



WINTERS CHAPEL ROAD MULTI-USE TRAIL -PHASE 1

ADDRESS: 5404-5400 WINTERS CHAPEL ROAD
DUNWOODY, GA 30360
LAND LOTS 311 OF THE 4TH DISTRICT
DEKALB COUNTY, GEORGIA

DISTURBED AREA: 2.75 ACRES
PROJECT AREA: 7.5 ACRES

OWNER:

NAME: CITY OF DUNWOODY
ADDRESS: 4800 ASHFORD DUNWOODY RD
ATLANTA, GA 30338
PHONE: 678-382-6700

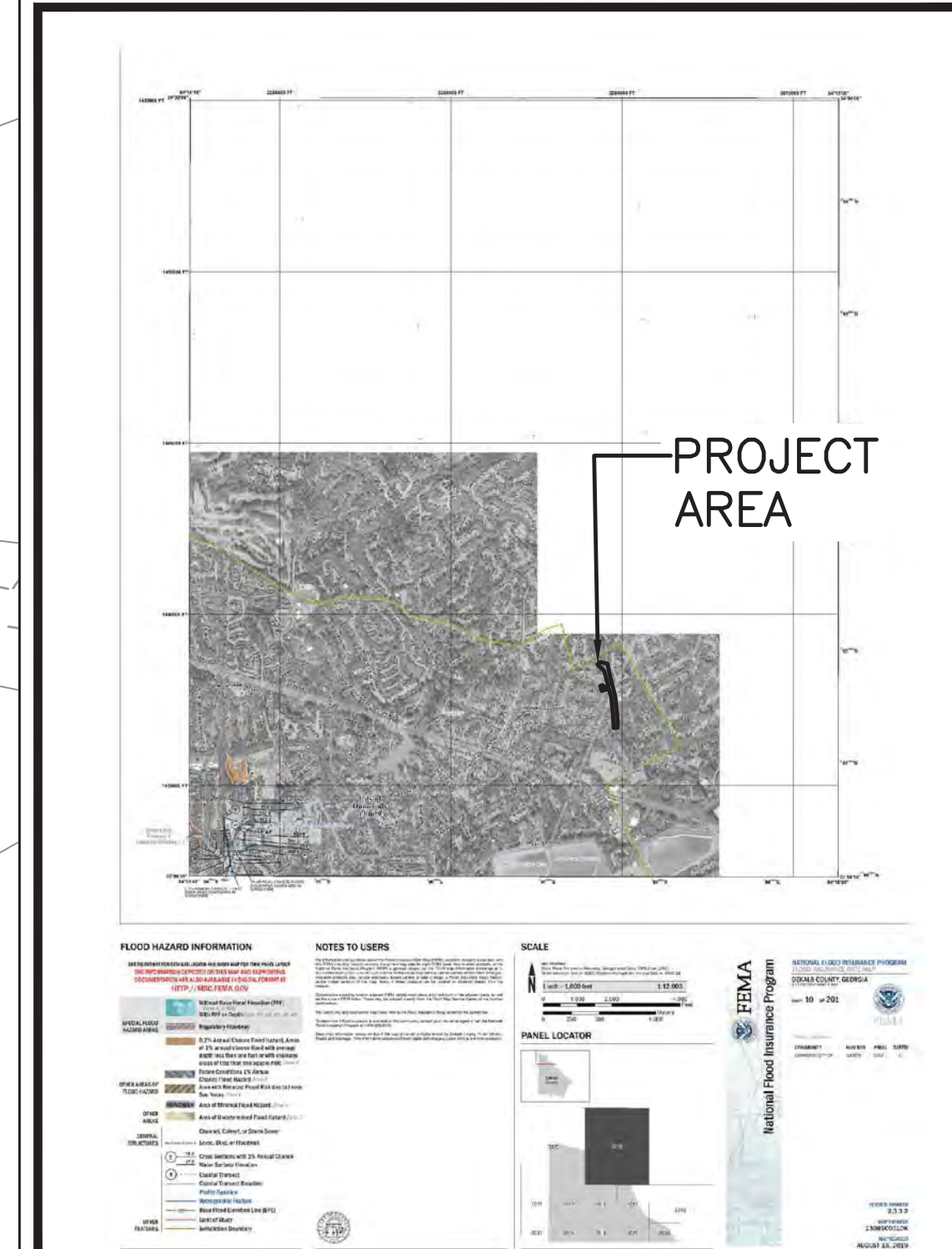
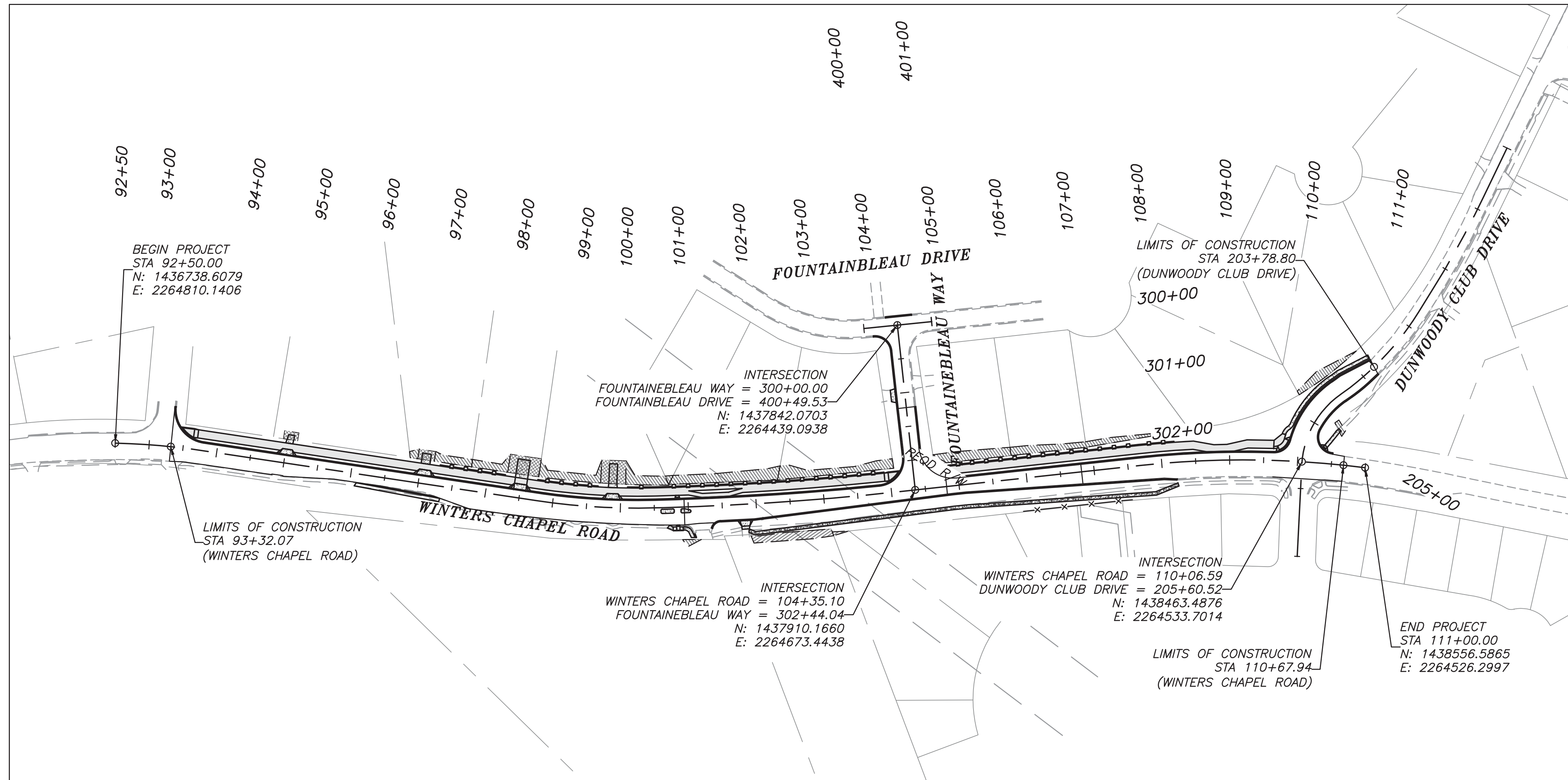
PLANS COMPLETED ON: 09/03/2020



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WITHOUT THE WRITTEN PERMISSION AND CONSENT OF THE ENGINEERING FIRM. FOR USE THEY ARE TO BE ASSIGNED TO ANY PARTY WITHOUT WRITTEN PERMISSION AND CONSENT.
For Site: Transportation.ch. Printed By: Scot McElally on 03/20/20, 2:15 PM

WINTERS CHAPEL SPEED DESIGN: 40 MPH



FEMA STATEMENT

SIGHT DISTANCE CERTIFICATION:

I, [Signature], HEREBY CERTIFY THAT THE PROPOSED ROADWAYS AND DRIVEWAYS ALONG THE PROPOSED PROJECT LIMITS ARE DESIGNED TO PROVIDE ADEQUATE SIGHT DISTANCE.

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

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY 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 DUNWOODY IN ANY WAY.

ALL WORK TO BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE DEPARTMENT OF TRANSPORTATION OF GEORGIA, CURRENT EDITION, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION. - AND, AS MODIFIED BY CONTRACT DOCUMENTS.

LENGTH OF PROJECT	MILES
NET LENGTH OF ROADWAY	0.35
NET LENGTH OF BRIDGES	0.00
NET LENGTH OF PROJECT	0.35
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	0.35

THIS PROJECT IS LOCATED 100% IN CITY OF DUNWOODY, DEKALB COUNTY
THIS PROJECT IS LOCATED 100% IN THE 4TH DISTRICT
FUNCTIONAL CLASSIFICATION: LOCAL
FEDERAL ROUTE NO. N/A
STATE ROUTE NO. N/A

THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAP FOR THIS AREA. THE MAP NUMBER FOR THIS AREA IS 13089C0010K AND THE DATE OF SAID MAP IS AUGUST 15, 2019.

REQUIRED ENGINEER'S INSPECTION

AS PER THE GEORGIA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION DIVISION, NPDES GENERAL PERMITS FOR CONSTRUCTION ACTIVITY GARI00001, GARI00002, & GARI00003: PART IV, A., 7. REQUIRES THE EROSION CONTROL PLAN DESIGN PROFESSIONAL TO MAKE A SITE INSPECTION, FOR STAND ALONE PROJECTS THAT BEGIN CONSTRUCTION ACTIVITY AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL TO INSPECT THE INSTALLATION OF THE CONTROL MEASURES (BMP'S) WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER THE INITIAL CONSTRUCTION ACTIVITIES COMMENCE. FOR CONSTRUCTION ACTIVITIES WHERE CONSTRUCTION BEGAN ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THE INSPECTION IS TO OCCUR WITHIN SEVEN (7) DAYS AFTER THE PLAN HAS BEEN IMPLEMENTED. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITEE WITHIN SEVEN (7) DAYS AND THE PERMITEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.



24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700

WINTERS CHAPEL ROAD
MULTI-USE TRAIL
CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4TH DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE

SEAL

 GSWCC CERT #78081

SHEET TITLE
COVER SHEET

DRAWN BY SMM	CHECKED BY KAK
SCALE AS SHOWN	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER C-000	
SHEET 1 of 51	

Drawing Location: P:\Materials\1588.003\City of Dunwoody\1588.003\Winters Chapel Multi-Use Trail\Engineering\Design\1588.03 Cover Sheet and Notes.dwg

CITY OF DUNWOODY GENERAL NOTES:

- ALL WORK TO BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, CURRENT EDITION, AND SUPPLEMENTS THERETO, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY UNDER THIS REQUIREMENT, EXCEPT AS NOTED BELOW. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED, OR REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE FROM STREET MAINS TO ABUTTING PROPERTY. WHEN SUCH FACILITIES ARE NOT SHOWN ON THE PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING, PROVIDING THAT THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF THE WORK.
- UTILITY WORK COORDINATION WILL BE REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR WILL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 811, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUBSECTION 105.06 OF THE GDOT STANDARD SPECIFICATIONS "COOPERATION WITH UTILITIES".
- THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:
 - ATLANTA GAS & LIGHT CO.
10 PEACHTREE PLACE NE, SUITE 1000
ATLANTA, GA 30309
TITO CINTRON
470-218-5996
 - DEKALB COUNTY WATER AND SEWER
1580 ROUNDAVEN DRIVE
STONE MOUNTAIN, GA 30083
BARON SAUSSY
404-731-3562
 - DEKALB COUNTY TRAFFIC AND SAFETY
BRITT DANIEL
678-758-7794
 - AT&T
2300 NORTHLAKE CENTER DRIVE
TUCKER, GA 30309
ANGELO HINES
770-784-3972
 - ZAYO FILBER SOLUTIONS TELECOM
1175 PEACHTREE STREET NE
100 COLONY SQUARE, SUITE 1920
DEWAYNE BEGLEY
470-249-5124
 - GEORGIA POWER ELECTRIC
829 JEFFERSON STREET
BIN 39066
ATLANTA, GA 30318
NO CONTACT NAME
404-506-6502
 - LEVEL 3 TELECOM
345 COURTLAND STREET
ATLANTA, GA 30308
NO CONTACT NAME
8773668344 EXT. 3
- THE GRADING COMPLETE QUANTITY IS A LUMP SUM THAT INCLUDES CUT, FILL, SAW CUTTING, SELECTIVE DEMOLITION, AND ALL CLEARING AND GRUBBING REQUIRED FOR THE PROJECT. SEE GDOT SPECIFICATION SECTION 210 FOR COMPLETE DETAILS.
- THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECT TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENT TO RETARD DUST. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- THE TOTAL AREA SHOWN ON THE PLANS FOR GRASSING IS FOR INFORMATION ONLY. THE CITY OF DUNWOODY ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL DETERMINE THE ACTUAL AREA TO BE GRASSED. NO CLAIMS WILL BE CONSIDERED FOR COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS.
- TYPE OF GRASS OR SOD USED ON THIS PROJECT WILL BE REQUIRED TO MATCH ANY TYPE OF GRASS OR SOD WHICH MAY BE PLANTED AND GROWING ON THE ADJACENT LAWN. (I.E. BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA, ETC.). NO SEPARATE PAYMENT SHALL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
- HORIZONTAL CONTROL IS BASED UPON GEORGIA STATE PLANE COORDINATE SYSTEM.
- SHOULD A DRIVEWAY BE DAMAGED DUE TO CONSTRUCTION, THE DRIVEWAY SHALL BE REPLACED, IN KIND, (I.E. ASPHALT FOR ASPHALT AND CONCRETE FOR CONCRETE; EXCEPT EARTH AND GRAVEL DRIVEWAYS SHALL BE REPLACED WITH ASPHALT TO THE CONSTRUCTION LIMITS). THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. WHERE REQUIRED, THE DRIVES SHALL BE PAVED AS FOLLOWS:
 - ASPHALTIC DRIVES
RESIDENTIAL - 1-1/2" RECYCLED ASPHALTIC CONCRETE, 9.5MM SUPERPAVE, GP 2 ONLY, INCL. BITUM. MAT'L & H. LIME 6" GRADED AGGREGATE BASE
 - COMMERCIAL - 1-1/2" RECYCLED ASPHALTIC CONC. 19MM SUPERPAVE, GP 1 OR 2 INCL. BITUM. MAT'L & H. LIME 8" GRADED AGGREGATE BASE
 - CONCRETE DRIVES
RESIDENTIAL - 6" CONCRETE VALLEY GUTTER 6" CONCRETE DRIVEWAY
 - COMMERCIAL - 8" CONCRETE VALLEY GUTTER 8" CONCRETE DRIVEWAY
- ALL DRIVEWAYS SHALL BE PAVED TO THE LIMITS OF CONSTRUCTION.
- WHERE WET SUBGRADE IS ENCOUNTERED AND IDENTIFIED BY THE ENGINEER, UNDERDRAIN PIPE WITH DRAINAGE AGGREGATE SHALL BE PLACED AS DIRECTED BY THE ENGINEER TO AID IN DEWATERING THE SUBGRADE. 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 PIPE NO LONGER IN USE SHALL BE REMOVED, UNLESS OTHERWISE NOTED ON PLANS, OR AS DIRECTED BY THE ENGINEER. ALL COST FOR REMOVAL SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR GRADING COMPLETE.
- NO SEPARATE PAYMENT SHALL BE MADE FOR THE REMOVAL OF ANY REQUIRED TEMPORARY PIPE OR DRAINAGE STRUCTURES. ALL COSTS ASSOCIATED WITH SUCH REMOVALS SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.
- IN AREAS WHERE TYPE 2 CURB IS USED, DRAINAGE STRUCTURES 1033D AND 1034D WILL BE REQUIRED. IN AREAS WHERE CURB TYPE 7 IS USED, DRAINAGE STRUCTURES 1033G AND 1034G WILL BE REQUIRED.
- AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWS ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE PAVEMENT REMOVAL TO A NEAT LINE. THE COST FOR SAWS JOINTS, WHEN REQUIRED, SHALL BE INCLUDED IN THE GRADING COMPLETE QUANTITY.
- WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 104.5 AND 107.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.
- THE BID PRICE FOR TRAFFIC CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO; CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR ADDITIONAL DETOUR SIGNAGE NOT SHOWN ON DETOUR PLAN.
- ALL CUT AND FILL SLOPES SHALL BE GRASSED, AS DIRECTED BY THE ENGINEER, IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED, REMOVED, OR REGRADED AS REQUIRED BY THE ENGINEER, EXCEPT DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS. NO SEPARATE PAYMENT SHALL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

- 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.
- SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. EROSION CONTROL GATES SHALL BE PLACED IMMEDIATELY AFTER DRAINAGE STRUCTURES ARE IN PLACE. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO PLANS AND AS DIRECTED BY THE ENGINEER. SEE THE GEORGIA STANDARD SPECIFICATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", CURRENT EDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEP WETLAND AREAS FREE FROM SILTATION. THE CONTRACTOR SHALL OBTAIN AND ABIDE BY ALL CORPS OF ENGINEERS RULES AND REGULATIONS CONCERNING CONSTRUCTION ADJACENT TO WATERS AND MAINTAIN WATER QUALITY.
- THIS PROJECT HAS A TOTAL AREA OF 7.5-ACRES AND THE EXPECTED DISTURBED AREA IS 2.75 ACRES. THE TOTAL AREA IS THE TOTAL AREA OF RIGHT-OF-WAY AND EASEMENTS, AND THE DISTURBED AREA IS ASSOCIATED WITH CLEARING, GRADING, EXCAVATING, FILLING OF LAND, OR OTHER SIMILAR ACTIVITIES THAT MAY RESULT IN SOIL EROSION, AS DEFINED UNDER "CONSTRUCTION ACTIVITIES" IN THE STATE OF GEORGIA NATURAL POLLUTANT DISCHARGE SYSTEM (NPDES) GENERAL PERMIT NO. GAR100002.
- AGGREGATE SURFACE COURSE FOR TEMPORARY DRIVEWAYS, INCLUDING MATERIAL, HAUL, AND PLACEMENT SHALL BE USED AT THE ENGINEER'S DIRECTION TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC THROUGH THE CONSTRUCTION AREA DURING INCLEMENT WEATHER. WHEN USED FOR THIS PURPOSE, SECTION 318 OF THE GEORGIA DOT STANDARD SPECIFICATIONS IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPREPARED WET, MUDDY SUBGRADE. SECTION 318 IS FURTHER MODIFIED TO PERMIT THE USE OF CRUSHER STONE AS DESCRIBED IN SECTION 318.02. THE CONTRACTOR WILL HAVE THE USE OF THE FOLLOWING MATERIALS:
 - A.GRADED AGGREGATE, ARTICLE 815.2.01
 - B.COURSE AGGREGATE, SIZE 467, ARTICLE 800.2.01
 - C.STABILIZED AGGREGATE, TYPE I OR TYPE II, SECTION 803.2 OR SECTION 803.2.02.
 - D.CRUSHED STONE, ARTICLE 806.2.01
- CONSTRUCTION LAYOUT WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.
- CITY OF DUNWOODY PUBLIC WORKS DIVISION SHALL BE NOTIFIED A MINIMUM OF 72-HOURS IN ADVANCE OF ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE THIS ACTION WITH THE PROJECT ENGINEER.
- THE GEORGIA DOT STANDARDS AND CONSTRUCTION DETAILS REQUIRED FOR THIS PROJECT ARE LISTED ON 2-01 WITH THE LATEST KNOWN REVISION DATE, BUT ARE NOT INCLUDED AS PART OF THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ON THE PROJECT SITE, THE GEORGIA DOT STANDARD DRAWINGS AND THE CONSTRUCTION DETAIL DRAWINGS LISTED IN THE PLAN SET. FULL SIZED SHEETS MAY BE PURCHASED BY THE CONTRACTOR AT HIS EXPENSE FROM THE GEORGIA DOT.
- COORDINATE WITH THE CITY OF DUNWOODY FOR INSPECTIONS DURING CONSTRUCTION.
- THE 24-HOUR EMERGENCY CONTACT NUMBER FOR THE CITY OF DUNWOODY IS 647-382-6700.
- A NOTICE OF INTENT (NOI) FOR STORM WATER DISCHARGE IS REQUIRED FOR THIS PROJECT.
- THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF THE EXISTING CONSTRUCTION DEBRIS. THIS COST SHOULD BE INCLUDED IN GRADING COMPLETE.
- THE CONTRACTOR IS RESPONSIBLE TO CONSTRUCT ROADWAY.
- THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATIONS IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- HANDICAP RAMPS SHALL BE CONSTRUCTED AT ALL POINTS WHERE SIDEWALK TERMINATES AT CURB OR IS BISECTED BY DRIVEWAYS, IF NECESSARY. THE TYPE OF RAMP MAY BE MODIFIED BY THE ENGINEER.
- 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 LANDFILL OR IN ALL ENGINEERED FILL.
- CONTRACTOR IS TO POTHOLE EXISTING UTILITIES, INCLUDING ANY ASSUMPTIONS NOTED IN THESE PLANS, AND PROVIDE ANY DISCREPANCIES IN WRITING TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION, OR PROVIDE NOTICE OF AREAS THAT ARE NOT ABLE TO BE CONFIRMED UNTIL AFTER CONSTRUCTION COMMENCES.
- ALL PROPOSED STORM PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP). INSTALLATION OF THE PROPOSED PIPE SHALL CONFORM TO THE LATEST MATERIAL AND INSTALLATION SPECIFICATIONS PUBLISHED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION.
- FOR PIPES UNDER EXISTING PAVEMENT, THE PAVEMENT CUT, BEDDING, BACKFILL, LABOR, AND ROADWAY WORK SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE PIPE.
- MAILBOXES TO BE RESET WITHIN LANDSCAPE STRIP ADJACENT TO SIDEWALK SO AS NOT TO INTRUDE INTO THE STREET OR SIDEWALK. CONTRACTOR RESPONSIBLE FOR DAMAGES TO MAILBOXES.
- CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING SPRINKLER HEADS WITHIN THE CONSTRUCTION LIMITS. SPRINKLER HEAD REPAIR OR REPLACEMENT SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE. ANY SPRINKLERS MUST BE RESET SUCH THAT THEY ARE 12-INCHES BEHIND THE SIDEWALK AND WILL NOT SPRAY ACROSS THE SIDEWALK. ANY TREES CALLED TO BE TRANSPLANTED SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.
- CONTRACTOR SHALL PROVIDE 48-HOURS ADVANCED NOTICE TO PROPERTY OWNERS BEFORE INITIAL WORK IS DONE AT THESE MILESTONES:
 - 43.1. IN FRONT OF PROPERTY
 - 43.2. REMOVAL OF DRIVEWAY
 - 43.3. POURING OF DRIVEWAY
 - 43.4. IRRIGATION LINES
 - 43.5. UTILITY OUTAGES

CITY OF DUNWOODY GENERAL SIGNING AND MARKING NOTES:

- 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 EDITIONS, AND THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
- 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 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 CITY OF DUNWOODY.
- 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.
- 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).
- ALL STRIPING, DIRECTIONAL ARROWS, ETC. SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED. ALL STRIPING SHOULD BE INSTALLED PER GDOT SPECIFICATIONS.
- SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48-INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 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 1/8" 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.
- 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 SIGN STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.
- SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS, REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.
- TYPE 3 (HIGH INTENSITY) REFLECTING SHEET SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS, EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
- TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3A, R1-4A, R5-1, R5-1).
- TYPE 11 (VERY HIGH INTENSITY) FLOURESCENT YELLOW-GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (W11-1) SIGNS AND PEDESTRIAN CROSSINGS (W11-2 AND W11A-2) SIGNS, BICYCLE CROSSING (W11-1) SIGNS, AND PEDESTRIAN CROSSING (W11-2 AND W11A-2) SIGNS. SIGNS WITHIN THE SAME ASSEMBLY AS THE SCHOOL ZONE SIGNS SPECIFICALLY LISTED ABOVE AND ALL REGULATORY REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.
- TYPE 9 (VERY HIGH INTENSITY) YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL OTHER WARNING SIGNS.
- A 1/2-INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY. 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.
- 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 FOR THE ASSEMBLY.
- FOR DETAILS OF SPECIFIC DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.
- CONTRACTOR WILL, AS REQUESTED BY THE CITY, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR CONTRARY TO THESE SIGN PLANS.

