CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE OF PROPOSED
CDBG ROSWELL ROAD SIDEWALKS
FROM LONG ISLAND DRIVE TO STEWART DRIVE
PHASE I
Project No.T-0033-7

LOCATION SKETCH

CITY OF SANDY SPRINGS

MAYOR, RUSTY PAUL
CITY COUNCIL DISTRICT 1: JOHN PAULSON
CITY COUNCIL DISTRICT 2: STEVE SOTERES
CITY COUNCIL DISTRICT 3: CHRIS BURNETT
CITY COUNCIL DISTRICT 4: JODY REICHEL
CITY COUNCIL DISTRICT 5: TIBERIO "TIBBY" DEJULIO
CITY COUNCIL DISTRICT 6: ANDY BAUMAN
PUBLIC WORKS DIRECTOR: GARRIN COLEMAN

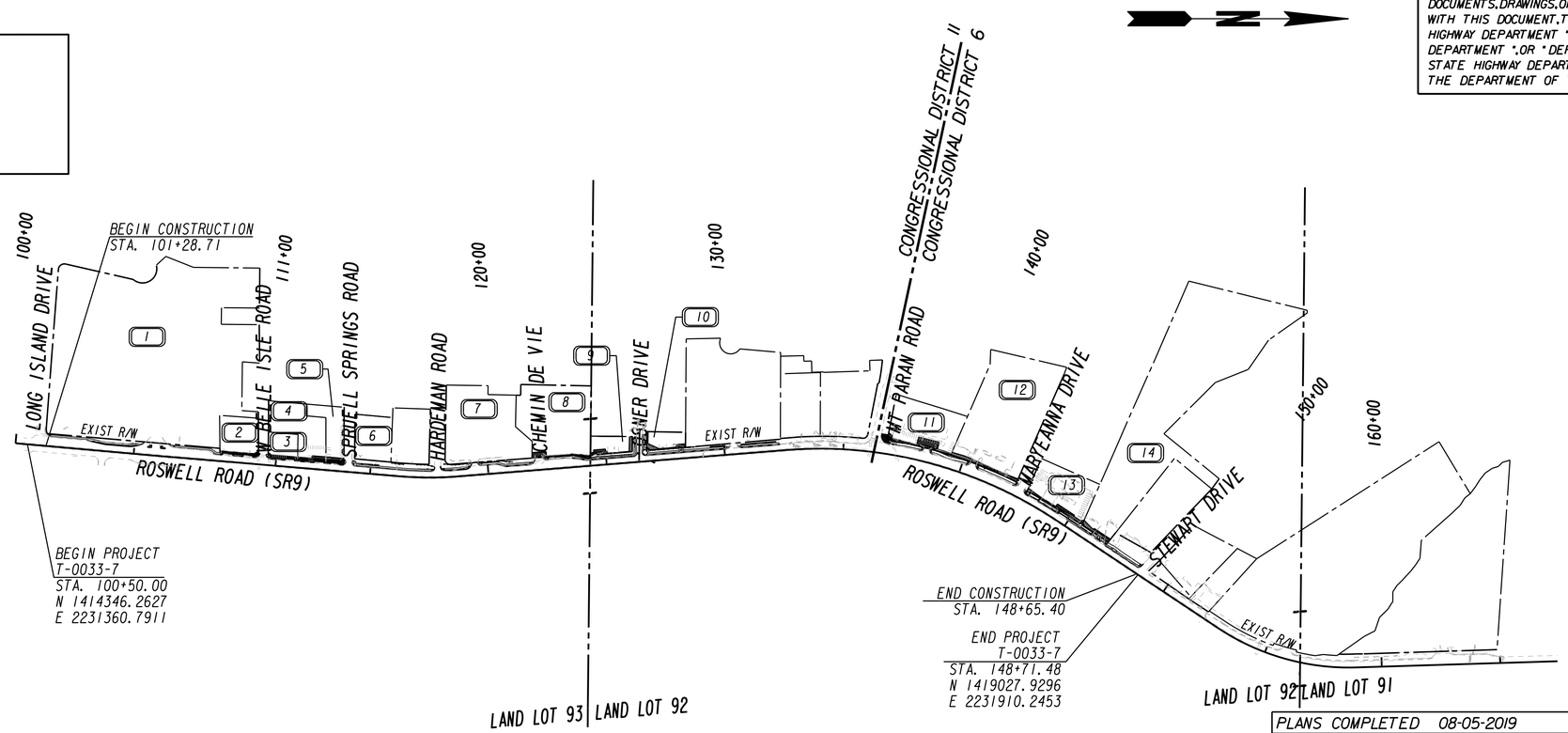
NOTE :
ALL REFERENCES IN THIS DOCUMENT,WHICH INCLUDES ALL PAPERS,WRITINGS, DOCUMENTS,DRAWINGS,OR PHOTOGRAPHS USED,OR TO BE USED IN CONNECTION WITH THIS DOCUMENT,TO "STATE HIGHWAY DEPARTMENT OF GEORGIA ","STATE HIGHWAY DEPARTMENT ","GEORGIA STATE HIGHWAY DEPARTMENT "," HIGHWAY DEPARTMENT ",OR "DEPARTMENT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

THIS PROJECT IS 100% IN FULTON COUNTY AND IS 74% IN CONG.DIST.NO.11 AND 26% IN CONG.DIST.NO.6.

SPEED LIMIT: 35 MPH
SPEED DESIGN: 35 MPH

PROJECT DESIGNATION:
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.

SANDY SPRINGS
GEORGIA

LENGTH OF PROJECT	MILES
NET LENGTH OF ROADWAY	0.913
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.913
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.913

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SCALE IN FEET
0 300 600 1200

GEORGIA REGISTERED PROFESSIONAL ENGINEER
9/5/19
KIMBERLEY TYSON BAKER

PLANS COMPLETED 08-05-2019	
REVISIONS	
10-31-2019	
11-01-2019	
11-14-2019	

DRAWING No.
01-0001

DRAWING NO.	DESCRIPTION
	CONSTRUCTION PLANS AND DETAILS
1-0001	COVER SHEET
2-0001	INDEX OF DRAWINGS
3-0001	REVISION SUMMARY
4-0001 - 4-0003	GENERAL NOTES
5-0001 - 5-0010	TYPICAL SECTIONS
6-0001 - 6-0003	SUMMARY OF QUANTITIES
7-0001	QUANTITIES REQUIRED ON AMENDMENT
8-0001	QUANTITIES REQUIRED ON CONSTRUCTION
13-0001 - 13-0009	MAINLINE PLAN
17-0001 - 17-0003	DRIVEWAY PROFILES
18-0001 - 18-0003	SPECIAL GRADING SHEET
22-0001	DRAINAGE PROFILES
23-0001 - 23-0030	CROSS SECTIONS
24-0000 - 24-0009	UTILITY PLANS
26-0001 - 26-0009	SIGNING AND MARKING PLANS
27-0001 - 27-0004	SIGNAL PLANS
29-0001 - 29-0010	LANDSCAPING PLANS AND DETAILS
31-0001	RETAINING WALL ENVELOPES
38-0001	SPECIAL CONSTRUCTION DETAILS
	EROSION, SEDIMENT, & POLLUTION CONTROL PLANS AND DETAILS (PHASES I AND II)
50-0001	EROSION CONTROL COVER
51-0001 TO 51-0005	EROSION CONTROL GENERAL NOTES
52-0001 TO 52-0007	EROSION CONTROL LEGEND (REVISION DATE 1-13)
53-0001	EROSION CONTROL DRAINAGE AREA MAP
54-0001 TO 54-0013	EROSION CONTROL PLANS
55-0001	EROSION CONTROL WATERSHED MAP
	GEORGIA DEPARTMENT OF TRANSPORTATION EROSION CONTROL CONSTRUCTION DETAILS — REVISION DATE
56-0001	D-19 TEMPORARY PIPE SLOPE DRAIN WITH DRAIN INLET — 1-11
56-0002	D-20 SILT CONTROL GATES FOR STRUCTURES TYPE-1, 2, AND 3 — 1-11
56-0003	D-24A TEMPORARY SILT FENCE — 1-11
56-0004	D-24B TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER — 1-11
56-0005	D-24C TEMPORARY SILT FENCE J-HOOK, INLET SEDIMENT TRAPS — 4-18
56-0006	D-24D TEMPORARY SILT FENCE FABRIC CHECK DAM — 5-08
56-0007	D-35 PERMANENT SOIL REINFORCING MAT
56-0008	D-41 CONSTRUCTION EXIT
DETAIL — REV. DATE	GEORGIA DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAILS (NOT INCLUDED IN PLANS)
A-1 — 7-11	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS
A-2 — 7-11	CONCRETE VALLEY GUTTER AT STREET INTERSECTION, 6" OR 8" CONCRETE VALLEY
	GUTTER AT DRIVE, PLACING PAVEMENT ADJACENT TO GUTTER, ADDITIONAL PAVING
	AT STREET INTERSECTION, 4' CORRUGATED CONCRETE MEDIAN
A-3 — 9-16	CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS
A-4 — 6-09	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT
	REQUIREMENTS
PW-1 — 12-16	PARAPET RETAINING WALL, TYPE P1, P2 AND P3
S-1 — 7-02	TURN-DOWN SIDEWALK WALL
S-2 — 7-02	TURN-UP SIDEWALK WALL
T-01 — 1-00	DETAILS OF SIGN PLATES
T-02 — 3-00	DETAILS FOR TYPICAL FRAMING
T-03A — 7-02	TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL
T-03B — 7-02	DETAILS OF SQUARE TUBE POST (BREAKAWAY SIGN SUPPORT)
T-05A — 1-03	DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2)

DRAWING NO.	DESCRIPTION
DETAIL — REV. DATE	GEORGIA DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAILS (NOT INCLUDED IN PLANS)
T-05B — 1-00	DETAILS OF REGULATORY SIGNS (SHEET 2 OF 2)
T-05C — 1-00	DETAILS OF WARNING SIGNS
T-11A — 9-16	PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY
T-20 — 10-08	TRAFFIC CONTROL PEDESTRIAL ACCESSIBILITY AROUND WORKZONE - SIDEWALK DIVERSION
T-21 — 10-08	TRAFFIC CONTROL PEDESTRIAL ACCESSIBILITY AROUND WORKZONE - SIDEWALK DETOUR
T-22 — 10-08	TRAFFIC CONTROL PEDESTRIAL ACCESSIBILITY AROUND WORKZONE
	- MIDBLOCK CROSSING AND SIDEWALK DETOUR
TS-01 — 4-10	INDUCTIVE-LOOP DETECTOR INSTALLATION
TS-02 — 4-10	PULLBOX ASSEMBLY AND INSTALLATION
TS-03 — 4-10	CABINET BASE DETAIL
TS-03A — 4-10	PEDESTRIAN FACILITIES INSTALLATION DETAILS
TS-04 — 4-10	DETAILS OF METAL TRAFFIC SIGNAL SUPPORT STRUCTURES
TS-06 — 4-10	DETAILS OF STRAIN POLE AND MAST ARM FOUNDATIONS
TS-07 — 4-10	GROUNDING DETAILS FOR TRAFFIC SIGNAL SUPPORT STRUCTURES 1
TS-08 — 4-10	UTILITY CLEARANCE DETAIL
TS-09 — 4-10	STANDARD GUYING DETAILS
TS-10 — 4-10	FIBER OPTIC DETAILS SHEET 1 OF 2
TS-11 — 4-10	FIBER OPTICS DETAILS 2 OF 2
STANDARD — REV. DATE	GEORGIA DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS (NOT INCLUDED IN PLANS)
1030D — 9-01	CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3
1030D — 9-01	CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3
1030D — 9-01	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3
1030P — 9-16	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3
1033D — 8-82	CATCH BASINS FOR USE WITH CURB (6" HT. OR 8" HT.) & GUTTER
1033DP — 9-82	PRECAST CATCH BASINS FOR USE WITH CURB (6" OR 8" HT.) & GUTTER
1034D — 8-82	CATCH BASINS FOR USE WITH CURB (6" OR 8" HT.) & GUTTER (IN SAGS OR LOW POINTS)
1401 — 8-99	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN
	CUT ACROSS EXISTING PAVEMENT)
9003 — 4-06	DETAILS OF MARKERS FEDERAL AID AND STATE RIGHT OF WAY MARKERS
9031L — 9-16	GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, AND TYPICAL PIPE PLUG
9032B — 11-11	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS
9100 — 3-06	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS
9102 — 3-06	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE STANDARDS AND CONSTRUCTION DETAILS AND MAY PURCHASE THEM FROM THE GEORGIA DEPARTMENT OF TRANSPORTATION

SANDY SPRINGS GEORGIA

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31171 KIMBERLEY TYSON BAKER 9/13/19

REVISION DATES		
10/31/2019		
11/01/2019		

INDEX

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 02-0001

DATE	DRAWING NO.	REVISION
10/31/2019	1-0001, 2-0001, 3-0001	UPDATED INDEX FOR SERIES 4, 6, 13, 18, 23, 24, 26, 29, AND 56.
11/01/2019	1-0001, 2-0001, 3-0001	REVISION INFORMATION ADDED
	7-0001, 8-0001	SHEETS ADDED
	29-0001 - 29-0010	REPLACED BURFORD HOLLY WITH INDIAN HAWTHORNE.
11/14/2019	1-0001, 3-0001	REVISION INFORMATION ADDED
	4-0001	UPDATED NOTE 19 TO REMOVE FIRE HYDRANTS
	7-0001	UPDATED HANDRAIL, FENCE, AND SIGNING QUANTITIES
	24-0003 - 24-0006,	
	24-0008	REMOVED ADJUST EX FIRE HYDRANTS TO GRADE
	27-0004	UPDATED SIGN MATERIAL
	38-0001	REMOVED GUARDRAIL DETAIL, UPDATED HANDRAIL HEIGHT TO 3.5'

DATE	DRAWING NO.	REVISION

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31721 KIMBERLEY TYSON BAKER 9/5/19

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REVISION DATES
10/31/2019
11/01/2019
11/14/2019

REVISION SUMMARY

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 03-0001

PROJECT GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION AND THE CITY OF SANDY SPRINGS ORDINANCES.

2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION.

3. ALL UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.

THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

AT&T TELEPHONE	COMCAST CABLE CABLE TELEVISION
GEORGIA POWER COMPANY ELECTRIC	FIBERLIGHT FIBER OPTIC
CITY OF ATLANTA WATER WATER	XO COMMUNICATIONS FIBER OPTIC
FULTON COUNTY WATER AND SEWER SEWER	ZAYO FIBER FIBER OPTIC

4. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS AND SECTION 103-73 OF THE CITY OF SANDY SPRINGS CODE OF ORDINANCES.

5. RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.

6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL. CONCRETE AND ASPHALT REMOVED FROM PROJECT SITE MAY NOT BE PLACED IN FILL LOCATIONS THAT FALL WITHIN EASEMENT AREAS.

7. PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER. CONTRACTOR TO NOTIFY THE CITY REPRESENTATIVE IMMEDIATELY UPON DISCOVERY OF SUCH MATERIAL.

8. STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER.

9. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.

10. ALL EXISTING PIPES AND DRAINAGE STRUCTURES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. REMOVAL OF PIPE SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

11. IN AREAS WHERE NEW PAVEMENT OR PAVEMENT WIDENING IS REQUIRED, SAW CUT OF EXISTING PAVEMENT WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE". REFER TO TABLE 11.9-1 MINIMUM PAVEMENT STANDARDS FOR THE CITY OF SANDY SPRINGS PAVEMENT SECTION.

12. ALL DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL DRIVEWAYS TO BE CONSTRUCTED SHALL BE REPLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE ETC. ANY OTHER DRIVEWAY MATERIAL OR SPECIALIZED DRIVEWAY WILL NOT BE REPLACED IN KIND (I.E. PAVERS) AND WILL BE REPLACED WITH ASPHALT OR CONCRETE. ALL EARTH OR GRAVEL DRIVES SHALL BE PAVED WITH ASPHALT TO THE RIGHT-OF-WAY LIMIT OR TIE-IN POINT. DRIVEWAYS SHALL BE PAVED AS FOLLOWS:

ASPHALTIC DRIVES
RESIDENTIAL - 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE
- 6" GRADED AGGREGATE BASE

COMMERCIAL - 1-1/2" ASPH. CONC. 12.5 SUPERPAVE
- 2" ASPH. CONC. 19MM SUPERPAVE
- 6" GRADED AGGREGATE BASE

CONCRETE DRIVES
RESIDENTIAL - 6" CONCRETE VALLEY GUTTER
- 4" CONCRETE DRIVEWAY

COMMERCIAL - 8" CONCRETE VALLEY GUTTER
- 6" CONCRETE DRIVEWAY

13. PRICE BID FOR TRAFFIC CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, AGGREGATE SURFACE COURSE, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNAGE, PAVEMENT MARKINGS, BARRICADES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, OR AS DIRECTED BY THE ENGINEER.

14. NO SEPARATE PAYMENT WILL BE MADE FOR PAVEMENT, GRADING OR ANY OTHER OPERATIONS REQUIRED FOR DETOUR CONSTRUCTION AND SHALL BE INCLUDED IN PRICE BID FOR "TRAFFIC CONTROL".

15. ALL CUT AND FILL SLOPES SHALL BE GRASSED IMMEDIATELY AFTER SLOPES ARE STABILIZED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, STRAW MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.

16. REPLACEMENT GRASSING SHALL BE SOD UNLESS OTHERWISE DIRECTED BY THE CITY.

17. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.

18. ALL MARTA SIGNS AND STREET FURNITURE (INCLUDING TRASH CANS SHALL BE RESET AND PAYMENT SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

19. ALL WATER VALVES, AND WATER METER SHALL BE ADJUSTED TO GRADE AND PAYMENT SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

20. SPRINKLER SYSTEMS TO BE HANDLED AS FOLLOWS:

CASE 1 - SYSTEMS WITHIN THE CONSTRUCTION LIMITS OWNED BY INDIVIDUALS OR PRIVATE COMPANIES ARE TO BE REMOVED TO THE BACK OF THE CONSTRUCTION LIMITS AND PLUGGED.

CASE 2 - SYSTEMS SHOWN BY THE PLANS TO BE REMOVED AND RELOCATED SHALL BE RELOCATED TO THE BACK OF THE SIDEWALK. COST SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LIFE OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON, YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA. ALL COSTS INCURRED FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS.

22. AN N.O.I. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 3.27 ACRES.

23. CONTRACTOR TO RELOCATE ALL MAILBOXES AND PAYMENT TO BE INCLUDED IN GRADING COMPLETE.

24. CONTRACTOR IS TO CLEAN OUT ALL EXISTING DRAINAGE STRUCTURES AND PAYMENT TO BE INCLUDED IN GRADING COMPLETE.

25. PAYMENT FOR SIGNS REQUIRED FOR EROSION SEDIMENTATION AND POLLUTION CONTROL (ESPCP) SHALL BE INCLUDED IN GRADING COMPLETE.

26. THERE IS NO SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE CITY OF SANDY SPRINGS.

27. DETECTABLE WARNING STRIPS SHALL BE AS APPROVED ON THE GDOT QUALIFIED PRODUCT LIST FOR TERRA COTTA INSTEAD OF STAMPED CONCRETE OR THE YELLOW MATE. DETECTABLE WARNING STRIPS AT ALL WHEEL CHAIR RAMPS SHALL HAVE A RED TINT WITH AT LEAST A 70% CONTRAST TO THE COLOR OF THE CONCRETE RAMP.

28. CONTACT KERRY MISSEL OR JOY KERLEY WITH THE CITY OF SANDY SPRINGS REGARDING THE RIGHT-OF-WAY DEDICATIONS REQUIRED.

29. CONTRACTOR SHALL COORDINATE WITH CITY FOR REMOVAL OF EXISTING AND FINAL INSTALLATION OF ALL TRAFFIC SIGNAL ITEMS. PAYMENT FOR ALL SIGNAL ACTIVITIES AND ASSOCIATED ITEMS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR TRAFFIC CONTROL.

30. CUTTING OF TREE ROOTS SHALL BE PAID FOR UNDER GRADING COMPLETE.

31. ALL WORK TO TIE PROPOSED DRAINAGE STRUCTURES TO EXISTING DRAINAGE SYSTEM SHALL BE PAID FOR UNDER GRADING COMPLETE. THIS INCLUDES BUT IS NOT LIMITED TO REMOVAL OR ADJUSTMENT OF EXISTING GRATES.

32. CUTTING OF TREE LIMBS WITHIN SIDEWALK LIMITS SHALL BE TRIMMED 8' ABOVE THE GRADE OF THE SIDEWALK AND 2' FROM THE BACK OF THE SIDEWALK.

33. FOR PAVEMENT PATCHING, USE THE METHOD DESCRIBED IN GA STD 1401.

34. SIGNAL SHALL REMAIN IN OPERATION DURING CONSTRUCTION. POLES AND ASSOCIATED ITEMS SHALL BE MOVED WITHOUT INTERRUPTION TO THE SIGNAL OPERATION.

SIGNING AND PAVEMENT MARKING GENERAL NOTES

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE SPECIFIC ITEM.

2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD), LATEST EDITION, AND ANY APPLICABLE CITY OF SANDY SPRINGS STANDARDS.

3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.

4. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION AND CITY OF SANDY SPRINGS STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.

5. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER GEORGIA DEPARTMENT OF TRANSPORTATION AND CITY OF SANDY SPRINGS STANDARD DETAILS.

6. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

7. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).

8. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS MOUNTED BEHIND GUARDRAIL SHALL BE 6 FEET FROM THE FACE OF THE GUARDRAIL TO THE NEARER EDGE OF THE SIGN(S).

9. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x 1/2 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE3/8 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.

10. ALL SIGNS SHALL BE ON 5052-H38 FLAT ALUMINUM ALLOY (0.080 GAUGE THICKNESS) WITH ROUNDED CORNERS. ALL SIGNS SHALL MEET OR EXCEED ASTM D 4956 SPECIFICATIONS FOR RETROREFLECTIVITY . SIGN COLORS SHALL BE MATCHED VISUALLY AND BE WITHIN THE COLOR TOLERANCE LIMITS SHOWN ON THE APPROPRIATE HIGHWAY COLOR TOLERANCE CHARTS ISSUED BY THE FHWA UTILIZING THE INSTRUCTIONS THEREON.

11. UNLESS OTHERWISE NOTED, SIGN POSTS SHALL BE 2 INCH SQUARE POSTS SET IN 2.5 INCH SQUARE STUBS. THE POST SHALL BE BLACK WEATHER RESISTANT, RUST INHIBITIVE, HIGH QUALITY POWDER COATED ENAMEL. STANDARD INSTALLATION DEPTH IS 2 FEET. WHERE STREET BLADES (D3'S) ARE SPECIFIED ABOVE STOP SIGNS (R1-1's) THESE BLADES SHALL BE ATTACHED TO THE POST USING VULCAN VS-12 BOLT-THRU CAPS AND CROSSES (OR THEIR EQUIVALENT).

12. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x 1/2 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.

13. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.

14. A 1/2 INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.

15. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL3/8INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

16. TYPE IX (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.

17. TYPE XI (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1A, R5-1B).

18. TYPE XI (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.

19. TYPE XI (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS. ALL REGULATORY SIGNS WITHIN THE SCHOOL ZONE SHALL HAVE TYPE IX (VERY HIGH INTENSITY) REFLECTIVE SHEETING.

20. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS OF THE MUTCD, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM THE CITY OF SANDY SPRINGS.

21. IN RESIDENTIAL AREAS, SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES. THE CORRECT STREET NAME.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/ POSTS/ STUBS/ FOOTINGS/ PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS.

23. ALL R4-7 (KEEP RIGHT) SIGNS SHALL BE INSTALLED 10 FEET FROM THE END (BULLNOSES) OF MEDIANS. PVC PIPE (6 INCH DIAMETER) IS REQUIRED FOR INSTALLING R4-7 SIGN POSTS WHEN MEDIANS ARE CONCRETE OR SOME OTHER IMPERVIOUS SURFACE. PVC PIPE SHALL NOT EXTEND ABOVE MEDIAN SURFACE MORE THAT 4 INCHES.

24. STREET NAME BLADES (D3'S) SHALL BE PROVIDED BY THE CONTRACTOR. ALL D3'S SHALL BE "WHITE ON GREEN", TYPE IX RETROREFLECTIVE SHEETING. NINE INCH D3'S ARE STANDARD, EXCEPT AT SIGNALIZED INTERSECTIONS WHERE 18 INCH D3'S SHALL BE PROVIDED. PRIVATE ROADS SHALL BE "WHITE ON BLUE" TYPE IX RETROREFLECTIVE SHEETING.

24A. 9 INCH D3'S - LETTERS SHALL BE 6 INCH SERIES "C", UPPER AND LOWER CASE, EXCEPT GEOGRAPHIC QUADRANTS WHICH SHALL BE 3 INCH SERIES "C", ALL UPPER CASE. GEOGRAPHIC QUADRANTS SHALL BE LOCATED IN THE UPPER RIGHT HAND CORNER. WHITE BORDERS SHALL BE 1*2 INCH IN WIDTH. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS.

24B. 18 INCH D3'S - LETTERS SHALL BE 8 INCH SERIES "C", UPPER AND LOWER CASE, (NO GEOGRAPHIC QUADRANTS). ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS. WHITE BORDERS SHALL BE 1*2 INCH IN WIDTH.

24C. THE LETTERING ON POST-MOUNTED STEEL NAME SIGNS (D3 SERIES) SHOULD BE COMPOSED OF INITIAL UPPER CASE LETTERS AT LEAST 8 INCHES HIGH AND LOWER CASE LETTERS AT LEAST 6 INCHES HIGH.

24D. OVERHEAD STREET NAME SIGNS (D3 SERIES) SHALL BE ONE-SIDED AND AT LEAST TYPE 9 SHEETING AND INSTALLED BETWEEN TWO SIGNAL HEADS FOR THE APPROACH. THE LETTERING SHOULD BE AT LEAST 300 MM (12 INCHES) UPPER CASE LETTERS WITH 225 MM (9 INCHES) LOWER CASE LETTERS. THE FONT SHOULD BE FHWA STANDARD HIGHWAY SERIES E(M). A WHITE BORDER SHOULD BE INCLUDED AROUND AND TO THE EDGE OF THE SIGN.

25. ALL SIGNAL AHEAD (W3-3) CROSS ROAD (W2-1) AND SIDE ROAD (W2-2) SIGNS SHALL HAVE ADVISORY NAME BLADES INSTALLED ABOVE THE WARNING SIGN ADVISING MOTORISTS OF THE NAME OF APPROACHING STREET(S). ADVISORY NAME BLADES SHALL BE 6 INCH BY 24-36 INCH, BLACK ON YELLOW. ALL LETTERING SHALL BE 4 INCH SERIES "C", UPPER AND LOWER CASE. AT LOCATIONS WHERE STREETS CHANGE NAMES 4 INCH ARROWS SHALL BE PROVIDED ON THE ADVISORY BLADES TO INDICATE THE CORRECT STREET NAME.

26. PAVEMENT MARKINGS ON CONCRETE SURFACES SHALL BE PREFORMED THERMOPLASTIC.

27. PLANS SHALL INCLUDE SHEET(S) DETAILING FABRICATION SPECIFICATIONS FOR ALL REQUIRED ADVISORY NAME BLADES AND D3'S.

28. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING TRAFFIC CONTROL SIGNS THROUGHOUT CONSTRUCTION. THIS INCLUDES CLEANING AND REPLACEMENT OF EXISTING SIGNS SHOULD THESE SIGNS NEED CLEANING, REPAIR OR REPLACEMENT DURING CONSTRUCTION.

29. PAYMENT FOR EXISTING SIGN REMOVAL AND RESET SHOULD BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL.

30. THE CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

CITY OF SANDY SPRINGS UTILITY LOCATION STANDARD

UTILITY LOCATIONS

UTILITY	WEST	EAST	ALL SIDES	DIST. OFF CENTERLINE
WATER	YES			30'
GAS		YES		11'
TELEPHONE	YES			27'
POWER			YES	30' - 40'
TV CABLE			YES	37'
FIBER			YES	3' - 20'
SEWER			YES	6' - 25'

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

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31777 KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES		
11/14/2019		

GENERAL NOTES
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		04-0001
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CITY OF SANDY SPRINGS GENERAL NOTES

1. NEW PAVEMENT IS REQUIRED ACROSS ALL PROPERTY FRONTAGES, TO BE INSTALLED PER SANDY SPRINGS STANDARD DETAILS OR AS DIRECTED BY SANDY SPRINGS TRAFFIC ENGINEER.
2. ALL TRAFFIC CONTROL AND WARNING DEVICES MUST BE SHOWN AND PLACED PER MUTCD. THE TRAFFIC CONTROL PLAN IS SUBJECT TO CHANGE BY THE SANDY SPRINGS TRAFFIC ENGINEER.
3. TEMPORARY TRAFFIC CONTROL AND WARNING DEVICES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF ANY ROAD IMPROVEMENT WORK ON CITY ROADS AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL SIGNING AND STRIPING WORK.
4. ALL SIGNS SHALL CONFORM TO THE MUTCD STANDARDS AND SANDY SPRINGS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.
5. STRIPING (WHITE AND YELLOW) AND ARROW MARKING SHALL BE APPLIED USING GDOT STANDARDS FOR THERMOPLASTIC STRIPING.
6. WHEN NECESSARY, EXISTING STRIPING SHALL BE REMOVED BY GRINDING, UNLESS SPECIFIED BY THE SANDY SPRINGS TRAFFIC ENGINEER.
7. ALL FINAL SIGNAGE MUST BE INSTALLED CONCURRENTLY WITH THE PERFORMANCE OF THE STRIPING WORK.
8. CONTACT THE SANDY SPRINGS TRAFFIC ENGINEER (770-730-5600) ONE WEEK PRIOR TO COMMENCEMENT OF ANY STRIPING WORK.
9. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE AS-BUILT STATUS OF DOWNSTREAM DRAINAGE IMPROVEMENTS PRIOR TO BEGINNING CONSTRUCTION AND ADVISE THE ENGINEER OF ANY DIFFERENCES NOTED BETWEEN FIELD CONDITIONS AND WHAT IS DEPICTED IN THE CONSTRUCTION DOCUMENTS.
10. If any crosswalks or pavement striping is to be placed on concrete versus asphalt, it shall be preformed plastic.

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SANDY SPRINGS™
GEORGIA

DESIGN MODIFICATION APPROVAL FORM

Date:	July 18, 2019
To:	John McDonough, City of Sandy Springs City Manager
Project Number #	T-0033-7
Project Name	CDBG Roswell Rd Sidewalks Phase I
Project Manager	Gus Yazdani

Design Deviations

As part of the Concept Plan Review for the CDBG Roswell Rd Sidewalk Project, the city's design consultant, Michael Baker, received the following comments from Community Development and request the following design deviations:

1. 10' street tree planting zone
   a. Due to lack of available right-of-way, 10' street tree planting zone cannot be provided without requiring additional right-of-way from commercial properties. Additional right-of-way would impact a gas station canopy, parking spaces, and signs of businesses.
2. 5' reserved bike facility
   a. Due to lack of available right-of-way, 5' reserved bike facility cannot be provided from the beginning of the project to Mt Paran Rd without requiring additional right-of-way from commercial properties.
   b. From Mt Paran Rd to the end of the project, a 10' wide multi-use path is provided for bike and pedestrian use.
3. 9' sidewalk
   a. Due to lack of available right-of-way, 9' sidewalk cannot be provided from the beginning of the project to Mt Paran Rd without requiring additional right-of-way from commercial properties. Additional right-of-way would impact a gas station canopy and parking of businesses. 6' minimum sidewalk is provided.
   b. From Mt Paran Rd to the end of the project, a 10' wide multi-use path is provided.
4. 1' maintenance strip
   a. In order to tie to existing parking lot, 1' maintenance strip behind sidewalk cannot be provided in front of Parcels 2, 3, 4, and 5.

Name John McDonough

Signature DocuSigned by: John McDonough 7/25/2019

Date

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".
2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
3. ALL SIGNS SHALL HAVE TYPE IX RETROREFLECTIVE SHEETING UNLESS OTHERWISE NOTED.
4. IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
5. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED AND STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES.
6. EXISTING PAVEMENT MARKINGS THAT CONFLICT AS DETERMINED BY THE ENGINEER SHALL BE OBLITERATED BY THE CONTRACTOR ("BLACK OUT PAINT" PROHIBITED).
7. ONLY REFLECTORIZED PLASTIC DRUMS AND TEMPORARY CONCRETE BARRIERS SHALL BE USED ADJACENT TO TRAVEL LANES PLACED A MINIMUM OF 2 FEET FROM THE EDGE OF THE TRAVEL LANES UNLESS PRIOR APPROVAL IS GRANTED BY THE CITY OF SANDY SPRINGS. TYPE I AND II BARRICADES AND CONES SHALL NOT BE USED.
8. REFLECTORIZED DRUMS SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. MAXIMUM SPACING EQUALS THE DESIGN SPEED LIMIT FOR THE TAPER.
9. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS NOT TO INTERFERE WITH SIGHT DISTANCES ALONG ANY ADJACENT SIDE ROAD OR DRIVEWAY.
10. THE CITY OF SANDY SPRINGS RESERVES THE RIGHT TO MODIFY THIS MAINTENANCE OF TRAFFIC PLAN AS FIELD CONDITIONS WARRANT. IF ADDITIONAL TRAFFIC CONTROL DEVICES ARE REQUIRED, THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY.
11. THE CONTRACTOR MUST OBTAIN A ROAD CLOSURE PERMIT FROM THE CITY OF SANDY SPRINGS A MINIMUM OF 3 WEEKS PRIOR TO ROAD CLOSURE.
12. ALL W4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.
13. INFORMATION SIGNS, INFORMING MOTORISTS OF THE ROAD CLOSURE SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO THE ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE ROAD CLOSURE (SEE SPECIFICATIONS BELOW):

    (ROAD NAME) WILL BE CLOSED/TEMPORARY CLOSED
    STARTING (DATE) - ENDING (DATE)

    THESE SIGNS SHALL BE RETROREFLECTIVE SHEETING ON METAL, 4 INCH BLACK LETTERING ON WHITE BACKGROUND.
14. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY THE CITY OF SANDY SPRINGS BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR "TRAFFIC CONTROL". THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE TO THE ROAD DURING THE CONSTRUCTION OF THE PROJECT WITHOUT APPROVAL BY THE ENGINEER.
15. NO LANE CLOSURES ARE ALLOWED BETWEEN 6-9AM AND 4-7PM WITHOUT PRIOR APPROVAL BY THE ENGINEER.
16. DURING CONSTRUCTION PAVEMENT SECTIONS SHOULD BE COMPLETED UP TO BINDER LAYER WITH TEMPORARY STRIPING. 1 1/2 INCHES OF 12.5 MM SUPERPAVE WILL BE APPLIED TO THE ENTIRE PROJECT AREA INCLUDING ROSWELL ROAD AND PERMANENT STRIPING WILL BE COMPLETED AT THAT TIME. PAYMENT FOR TEMPORARY STRIPING WILL BE PAID UNDER TRAFFIC CONTROL BID ITEM.

COUNTY: FULTON

Pipe Culvert Material Alternates
For Piedmont/Blue Ridge Region

TYPE OF PIPE INSTALLATION				CONCRETE	CORRUGATED STEEL AASHTO M-36		CORRUGATED ALUMINUM AASHTO M-196	PLASTIC			
					ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLYETHYLENE AASHTO M-252	CORR. POLYETHYLENE SMOOTHED LINED AASHTO M-294 TYPE "S"	POLYVINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLYVINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949
STORM DRAIN	LONGITUDINAL INTERSTATE AND TRAVEL BEARING			X							
STORM DRAIN	LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING			X							
STORM DRAIN	CROSS DRAIN	GRADE ≤ 10%	ADT < 250	X							
STORM DRAIN	CROSS DRAIN	GRADE ≤ 10%	250 < ADT < 1500	X							
STORM DRAIN	CROSS DRAIN	GRADE ≤ 10%	1500 < ADT < 15000	X							
STORM DRAIN	CROSS DRAIN	GRADE ≤ 10%	ADT > 15000	X							
STORM DRAIN	CROSS DRAIN	GRADE > 10%	ADT < 250								
STORM DRAIN	CROSS DRAIN	GRADE > 10%	ADT > 250								
SIDE DRAIN				X					X	X	X
PERMANENT SLOPE DRAIN					X	X	X		X	X	X
PERFORATED UNDERDRAIN					X	X	X	X	X		X

* This type pipe can be used if the addition of Type "B" Coating (AASHTO M-190, Half Bituminous Coated with Paved Invert) is utilized.

NOTES:

1. Allowable materials are indicated by an "X".
2. Structural requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P, whichever is applicable, and the Standard Specifications.
3. Graded aggregate backfill shall be used in cross drain applications for all plastic pipes (AASHTO M-294, HDPE pipe; AASHTO M-304, PVC pipe; ASTM F-949, PVC pipe

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS

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REVISION DATES

GENERAL NOTES
CDBG ROSWELL ROAD SIDEWALKS

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BACKCHECKED:		DATE:	
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VERIFIED:		DATE:	

DRAWING No. 04-0002

SOIL AND GROUNDWATER MANAGEMENT GENERAL NOTES

THIS SECTION PERTAINS TO SOIL AND GROUNDWATER MANAGEMENT (SGGWM) AS RELATES TO THE BROWNFIELD STATUS OF VARIOUS PORTIONS OF THE PROJECT. THE FOLLOWING NOTES ARE INTENDED TO PROVIDE GENERAL GUIDANCE ON HOW THE CONTRACTOR IS TO HANDLE SOILS AND GROUNDWATER FROM CERTAIN PORTIONS OF THE PROJECT (AS WELL AS FROM OFFSITE SOURCES FOR IMPORT, IF NEEDED). THIS SECTION TAKES PRECEDENCE OVER OTHER REQUIREMENTS OF THE PLAN SET, WITH RESPECT TO THE HANDLING AND DISPOSAL OF WASTE SOILS AND GROUNDWATER ON THE PARCELS MENTIONED IN NOTE 1.

1. PHASE I AND II ENVIRONMENTAL ASSESSMENTS HAVE BEEN CONDUCTED ON MULTIPLE PARCELS INVOLVED IN THIS PROJECT. THIS INCLUDES PORTIONS OF PARCELS 1, 2, 3, 4, 13, 20, 21 AND 22. THESE PROPERTIES, WITH THE EXCEPTION OF PARCEL 1, HAVE BEEN ENROLLED IN THE GEORGIA BROWNFIELD PROGRAM, VIA THE SUBMISSION OF A PROSPECTIVE PURCHASER CORRECTIVE ACTION PLAN (PPCAP). THESE REPORTS ARE AVAILABLE FOR REVIEW UPON REQUEST.

2. THE PHASE II ENVIRONMENTAL TESTING SHOWED CHEMICAL IMPACTS IN THE SHALLOW SOIL (UPPER 5 FEET) ON PARCELS 1, 2, 3, 4, AND 13. IN SOME INSTANCES, DEEPER SOIL IMPACTS WERE PRESENT IN THESE AREAS ALSO. TESTING AT PARCELS 21 AND 22 DID NOT SHOW IMPACTS IN THE SHALLOW SOILS, BUT DID IN THE DEEPER SOILS (5 FEET AND DEEPER). THE ESTIMATED LATERAL LIMITS OF IMPACTED SOILS ARE ILLUSTRATED ON THE PLANS. THE CONCENTRATIONS DETECTED WERE BELOW ENVIRONMENTAL PROTECTION DIVISION (EPD) RESIDENTIAL RISK REDUCTION STANDARDS (RRS).

3. THE IMPACTED SOILS IDENTIFIED DO NOT REQUIRE REMOVAL AND LANDFILL DISPOSAL (OR OTHER REMEDIAL ACTIONS) TO MEET THE REQUIREMENTS OF THE PPCAP. THESE IMPACTED MATERIALS MAY BE REUSED ON THE PROJECT AS ENGINEERING FILL PROVIDED THE IMPACTED SOILS REMAIN ON THE PARCEL THEY ORIGINATED OR ARE PLACED ON PROPERTY ALONG THE PROJECT OWNED BY THE CITY. SUCH SOILS, IF REUSED, SHALL BE SEGREGATED AND STOCKPILED SEPARATELY SO THAT THE AREAS FOR REUSE ARE DOCUMENTED BY THE CONTRACTOR. IMPACTED SOILS THAT WILL NOT BE REUSED ON THE PROJECT SHALL BE DISPOSED OF IN A LANDFILL. TESTING DATA SUGGESTS THE SOIL MAY BE ACCEPTABLE FOR DISPOSAL AT A SUBTITLE D LANDFILL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION, TRANSPORTATION, AND LANDFILL DISPOSAL ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE ACTUAL SUBTITLE D LANDFILL ACCEPTANCE AND PREPARING THE NECESSARY DISPOSAL PROFILES AND MANIFESTS FOR THE CITY TO SIGN. DISPOSAL MANIFESTS SHALL BE MAINTAINED BY THE CONTRACTOR.

4. IMPACTED GROUNDWATER WAS ENCOUNTERED AT PARCEL 13, 21, AND 22 AT DEPTHS OF GREATER THAN 25 FEET. GROUNDWATER AT THESE PARCELS HAS BEEN FOUND TO BE IMPACTED WITH SOLVENTS AND/OR PETROLEUM. IF GROUNDWATER IS ENCOUNTERED IN THESE AREAS DURING THIS PROJECT, THE IMPACTED GROUNDWATER WILL EITHER NEED TO BE PUMPED INTO A FRAC TANK FOR ANALYSIS AND SUBSEQUENT APPROPRIATE OFFSITE DISPOSAL, OR BE PUMPED DIRECTLY INTO THE PUBLIC SANITARY SEWER UNDER AN APPROVED DISCHARGE PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING, PERMITTING, AND DISPOSING OF SUCH IMPACTED GROUNDWATER.

5. A GEOPHYSICAL SURVEY IDENTIFIED AN ANOMALY ON THE SOUTHERN PORTION OF PARCEL 3. THE ANOMALY MEASURED APPROXIMATELY 6 BY 6 FEET. THE CAUSE FOR THE ANOMALY IS UNKNOWN BUT DID NOT APPEAR TO SHOW THE CHARACTERISTICS TYPICAL OF AN UNDERGROUND STORAGE TANK (UST). IF A UST IS ENCOUNTERED IN THIS AREA OR ON OTHER PORTIONS OF THE PROJECT, WORK SHALL STOP AND THE CONTRACTOR SHALL CONTACT THE CITY IMMEDIATELY SO THAT THE APPROPRIATE COURSE OF ACTION CAN BE DEVELOPED.

6. IF SOILS ARE DISCOVERED DURING SITE WORK ACTIVITIES ON ANY OF THE PROJECT THAT SHOW EVIDENCE OF IMPACTS SUCH AS STAINING OR UNUSUAL ODORS, THE CONTRACTOR SHALL CONTACT THE CITY SO THE ADDITIONAL AREAS CAN BE ASSESSED AND INCORPORATED INTO THIS NOTE SECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY OF SUCH CONDITIONS, BASED ON THE OBSERVATIONS AND ASSOCIATED TESTING. IF CONDUCTED, THE MATERIALS WILL BE MANAGED IN ACCORDANCE WITH THIS NOTE SECTION, OR BY OTHER METHODS DEVELOPED BY THE CITY.

7. ON THE PARCELS OF THE PROJECT ENROLLED IN THE BROWNFIELD PROGRAM, IF SOIL IMPORT IS NEEDED TO MEET THE PROPOSED GRADES, THIS MATERIAL IS REQUIRED TO BE DOCUMENTED AS MEETING APPLICABLE RRS FOR THIS PROJECT PRIOR TO IMPORT. FOR IMPORT, THE CONTRACTOR SHALL OBTAIN ENVIRONMENTAL DOCUMENTATION REGARDING THE IMPORT. THE CONTRACTOR SHALL PROVIDE THE AVAILABLE REPORTS TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO IMPORTING. OTHERWISE, SOIL SAMPLING WILL BE REQUIRED FOR ANALYTICAL TESTING AT A TESTING FREQUENCY OF ONE SAMPLE FOR EVERY APPROXIMATE 1,000 CUBIC YARDS OF IMPORT FILL SOIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OFF SAMPLING AND TESTING OF IMPORTED MATERIAL.

8. THE CONTRACTOR SHALL DOCUMENT THE IMPLEMENTATION OF THIS NOTE SECTION DURING THE PROJECT. ALL DOCUMENTATION, INCLUDING LANDFILL DISPOSAL MANIFESTS, SHALL BE PROVIDED WITHIN 30 DAYS OF THE PROJECT COMPLETION.

9. ALL SITE WORK ACTIVITIES SHALL BE CONDUCTED BY THE CONTRACTOR ACCORDING TO THE APPLICABLE CITY, COUNTY, STATE AND FEDERAL REGULATIONS. EXCAVATION, HANDLING, CONTAINERIZATION, TRANSPORT, STORAGE, AND DISPOSAL ACTIVITIES ASSOCIATED WITH CHEMICALLY IMPACTED MEDIA SHALL BE PERFORMED BY THE CONTRACTOR VIA METHODS THAT A) REDUCE POTENTIAL CONTAMINATION OF THE SURROUNDING ENVIRONMENT (SOIL, WATER, AIR); B) ARE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATION AND LAWS; AND C) PROTECT PERSONNEL IN THE WORK AREA AND ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING THE WORK IN ACCORDANCE WITH ALL OSHA REQUIREMENTS. A HEALTH AND SAFETY PLAN SHOULD BE DEVELOPED AND IMPLEMENTED ASSOCIATED WITH THE WORK ACTIVITIES.

CITY OF SANDY SPRINGS EROSION & SEDIMENT CONTROL GENERAL NOTES

1. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.

2. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ON TO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.

3. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

4. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

5. OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

6. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

7. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UP STREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.

8. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO CITY OF SANDY SPRINGS STANDARDS.

9. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.

10. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.

11. STATE WATERS ARE NOT ON SITE OR WITHIN 200 FEET OF THE SITE.

12. THE EXISTING LAND USE FOR THIS PROJECT IS A COMMERCIAL/RESIDENTIAL AREA WITH FIVE 11' TRAVEL LANES ALONG ROSWELL ROAD AND VARYING WIDTH URBAN SHOULDERS AND PORTIONS CONTAINING CURB & GUTTER AND SIDEWALK. THE PROJECT IS LOCATED ON LAND LOTS 92 AND 93 IN THE SIXTH AND ELEVENTH CONGRESSIONAL DISTRICTS WITHIN THE LIMITS OF THE CITY OF SANDY SPRINGS. THIS PROJECT'S WORK IS RELOCATED ROSWELL RD, LONG ISLAND DR, WEST BELLE ISLE RD, SPRUEL SPRINGS RD, HARDEMAN RD, CHEMIN DE VIE, OSMER DR, MT PARAN RD, MARYEANNA DR, STEWART DR, LAKE PLACID DR, NORTWOOD DR. THE SHOULDERS WILL BE UPGRADED TO INCLUDE CURB AND GUTTER, A 2' SOD STRIP, 6'-10' WIDE SIDEWALK, A 1' SOD STRIP , CANOPY STREET TREES SPACED 30'-40', AND LIGHT FIXTURES WITH BRICK PANELS SPACED 90'-100'. DRAINAGE STRUCTURES WILL BE ADDED WHILE TIEING INTO THE EXISTING DRAINAGE SYSTEMS. THE RESULTS OF THIS PROJECT WILL PROVIDE A SAFER PEDESTRIAN ENVIRONMENT WITH IMPROVED DRAINAGE CONDITIONS AND CONTINUOUS SHOULDER CONDITIONS TO PROPERLY SERVE THIS COMMERCIAL AREA.

13. THE PERSON AND CONTACT INFORMATION FOR DEVELOPER/OWNER INFORMATION IS AS FOLLOWED:
    MR. MARTY MARTIN
    CITY OF SANDY SPRINGS DEPARTMENT OF PUBLIC WORKS
    7840 ROSWELL ROAD
    BUILDING 500
    SANDY SPRINGS, GA 30350
    (770) 206-2012

14. CONSTRUCTION ACTIVITIES INCLUDING VEGETATION, MULCHING AND BMP PRACTICES ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS.

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/13/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
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REVISION DATES

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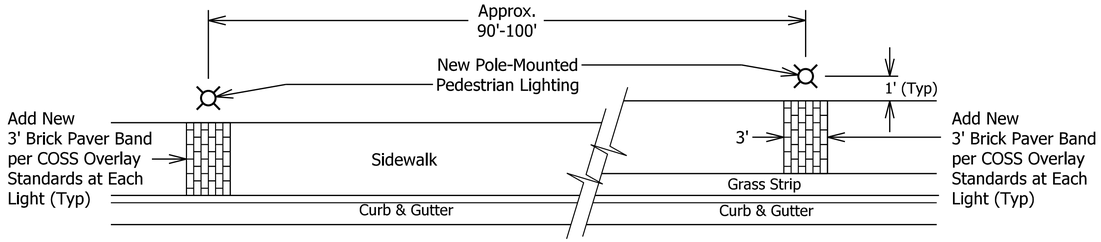
GENERAL NOTES

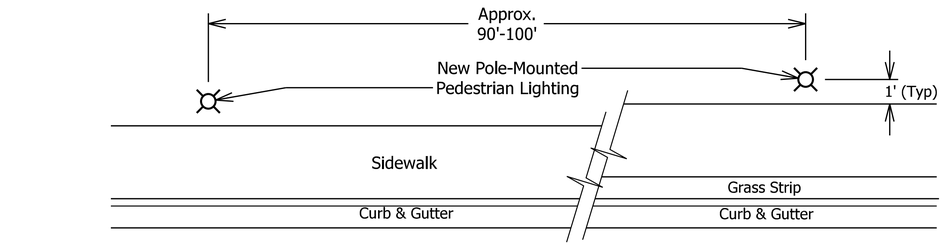
CDBG ROSWELL ROAD SIDEWALKS

DRAWING No. 04-0003



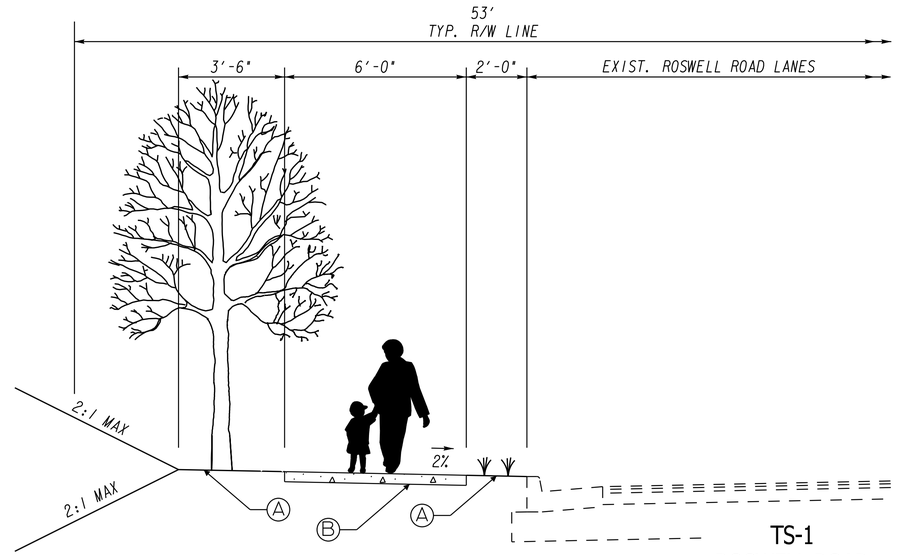
Typical Pedestrian Light Standard Installation
Long Island Drive To Mt. Paran Road

STA. 101+38.67 TO STA. 132+25.00

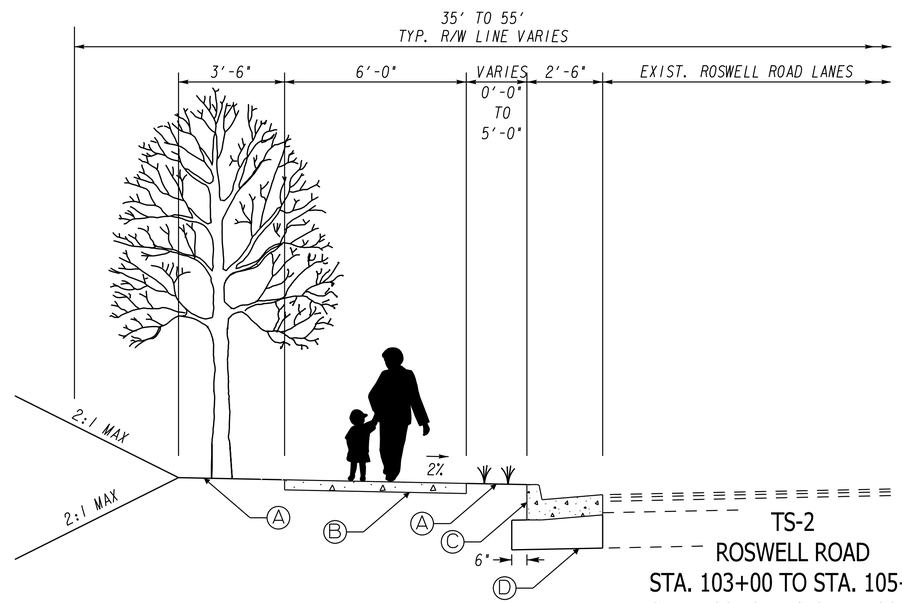


Typical Pedestrian Light Standard Installation
Mt. Paran Road To Glenridge Drive

STA. 136+50.88 TO STA. 152+06.00



TS-1
ROSWELL ROAD
STA. 101+28.71 TO STA. 103+00



TS-2
ROSWELL ROAD
STA. 103+00 TO STA. 105+20
STA. 108+34 TO STA. 108+45
STA. 117+98 TO STA. 122+59
STA. 123+57 TO STA. 129+40
STA. 132+20 TO STA. 132+36.94

REQUIRED PAVEMENT

- (A) SOD STRIP
- (B) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK
- (C) 8"x30" CONC CURB & GUTTER, GA STD. 9032B, TP 2
- (D) GRADED AGGREGATE BASE, 12", INCL MATL
- (E) 6" CONC HEADER CURB, GA STD. 9032B, TP 2
- (F) MORTAR RUBBLE GRAVITY WALL, GA. STD. 9031L
- (G) BRICK PAVERS

NOTES:
1. A VERTICAL SEPARATION ELEMENT IS REQUIRED WHERE THE GRASS STRIP IS LESS THAN 5' WIDE ALONG THE SIDE PATH.
2. FOR PAVEMENT PATCHING, USE THE METHOD DESCRIBED IN GA STD 1401.

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

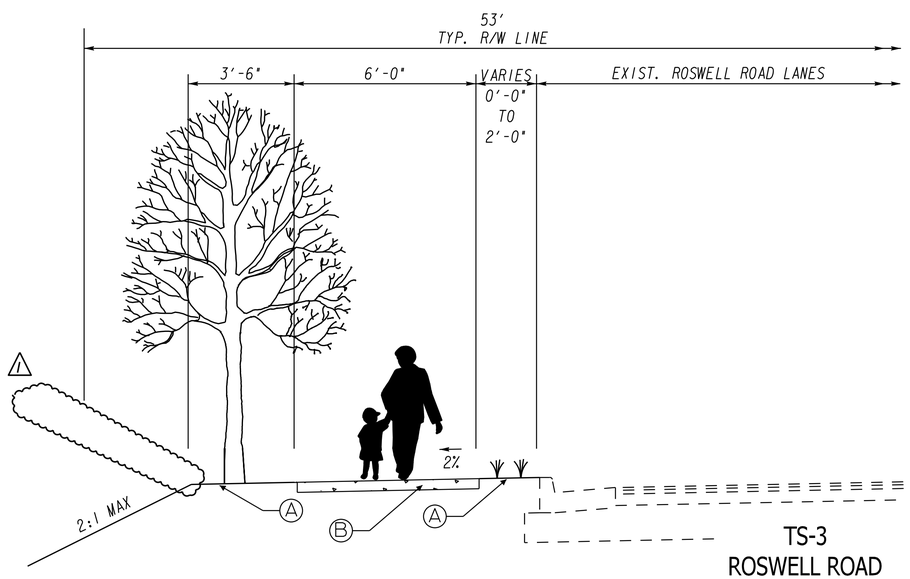
REVISION DATES

TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

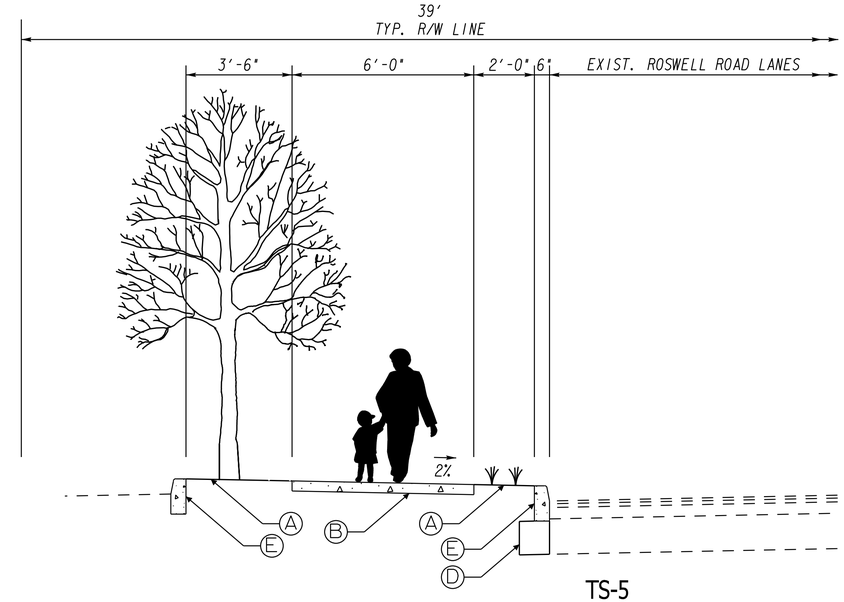
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 05-0001

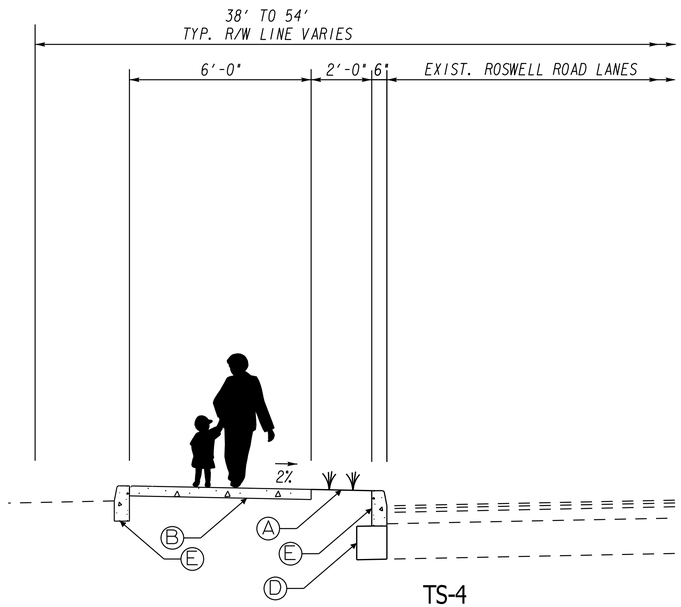
10/23/2015 GPLN



TS-3
ROSWELL ROAD
STA. 106+64 TO STA. 108+34



TS-5
ROSWELL ROAD
STA. 110+56 TO STA. 113+94



TS-4
ROSWELL ROAD
STA. 108+45 TO STA. 110+31

NOTES:
1. A VERTICAL SEPARATION ELEMENT IS REQUIRED WHERE THE GRASS STRIP IS LESS THAN 5' WIDE ALONG THE SIDE PATH.
2. FOR PAVEMENT PATCHING, USE THE METHOD DESCRIBED IN GA STD 1401.

REQUIRED PAVEMENT

- (A) SOD STRIP
- (B) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK
- (C) 8"x30" CONC CURB & GUTTER, GA STD. 9032B, TP 2
- (D) GRADED AGGREGATE BASE, 12", INCL MATL
- (E) 6" CONC HEADER CURB, GA STD. 9032B, TP 2
- (F) MORTAR RUBBLE GRAVITY WALL, GA. STD. 9031L
- (G) BRICK PAVERS

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31717 KIMBERLEY TYSON BAKER 9/13/19

SANDY SPRINGS GEORGIA

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NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES		
09/09/19		

TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

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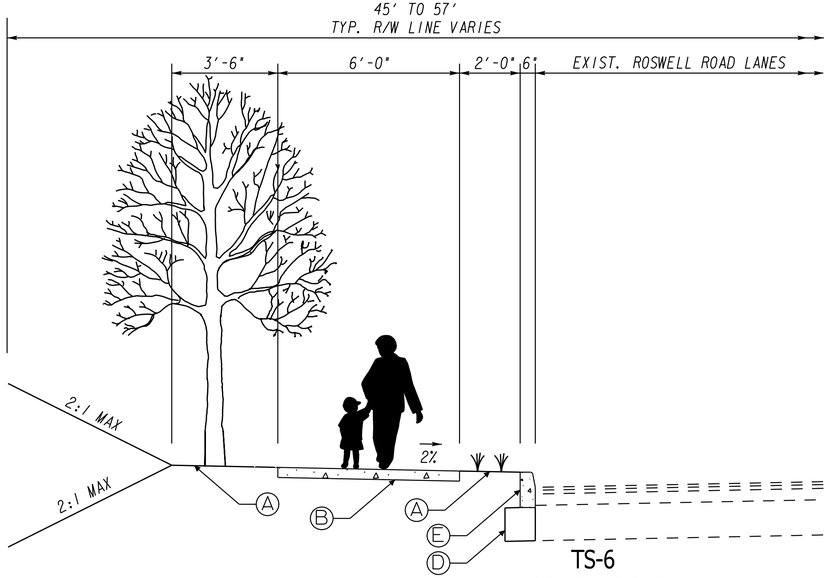
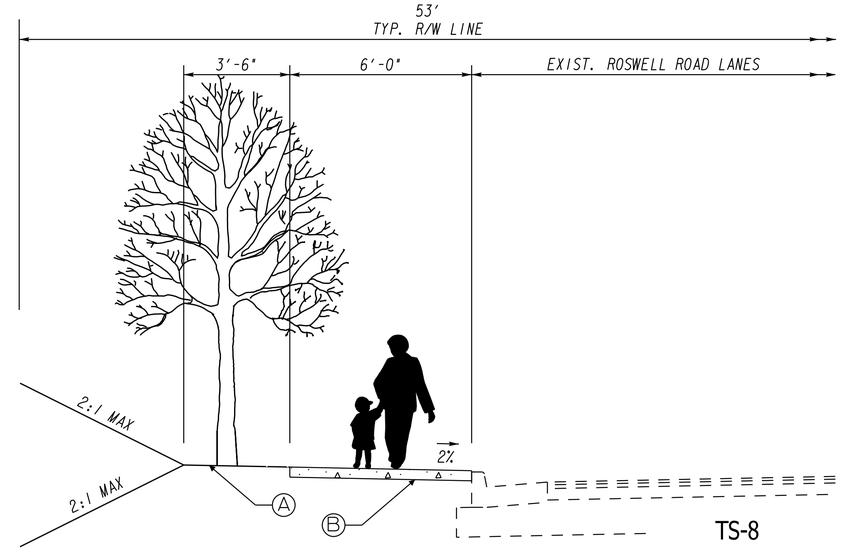
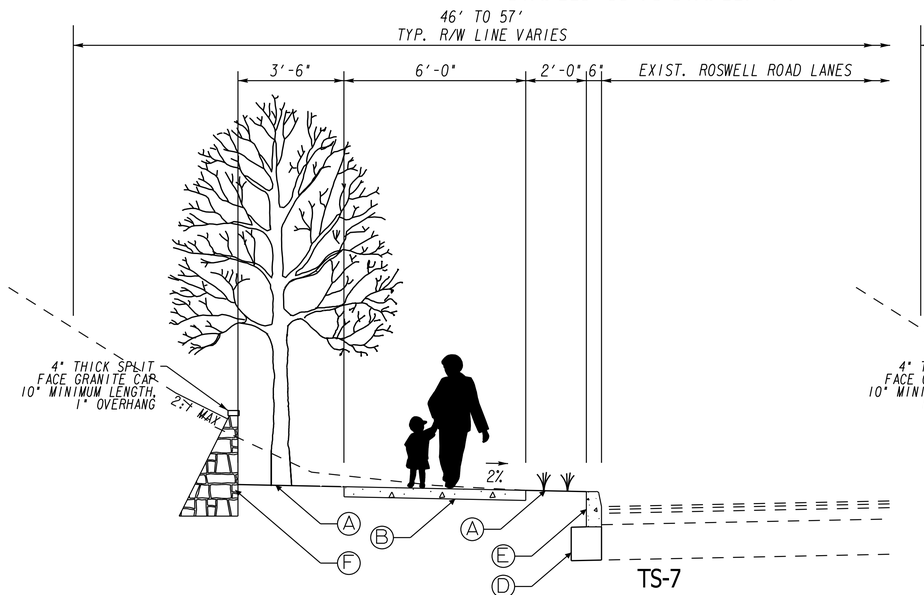
BACKCHECKED:		DATE:		05-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		



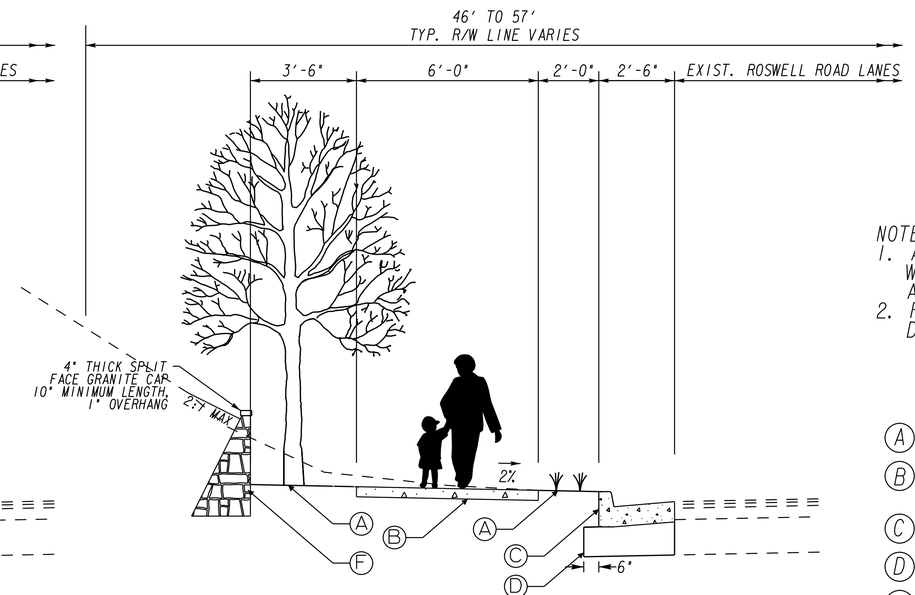
TS-6
ROSWELL ROAD
STA. 114+20 TO STA. 114+29
STA. 115+35 TO STA. 117+74



TS-8
ROSWELL ROAD
STA. 122+59 TO STA. 123+57



TS-7
ROSWELL ROAD
STA. 114+29 TO STA. 115+35
STA. 130+70 TO STA. 132+20



TS-9
ROSWELL ROAD
STA. 129+40 TO STA. 130+05

NOTES:
1. A VERTICAL SEPARATION ELEMENT IS REQUIRED WHERE THE GRASS STRIP IS LESS THAN 5' WIDE ALONG THE SIDE PATH.
2. FOR PAVEMENT PATCHING, USE THE METHOD DESCRIBED IN GA STD 1401.

REQUIRED PAVEMENT

- (A) SOD STRIP
- (B) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK
- (C) 8"x30" CONC CURB & GUTTER, GA STD. 9032B, TP 2
- (D) GRADED AGGREGATE BASE, 12", INCL MATL
- (E) 6" CONC HEADER CURB, GA STD. 9032B, TP 2
- (F) MORTAR RUBBLE GRAVITY WALL, GA. STD. 9031L
- (G) BRICK PAVERS

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
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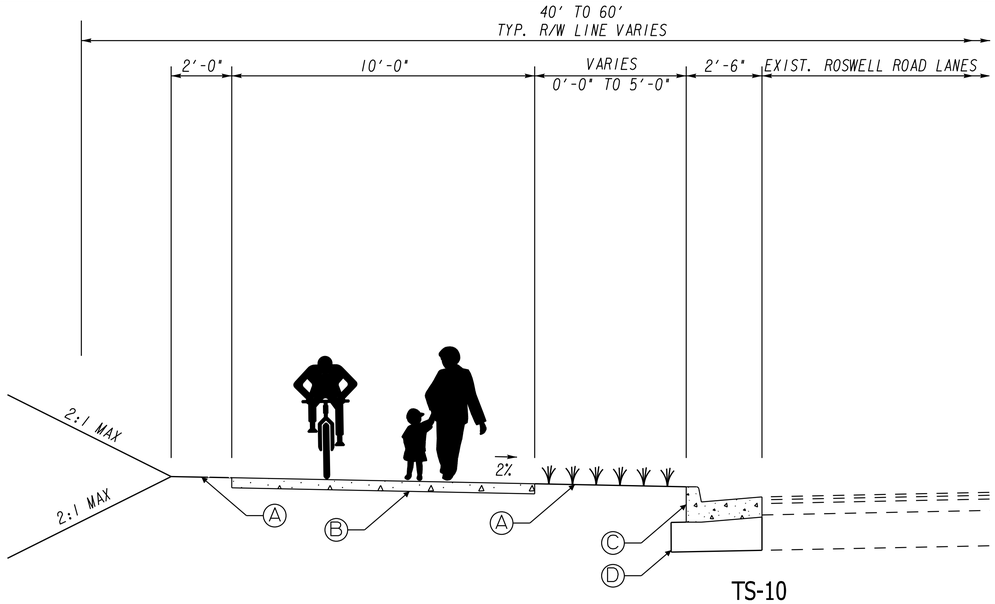
NORCROSS, GEORGIA 30092
(770) 263-9118

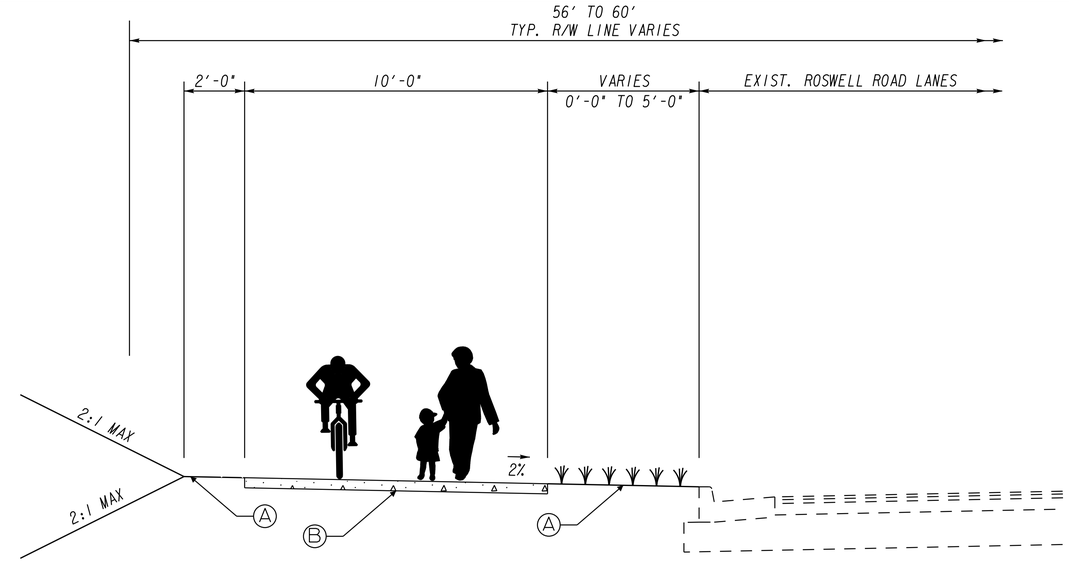
REVISION DATES		

TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		



TS-10
ROSWELL ROAD
STA. 136+51 TO STA. 136+89
STA. 138+13 TO STA. 138+74
STA. 140+14 TO STA. 140+73
STA. 142+25 TO STA. 142+48
STA. 146+04 TO STA. 148+65



TS-11
ROSWELL ROAD
STA. 136+89 TO STA. 138+13
STA. 138+74 TO STA. 140+14
STA. 140+73 TO STA. 142+25

NOTES:
1. A VERTICAL SEPARATION ELEMENT IS REQUIRED WHERE THE GRASS STRIP IS LESS THAN 5' WIDE ALONG THE SIDE PATH.
2. FOR PAVEMENT PATCHING, USE THE METHOD DESCRIBED IN GA STD 1401.

