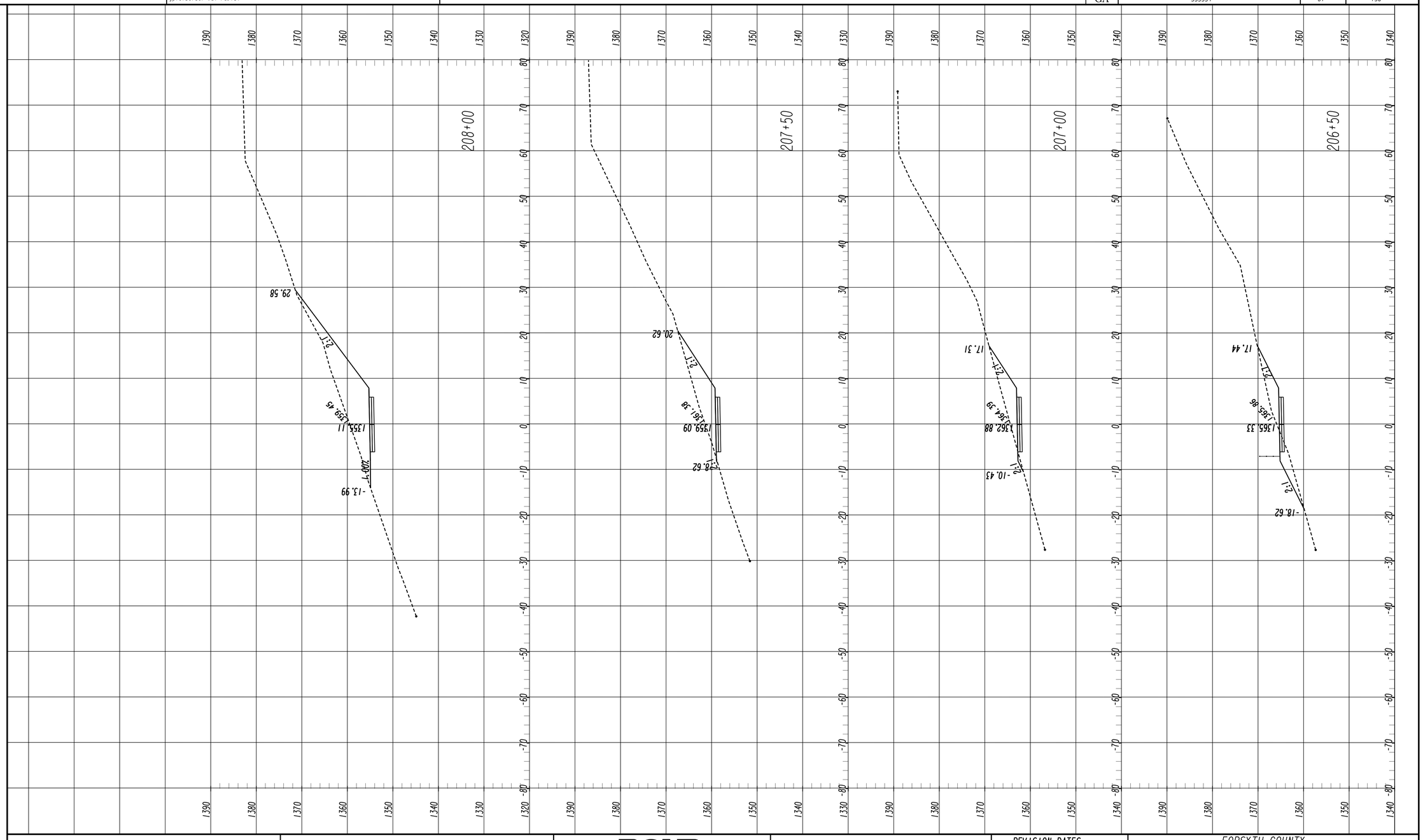

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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-048

02/12/2015 GPLN

2/9/2018 2:13:03 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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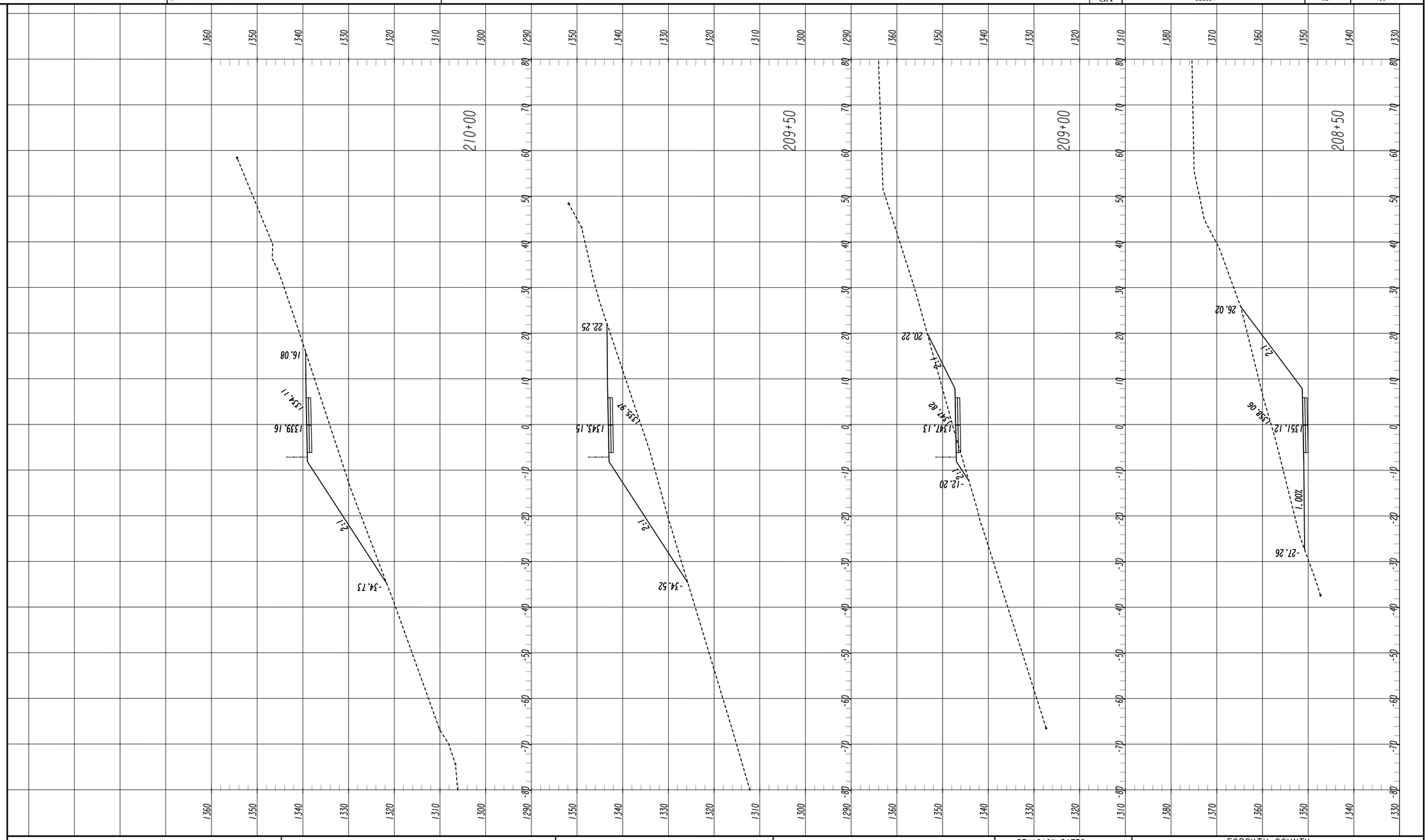

		POND 3500 Parkway Lane Suite 600 Peachtree Corners, 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com	SCALE 1 inch = 10 feet Vert. SCALE 1 inch = 10 feet Horiz.	REVISION DATES	FORSYTH COUNTY BOARD OF COMMISSIONERS OFFICE: EARTHWORK CROSS SECTIONS BIG CREEK GREENWAY PHASE 5A EXTENSION DRAWING No. 23-049

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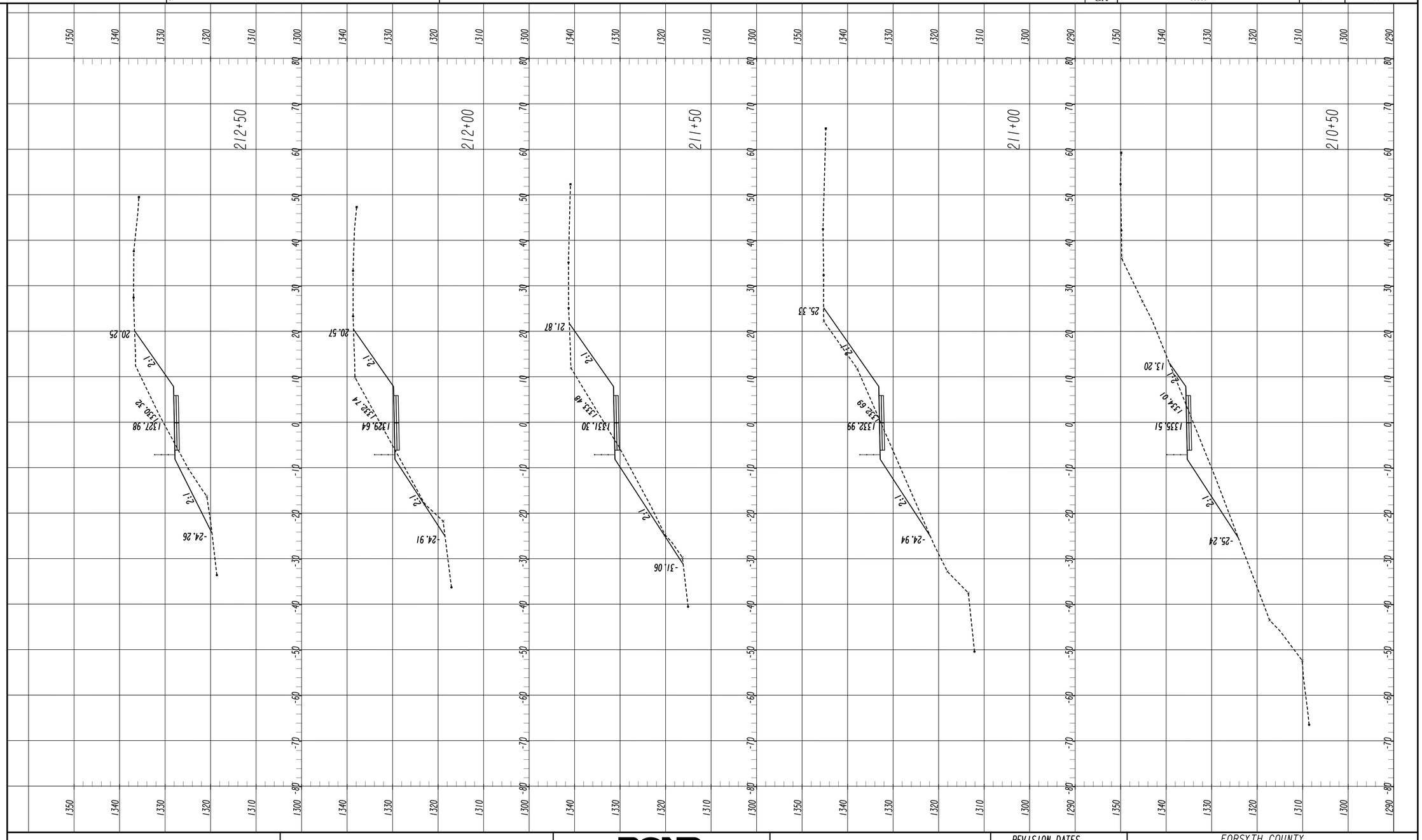
2/9/2018 2:14:12 PM | GPLOT-V8 | M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn

USER:AbdellaK | gplotborder-V81-P0.tbl

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	83	156



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REVISION DATES

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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-050

02/12/2015 GPLN

2/9/2018 2:15:20 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_23-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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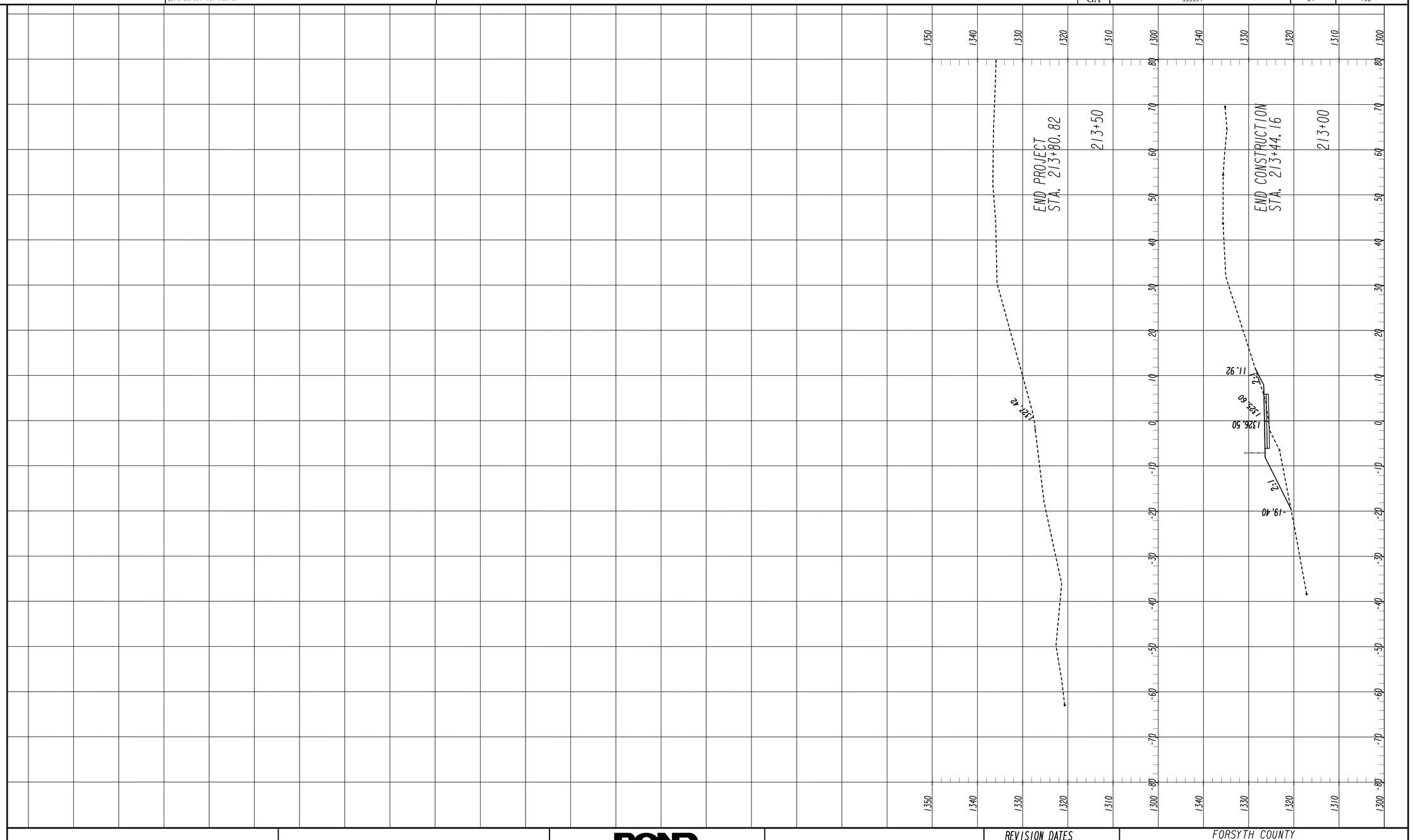

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REVISION DATES

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EARTHWORK CROSS SECTIONS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
23-051

02/12/2015 GPLN

UTILITY LINECODES

	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD	E	E	E	ELECTRIC
	E-T	E-T	E-T	ELECTRIC/TELECOMMUNICATIONS
	E-TV	E-TV	E-TV	ELECTRIC/CABLE TV
	E-TC	E-TC	E-TC	ELECTRIC/TRAFFIC CONTROL
	E-T-TV	E-T-TV	E-T-TV	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
	E-T-TV-TC	E-T-TV-TC	E-T-TV-TC	ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
	E-TV-TC	E-TV-TC	E-TV-TC	ELECTRIC/CABLE TV/TRAFFIC CONTROL
	E-T-TC	E-T-TC	E-T-TC	ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
	GW	GW	GW	GUY WIRE
	T	T	T	TELECOMMUNICATIONS
	T-TC	T-TC	T-TC	TELECOMMUNICATIONS/TRAFFIC CONTROL
	T-TV-TC	T-TV-TC	T-TV-TC	TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
	T-TV	T-TV	T-TV	TELECOMUNICATIONS/CABLE TV
	TV	TV	TV	CABLE TV
	TV-TC	TV-TC	TV-TC	CABLE TV/TRAFFIC CONTROL
	TC	TC	TC	TRAFFIC CONTROL
UNDERGROUND	E	E	E	ELECTRIC (QL-D)
	E(C)	E(C)		ELECTRIC (QL-C)
	E(B)	E(B)		ELECTRIC (QL-B)
	T	T	T	TELECOMMUNICATIONS (QL-D)
	T(C)	T(C)		TELECOMMUNICATIONS (QL-C)
	T(B)	T(B)		TELECOMMUNICATIONS (QL-B)
	TV	TV	TV	CABLE TV (QL-D)
	TV(C)	TV(C)		CABLE TV (QL-C)
	TV(B)	TV(B)		CABLE TV (QL-B)
	W	W	W	WATER (QL-D)
	W(C)	W(C)		WATER (QL-C)
	W(B)	W(B)		WATER (QL-B)
	**W	**W	**W	WATER FOR LABELED PIPE SIZES (QL-D)
	**W(C)	**W(C)		WATER FOR LABELED PIPE SIZES (QL-C)
	**W(B)	**W(B)		WATER FOR LABELED PIPE SIZES (QL-B)
	NW	NW	NW	NON-POTABLE WATER (QL-D)
	NW(C)	NW(C)		NON-POTABLE WATER (QL-C)
	NW(B)	NW(B)		NON-POTABLE WATER (QL-B)
	**NW	**NW	**NW	NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D)
	**NW(C)	**NW(C)		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C)
	**NW(B)	**NW(B)		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B)
	STM	STM	STM	STEAM (QL-D)
	STM(C)	STM(C)		STEAM (QL-C)
	STM(B)	STM(B)		STEAM (QL-B)
	**STM	**STM	**STM	STEAM FOR LABELED PIPE SIZES (QL-D)
	**STM(C)	**STM(C)		STEAM FOR LABELED PIPE SIZES (QL-C)
	**STM(B)	**STM(B)		STEAM FOR LABELED PIPE SIZES (QL-B)
	SS	SS	SS	SANITARY SEWER WITH FLOW DIRECTION (QL-D)
	SS(C)	SS(C)		SANITARY SEWER WITH FLOW DIRECTION (QL-C)
	SS(B)	SS(B)		SANITARY SEWER WITH FLOW DIRECTION (QL-B)
	Σ**SS	Σ**SS	Σ**SS	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D)
	Σ**SS(C)	Σ**SS(C)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C)
	Σ**SS(B)	Σ**SS(B)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B)
	SFM	SFM	SFM	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D)
	SFM(C)	SFM(C)		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C)
	SFM(B)	SFM(B)		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B)
	G	G	G	GAS (QL-D)
	G(C)	G(C)		GAS (QL-C)
	G(B)	G(B)		GAS (QL-B)
	**G	**G	**G	GAS FOR LABELED PIPE SIZES (QL-D)
	**G(C)	**G(C)		GAS FOR LABELED PIPE SIZES (QL-C)
	**G(B)	**G(B)		GAS FOR LABELED PIPE SIZES (QL-B)
	P	P	P	PETROLEUM (QL-D)
	P(C)	P(C)		PETROLEUM (QL-C)
	P(B)	P(B)		PETROLEUM (QL-B)
	**P	**P	**P	PETROLEUM FOR LABELED PIPE SIZES (QL-D)
	**P(C)	**P(C)		PETROLEUM FOR LABELED PIPE SIZES (QL-C)
	**P(B)	**P(B)		PETROLEUM FOR LABELED PIPE SIZES (QL-B)
	TC	FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS		TRAFFIC CONTROL (QL-D)
	TC(C)			TRAFFIC CONTROL (QL-C)
	TC(B)			TRAFFIC CONTROL (QL-B)
	UNK(B)	UNK(B)		UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (QL-B)

UTILITY SYMBOLS

EXISTING	PROPOSED	TEMPORARY	
			UTILITY POLE/GUY POLE
			LIGHT POLE
			GUY ANCHOR
M	M	M	MARKER
X	X	X	SPLICE BOX
			CABINET
			VENT
E	E	E	ELECTRIC MANHOLE
H	H	H	HAND HOLE
E	E	E	TRANSFORMER
E	E	E	ELECTRIC METER
E	E	E	ELECTRIC BOX
T	T	T	TELECOMMUNICATIONS MANHOLE
T	T	T	TELECOMMUNICATIONS PEDESTAL
SLC	SLC	SLC	SUBCRIBER LOOP CARRIER (aKa "SLICK")
			PHONE BOOTH
			CABLE TV PEDESTAL
TV	TV	TV	CABLE TV MANHOLE
W	W	W	WATER VALVE
W	W	W	WATER METER
W	W	W	WATER MANHOLE
			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)
BFP	BFP	BFP	BACKFLOW PREVENTER
PIV	PIV	PIV	PRESSURE INDICATOR VALVE
ARV	ARV	ARV	AIR RELEASE VALVE
W	W	W	WELL
W	W	W	WATER VAULT
W	W	W	WATER VALVE MARKER
			STAND PIPE

EXISTING	PROPOSED	TEMPORARY	
			CLEANOUT
SS	SS	SS	SANITARY SEWER MANHOLE
ARV	ARV	ARV	AIR RELEASE VALVE
GT	GT	GT	GREASE TRAP
S	S	S	SANITARY SEWER FORCE MAIN VALVE
G	G	G	GAS VALVE
G	G	G	GAS METER
G	G	G	GAS MANHOLE
GPR	GPR	GPR	GAS PRESSURE REGULATOR
G	G	G	GAS VAULT
GTS	GTS	GTS	GAS TEST STATION
P	P	P	PETROLEUM VALVE
TC	FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS		TRAFFIC CONTROL MANHOLE/ ELECTRIC COMMUNICATIONS BOX
			TRAFFIC CONTROL PEDESTRIAN SIGNAL/BUTTON POST

MISCELLANEOUS

LOS	LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
TH	TEST HOLE (QL-A ONLY)
EOI	END OF INFORMATION
	QUALITY LEVEL (QL) DELINEATION
123	POLE ID
A01	SANITARY SEWER MANHOLE (SSMH) ID
C123	CONFLICT LOCATION (UTILITY IMPACT ANALYSIS (UIA) ONLY)

QUALITY LEVELS AND DEFINITIONS

QL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

TELEPHONE PAIR SIZE TABLE

TELEPHONE PAIR SIZE	TELEPHONE CABLE DIAMETER
5 - 100	0.50 TO 2.00 IN
101 - 2400	UP TO 3.50 IN

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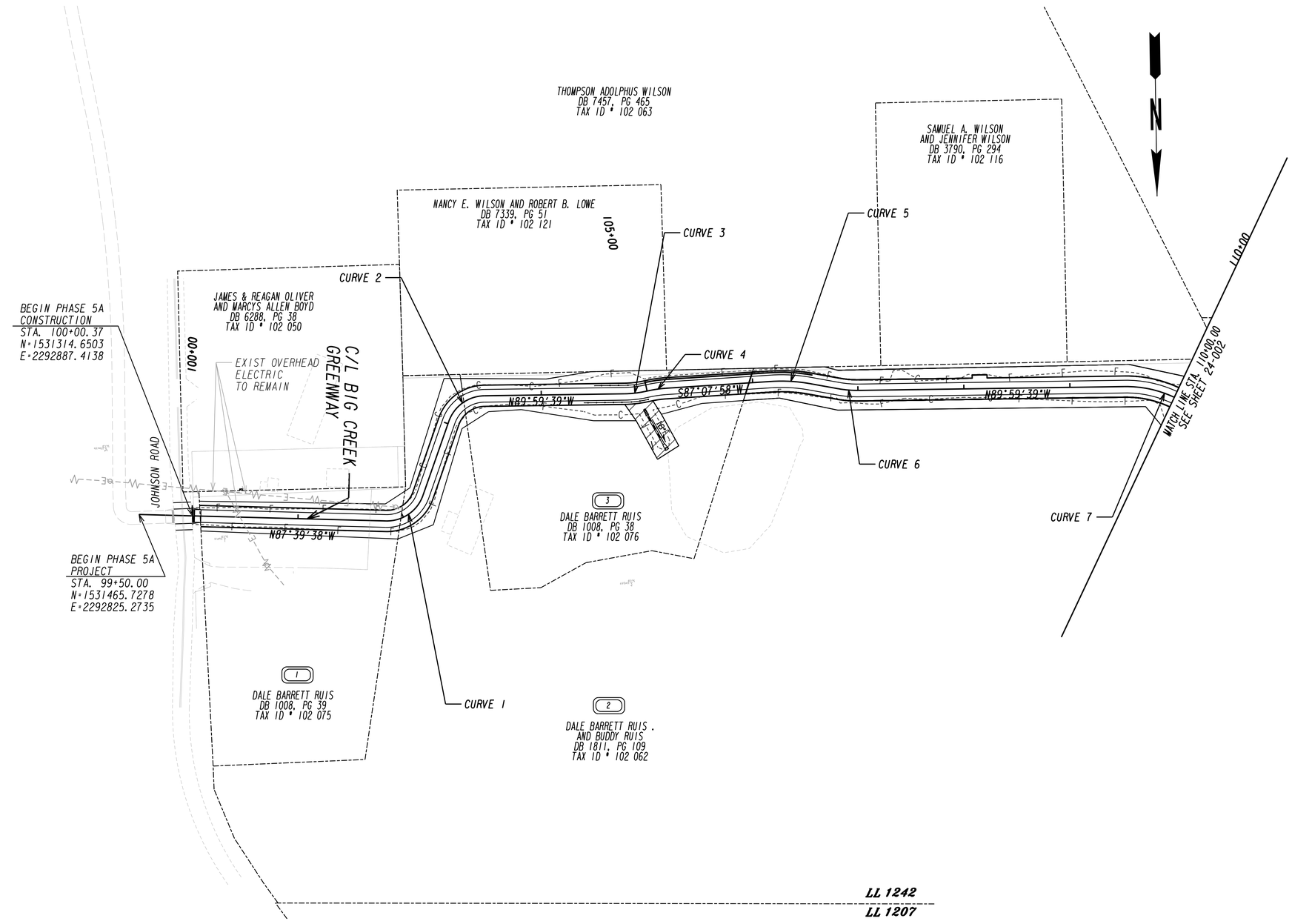
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 24-000

2/9/2018 2:17:13 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_24-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	86	156



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

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	——ooo——ooo——
REQ'D R/W & LIMIT OF ACCESS	——|||——|||——

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SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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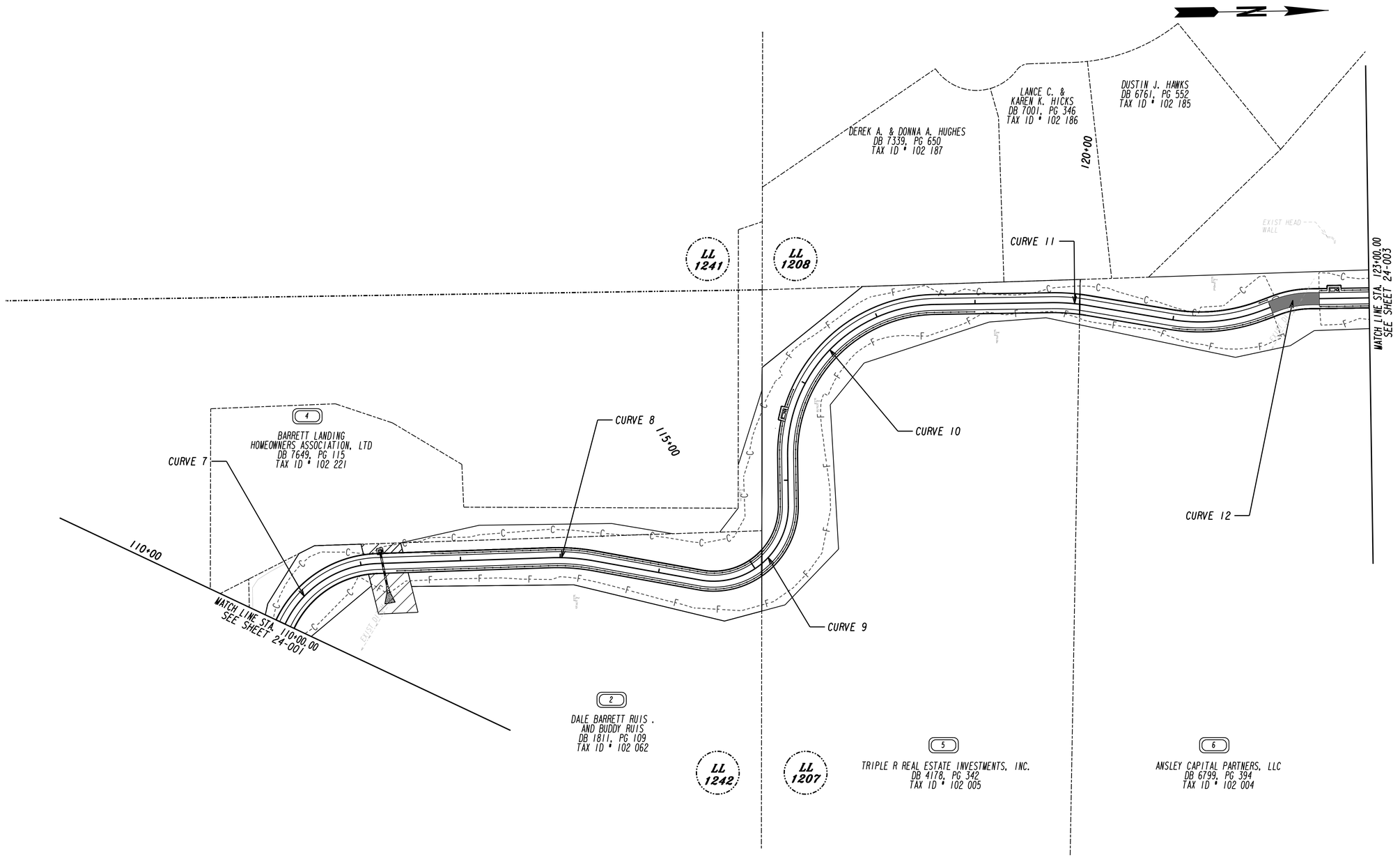
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
24-001

02/12/2015 GPLN

2/9/2018	2:17:35 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_24-002.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V81-P0.tbl		GA	555554	87	156



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

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REVISION DATES

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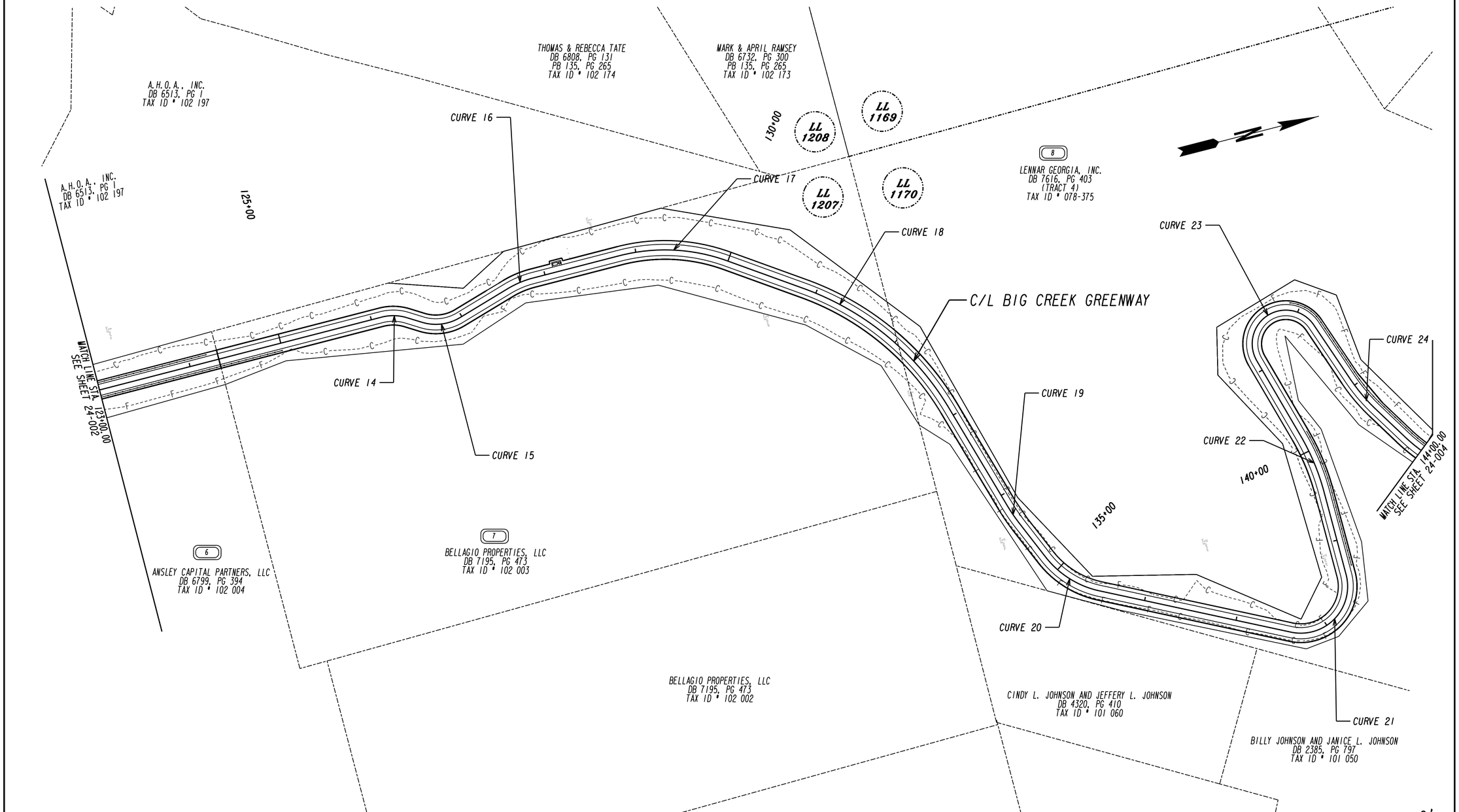
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
24-002

02/12/2015 GPLN

2/9/2018 2:18:05 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_24-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	88	156



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

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0 50 100 200

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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
24-003