CITY OF DUNWOODY GENERAL TRAFFIC CONTROL NOTES:

- COSTS TO ADHERE TO THESE GENERAL NOTES IS INCLUDED IN THE PRICE FOR THE TRAFFIC CONTROL.
- ALL TRAFFIC CONTROL DEVICES AND METHODS SHALL BE IN ACCORDANCE WITH THE MANUAL OF TRAFFIC CONTROL DEVICES.
- TRAFFIC CONTROL PLANS:
 - THE OWNER AND ENGINEER RESERVE THE RIGHT TO MODIFY THE TRAFFIC CONTROLS NECESSARY IN THE INTEREST OF PUBLIC SAFETY OR TRAFFIC EFFICIENCY.
 - PRIOR TO BEGINNING WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL TRAFFIC CONTROL DEVICES AND MEASURES COMPLY WITH THE APPROVED TRAFFIC CONTROL PLANS.
- THE CONTRACTOR SHALL CHECK ALL TRAFFIC CONTROL DEVICES AND WORK ZONES AFTER EACH WORK DAY TO ENSURE PROPER OPERATION. ON WEEKENDS, HOLIDAYS, OR ANY NON-WORKING DAYS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING MAINTENANCE AND CONTROL DEVICES DAILY FOR PROPER OPERATION.
- TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE CITY OF DUNWOODY. RESIDENT, MAIL AND PARCEL DELIVERY SERVICE, TRASH PICKUP, AND EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES, REGARDLESS OF THE STREET CLOSURES IN EFFECT.
- DURING NON-WORKING HOURS OR DAYS, ALL EXCAVATED AREAS ARE TO BE BACKFILLED AND PROTECTED USING APPROVED SAFETY DEVICES AND MATERIALS.
- WHEN THE USE OF TYPE III BARRICADES IS REQUIRED (DAY OR NIGHT), ALL BARRICADES SHALL BE EQUIPPED WITH TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS.
- ALL CONTRACTOR EMPLOYEES EXPOSED TO VEHICULAR TRAFFIC SHALL BE PROVIDED WITH AND REQUIRED TO WEAR WARNING VESTS MARKED WITH OR MADE OF REFLECTORIZED OR HIGH VISIBILITY MATERIALS.
- FOR CONSTRUCTION OPERATIONS LASTING LONGER THAN 14 CALENDAR DAYS, THE CONTRACTOR SHALL INSTALL "ROAD WORK AHEAD" SIGNS (W21-4, 48" X 48") AND "END ROAD WORK" (G20-2A, 48" X 24") WARNING SIGNS ON 6' X 6' WOODEN GROUND MOUNTED POSTS. THESE SIGNS MUST BE INSTALLED PRIOR TO THE BEGINNING OF WORK AND SHALL BE REMOVED AFTER COMPLETION OF ALL CONSTRUCTION AND RESTORATION ACTIVITIES.
- ANY TRAFFIC CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO, PAVEMENT MARKINGS, SIGNS, AND TRAFFIC CONTROL SIGNAL EQUIPMENT AND LOOPS THAT IS DAMAGED OR DESTROYED BY THE CONTRACTOR MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE, UNLESS THEIR REMOVAL OR DESTRUCTION IS CALLED FOR BY THE CONTRACTOR DOCUMENTS.
- WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERNS USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DETOUR SIGNAGE MAY BE REQUIRED IN ORDER TO CONFORM TO THE MUTCD.
- PEDESTRIAN AND LOCAL VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SAFETY DEVICES AND FLAG-MEN SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE. WRITTEN PERMISSION TO CLOSE THE CONSTRUCTION AREA TO TRAFFIC MUST BE OBTAINED FROM THE CITY OF DUNWOODY PRIOR TO THE CLOSING. ALL LOCAL EMERGENCY SERVICES SHALL BE IN WRITING A MINIMUM OF 72 HOURS PRIOR TO ROAD CLOSINGS.
- DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY TRAFFIC CONTROL MEASURES TO ENSURE SAFETY AT ALL TIMES FOR EMPLOYEES, RESIDENTS, AND MOTORISTS IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", ANSI DS.1, LATEST REVISION.
- CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF DUNWOODY FOR APPROVAL BY THE CITY.



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARLETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620
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**WINTERS CHAPEL ROAD
MULTI-USE TRAIL**

CHARMANT PLACE TO DUNWOODY CLUB DRIVE

LAND LOT(S) 311

OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE

SHEET TITLE
GENERAL NOTES

DRAWN BY SMM	CHECKED BY KAK
SCALE N/A	ISSUE DATE 09/03/2020

PROJECT NUMBER
1588.03

DRAWING NUMBER
C-003

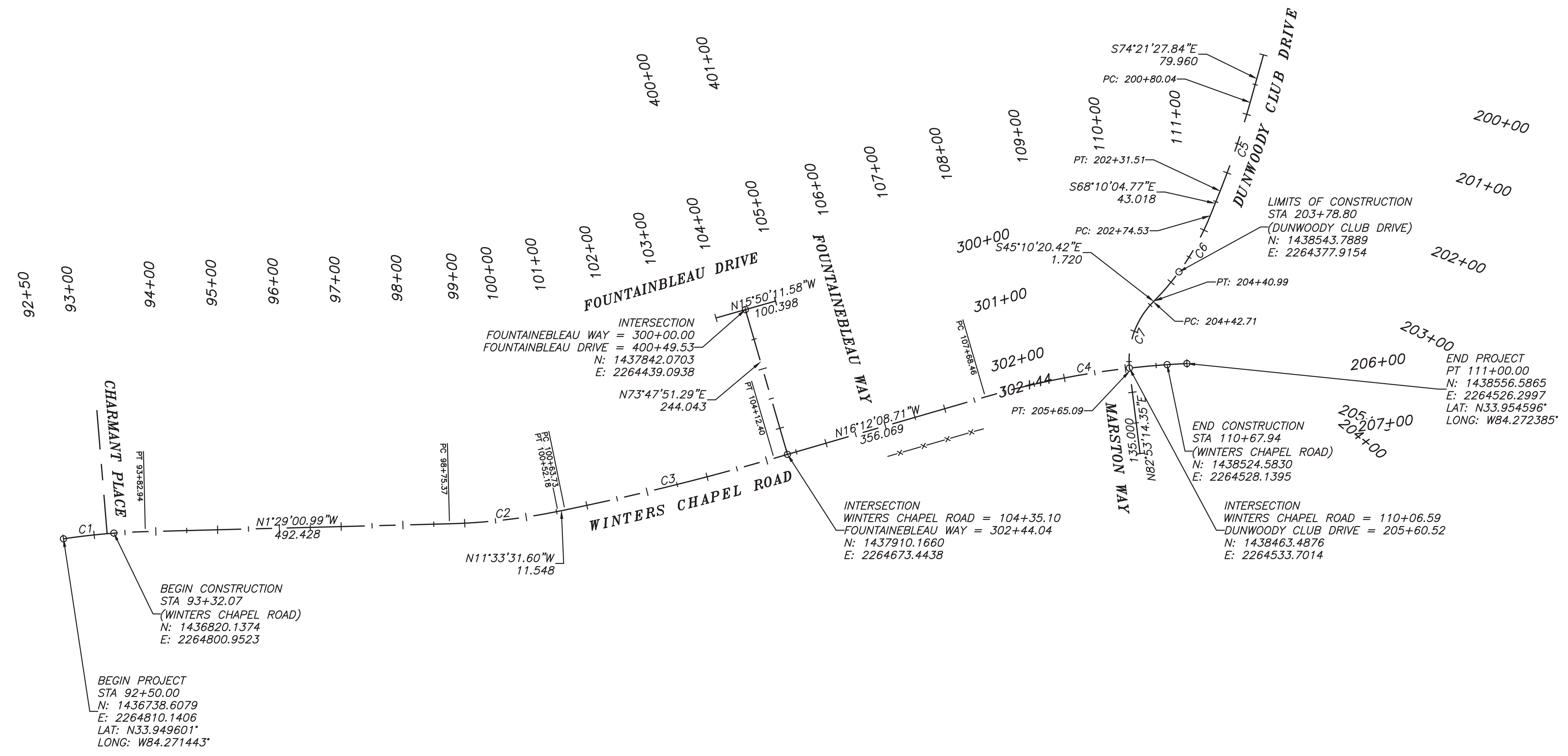
SHEET 4 of 51

24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700

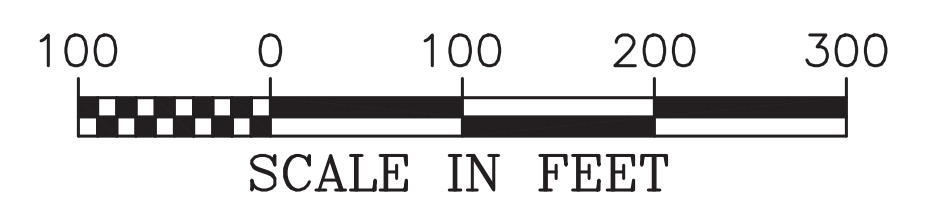


**Know what's Below.
Call before you dig.**

CURVE NO.= 1 PI STA.= 93+16.56 N= 1436804.4028 E= 2264800.0685 Δ= 7°21'55.3" D= 5'32'25.4" T= 66.56 L= 132.94 R= 1034.14	CURVE NO.= 2 PI STA.= 99+64.00 N= 1437451.8132 E= 2264783.4698 Δ= 10°04'30.6" D= 5'41'53.7" T= 88.63 L= 176.81 R= 1005.50	CURVE NO.= 3 PI STA.= 102+38.16 N= 1437720.8581 E= 2264728.4515 Δ= 4°38'45.1" D= 1°19'56.9" T= 174.43 L= 348.67 R= 4300.00	CURVE NO.= 4 PI STA.= 109+35.01 N= 1438390.2170 E= 2264533.9542 Δ= 13°34'05.4" D= 4°05'33.2" T= 166.55 L= 331.53 R= 1400.00	CURVE NO.= 5 PI STA.= 201+55.85 N= 1438638.4750 E= 2264176.7000 Δ= 6°11'56.6" D= 4°05'33.2" T= 75.81 L= 151.47 R= 1400.00	CURVE NO.= 6 PI STA.= 203+58.90 N= 1438562.8803 E= 2264365.3078 Δ= 22°58'55.8" D= 13°48'22.4" T= 84.37 L= 166.46 R= 415.00	CURVE NO.= 7 PI STA.= 205+08.47 N= 1438455.8350 E= 2264472.9990 Δ= 51°56'25.2" D= 42°26'28.7" T= 65.76 L= 122.38 R= 135.00
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24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

**WINTERS CHAPEL ROAD
MULTI-USE TRAIL**
CHARMANT PLACE TO DUNWOODY CLUB DRIVE

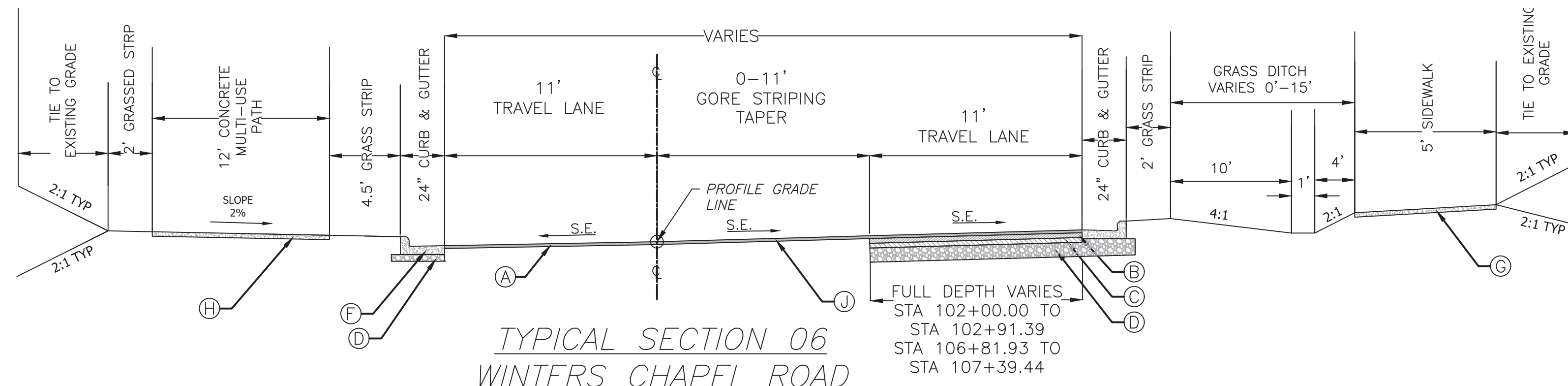
LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY, GA

NO.	REVISION REFERENCE	DATE

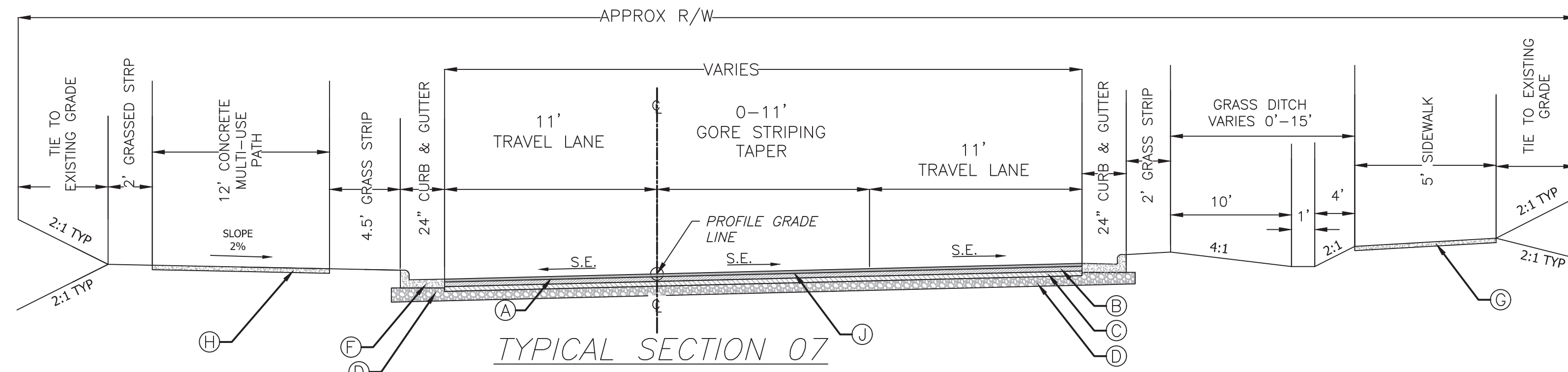
SHEET TITLE
CONSTRUCTION LAYOUT

DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=100'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER C-004	
SHEET 5 of 51	

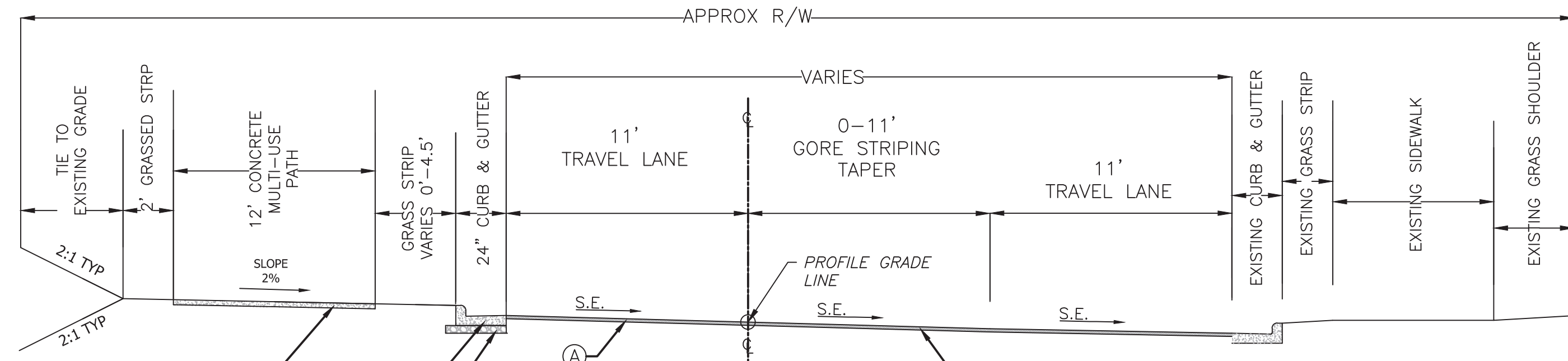
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 Plot Scale: 1"=100', Drawing Rotation: 0.0°, Plot Style: Transportation.ctb, Plotted By: Scot McElroy on 09/03/2020, 2:05 PM



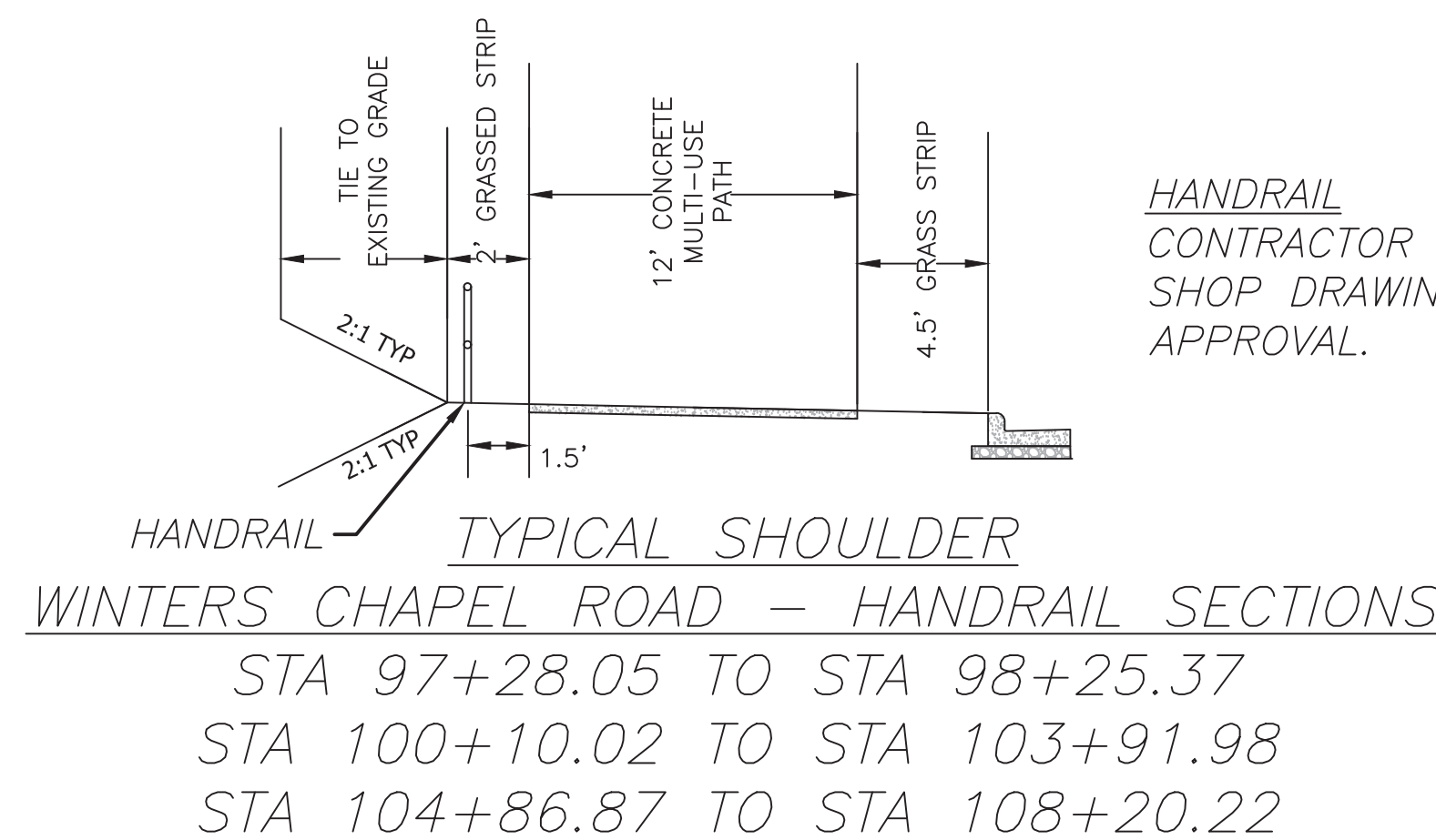
TYPICAL SECTION 06
WINTERS CHAPEL ROAD
STA 101+87.13 TO STA 104+81.59
STA 106+81.39 TO STA 108+21.72



TYPICAL SECTION 07
WINTERS CHAPEL ROAD
STA 104+81.59 TO STA 106+81.39

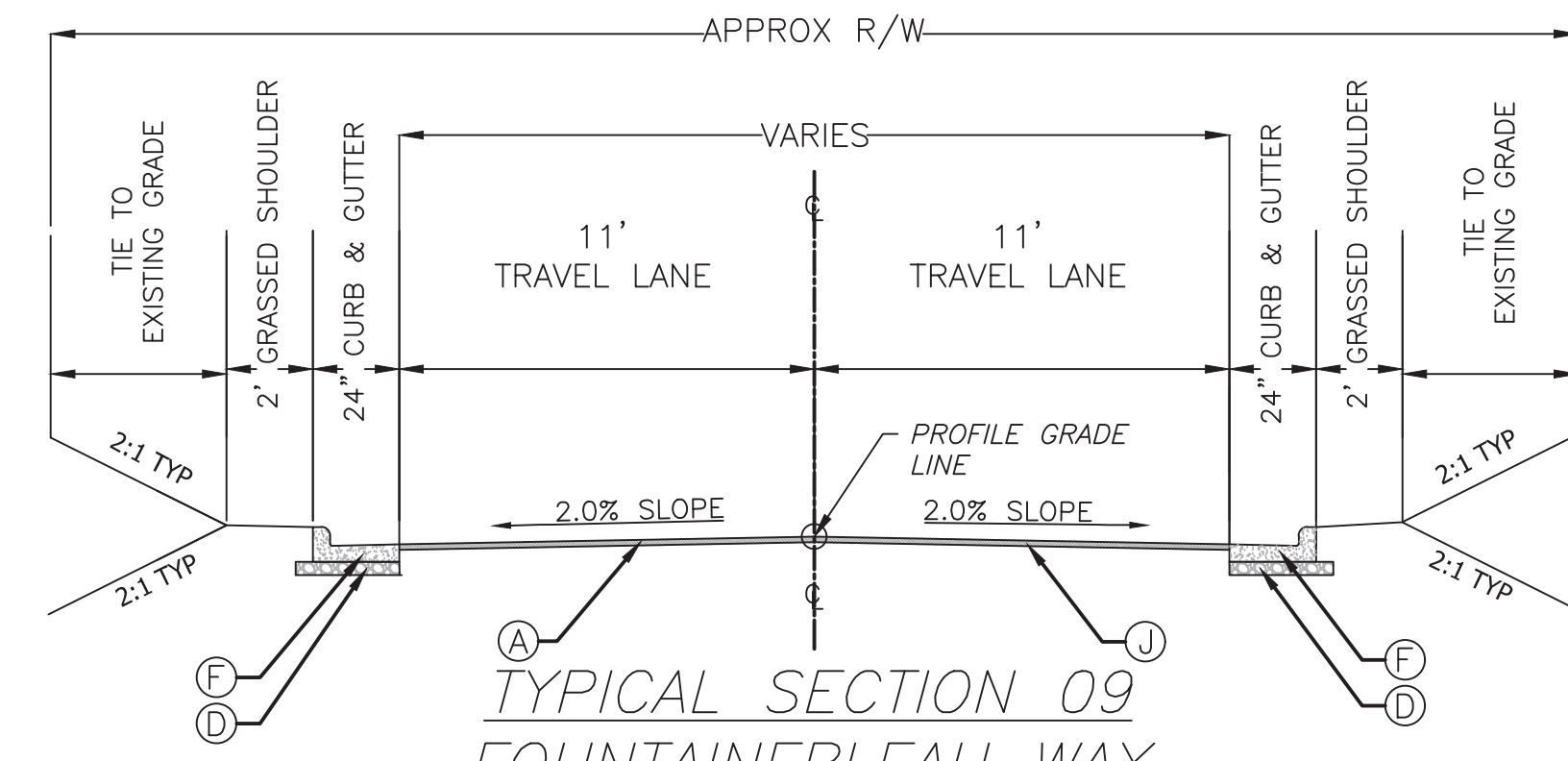


TYPICAL SECTION 08
WINTERS CHAPEL ROAD
STA 108+21.72 TO STA 110+50.60

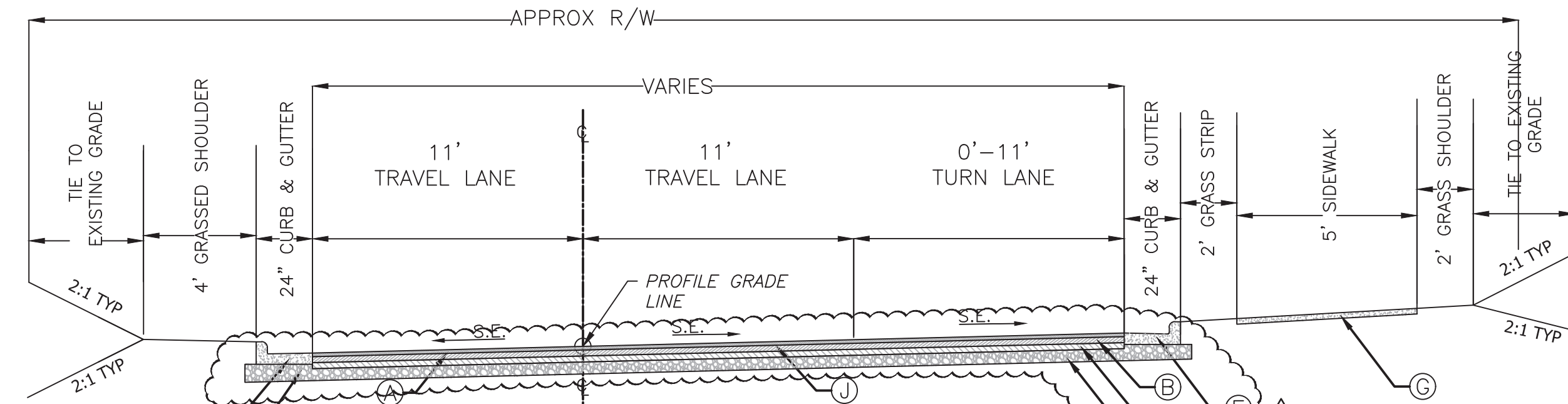


24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700

This project will require Three Point Levels for the Leveling course. Before beginning construction take three-point levels of the pavement throughout the length to be retained, using 50 ft. intervals. The City reserves the right to adjust these intervals according to existing field conditions. From the three-point levels, prepare a graphic grade plot that "best fits" the existing pavement to minimize the leveling requirements of the existing roadway. Cross slopes may be varied within the ranges shown on the plans or adjusted by the City to produce the "best fit." Furnish data to the City for approval before beginning widening and reconstruction. After approval of proposed markups, ensure that three-point point markups are in place before beginning any leveling activities. The cost for all construction layout is considered incidental to the overall cost for the project.



