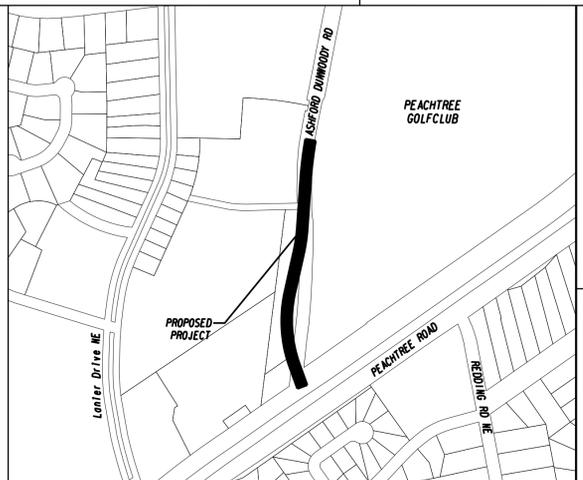
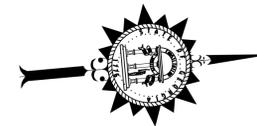


ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT PROJECT # MTOI

PREPARED FOR:
THE CITY OF BROOKHAVEN
DEKALB COUNTY

JOB NO. 27323.000



LOCATION SKETCH

DESIGN DATA:
TRAFFIC A.D.T.: 14,900
DIRECTIONAL DIST: 50/50
% TRUCKS: 2%
24 HR. TRUCKS %: 2%
SPEED DESIGN: 40 MPH

FUNCTIONAL CLASS:
PEACHTREE ROAD- PRINCIPAL ARTERIAL
ASHFORD DUNWOODY ROAD - MINOR ARTERIAL
THIS PROJECT IS 100% IN
DEKALB COUNTY AND IS
100% IN CONG. DIST. NO. 06.

PROJECT DESIGNATION:
DESIGNED IN ENGLISH UNITS.

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

DISTURBED AREA = 3.33 AC.

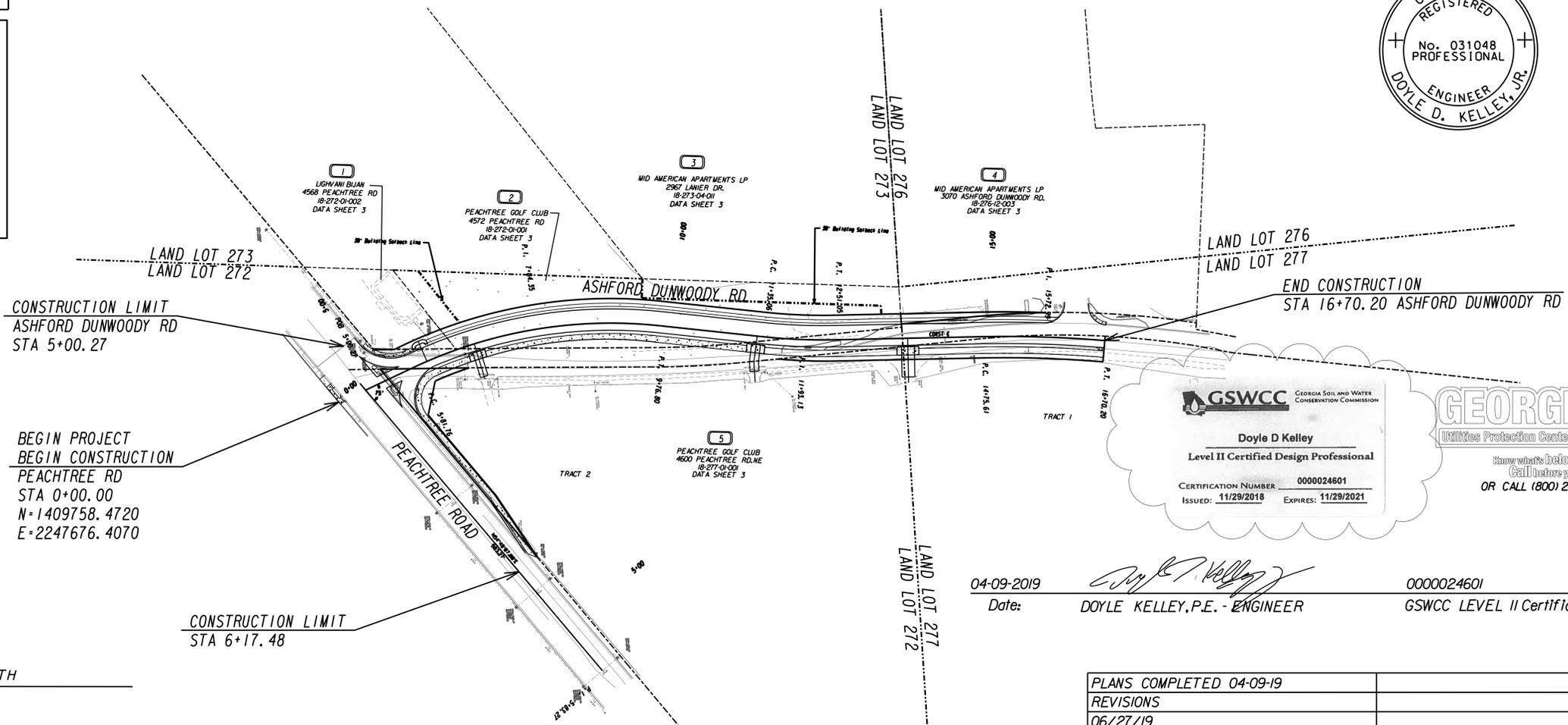
24 HOUR CONTACT:

BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH
Name

CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319
City, State Zip

(404) 637-0540 kevin.korth@brookhavenga.gov
Phone Number Email

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



BEGIN PROJECT
BEGIN CONSTRUCTION
PEACHTREE RD
STA 0+00.00
N=1409758.4720
E=2247676.4070

CONSTRUCTION LIMIT
ASHFORD DUNWOODY RD
STA 5+00.27

CONSTRUCTION LIMIT
STA 6+17.48

04-09-2019 Date: Doyle Kelley, P.E. - ENGINEER 0000024601 GSWCC LEVEL II Certification Number

LENGTH OF PROJECT	COUNTY No. 89 Project No. 27323.0000
	MILES
NET LENGTH OF ROADWAY	0.326
NET LENGTH OF BRIDGES	0.0
NET LENGTH OF PROJECT	0.318
NET LENGTH OF EXCEPTIONS	0.0
GROSS LENGTH OF PROJECT	0.326



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Atlanta, GA 30341 • 470.893.1698
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PLANS COMPLETED 04-09-19	
REVISIONS	
06/27/19	
09/13/19	

DRAWING No.
01-0001

PROJECT GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION AND THE CITY OF BROOKHAVEN ORDINANCES.
- INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS.
- RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
- 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.
- 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.
- 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.
- 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".
- 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".
- 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.
- 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".
- 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.
- REPLACEMENT GRASSING SHALL BE SOD UNLESS OTHERWISE DIRECTED BY THE CITY.
- 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.
- ALL FIRE HYDRANTS, WATER VALVES, AND WATER METERS SHALL BE ADJUSTED TO GRADE AND PAYMENT SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- 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".
- LEVEL D PERSONAL PROTECTIVE EQUIPMENT IS RECOMMENDED. THERE ARE NO UST'S OR MONITORING WELLS WITHIN ANY EXISTING OR PROPOSED RIGHT-OF-WAY AREAS.
- ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 101 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.
- 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 GRADING COMPLETE.
- AN NOI. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 2.56 ACRES.
- CONTRACTOR IS TO CLEAN OUT ALL EXISTING DRAINAGE STRUCTURES AND PAYMENT TO BE INCLUDED IN GRADING COMPLETE.
- PAYMENT FOR SIGNS REQUIRED FOR EROSION SEDIMENTATION AND POLLUTION CONTROL (ESPCP) SHALL BE INCLUDED IN TRAFFIC CONTROL.
- 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 BROOKHAVEN.
- YELLOW DETECTABLE WARNING STRIPS SHALL BE AS APPROVED ON THE GDOT QUALIFIED PRODUCT LIST.
- THE CONTRACTOR SHALL REMOVE AND RESET ALL HISTORIC AND BROOKHAVEN SIGNS UNLESS OTHERWISE NOTED AND THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF BROOKHAVEN FOR STORAGE AND PLACEMENT OF SIGNS. PAYMENT FOR THIS SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL BE INCLUDED IN LUMP SUM BID FOR GRADING COMPLETE.

MAINTENANCE OF TRAFFIC GENERAL NOTES

- ALL IT EMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".
- ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL SIGNS SHALL HAVE TYPE IX RETRO REFLECTIVE SHEETING UNLESS OTHERWISE NOTED.
- IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
- 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.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT AS DETERMINED BY THE ENGINEER SHALL BE OBLITERATED BY THE CONTRACTOR BY HYDRO BLASTING AND SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.
- 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 BROOKHAVEN. TYPE I AND II BARRICADES AND CONES SHALL NOT BE USED.
- REFLECTORIZED DRUMS SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. MAXIMUM SPACING EQUALS THE DESIGN SPEED LIMIT FOR THE TAPER.
- 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.
- THE CITY OF BROOKHAVEN 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.
- THE CONTRACTOR MUST OBTAIN A ROAD CLOSURE PERMIT FROM THE CITY OF BROOKHAVEN A MINIMUM OF 3 WEEKS PRIOR TO ROAD CLOSURE.
- ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.
- 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.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY THE CITY OF BROOKHAVEN 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.
- DURING CONSTRUCTION PAVEMENT SECTIONS SHOULD BE COMPLETED UP TO BINDER LAYER WITH TEMPORARY STRIPING. 1 1/4 INCHES OF 9.5 MM SUPERPAVE WILL BE APPLIED TO THE ENTIRE PROJECT AREA AND PERMANENT STRIPING WILL BE COMPLETED AT THAT TIME. PAYMENT FOR TEMPORARY STRIPING WILL BE PAID UNDER TRAFFIC CONTROL BID ITEM.

UTILITY OWNER	SERVICE	CONTACT NUMBERS
ATLANTA GAS LIGHT	NATURAL GAS	470-218-5996
AT&T TELECOM	COMMUNICATIONS	706-781-4453
AT&T TELECOM	COMMUNICATIONS	706-701-6081
COMCAST	COMMUNICATIONS	404-597-4353
COMCAST	COMMUNICATIONS	770-559-2126
DEKALB COUNTY WATER & SEWER	SEWER/WATER	678-614-9396
GOOGLE FIBER INC. TELECOM	COMMUNICATIONS	404-901-4529
GEORGIA POWER	ELECTRIC	404-947-0729
LEVEL 3 COMMUNICATIONS TELECOM	COMMUNICATIONS	877-366-8344
VERIZON BUISNESS TELECOM	COMMUNICATIONS	469-886-4218
VERIZON TELECOM	COMMUNICATIONS	470-304-9277
MARTA ELECTRIC	ELECTRIC BUSES	404-848-5000
MARTA	BUS STOP PLANNER	404-848-5697
ZAYO FIBER SOLUTIONS TELECOM	COMMUNICATIONS	470-249-5124

UTILITY GENERAL NOTES

- ADJUST ALL PROPOSED VALVES WITHIN THE PROJECT LIMITS TO THE PREVAILING FINISHED GRADE
- ADJUST ALL MANHOLE COVERS WITHIN THE PROJECT LIMITS TO THE PREVAILING FINISHED GRADE
- ALL MANHOLES LOCATED WITHIN ROADWAYS SHALL BE INSTALLED WITH CONCRETE COLLARS AND TRAFFIC RATED MANHOLE FRAMES AND COVERS AS PER DETAILS S-006 AND S-008.
- UNVENTED/SOLID MANHOLE COVERS ARE TO BE INSTALLED AT ALL LOCATIONS WITHIN THE PROJECT LIMITS.
- ADJUST OR RELOCATE WATER METERS AS NECESSARY. ANY METERS REQUIRING ADJUSTMENT OR RELOCATIONS MUST BE UPGRADED TO THE APPROVED METER AS PER DWM REQUIREMENTS. THIS REQUIRES THAT THE CONTRACTOR CONTACT DEKALB WATERSHED MANAGEMENT, ENGINEERING & CONSTRUCTION MANAGEMENT DIVISION, IN ORDER TO OBTAIN AN APPROVED METER AND RETROFIT FOR WATER METER INSTALLATIONS WITHIN THE PROJECT LIMITS.
- FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE COUNTY WATERSHED MANAGEMENT BEFORE CHANGES ARE IMPLEMENTED.
- DEKALB COUNTY WATERSHED STANDARDS ARE AVAILABLE ONLINE, FOR FREE, VIA: [HTTPS://WWW.DEKALBCOUNTYGA.GOV/WATERSHED-MANAGEMENT/OFFICE-ENGINEERING-CONSTRUCTION-MANAGEMENT-SERVICES](https://www.dekalbcountyga.gov/watershed-management/office-engineering-construction-management-services).
- TO PURCHASE A HARD COPY OF THE DESIGN STANDARDS AND DETAIL, PLEASE CALL (770) 414-2383 OR (770) 621-7272.
- AS-BUILT DRAWINGS SHALL BE FURNISHED TO DWM AT THE CONCLUSION OF THE PROJECT IN BOTH AN ELECTRONIC AND HARD COPY FORMATS.

ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE PLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND AGGREGATE SURFACE COURSE FOR DIRT DRIVES. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BESTAVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. REQUIRED DRIVEWAY EASEMENTS NOT SHOWN ON THE PLANS SHALL BE ACQUIRED. DRIVES SHALL BE CONSTRUCTED USING:

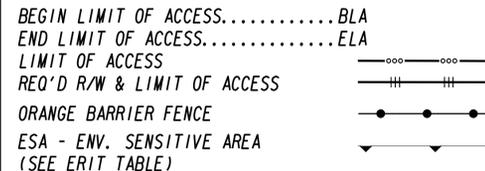
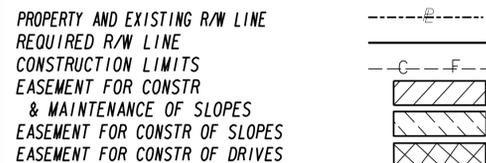
ASPHALT - RESIDENTIAL- ASPH CONC 12.5mm SUPERPAVE (165 LB/SY)
GRADED AGGREGATE BASE, 6"
ASPHALT - COMMERCIAL- ASPH CONC 12.5mm SUPERPAVE (165 LB/SY)
ASPH CONC 19 mm SUPERPAVE (220 LB/2Y)
GRADED AGGREGATE BASE, 6"

CONCRETE - RESIDENTIAL - DRIVEWAY CONCRETE, 6" THICK

CONCRETE - COMMERCIAL - DRIVEWAY CONCRETE, 8" THICK



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REVISION DATES

GENERAL NOTES

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. 04-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

GENERAL NOTES & STANDARD SIGNS

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
2. SIGN ERECTION STATIONS ARE APPROXIMATE, AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS.
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,
- 4A. 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).
- 4B. 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).
5. 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 BE 3/8 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.
6. 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.
7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY TYPICAL FRAMING DETAILS.
8. TYPE 9 (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 CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
9. A 1/2 INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITH IN AN ASSEMBLY.
10. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL 3/8 INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.
11. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.
12. THE CONTRACTOR WILL, AS REQUESTED BY THE CITY, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

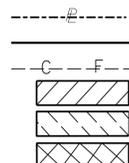
SIGNING AND PAVEMENT MARKING GENERAL NOTES

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 BROOKHAVEN STANDARDS.
3. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
4. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS.
5. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
6. 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 RETRO REFLECTIVITY. 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.
7. UNLESS OTHERWISE NOTED, SIGN POSTS SHALL BE 1 INCH SQUARE POSTS SET IN 2.5 INCH SQUARE STUBS. SUB HEIGHT SHALL BE BETWEEN 1 TO 4 INCHES FROM THE SURFACE FROM WHICH IT IS MOUNTED. THE POST SHALL BE BLACK WEATHER RESISTANT, RUST INHIBITIVE, HIGH DUALITY 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).
8. 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 BROOKHAVEN.
9. IN RESIDENTIAL AREAS, SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/POSTS/ STUBS/FOOTINGS/PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS.
11. 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 THAN 4 INCHES.
12. STREET NAME BLADES (D3'S) SHALL BE PROVIDED BY THE CONTRACTOR. ALL D3'S SHALL BE "WHITE ON GREEN", TYPE 1X 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 1X RETROREFLECTIVE SHEETING.
- 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 3/4 INCH IN WIDTH. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS.
- 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 3/4 INCH IN WIDTH. 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. 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.
13. PAVEMENT MARKINGS ON CONCRETE SURFACES SHALL BE PRE-FORMED THERMOPLASTIC AND INCLUDE CONTRASTING MATERIAL WHEN WHITE MARKINGS ARE USED.
14. PLANS SHALL INCLUDE SHEET(S) DETAILING FABRICATION SPECIFICATIONS FOR ALL REQUIRED ADVISORY NAME BLADES AND D3'S.
15. 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.
16. ALL EXISTING SIGNS SHALL BE REMOVED, CLEANED, AND RESET. PAYMENT FOR EXISTING SIGN REMOVAL, CLEANING AND RESET SHOULD BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL.

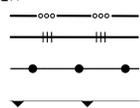
CITY OF BROOKHAVEN GENERAL TRANSPORTATION NOTES

1. ALL TRAFFIC CONTROL AND WARNING DEVICES MUST BE SHOWN, AND PLACED PER MUTCD. THE TRAFFIC CONTROL PLAN IS SUBJECT TO CHANGE BY THE BROOKHAVEN TRAFFIC ENGINEER.
2. 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.
3. ALL SIGNS SHALL CONFORM TO THE MUTCD STANDARDS AND BROOKHAVEN FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.
4. STRIPING (WHITE AND YELLOW) AND ARROW MARKING SHALL BE APPLIED USING GDOT STANDARDS FOR THERMOPLASTIC STRIPING.
5. WHEN NECESSARY, EXISTING STRIPING SHALL BE REMOVED BY HYDRO BLASTING UNLESS SPECIFIED BY THE BROOKHAVEN TRAFFIC ENGINEER.
6. ALL FINAL SIGNAGE MUST BE INSTALLED CONCURRENTLY WITH THE PERFORMANCE OF THE STRIPING WORK.
7. CONTACT THE BROOKHAVEN TRAFFIC ENGINEER ONE WEEK PRIOR TO COMMENCEMENT OF ANY STRIPING WORK.
8. A CITY OF BROOKHAVEN UTILITY PERMIT IS REQUIRED FOR ANY CONSTRUCTION WITHIN THE ROW. REFER TO THE CITY'S UTILITY PERMIT POLICY FOR REQUIREMENTS.
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. SAWCUT MUST BE USED IN ANY AREA WHERE NEW PAVEMENT WILL ABUT EXISTING PAVEMENT.
11. NO CLOSURES OR ENCROACHMENTS INTO THE PEDESTRIAN, BICYCLE, OR VEHICULAR TRAVEL AREAS SHALL BE DONE WITHOUT PRIOR APPROVAL FROM THE BROOKHAVEN TRAFFIC ENGINEER. ALL PROPOSED PLANS FOR CLOSURES AND ENCROACHMENTS SHALL BE SUBMITTED AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT.

**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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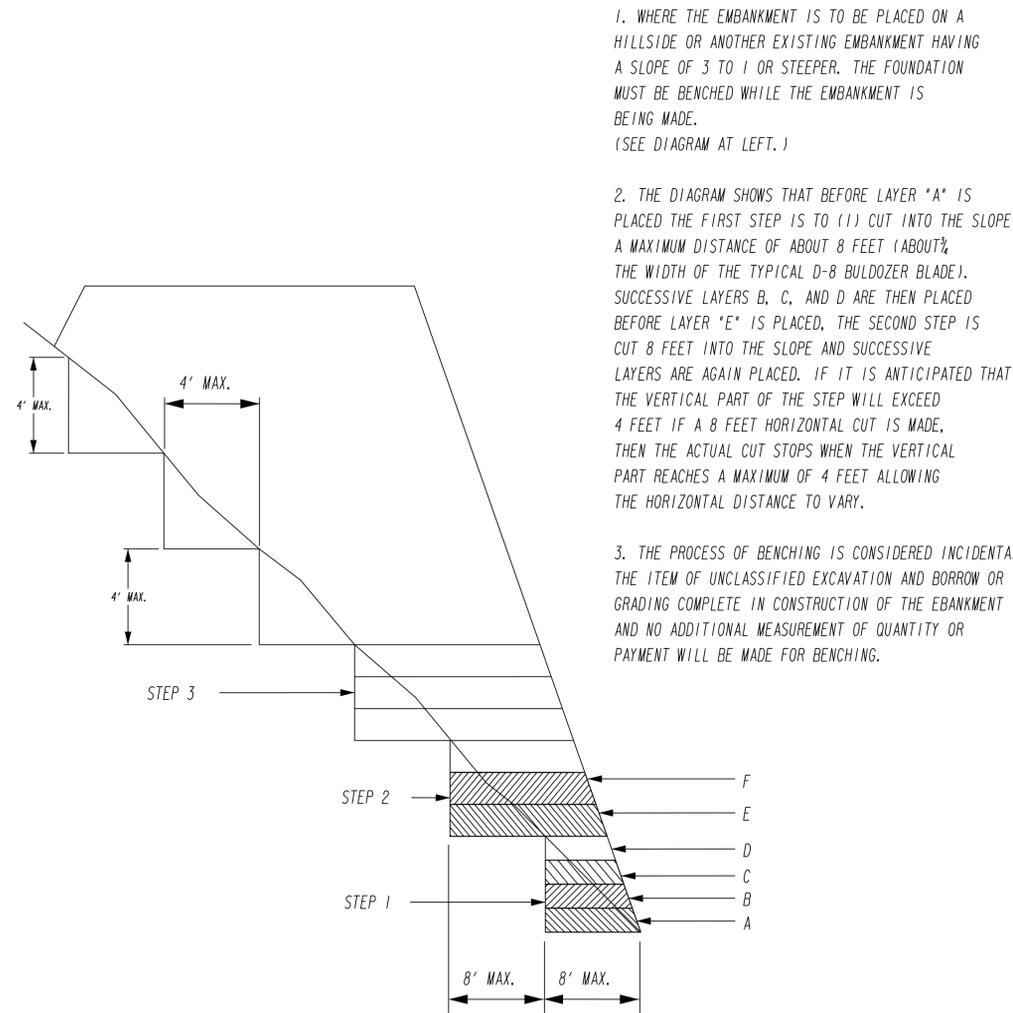
REVISION DATES

GENERAL NOTES

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. 04-0002
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	





1. WHERE THE EMBANKMENT IS TO BE PLACED ON A HILLSIDE OR ANOTHER EXISTING EMBANKMENT HAVING A SLOPE OF 3 TO 1 OR STEEPER, THE FOUNDATION MUST BE BENCHED WHILE THE EMBANKMENT IS BEING MADE.
(SEE DIAGRAM AT LEFT.)
2. THE DIAGRAM SHOWS THAT BEFORE LAYER "A" IS PLACED THE FIRST STEP IS TO (1) CUT INTO THE SLOPE A MAXIMUM DISTANCE OF ABOUT 8 FEET (ABOUT 1/4 THE WIDTH OF THE TYPICAL D-8 BULDOZER BLADE). SUCCESSIVE LAYERS B, C, AND D ARE THEN PLACED BEFORE LAYER "E" IS PLACED. THE SECOND STEP IS CUT 8 FEET INTO THE SLOPE AND SUCCESSIVE LAYERS ARE AGAIN PLACED. IF IT IS ANTICIPATED THAT THE VERTICAL PART OF THE STEP WILL EXCEED 4 FEET IF A 8 FEET HORIZONTAL CUT IS MADE, THEN THE ACTUAL CUT STOPS WHEN THE VERTICAL PART REACHES A MAXIMUM OF 4 FEET ALLOWING THE HORIZONTAL DISTANCE TO VARY.
3. THE PROCESS OF BENCHING IS CONSIDERED INCIDENTAL TO THE ITEM OF UNCLASSIFIED EXCAVATION AND BORROW OR GRADING COMPLETE IN CONSTRUCTION OF THE EMBANKMENT AND NO ADDITIONAL MEASUREMENT OF QUANTITY OR PAYMENT WILL BE MADE FOR BENCHING.