REQUIRED PAVEMENT

- (A) SOD STRIP
- (B) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK
- (C) 8"x30" CONC CURB & GUTTER, GA STD. 9032B, TP 2
- (D) GRADED AGGREGATE BASE, 12", INCL MATL
- (E) 6" CONC HEADER CURB, GA STD. 9032B, TP 2
- (F) MORTAR RUBBLE GRAVITY WALL, GA. STD. 9031L
- (G) BRICK PAVERS

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 41717 KIMBERLEY TYSON BAKER 9/13/19

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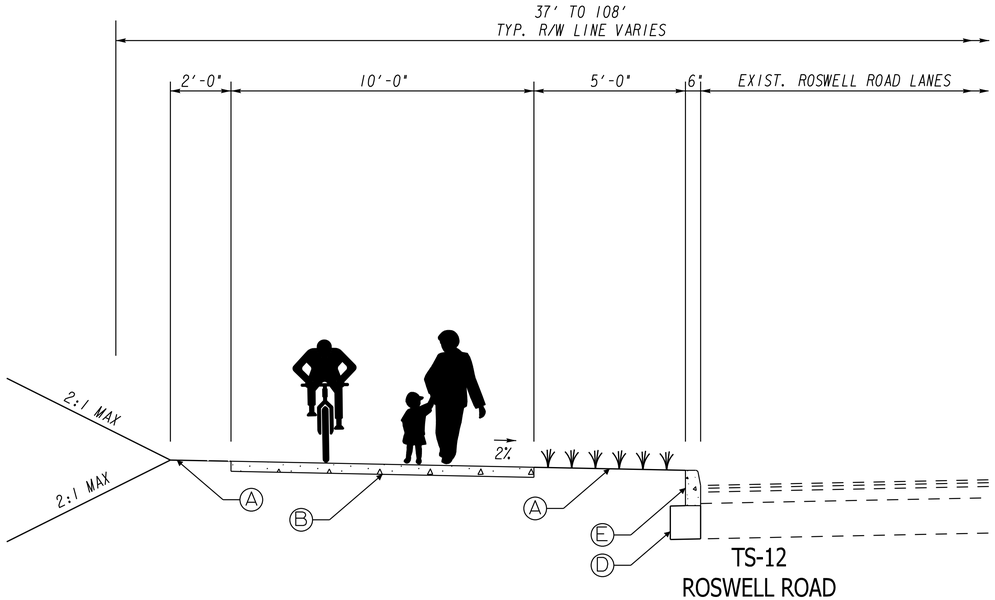
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

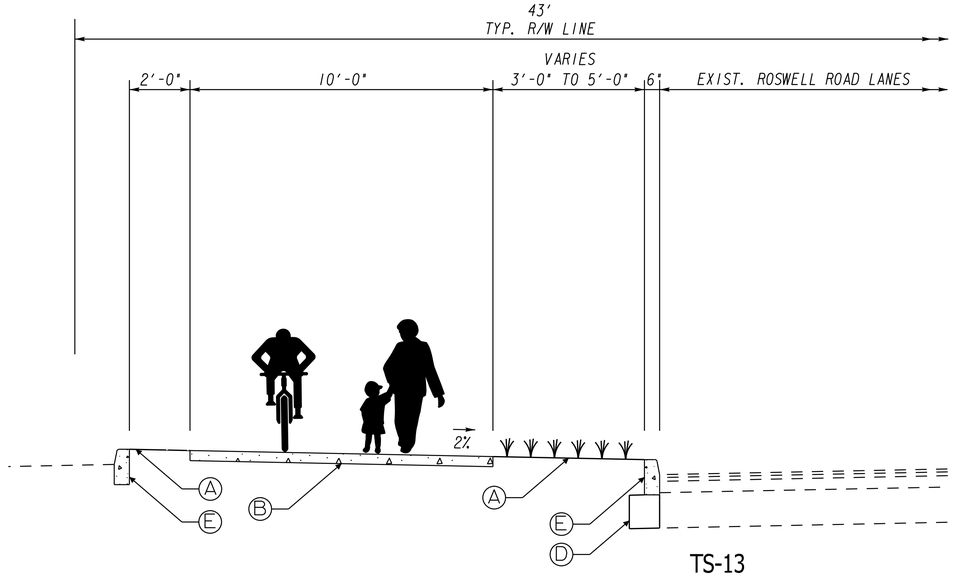
TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 05-0004



TS-12
ROSWELL ROAD
STA. 142+78 TO STA. 143+10
STA. 145+45 TO STA. 146+04



TS-13
ROSWELL ROAD
STA. 143+50 TO STA. 145+45

NOTES:
1. A VERTICAL SEPARATION ELEMENT IS REQUIRED WHERE THE GRASS STRIP IS LESS THAN 5' WIDE ALONG THE SIDE PATH.
2. FOR PAVEMENT PATCHING, USE THE METHOD DESCRIBED IN GA STD 1401.

REQUIRED PAVEMENT

- (A) SOD STRIP
- (B) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK
- (C) 8"x30" CONC CURB & GUTTER, GA STD. 9032B, TP 2
- (D) GRADED AGGREGATE BASE, 12", INCL MATL
- (E) 6" CONC HEADER CURB, GA STD. 9032B, TP 2
- (F) MORTAR RUBBLE GRAVITY WALL, GA. STD. 9031L
- (G) BRICK PAVERS

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

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NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

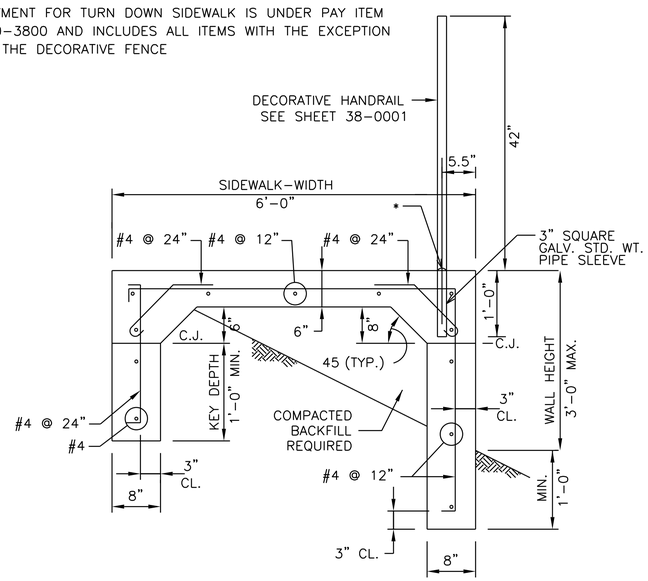
TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 05-0005

TURN DOWN SIDEWALK W/ DECORATIVE FENCE DETAIL

PAYMENT FOR TURN DOWN SIDEWALK IS UNDER PAY ITEM 500-3800 AND INCLUDES ALL ITEMS WITH THE EXCEPTION OF THE DECORATIVE FENCE



KEY DEPTH	WALL HEIGHT
1'-0"	1'-0"
1'-4"	2'-0"
1'-8"	3'-0" MAX.

NOTE:
1. CONTRACTOR MUST TEMPORARILY SUPPORT FOOTING WALLS UNTIL TOP SLAB IS IN PLACE.
2. CONTRACTOR TO PROVIDE COMPACTED BACKFILL UNDER SLAB

* NON-SHRINK PORTLAND CEMENT GROUT, TROWEL TO PROVIDE POSITIVE DRAINAGE.

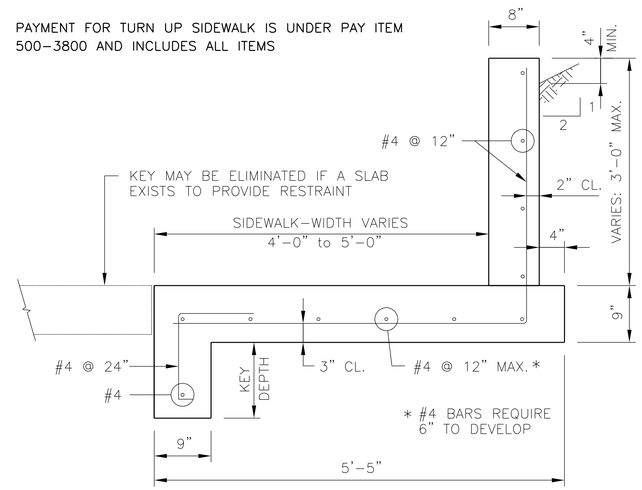
LOADS:
SURCHARGE = 0 PSF

MATERIALS:
CONCRETE f'c = 3,000 PSI
REINFORCING fy = 60,000 PSI

SOIL PROPERTIES:
SOIL WEIGHT = 110 PCF
ø = 28°
C = 0
ALLOWABLE SOIL PRESSURE = 3,000 PSF

TURN UP SIDEWALK DETAIL

PAYMENT FOR TURN UP SIDEWALK IS UNDER PAY ITEM 500-3800 AND INCLUDES ALL ITEMS

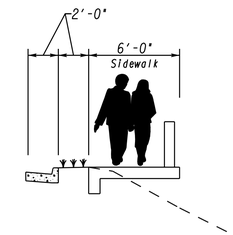


KEY DEPTH	WALL HEIGHT
0'-0"	1'-9"
6" MIN.	2'-0"
0'-9"	2'-6"
1'-0"	3'-0"

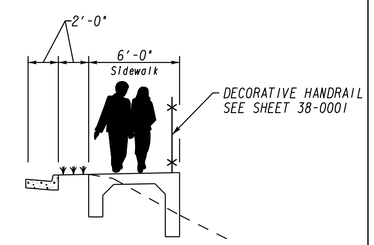
LOADS:
SURCHARGE = 0 PSF

MATERIALS:
CONCRETE _____ f'c = 3,000 PSI
REINFORCING _____ fy = 60,000 PSI

SOIL PROPERTIES:
SOIL WEIGHT = 110 PCF
ø = 28°
C = 0
ALLOWABLE SOIL PRESSURE = 3,000 PSF

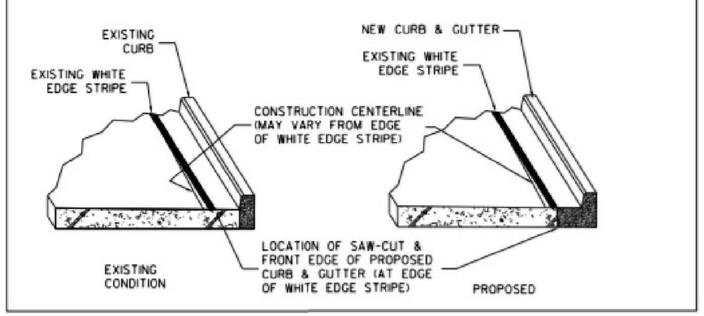


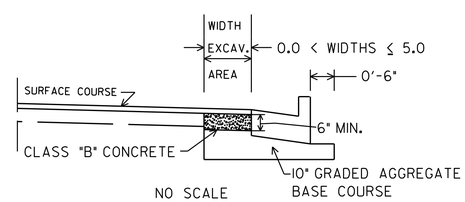
SHOULDER FOR TURN UP SIDEWALK
STA. 117+00 TO STA. 117+59
STA. 119+70 TO STA. 120+43



SHOULDER FOR TURN DOWN SIDEWALK
STA. 124+34 TO STA. 124+52
STA. 124+78 TO STA. 126+10

SAW CUT LOCATION DETAIL





NO SCALE

CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
Item Code 500-9999 - Cu. Yds.

In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".

In excavated areas greater than 5'-0" in width, the Contractor shall place base and paving as specified on the typical section.

See plans for details of curb and gutter construction.

CLASS "B" CONCRETE BASE OR WIDENING DETAIL

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

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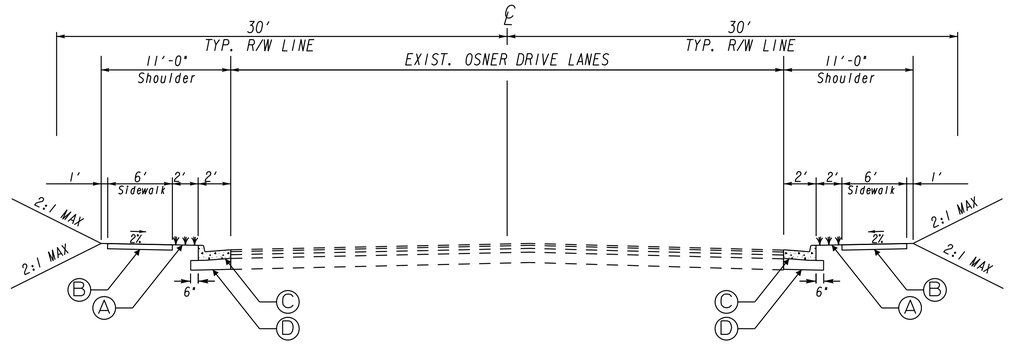
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 05-0006



TS-14 LT
OSNER DRIVE
STA. 10+20 TO STA. 10+87

TS-14 RT
OSNER DRIVE
STA. 10+30 TO STA. 10+98

REQUIRED PAVEMENT

(A) SOD STRIP

(B) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK

(C) 8"x30" CONC CURB & GUTTER, GA STD. 9032B, TP 2

(D) GRADED AGGREGATE BASE, 12", INCL MATL

(E) 6" CONC HEADER CURB, GA STD. 9032B, TP 2

(F) MORTAR RUBBLE GRAVITY WALL, GA. STD. 9031L

(G) BRICK PAVERS

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 41717 KIMBERLEY TYSON BAKER 9/13/19

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NORCROSS, GEORGIA 30092
(770) 263-9118

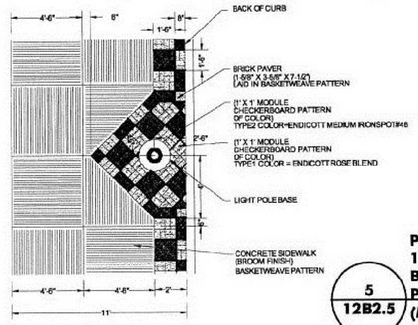
REVISION DATES

TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

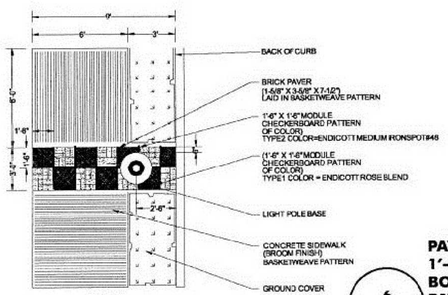
DRAWING No. 05-0007

Paving Details (Section 12B2.5)



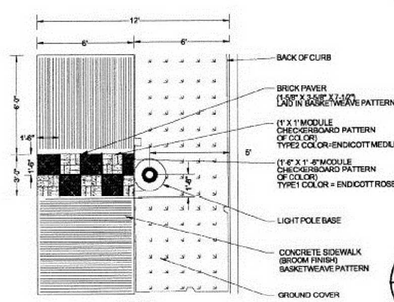
PLAN

PAVER BAND 1'-6" MODULE CHECKER-BOARD PATTERN (MAIN STREET ZONE) — 5 / 12B2.5



PLAN

PAVER BAND 1'-6" MODULE CHECKER-BOARD PATTERN (COMMERCIAL STRIP ZONE) — 6 / 12B2.5



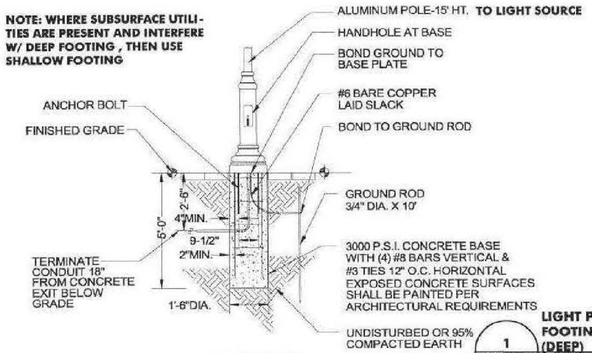
PLAN

PAVER BAND 1'-6" MODULE CHECKER-BOARD PATTERN (SUBURBAN CORRIDOR — 7 / 12B2.5

STREETSCAPE MANUAL / URBAN DESIGN STANDARDS

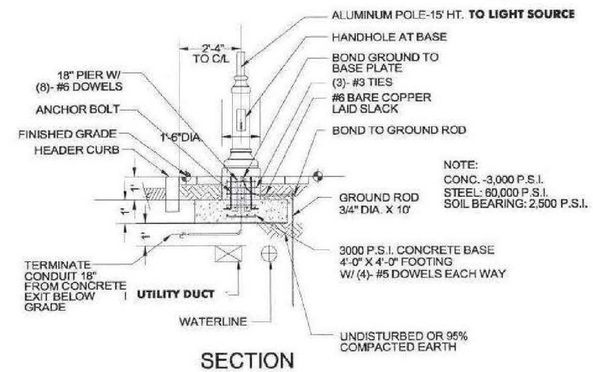
Lighting and Electrical Details (Section 12B2.6)

NOTE: WHERE SUBSURFACE UTILI-TIES ARE PRESENT AND INTERFERE W/ DEEP FOOTING , THEN USE SHALLOW FOOTING



SECTION

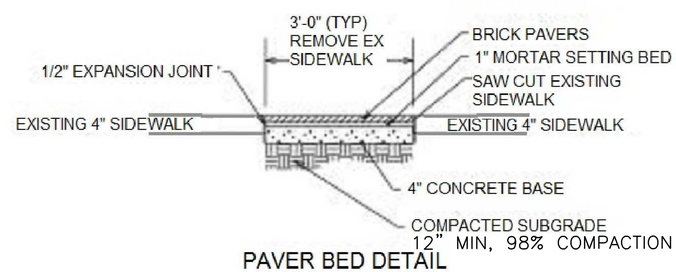
LIGHT POLE FOOTING (DEEP) N.T.S. — 1 / 12B2.6



SECTION

LIGHT POLE FOOTING (SHALLOW) N.T.S. — 2 / 12B2.6

STREETSCAPE MANUAL / URBAN DESIGN STANDARDS

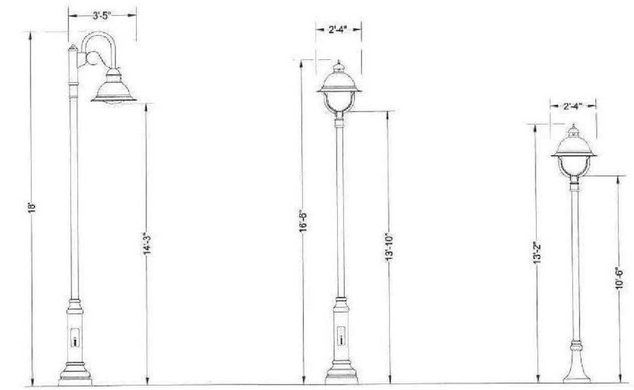


PAVER BED DETAIL

(N.T.S.)

NOTE: ALL PAVER BAND INSTALLATIONS REQUIRE SAW CUTTING

Lighting and Electrical Details (Section 12B2.6)



SIDE VIEW COMMERCIAL (MAJOR INTERSECTIONS) — **LIGHT POLE (COMMERCIAL - MAJOR INTERSECTIONS) N.T.S.** — 3 / 12B2.6

SIDE VIEW COMMERCIAL (MID-BLOCK) — **LIGHT POLE (COMMERCIAL - MID BLOCK) N.T.S.** — 4 / 12B2.6

SIDE VIEW NEIGHBORHOOD (ALL LOCATIONS) — **LIGHT POLE (NEIGHBORHOOD ALL LOCATIONS) N.T.S.** — 5 / 12B2.6

LIGHT STANDARDS:	LUMEC INC. (770)368-9930
MID-BLOCK AND MINOR INTERSECTIONS	175 MH-DMS60-SHA-APR4W-14-LBC1
INTERSECTIONS ON ARTERIAL ROADS	175 MH-DMS50-SG1-120-LM 1A-R61A-SC-15
NEIGHBORHOOD / RESIDENTIAL STREETS	175 MH-DMS60-SHA-APR4W-12-LBC1 (LUMEC GN8-TX)

NOTE: THESE FIXTURES ARE PROVIDED AND INSTALLED THROUGH SANDY SPRINGS REVITALIZATION, INC. UNDER A BLANKET AGREEMENT WITH THE GEORGIA POWER CO. OUTDOOR LIGHTING PROGRAM.

PROVIDE (ONE)1-WEATHERPROOF DUPLEX OUTLET W/ DEDICATED 20 AMP CIRCUIT AT THE BASE OF EACH STREET TREE FOR HOLIDAY TREE LIGHTING AND OTHER PUBLIC USES. PROVIDE SEPERATE DISCONNECT ACCESSIBLE ONLY TO THE ELECTRICAL UTILITY FOR ACTIVATION OF TREE LIGHTING CIRCUITS.

STREETSCAPE MANUAL / URBAN DESIGN STANDARDS

Lighting and Electrical Details (Section 12B2.6)

LIGHT STANDARDS:	LUMEC INC. (770)368-9930
MID-BLOCK AND MINOR INTERSECTIONS	175 MH-DMS60-SHA-APR4W-14-LBC1
INTERSECTIONS ON ARTERIAL ROADS	175 MH-DMS50-SG1-120-LM 1A-R61A-SC-15
NEIGHBORHOOD / RESIDENTIAL STREETS	175 MH-DMS60-SHA-APR4W-12-LBC1 (LUMEC GN8-TX)

NOTE: THESE FIXTURES ARE PROVIDED AND INSTALLED THROUGH SANDY SPRINGS REVITALIZATION, INC. UNDER A BLANKET AGREEMENT WITH THE GEORGIA POWER CO. OUTDOOR LIGHTING PROGRAM.

PROVIDE (ONE)1-WEATHERPROOF DUPLEX OUTLET W/ DEDICATED 20 AMP CIRCUIT AT THE BASE OF EACH STREET TREE FOR HOLIDAY TREE LIGHTING AND OTHER PUBLIC USES. PROVIDE SEPERATE DISCONNECT ACCESSIBLE ONLY TO THE ELECTRICAL UTILITY FOR ACTIVATION OF TREE LIGHTING CIRCUITS.

GENERAL LIGHTING AND ELECTRICAL SPECIFICATIONS N.T.S. — 6 / 12B2.6

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

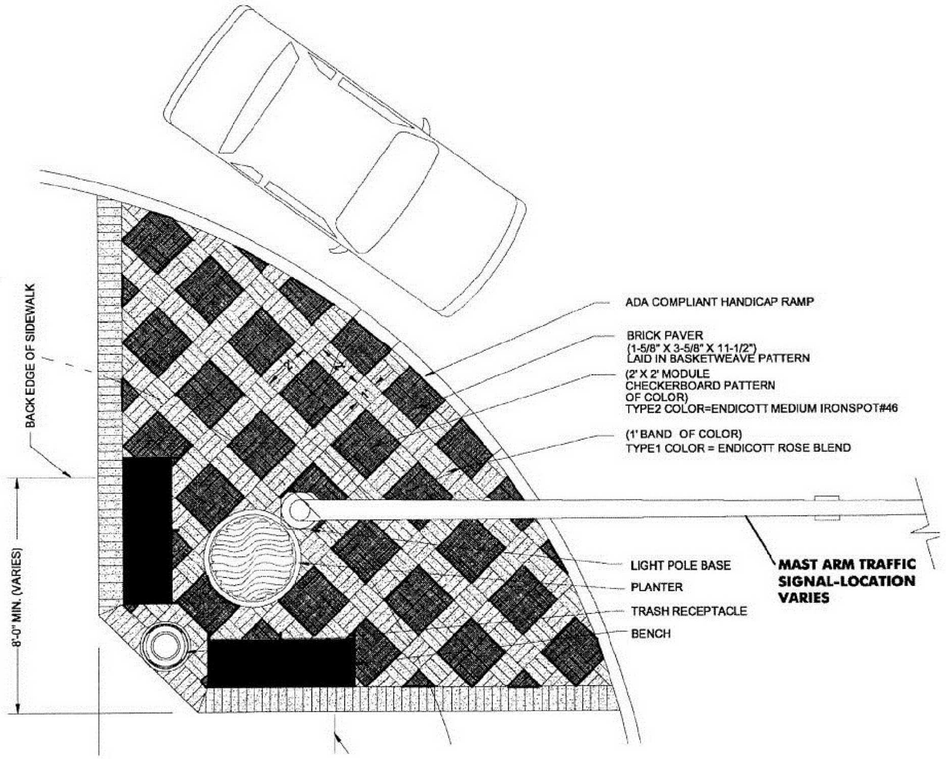
TYPICAL SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 05-0008

Paving Details (Section 12B2.5)



1 / 12B2.5 **MINI-PLAZA PAVER PLAN** N.T.S.

Paving Details (Section 12B2.5)

UNIT PAVERS

A. BRICK PAVERS: PEDESTRIAN / VEHICULAR PAVING BRICK CONSISTING OF SOLID UNCORED, UNFROGGED BRICK OF THE FOLLOWING DIMENSIONS: 1-5/8" x 3-5/8" x 11-5/8", COMPLYING WITH THE REQUIREMENTS OF ASTM C 902 FOR THE FOLLOWING END-USE ENVIRONMENT WEATHER AND TRAFFIC, AND APPLICATION METHOD:

1. WEATHER CLASS SX.
2. TRAFFIC TYPE I
3. APPLICATION PS.

B. COLOR: TYPE 1- ENDICOTT ROSE BLEND MODULAR VELOUR TK PAVER
TYPE 2- ENDICOTT MEDIUM IRONSPOT #46 MODULAR VELOUR TK PAVER

PORTLAND CEMENT MORTAR SETTING AND BED MATERIALS:
A. PORTLAND CEMENT: ASTM C 150, TYPE I OR II
B. HYDRATED LIME: ASTM C 207, TYPE S
C. AGGREGATE: MINUS 0.10

GROUT MATERIALS:

LATEX PORTLAND CEMENT GROUT: ANSI A118.6, COMPOSITION AS FOLLOWS:
1. PREPACKAGED DRY MORTAR MIX COMPOSED OF PORTLAND CEMENT, GRADED AGGREGATE, COLORED PIGMENT SAND ETHYLENE VINYL ACETATE IN THE FORM OF A RE-EMULSIFIABLE POWDER TO WHICH ONLY WATER IS ADDED AT THE JOB SITE.

2. WATER: CLEAN, FREE OF MATERIALS DETRIMENTAL TO STRENGTH OF OR BOND OF GROUT.
3. COLOR: BLUE CIRCLE CRIMSON RED #48B.

8 / 12B2.5 **GENERAL PAVING SPECIFICATIONS** N.T.S.

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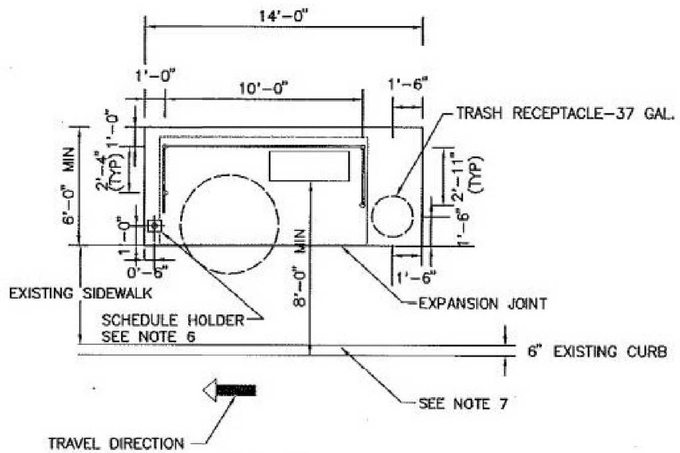
REVISION DATES

TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

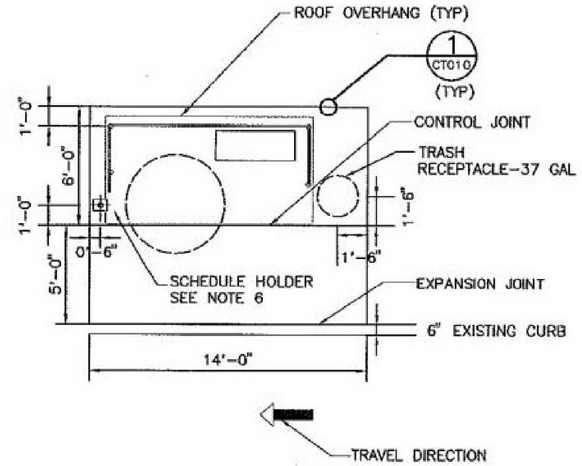
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 05-0009

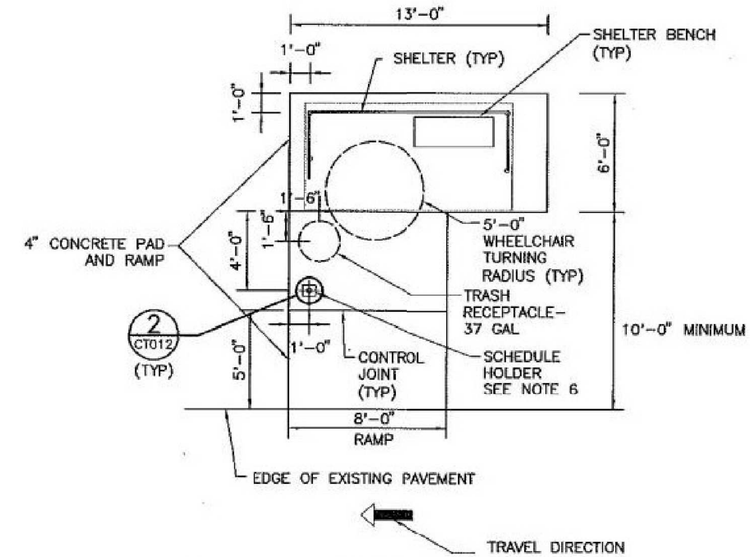
MARTA BUS PAD DETAILS



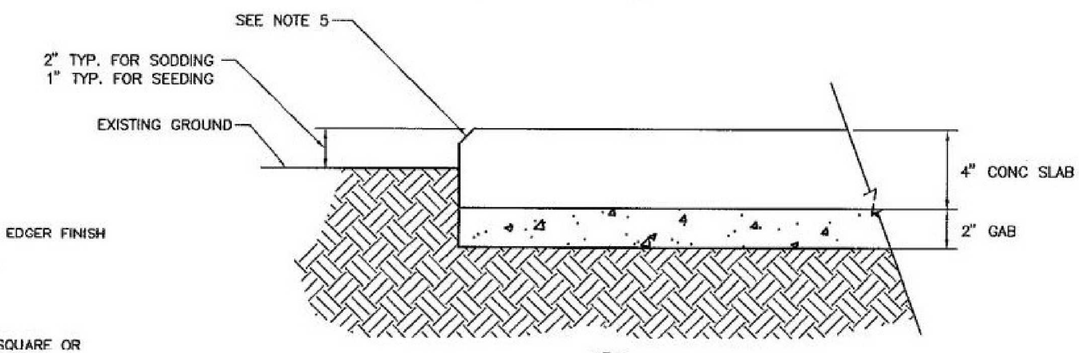
PAD TYPE 1
(SITES WITH SIDEWALK)



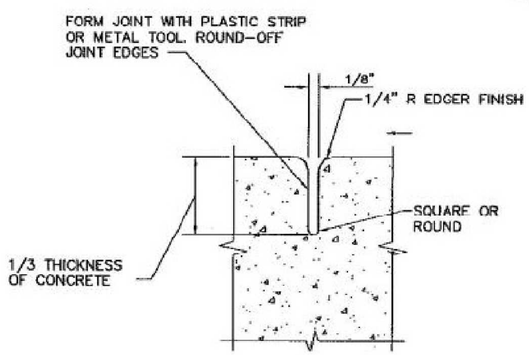
PAD TYPE 2
(SITES WITHOUT SIDEWALK)



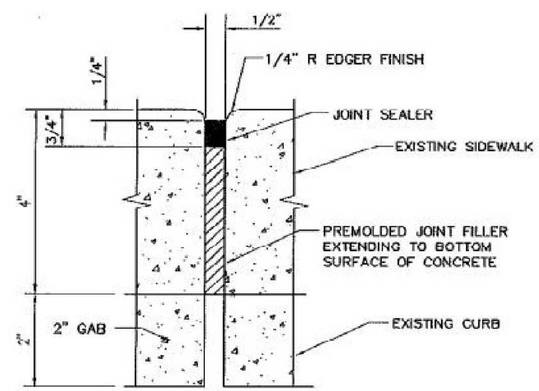
PAD TYPE 3
(SITES WITHOUT CURB)



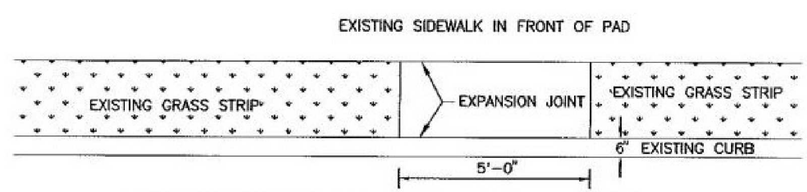
TYPICAL DETAIL 1 (CT010)
3" = 1'-0



CONTROL JOINT
NTS



EXPANSION JOINT
NTS



CONCRETE PAD AT GRASS STRIP 2 (CT010)
NTS

NOTES
1. PAD SLOPE TO BE 2% MAXIMUM.
2. 4" CONCRETE FOR THE PAD AND RAMP SHALL BE CLASS 4000E PSI MINIMUM WITH FIBER REINFORCEMENT.
3. BENCH AND SHELTER INSTALLATION SHALL BE AS PER THE MANUFACTURER'S SHOP DRAWINGS.
5. SEE SECTION 1 FOR SLAB TYPICAL DETAILS.
6. SCHEDULE HOLDER TO BE INSTALLED FOR "OLD BRONZE-TINTED SHELTER" INSTALLATION ONLY. SEE DETAIL 2.
7. FOR EXISTING GRASS STRIP, PROVIDE 5' WIDE CONCRETE AND ACROSS GRASS STRIP. SEE DETAIL 2.

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

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NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES		

TYPICAL SECTIONS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0010
CORRECTED:		DATE:		
VERIFIED:		DATE:		

SUMMARY OF QUANTITIES

ROADWAY													
	GR AGGR BASE CRS, INCL MATL	AGGR SURF CRS (AS DIRECTED BY ENGINEER)	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TACK COAT	CONC SIDEWALK, 4 IN (SIDEWALK)	CONC SIDEWALK, 6 IN (SIDEWALK)	DRIVEWAY CONCRETE, 6 IN TK	CONCRETE MEDIAN, 6 IN (DOWELED)	CONC VALLEY GUTTER, 8 IN
	TN	TN	TN	TN	TN	TN	TN	GAL	SY	SY	SY	SY	SY
	310-1101	318-3000	402-1802	402-1812	402-3121	402-3130	402-3190	413-0750	441-0104	441-0106	441-0016	441-0748	441-4030
ROSWELL ROAD	1,100	100	1	50	300	100	200	100	2,100	500	200	100	100
TOTAL	1,100	100	1	50	300	100	200	100	2,100	500	200	100	100

ROADWAY											
	CONCRETE HEADER CURB	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	CLASS A CONCRETE, INCL REINF STEEL (TURN DOWN SIDEWALK)	CLASS A CONCRETE, INCL REINF STEEL (TURN UP SIDEWALK)	CLASS B CONC BASE OR PVMT WIDENING	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	STORM DRAIN PIPE, 18 IN, H 1-10	MORTAR RUBBLE MASONRY	ADJUST DROP INLET TO GRADE	RIGHT OF WAY MARKERS	CATCH BASIN, GP 1
	LF	LF	CY	CY	CY	LF	LF	CY	EA	EA	EA
	441-5002	441-6222	500-3800	500-3800	500-9999	515-2020	550-1180	607-1000	611-8040	634-1200	668-1100
ROSWELL ROAD	1,700	2,300	100	200	20	200	130	100	0	28	5
TOTAL	1,700	2,300	100	200	20	200	130	100	0	28	5

GRADING COMPLETE	
T-0033-7	
210-0100	
TOTAL	LUMP SUM

TRAFFIC CONTROL	
T-0033-7	
150-1000	
TOTAL	LUMP SUM

MISCELLANEOUS LANDSCAPE ALLOWANCE	
T-0033-7	
009-3500	
TOTAL	LUMP SUM

STRIPING			
ITEM NO	DESCRIPTION	UNITS	QUANTITY
610-9001	REM SIGN	EA	11
611-5551	RESET SIGN	EA	11
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	139
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	71
636-2070	GALV STEEL POSTS, TP 7	LF	235
653-1804	THERMOPLASTIC SOLID TRAFFIC STRIPE, 8 IN, WHITE	LF	2,000
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	2
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	3,600
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	300
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	200
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	200
657-1084	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, WHITE, TP PB	LF	1,700

TRAFFIC SIGNAL			
ITEM NO	DESCRIPTION	UNITS	QUANTITY
615-1200	DIRECTIONAL BORE, 3"	LF	275
636-1041	HIGHWAY SIGNS , TP 2 MATL, REFL SHEETING, TP 9	SF	68.25
639-3004	STEEL STRAIN POLE, TP IV	EA	2
647-1000	TRAFFIC SIGNAL INSTALLATION NO. #1	LUMP	LUMP

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31717 9/5/19 KIMBERLEY TYSON BAKER

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Michael Baker INTERNATIONAL
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NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

SUMMARY QUANTITIES
CDBG ROSWELL ROAD SIDEWALKS

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 06-0001

SUMMARY OF QUANTITIES

STATION	INSTL. NO.	SIGN CODE	HIGHWAY SIGNS												SQUARE TUBE POST		
			TP 1 MATL, REFL SHEETING TP 9			TP 2 MATL, REFL SHEETING TP 9			TP 1 MATL, REFL SHEETING TP 11			TP 2 MATL, REFL SHEETING TP 11			TYPE 7		
			SIZE	QUANTITY	SQ FEET	SIZE	QUANTITY	SQ FEET	SIZE	QUANTITY	SQ FEET	SIZE	QUANTITY	SQ FEET	LENGTH (FEET)	QUANTITY	TOTAL LENTGH
102+90	1	R8-3	30X30	1	6.25										11.0	1	11.0
102+90	2	R8-3	30X30	1	6.25										11.0	1	11.0
104+73	3	R2-1	30X36	1	7.50										11.0	1	11.0
106+31	4	R1-2							36 TRI	1	7.50				11.0	1	11.0
107+21	5	R8-3	30X30	1	6.25												
108+05	6	R8-3	30X30	1	6.25												
108+37	7	W11-2							36X36	1	9.00				13.0	1	13.0
		W16-9P							24X12	1	2.00						
113+93	8	R1-1							36 OCT	1	9.00				11.0	1	11.0
114+31	9	D3-1	48X12	1	4.00										11.0	1	11.0
		D3-1	48X12	1	4.00												
116+44	10	M3-3	24X12	1	2.00										13.0	1	13.0
		M1-4	24X24	1	4.00												
		M1-5	24X24	1	4.00												
117+70	11	R1-1							36 OCT	1	9.00				11.0	1	11.0
		D3-1	48X12	1	4.00												
		D3-1	48X12	1	4.00												
118+73	12	R3-2	36X36	1	9.00										11.0	1	11.0
120+12	13	R8-3	30X30	1	6.25										11.0	1	11.0
121+96	14	R1-1							36 OCT	1	9.00				11.0	1	11.0
		D3-1	48X12	1	4.00												
		D3-1	48X12	1	4.00												
122+36	15	R2-1							36 TRI	1	7.50				11.0	1	11.0
125+53	16	R2-1	30X36	1	7.50										11.0	1	11.0
137+42	17	R1-5	30X30	1	6.25										11.0	1	11.0
137+77	18	R8-3	30X30	1	6.25										11.0	1	11.0
139+83	19	R3-7R	36X36	1	9.00										11.0	1	11.0
141+50	20	R8-3	30X30	1	6.25										11.0	1	11.0
142+45	21	R1-1							36 OCT	1	9.00				11.0	1	11.0
		D3-1	48X12	1	4.00												
		D3-1	48X12	1	4.00												
148+57	22	R1-1							36 OCT	1	9.00				11.0	1	11.0
		D3-1	48X12	1	4.00												
		D3-1	48X12	1	4.00												
Osner Rd																	
10+35	23	R1-5	30X30	1	6.25										11.0	1	11.0
TOTAL				**26.00**	**139.25**					**9.00**	**71.00**		**0.00**	**0.00**		**21.00**	**235.00**

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31717 KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

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NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

SUMMARY QUANTITIES
CDBG ROSWELL ROAD SIDEWALKS

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 06-0002

SUMMARY OF QUANTITIES

EROSION CONTROL													
	TEMPORARY GRASSING	MULCH	CONSTRUCTION EXIT	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	MAINTENANCE OF CONSTRUCTION EXIT	MAINTENANCE OF INLET SEDIMENT TRAP	WATER QUALITY MONITORING AND SAMPLING	WATER QUALITY INSPECTIONS	TEMPORARY SILT FENCE, TP C	SOD	EROSION CONTROL MATS, SLOPES
	AC	TN	EA	LF	EA	LF	EA	EA	EA	MO	LF	SY	SY
	163-0232	163-0240	163-0300	163-0520	163-0550	165-0030	165-0101	165-0105	167-1000	167-1500	171-0030	700-9300	716-2000
ROSWELL ROAD	1	20	3	100	20	1,500	3	20	3	12	3,000	8,950	500
TOTAL	1	20	3	100	20	1500	3	20	3	12	3000	8950	500

LANDSCAPING								
	LAGERSTROEMIA INDICA 'MUSKOGEE'	LIRIOPE MUSCARI 'BIG BLUE'	QUERCUS PHELLOS - HIGHTOWER OAK	RHAPHIOLEPIS INDICA - INDIAN HAWTHORNE	THUJA OCCIDENTALIS - ARBORVITAE	ILEX CORNUTA BURFORDI - BURFORD HOLLY	LANDSCAPE MULCH	BRICK PAVERS (ALL INCLUSIVE)
	EA	EA	EA	EA	EA	EA	SY	SF
	702-0536	702-0560	702-0905	702-0977	702-1059	702-0365	702-9025	900-0039
ROSWELL ROAD	18	5,905	13	43	4	25	2,000	2,100
TOTAL	18	5,905	13	43	4	25	2,000	2,100

GEORGIA REGISTERED PROFESSIONAL ENGINEER 30417 9/5/19 KIMBERLEY TYSON BAKER

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NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

SUMMARY QUANTITIES
CDBG ROSWELL ROAD SIDEWALKS

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 06-0003

QUANTITIES REQUIRED BY AMENDMENT

DATE	ITEM NO.	AMENDMENT DATE	AMENDMENT NUMBER	DESCRIPTION	UNIT	ORIGINAL QUANTITY	REQUIRED BY AMENDMENT QUANTITY
11/01/2019	702-0977	11/01/2019	1	RHAPHIOLEPIS INDICA-INDIAN HAWTHORNE	EA	43	68
11/01/2019	702-0365	11/01/2019	1	ILEX CORNUTA BURFORDI-BURFORD HOLLY	EA	25	0
11/14/2019	515-2020	11/14/2019	1	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	LF	200	0
11/14/2019	643-8405	11/14/2019	1	SPECIAL DESIGN DECORATIVE FENCE	LF	0	200
11/14/2019	636-1033	11/14/2019	1	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	139	165
11/14/2019	636-1041	11/14/2019	1	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	68.25	0

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31727 KIMBERLEY TYSON BAKER 9/5/19

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NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES		
11/01/2019		
11/14/2019		

QUANTITIES (AMENDMENT)

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		07-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

QUANTITIES REQUIRED ON CONSTRUCTION

DATE	ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	PREVIOUS QUANTITY	REQUIRED ON CONSTRUCTION QUANTITY

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31911 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

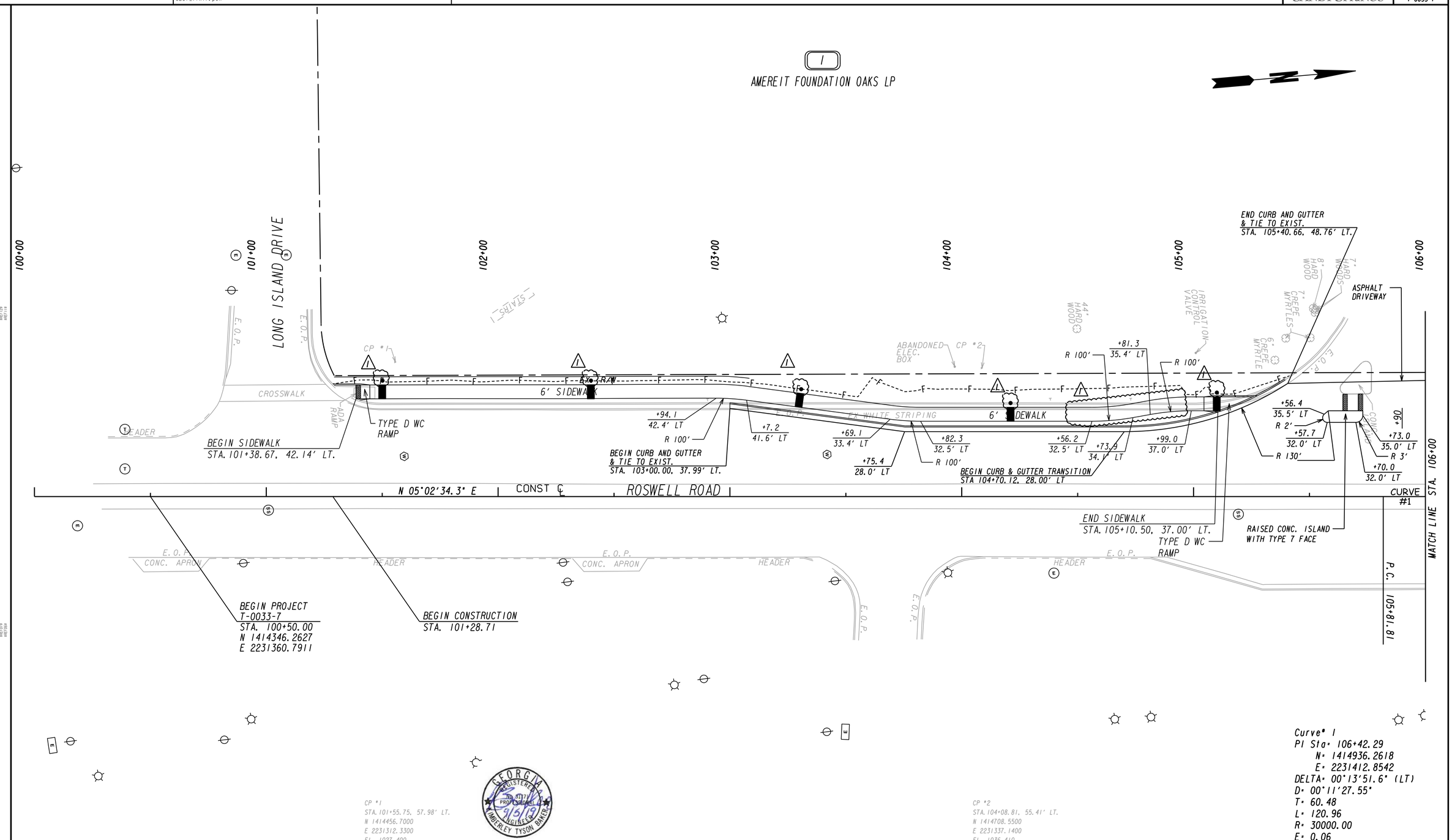
Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES
11/01/2019

QUANTITIES (CONSTRUCTION)
CDBG ROSWELL ROAD SIDEWALKS

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 08-0001



Curve# 1
PI Sta= 106+42.29
N= 1414936.2618
E= 2231412.8542
DELTA= 00°13'51.6" (LT)
D= 00°11'27.55"
T= 60.48
L= 120.96
R= 30000.00
E= 0.06

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
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SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

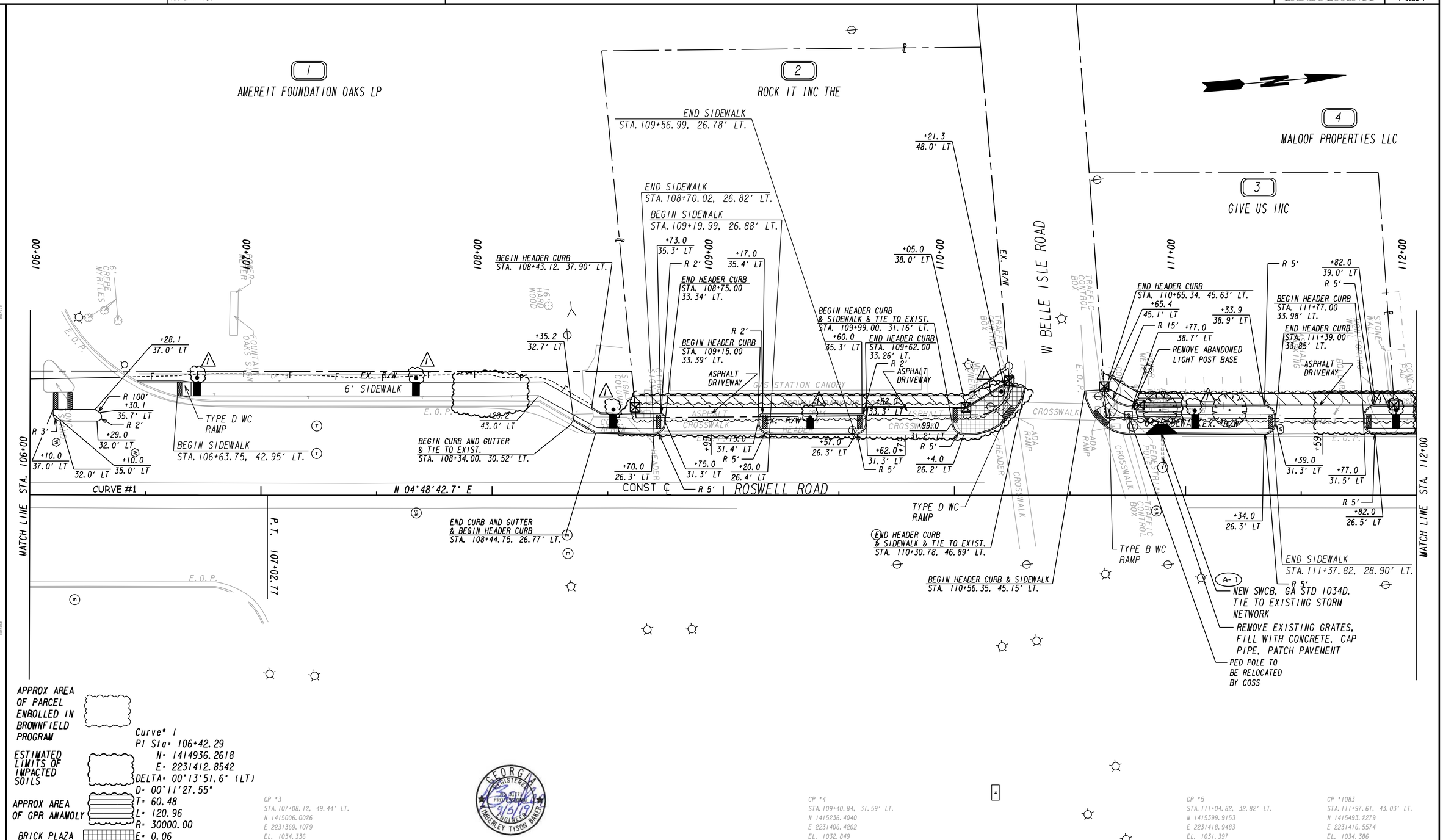
REVISION DATES		
09/09/19		

CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
BEGIN PROJECT TO STA. 106+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 13-0001



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
09/09/19		

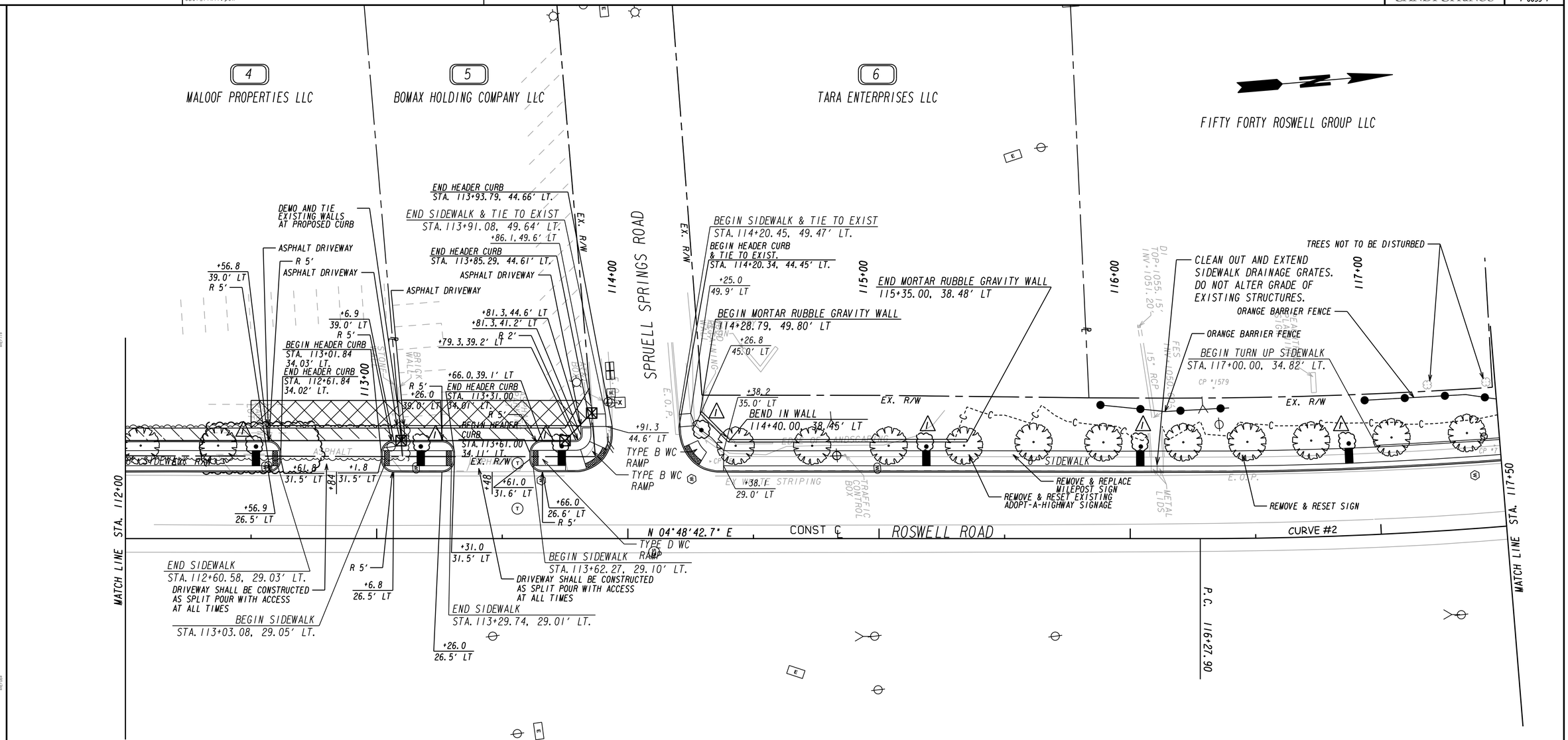
CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
STA. 106+00 TO STA. 112+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 13-0002

10/23/2015 GPLN



APPROX AREA OF PARCEL ENROLLED IN BROWNFIELD PROGRAM

ESTIMATED LIMITS OF IMPACTED SOILS

APPROX AREA OF GPR ANAMOLY

CP *6
STA. 114+33.04, 30.69' LT.
N 1415726.8018
E 2231448.6031
EL. 1043.952

CP *1579
STA. 116+33.65, 59.93' LT.
N 1415928.9251
E 2231436.2630
EL. 1056.732

CP *7
STA. 117+48.07
32.31' LT.
N 1416038.5424
E 2231468.5014
EL. 1054.189

Curve# 2
PI Sta= 117+51.47
N= 1416041.5340
E= 2231505.8969
DELTA= 09°25'08.8" (LT)
D= 03°49'10.99"
T= 123.57
L= 246.59
R= 1500.00
E= 5.08

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31711 KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

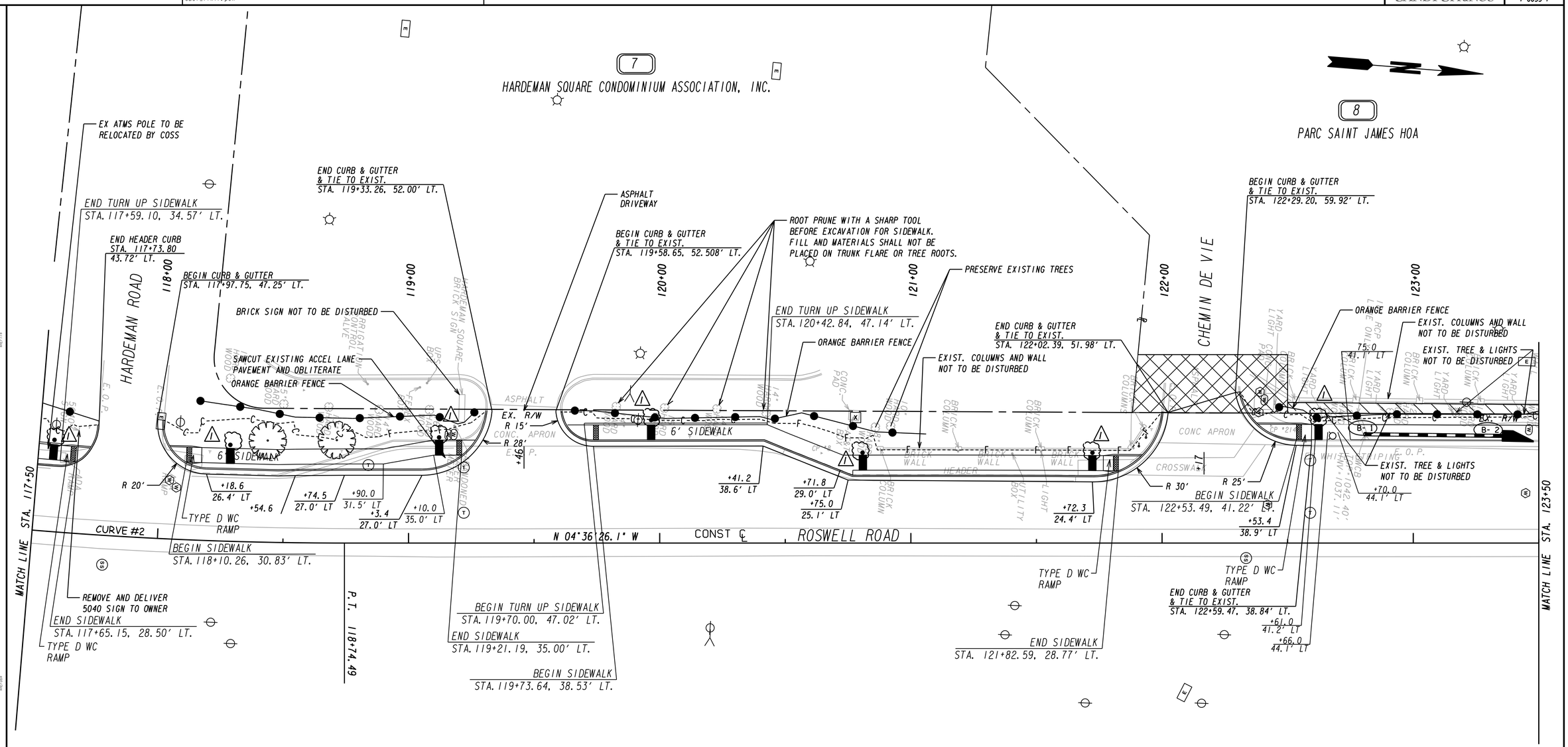
REVISION DATES		
09/09/19		

CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
STA. 112+00 TO STA. 117+50

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0003
CORRECTED:		DATE:	
VERIFIED:		DATE:	

10/23/2015 GPLN



Curve# 2
PI Sta= 117+51.47
N= 1416041.5340
E= 2231505.8969
DELTA= 09°25'08.8" (LT)
D= 03°49'10.99"
T= 123.57
L= 246.59
R= 1500.00
E= 5.08

CP #1773
STA. 118+57.84, 60.69' LT.
N 1416143.9047
E 2231436.6745
EL. 1055.000

CP #8
STA. 120+64.59, 35.72' LT.
N 1416351.3271
E 2231445.0974
EL. 1047.235

CP #2147
STA. 122+43.59, 46.65' LT.
N 1416528.8667
E 2231419.8261
EL. 1042.865

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

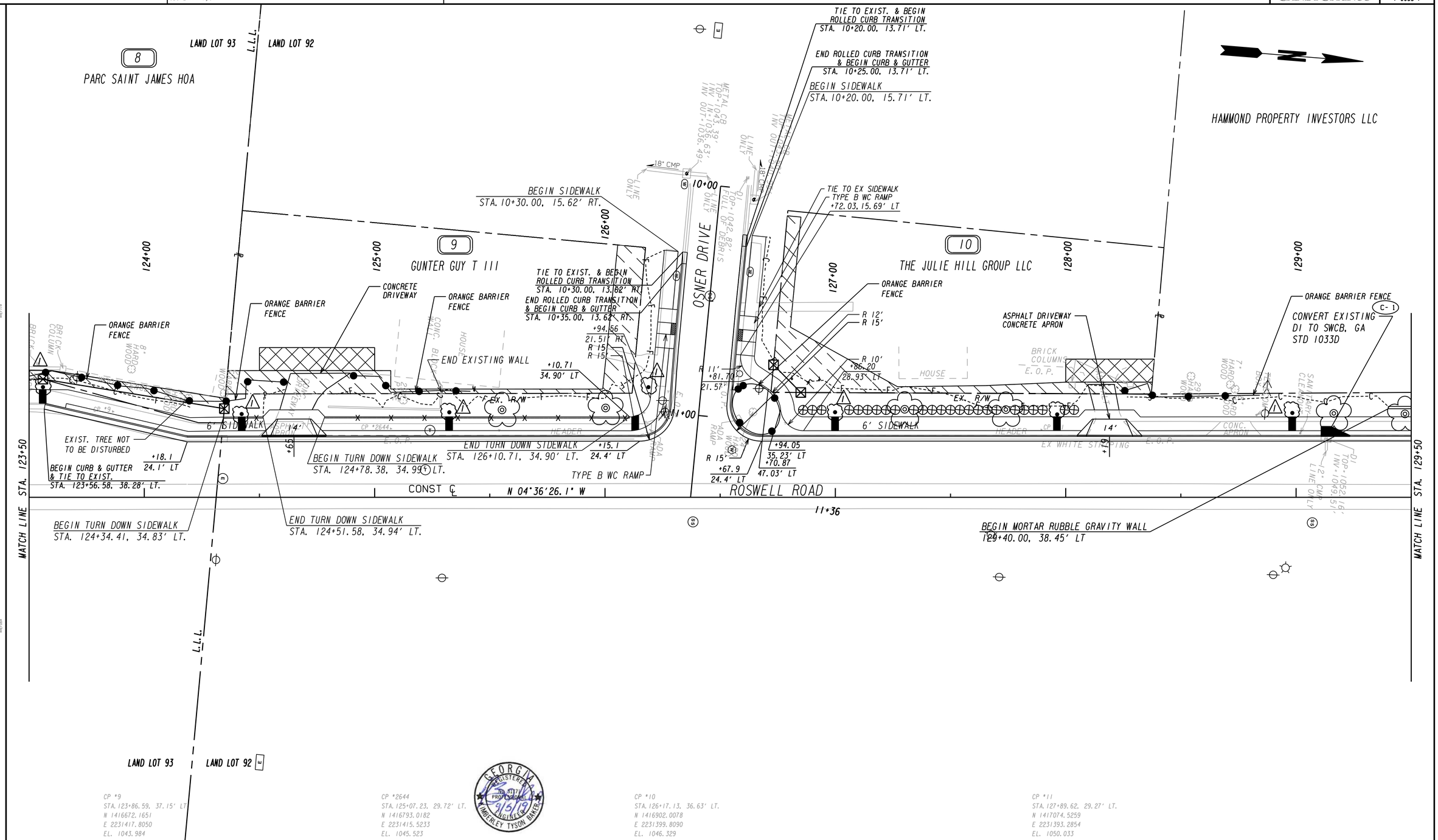
SCALE IN FEET
0 20 40 80

REVISION DATES		
09/09/19		

CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
STA. 117+50 TO STA. 123+50

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0004
CORRECTED:		DATE:	
VERIFIED:		DATE:	



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

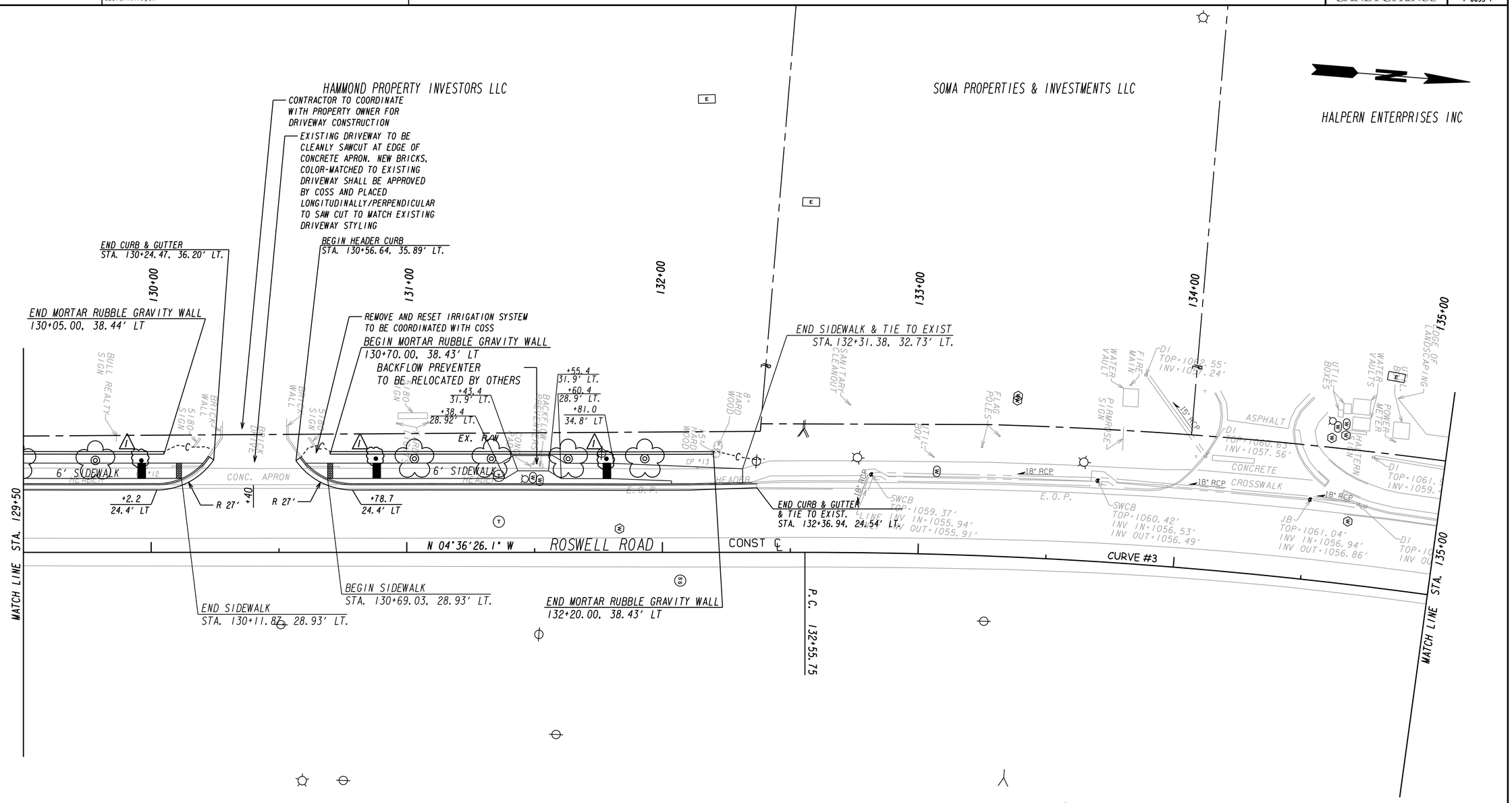
REVISION DATES
09/09/19

CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
STA. 123+50 TO STA. 129+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 13-0005



Curve# 3
PI Sta= 138+80.37
N= 1418164.1096
E= 2231334.8486
DELTA= 38°16'30.4" (RT)
D= 03°10'59.16"
T= 624.63
L= 1202.45
R= 1800.00
E= 105.30

CP #12
STA. 129+98.71, 33.00' LT.
N 1417282.6476
E 2231372.7750
EL. 1054.133

CP #13
STA. 132+13.89, 32.87' LT.
N 1417497.1432
E 2231355.6176
EL. 1058.047

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

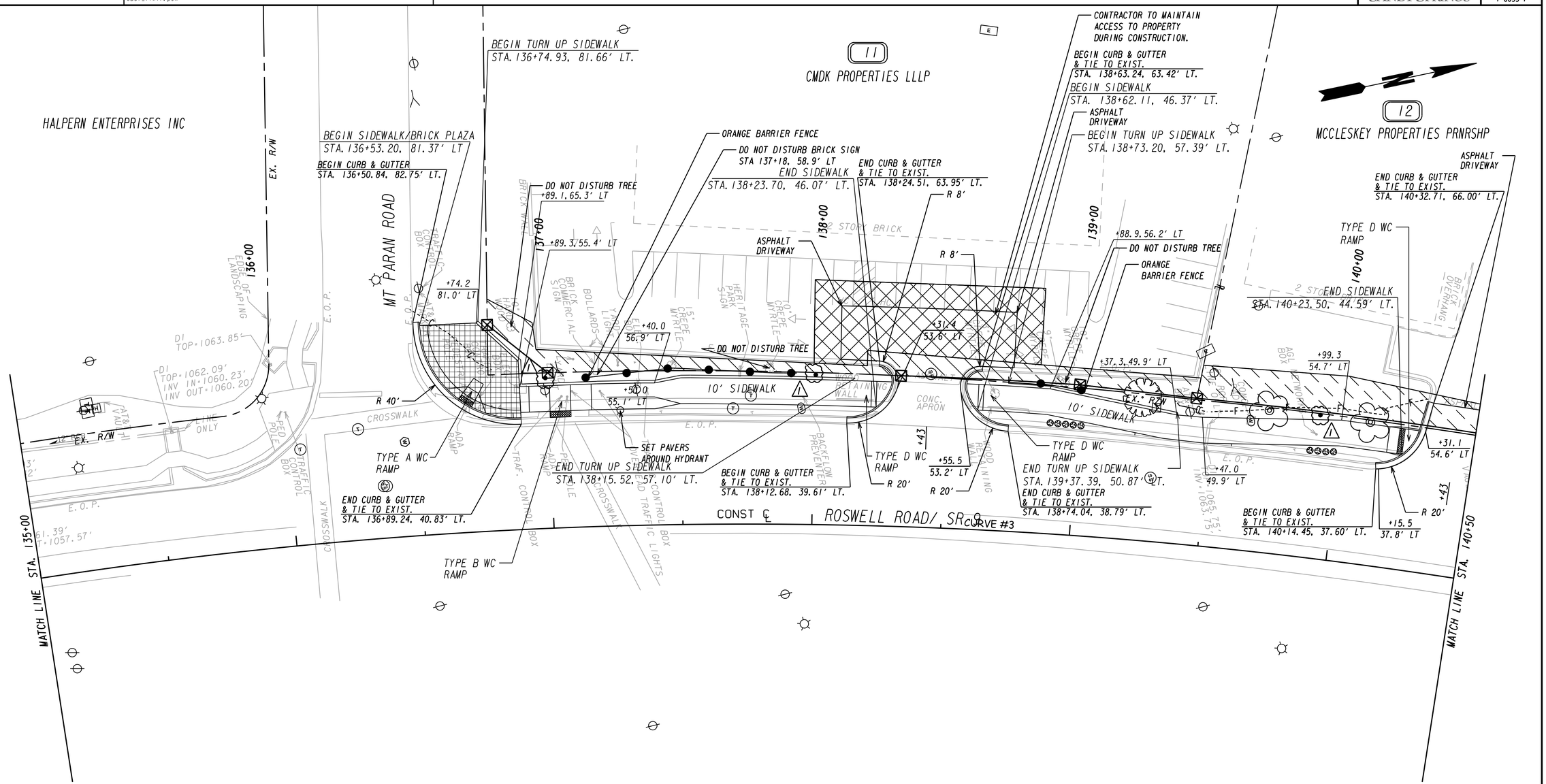
REVISION DATES		
09/09/19		

CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
STA. 129+50 TO STA. 135+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 13-0006



Curve# 3
PI Sta= 138+80.37
N= 1418164.1096
E= 2231334.8486
DELTA= 38°16'30.4" (RT)
D= 03°10'59.16"
T= 624.63
L= 1202.45
R= 1800.00
E= 105.30