TYPICAL SECTION 09
FOUNTAINBLEAU WAY
STA 301+22.15 TO STA 301+82.45



TYPICAL SECTION 10
DUNWOODY CLUB DRIVE
STA 203+78.80 TO STA 205+60.52

- (A) 1.5" RECYCLED ASPHALTIC CONCRETE 12.5mm SUPERPAVE, INCL BITUM MATL & H LIME (165 LB/SY)
- (B) 2" RECYCLED ASPHALTIC CONCRETE 19 mm SUPERPAVE, INCL BITUM MATL & H LIME (220 LB/SY)
- (C) 4" RECYCLED ASPHALTIC CONCRETE 25 mm SUPERPAVE, INCL BITUM MATL & H LIME (440 LB/SY)
- (D) GRADED AGGREGATE BASE 10"
- (E) GRADED AGGREGATE BASE 6"
- (F) CONCRETE CURB & GUTTER, 8 IN X 24 IN, TP 2
- (G) 4" CONCRETE SIDEWALK
- (H) 6" CONCRETE MULTI-USE PATH
- *NOTE: 8" CONCRETE MULTI-USE PATH TO BE USED ALONG RADII
- (I) RECYCLED ASPHALTIC CONCRETE LEVELING, INCL BITUM MATL & H LIME (AS REQ'D)
- (J) VARIABLE DEPTH MILLING
- (K) CLASS B CONCRETE WIDENING (AS REQ'D)

Engineers
Planners
Surveyors

CROY
ENGINEERING

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

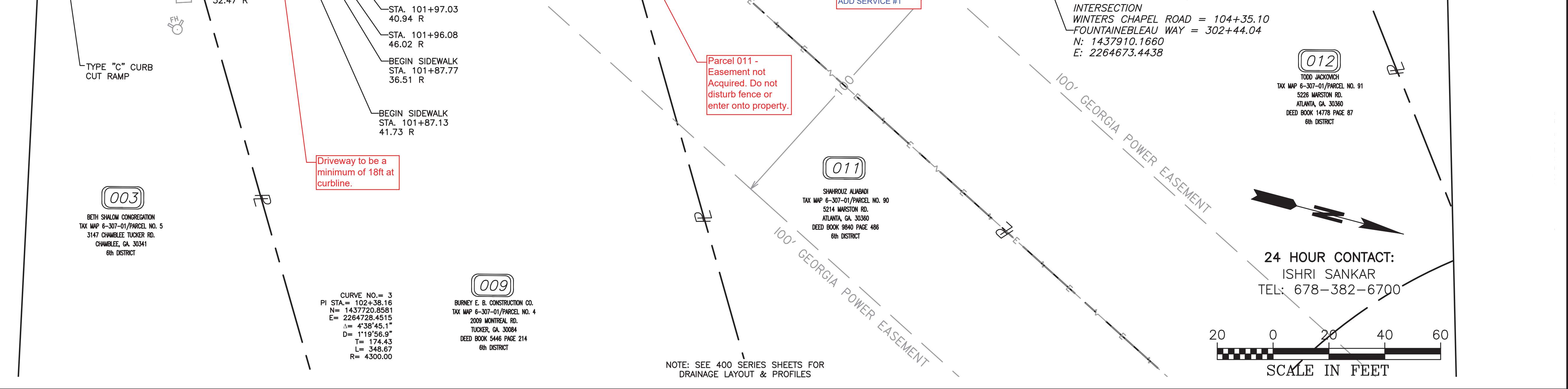
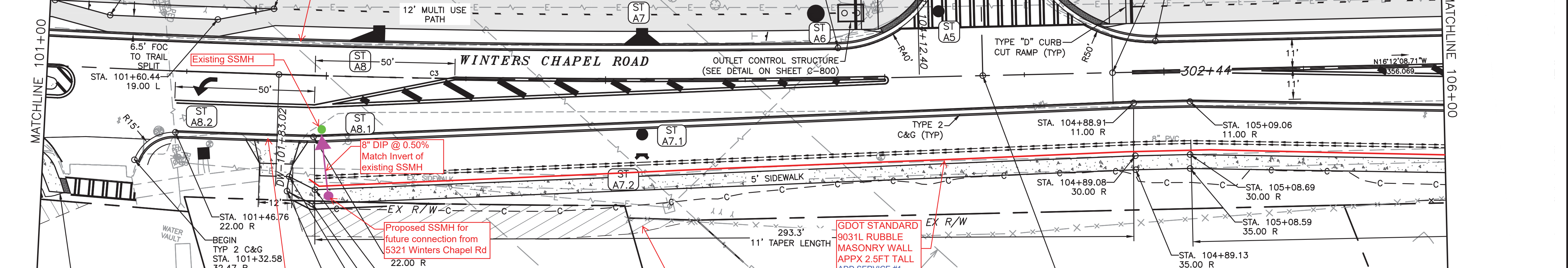
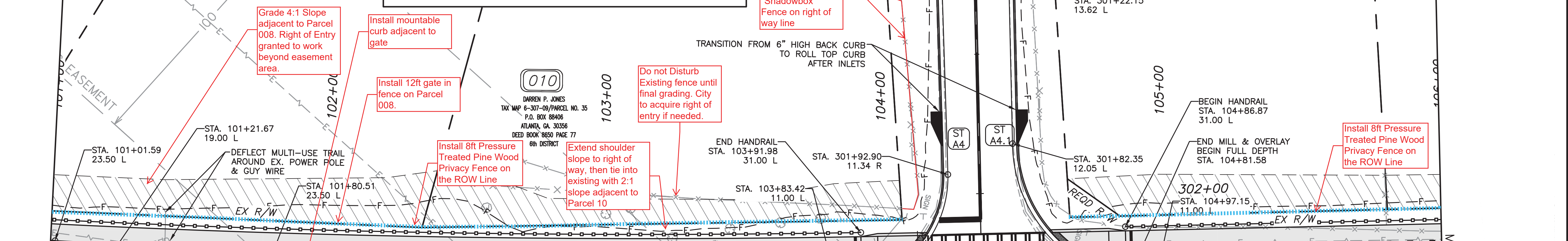
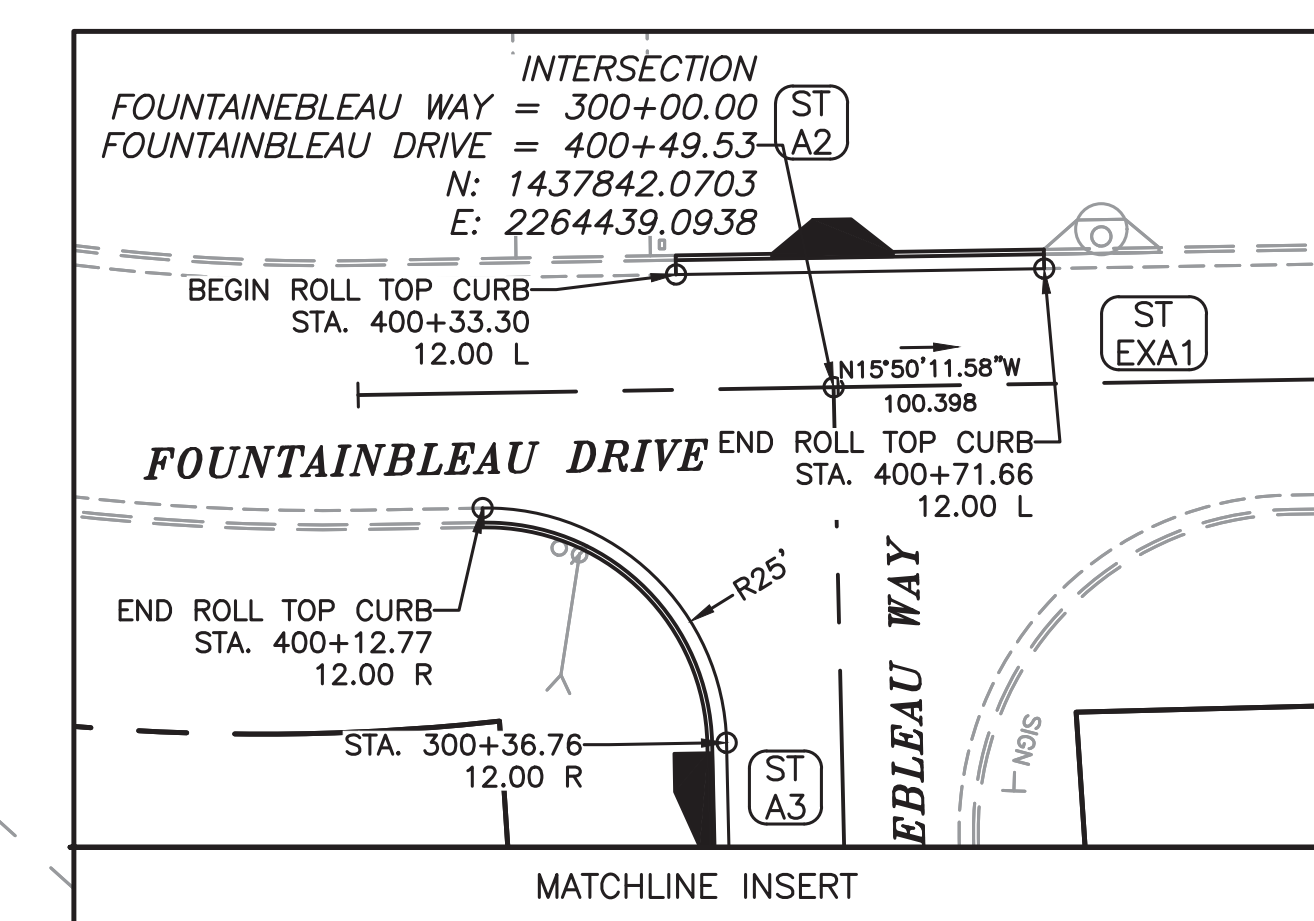
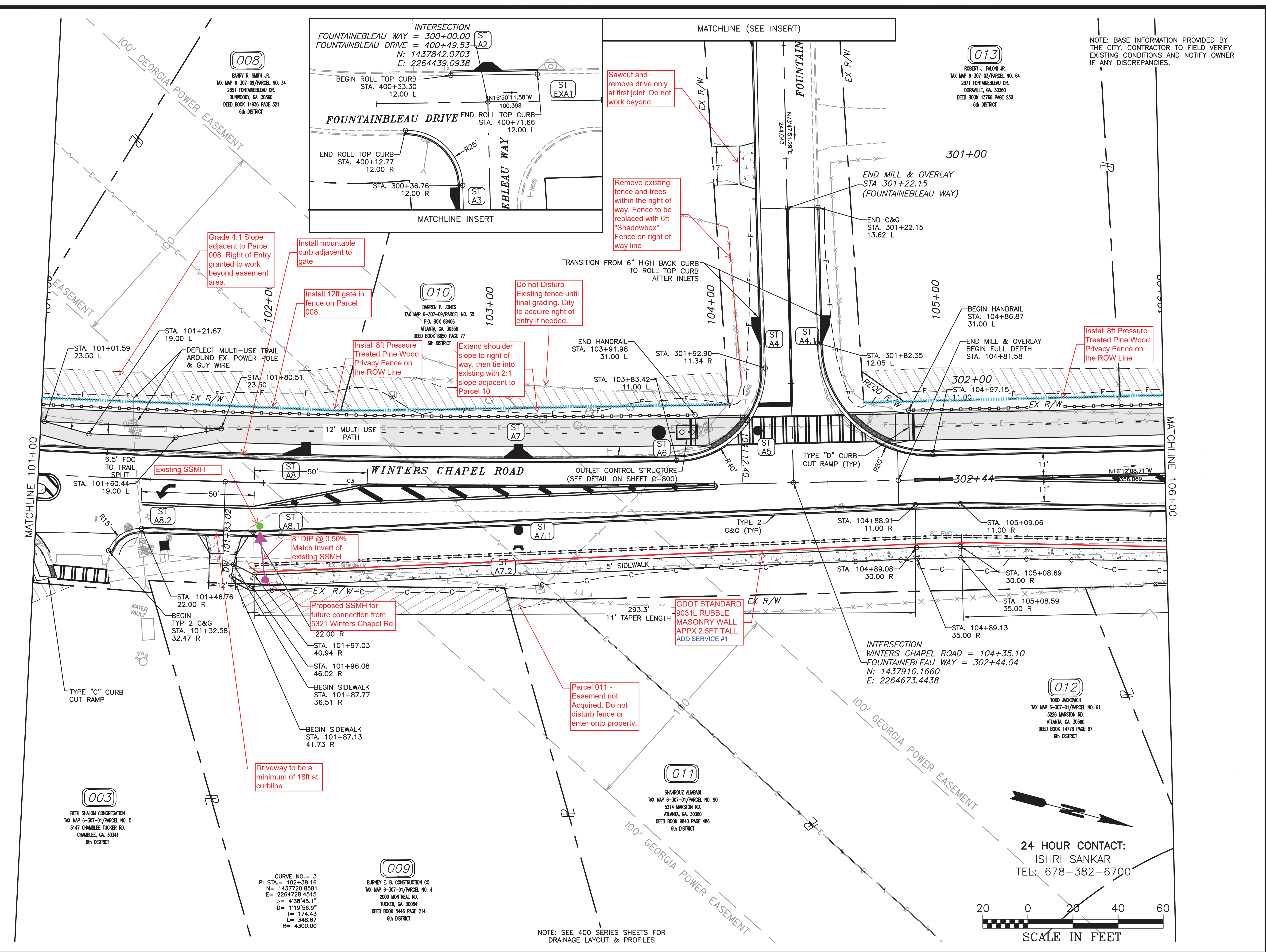
WINTERS CHAPEL ROAD
MULTI-USE TRAIL
CHARMANT PLACE TO DUNWOODY CLUB DRIVE

LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE
1	TYPICAL SECTION REVISION	10/12/2020

SHEET TITLE TYPICAL CROSS SECTIONS	
DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=10'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER C-101	
SHEET 8 of 51	



NOTE: BASE INFORMATION PROVIDED BY THE CITY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY OWNER IF ANY DISCREPANCIES.

CROY

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 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

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**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**

CHARMANT PLACE TO DUNWOODY CLUB DRIVE

LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE

SHEET TITLE
ROADWAY PLANS

DRAWN BY
 SMM

CHECKED BY
 KAK

SCALE
 1"=20'

ISSUE DATE
 09/03/2020

PROJECT NUMBER
 1588.03

DRAWING NUMBER
C-302

SHEET 11 of 51

24 HOUR CONTACT:
 ISHRI SANKAR
 TEL: 678-382-6700

SCALE IN FEET

008
 BARRY R. SMITH JR.
 TAX MAP 6-307-09/PARCEL NO. 34
 2851 FOUNTAINBLEAU DR.
 DUNWOODY, GA. 30360
 DEED BOOK 14838 PAGE 321
 6th DISTRICT

010
 DAREN P. JONES
 TAX MAP 6-307-09/PARCEL NO. 35
 P.O. BOX 68406
 ATLANTA, GA. 30356
 DEED BOOK 8650 PAGE 77
 6th DISTRICT

011
 SHARROUZ ALIBADI
 TAX MAP 6-307-01/PARCEL NO. 90
 5214 MARSTON RD.
 ATLANTA, GA. 30360
 DEED BOOK 8840 PAGE 486
 6th DISTRICT

012
 TODD JACKOVICH
 TAX MAP 6-307-01/PARCEL NO. 91
 5226 MARSTON RD.
 ATLANTA, GA. 30360
 DEED BOOK 14778 PAGE 87
 6th DISTRICT

003
 BETH SHALOM CONGREGATION
 TAX MAP 6-307-01/PARCEL NO. 5
 3147 CHAMBLEE TUCKER RD.
 CHAMBLEE, GA. 30341
 6th DISTRICT

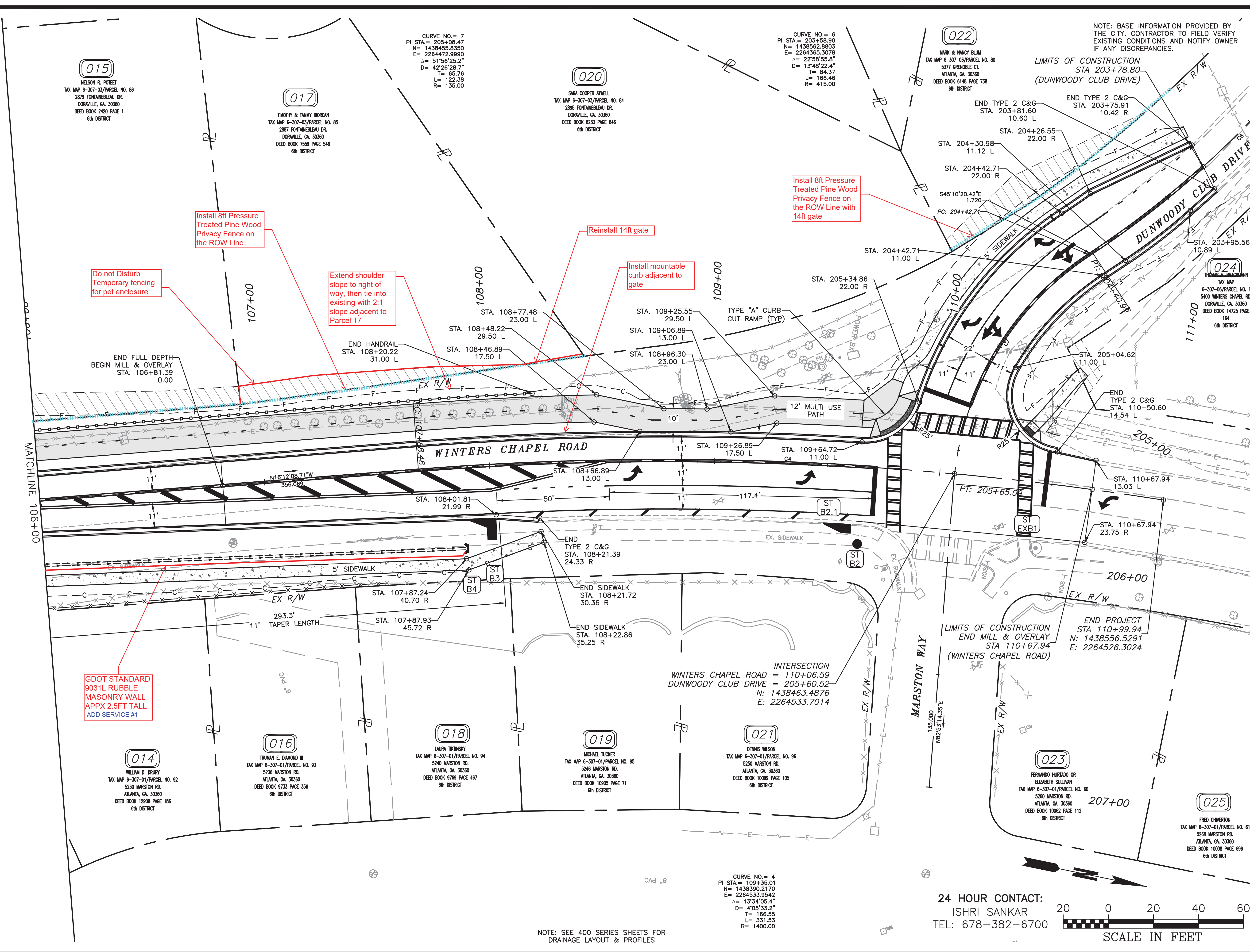
009
 BURNEY E. B. CONSTRUCTION CO.
 TAX MAP 6-307-01/PARCEL NO. 4
 2009 MONTREAL RD.
 TUCKER, GA. 30084
 DEED BOOK 5446 PAGE 214
 6th DISTRICT

INTERSECTION
 FOUNTAINBLEAU WAY = 300+00.00
 FOUNTAINBLEAU DRIVE = 400+49.53
 N: 1437842.0703
 E: 2264439.0938

INTERSECTION
 WINTERS CHAPEL ROAD = 104+35.10
 FOUNTAINBLEAU WAY = 302+44.04
 N: 1437910.1660
 E: 2264673.4438

CURVE NO. = 3
 PI STA. = 102+38.16
 N = 1437720.8581
 E = 2264728.4515
 Δ = 4°38'45.1"
 D = 1°19'56.9"
 T = 174.43
 L = 348.67
 R = 4300.00

Plot Scale: 1"=20' Drawing Location: 255.1' Plot Style: Transportation.ctb, Plotted By: Scott McCall on 09/20/2020, 2:06 PM



NOTE: BASE INFORMATION PROVIDED BY THE CITY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY OWNER IF ANY DISCREPANCIES.