BENCHING DETAIL

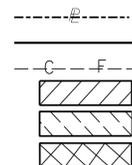
Revised 9/29/08

4.5.28

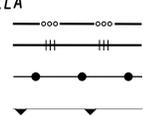
NO SCALE



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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REVISION DATES

NO.	DATE	DESCRIPTION

GENERAL NOTES

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

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

DRAWING No.

04-0003

ALLOWABLE RANGES TABLE

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT"
EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM	0.0156 FT/FT - MINIMUM
0.0208 FT/FT - DESIRABLE	0.0208 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM	0.0300 FT/FT - MAXIMUM

B. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD,
WHICHEVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM 1:150	0.67%
DESIRABLE 1:200	0.50%
MAXIMUM 1:300	0.33%

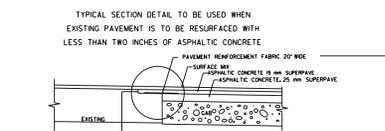
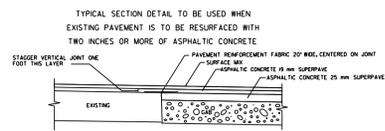
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

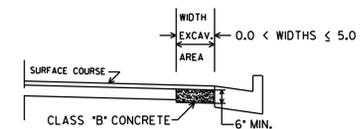
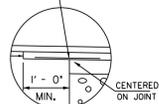
- 50% OF TRANSITION INSIDE CURVE - MAXIMUM
- 33% OF TRANSITION INSIDE CURVE - DESIRABLE
- 20% OF TRANSITION INSIDE CURVE - MINIMUM

NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).



MILL EXISTING LANE ONE FOOT WIDE TO DEPTH OF MOVING LAYER TO BE PLACED. COST OF MILLING FOR THIS WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR PAVEMENT REINFORCING FABRIC.

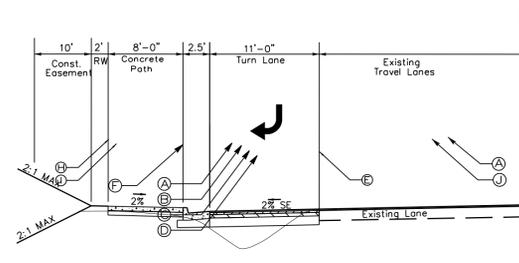
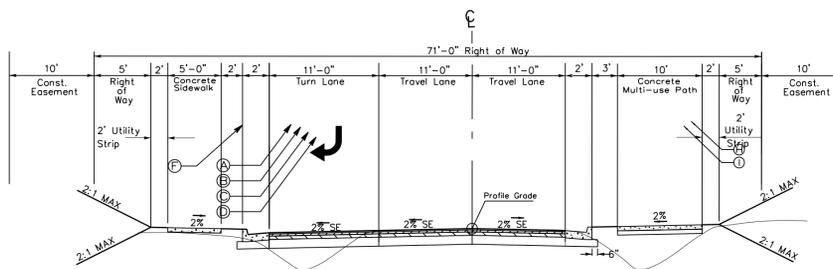
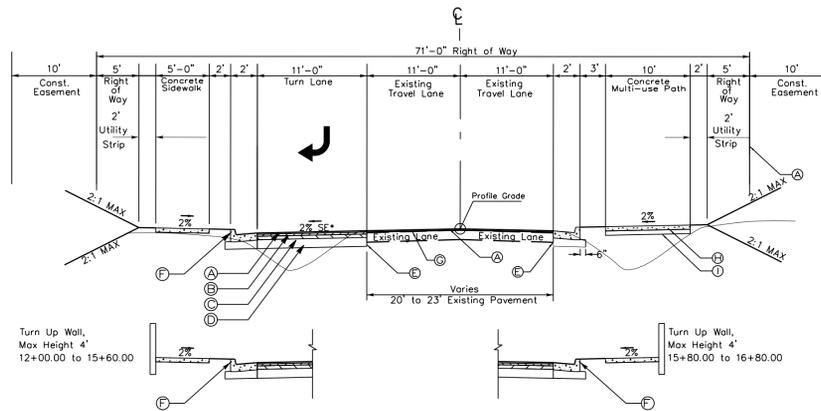


NO SCALE
CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
Item Code 500-9999 - Cu. Yds.

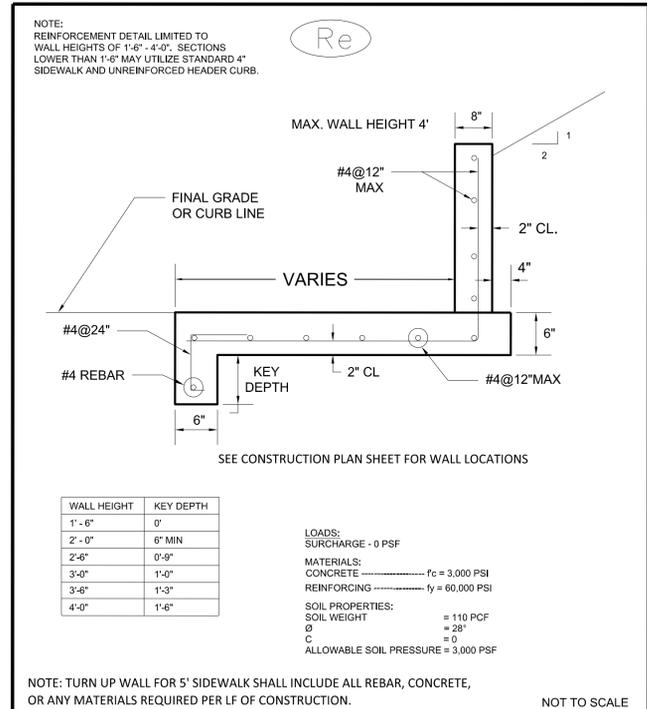
In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".

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



- ① ASPH. CONC. 12.5 mm SUPER PAVE GP2 ONLY, INCL BITUM & H LIME - (165LB/SY)
- ② ASPH. CONC. 19mm SUPER PAVE GP1 or GP2, INCL BITUM & H LIME - (220LB/SY)
- ③ ASPH. CONC. 25mm SUPER PAVE GP1 or GP2, INCL BITUM & H LIME - (550LB/SY)
- ④ GRADED AGGREGATE BASE - 12"
- ⑤ SAWCUT
- ⑥ 24" CONC. CURB & GUTTER (TYPE 2)
- ⑦ ASPH. CONC. LEVELING COURSE (AS REQUIRED)
- ⑧ 4" CONCRETE
- ⑨ GRADED AGGREGATE BASE - 4"
- ⑩ MILL (1.5")



Brookhaven
GEORGIA

CITY OF BROOKHAVEN
PUBLIC WORKS DEPARTMENT
TURN UP WALL DETAIL
FOR 5' SIDEWALK

APRIL 2018

SUPERELEVATION RATE TABLE

BEGIN FULL SUPER	END FULL SUPER	SUPERSUPER RATE
STA. 6+60	STA. 8+93.87	5.50%
STA. 11+93.38	STA. 12+03.64	5.00%
STA. 15+19.81	STA. 16+46.12	3.60%

REVISION DATES

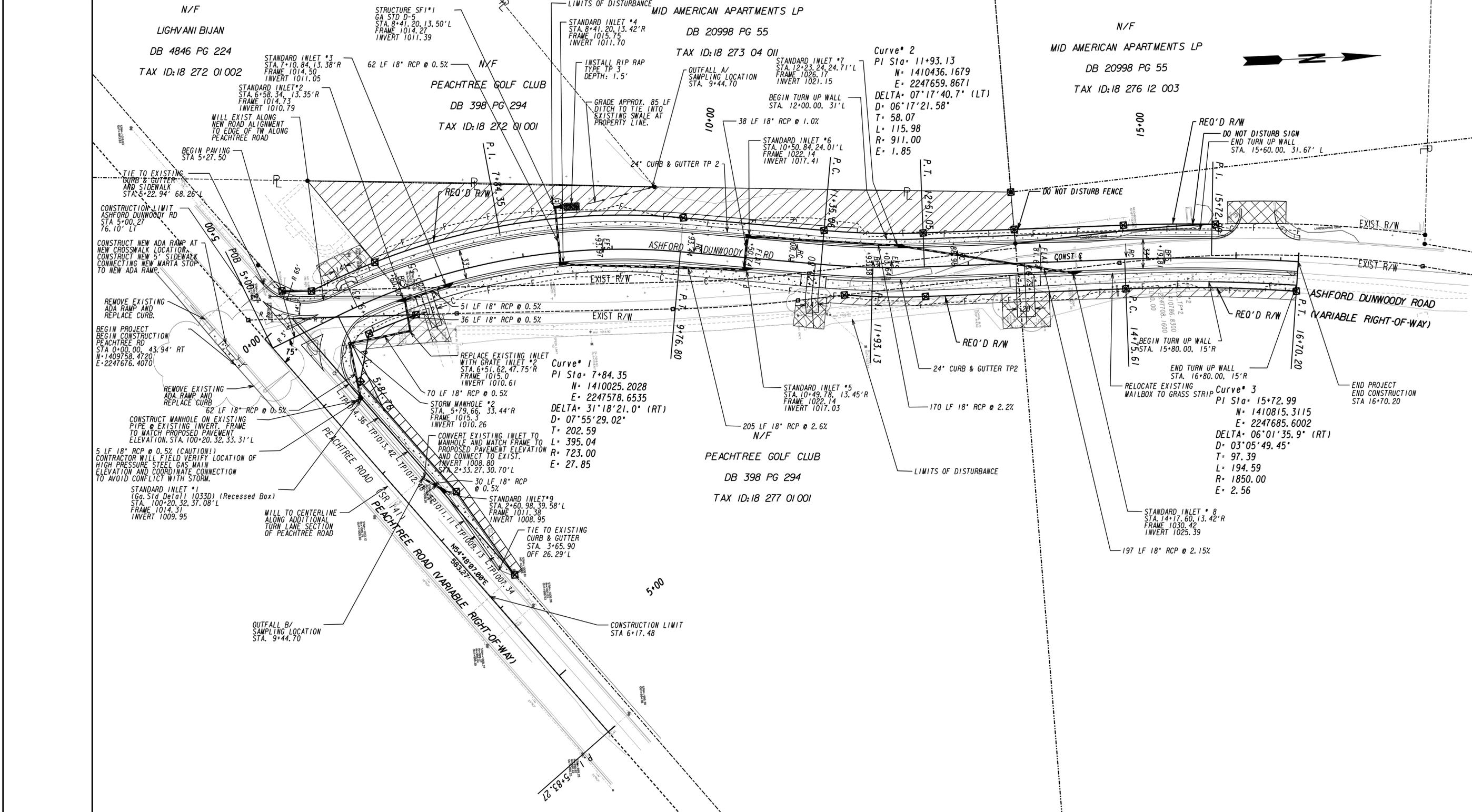
NO.	DATE	DESCRIPTION

TYPICAL SECTIONS

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

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BACKCHECKED:	DATE:	05-0001
CORRECTED:	DATE:	
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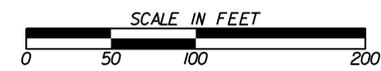
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PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

---@--- 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)

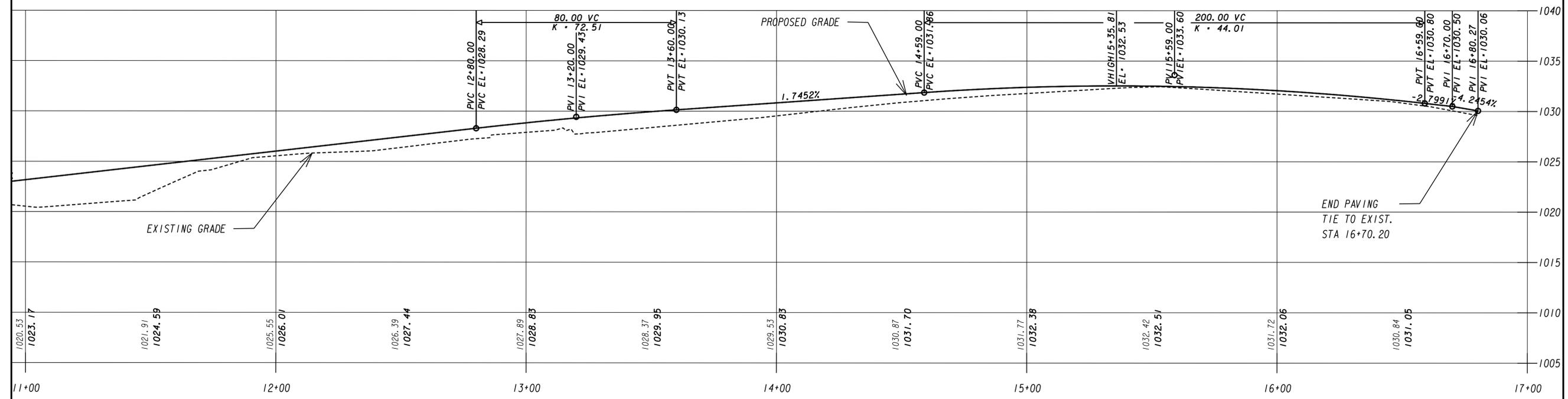
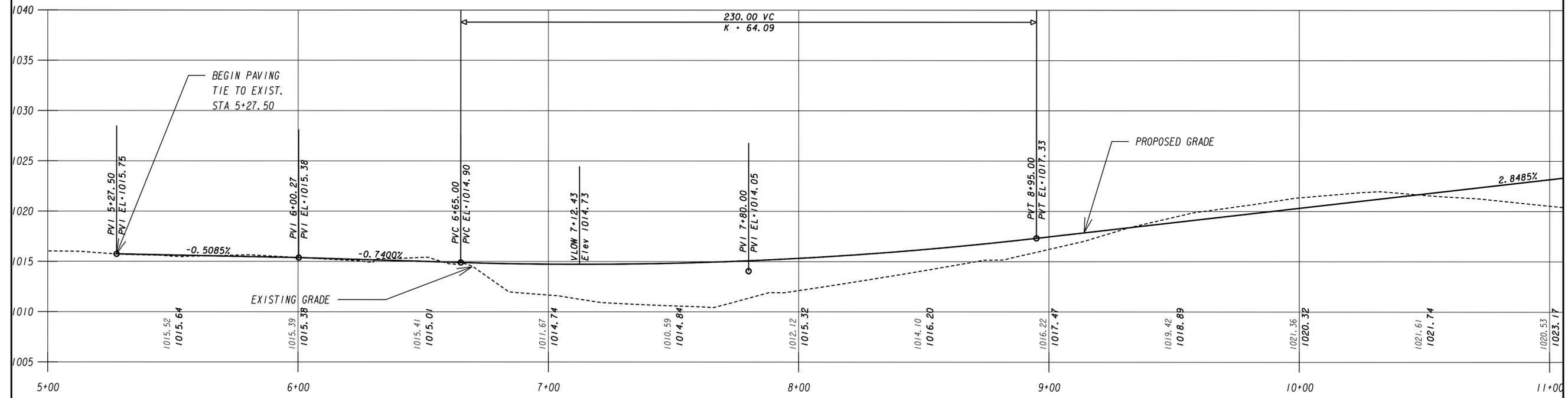
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REVISION DATES	

CONSTRUCTION PLAN
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

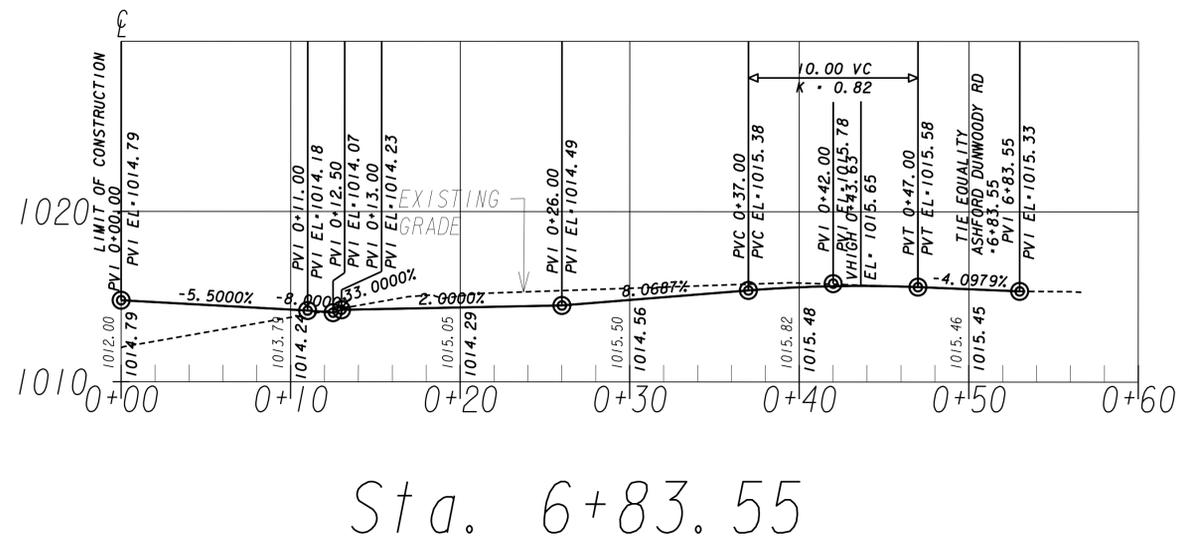
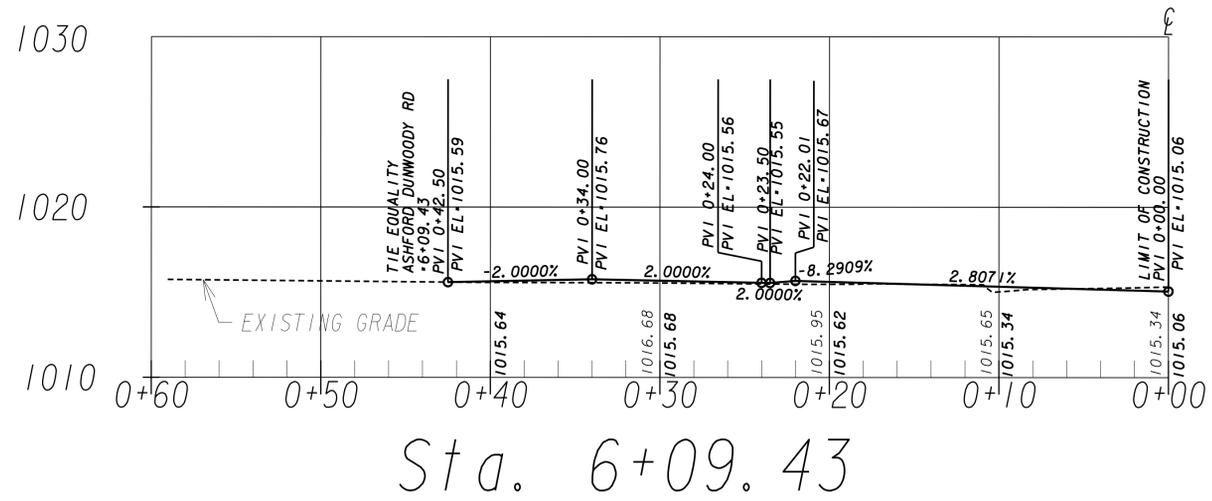
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BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



ROAD PROFILE
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 5'

REVISION DATES	

MAINLINE PROFILE			
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT			
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VERIFIED:		DATE:	
DRAWING No.			15-0001

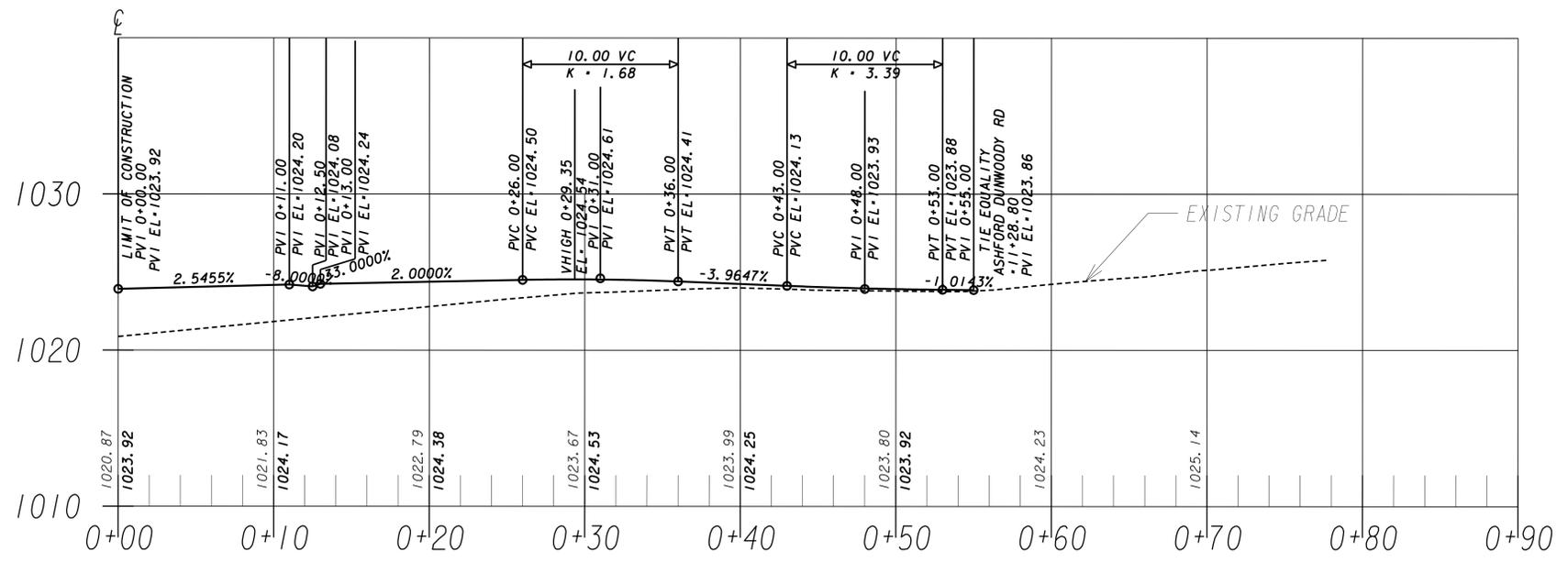


DRIVEWAY PROFILE
SCALE: HORIZ. 1" = 5'
VERT. 1" = 5'