02/12/2015 GPLN

2/9/2018 2:18:23 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_24-004.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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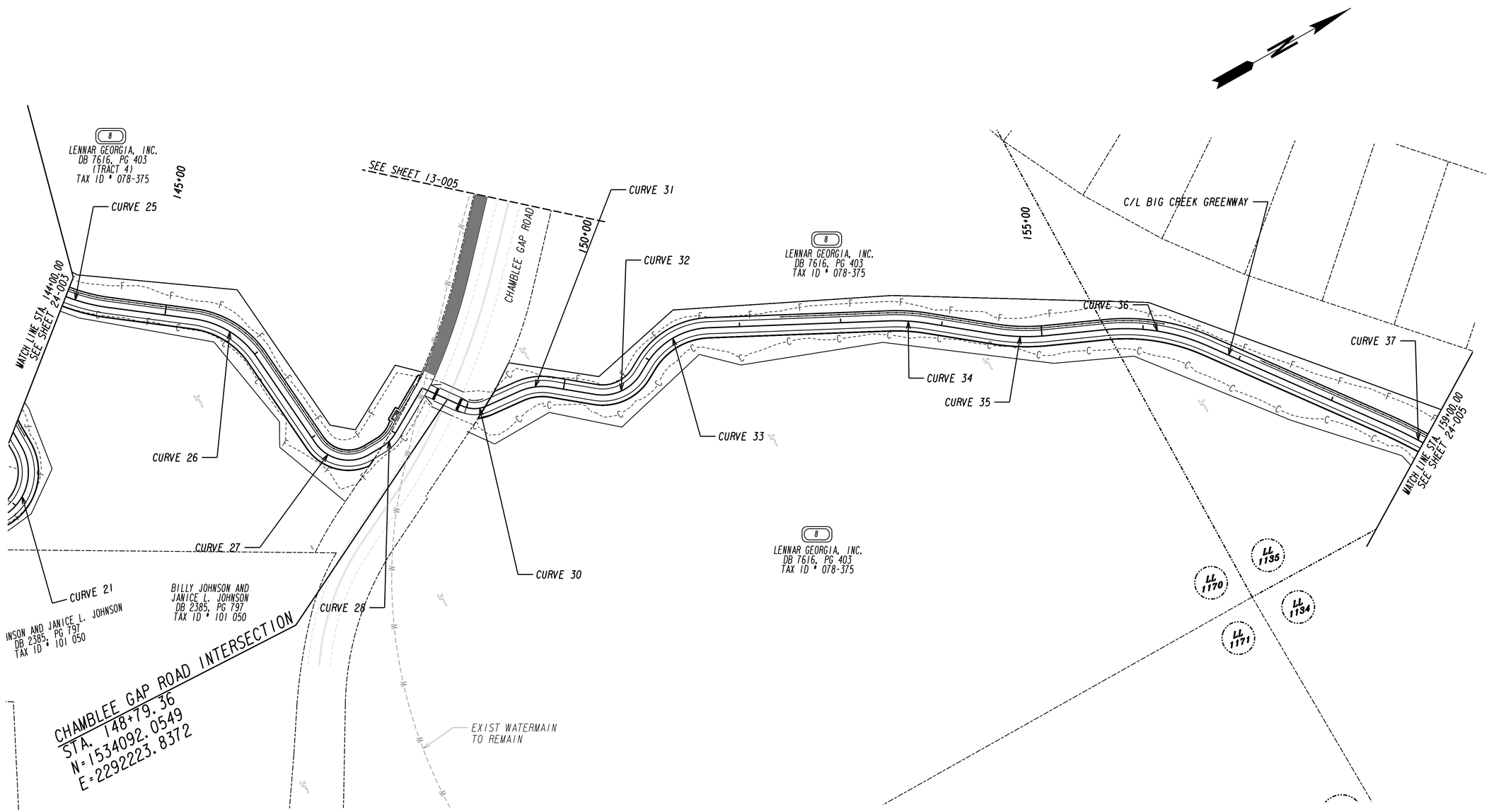

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE
EASEMENT FOR CONSTR OF DRIVES

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

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SCALE IN FEET
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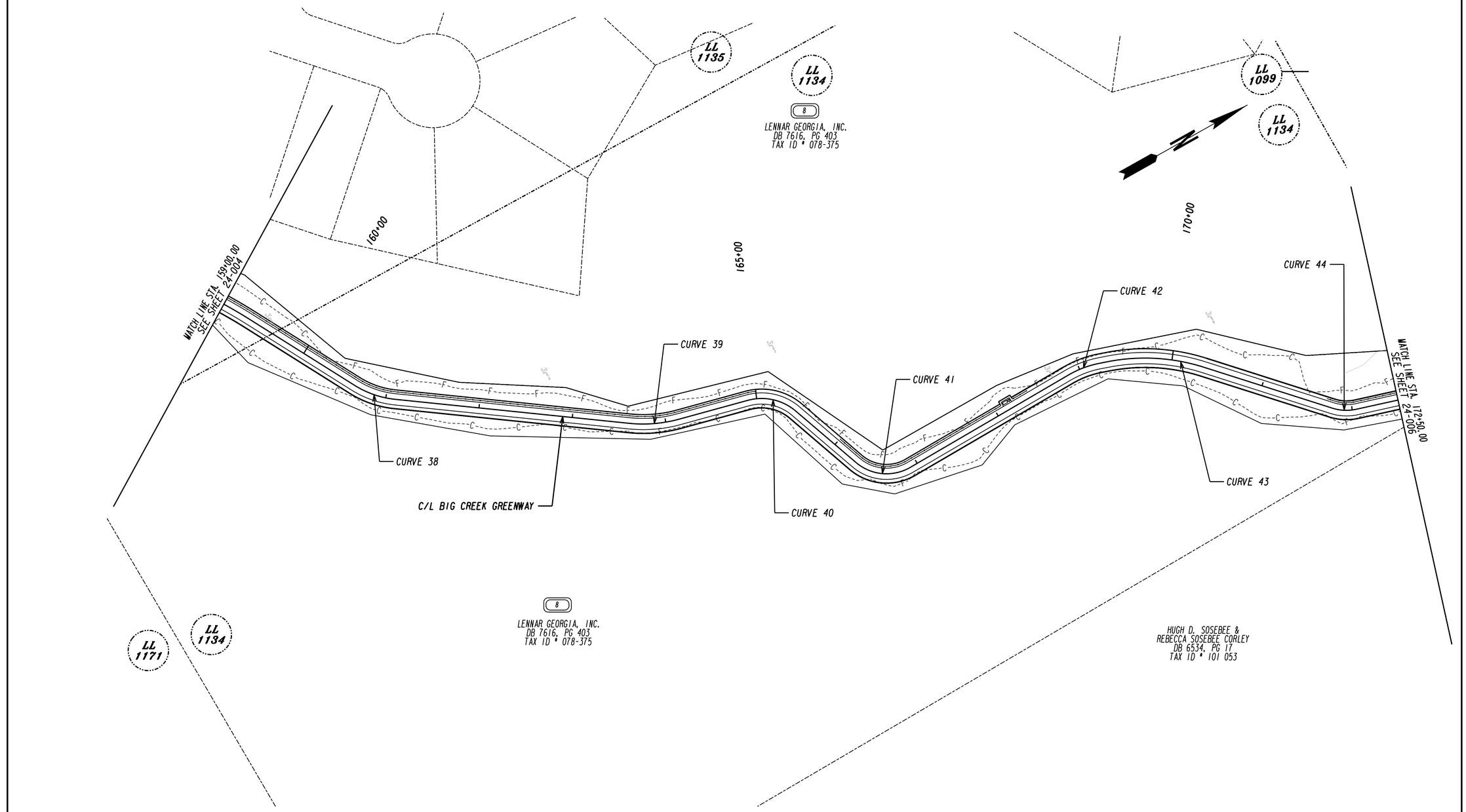
PHASE 5A EXTENSION

DRAWING No.
24-004

02/12/2015 GPLN

2/9/2018 2:18:42 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_24-005.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	90	156



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

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

UTILITY PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
24-005

02/12/2015 GPLN

2/9/2018 3:03:20 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_24-006.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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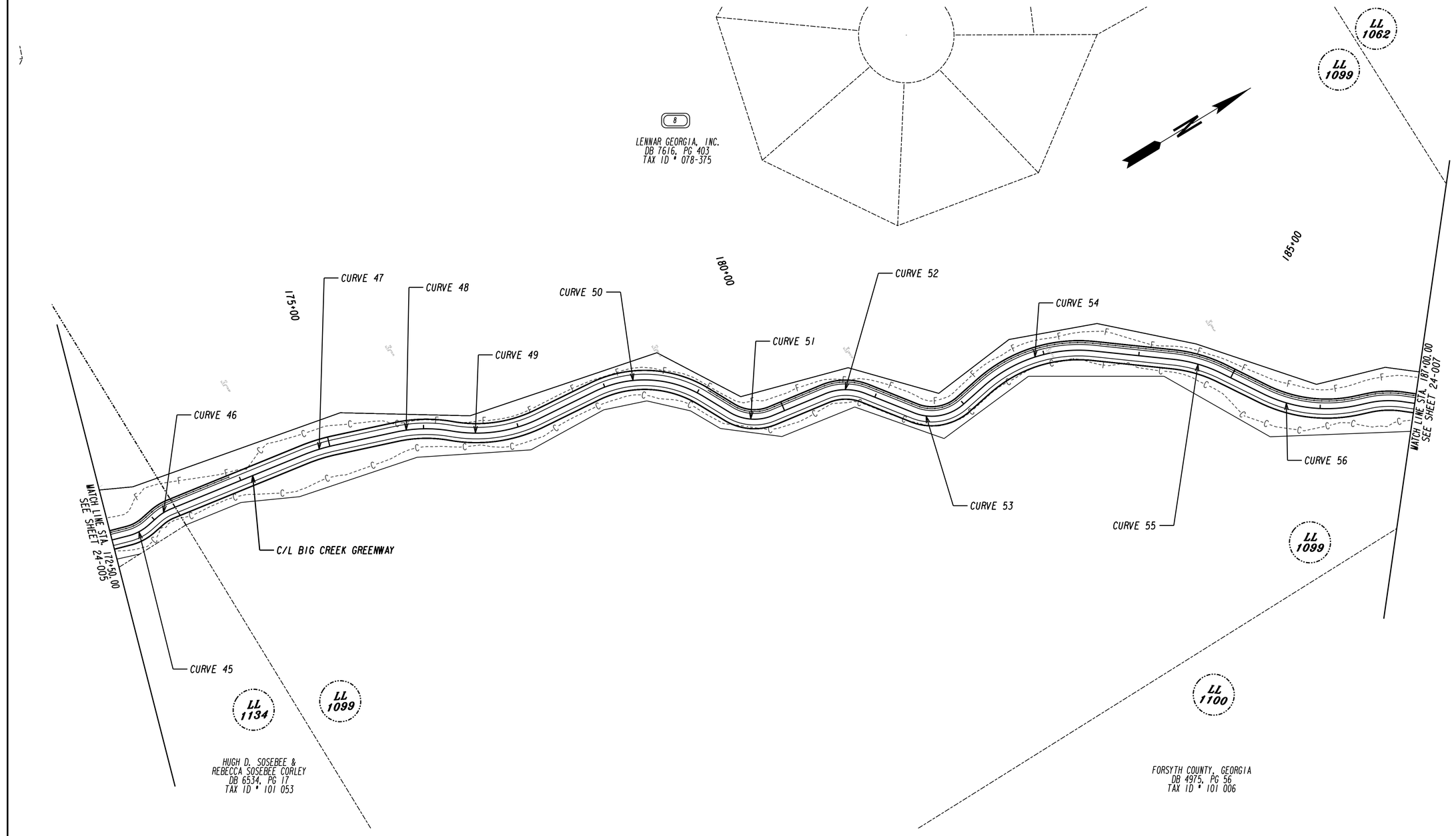

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

02/12/2015 GPLN

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

UTILITY PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
24-006

2/9/2018 2:19:19 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_24-007.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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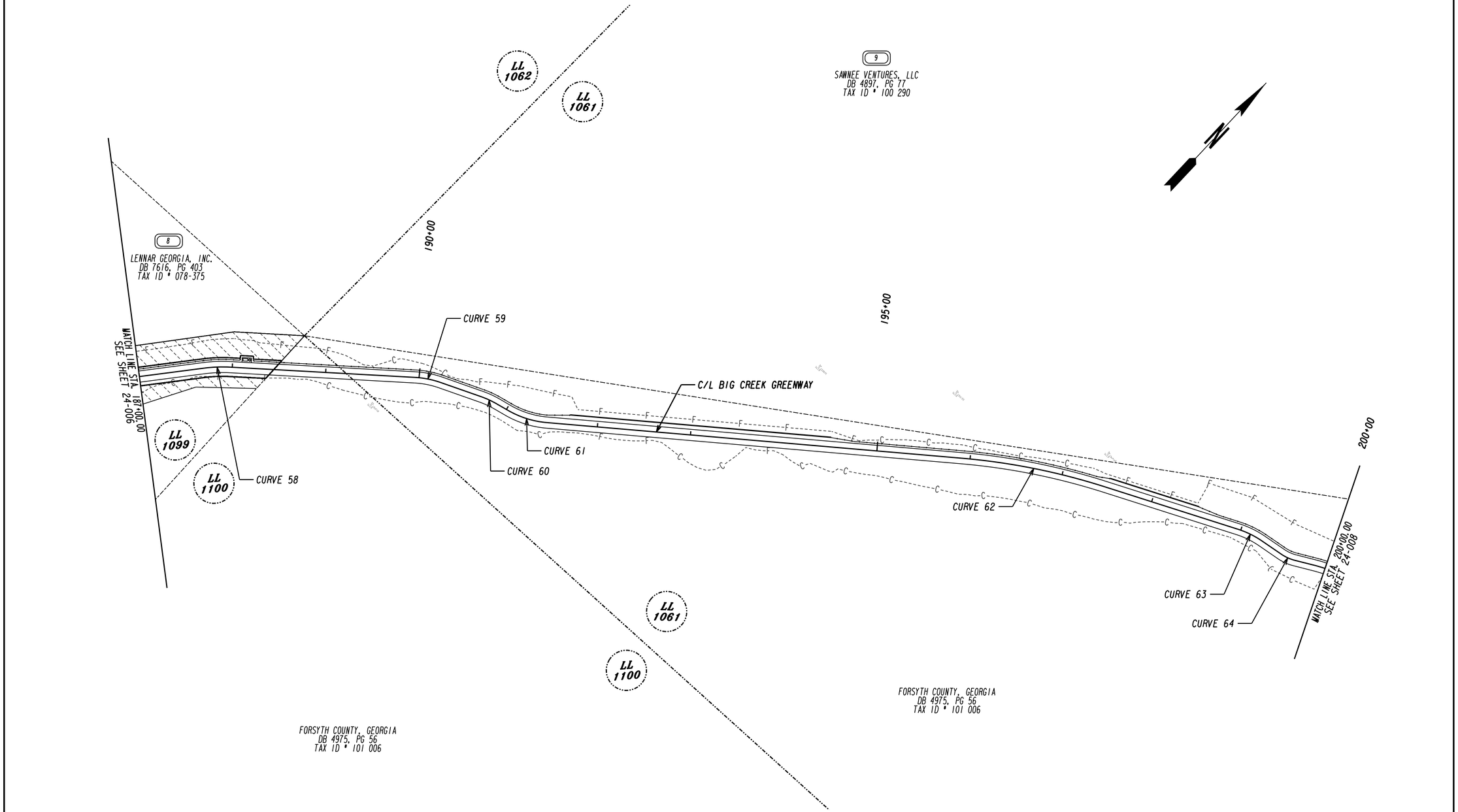

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE
EASEMENT FOR CONSTR OF DRIVES

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

POND
3500 Parkway Lane
Suite 600
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SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

UTILITY PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
24-007

02/12/2015 GPLN

2/9/2018 2:19:38 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_24-008.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	93	156

9

SAWNEE VENTURES, LLC
DB 4897, PG 77
TAX ID # 100 290

205+00

210+00

N

EXISTING:
6" STEEL GAS MAIN
300 PSIG MAOP
300 PSIG NOP
GRADE B/.188 WALL
CP RECTIFIER

STATE ROUTE 20

EXIST OVERHEAD
ELECTRIC
TO REMAIN

CURVE 65
CURVE 66
CURVE 67
CURVE 68
CURVE 69
CURVE 70
CURVE 71
CURVE 72
CURVE 73
CURVE 74
CURVE 75
CURVE 76
CURVE 77

C/L BIG CREEK GREENWAY

MATCH LINE STA. 200+00.00
SEE SHEET 24-007

FORSYTH COUNTY, GEORGIA
DB 4975, PG 56
TAX ID # 101 006

CITY WATER TANKS
DB 03495, PG 38
TAX ID # 125 028

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 & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

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SCALE IN FEET
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

UTILITY PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
24-008

02/12/2015 GPLN

2/9/2018 2:19:56 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_26-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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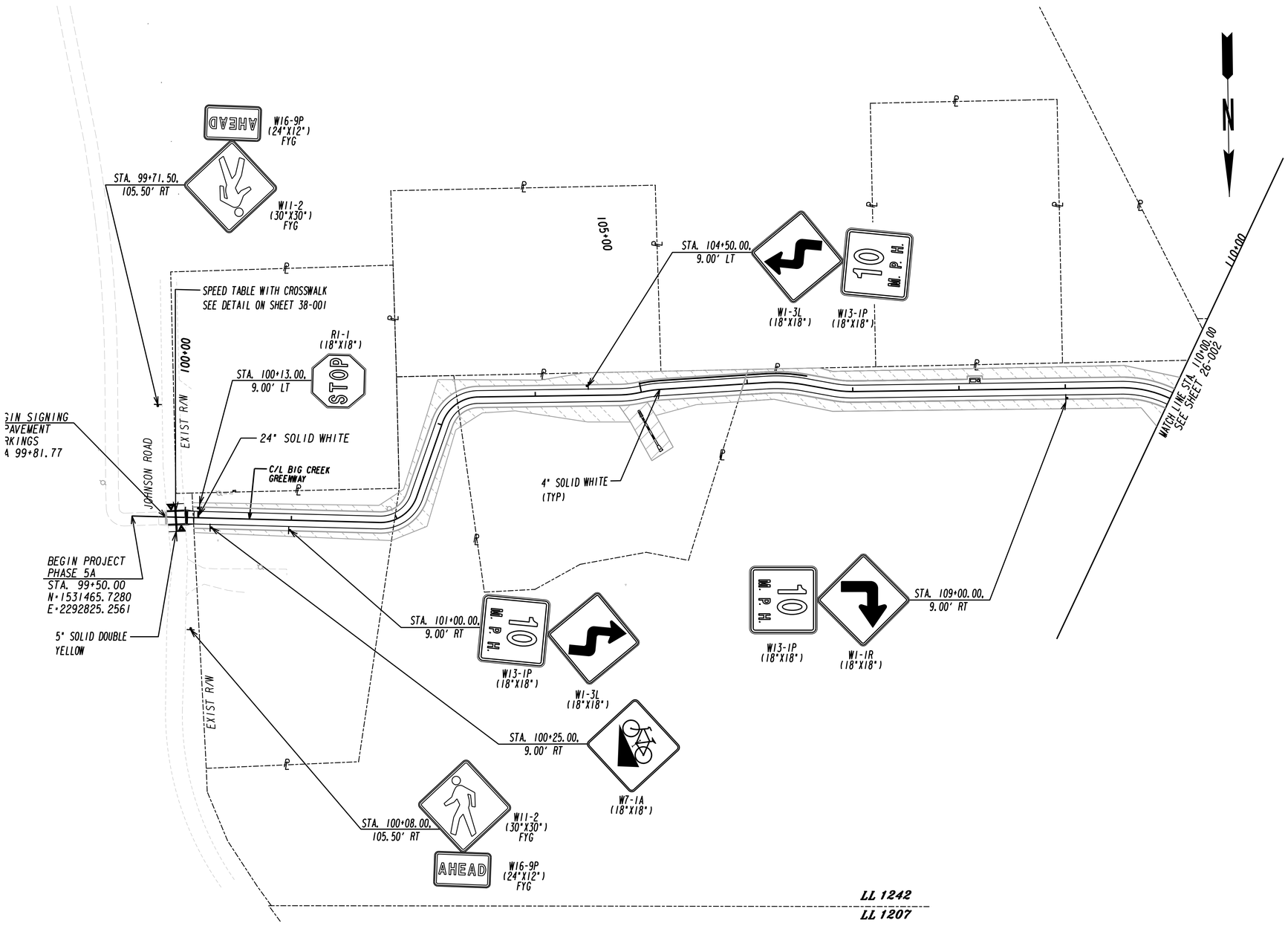

PROPERTY AND EXISTING R/W LINE	----------℄----------
REQUIRED R/W LINE	————————
CONSTRUCTION LIMITS	--C--F--
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

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

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SCALE IN FEET
0 50 100 200

REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

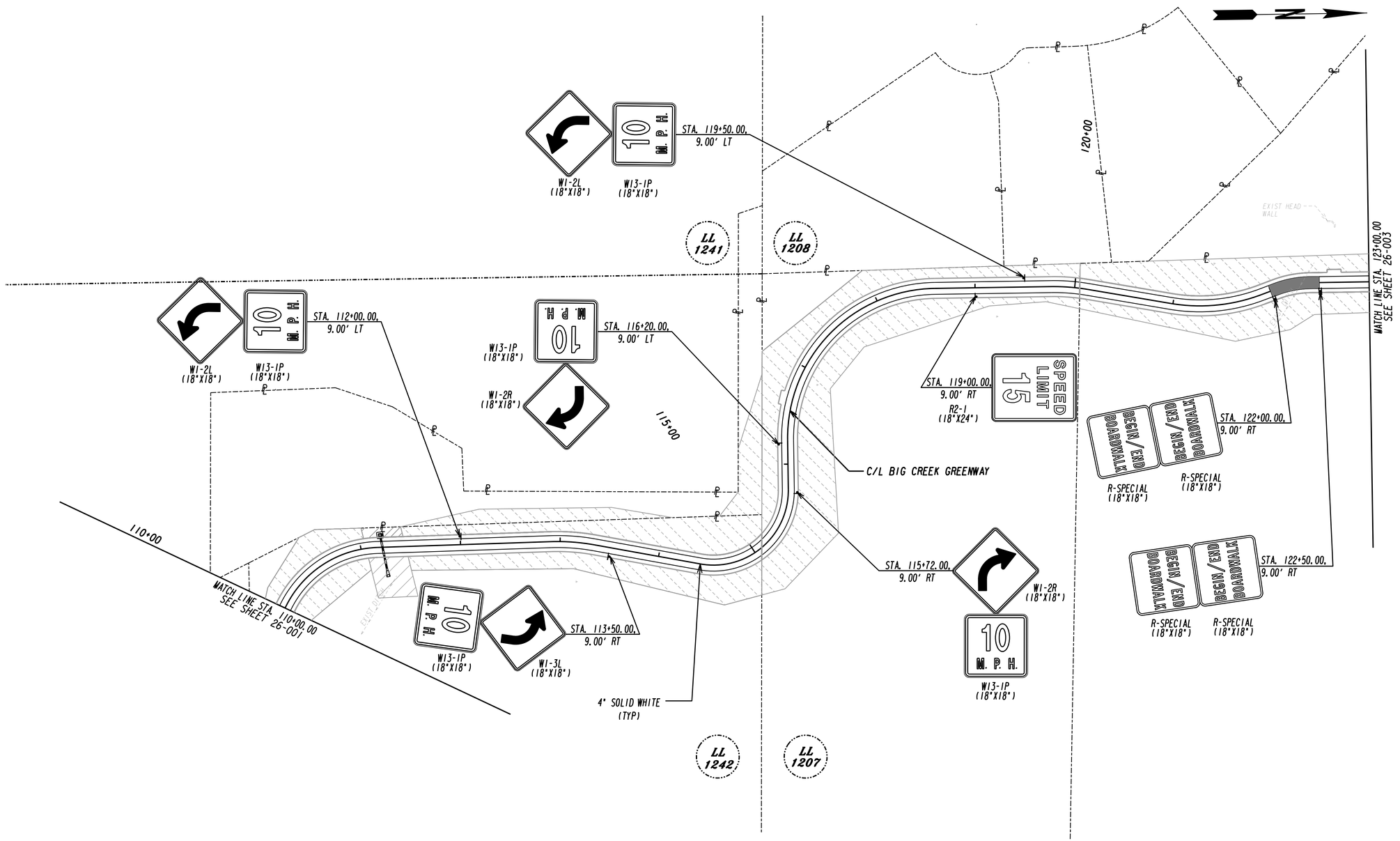
OFFICE:

SIGNING AND MARKING PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 26-001

02/12/2015 GPLN



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 & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

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SCALE IN FEET
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

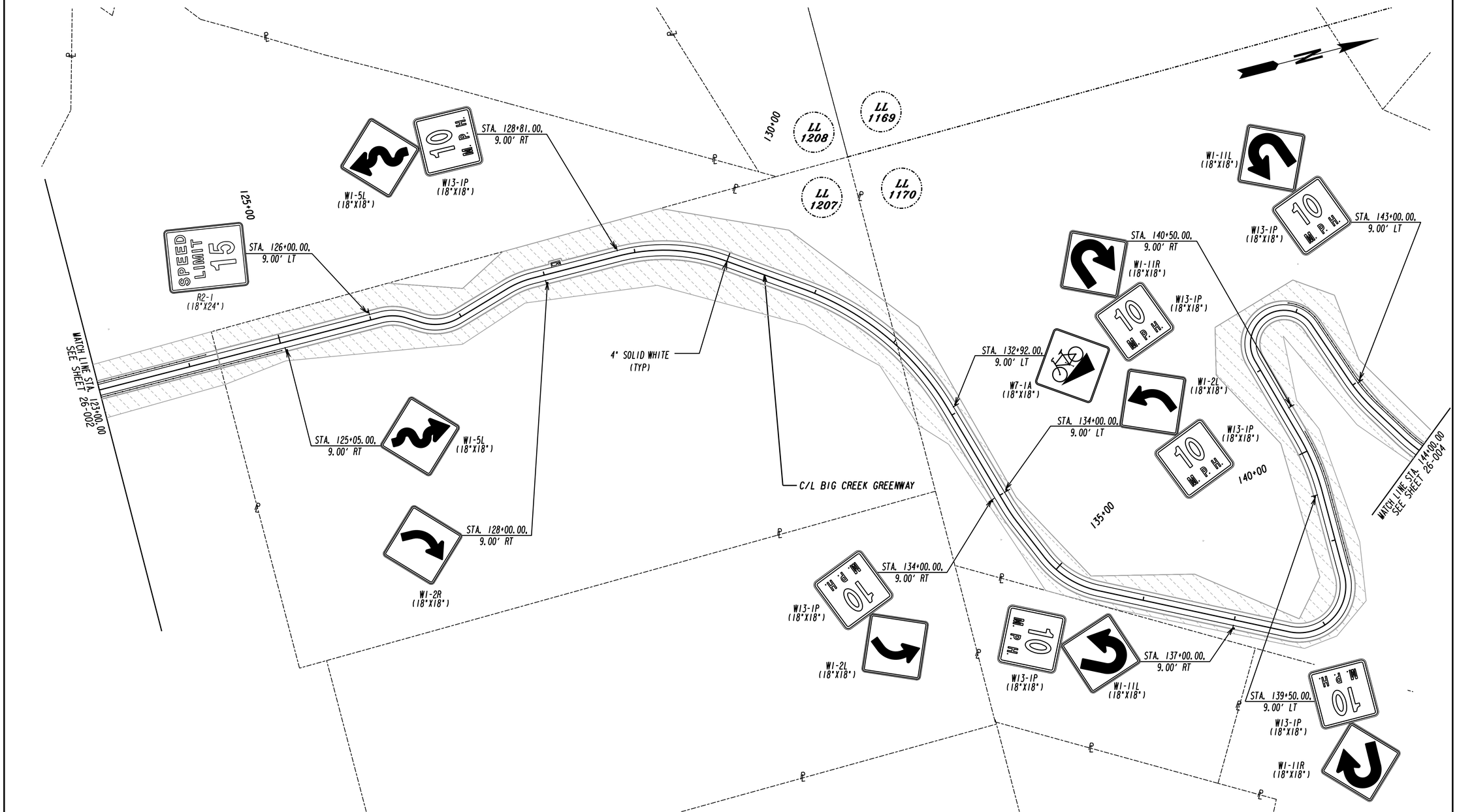
SIGNING AND MARKING PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
26-002

02/12/2015 GPLN

2/9/2018 2:20:34 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_26-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	96	156



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 & MAINTENANCE DRAINAGE		
EASEMENT FOR CONSTR OF DRIVES		

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SCALE IN FEET
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REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

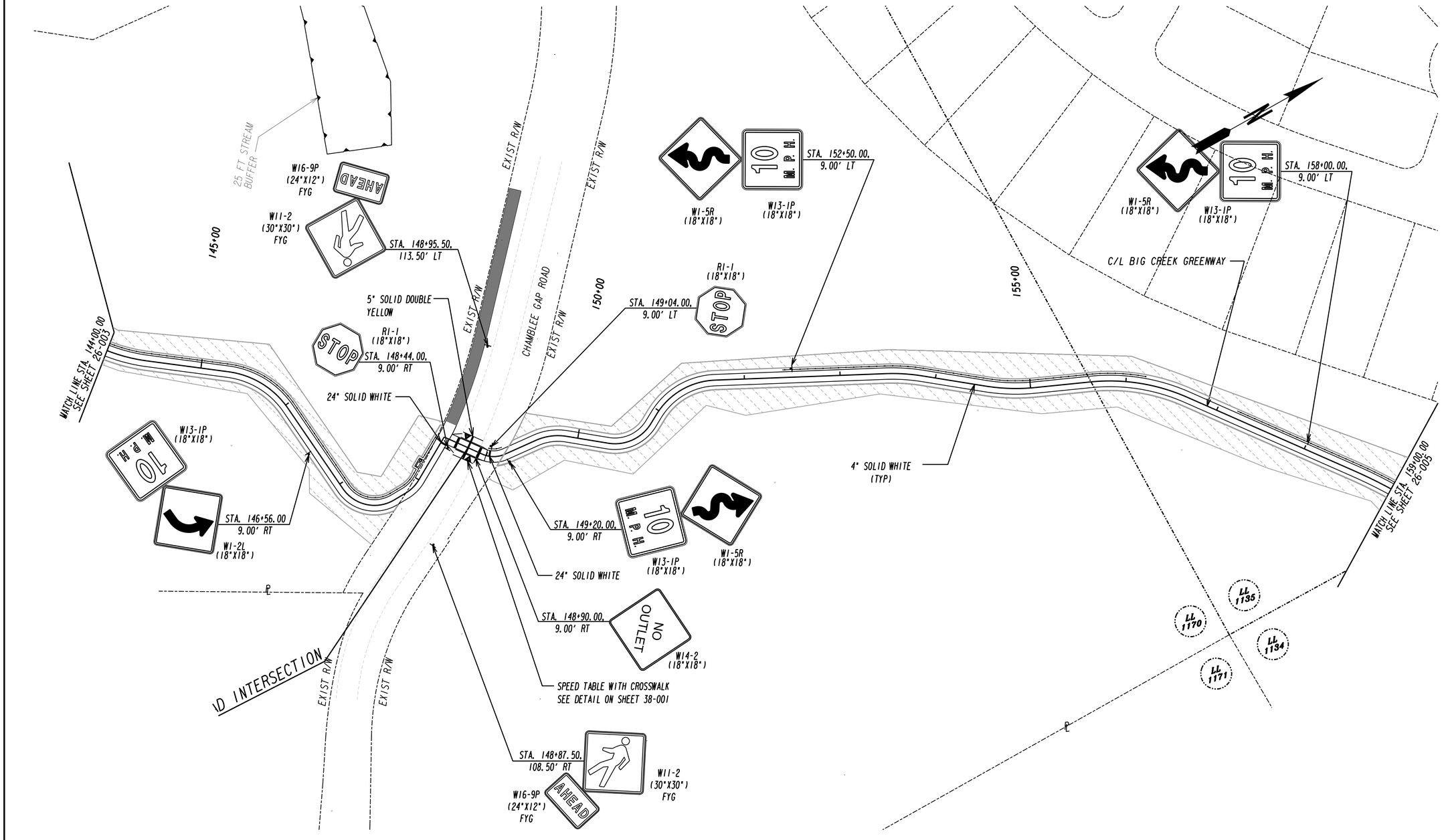
SIGNING AND MARKING PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
26-003

02/12/2015 GPLN

2/9/2018 2:20:53 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_26-004.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	97	156



PROPERTY AND EXISTING R/W LINE	------℄------
REQUIRED R/W LINE	———
CONSTRUCTION LIMITS	– –C– – F– –
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	——ooo——ooo——
REQ'D R/W & LIMIT OF ACCESS	——|||——|||——

02/12/2015 GPLN

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SCALE IN FEET
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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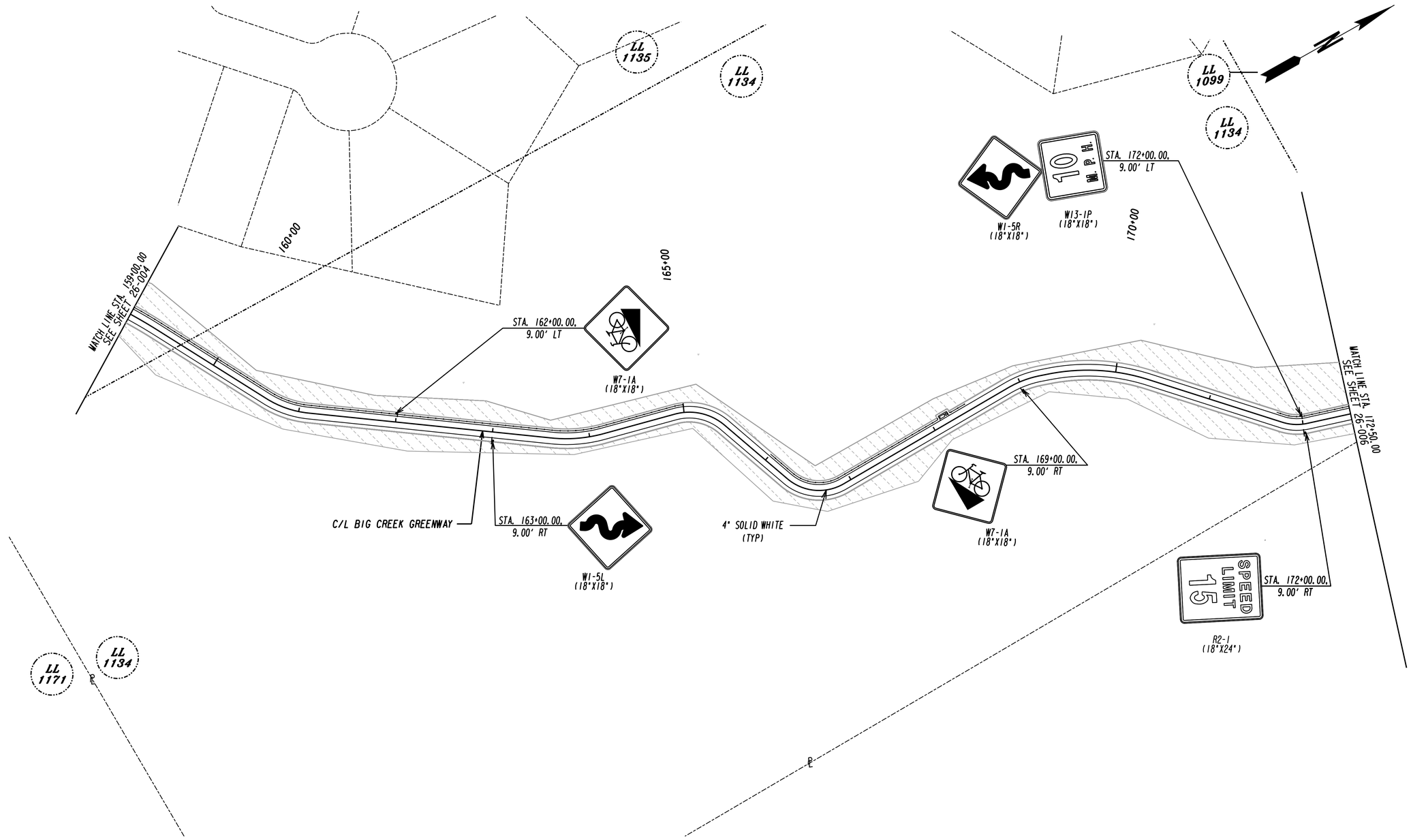
SIGNING AND MARKING PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
26-004

2/9/2018 2:21:13 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_26-005.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	98	156