CROY
 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**
 CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

NO.	REVISION	REFERENCE	DATE

SHEET TITLE
ROADWAY PLANS

DRAWN BY
 SMM

CHECKED BY
 KAK

SCALE
 1"=20'

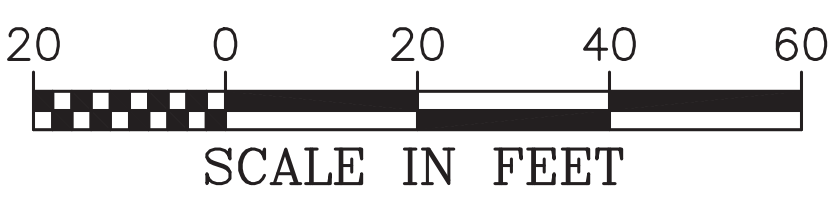
ISSUE DATE
 09/03/2020

PROJECT NUMBER
 1588.03

DRAWING NUMBER
C-303

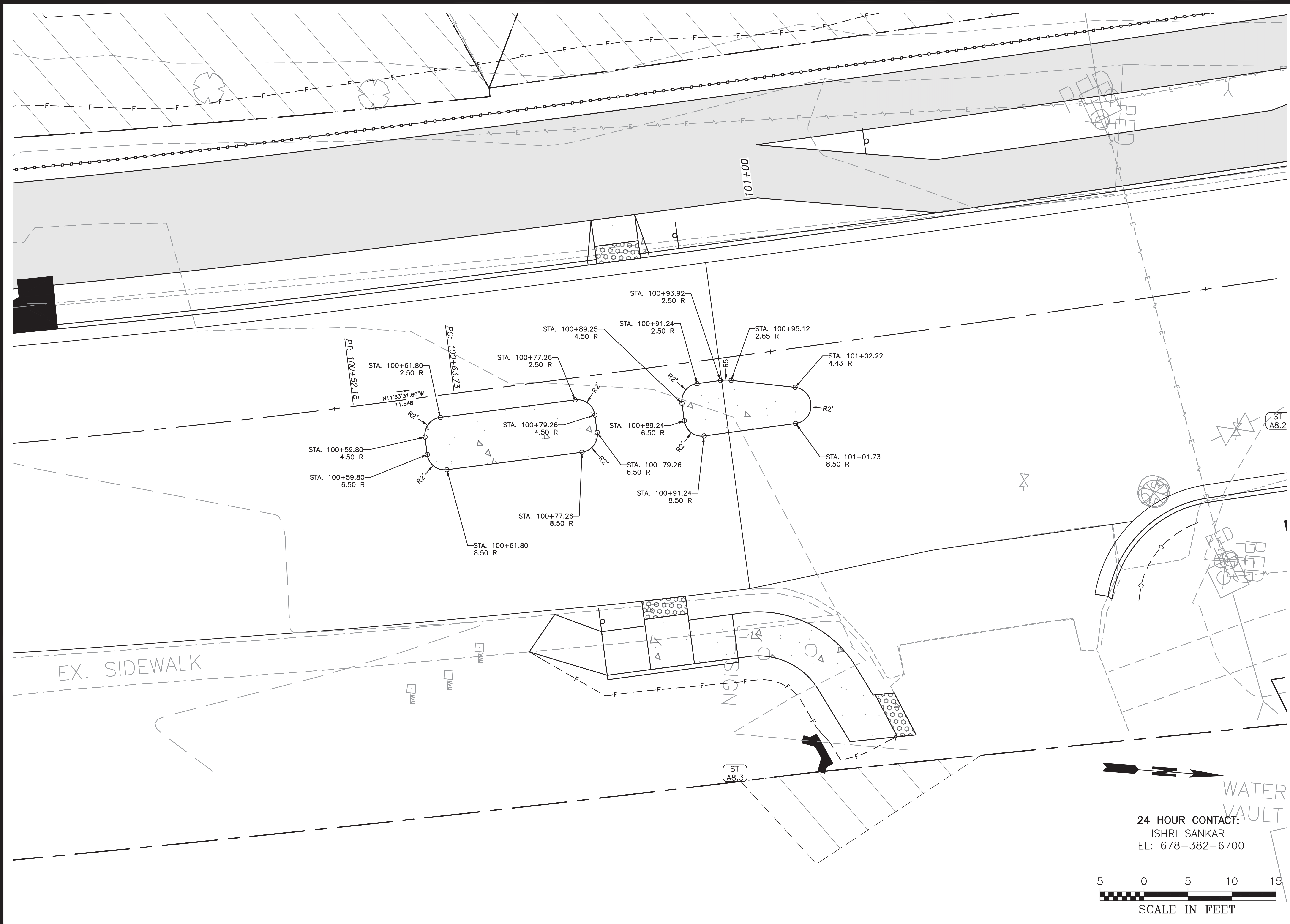
SHEET 12 of 51

24 HOUR CONTACT:
 ISHRI SANKAR
 TEL: 678-382-6700



NOTE: SEE 400 SERIES SHEETS FOR DRAINAGE LAYOUT & PROFILES

Drawing Location: P:\Marietta\1588.03\City of Dunwoody\1588.03\Winters Chapel Multi-Use Trail Engineering\Design\1588.03 Plans.dwg
 Plot Scale: 1"=20'
 Drawing Revision: 258.3 - Plot Style: Transportation.ctb
 Plotted By: Scott McCall on 09/03/2020, 2:05 PM



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

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**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**

CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION	REFERENCE	DATE

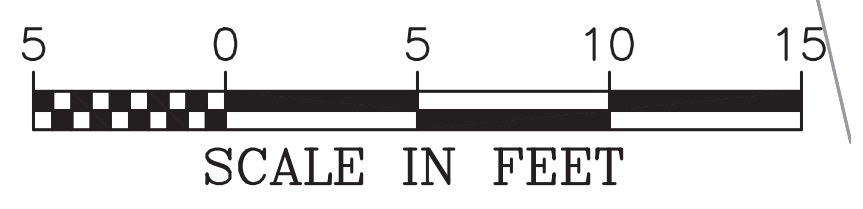
SHEET TITLE
**SPECIAL
 CONSTRUCTION
 DETAIL-ISLAND DETAIL**

DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=5'	ISSUE DATE 09/03/2020

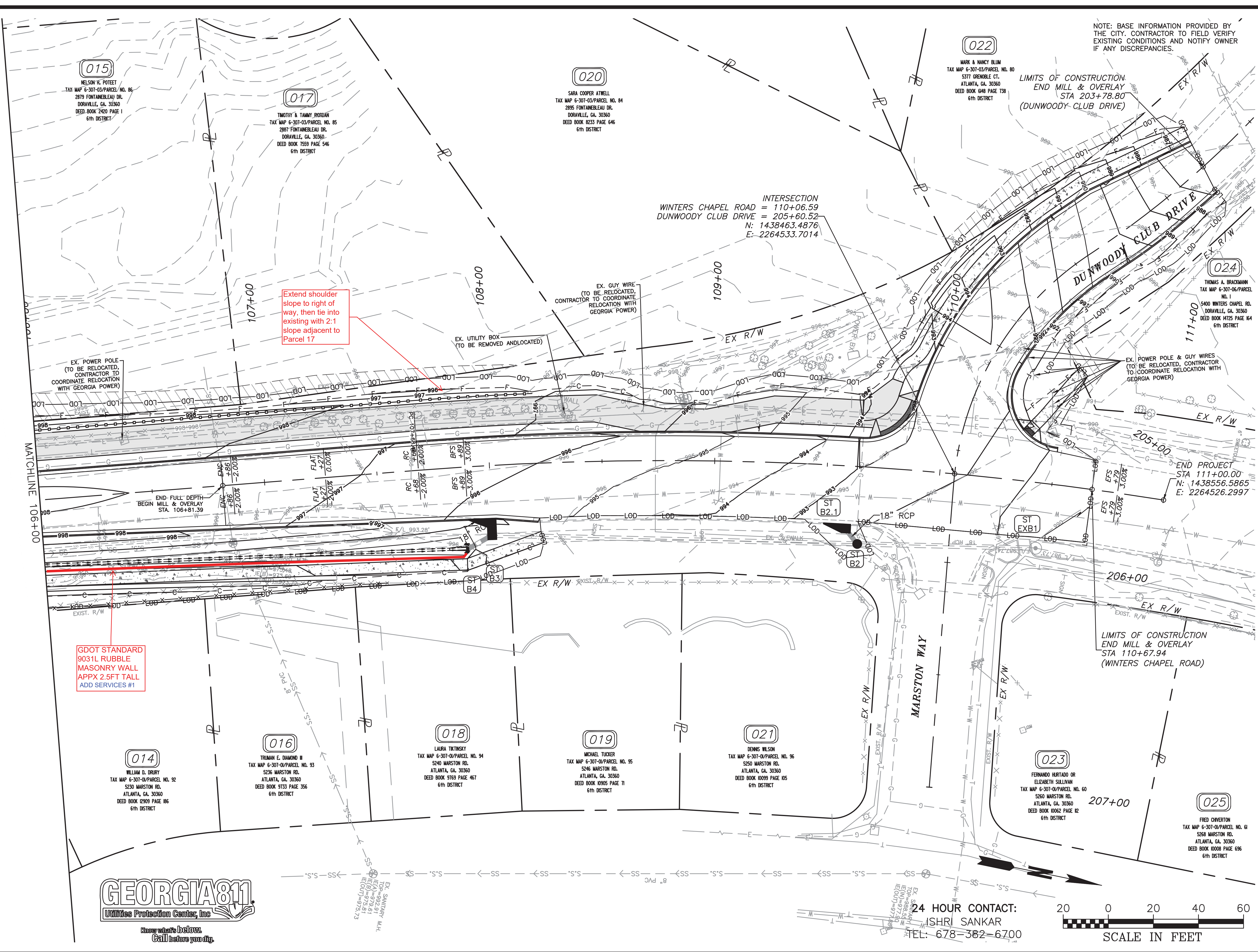
PROJECT NUMBER
1588.03

DRAWING NUMBER
C-304
 SHEET 13 of 51

24 HOUR CONTACT:
 ISHRI SANKAR
 TEL: 678-382-6700



Drawing Location: P:\Marietta\1588\03 City of Dunwoody\1588\03 Winters Chapel Multi-Use Trail Engineering\Design\1588.03 Island Detail.dwg
 Plot Scale: 1"=5' Plot Style: Transportation.ctb, Plotted By: Scott McCall on 09/03/2020, 2:06 PM



015
NELSON R. POTEET
TAX MAP 6-307-03/PARCEL NO. 86
2879 FONTAINELEAU DR.
DORAVILLE, GA. 30360
DEED BOOK 2420 PAGE 1
6TH DISTRICT

017
TIMOTHY & TAMMY PROGAN
TAX MAP 6-307-03/PARCEL NO. 85
2897 FONTAINELEAU DR.
DORAVILLE, GA. 30360
DEED BOOK 1559 PAGE 546
6TH DISTRICT

020
SARA COOPER ATWELL
TAX MAP 6-307-03/PARCEL NO. 84
2895 FONTAINELEAU DR.
DORAVILLE, GA. 30360
DEED BOOK 8233 PAGE 646
6TH DISTRICT

022
MARK & NANCY BLUM
TAX MAP 6-307-03/PARCEL NO. 80
5377 GRENOBLE CT.
ATLANTA, GA. 30360
DEED BOOK 648 PAGE 738
6TH DISTRICT

LIMITS OF CONSTRUCTION
END MILL & OVERLAY
STA 203+78.80
(DUNWOODY CLUB DRIVE)

NOTE: BASE INFORMATION PROVIDED BY THE CITY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY OWNER IF ANY DISCREPANCIES.

024
THOMAS A. BRACKMAN
TAX MAP 6-307-06/PARCEL NO. 1
5400 WINTERS CHAPEL RD.
DORAVILLE, GA. 30360
DEED BOOK 1475 PAGE 164
6TH DISTRICT

END PROJECT
STA 111+00.00
N: 1438556.5865
E: 2264526.2997

GDOT STANDARD
9031L RUBBLE
MASONRY WALL
APPX 2.5FT TALL
ADD SERVICES #1

016
TRUMAN E. DIAMOND III
TAX MAP 6-307-04/PARCEL NO. 93
5236 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 9733 PAGE 356
6TH DISTRICT

018
LAURA TIKINSKY
TAX MAP 6-307-04/PARCEL NO. 94
5240 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 9769 PAGE 467
6TH DISTRICT

019
MICHAEL TUCKER
TAX MAP 6-307-04/PARCEL NO. 95
5246 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10995 PAGE 71
6TH DISTRICT

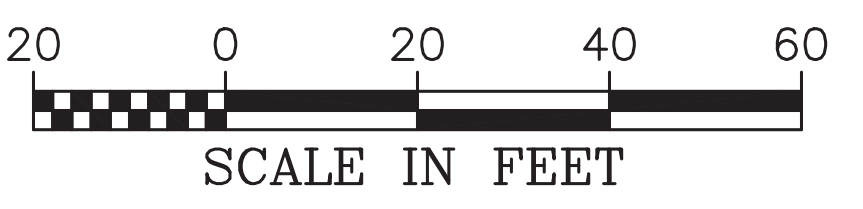
021
DENNIS WILSON
TAX MAP 6-307-04/PARCEL NO. 96
5250 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10099 PAGE 105
6TH DISTRICT

023
FERNANDO HURTADO OR
ELIZABETH SULLIVAN
TAX MAP 6-307-04/PARCEL NO. 60
5260 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10062 PAGE 12
6TH DISTRICT

025
FRED CHVERTON
TAX MAP 6-307-04/PARCEL NO. 61
5268 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10068 PAGE 696
6TH DISTRICT



24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA. 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

WINTERS CHAPEL ROAD MULTI-USE TRAIL

CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4TH DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION	REFERENCE	DATE

SHEET TITLE
GRADING AND DRAINAGE PLAN

DRAWN BY
SMM

CHECKED BY
KAK

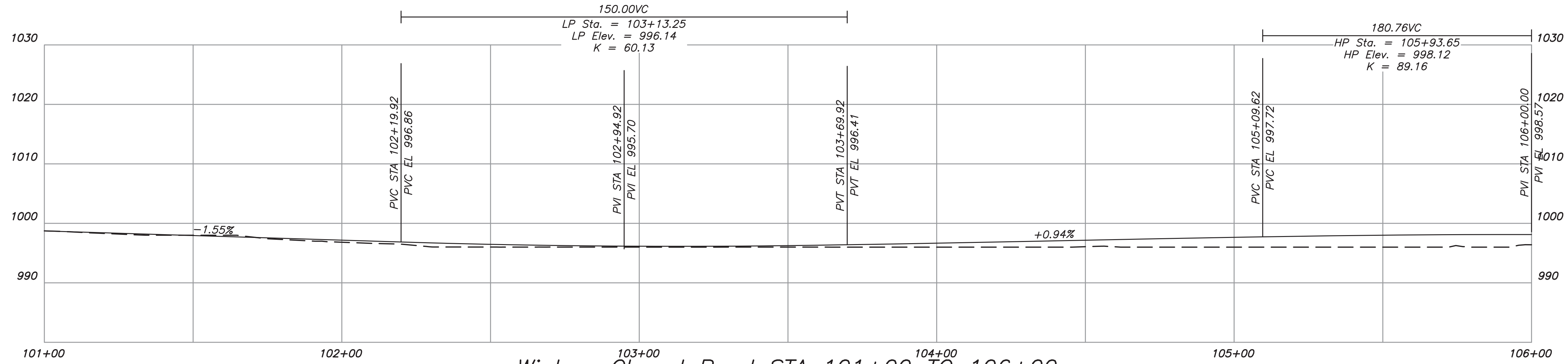
SCALE
1"=20'

ISSUE DATE
09/03/2020

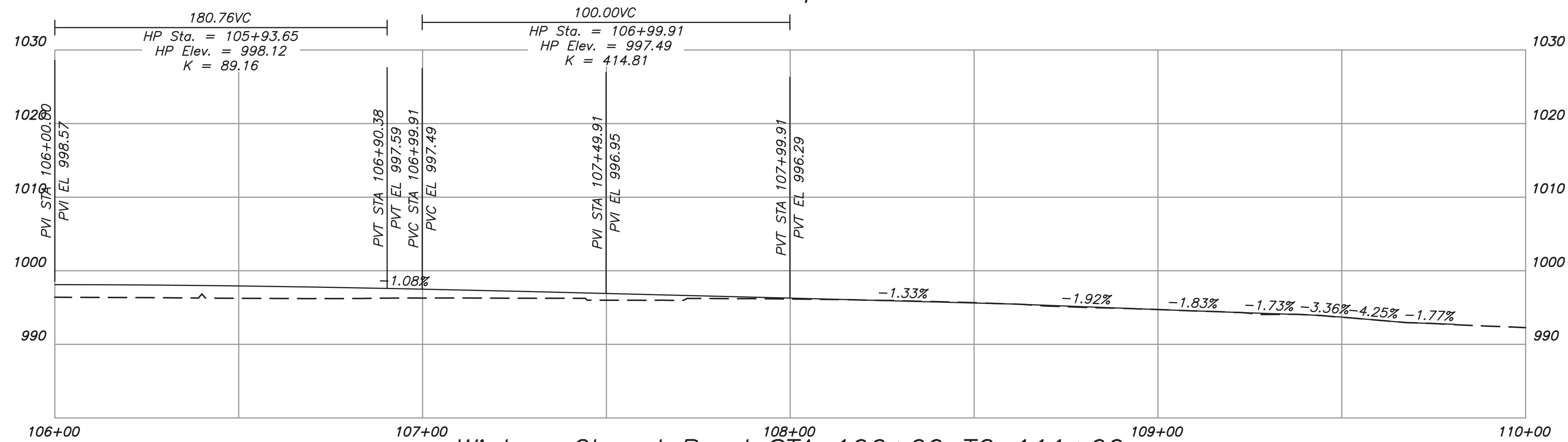
PROJECT NUMBER
1588.03

DRAWING NUMBER
C-403
SHEET 17 of 51

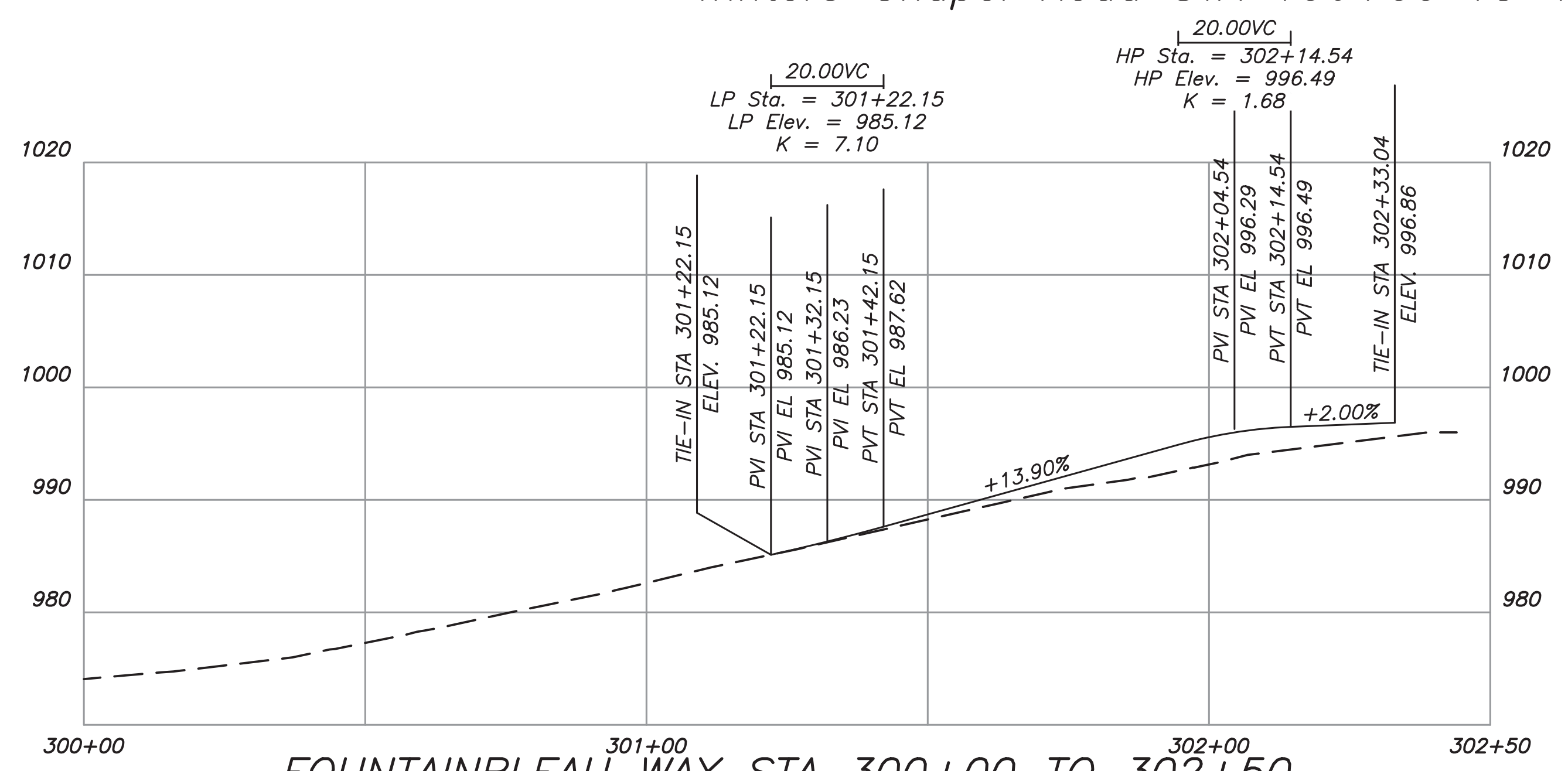
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Plot Scale: 1"=20' Drawing Rotation: 25.2' Plot Style: Transportation.ctb, Plotted By: Scott McCall on 09/03/2020, 2:07 PM



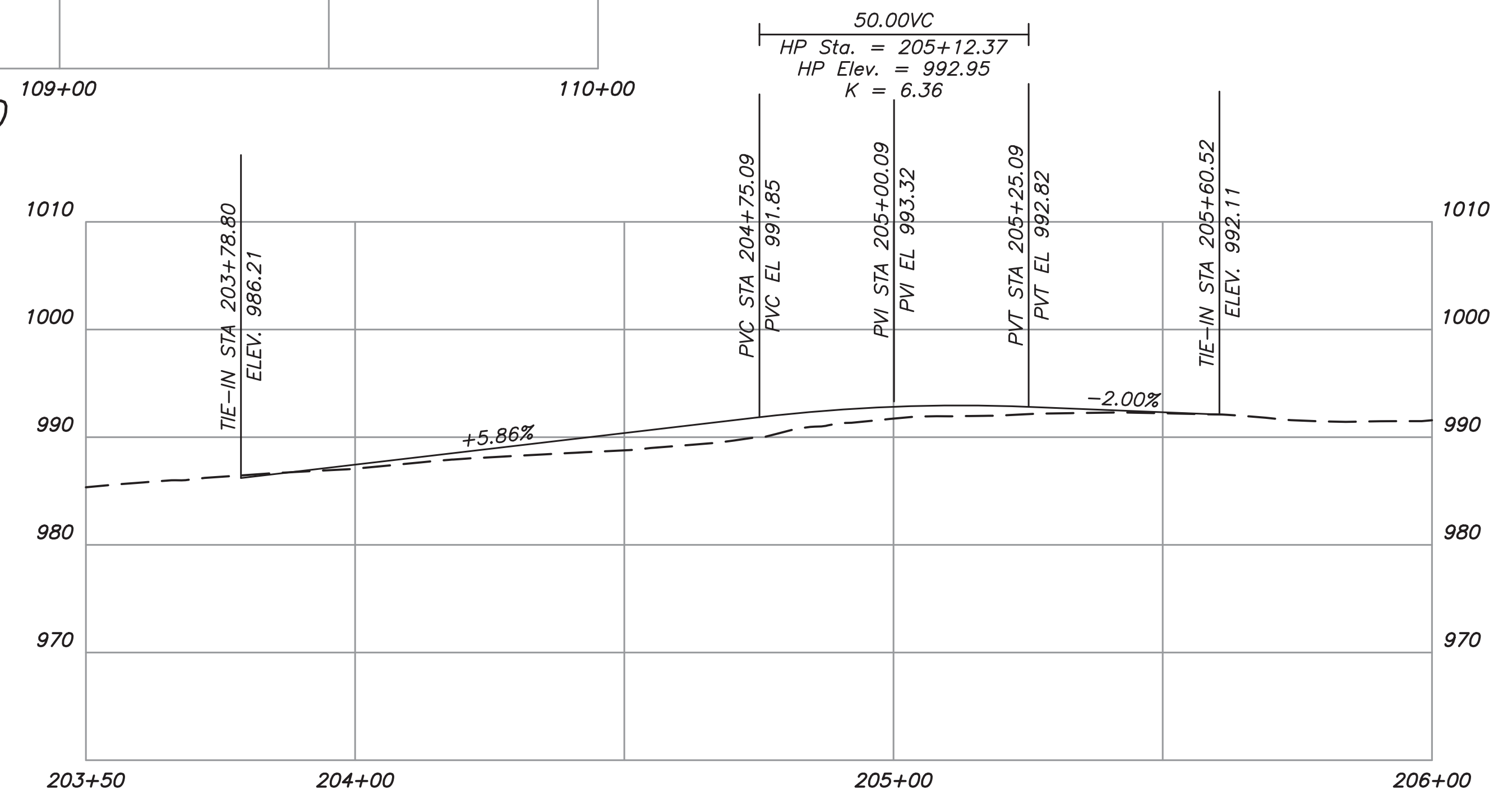
Winters Chapel Road STA 101+00 TO 106+00



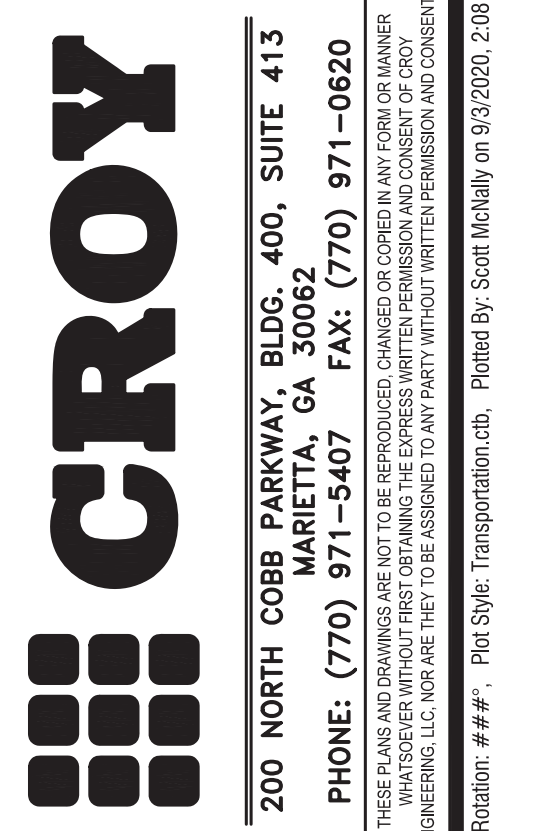
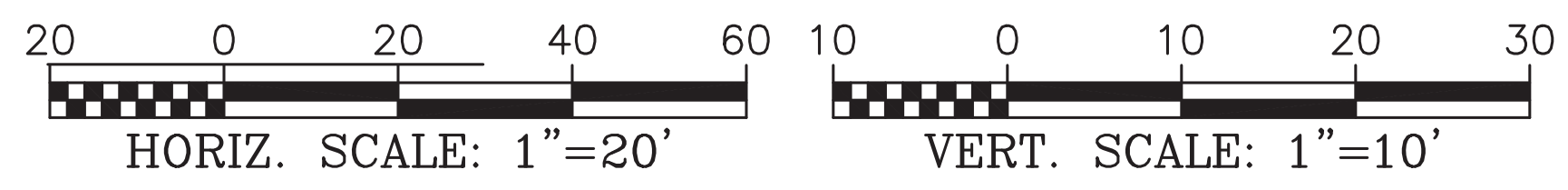
Winters Chapel Road STA 106+00 TO 111+00



FOUNTAINBLEAU WAY STA 300+00 TO 302+50



Dunwoody Club Drive



WINTERS CHAPEL ROAD
 MULTI-USE TRAIL
 CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE

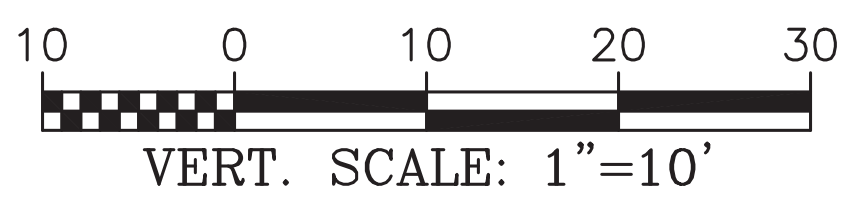
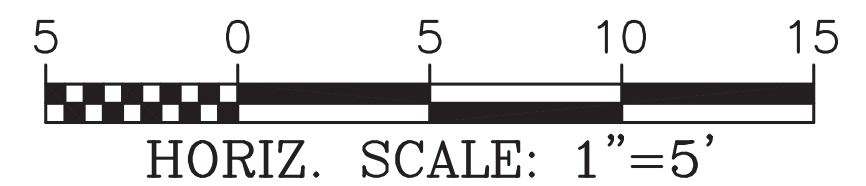
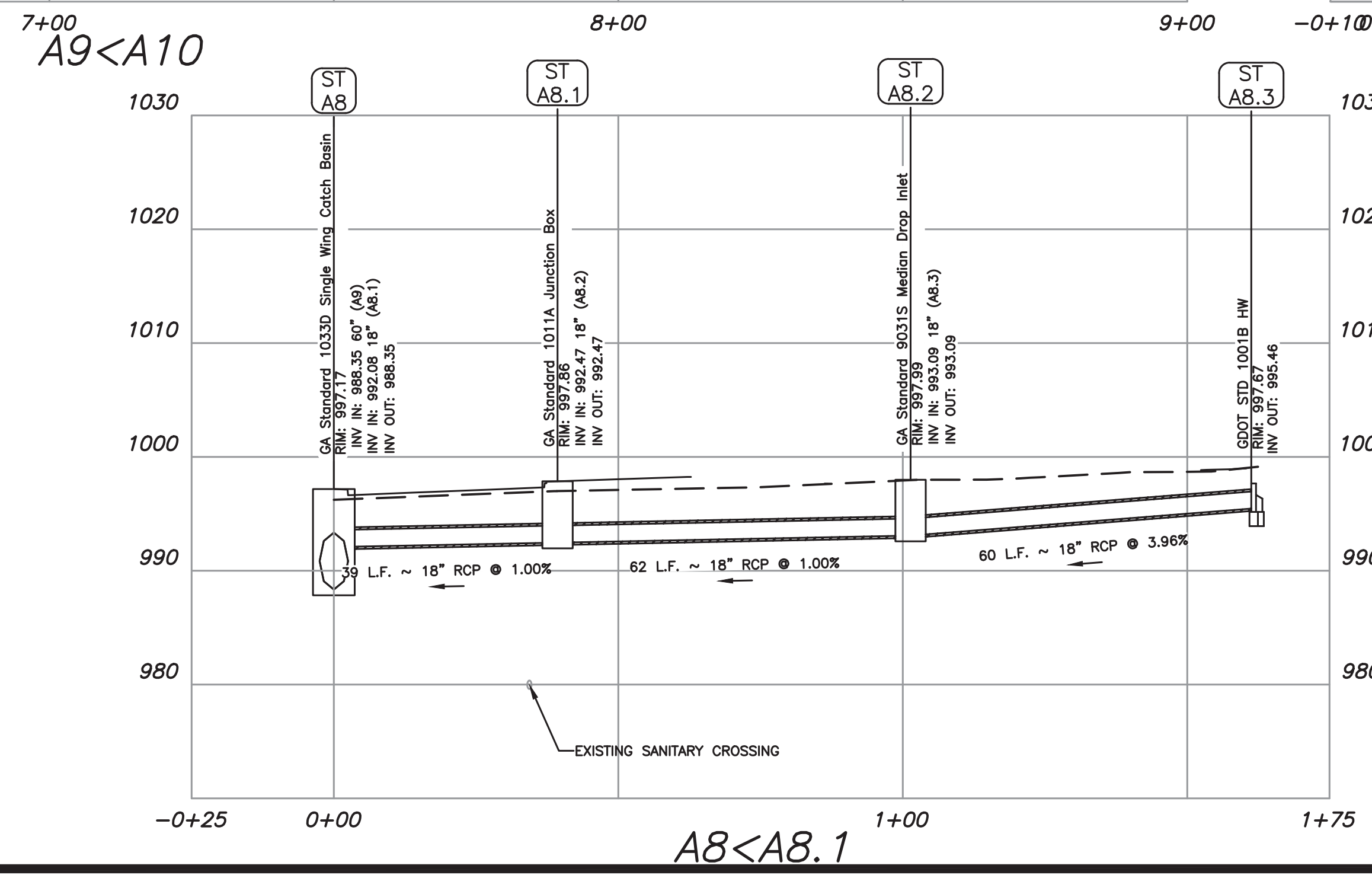
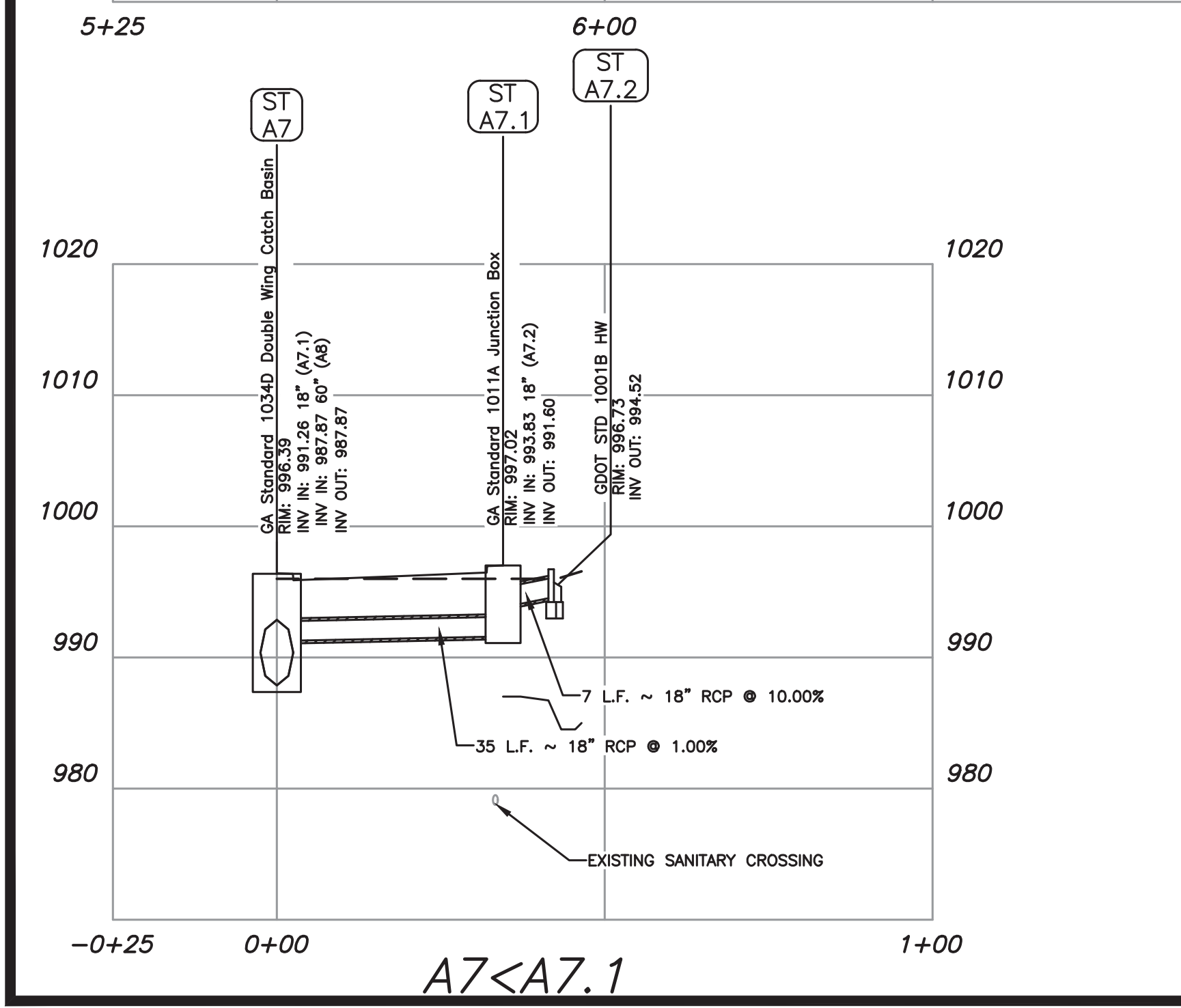
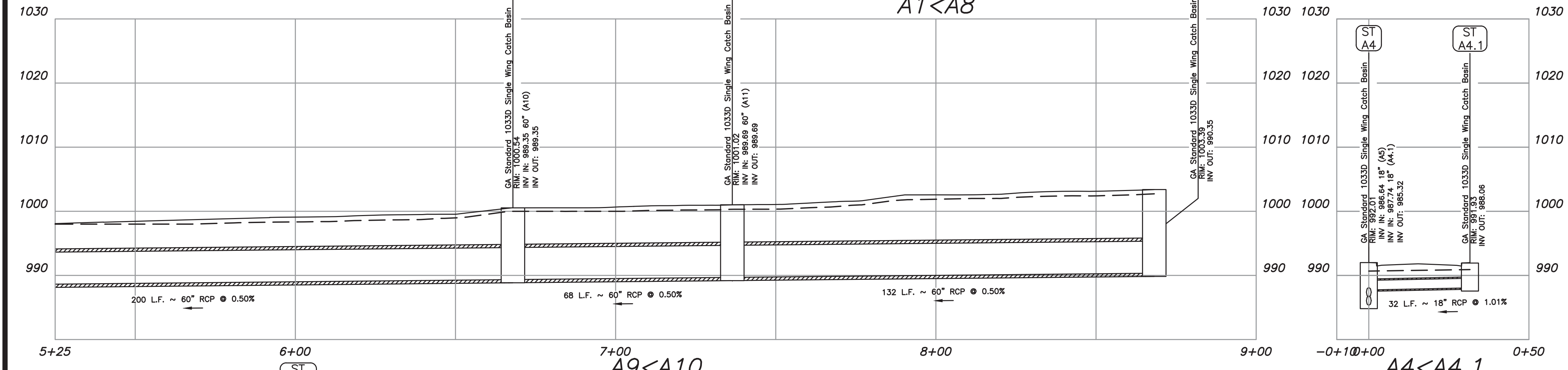
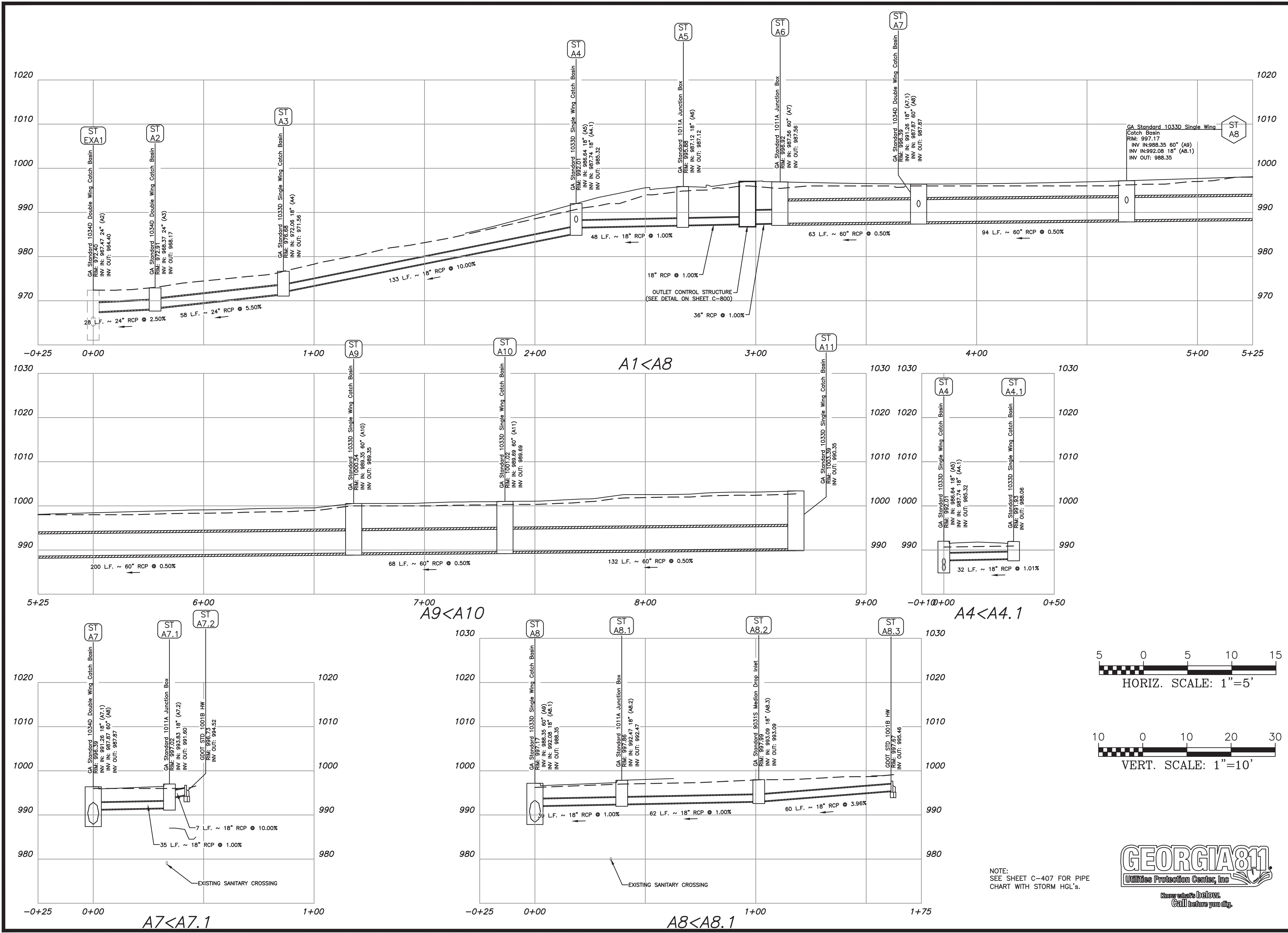
SHEET TITLE
 MAINLINE PROFILES

DRAWN BY SMM	CHECKED BY KAK
SCALE AS SHOWN	ISSUE DATE 09/03/2020

PROJECT NUMBER
 1588.03

DRAWING NUMBER
C-404
 SHEET 18 of 51

Plot Scale: 1"=40' Plot Style: Transportation.ctb. Printed By: Scot McElally on 9/3/2020, 2:08 PM



NOTE:
 SEE SHEET C-407 FOR PIPE
 CHART WITH STORM HGL'S.



Know what's below.
 Call before you dig.



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

WINTERS CHAPEL ROAD
 MULTI-USE TRAIL
 CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE

SHEET TITLE
 DRAINAGE PROFILES

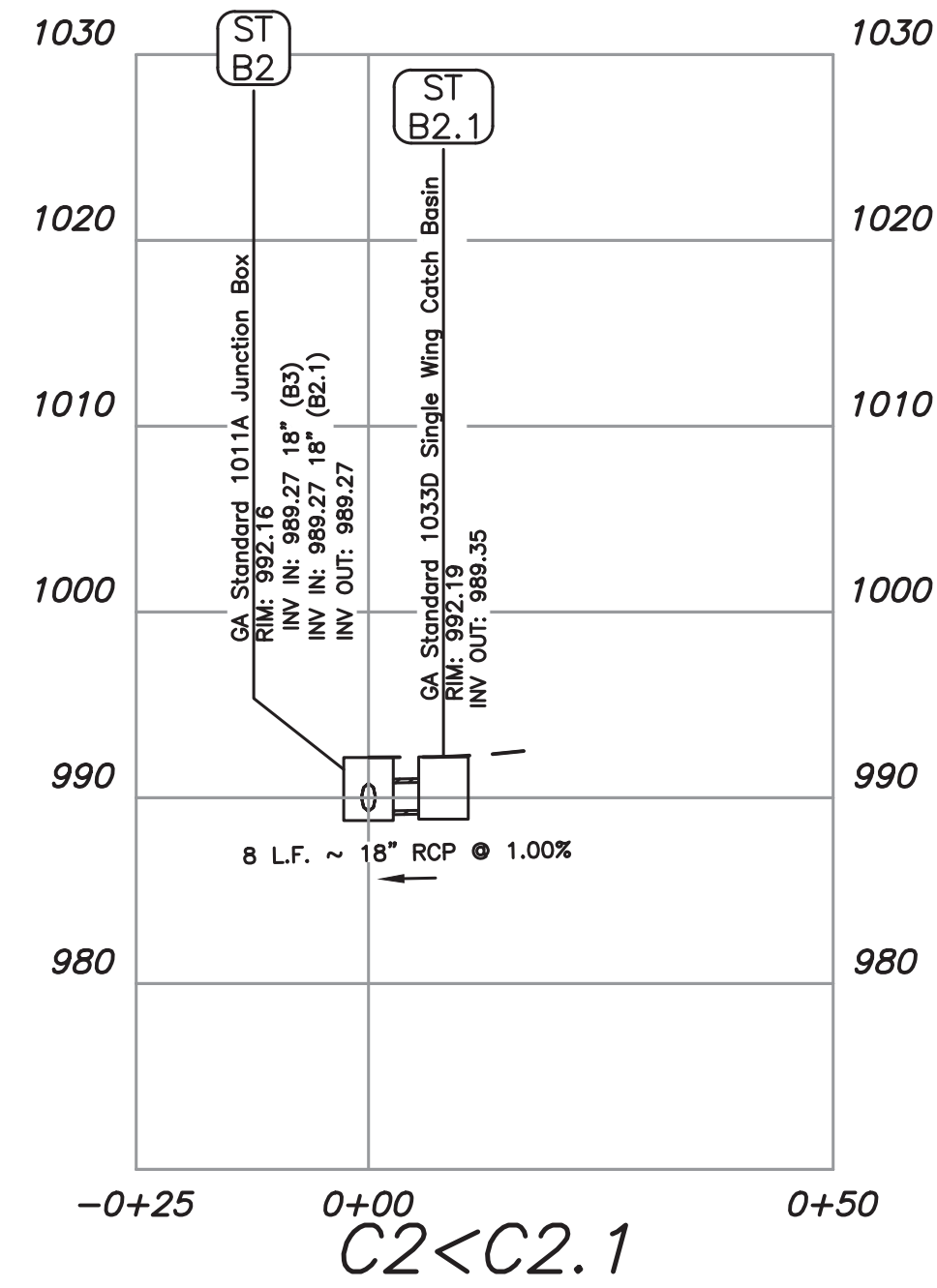
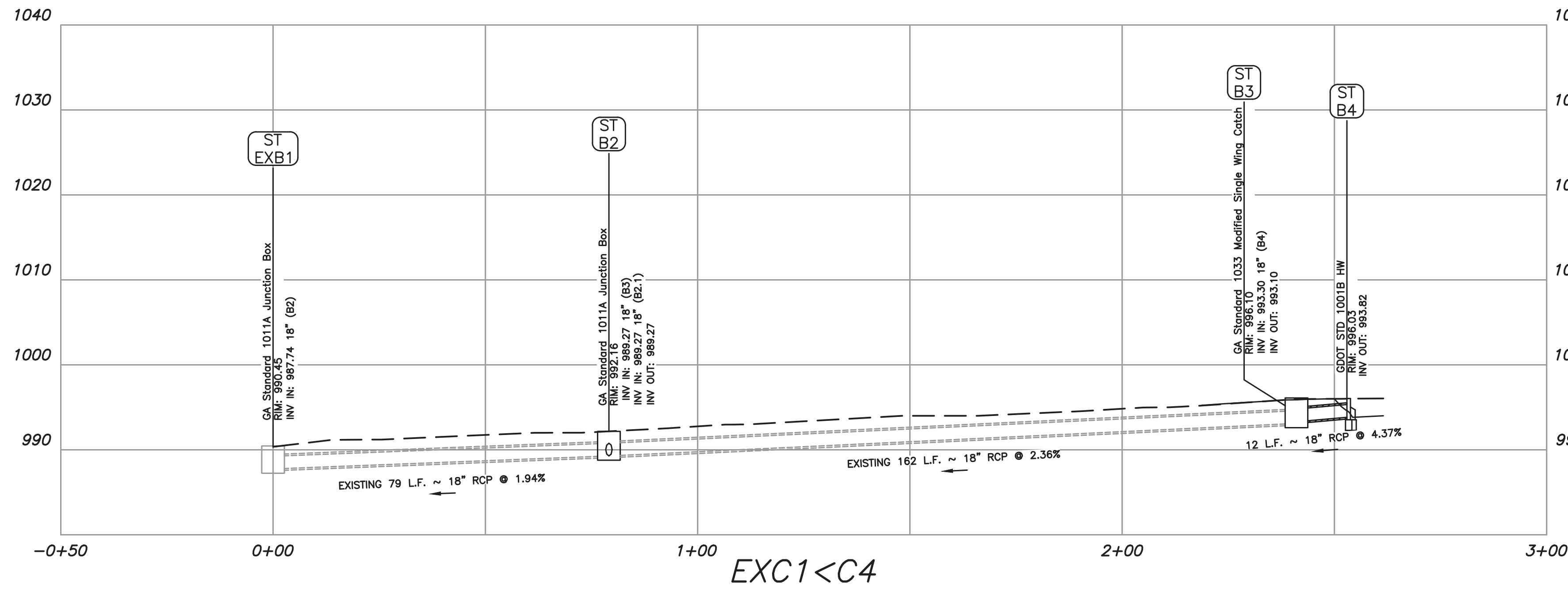
DRAWN BY: SMM
 CHECKED BY: KAK