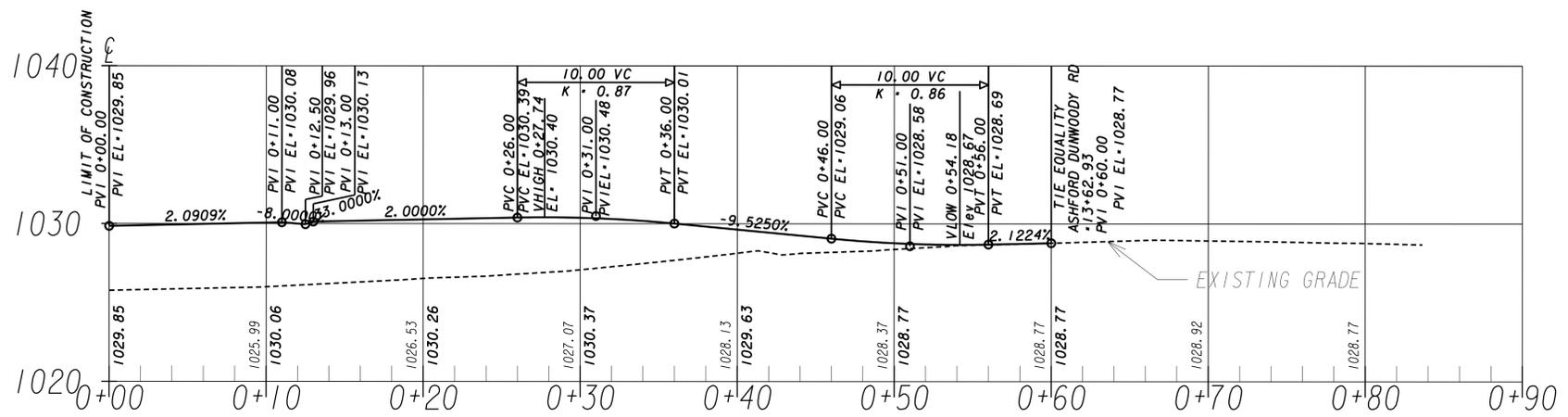
REVISION DATES

DRIVEWAY PROFILE
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

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CORRECTED:		DATE:		
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Sta. 11+28.80



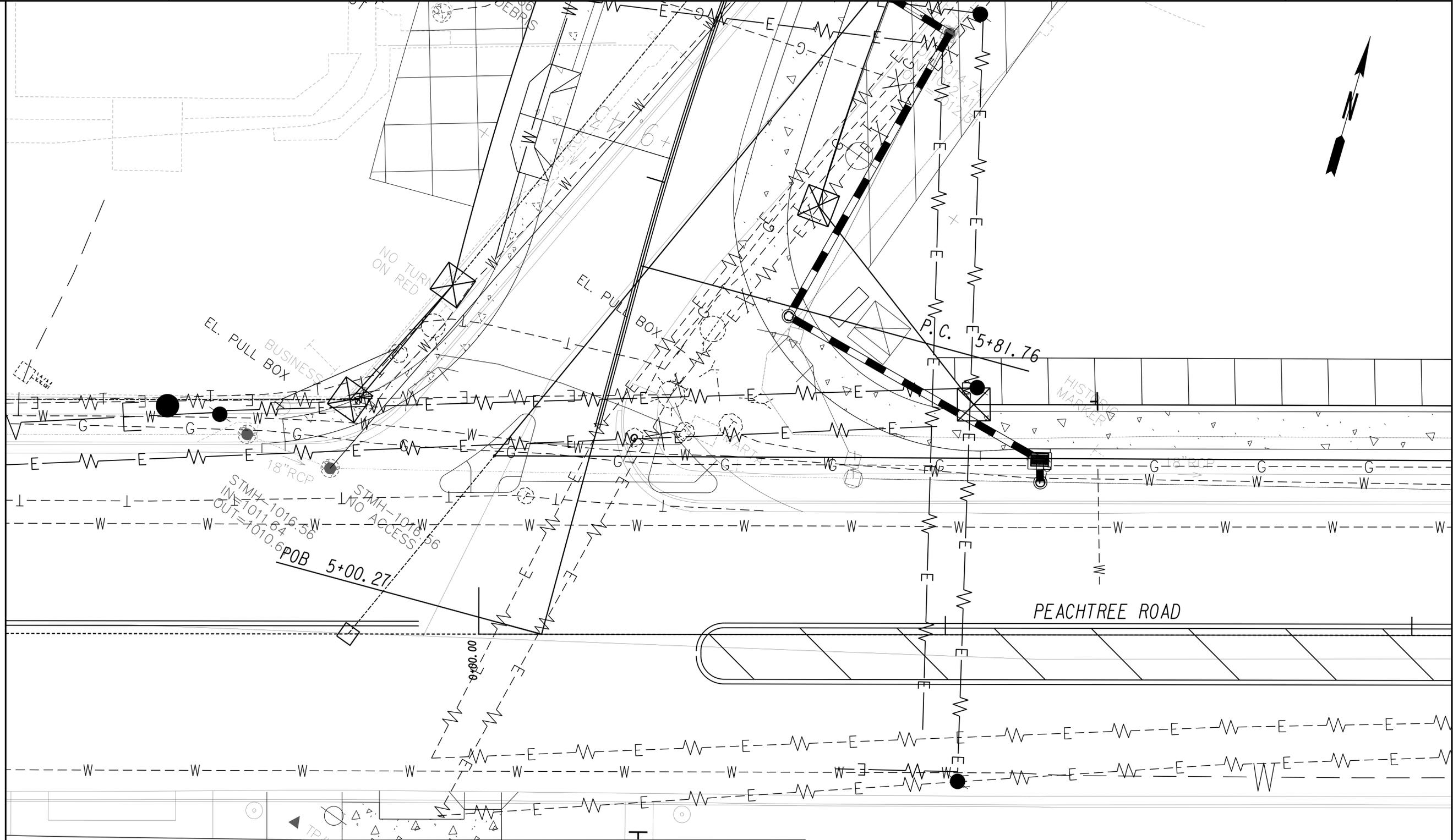
Sta. 13+62.93



DRIVEWAY PROFILE
SCALE: HORIZ. 1" = 5'
VERT. 1" = 5'

REVISION DATES	

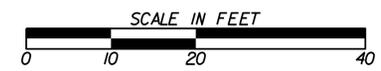
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DRAWING No.			17-0002



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

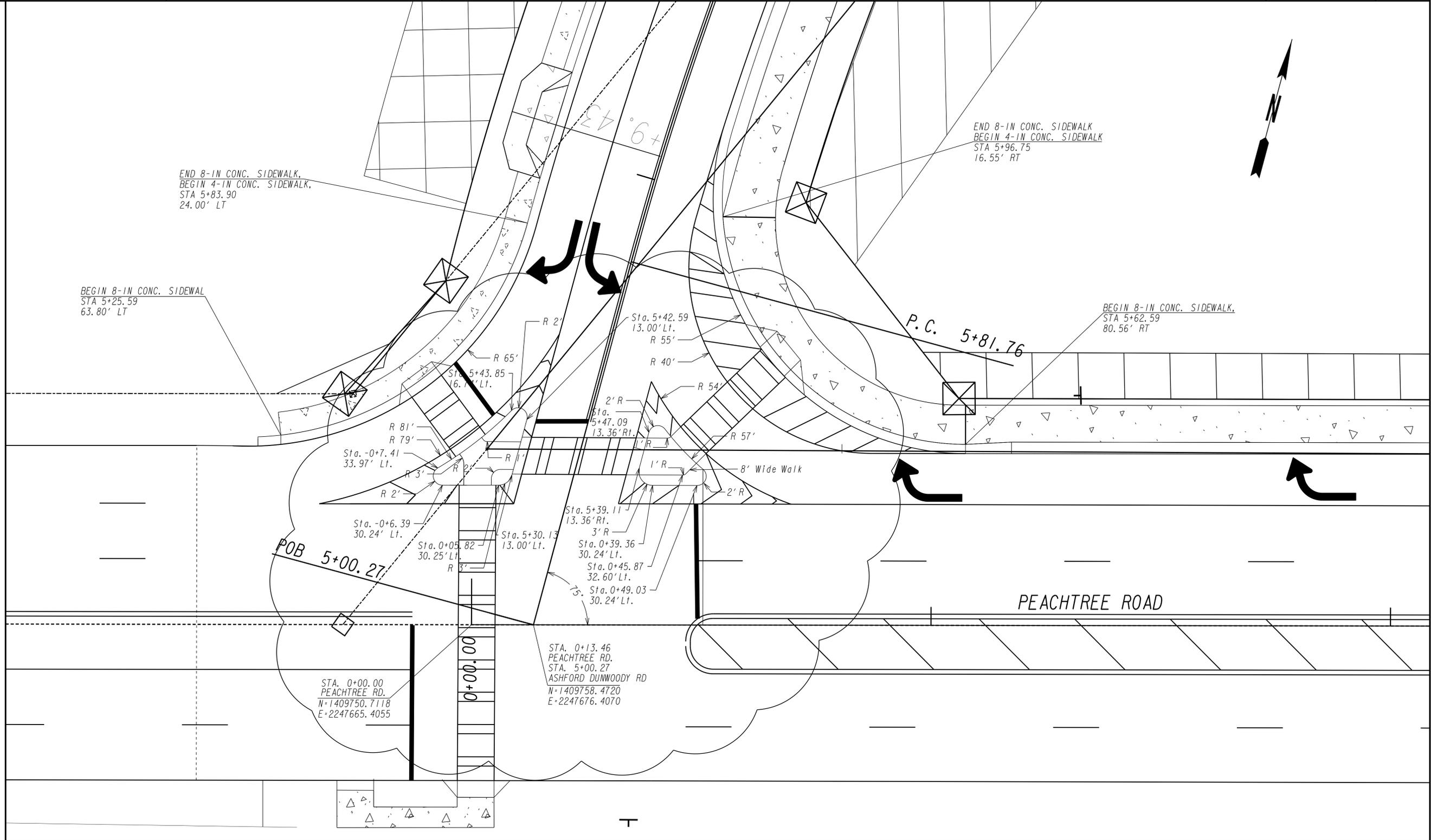
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 ---C---F--- LIMIT OF ACCESS
 ---@--- REQ'D R/W & LIMIT OF ACCESS
 [Hatched Box] ORANGE BARRIER FENCE
 [Cross-hatched Box] ESA - ENV. SENSITIVE AREA
 (SEE ERIT TABLE)

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REVISION DATES	

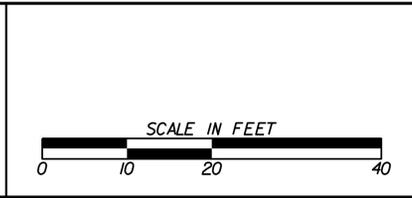
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BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
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PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▧

BEGIN LIMIT OF ACCESS.....BLA	---
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ORANGE BARRIER FENCE	●
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	▼

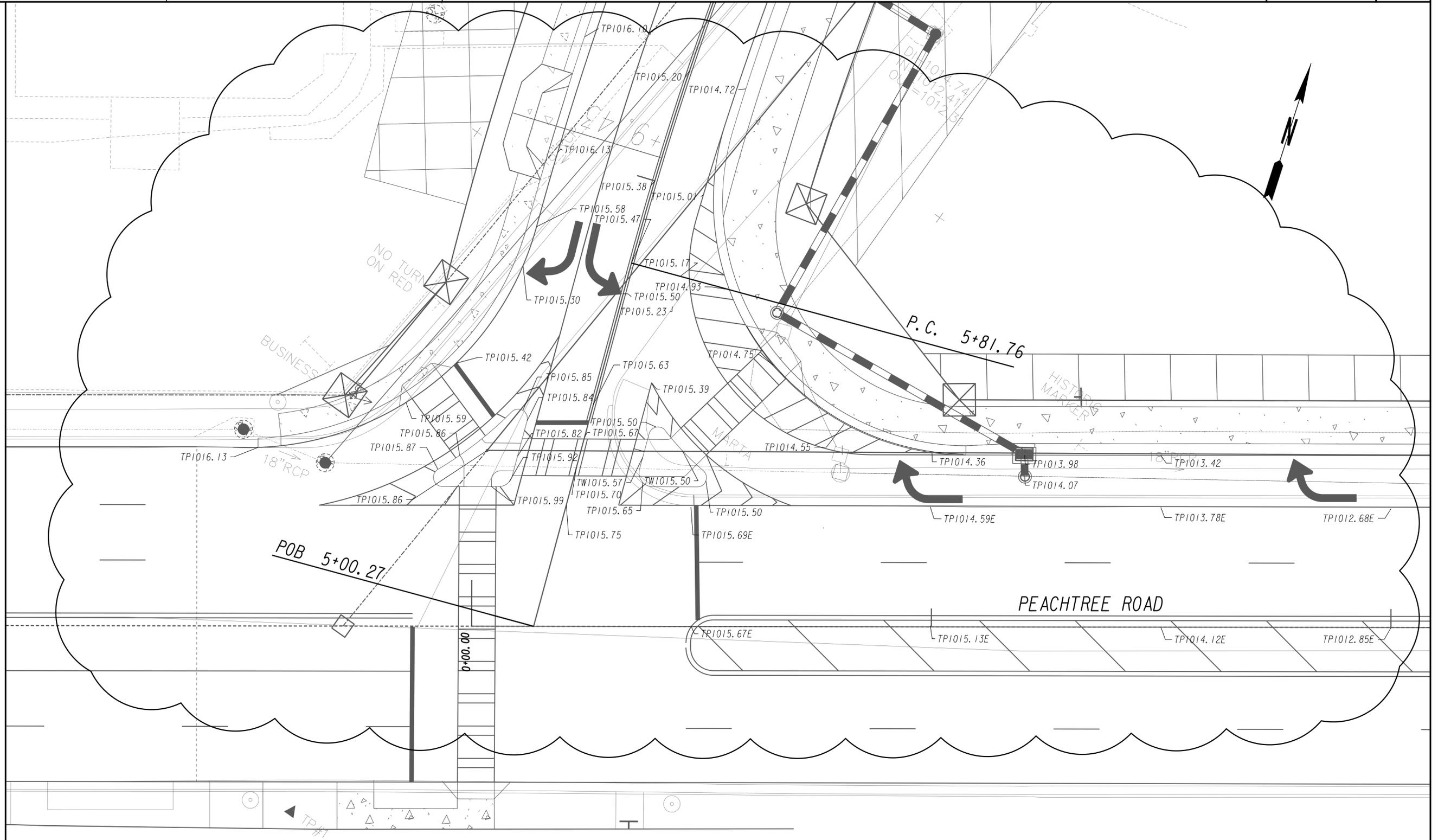
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REVISION DATES	

INTERSECTION ISLAND LAYOUT
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

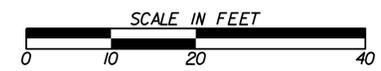
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BACKCHECKED:	DATE:	
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PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

---@--- 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)

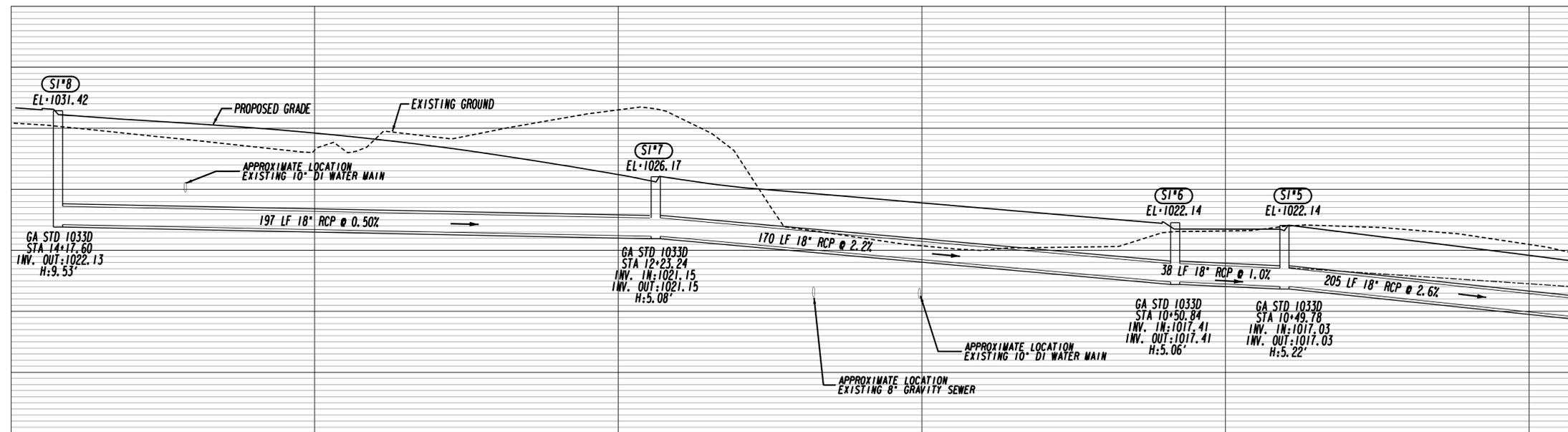
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REVISION DATES	

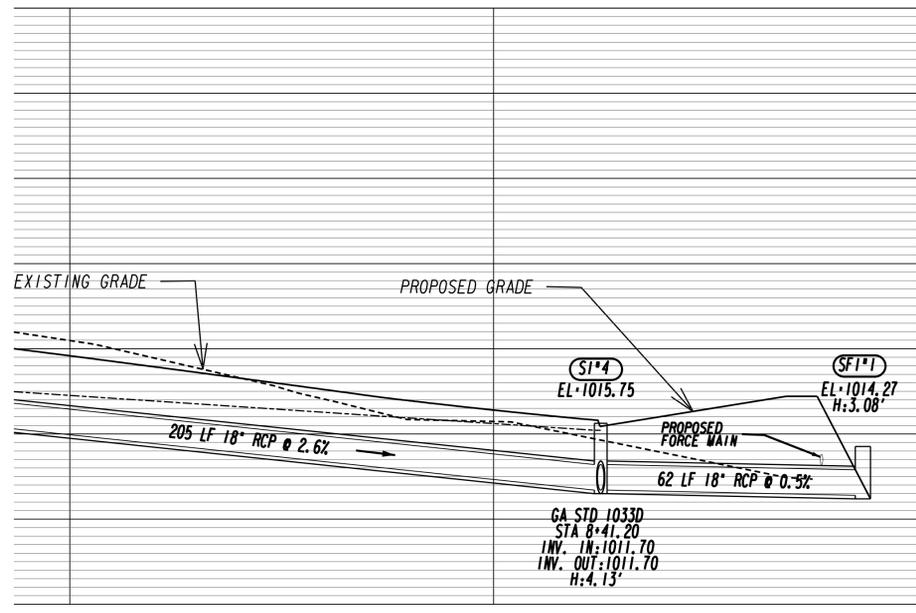
INTERSECTION GRADING			
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD			
INTERSECTION IMPROVEMENT			
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DRAWING No.			18-0003

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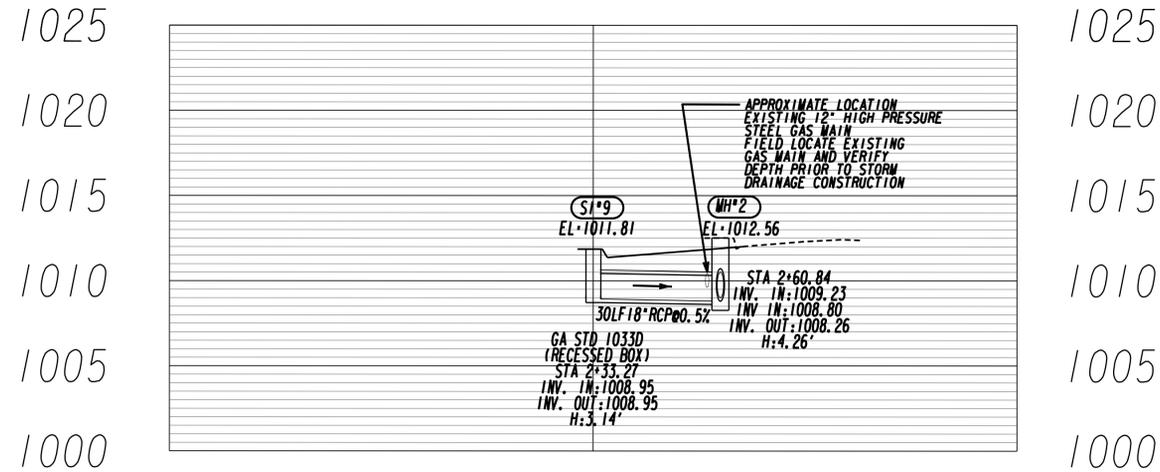
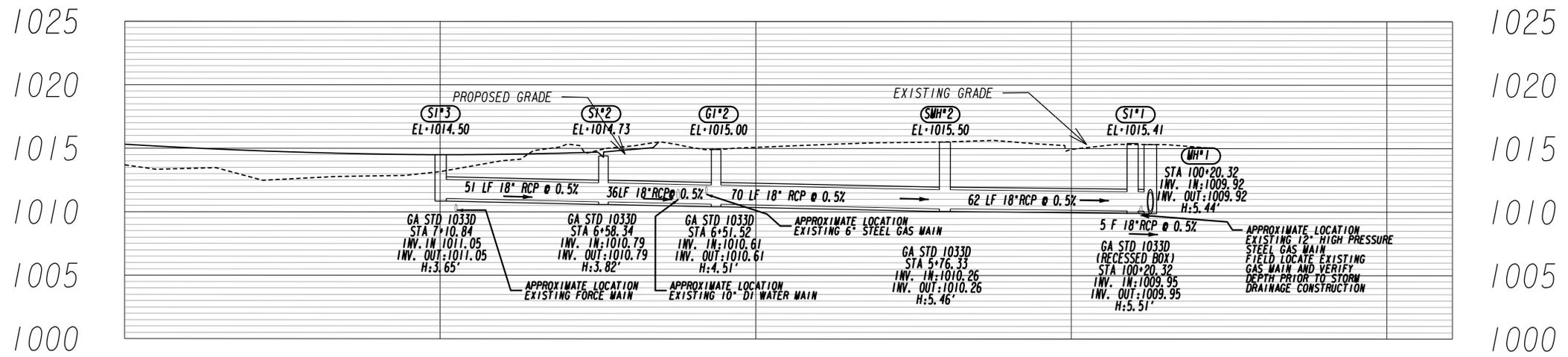
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SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

REVISION DATES	

DRAINAGE PROFILES			
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			22-0001