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

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SCALE IN FEET
0 50 100 200

REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

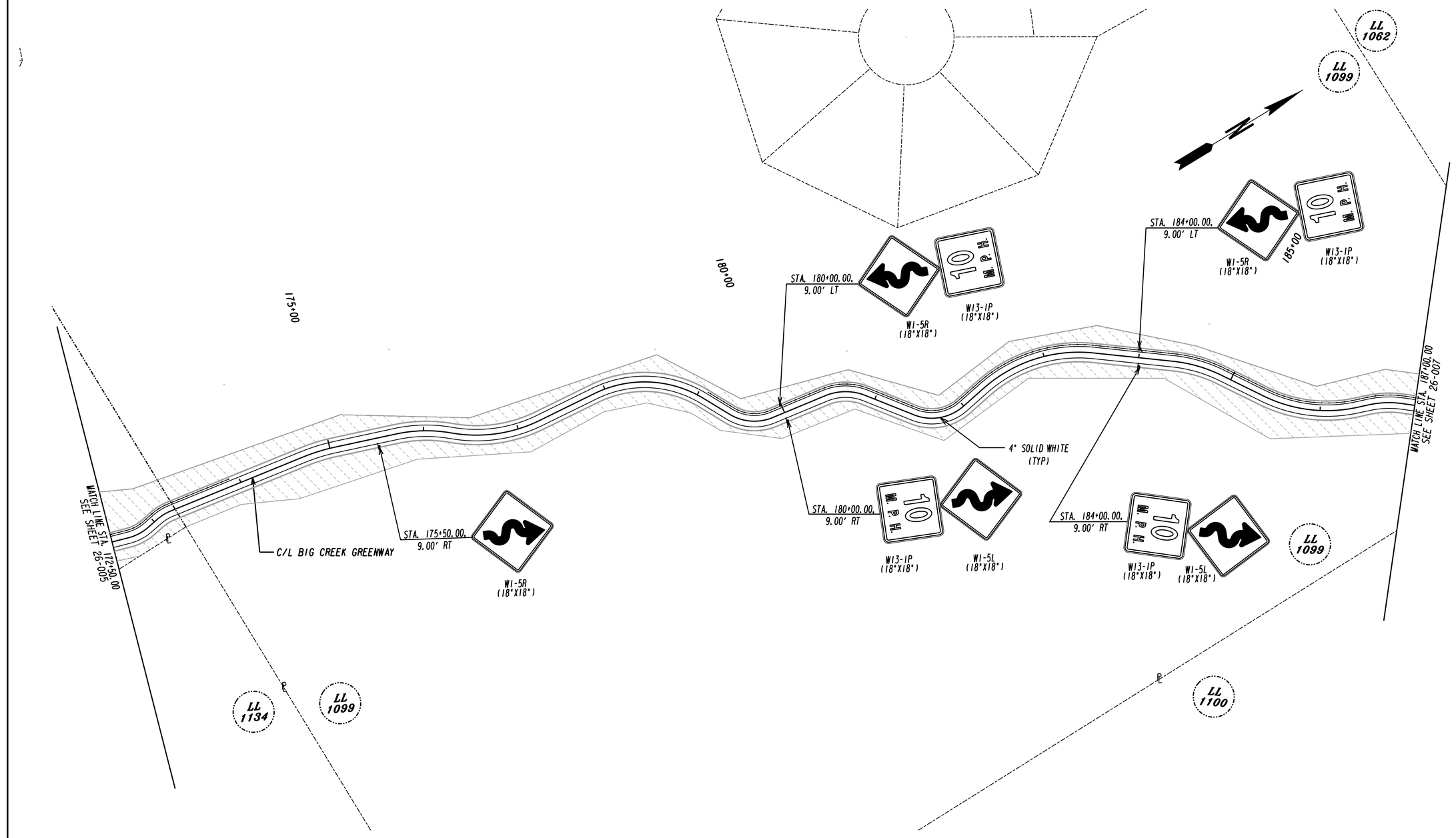
SIGNING AND MARKING PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 26-005

02/12/2015 GPLN

2/9/2018 2:21:32 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_26-006.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	99	156



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

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SCALE IN FEET
0 50 100 200

REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

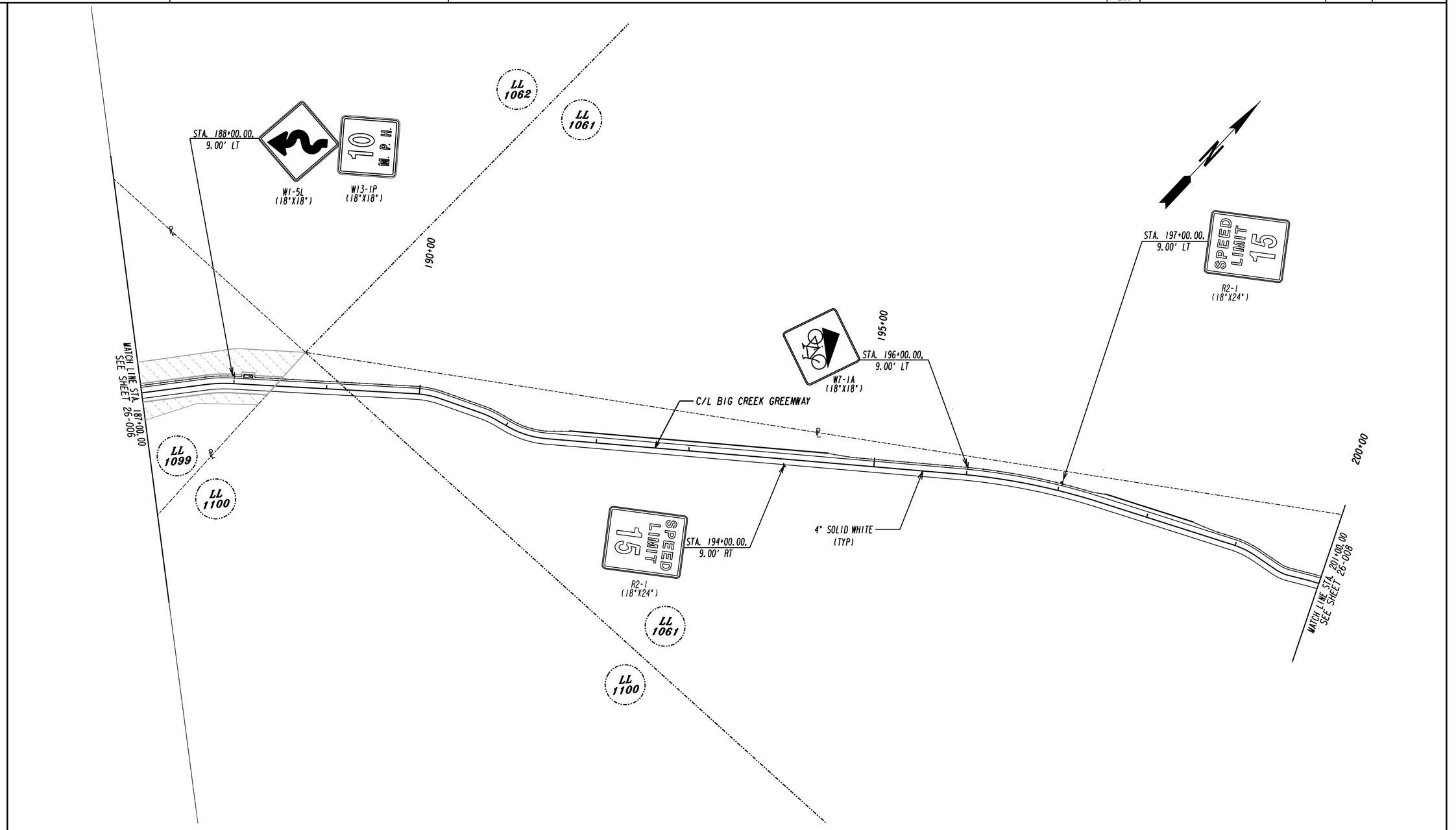
SIGNING AND MARKING PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
26-006

02/12/2015 GPLN

2/9/2018 2:21:51 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_26-007.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	100	156



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 & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

02/12/2015 GPLN

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

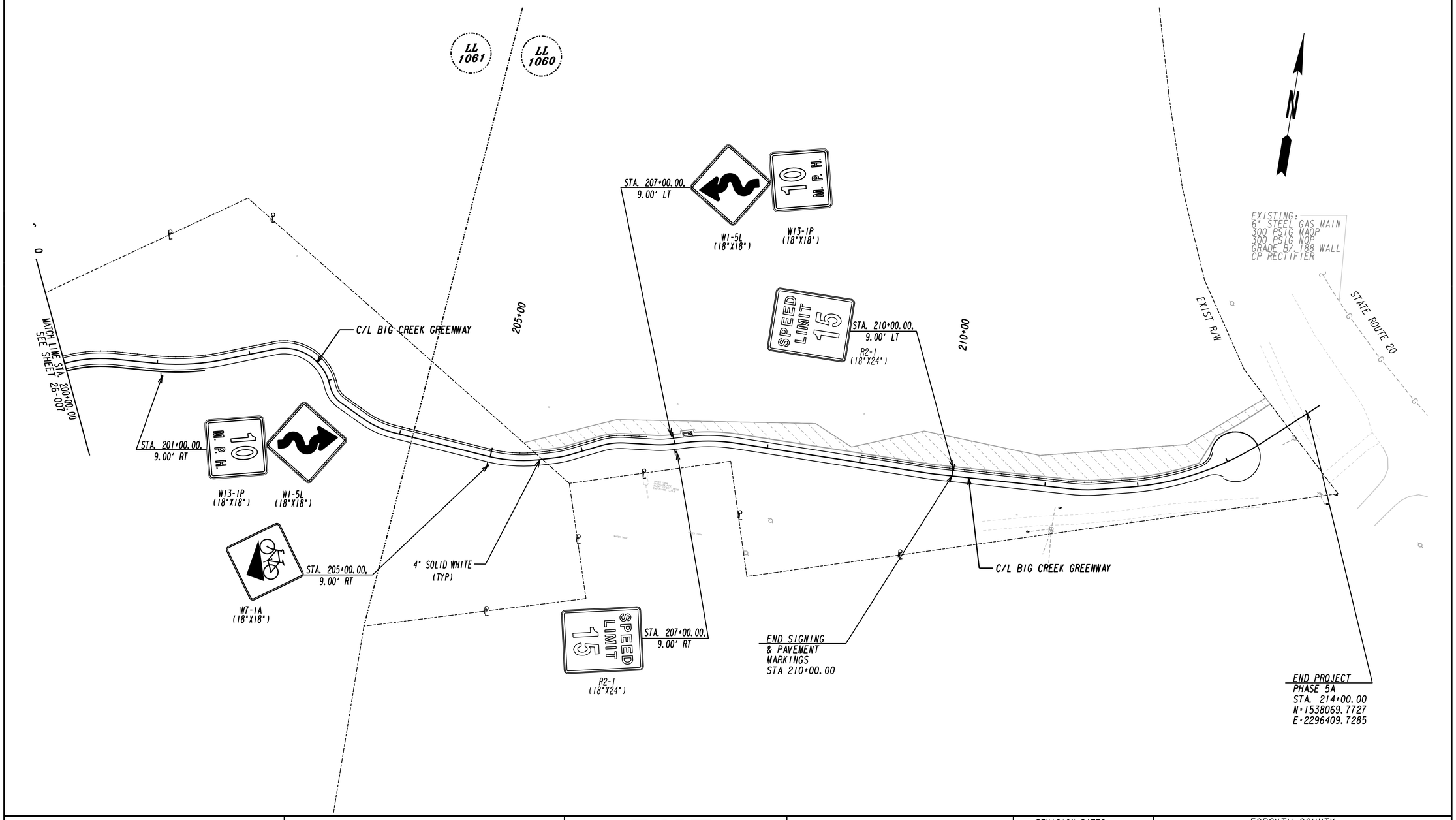
OFFICE:

SIGNING AND MARKING PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 26-007

2/9/2018 2:22:10 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_26-008.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	101	156



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	—ooo—ooo—
REQ'D R/W & LIMIT OF ACCESS	—|||—|||—

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SCALE IN FEET
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REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SIGNING AND MARKING PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
26-008

02/12/2015 GPLN

EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 5 SECTION HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX,TP 1
- PULLBOX,TP 2
- PULLBOX,TP 4
- PULLBOX,TP 5
- 6x6 CALL LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPOSED SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 3 SECTION HEAD W/ BACKPLATE
- 4 SECTION HEAD
- 4 SECTION HEAD W/ BACKPLATE
- 5 SECTION HEAD
- 5 SECTION HEAD W/ BACKPLATE
- OVERHEAD STREET NAME SIGN
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX,TP 2
- PULLBOX,TP 3
- PULLBOX,TP 4
- PULLBOX,TP 5
- PULLBOX,TP 7
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT (BORED)
- CONDUIT (TRENCHED)
- RAILROAD CONTROLLER
- SIGN POST
- ELECTRICAL SERVICE POINT
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE
- VIRTUAL DETECTION ZONE (RADAR,VIDEO,ETC.)

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	
EASEMENT FOR CONSTR OF DRIVES	

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SIGNAL PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
27-001

TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION, INCLUDING SUBSEQUENT PUBLISHED . RULINGS
2. ALL MATERIALS AND WORK SHALL BE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS FOR TRAFFIC SIGNAL INSTALLATION (WITH EXCEPTIONS AS DIRECTED BY THESE PLANS OR FORSYTH COUNTY DEPARTMENT OF ENGINEERING). INSTALLATION SHALL MEET CURRENT NFPA NATIONAL ELECTRICAL CODE AND ANSI NATIONAL ELECTRICAL SAFETY CODE.
3. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO FORSYTH COUNTY DEPARTMENT OF ENGINEERING, ATTN: TRAFFIC SIGNAL ENGINEER.
4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN THE VICINITY OF NEW PEDESTAL POLES BEFORE INSTALLATION. MINOR SHIFTS (UP TO A MAXIMUM OF 5 FEET) IN LOCATION OF NEW PEDESTAL POLES, AT THE DISCRETION OF THE ENGINEER, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED.
5. WHEN APPLICABLE TO THE PLANS, THE CONTRACTOR MUST INSTALL AND TEST ALL NEW SIGNAL ITEMS PRIOR TO REMOVING EXISTING SIGNALS FROM SERVICE.
6. ONLY THE MODELS OF VEHICLE SIGNAL MODULES, PEDESTRIAN SIGNAL MODULES, AND PUSHBUTTONS THAT HAVE BEEN TESTED AND PRE-APPROVED BY FORSYTH COUNTY DEPARTMENT OF ENGINEERING SHALL BE USED. CONTACT FORSYTH COUNTY DEPARTMENT OF ENGINEERING FOR A LIST OF APPROVED ITEMS OR TO SUBMIT ITEMS FOR TESTING AND APPROVAL, CONTACT FORSYTH COUNTY DEPARTMENT OF ENGINEERING AT (678) 776-2967.
7. ALL PEDESTAL POLES REQUIRED FOR RECTANGULAR RAPID FLASHING BEACON INSTALLATIONS SHALL BE LOCATED DIRECTLY BEHIND RAMPS, ON THE SIDE NEAREST DIRECTION OF TRAFFIC, AS SHOWN IN PLANS.

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

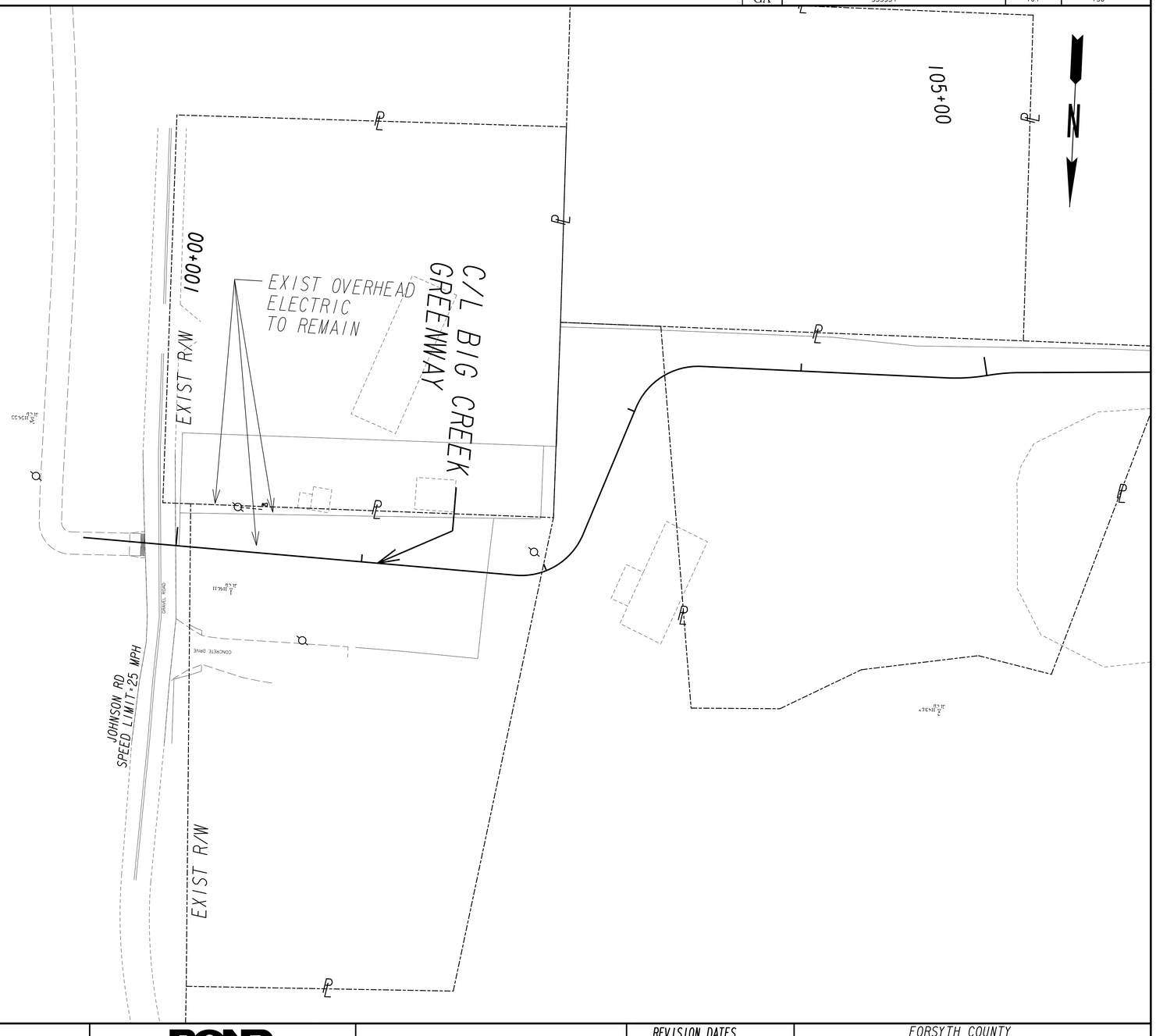
OFFICE:

SIGNAL PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
27-002

2/9/2018 2:23:10 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_27-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	104	156



SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

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SCALE IN FEET
0 30 60 120

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SIGNAL PLANS
RRFB INSTALLATION NO. 1
EXISTING CONDITIONS
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
27-003

02/12/2015 GPLN

2/9/2018	2:23:34 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_27-004.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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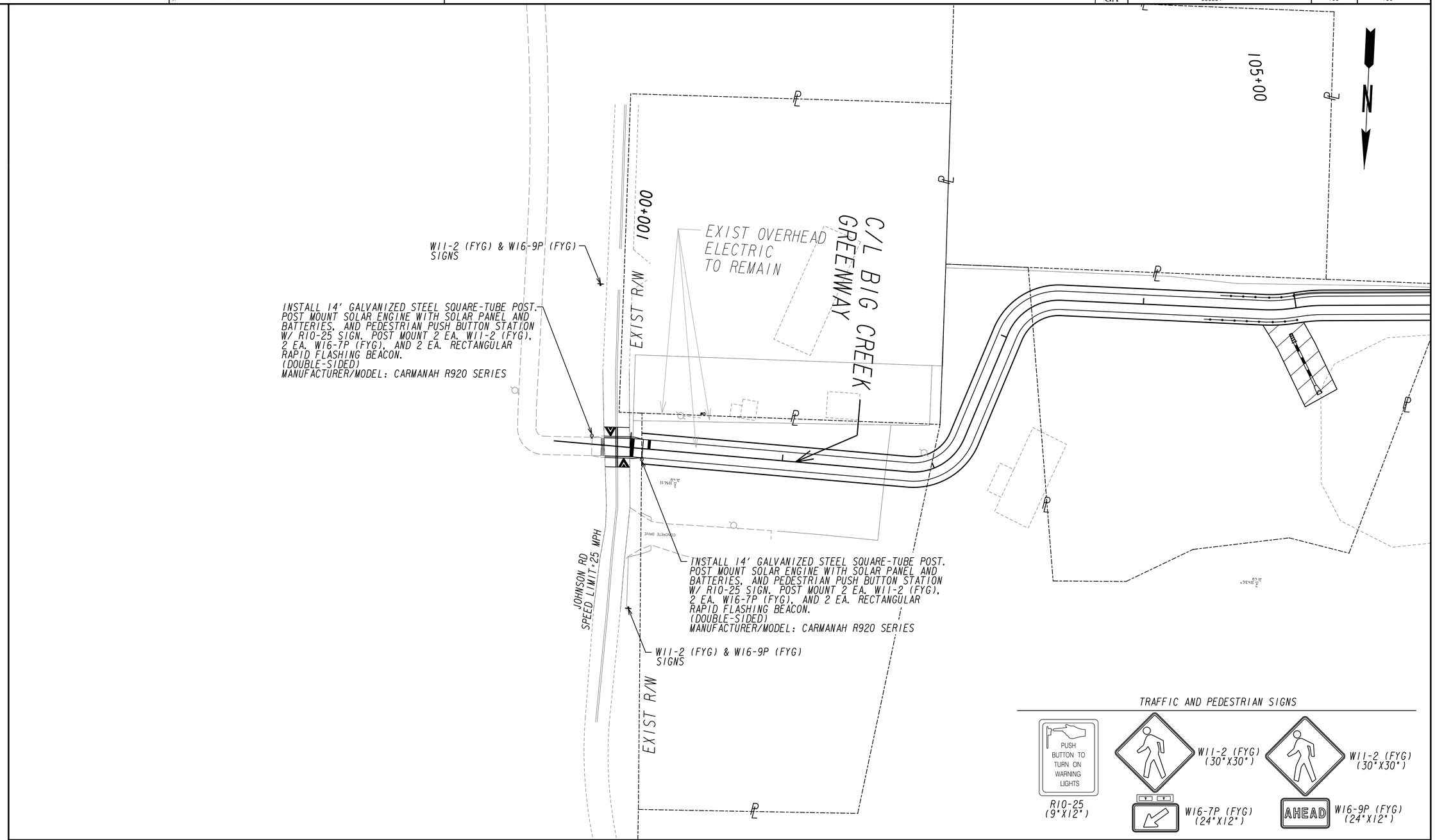

TRAFFIC AND PEDESTRIAN SIGNS

PUSH BUTTON TO TURN ON WARNING LIGHTS
R10-25 (9"X12")

W11-2 (FYG) (30"X30")

W16-7P (FYG) (24"X12")

W11-2 (FYG) (30"X30")

AHEAD
W16-9P (FYG) (24"X12")

SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

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SCALE IN FEET
0 30 60 120

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SIGNAL PLANS

RRFB INSTALLATION NO. 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
27-004

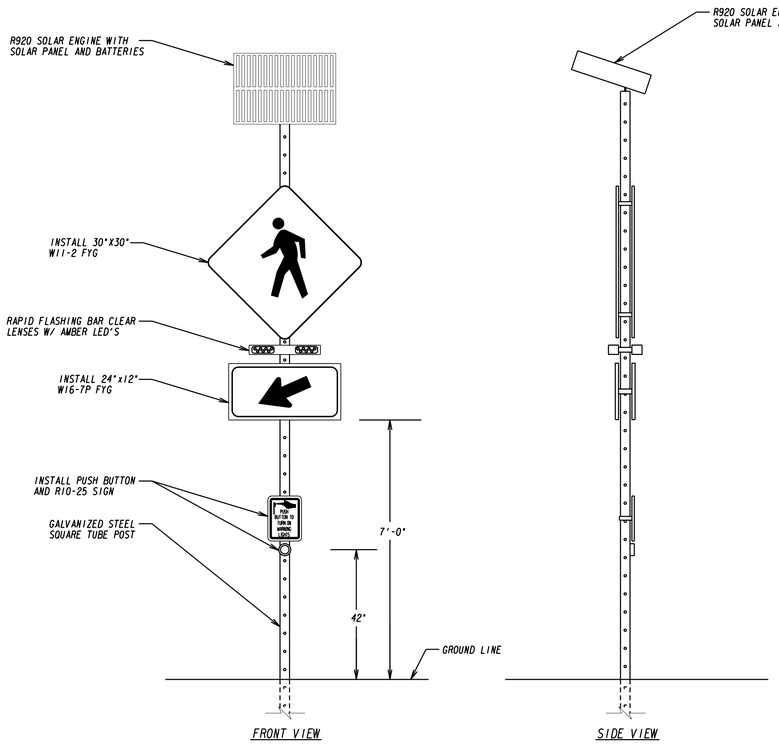
02/12/2015 GPLN

LIST OF MATERIALS - RECTANGULAR RAPID FLASHING BEACON NO. 1

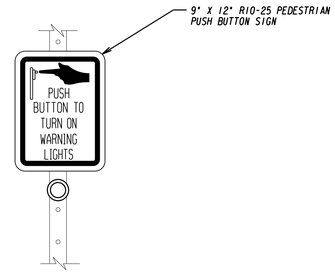
LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
14' GALVANIZED STEEL POST	EA	2
PEDESTRIAN PUSH BUTTON STATION, W/ BUTTON AND SIGN		
1. 9"X12" R10-25	EA	2
PEDESTRIAN PUSH BUTTON STATION ADAPTER (ONLY)	EA	2
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED R920 SOLAR ENGINE WITH SOLAR PANEL AND BATTERIES	EA	2
MISC MATL TO COMPLETE INSTALLATION	LUMP SUM	1

MANUFACTURER: CARMANAH TECHNOLOGIES CORP.
MODEL: R920 SERIES RECTANGULAR RAPID FLASHING BEACON



DOUBLE-SIDED RECTANGULAR RAPID FLASHING BEACON SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION



PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	33
999-3800G	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 1	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SIGNAL PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING NO.
27-005

2/9/2018 2:23:57 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_27-006.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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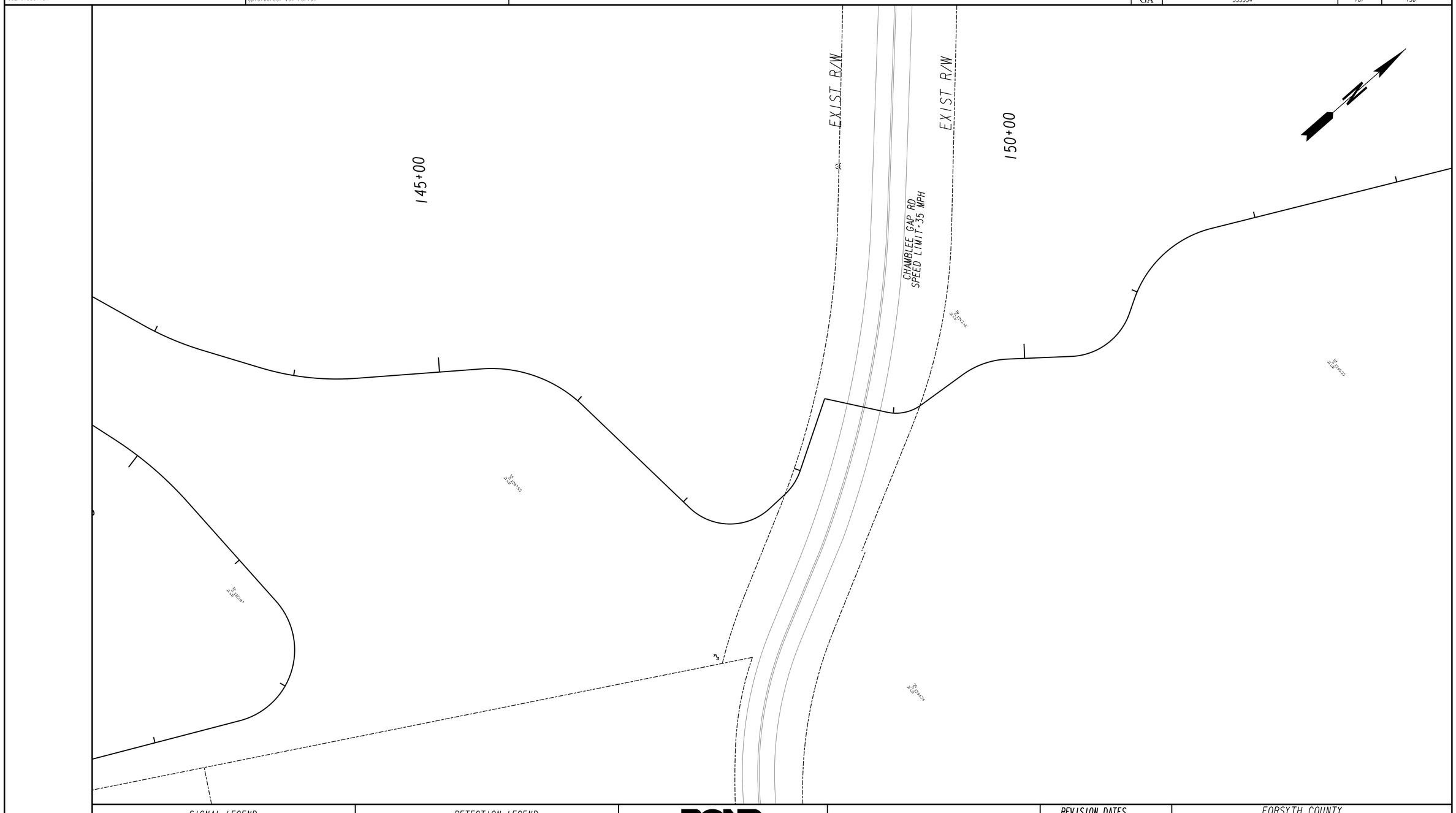

SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

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SCALE IN FEET

0 30 60 120

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SIGNAL PLANS

RRFB INSTALLATION NO. 2
EXISTING CONDITIONS
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
27-006

02/12/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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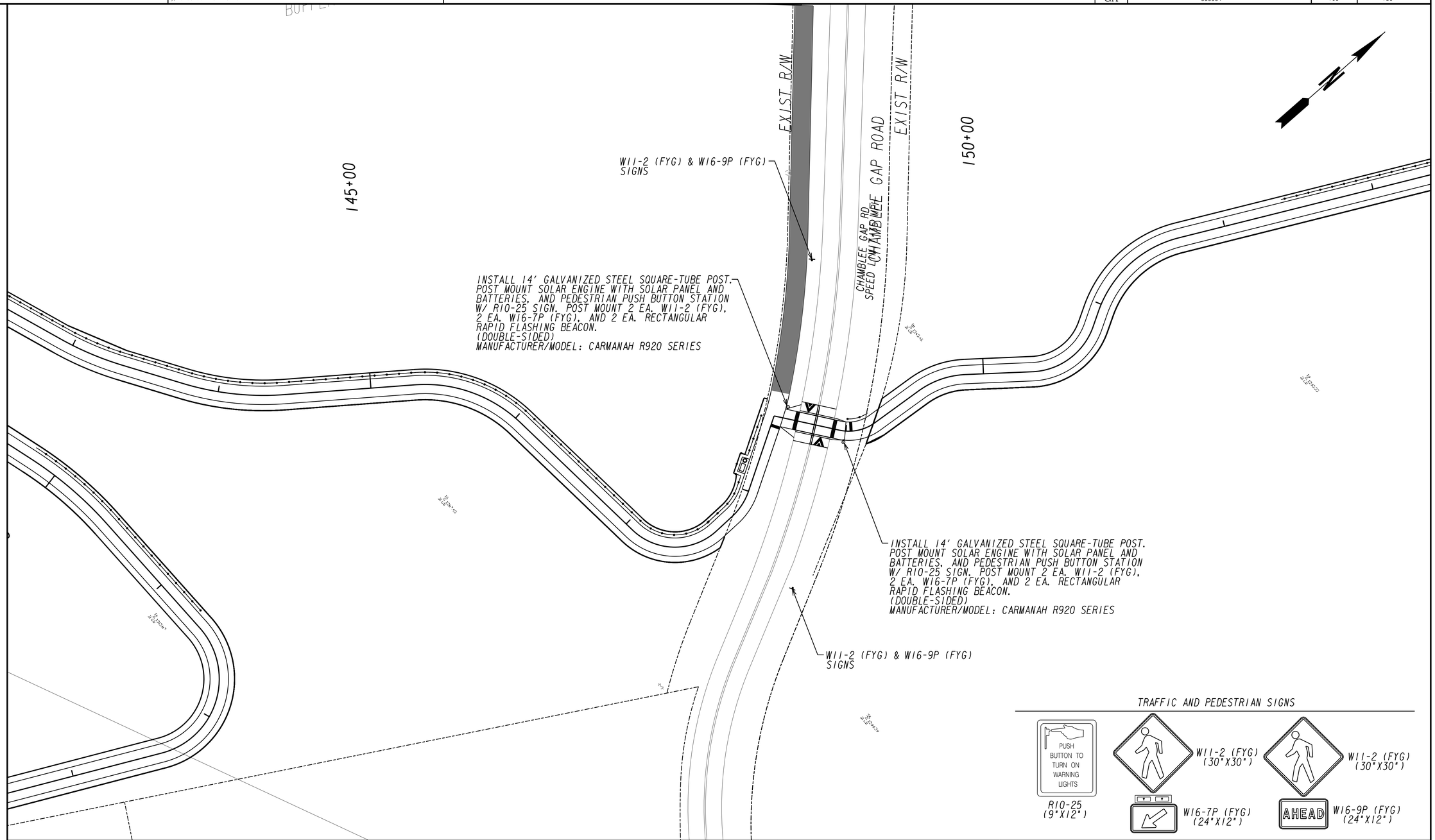

TRAFFIC AND PEDESTRIAN SIGNS

SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

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SCALE IN FEET
0 30 60 120

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SIGNAL PLANS

RRFB INSTALLATION NO. 2

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
27-007

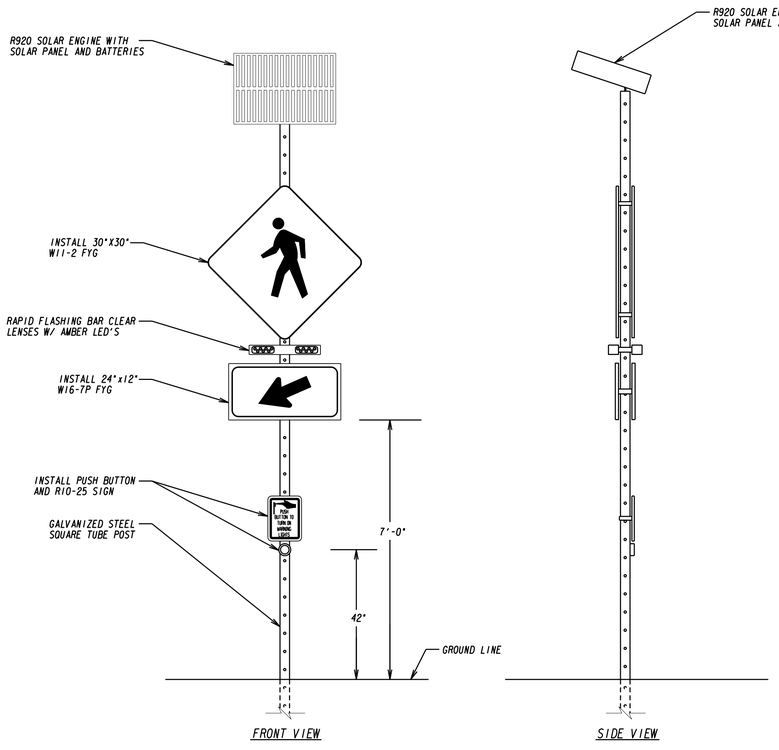
02/12/2015 GPLN

LIST OF MATERIALS - RECTANGULAR RAPID FLASHING BEACON NO. 2

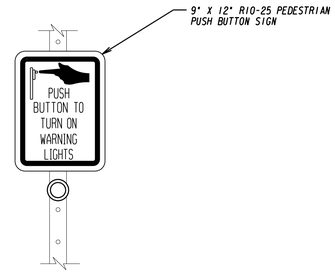
LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
14' GALVANIZED STEEL POST	EA	2
PEDESTRIAN PUSH BUTTON STATION, W/ BUTTON AND SIGN		
1. 9"X12" R10-25	EA	2
PEDESTRIAN PUSH BUTTON STATION ADAPTER (ONLY)	EA	2
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED R920 SOLAR ENGINE WITH SOLAR PANEL AND BATTERIES	EA	2
MISC MATL TO COMPLETE INSTALLATION	LUMP SUM	1

MANUFACTURER: CARMANAH TECHNOLOGIES CORP.
MODEL: R920 SERIES RECTANGULAR RAPID FLASHING BEACON



DOUBLE-SIDED RECTANGULAR RAPID FLASHING BEACON SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION



PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	33
999-3800G	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 2	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SIGNAL PLANS