SCALE: AS SHOWN
 ISSUE DATE: 09/03/2020

PROJECT NUMBER: 1588.03
 DRAWING NUMBER: C-406

SHEET 20 of 51

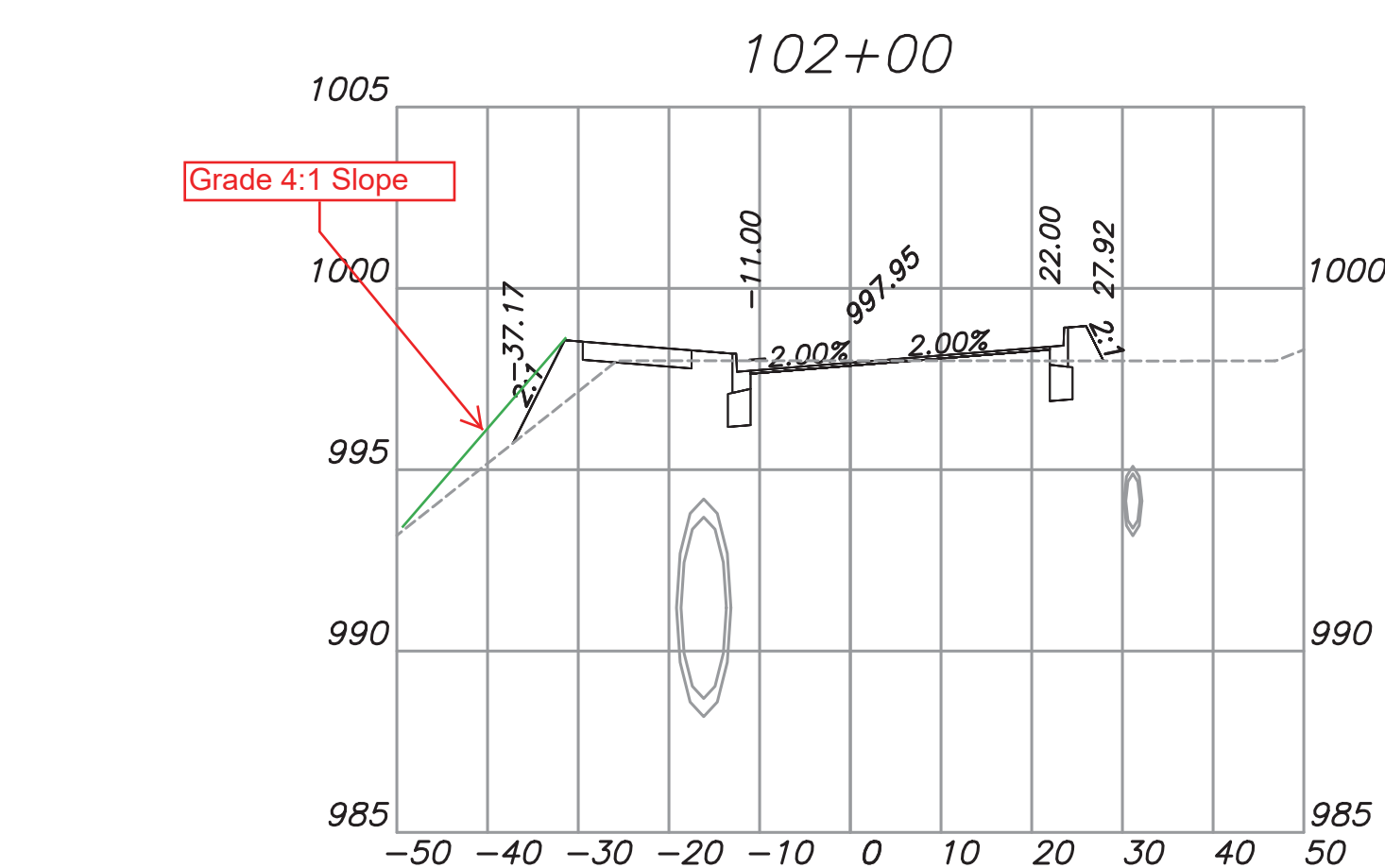
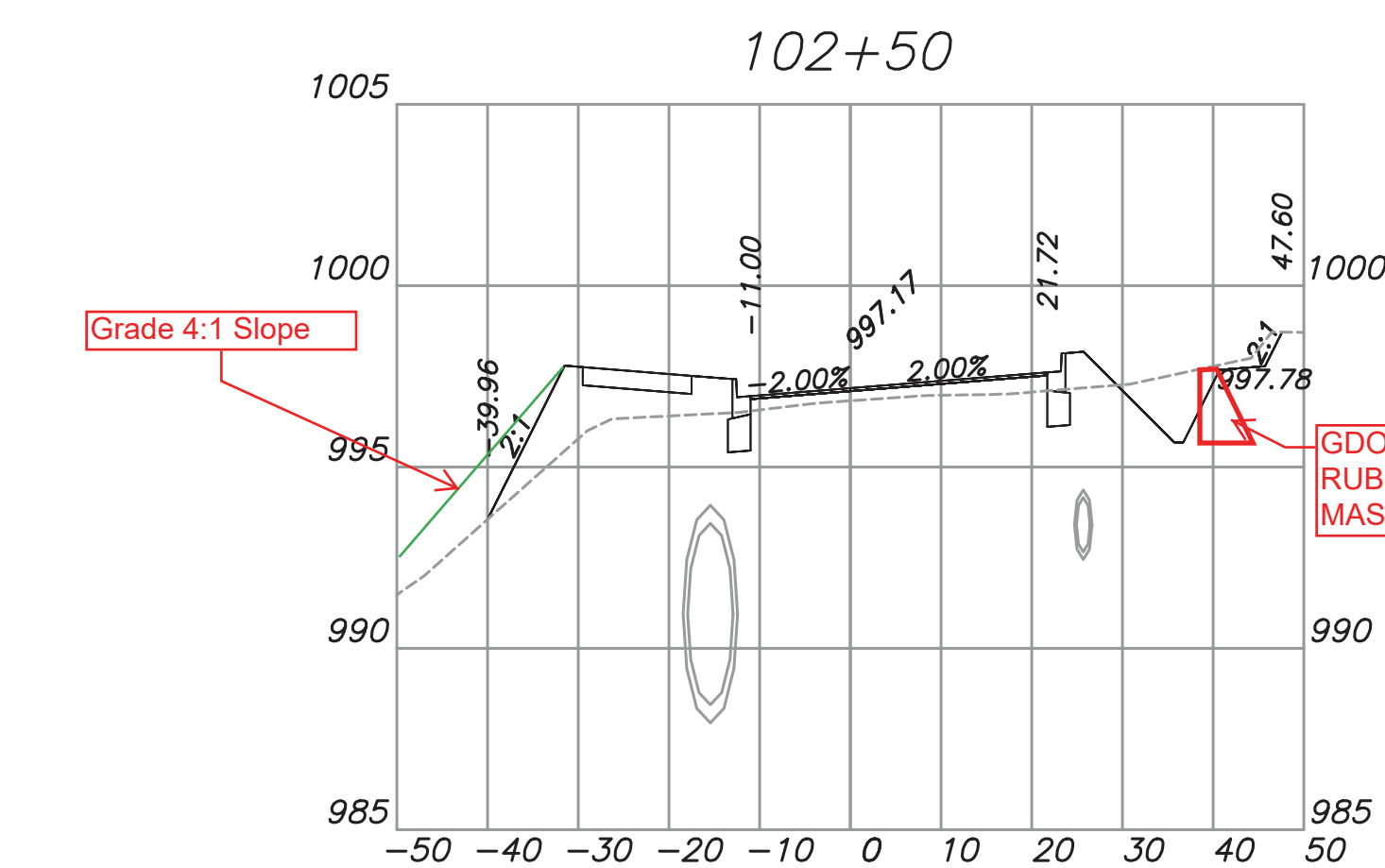
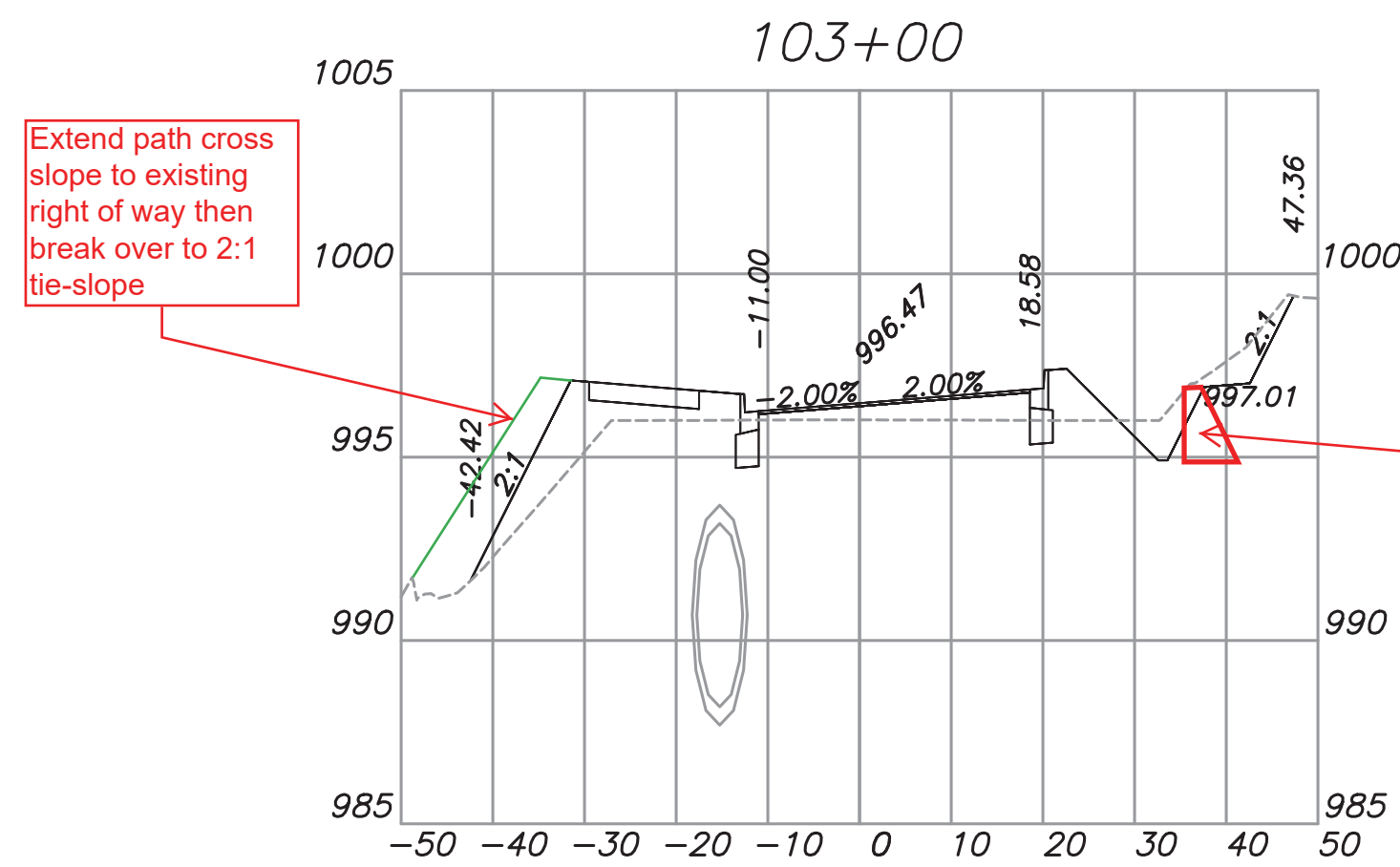
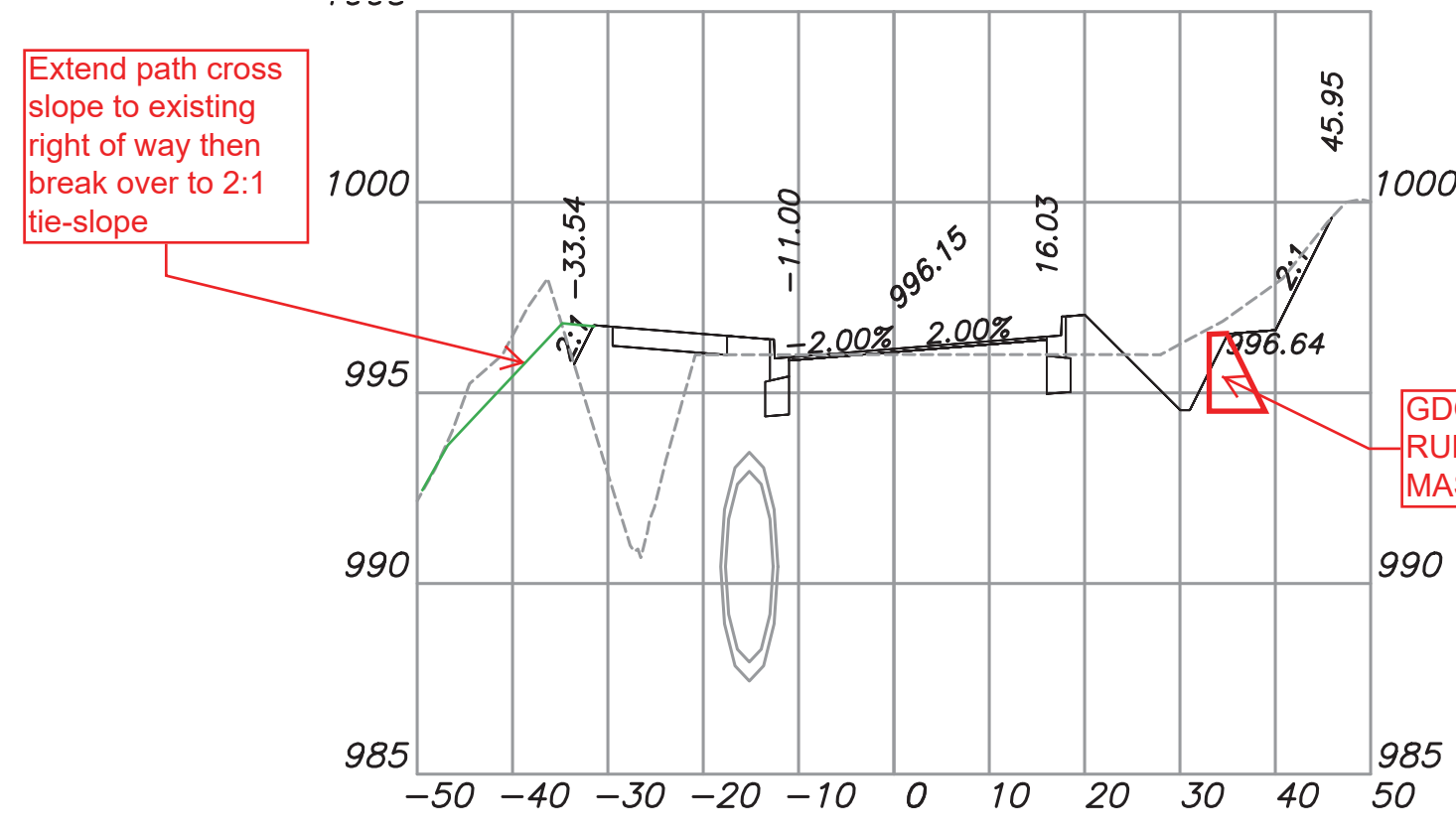
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 Plot Style: Transportation.ctb
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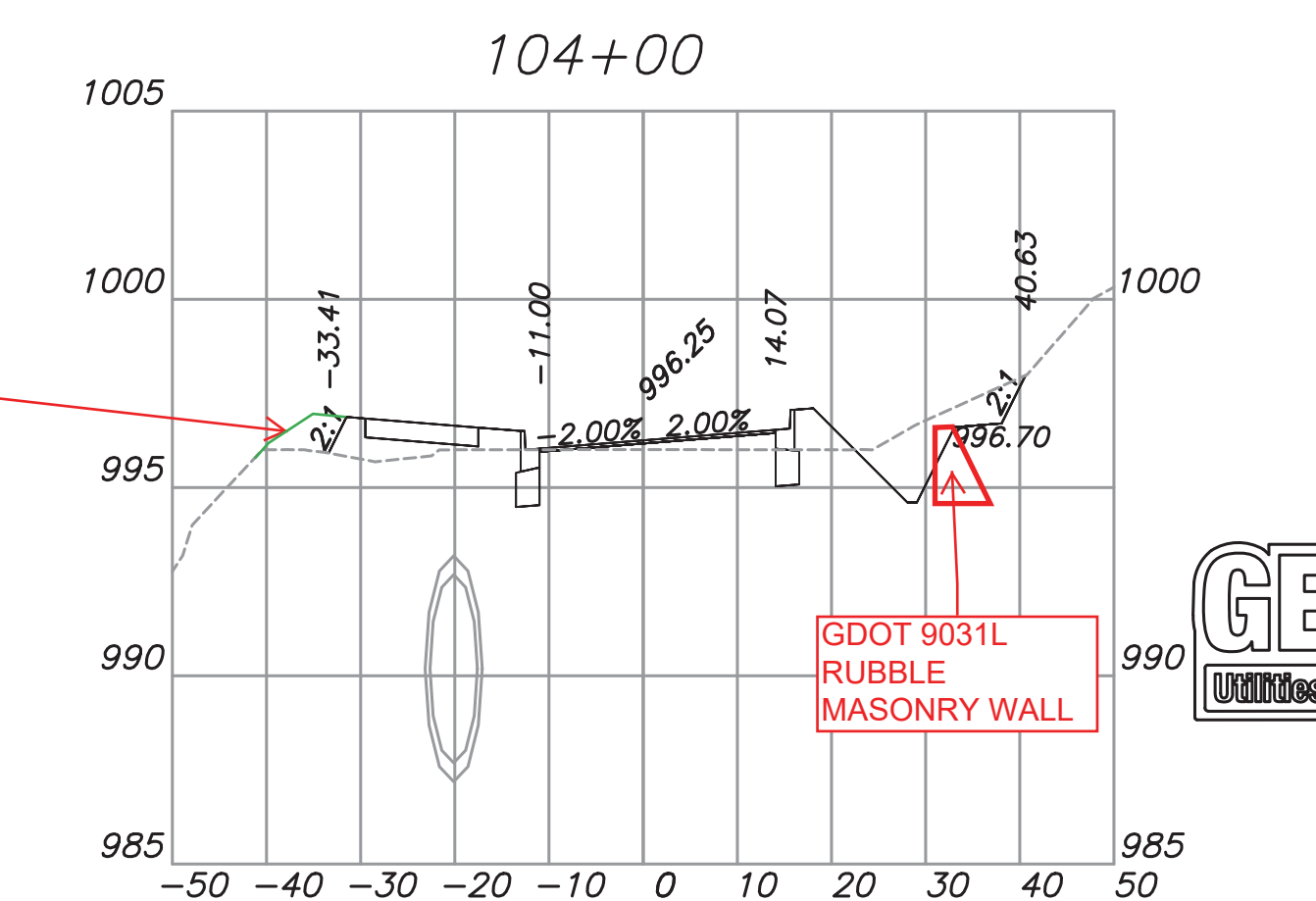
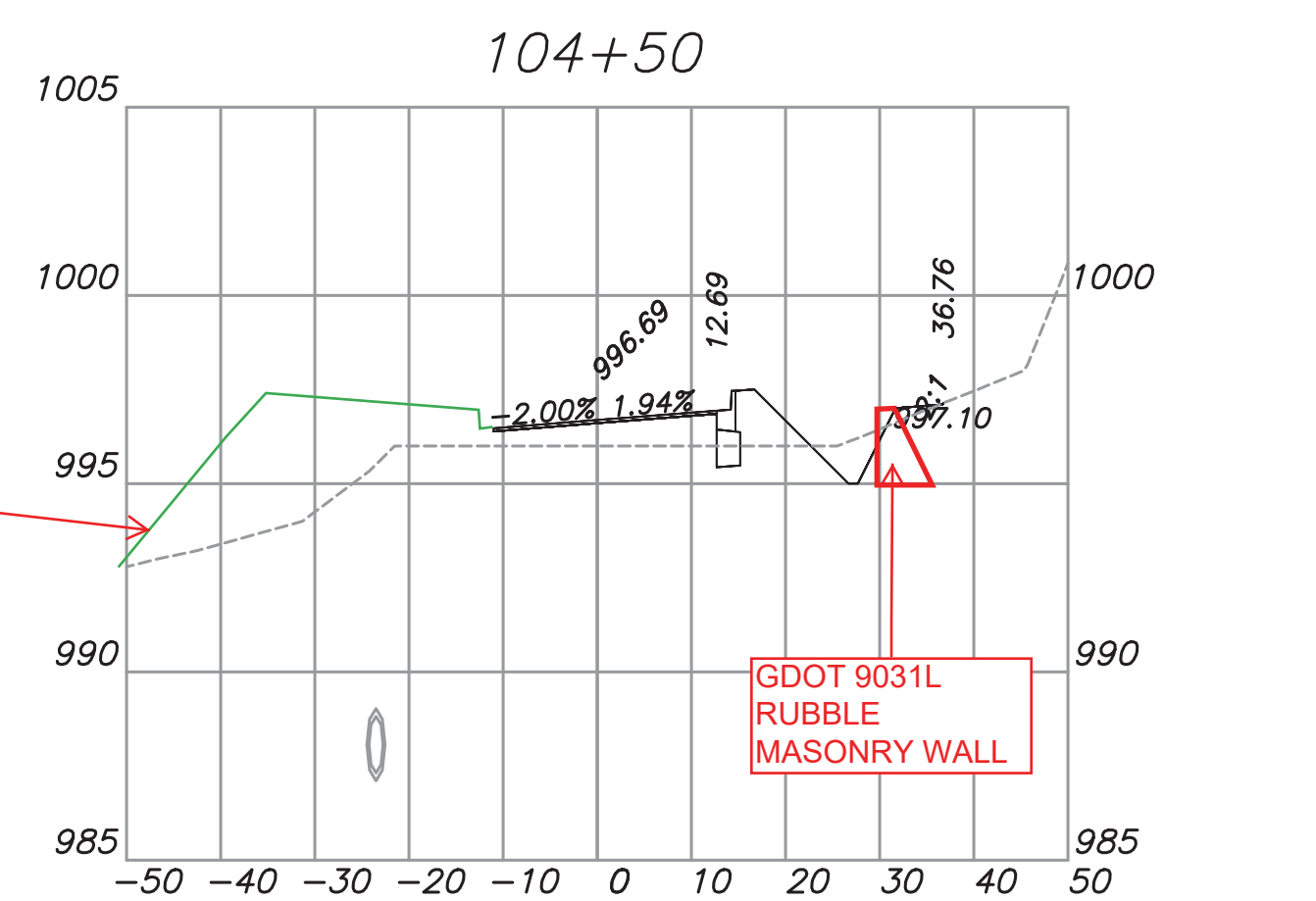
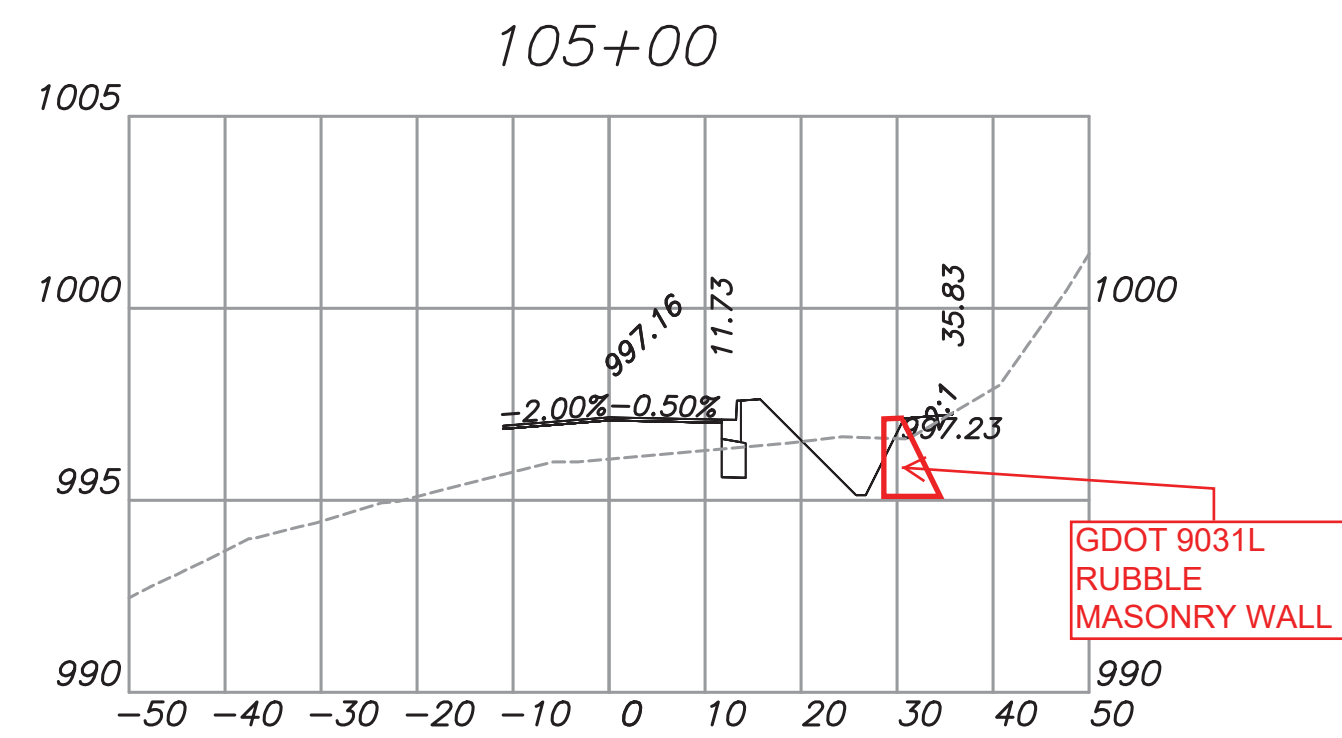
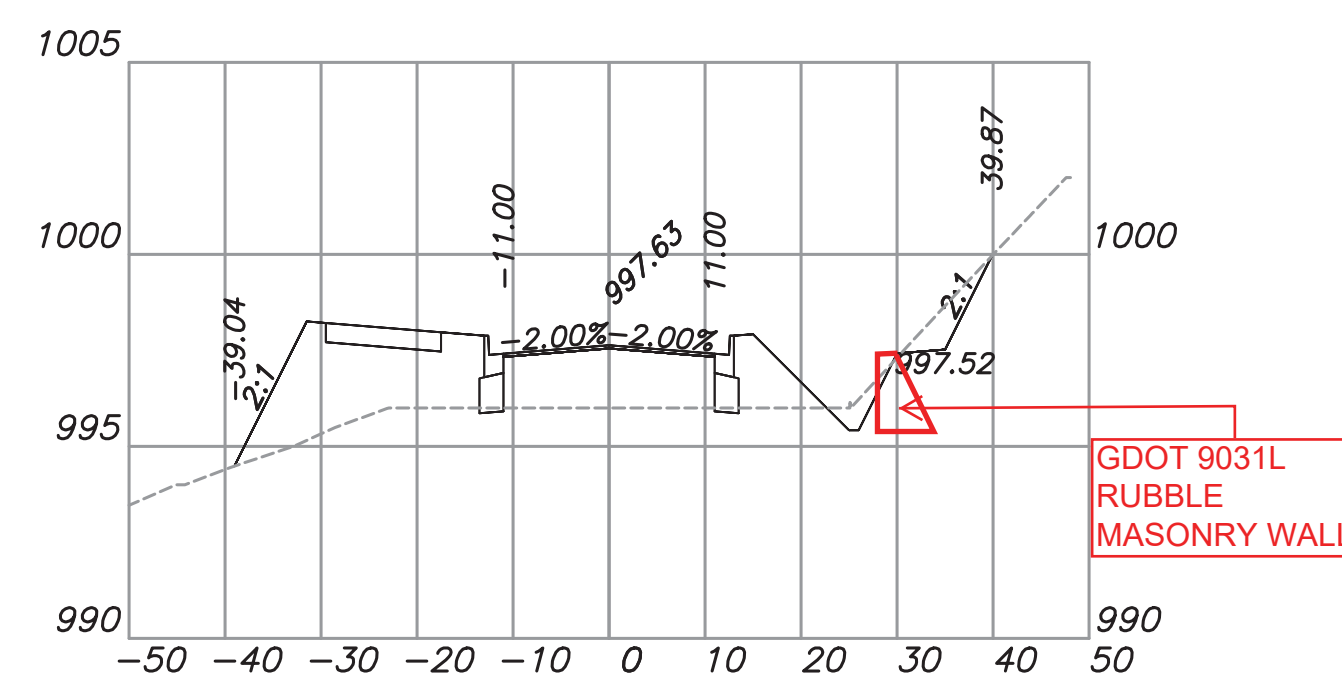
10 YEAR STORM EVENT																								
LineNo.	Inlet ID	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q-cIA (cfs)	Q Carry-over (cfs)	Q Captured (cfs)	Q Bypassed (cfs)	JunctType	CurbHeight (ft)	CurbLength (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	LocalDepr. (in)	InletDepth (ft)	BypassDepth (ft)	BypassSpread (ft)	GutterDepth (ft)	GutterSpread (ft)	BypassLine No.	
1	EXA1	2.05	5	7.37	0.54	8.16	0.16	8.33	0	Curb	5.5	12.67	Sag	1.5	0.08	0.02	0	0.47	n/a	n/a	0.47	19.06	Sag	
2	A2	3.8	9	6.31	0.46	11.03	0.24	11.26	0	Curb	5.5	12.67	Sag	1.5	0.08	0.02	0	0.56	n/a	n/a	0.56	23.37	Sag	
3	A3	0.26	5	7.37	0.49	0.94	0.18	0.88	0.26	Curb	5.5	12.17	Sag	1.5	0.08	0.02	0	0.14	0.08	1.02	0.14	2.71	Sag	
4	A4	0.15	5	7.37	0.81	0.9	0	0.72	0.18	Curb	5.5	12.17	Sag	1.5	0.08	0.02	0	0.13	0.07	0.87	0.13	1.88	Sag	
5	A5	0	0	0	0	0	0	0	0	MH														
6	A4.1	0.13	5	7.37	0.9	0.86	0	0.7	0.16	Curb	5.5	12.17	Sag	1.5	0.08	0.02	0	0.13	0.07	0.84	0.13	1.79	Sag	
7	A7	0.21	5	7.37	0.82	1.27	0	1.27	0	Curb	5.5	12.67	Sag	1.5	0.08	0.02	0	0.2	n/a	n/a	0.2	5.44	Sag	
8	A7.1	0	0	0	0	0	0	0	0	MH														
9	A7.2	0.8	5	7.37	0.39	2.3	0	2.3	0	HdWall														
10	A8	0.37	5	7.37	0.8	2.18	0	2.18	0	Curb	5.5	12.17	Sag	1.5	0.08	0.02	2	0.4	0.02	0.22	0.23	6.97	Sag	
11	A8.1	0	0	0	0	0	0	0	0	MH														
12	A8.2	0.09	5	7.37	0.76	0.5	0	0.5	0	Dp-Curb	6	3	Sag		0.02	0.02	0	0.15	n/a	n/a	0.15	7.32	Sag	
13	A8.3	0.12	5	7.37	0.27	0.24	0	0.24	0	HdWall														
14	A9	0.15	5	7.37	0.86	0.95	0	0.95	0	Curb	5.5	12.17	Sag	1.5	0.08	0.02	0	0.21	0	0	0.21	6.09	Sag	
15	A10	0.18	5	7.37	0.82	1.09	0.65	1.74	0	Curb	5.5	12.17	Sag	1.5	0.08	0.02	2	0.4	0	0	0.23	6.96	Sag	
16	A11	0.39	5	7.37	0.87	2.5	0	1.85	0.65	Curb	5.5	12.17	Sag	1.5	0.08	0.02	0	0.23	0.15	3.17	0.23	6.88	Sag	
17	B2	0	0	0	0	0	0	0	0	MH														
18	B3	0.24	5	7.37	0.84	1.49	0	1.29	0.19	Curb	5.5	12.17	Sag	1.5	0.08	0.02	0	0.19	0.1	1.2	0.19	5.06	Sag	
19	B4	0.24	5	7.37	0.84	1.49	0	1.49	0	HdWall														
20	B2.1	0.12	5	7.37	0.51	0.45	0.19	0.65	0	Curb	5.5	12.17	Sag	1.5	0.08	0.02	0	0.15	0	0	0.15	2.92	Offsite	