CP #14
STA. 136+80.28, 45.38' LT.
N 1417971.7759
E 2231356.0778
EL. 1065.029

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31727 9/5/19 KIMBERLEY TYSON BAKER

BRICK PLAZA

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

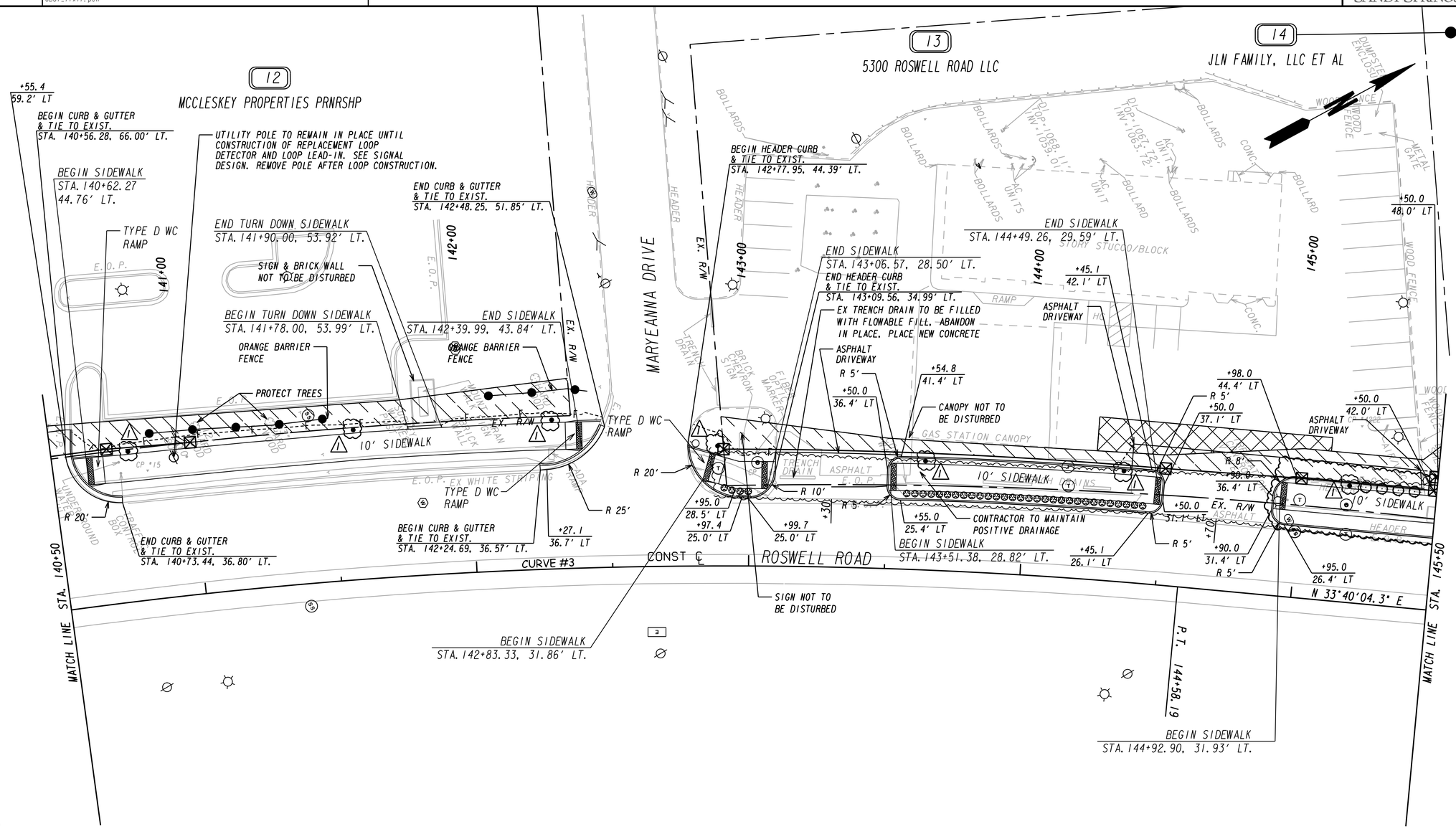
REVISION DATES		
09/09/19		

CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
STA. 135+00 TO STA. 140+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 13-0007



APPROX AREA OF PARCEL ENROLLED IN BROWNFIELD PROGRAM

ESTIMATED LIMITS OF IMPACTED SOILS

APPROX AREA OF GPR ANAMOLY

Curve# 3
PI Sta= 138+80.37
N= 1418164.1096
E= 2231334.8486
DELTA= 38°16'30.4" (RT)
D= 03°10'59.16"
T= 624.63
L= 1202.45
R= 1800.00
E= 105.30

CP #15
STA. 140+83.98, 47.47' LT.
N 1418370.8685
E 2231463.3296
EL. 1066.785

CP #16
STA. 143+05.97, 36.23' LT.
N 1418571.3246
E 2231570.4544
EL. 1067.363

CP #4222
STA. 145+20.59, 65.23' LT.
N 1418772.0619
E 2231661.4284
EL. 1067.566

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31711 KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

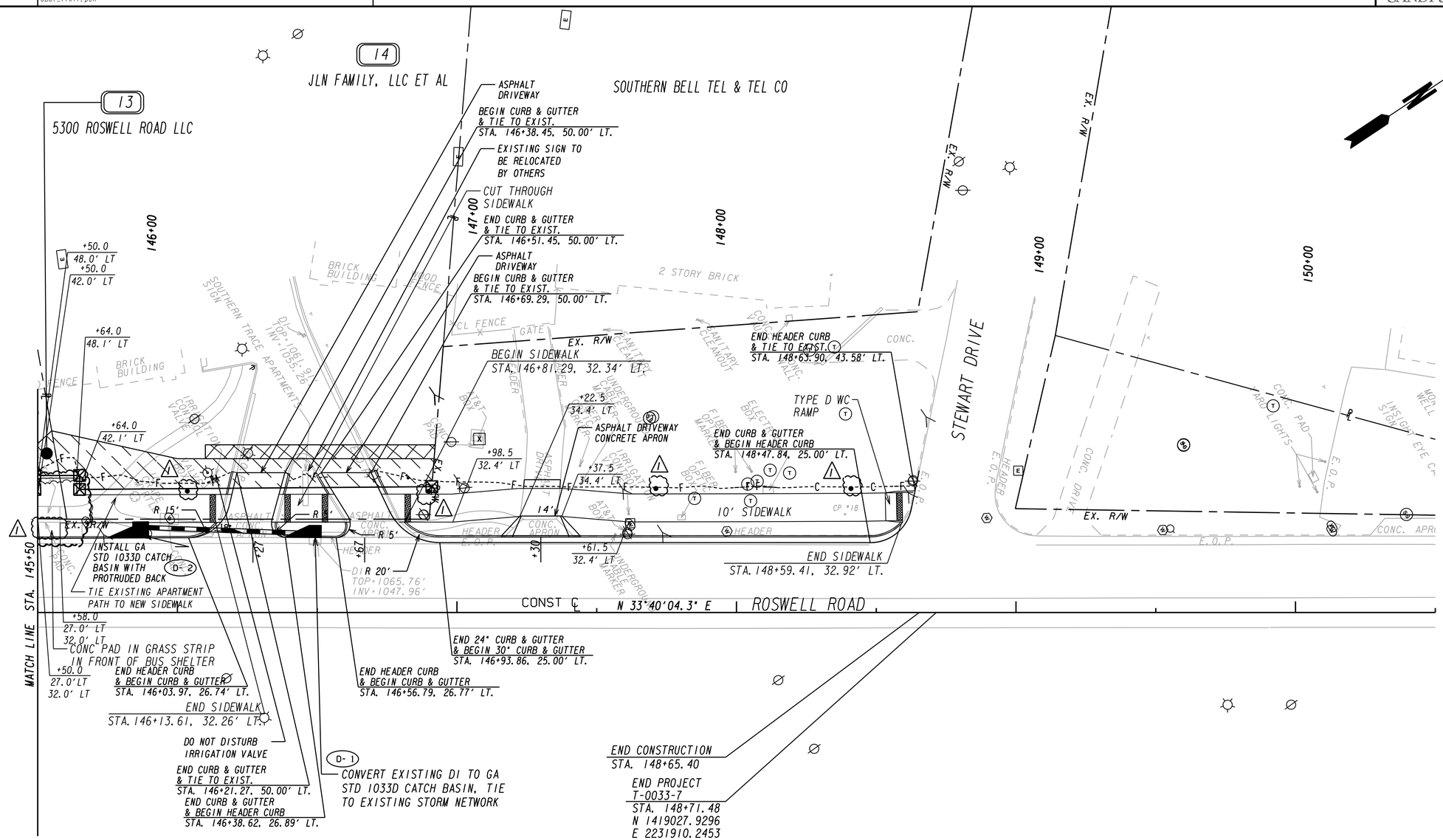
REVISION DATES		
09/09/19		

CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
STA. 140+50 TO STA. 145+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 13-0008



GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 37171 9/16/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET 0 20 40 80

REVISION DATES		
09/09/19		

CONSTRUCTION PLAN

CDBG ROSWELL ROAD SIDEWALKS
STA. 145+50 TO END PROJECT

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 13-0009

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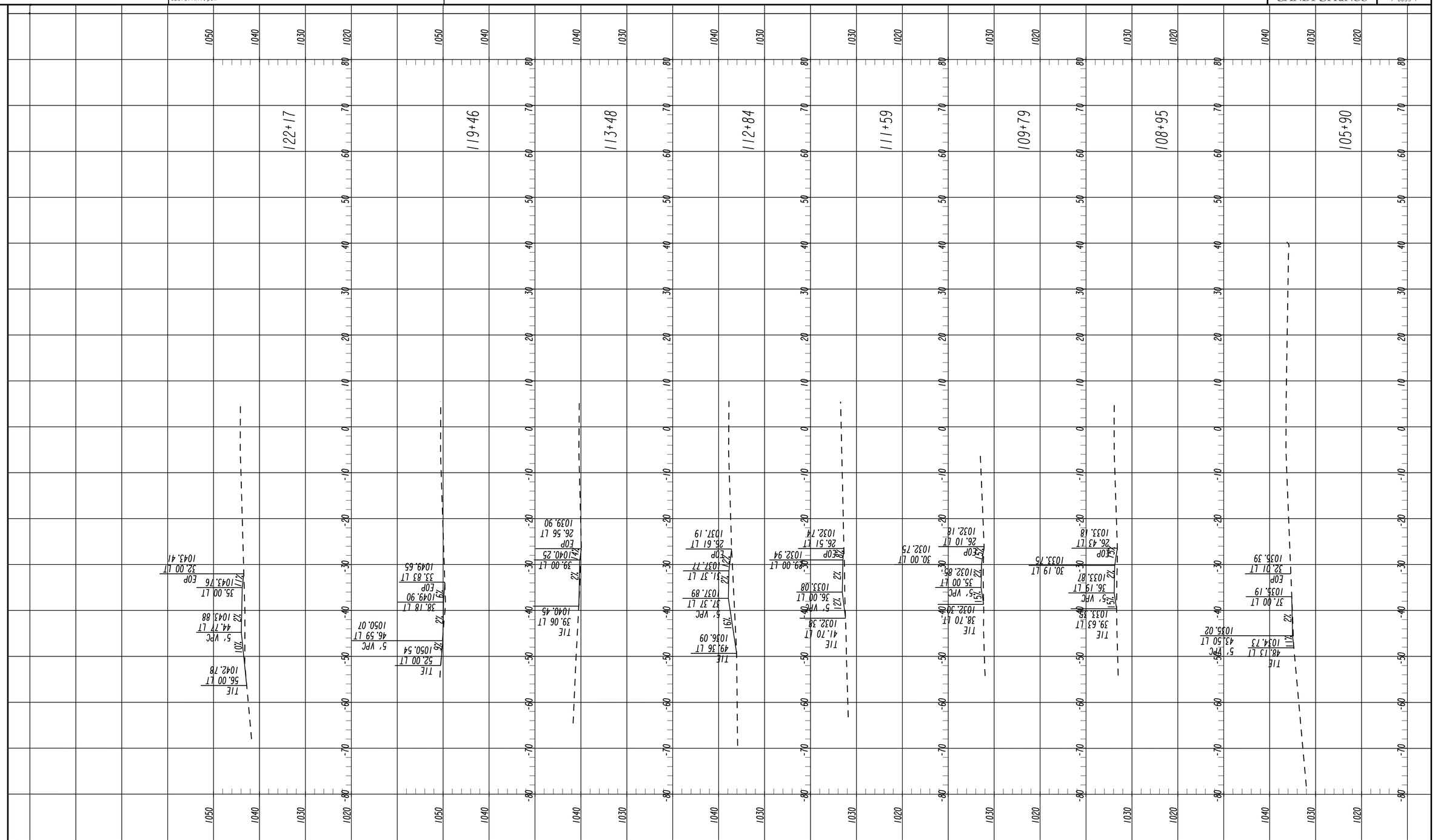
Kimberley.Baker GDOT_11x17.pen

CITY OF SANDY SPRINGS

P. I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

DRIVEWAY PROFILES

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 17-0001

7/31/2015 SUXSEW

17-SEP-2019 14:00 2:00:46 PM
Kimberley.Baker

150057-R1_171
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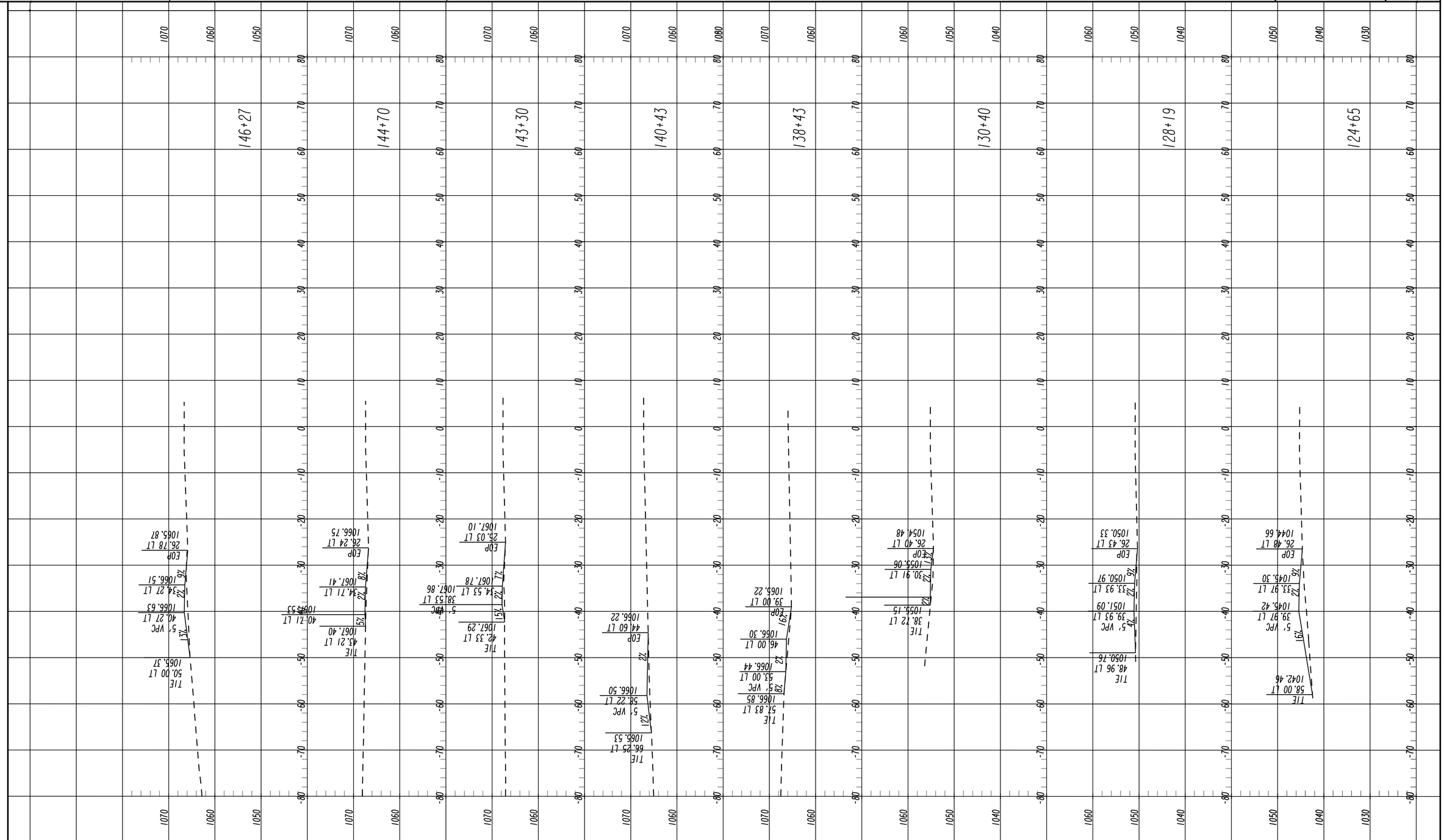
CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS
GEORGIA

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

DRIVEWAY PROFILES

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
17-0002

7/31/2015 SUXSEW

17-SEP-2019 14:00 2:00:49 PM
Kimberley.Baker

150057-R1_172
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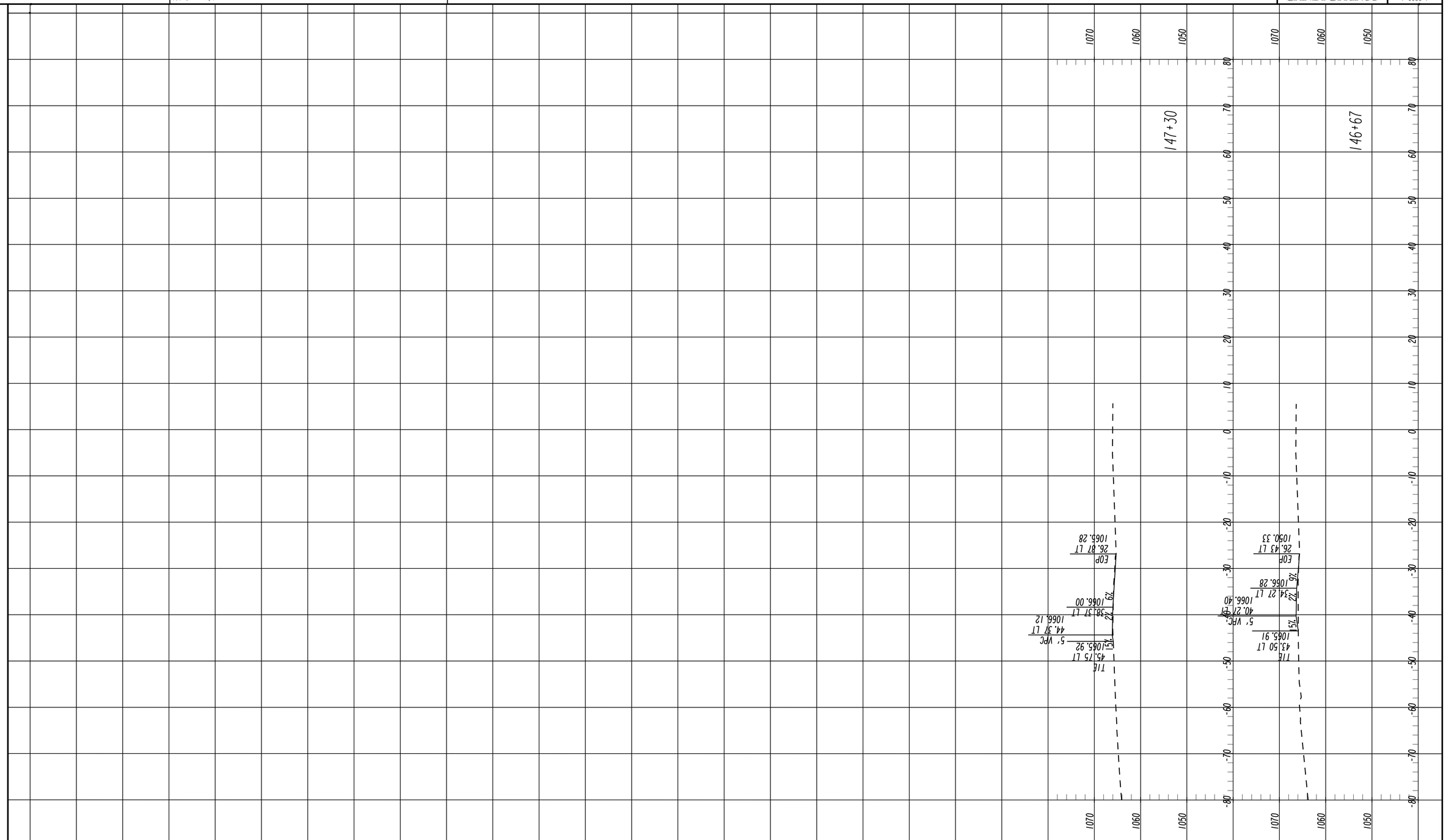
CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31171 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

DRIVEWAY PROFILES

CDBG ROSWELL ROAD SIDEWALKS

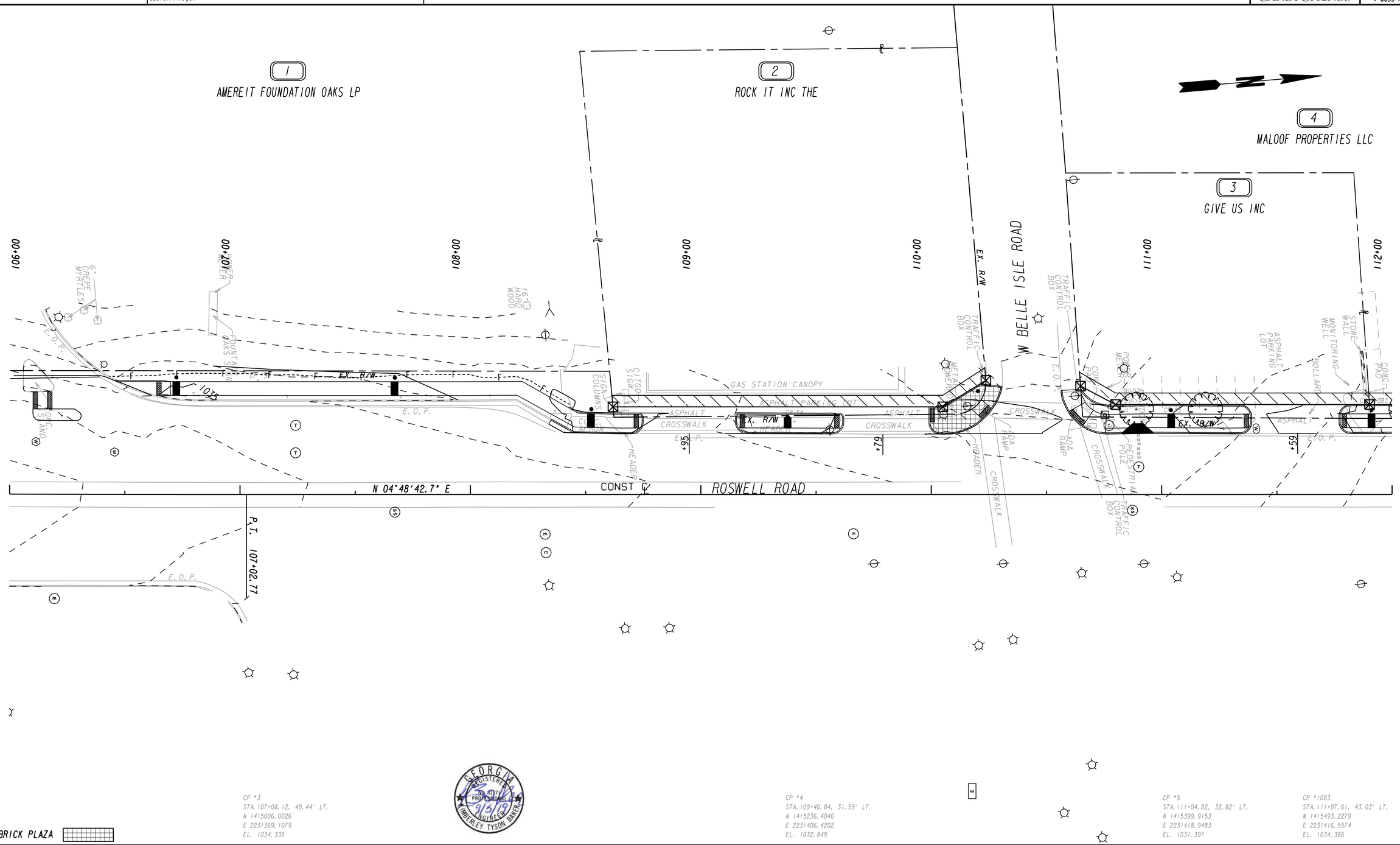
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 17-0003

7/31/2015 SUXSEW

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31171 KIMBERLEY TYSON BAKER 9/5/19

BRICK PLAZA

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

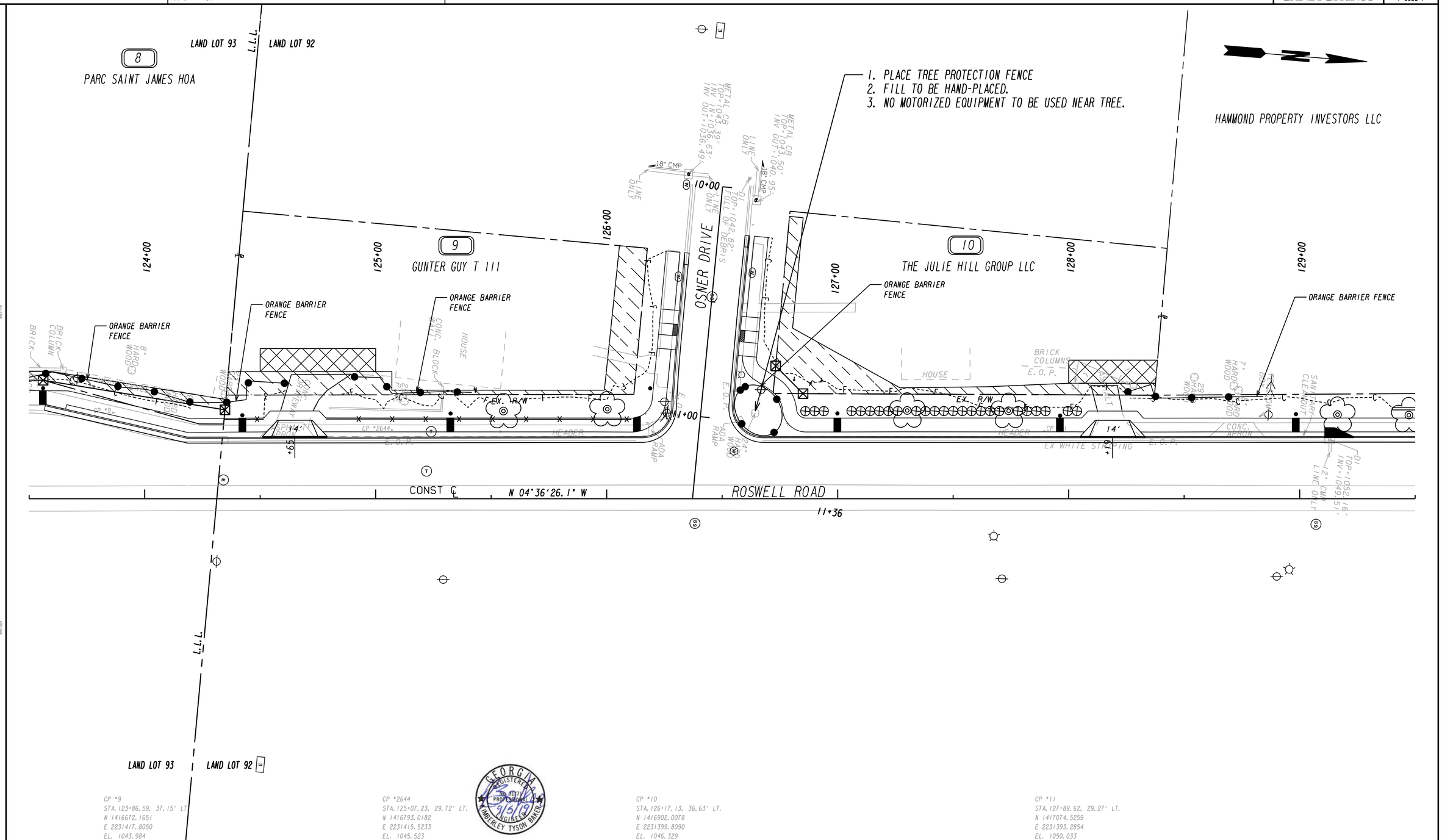
REVISION DATES

SPECIAL GRADING

CDBG ROSWELL ROAD SIDEWALKS
STA. 106+00 TO STA. 112+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 18-0001



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

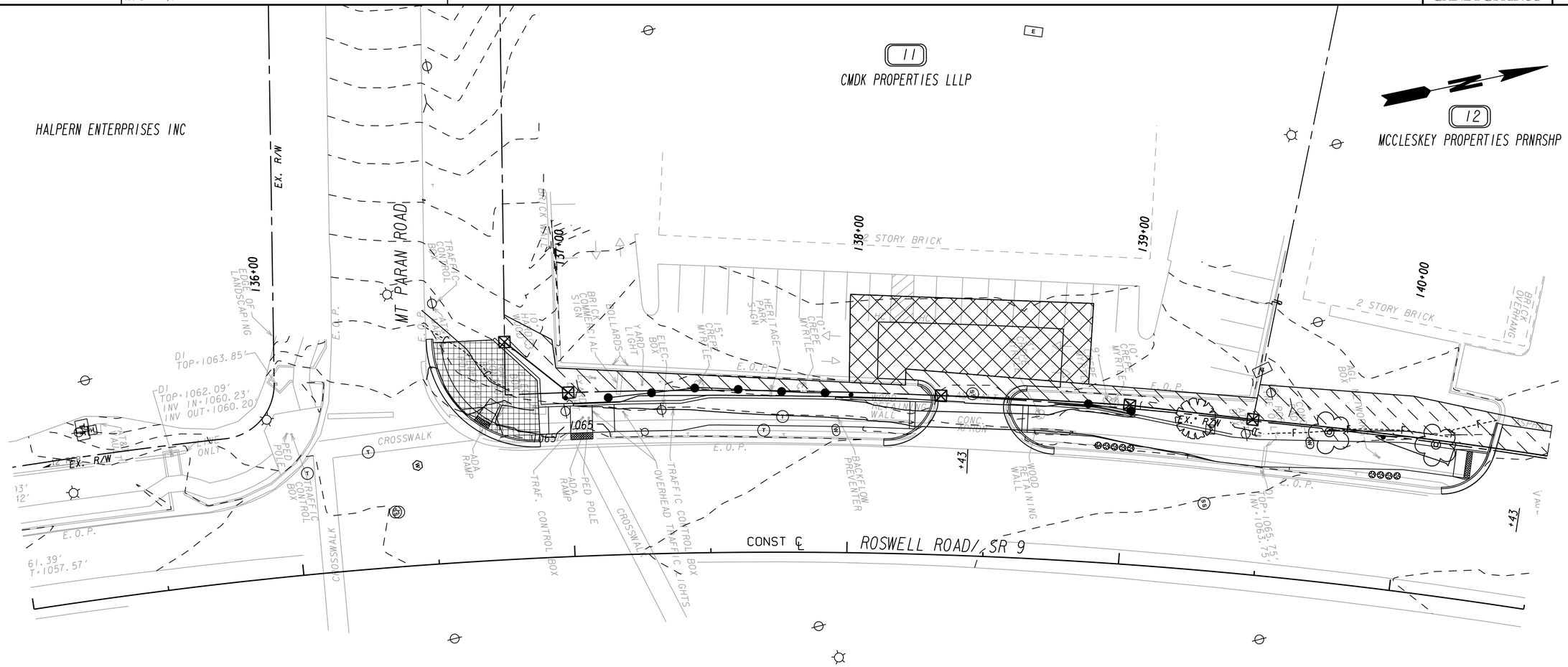
REVISION DATES

SPECIAL GRADING

CDBG ROSWELL ROAD SIDEWALKS
STA. 123+50 TO STA. 129+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 18-0002



BRICK PLAZA

CP #14
STA. 136+80.28, 45.38' LT.
N 1417971.7759
E 2231356.0778
EL. 1065.029

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

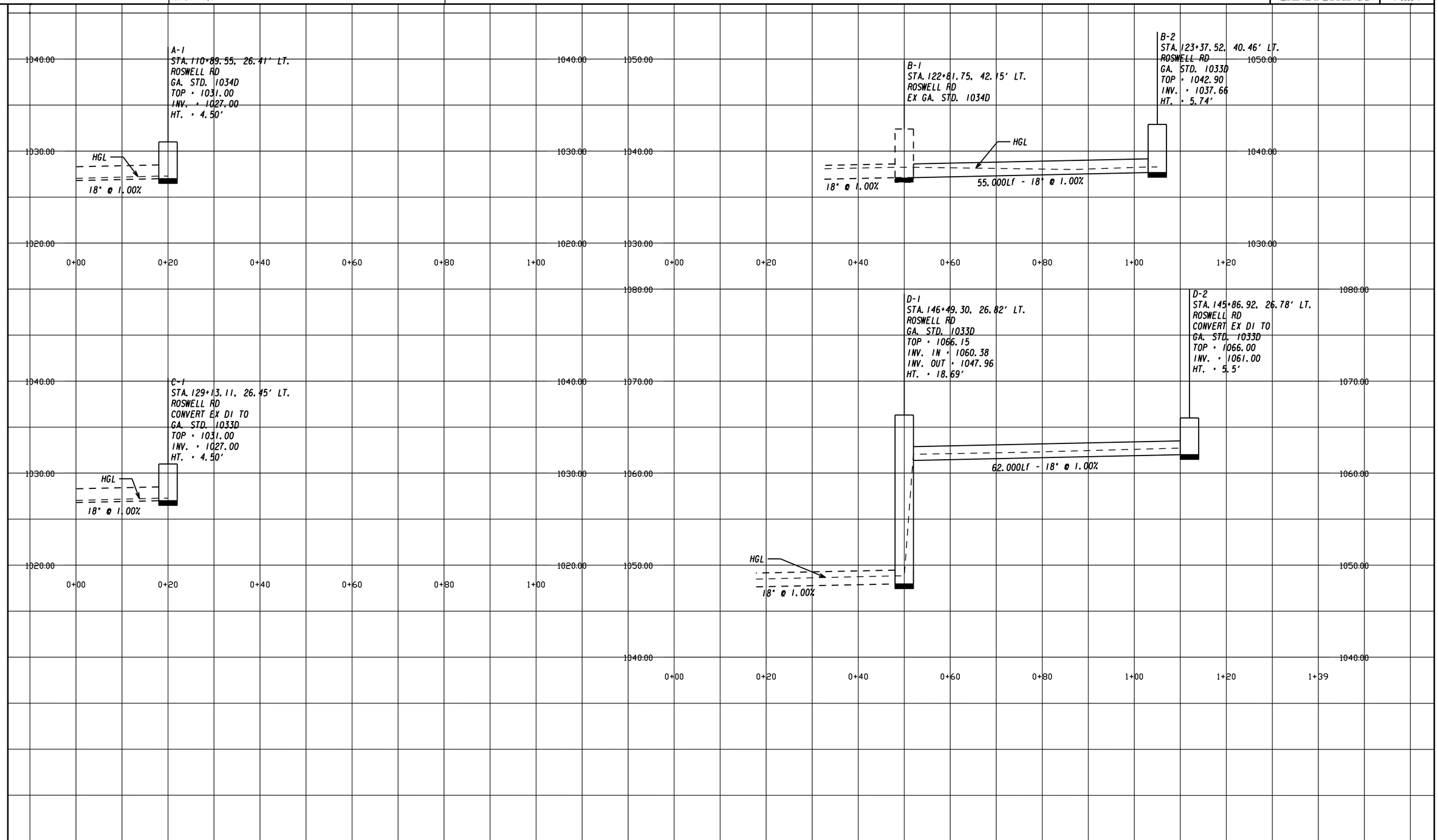
REVISION DATES

SPECIAL GRADING

CDBG ROSWELL ROAD SIDEWALKS
STA. 135+00 TO END PROJECT

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 18-0003



GEORGIA REGISTERED PROFESSIONAL ENGINEER 30417 KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 20 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

DRAINAGE PROFILES

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 22-0001

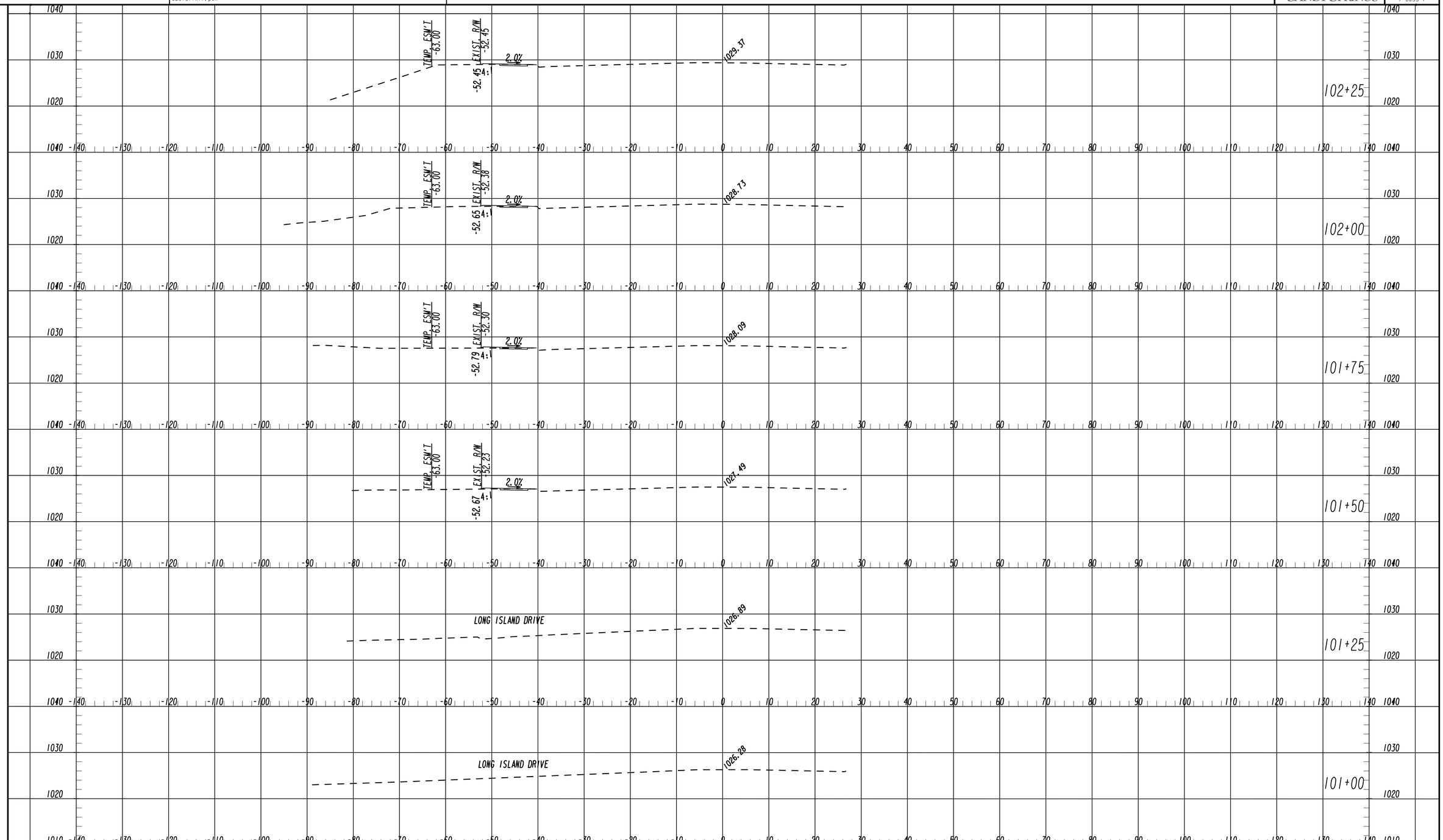
17-SEP-2019 14:01 2:01:54 PM
Kimberley.Baker

150057-R1_23
GDOT_11x17.pen

R:\150057\Roswell\Dgn\150057-R1_23.dgn

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

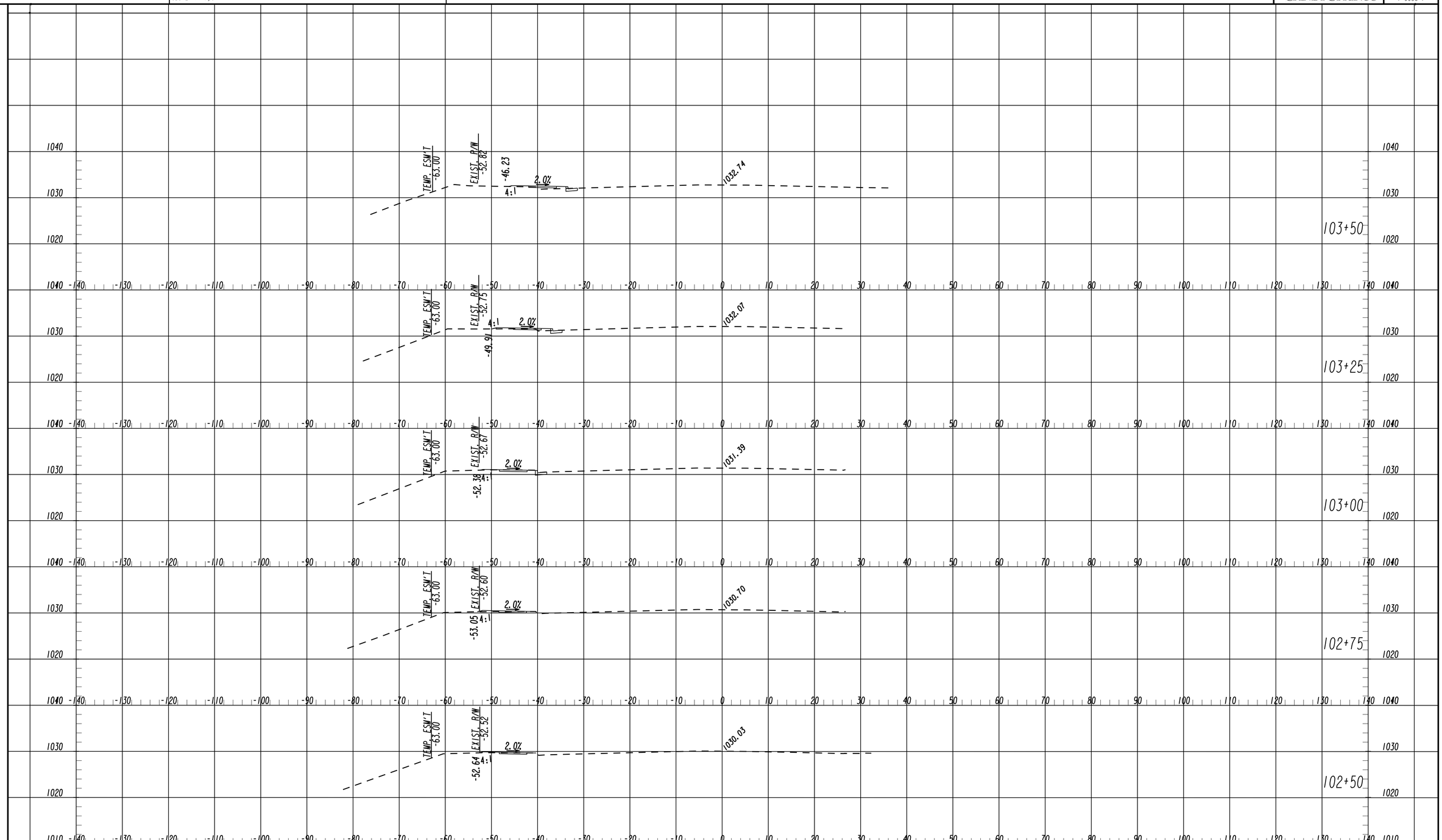
CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0001

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/16/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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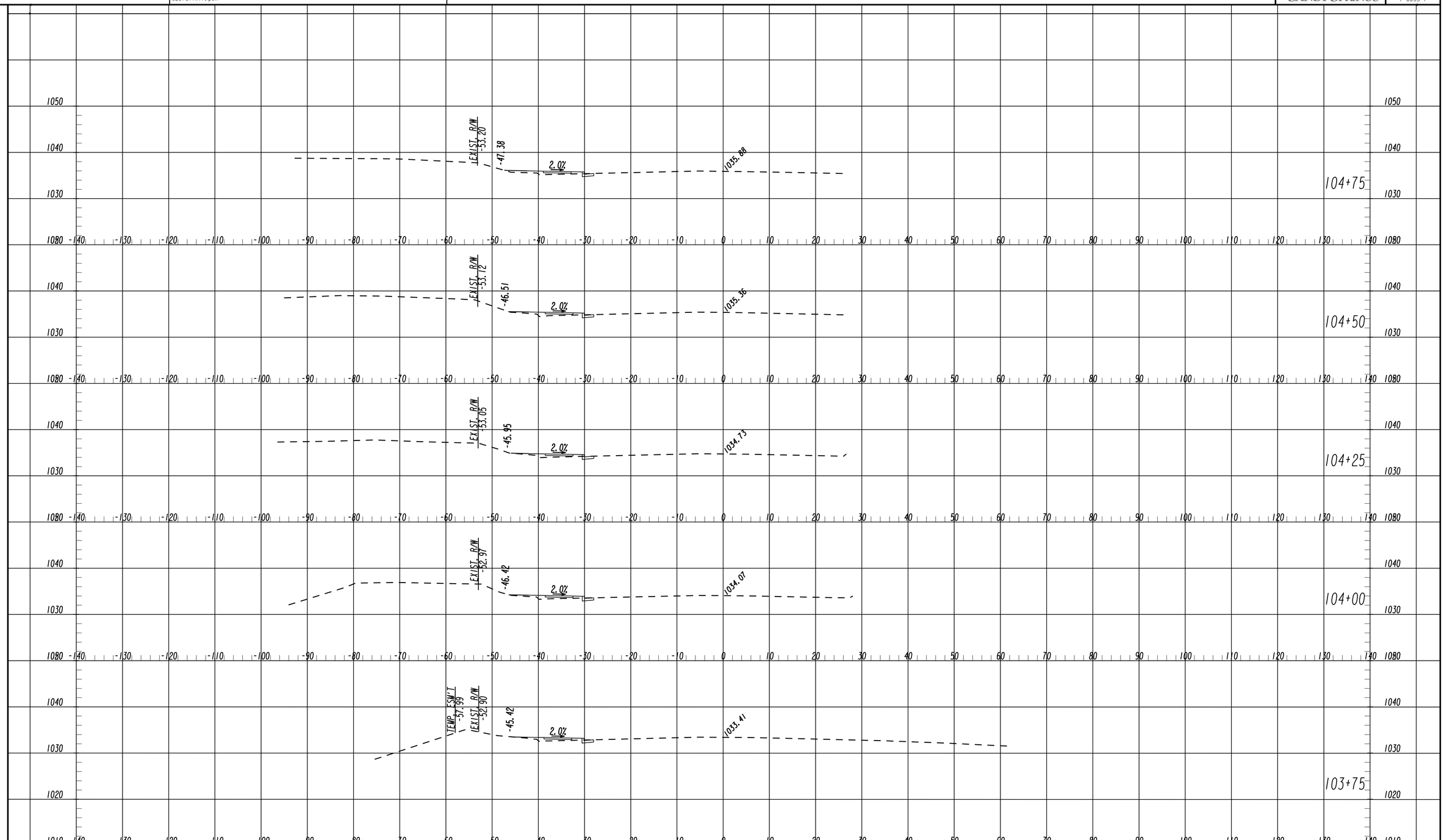
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0002

7/31/2015 SUXSEW



SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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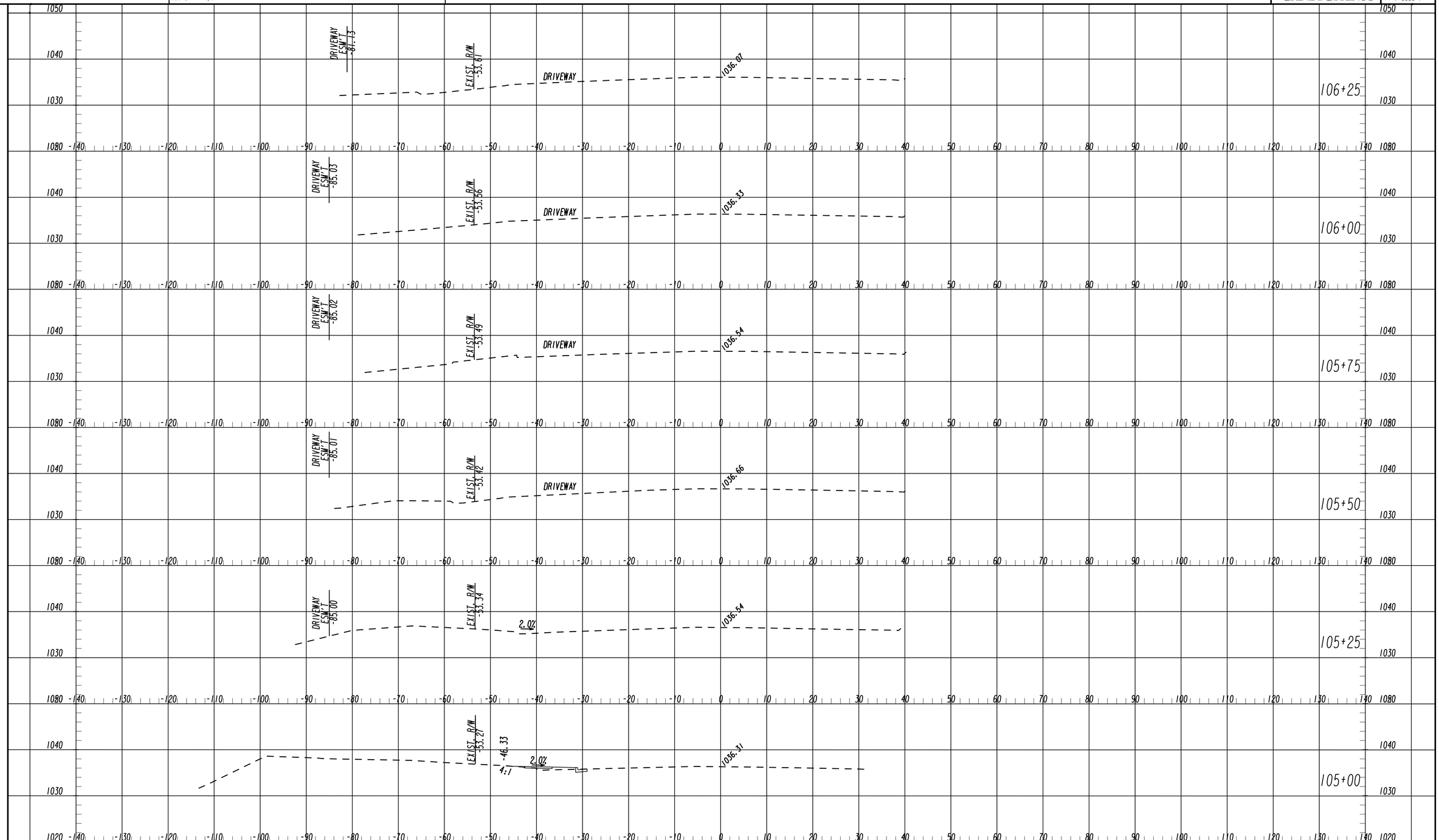
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0003



SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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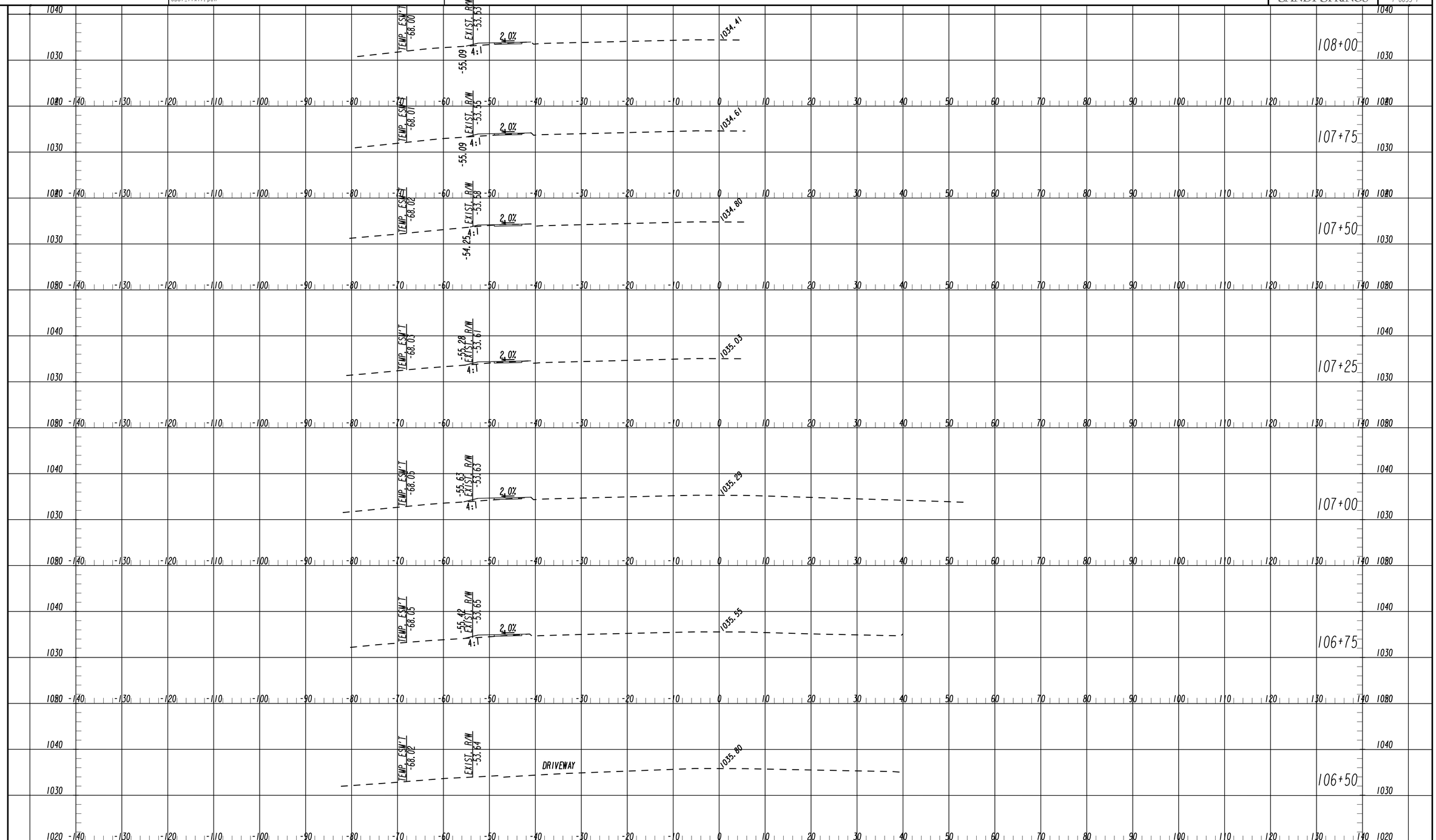
VERIFIED:		DATE:	

DRAWING No. 23-0004

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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BACKCHECKED:		DATE:	
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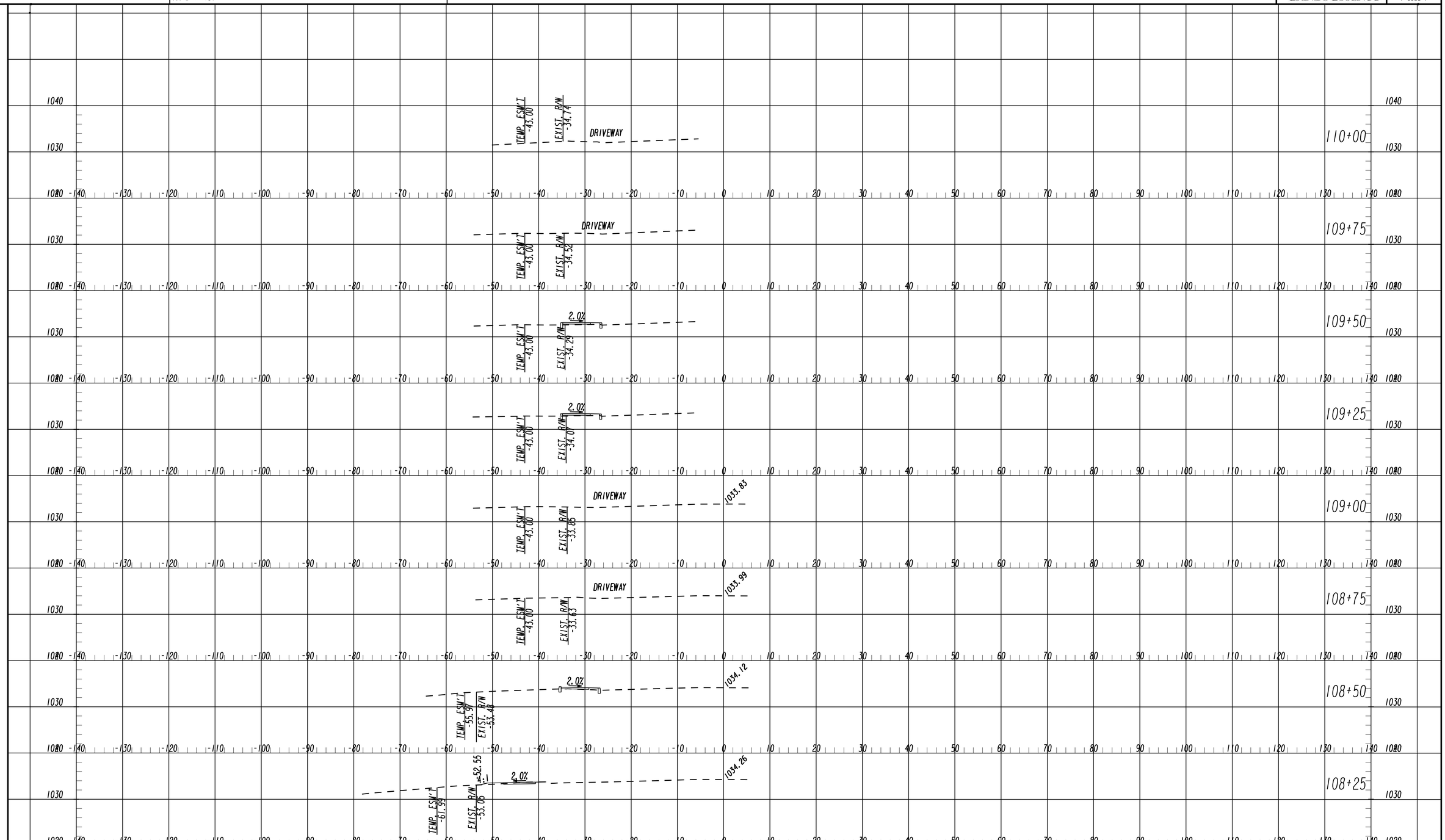
VERIFIED:		DATE:	

DRAWING No. 23-0005



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
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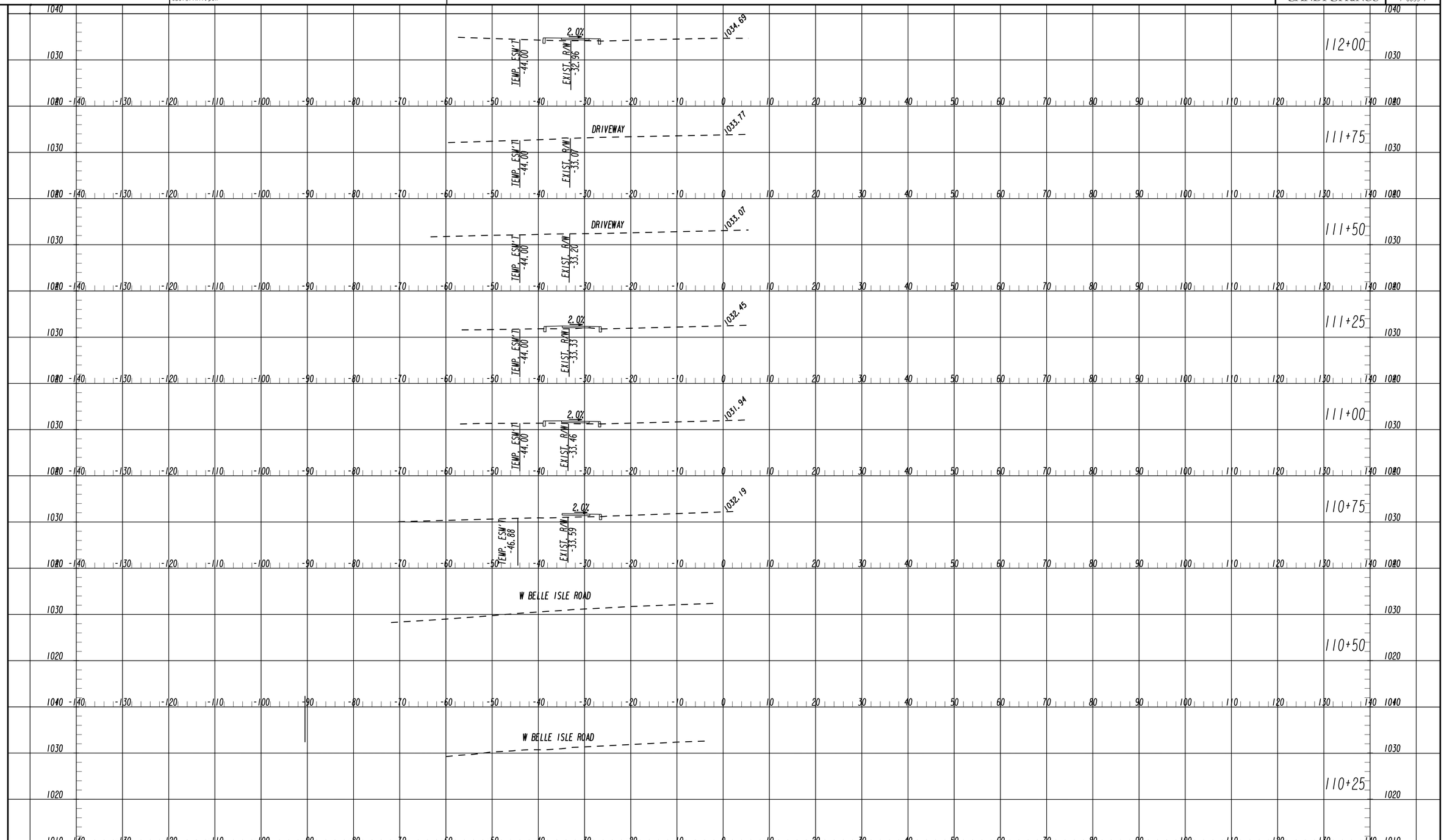
DRAWING No. 23-0006

7/31/2015 SUXSEW

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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BACKCHECKED:		DATE:	
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DRAWING No. 23-0007

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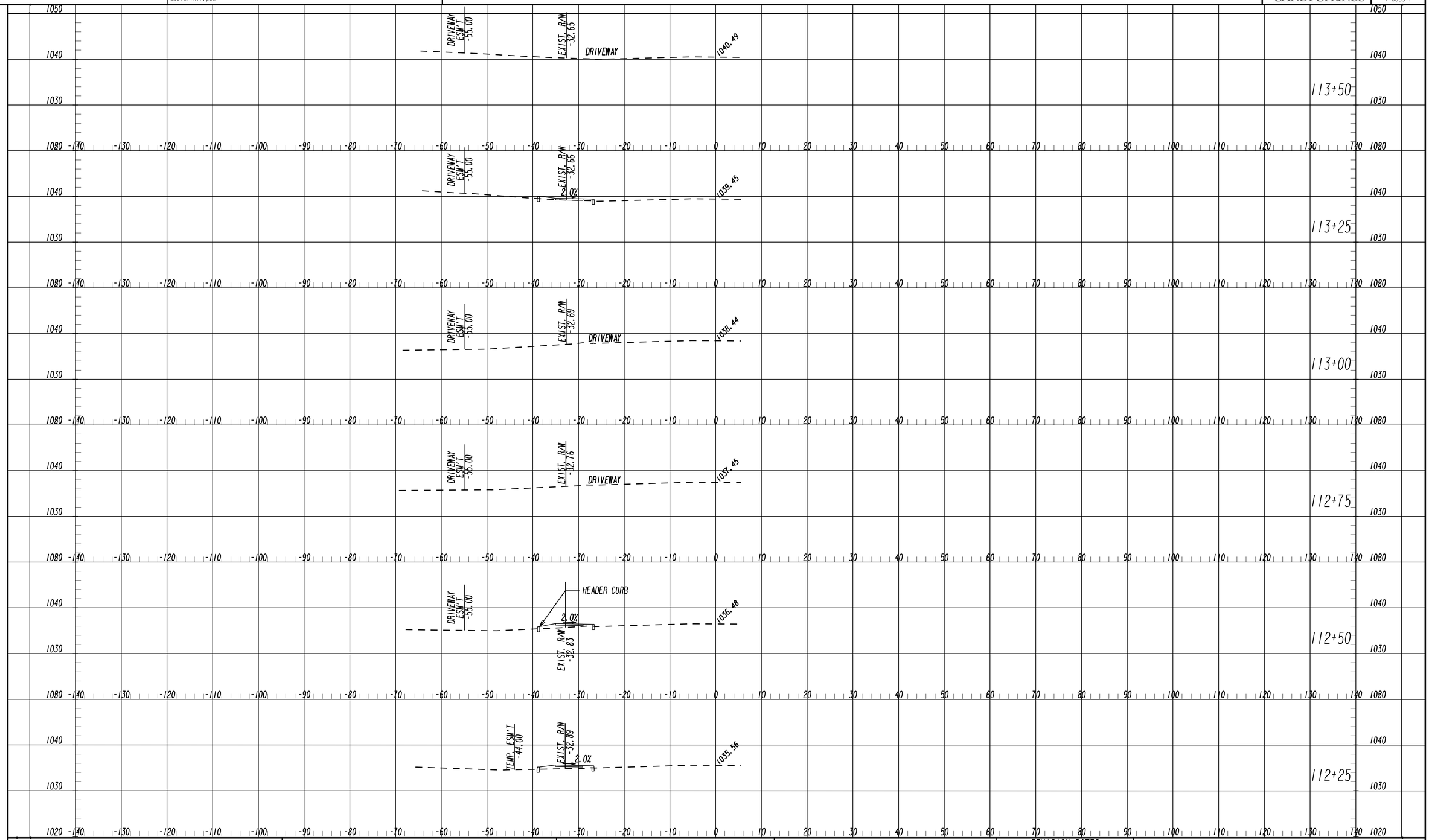
Kimberley.Baker GDOT_11x17.pen

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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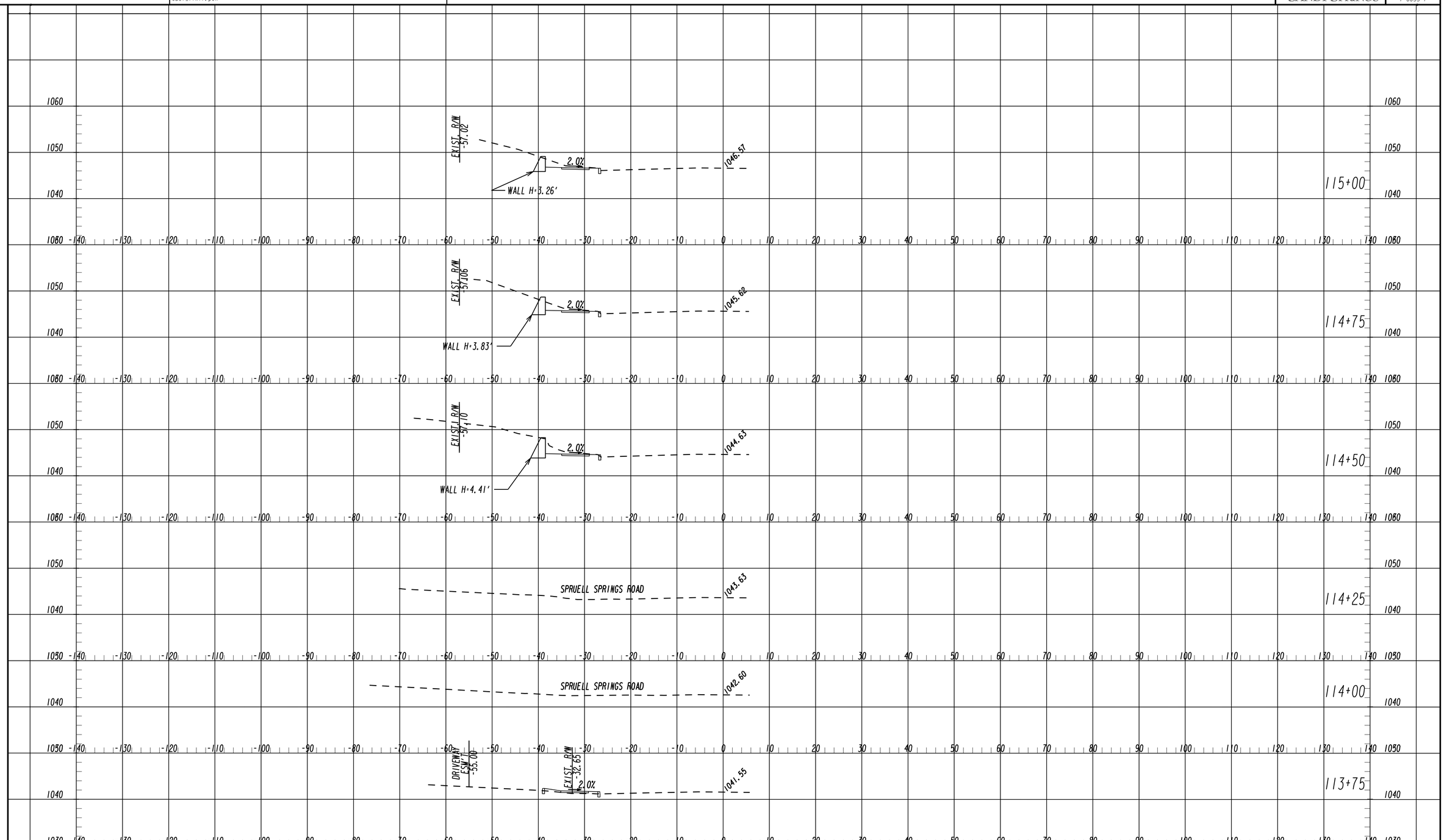
DRAWING No. 23-0008

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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BACKCHECKED:		DATE:	
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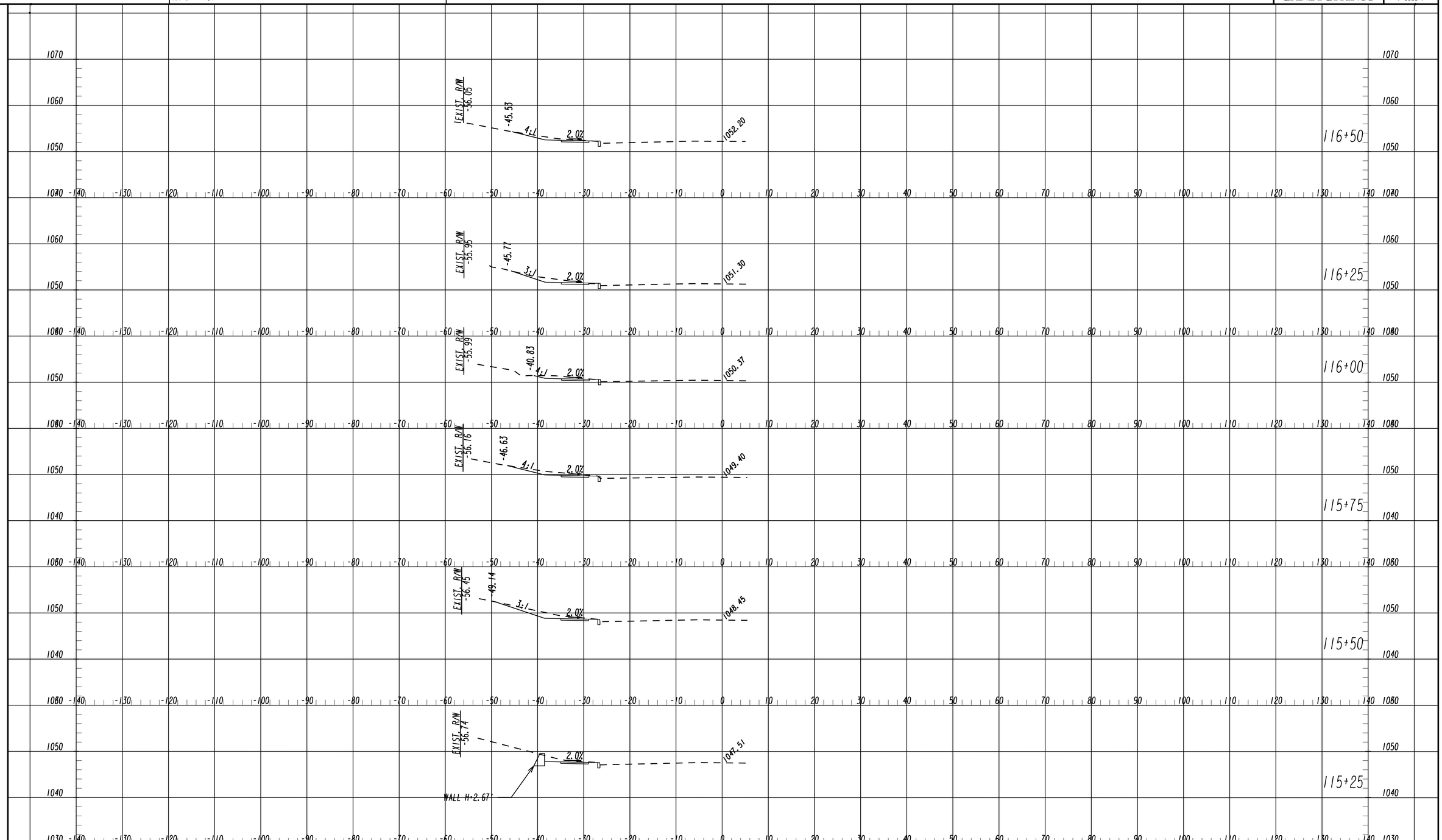
VERIFIED:		DATE:	