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING NO.
27-008

2/9/2018	2:24:53 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_31-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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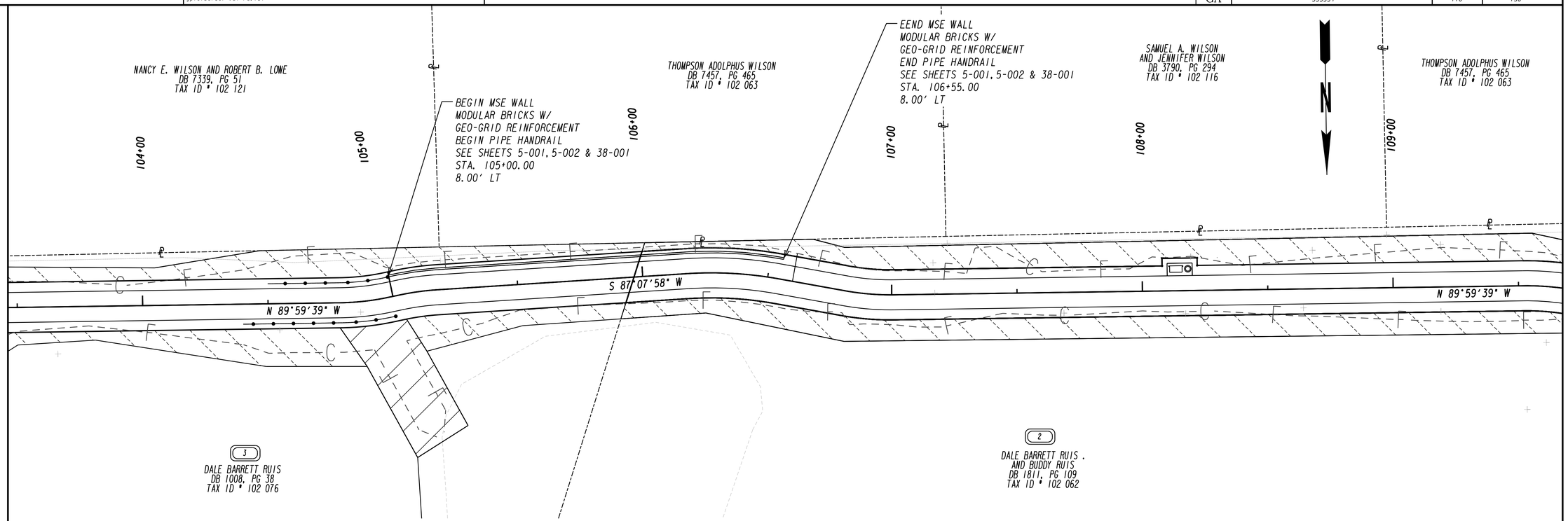

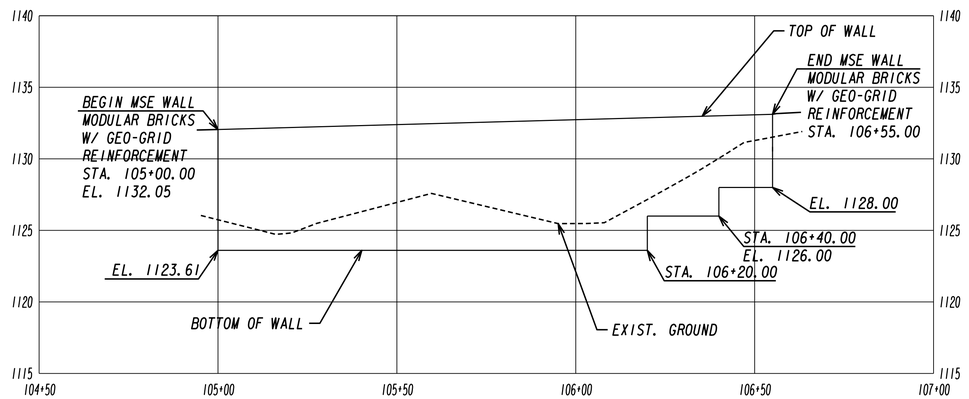

PROPERTY AND EXISTING R/W LINE	----------P----------
REQUIRED R/W LINE	————
CONSTRUCTION LIMITS	——C——F——
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

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

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SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

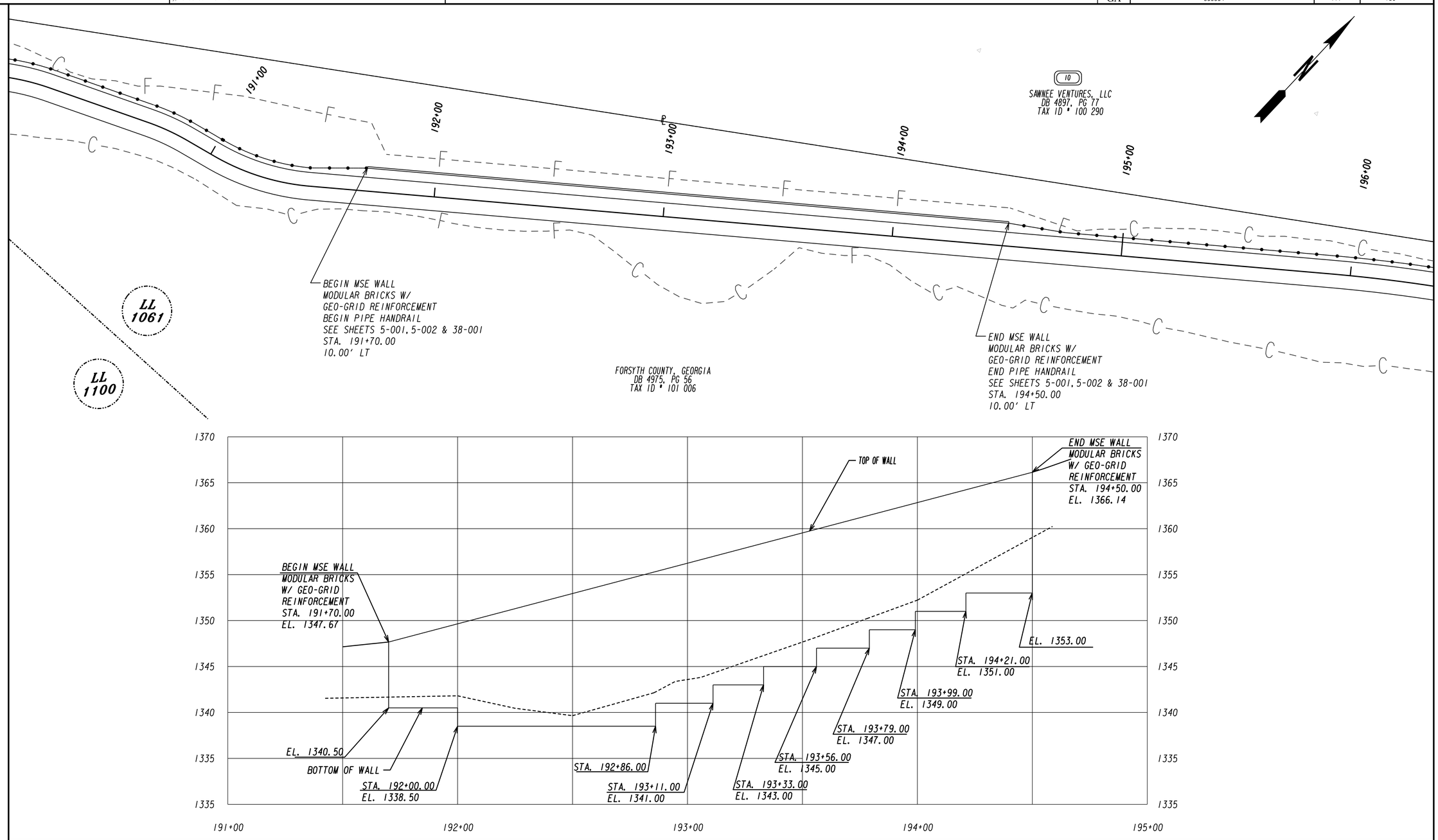
RETAINING WALL ENVELOPES

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
31-001

02/12/2015 GPLN

2/9/2018 2:25:15 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_31-002.dgn	STATE GA	PROJECT NUMBER 555554	SHEET NO. 111	TOTAL SHEETS 156



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

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SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

RETAINING WALL ENVELOPES

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
31-002

02/12/2015 GPLN

2/9/2018	2:25:36 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_31-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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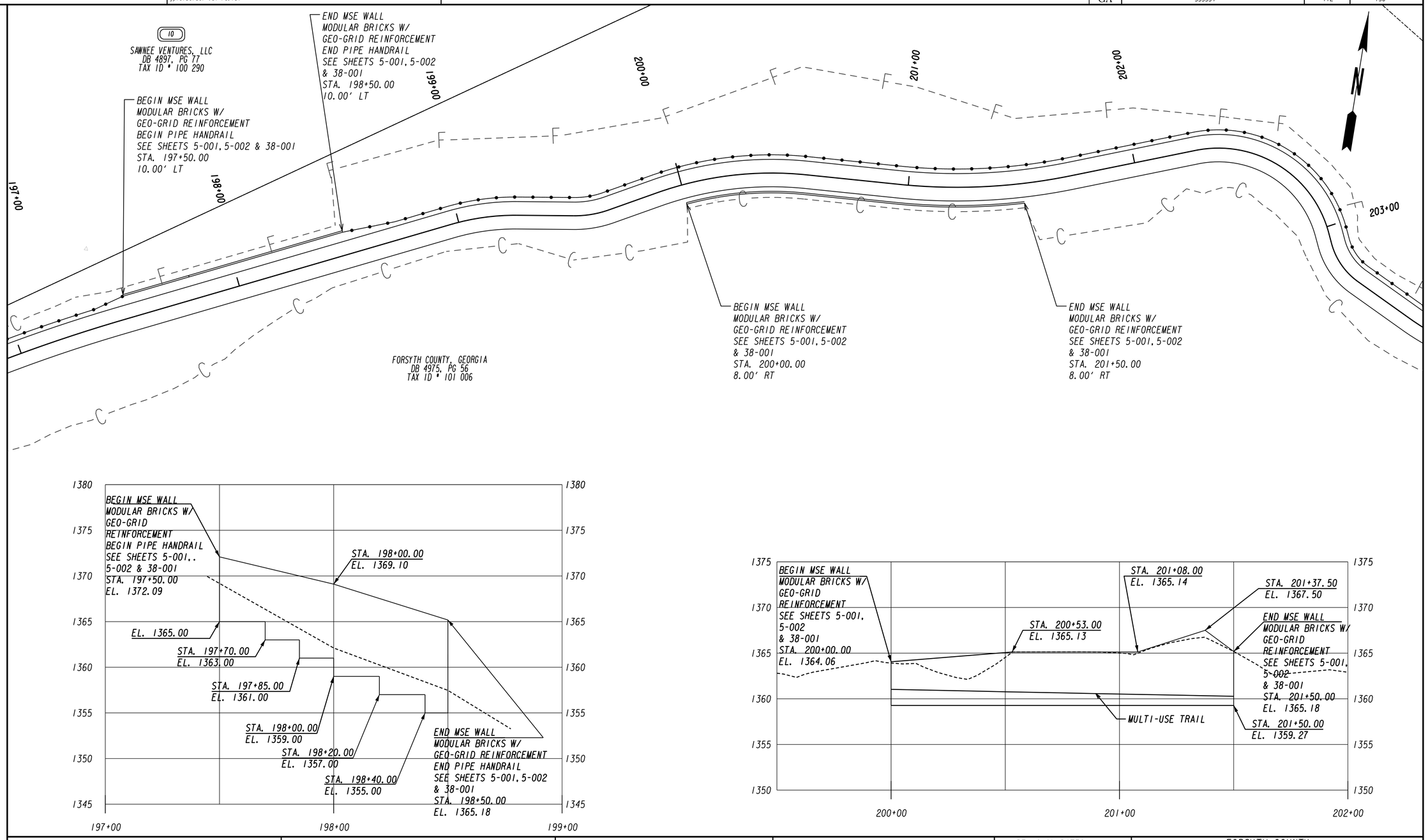

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE DRAINAGE	
EASEMENT FOR CONSTR OF DRIVES	

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SCALE IN FEET
0 20 40 80

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

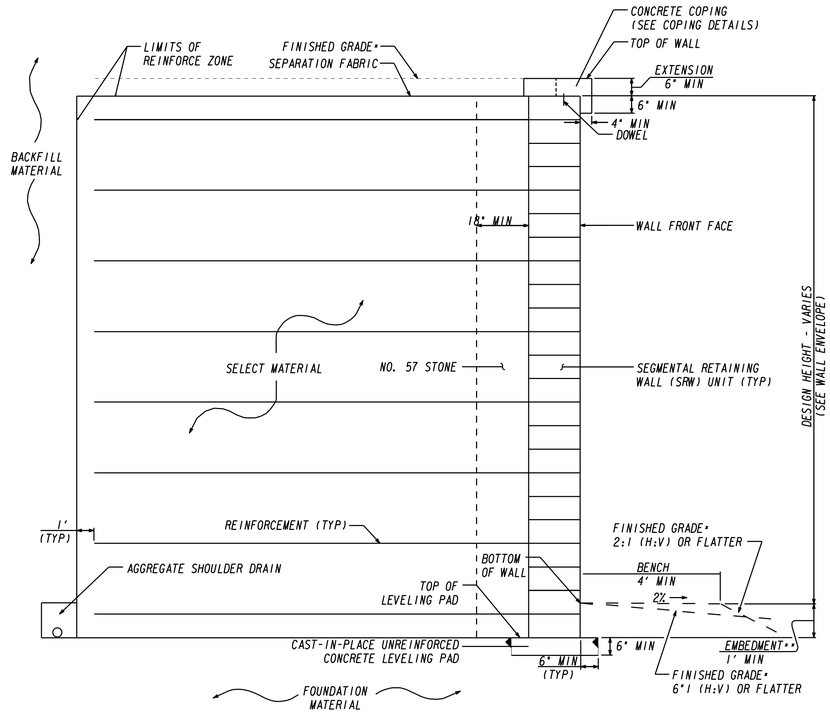
OFFICE:

RETAINING WALL ENVELOPES

BIG CREEK GREENWAY
PHASE 5A EXTENSION

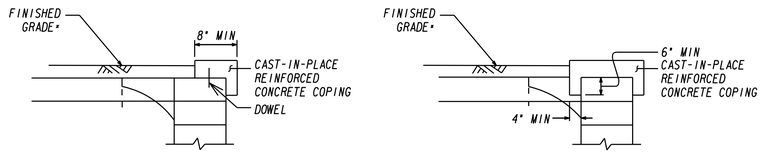
DRAWING No.
31-003

02/12/2015 GPLN



MSE WALL WITH SRW UNITS TYPICAL SECTION

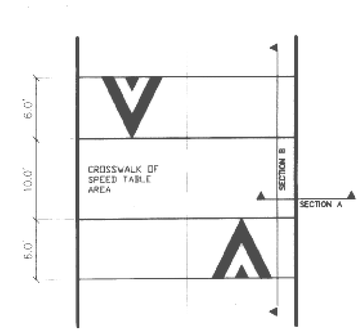
*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.
**SEE MSE RETAINING WALLS PROVISION FOR EMBEDMENT REQUIREMENTS.



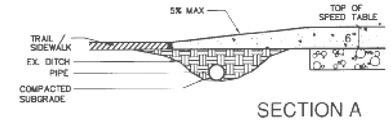
COPING DETAILS

AT THE CONTRACTOR'S OPINION, CONNNECT COPING TO SRW UNITS WITH DOWELS OR EXTEND COPING DOWN BACK OF SRW UNITS.
*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS

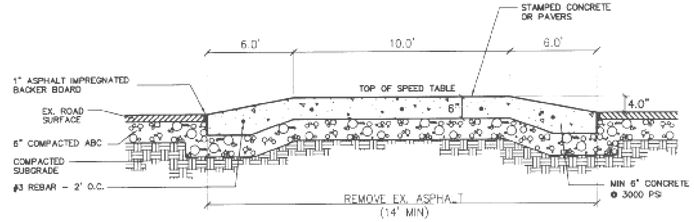
MSE WALL DRAWINGS ARE PROVIDED FOR INFORMATION ONLY. CONTRACTOR SHALL DESIGN AND BUILD WALLS THAT MEET GDOT STANDARD SPECIFICATION 627 AND REMAIN ENTIRELY WITHIN THE 20'-0" REQUIRED RIGHT OF WAY.



PLAN VIEW



SECTION A



SECTION B

SPEED TABLE CROSS SECTIONS

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

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REVISION DATES		

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

SPECIAL CONSTRUCTION DETAIL

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
38-001

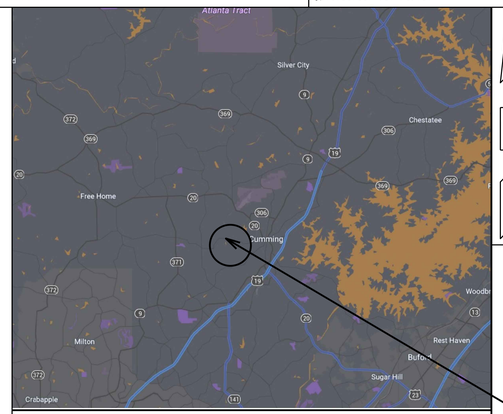
02/12/2015 GPLN

2/9/2018 USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_50-001.dgn GRWCOV	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	114	156

FORSYTH COUNTY
BOARD OF COMMISSIONERS

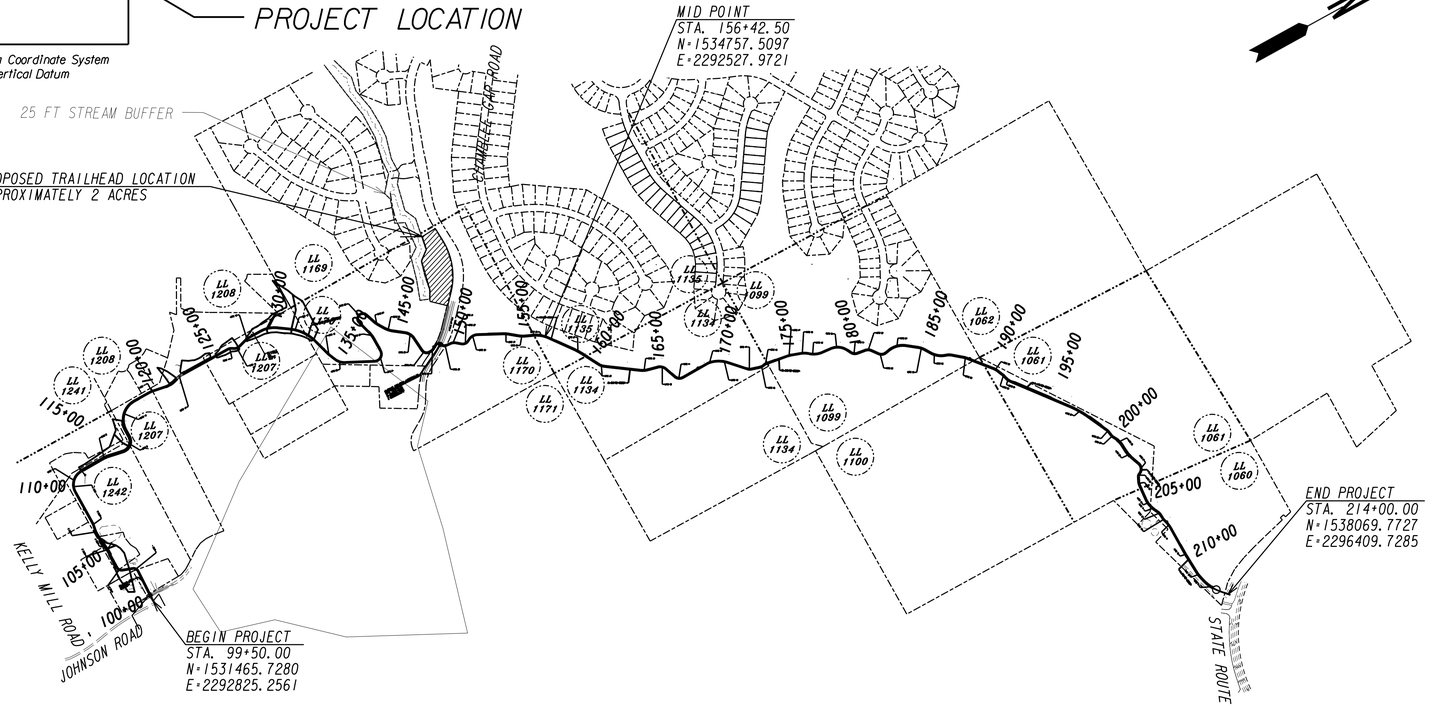
EROSION, SEDIMENT, & POLLUTION CONTROL PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION



LOCATION SKETCH

PROJECT LOCATION



This project has been prepared using the Horizontal Georgia Coordinate System of 1984 (NAD1983)/94 West Zone, and the North American Vertical Datum (NAVD) of 1988.

MID-POINT COORDINATES
Longitude: -84°10'48.30"
Latitude: 34°13'08.44"

SCALE IN FEET
0 500 1000 2000

"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GAR100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

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PRIMARY PERMITTEE

FORSYTH COUNTY BOARD OF COMMISSIONERS
110 EAST MAIN STREET, SUITE 210
CUMMING, GA 30040
770-781-2101

24 HOUR CONTACT:

Name

Phone Number

Contractor shall complete the information in this box.

LENGTH OF PROJECT	COUNTY No. 135 Project No. 1160354
	MILES
NET LENGTH OF CONCRETE TRAIL	2.156
NET LENGTH OF BOARDWALK TRAIL	0.009
NET LENGTH OF PROJECT	2.165
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	2.165

- -20		0000035386
Date:	BRYON LETOURNEAU, P.E.	GSWCC LEVEL II Certification Number

PLANS COMPLETED - -

REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#
- -				
- -				
- -				
- -				
- -				
- -				
- -				

DRAWING No. 50-001

ERICCW
5/20/2011

ESPCP GENERAL NOTES

The escape of sediment from the site shall be prevented by the installation of erosion and sedimentation control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times during this project. If full implementation of this approved plan does not provide effective erosion and sedimentation control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

The Erosion, Sedimentation, Pollution Control Plan (ESPCP) is provided by the Department. It addresses the the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance with Special Provision 161 of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. A major modification or deletion of structural BMP's with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added per Special Provision 161 - Control of Soil Erosion and Sedimentation.

TEMPORARY MULCHING

EPD General Permit GAR 100002 states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation as soon as practicable with a suitable material listed in Standard Specification (or Special Provision) Sections 163, 700, or 711. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, timing and mulching for this project can be found in section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for the project shall be submitted after the project is awarded with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

All perimeter structual practices, e.g., silt fence, shall be installed prior to clearing and grubbing.

Prior to any land disturbance activities the initial erosion and sediment control measures shall be put in place. After installation the control measures shall be inspected and maintained as required in these plans, listed in the specifications or Manual for Erosion and Sediment Control in Georgia. Additional structural and vegetative control measures shall be added as required within these plans, by the Engineer, or contractor as construction progresses. As permanent stabilization is established any temporary control measures that are no longer needed shall be removed. All temporary measures shall be removed upon the completion of the project.

CONSTRUCTION ACTIVITY

This project consists of the construction of a 12 foot multi-use trail along Big Creek in Forsyth County. The construction activities will include light grading, soil stabalization and the installation of a 12' concrete trail. Project limits are from approximately Johnson Road to State Route 20.

DESCRIPTION OF PROPOSED CONSTRUCTION ACTIVITY:

-Phase 1 consists of the installation and maintenance of perimeter silt fencing, existing drainage protection / inlet sediment traps, and temporary stabilization, as depicted on the ES&PCP. Construction activities shall include clearing and grubbing, and preliminary grading.

-Phase 2 consists of the installation of the additional erosion control measures required for grading, utility relocation and storm drainage installation. Contractor shall maintain the existing erosion control measures and provide temporary and final stabilization over the disturbed / graded areas.

-Phase 3 consists of the construction of project site improvements such as multi-use trail, drainage systems, utility installation, etc, and shall include the fine grading, final disturbed area stabilization, and the removal of the temporary erosion control measurements.

ESTIMATED ACTIVITY SCHEDULE

	26 WEEK SCHEDULE												
PHASE/INFRASTRUCTURE	2	4	6	8	10	12	14	16	18	20	22	24	26
INSTALL PERIMETER SILT FENCE													
CLEARING AND GRUBBING													
PRELIMINARY GRADING													
INSTALL EROSION CONTROL MEASURES													
MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES													
RELOCATION OF UTILITY LINES													
INSTALLATION OF DRAINAGE STRUCTURES													
FINE GRADING													
REMOVE TEMPORARY EROSION CONTROL MEASURES													

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up and disposal of any petroleum product, or other hazardous materials, leak or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site:

Map Unit Symbol	Map Unit Name	Rating	Component name (percent)	Rating Reasons (numeric values)
CaD3	Cecil clay loam, severely eroded sloping phase	Severe	Cecil (100%)	Slope/erodibility (0.95)
CaE3	Cecil clay loam, severely eroded moderately steep phase	Severe	Cecil (100%)	Slope/erodibility (0.95)
CcB2	Cecil fine sandy loam, eroded very gently sloping phase	Slight	Cecil (100%)	Slope/erodibility (0.50)
CcC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	Moderate	Cecil (100%)	Slope/erodibility (0.50)
EaE2	Edgemont stony sandy loam, eroded moderately steep phase	Moderate	Edgemont (100%)	Slope/erodibility (0.50)
EaF	Edgemont stony sandy loam, steep phase	Severe	Edgemont (100%)	Slope/erodibility (0.95)
TaB2	Thurmont and Braddock fine sandy loams, eroded very gently sloping phases	Moderate	Thurmont (50%) Braddock (50%)	Slope/erodibility (0.50)
TaD3	Thurmont and Braddock fine sandy loams, severely eroded sloping phases	Moderate	Thurmont (50%) Braddock (50%)	Slope/erodibility (0.50)

POST-CONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent post-construction BMP's are shown in the construction plans and in the ES&PC plan. The post-construction BMP's for this project consist of permanent vegetation, riprap at pipe outlets for velocity dissipation and outlet stabilization and reinforcing mats. The post-construction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be placed in accordance with GDOT Construction Detail D-24C. The maximum J hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the J hook immediately upgradient. J hooks shall be paid for as silt fence items per linear foot. All cost and other incindental items are included in the cost of installing and maintaining the silt fence.

SITE STABLIZATION AND BMP MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 710 and other contract documents for stabilization and maintenance measures.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likilhood of contaminated discharges. The Contractor shall comply with all applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be deposited into Waters of the State, unless authorized by a Section 404 Permit.

INSPECTIONS

Forsyth County is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs and sediment basins in accordance with part IV.A.5 within 7 days after installation.

The primary permittee (Forsyth County) must retain the design professional who prepared the ES&PC, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within seven (7) days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5, of the current GAR100002 Permit, within seven (7) days of installation and all sediment basins within the entire linear infrastructure project within seven (7) days of installation. The inspecting design professional shall report the results to the primary permittee within seven (7) days, and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, Forsyth County's Construction Project Engineer will be responsible for all subsequent seven-day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

NONSTORM WATER DISCHARGES

Non-storm water discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, concrete-form release oils, curing compounds and other construction materials.

DE-WATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

OTHER CONTROLS

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GAR100002.

SEDIMENT STORAGE

The site has a total disturbed area of 9.65 acres. *The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.*

DESCRIPTION	LOCATION STATION RANGE; OFFSET	TOTAL DRAINAGE AREA (acres)	DISTURBED AREA (acres)	REQUIRED SEDIMENT STORAGE VOLUME (yd3)	TOTAL STORAGE VOLUME PROVIDED (yd3)	SILT FENCE (0.30 yd3/ LF) LINEAR FEET	SILT FENCE (0.30 yd3/ LF) TOTAL VOLUME (yd3)	INLET SEDIMENT TRAP (0.45yd3/ each) # of devices	INLET SEDIMENT TRAP (0.45yd3/ each) TOTAL VOLUME (yd3)	DITCH CHECKS (6.67yd3/ each) # of devices	DITCH CHECKS (6.67yd3/ each) TOTAL VOLUME (yd3)
SHEETFLOW BASIN A	99+50.00 TO 133+00.00; RT	56.40	3.15	3778.80	1305.68	3374	1012.20	0	0	44	293.48
SHEETFLOW BASIN B	133+00.00 TO 138+00.00; LT	0.50	0.13	33.50	115.20	384	115.20	0	0	0	0
SHEETFLOW BASIN C	138+00.00 TO 158+00.00; LT	14.20	1.62	951.40	661.50	2205	661.50	0	0	0	0
SHEETFLOW BASIN D	158+00.00 TO 172+00.00; LT	15.62	1.10	1046.54	374.10	1247	374.10	0	0	0	0
SHEETFLOW BASIN E	172+00.00 TO 185+00.00; LT	16.46	0.92	1102.82	342.60	1142	342.60	0	0	0	0
SHEETFLOW BASIN F	185+00.00 TO 213+35.00; LT	18.69	2.73	1252.23	559.80	1866	559.80	0	0	0	0

In order to prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

The BMP measures indicated in the plans provide adequate storage of silt. The Mulching and temporary grassing put down for temporary stabilization and channel stabilization will help control runoff as well as the amount of silt it contains. The total drainage areas reflect the total area draining through the basin, but there will be only a small portion of that drainage area that actually flows through the disturbed areas. Also, there will only be limited disturbed areas at any given time, greatly reducing the required sediment storage volumes shown in the chart.

SEDIMENT BASINS

Sheetflow Basin A: The disturbance activities consist of shoulder grading, installing a 12' multi-use trail and drainage systems. The majority of these areas will not be openly disturbed at the same time. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at these locations. Land disturbance activities associated with constructing and removing a sediment basin at these location would cause additional adverse impacts.

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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 51-001

Sheetflow Basin C: The disturbance activities consist of shoulder grading, installing a 12' multi-use trail and drainage systems. The majority of these areas will not be openly disturbed at the same time. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at these locations. Land disturbance activities associated with constructing and removing a sediment basin at these location would cause additional adverse impacts.

Sheetflow Basin D: The disturbance activities consist of shoulder grading, installing a 12' multi-use trail and drainage systems. The majority of these areas will not be openly disturbed at the same time. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at these locations. Land disturbance activities associated with constructing and removing a sediment basin at these location would cause additional adverse impacts.

Sheetflow Basin E: The disturbance activities consist of shoulder grading, installing a 12' multi-use trail and drainage systems. The majority of these areas will not be openly disturbed at the same time. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at these locations. Land disturbance activities associated with constructing and removing a sediment basin at these location would cause additional adverse impacts.

Sheetflow Basin F: The disturbance activities consist of shoulder grading, installing a 12' multi-use trail and drainage systems. The majority of these areas will not be openly disturbed at the same time. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at these locations. Land disturbance activities associated with constructing and removing a sediment basin at these location would cause additional adverse impacts.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

STREAM AND OPEN-WATER BUFFER ENCROACHMENTS

Stream Buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.
"The contractor is not authorized to enter into stream buffers."

Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers, as measured from the point of wrested vegetation without first acquiring the necessary variances and permits.

SAMPLING GENERAL NOTES:

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The total site area is 12.44 acres.									Representative Sampling Scheme				
SAMPLING INFORMATION									OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Sta. and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving Water)	Drainage Area for the Receiving Water (Sq Mi)	Warm or Cold water Stream	Appendix B NTU value (Outfall Sampling Only)	Allowable NTU Increase (Receiving Water Sampling only)	Location Description	CONSTRUCTION ACTIVITY	DISTURBED AREA (acres)	Average Outfall Slope (Rise/Run)	EROSION SOIL INDEX	Represented Outfall Drainage Basins
A-2	111+26.72, 30.00' RT	BIG CREEK	2.3	OUTFALL	0.1357	WARM	75	N/A	PIPE OUTFALL A-2	NEW TRAIL	0.30	0.0119 FT/FT	6.05	ALL

The primary sampled features specified should be used as the initial sampling locations. An alternate monitored feature may be used if additional sampling is required or to replace a primary monitored feature that is no longer located within an active phase of construction.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the Inspecting and Sampling Procedures.

AUTOMATIC SAMPLING:

Samples will be taken at the appropriate times as specified in Part IV.D.6.d. of the permit. Automatic sampling can be accomplished by using a sampling device similar to the Isco Model 3700 or 6700. These devices can be triggered by flow meters or rain gages to collect the required samples. This determination will be made on a project by project basis. The probe for the automatic sampler will be placed in the center of the outfall channel. Samples will remain in the automatic sampler until the next business day, when they will be collected and tested.

TESTING:

All turbidity tests shall be done in accordance with 40 CFR Part 136 (unless other test procedures have been approved); the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD. Turbidity results will be recorded and reported to EPD in accordance with Part IV.E of the permit.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 51-002

02/12/2015 GPLN

EROSION, SEDIMENTATION, AND POLLUTION CONTROL CHECKLIST:

GSWCC

Georgia Soil and Water Conservation Commission

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: FORSYTH COUNTY

Project Name: BIG CREEK GREENWAY PHASE 5 EXTENSION Address:

City/County: CITY OF CUMMING/ FORSYTH COUNTY Date on Plans: X/XX/XX

PREPARED BY: BRYON LETOURNEAU, P.E.
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Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-03	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
ALL	Y	2 Level II certifcation number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-01	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and polluton controls.
50-01	Y	4 Provide the name, address and phone number of primary permittee.
51-01	Y	5 Note total and disturbed acreage of the project or phase under construction.
50-01	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-01	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-01	Y	8 Description of the nature of construction activity.
50-01	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
51-02, 53-01-03, 55-01	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-01	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
50-01	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
50-01	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on page 26 of permit as applicable.*
N/A	N	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with part IV.A.5. within 7 days after installation."*
51-02	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
N/A	N	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-01	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
51-01	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
51-01	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-01	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-01	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
N/A	N	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
51-01	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes. hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
51-01	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-01	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
51-01	Y	27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
51-01	Y	28 Description and chart or timeline of the intended sequence of major activites which disturb soils for the major portions of the site (i.e., inital perimeter and sediment storage BMPs, clearing and grubbing activites, excavation activites, utility activites, temporary and final stabilization).
51-01	Y	29 Provide complete requirements of inspections and record keeping by the primary permittee.*
51-02	Y	30 Provide complete requirements of sampling frequency and reporting of sampling results.*
51-01	Y	31 Provide complete details for retention of records as per Part IV.F. of the permit.*
51-02	Y	32 Description of analytical methods to be used to collect and analyze the samples from each location.*
51-01	Y	33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
51-02	Y	34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
51-01	Y	35 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
51-02	Y	36 Graphic scale and North arrow.
51-01	Y	37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours: USGS 1": 2000' Topographical Sheets; Proposed Contours: 1" : 400' Centerline Profile
ALL	N/A	38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	N	39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
N/A	N	40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N	41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-01-03	Y	42 Delineation and acreage of contributing drainage basins on the project site.
55-01	Y	43 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-01-03	Y	44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activites are completed.
55-01	Y	45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-06	Y	46 Soil series for the project site and their delineation.
51-01	Y	47 The limits of disturbance for each phase of construction.
51-01	Y	48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activites until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
54-01-54-24	Y	49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
51-04-07 [redacted]	Y	50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-04-51-06	Y	51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

Effective January 1, 2017

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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 51-003

02/12/2015 GPLN

MULCHING MATERIAL
1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage
2. Wood waste (chips, sawdust, or bark) shall be applied at a depth of 2 to 3 inches organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch.
3. Cutback asphalt (slow curing) shall be applied at 1200 gallons per acre (or 1/4 gallon per sq.yd.)
4. Polyethylene film shall be secured overbanks or stockpiled soil material for temporary protection.

APPLYING MULCH
1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
2. If the area will eventually be covered with perennial vegetation, 20-30 punds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by decomposition of the organic mulches.
3. Cutback asphalt shall be applied uniformly. Care should be taken in areas of pedestrian traffic due to problems of "tracking in" or damage to shoes, clothing, etc.
4. Apply polyethylene film on exposed areas.

ANCHORING MULCH
1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be used smooth or serrated and sholuld be 20 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application. Straw or hay mulch spread with special blower-type equipment may be anchored with emulsified asphalt (grade AE-5 or SS-1). The asphalt emulsion shall be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of emulsified asphalt and 100 gallons of water per ton of mulch. Tackifers and binders can be substituted for emulsified asphalt. Please refere to specification Tb Tackifers and Binders. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufactureer's specifications.
2. Netting or the appropriate size shall be used to anchor wood waste. Opening of the netting shall not be larger than the average size of the wood waste chips.
3. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

INSTALLATION NOTES:
1. Install all other required BMP's first.
2. Grade site, if possible, to permit the use of equipment for applying and anchoring mulch.
3. Loosen compacted soil, if possible, to a depth of 3 inches.
4. Apply straw or hay uniformly, as shown in Table 1, by hand or mechanical equipment, and anchor by pressing into soil or using netting.
5. Mulch on slopes greater than 3% should be anchored with emulsified asphalt (Grade AE-5 or SS-1) other suitable tackifier.
6. Wood wasate on slopes flatter than 3:1 do not need anchoring.
7. Mulch shall be applied to all disturbed areas left inactive for fourteen days.