25 YEAR STORM EVENT																								
Line	ToLine	LineLength (ft)	IncrArea (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A	TotalC x A	InletTime (min)	TimeConc (min)	Rainfall (in/hr)	TotalRunoff (cfs)	AdmiFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Grnd/RimDn (ft)	Grnd/RimUp (ft)	Line ID
1	Outfall	11,199	2.05	6.39	0.54	1.11	3.22	5	9.1	7.2	23.21	0	34.35	24.29	11.02	24	0.98	964.29	964.4	966.2	966.47	0	972.4	OUT-EXA1
2	1	28,024	3.8	4.34	0.46	1.75	2.11	9	9	7.2	15.26	0	26.4	38.73	9.02	24	2.5	967.47	968.17	969.2	969.96	972.4	972.91	A1-A2
3	2	58,072	0.26	0.54	0.49	0.13	0.37	5	6.2	8	2.92	0	14.06	57.43	5.74	24	5.49	968.37	971.56	969.96	972.91	972.91	976.68	A2-A3
4	3	132,568	0.15	0.28	0.81	0.12	0.24	5	5.9	8.1	1.92	0	13.06	35.98	10.23	18	10	972.06	985.32	972.91	986.67	976.68	992.01	A3-A4
5	4	48,274	0	0	0	0	0	0	0	0	0	11.14	11.14	11.34	7.14	18	0.99	986.64	987.12	987.85	988.4	992.01	995.88	A4-A5
6	4	31,586	0.13	0.13	0.9	0.12	0.12	5	5	8.4	0.98	0	0.98	11.45	3.43	18	1.01	987.74	988.06	988.04	988.43	992.01	991.93	A4-A4.1
7	Outfall	62,845	0.21	2.31	0.82	0.17	1.5	5	43	3.6	5.38	0	5.38	198.18	2.11	60	0.49	987.56	987.87	990.34	988.5	996.92	996.39	A6-A7
8	1	34,502	0	0.8	0	0	0.31	0	5.1	8.4	2.61	0	2.61	11.29	4.52	18	0.99	991.26	991.6	991.75	992.21	996.39	997.02	A7-A7.1
9	2	6,922	0.8	0.8	0.39	0.31	0.31	5	5	8.4	2.62	0	2.62	35.92	7.84	18	0.97	993.83	994.52	994.1	995.13	997.02	996.73	A7.1-A7.2
10	1	94,185	0.37	1.3	0.8	0.3	1.01	5	39.1	3.8	3.85	0	3.85	201.44	3.05	60	0.51	987.87	988.35	988.5	988.88	996.39	997.17	A7-A8
11	4	39,32	0	0.21	0	0	0.1	0	12.3	6.3	0.63	0	0.63	11.33	3.01	18	0.99	992.08	992.47	992.32	992.76	997.17	997.86	A8-A8.1
12	5	62,036	0.09	0.21	0.76	0.07	0.1	5	11.5	6.7	0.67	0	0.67	11.37	2.68	18	1	992.47	993.09	992.76	993.39	997.86	997.99	A8.1-A8.2
13	6	59,896	0.12	0.12	0.27	0.03	0.03	5	5	8.4	0.27	0	0.27	22.63	1.56	18	3.96	993.09	995.46	993.39	995.65	997.99	997.67	A8.2-A8.3
14	4	200,009	0.15	0.72	0.86	0.13	0.62	5	25.8	4.7	2.91	0	2.91	199.52	2.89	60	0.5	988.35	989.35	988.88	989.81	997.17	1000.54	A8-A9
15	8	68,499	0.18	0.57	0.82	0.15	0.49	5	20.2	5.3	2.59	0	2.59	198.81	2.96	60	0.5	989.35	989.69	989.81	990.13	1000.54	1001.02	A9-A10
16	9	131,713	0.39	0.39	0.87	0.34	0.34	5	5	8.4	2.84	0	2.84	199.74	3.28	60	0.5	989.69	990.35	990.13	990.81	1001.02	1003.39	A10-A11
17	Outfall	79,113	0	0.6	0	0	0.46	0	6.4	9.5	3.65	0	3.65	15.82	3.47	18	1.93	987.74	989.27	988.83	990	990.45	992.16	EXB1-B2
18	11	161,951	0.24	0.48	0.84	0.2	0.4	5	5.2	8.3	3.35	0	3.35	17.49	4.05	18	2.36	989.27	993.1	990	993.8	992.16	996.1	B2-B3
19	12	11,891	0.24	0.24	0.84	0.2	0.2	5	5	8.4	1.69	0	1.69	23.79	3.34	18	4.37	993.3	993.82	993.8	994.31	996.1	996.03	B3-B4
20	11	8,067	0.12	0.12	0.51	0.06	0.06	5	5	9.9	0.61	0	0.61	11.33	1.59	18	0.99	989.27	989.35	990	989.64	992.16	992.19	B2-B2.1

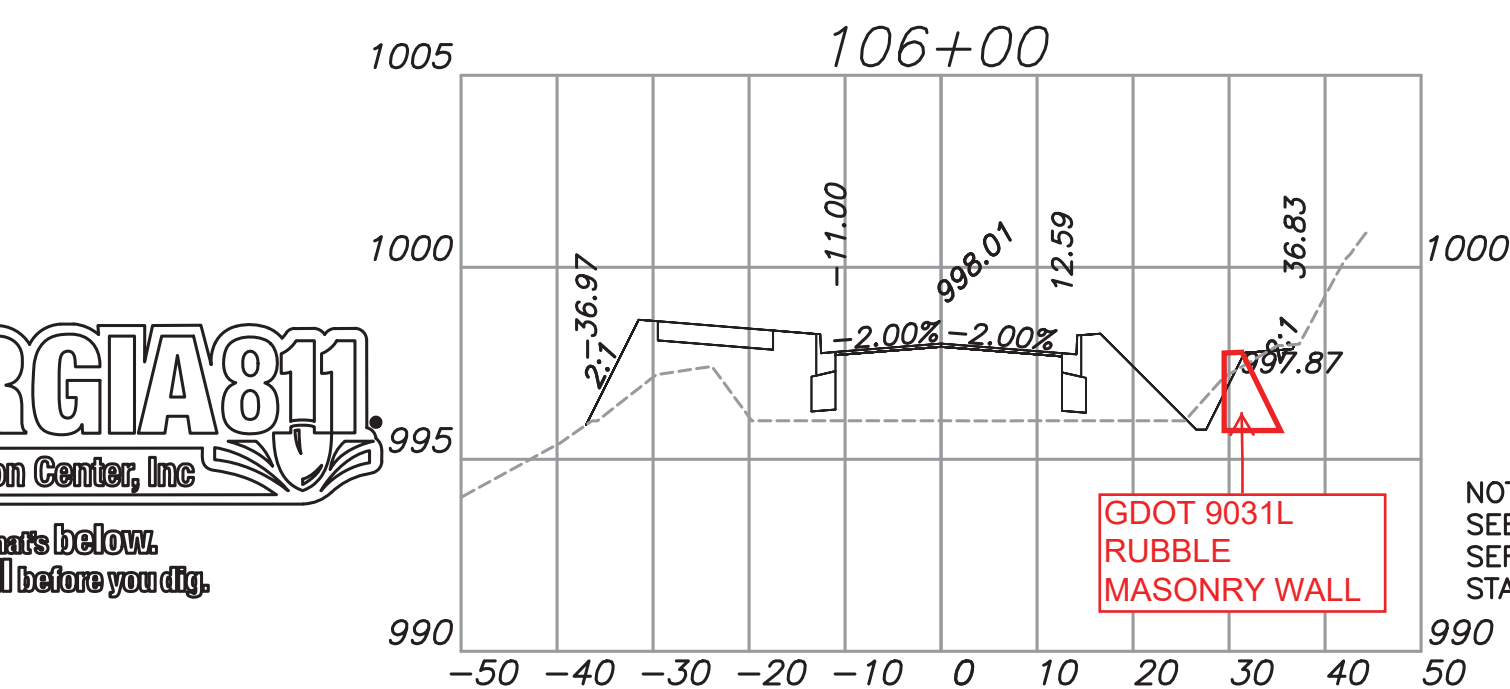
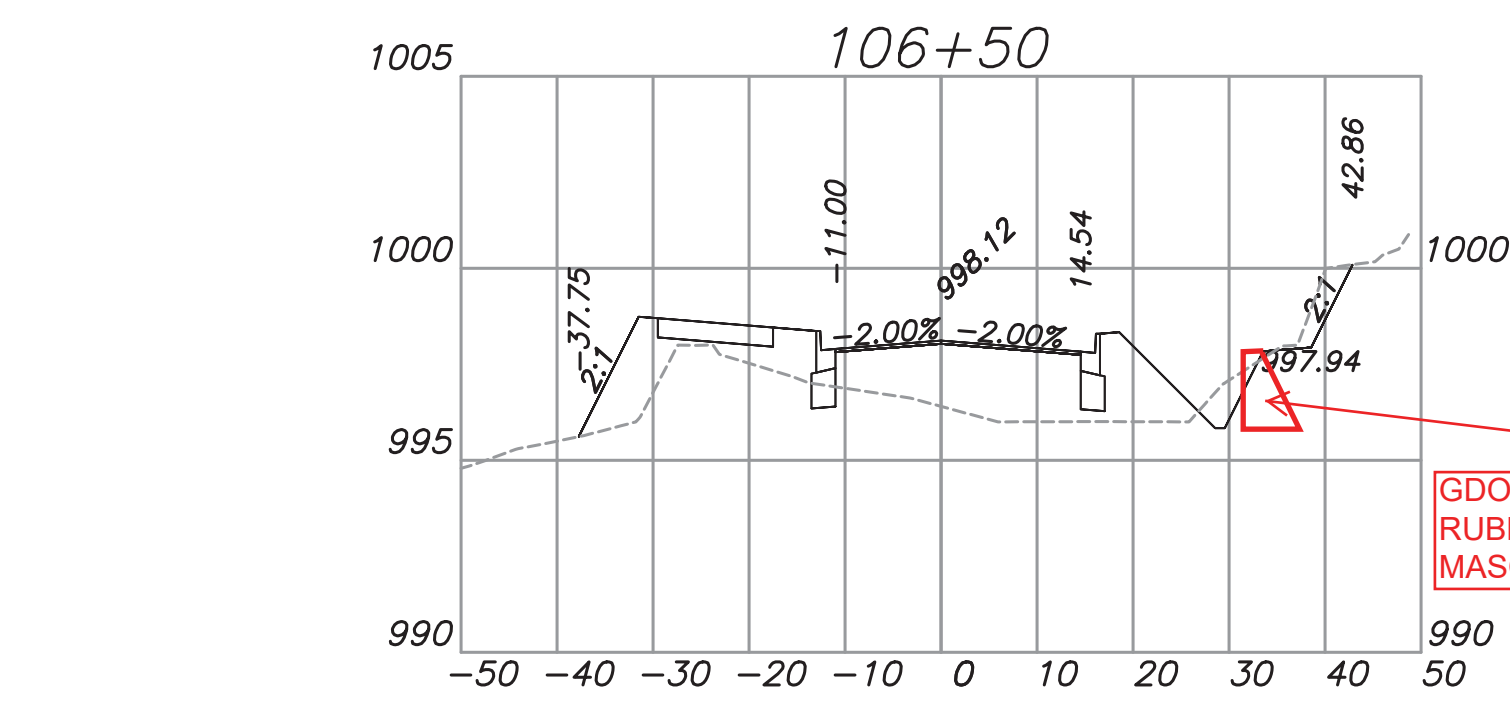
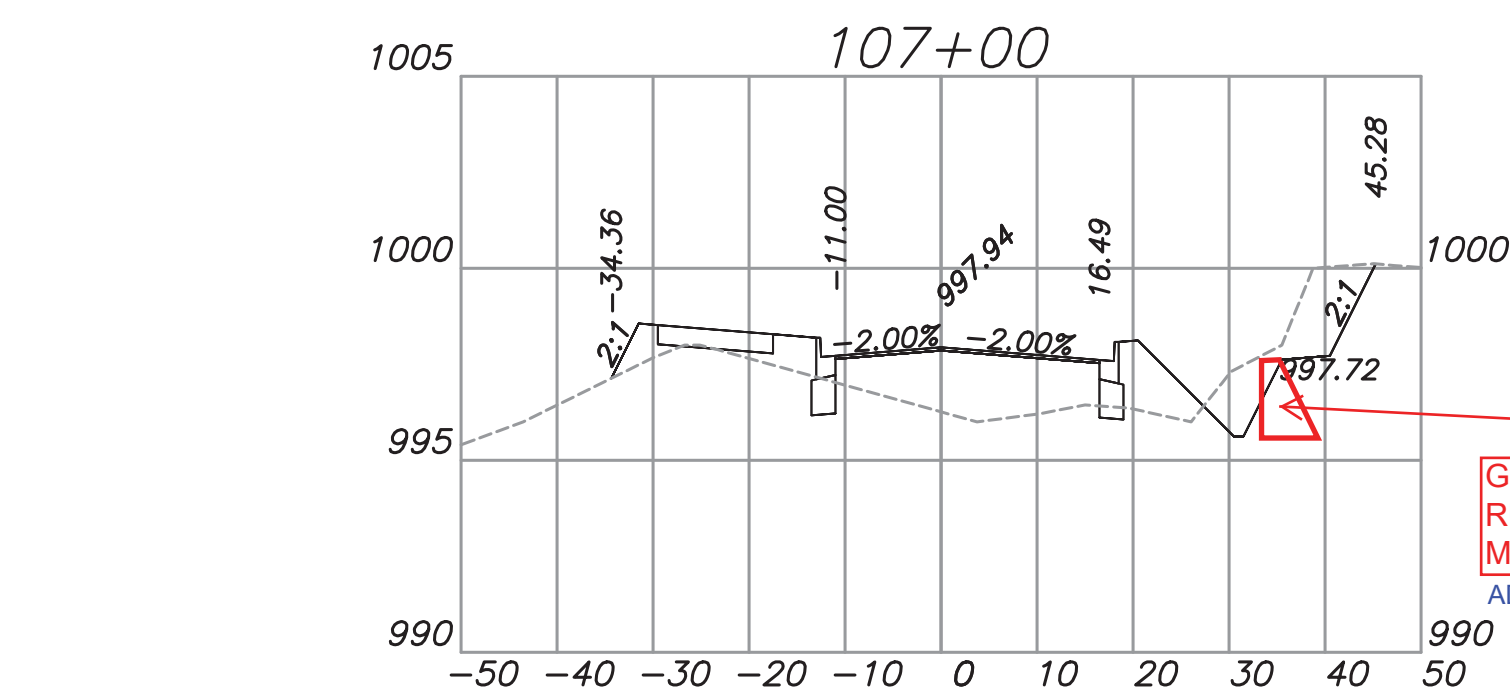
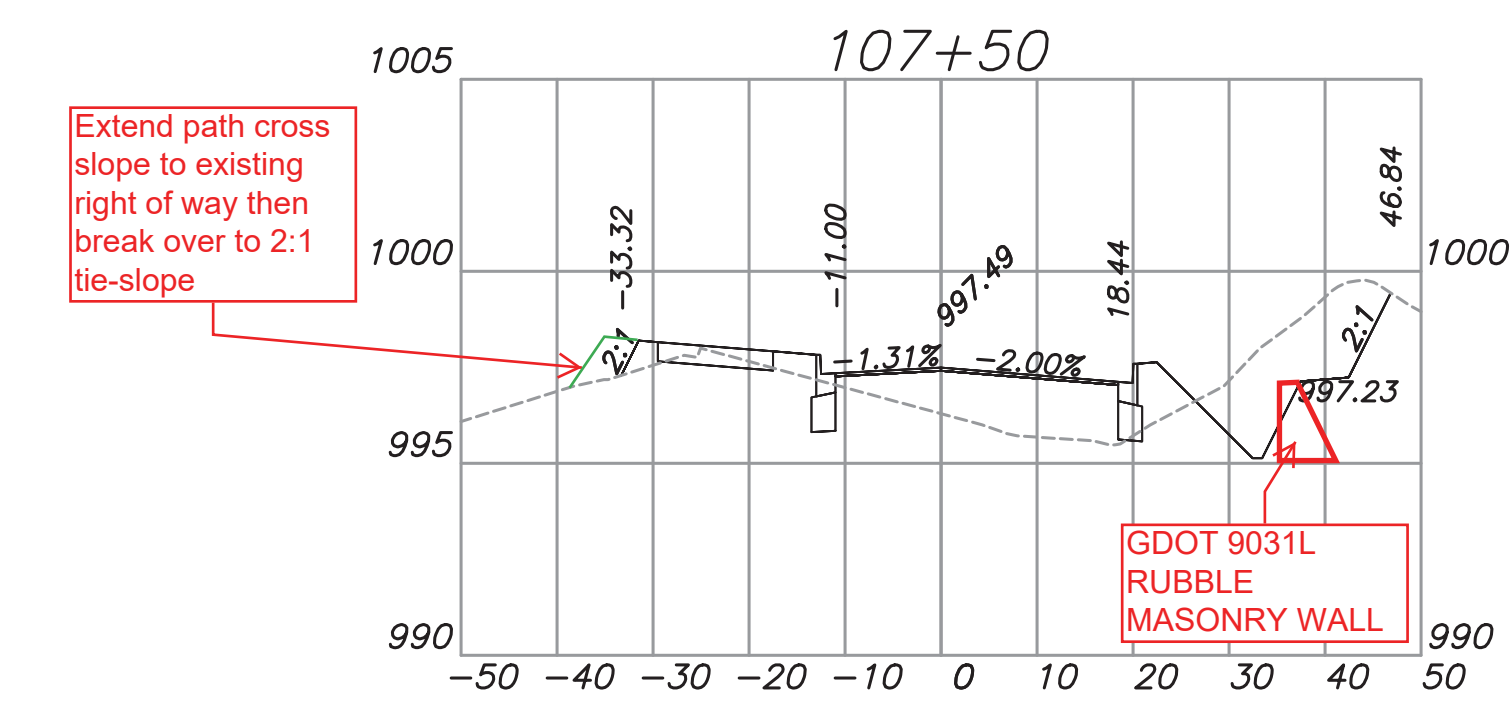
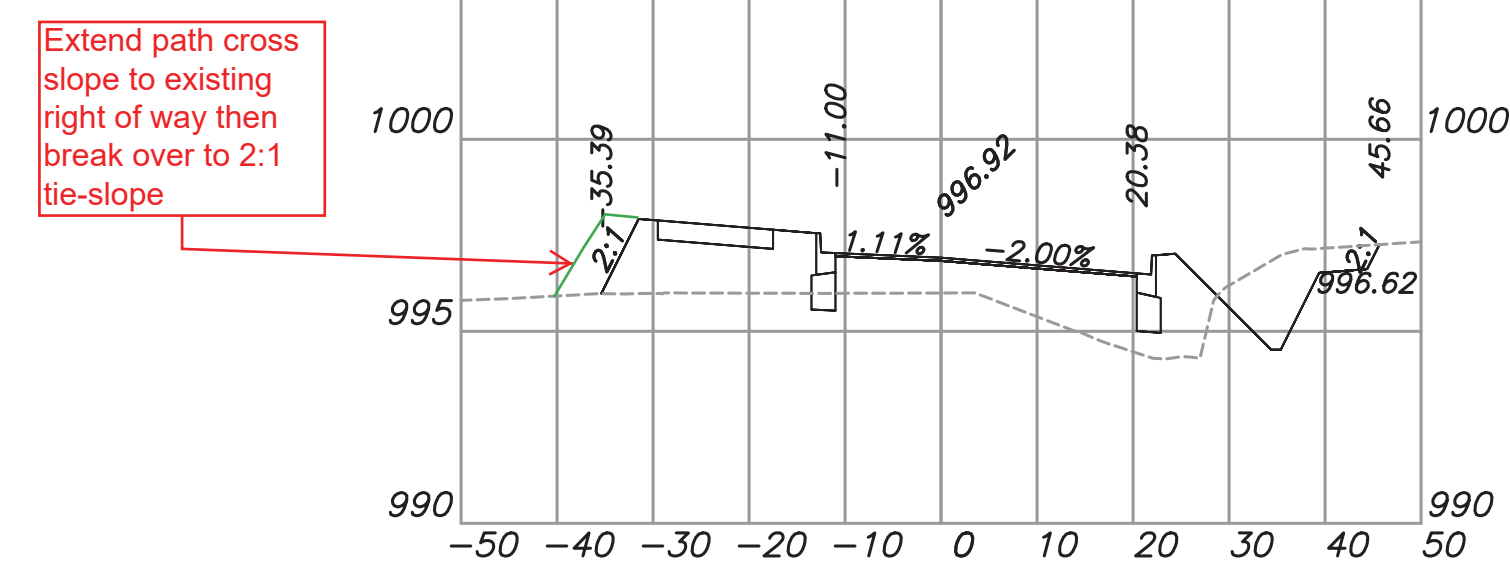
100 YEAR STORM EVENT																								
Line	ToLine	LineLength (ft)	IncrArea (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A	TotalC x A	InletTime (min)	TimeConc (min)	Rainfall (in/hr)	TotalRunoff (cfs)	AdmiFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Grnd/RimDn (ft)	Grnd/RimUp (ft)	Line ID
1	Outfall	11,199	2.05	6.39	0.54	1.11	3.22	5	9	8.6	27.81	0	41.74	24.29	13.32	24	0.98	964.29	964.4	966.25	966.58	0	972.4	OUT-EXA1
2	1	28,024	3.8	4.34	0.46	1.75	2.11	9	9	8.6	18.28	0	32.21	38.73	10.25	24	2.5	967.47	968.17	970.62	971.1	972.4	972.91	A1-A2
3	2	58,072	0.26	0.54	0.49	0.13	0.37	5	6	9.6	3.5	0	17.43	57.43	5.55	24	5.49	968.37	971.56	973.47	973.77	972.91	976.68	A2-A3
4	3	132,568	0.15	0.28	0.81	0.12	0.24	5	5.8	9.7	2.3	0	16.23	35.98	9.27	18	10	972.06	985.32	974.01	986.75	976.68	992.01	A3-A4
5	4	48,274	0	0	0	0	0	0	0	0	0	13.93	13.93	11.34	7.88	18	0.99	986.64	987.12	988.14	988.86	992.01	995.88	A4-A5
6	4	31,586	0.13	0.13	0.9	0.12	0.12	5	5	9.9	1.16	0	1.16	11.45	3.16	18	1.01	987.74	988.06	988.06	988.45	992.01	991.93	A4-A4.1
7	Outfall	62,845	0.21	2.31	0.82	0.17	1.5	5	37	4.8	7.2	0	7.2	198.18	2.34	60	0.49	987.56	987.87	990.34	988.6	996.92	996.39	A6-A7
8	1	34,502	0	0.8	0	0	0.31	0	5.1	9.9	3.1	0	3.1	11.29	4.75	18	0.99	991.26	991.6	991.75	992.27	996.39	997.02	A7-A7.1
9	2	6,922	0.8	0.8	0.39	0.31	0.31	5	5	9.9	3.1	0	3.1	35.92	8.25	18	0.97	993.83	994.52	994.13	995.19	997.02	996.73	A7.1-A7.2
10	1	94,185	0.37	1.3	0.8	0.3	1.01	5	33.7	5.1	5.12	0	5.12	201.44	3.28	60	0.51	987.87	988.35	988.5	988.97	996.39	997.17	A7-A8
11	4	39,32	0	0.21	0	0	0.1	0	12.3	7.8	0.79	0	0.79	11.33	3.21	18	0.99	992.08	992.47	992.35	992.8	997.17	997.86	A8-A8.1
12	5	62,036	0.09	0.21	0.76	0.07	0.1	5	10.5	8.3	0.83	0	0.83	11.37	2.83	18	1	992.47	993.09	992.8	993.43	997.86	997.99	A8.1-A8.2
13	6	59,896	0.12	0.12	0.27	0.03	0.03	5	5	9.9	0.32	0	0.32	22.63	1.61	18	3.96	993.09	995.46	993.43	995.67	997.99	997.67	A8.2-A8.3
14	4	200,009	0.15	0.72	0.86	0.13	0.62	5	22.5	6.1	3.79	0	3.79	199.52	3.07	60	0.5	988.35	989.35	988.97	989.88	997.17	1000.54	A8-A9
15	8	68,499																						