DRAWING No. 23-0009



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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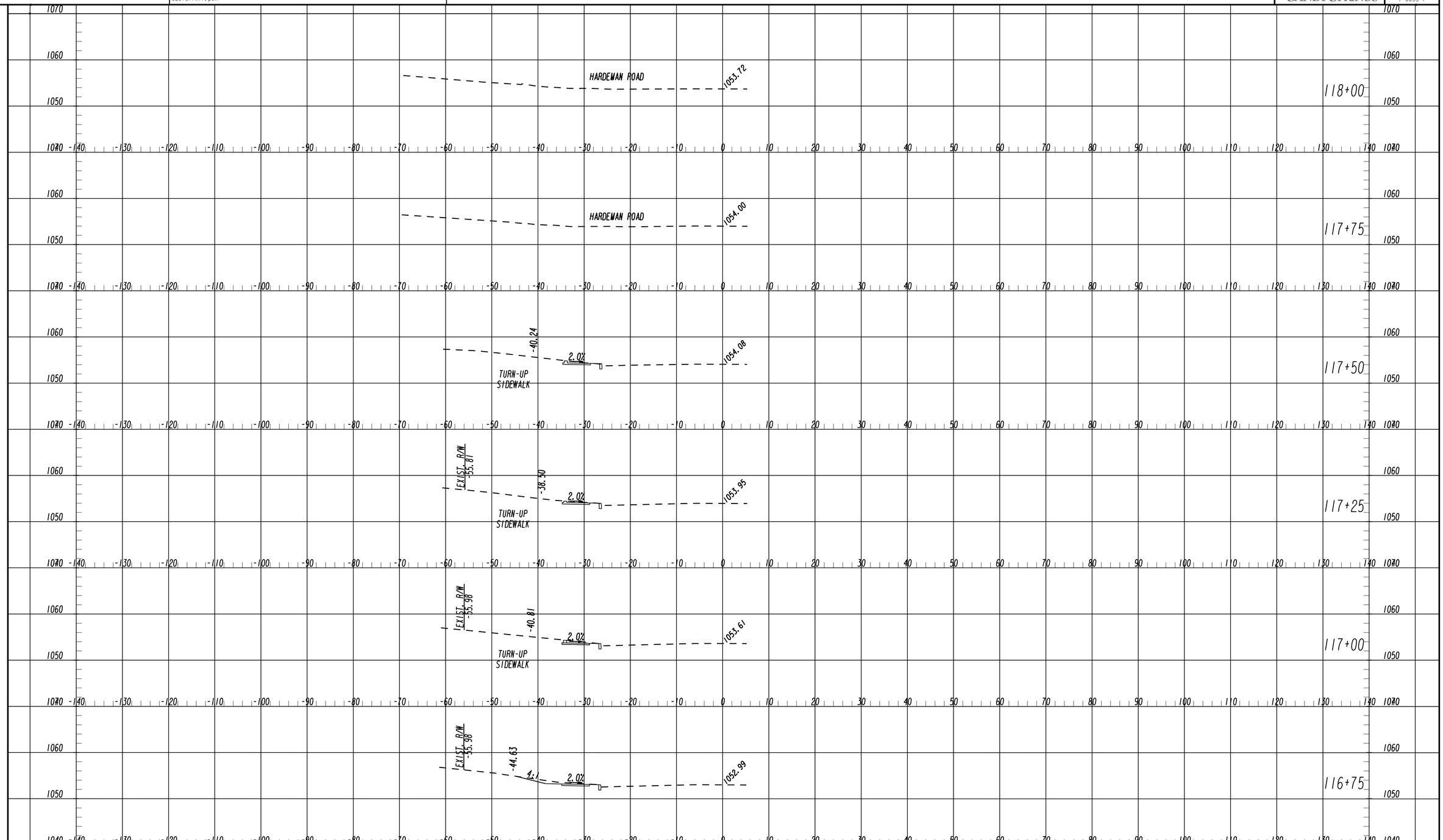
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0010



SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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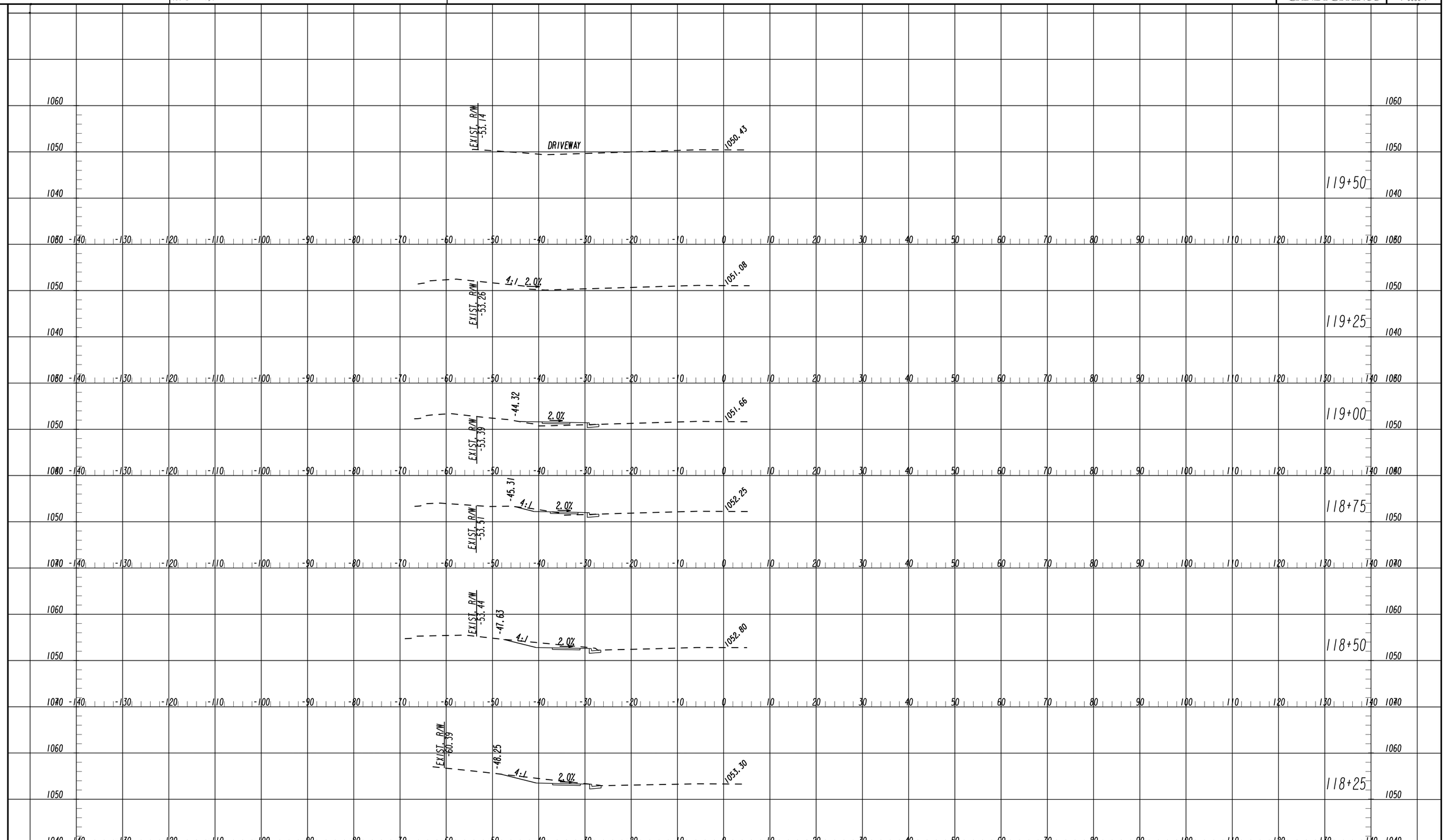
VERIFIED:		DATE:	

DRAWING No. 23-0011



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
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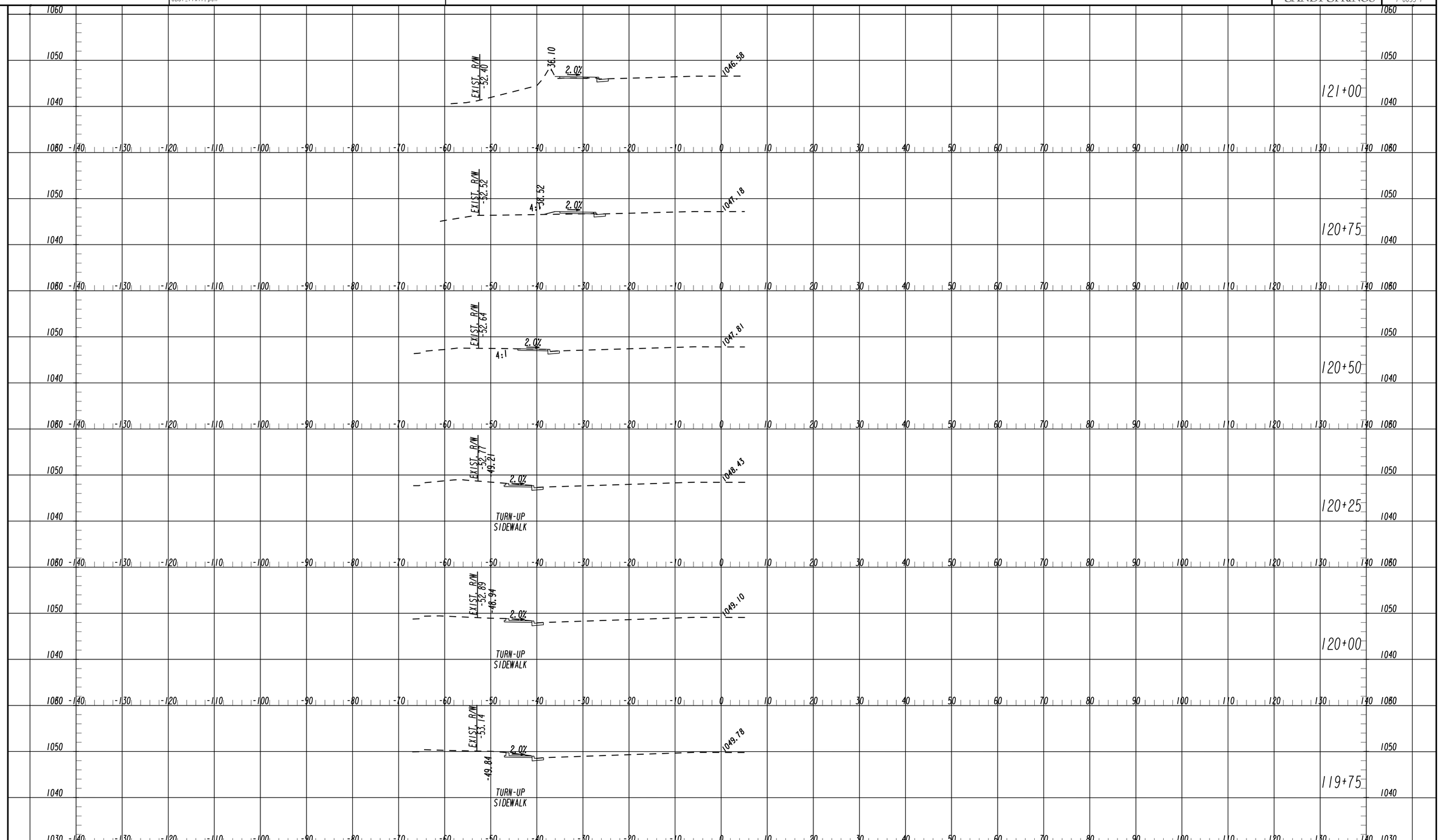
VERIFIED:		DATE:	

DRAWING No. 23-0012

CITY OF SANDY SPRINGS

P. I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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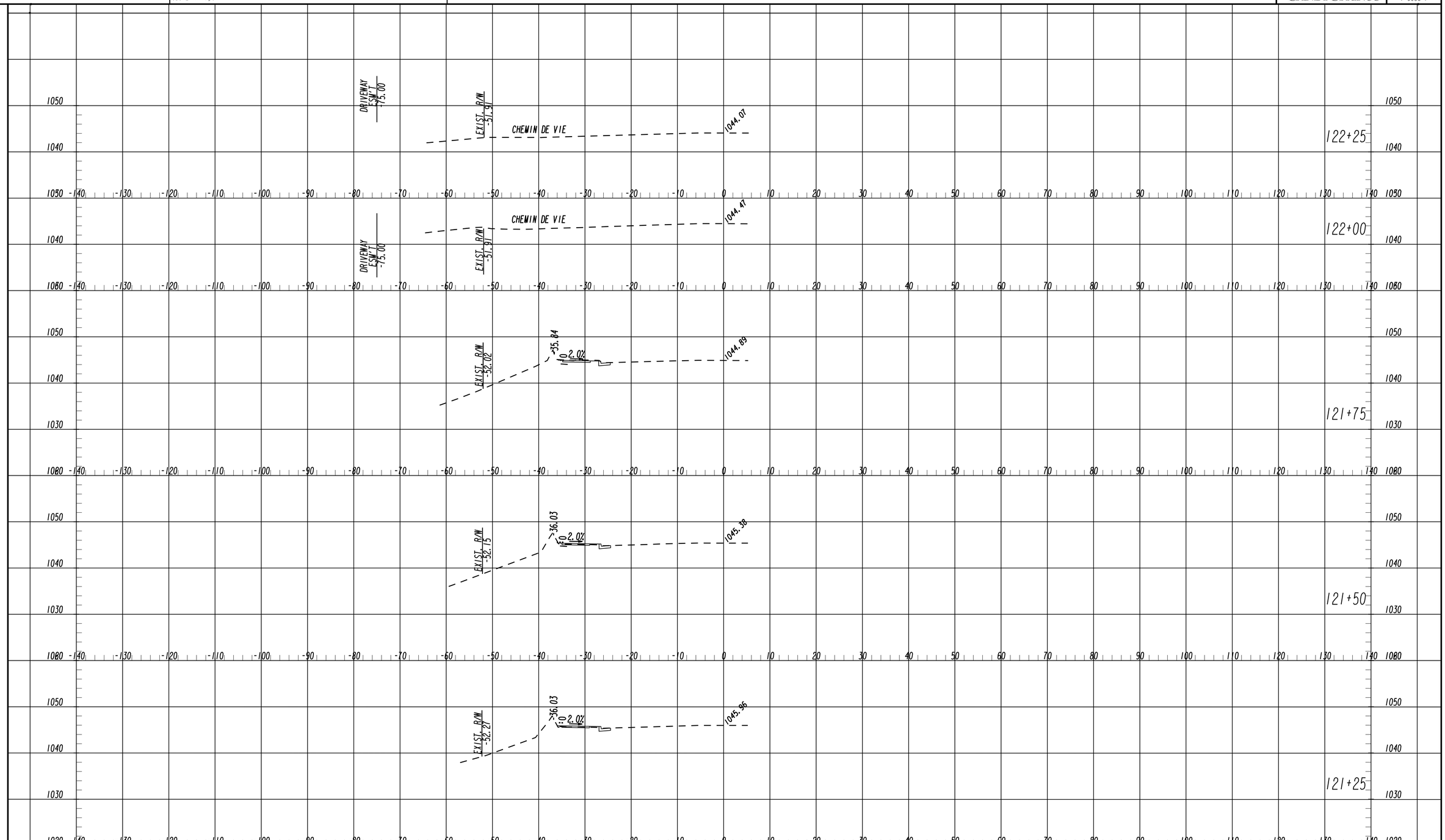
DRAWING No. 23-0013



SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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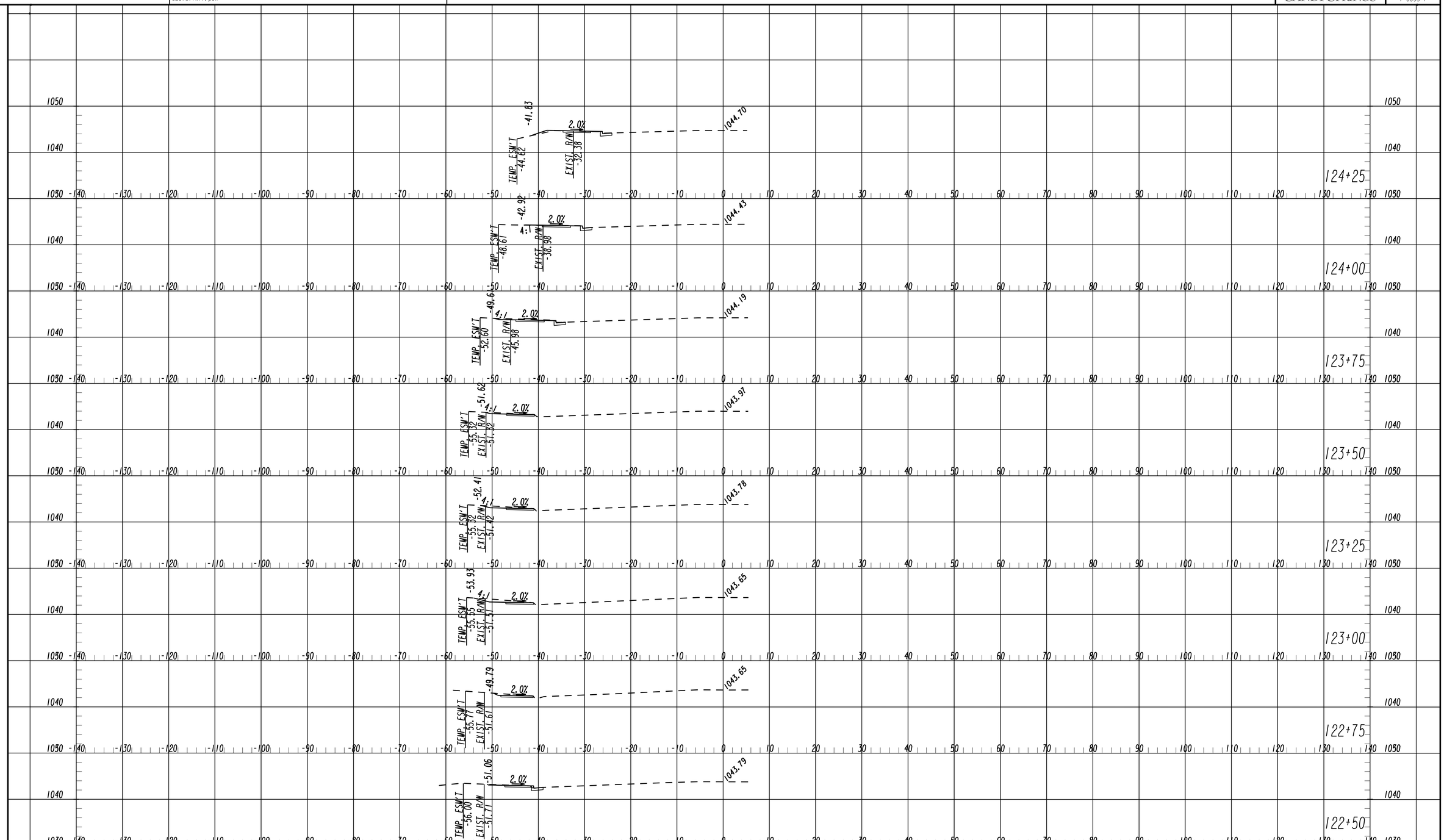
DRAWING No. 23-0014

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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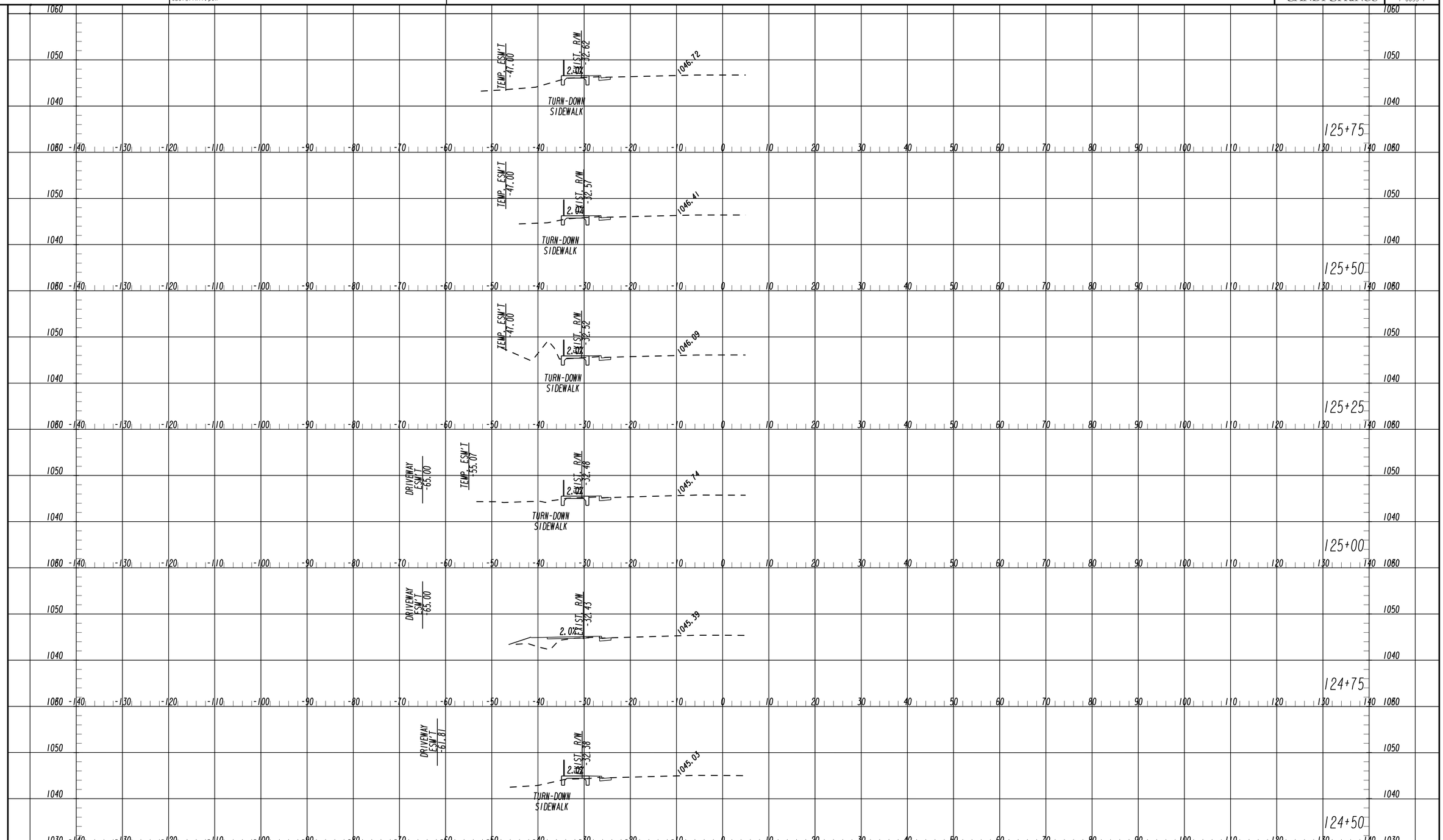
DRAWING No. 23-0015



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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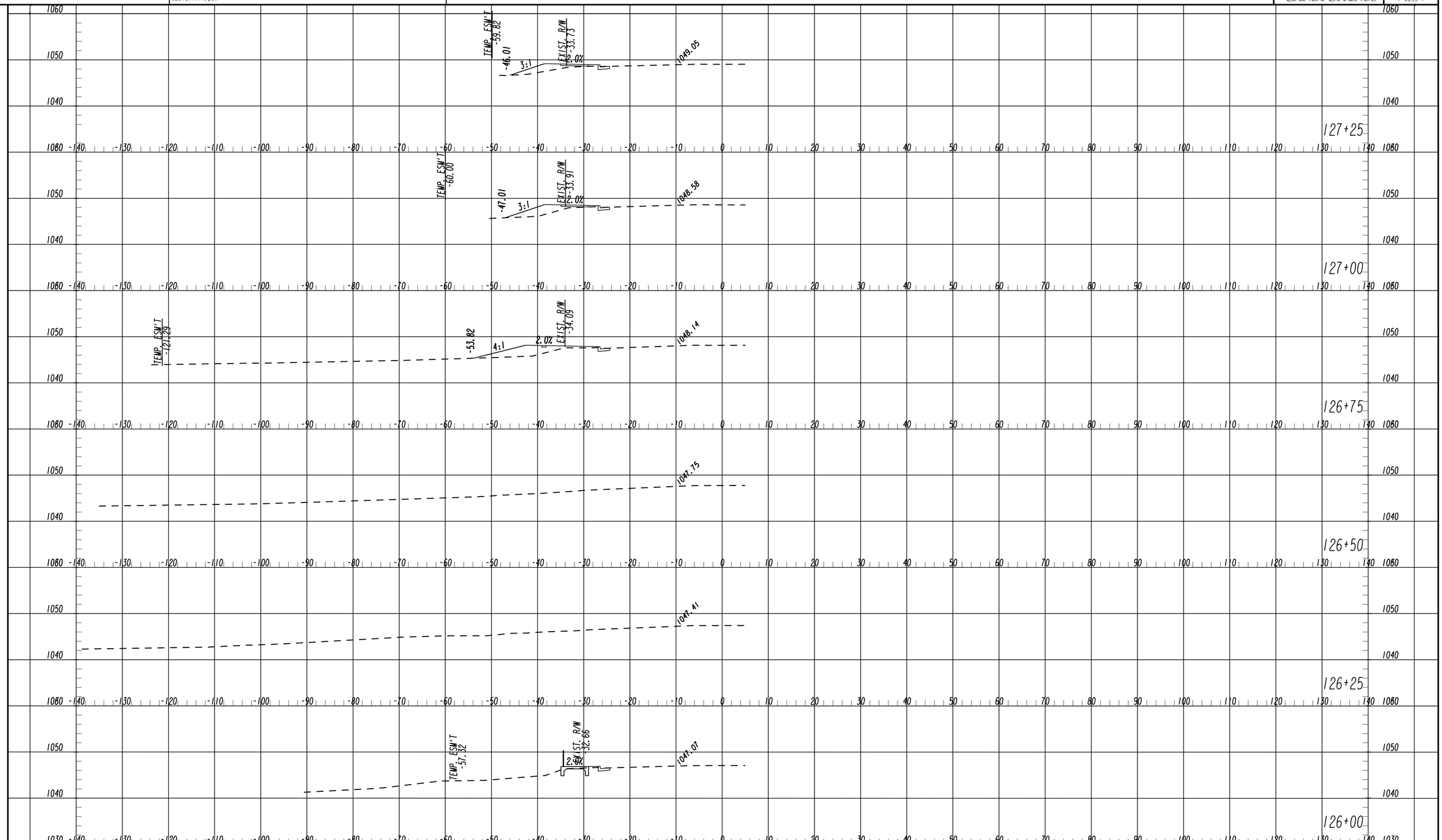
DRAWING No. 23-0016



GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31911 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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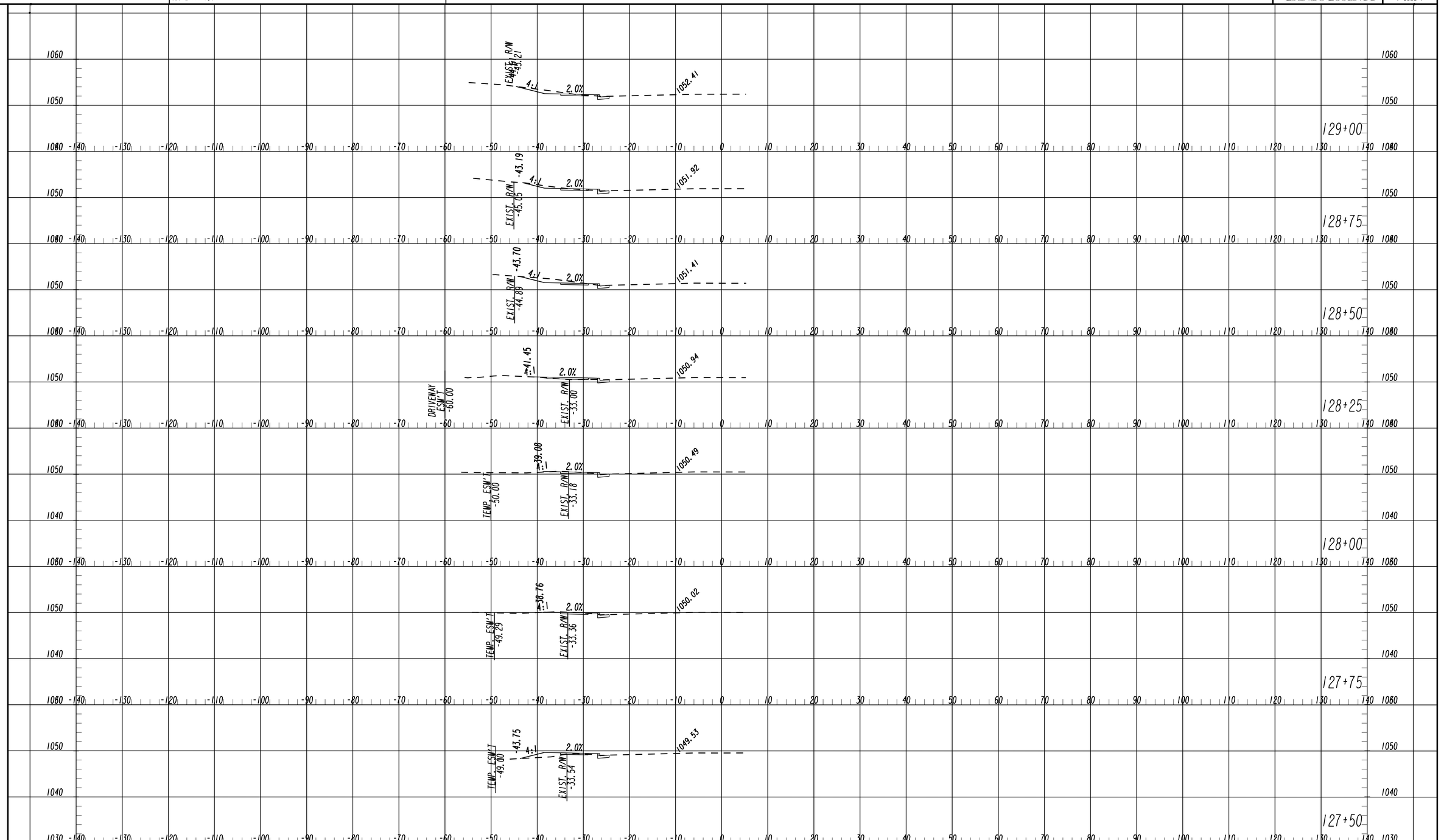
DRAWING No. 23-0017



SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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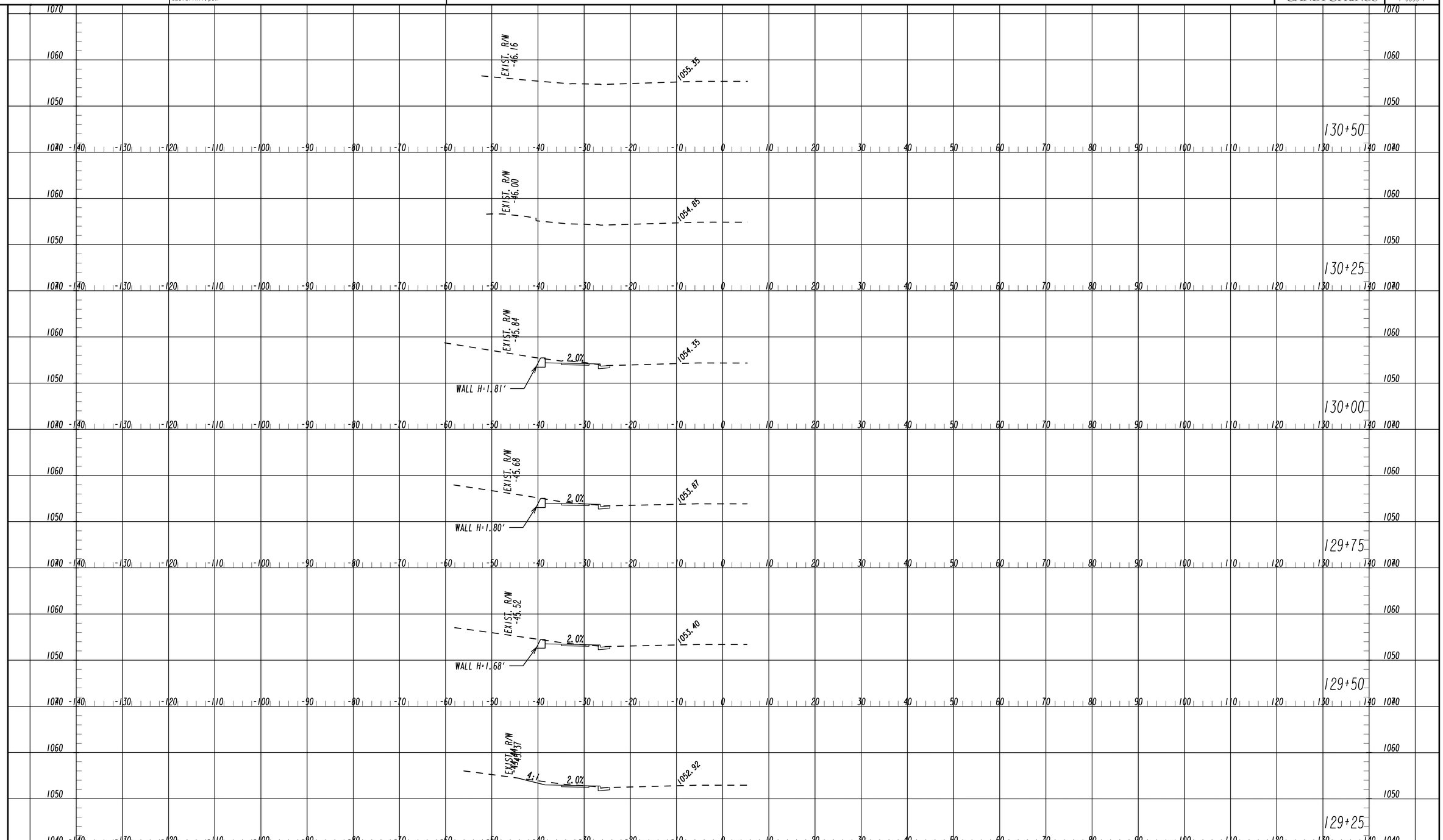

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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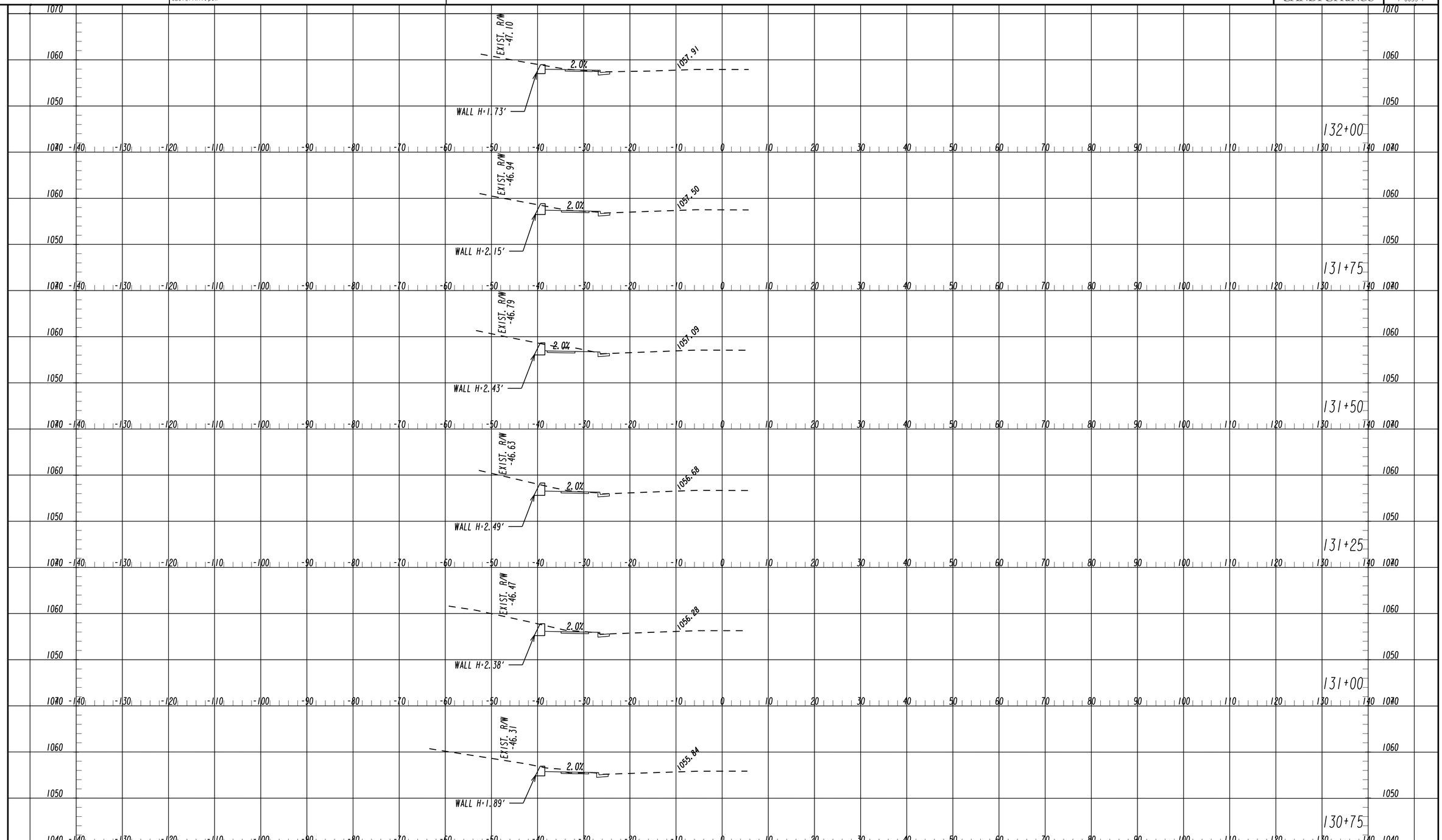
DRAWING No. 23-0019



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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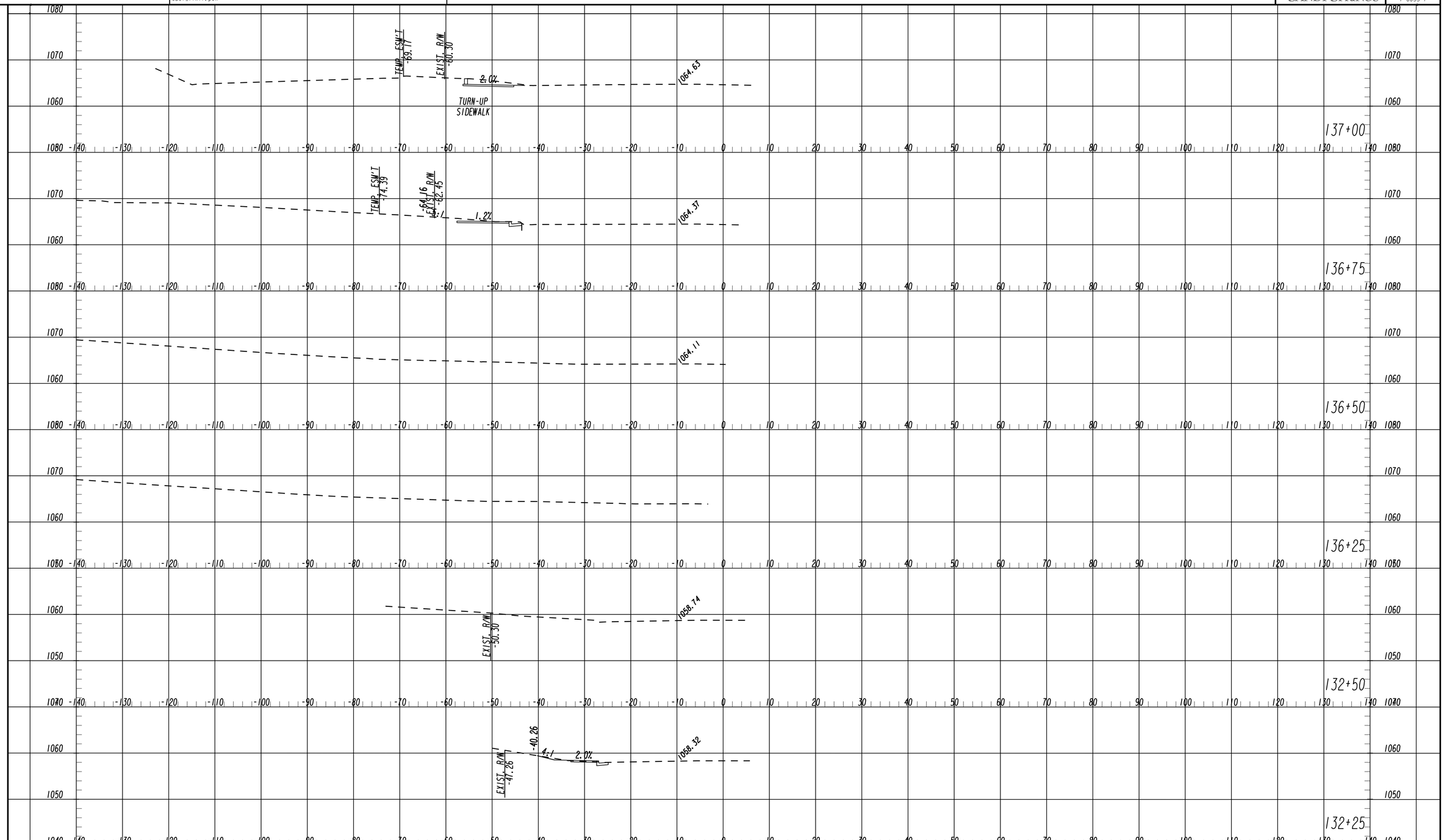
DRAWING No. 23-0020

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

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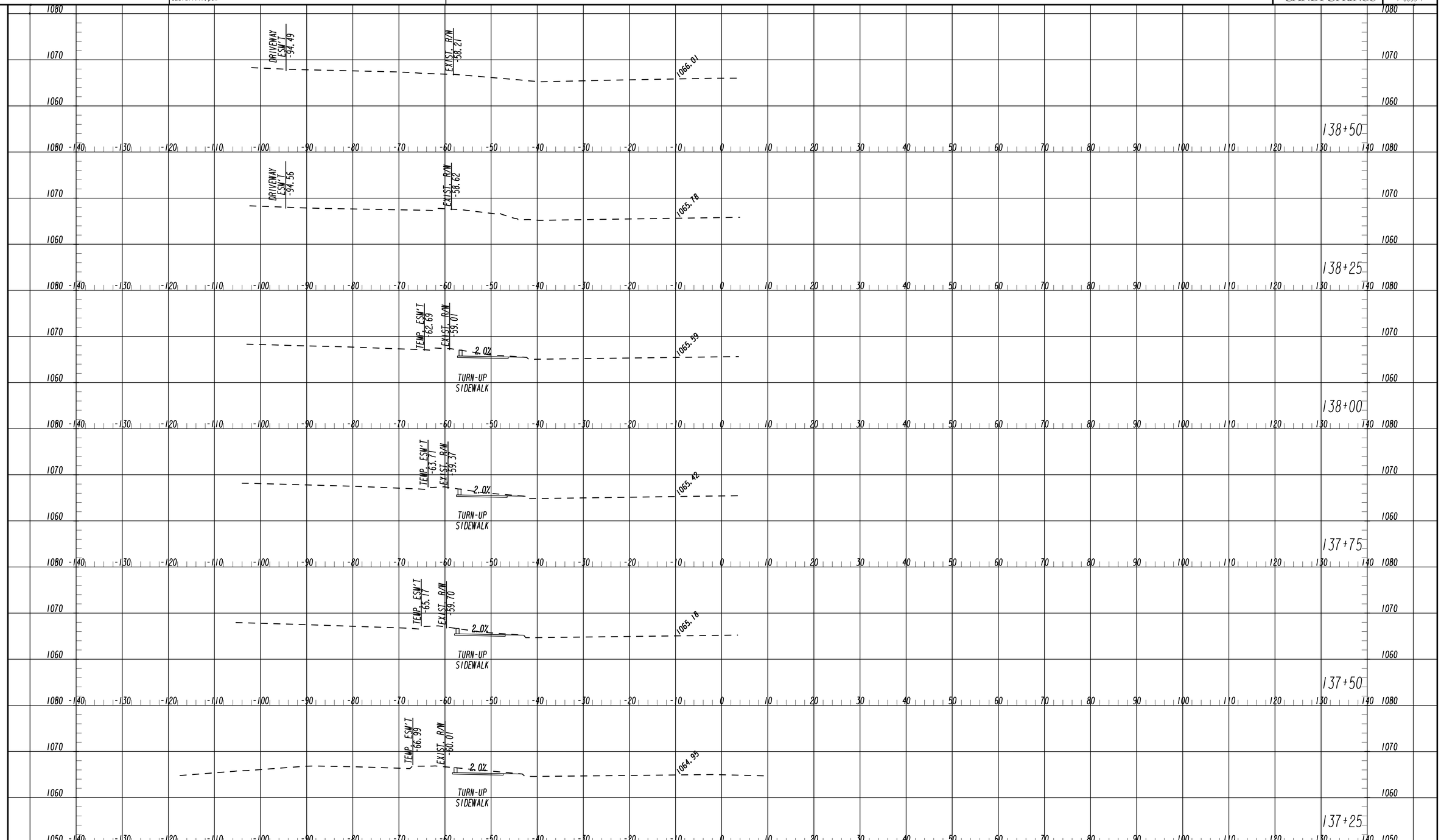
DRAWING No. 23-0021

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31171 KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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DRAWING No. 23-0022

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Kimberley.Baker

150057-R1_2322
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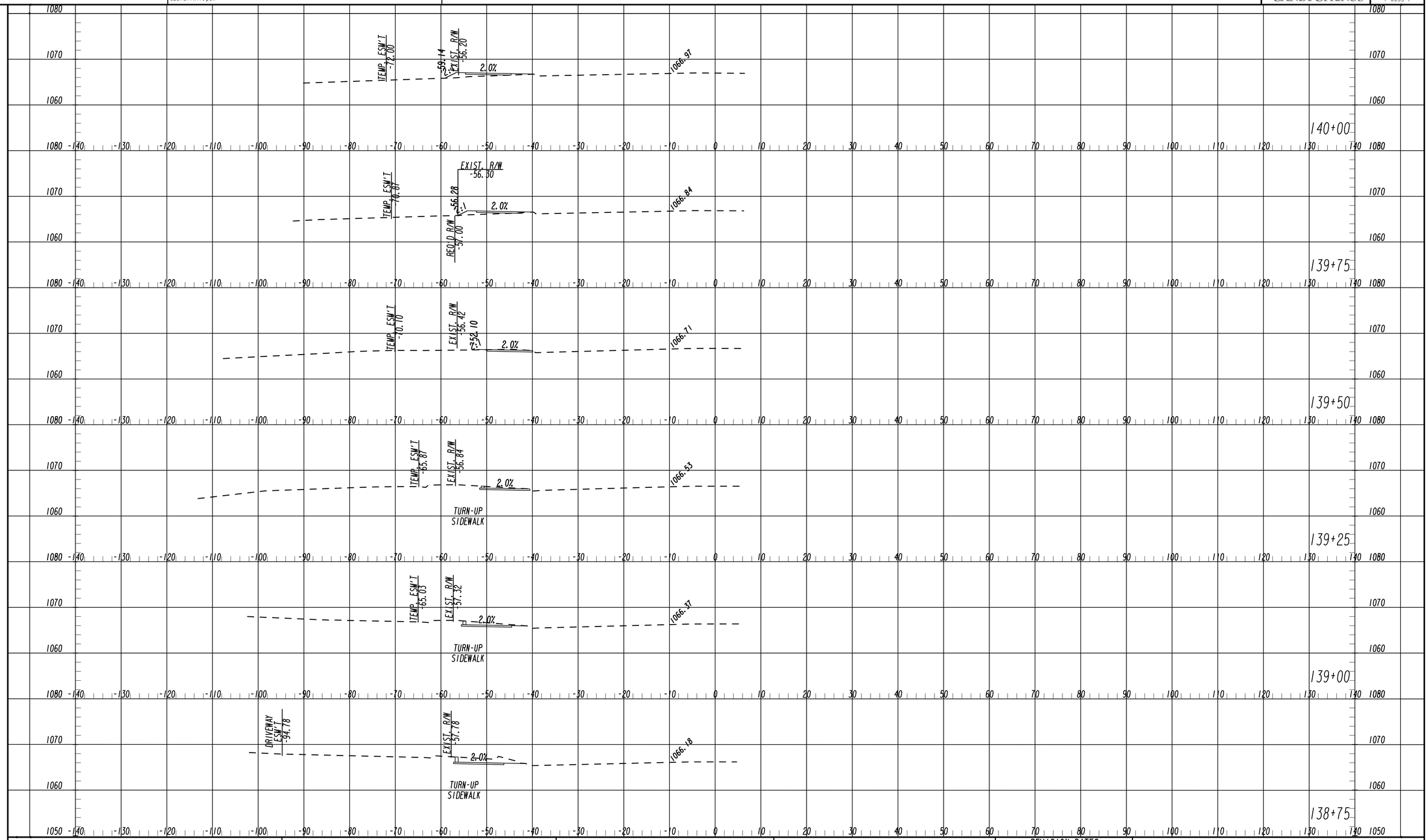
CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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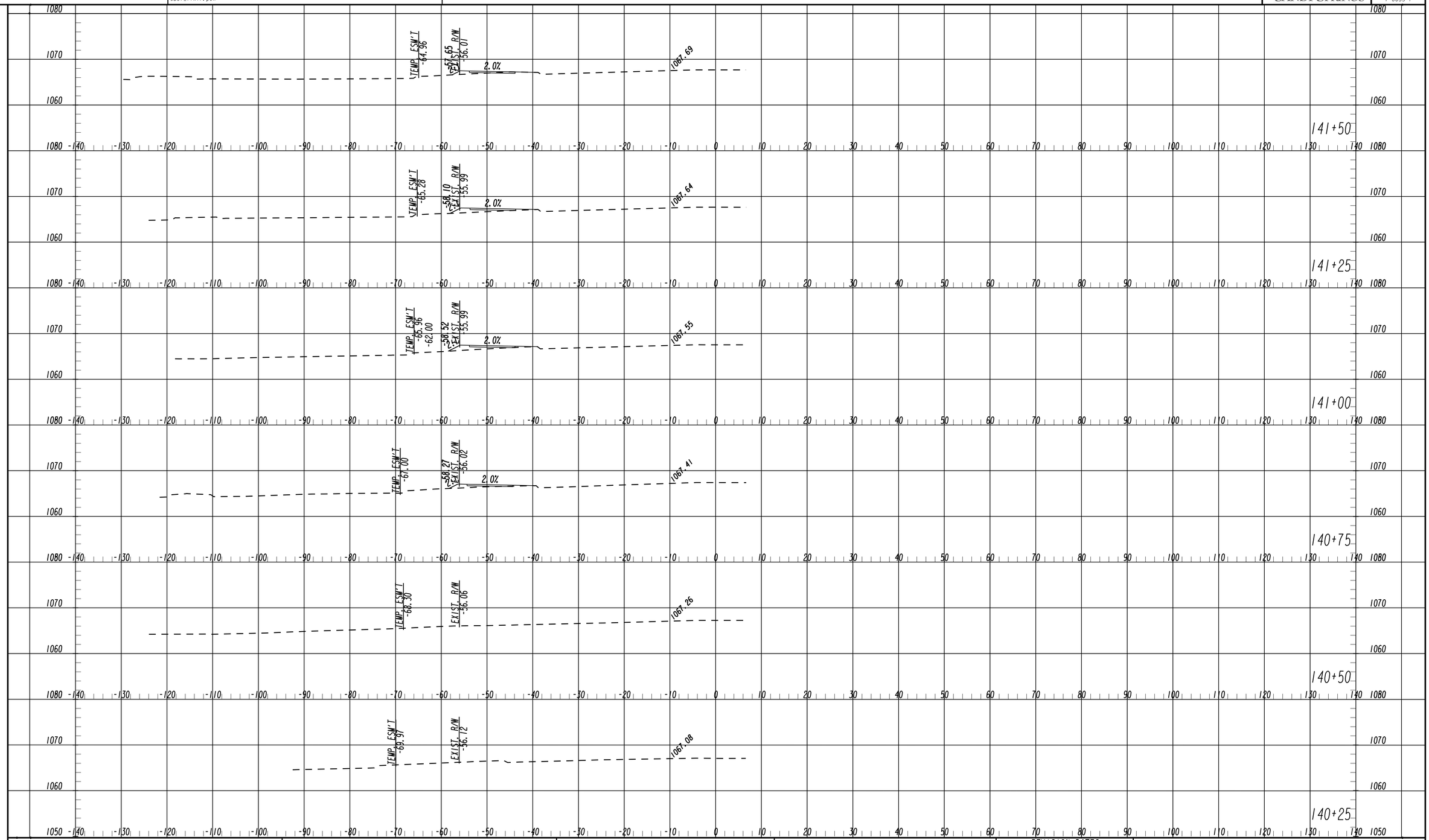
DRAWING No. 23-0023

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31171 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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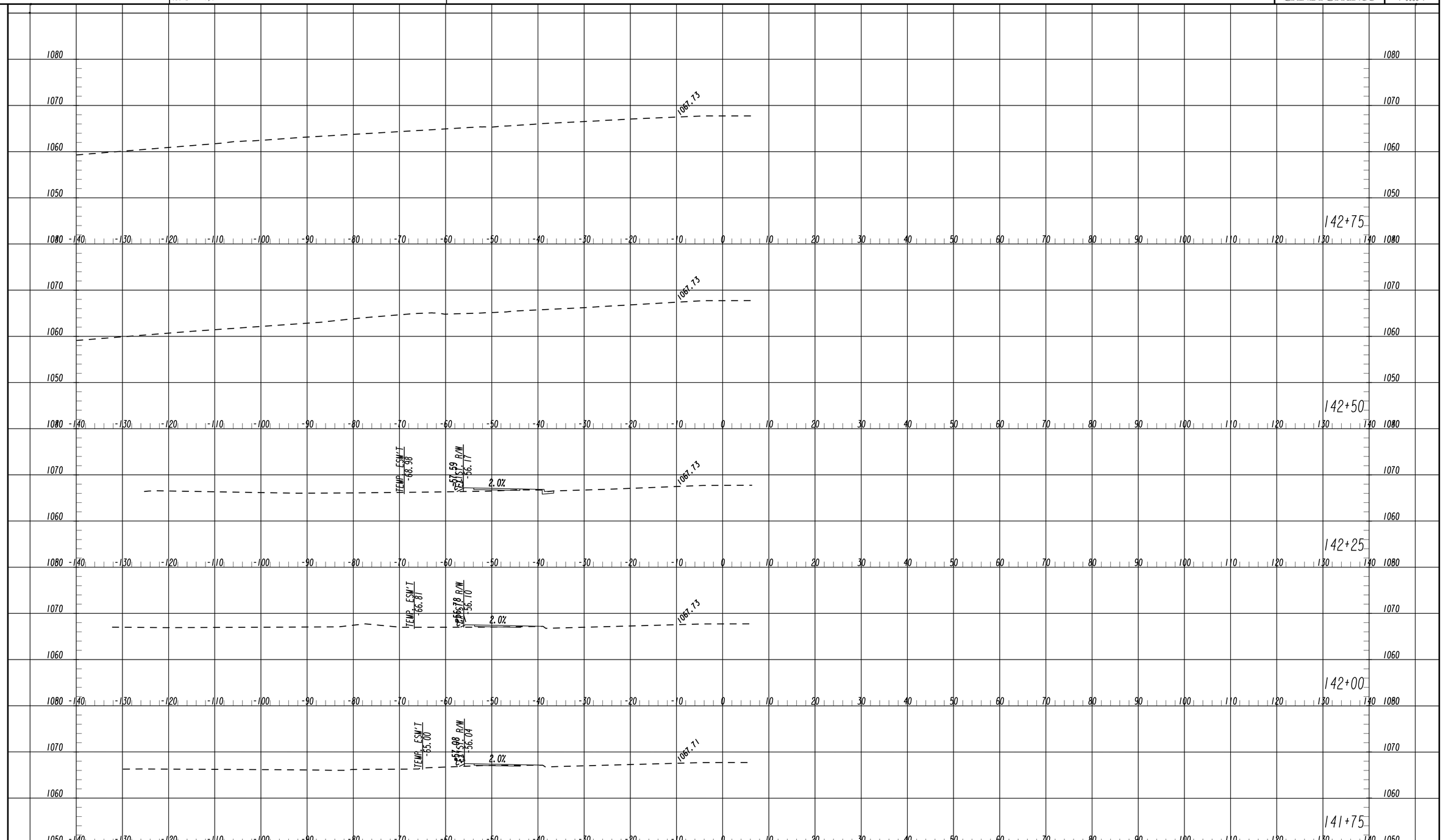
DRAWING No. 23-0024

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
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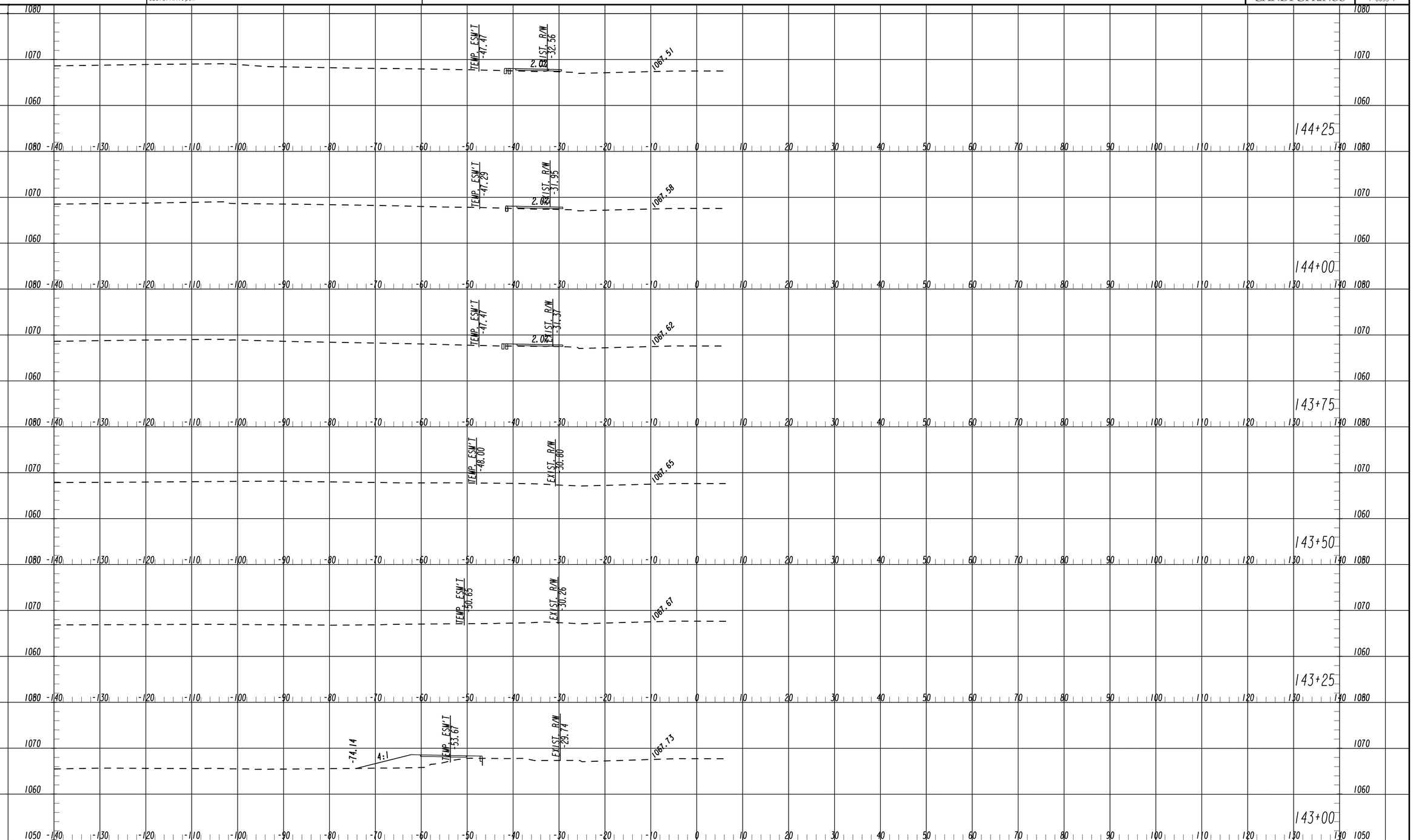
VERIFIED:		DATE:	

DRAWING No. 23-0025

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31171 KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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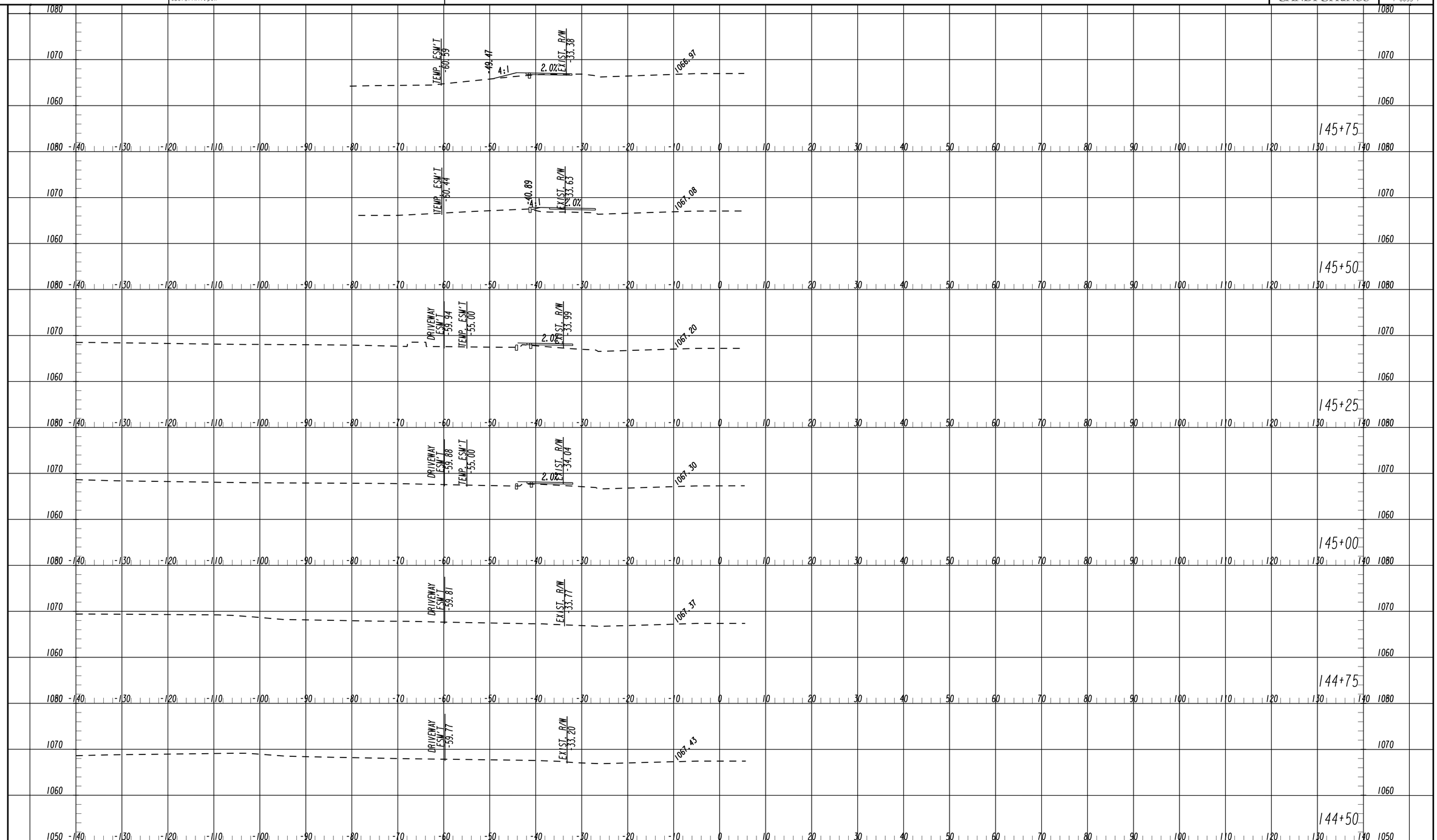
VERIFIED:		DATE:	

DRAWING No. 23-0026

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

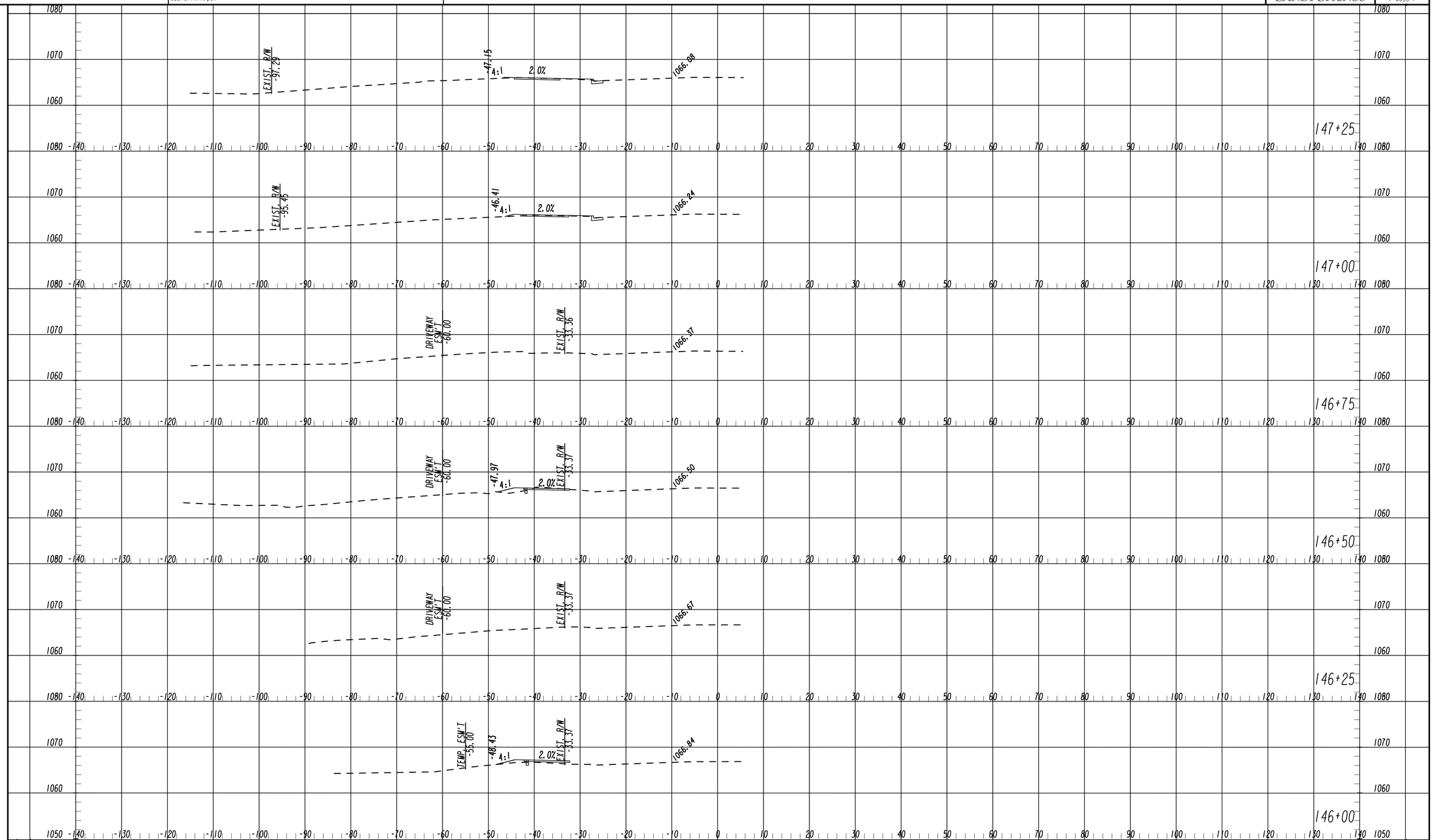
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0027