MAINTENANCE NOTES:
1. Add mulch as needed to maintain the suggested depth.
2. If organic mulch is to be left and incorporated into the soil, apply 20-30 pounds of nitrogen in addition to the fertilizer required for vegetation.

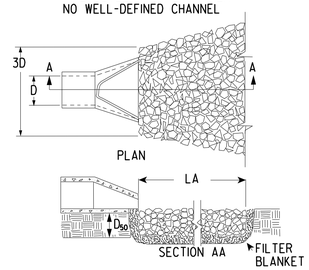
TABLE 1. Mulching Application Requirements

MATERIAL	RATE	DEPTH
Straw or hay	-	2" to 4"
Wood waste, chips, sawdust, bark	-	2" to 3"
Cutback asphalt	1200 gal./acre, 1/4 gal./sq.yd./ or see manufacturer's recommendations	-
Polyethylene film	Secure with soil, anchors, weights	-
Geotextiles, jute matting, netting, etc.	See manufacturer's recommendations	-

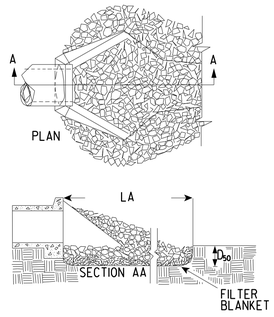
Dsl

DISTURBED AREA STABILIZATION
(WITH MULCHING ONLY)

PIPE OUTLET TO FLAT AREA-
NO WELL-DEFINED CHANNEL



PIPE OUTLET TO WELL-DEFINED
CHANNEL



NOTES

1. LA IS THE LENGTH OF THE RIPRAP APRON.
2. D_{50}= 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OF TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

St

STORM DRAIN
OUTLET PROTECTION

PREPARED BY: BRYON LETOURNEAU, P.E.
Level II Certification #: 0000035386

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

ESPCP GENERAL NOTES

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
51-004

Species	Broadcast Rates - PLS Per Acre	Broadcast Rates - PLS Per 1000 sq. ft.	Planting Dates (Solid lines indicate optimum dates, dotted lines indicated permissible but marginal dates.) J F M A M J J A S O N D
BARLEY (Hordeum vulgare) alone	3 bu. (144 lbs.)	3.3 lb.	
in mixtures	½bu. (24 lbs.)	0.6 lb.	
LESPEDEZA, ANNUAL (Lespedeza striata) alone	40 lbs.	0.9 lb.	
in mixtures	10 lbs.	0.2 lb.	
LOVEGRASS, WEEPING (Eragrostis curvula) alone	4 lbs.	0.1 lb.	
in mixtures	2 lbs.	0.05 lb.	
MILLET, BROWNTOP (Panicum fasciculatum) alone	40 lbs.	0.9 lb.	
in mixtures	10 lbs.	0.2 lb.	
MILLET, PEARL (Pennesetum glaucum) alone	50 lbs.	1.1 lb.	
OATS (Avena sativa) alone	4 bu. (128 lbs.)	2.9 lb.	
in mixtures	1 bu. (32 lbs.)	0.7 lb.	
RYE (Secale cereale) alone	3 bu. (168 lbs.)	3.9 lb.	
in mixtures	½bu. (28 lbs.)	0.6 lb.	
RYEGRASS, ANNUAL (Lolium temulentum) alone	40 lbs.	0.9 lb.	
SUDANGRASS (Sorghum sudanese) alone	60 lbs.	1.4 lb.	
WHEAT (Triticum aestivum) alone	3 bu. (180 lbs.)	4.1 lb.	
in mixtures	½bu. (30 lbs.)	0.7 lb.	

TEMPORARY SEEDING
SEEDBED PREPARATION: When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall. When soil has been sealed by rainfall or consists of smooth undisturbed cut slopes, the soil shall have pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.
LIME AND FERTILIZER: Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soils can be tested to see if fertilizer is needed. On reasonably fertile soils or soil material, fertilizer is not required. For soils with very low fertility, 500 to 700 pounds of 10-10-10 fertilizer of the equivalent per acre (12-16 LBS/1000 sq.ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk, ripper or chisel.
SEEDING: Refer to temporary seeding chart this page. Apply seed uniformly by hand, cyclone seeder, drill, cultipacker-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Approximate depth of plantings is ten times the seed diameter. Soil should be raked lightly to cover seed with soil if seeding by hand.
MULCHING: Apply 2.5 tons of dry pine straw per acre of seeded area.

TABLE 1. SOME TEMPORARY PLANT SPECIES, SEEDING RATES AND PLANTING DATES

Species	Rates per 1,000 sq. ft.	Rates per Acre	Region M-L (Mountain, Blue Ridge, Ridges and Valley)	Region P (Southern Piedmont	Region C (Southern Coastal Plain, Sand Hills, Black Lands, and Atlantic Coastal Flatwoods)
Barley alone	3.3 lbs.	3 bu.	9 Sept. - 31 Oct.	15 Sept. - 15 Nov.	1 Oct. - 31 Dec.
Barley, in mixtures	0.6 lbs.	0.5 bu.			
Lespedeza, Annual	0.9 lbs.	40 lbs.	1 Mar. - 31 Mar.	1 Mar. - 31 Mar.	1 Feb. - 28 Feb.
Lespedeza, in mixtures	0.2 lbs.	10 lbs.			
Lovegrass, weeping	0.1 lbs.	4 lbs.	1 Apr. - 31 May	1 Apr. - 31 May	1 Mar. - 31 May
Lovegrass, in mixtures	0.05 lbs.	2 lbs.			
Millet, browntop	0.9 lbs.	40 lbs.	15 Apr. - 15 Jun.	15 Apr. - 30 Jun.	15 Apr. - 30 Jun.
Millet, in mixtures	0.2 lbs.	10 lbs.			
Millet, pearl	1.1 lbs.	50 lbs.	15 May - 15 Jul.	1 May - 31 Jul.	15 Apr. - 15 Aug.
Oats, alone	2.99 lbs.	4 bu.	15 Sept. - 15 Nov.	15 Sept. - 15 Nov.	15 Sept. - 15 Nov.
Oats, in mixtures	0.7 lbs.	1 bu.			
Rye (grain), alone	3.9 lbs.	3 bu.	15 Aug. - 31 Oct.	15 Sept. - 30 Nov.	1 Oct. - 31 Dec.
Rye, in mixtures	0.6 lbs.	0.5 bu.			
Ryegrass	0.9 lbs.	40 lbs.	15 Aug. - 15 Nov.	1 Sept. - 15 Dec.	15 Sept. - 31 Dec.
Sudangrass	1.4 lbs.	60 lbs.	1 May - 31 Jul.	1 May - 31 Jul.	1 Apr. - 31 Jul.
Triticale, alone	3.3 lbs.	3 bu.	-	-	15 Oct. - 30 Nov.
Triticale, in mixtures	0.6 lbs.	0.5 bu.			
Wheat, alone	4.1 lbs.	3 bu.	15 Sept. - 30 Nov.	1 Oct. - 15 Dec.	15 Oct. - 31 Dec.
Wheat, in mixtures	0.7 lbs.	0.5 bu.			

1. Unusual site conditions may require heavier seeding rates.
2. Seeding dates may need to be altered to fit temperature variations and local conditions.
3. For major land resource areas (MLRAs), see "TACKIFIERS AND BINDERS" of the Manual for Erosion and Sediment Control in Georgia, latest edition.
4. Seeding rates are based on pure live seed (PLS).

TABLE 2. FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	1000	-
	Maintenance	10-10-10	400	30
Cool season grasses and legumes	First	6-12-12	1500	0-50
	Second	0-10-10	1000	-
	Maintenance	0-10-10	400	-
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	800	50-100
	Maintenance	10-10-10	400	30

INSTALLATION NOTES:
1. Install all ES&PC measures prior to applying temporary vegetation.
2. Grading or shaping are not required if slopes can be planted with a hydroseeder or by hand-seeding.
3. Seedbed preparation is not required if soil is loose and not sealed by rain.
4. When the soil is sealed or crusted, it should be pitted, trenched or scarified to provide a place for seed to lodge and germinat.
5. Fertilize low fertility soils prior to or during planting at the rate of 500-700 LBS./ acre of 10-10-10 or equivalent (12-16 LBS./ 1000 sq.ft.).
6. It is imperative that you check the tag on the bag of seed to verify the type and germination of the seed to be planted.
7. Apply seed by hand, cyclone seeder, drill or hydro-seeder. Seed planted with a drill should be planted 1/4" - 1/2" deep.
8. Apply in accordance with specifications on the ES&PC plan. If information is not available, select a temporary cover from Table 1.
9. Temporary cover shall be applied to all disturbed areas left idle for 14 days. (If an area is left idle for 6 months, permanent cover shall be applied.)

MAINTENANCE NOTE:
Re-seed areas where an adequate stand of temporary vegetation fails to emerge or where a poor stand exists.

SEEDING SCHEDULE
TEMPORARY COVER

Ds2

SCALE: NTS

PREPARED BY: BRYON LETOURNEAU, P.E.
Level II Certification #: 0000035386

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REVISION DATES

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BOARD OF COMMISSIONERS
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ESPCP GENERAL NOTES

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 51-005

02/12/2015 GPLN

Species	Broadcast Rates - PLS Per Acre	Broadcast Rates - PLS Per 1000 sq. ft.	Broadcast Rates - PLS Per Acre	Planting Dates (Solid lines indicate optimum dates, dotted lines indicated permissible but marginal dates.)
BAHIA, * (Paspalum notatum) alone or w/temporary cover w/other perennials	60 lbs. 30 lbs.	1.4 lb. 0.7 lb.	P C	* BAHIA, PENSACOLA * BAHIA, WILMINGTON
BERMUDA, SPRIGS (Cynodon dactylon) Coastal, Common, or Tift 44	40 cu. ft. or sod plugs 3'x3'	0.9 cu. ft.	0.9 cu. ft.	
BERMUDA, COMMON (Cynodon dactylon) alone w/other perrenials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	0.2 lb. 0.1 lb.	Hulled seed Unhulled seed
FESCUE, TALL (Festuca arundinacea) alone w/other perrenials	50 lbs. 30 lbs.	1.1 lb. 0.7 lb.	1.1 lb. 0.7 lb.	
CROWNVTECH (Coronilla varia) w/winter annuals or cool season grasses	15 lbs.	0.3 lb.	0.3 lb.	
REED CANARY GRASS (Phorlaris arundinacea) alone w/other perrenials	50 lbs. 30 lbs.	1.1 lb. 0.7 lb.	1.1 lb. 0.7 lb.	
CENTIPEDE (Eremochloa ophiuroides)	Black sod only			
KUDZU (Pueraria thumbergiana) plants or crowns	3' - 7' apart			
LOVEGRASS, WEEPING (Eragrostis curvula) alone w/other perrenials	4 lbs. 2 lbs.	0.1 lb. 0.05 lb.	0.1 lb. 0.05 lb.	
LESPEDEZA, SERICEA (Lespedeza cuneata) scarified unscarified seed-bearing hay	60 lbs. 75 lbs. 3 tons	1.4 lb. 1.7 lb. 138 lb.	1.4 lb. 1.7 lb. 138 lb.	

NOTE:
1. YOU MAY USE ANY OTHER SPECIES IF APPROVED BY "MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION.
2. ALL FERTILIZER RATE AND APPLICATION, SEED QUALITY, SEEDBED PREPERATION, INNOCULANTS, PLANTING, AND MULCHING SHALL COMPLY WITH MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
3. DO NOT USE KUDZU ON THIS PROJECT.

TABLE 1. PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

Species	Rates per acre	Rates per 1,000 sq. ft.	Region M-L (Mountain, Blue Ridge, Ridges and Valley)	Region P (Southern Piedmont)	Region C (Southern Coastal Plain, Sandhills, Black Lands and Atlantic Coastal Flatwoods)	Remarks
Bahia, Pensacola Alone or with temporary cover With other perennials	60 lbs. 30 lbs.	1.4 lbs. 0.7 lb.	-	1 Apr. - 31 May	1 Mar. - 31 May	166,000 seed per pound; low growing; sod forming; slow to establish; plant with a companion crop; will spread into bermuda pastures and lawns; mix with sericea lespedeza or weeping
Bahia, Wilmington Alone or with temporary cover With other perennials	60 lbs. 30 lbs.	1.4 lbs. 0.7 lb.	15 Mar. - 31 May	1 Mar. - 31 May	-	Lovegrass Same as above
Bermuda, Common (Hulled Seed) Alone With other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	-	1 Apr. - 31 May	15 Mar. - 31 May	1,787,000 seed per pound; quick cover; low growing; sod forming; needs full sun; good for athletic fields
Bermuda, Common (Unhulled seed) With temporary cover With other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	-	1 Oct. - 28 Feb.	1 Nov. - 31 Jan.	Plant with Winter annuals Plant with Tall Fescue
Bermuda Sprigs (Cynodon dactylon) Coastal, Common Wiregrass, or Tift 44 Coastal, Common or Tift 44 Tift 78	40 cu. ft. Sod plugs 3' x 3'	0.9 cu. ft.	15 Apr. - 15 Jun.	1 Apr. - 31 May	1 Apr. - 31 May	1 cu. ft. = 650 sprigs 1 bu. = 1.25 cu. ft. or 800 sprigs same as above Southern Coastal Plain only.
Centipede	Black Sod only		-	1 Nov. - 31 May	1 Nov. - 31 May	Drought tolerant. Full sun or partial shade.
Crown Vetch With winter annuals or cool season grasses	15 lbs.	0.3 lb.	1 Sept. - 15 Oct.	1 Sept. - 15 Oct.	-	Mix with 30 lbs. Tall Fescue or 15 lbs. Rye; inoculate seed; plant only North of Atlanta.
Fescue, Tall Alone With other perennials	50 lbs. 30 lbs.	1.1 lbs. 0.7 lb.	1 Mar. - 15 Apr. or 15 Aug. - 15 Oct.	1 Sept. - 15 Oct.	-	Can be mixed with perennial Lespedezas or Crown Vetch; not for droughty soils or heavy use areas.
Kudzu (Pueraria thumbergiana) plants or crowns	3'-7' apart		1 Jan. - 15 Mar.	1 Jan. - 15 Mar.	1 Jan. - 15 Mar.	Rapid and vigorous growth; excellent in gully erosion control; will climb; good livestock forage
Lespedeza, Sericea Scarified Unscarified Seed-bearing hay	60 lbs. 75 lbs. 3 tons	1.4 lbs. 1.7 lbs. 138 lbs.	1 Apr. - 31 May 1 Sept. - 28 Feb. 1 Oct. - 28 Feb.	15 Mar. - 31 May 1 Sept. - 28 Feb. 1 Oct. - 31 Jan.	1 Mar. - 15 May 1 Sept. - 28 Feb. 15 Oct. - 15 Jan.	Widely adapted and low maintenance; takes 2-3 years to establish; inoculate seed with EL Inoculant; mix with Weeping Lovegrass, Common Bermuda, Bahia or Tall Fescue. Mix with Tall Fescue or winter annuals. Cut when seed is mature but before it shatters. Add Tall Fescue or winter annuals.
Lespedeza, Ambro Virgata or Appalow Scarified Unscarified	60 lbs. 75 lbs.	1.4 lbs. 1.7 lbs.	1 Apr. - 31 May 1 Sept. - 28 Feb.	15 Mar. - 31 May 1 Sept. - 28 Feb.	1 Mar. - 15 May 1 Sept. - 28 Feb.	Spreading growth with height of 18"-24"; good in urban areas; slow to develop good stands; mix with Weeping Lovegrass, Common Vermuda, Bahia, Tall Fescue or winter annuals; do not mix with Sericea Lespedeza; inoculate seed with EL Inoculant.
Lespedeza, Shrub (Lespedeza Bicolor or Lespedeza Thumbergii) Plants	3' x 3' spacing		1 Oct. - 31 Mar.	1 Nov. - 15 Mar.	15 Nov. - 28 Feb.	Plant in small clumps for wildlife food and cover.
Lovegrass, Weeping Alone With other perennials	4 lbs. 2 lbs.	0.1 lb. 0.05 lb.	1 Apr. - 31 May	15 Mar. - 31 May	1 Mar. - 31 May	Quick cover; drought tolerant; grows well with Sericea Lespedeza on road-banks and other steep slopes; short lived.
Maldencane Sprigs	2' x 3' spacing		1 Feb. - 31 Mar.	1 Feb. - 31 Mar.	1 Feb. - 31 Mar.	For very wet sites such as riverbanks and shorelines. Dig sprigs locally.
Panicgrass, Atlantic Coastal	20 lbs.	0.5 lbs.	-	1 Mar. - 30 Apr.	1 Mar. - 30 Apr.	Grows well on coastal sand dunes; mix with Sericea Lespedeza but not on sand dunes.
Reed Canary Grass With other perennials	50 lbs. 30 lbs.	1.1 lbs. 0.7 lbs.	15 Aug. - 15 Oct.	1 Sept. - 15 Oct.	-	Grows similar to Tall Fescue; for wet sites.
Sunflower, Aztec Maximillian	10 lbs.	0.2 lbs.	15 Apr. - 31 May	15 Apr. - 31 May	1 Apr. - 31 May	Mix with Weeping Lovegrass or other low growing grasses or legumes.

NOTES:
1. RATES ARE FOR BROADCASTED SEED. IF A SEED DRILL IS USED, REDUCE THE RATES BY ONE-HALF.
2. PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
3. SEEDING RATES ARE BASED ON PURE LIVE SEEDS.

TABLE 2. FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION

Type of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	1000	-
	Maintenance	10-10-10	400	30
Cool season grasses and legumes	First	6-12-12	1500	0-50
	Second	0-10-10	1000	-
	Maintenance	0-10-10	400	-
Ground covers	First	10-10-10	1300	-
	Second	10-10-10	1300	-
	Maintenance	10-10-10	1100	-
Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	-
Shrub Lespedeza	First	0-10-10	700	-
	Maintenance	0-10-10	700	-
Temporary cover crops seeding alone	First	10-10-10	500	30
Warm season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	800	50-100
	Maintenance	10-10-10	400	30
Warm season grasses and legumes	First	6-12-12	1500	50
	Second	0-10-10	1000	-
	Maintenance	0-10-10	400	-

1/ APPLY IN SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3/APPLY IN 3 SPLIT APPLICATIONS.
4/APPLY WHEN PLANTS ARE PRUNED.
5/ APPLY TO GRASS SPECIES ONLY.
6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

PERMANENT SEEDING:
SEEDBED PREPARATION: TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED. AREA TO BE SEEDED SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3". THE TOP LAYER SHALL BE LOOSENED BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING OCCURS. IN LIEU OF SOIL TEST RESULTS, APPLY 50 LBS. OF DOLOMITIC LIMESTONE AND 25 LBS. OF 10-10-10 FERTILIZER PER 1,000 SQUARE FEET. HARROW OR DISK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF AT LEAST 3" ON SLOPES FLATTER THAN 3:1.
SEEDING: REFER TO PERMANENT SEEDING CHART THIS PAGE. APPLY SEED UNIFORMLY WITH A CULTIPACKER SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, HAND SEEDER. COVER THE SEED LIGHTLY WITH¼" TO¼" OF SOIL FOR SMALL SEED AND½" TO 1" FOR LARGE SEED WHEN USING ACULTIPACKER OR OTHER SUITABLE EQUIPMENT. IRRIGATE UNTIL VEGETATION IS FIRMLY ESTABLISHED IF SOIL MOISTURE IS NOT SUFFICIENT TO SUPPORT ADEQUATE GROWTH.
MULCHING: STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE. APPLY 2.5 TONS OF DRY PINE STRAW PER ACRE OF SEEDED AREA.

INSTALLATION NOTES:
1. USE CONVENTIONAL PLANTING METHODS, WHERE POSSIBLE.
2. APPLY ACCORDING TO APPROVED PLAN, IF SHOWN, OR REFER TO TABLE 1.
3. CHECK THE TAG ON THE BAG OF SEED TO VERIFY THE TYPE AND GERMINATION OF THE SEED TO BE PLANTED ANDTHE DATE OF THE TEST.
4. SCARIFY, PIT OR TRENCH SEALED OR CRUSTED SOIL.
5. FERTILIZE BASED ON SOIL TESTS OR AS SHOWN IN TABLE 2.
6. APPLY AGRICULTURAL LIME AS PRESCRIBED BY SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE.
7. APPLY SEED BY HAND, CYCLONE SEEDER, DRILL OR HYDRO-SEEDER. SEED PLANTED WITH A DRILL SHOULD BE PLANTED¼"-1/2" DEEP.
8. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2 OR 2.5 TONS PER ACRE.
9. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL, BUT NOT TO THE EXTENT TO CAUSE EROSION.

SEEDING SCHEDULE
PERMANENT COVER

Ds3

SCALE: NTS

PREPARED BY: BRYON LETOURNEAU, P.E.
Level II Certification #: 0000035386

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3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

ESPCP GENERAL NOTES

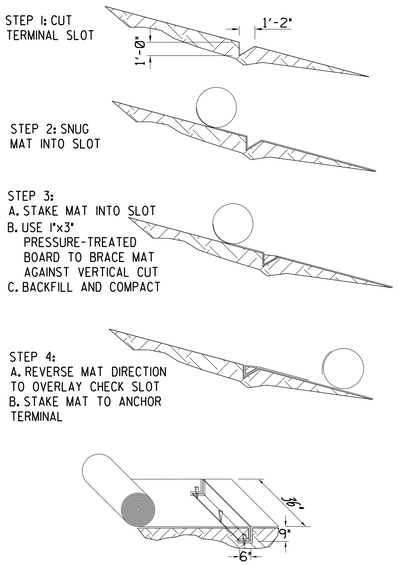
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 51-006

02/12/2015 GPLN

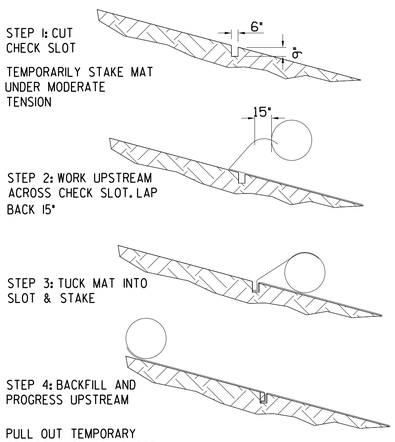
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	555554	121	156

UPSTREAM TERMINAL

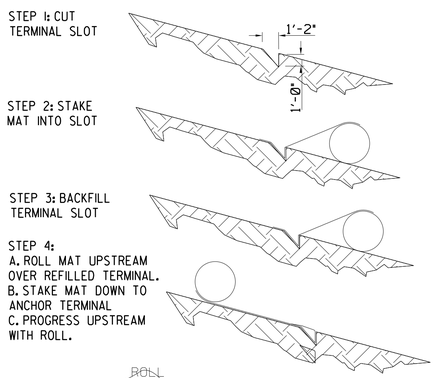


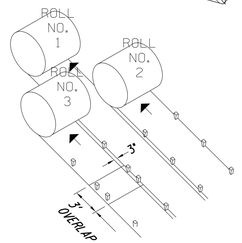
PICTORAL VIEW OF TRANSVERSE SLOT

TRANSVERSE CHECK SLOT



DOWNSTREAM TERMINAL

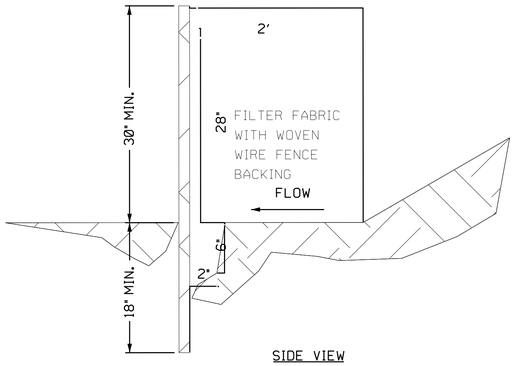




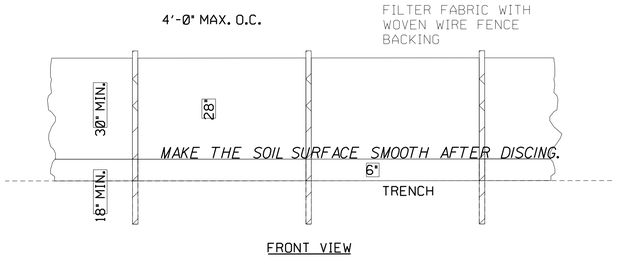
SEQUENTIAL ROLL RUN OUT IN CHANNELS

1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
4. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
5. USE 3' OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
6. USE 3" OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.

Mb EROSION CONTROL BLANKETS AND MATTING



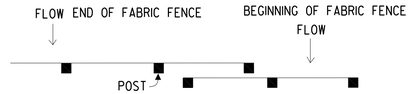
SIDE VIEW



FRONT VIEW

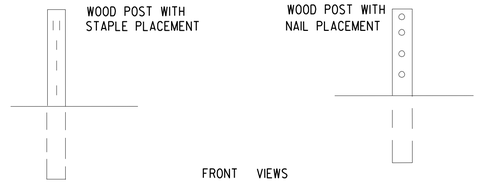
NOTE:
USE 36" D.O.T. APPROVED FABRIC.
USE STEEL POSTS - ONLY.

Sdl SILT FENCE



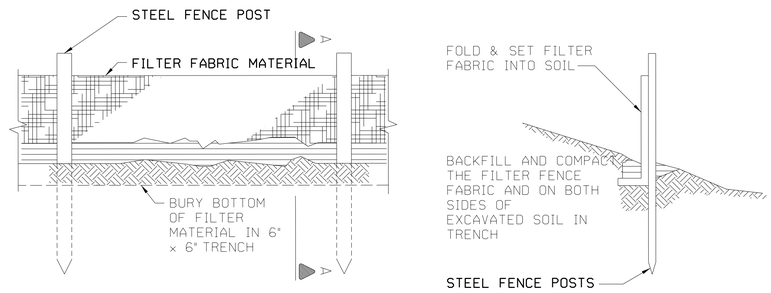
TOP VIEW - (NOT TO SCALE)

OVERLAP AT FABRIC ENDS



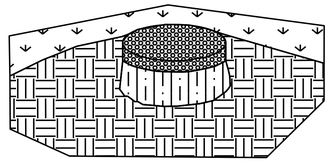
FRONT VIEWS

FASTENERS FOR SILT FENCE



SECTION A-A

NOTE:
1. FABRIC SHALL RETAIN 85% OF SOIL. BASED ON SIEVE ANALYSIS, BUT NOT FINER THAN OPENING SIZE 70.
2. SILT FENCE MATERIAL WILL MEET GDOT SPECIFICATIONS.



Sd2 ALTERNATE Sd2 STRUCTURE

PREPARED BY: BRYON LETOURNEAU, P.E.
Level II Certification #: 0000035386

POND
3500 Parkway Lane
Suite 600
Peachtree Corners, 30092
Phone 678-336-7740
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REVISION DATES

FORSYTH COUNTY BOARD OF COMMISSIONERS

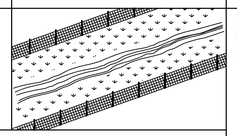
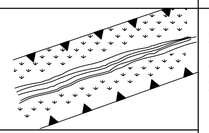
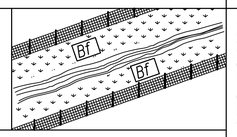
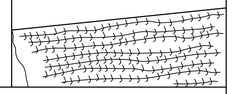
OFFICE:

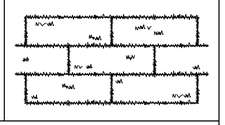
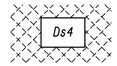
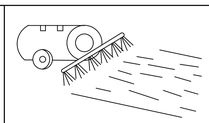
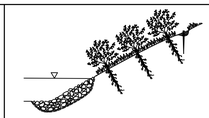
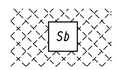
ESPCP GENERAL NOTES

BIG CREEK GREENWAY PHASE 5A EXTENSION

DRAWING No. 51-007

02/12/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE	 ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	LINE CODE	 ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL	Bf	
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds1	
Ds2	TEMPORARY GRASSING SECTION 163, 700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds2	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds3	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN	 Ds4	
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
	SYMBOL	Fl-Co POLYACRYLAMIDE	
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
	PATTERN	 Sb	

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

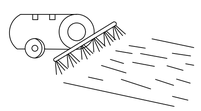
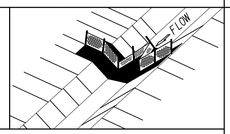
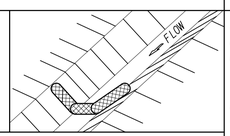
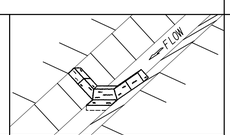
UNIFORM CODE SHEET

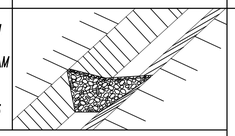
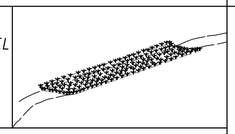
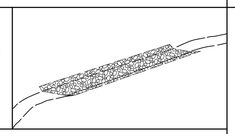
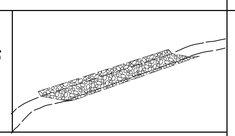
SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0001

7/31/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716 PATTERN Ss		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895 SYMBOL Tac POLYACRYLAMIDE		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171 SYMBOL Cd-F		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163 SYMBOL Cd-Fs		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163 SYMBOL Cd-Hb		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM GA. STD 1031 SECTION 163, 603 SYMBOL Cd-S		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Ch-I	VEGETATED CHANNEL STABILIZATION SECTION 700 LINE CODE Ch-I		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
Ch-2RI	CHANNEL STABILIZATION RIP-RAP, TYPE I CONSTRUCTION DETAIL D-49 SECTION 603 LINE CODE Ch-2RI		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE I RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603 LINE CODE Ch-2R3		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017

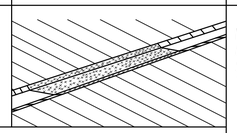
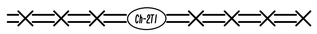
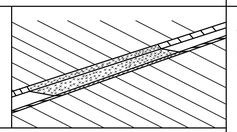
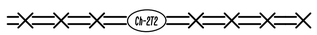
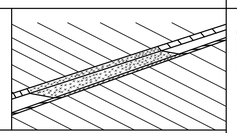
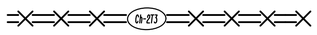
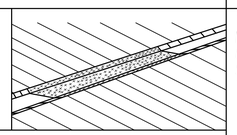
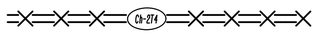
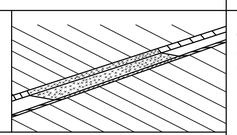
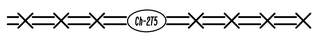
EROSION CONTROL LEGEND

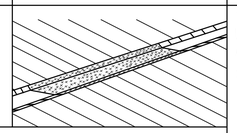
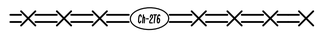
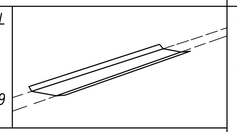
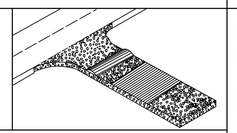
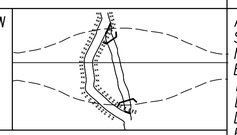
UNIFORM CODE SHEET

SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441	 LINE CODE 	CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800	 SYMBOL 	A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdi-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES
3/2/2017

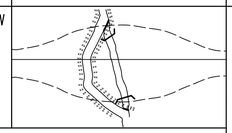
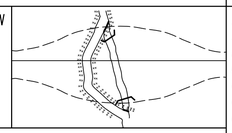
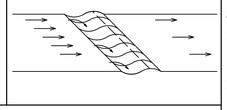
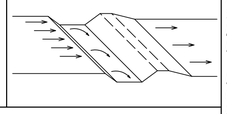
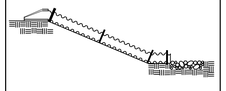
EROSION CONTROL LEGEND

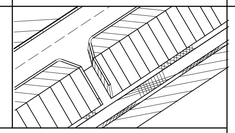
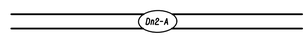
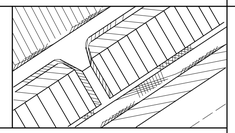
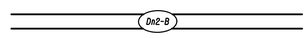
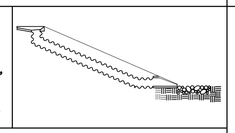
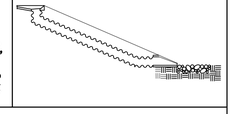
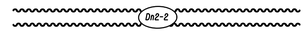
UNIFORM CODE SHEET

SHEET 3 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0003

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		
D1-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1"OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE		
D1-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
	LINE CODE		
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.
	LINE CODE		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
	LINE CODE		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES
3/2/2017

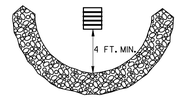
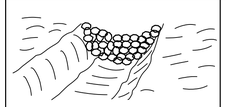
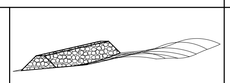
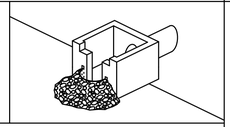
EROSION CONTROL LEGEND

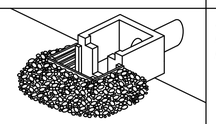
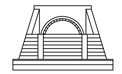
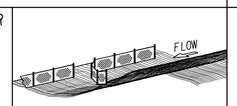
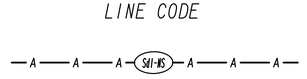
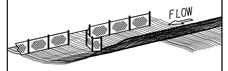
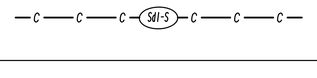
UNIFORM CODE SHEET

SHEET 4 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0004

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163	 SYMBOL Fr	A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603	 SYMBOL Rd	ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603	 LINE CODE 	STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT, THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
Rp	RIP-RAP SECTION 603	 PATTERN 	RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-I SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163	 SYMBOL Rt-P	A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163	 SYMBOL Rt-B	A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163	 FRONT VIEW SYMBOL Rt-Sg1 Rt-Sg2 Rt-Sg3	A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
Sdl-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171	 LINE CODE 	SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
Sdl-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171	 LINE CODE 	SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

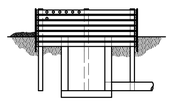
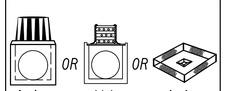
UNIFORM CODE SHEET

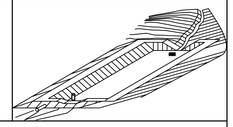
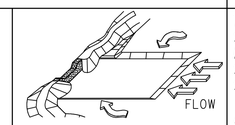
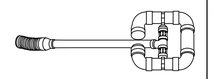
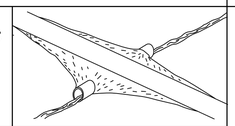
SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0005

7/31/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE ✳ ✳ ✳ (Sd1-BB) ✳ ✳ ✳		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-42 SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd4-C		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
	SYMBOL Sk		
Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!
	SYMBOL Sr		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

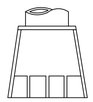
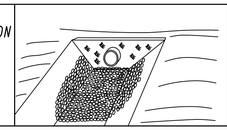
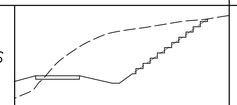
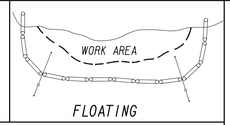
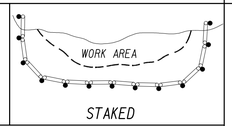
REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 6 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
	SYMBOL St		
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
	PATTERN FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL		
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
	LINE CODE Su		
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	 FLOATING	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
	LINE CODE Tc-F		
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	 STAKED	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.
	LINE CODE Tc-S		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