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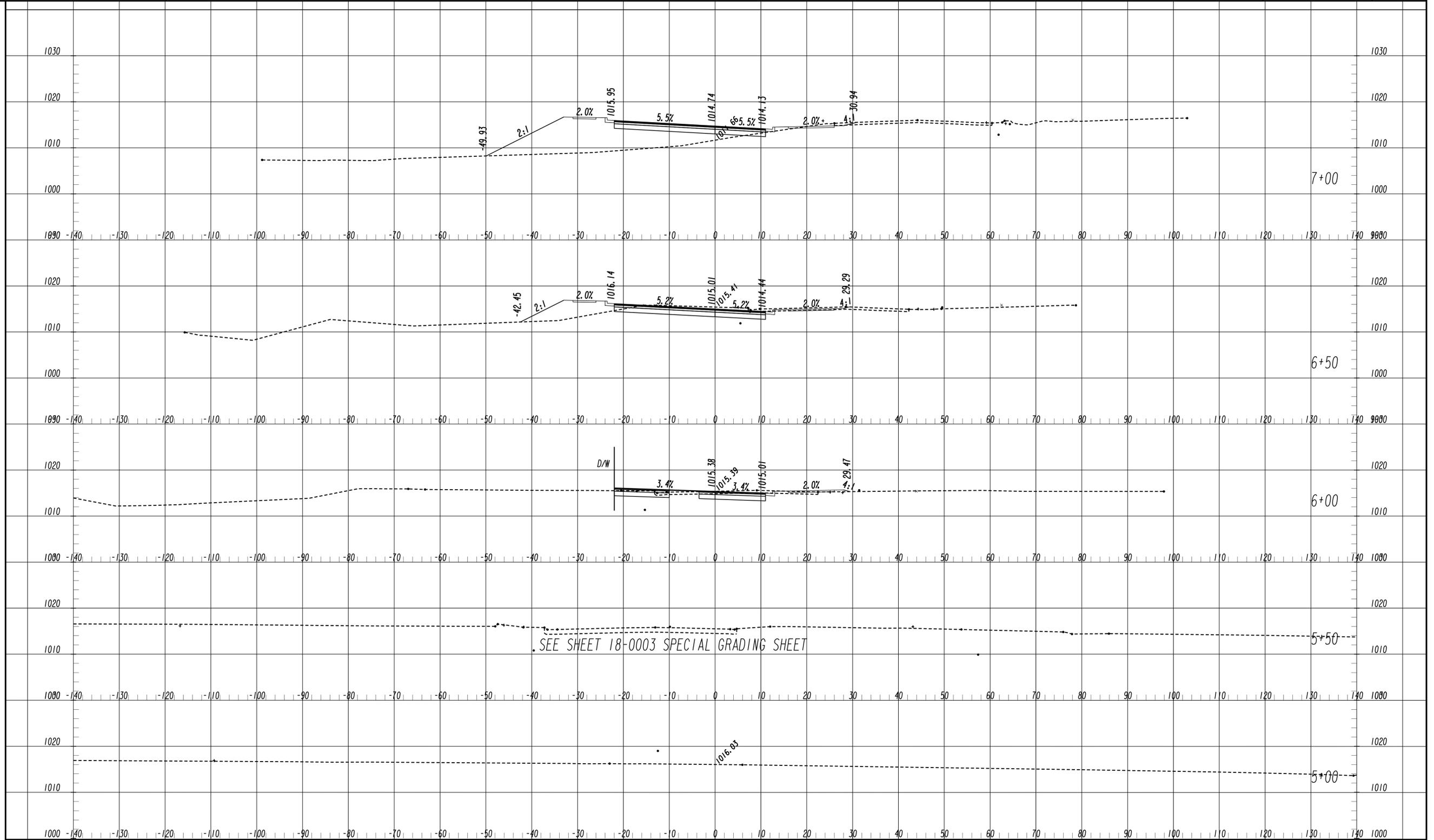
SCALE: HORIZ. 1" = 20'
 VERT. 1" = 5'

REVISION DATES

NO.	DATE	DESCRIPTION

DRAINAGE PROFILES
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	22-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

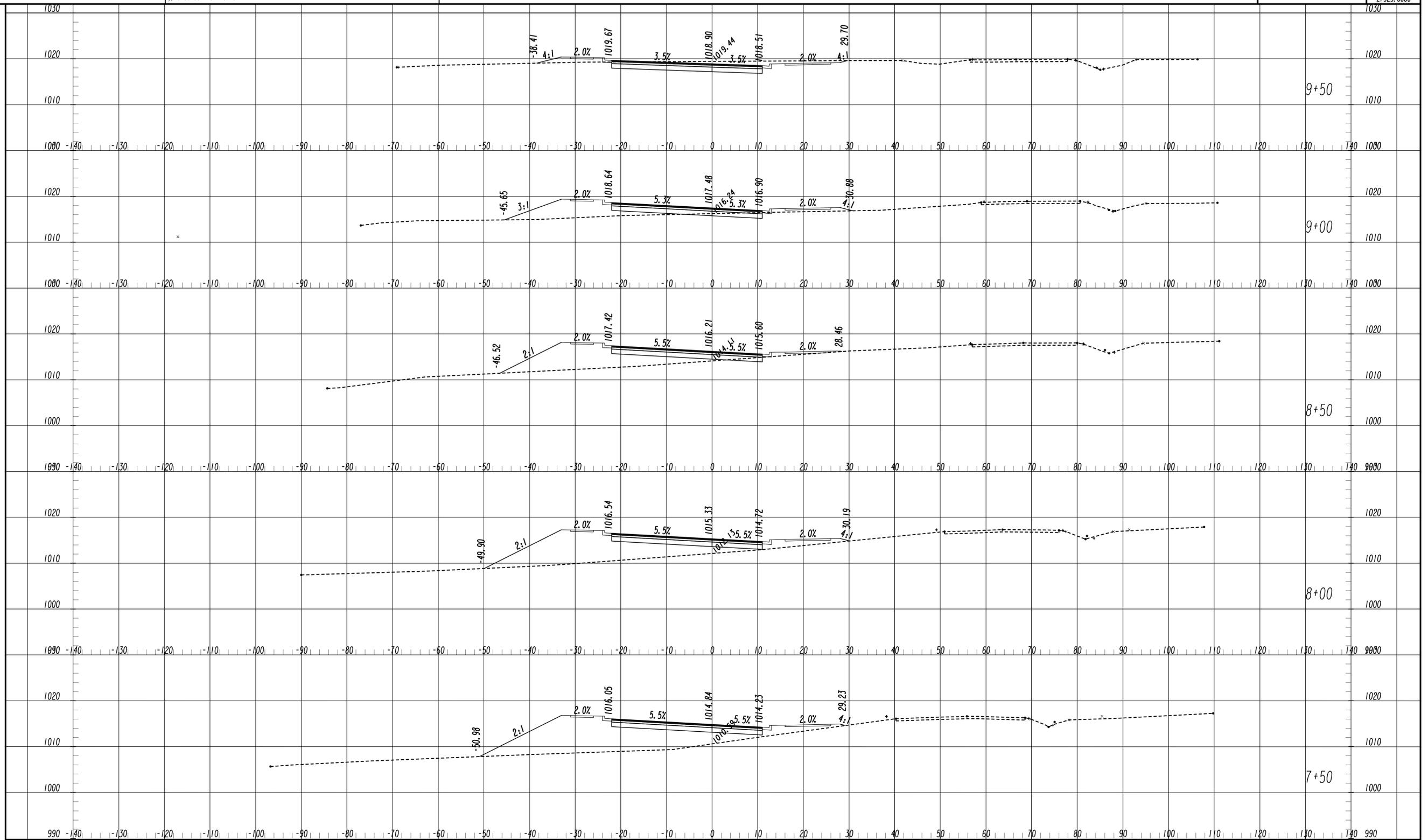
REVISION DATES

NO.	DATE	DESCRIPTION

CROSS SECTIONS

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

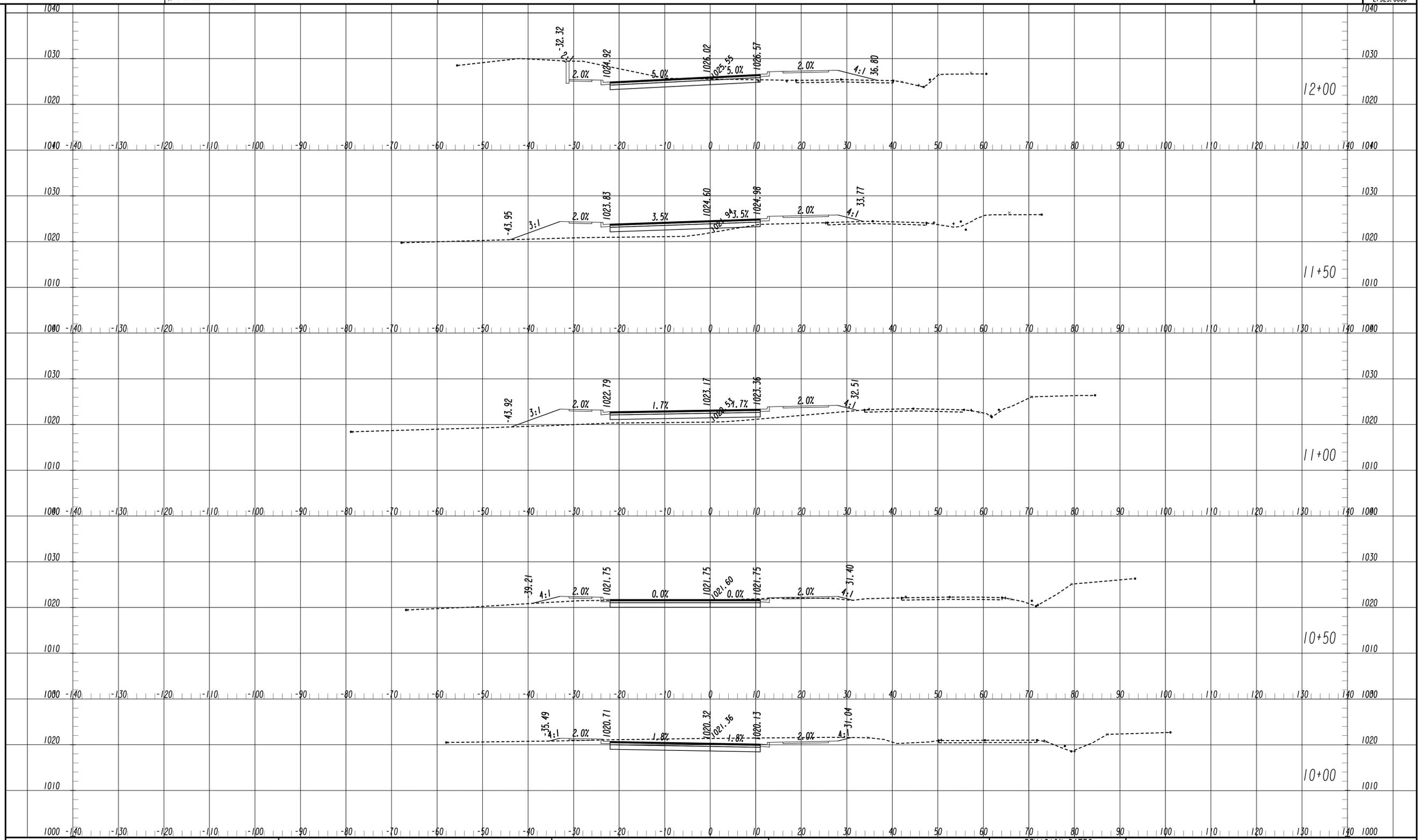


SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

REVISION DATES

CROSS SECTIONS
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. 23-0002
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

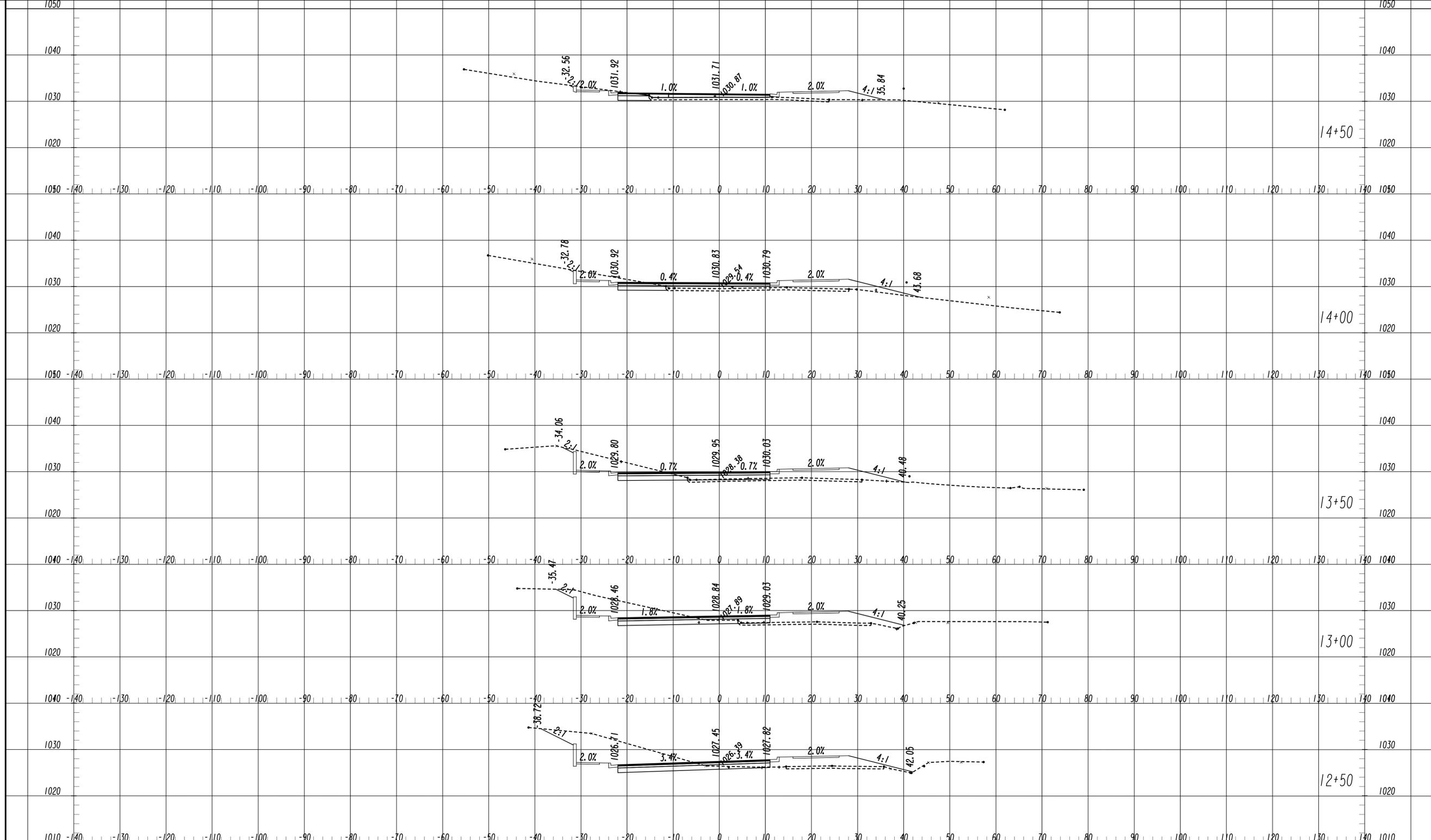
REVISION DATES

NO.	DATE	DESCRIPTION

CROSS SECTIONS

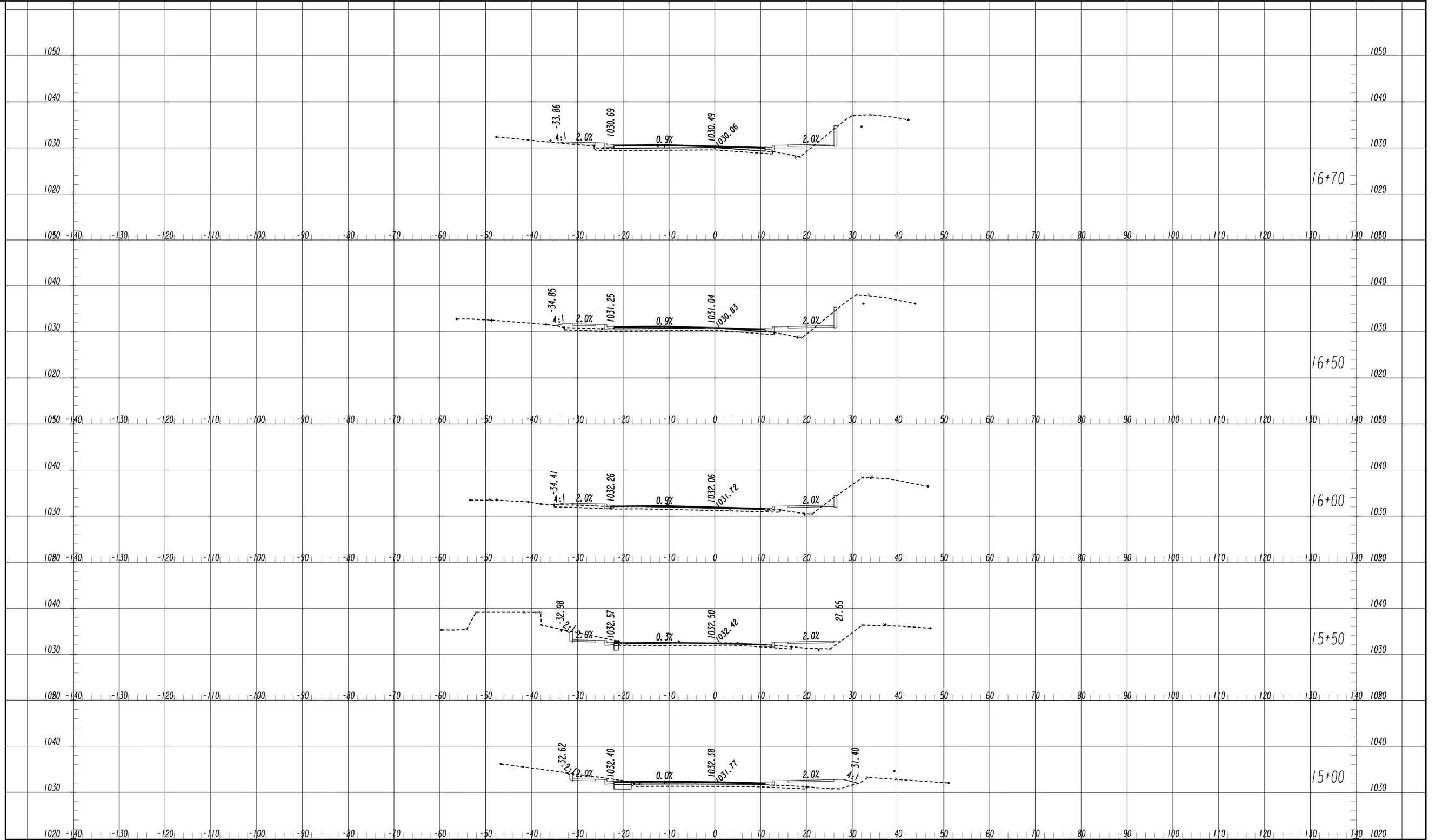
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. 23-0003
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SCALE: HORIZ. 1" = 10'
 VERT. 1" = 10'

REVISION DATES		CROSS SECTIONS	
		ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	23-0004	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

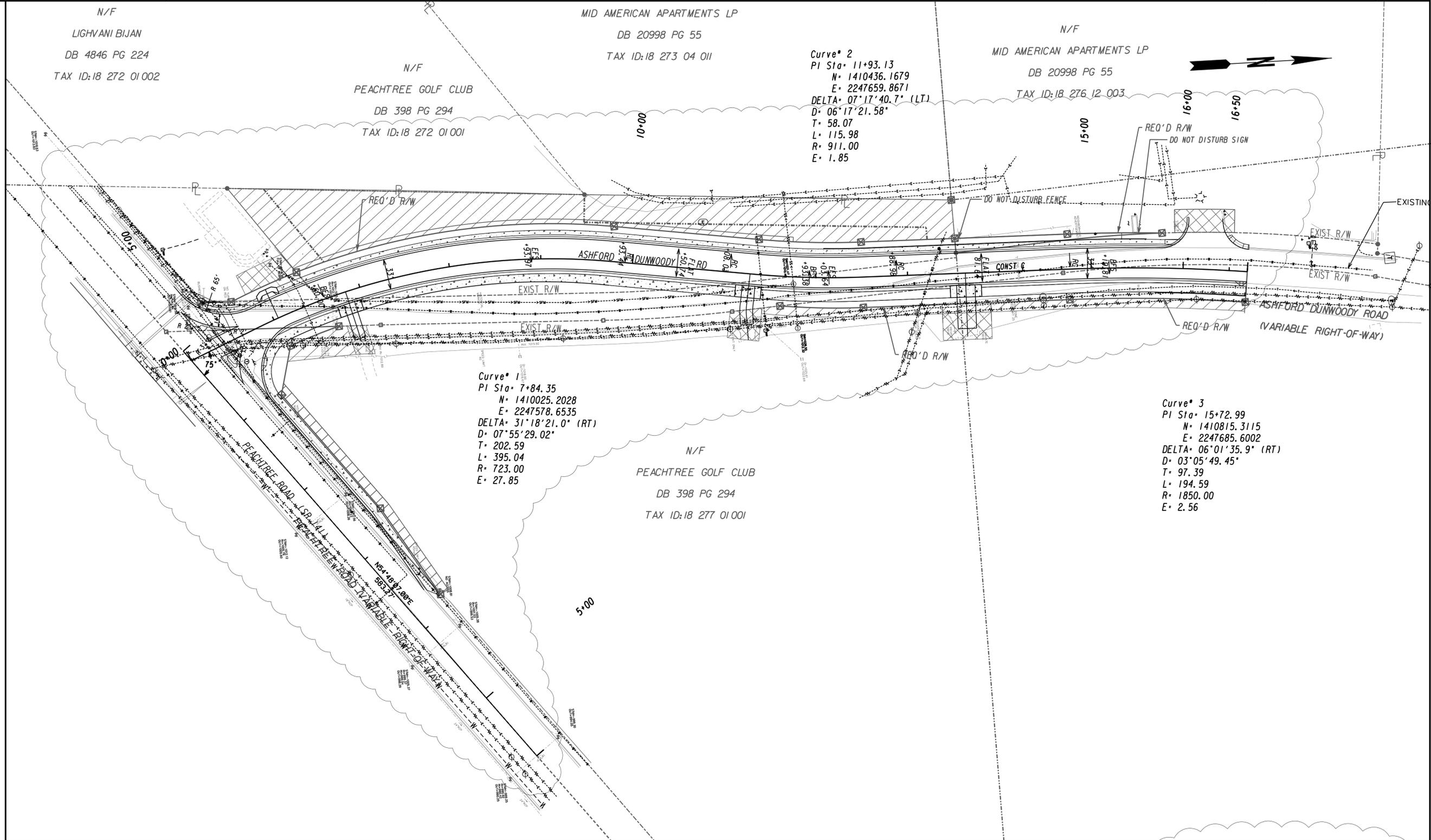
REVISION DATES

NO.	DATE	DESCRIPTION

CROSS SECTIONS

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

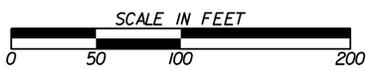
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VERIFIED:	DATE:	



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
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 (SEE ERIT TABLE)