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0028

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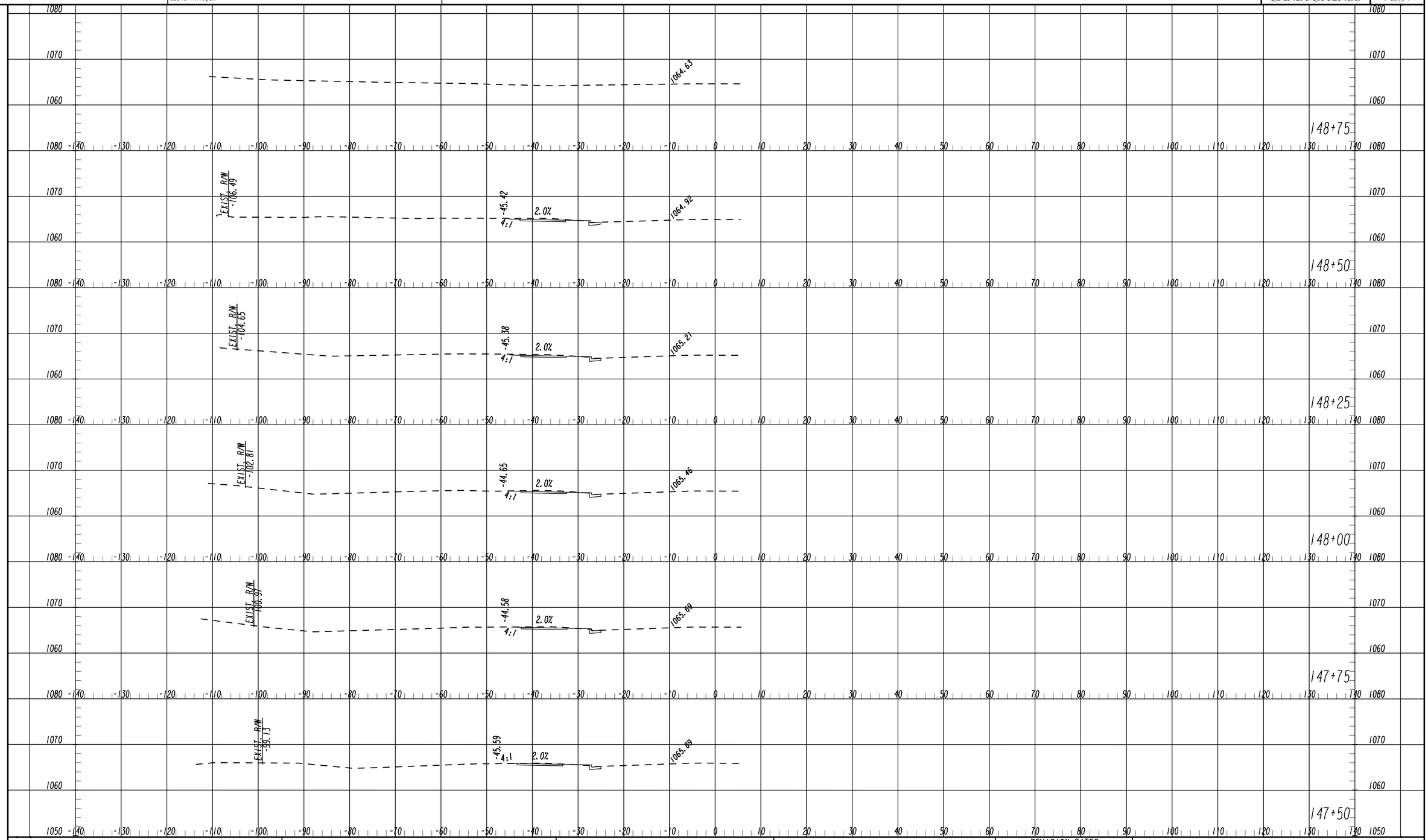
CITY OF SANDY SPRINGS
P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
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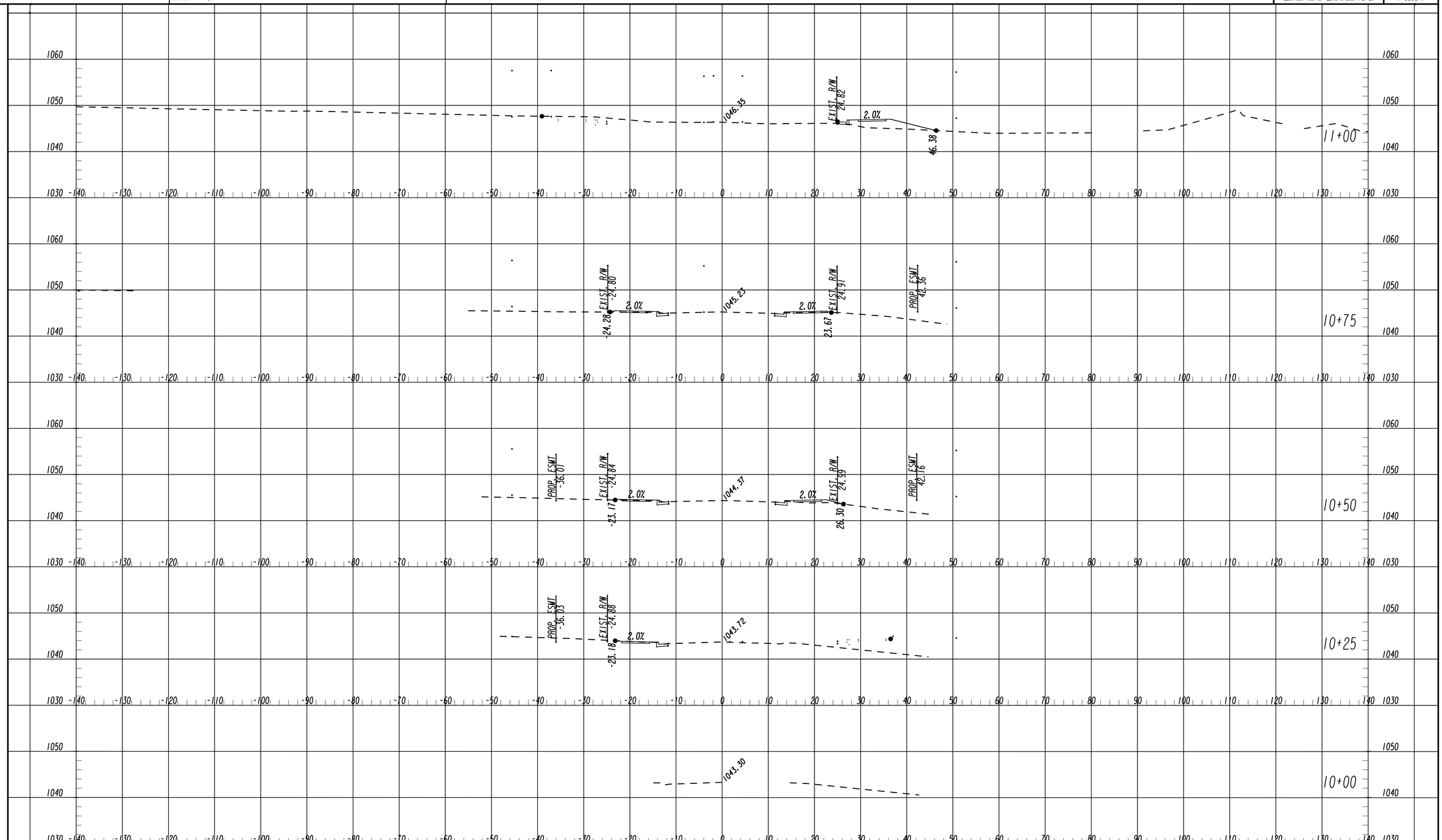
DRAWING No. 23-0029

7/31/2015 SUXSEW



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES

CROSS SECTIONS

CDBG ROSWELL ROAD SIDEWALKS

OSNER DR

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0030

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-T-TV	E-T-TV	E-T-TV	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
	GW	GW	GW	GUY WIRE
	T	T	T	TELECOMMUNICATIONS
	T-TV	T-TV	T-TV	TELECOMUNICATIONS/CABLE TV
	TV	TV	TV	CABLE TV
UNDERGROUND	E	E	E	ELECTRIC
	T	T	T	TELECOMMUNICATIONS
	TV	TV	TV	CABLE TV
	W	W	W	WATER
	**W	**W	**W	WATER FOR LABELED PIPE SIZES
	NW	NW	NW	NON-POTABLE WATER
	**NW	**NW	**NW	NON-POTABLE WATER FOR LABELED PIPE SIZES
	STM	STM	STM	STEAM
	**STM	**STM	**STM	STEAM FOR LABELED PIPE SIZES
	SS	SS	SS	SANITARY SEWER WITH FLOW DIRECTION
	Σ**SS	Σ**SS	Σ**SS	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES
	SFM	SFM	SFM	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION
	G	G	G	GAS
	**G	**G	**G	GAS FOR LABELED PIPE SIZES
	P	P	P	PETROLEUM
	**P	**P	**P	PETROLEUM FOR LABELED PIPE SIZES

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
			TRANSMISSION TOWER
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

EXISTING	PROPOSED	TEMPORARY	
			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
			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

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 41717 KIMBERLEY TYSON BAKER 9/13/19

SANDY SPRINGS GEORGIA

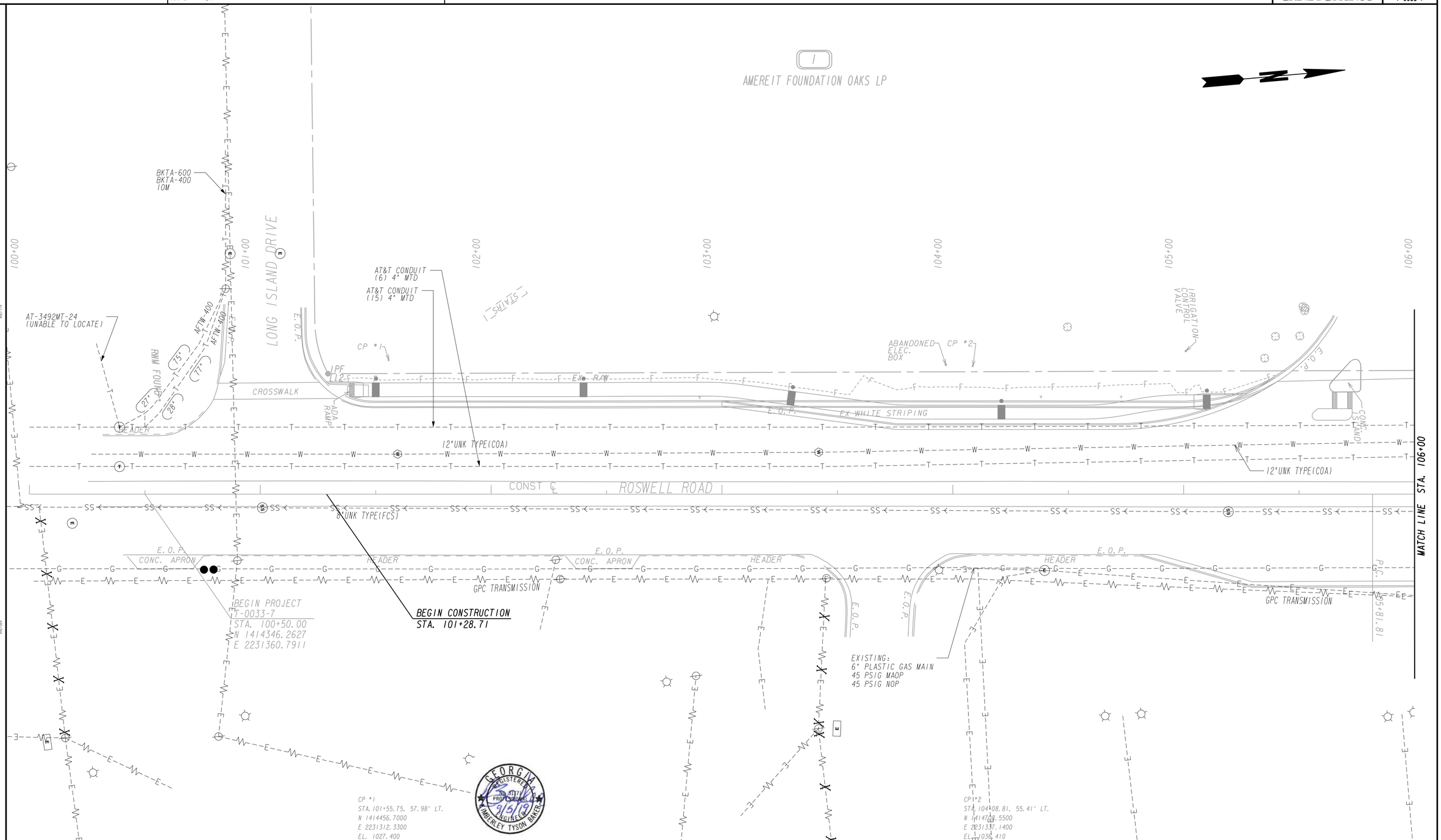
Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0000
CORRECTED:		DATE:		
VERIFIED:		DATE:		



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

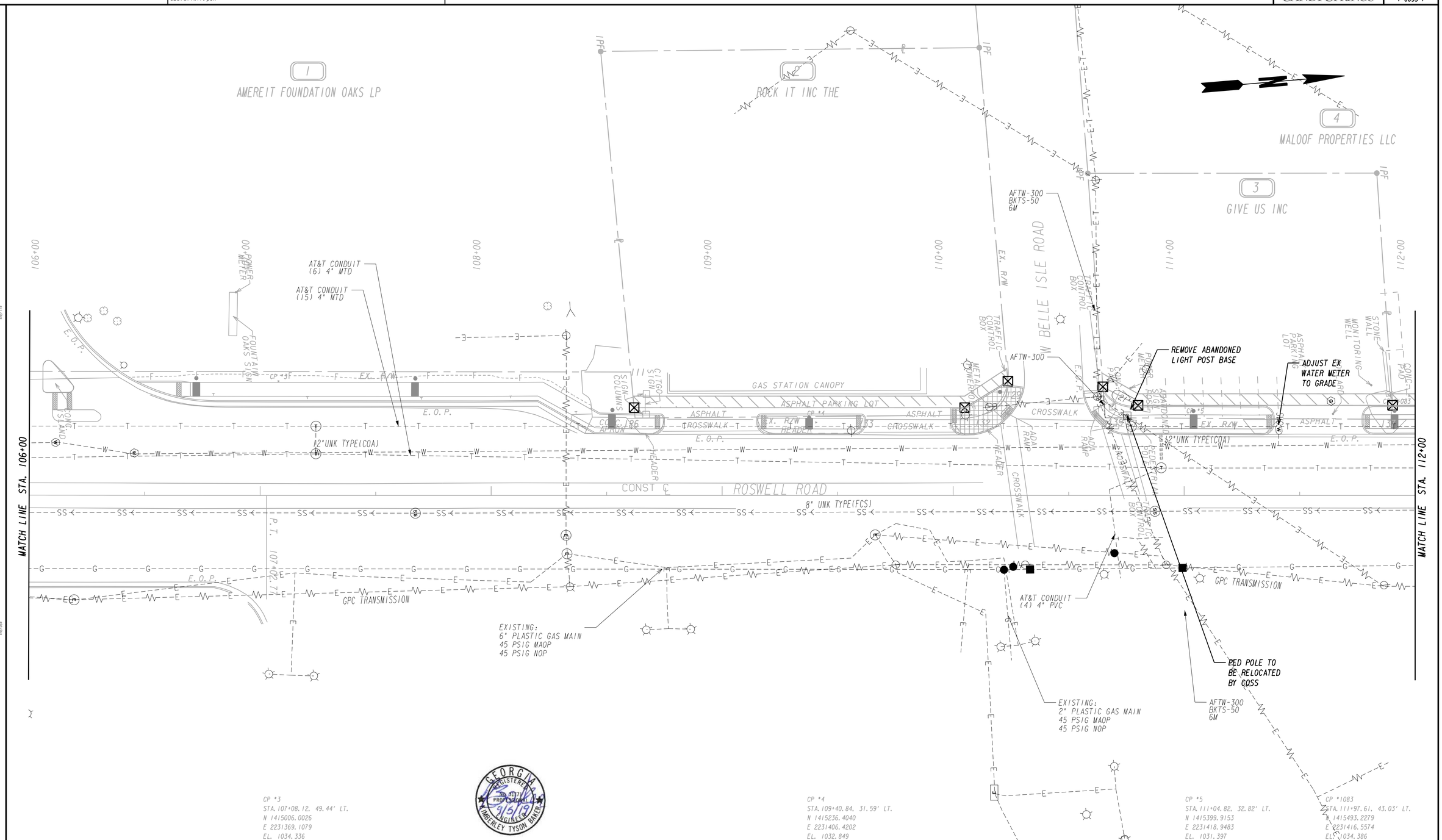
UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
BEGIN PROJECT TO STA. 106+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 24-0001

10/23/2015 GPLN



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

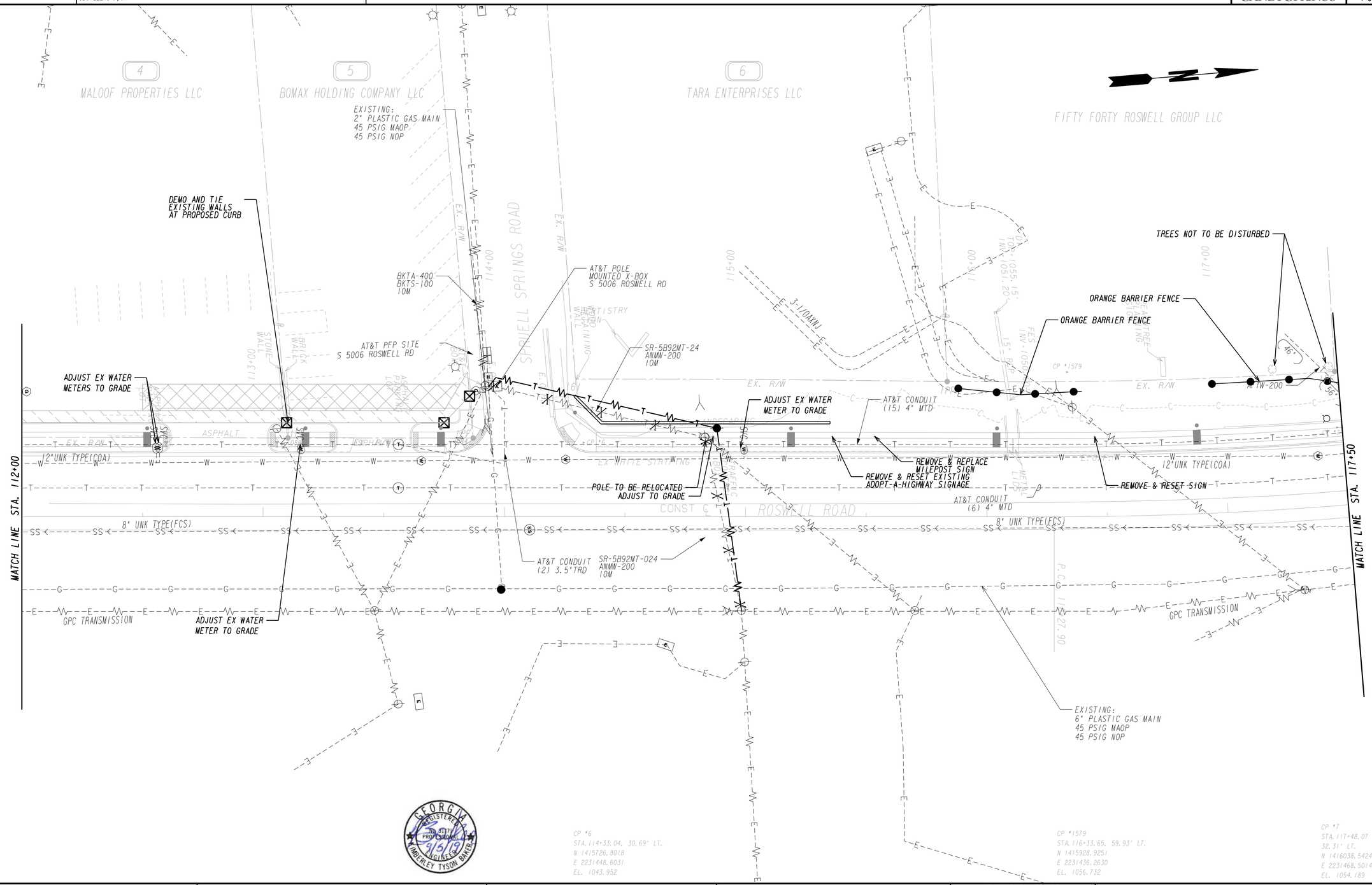
UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 106+00 TO STA. 112+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 24-0002

10/23/2015 GPLN



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	
BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

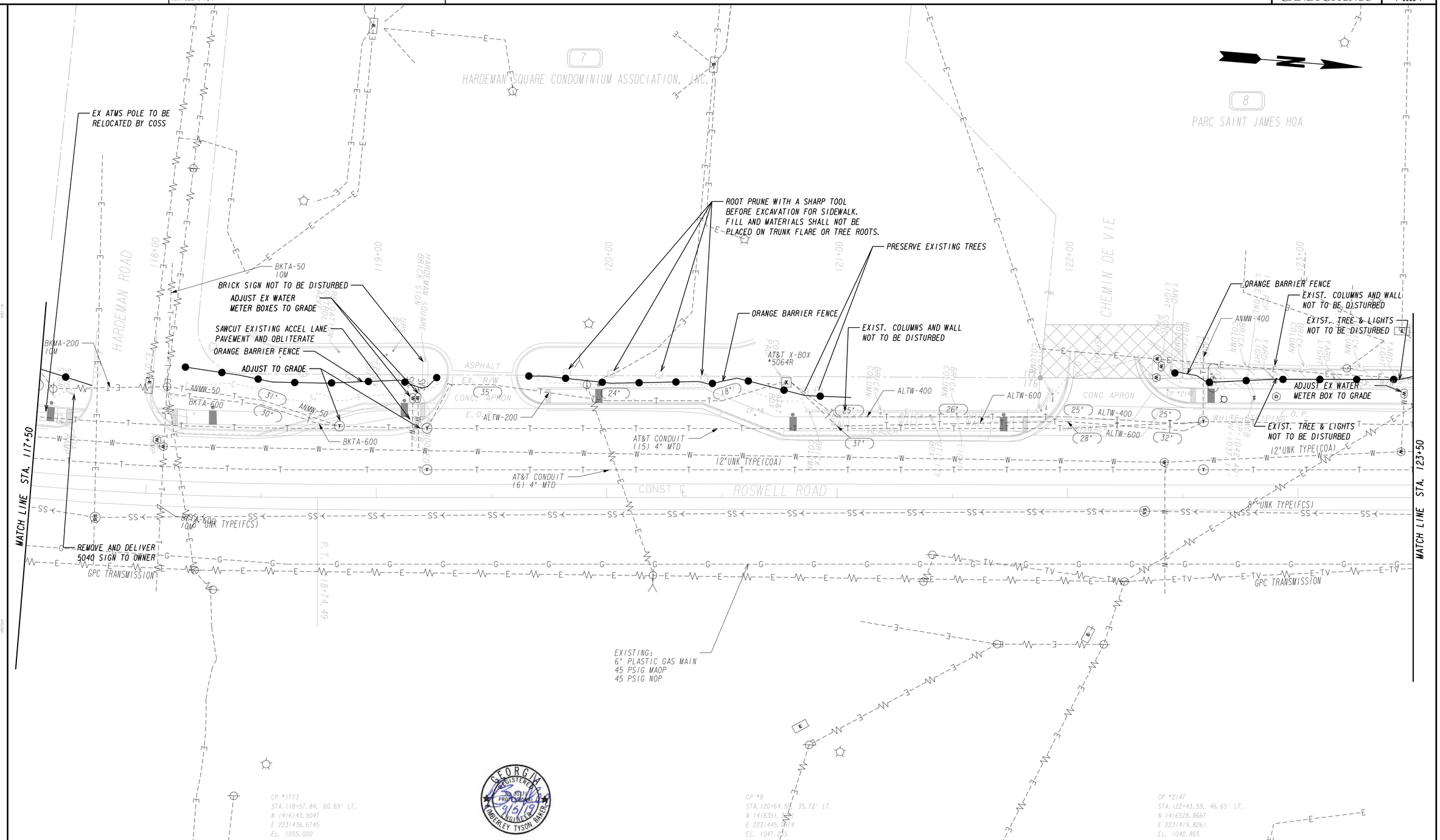
SCALE IN FEET
0 20 40 80

REVISION DATES		
11/14/2019		

UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 112+00 TO STA. 117+50

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
11/14/2019		

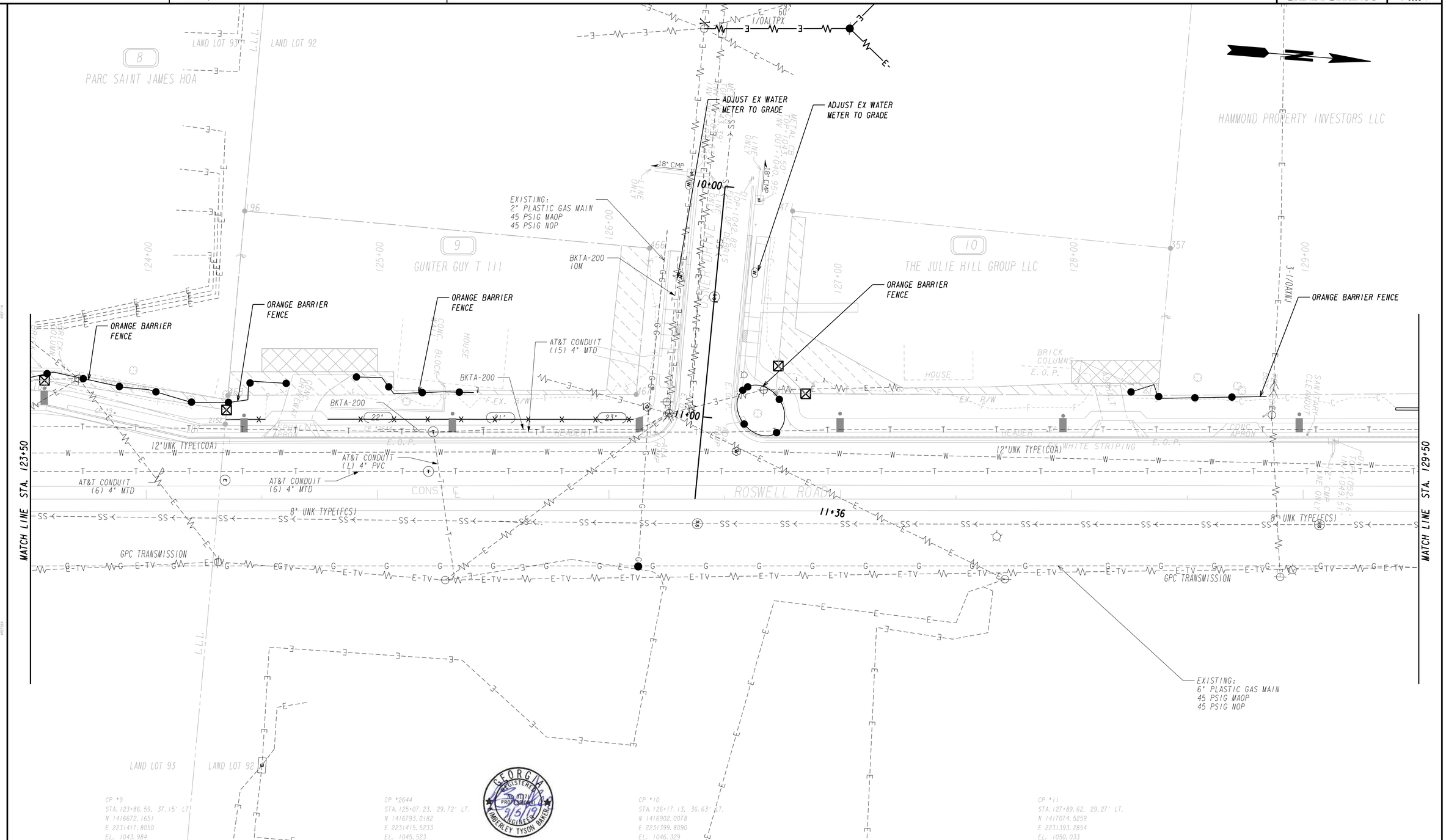
UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 117+50 TO STA. 123+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 24-0004

10/23/2015 GPLN



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
11/14/2019		

UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 123+00 TO STA. 129+50

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BACKCHECKED:		DATE:		24-0005
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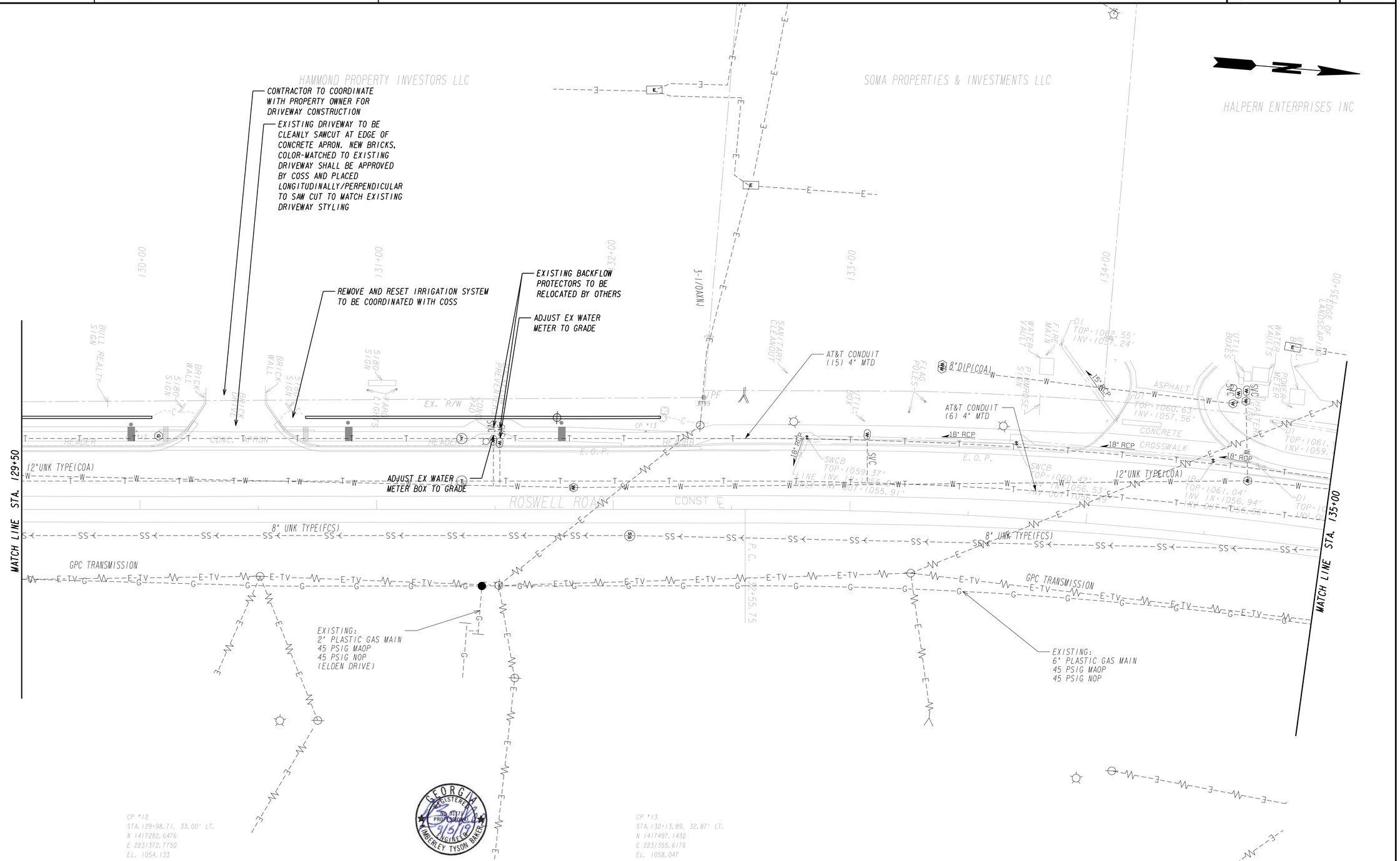

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
11/14/2019		

UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 129+50 TO STA. 135+00

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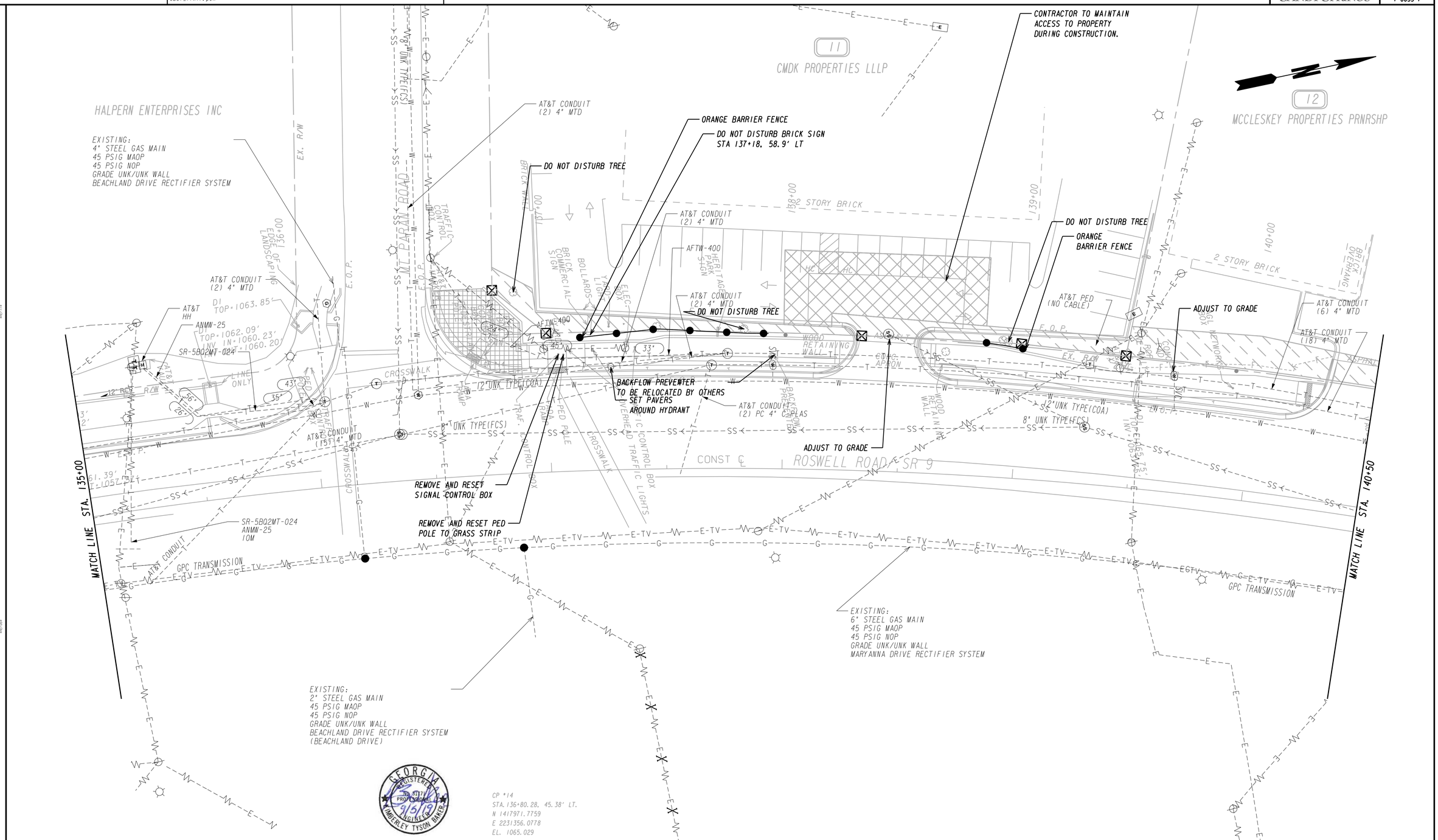

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 135+00 TO STA. 140+50

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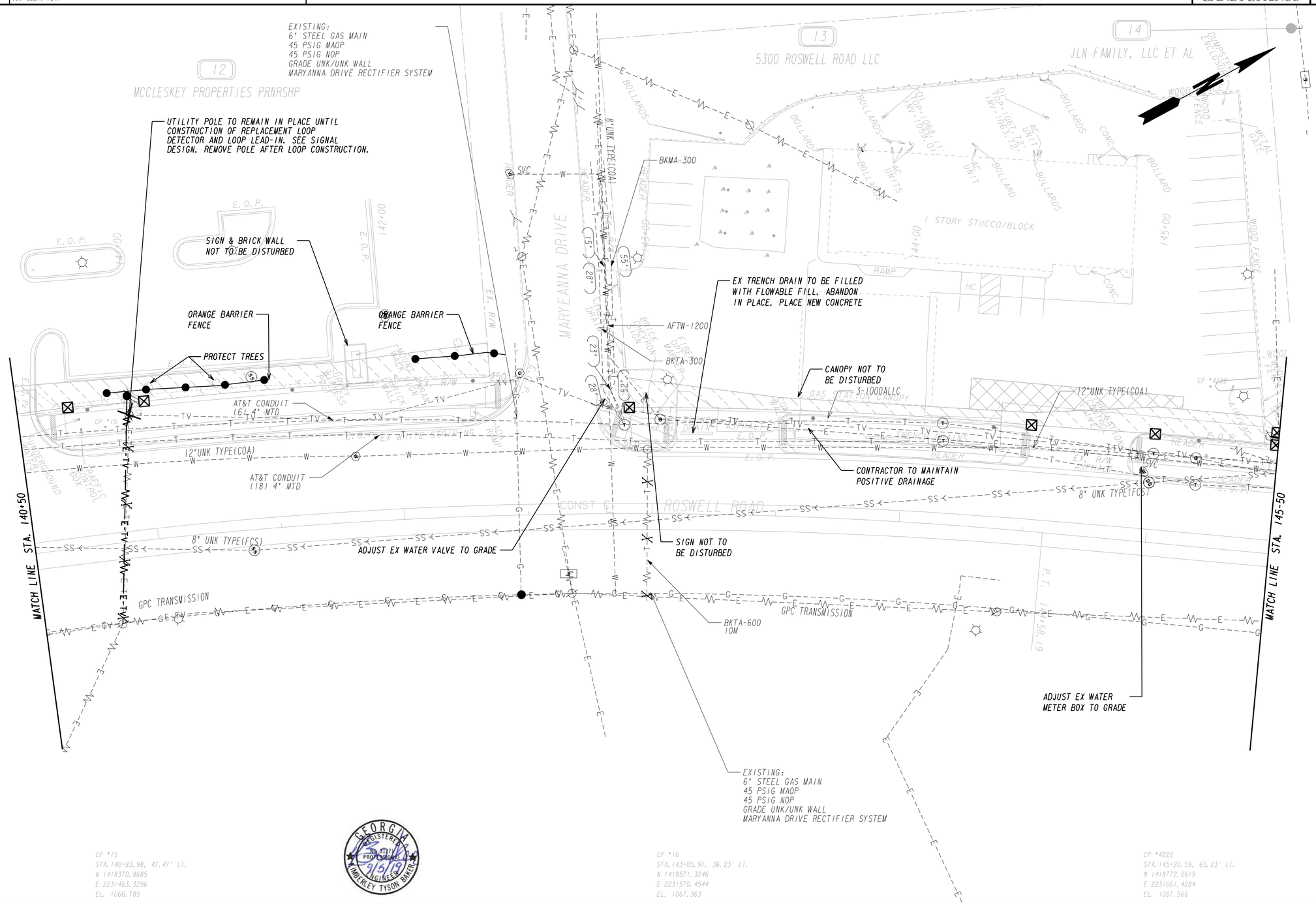
DRAWING No. 24-0007

10/23/2015 GPLN



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA
SCALE IN FEET
0 20 40 80

REVISION DATES		
11/14/2019		

UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 140+50 TO STA. 145+50

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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Kimberley.Baker
150057-R1_24-0009
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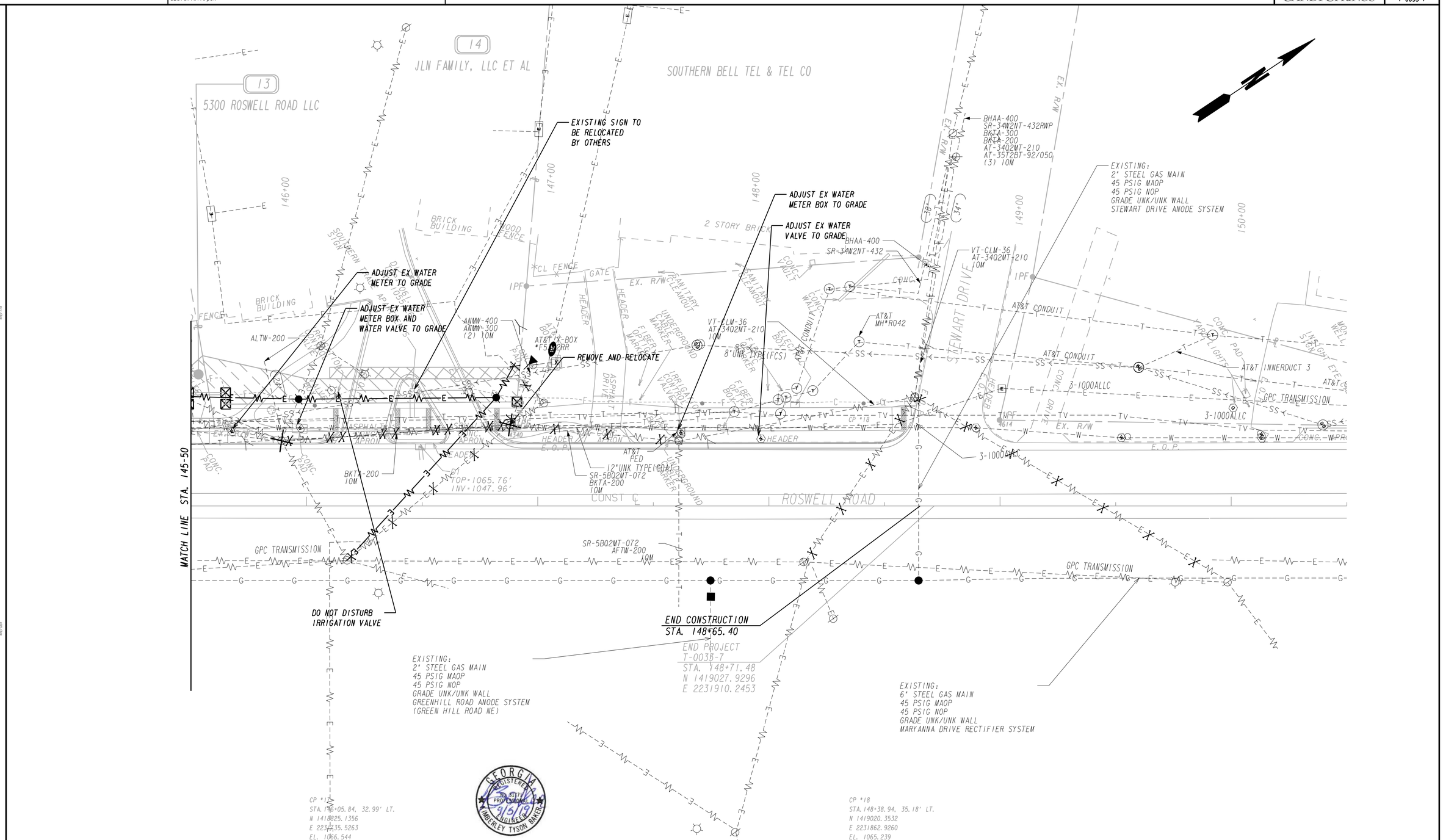
CITY OF SANDY SPRINGS
P.I. No. T-0033-7



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

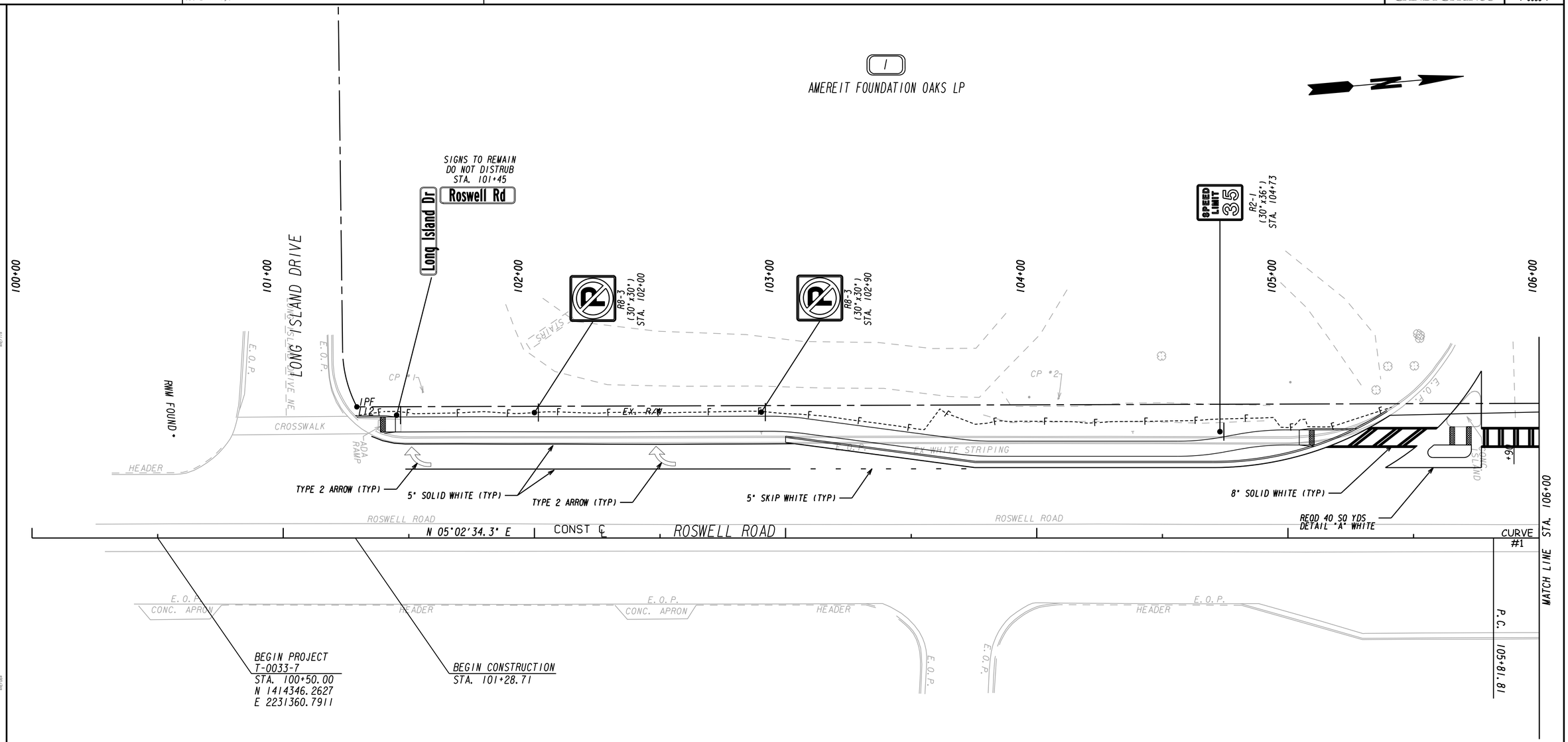
UTILITY PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 145+50 TO END PROJECT

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 24-0009

10/23/2015 GPLN



Curve# 1
PI Sta= 106+42.29
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E= 2231412.8542
DELTA= 00°13'51.6" (LT)
D= 00°11'27.55"
T= 60.48
L= 120.96
R= 30000.00
E= 0.06

CP #1
STA. 101+55.75, 57.98' LT.
N 1414456.7000
E 2231312.3300
EL. 1027.400

CP #2
STA. 104+08.81, 55.41' LT.
N 1414708.5500
E 2231337.1400
EL. 1036.410

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31171 KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA
SCALE IN FEET
0 20 40 80

REVISION DATES

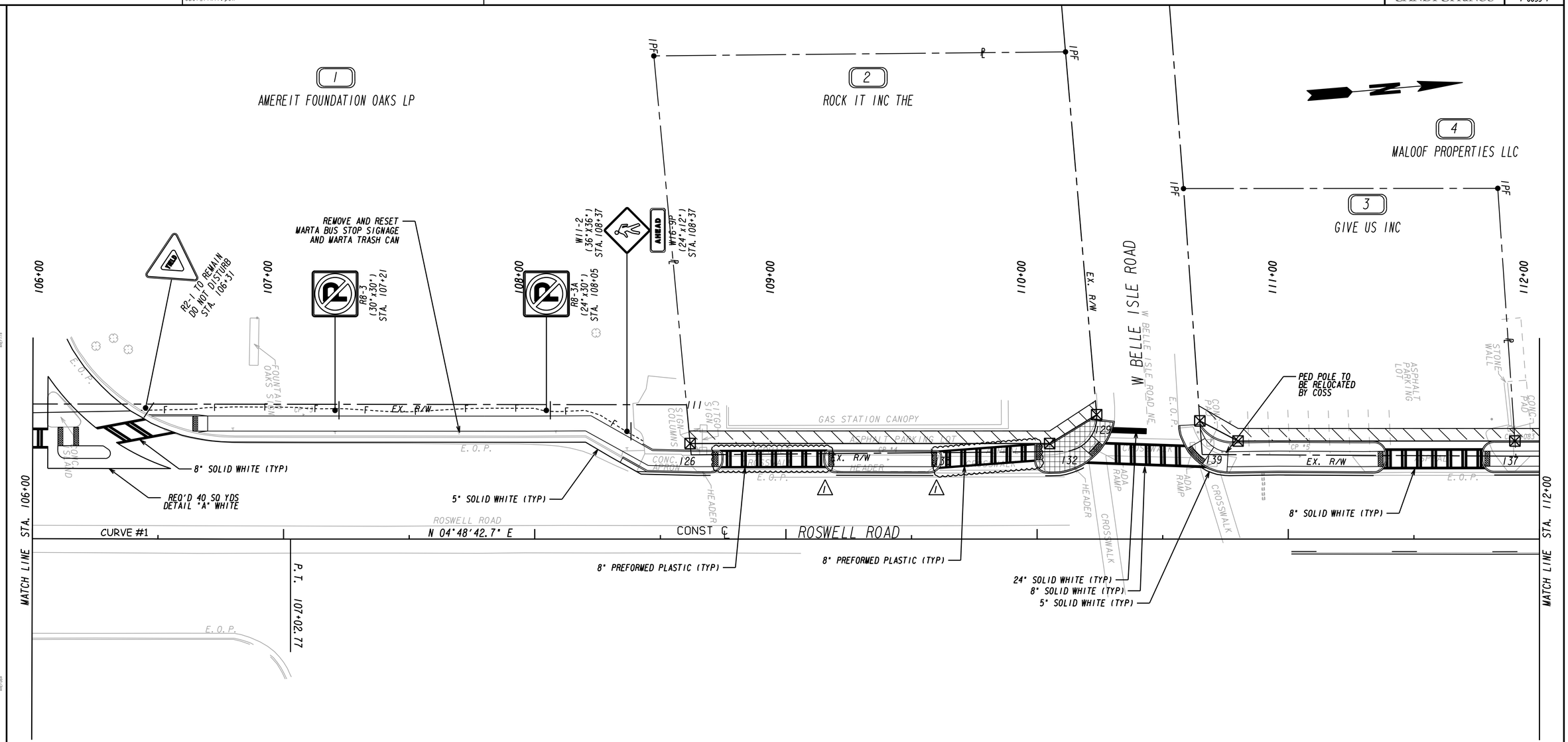
SIGNING AND MARKING PLANS

CDBG ROSWELL ROAD SIDEWALKS
BEGIN PROJECT TO STA. 106+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 26-0001

CITY OF SANDY SPRINGS | P.I. No. T-0033-7



Curve# 1
PI Sta= 106+42.29
N= 1414936.2618
E= 2231412.8542
DELTA= 00°13'51.6" (LT)
D= 00°11'27.55"
T= 60.48
L= 120.96
R= 30000.00
E= 0.06

CP #3
STA. 107+08.12, 49.44' LT.
N 1415006.0026
E 2231369.1079
EL. 1034.336

CP #4
STA. 109+40.84, 31.59' LT.
N 1415236.4040
E 2231406.4202
EL. 1032.849

CP #5
STA. 111+04.82, 32.82' LT.
N 1415399.9153
E 2231418.9483
EL. 1031.397

CP #1083
STA. 111+97.61, 43.03' LT.
N 1415493.2279
E 2231416.5574
EL. 1034.386

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31711 KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
09/09/19		

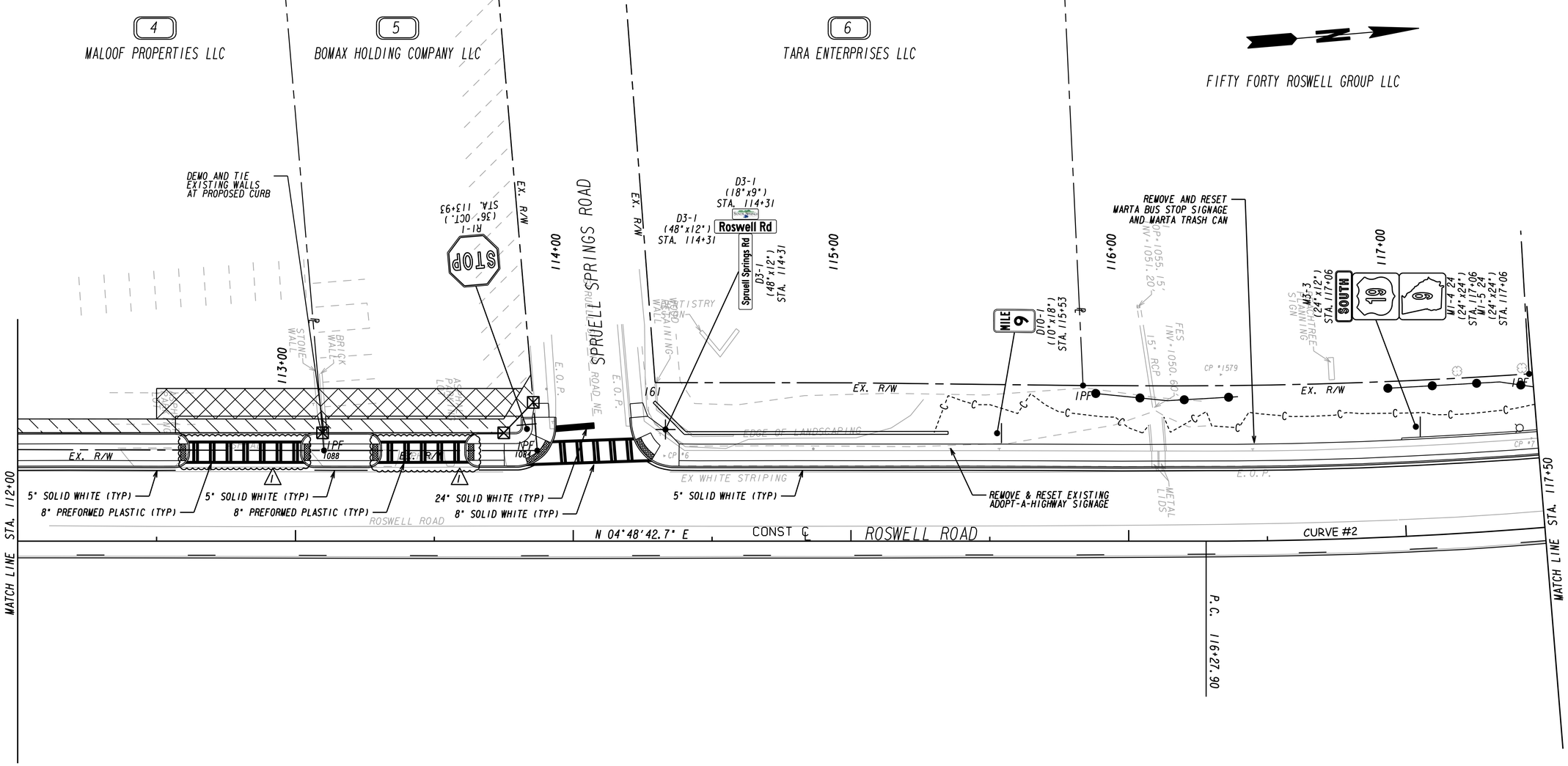
SIGNING AND MARKING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 106+00 TO STA. 112+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 26-0002

10/23/2015 GPLN



Curve# 2
PI Sta= 117+51.47
N= 1416041.5340
E= 2231505.8969
DELTA= 09°25'08.8" (LT)
D= 03°49'10.99"
T= 123.57
L= 246.59
R= 1500.00
E= 5.08

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31171 9/5/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
09/09/19		

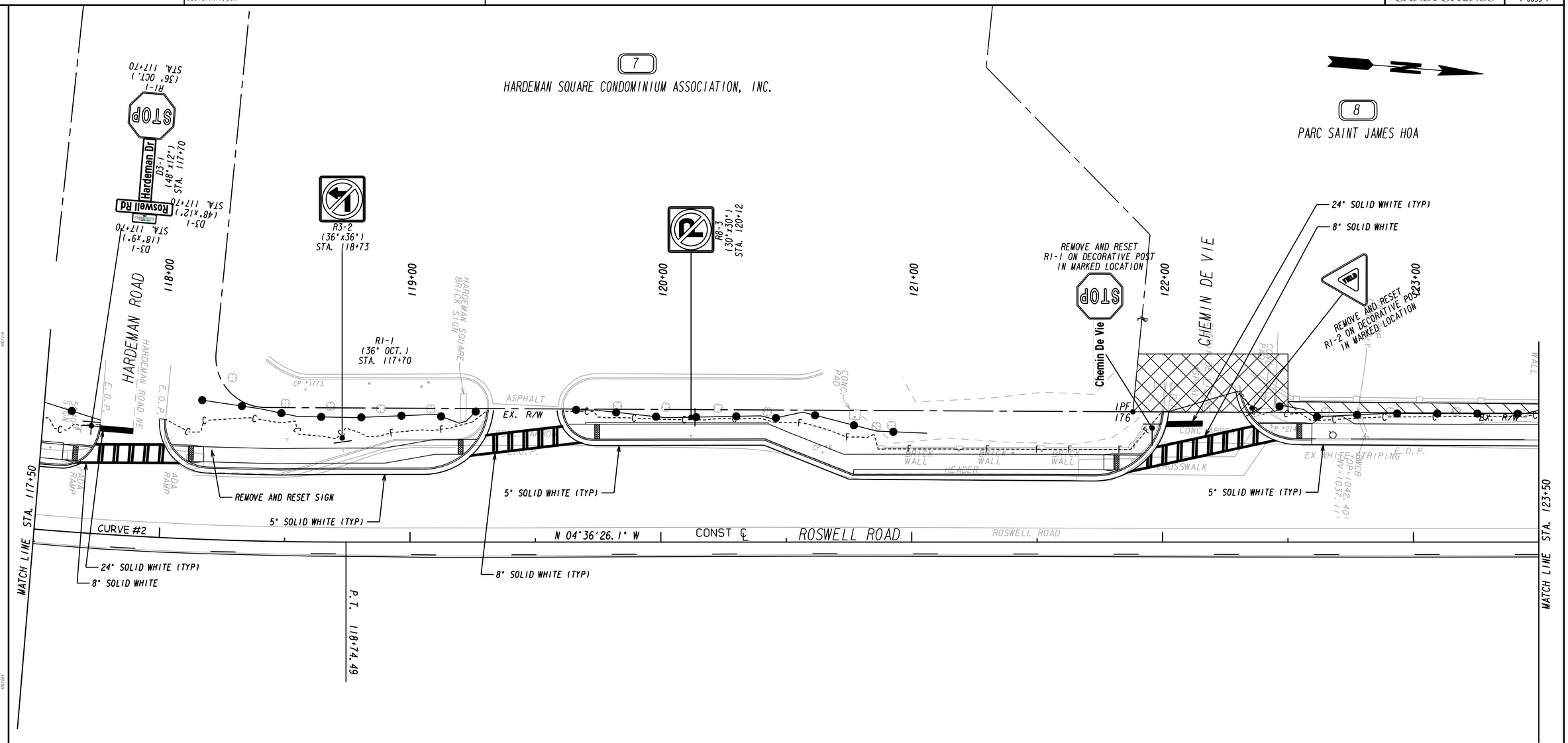
SIGNING AND MARKING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 112+00 TO STA. 117+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 26-0003

10/23/2015 GPLN



Curve# 2
PI Sta= 117+51.47
N= 1416041.5340
E= 2231505.8969
DELTA= 09°25'08.8" (LT)
D= 03°49'10.99"
T= 123.57
L= 246.59
R= 1500.00
E= 5.08

CP #1773
STA. 118+57.84, 60.69' LT.
N 1416143.9047
E 2231436.6745
EL. 1055.000

CP #8
STA. 120+64.59, 35.72' LT.
N 1416351.3271
E 2231445.0974
EL. 1047.235

CP #2147
STA. 122+43.59, 46.65' LT.
N 1416528.8667
E 2231419.8261
EL. 1042.865

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA
SCALE IN FEET
0 20 40 80

REVISION DATES

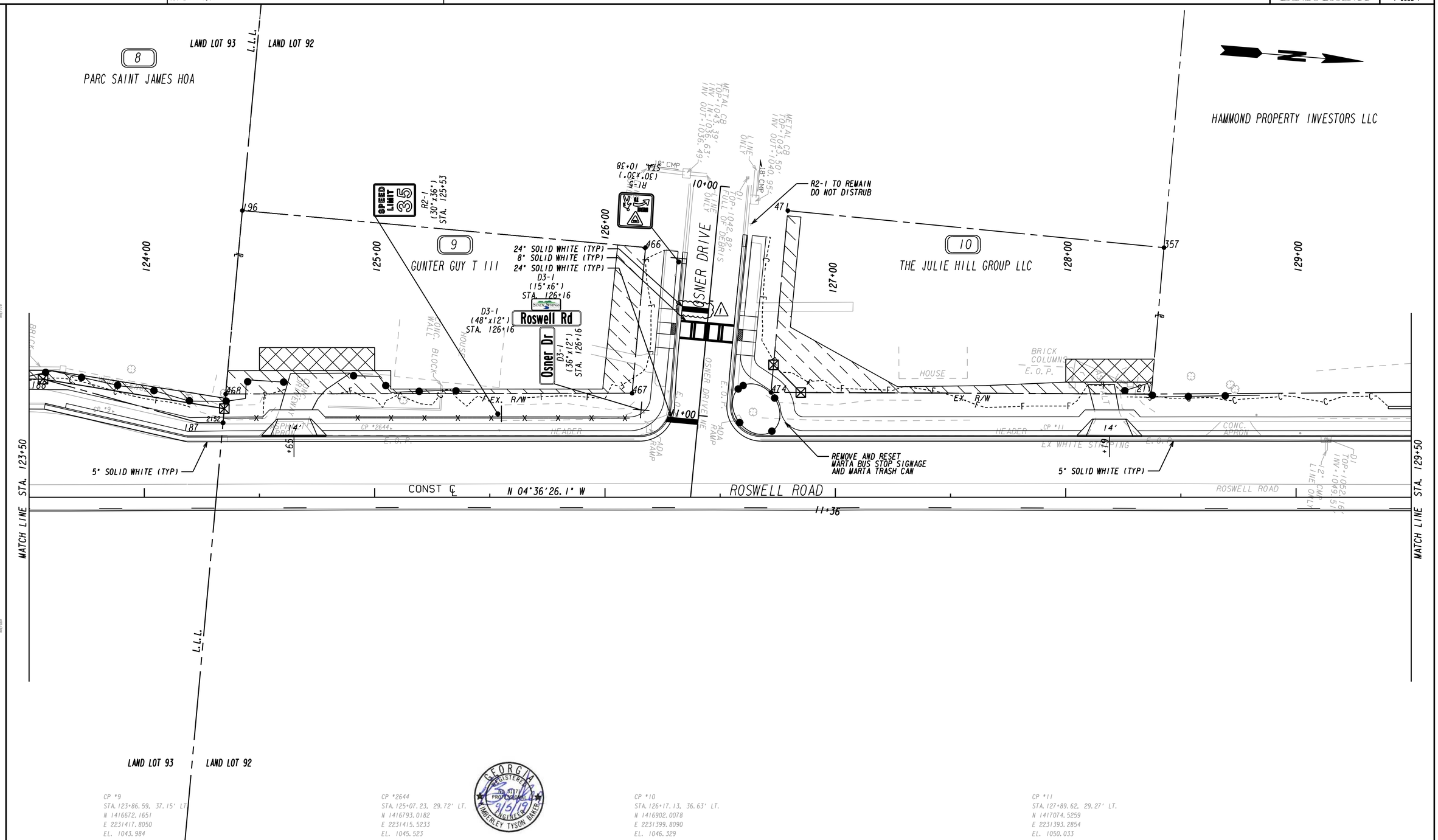
SIGNING AND MARKING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 117+50 TO STA. 123+50

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	26-0004
CORRECTED:		DATE:	
VERIFIED:		DATE:	

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

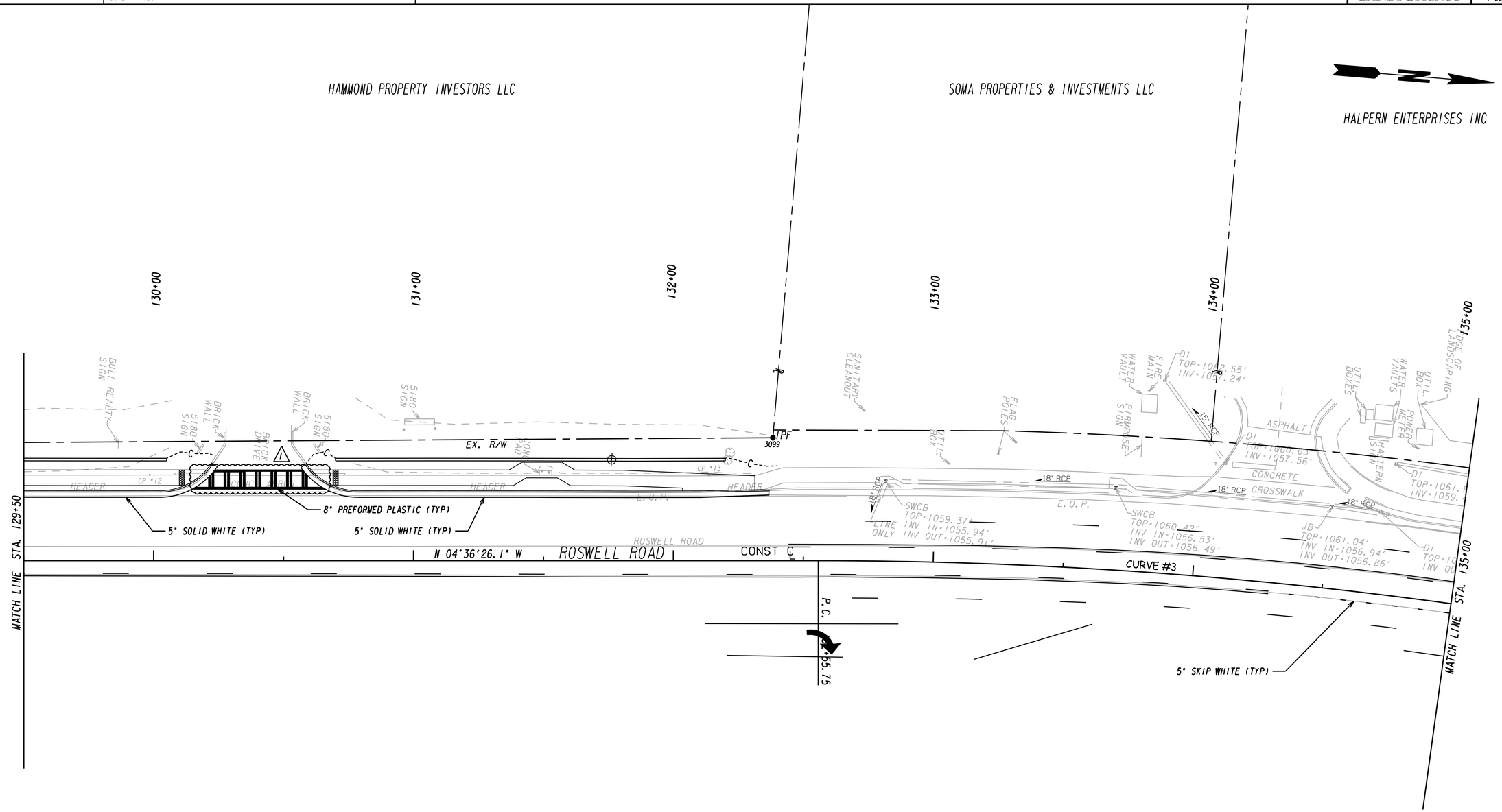
REVISION DATES		
09/09/19		

SIGNING AND MARKING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 123+50 TO STA. 129+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 26-0005



Curve# 3
PI Sta= 138+80.37
N= 1418164.1096
E= 2231334.8486
DELTA= 38°16'30.4" (RT)
D= 03°10'59.16"
T= 624.63
L= 1202.45
R= 1800.00
E= 105.30

CP #12
STA. 129+98.71, 33.00' LT.
N 1417282.6476
E 2231372.7750
EL. 1054.133

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

CP #13
STA. 132+13.89, 32.87' LT.
N 1417497.1432
E 2231355.6176
EL. 1058.047

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

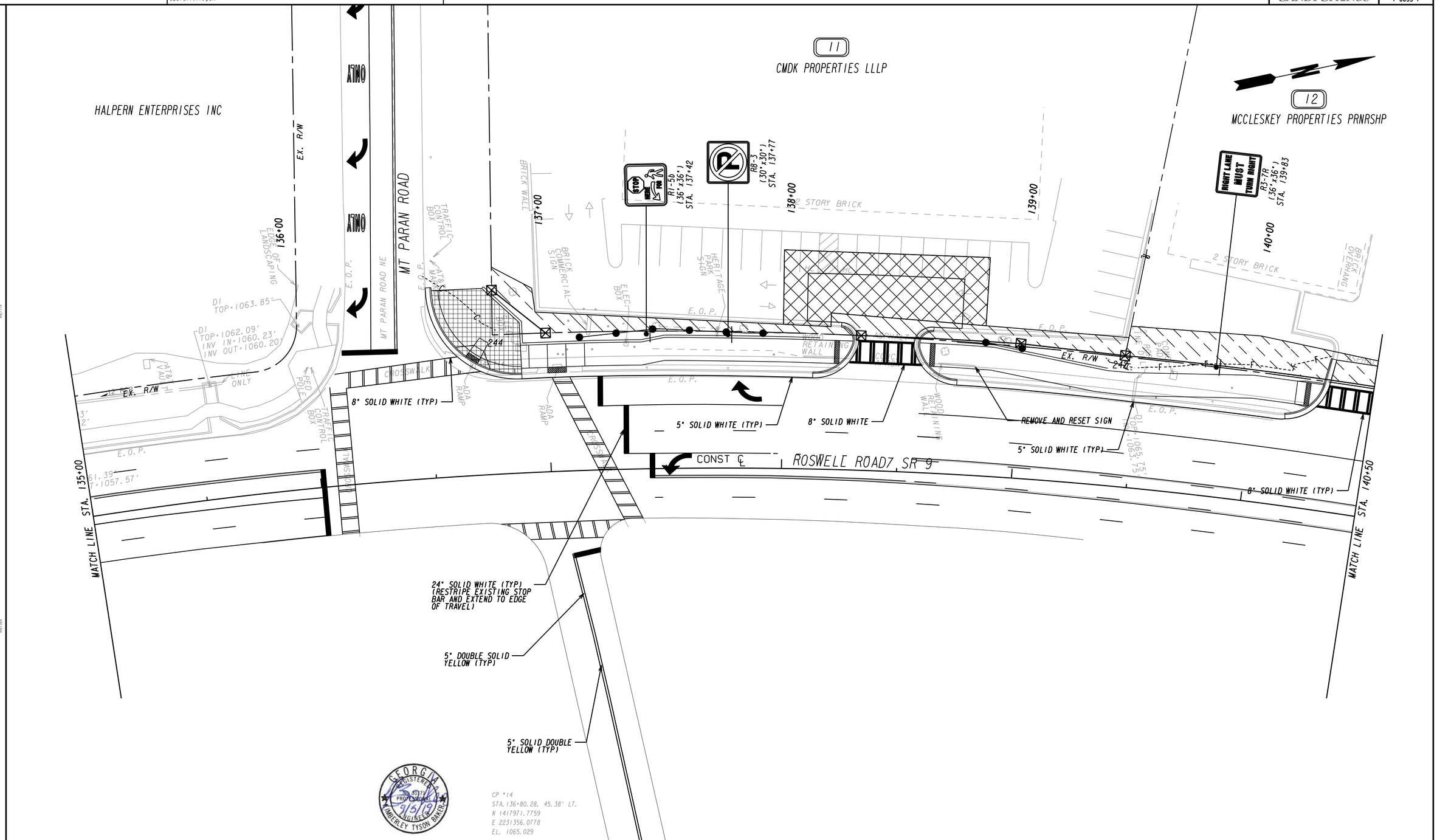
REVISION DATES		
09/09/19		

SIGNING AND MARKING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 129+50 TO STA. 135+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 26-0006



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

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

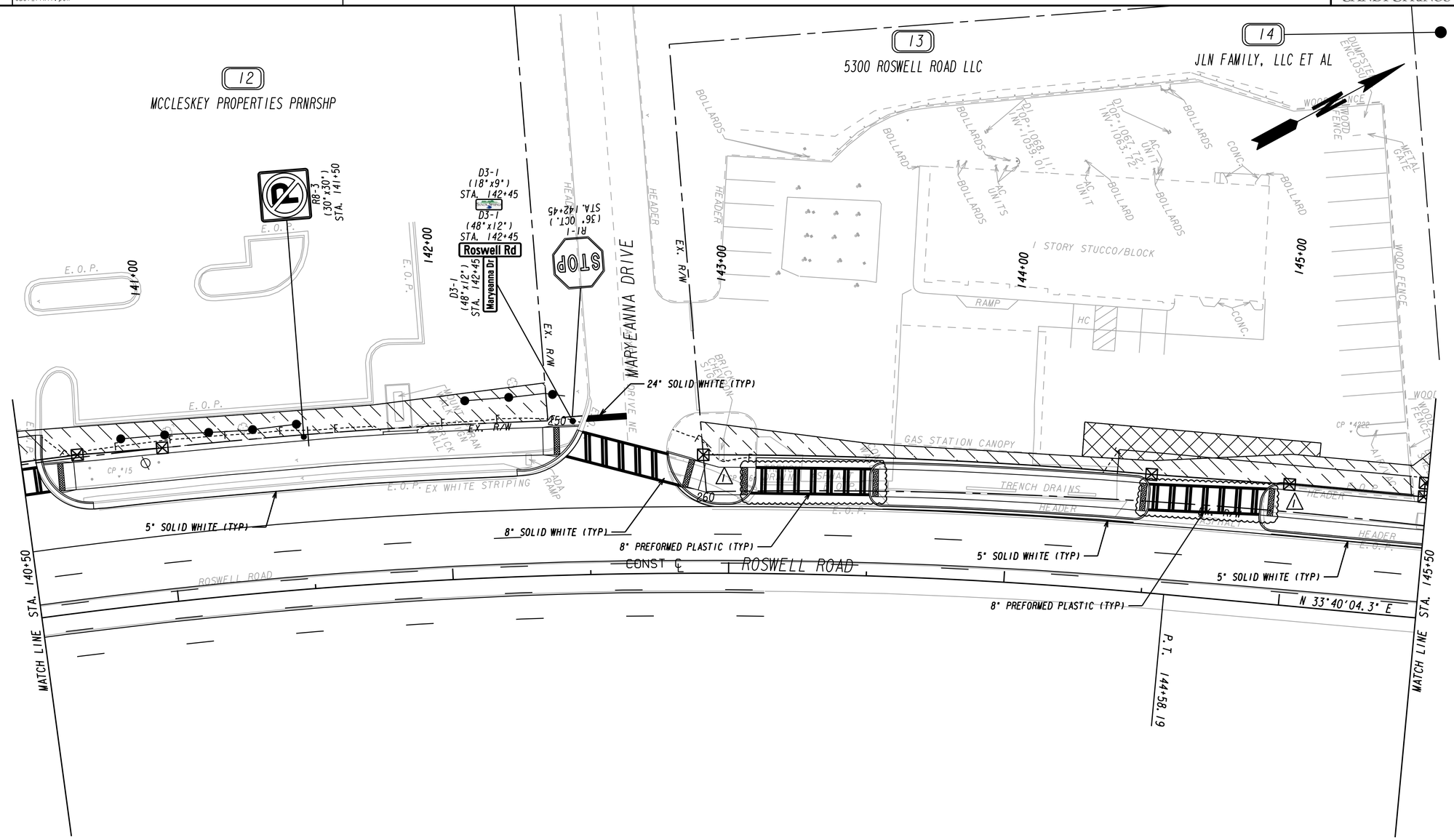
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 135+00 TO STA. 140+50