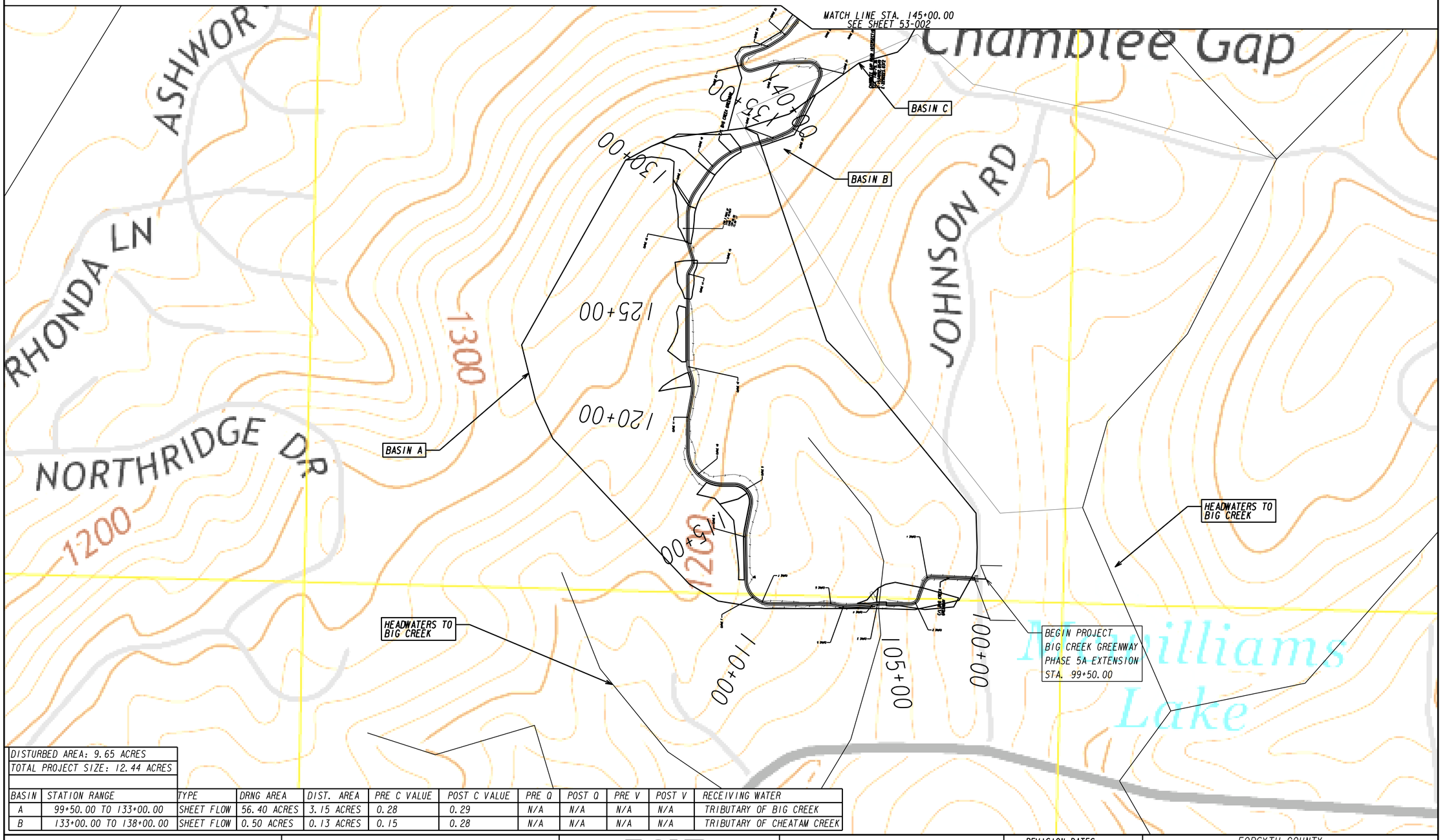
UNIFORM CODE SHEET

SHEET 7 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0007

2/9/2018 2:32:19 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_53-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	129	156



DISTURBED AREA: 9.65 ACRES
TOTAL PROJECT SIZE: 12.44 ACRES

BASIN	STATION RANGE	TYPE	DRNG AREA	DIST. AREA	PRE C VALUE	POST C VALUE	PRE Q	POST Q	PRE V	POST V	RECEIVING WATER
A	99+50.00 TO 133+00.00	SHEET FLOW	56.40 ACRES	3.15 ACRES	0.28	0.29	N/A	N/A	N/A	N/A	TRIBUTARY OF BIG CREEK
B	133+00.00 TO 138+00.00	SHEET FLOW	0.50 ACRES	0.13 ACRES	0.15	0.28	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK

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

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SCALE IN FEET
0 200 400 800

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

EROSION CONTROL DRAINAGE AREA MAP

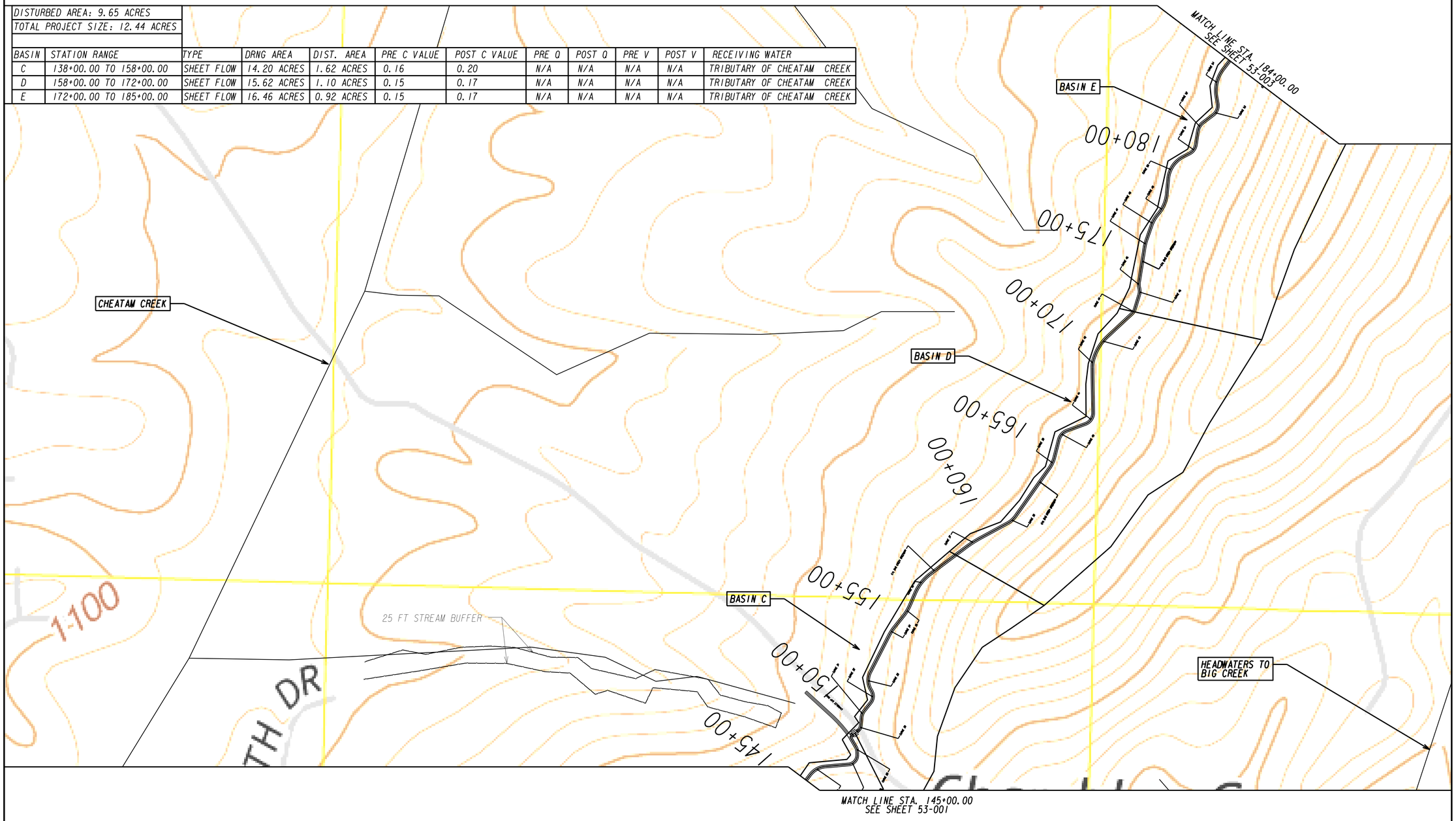
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
53-001

02/12/2015 GPLN

DISTURBED AREA: 9.65 ACRES
TOTAL PROJECT SIZE: 12.44 ACRES

BASIN	STATION RANGE	TYPE	DRNG AREA	DIST. AREA	PRE C VALUE	POST C VALUE	PRE Q	POST Q	PRE V	POST V	RECEIVING WATER
C	138+00.00 TO 158+00.00	SHEET FLOW	14.20 ACRES	1.62 ACRES	0.16	0.20	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK
D	158+00.00 TO 172+00.00	SHEET FLOW	15.62 ACRES	1.10 ACRES	0.15	0.17	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK
E	172+00.00 TO 185+00.00	SHEET FLOW	16.46 ACRES	0.92 ACRES	0.15	0.17	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK



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

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FORSYTH COUNTY
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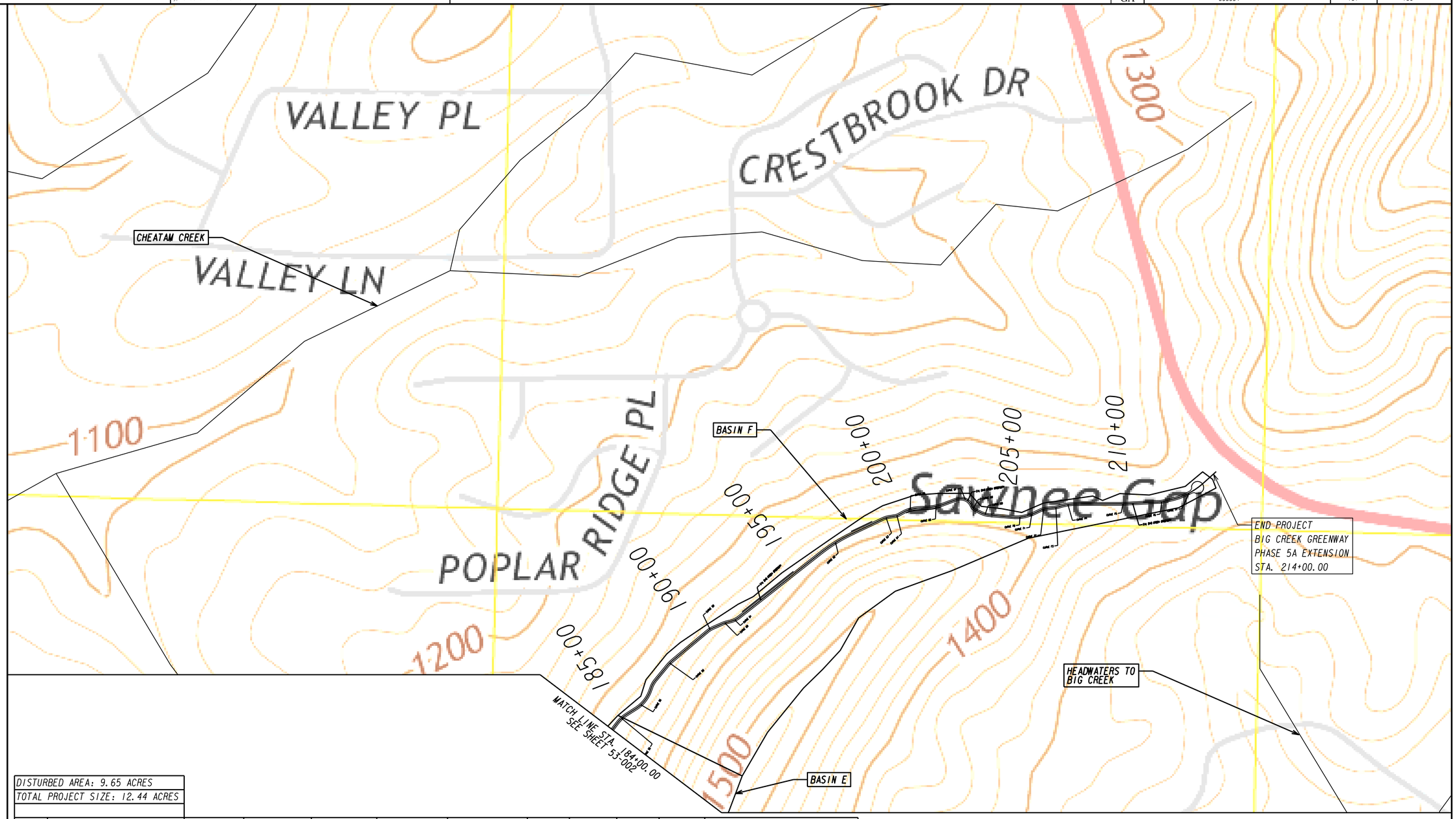
EROSION CONTROL DRAINAGE AREA MAP

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 53-002

02/12/2015 GPLN

2/9/2018 2:33:44 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_53-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	131	156



DISTURBED AREA: 9.65 ACRES
TOTAL PROJECT SIZE: 12.44 ACRES

BASIN	STATION RANGE	TYPE	DRNG AREA	DIST. AREA	PRE C VALUE	POST C VALUE	PRE Q	POST Q	PRE V	POST V	RECEIVING WATER
F	185+00.00 TO 213+35.00	SHEET FLOW	18.69 ACRES	2.73 ACRES	0.15	0.19	N/A	N/A	N/A	N/A	TRIBUTARY OF CHEATAM CREEK

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

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FORSYTH COUNTY
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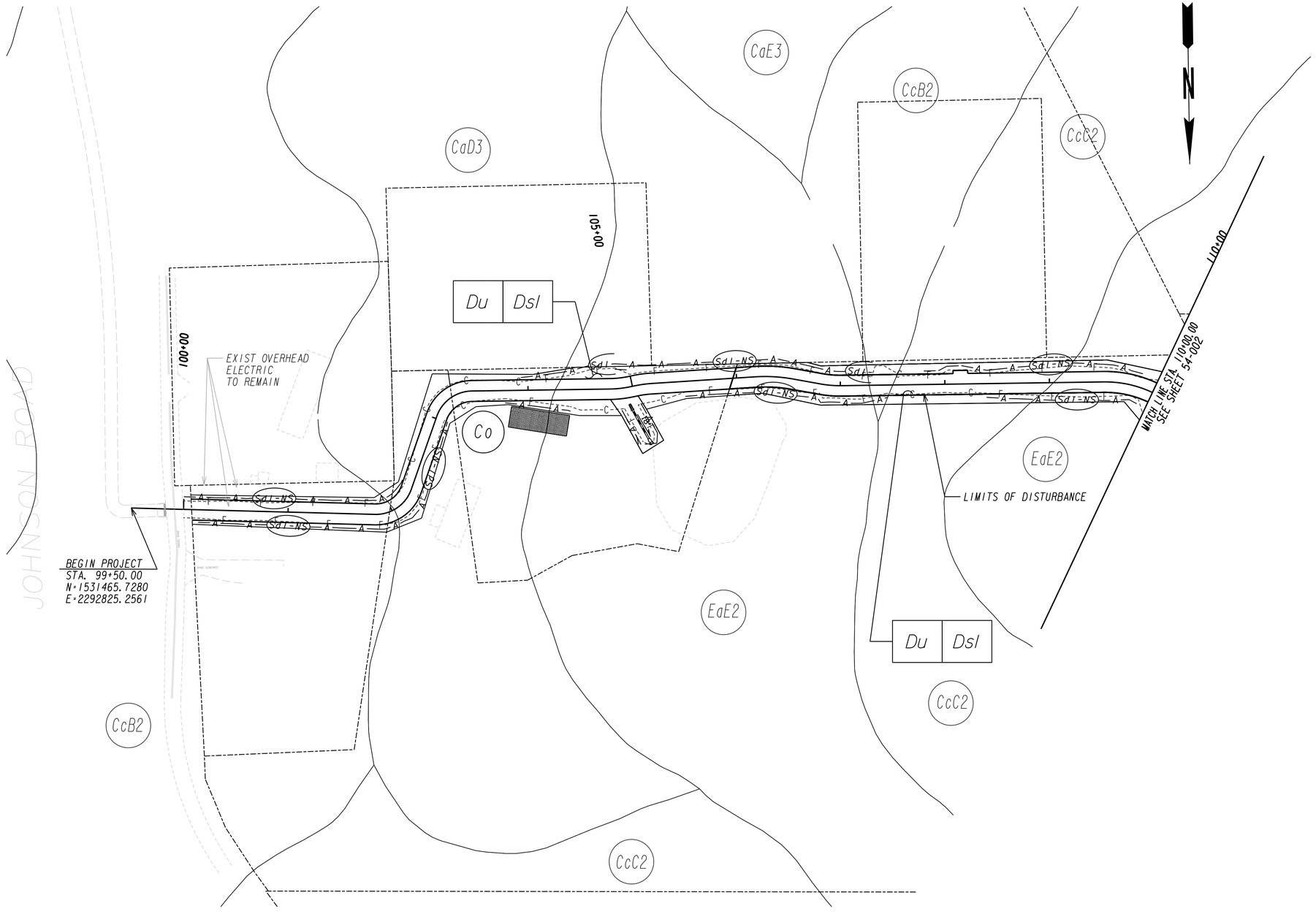
EROSION CONTROL DRAINAGE AREA MAP

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
53-003

02/12/2015 GPLN

2/9/2018 2:34:42 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	132	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

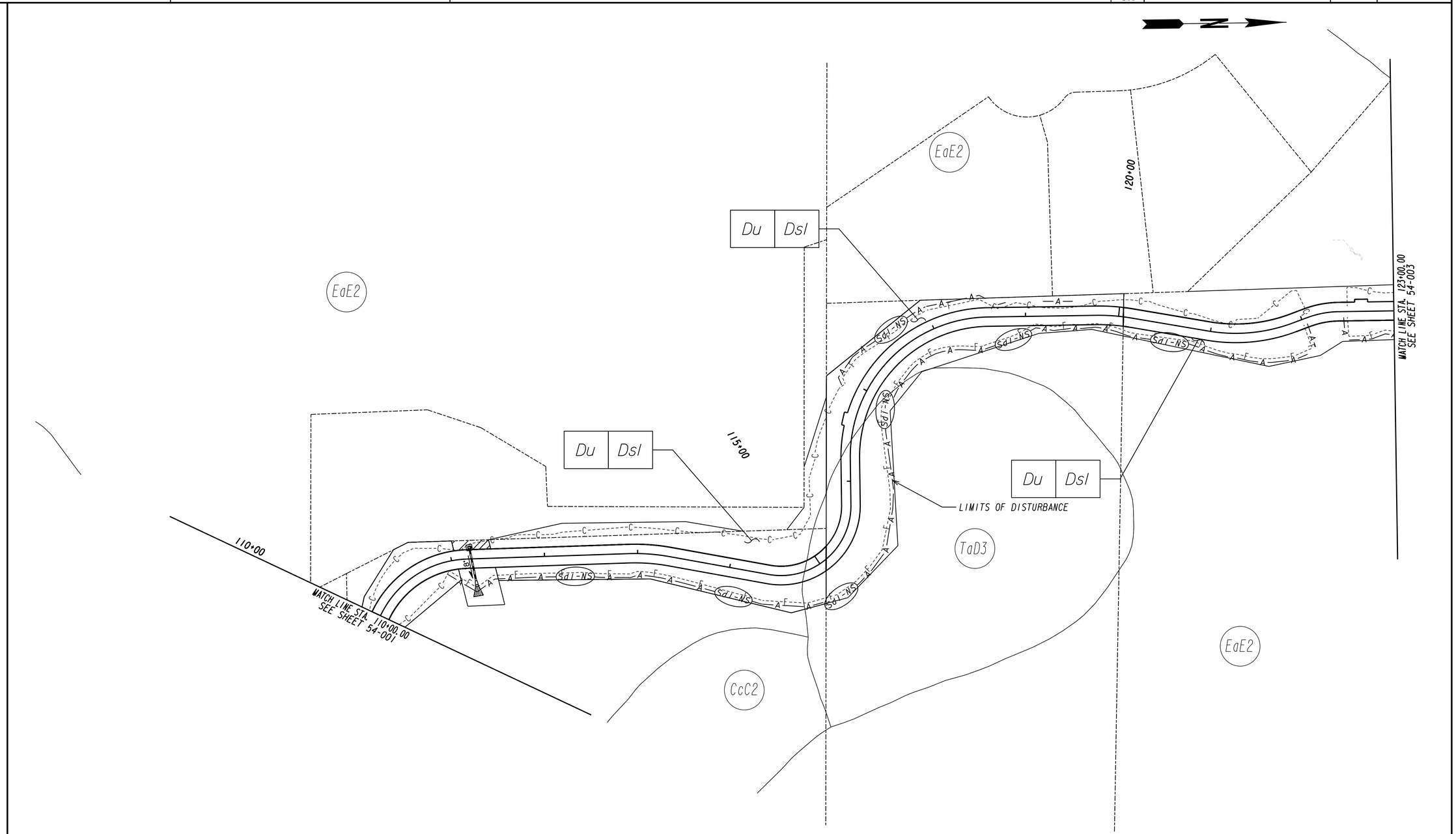
BMP LOCATION DETAILS - PHASE 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-001

02/12/2015 GPLN

2/9/2018 2:35:02 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-002.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	133	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"
ORANGE FENCE
INLET SEDIMENT TRAP
EROSION CONTROL MATTING
RIP RAP CHECK DAM

RIP RAP
MULCHING
TEMPORARY GRASSING
PERMANENT GRASSING
DUST CONTROL

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

BMP LOCATION DETAILS - PHASE 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-002

02/12/2015 GPLN

2/9/2018 2:35:21 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-003.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	134	156

EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp

RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

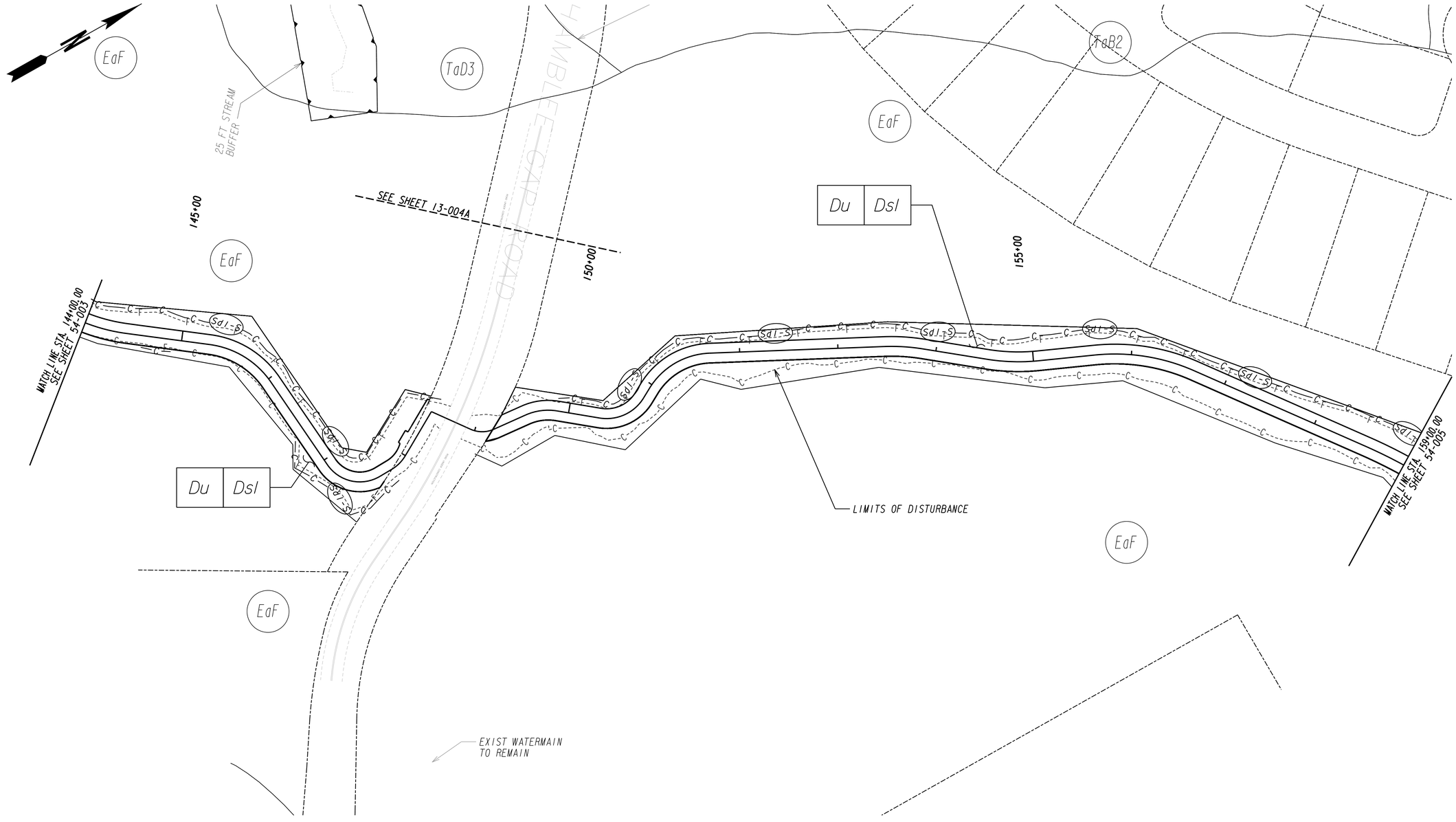
BMP LOCATION DETAILS - PHASE 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-003

02/12/2015 GPLN

2/9/2018 2:35:41 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-004.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	135	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sdl-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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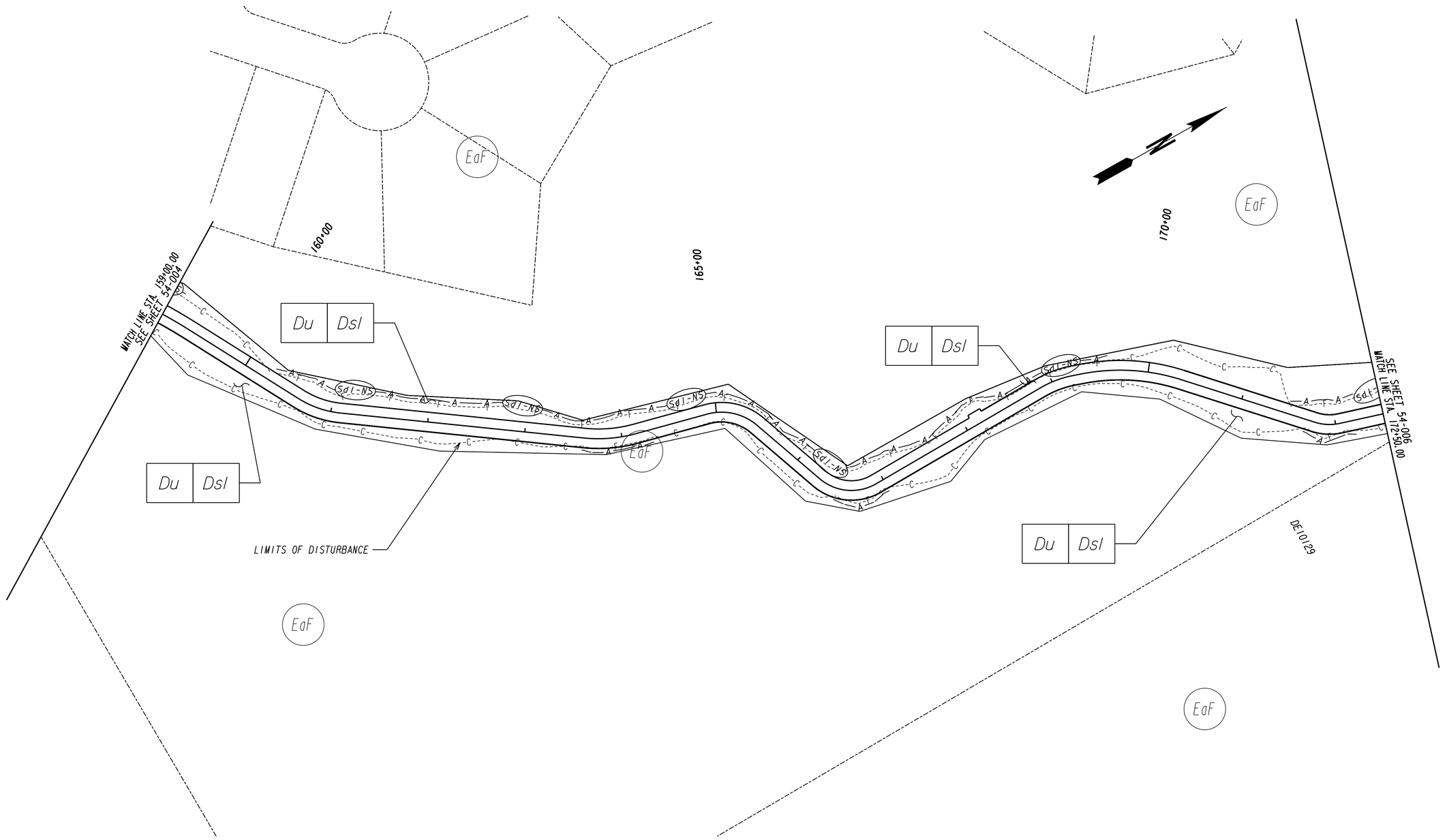
BMP LOCATION DETAILS - PHASE 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-004

02/12/2015 GPLN

2/9/2018 2:36:00 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-005.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	136	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sdl-C	RIP RAP	S1-Rp
ORANGE FENCE		MULCHING	Ds1
INLET SEDIMENT TRAP	Sd2-F	TEMPORARY GRASSING	Ds2
EROSION CONTROL MATTING	Mb	PERMANENT GRASSING	Ds3 Ds4
RIP RAP CHECK DAM	Cd-Rp	DUST CONTROL	Du

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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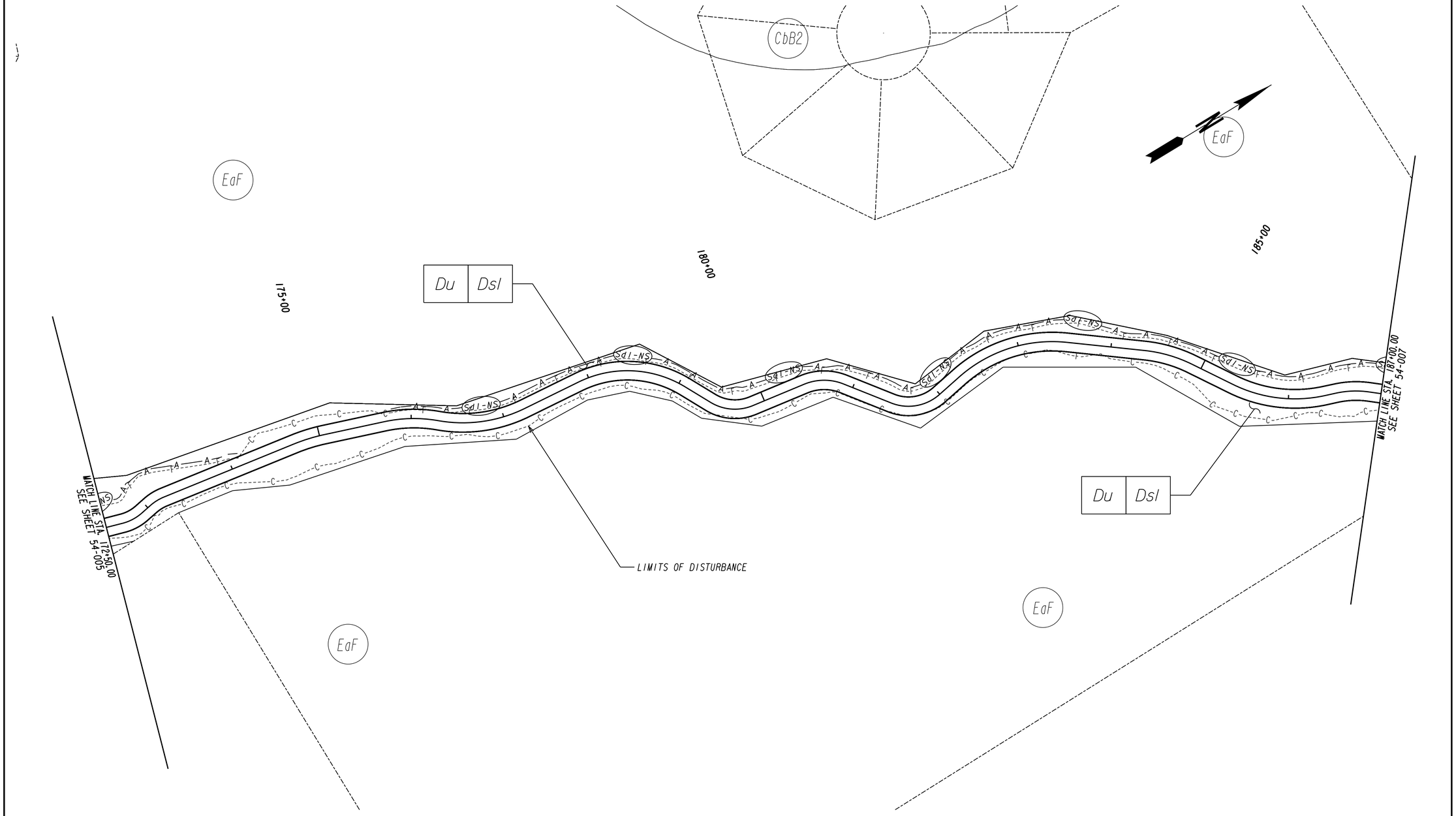
BMP LOCATION DETAILS - PHASE 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-005

02/12/2015 GPLN

2/9/2018 2:36:19 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-006.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	137	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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SCALE IN FEET
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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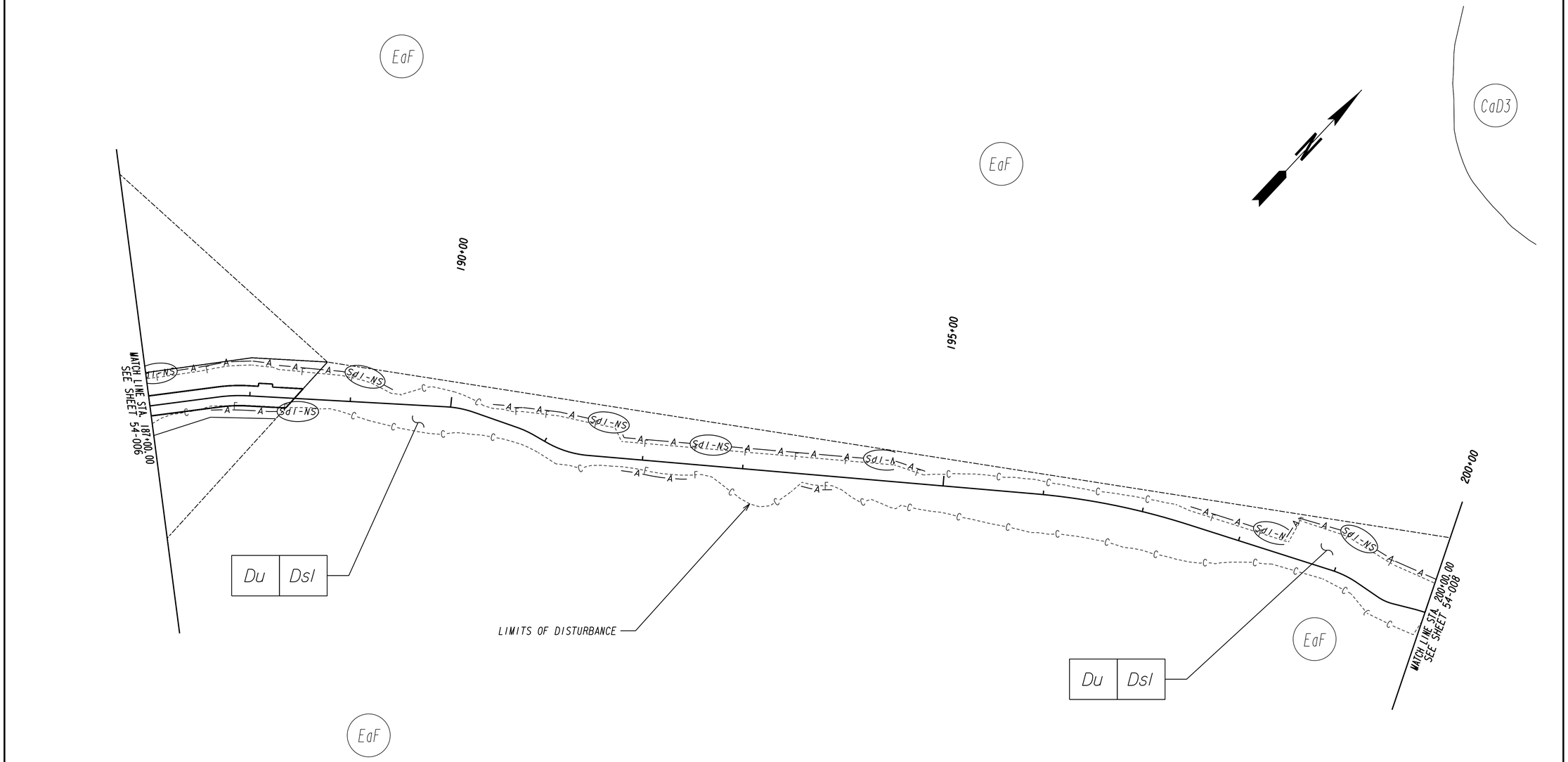
BMP LOCATION DETAILS - PHASE 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-006