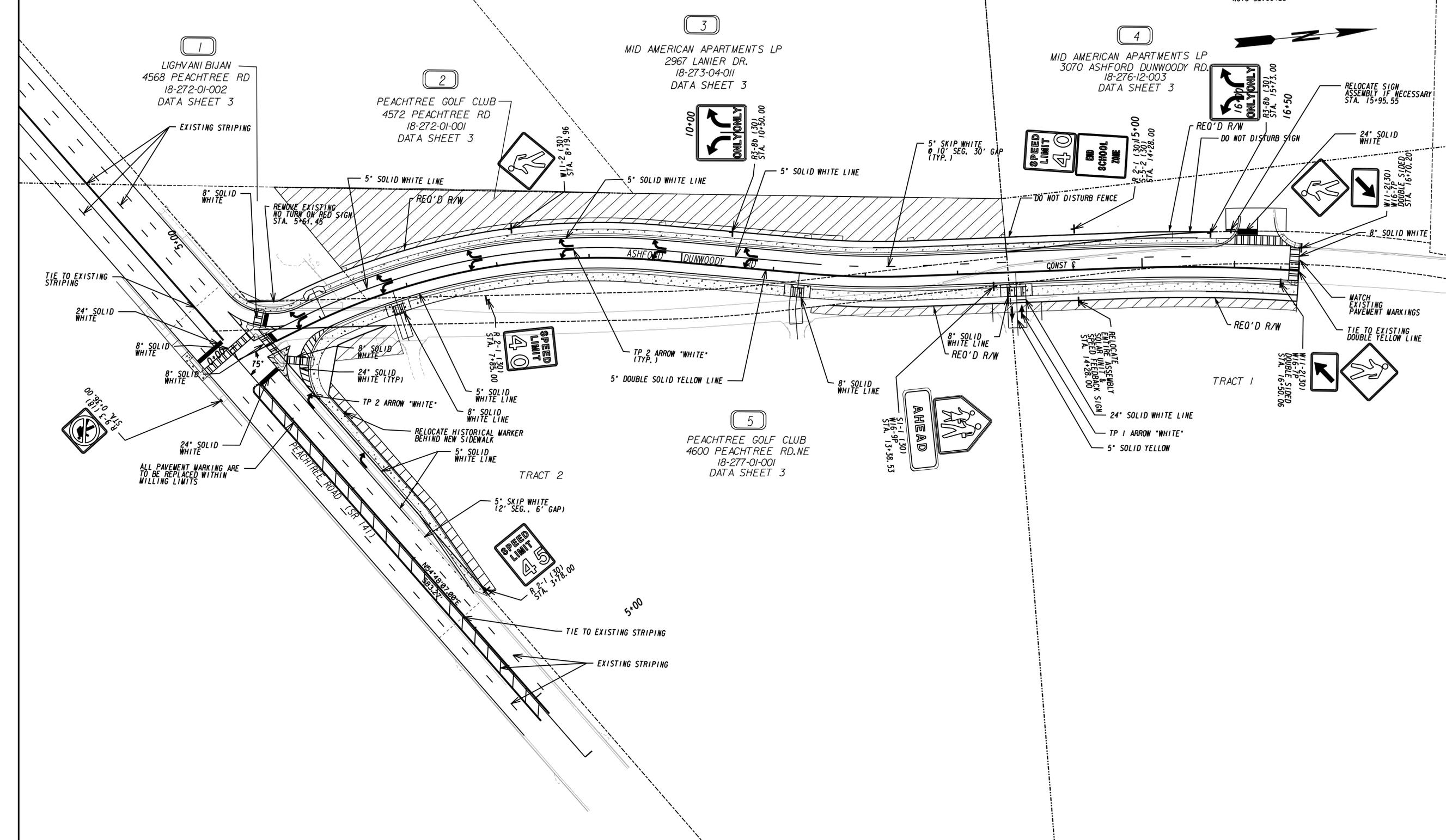
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REVISION DATES	
09/13/19	

EXISTING UTILITY PLAN
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



 THOMAS & HUTTON Peachtree Road • Suite 175 Atlanta, GA 30341 • 470.893.1698 www.thomasandhutton.com	SCALE IN FEET 	REVISION DATES <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">06/27/19</td><td style="width: 50%;"></td></tr> <tr><td>06/10/2020</td><td></td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	06/27/19		06/10/2020								SIGNING AND MARKING PLANS ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT
	06/27/19												
06/10/2020													
CHECKED: _____ DATE: _____ BACKCHECKED: _____ DATE: _____ CORRECTED: _____ DATE: _____ VERIFIED: _____ DATE: _____	DRAWING No. 26-0001												

332 CABINET INPUT ASSIGNMENT

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

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	IVDS 1			IVDS 2			IVDS 4					DC ISO		DC ISO
CHANNEL 1	CI PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION			02A			04A						02 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	CI PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION			02B			04B						04 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	IVDS 6													
CHANNEL 1	CI PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION	01	06A												
	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	CI PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION		06B												
	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

SIGNAL QUANTITIES - 2070

LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION

ITEM	MATERIALS	UNIT	QUAN
	CONTROLLER/CABINET ASSEMBLIES		
	A. CONTROLLER UNIT, MODEL 2070	EA	1
	B. CABINET ASSEMBLY, MODEL 332 AUX FILE	EA	1
	C. SWITCH PACK	EA	7
	D. DC ISOLATOR	EA	3
	E. 2010 CONFLICT MONITOR, EXTENDED FEATURES	EA	1
	F. BATTERY BACKUP SYSTEM		
	1. EXTERNAL MOUNTED	EA	1
	LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT)		
	A.3 PAIR 18 AWG	RL	2
	SIGNAL CABLE (14 AWG)		
	A.7 CONDUCTOR, PER 1000 FT	RL	2
	3-SECTION, 12" SIGNAL HEAD, LED, BLACK HOUSING W/BLACK FRONT, PLASTIC	EA	2
	4-SECTION, 12" SIGNAL HEAD, LED, BLACK HOUSING W/BLACK FRONT, PLASTIC	EA	1
	BACK PLATE FOR ONE-WAY, 3-SECTION, 12 IN SIGNAL HEAD	EA	2
	BACK PLATE FOR ONE-WAY, 4-SECTION, 12 IN SIGNAL HEAD	EA	1
	18" COUNTDOWN PEDESTRIAN LED SIGNAL HEAD - TYPE 1	EA	6
	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND SIGN	EA	2
	RESET EXISTING D3-1#1 SIGN	EA	2
	HARDWARE FOR MASTARM ERECTION	EA	1
	HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE WAY BRACKET ASSEMBLY	EA	3
	HARDWARE FOR SIDE-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	2
	PEDESTRIAN PEDESTAL POLE, W/BASE	EA	4
	PEDESTAL POLE, W/BASE	EA	1
	PULL BOX, TP-2	EA	4
	PULL BOX, TP-3	EA	2
	RETURN EXISTING UNUSED SIGNAL EQUIPMENT TO GDOT	LS	LUMP
	CONDUIT, 1" GALVANIZED RIGID STEEL	LF	30
	CONDUIT, TP2 1 IN	LF	40
	CONDUIT, TP2 2 IN	LF	175
	R560-5, STOP FOR PEDESTRIANS, WITH POST	EA	1
	REMOVE CONFLICTING PAVEMENT MARKINGS	LS	LUMP
	MISC MATL TO COMPLETE INSTALLATION	LS	LUMP
	ADJUST RADAR AND CAMERA DETECTION ZONES	LS	LUMP
	PEDESTRIAN PUSH BUTTON	EA	6

SIGNAL QUANTITIES - PAY ITEMS

ITEM	MATERIALS	UNIT	QUAN
647-1000	TRAFFIC SIGNAL INSTALLATION	EA	1
615-1200	DIRECTIONAL BORE, 3"	LF	420'
639-3004	STEEL STRAIN POLE, TP IV (W/45 FT MAST ARM AND LUMINAIRE ARM)	EA	1
937-6051	INTERSECTION VIDEO DETECTION SYSTEM, TYPE B	EA	1
682-6223	CONDUIT, NONMETAL TP 3, 2IN	LF	1215'

NOTE: QUANTITIES ARE FOR INFORMATION ONLY. THE CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS.



REVISION DATES

SIGNAL PLANS

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. CURRENT EDITION.
2. ALL TRAFFIC CONTROL, SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS CURRENT EDITION.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER 48 HOURS IN ADVANCE OF ALL REQUIRED TESTS AND OBSERVATIONS.
4. CONTRACTOR IS TO VERIFY ACCURACY OF ANY TEMPORARY BENCHMARKS SHOWN PRIOR TO UTILIZING THEM FOR CONSTRUCTION.
5. THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWING 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 THOMAS & HUTTON.
6. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.
7. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.
8. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN THE VICINITY OF NEW TRAFFIC SIGNAL POLES BEFORE INSTALLATION. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS, (UP TO A MAXIMUM OF 5 FEET), IN LOCATION OF NEW SIGNAL POLES, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS.
9. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS FROM NOTICE TO PROCEED UNTIL FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNALS AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATIONS REQUIRED BY THE PROJECT DURING THE INTERM THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE.
10. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE STEPS TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
12. SIGNAL TIMING SHALL BE INSTALLED AT TIME OF CONSTRUCTION BY A LICENSED SIGNAL TIMING ENGINEER. SIGNAL TIMING SHALL BE REVIEWED AND APPROVED BY THE DEPARTMENT PRIOR TO INSTALLATION.
13. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER/CITY OF BROOKHAVEN PRIOR TO FINAL ACCEPTANCE. NOTIFICATION OF REQUEST FOR INSPECTION MUST BE SENT IN WRITING OR VIA EMAIL TO DISTRICT SIGNAL ENGINEER AT *GEORGIA DEPARTMENT OF TRANSPORTATION, 5025 NEW PEACHTREE ROAD, CHAMBLEE, GEORGIA 30341, ATTN: DISTRICT SIGNAL ENGINEER* A MINIMUM OF ONE WEEK PRIOR TO DATE OF INSPECTION.
14. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE DEPARTMENT OF TRANSPORTATION OFFICE DISTRICT SIGNAL SHOP. THE CONTRACTOR IS TO CONTACT THE DISTRICT SIGNAL ENGINEER TO SCHEDULED DELIVERY OF EXISTING TRAFFIC SIGNAL EQUIPMENT.
15. FOR STRAIN POLE FOUNDATION SIZE AND ENFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
16. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE DOT SPECIFICATIONS.
17. ALL EXISTING STOP BARS, WORDS, ARROWS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS.
18. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLE ARE PROVIDED AS A GENERAL GUIDELINES TO INSTALLER. ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.
19. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSING, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED, DUE TO CONTRACTOR'S ACTIVITY.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL PERTINENT EROSION CONTROL MEASURES TO ENSURE COMPLIANCE TO ALL STATE AND FEDERAL LAWS AND GUIDELINES. THESE MEASURES SHALL BE IMPLEMENTED AND MAINTAINED FOR THE DURATION OF THE WORK. THE COST SHALL BE CONSIDERED INCIDENTAL AND BE INCLUDED IN THE OVERALL BID PRICE. NO ADDITIONAL PAYMENTS SHALL BE MADE TO THE CONTRACTOR FOR EROSION CONTROL.
21. ALL TRAFFIC MARKING, SYMBOLS OR STRIPING TO BE REMOVED AND/OR REPLACED SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING EXISTING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNAL, VIDEO DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.
23. LOOP HOME RUNS, DO NOT USE LOOP SEALANT IN SIDEWALKS OR CURB AND GUTTER LOCATIONS, INSTALL A CONTINUOUS RUN OF SOFTROD/BACKER ROD.
24. ALL SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PEDESTRIAN PUSH BUTTON STATIONS AND PEDESTRIAN SIGNAL MOUNTING HARDWARE IS TO BE BLACK. STRAIN POLES AND MAST ARMS ARE TO BE POWDER COAT "BLACK" FINISH.

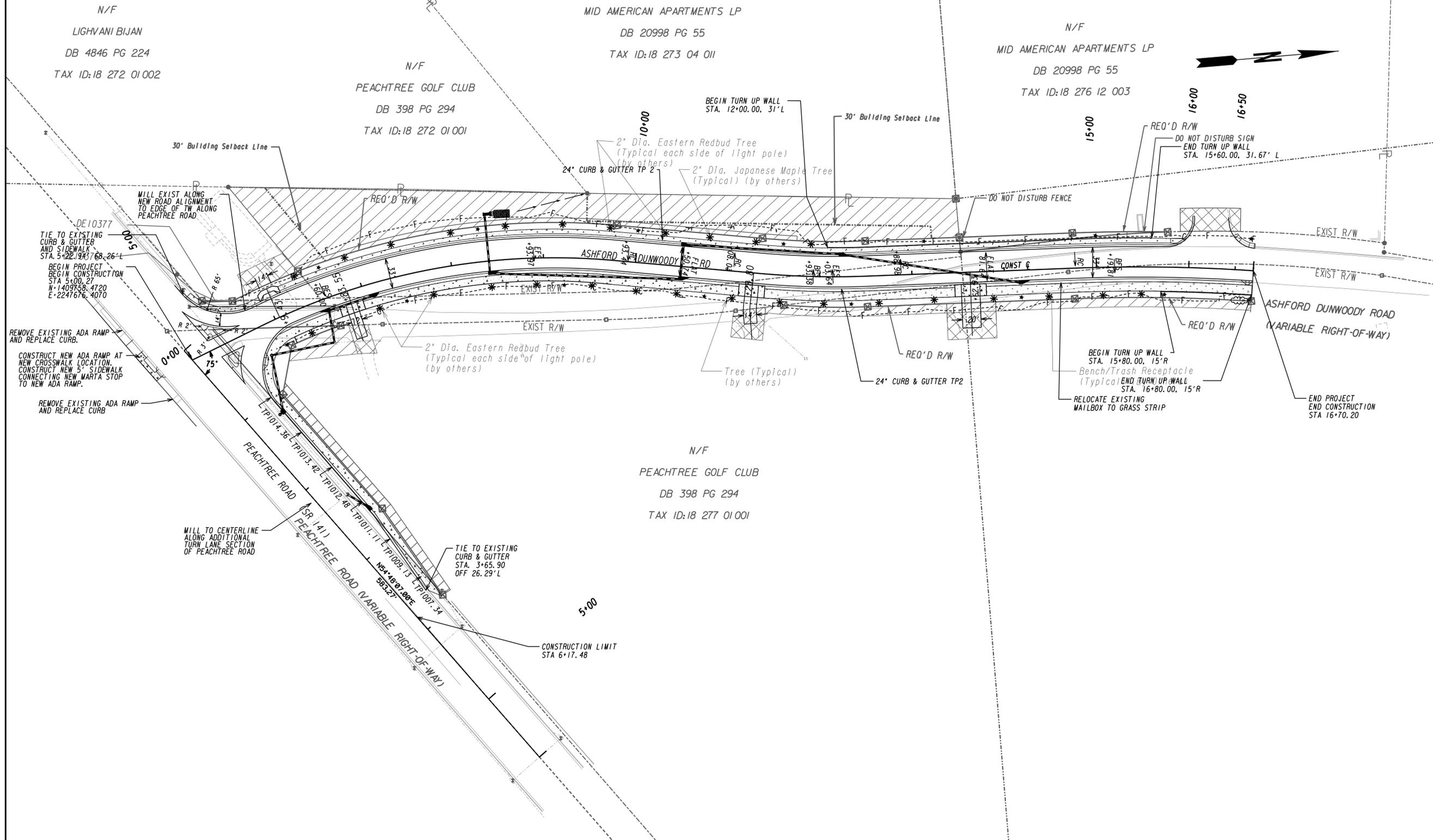


REVISION DATES

SIGNAL PLANS

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENT

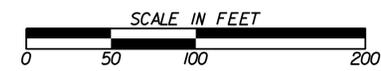
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VERIFIED:	DATE:	



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)

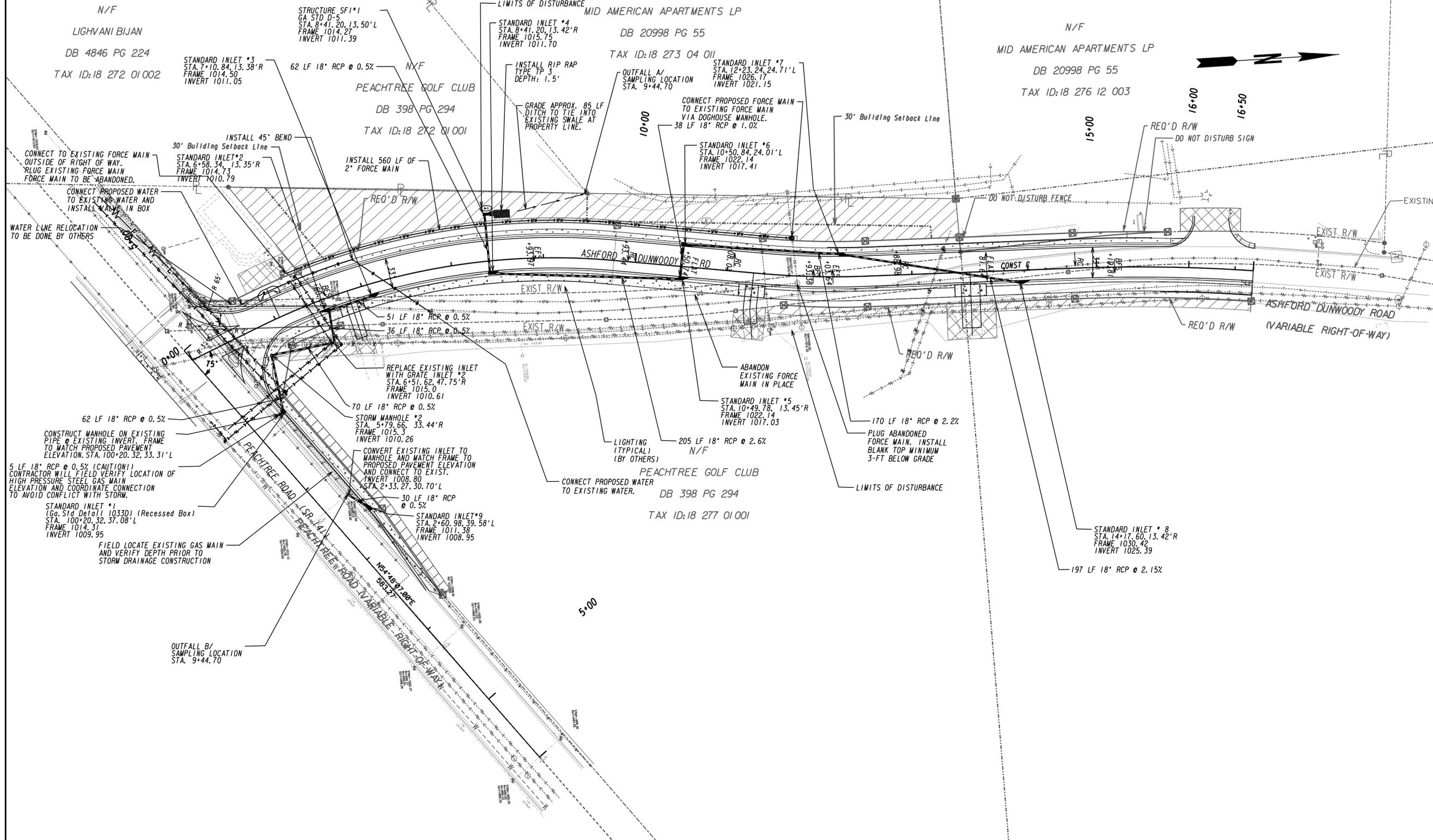
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REVISION DATES	

LANDSCAPING PLANS
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

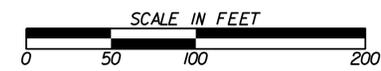
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VERIFIED:	DATE:	



PROPERTY AND EXISTING R/W LINE
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 (SEE ERIT TABLE)

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REVISION DATES	
06/27/19	

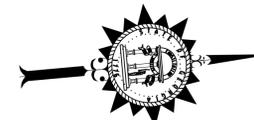
UTILITY RELOCATION PLAN
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	44-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT PROJECT # MTOI

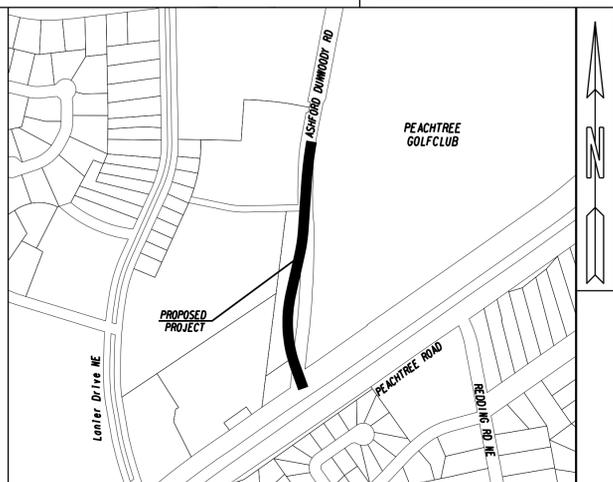
EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

PREPARED FOR:
**THE CITY OF BROOKHAVEN
DEKALB COUNTY**



BEGIN-POINT COORDINATES
Longitude: -84.327872
Latitude: 33.875353

END-POINT COORDINATES
Longitude: -84.327722
Latitude: 33.878578



LOCATION SKETCH

JOB NO. 27323.000

**BEGIN PROJECT
BEGIN CONSTRUCTION**
PEACHTREE RD
STA 0+00.00,
Latitude: 33.875189
Longitude: -84.327947

Construction Exit #1
Latitude: -33.875736
Longitude: -84.327964

Construction Exit #2
Latitude: 33.877544
Longitude: -84.327844
SEE SHEET 54-0001 FOR
EXIT LOCATIONS

PRIMARY PERMITTEE

CITY OF BROOKHAVEN
4362 Peachtree Rd.
Brookhaven, Georgia 30319
Phone: (404) 637-0724
E-mail: kevin.korth@brookhavenga.gov

DISTURBED AREA = 3.33 AC.

24 HOUR CONTACT:

BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH
Name

CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319
City, State Zip

(404) 637-0540 Phone Number
kevin.korth@brookhavenga.gov Email

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



Know what's Below.
Call before you dig.

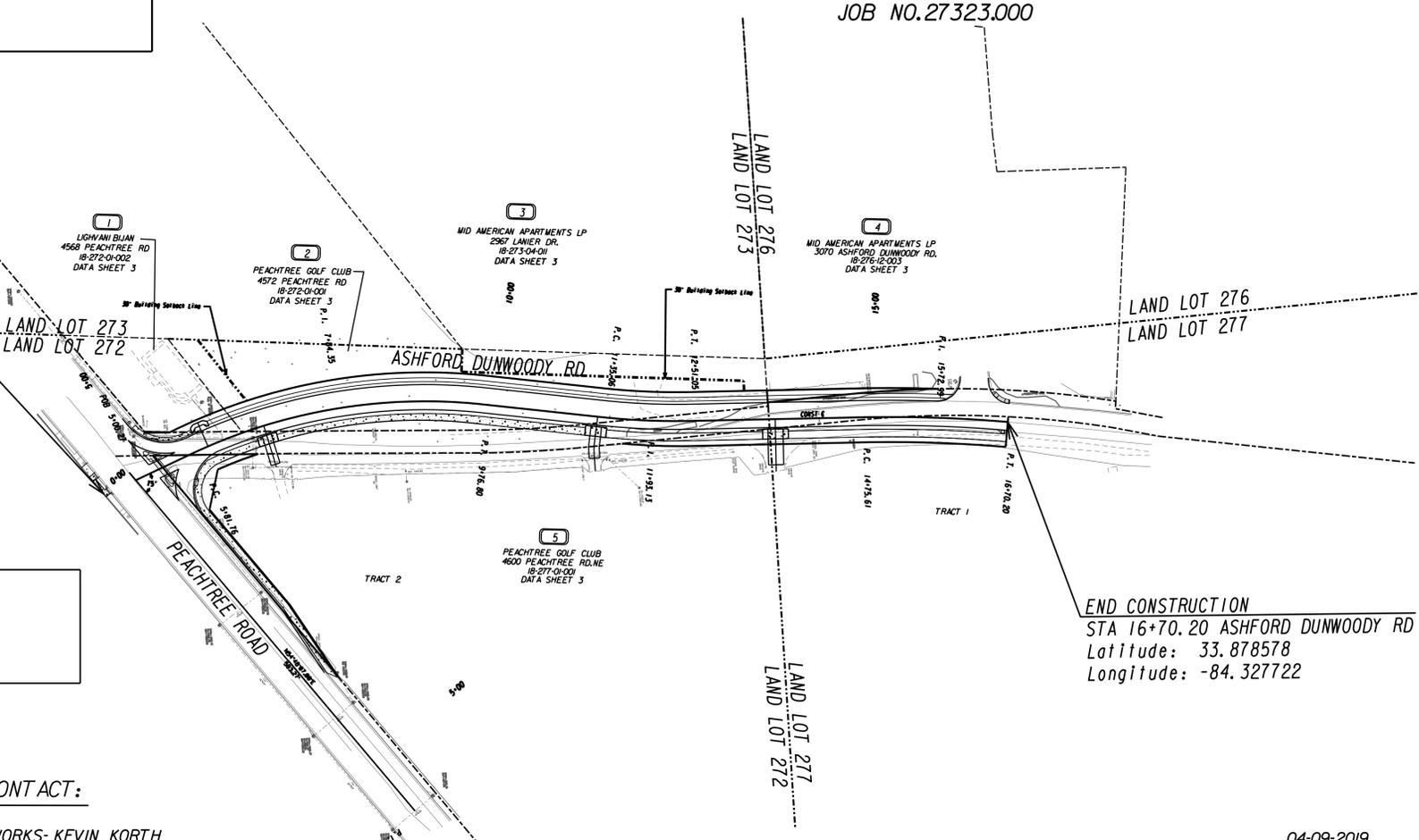
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OR CALL (800) 282-7411



GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Doyle D Kelley
Level II Certified Design Professional

CERTIFICATION NUMBER 000024601
ISSUED: 11/29/2018 EXPIRES: 11/29/2021

I certify under penalty of law that this Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my supervision. 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 Sedimentation Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the 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. 100002. 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. GAR 100002, 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.