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	26-0007
CORRECTED:		DATE:	
VERIFIED:		DATE:	



CP *15
STA. 140+83.98, 47.47' LT.
N 1418370.8685
E 2231463.3296
EL. 1066.785

CP *16
STA. 143+05.97, 36.23' LT.
N 1418571.3246
E 2231570.4544
EL. 1067.363

CP *4222
STA. 145+20.59, 65.23' LT.
N 1418772.0619
E 2231661.4284
EL. 1067.566

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31711 KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
09/09/19		

SIGNING AND MARKING PLANS

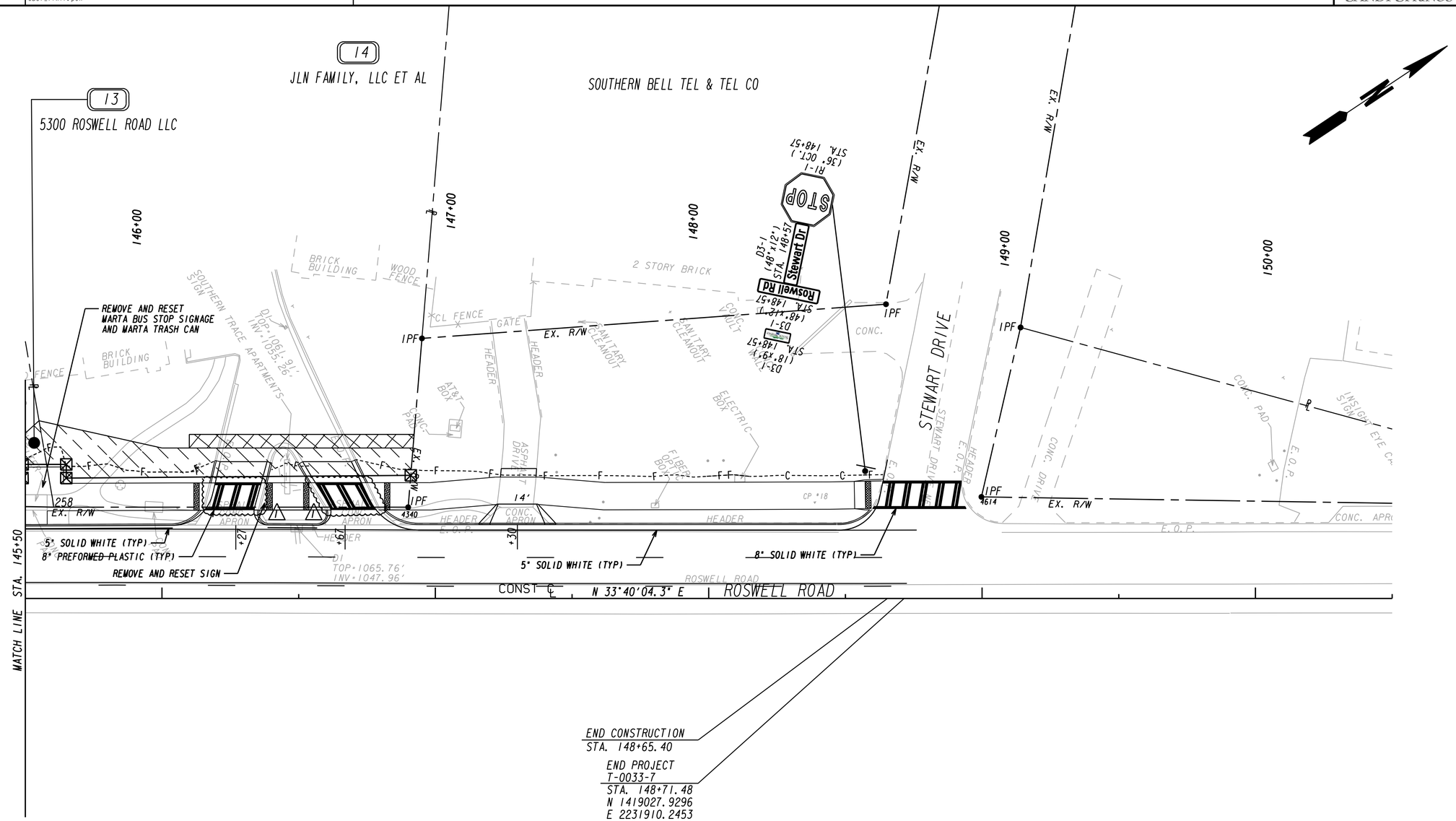
CDBG ROSWELL ROAD SIDEWALKS
STA. 140+50 TO STA. 145+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 26-0008

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



CP #17
STA. 146+05.84, 32.99' LT.
N 1418825.1356
E 2231735.5263
EL. 1066.544

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31111 9/5/19 KIMBERLEY TYSON BAKER

CP #18
STA. 148+38.94, 35.18' LT.
N 1419020.3532
E 2231862.9260
EL. 1065.239

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
09/09/19		

SIGNING AND MARKING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 145+50 TO END PROJECT

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	26-0009
CORRECTED:		DATE:	
VERIFIED:		DATE:	

SIGNAL LEGEND

EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 4 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 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPOSED SIGNAL

- CONTROLLER CABINET WITH BATTERY BACKUP
- 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 SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP - (See ADA Detail)
- PULLBOX,TP 2
- PULLBOX,TP 3
- PULLBOX,TP 5
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 VIRTUAL DETECTION ZONE
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST
- RADAR DETECTION SYSTEM

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

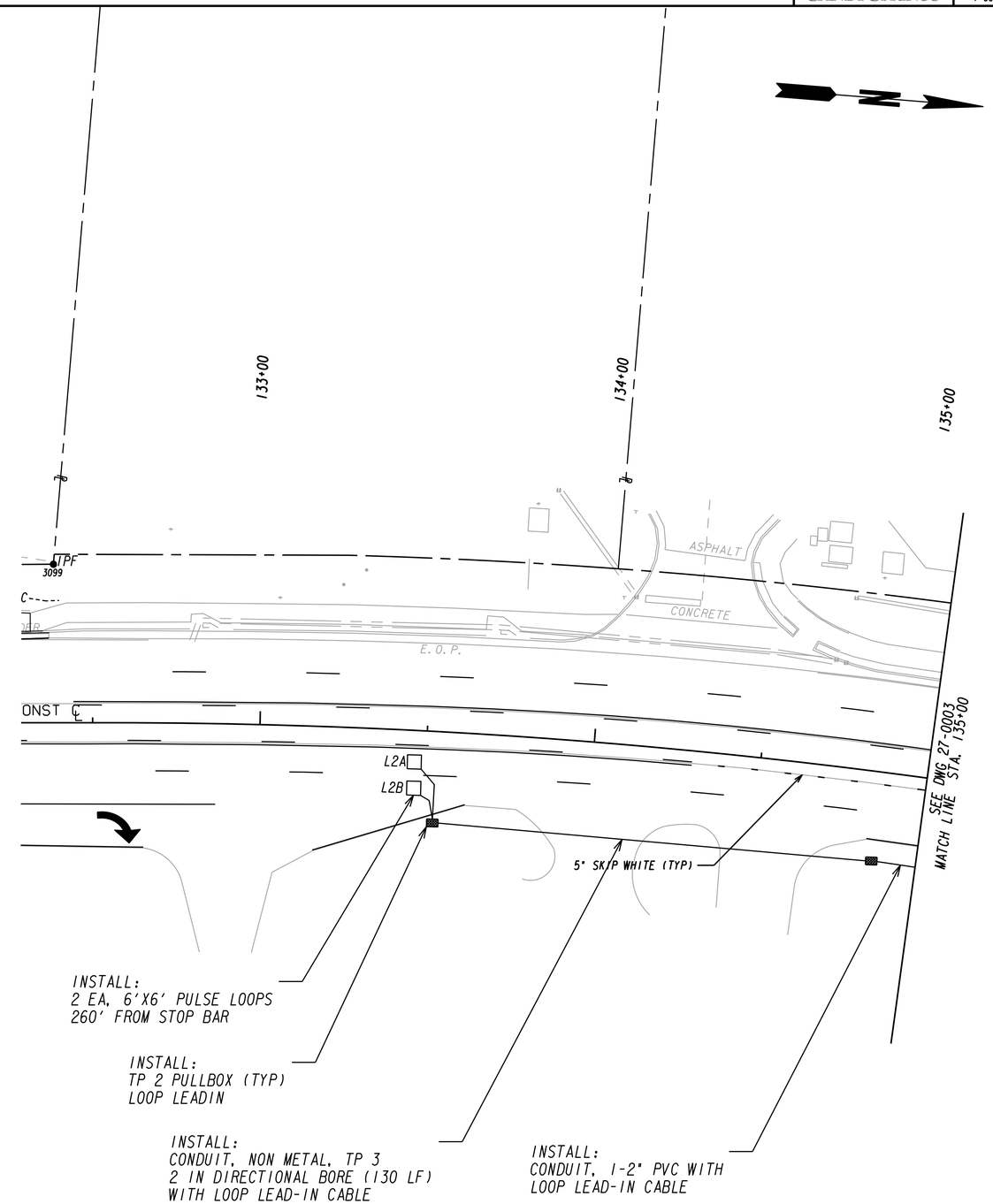
SANDY SPRINGS GEORGIA

REVISION DATES		

SIGNAL PLANS
SR9/ROSWELL RD AT
MT. PARAN RD AND BEACHLAND DR

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 27-0001



GEORGIA REGISTERED PROFESSIONAL ENGINEER 30-5113 KIMBERLEY TYSON BAKER 9/16/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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420 TECHNOLOGY PARKWAY, STE. 150
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(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNAL PLANS

SR 9/ROSWELL RD AT
MT. PARAN RD AND BEACHLAND DR.

CHECKED:		DATE:	
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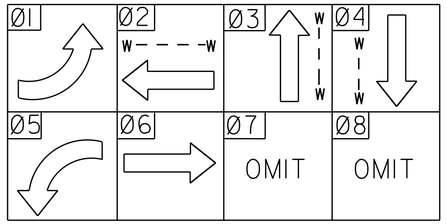
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 27-0002

10/23/2015 GPLN

PHASING DIAGRAM

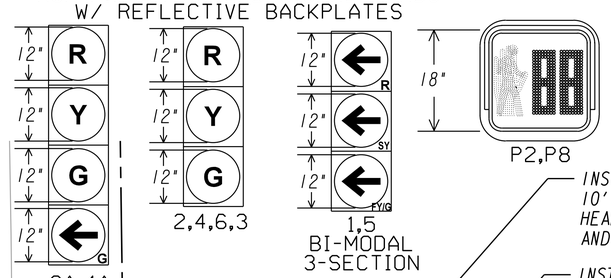


PEDESTRIAN SIGNS

R10-3E(L) 9" X 15" R10-3E(R) 9" X 15"

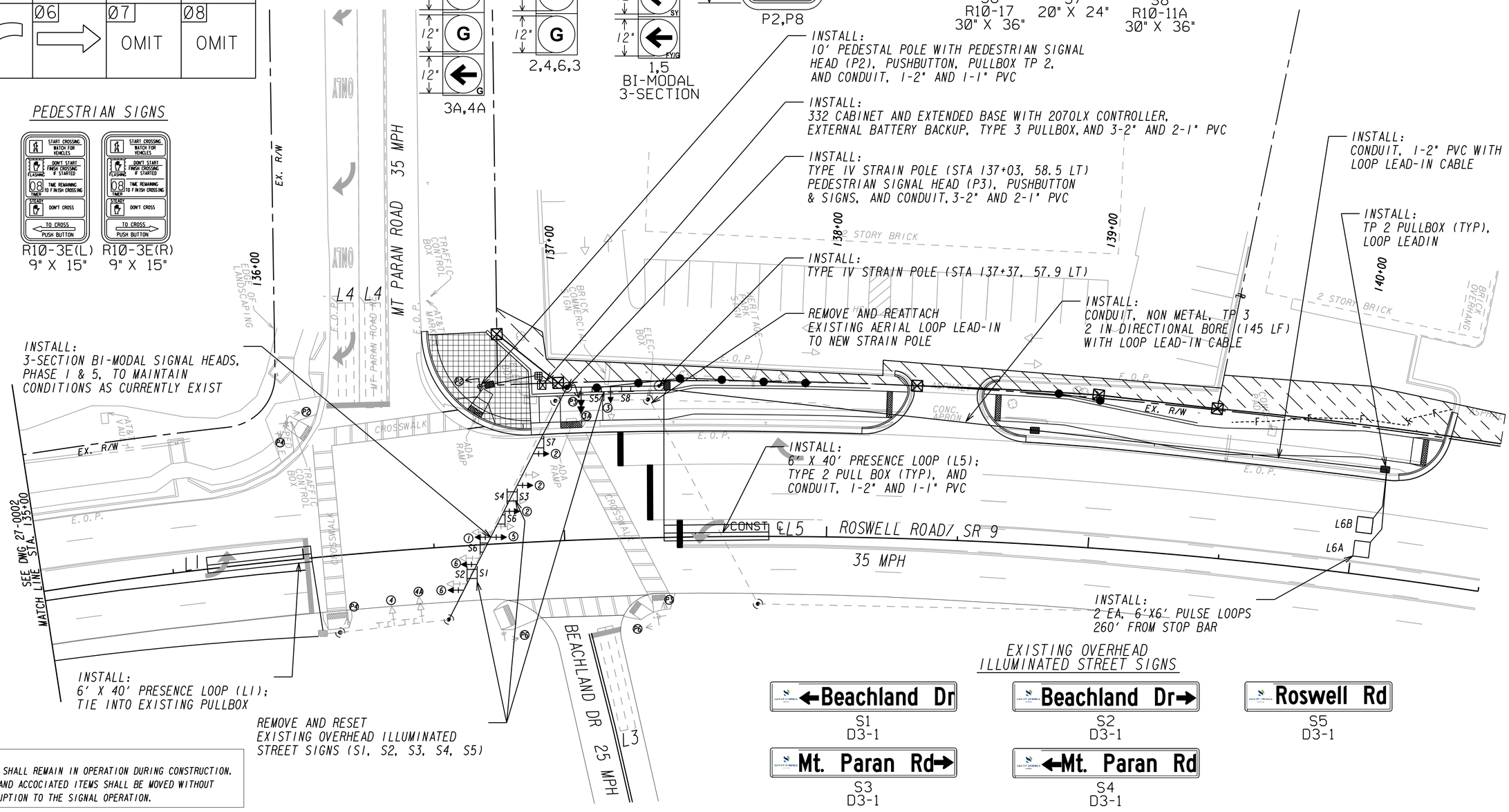
SIGNAL HEADS

NON-PIXELATED LED SIGNAL HEADS W/ REFLECTIVE BACKPLATES



REGULATORY SIGNS

S6 R10-17 30" X 36" S7 20" X 24" S8 R10-11A 30" X 36"



EXISTING OVERHEAD ILLUMINATED STREET SIGNS

S1 D3-1 S2 D3-1 S5 D3-1 S3 D3-1 S4 D3-1

NOTE:
SIGNAL SHALL REMAIN IN OPERATION DURING CONSTRUCTION. POLES AND ACCOCIATED ITEMS SHALL BE MOVED WITHOUT INTERRUPTION TO THE SIGNAL OPERATION.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET 0 20 40 80

REVISION DATES

SIGNAL PLANS

SR 9/ROSWELL RD AT MT. PARAN RD AND BEACHLAND DR

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

10/23/2015 GPLN

332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14

UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	2-CH	2-CH			2-CH	2-CH						DC 150	DC 150	DC 150
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION	L1	L2A			L3	L4						Ø2 PED	Ø6 PED	FLASH
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C

CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION		L2B										Ø4 PED		STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	2-CH	2-CH												
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION	L5	L6A												
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12

CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION		L6B												
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

LIST OF MATERIALS

LIST OF MATERIALS (FOR INFORMATION ONLY)	UNIT	QUANTITY
---	---	---
CONTROLLER CABINET ASSEMBLIES		
A. CONTROLLER UNIT, MODEL 2070 LX (Preferred)	EA	1
E. CABINET ASSEMBLY, MODEL 332	EA	1
F. SWITCH PACK (Load Switch)	EA	11
G. DC ISOLATOR	EA	3
H. LOOP DETECTOR, 2 CHANNEL	EA	8
BATTERY BACKUP SYSTEM - EXTERNAL MOUNTED, CABINET (per GDOT specs)	EA	1
332 PREFABRICATED CONTROLLER CABINET BASE w/BBS EXTENTION	EA	1
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG	REEL	2
SIGNAL CABLE (14 AWG); 10 CONDUCTOR, PER 1000 FT.	REEL	3
LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	2
3-SECTION, 12" SIGNAL HEAD LED - , YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	5
3-SECTION, 12" SIGNAL HEAD LED-, BI-MODAL, GREEN ARROW/YELLOW ARROW, YELLOW HOUSING W/ BLACK FRONT, PLASTIC	EA	2
4-SECTION, 12" SIGNAL HEAD LED - , YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	1
1-SECTION, 16" x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP		
9" HIGH, Numbers & 12" Symbols	EA	2
PEDESTRIAN PUSHBUTTONS STATIONS, w/BUTTONS and SIGNS:		
9" x 15", R10-3e, (L)eft or (R)ight, Countdown	EA	2
BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE	EA	8
BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE	EA	1
HARDWARE FOR SPANWIRE MOUNTING (3 or 4 Section Signals)	EA	8
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	1
HARDWARE FOR SIDE-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY; CONCRETE, TIMBER, STEI	EA	1
PEDESTAL POLE & SQUARE BASE	EA	1
PULL BOX, PB-2	EA	5
PULL BOX, PB-3	EA	1
LOOP SAW CUT	LF	510
CONDUIT, 1"	LF	35
CONDUIT, 2"	LF	450
R10-17, LEFT TURN YIELD ON FLASHING YELLOW ARROW	EA	2
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

PAY ITEMS

615-1200	DIRECTIONAL BORE, 3"	LF	275
636-1033	HIGHWAY SIGNS , TP 1 MATL, REFL SHEETING, TP 9	SF	26
639-3004	STEEL STRAIN POLE, TP IV	EA	2
647-1000	TRAFFIC SIGNAL INSTALLATION NO. #1	LUMP	LUMP

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31171 KIMBERLEY TYSON BAKER 9/5/19

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

REVISION DATES
11/14/2019

SIGNAL PLANS
SR 9/ROSWELL RD AT
MT. PARAN RD AND BEACHLAND DR

CHECKED: DATE:
BACKCHECKED: DATE:
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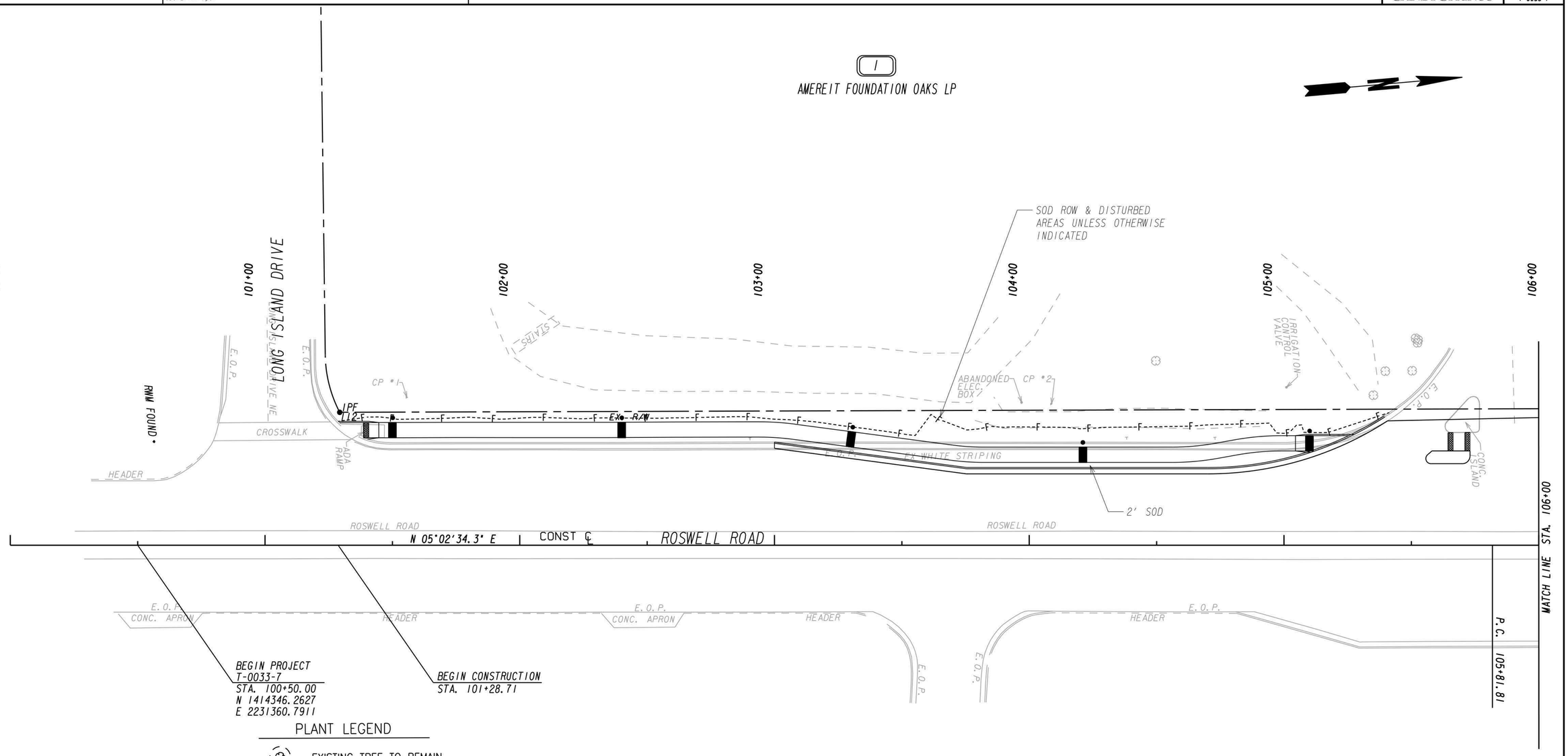
DRAWING No. 27-0004



PLANT LEGEND

- EXISTING TREE TO REMAIN
- HIGHTOWER OAK
- MUSKOGEE CRAPE MYRTLE
- EMERALD GREEN ARBORVITAE
- INDIAN PRINCESS HAWTHORN
- GEORGIA PETITE HAWTHORN
- LIRIOPE

CP #1
STA. 101+55.75, 57.98' LT.
N 1414456.7000
E 2231312.3300
EL. 1027.400

CP #2
STA. 104+08.81, 55.41' LT.
N 1414708.5500
E 2231337.1400
EL. 1036.410

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

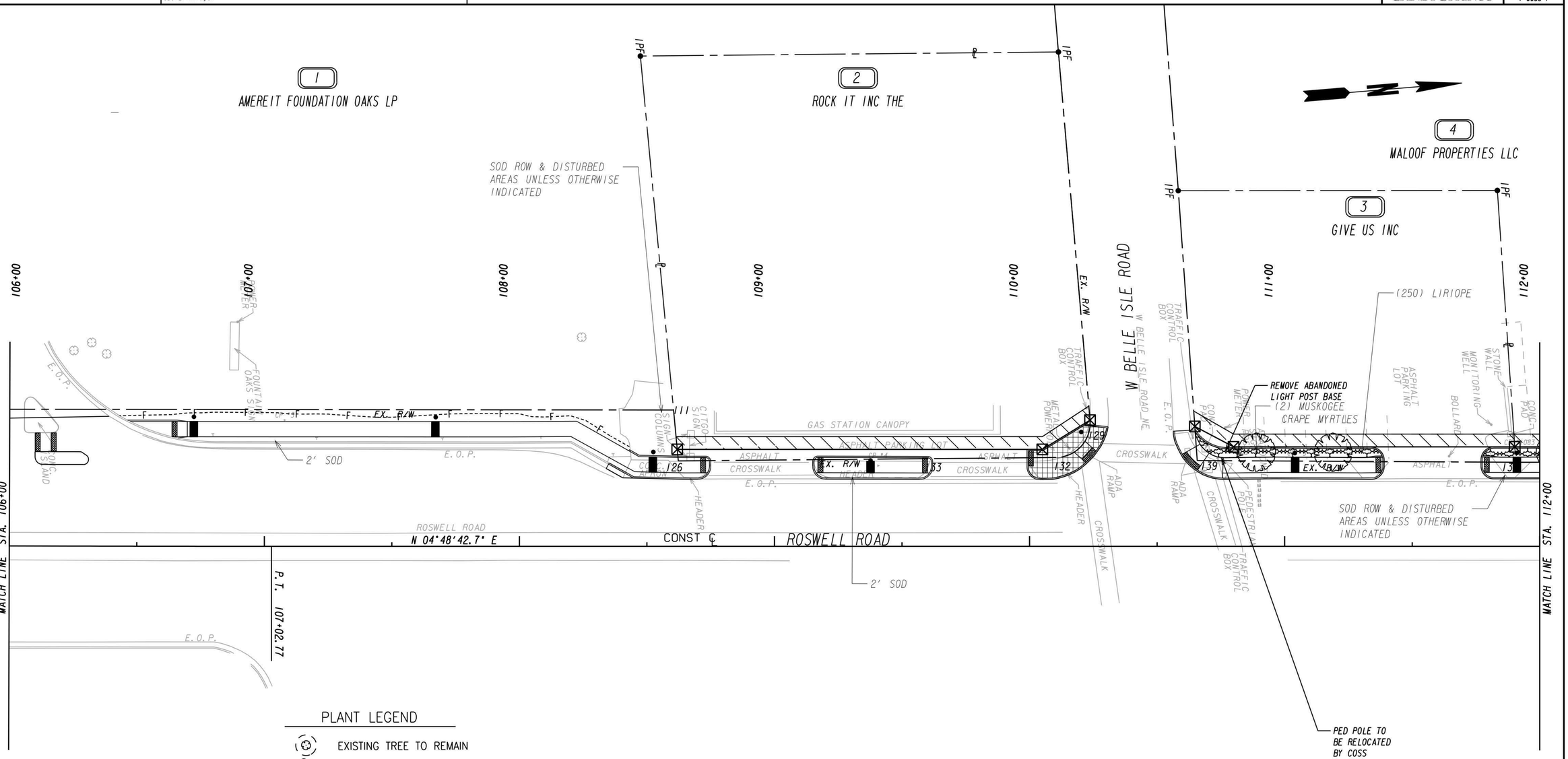
CDBG ROSWELL ROAD SIDEWALKS
BEGIN PROJECT TO STA. 106+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 29-0001

GEORGIA REGISTERED No. 1603 LANDSCAPE ARCHITECT ROGER GORDON GRANT
9/10/19

10/23/2015 GPLN



PLANT LEGEND

- EXISTING TREE TO REMAIN
- HIGHTOWER OAK
- MUSKOGEE CRAPE MYRTLE
- EMERALD GREEN ARBORVITAE
- INDIAN PRINCESS HAWTHORN
- GEORGIA PETITE HAWTHORN
- LIRIOPE

CP *3
STA. 107+08.12. 49.44' LT.
N 1415006.0026
E 2231369.1079
EL. 1034.336

CP *4
STA. 109+40.84. 31.59' LT.
N 1415236.4040
E 2231406.4202
EL. 1032.849

CP *5
STA. 111+04.82. 32.82' LT.
N 1415399.9153
E 2231418.9483
EL. 1031.397

CP *1083
STA. 111+97.61. 43.03' LT.
N 1415493.2279
E 2231416.5574
EL. 1034.386

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 106+00 TO STA. 112+00

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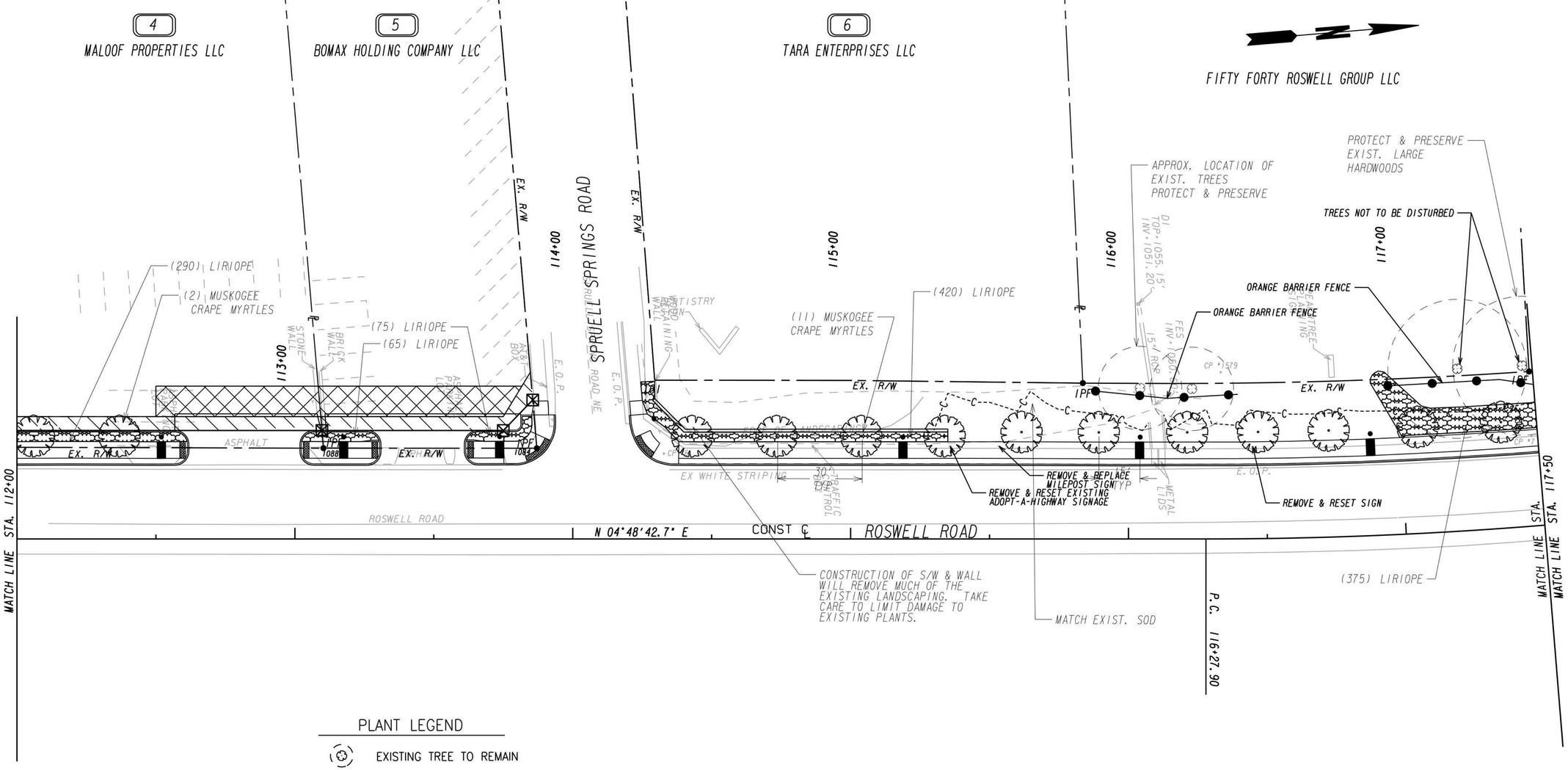
GEORGIA REGISTERED No. 1663 LANDSCAPE ARCHITECT ROGER GORDON GRANT
9/10/19
10/23/2015 GPLN



PLANT LEGEND

- EXISTING TREE TO REMAIN
- HIGHTOWER OAK
- MUSKOGEE CRAPE MYRTLE
- EMERALD GREEN ARBORVITAE
- INDIAN PRINCESS HAWTHORN
- GEORGIA PETITE HAWTHORN
- LIRIOPE

PROPERTY AND EXISTING R/W LINE	℄
REQUIRED R/W LINE	
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EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

GEORGIA REGISTERED No. 1603 LANDSCAPE ARCHITECT ROGER GORDON GRANT
9/10/19
10/23/2015 GPLN

Michael Baker INTERNATIONAL
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NORCROSS, GEORGIA 30092
(770) 263-3118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 112+00 TO STA. 117+50

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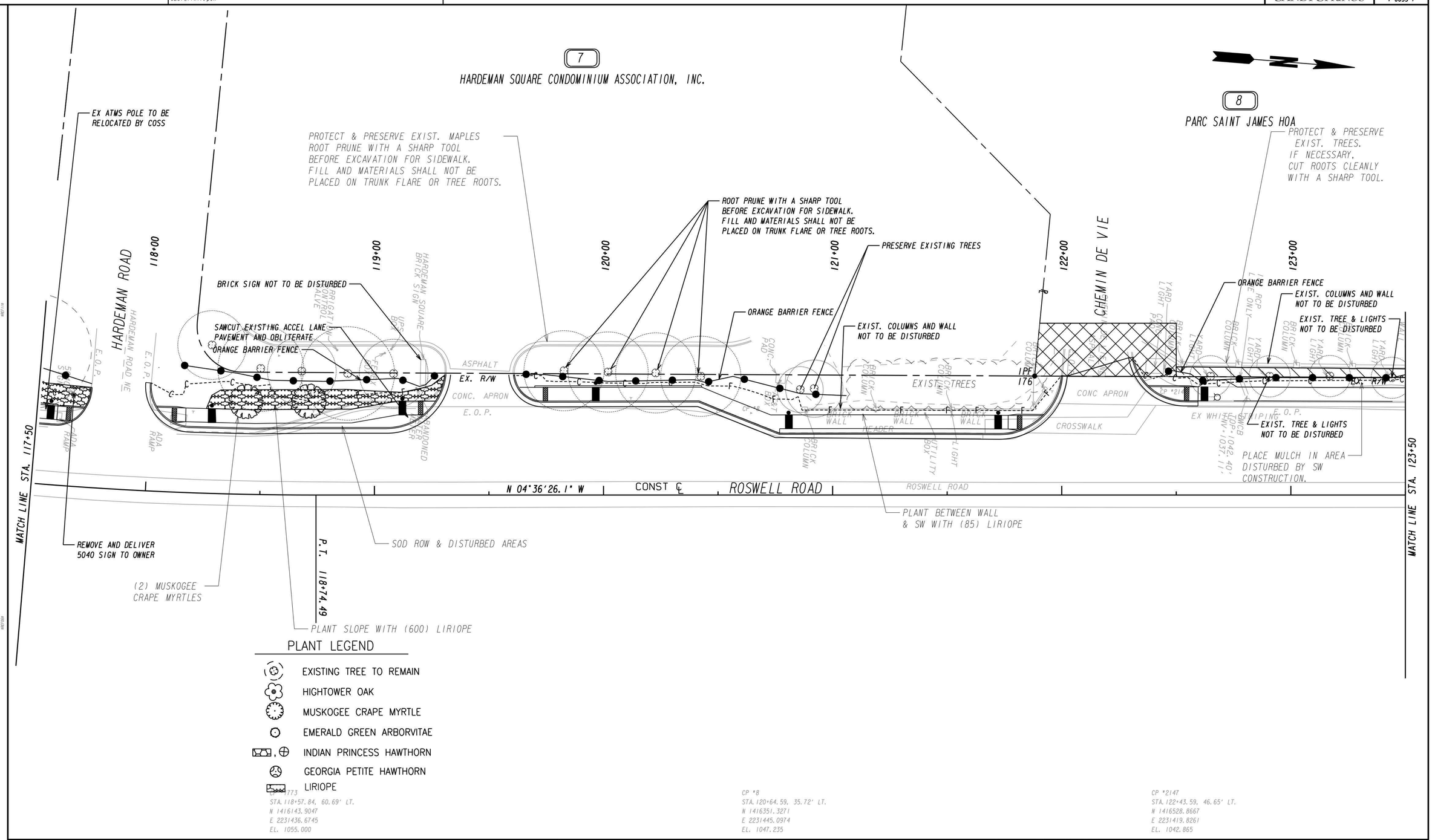
DRAWING No. 29-0003



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

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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 117+50 TO STA. 123+50

CHECKED:		DATE:	
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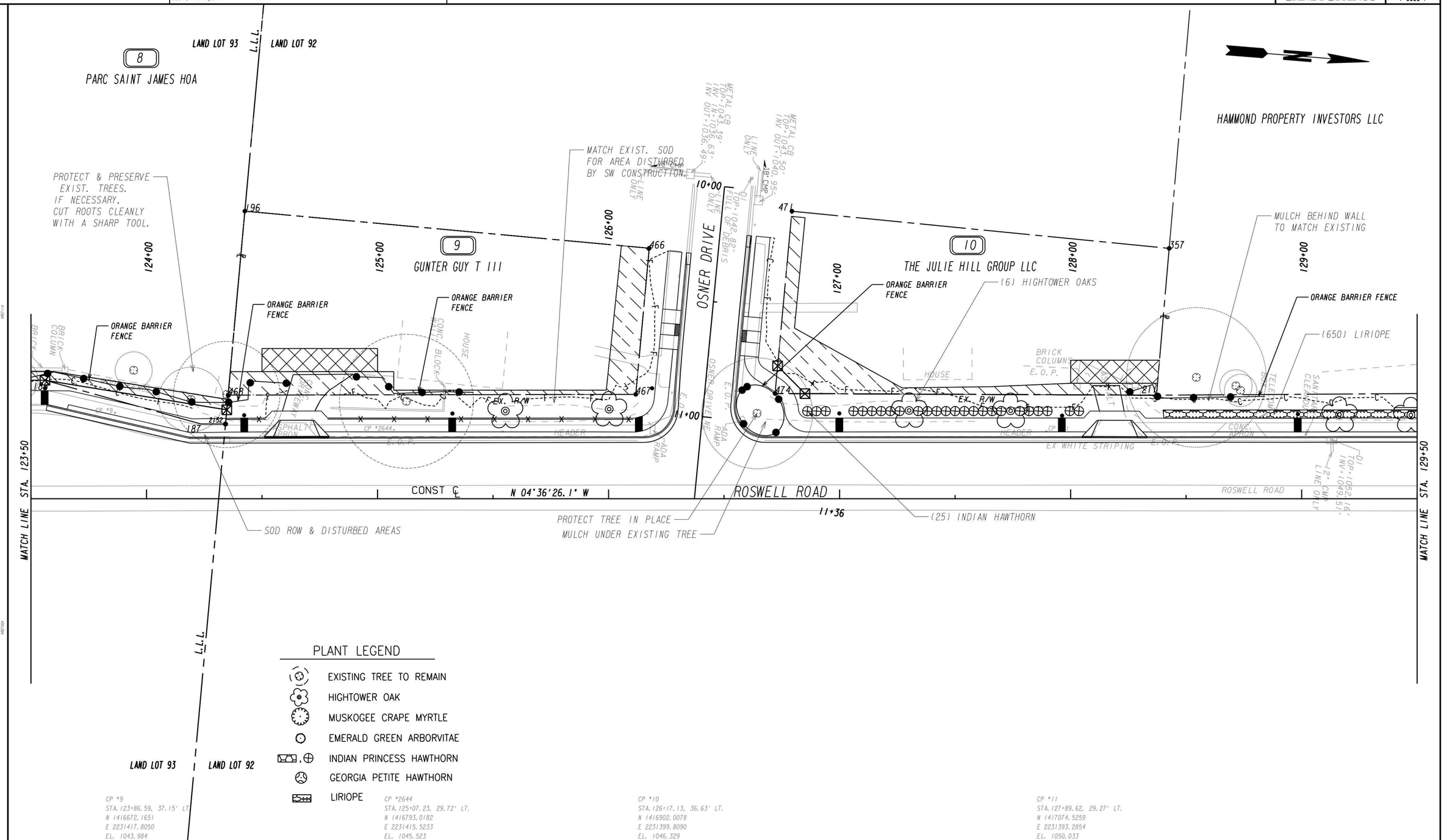
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 29-0004

GEORGIA REGISTERED No. 1603 LANDSCAPE ARCHITECT ROGER GORDON GRANT
9/10/19

CITY OF SANDY SPRINGS

P. I. No. T-0033-7



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

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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 123+50 TO STA. 129+50

CHECKED:		DATE:	
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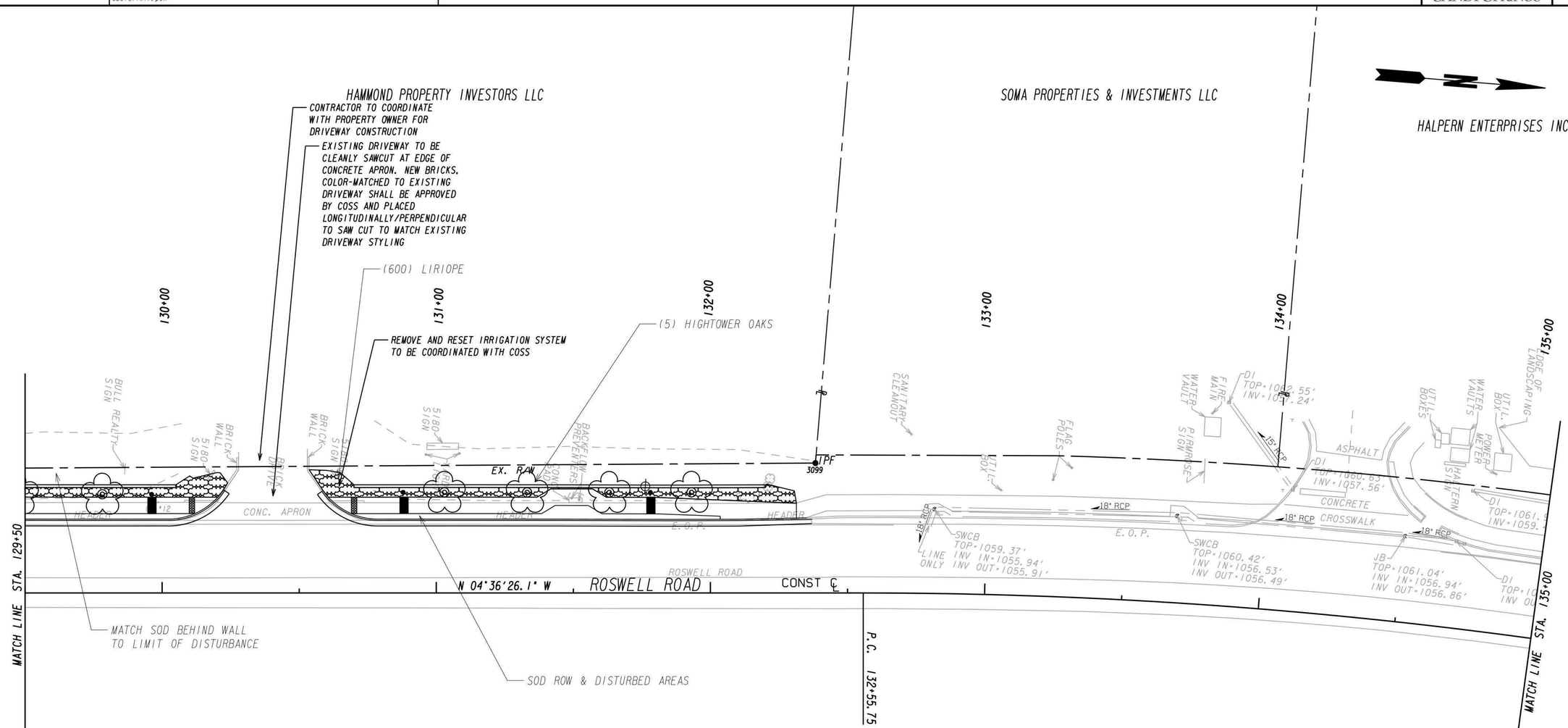
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 29-0005

GEORGIA REGISTERED No. 1603 LANDSCAPE ARCHITECT ROGER GORDON GRANT
9/10/19

10/23/2015 GPLN



PLANT LEGEND

- EXISTING TREE TO REMAIN
- HIGHTOWER OAK
- MUSKOGEE CRAPE MYRTLE
- EMERALD GREEN ARBORVITAE
- INDIAN PRINCESS HAWTHORN
- GEORGIA PETITE HAWTHORN
- LIRIOPE

CP *12
STA. 129+98.71, 33.00' LT.
N 1417282.6476
E 2231372.7750
EL. 1054.133

CP *13
STA. 132+13.89, 32.87' LT.
N 1417497.1432
E 2231355.6176
EL. 1058.047

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 129+50 TO STA. 135+00

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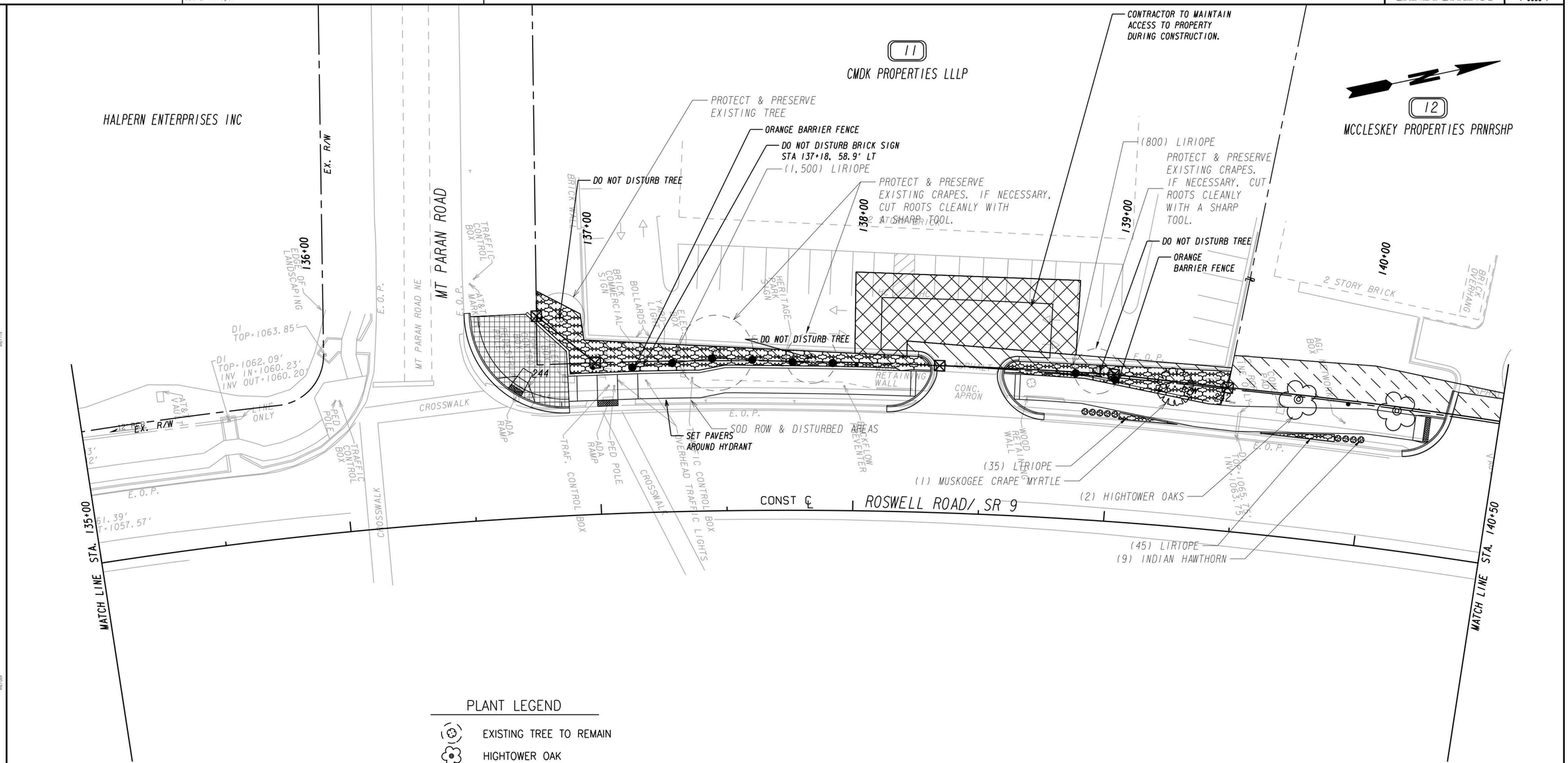
VERIFIED:		DATE:		

GEORGIA REGISTERED No. 1603 LANDSCAPE ARCHITECT ROGER GORDON GRANT
9/10/19
10/23/2015 GPLN



PLANT LEGEND

- EXISTING TREE TO REMAIN
- HIGHTOWER OAK
- MUSKOGEE CRAPE MYRTLE
- EMERALD GREEN ARBORVITAE
- INDIAN PRINCESS HAWTHORN
- GEORGIA PETITE HAWTHORN
- LIRIOPE

CP #14
STA. 136+80.28, 45.38' LT.
N 1417971.7759
E 2231356.0778
EL. 1065.029

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	
BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

GEORGIA REGISTERED No. 1663 LANDSCAPE ARCHITECT ROGER GORDON GRANT
9/10/19
10/23/2015 GPLN

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET 0 20 40 80

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 135+00 TO STA. 140+50

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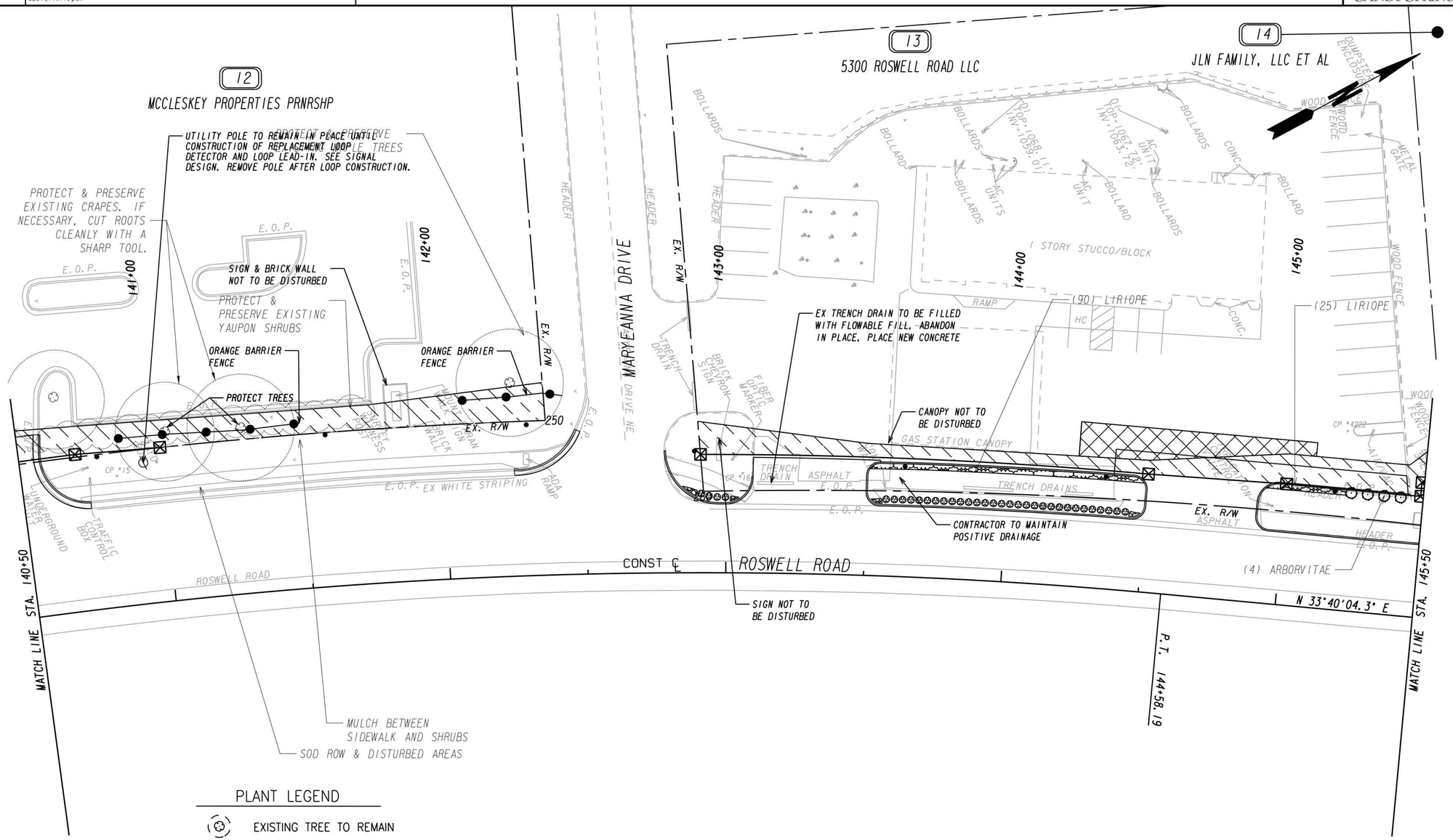

PLANT LEGEND

- EXISTING TREE TO REMAIN
- HIGHTOWER OAK
- MUSKOGEE CRAPE MYRTLE
- EMERALD GREEN ARBORVITAE
- INDIAN PRINCESS HAWTHORN
- GEORGIA PETITE HAWTHORN
- LIRIOPE

CP *15
STA. 140+83.98, 47.47' LT.
N 1418370.8685
E 2231463.3296
EL. 1066.785

CP *16
STA. 143+05.97, 36.23' LT.
N 1418571.3246
E 2231570.4544
EL. 1067.363

CP *4222
STA. 145+20.59, 65.23' LT.
N 1418772.0619
E 2231661.4284
EL. 1067.566

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	
BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

GEORGIA REGISTERED LANDSCAPE ARCHITECT No. 1603 ROGER GORDON GRANT
9/10/19

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 140+50 TO STA. 145+50

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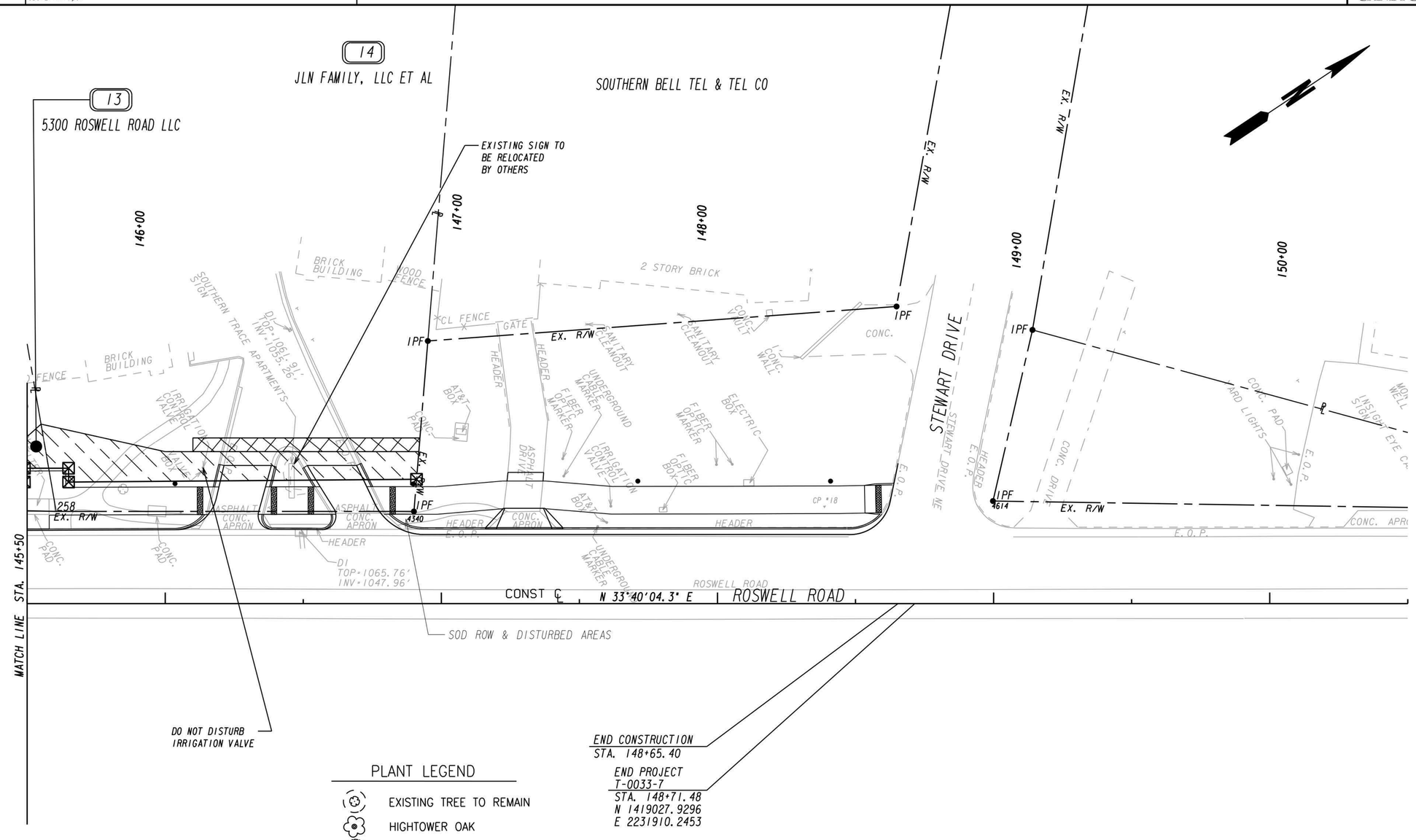

PLANT LEGEND

- EXISTING TREE TO REMAIN
- HIGHTOWER OAK
- MUSKOGEE CRAPE MYRTLE
- EMERALD GREEN ARBORVITAE
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- LIRIOPE

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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BEGIN LIMIT OF ACCESS.....BLA
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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS
STA. 145+50 TO END PROJECT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		29-0009
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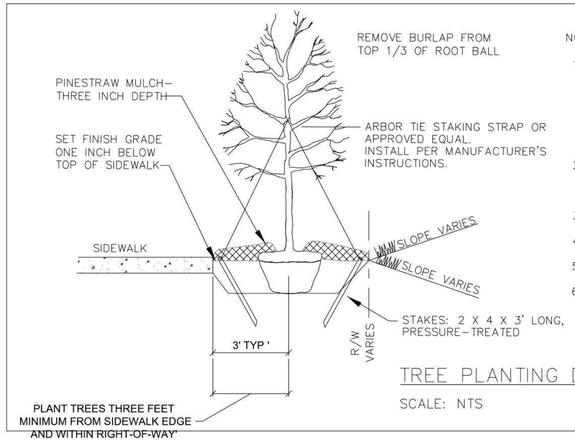
GEORGIA REGISTERED No. 1603 LANDSCAPE ARCHITECT ROGER GORDON GRANT
9/10/19
10/23/2015 GPLN

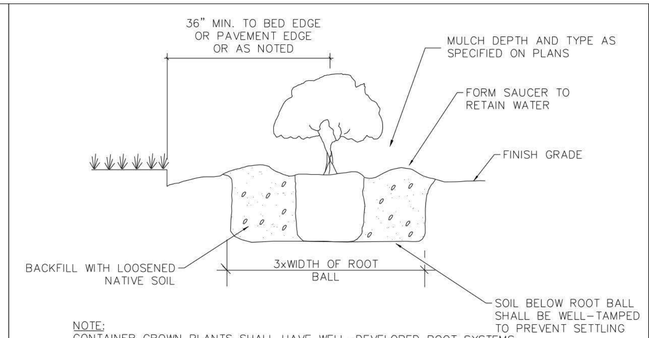


NOTES:

1. INSTALL TREES/ SHRUBS PLUMB. DO NOT DEPEND ON STAKING TO BRING TREE INTO PLUMB POSITION. STAKING SHALL BE ON AN AS-NEEDED BASIS. STAKING IS UNDESIRABLE BECAUSE OF THE POTENTIAL TRIPPING HAZARD AND POTENTIAL FOR GIRDLING IF WIRES ARE NOT REMOVED AS THE PLANT GROWS. IF STAKED, USE 3 GUY WIRES IN TRIANGULATION. KEEP ALL STAKING WITHIN THE RIGHT-OF-WAY.
2. DO NOT PILE MULCH AGAINST TREE TRUNK. MULCH RING SHALL BE SIX FEET IN DIAMETER. LOCATE STAKES WITHIN MULCH RING FOR EASE OF MAINTENANCE.
3. TREE PIT WIDTH - MINIMUM 2-TIMES THE WIDTH OF ROOTBALL.
4. REMOVE ALL CORD OR TWINE AROUND TRUNK TO PREVENT GIRDLING.
5. SET TOP OF TREE ROOTBALL 1.5-2 INCHES ABOVE FINISH GRADE.
6. AVOID EXCAVATION BELOW TREE ROOTBALLTO PREVENT SETTLING. BACKFILL TREE-PIT WITH LOOSENED NATIVE SOIL.

TREE PLANTING DETAIL FOR TYPICAL SECTION

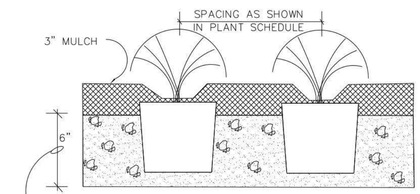
SCALE: NTS



NOTE:
CONTAINER GROWN PLANTS SHALL HAVE WELL-DEVELOPED ROOT SYSTEMS CAPABLE OF HOLDING THE SOIL INTACT AFTER REMOVAL FROM THE CONTAINER, BUT SHALL NOT BE "ROOT BOUND" SCARIFY ROOTS AS NECESSARY.

SHRUB PLANTING DETAIL

SCALE: NTS L05

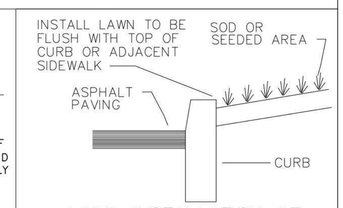


-TILL TO MIN. 6" DEPTH, INCORPORATING INTO THE SOIL A MINIMUM OF 2" LAYER OF PINEBARK OVER ENTIRE GROUNDCOVER BED. APPLY AND TILL LIME AND FERTILIZER AS RECOMMENDED BY GDOT STANDARD SPECS, SECTION 702.3.

-INSTALL USING TRIANGULAR SPACING SYSTEM.

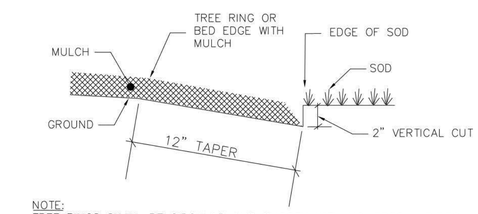
GROUNDCOVER PLANTING DETAIL

NOT TO SCALE



LAWN INSTALLATION AT CURB OR WALKWAY

NOT TO SCALE



NOTE:
TREE RINGS SHALL BE CIRCULAR AND SMOOTH WITH NO IRREGULARITIES.

TRENCHED EDGE DETAIL FOR MULCH RING & BED EDGE ADJACENT TO SOD OR GRASS

SCALE: NTS

PLANT LEGEND & SCHEDULE

QUANTITY	SYMBOL	COMMON/BOTANICAL NAME	CAL.	HEIGHT	SPREAD	CONDITION	SIZE	SPACING	REMARKS
		TREES							
28		QUERCUS PHELLOS 'HIGHTOWER' HIGHTOWER WILLOW OAK	3" MIN.	14'-16'	5'-6'	B&B OR CONT		AS SHOWN	WELL BALANCED HEAD, STRAIGHT TRUNK. MATCHED SPECIMENS
25		LAGERSTROEMIA X 'MUSKOGEE' MUSKOGEE CRAPE MYRTLE	3" MIN.	7'-8'	3'-3.5'	B&B OR CONT		AS SHOWN	STANDARD TRUNK, CLR TO 4'. MATCHED SPECIMENS. WELL-BALANCED HEAD.
4		THUJA OCCIDENTALIS 'SMARAGD' EMERALD GREEN ARBORVITAE		5'-6'	2.5'-3'	B&B OR CONT		AS SHOWN	FULL TO GROUND, MATCHED SPECIMENS
		SHRUBS							
100	OR	RAPHIOLEPIS INDICA 'INDIAN PRINCESS' DWARF INDIAN HAWTHORN		2'-2.5'	2'-2.5'	CONT	3 GAL	3-4' O.C.	FULL, DENSE, BUSHY MATCHED
68		RAPHIOLEPIS X DELACOURII 'GEORGIA PETITE' GA PETITE HAWTHORN		1.5'-2'	1.5'-2'	CONT	3 GAL	3' O.C.	FULL, DENSE, BUSHY MATCHED
		GROUNDCOVERS							
6,400		LIRIOPE MUSCARI 'BIG BLUE' BIG BLUE LIRIOPE		8-12"	8-12"	CONT	1 GAL	15" O.C.	FULL, DENSE, BUSHY MATCHED
SEE MAIN PROJECT QUANTITIES		HYBRID BERMUDA SOD - TIFTUF PLANT BETWEEN SIDEWALK AND B.O.C AND ALL DISTURBED AREAS UNLESS OTHERWISE INDICATED.							

DETAILED NEW PLANTING SCHEDULE

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	NEW PLANTING MATERIALS		
702-0905	QUERCUS PHELLOS	EA	28
702-0536	LAGERSTROEMIA INDICA 'MUSKOGEE'	EA	25
702-1059	THUJA OCCIDENTALIS	EA	4
702-0977	RAPHIOLEPIS INDICA	EA	168
702-0560	LIRIOPE MUSCARI 'BIG BLUE'	EA	6,400
702-9025	LANDSCAPE MULCH	SY	2,000
700-9300	SOD - HYBRID BERMUDA	SY	9,000

GENERAL NOTES:

1. PLANT LIST QUANTITIES ARE FOR REFERENCE ONLY. KEYED PLANS SHALL GOVERN OVER PLANT LIST.
2. ALL PLANTS AND PLANT BEDS SHALL RECEIVE A 3" LAYER OF HARDWOOD MULCH. APPLY PRE-EMERGENT TO ALL BEDS AND TREE RINGS PER MANUFACTURER'S RECOMMENDATIONS. APPLY PRE-EMERGENT TO ALL SOD AREAS PRIOR TO INSTALLATION.
3. THE GENERAL CONTRACTOR SHALL SUPPLY ROUGH GRADES +\\-0.2 FEET, WITH POSITIVE DRAINAGE PATTERNS ESTABLISHED. THE LANDSCAPE CONTRACTOR WILL FINE GRADE FOR PLANTING OPERATIONS.
4. TOPSOIL SHALL BE STRIPPED AND STOCKPILED BY THE GRADING CONTRACTOR. STOCKPILED TOPSOIL WILL BE SPREAD BY THE GRADING CONTRACTOR TO A MINIMUM DEPTH OF 4 INCHES IF QUANTITIES ARE SUFFICIENT. GRADING CONTRACTOR SHALL PROVIDE STOCKPILED TOPSOIL FOR LANDSCAPE CONTRACTOR TO USE FOR BACKFILL OF LANDSCAPE ISLANDS (SEE DETAIL ON SHEET L-3B). CONTRACTOR SHALL COMPLY WITH ADDITIONAL TOPSOIL SPECIFICATIONS IDENTIFIED IN ITEM 7 BELOW.
5. ALL PLANT MATERIAL SHALL MEET OR EXCEED SIZE AND SHAPE RELATIONSHIPS SPECIFIED IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
6. ALL SIZES SPECIFIED REFER TO SIZE AT TIME OF PLANTING.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING STANDARDS SET FORTH IN THE GEORGIA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS-CONSTRUCTION OF TRANSPORTATION SYSTEMS', 2013 EDITION. SPECIFICALLY REFER TO SECTIONS:
   893 (MISCELLANEOUS PLANT MATERIALS)
   700 (GRASSING)
   702 (VINE, SHRUB, AND TREE PLANTING)
   705 (TRANSPLANTING TREES)
   706 (TURF ESTABLISHMENT)
   708 (PLANT TOPSOIL)
   725 (WEED CONTROL)

   THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY ACCEPTANCE AND CONTRACTOR WARRANTY AND MAINTENANCE SECTIONS 702.3.06 AND 702.3.07 OF THE ABOVE REFERENCED GDOT 2013 SPECIFICATIONS BOOK FOR A PERIOD OF NOT LESS THAN 24 MONTHS FROM THE DATE OF THE LAST PLANTING SPECIFIED.
8. "TOPPING" OF TREES SHALL BE PROHIBITED.
9. THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION-RELATED ACTIVITIES (SUCH AS THE USE OF EASEMENTS, STAGING, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, TRAILER PLACEMENT, ETC.) OCCUR UNDER THE DRIP LINE OF EXISTING TREES IN THE RIGHT OF WAY. THIS DOES NOT APPLY TO TREES WITHIN THE CONSTRUCTION LIMITS OR LIMITS OF DISTURBANCE THAT WILL BE REMOVED OR DESTROYED TO ALLOW FOR CONSTRUCTION.
10. STRAPS SHALL HAVE ENOUGH SLACK TO ALLOW MOVEMENT OF THE TRUNK AND TOP, BUT NOT ENOUGH TO ALLOW THE ROOTBALL TO SHIFT.