02/12/2015 GPLN

2/9/2018	2:36:38 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-007.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V81-PO.tbl		GA	555554	138	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Md
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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SCALE IN FEET
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

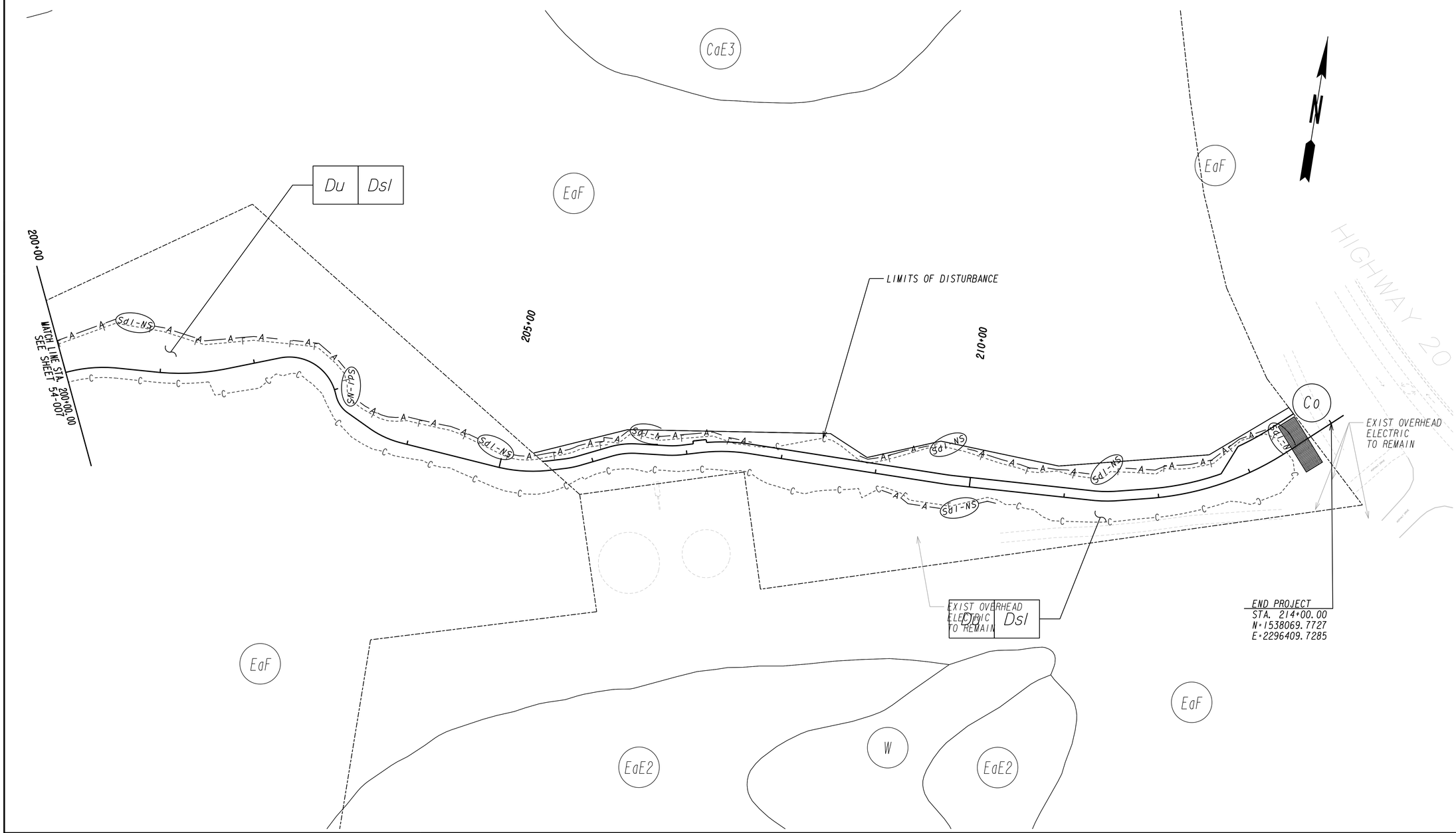
BMP LOCATION DETAILS - PHASE 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-007

02/12/2015 GPLN

2/9/2018 2:36:58 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-008.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	139	156



EROSION CONTROL LEGEND

SILT FENCE TYPE 'C'	Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp

RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3, Ds4
DUST CONTROL	Du

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SCALE IN FEET
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

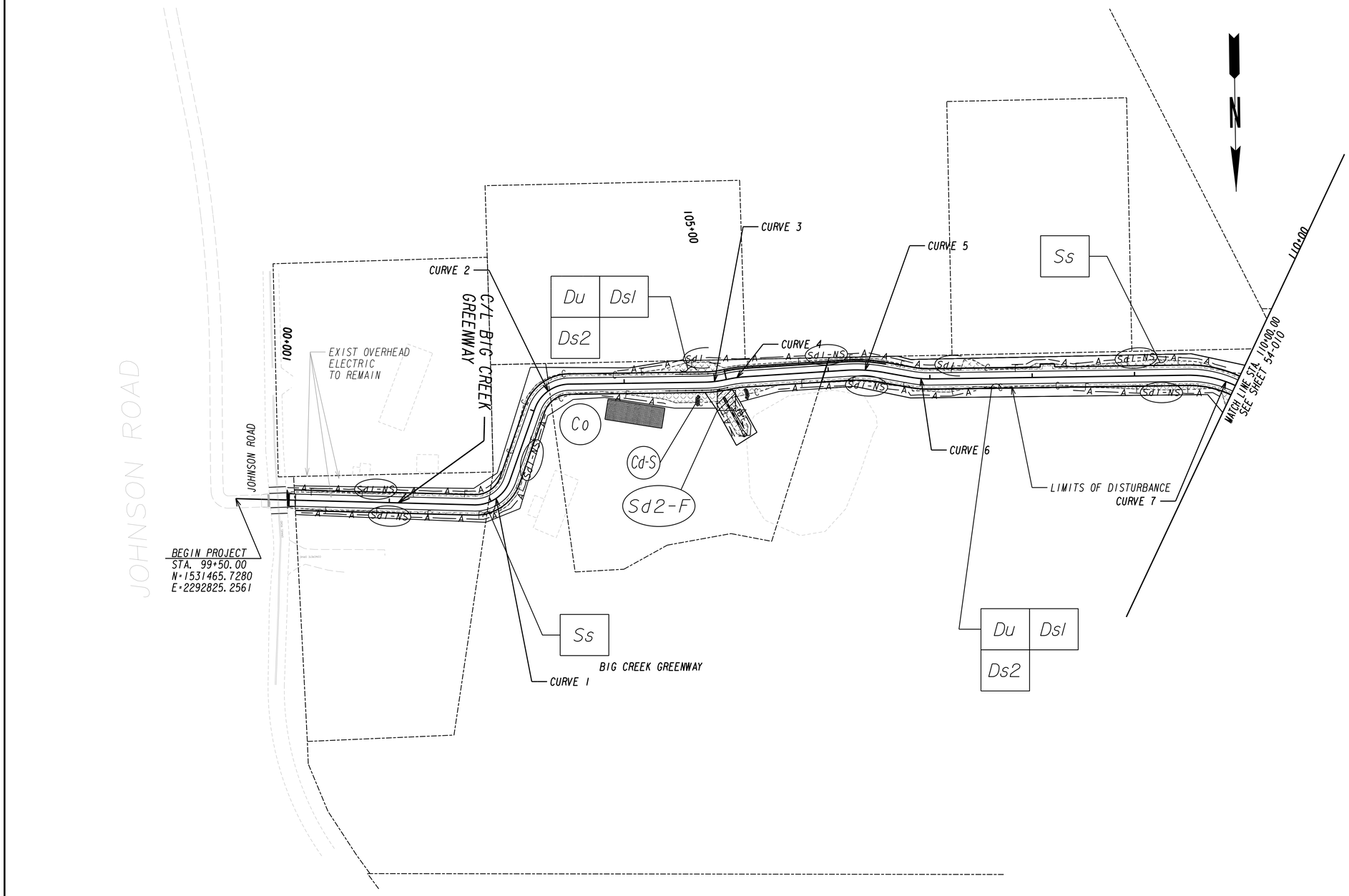
BMP LOCATION DETAILS - PHASE 1

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-008

02/12/2015 GPLN

2/9/2018 4:08:07 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-009.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	140	156



EROSION CONTROL LEGEND

SILT FENCE TYPE 'C'	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

02/12/2015 GPLN

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SCALE IN FEET
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

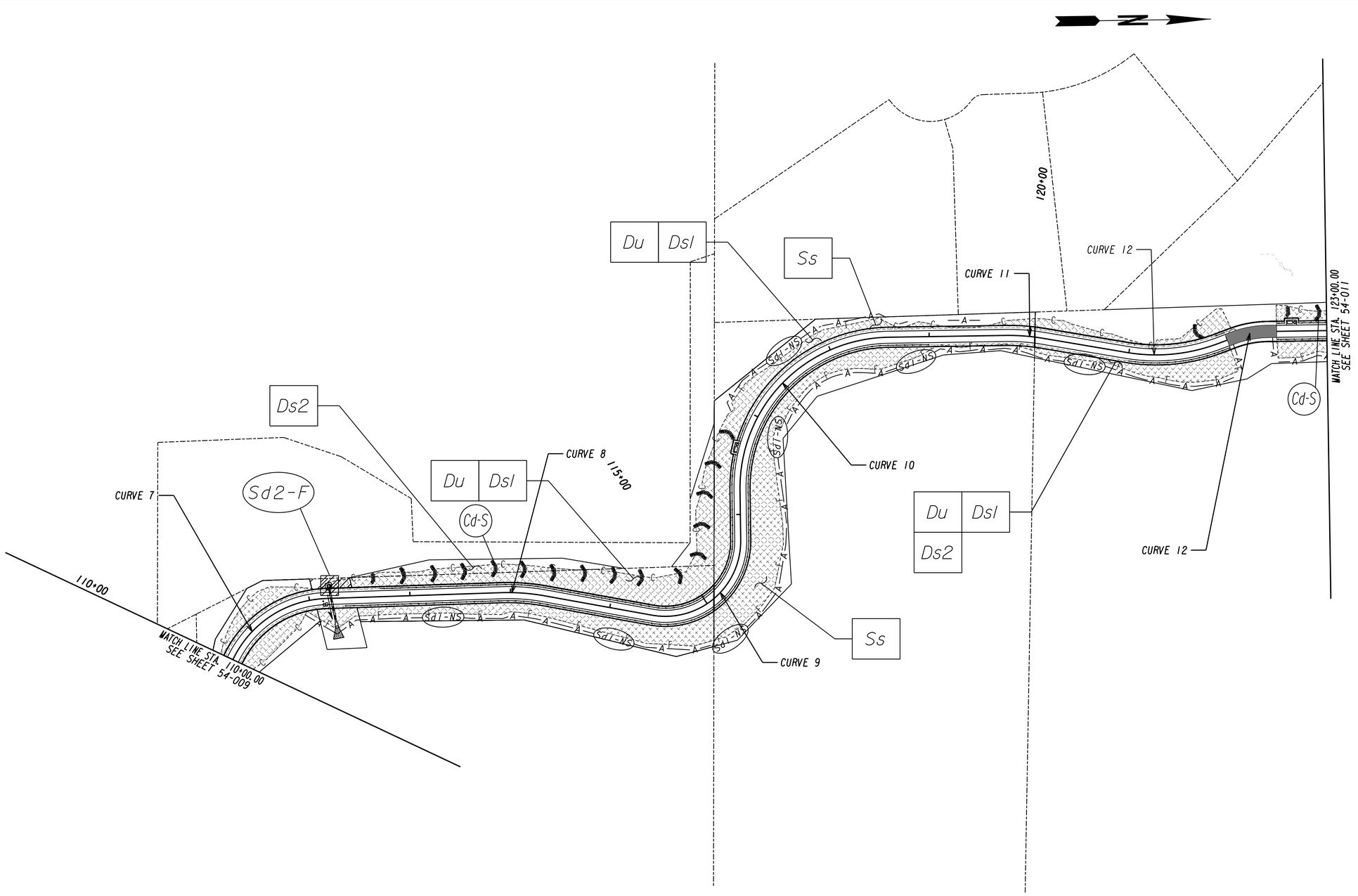
OFFICE:

BMP LOCATION DETAILS - PHASE 2

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-009

2/9/2018 2:37:41 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-010.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	141	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

02/12/2015 GPLN

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REVISION DATES

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BMP LOCATION DETAILS - PHASE 2

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-010

2/9/2018 2:38:02 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-011.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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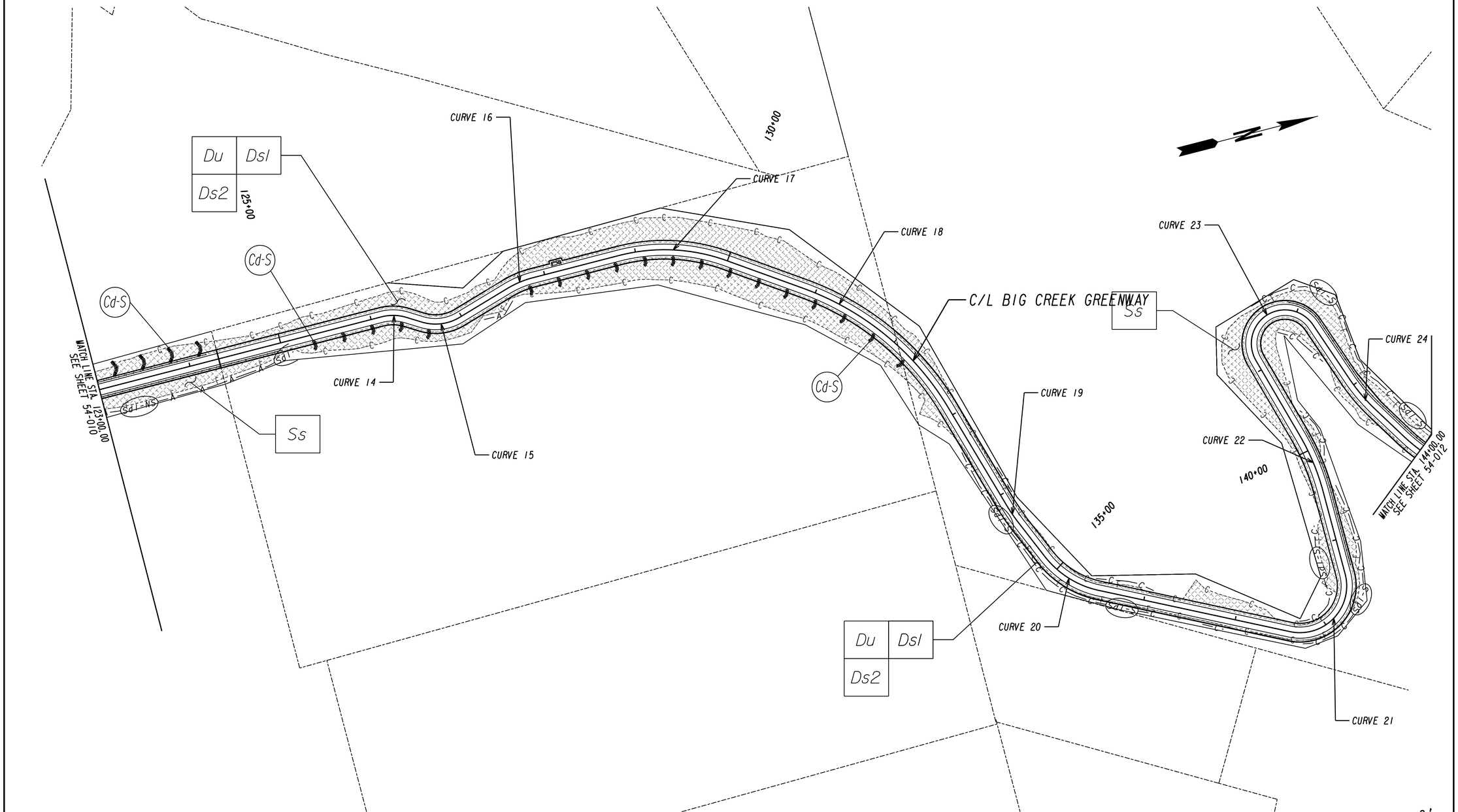

EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C—C—Sd1-C	RIP RAP	S1-Rp
ORANGE FENCE		MULCHING	Ds1
INLET SEDIMENT TRAP	Sd2-F	TEMPORARY GRASSING	Ds2
EROSION CONTROL MATTING	Mb	PERMANENT GRASSING	Ds3 Ds4
RIP RAP CHECK DAM	Cd-Rp	DUST CONTROL	Du

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SCALE IN FEET
0 50 100 200

REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

BMP LOCATION DETAILS - PHASE 2

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-011

02/12/2015 GPLN

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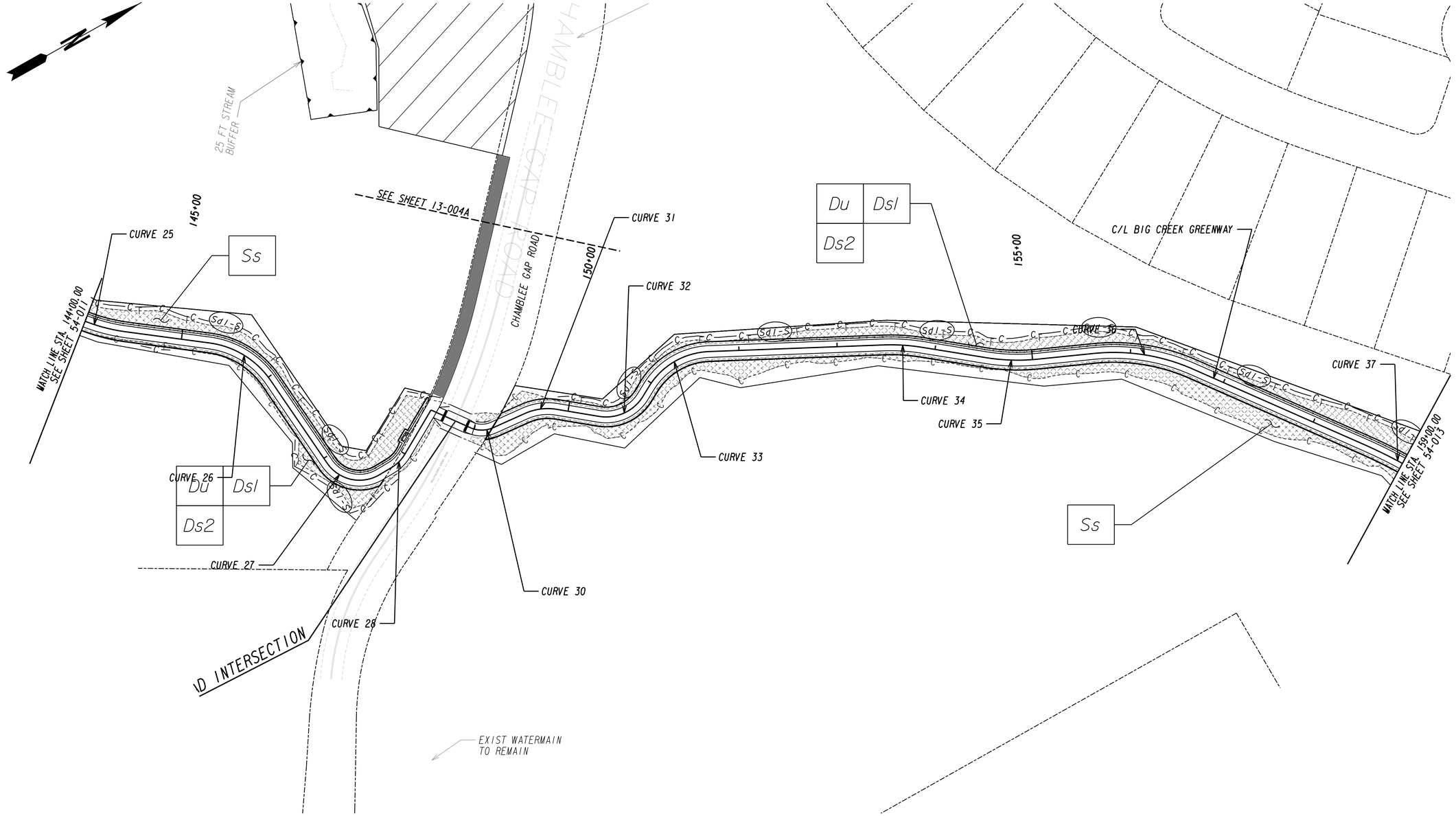

EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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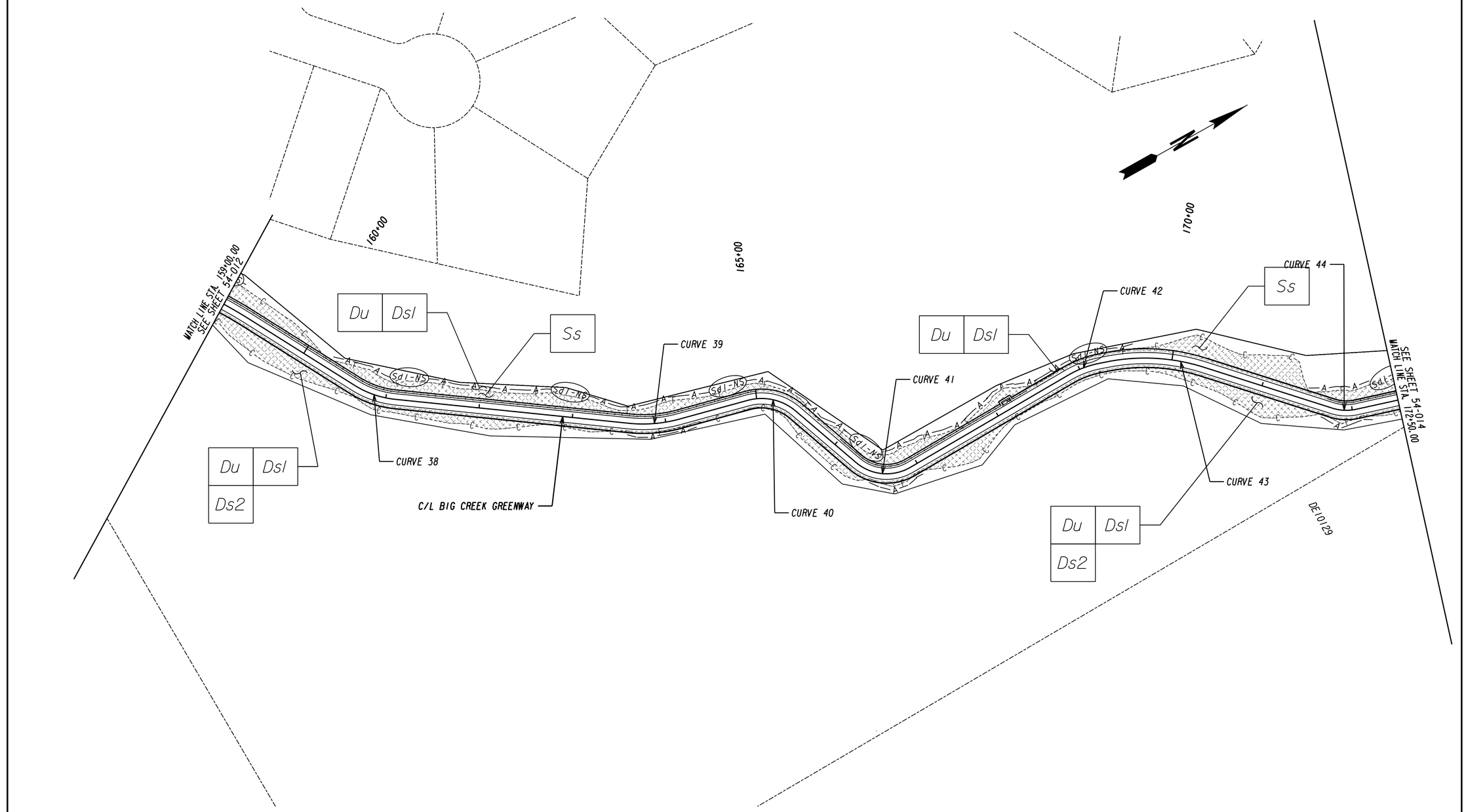
BMP LOCATION DETAILS - PHASE 2

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING NO.
54-012

02/12/2015 GPLN

2/9/2018 2:38:44 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-013.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	555554	144	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

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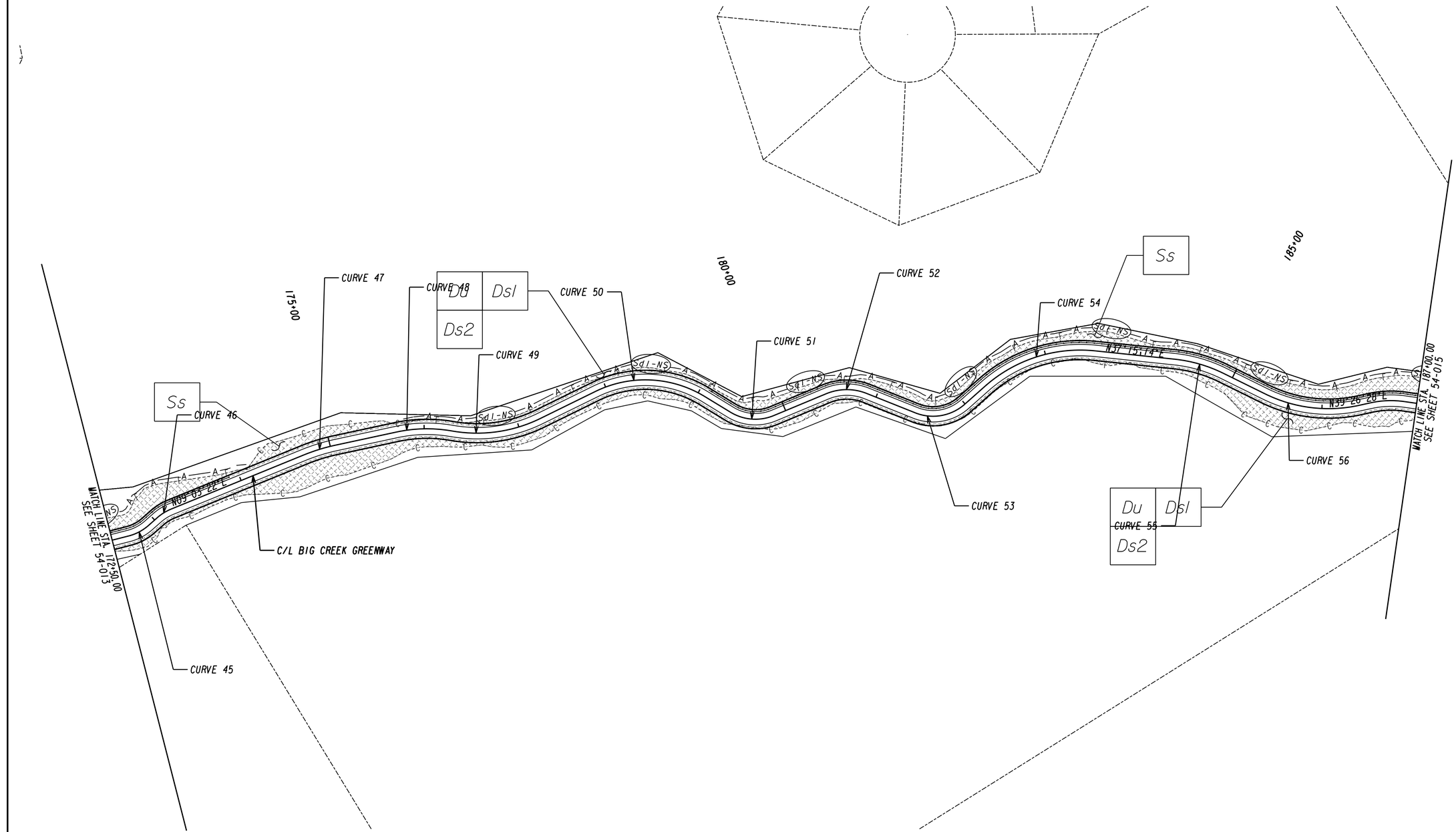
BMP LOCATION DETAILS - PHASE 2

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-013

02/12/2015 GPLN

2/9/2018 2:39:05 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-014.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-P0.tbl		GA	555554	145	156



EROSION CONTROL LEGEND

SILT FENCE TYPE 'C'	C — C — Sdl-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Dsl
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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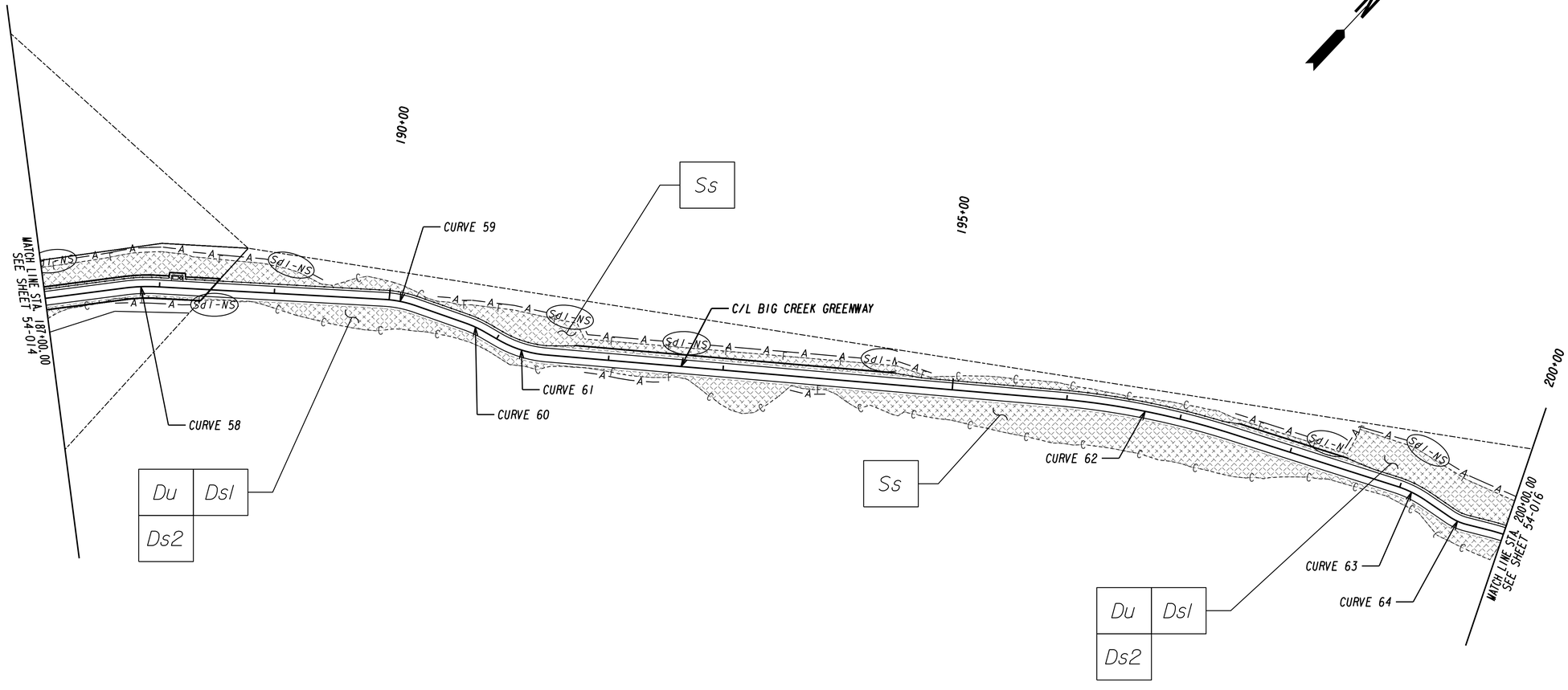
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 54-014

02/12/2015 GPLN

2/9/2018 2:39:26 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-015.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-PO.tbl		GA	555554	146	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	RIP RAP
ORANGE FENCE	MULCHING
INLET SEDIMENT TRAP	TEMPORARY GRASSING
EROSION CONTROL MATTING	PERMANENT GRASSING
RIP RAP CHECK DAM	DUST CONTROL

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REVISION DATES

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BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-015

02/12/2015 GPLN

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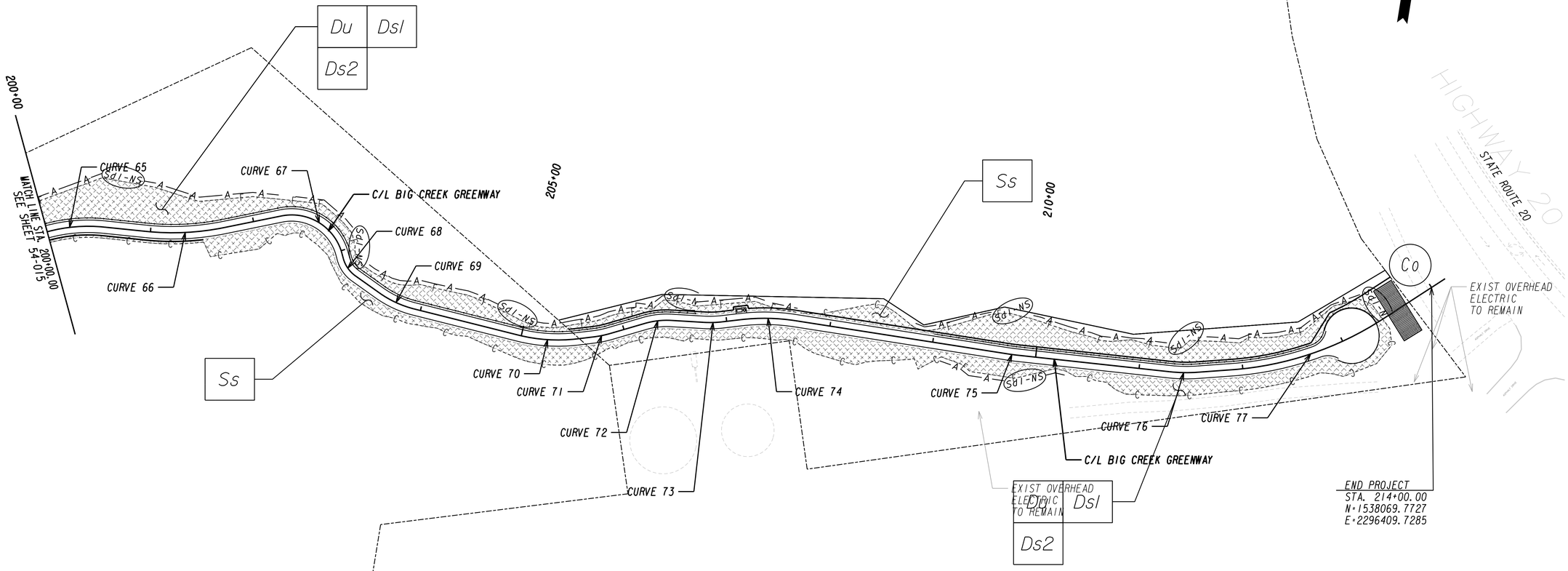

EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

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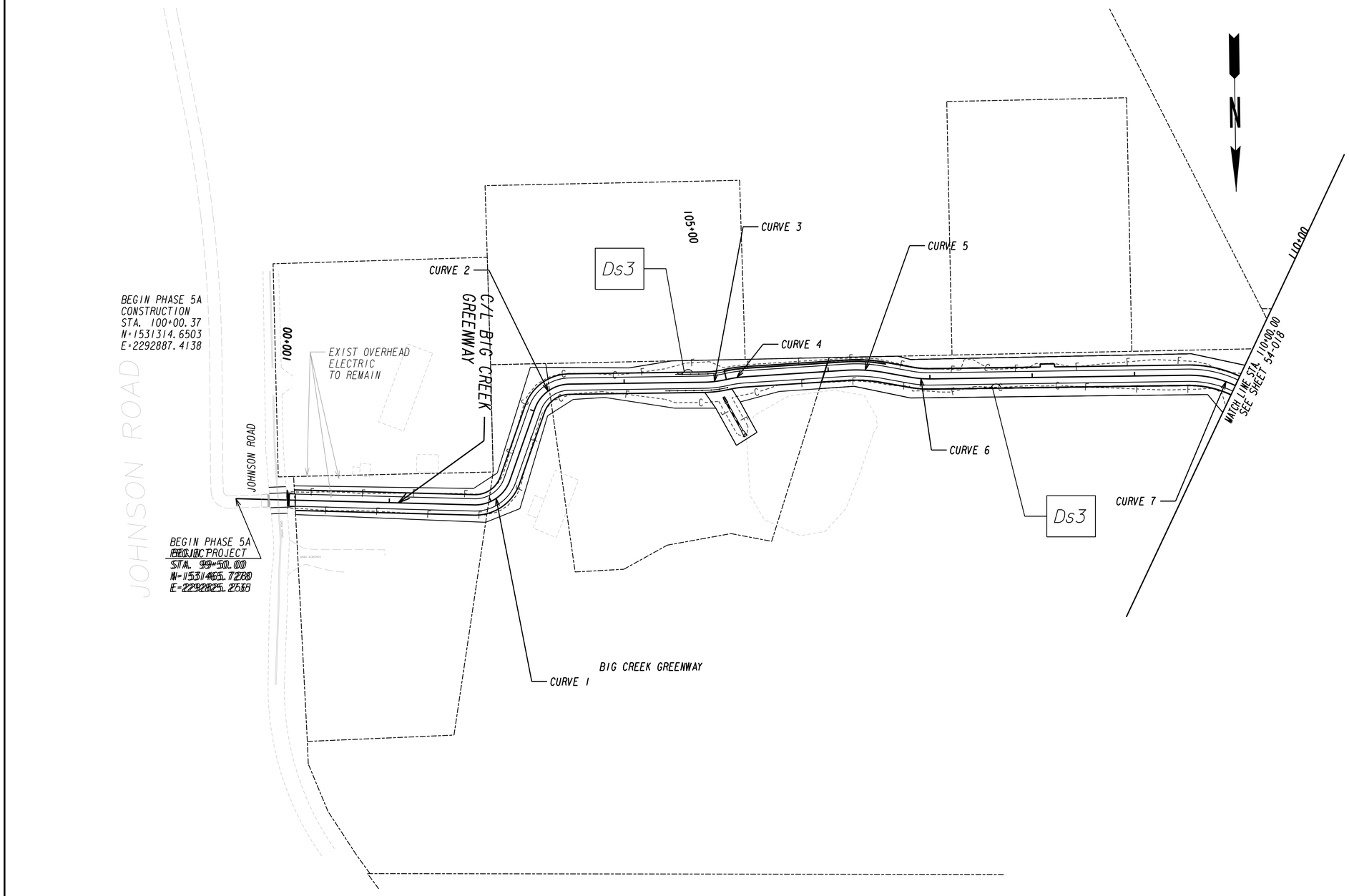
BMP LOCATION DETAILS - PHASE 2

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-016

02/12/2015 GPLN



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	S1-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

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BMP LOCATION DETAILS - PHASE 3

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-017

02/12/2015 GPLN

2/9/2018 2:40:31 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-018.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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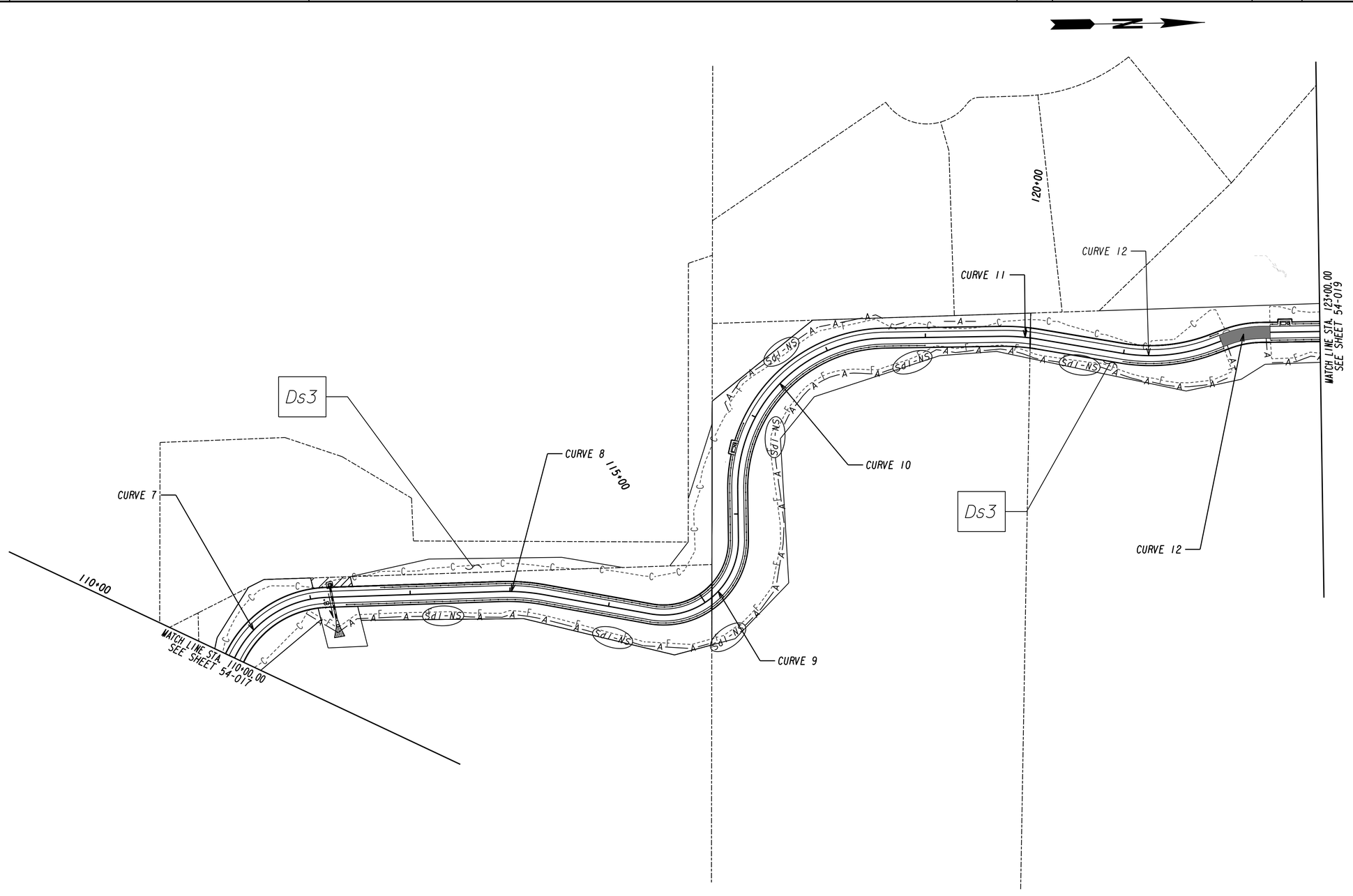

EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	St-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

BMP LOCATION DETAILS - PHASE 3

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-018

02/12/2015 GPLN

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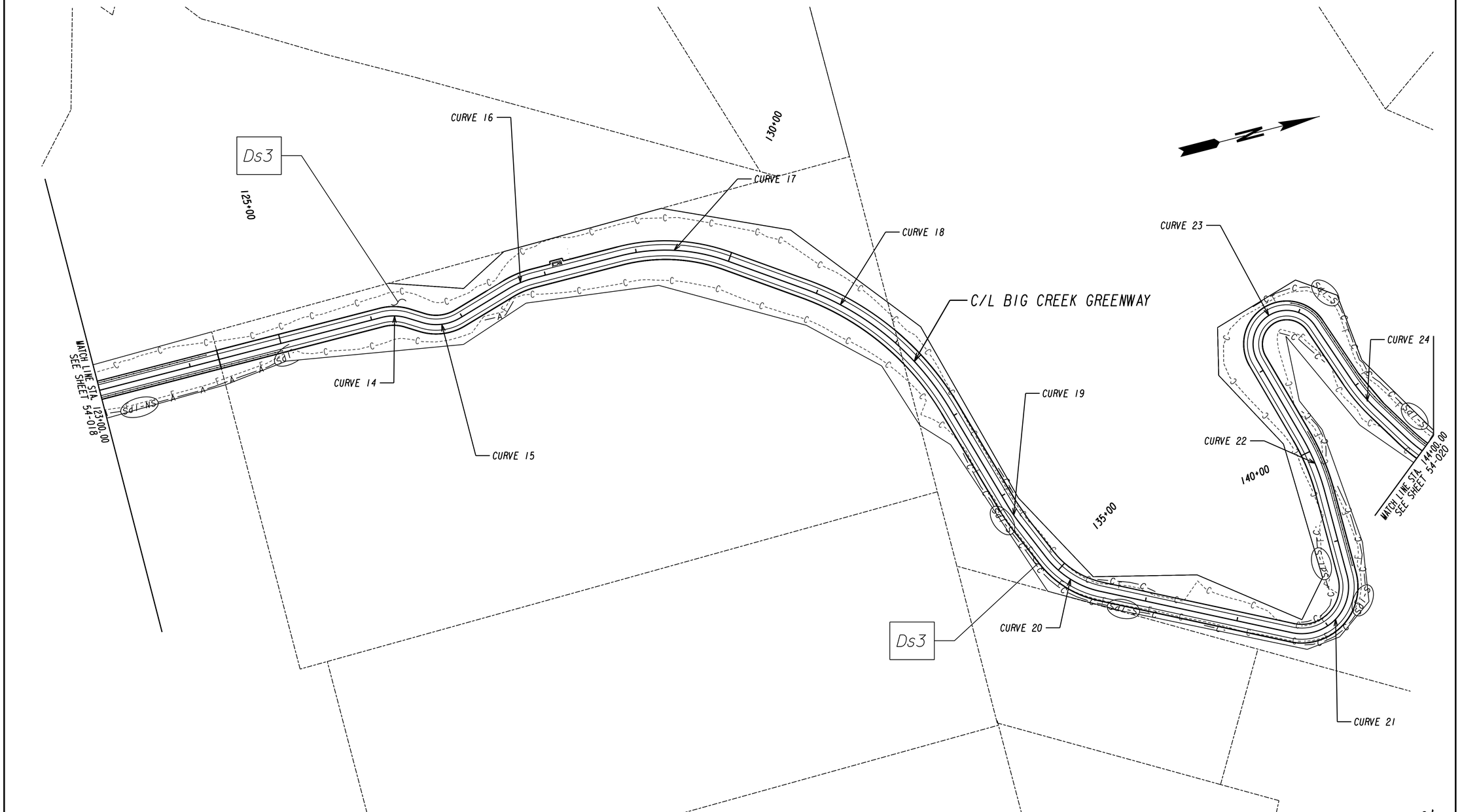

EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C	RIP RAP	S1-Rp
ORANGE FENCE		MULCHING	Ds1
INLET SEDIMENT TRAP	Sd2-F	TEMPORARY GRASSING	Ds2
EROSION CONTROL MATTING	Mb	PERMANENT GRASSING	Ds3 Ds4
RIP RAP CHECK DAM	Cd-Rp	DUST CONTROL	Du

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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

BMP LOCATION DETAILS - PHASE 3

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No. 54-019

02/12/2015 GPLN

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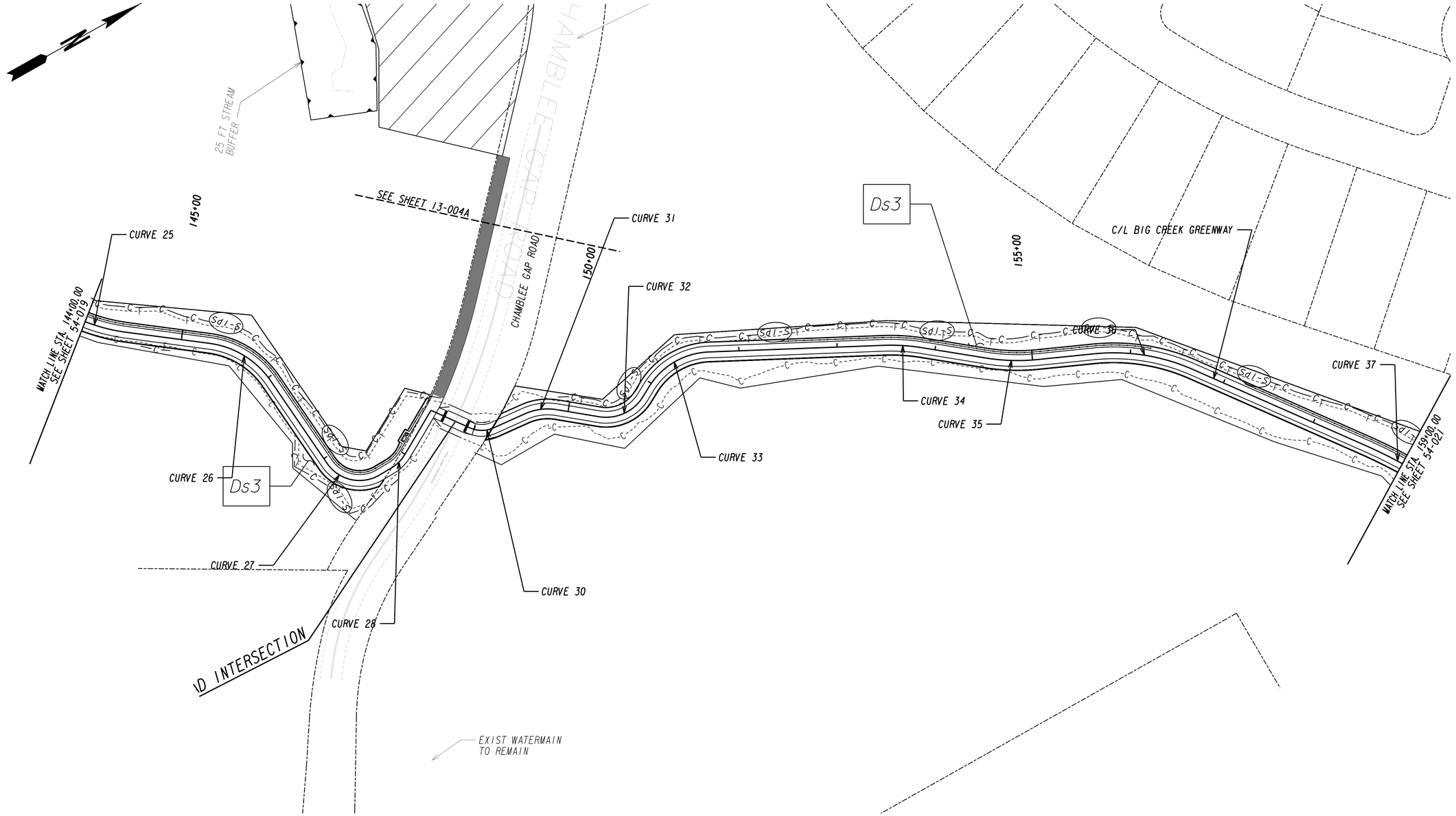

EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	St-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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SCALE IN FEET
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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

BMP LOCATION DETAILS - PHASE 3

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-020

02/12/2015 GPLN

2/9/2018 2:41:37 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-021.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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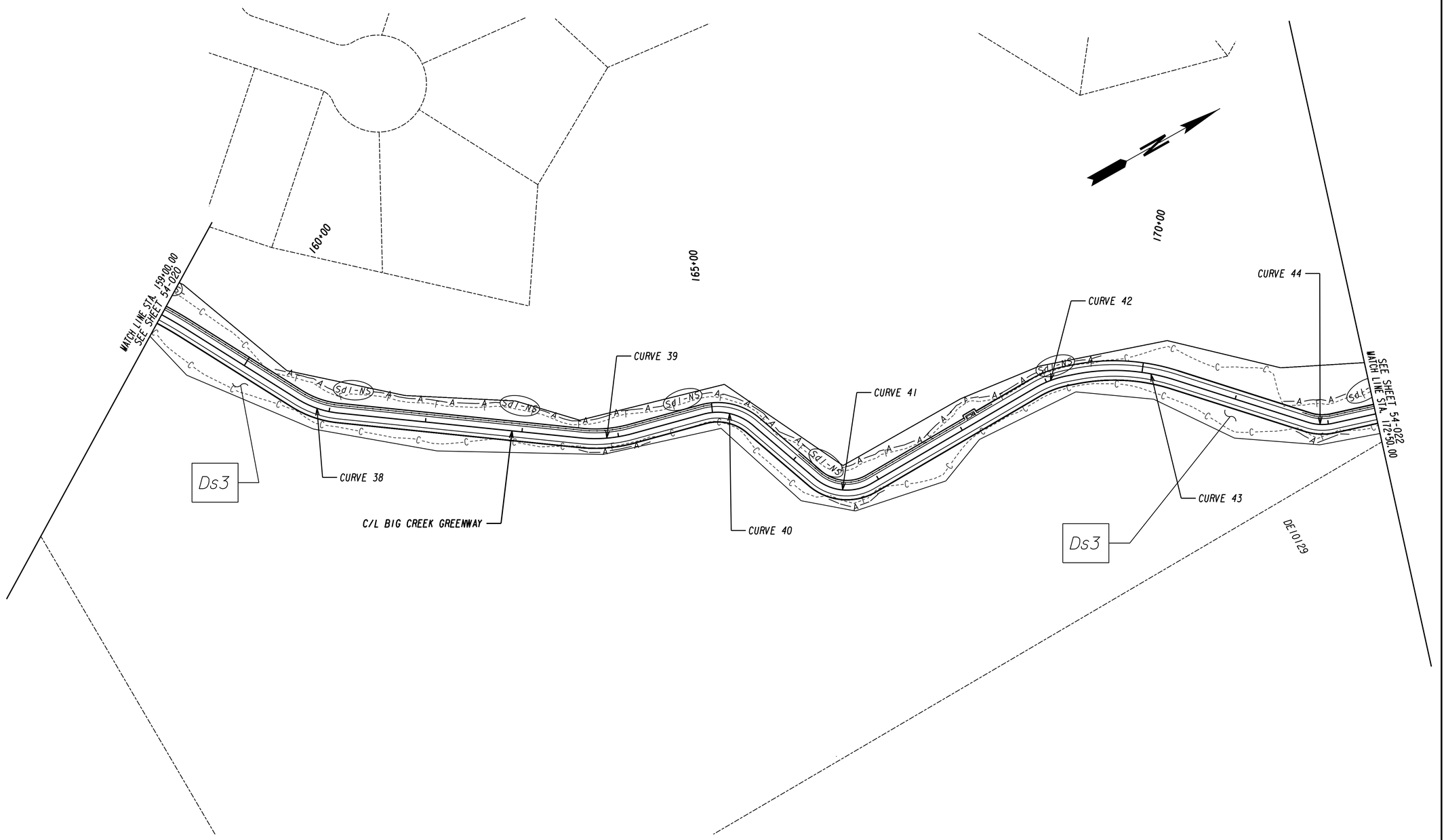

EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sdl-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	Sl-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

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BMP LOCATION DETAILS - PHASE 3

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-021

02/12/2015 GPLN

2/9/2018 2:42:01 PM USER:AbdellaK	GPLOT-V8 gplotborder-V81-P0.tbl	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-022.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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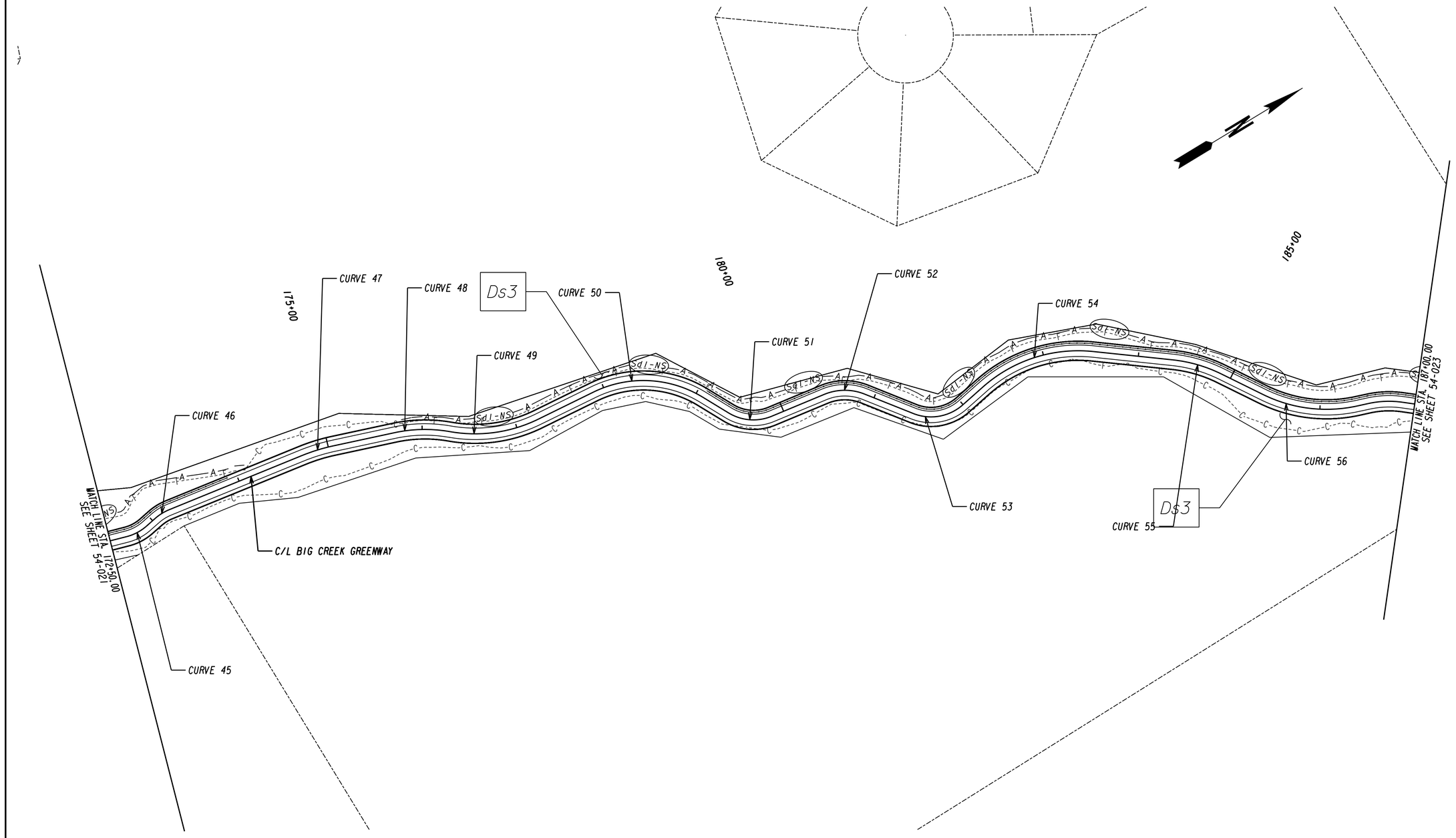

EROSION CONTROL LEGEND

SILT FENCE TYPE 'C'	Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	St-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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REVISION DATES

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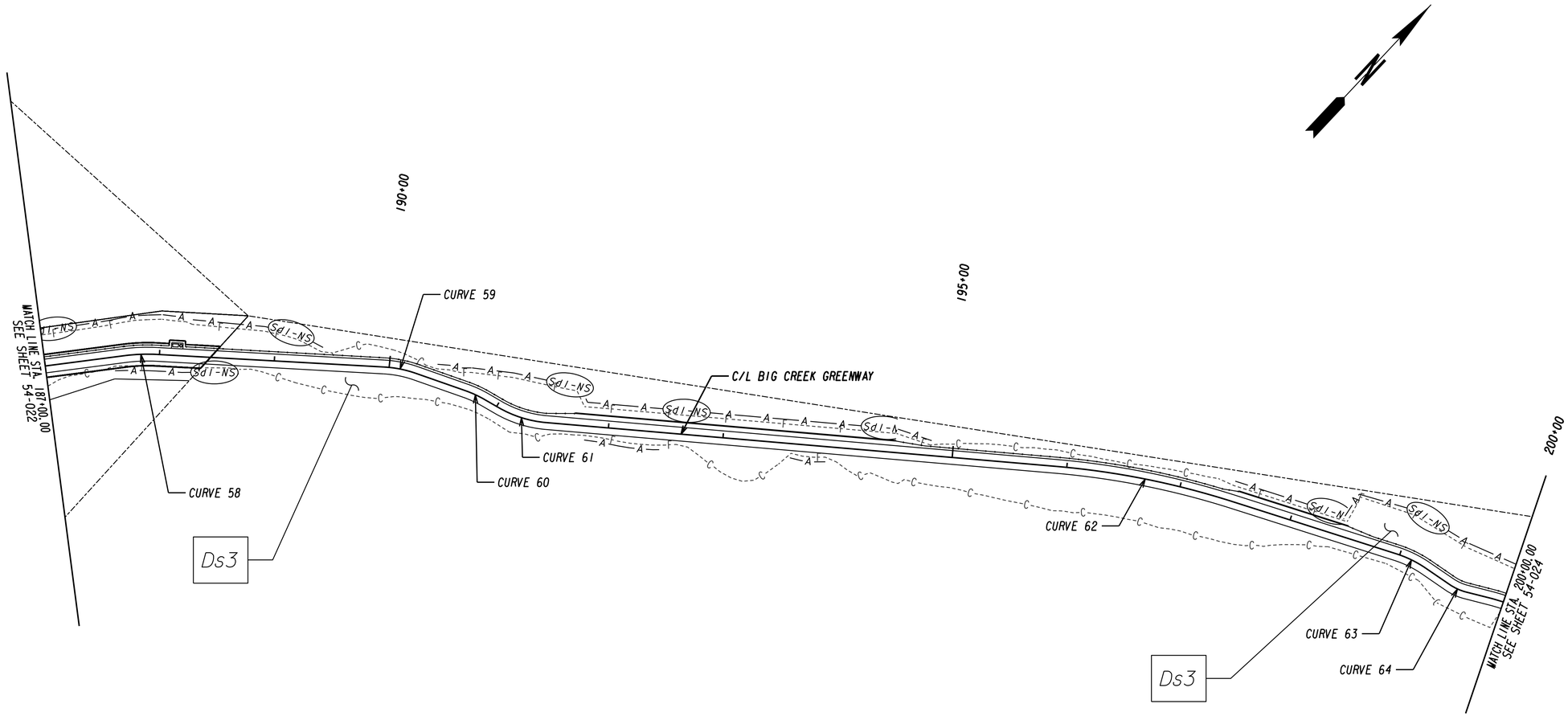
BMP LOCATION DETAILS - PHASE 3

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-022

02/12/2015 GPLN

2/9/2018 2:42:25 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-023.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-PO.tbl		GA	555554	154	156



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"	C — C — Sd1-C
ORANGE FENCE	
INLET SEDIMENT TRAP	Sd2-F
EROSION CONTROL MATTING	Mb
RIP RAP CHECK DAM	Cd-Rp
RIP RAP	St-Rp
MULCHING	Ds1
TEMPORARY GRASSING	Ds2
PERMANENT GRASSING	Ds3 Ds4
DUST CONTROL	Du

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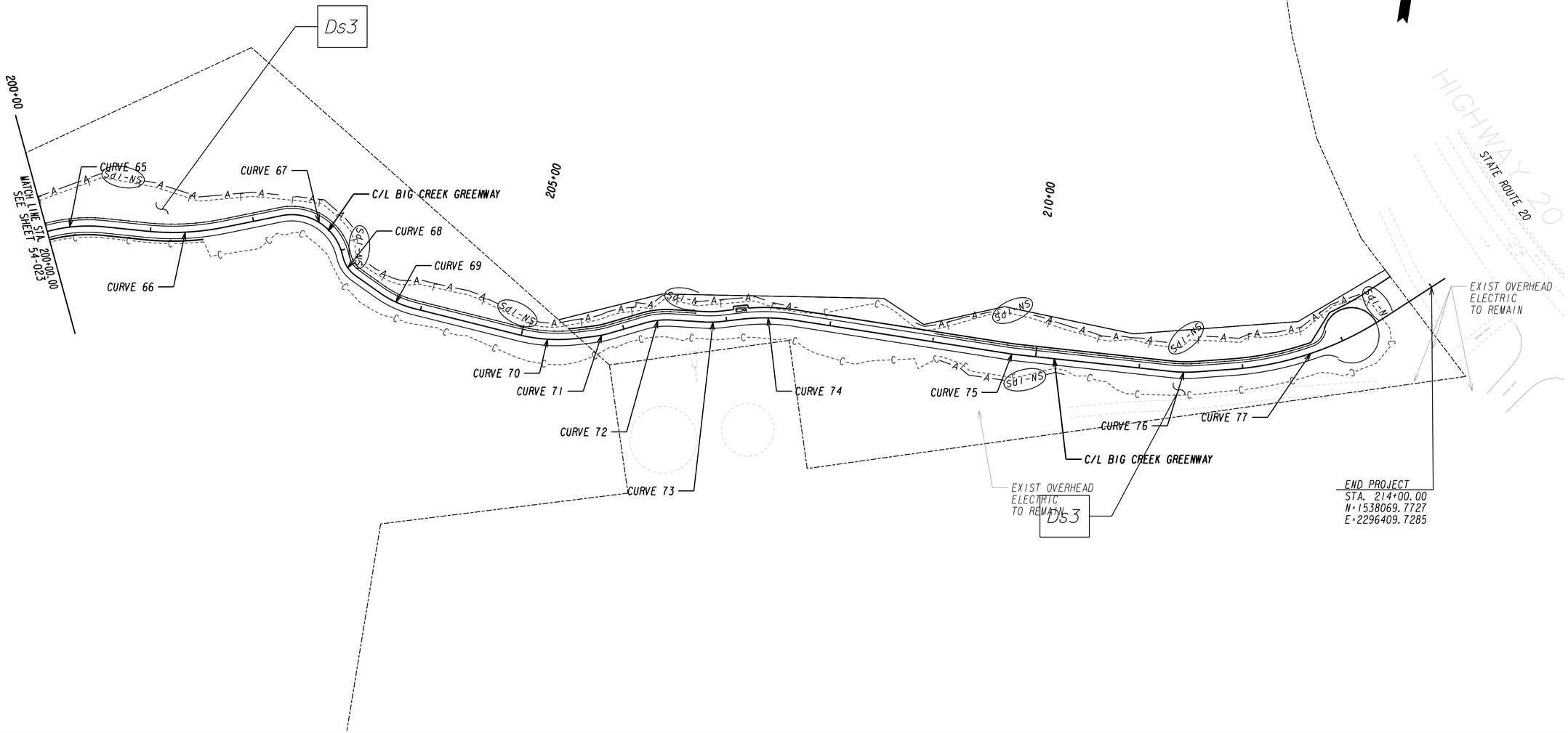
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-023

02/12/2015 GPLN

2/9/2018 2:42:48 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_54-024.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK	gplotborder-V81-PO.tbl		GA	555554	155	156



EROSION CONTROL LEGEND

SILT FENCE TYPE 'C'	Sd1-C	RIP RAP	Sl-Rp
ORANGE FENCE		MULCHING	Ds1
INLET SEDIMENT TRAP	Sd2-F	TEMPORARY GRASSING	Ds2
EROSION CONTROL MATTING	Mb	PERMANENT GRASSING	Ds3 Ds4
RIP RAP CHECK DAM	Cd-Rp	DUST CONTROL	Du

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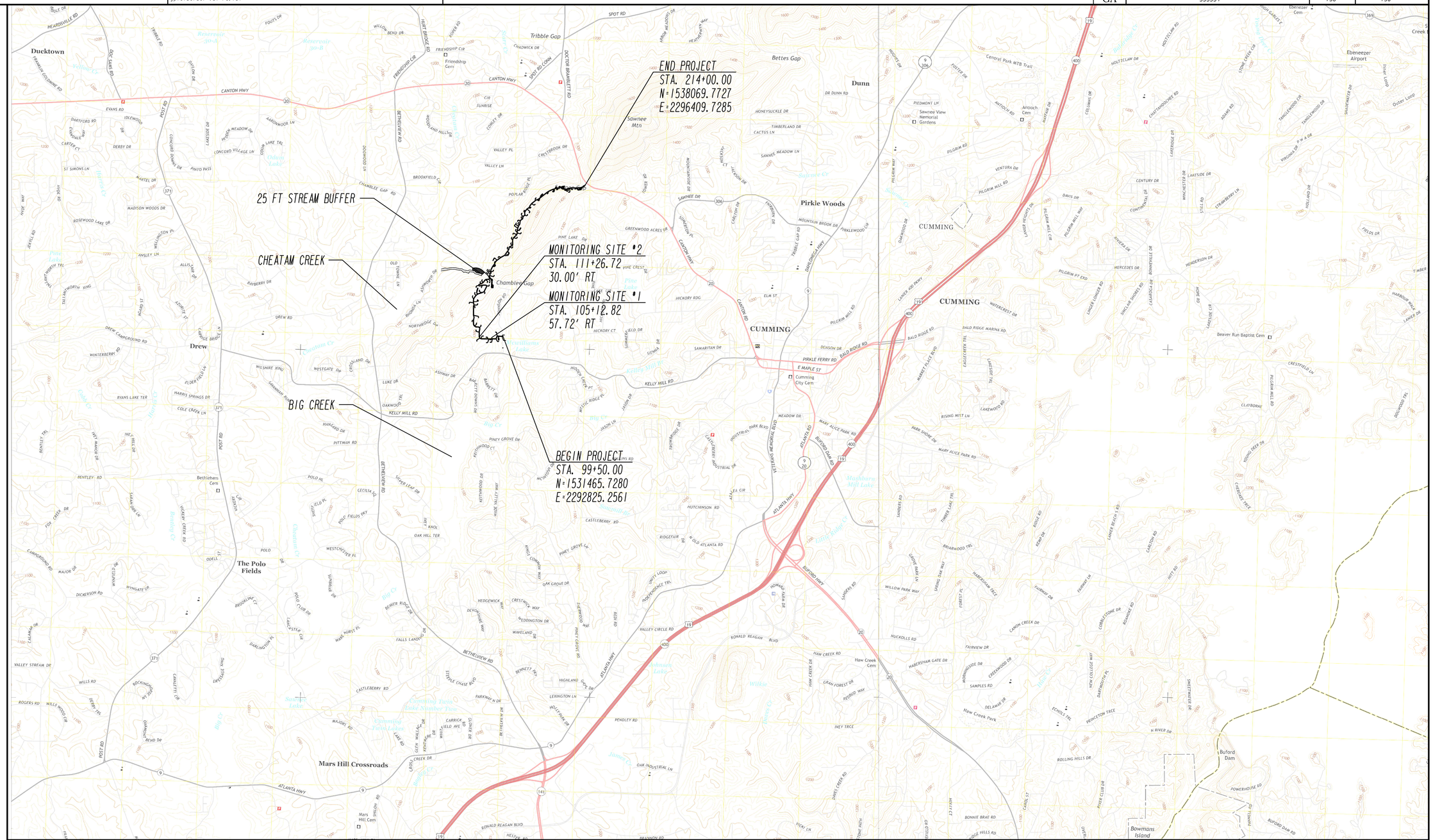
BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
54-024

02/12/2015 GPLN

2/9/2018	2:43:42 PM	GPLOT-V8	M:\FORSYTH_COUNTY\Big Creek Greenway\03 Dgn ph 4 5\Design\DGN\Phase 5 Johnson Rd to SR 20\555554_55-001.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:AbdellaK		gplotborder-V81-P0.tbl		GA	555554	156	156



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REVISION DATES

FORSYTH COUNTY
BOARD OF COMMISSIONERS

OFFICE:

WATERSHED MAP
SITE MONITORING PLAN

BIG CREEK GREENWAY
PHASE 5A EXTENSION

DRAWING No.
55-001

02/12/2015 GPLN