END CONSTRUCTION
STA 16+70.20 ASHFORD DUNWOODY RD
Latitude: 33.878578
Longitude: -84.327722

04-09-2019

Date: **DOYLE KELLEY, P.E. - ENGINEER**

000024601

GSWCC LEVEL II Certification Number

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

DRAWING No.

50-0001

CITY OF BROOKHAVEN 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. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
6. 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 UPSTREAM GROUND WITH IN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
7. 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 BROOKHAVEN STANDARDS.
8. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
9. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.
10. STATE WATERS ARE NOT LOCATED WITHIN 200 FEET OF THE SITE.
11. THE PERSON AND CONTACT INFORMATION FOR OWNER INFORMATION IS AS FOLLOWED:
 MR. KEVIN KORTH
 PUBLIC WORKS, TRANSPORTATION ENGINEER
 CITY OF BROOKHAVEN
 4362 PEACHTREE RD
 BROOKHAVEN GA 30319
 404-637-0724 kevin.korth@brookhaven.ga.gov
12. CONSTRUCTION ACTIVITIES INCLUDING VEGETATION, MULCHING AND BMP PRACTICES ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS.
13. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
14. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS NECESSARY.
15. ANY DISTURBED AREA LEFT EXPOSED SHALL BE TEMPORARILY STABILIZED WITH MULCH OR TEMPORARY SEEDING AS SOON AS POSSIBLE AFTER ROUGH GRADING IS COMPLETED BUT WITHIN 14 DAYS AFTER DISTURBANCE; PERMANENT VEGETATION SHALL BE PLANTED IF THE AREA IS TO BE LEFT UNDISTURBED FOR GREATER THAN 6 MONTHS.
16. IF CONCRETE WORK IS DONE ON SITE THEN A CONCRETE WASHDOWN BMP SHALL BE PROVIDED OR A NOTE "CONCRETE WASHDOWN IS NOT ALLOWED ON SITE". THE CONCRETE WASHDOWN AREA IF ALLOWED, SHALL BE FOR TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

17. Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit. * *
18. PETROLEUM BASED PRODUCTS- CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE FOR SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM SPILLS IN FUEL STORAGE AREAS OR ON MAINTENANCE AND FUELING VEHICLES. STORE IN COVERED AREAS PROTECTED WITH DIKES. REGULARLY INSPECT FOR CRACKS OR LEAKAGE IN CONTAINERS/TANKS.

SPILL CLEANUP AND CONTROL PRACTICES

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND MEAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.



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THOMAS & HUTTON
 5553 Peachtree Road • Suite 175
 Atlanta, GA 30341 • 470.893.1698
 www.thomasandhutton.com

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POLLUTANT PREVENTION

THE FOLLOWING MATERIALS ARE EXPECTED ONSITE DURING CONSTRUCTION:
 PETROLEUM BASED FUELS AND LUBRICANTS FOR EQUIPMENT, ADDITIVES FOR
 SOIL STABILIZATION, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE,
 CONCRETE PRODUCTS, ASPHALT, TAR, LUMBER, , PAINTS/STAINS/FINISHING
 TREATMENTS, PAINT SOLVENTS, CLEANING SOLVENTS, PLASTICS AND METAL PIPES.

PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS
 PRODUCTS AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE
 THE RISK OF SPILLS FROM DISCHARGING INTO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

- QUANTITIES ONSITE WILL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.
- PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER'S LABELS LEGIBLE AND VISIBLE.
- PRODUCT MIXING, DISPOSAL, AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE AND DISPOSAL.

PRODUCT SPECIFIC PRACTICES

FERTILIZER/HERBICIDES/PESTICIDES/DETERGENTS- THESE WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND

SEDIMENTATION CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS. DO NOT DISCHARGE WASH WATER INTO STORM WATER SYSTEM. INSTALL CURBS OR DIKES AROUND STORAGE AREA TO PROTECT AGAINST SPILLS. LIMIT USE OF DETERGENTS ON-SITE.

PAINTS/FINISHES/SOLVENTS- ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING- NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

BUILDING MATERIALS- NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

INSPECTIONS.

A. Permittee requirements:

- (1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.
- (2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have State of Georgia Page 33 of 49 Department of Natural Resources Permit No. GARI00002 Environmental Protection Division undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.
- (3). Certified personnel (provided by the primary permittee) shall inspect the following at least once every fourteen (14) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first): (a) disturbed areas of the primary permittee's construction site; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.
- 4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is submitted to EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).



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(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5). of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or State of Georgia Page 34 of 49 Department of Natural Resources Permit No. GARIO0002 Environmental Protection Division that portion of a construction site that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall contain a statement that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of this permit.

AN "EROSION & SEDIMENTATION INSPECTION AND MAINTENANCE REPORT" SHEET IS ATTACHED. SHOULD THE INSPECTION REVEAL ANY DEFICIENCIES, A COPY SHALL BE SENT TO:

DOYLE KELLEY
 THOMAS & HUTTON
 50 PARK OF COMMERCE WAY
 SAVANNAH, GA 31405
 912.234.5300 (NO FAX)

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures.

SAMPLING REQUIREMENTS.

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

a. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

- (1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (a) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (b) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION FOR THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;
- (2) A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;
- (3) WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX b. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND
- (4) ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

b. SAMPLE TYPE.

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

- 1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- 2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- 3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
- 4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT,



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THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THE PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E. OF THE PERMIT.
 E-016, r2. 2794, t4;

c. SAMPLING POINTS:

THERE WILL BE 2 STORM WATER SAMPLING LOCATIONS. THE SAMPLING LOCATION WILL BE THE DOWNSTREAM POINTS, PER NPDES PERMIT GAR 100002, FOR CONSTRUCTION ACTIVITIES, THE PRIMARY PERMITTEE MUST COMPLETE ALL SAMPLING.

1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S) OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALL(S) USING THE FOLLOWING MINIMUM GUIDELINES:

A. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE. B. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE. C. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNELS(S). D. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.

E. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

F. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

G. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).

A. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

d. SAMPLING FREQUENCY

1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.

2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

3. SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:

A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

B. IN ADDITION TO (A.) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THE PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATIONS, WHICHEVER COMES FIRST;

C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;

D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.a.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND

E. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK. REPORTING



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ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. 51-0004
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

REPORTING

1. The applicable permittees are required to submit the sampling results to the EPD by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. All sampling reports shall include the following information:

- a. The rainfall amount, date, exact place and time of sampling or measurements;
- b. The name(s) of the certified personnel who performed the sampling and measurements;
- c. The date(s) analyses were performed;
- d. The time(s) analyses were initiated;
- e. The name(s) of the certified personnel who performed the analyses;
- f. References and written procedures, when available, for the analytical techniques or methods used;
- g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
- h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
- i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

EPD OFFICE:
 NORTHEAST DISTRICT OFFICE - ATHENS OFFICE
 GEORGIA ENVIRONMENTAL PROTECTION DIVISION
 745 GAINES SCHOOL RD.
 ATHENS, GA 30605
 (706)369-6379

RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWINGS RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOTICE OF TERMINATION IS SUBMITTED IN ACCORDANCE WITH PART VI.

- COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD.
- A COPY OF THE ES&PC PLAN REQUIRED IN PERMIT No. GAR 100002.
- THE DESIGN PROFESSIONALS REPORT OF THE THE RESULTS OF THE
- INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV. A. 5 IN PERMIT

No. GAR 100002.

- A COPY OF ALL SAMPLING INFORMATION , RESULTS, AND REPORTS REQUIRED BY IN PERMIT No. GAR 100002.
- A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4. a OF PERMIT No. GAR 100002.
- A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 IN PERMIT No. GAR 100002.
- DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4. a. (2). IN PERMIT No. GAR 100002.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOTICE OF TERMINATION IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE GAR100002. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

ANALYTICAL METHODS TO COLLECT SAMPLES

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT EPA 833-8-92-001.



GSWCC LEVEL II
 Certification Number: 0000024601



NTS

REVISION DATES

06/27/19		
09/13/19		

ESPCP GENERAL NOTES

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. 51-0005
BACKCHECKED:	DATE:	
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ESPCP GENERAL NOTES

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

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.

PLAN ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the City of Brookhaven. It addresses the phased construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the phased 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 of the contract.

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

TEMPORARY MULCHING

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

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching for this project can be found in Section 700 of the current edition of the City of Brookhaven's Standard Specifications (or special provisions) and other applicable contract documents, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded. 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 construction exits per the plans and specifications of the construction exit detail included in this ESPCP. If the Contractor wishes to relocate or move the construction exits it shall be coordinated with the City of Brookhaven.

The phased erosion control for this project will consist of 4 phases. They are Phase I (initial), Phase 1, Phase 2 and Final. Phase IA will consist of at a minimum all perimeter silt fence and construction exits for the project to be installed prior to any clearing operations per the Phase IA BMP Location Details. Phase 1 will consist of at a minimum ditch checks, inlet sediment traps, rip-rap, temporary grassing, temporary mulch and maintenance of silt fence and construction exits as shown on the Phase 1 BMP Location Details. Phase 2 will consist of at a minimum ditch checks, inlet sediment traps, rip-rap, temporary grassing, temporary mulch and maintenance of silt fence and construction exits as shown on the Phase 2 BMP Location Details. The Final Phase will consist of at a minimum all permanent grassing and vegetation, slope mats, rip-rap and permanent stabilization of the site per the details of the Mainline Plans.

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.

SOIL SERIES INFORMATION

A project-specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the hydrologic analysis, the design of channels and linings, selection of temporary BMP's, design of energy dissipaters, and in the selection of permanent vegetation and fertilizers.

POSTCONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent postconstruction BMP's are shown in the construction plans and in the ESPCP plan. The postconstruction BMP's for this project consist of vegetation, permanent slope drains and/or flumes, riprap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical. The postconstruction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.)

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be 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.

 <p>GSWCC LEVEL II Certification Number: 0000024601</p>	 <p>THOMAS & HUTTON 5553 Peachtree Road • Suite 175 Atlanta, GA 30341 • 470.893.1698 www.thomasandhutton.com</p>	NTS	REVISION DATES		ESPCP GENERAL NOTES ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT																	
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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. Waste materials shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

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, City of Brookhaven 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.

PROJECT DESCRIPTION

The site currently consists of Ashford Dunwoody Road at the intersection of Peachtree Road, a parking lot, existing storm drainage network and undeveloped wooded area. The proposed development includes the realignment of Ashford Dunwoody Road and the installation of a new storm drain network.

RUNOFF COEFFICIENT

PRE-CONSTRUCTION CN = 64
POST-CONSTRUCTION CN = 68

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 GARI00002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

OTHER CONTROLS

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

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

SEDIMENT STORAGE

Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbing 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 attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must be given. Worksheets from the Manual must be included for structural BMP's and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittee's are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.

Sediment storage calculations do not justify the use of sediment basins. Land disturbance activities associated with possible construction and removing a sediment basin at any location within the project would cause adverse impacts. Those impacts are disturbance of greater area than it would actually be protected and would impact wetlands. BMP's as shown on the erosion control plans will be adequate to prevent erosion runoff at these locations.

THE SITE HAS A TOTAL PROJECT AREA OF 5.85 ACRES AND A TOTAL DISTURBED AREA OF 3.33 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.

Location	Total Drainage Area (acre)	Disturbed Area (acres)	Required Sediment Storage Volume (yd ³)	Total Storage Volume Provided (yd ³)	Sediment Basins		Check Dam 10yd ³ /each		Inlet Sediment Traps (10 yd ³ /each)		Silt Gates (3 yd ³ /each)		Silt Fence (0.3 yd ³ /ft)	
					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)	Total Volume (yd ³)
Outfall A	2.97	2.36	199	515	N/A	N/A	1	0	5	0	0	0	1515	515
Outfall B	0.97	0.97	65	232	N/A	N/A	0	0	5	0	0	0	772	232
Total Sheet Flow	3.94	3.33	264	747	N/A	N/A	1	0	10	0	0	0	2287	747

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.



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NTS

REVISION DATES

ESPCP GENERAL NOTES

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
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USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

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.

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

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an 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).

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".

EROSION SEDIMENTATION POLLUTION CONTROL CHECKLIST

See Drawing Number 51-0011 for the checklist.

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.

Name or Number of Stream or Other Water Body Type	Location of Buffered Streams and State Waters**			Stream Type (Warm/Cold Water)*	Buffer Variance Required? (Yes/No)
	Roadway Alignment	Begin Station and Offset	End Station and Offset		

24 HOUR CONTACT:

BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH
Name

CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319

City, State Zip

(404) 637-0540 kevin.korth@brookhavenga.gov

Phone Number Email



GSWCC LEVEL II
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NTS

REVISION DATES

ESPSP GENERAL NOTES

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SAMPLING GENERAL NOTES

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

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

Note: The Total site area is 5.85 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
OUTFALL A	9+44.70 Lt	TRIBUTARY OF LITTLE NANCY CREEK	All	Outfall	0.10	2.36	Warm	75	N/A	Ditch End	New & Road Widening	2.36	0.01	TBD	A
OUTFALL B	2+33.27 Lt	North Fork Peachtree Creek Tributary	All	Outfall	0.03	0.97	Warm	75	N/A	Ditch End	New & Road Widening	0.97	0.008	TBD	B

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.

24 HOUR CONTACT:

BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH
 Name
CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319
 City, State Zip
(404) 637-0540 kevin.korth@brookhavenga.gov
 Phone Number Email



GSWCC LEVEL II
 Certification Number: 0000024601



NTS

REVISION DATES	
06/27/19	

ESPCP GENERAL NOTES

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
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SEEDING RATES FOR TEMPORARY & PERMANENT COVER

MONTH	TEMPORARY COVER	RATE PER ACRE		PERMANENT COVER	RATE PER ACRE	
		SEEDED ALONE	ADDED TO MIX		SEEDED ALONE	ADDED TO MIX
JANUARY	* LESPEDEZA, ANNUAL + RYE + RYEGRASS, ANNUAL + WHEAT	40 lbs. 3 bu. 40 lbs. 3 bu.	10 lbs. .5 bu. .5 bu.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SERICEA	60 lbs. 10 lbs. 75 lbs.	30 lbs. 6 lbs. -
FEBRUARY	LESPEDEZA, ANNUAL + LOVEGRASS, WEeping + RYE + RYEGRASS, ANNUAL	40 lbs. 4 lbs. 3 bu. 40 lbs.	10 lbs. 2 lbs. .5 bu.	* BAHIA, PENSACOLA CENTIPEDE, SOD LESPEDEZA, SEDICEA + LOVEGRASS, WEeping	60 lbs. 10 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -
MARCH	* LESPEDEZA, ANNUAL + LOVEGRASS, WEeping + RYEGRASS, ANNUAL + SUDANGRASS	40 lbs. 4 lbs. 40 lbs. 60 lbs.	10 lbs. 2 lbs. -	BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD + LESPEDEZA, SEDICEA LESPEDEZA, SEDICEA LOVEGRASS, WEeping	60 lbs. 10 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -
APRIL	LOVEGRASS, WEeping MILLET, BROWN TOP + MILLET, PEARL SUDANGRASS	4 lbs. 40 lbs. 50 lbs. 60 lbs.	2 lbs. 10 lbs. -	BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD + LESPEDEZA, SEDICEA LESPEDEZA, SEDICEA LOVEGRASS, WEeping	60 lbs. 10 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -
MAY	LOVEGRASS, WEeping MILLET, BROWN TOP MILLET, PEARL SUDANGRASS	4 lbs. 40 lbs. 50 lbs. 60 lbs.	2 lbs. 10 lbs. -	BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD + LESPEDEZA, SEDICEA LESPEDEZA, SEDICEA LOVEGRASS, WEeping	60 lbs. 10 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -
JUNE	* LOVEGRASS, WEeping MILLET, BROWN TOP MILLET, PEARL SUDANGRASS	4 lbs. 40 lbs. 50 lbs. 60 lbs.	2 lbs. 10 lbs. -	BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD + LESPEDEZA, SEDICEA LESPEDEZA, SEDICEA LOVEGRASS, WEeping	60 lbs. 10 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -

SEEDING RATES FOR TEMPORARY & PERMANENT COVER

MONTH	TEMPORARY COVER	RATE PER ACRE		PERMANENT COVER	RATE PER ACRE	
		SEEDED ALONE	ADDED TO MIX		SEEDED ALONE	ADDED TO MIX
JULY	* MILLET, BROWN TOP MILLET, PEARL SUDANGRASS	40 lbs. 50 lbs. 60 lbs.	10 lbs. -	* BAHIA, PENSACOLA + LESPEDEZA, SEDICEA	60 lbs. 10 lbs. 75 lbs.	30 lbs. -
AUGUST	* MILLET, PEARL + RYEGRASS, ANNUAL	50 lbs. 40 lbs.	-	* BAHIA, PENSACOLA + LESPEDEZA, SEDICEA	60 lbs. 75 lbs.	30 lbs. -
SEPTEMBER	* BARLEY + OATS + RYE RYEGRASS, ANNUAL + WHEAT	3 bu. 4 bu. 3 bu. 40 lbs. 3 bu.	.5 bu. 1 bu. .5 bu. -	* BAHIA, PENSACOLA LESPEDEZA, SEDICEA	60 lbs. 75 lbs.	30 lbs. -
OCTOBER	BARLEY OATS RYE RYEGRASS, ANNUAL WHEAT	3 bu. 4 bu. 3 bu. 40 lbs. 3 bu.	.5 bu. 1 bu. .5 bu. -	* BAHIA, PENSACOLA LESPEDEZA, SEDICEA	60 lbs. 75 lbs.	30 lbs. -
NOVEMBER	BARLEY OATS RYE RYEGRASS, ANNUAL WHEAT	3 bu. 4 bu. 3 bu. 40 lbs. 3 bu.	.5 bu. 1 bu. .5 bu. -	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SEDICEA	60 lbs. 10 lbs. 75 lbs.	30 lbs. 6 lbs. -
DECEMBER	BARLEY OATS RYE RYEGRASS, ANNUAL WHEAT	3 bu. 4 bu. 3 bu. 40 lbs. 3 bu.	.5 bu. 1 bu. .5 bu. -	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SEDICEA	60 lbs. 10 lbs. 75 lbs.	30 lbs. 6 lbs. -

NOTES
 ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED
 * INDICATES MARGINAL (BUT PERMISSIBLE) PLANTING DATE
 1. UNSCARIFIED
 2. SCARIFIED
 3. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER

Table 2. Fertilizer Requirements for Temporary Vegetation

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

* Apply agricultural lime at the rate determined by soil test pH.

DUST CONTROL

DEFINITION: CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON LAND-DISTURBING ACTIVITIES.
 PURPOSE: PREVENT THE MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND PREVENT THE MOVEMENT OF AIRBORNE SUBSTANCES THAT MAY BE HARMFUL TO HEALTH.

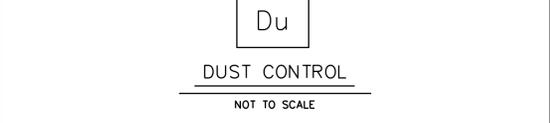
TEMPORARY METHODS	PERMANENT METHODS
- MULCHES	- PERMANENT VEGETATION
- TEMPORARY VEGETATIVE COVER	- TOPSOILING
- SPRAY ON ADHESIVES	- STONE COVER
- TILLAGE	
- IRRIGATION	
- BARRIERS	
- CALCIUM CHLORIDE	

INSTALLATION: APPLY ACCORDING TO APPROVED PLAN, IF SHOWN. MULCH DISTURBED AREAS AND TACKIFY WITH REDSINS SUCH AS ASPHALT, CURASOL OR TERRATAK ACCORDING TO MANUFACTURERS RECOMMENDATIONS. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION. COVER SURFACES WITH CRUSHED STONE OR GRAVEL. APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACES MOIST. APPLY SPRAY-ON ADHESIVES TO MINERAL SOILS (NOT MUCK SOILS AS DESCRIBED IN TABLE 1).

TABLE 1. SPRAY-ON ADHESIVE APPLICATION REQUIREMENTS

ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL / ACRE)
ANIONIC ASPHALT EMULSION	7:1 *	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1 *	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1 *	FINE SPRAY	300

MAINTENANCE: PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING. SUPPLEMENT SURFACE COVERING AS NEEDED.



CURB INLET FILTER "PIGS IN BLANKET"

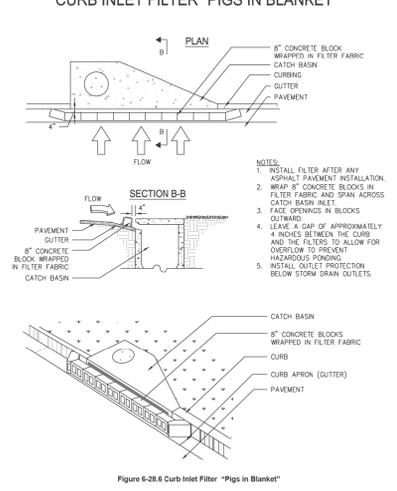


Figure 6-28.6 Curb Inlet Filter "Pigs in Blanket"

Table 1. Mulching Application Requirements

Material	Rate	Depth
Straw or hay	-	2" to 4"
Wood waste, chips, sawdust, bark	-	2" to 3"
Polyethylene film	Secure with soil, anchors, weights	-
Geotextiles, jute matting, netting, etc.	See manufacturer's recommendations	-

RIPRAP OUTLET PROTECTION

Structure #, Outfall ID#, or Station and Offset	Pipe Diameter	Q ₂₅	V ₂₅	Tailwater Condition	Width at Drainage Structure	Apron Length	Downstream Width	Average Stone Diameter	Apron Thickness	Riprap Type	Quantity
	Do (ft)	(ft ³ /s)	(ft/s)	(TW<0.5 Do TW>0.5 Do)	W1=3Do OR W1 (ft)	La (ft)	W2=Do+La OR W1 (ft)	d ₅₀ (ft)	D (ft)	(Type 3 or Type 1)	(yd ³)
A-1	1.5	5.4	3.4	<0.5 Do	4.50	10	14.50	0.10	1.50	TYPE 3	10.6

CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing except as noted otherwise in the table below.