GEORGIA REGISTERED No. 1603 LANDSCAPE ARCHITECT ROBERT GORDON GRANT
9/10/19

SANDY SPRINGS GEORGIA

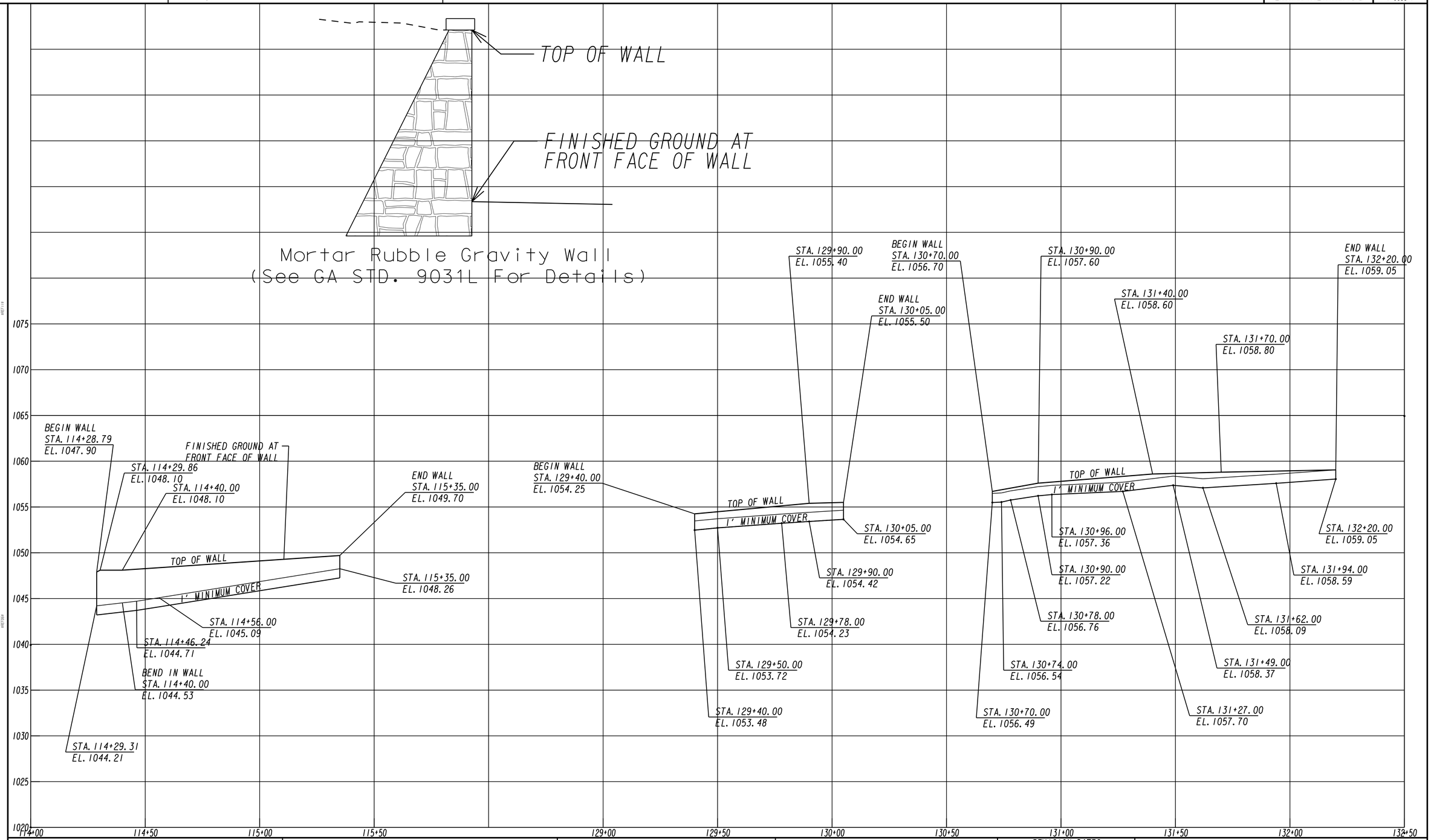
Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES		
REVISED	11/1/19	

LANDSCAPING PLANS

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		29-0010
CORRECTED:		DATE:		
VERIFIED:		DATE:		



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

SANDY SPRINGS GEORGIA

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 20 Feet
Vertical: 1 Inch = 5 Feet

REVISION DATES

WALL ENVELOPES

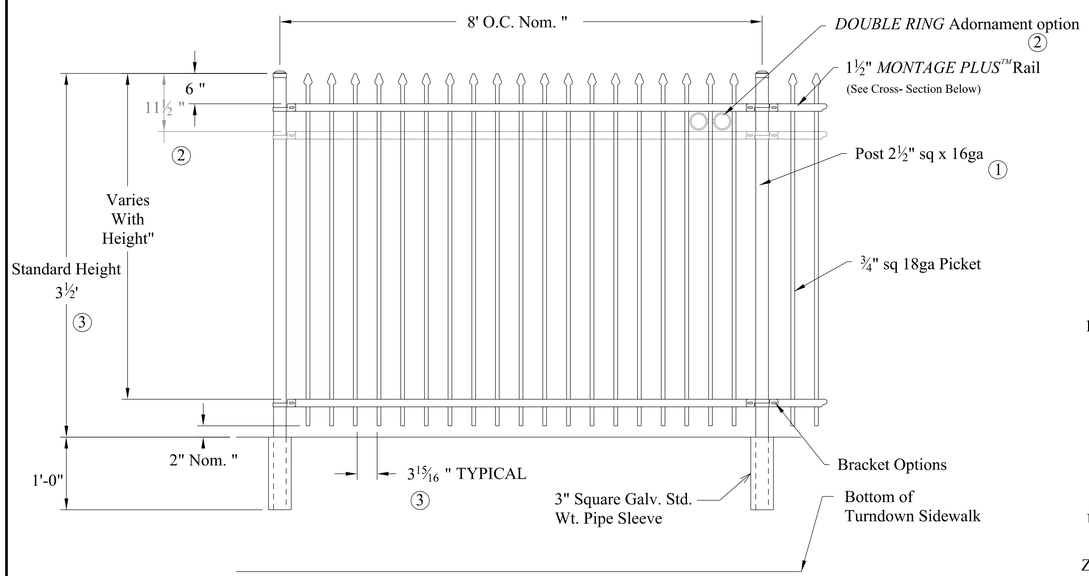
CDBG ROSWELL ROAD SIDEWALKS

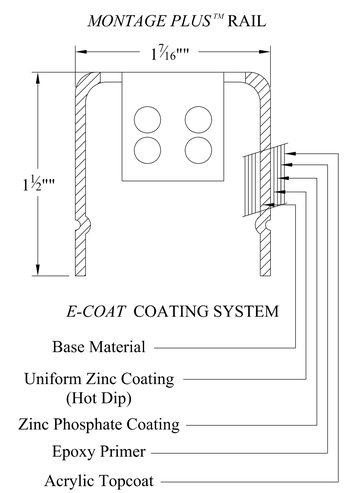
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

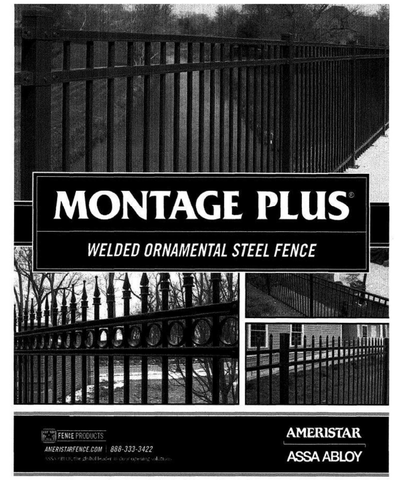
DRAWING No. 31-0001

DECORATIVE HANDRAIL DETAILS

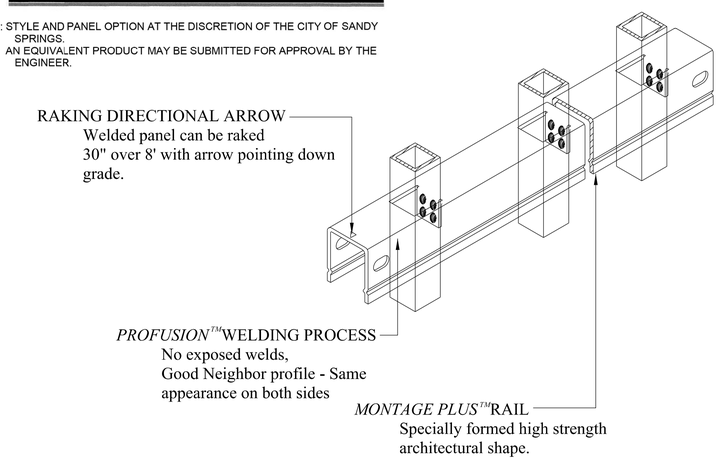
SEE PLANS FOR LOCATIONS

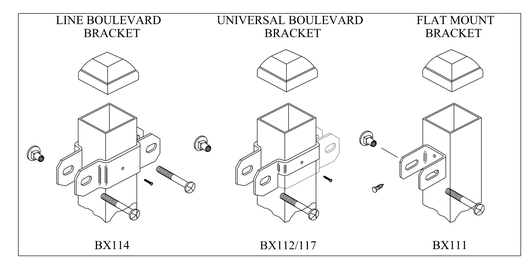






NOTE: STYLE AND PANEL OPTION AT THE DISCRETION OF THE CITY OF SANDY SPRINGS.
AN EQUIVALENT PRODUCT MAY BE SUBMITTED FOR APPROVAL BY THE ENGINEER.





Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

NOTES:
1. Post size depends on fence height and wind loads. See MONTAGE PLUS specifications for post sizing chart.
2. Third rail required for Double Rings.
3. Available in 3" air space and/or Flush Bottom on most heights.
4. Cast 3" square galvanized sleeve in the parapet. Allow non-shrink grout to cure for three days before fence is installed.
5. Apply galvanizing repair compound, in accordance with Georgia DOT Specification Section 645, to ends of 3" square galvanized sleeves.
6. For further details, see Georgia DOT Specification Sections 643 and 894.

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

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(770) 263-9118

REVISION DATES		
11/14/2019		

SPECIAL CONSTRUCTION DETAIL
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 38-0001

CITY OF SANDY SPRINGS
DEPARTMENT OF PUBLIC WORKS

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN
CDBG ROSWELL ROAD SIDEWALKS
FROM LONG ISLAND DRIVE TO THE PRADO
PHASES 1 & 2
Project No. T-0033-7

LOCATION SKETCH

"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 plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

24 HOUR CONTACT:
To be completed after General Contractor is Selected.

NAME

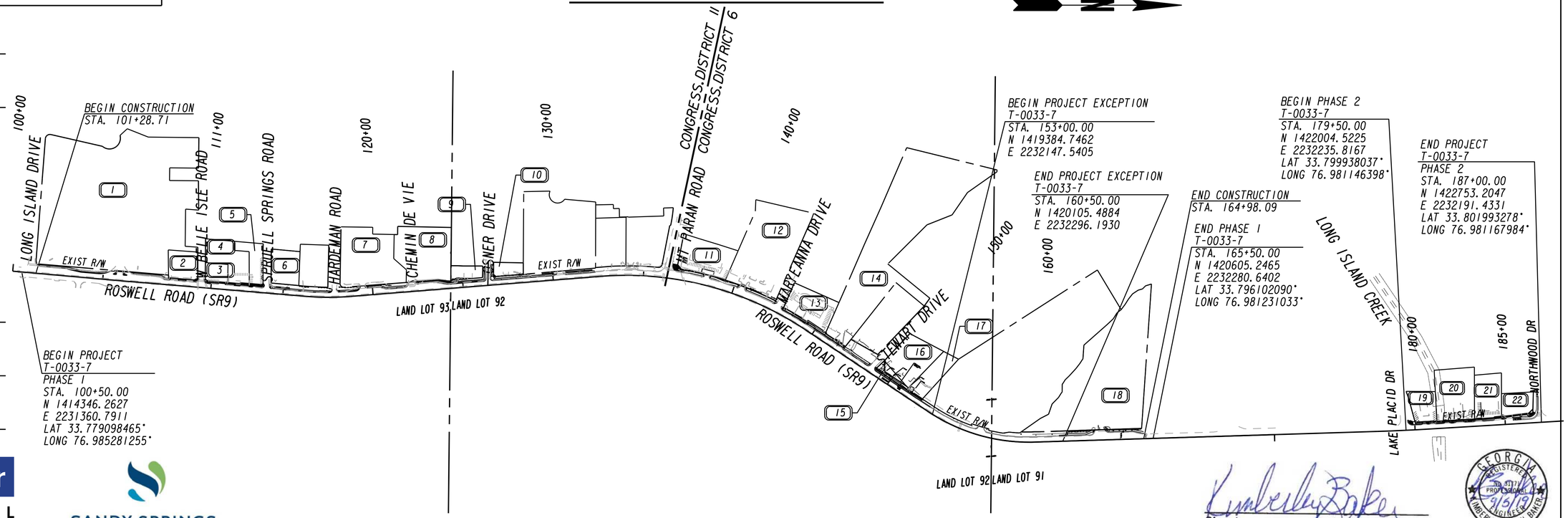
PHONE NUMBER

PRIMARY PERMITTEE:
To be completed after General Contractor is Selected.

NAME

ADDRESS

PHONE NUMBER



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(770) 263-9118

SANDY SPRINGS
GEORGIA

Signature

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

KIMBERLEY TYSON BAKER, P.E. GSWCC LEVEL II Certification #0000007845

NOTE :
ALL WORK TO BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS OF THE DEPARTMENT OF TRANSPORTATION OF GEORGIA CURRENT EDITION AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.

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.

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.

SCALE IN FEET
0 300 600 1200

LENGTH OF PROJECT	MILES
NET LENGTH OF ROADWAY	1.373
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	1.373
NET LENGTH OF EXCEPTIONS	0.142
GROSS LENGTH OF PROJECT	1.231

PLANS COMPLETED 11-01-2018

REVISIONS

DATE	PAGE NUMBER	REQUESTED BY	SIGNATURE	GSWCC LEVEL II CERT.#
11-01-2018	50-0001, 51-0001-0004, 53-0001, 54-0003-0010, 54-0012, 55-0001	EPD		0000007845
02-05-2019	50-0001, 51-0003, 54-0013	EPD		0000007845
- -				
- -				
- -				
- -				
- -				

DRAWING No.
50-0001

GSWCC

Georgia Soil and Water Conservation Commission
EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Fulton County SWCD

Project Name: CDBG Sidewalk Roswell Rd **Address:**

City/County: Fulton **Date on Plans:**

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N	
51-0001	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of Ja 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)
50-0001	Y	2 Level II certification 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 reviev
50-0001	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution cor
50-0001	Y	4 Provide the name, address and phone number of primary permittee.
51-0002	Y	5 Note total and disturbed acreage of the project or phase under construction.
50-0001	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-0001	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisio
50-0001	Y	8 Description of the nature of construction activity.
50-0001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessar
53-0001	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential a wetlands, marshlands, etc. which may be affected.
50-0001	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&F Plan as stated on page 15 of the permit.
50-0001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropr and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the perm
50-0001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representati sampling as stated on page 26 of permit as applicable.*
51-0003	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with part IV.A.5 within 7 days after installation."*
51-0003	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed str buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measu from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
51-0003	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0002	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs hydraulic component must be certified by the design professional."*
51-0002	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized section 404 permit."*
51-0002	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion a sediment control measures and practices prior to land disturbing activities."
51-0002	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the ap Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be impli to control or treat the sediment source."
51-0002	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with or temporary seeding."
51-0003	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile ups of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which disc to the Impaired Stream Segment.*
N/A		23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 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.*
51-0002	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the at the construction site is prohibited.*
51-0002	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water will occur after construction operations have been completed.*
51-0002	Y	27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
51-0002	Y	28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portio the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, util activities, temporary and final stabilization).

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N	
51-0003	Y	29 Provide complete requirements of inspections and record keeping by the primary permittee.*
51-0004	Y	30 Provide complete requirements of sampling frequency and reporting of sampling results.*
51-0003	Y	31 Provide complete details for retention of records as per Part IV.F. of the permit.*
51-0004	Y	32 Description of analytical methods to be used to collect and analyze the samples from each location.*
51-0004	Y	33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
51-0004	Y	34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water i discharged also provide a summary chart of the justification and analysis for the representative sampling as applica
51-0002	Y	35 A description of appropriate controls and measures that will be implemented at the construction site including: (1) in sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3 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 int phase.*
ALL	Y	36 Graphic scale and North arrow.
55-0001	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
51-0003	Y	38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional 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.
51-0003	Y	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.*
55-0001	Y	40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffe required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
55-0001	Y	41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-0001	Y	42 Delineation and acreage of contributing drainage basins on the project site.
55-0001	Y	43 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-0001	Y	44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
55-0001	Y	45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-0002	Y	46 Soil series for the project site and their delineation.
54-ALL	Y	47 The limits of disturbance for each phase of construction.
51-0003	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 sto volume must be in place prior to and during all land disturbance activities 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 attai must be included in the plan for each common drainage location in which a sediment basin is not provided. A write justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual r included for structural BMPs and all calculations used by the design professional to obtain the required sediment st when using equivalent controls. When discharging from sediment basins and impoundments, permittees are requi utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water f the surface are not feasable, a written justification explaining this decision must be included in the plan.
54-ALL	Y	49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion a Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56-0000	Y	50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set fo the Manual for Erosion and Sediment Control in Georgia.
51-0002	Y	51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates a seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that se 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 **Effective January 1, 2018**

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 41171 KIMBERLEY TYSON BAKER 9/5/19

SANDY SPRINGS GEORGIA

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(770) 263-9118

REVISION DATES		
11/01/2018		

ESPCP GENERAL NOTES
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 51-0001

ESPCP GENERAL NOTES

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

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

ESPC ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses 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 to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Admendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along 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 minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

The initial BMP installation is shown in the initial phase and this includes all perimeter silt fence controls. This silt fence shall be installed concurrent with clearing and grubbing operations. Intermediate and final BMP's are shown throughout the intermediate and final phases. The BMP's to be installed during these phases are additional silt fence, inlet sediment traps, ditch checks, slope mats, filter rings, construction exits, temporary grassing, mulching, permanent grassing and temporary pipe slope drains. These BMP's shall be installed concurrently with mass grading operations with the exception of ditch checks, inlet traps, and filter rings which should be installed prior to mass grading operations. During mass grading operations, runoff from disturbed area must be directed to sediment control BMP's. Sediment basins are not utilized due to adverse impacts of constructing and removing the basin. Final BMP's included in this project are grassing and slope mats. These items are installed during mass grading operations, but are noted on the plans as permanent BMP's for final stabilization of that phase.

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

The EPD General NPDES GAR100002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates 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.

BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper 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 material, leaks 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.

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 likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

DEWATERING 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.

NONSTORMWATER DISCHARGES

Nonstormwater 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, oils, curing compounds, and other construction materials.

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".

OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

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.

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent, post-construction BMPs are shown in the construction plans and in the ESPCP plan. The post-construction BMPs for this project consist of vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channel/ditch stabilization with Turf Reinforcing Mats, rip-rap and concrete ditch lining where necessary. The post-construction BMPs will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.

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	Acres in AOI	Percent of AOI
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	1.0	6.5%
ReD	Rion sandy loam, 10 to 15 percent slopes	1.2	7.6%
Ub	Urban land	11.8	75.8%
UfC2	Urban land-Cecil complex, 2 to 10 percent slopes, moderately eroded	1.6	10.0%
Totals for Area of Interest		**15.5**	**100.0%**

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

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 spaced 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 immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

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REVISION DATES		
11/01/2018		

ESPCP GENERAL NOTES

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:		DRAWING No.
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CORRECTED:		DATE:		
VERIFIED:		DATE:		

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

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

Fabric check dams will be used on this project as an alternative BMP. The use of the alternative BMP for stone check dams has been reviewed by the Georgia EPD and has been determined by the Georgia EPD to be allowable only for this ESPCP. This review was site specific and was based on documentation submitted and certified by the Level-II Certified Design Professional and was required by the Georgia EPD and GSWCC.

The site has a total disturbed area of 2.32 acres.

SEDIMENT STORAGE

The site has a total disturbed area of 2.32 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.

Area	Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd^3)	Total Storage Volume Provided (yd^3)	Temporary Sediment Basins		Check Dam (# yd^3/each)		Inlet Sediment Traps		Silt Gates (# yd^3/each)		Silt (0.3
						Basin #	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	Length of Fence (ft)
1	Outfall 1	0.40	0.11	26.8	124.8						0			416
2	Outfall 2	0.12	0.04	8.0	0.0						0			
3	Outfall 3	0.89	0.32	59.6	64.4					1	0.2			214
4	Outfall 4	1.16	0.10	77.7	95.3					1	0.2			317
5	Outfall 5	0.52	0.08	34.8	35.4						0			118
6	Outfall 6	0.26	0.08	17.4	50.7						0			169
7	Outfall 7	0.46	0.11	30.8	63.8					1	0.2			212
8	Outfall 8	0.11	0.02	7.4	21.9						0			73
9	Outfall 9	1.14	0.16	76.4	80.6					1	0.2			268
10	Outfall 10	0.37	0.10	24.8	57.2					1	0.2			190
11	Outfall 11	13.29	0.23	890.4	119.3					1	0.2			397
12	Outfall 12	1.17	0.08	78.4	19.1					1	0.2			63
13	Outfall 13	5.19	0.11	347.7	25.4					1	0.2			84
14	Outfall 14	3.05	0.19	204.4	140.0					1	0.2			466
15	Outfall 15	0.44	0.01	29.5	67.1					1	0.2			223
16	Outfall 16	0.69	0.35	46.2	27.5					1	0.2			91
	Total Sheet Flow	0.23	0.23	15.4	0.0						0			

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 maximum amount of BMPs per the Manual have been installed in an attempt to meet the 67 cy of storage per acre drained and the installed BMPs should be sufficient to control erosion and prevent sedimentation from the project.

Outfall 1
A Sediment Basin is not provided at this outfall. Sediment storage for the drainage area can be provided with BMPs.

Outfall 2
A Sediment Basin is not provided at this outfall. Sediment storage for area cannot be provided with BMPs. The drainage area is a driveway shoulder along a very crowded cooridor, so there is no room for additi

Outfall 3
A Sediment Basin is not provided at this outfall. Sediment storage for the drainage area can be provided with BMPs.

Outfall 4
A Sediment Basin is not provided at this outfall. Sediment storage for area can be provided with BMPs.

Outfall 5
A Sediment Basin is not provided at this outfall. Sediment storage for the drainage area can be provided with BMPs.

Outfall 6
A Sediment Basin is not provided at this outfall. Sediment storage for area can be provided with BMPs.

Outfall 7
A Sediment Basin is not provided at this outfall. Sediment storage for the drainage area can be provided with BMPs.

Outfall 8
A Sediment Basin is not provided at this outfall. Sediment storage for area can be provided with BMPs.

Outfall 9
A Sediment Basin is not provided at this outfall. Sediment storage for the drainage area can be provided with BMPs.

Outfall 10
A Sediment Basin is not provided at this outfall. Sediment storage for area can be provided with BMPs.

Outfall 11
A Sediment Basin is not provided at this outfall. Most of this area is off-site. Sediment storage for the entire area cannot be provided with BMPs. Sediment storage for the disturbed area can be provided with BMPs. The drainage area is roadway and shoulder with nearby parking lots along a very crowded cooridor, so there is no room for additional BMPs.

Outfall 12
A Sediment Basin is not provided at this outfall. Most of this area is o Sediment storage for the entire area cannot be provided with BMPs. S storage for the disturbed area can be provided with BMPs.

Outfall 13
A Sediment Basin is not provided at this outfall. Most of this area is off-site. Sediment storage for the entire area cannot be provided with BMPs. Sediment storage for the disturbed area can be provided with BMPs. The drainage area is roadway and shoulder with nearby parking lots along a very crowded cooridor, so there is no room for additional BMPs.

Outfall 14
A Sediment Basin is not provided at this outfall. Most of this area is o Sediment storage for the entire area cannot be provided with BMPs. S storage for the disturbed area can be provided with BMPs. This systen into an existing system and there are no opportunities to construct a se The drainage area is roadway and shoulder along a very crowded coori is no room for additional BMPs.

Outfall 15
A Sediment Basin is not provided at this outfall. Sediment storage for the drainage area can be provided with BMPs.

Outfall 16
A Sediment Basin is not provided at this outfall. This system outfalls i existing system and there are no opportunities to construct a sediment b Required sediment storage cannot be provided with BMPs. The drainı roadway and shoulder along a very crowded cooridor, so there is no ro

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

The following is a summary of project outfalls within 1 mile and within the watershed of an identified impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

Outfall ID # and Location (Station and Offset)	Reach Name	Location of the Impaired Stream Segment as Indicated in the 305b/303d List	Criteria Violated (Bio F or Bio M)	Potential Cause (NP or UR)	Category (4a, 4b, or 5)	Numeric waste load allocation (WLA) for sediment*
Outfall 1 101+24, 50' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 2 106+16, 81' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 3 110+91, 29' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 4 116+04, 67' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 5 119+22, 66' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 6 122+03, 63' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 7 122+78, 51' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 8 126+36, 107' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 9 126+60, 114' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 10 130+27, 27' LT	Unnamed Trib. to Nancy Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	170 tons/year
The TMDL for Nancy Creek basin was completed in 2008. The infrastructure construction project WLA for sediment is 170 tons/year.						
Outfall 11 136+51, 83' LT	Long Island Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	N/A
The TMDL for Long Island Creek basin was completed in 2008 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit.						
Outfall 12 143+35, 33' LT	Long Island Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	N/A
The TMDL for Long Island Creek basin was completed in 2008 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit.						
Outfall 13 146+49, 26' LT	Long Island Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	N/A
The TMDL for Long Island Creek basin was completed in 2008 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit.						
Outfall 14 152+06, 26' LT	Long Island Creek	Headwaters to Peachtree Creek	Bio F	UR	4a	N/A
The TMDL for Long Island Creek basin was completed in 2008 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit.						
Outfall 15 165+01, 27' LT	Long Island Creek	Headwaters to Chattahoochee River	Bio F	UR	4a	N/A
The TMDL for Long Island Creek basin was completed in 2008 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit.						
Outfall 16 182+08, 28.76'	Long Island Creek	Headwaters to Chattahoochee River	Bio F	UR	4a	N/A
The TMDL for Long Island Creek basin was completed in 2008 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit.						

1. A large sign (minimum 4 feet x 8 feet) must be on the site on the actual start date of construction visible from a public roadway identifying the construction site, the permittee(s), and the contact person(s) and telephone number(s) until a NOT has been submitted.
2. Use flocculants or coagulant and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with Part III. D.1. of the NPDES Permit.
3. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Part IV.D.6.d. of the NPDES Permits.
4. Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned is less. All calculations must be included on the plan.

STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point 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.

INSPECTIONS AND REPORTING

As the primary permittee, the Department must retain the design professional who prepared the ESPCP, 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 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 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 2 business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 7 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 and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

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.

The Department will complete requirements of inspections and record keeping in accordance with Part IV.D4.a of the General Permit GAR 100002.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

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.

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REVISION DATES		
11/01/2018		
02/05/2019		

ESPCP GENERAL NOTES
CDBG ROSWELL ROAD SIDEWALKS

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DRAWING No. 51-0003

SAMPLING LOCATIONS AND 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 3.27 acres.											Representative Sampling Scheme				
SAMPLING INFORMATION											OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	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)	Soil Erosion Index	Represented Outfall Drainage Basins
10	130+27, 27' LT	Unnamed Trib. to Nancy Creek	All	Outfall	0.4	N/A	Warm	75	N/A	End of Curb and Gutter	Shoulder/Sidewalk	0.10	N/A	7.7	2,4-5,10
13	146+49, 26' LT	Long Island Creek	All	Outfall	2.3	N/A	Warm	75	N/A	Drop Inlet	Shoulder/Sidewalk	0.11	N/A	7.7	1,3,6-9,11-15

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

The Department will complete requirements of sampling frequency and report sampling results in accordance with Part IV.D.6.d and Part IV.E. of the General Permit GAR 100002.

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REVISION DATES
11/01/2018

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CDBG ROSWELL ROAD SIDEWALKS

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DRAWING No. 51-0004

APPENDIX 1

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

The four items chosen must be appropriate for the site conditions.

Plan Page #	Included Y/N	
		a. During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
		b. Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.
		c. Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
51-0003	Y	d. A large sign (minimum 4 feet x 8 feet) must posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) the construction site, (2) the permittee(s), (3) the contact person(s) along with their telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed. The permittee-hosted website where Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted. *
51-0003	Y	e. Use flocculants or coagulant and/or mulch to stabilize all areas left disturbed for more than seven (7) calendar days in accordance with Part III. D.1. of the NPDES Permit. *
51-0003	Y	f. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Part IV.D.6.d. of the NPDES Permits.
		g. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
		h. Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the plan.
51-0003	Y	i. Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned is less. All calculations must be included on the plan.
		j. Use "Dirt II" techniques available on the EPD website, to model and manage all construction stormwater runoff (including sheet flow). All calculations must be included on the Plan. *
		k. Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
		l. Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
		m. Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event. *
		n. Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within all construction storm-water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins. *
		o. Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
		p. Conduct soil tests to identify and to implement site-specific fertilizer needs.
		q. Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3).(a) – (c) of the NPDES permit. *
		r. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
		s. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov) *
		t. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the plan.
		u. Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the Design Professional who prepared the Plan in accordance with Part IV.A.5. of the NPDES permit. *
		v. Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual. *

Effective August 1, 2018

* This item is consistent with Part III.C.2. of the General NPDES GAR100002 permit effective August 1, 2018.

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REVISION DATES

ESPCP GENERAL NOTES
CDBG ROSWELL ROAD SIDEWALKS

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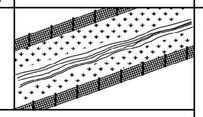
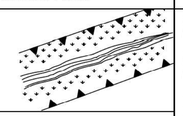
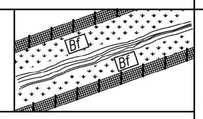
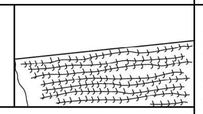
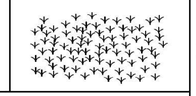
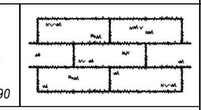
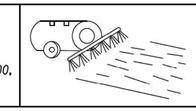
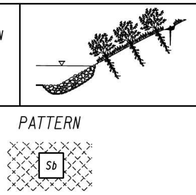
VERIFIED:		DATE:	

DRAWING No. 51-0005

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
ESA	ORANGE BARRIER FENCE LINE CODE 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.
ESA	ENVIRONMENTALLY SENSITIVE AREA LINE CODE ESA-25'(OR 50')STREAM BUFFER, ETC.		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.
Bf	BUFFER ZONE SYMBOL Bf		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.
Ds1	MULCH SECTION 163 SYMBOL Ds1		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.
Ds2	TEMPORARY GRASSING SECTION 163, 700 SYMBOL Ds2		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.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700 SYMBOL Ds3		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.
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890 PATTERN Ds4		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.
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895 SYMBOL Fl-Co POLYACRYLAMIDE		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.
Sb	STREAMBANK STABILIZATION SECTION 702 PATTERN Sb		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.

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 1 OF 7

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

DRAWING No. 52-0001

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

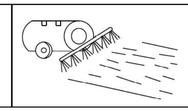
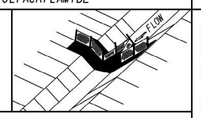
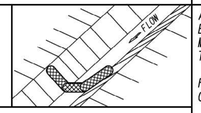
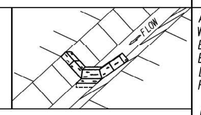
SANDY SPRINGS GEORGIA

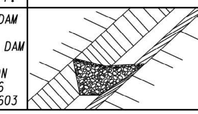
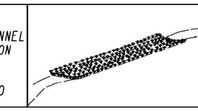
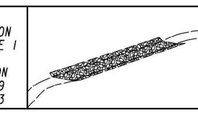
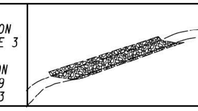
REVISION DATES

EROSION CONTROL LEGEND
ROSWELL ROAD STREETSCAPE
FROM LONG ISLAND DR TO GLENRIDGE DR

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0001

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 CONSTRUCTION DETAIL D-56 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-1	VEGETATED CHANNEL STABILIZATION SECTION 700 LINE CODE: Ch-1		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-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603 LINE CODE: Ch-2R1		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 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
11/28/2018

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

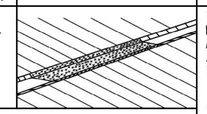
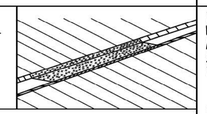
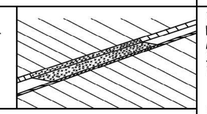
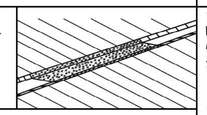
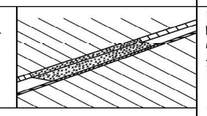
7/31/2015 GPLN

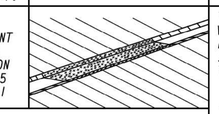
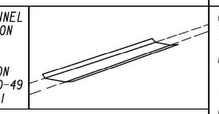
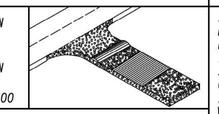
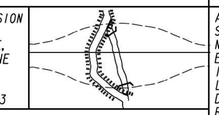
REVISION DATES

EROSION CONTROL LEGEND
ROSWELL ROAD STREETSCAPE
FROM LONG ISLAND DR TO GLENRIDGE DR

CHECKED:		DATE:	
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 Ch-2T1		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 Ch-2T2		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 Ch-2T3		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 Ch-2T4		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 Ch-2T5		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 Ch-2T6		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 Ch-3		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 Co		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 —D——D——D—Dc-A—D——D——D—		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 Sdl-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".

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

Michael Baker INTERNATIONAL
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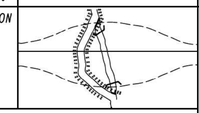
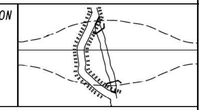
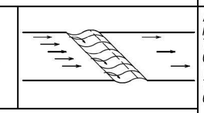
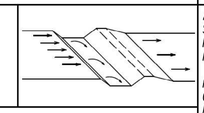
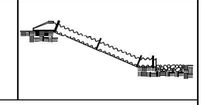
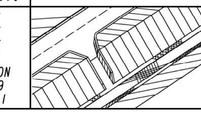
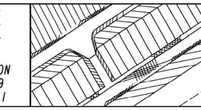
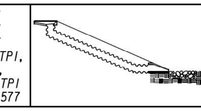
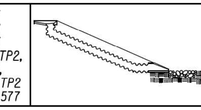
SANDY SPRINGS GEORGIA

REVISION DATES

EROSION CONTROL LEGEND
ROSWELL ROAD STREETSCAPE
FROM LONG ISLAND DR TO GLENRIDGE DR

CHECKED: DATE:
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 LINE CODE —D—D—D—(Dc-B)—D—D—D—		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.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163 LINE CODE —D—D—D—(Dc-C)—D—D—D—		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.
Dl-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205 LINE CODE (Dl-1)		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.
Dl-2	DIVERSION CHANNEL SECTION 205 LINE CODE (Dl-2)		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.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163 LINE CODE —T—T—T—(Dn1)—T—T—T—		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.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441 LINE CODE (Dn2-A)		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).
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441 LINE CODE (Dn2-B)		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).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577 LINE CODE (Dn2-1)		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).
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577 LINE CODE (Dn2-2)		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).

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 4 OF 7

CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.
BACKCHECKED:		DATE:	52-0004
CORRECTED:		DATE:	
VERIFIED:		DATE:	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
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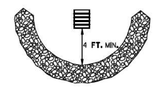
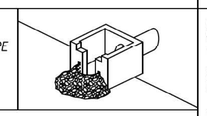
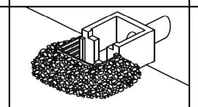
SANDY SPRINGS GEORGIA

REVISION DATES

EROSION CONTROL LEGEND
ROSWELL ROAD STREETSCAPE
FROM LONG ISLAND DR TO GLENRIDGE DR

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	52-0004
CORRECTED:		DATE:	
VERIFIED:		DATE:	

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: —Rd-B—		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: Rp		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 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-MS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171 LINE CODE: —A——A——A—Sdl-MS—A——A——A—		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: —C——C——C—Sdl-S—C——C——C—		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".

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

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SANDY SPRINGS GEORGIA

REVISION DATES

EROSION CONTROL LEGEND
ROSWELL ROAD STREETSCAPE
FROM LONG ISLAND DR TO GLENRIDGE DR

CHECKED: DATE:
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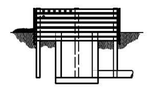
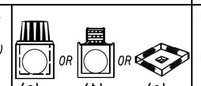
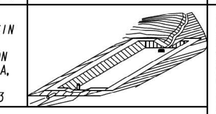
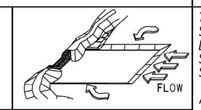
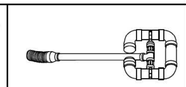
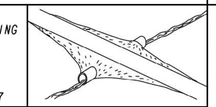
DRAWING No. 52-0005

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201 LINE CODE * * * SW-BB * * *		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.
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163 SYMBOL Sd2-B		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.
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163 SYMBOL Sd2-Bg		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.
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163 SYMBOL Sd2-F		(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.
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163 SYMBOL Sd2-G		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.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163 SYMBOL Sd3		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.
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163 SYMBOL Sd4-C		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.
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163 SYMBOL Sk		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.
Sr	TEMPORARY STREAM CROSSING SECTION 107 SYMBOL Sr		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!

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
11/28/2018

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 6 OF 7

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

Michael Baker INTERNATIONAL
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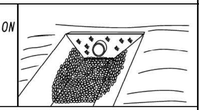
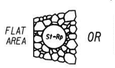
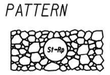
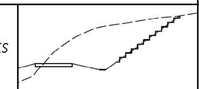
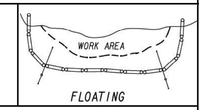
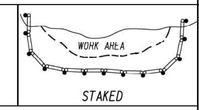
SANDY SPRINGS GEORGIA

REVISION DATES

EROSION CONTROL LEGEND
ROSWELL ROAD STREETSCAPE
FROM LONG ISLAND DR TO GLENRIDGE DR

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:
DRAWING No. 52-0006

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  OR  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".

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 7 OF 7

CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.
BACKCHECKED:		DATE:	52-0007
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GPLN

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SANDY SPRINGS GEORGIA

REVISION DATES

EROSION CONTROL LEGEND

ROSWELL ROAD STREETSCAPE
FROM LONG ISLAND DR TO GLENRIDGE DR

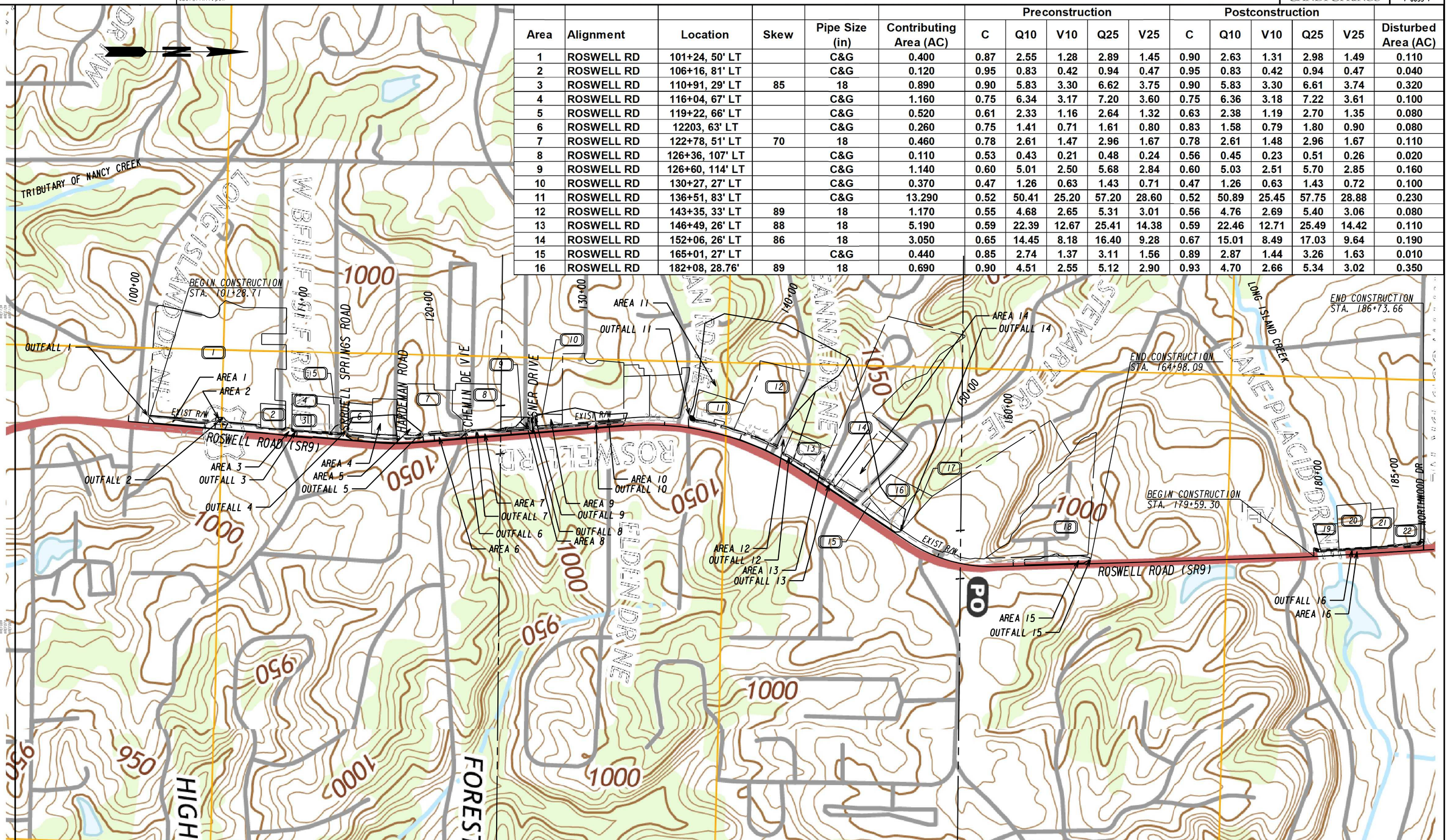
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	52-0007
CORRECTED:		DATE:	
VERIFIED:		DATE:	

17-SEP-2019 13:30 1:30:02 PM 150057-R1_53
Kimberley.Baker GDOT_11x17.pen
R:\150057\Roswell\Dgn\150057-R1_53.dgn

CITY OF SANDY SPRINGS

P. I. No. T-0033-7

Area	Alignment	Location	Skew	Pipe Size (in)	Contributing Area (AC)	Preconstruction C	Preconstruction Q10	Preconstruction V10	Preconstruction Q25	Preconstruction V25	Postconstruction C	Postconstruction Q10	Postconstruction V10	Postconstruction Q25	Postconstruction V25	Disturbed Area (AC)
1	ROSWELL RD	101+24, 50' LT		C&G	0.400	0.87	2.55	1.28	2.89	1.45	0.90	2.63	1.31	2.98	1.49	0.110
2	ROSWELL RD	106+16, 81' LT		C&G	0.120	0.95	0.83	0.42	0.94	0.47	0.95	0.83	0.42	0.94	0.47	0.040
3	ROSWELL RD	110+91, 29' LT	85	18	0.890	0.90	5.83	3.30	6.62	3.75	0.90	5.83	3.30	6.61	3.74	0.320
4	ROSWELL RD	116+04, 67' LT		C&G	1.160	0.75	6.34	3.17	7.20	3.60	0.75	6.36	3.18	7.22	3.61	0.100
5	ROSWELL RD	119+22, 66' LT		C&G	0.520	0.61	2.33	1.16	2.64	1.32	0.63	2.38	1.19	2.70	1.35	0.080
6	ROSWELL RD	12203, 63' LT		C&G	0.260	0.75	1.41	0.71	1.61	0.80	0.83	1.58	0.79	1.80	0.90	0.080
7	ROSWELL RD	122+78, 51' LT	70	18	0.460	0.78	2.61	1.47	2.96	1.67	0.78	2.61	1.48	2.96	1.67	0.110
8	ROSWELL RD	126+36, 107' LT		C&G	0.110	0.53	0.43	0.21	0.48	0.24	0.56	0.45	0.23	0.51	0.26	0.020
9	ROSWELL RD	126+60, 114' LT		C&G	1.140	0.60	5.01	2.50	5.68	2.84	0.60	5.03	2.51	5.70	2.85	0.160
10	ROSWELL RD	130+27, 27' LT		C&G	0.370	0.47	1.26	0.63	1.43	0.71	0.47	1.26	0.63	1.43	0.72	0.100
11	ROSWELL RD	136+51, 83' LT		C&G	13.290	0.52	50.41	25.20	57.20	28.60	0.52	50.89	25.45	57.75	28.88	0.230
12	ROSWELL RD	143+35, 33' LT	89	18	1.170	0.55	4.68	2.65	5.31	3.01	0.56	4.76	2.69	5.40	3.06	0.080
13	ROSWELL RD	146+49, 26' LT	88	18	5.190	0.59	22.39	12.67	25.41	14.38	0.59	22.46	12.71	25.49	14.42	0.110
14	ROSWELL RD	152+06, 26' LT	86	18	3.050	0.65	14.45	8.18	16.40	9.28	0.67	15.01	8.49	17.03	9.64	0.190
15	ROSWELL RD	165+01, 27' LT		C&G	0.440	0.85	2.74	1.37	3.11	1.56	0.89	2.87	1.44	3.26	1.63	0.010
16	ROSWELL RD	182+08, 28.76'	89	18	0.690	0.90	4.51	2.55	5.12	2.90	0.93	4.70	2.66	5.34	3.02	0.350



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/6/19

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SANDY SPRINGS GEORGIA

SCALE IN FEET
0 150 300 600

REVISION DATES		
11/01/2018		

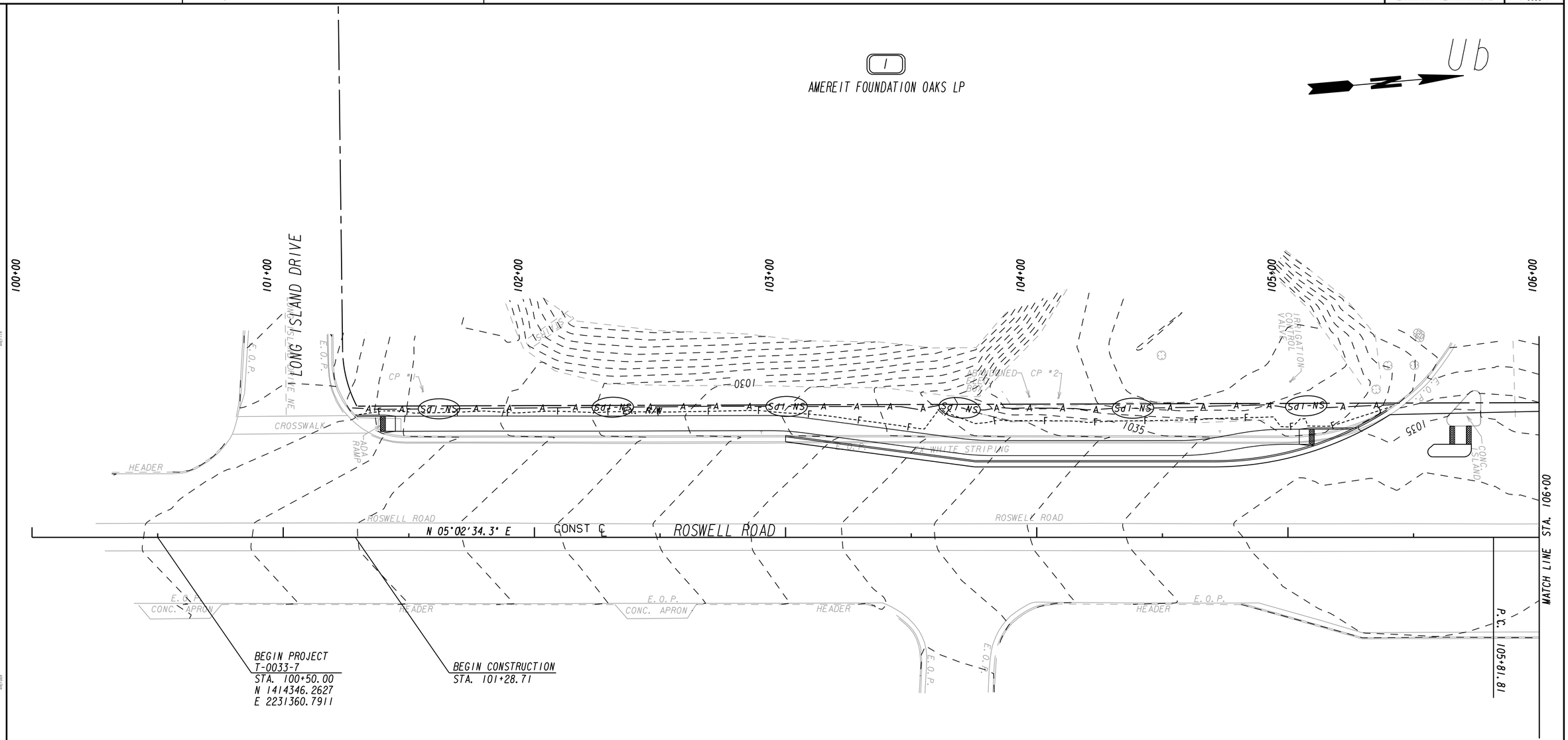
EROSION CONTROL DRAINAGE AREA MAP

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 53-0001

10/23/2015 GPLN



CP #1
STA. 101+55.75. 57.98' LT.
N 1414456.7000
E 2231312.3300
EL. 1027.400

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

CP #2
STA. 104+08.81. 55.41' LT.
N 1414708.5500
E 2231337.1400
EL. 1036.410

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

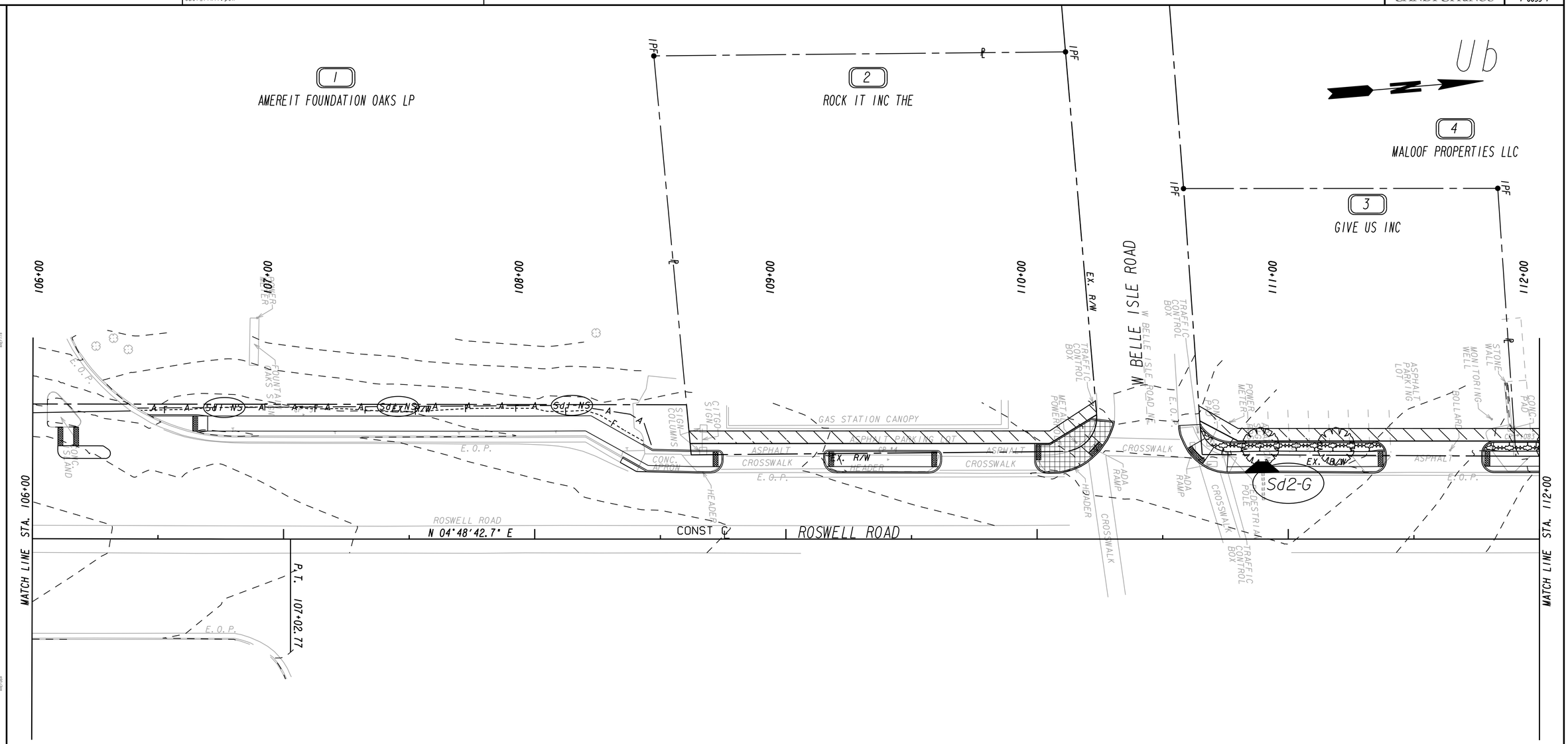
REVISION DATES

BMP LOCATION DETAILS
INITIAL STAGE
CDBG ROSWELL ROAD SIDEWALKS
BEGIN PROJECT TO STA. 106+00

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 54-0001

10/23/2015 GPLN



CP *3
STA. 107+08.12, 49.44' LT.
N 1415006.0026
E 2231369.1079
EL. 1034.336

CP *4
STA. 109+40.84, 31.59' LT.
N 1415236.4040
E 2231406.4202
EL. 1032.849

CP *5
STA. 111+04.82, 32.82' LT.
N 1415399.9153
E 2231418.9483
EL. 1031.397

CP *1083
STA. 111+97.61, 43.03' LT.
N 1415493.2279
E 2231416.5574
EL. 1034.386

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31171 KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

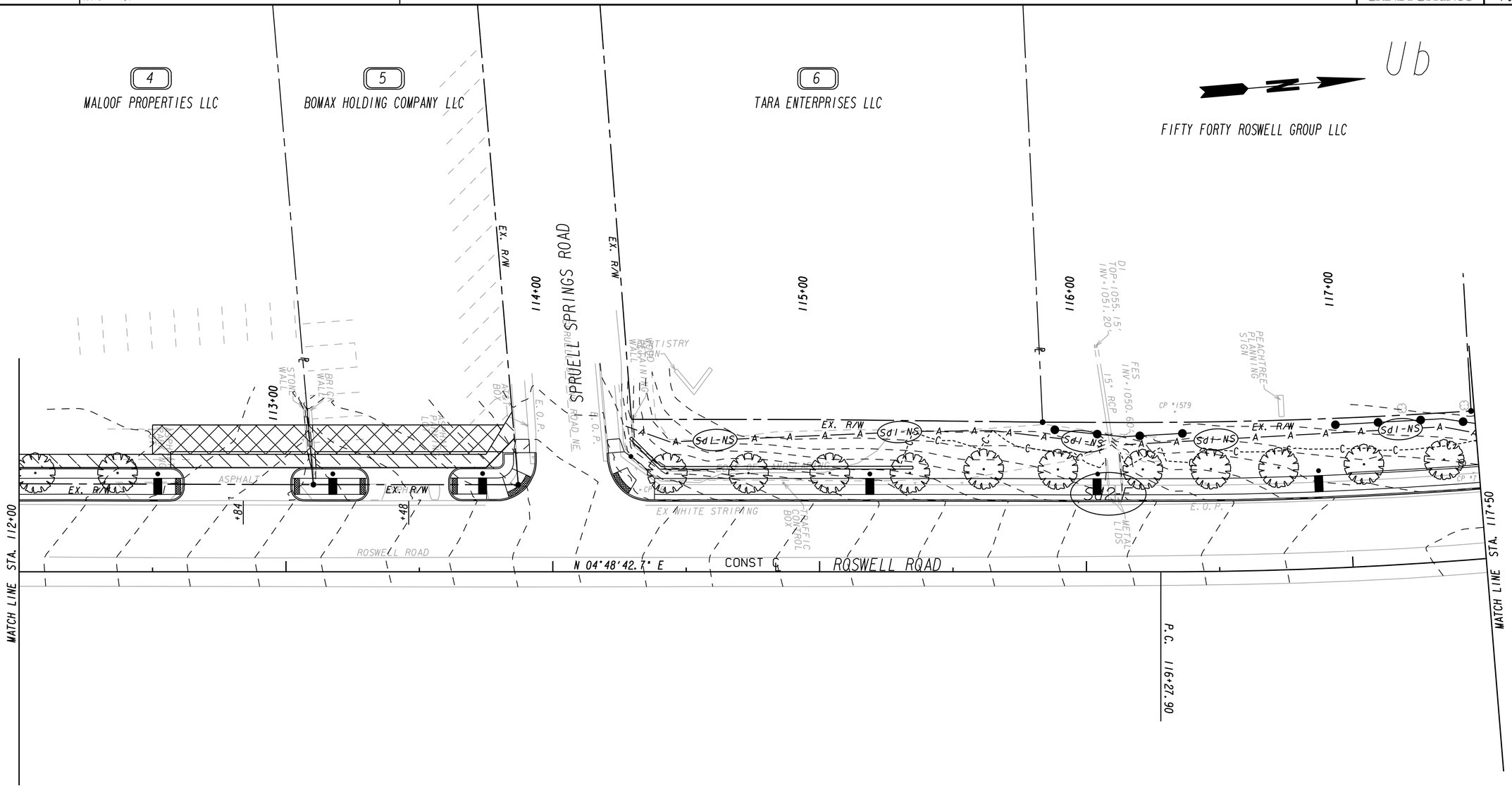
REVISION DATES

BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS
STA. 106+00 TO STA. 112+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0002



CP #6
STA. 114+33.04, 30.69' LT.
N 1415726.8018
E 2231448.6031
EL. 1043.952

CP #1579
STA. 116+33.65, 59.93' LT.
N 1415928.9251
E 2231436.2630
EL. 1056.732

CP #7
STA. 117+48.07
32.31' LT.
N 1416038.5424
E 2231468.5014
EL. 1054.189

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
11/01/2018		

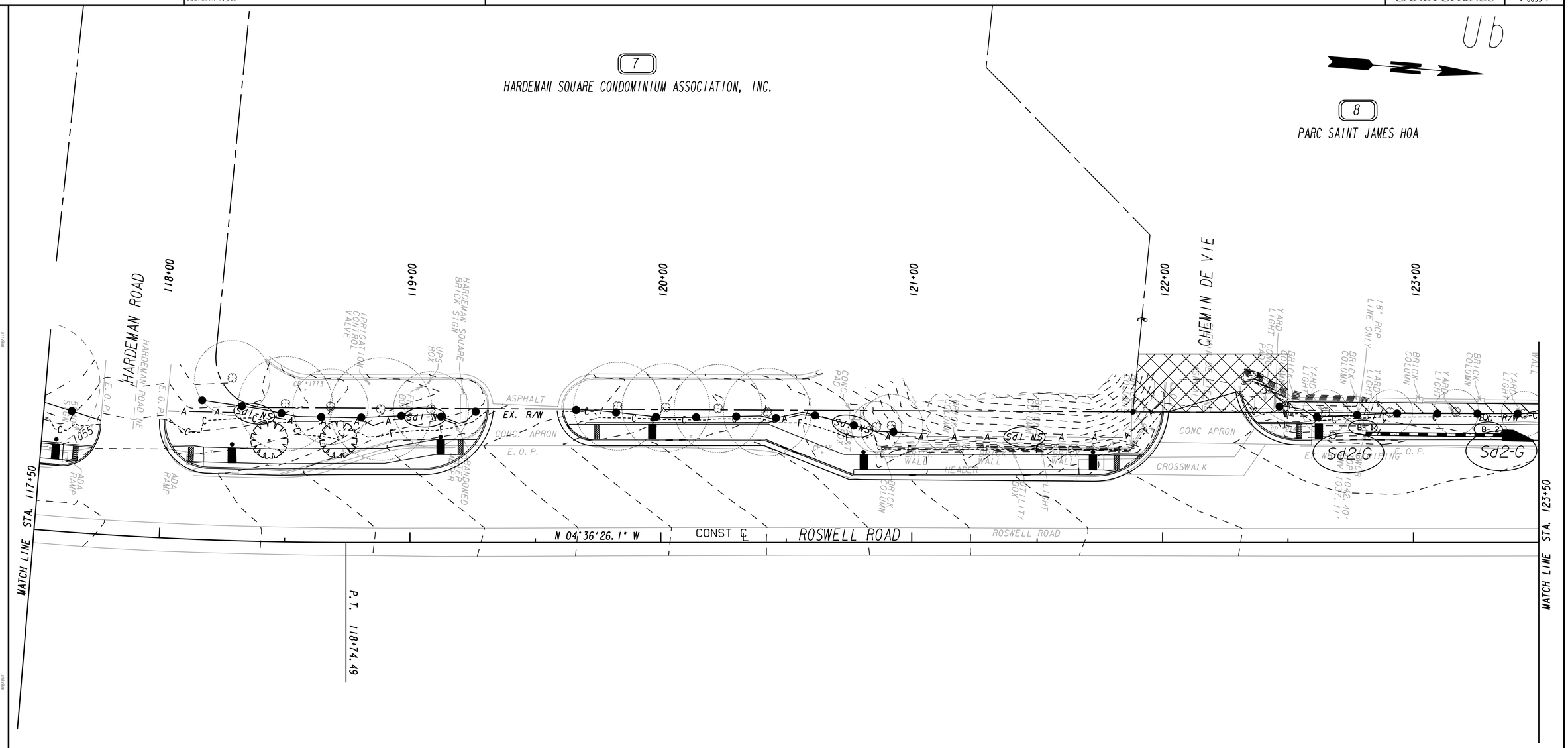
BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS
STA. 112+00 TO STA. 117+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0003

10/23/2015 GPLN



CP #1773
STA. 118+57.84, 60.69' LT.
N 1416143.9047
E 2231436.6745
EL. 1055.000

CP #8
STA. 120+64.59, 35.72' LT.
N 1416351.3271
E 2231445.0974
EL. 1047.235

CP #2147
STA. 122+43.59, 46.65' LT.
N 1416528.8667
E 2231419.8261
EL. 1042.865

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

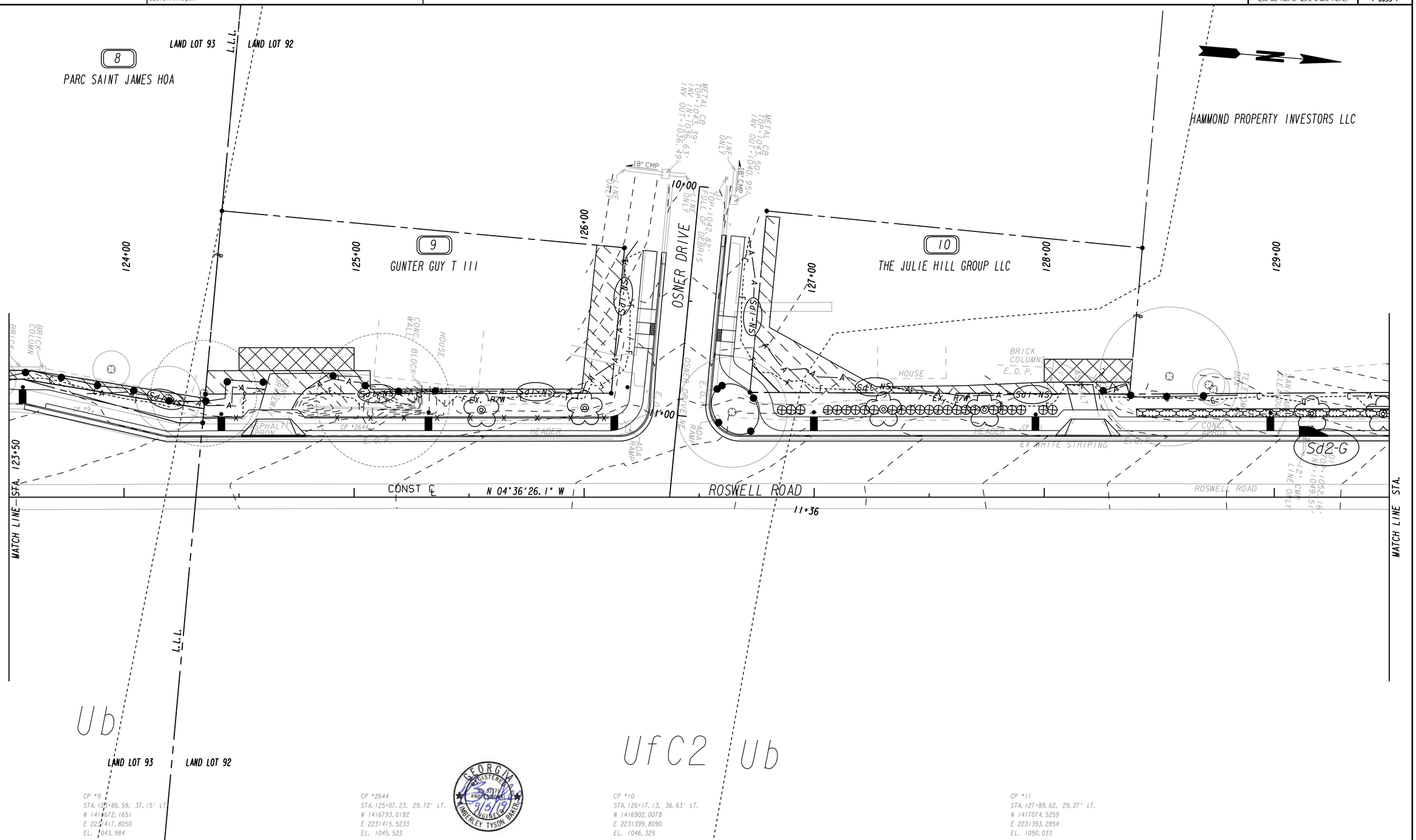
REVISION DATES
11/01/2018

BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS
STA. 117+50 TO STA. 123+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0004



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

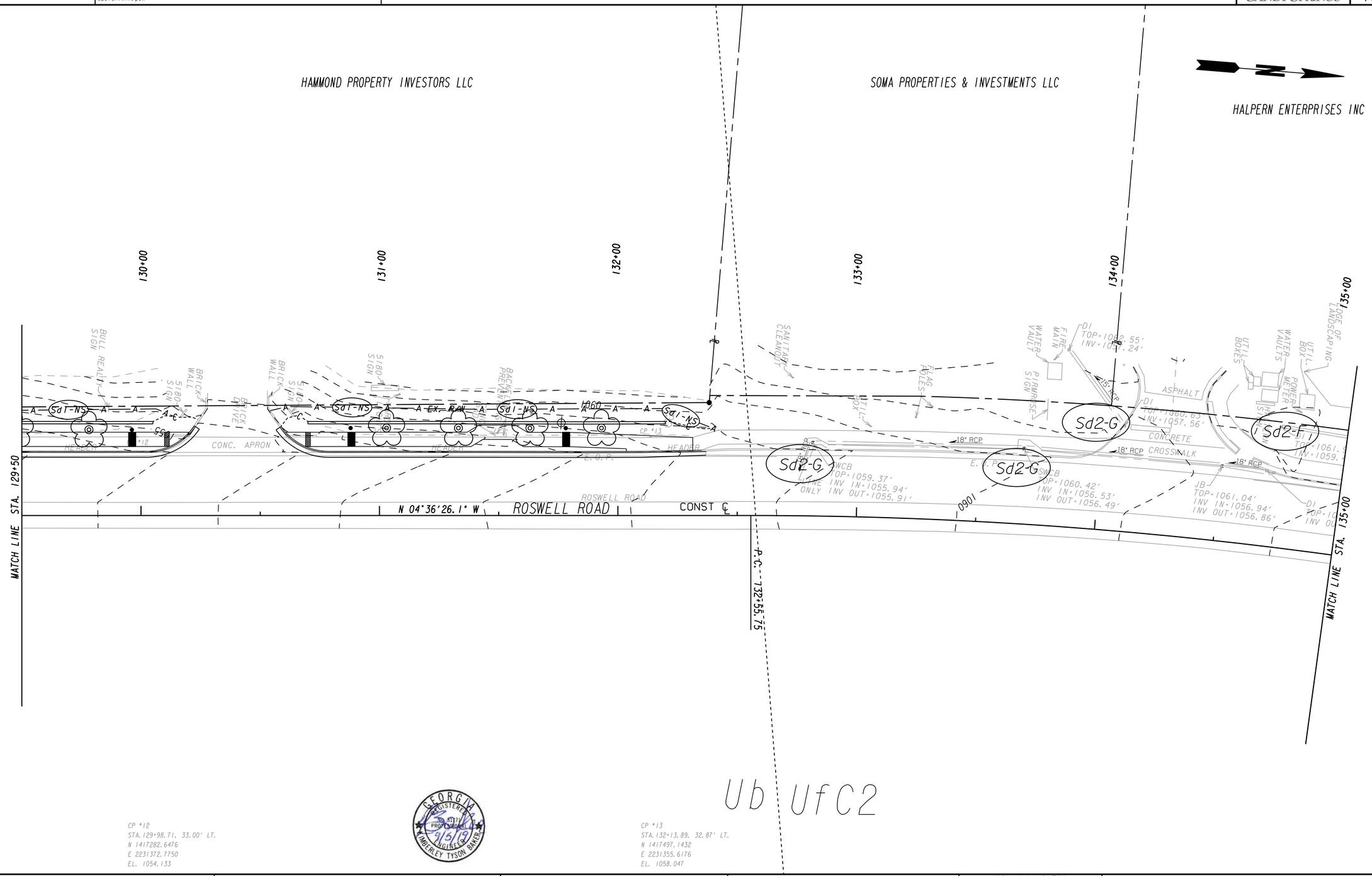
REVISION DATES		
11/01/2018		

BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS
STA. 123+50 TO STA. 129+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0005



CP #12
STA. 129+98.71, 33.00' LT.
N 1417282.6476
E 2231372.7750
EL. 1054.133

CP #13
STA. 132+13.89, 32.87' LT.
N 1417497.1432
E 2231355.6176
EL. 1058.047

GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES
11/01/2018

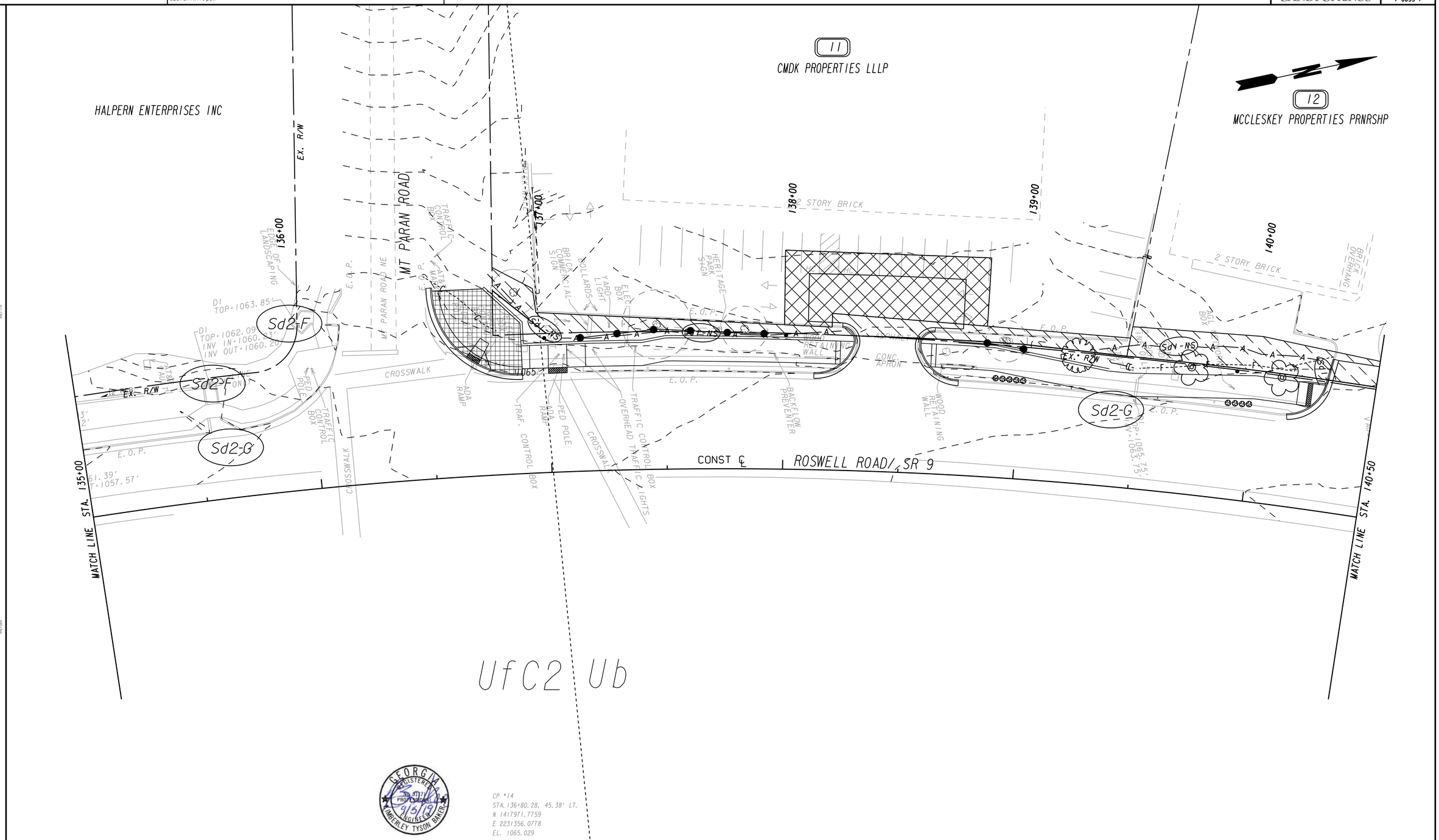
BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS
STA. 129+50 TO STA. 135+00

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0006

10/23/2015 GPLN



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

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

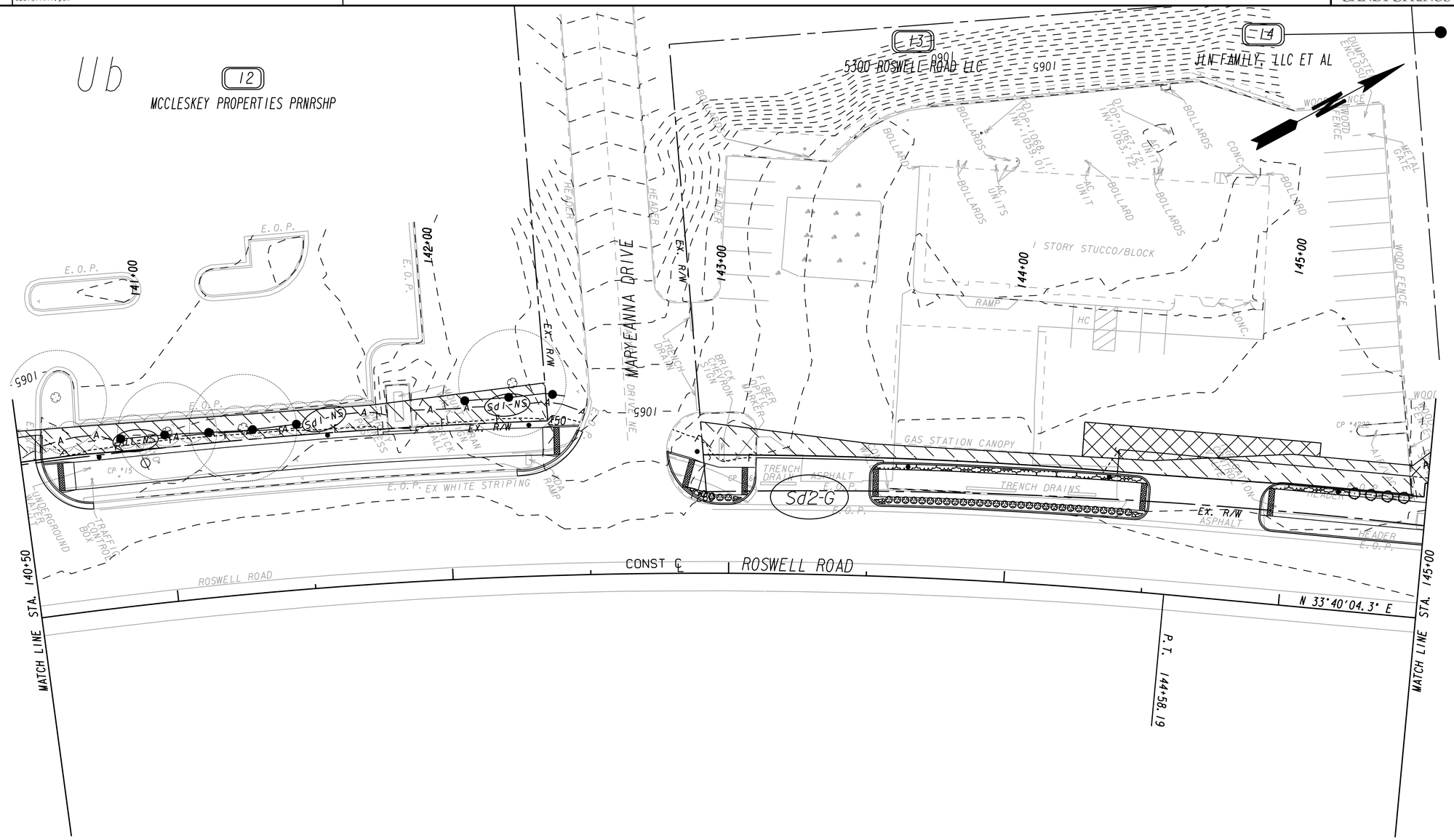
REVISION DATES		
11/01/2018		

BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS
STA. 135+00 TO STA. 140+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0007



CP *15
STA. 140+83.98, 47.47' LT.
N 1418370.8685
E 2231463.3296
EL. 1066.785

CP *16
STA. 143+05.97, 36.23' LT.
N 1418571.3246
E 2231570.4544
EL. 1067.363

CP *4222
STA. 145+20.59, 65.23' LT.
N 1418772.0619
E 2231661.4284
EL. 1067.566

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 37171 KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
11/01/2018		

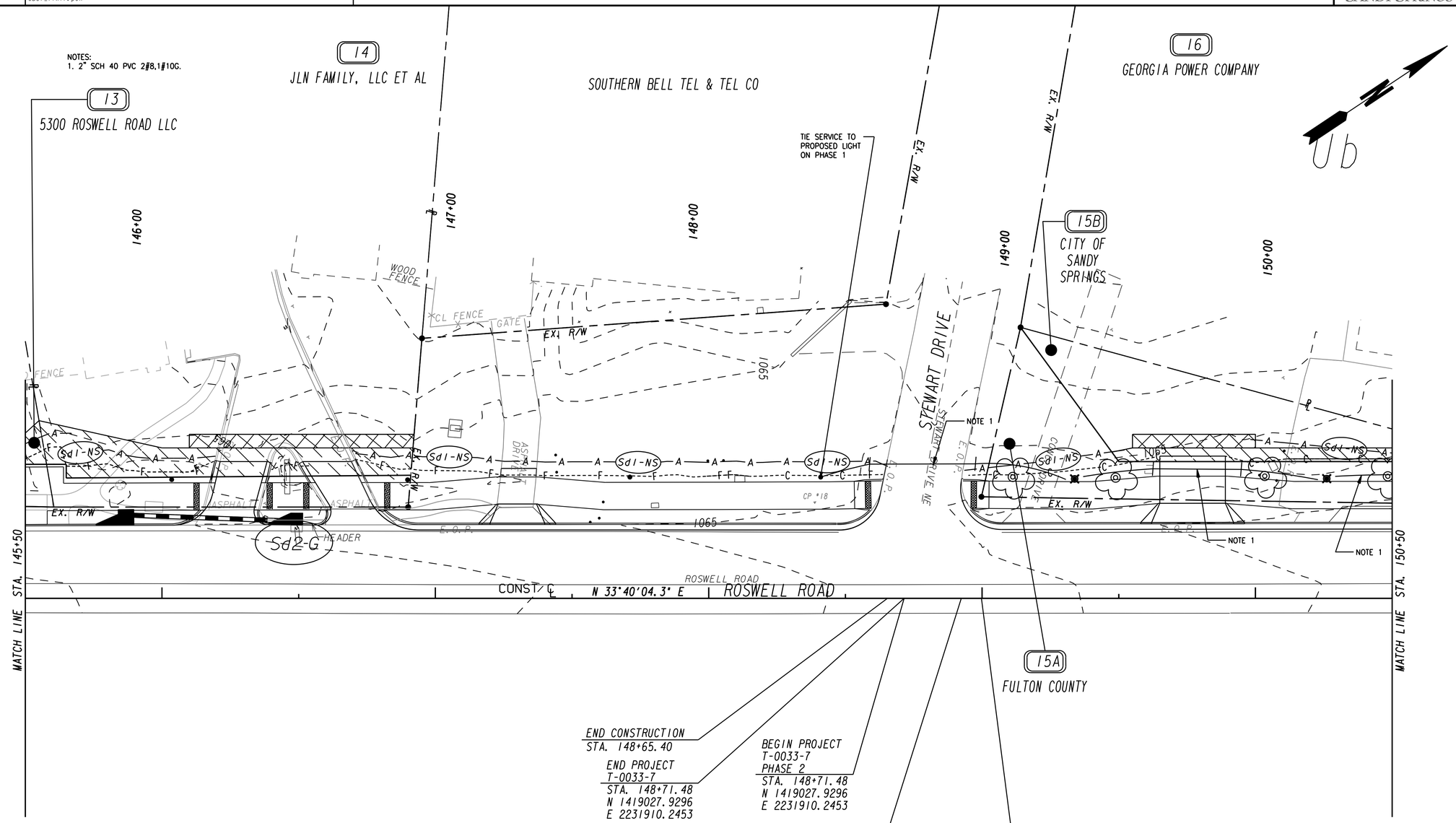
BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS
STA. 140+50 TO STA. 145+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0008

NOTES:
1. 2" SCH 40 PVC 2#8,1#10G.



GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES
11/01/2018

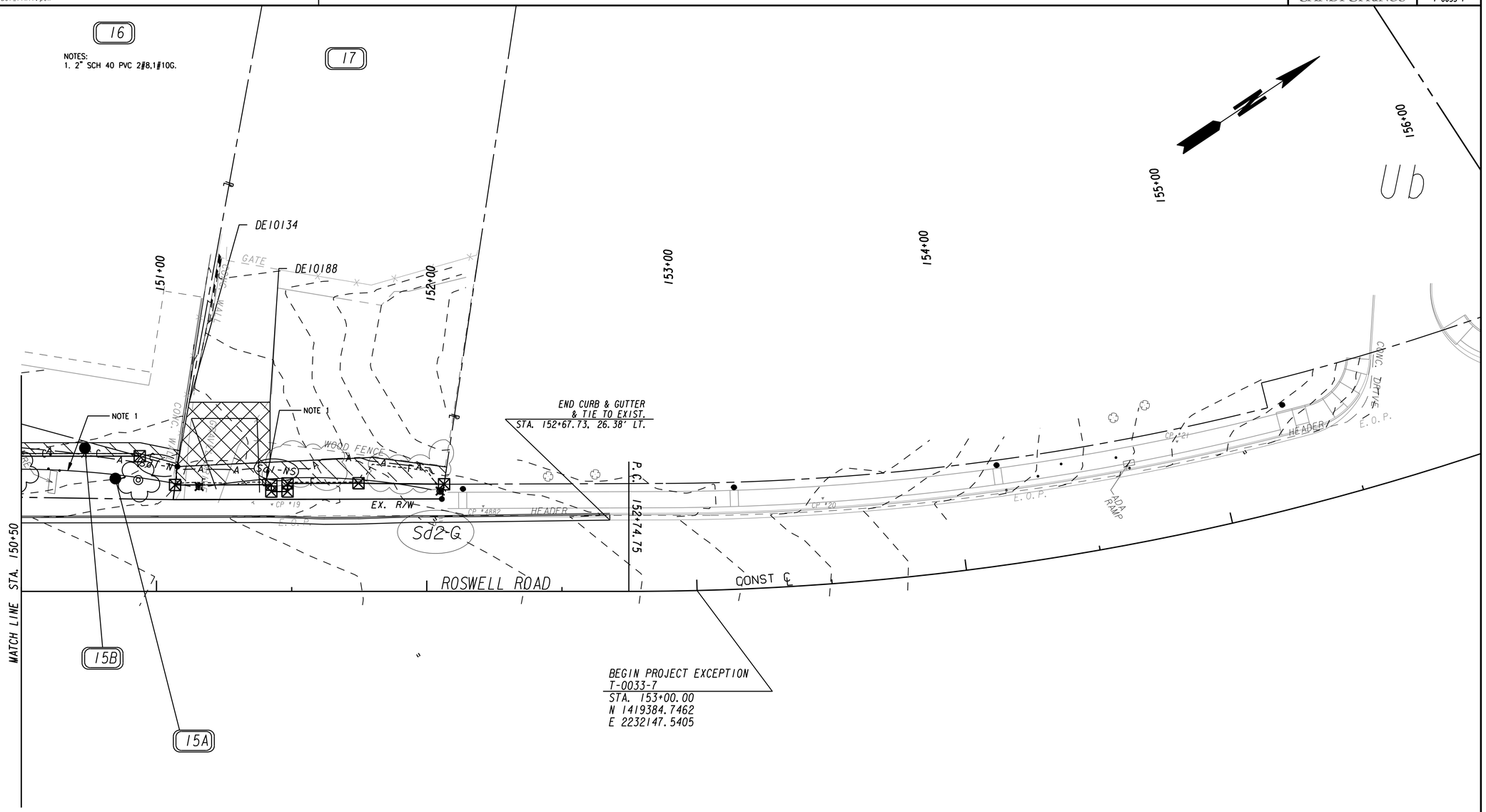
BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS & PHASE 2
STA. 145+50 TO STA. 150+50

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 54-0009

10/23/2015 GPLN



GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 31771 KIMBERLEY TYSON BAKER 9/5/19

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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
11/01/2018		

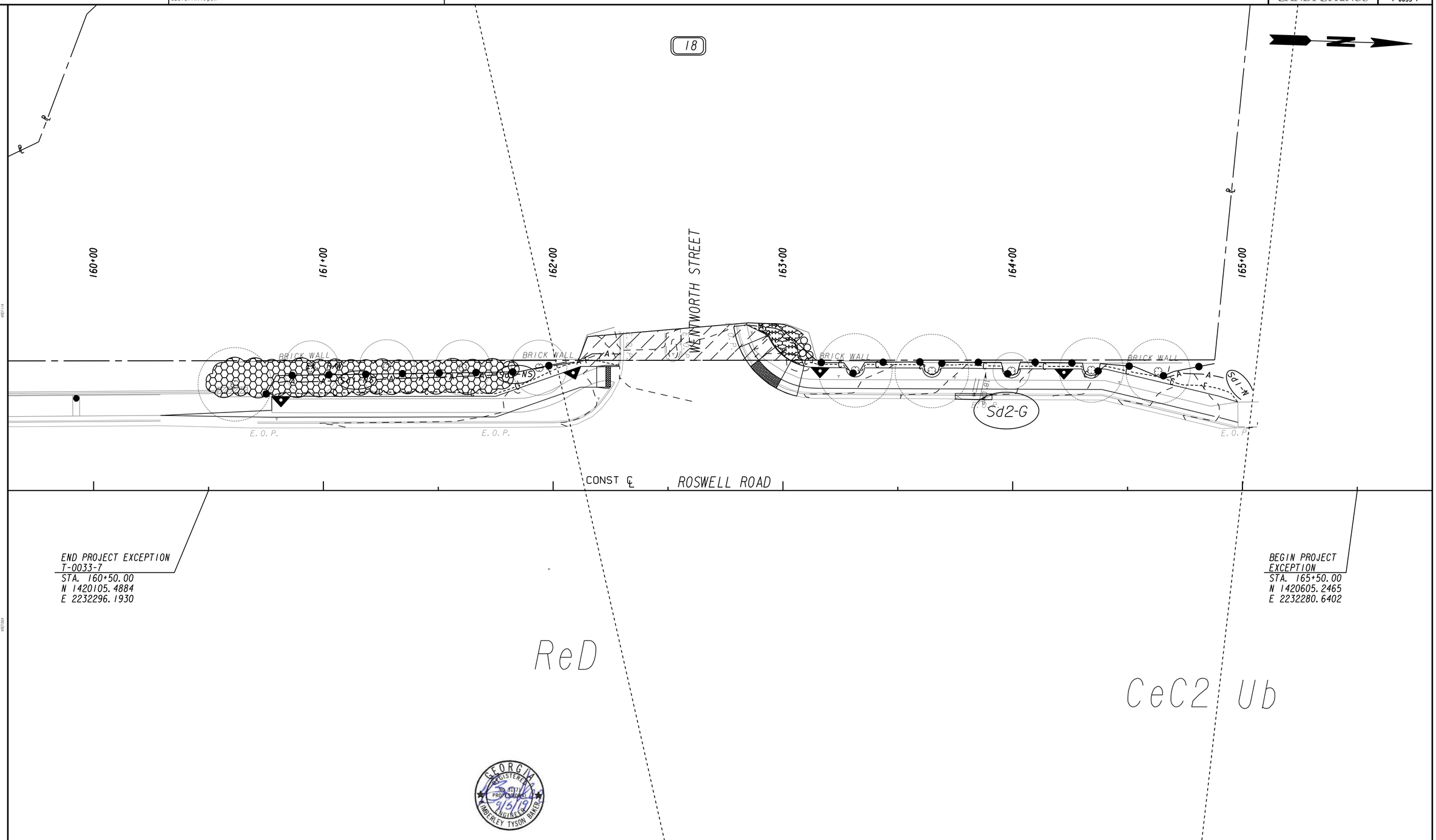
BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS PHASE 2
STA. 150+50 TO BEGIN EXCEPTION

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0010

10/23/2015 GPLN



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

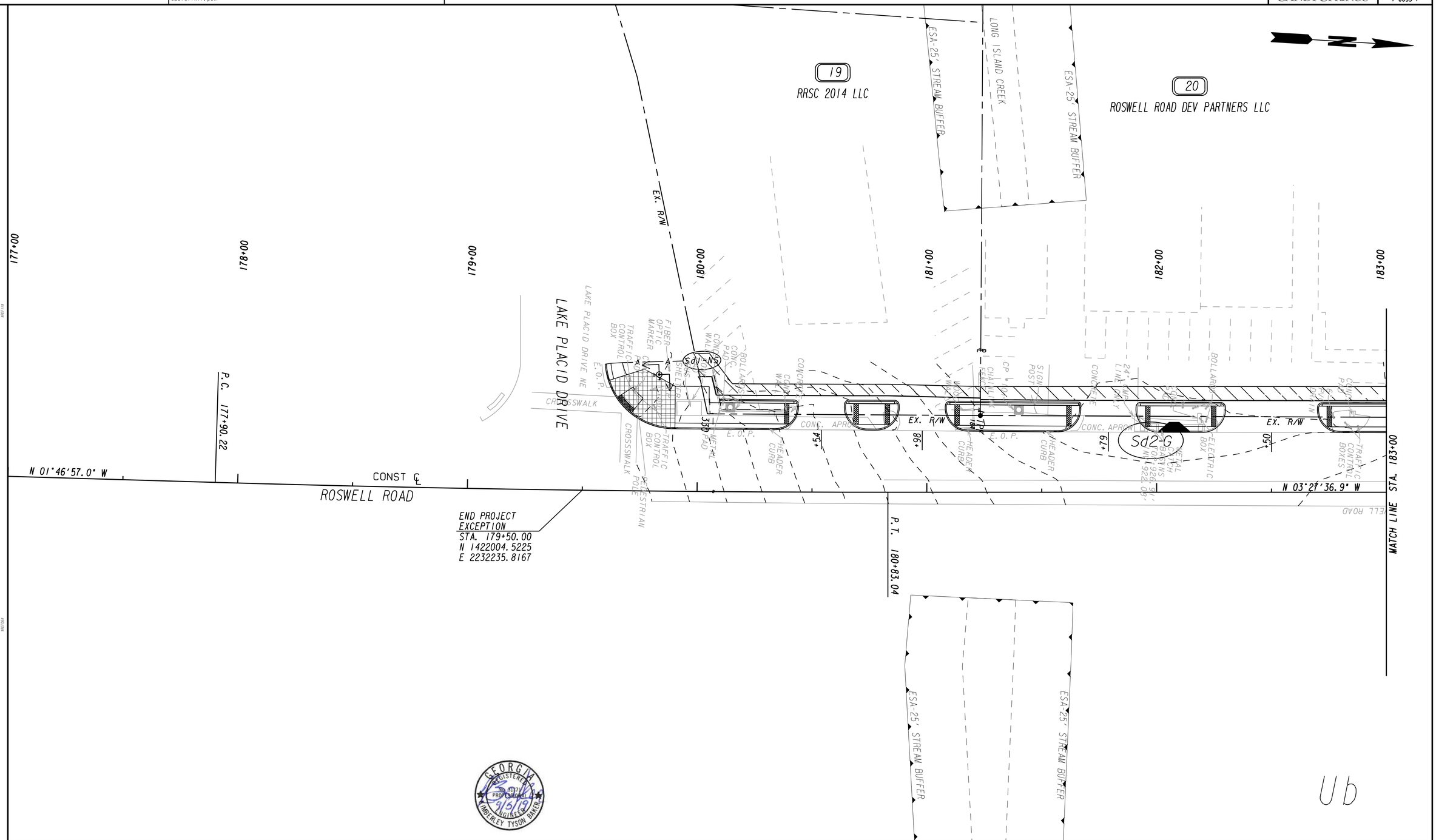
REVISION DATES

BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS PHASE 2
END EXCEPTION TO BEGIN EXCEPTION

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0011



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

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

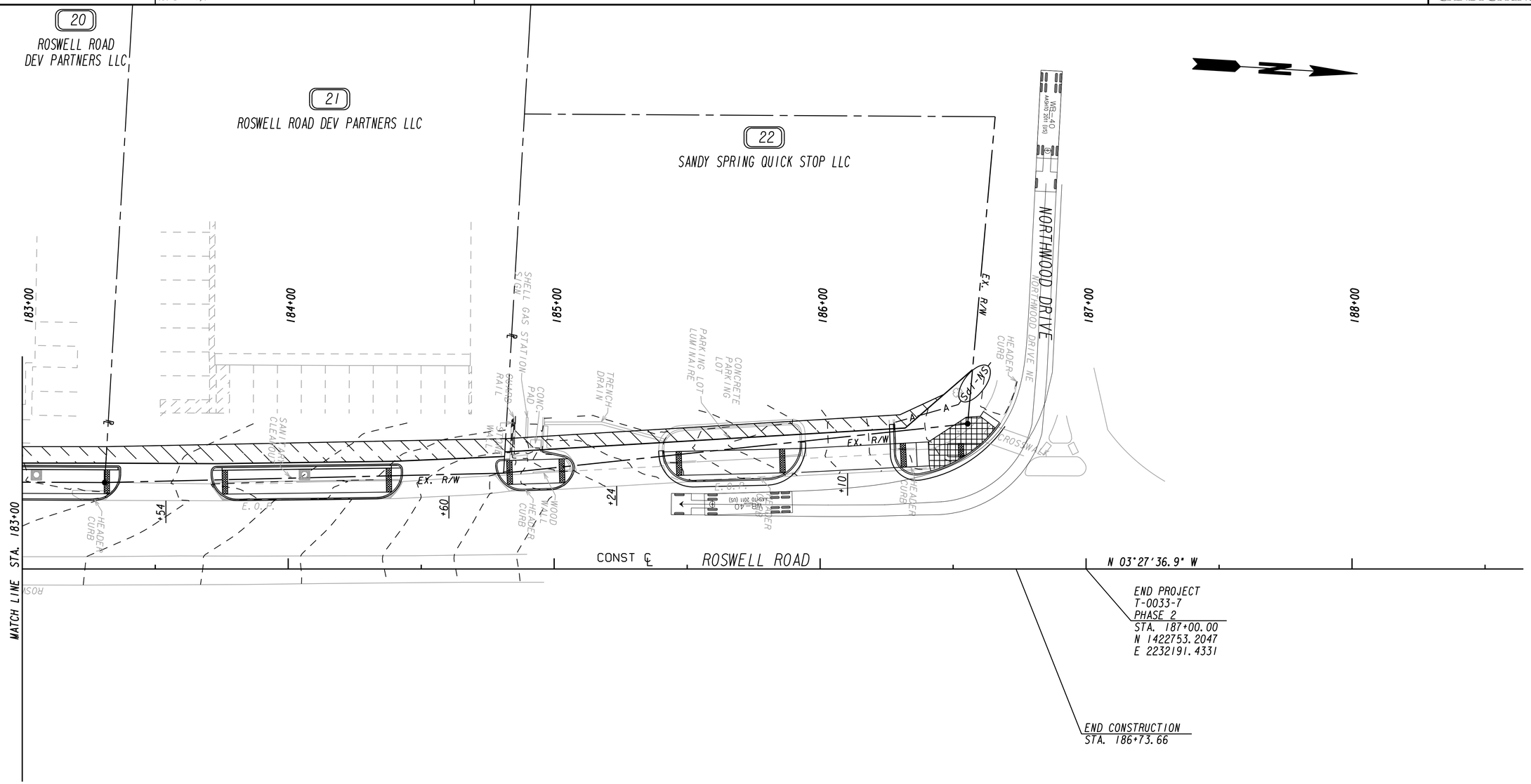
REVISION DATES		
11/01/2018		

BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS PHASE 2
END EXCEPTION TO STA. 183+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0012
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



Ub

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/5/19 KIMBERLEY TYSON BAKER

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

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
02/05/2019		

BMP LOCATION DETAILS

CDBG ROSWELL ROAD SIDEWALKS PHASE 2
STA. 183+00 TO END PROJECT

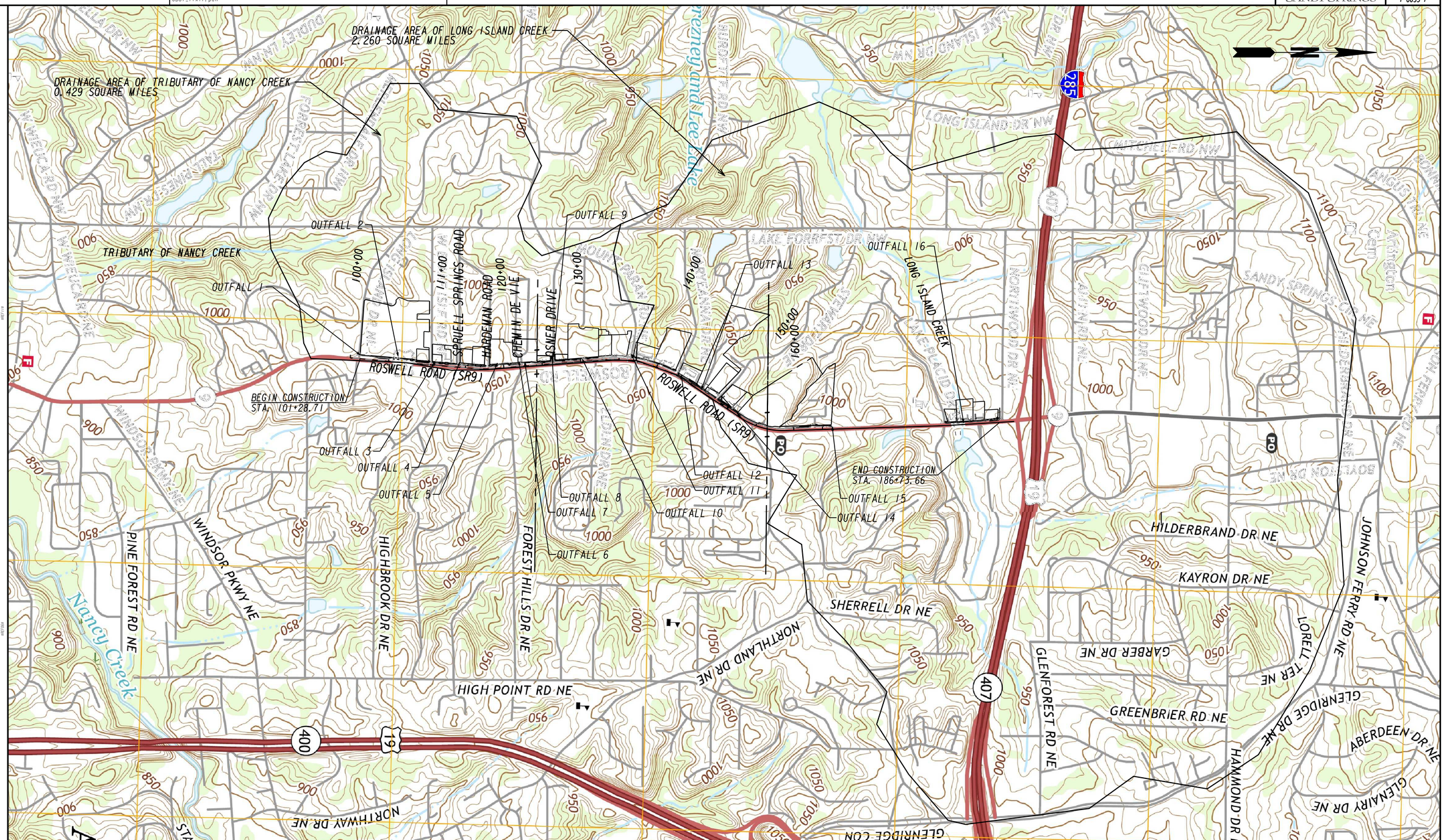
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 54-0013

17-SEP-2019 13:33 1:33:37 PM 150057-R1_55 R:\150057\Roswell\Dgn\150057-R1_55.dgn
Kimberley.Baker GDOT_11x17.pen

CITY OF SANDY SPRINGS

P.I. No. T-0033-7



GEORGIA REGISTERED PROFESSIONAL ENGINEER KIMBERLEY TYSON BAKER 9/5/19

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

SCALE IN FEET
0 600 1200 2400

REVISION DATES		
11/01/2018		

WATERSHED MAP SITE MONITORING PLAN

CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 55-0001

10/23/2015 GPLN

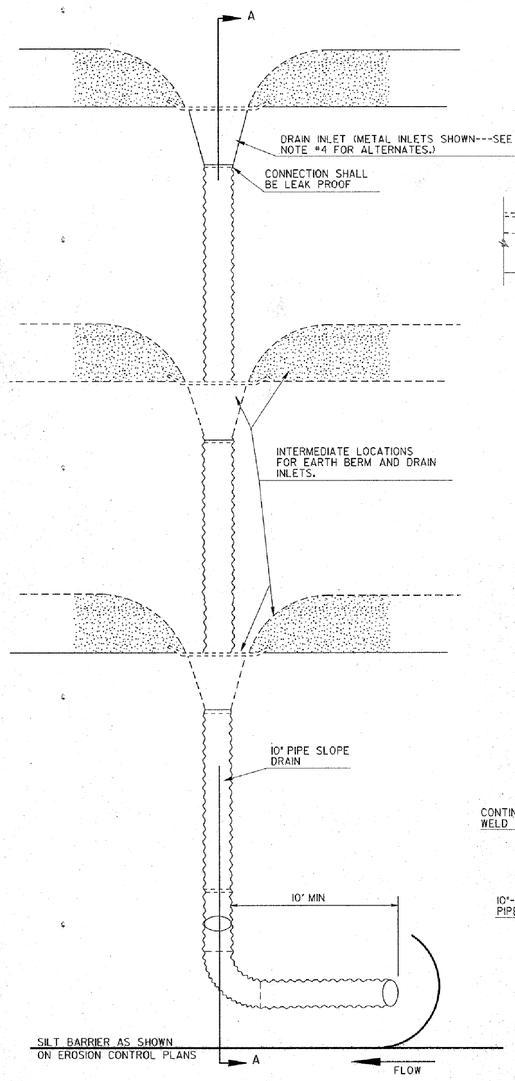
CITY OF SANDY SPRINGS

P. I. No. T-0033-7

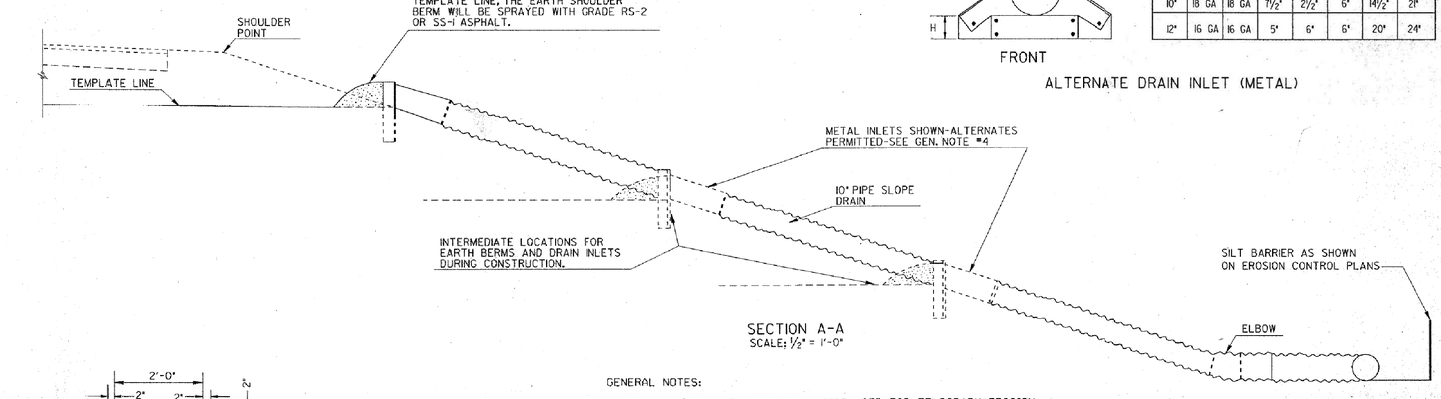
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

USES:

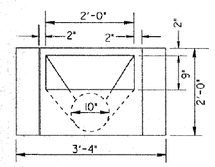
TEMPORARY PIPE SLOPE DRAIN IS USED TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TYPICAL SPACING SHALL BE AT INTERVALS OF 500 FEET ON DIAMETER TO 2% GRADES, 200 FEET ON STEEPER GRADES, AND MORE FREQUENTLY AS DICTATED BY EXISTING FIELD CONDITIONS.



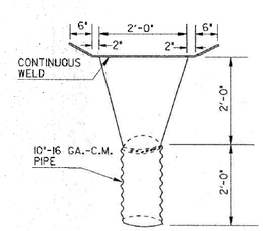
PLAN VIEW
SCALE: 1/2" = 1'-0"



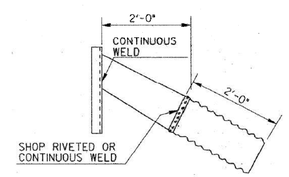
SECTION A-A
SCALE: 1/2" = 1'-0"



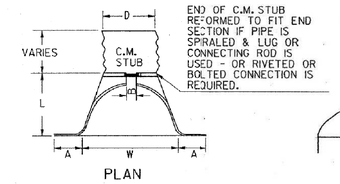
FRONT VIEW
SCALE: 3/4" = 1'-0"



PLAN VIEW
SCALE: 3/4" = 1'-0"

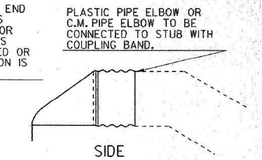


SIDE VIEW
SCALE: 3/4" = 1'-0"



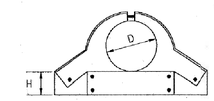
PLAN

END OF C.M. STUB REFORMED TO FIT END SECTION IF PIPE IS SPIRALED & LUG OR CONNECTING ROD IS USED - OR RIVETED OR BOLTED CONNECTION IS REQUIRED.



SIDE

PLASTIC PIPE ELBOW OR C.M. PIPE ELBOW TO BE CONNECTED TO STUB WITH COUPLING BAND.



FRONT

TYPICAL DIMENSIONS

D	GALV. STEEL	ALUM.	A	B	H	L	W
10"	18 GA	18 GA	7 1/2"	2 1/2"	6"	14 1/2"	21"
12"	16 GA	16 GA	5"	6"	6"	20"	24"

ALTERNATE DRAIN INLET (METAL)

GENERAL NOTES:

1. DRAIN INLETS AND SLOPE DRAIN PIPE USED FOR TEMPORARY EROSION AND POLLUTION CONTROL UNDER SECTION 163 WILL BE RETAINED FOR USE AS INVENTORY ITEMS BY THE CONTRACTOR.
2. EROSION PROTECTION AT PIPE OUTLET WILL BE PROVIDED AS APPROPRIATE. THE PIPE MAY BE EXTENDED TO OUTLET IN A PAVED DITCH OR TEMPORARY DISSIPATORS CONSTRUCTED OF LOGS OR STONE MAY BE USED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS PROTECTION MEASURE.
3. SLOPE DRAIN PIPE MAY BE ANY TYPE ALLOWED BY THE GA. STANDARD SPECIFICATIONS.
4. ALLOWABLE DRAIN INLET ALTERNATES WILL BE:
   (A) IF SLOPE DRAIN IS PLASTIC, A PLASTIC DRAIN INLET OR PLASTIC FLARED END SECTION HAVING SIMILAR DESIGN TO METAL INLETS OR END SECTIONS MAY BE USED FOR THE DRAIN INLET.
   (B) A METAL FLARED END SECTION MAY BE USED WITH EITHER PLASTIC PIPE OR C.M. PIPE. IF THE END SECTION WAS MADE FOR LARGER PIPE THAN THE SLOPE DRAIN PIPE, AN APPROVED MODIFIED CONNECTION WILL BE REQUIRED BETWEEN THE PIPE AND THE END SECTION.
   (C) A SUMP HOLE WITH DIMENSIONS AT LEAST EQUIVALENT TO THE METAL DRAIN AND LINED WITH POLYETHYLENE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER MAY BE USED WITH ANY TYPE OF PIPE.
   (D) THE METAL DRAIN INLET SHOWN MAY BE USED WITH EITHER 10" C.M. PIPE OR PLASTIC PIPE.
5. THE CONTRACTOR MAY ELECT TO USE PIPE LARGER THAN 10" DIAMETER WITH NO ADDITIONAL PAYMENT.

BY	REVISION	DATE
	ADDED ELBOW	2-25-00

CONSTRUCTION DETAILS
TEMPORARY PIPE SLOPE DRAIN WITH DRAIN INLET

SCALE AS SHOWN

D-19

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

REVISION DATES

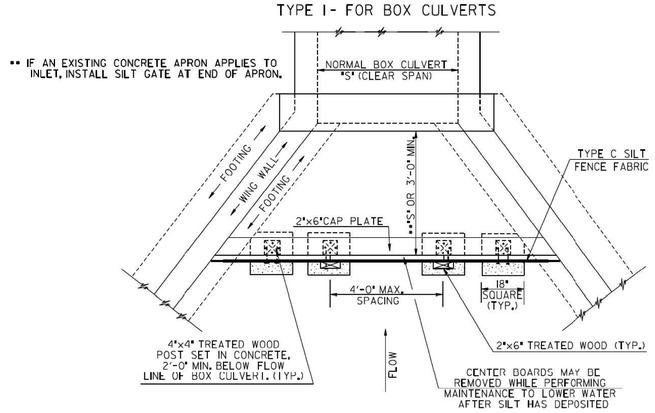
EROSION CONTROL CONTRUCTION DETAILS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

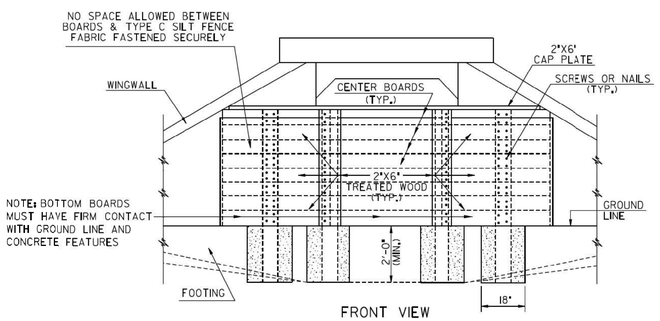
DRAWING No. 56-0001

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

TYPE 1- FOR BOX CULVERTS



TOP VIEW

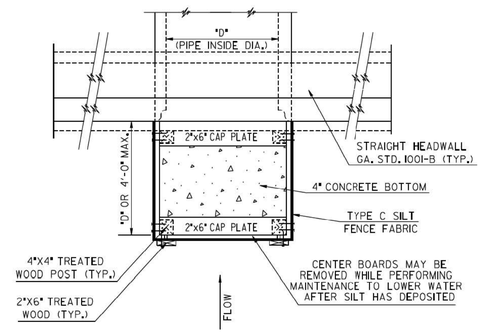


FRONT VIEW

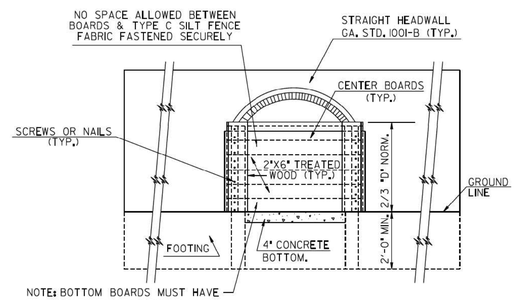
SILT CONTROL GATE TYPE 1 NOTES:

1. REFER TO GA. STD 2332 FOR CONCRETE APRONS.
2. SEE SECTION 163 FOR THE REMOVAL OF TYPE 1 SILT CONTROL GATES.

TYPE 2 - FOR STRAIGHT HEADWALLS

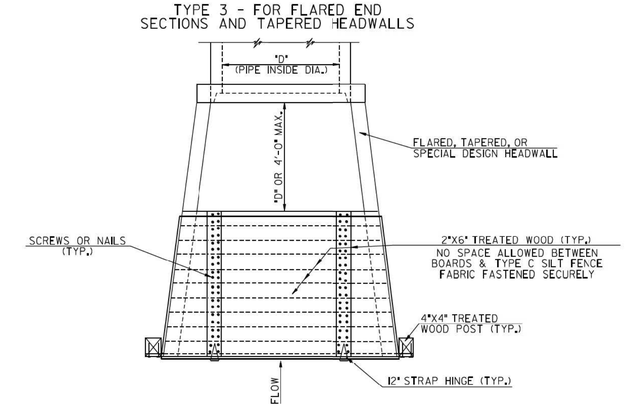


TOP VIEW

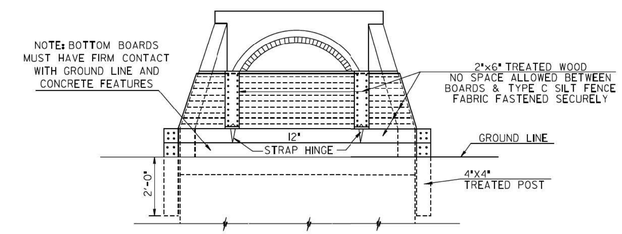


FRONT VIEW

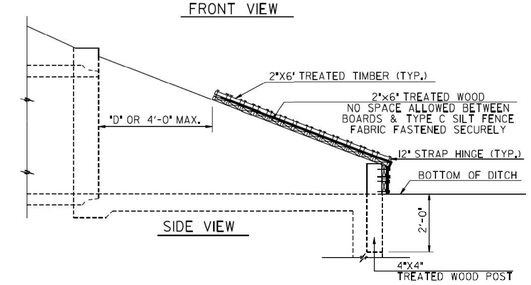
TYPE 3 - FOR FLARED END SECTIONS AND TAPERED HEADWALLS



TOP VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES:

1. A SILT CONTROL GATE IS A TEMPORARY STRUCTURE PLACED AT INLETS TO FORM A BASIN FOR TRAPPING SEDIMENT.
2. SILT GATES SHALL NOT BE USED ON STRUCTURES THAT CONVEY STATE WATERS.
3. SILT GATES SHALL ONLY BE USED ON DRAINAGE AREAS UP TO 50-ACRES WITH NO MORE THAN 5-ACRES DISTURBED WITHIN THE DRAINAGE AREA.
4. USE WOOD SCREWS OR NAILS TO CONNECT WOOD COMPONENTS WITH NO SPACE ALLOWED BETWEEN BOARDS. TYPE C SILT FENCE FABRIC MUST BE FASTENED SECURELY WITH STAPLES OR NAILS TO OUTSIDE FACE OF BOARDS AND COVERING ALL BUTT-JOINTS BETWEEN BOARDS. OVERLAP ADDITIONAL SILT FENCE FABRIC A MINIMUM OF 12-INCHES.
5. REMOVE SEDIMENT WHEN IT REACHES ONE-THIRD THE HEIGHT OF SILT CONTROL GATE AND SILT FENCE FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.

PAY ITEMS:

163-0501	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1	(EA)
163-0502	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 2	(EA)
163-0503	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	(EA)
165-0085	MAINTENANCE OF SILT CONTROL GATE, TP 1	(EA)
165-0086	MAINTENANCE OF SILT CONTROL GATE, TP 2	(EA)
165-0087	MAINTENANCE OF SILT CONTROL GATE, TP 3	(EA)

BY	REVISION	DATE
DLE	ADD. FABRIC & ADD. NOTES	4-22-16
TPC	ADD. & REV SILT GATE NOTES	1-19-11
	REMOVE INLET SEDIMENT TRAP	
	REV. LUMBER SIZES	
GLO	REV. SPECIFICATION	3-21-05
MGR	ADDED PAYMENT NOTE	10-22-02

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3

NO SCALE

REV. & REDR. DEC., 2000

NUMBER D-20

Michael Baker INTERNATIONAL
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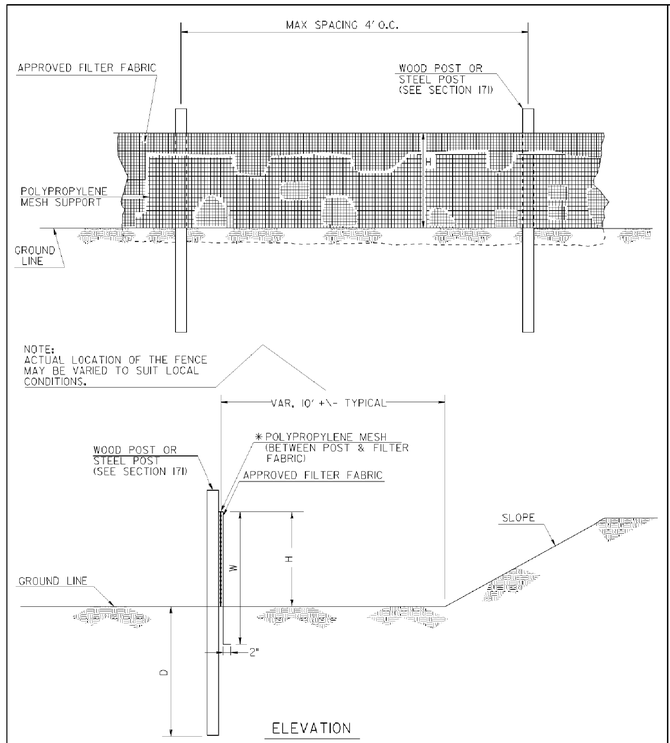
SANDY SPRINGS GEORGIA

REVISION DATES

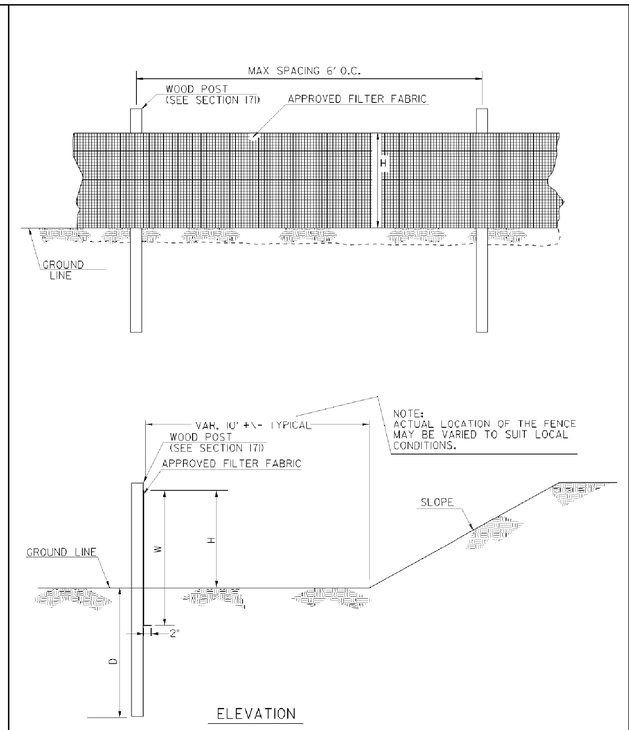
EROSION CONTROL CONTRUCTION DETAILS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

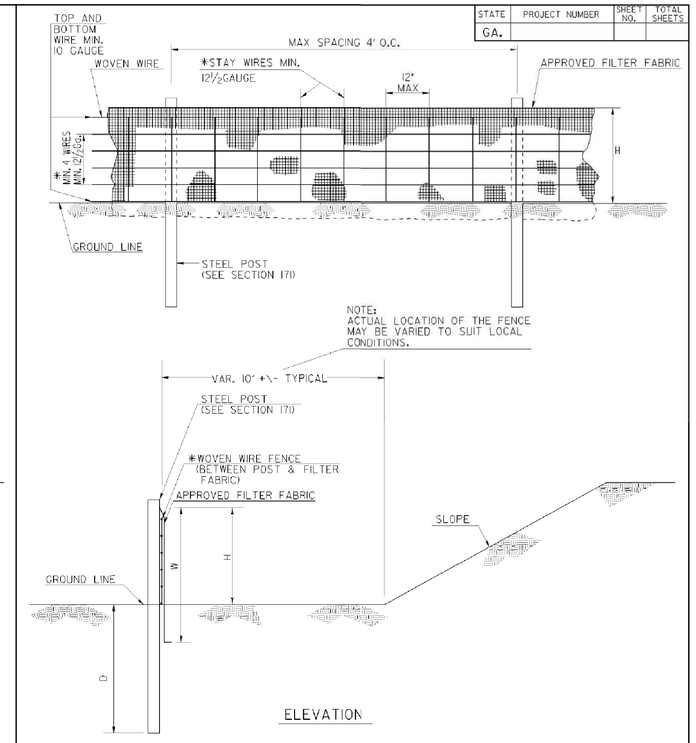
DRAWING No. 56-0002



SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE



SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST 1/2 INCHES LONG AND A CROWN AT LEAST 3/4INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1INCH LONG , WITH BUTTON HEADS AT LEAST 3/4 INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12/2 GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE OPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

REVISION	BY	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

NO SCALE REV. AND REDRAWN JAN. 2011

NUMBER D-24A (SHEET 1 OF 4)

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SANDY SPRINGS GEORGIA

REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
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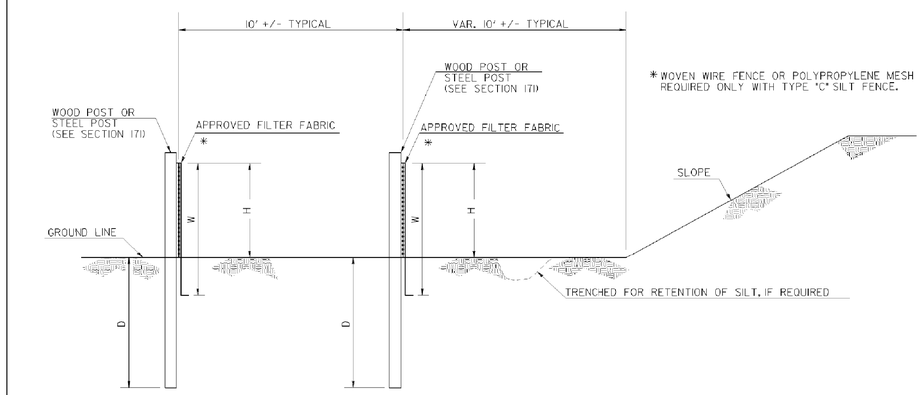
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 56-0003

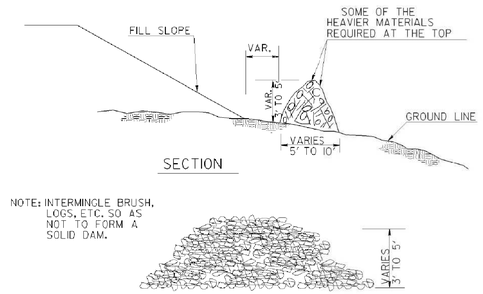


ELEVATION

DOUBLE ROW SILT FENCE

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS

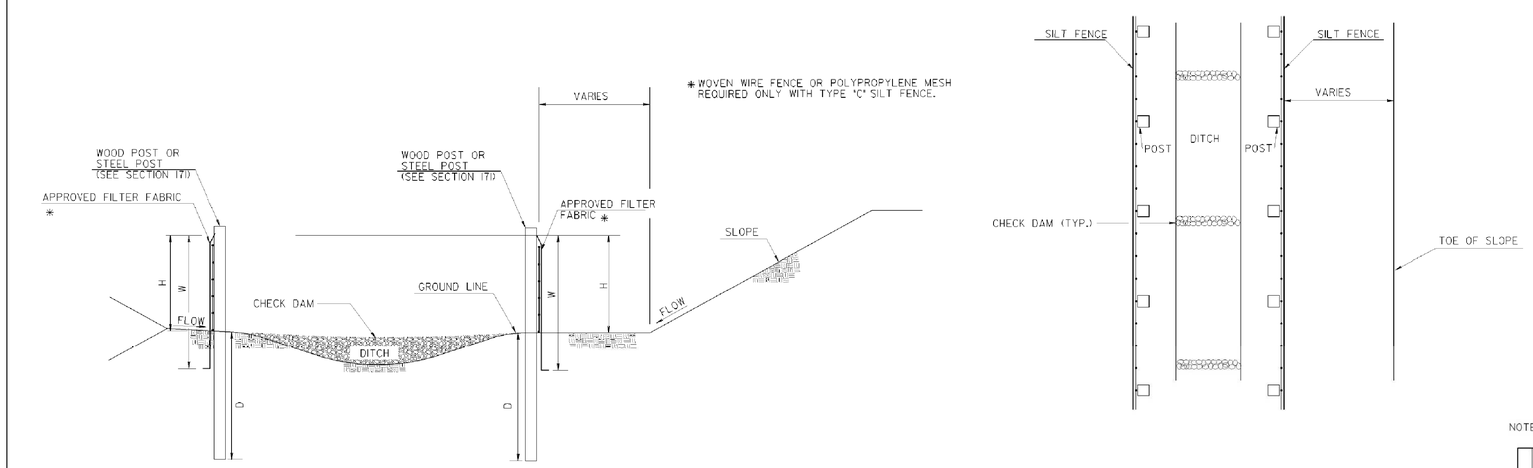


FRONT VIEW

NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BRUSH BARRIER DETAILS

(FOR USE IN RURAL AREAS)



ELEVATION

PLAN

NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE 'A'	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE 'C'	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

SILT FENCE

PERIMETER INSTALLATION ALONG DITCH SECTION

BY	REVISION	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

BERM DITCH, INSTALLATION, BRUSH BARRIER

NO SCALE — REV. AND REDRAWN JAN. 2011

NUMBER D-24B (SHEET 2 OF 4)

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(770) 263-9118

SANDY SPRINGS GEORGIA

REVISION DATES

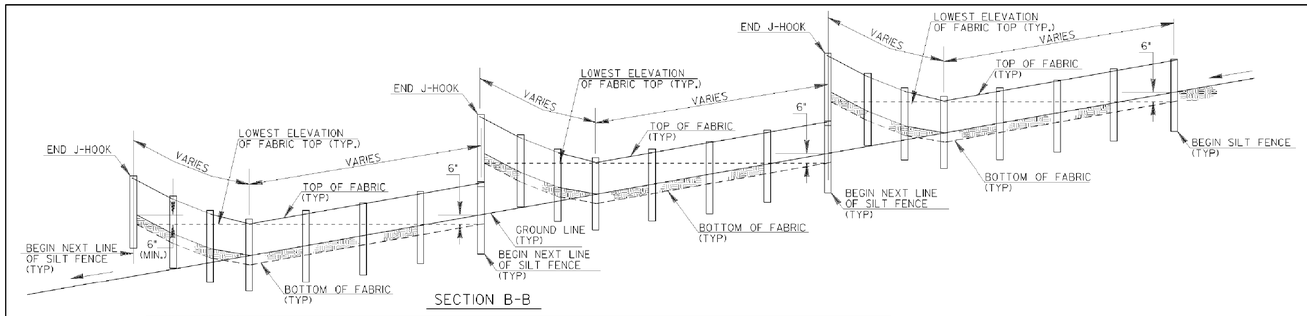
EROSION CONTROL CONTRUCTION DETAILS

CDBG ROSWELL ROAD SIDEWALKS

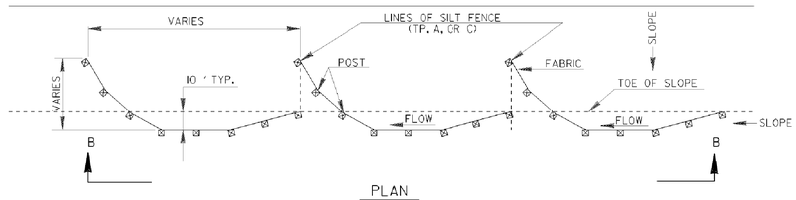
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 56-0004

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

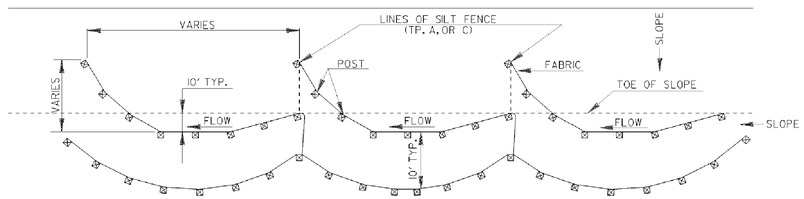


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



PLAN

DOUBLE ROW SILT FENCE

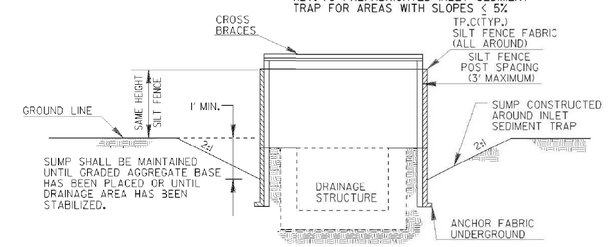
TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

NOTE:

1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

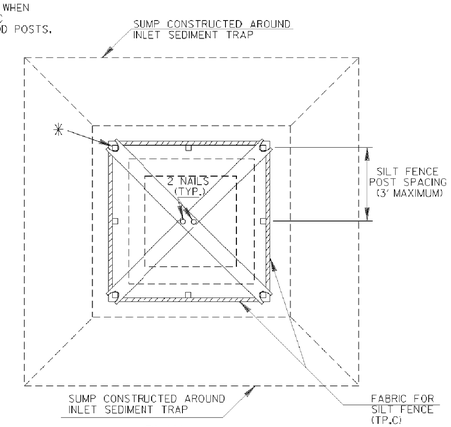
TYPICAL LOCATION AROUND DROP INLETS

ALT. TO PREFABRICATED INLET SEDIMENT TRAP FOR AREAS WITH SLOPES ≤ 5%



ELEVATION

✳ CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

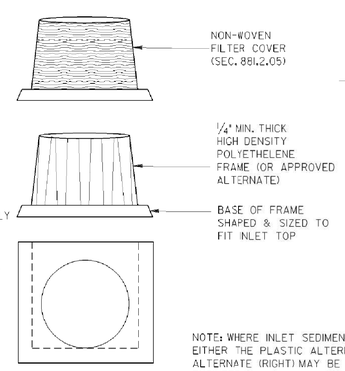
(PLASTIC ALTERNATE)

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

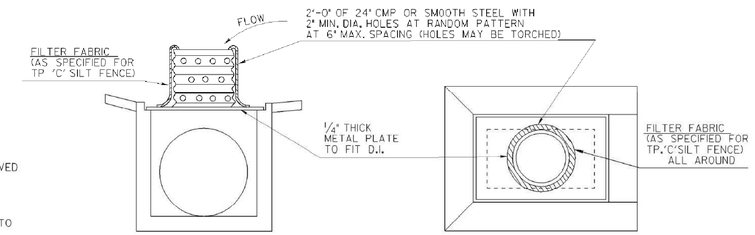
1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL. #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.



SIDE VIEW

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

INLET SEDIMENT TRAP - FOR DROP INLETS

DATE	REVISION	BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

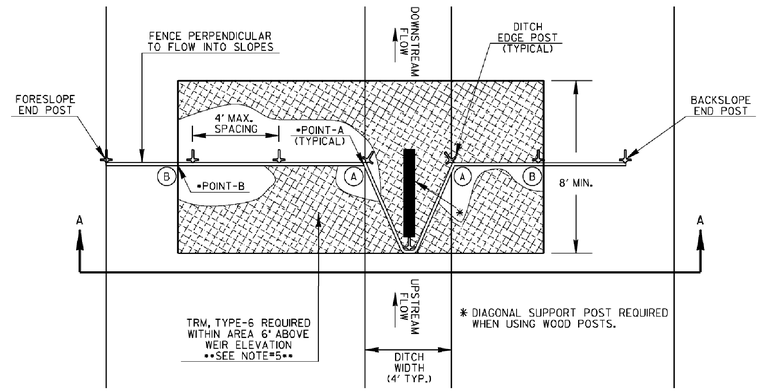
CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
J-HOOK, INLET SEDIMENT TRAPS

NO SCALE — JANUARY 2011

NUMBER D-24C (SHEET 3 OF 4)

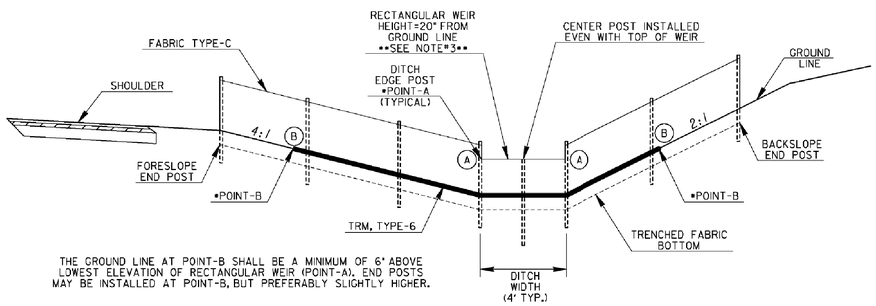
1/18/2011 2:06:33 PM \\GDOT-DSK1\GDPLOT\GDF\GD_Kfp8000.gdf gowens V:\GARY\Rev. Construction Details\D-24C\D-24C.prf

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



PLAN VIEW

TYPICAL FABRIC CHECK DAM SPACING	
GRADE OF DITCH	MINIMUM SPACING (FEET)
LESS THAN 1%	100' ±
1% TO 3%	75' ±
3% TO 6%	50' ±
6% TO 8%	25' ±



THE GROUND LINE AT POINT-B SHALL BE A MINIMUM OF 6' ABOVE LOWEST ELEVATION OF RECTANGULAR WEIR (POINT-A). END POSTS MAY BE INSTALLED AT POINT-B, BUT PREFERABLY SLIGHTLY HIGHER.

SECTION A-A

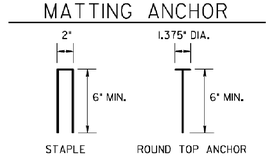
NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4-FT FLAT BOTTOM DITCH. ACTUAL FABRIC CHECK DAMS SHALL BE INSTALLED SIMILARLY ACCORDING TO ROADWAY CROSS-SECTIONS.

NOTES:

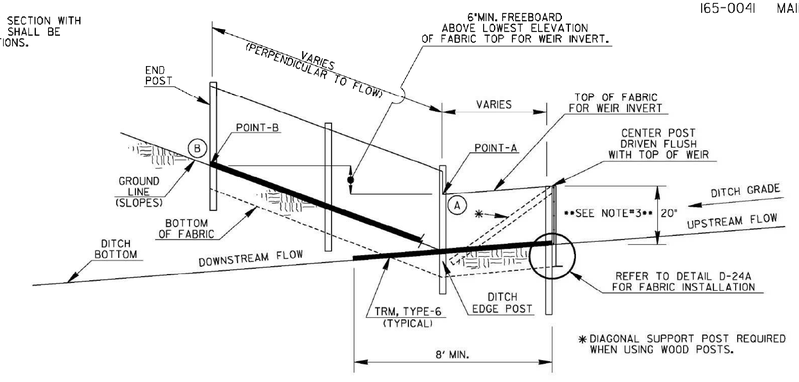
1. FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.
2. FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
3. FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 15-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.
4. THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:
   - A) DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.
   - B) CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.
   - C) LAYOUT TURF REINFORCEMENT MATTING (TRM), TYPE-6 TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSTREAM OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL NECESSARY TRM SHALL BE OVERLAPPED 3-FT. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.
   - D) INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.
   - E) PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.
   - F) INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSTREAM TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED. HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.
5. TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

PAY ITEMS:
163-0528 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

TURF REINFORCEMENT MATTING ANCHOR



NOTE: TURF REINFORCEMENT MATTING SHALL BE ANCHORED WITH 8-GAUGE METAL STAPLES OR ROUND TOP ANCHORS. ANCHORS SHALL BE LONG ENOUGH TO PROVIDE SUFFICIENT GROUND PENETRATION TO RESIST PULL OUT.



BY	REVISION	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
FABRIC CHECK DAM

NO SCALE REV. AND REDRAWN, JULY 2015

NUMBER D-24D (SHEET 4 OF 4)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS GEORGIA

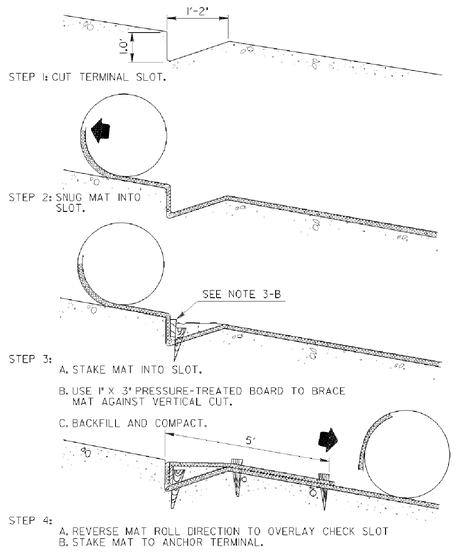
REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
CDBG ROSWELL ROAD SIDEWALKS

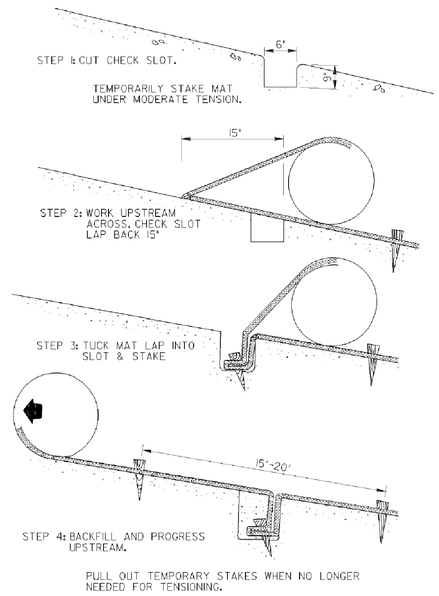
CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No. 56-0006

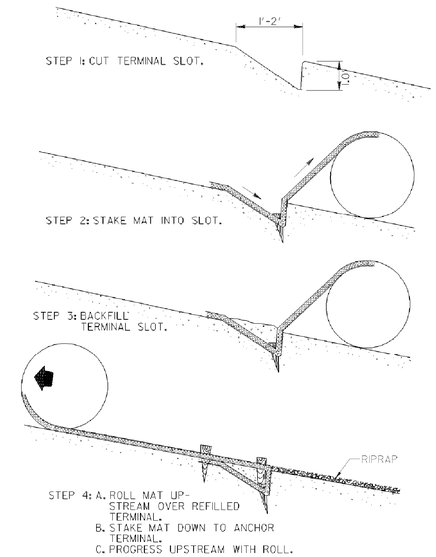
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



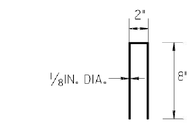
UPSTREAM TERMINAL



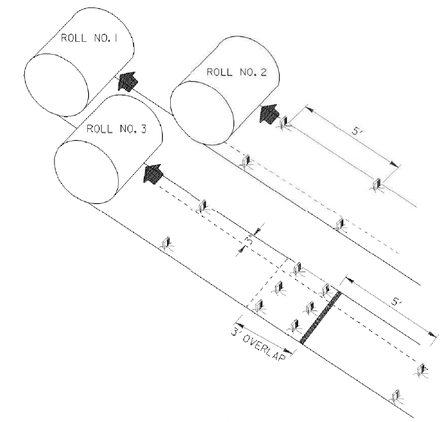
TRANSVERSE CHECK SLOT



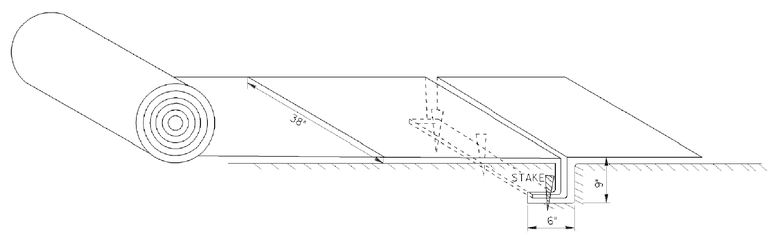
DOWNSTREAM TERMINAL



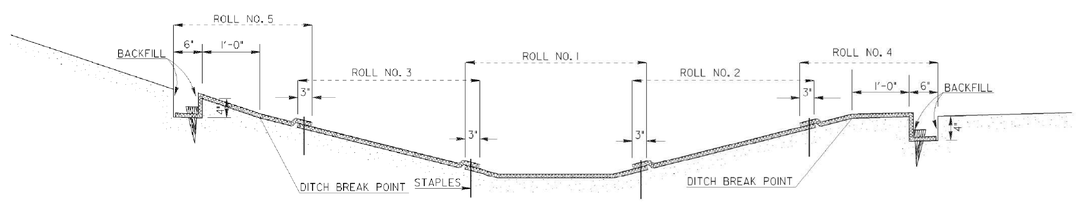
METAL MATTING - BLANKET STAPLE



SEQUENTIAL ROLL RUN OUT IN CHANNELS



PICTORAL VIEW OF TRANSVERSE SLOT



DITCH SECTION

NOTE: MAT TO BE PLACED ONE FEET ABOVE DITCH BREAK POINT OR ONE FOOT ABOVE THE 25 YEAR STORM.

GENERAL NOTES

1. INSTALLATION TO BE DONE AS PER MANUFACTURER'S RECOMMENDATIONS.
2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
5. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
6. USE 3' OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
7. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
8. METAL STAPLES MAY BE USED IN LIEU OF WOODEN STAKES.

T.P.C.	REVISED SHEET LAYOUT & ADDED DITCH SECTION, ADDED METAL STAPLE.	1-19-11	BY	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
PERMANENT SOIL REINFORCING MAT
(TURF REINFORCING MATS)
INSTALLATION ON DITCHES

NO SCALE — AUGUST 1988

Designed ___
Drawn K.L.J.
Traced ___
Checked ___

NUMBER D-35

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
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SANDY SPRINGS GEORGIA

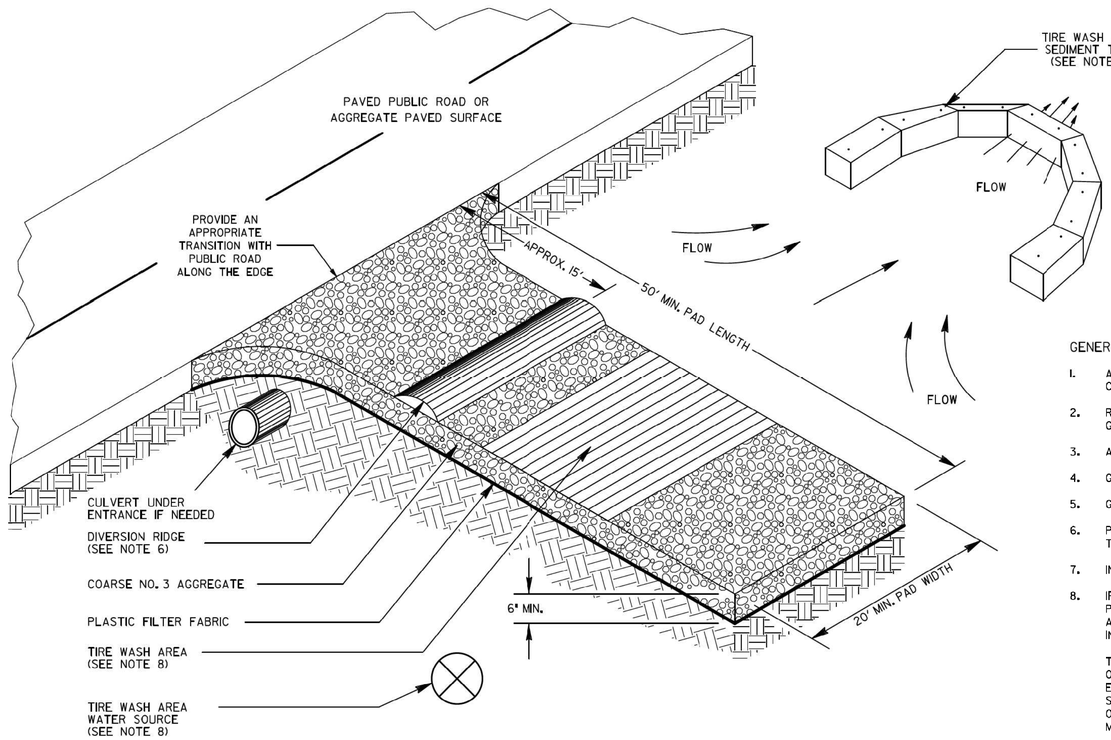
REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
CDBG ROSWELL ROAD SIDEWALKS

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 56-0007

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



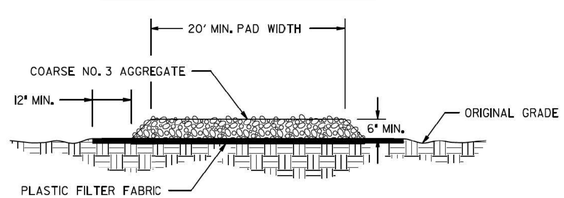
GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE WASH ASSEMBLY TO AN EXISTING CONSTRUCTION EXIT WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE WASH ASSEMBLY INCLUDES: TIRE WASH AREA, WATER SOURCE, AND SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE.

   THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
9. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
10. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT WILL BE PAID ON THE BASIS OF HAVING OR NOT HAVING A CONSTRUCTION EXIT TIRE WASH ASSEMBLY WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

   SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

ENTRANCE ELEVATION



PAY ITEMS:

163-0300	CONSTRUCTION EXIT	(EA)
163-0310	CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)

REVISION	BY	DATE
REV. TIRE WASH & NOTES	DLE	04-18-18
REV. GSWCC 2016 MANUAL	DLE	04-22-16
REV. CONSTR. EXIT LABELS	TPC	01-19-11

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

NO SCALE FEBRUARY 2001

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-41

Michael Baker INTERNATIONAL
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SANDY SPRINGS GEORGIA

REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
CDBG ROSWELL ROAD SIDEWALKS

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VERIFIED: DATE:

DRAWING No. 56-0008