Begin Station and Offset	End Station and Offset	Q ₂₅	V ₂₅	Type of Channel Lining	Channel Bottom Width (ft)	Depth of Protection Dp (ft)	Quantity (yd ³)
Channel A							
8+59 LT	9+44 LT	5.40	3.4	GRASS-TRM-1	4.00	1.00	72

24 HOUR CONTACT:

BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH
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 City, State Zip
 (404) 637-0540 kevin.korth@brookhavenga.gov
 Phone Number Email



GSWCC LEVEL II
 Certification Number: 0000024601



NTS

REVISION DATES

06/27/19		

ESPCP GENERAL NOTES
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	51-0010



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

SWCD: DEKALB DISTRICT Address: CITY F BROOKHEAVEN, GA
 City/Country: CITY F BROOKHEAVEN, DEKALB Date on Plans: _____

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0011	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
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 reviewed)
50-0001	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
51-0007	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 revisions.
51-0001	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 necessary.
51-0009	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
50-0001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit. *
50-0001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable. *
51-0001	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 28 of the permit. *
51-0008	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of waded 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."
51-0008	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0001	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
51-0001	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
51-0001	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-0001	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-0001	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
51-0008	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
51-0001	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0001	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
51-0001	Y	27 Description of practices to provide cover for building materials and building products on site. *
51-0002	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0002	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *
51-0001	Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
51-0003	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee. *
51-0003	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results. *
51-0005	Y	32 Provide complete details for retention of records as per Part IV.F. of the permit. *
51-0005	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *
51-0009	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
51-0009	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *
51-0001	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
50-0001	Y	37 Graphic scale and North arrow.
53,55-0001	Y	38 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
N/A	N	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gswcc.org
N/A	N	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
N/A	N	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
53-0001	Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-0001	Y	43 Delineation and acreage of contributing drainage basins on the project site.
53-0001	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" = 2000' topographical sheets.
53-0001	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
53-0004	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
53-0001	N	47 Soil series for the project site and their delineation.
53-0001	Y	48 The limits of disturbance for each phase of construction.
53-0007	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance 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 attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
54-0001	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56-0001	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-0010	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

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

Effective January 1, 2020

24 HOUR CONTACT:

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NTS

REVISION DATES

ESPCP GENERAL NOTES

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. 51-0011
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **flowways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Detention Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only to landward of 0.7 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Georgia State Plane West Zone, FIPS 1002 (Feet). The horizontal datum was NAD 83. Differences in datum, ellipsoid, projection or State Plane zones or the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structural and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geospatial Information Administration's North American Vertical Datum of 1988 and the North American Vertical Datum of 1985, visit the National Geospatial Survey website at <http://www.ngs.noaa.gov> or contact the National Geospatial Survey at the following address:

NSG Information Services
 NOAA/NWS/512
 National Geospatial Survey
 SSMC-3 #9202
 1215 East-West Highway
 Silver Spring, Maryland 20910-3282
 (301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geospatial Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was derived from DeKalb County aerial photography produced at a scale of 1:12000 from photography dated 2010 or later.

Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel dimensions that differ from what is shown on this map. Also, the need to floodplain relationships for unsewered streams may differ from what is shown on previous maps.

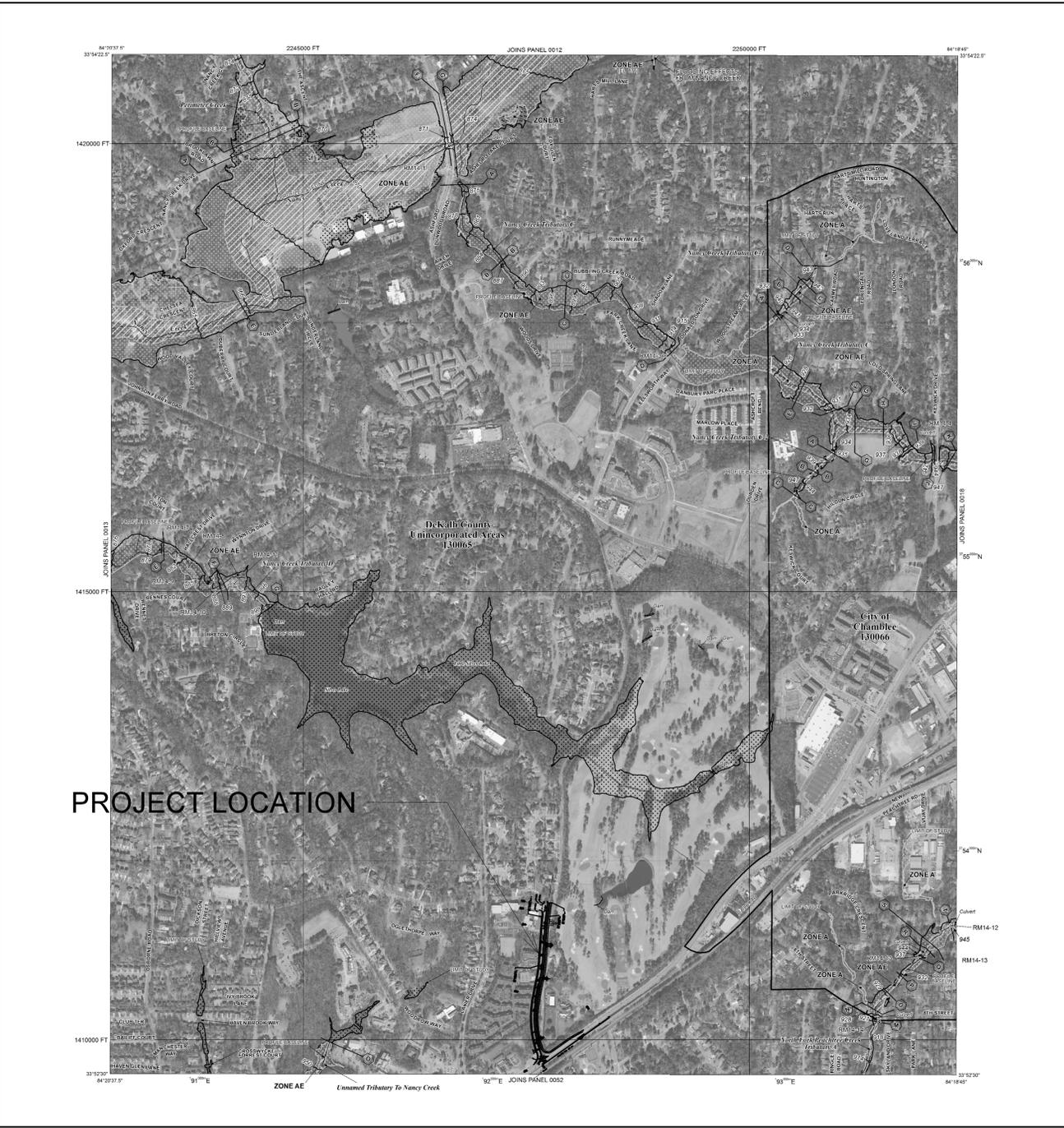
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels, community map repository addresses, and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at <http://www.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map**, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information Exchange (FMIX) at 1-877-FEMA-MAP (1-877-369-6277) or visit the FEMA website at <http://www.fema.gov/business/nfp>.

The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the profile baseline, in some cases, may deviate significantly from the channel centerline or appear outside the SFLA.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood) also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zone A, AE, AH, AO, AR, AV, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A
 No Base Flood Elevations determined.

ZONE AE
 Base Flood Elevation determined.

ZONE AH
 Flood depths of 1 to 3 feet (usually areas of ponds); Base Flood Elevation determined.

ZONE AO
 Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of actual lot flooding, vehicles also determined.

ZONE AR
 Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently operated. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood. Area to be protected from 1% annual chance flood by a Federal Flood Protection System under construction; no Base Flood Elevation determined.

ZONE AV
 Coastal Flood zone with velocity hazard (wave action); no Base Flood Elevation determined.

ZONE VE
 Coastal Flood zone with velocity hazard (wave action); Base Flood Elevation determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be left free of encroachment so that the 1% annual chance flood can be carried without substantial increase in flood height.

OTHER FLOOD AREAS

ZONE X
 Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with average area less than 1 square mile; areas protected by levees from the 1% annual chance flood.

OTHER AREAS
 Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, see notes.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
 0.2% annual chance floodplain boundary
 Floodway boundary
 Zone D boundary
 CBRS and OPA boundary
 Boundary defining Special Flood Hazard Area Zone and boundary defining Special Flood Hazard Areas of different Base Flood Elevation, flood depths or flood velocities.
 Level of Moderate Wave Action
 Base Flood Elevation line and value; elevation in feet
 (EL 987)

* Referenced to the North American Vertical Datum of 1988

Circle action line
 Truncated line
 Culvert, Flume, Parapet or Aqueduct
 Road or Railroad Bridge
 Footbridge
 Geographic coordinates: referenced to the North American Datum of 1983 (NAD 83), UTM, UTM Zone 18N
 1000-meter Universal Transverse Mercator grid values, zone 17
 600000 FT
 5000-foot grid values: Georgia State Plane coordinate system, West zone (FIPSZONE 1002), Transverse Mercator projection
 DMS10
 Bench mark (see explanation in Notes to Users section of this FIRM panel)
 M 1.5
 River Mile

MAP REPOSITORY
 Refer to listing of Map Repositories on Map Index

EFFECTIVE DATES OF COMMUNITIES FLOOD INSURANCE RATE MAP
 May 17, 2001

EFFECTIVE DATES OF REVISIONS TO THIS PANEL
 May 16, 2013 - to change Base Flood Elevations and Special Flood Hazard Areas

The community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-435-6632.

MAP SCALE 1" = 500'
 250 0 500 1000
 FEET
 150 0 150 300
 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0014J

FIRM
FLOOD INSURANCE RATE MAP

DEKALB COUNTY,
 GEORGIA
 AND INCORPORATED AREAS

PANEL 14 OF 201
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:
 COMMUNITY NUMBER PANEL SUFFIX
 NUMBER CITY OF DEKALB COUNTY 13088 0014 J

MAP NUMBER 13088C0014J
 MAP REVISED MAY 16, 2013

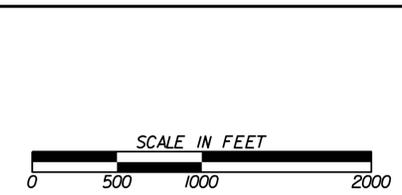
Federal Emergency Management Agency

GEORGIA REGISTERED ENGINEER
 No. 031048
 DOYLE D. KELLEY, JR.

GSWCC LEVEL II Certification Number: 0000024601

24 HOUR CONTACT:
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CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319
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 (404) 637-0540 Phone Number
 kevin.korth@brookhaven.ga.gov Email

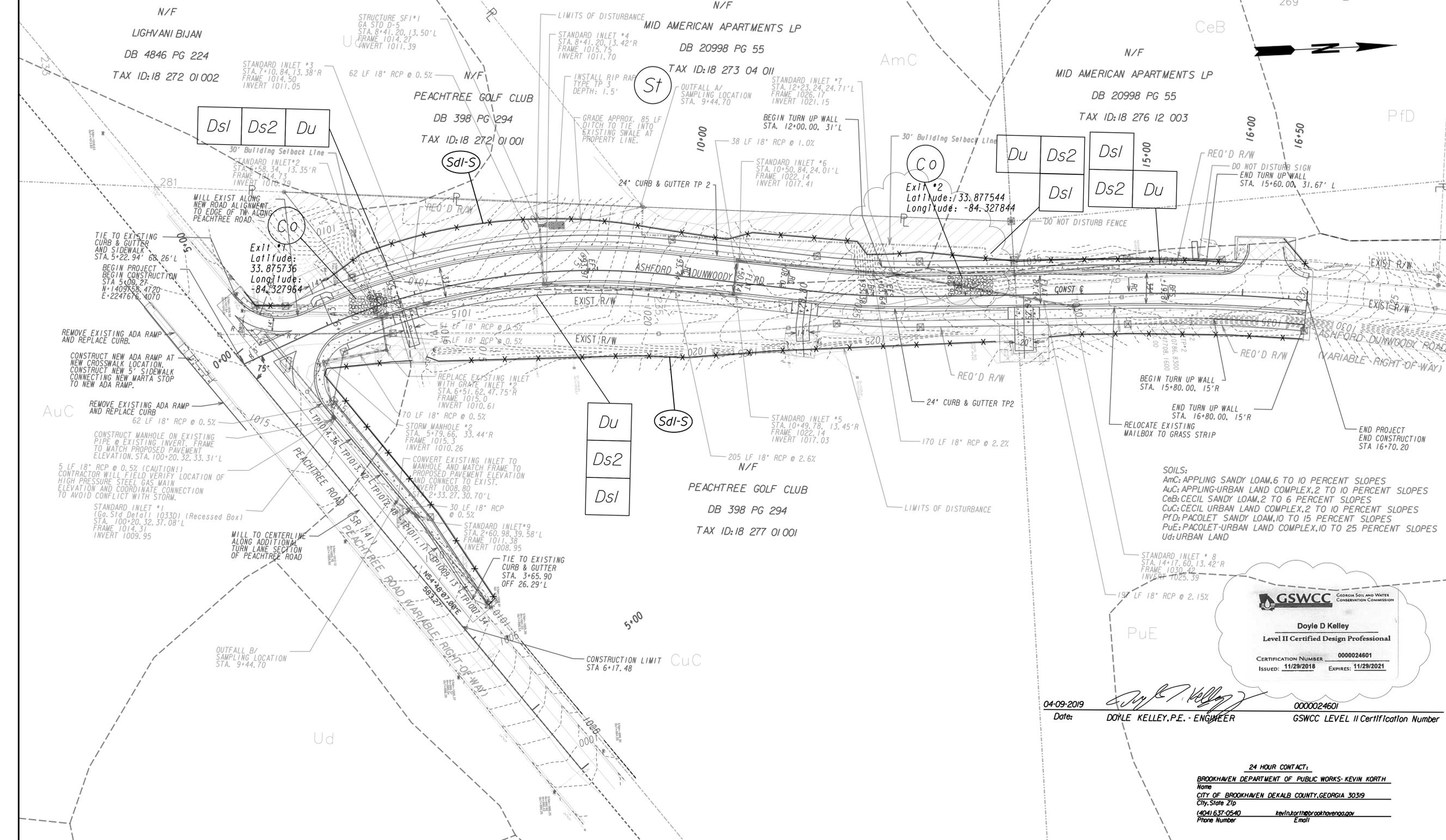
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 www.thomasandhutton.com



REVISION DATES

FEMA MAP SITE PLAN
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. 53-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SOILS:
 AmC: APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
 AuC: APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
 CeB: CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES
 CuC: CECIL URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
 PFD: PACOLET SANDY LOAM, 10 TO 15 PERCENT SLOPES
 PuE: PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
 Ud: URBAN LAND

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Doyle D Kelley
 Level II Certified Design Professional

CERTIFICATION NUMBER: 0000024601
 ISSUED: 11/29/2018 EXPIRES: 11/29/2021

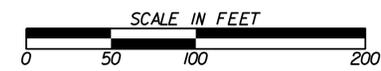
04-09-2019 Date: **DOYLE KELLEY, P.E. - ENGINEER** 0000024601 GSWCC LEVEL II Certification Number

24 HOUR CONTACT:
 BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH
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 (404) 637-0540 kevin.korth@brookhaven.ga.gov
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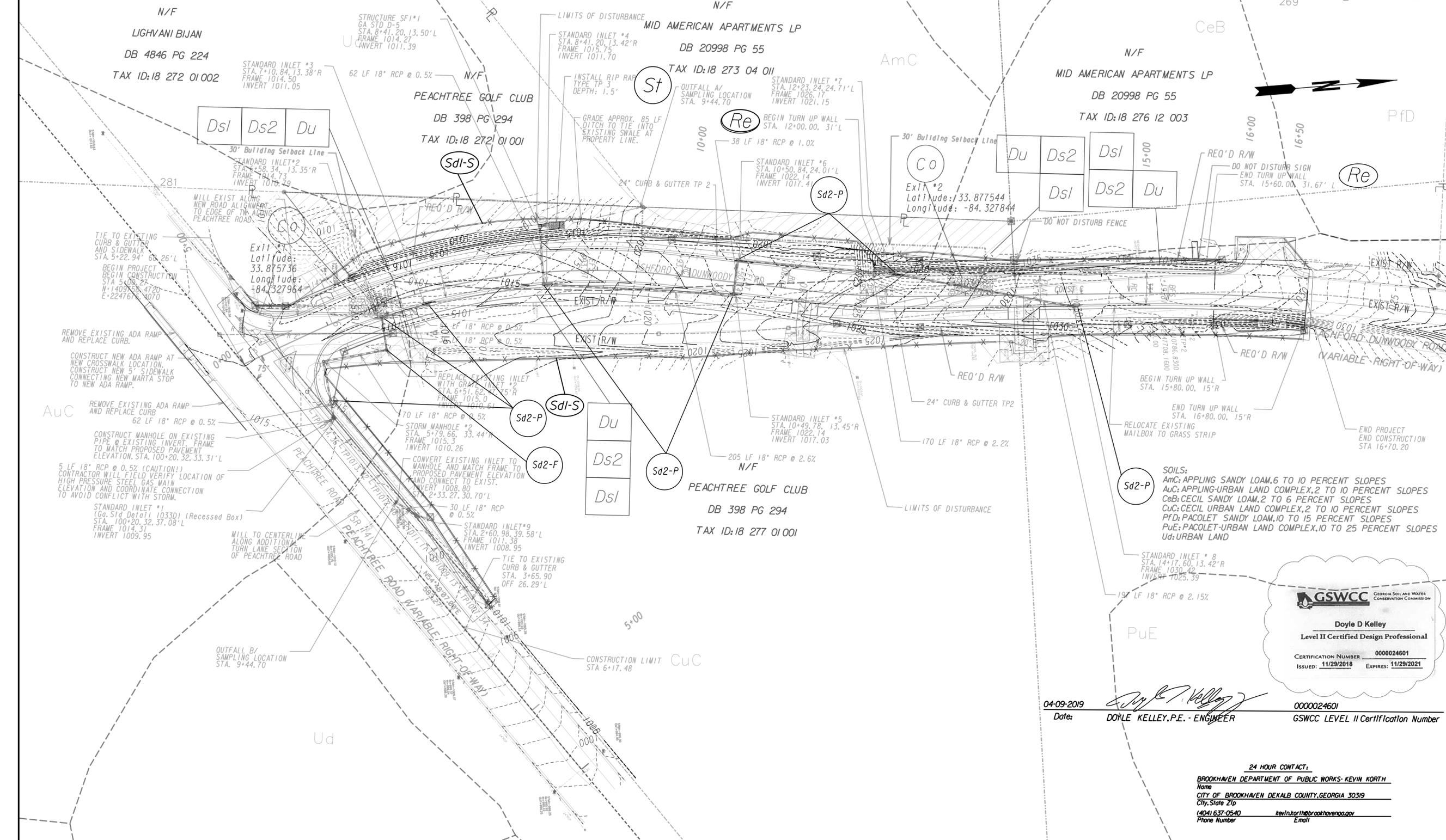
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REVISION DATES	

BMP LOCATION DETAILS- PHASE I		
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT		
CHECKED:	DATE:	DRAWING No. 54-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SOILS:
 AmC: APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
 AuC: APPLING URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
 CeB: CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES
 CuC: CECIL URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
 Pd: PACOLET SANDY LOAM, 10 TO 15 PERCENT SLOPES
 PuE: PACOLET URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
 Ud: URBAN LAND

GSWCC Georgia Soil and Water Conservation Commission
Doyle D Kelley
 Level II Certified Design Professional
 Certification Number: 0000024601
 Issued: 11/29/2018 Expires: 11/29/2021

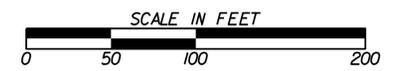
Date: 04-09-2019
 Doyle Kelley, P.E. - ENGINEER
 0000024601
 GSWCC LEVEL II Certification Number

24 HOUR CONTACT:
 BROOKHAVEN DEPARTMENT OF PUBLIC WORKS - KEVIN KORTH
 Name
 CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319
 City, State Zip
 (404) 637-0540 kevin.korth@brookhaven.ga.gov
 Phone Number Email



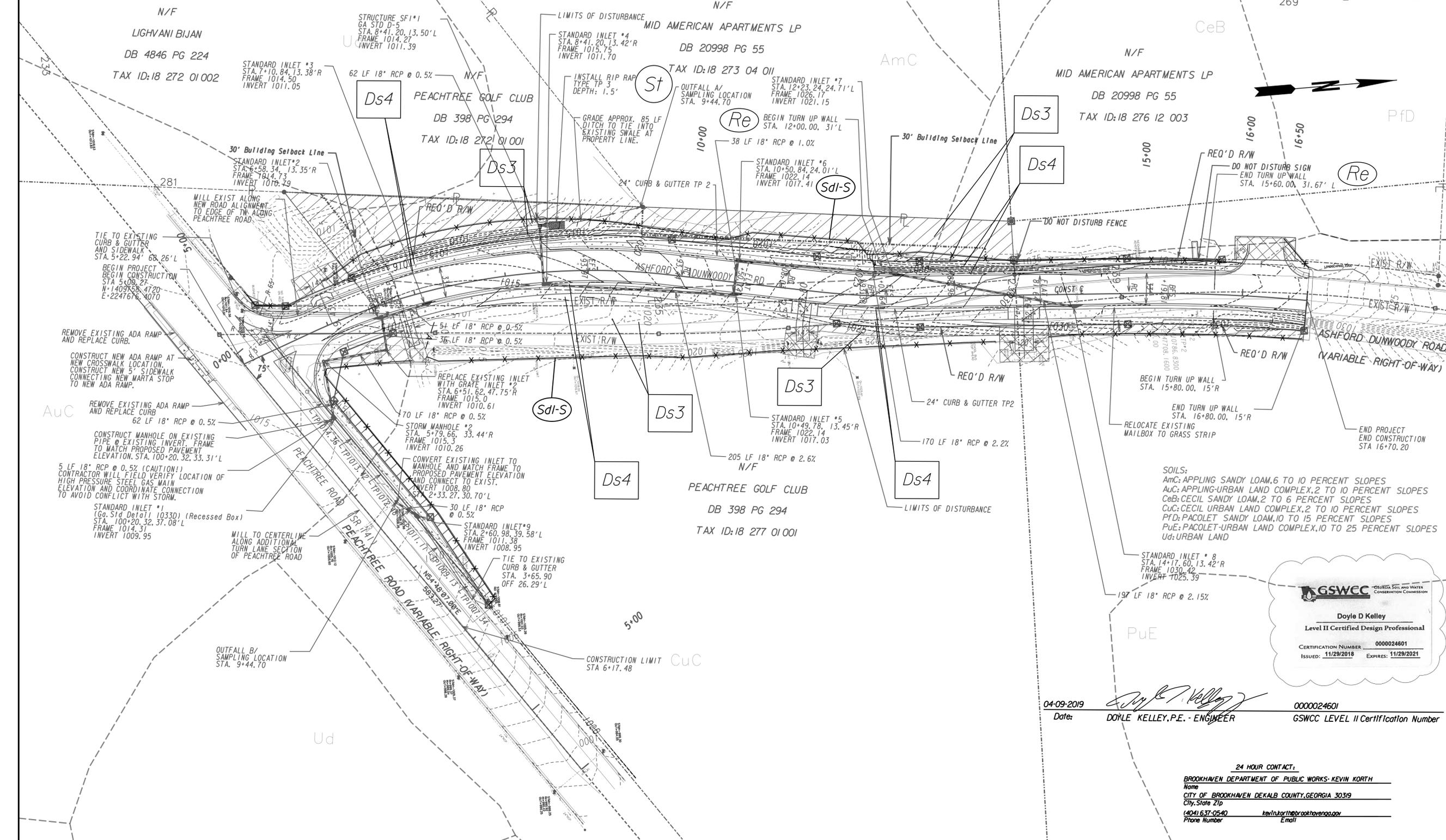
GSWCC LEVEL II
 Certification Number: 0000024601

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REVISION DATES	

BMP LOCATION DETAILS- PHASE 2		
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT		
CHECKED:	DATE:	DRAWING No. 54-0002
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SOILS:
 AmC: APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
 AuC: APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
 CeB: CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES
 CuC: CECIL URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
 PFD: PACOLET SANDY LOAM, 10 TO 15 PERCENT SLOPES
 PuE: PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
 Ud: URBAN LAND

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Doyle D Kelley
 Level II Certified Design Professional
 CERTIFICATION NUMBER: 0000024601
 ISSUED: 11/29/2018 EXPIRES: 11/29/2021

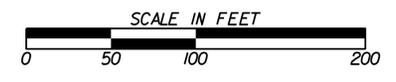
04-09-2019 Date: *Doyle D Kelley*
 DOYLE KELLEY, P.E. - ENGINEER
 0000024601 GSWCC LEVEL II Certification Number

24 HOUR CONTACT:
 BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH
 Name: KEVIN KORTH
 CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319
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 (404) 637-0540 kevin.korth@brookhaven.ga.gov
 Phone Number Email



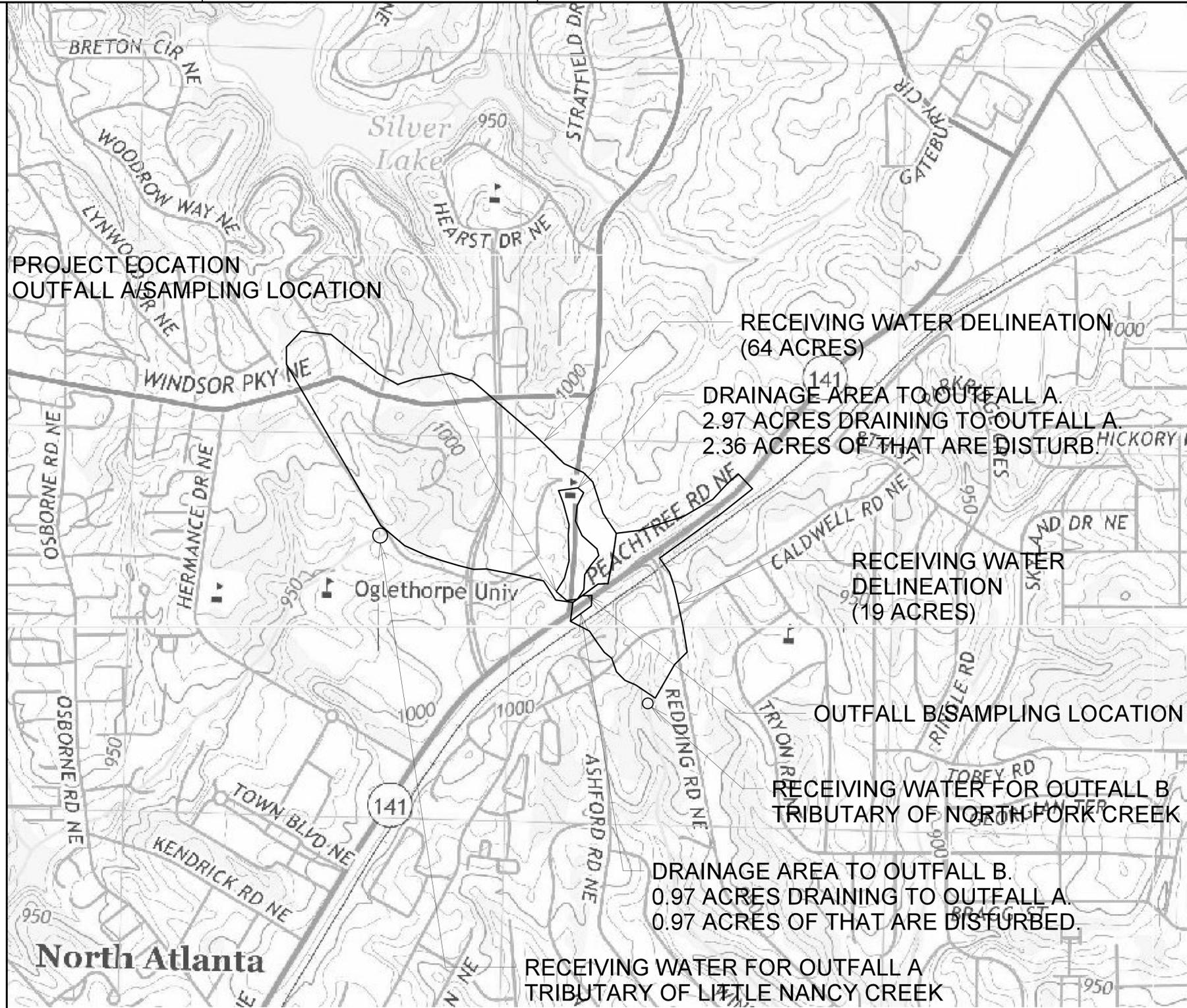
GSWCC LEVEL II
 Certification Number: 0000024601

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REVISION DATES	

BMP LOCATION DETAILS- PHASE 3			
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0003	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



Appendix B
Outfall A NTU Table
Nephelometric Turbidity Unit (NTU) Table
Warm Water (Supporting Warm Water Fisheries)
Surface Water Drainage Area, square miles

	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

Appendix B
Outfall B NTU Table
Nephelometric Turbidity Unit (NTU) Table
Warm Water (Supporting Warm Water Fisheries)
Surface Water Drainage Area, square miles

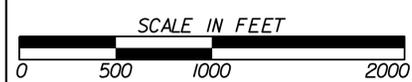
	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100



GSWCC LEVEL II
Certification Number: 0000024601

24 HOUR CONTACT:
BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH
CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319
(404) 637-0540 Email: kevin.korth@brookhavenga.gov

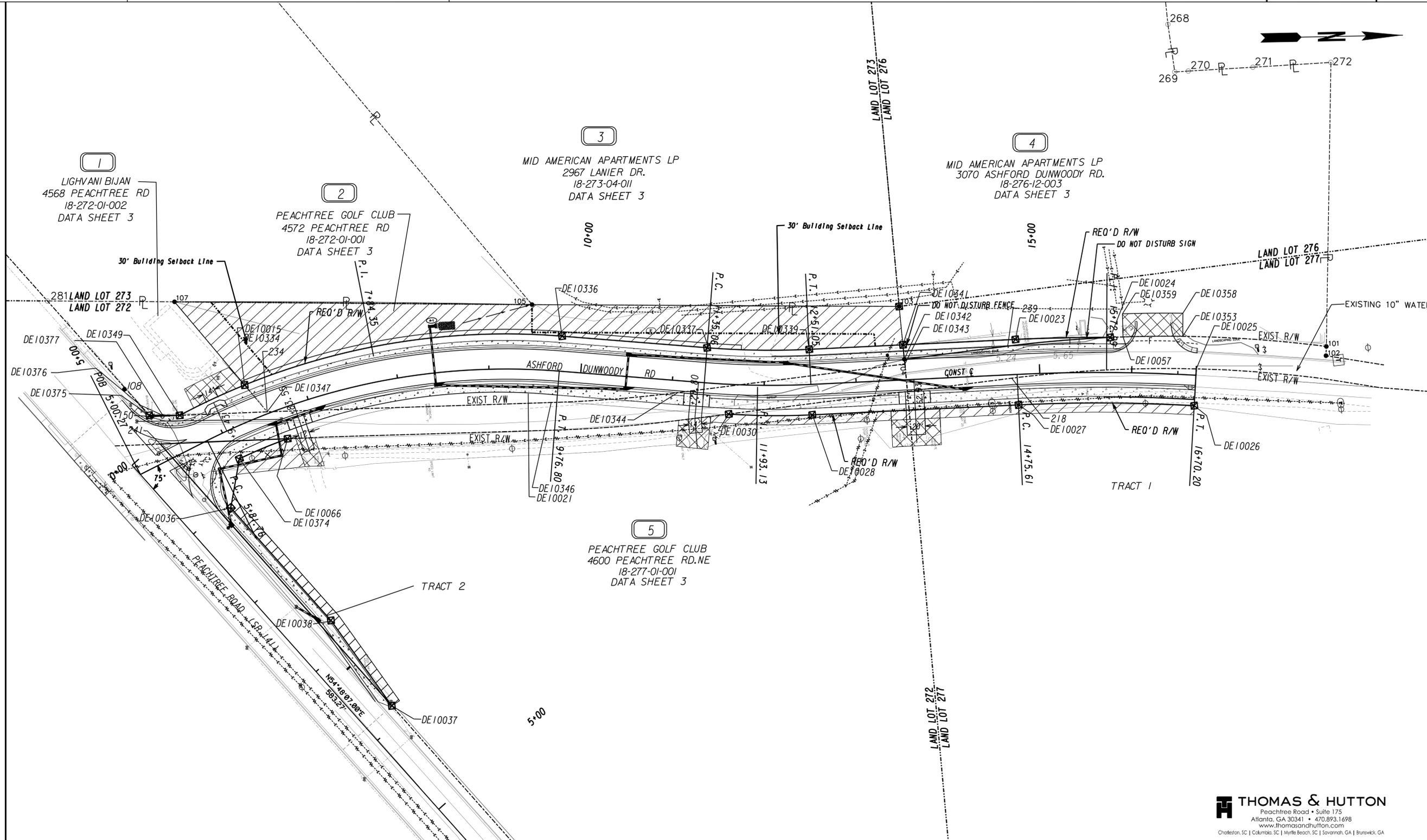
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REVISION DATES	

USGS QUAD MAP
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No. 55-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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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

SCALE IN FEET
 0 50 100 200

DATE	REVISIONS	DATE	REVISIONS
4-2-19	REVISED PARCEL 1 AND PARCEL 5		

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO: MT-01
 COUNTY: DEKALB
 LAND LOT NO: 272, 277
 LAND DISTRICT: N/A
 GMD 686
 DATE 01/21/19 SH 2 OF 3

DRAWING No.
60-0002

PARCEL 1 REQ'D R/W DE128

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
234	2.08 L	6+53.87	D5
	95.23	S 4°17'56.4" W	
DE10349	37.86 L	5+67.25	D5
ARC LENGTH = 77.96			
CHORD BEAR = N 18°17'08.7" W			
LNTH CHORD = 77.92			
RADIUS = 761.00			
DEGREE = 7°31'44.4"			
DE10334	38.00 L	6+42.03	D5
	37.92	N 56°24'32.0" E	
234	2.08 L	6+53.87	D5
REQ'D R/W = 1476.81 SF			
REQ'D R/W = 0.034 ACRES			
REMAINDER = +/- 0.343 ACRES			

Req'd Parcel 1 REQ'D R/W DE138

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
150	51.00 L	5+38.32	DE5
	1.77	S 54°48'07.0" W	
DE10375	52.71 L	5+37.86	DE5
	32.93	N 6°40'57.2" E	
DE10349	37.86 L	5+67.25	DE5
	31.77	S 4°17'56.4" W	
150	51.00 L	5+38.32	DE5
REQ'D R/W = 21.76 SF			
REQ'D R/W = 0.001 ACRES			
REMAINDER = +/- 0.342 ACRES			

PARCEL 1 DWSMT REQ'D DRWY. EASMT. DE129

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10355	38.00 L	5+84.43	D5
DE10356	61.00 L	5+84.33	D5
ARC LENGTH = 54.68			
CHORD BEAR = N 19°08'08.0" W			
LNTH CHORD = 54.67			
RADIUS = 983.15			
DEGREE = 5°49'40.0"			
DE10058	62.16 L	6+34.71	D5
DE10015	38.00 L	6+42.03	D5
ARC LENGTH = 60.63			
CHORD BEAR = S 17°38'00.3" E			
LNTH CHORD = 60.62			
RADIUS = 761.20			
DEGREE = 7°31'37.4"			
DE10355	38.00 L	5+84.43	D5

Temp Esmt Parcel 1 REQ'D TEMP. EASMT. DE139

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10376	67.12 L	5+33.98	DE5
DE10377	46.12 L	5+50.90	DE5
DE10375	52.71 L	5+37.86	DE5
DE10376	67.12 L	5+33.98	DE5
REQ'D TEMP ESMT AREA = 81.14 SF			
REQ'D TEMP ESMT AREA = 0.002 AC			

PARCEL 2 REQ'D R/W DE127

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10334	38.00 L	6+42.03	D5
ARC LENGTH = 352.37			
CHORD BEAR = N 2°05'10.6" W			
LNTH CHORD = 349.23			
RADIUS = 761.00			
DEGREE = 7°31'44.4"			
DE10336	38.00 L	9+76.80	D5
	158.26	N 11°10'42.9" E	
DE10337	38.00 L	11+35.06	D5
ARC LENGTH = 111.15			
CHORD BEAR = N 7°31'52.6" E			
LNTH CHORD = 111.07			
RADIUS = 873.00			
DEGREE = 6°33'47.1"			
DE10339	38.00 L	12+51.05	D5
	102.03	N 3°52'57.3" E	
DE10341	38.00 L	13+53.07	D5
	15.70	S 89°01'12.9" E	
DE10342	22.32 L	13+53.87	D5
	5.16	N 89°20'03.8" E	
DE10343	17.18 L	13+54.28	D5
	249.26	S 0°30'55.0" E	
DE10344	13.00 R	11+06.86	D5
ARC LENGTH = 137.82			
CHORD BEAR = S 2°10'21.7" W			
LNTH CHORD = 137.77			
RADIUS = 1468.86			
DEGREE = 3°54'02.5"			
DE10346	34.54 R	9+70.49	D5
	309.12	S 4°46'24.2" W	
DE10347	2.08 L	6+53.87	D5
	37.92	S 56°24'32.0" W	
DE10334	38.00 L	6+42.03	D5
REQ'D R/W = 37715.01 SF			
REQ'D R/W = 0.866 ACRES			
REMAINDER = +/- 0.826 ACRES			

Req'd Parcel 2 PERM ESMT REQ'D PERM. EASMT. DE130

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
107	150.94 L	6+11.45	DE5
	388.85	N 7°05'01.4" E	
105	70.25 L	9+44.70	DE5
	399.22	N 6°54'47.1" E	
103	79.75 L	13+50.96	DE5
	41.80	S 89°01'12.9" E	
DE10341	38.00 L	13+53.07	DE5
	102.03	S 3°52'57.3" W	
DE10339	38.00 L	12+51.05	DE5
ARC LENGTH = 111.15			
CHORD BEAR = S 7°31'52.6" W			
LNTH CHORD = 111.07			
RADIUS = 873.00			
DEGREE = 6°33'47.1"			
DE10337	38.00 L	11+35.06	DE5
	158.26	S 11°10'42.9" W	
DE10336	38.00 L	9+76.80	DE5
ARC LENGTH = 352.37			
CHORD BEAR = S 2°05'10.6" E			
LNTH CHORD = 349.23			
RADIUS = 761.00			
DEGREE = 7°31'44.4"			
DE10015	38.00 L	6+42.03	DE5
	25.39	S 56°24'32.0" W	
DE10058	62.16 L	6+34.71	DE5
	92.69	S 56°24'32.0" W	
107	150.94 L	6+11.45	DE5
REQ'D ESMT = 35987.48 SF			
REQ'D ESMT = 0.826 ACRES			

Parcel 5 Req'd R/W REQ'D R/W DE171

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
218	3.82 R	14+69.57	DE5
ARC LENGTH = 201.19			
CHORD BEAR = N 3°45'03.4" E			
LNTH CHORD = 201.00			
RADIUS = 1339.69			
DEGREE = 4°16'36.5"			
DE10025	6.91 L	16+70.20	DE5
	39.91	S 80°05'26.8" E	
DE10026	33.00 R	16+70.20	DE5
ARC LENGTH = 191.12			
CHORD BEAR = S 6°53'45.3" W			
LNTH CHORD = 191.03			
RADIUS = 1817.00			
DEGREE = 3°09'11.9"			
DE10027	33.00 R	14+75.61	DE5
	224.56	S 3°52'57.3" W	
DE10028	33.00 R	12+51.05	DE5
ARC LENGTH = 90.97			
CHORD BEAR = S 7°09'38.7" W			
LNTH CHORD = 90.92			
RADIUS = 795.00			
DEGREE = 7°12'25.3"			
DE10030	32.18 R	11+63.23	DE5
	310.22	N 0°33'04.5" W	
218	3.82 R	14+69.57	DE5
REQ'D R/W = 12174.44 SF			
REQ'D R/W = 0.279 ACRES			
REMAINDER = +/- 147.561 ACRES			

Parcel 4 Req'd R/W REQ'D R/W DE57

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10341	38.00 L	13+53.07	DE5
	122.53	N 3°52'57.3" E	
DE10023	38.00 L	14+75.61	DE5
ARC LENGTH = 103.21			
CHORD BEAR = N 5°26'55.3" E			
LNTH CHORD = 103.20			
RADIUS = 1888.00			
DEGREE = 3°02'05.0"			
DE10024	38.00 L	15+76.74	DE5
ARC LENGTH = 112.01			
CHORD BEAR = S 1°46'59.0" W			
LNTH CHORD = 111.98			
RADIUS = 1374.69			
DEGREE = 4°10'04.5"			
239	31.08 L	14+66.86	DE5
	113.33	S 0°33'04.5" E	
DE10342	22.32 L	13+53.87	DE5
	15.70	N 89°01'12.9" W	
DE10341	38.00 L	13+53.07	DE5
REQ'D R/W = 1646.50 SF			
REQ'D R/W = 0.038 ACRES			
REMAINDER = +/- 4.432 ACRES			

Ashford before driveway 6+83 REQ'D PERM. EASMT. DE126

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10083	67.92 R	6+72.91	DE5
	74.96	S 0°09'37.7" W	
DE10331	47.02 R	5+94.65	DE5
	17.18	N 73°23'09.7" W	
DE10374	33.00 R	6+05.16	DE5
ARC LENGTH = 56.84			
CHORD BEAR = N 15°54'59.8" W			
LNTH CHORD = 56.83			
RADIUS = 692.44			
DEGREE = 8°16'28.3"			
DE10066	33.00 R	6+64.72	DE5
	8.69	N 4°14'54.2" E	
DE10082	35.61 R	6+73.42	DE5
	32.32	N 77°58'12.5" E	
DE10083	67.92 R	6+72.91	DE5
REQ'D ESMT = 1775.73 SF			
REQ'D ESMT = 0.041 ACRES			

Parcel 5 Req'd R/W REQ'D R/W DE171

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
218	3.82 R	14+69.57	DE5
ARC LENGTH = 201.19			
CHORD BEAR = N 3°45'03.4" E			
LNTH CHORD = 201.00			
RADIUS = 1339.69			
DEGREE = 4°16'36.5"			
DE10025	6.91 L	16+70.20	DE5
	39.91	S 80°05'26.8" E	
DE10026	33.00 R	16+70.20	DE5
ARC LENGTH = 191.12			
CHORD BEAR = S 6°53'45.3" W			
LNTH CHORD = 191.03			
RADIUS = 1817.00			
DEGREE = 3°09'11.9"			
DE10027	33.00 R	14+75.61	DE5
	224.56	S 3°52'57.3" W	
DE10028	33.00 R	12+51.05	DE5
ARC LENGTH = 90.97			
CHORD BEAR = S 7°09'38.7" W			
LNTH CHORD = 90.92			
RADIUS = 795.00			
DEGREE = 7°12'25.3"			
DE10030	32.18 R	11+63.23	DE5
	310.22	N 0°33'04.5" W	
218	3.82 R	14+69.57	DE5
REQ'D R/W = 12174.44 SF			
REQ'D R/W = 0.279 ACRES			
REMAINDER = +/- 147.561 ACRES			

PERM ESMT PARCEL 5 STA. 16+00 REQ'D PERM. EASMT. DE100

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10071	35.78 R	11+44.60	DE5
	6.02	S 78°09'38.9" E	
DE10072	41.80 R	11+44.47	DE5
ARC LENGTH = 111.57			
CHORD BEAR = N 7°51'10.8" E			
LNTH CHORD = 111.48			
RADIUS = 805.00			
DEGREE = 7°07'03.0"			
DE10073	43.00 R	12+51.05	DE5
	224.56	N 3°52'57.3" E	
DE10074	43.00 R	14+75.61	DE5
ARC LENGTH = 190.07			
CHORD BEAR = N 6°53'45.3" E			
LNTH CHORD = 189.98			
RADIUS = 1807.00			
DEGREE = 3°10'14.8"			
DE10075	43.00 R	16+70.20	DE5
	33.00	N 80°05'26.8" W	
DE10026	33.00 R	16+70.20	DE5
ARC LENGTH = 191.12			
CHORD BEAR = S 6°53'45.3" W			
LNTH CHORD = 191.03			
RADIUS = 1817.00			
DEGREE = 3°09'11.9"			
DE10027	33.00 R	14+75.61	DE5
	224.56	S 3°52'57.3" W	
DE10028	33.00 R	12+51.05	DE5
ARC LENGTH = 90.97			
CHORD BEAR = S 7°09'38.7" W			
LNTH CHORD = 90.92			
RADIUS = 795.00			
DEGREE = 7°12'25.3"			
DE10030	32.18 R	11+63.23	DE5
	19.66	S 0°33'04.5" E	
DE10071	35.78 R	11+44.60	DE5
REQ'D ESMT = 3222.78 SF			
REQ'D ESMT = 0.120 ACRES			

DRWY ESMT STA. 6+83 REQ'D DRWY. EASMT. DE102

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10082	35.61 R	6+73.42	D5
DE10083	67.92 R	6+72.91	D5
DE10085	73.76 R	6+95.08	D5
DE10086	41.45 R	6+94.55	D5
DE10082	35.61 R	6+73.42	D5

DRWY ESMT STA. 11+39 REQ'D DRWY. EASMT. DE103

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10071	35.78 R	11+44.60	DE5
217	42.38 R	11+12.94	DE5
ARC LENGTH = 2.26			
CHORD BEAR = S 0°31'44.7" E			
LNTH CHORD = 2.26			
RADIUS = 1467.29			
DEGREE = 3°54'17.5"			
DE10076	42.84 R	11+10.73	DE5
DE10077	70.96 R	11+10.04	DE5
DE10078	71.54 R	11+33.29	DE5
DE10079	71.79 R	11+43.87	DE5
DE10072	41.80 R	11+44.47	DE5
DE10071	35.78 R	11+44.60	DE5

DRWY ESMT STA. 13+73 REQ'D DRWY. EASMT. DE104

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10080	43.00 R	13+36.66	DE5
DE10081	72.00 R	13+36.66	DE5
DE10087	72.00 R	13+89.73	DE5
DE10088	43.00 R	13+89.73	DE5
DE10080	43.00 R	13+36.66	DE5

Peachtree Turn Lane REQ'D R/W DE125

PNT	OFFSET/DIST	STATION/BEARING	ALIGNMENT
DE10037	36.70 L	3+82.52	PEACHTREE BLVD