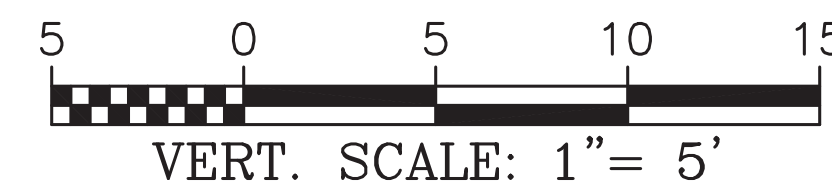
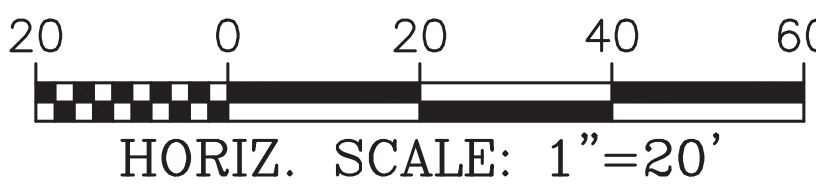
101+50



103+50



105+50



NOTE:
SEE TYPICAL SECTIONS AND 400
SERIES FOR PAVING SECTION
STATIONING



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

WINTERS CHAPEL ROAD
MULTI-USE TRAIL

CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE

SHEET TITLE
MAINLINE CROSS
SECTIONS

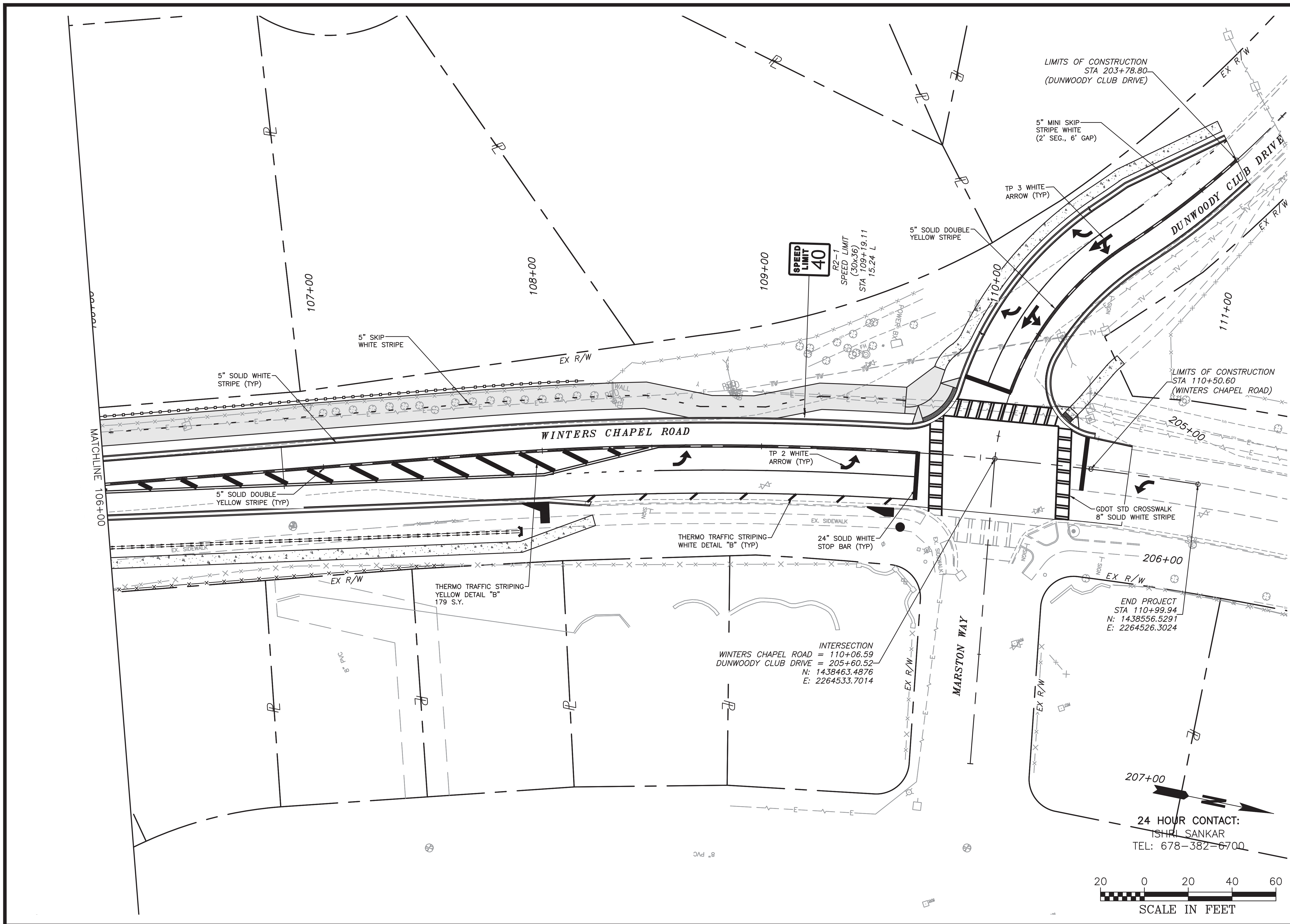

DRAWN BY SMM	CHECKED BY KAK
SCALE AS SHOWN	ISSUE DATE 09/03/2020

PROJECT NUMBER
1588.03

DRAWING NUMBER
C-501

SHEET 23 of 51

Drawing Location: P:\Marietta\1588.003 Winters Chapel Multi-Use Trail\Engineering\Design\1588.03 Design.dwg
Plot Scale: 1"=50'
Plot Style: Transportation.ctb
Printed By: Scott McElroy on 03/2020, 2:08 PM

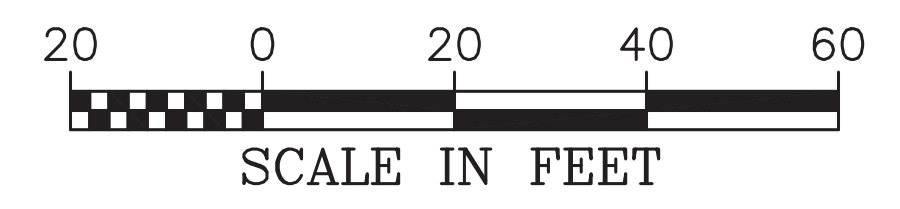
CROY
 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**
 CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

NO.	REVISION REFERENCE	DATE

SHEET TITLE
**SIGNING AND MARKING
 PLANS**

DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=20'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER C-603	
SHEET 28 of 51	



24 HOUR CONTACT:
 ISHRI SANKAR
 TEL: 678-382-6700

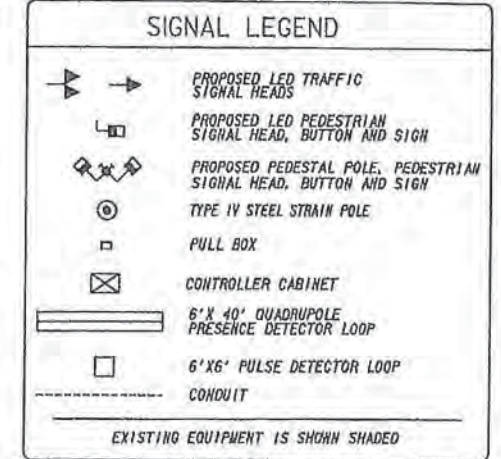
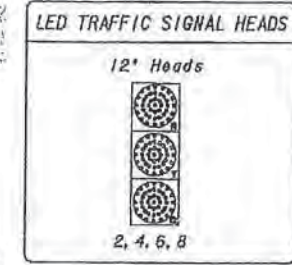
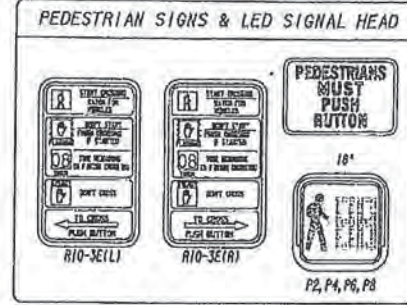
INTERSECTION
 WINTERS CHAPEL ROAD = 110+06.59
 DUNWOODY CLUB DRIVE = 205+60.52
 N: 1438463.4876
 E: 2264533.7014

END PROJECT
 STA 110+99.94
 N: 1438556.5291
 E: 2264526.3024

Drawing Location: P:\Marietta\1588.03\Winters Chapel\Multi-Use Trail\Engineering\Design\1588.03 Signage and Pavement Marking Plan.dwg
 Plot Scale: 1"=20' Drawing Rotation: 258.3° Plot Style: Transportation.ctb, Plotted By: Scott McCall on 9/3/2020, 2:09 PM

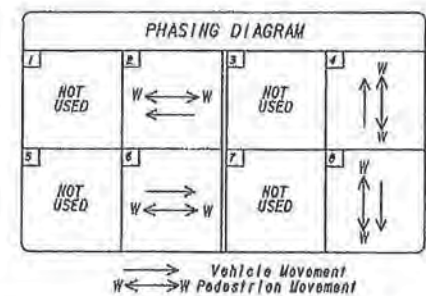
TRAFFIC SIGNAL GENERAL NOTES:

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, INCLUDING SUBSEQUENT PUBLISHED RULINGS.
2. ALL SIGNAL INSTALLATION METHODS, PROCEDURES AND MATERIALS SHALL BE IN ACCORDANCE WITH DEKALB COUNTY PUBLIC WORKS CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS FOR SIGNAL INSTALLATION.
3. 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.
4. ALL SIGNAL AND PEDESTRIAN HEADS SHALL BE LIGHT EMITTING DIODES (LED) AND HAVE RIGID MOUNTING HARDWARE, COLORED BLACK.
5. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.
6. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES AND DETERMINE AERIAL CONFLICTS 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 AND AERIAL UTILITIES (PER NEC). MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS AND ACCESSIBILITY TO PEDESTRIAN PUSH BUTTONS LOCATED ON STRAIN POLES SHALL BE MAINTAINED.
7. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNAL DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS INCLUDING TEMPORARY SUPPORT POLE LOCATION(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE.
8. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DEKALB COUNTY TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.
9. SAW CUTS FOR LOOP DETECTOR WIRE SHALL BE MADE THROUGH TANGENT CURB & GUTTER SECTIONS AND NOT THROUGH INTERSECTION RADII.
10. PED PUSH BUTTONS AND SIGNS SHALL BE USED AT ALL SIGNALIZED CROSSWALKS. ALL PEDESTRIAN PUSH BUTTONS SHALL BE WITHIN A 10' REACH FROM THE RAMPS.
11. CONTRACTOR SHALL NOT MAKE SPLICES IN PULL BOXES.
12. ALL EXISTING LOOPS THAT REMAIN SHALL BE TESTED FOR PROPER DETECTION. ALL MALFUNCTIONING LOOPS SHALL BE RECUT.
13. ALL EXISTING SIGNAL EQUIPMENT THAT REMAINS SHALL BE INSPECTED FOR PROPER FUNCTION. ANY DAMAGED OR MALFUNCTIONING EQUIPMENT SHALL BE REPLACED. CONTRACTOR SHALL COORDINATE WITH DEKALB COUNTY FOR ACQUISITION OF REPLACEMENT EQUIPMENT.

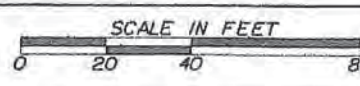


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		34	74
REVISION DATES			

5/24/2004 1:24:11 PM p:\15281008-Dekalb County\wg_9 Winters Chapel\wpn\040581GNAL.dgn



LOOP	PHASE	MODE	MEMORY	DISTANCE FROM STOP BAR
2	2	PULSE	L	-300' (EX)
4	4	PRESENCE	NL	+5' (EX)
6	6	PULSE	L	-300' (EX)
8A	4	PRESENCE	NL	+5'
8B	4	PRESENCE	NL	+5'



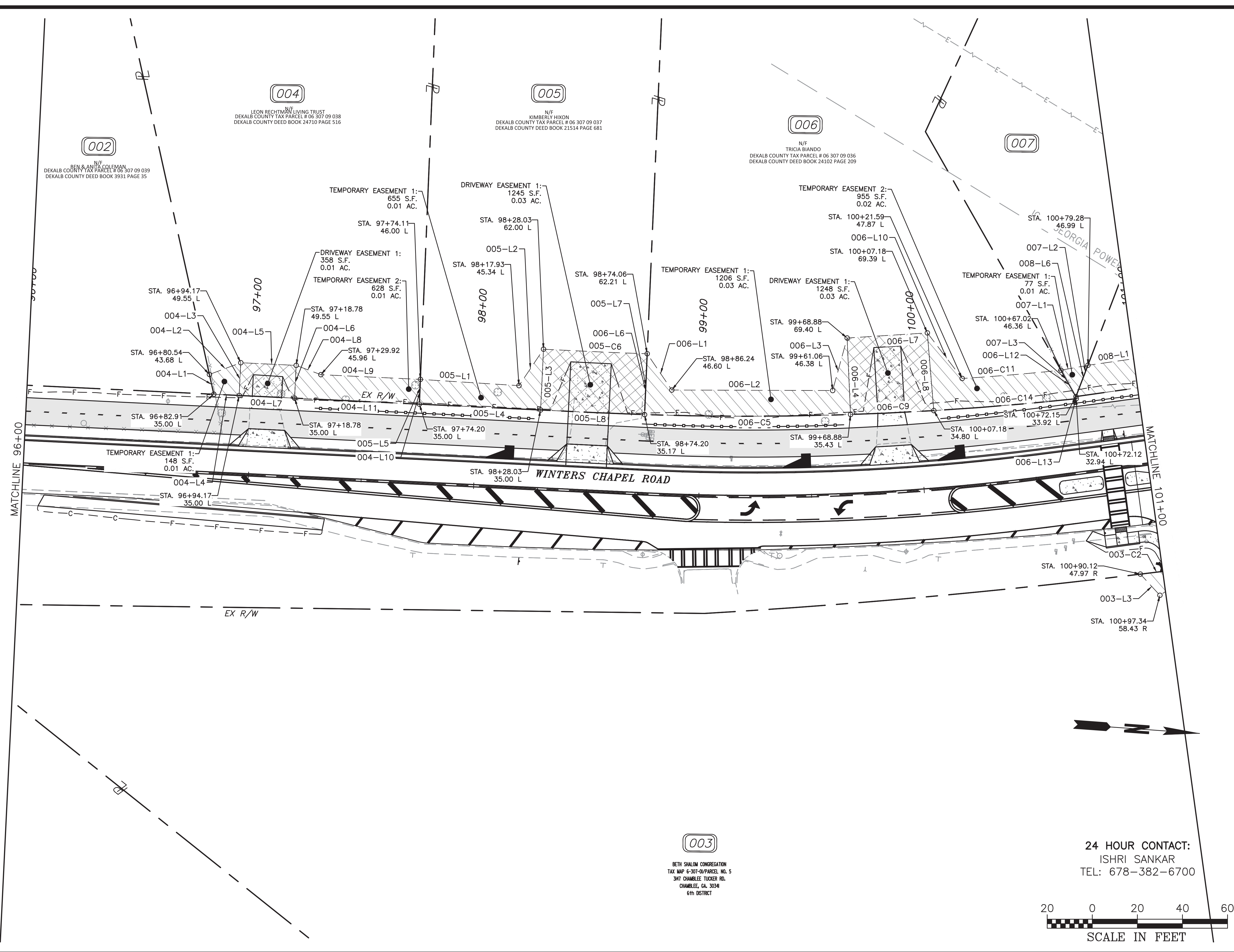
DEKALB COUNTY PUBLIC WORKS
TRANSPORTATION DIVISION

URS
423 NORTH PARK TOWN CENTER
1088 ABERNATHY ROAD, NE
SUITE 900
ATLANTA, GA 30329
TEL: (404) 896-8900 FAX: (404) 896-8480

WINTERS CHAPEL RD. / DUNWOODY CLUB DR. — SIGNAL CONSTRUCTION PLAN
DEKALB COUNTY LOCATION I. D. NUMBER: 230.80

DRAWING NO. 27-01

MATERIALS	ESTIMATED LIST OF MATERIALS	UNIT	QUANTITY
	LOOP/PEDE DETECTOR LEAD-IN WIRE (SHIELDED 1MSA 20-2, TWISTED/1000 FT), 3 PAIR, 18 AWG	REEL	1
	LOOP DETECTOR WIRE (1MSA SPEC 51-5, 14 AWG, STRANDED/1000 FT)	REEL	1
	ONE-WAY, 1-SECTION, 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/WAN OVERLAP	EA	8
	PEDESTRIAN PUSH BUTTON AND SIGN, W/8" ADA PLUNGER	EA	8
	HARDWARE FOR BRACKET ERECTION ON STEEL, CONCRETE OR WOOD POLES FOR 18" PEDESTRIAN SIGNAL HEADS, TWO-WAY MOUNTING	EA	1
	10" PEDESTAL POLE, INCLUDING FOOTING	EA	3
	PULL BOX, TYPE 1	EA	1
	PULL BOX, TYPE 2	EA	3
	LOOP SAW CUT	LF	300
	NONMETAL CONDUIT, 1"	LF	20
	NONMETAL CONDUIT, 2"	LF	100
	MISC. MATERIAL TO COMPLETE INSTALLATION	LUMP	LUMP
PAY ITEMS			
	647-1000 TRAFFIC SIGNAL INSTALLATION, NO. 1	LUMP	1
	639-3004 STEEL STRAIN POLE, TYPE IV	EA	1



MATCHLINE 96+00

MATCHLINE 101+00

004
LEON RECHTMAN LIVING TRUST
DEKALB COUNTY TAX PARCEL # 06 307 09 038
DEKALB COUNTY DEED BOOK 24710 PAGE 516

005
N/F
KIMBERLY HIXON
DEKALB COUNTY TAX PARCEL # 06 307 09 037
DEKALB COUNTY DEED BOOK 21514 PAGE 681

006
N/F
TRICIA BIANDO
DEKALB COUNTY TAX PARCEL # 06 307 09 036
DEKALB COUNTY DEED BOOK 24102 PAGE 209

002
N/F
BENJAMIN COLEMAN
DEKALB COUNTY TAX PARCEL # 06 307 09 039
DEKALB COUNTY DEED BOOK 3931 PAGE 35

007
N/F
DEKALB COUNTY TAX PARCEL # 06 307 09 035
DEKALB COUNTY DEED BOOK 24102 PAGE 209

003
BETH SHALOM CONGREGATION
TAX MAP 6-307-04/PARCEL NO. 5
347 CHAMBLEE TUCKER RD.
CHAMBLEE, GA. 30341
6th DISTRICT

24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700



CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

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**WINTERS CHAPEL ROAD
MULTI-USE TRAIL**

CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY, GA

NO.	REVISION REFERENCE	DATE

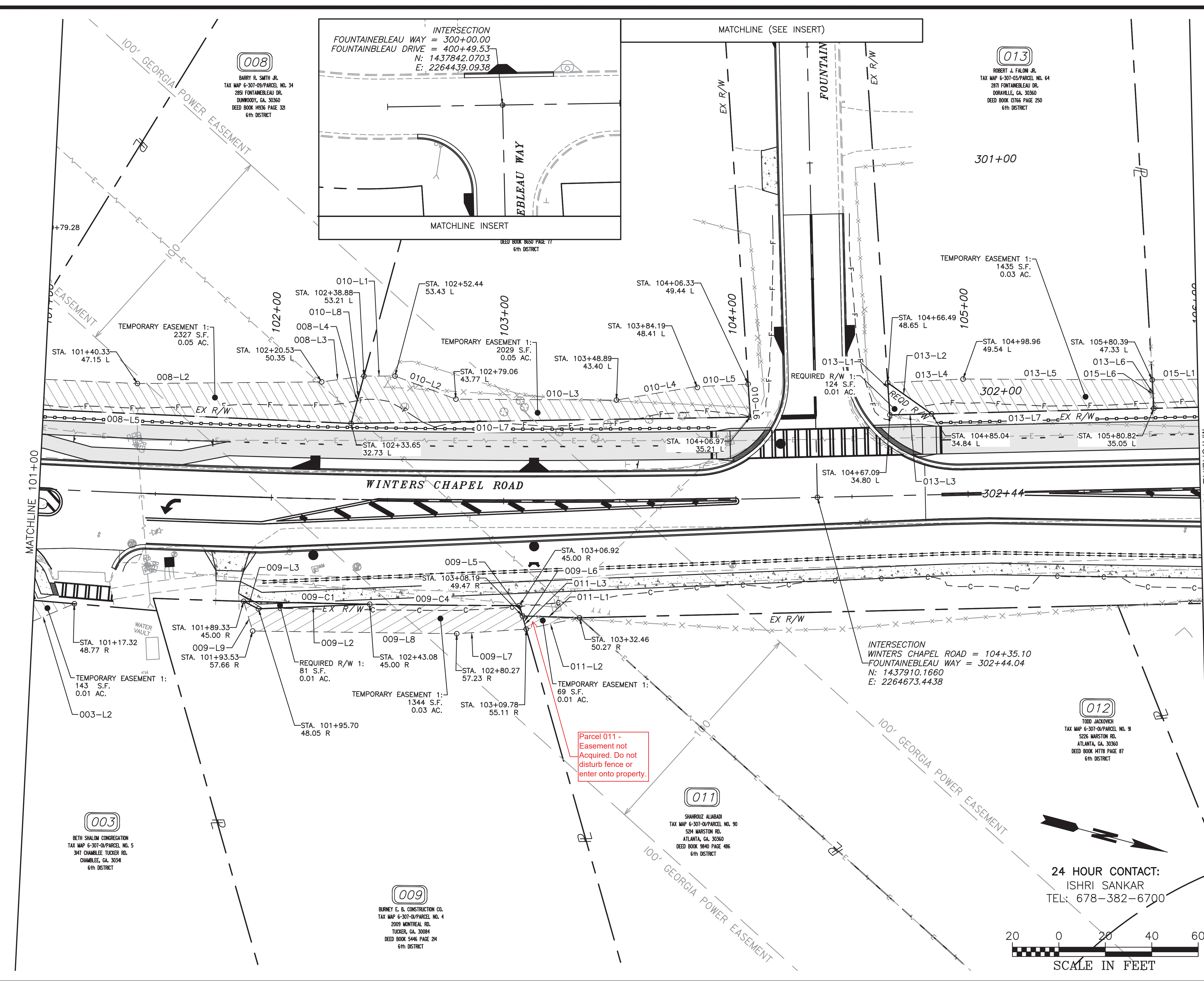
SHEET TITLE
RIGHT OF WAY PLANS

DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=20'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER C-701	
SHEET 30 of 51	

ISSUED FOR CONSTRUCTION

Plot Scale: 1"=20' Drawing Radiation: 265.8' Plot Style: Transportation.ctb, Plotted By: Scott McCall on 9/3/2020, 2:10 PM

Drawing Location: P:\Marietta\1588\003 Winters Chapel Multi-Use Trail\Engineering\Design\1588.03 ROW and Easement Plans.dwg



CROY
 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**
 CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

ISSUED FOR CONSTRUCTION

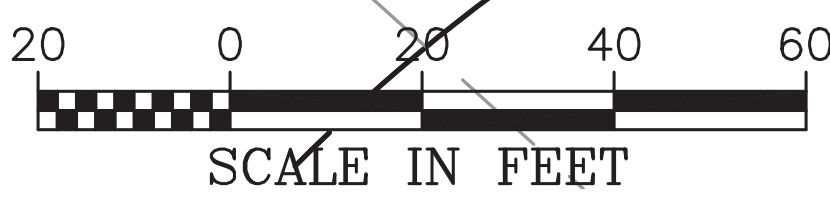
NO.	REVISION	REFERENCE	DATE

SHEET TITLE
RIGHT OF WAY PLANS

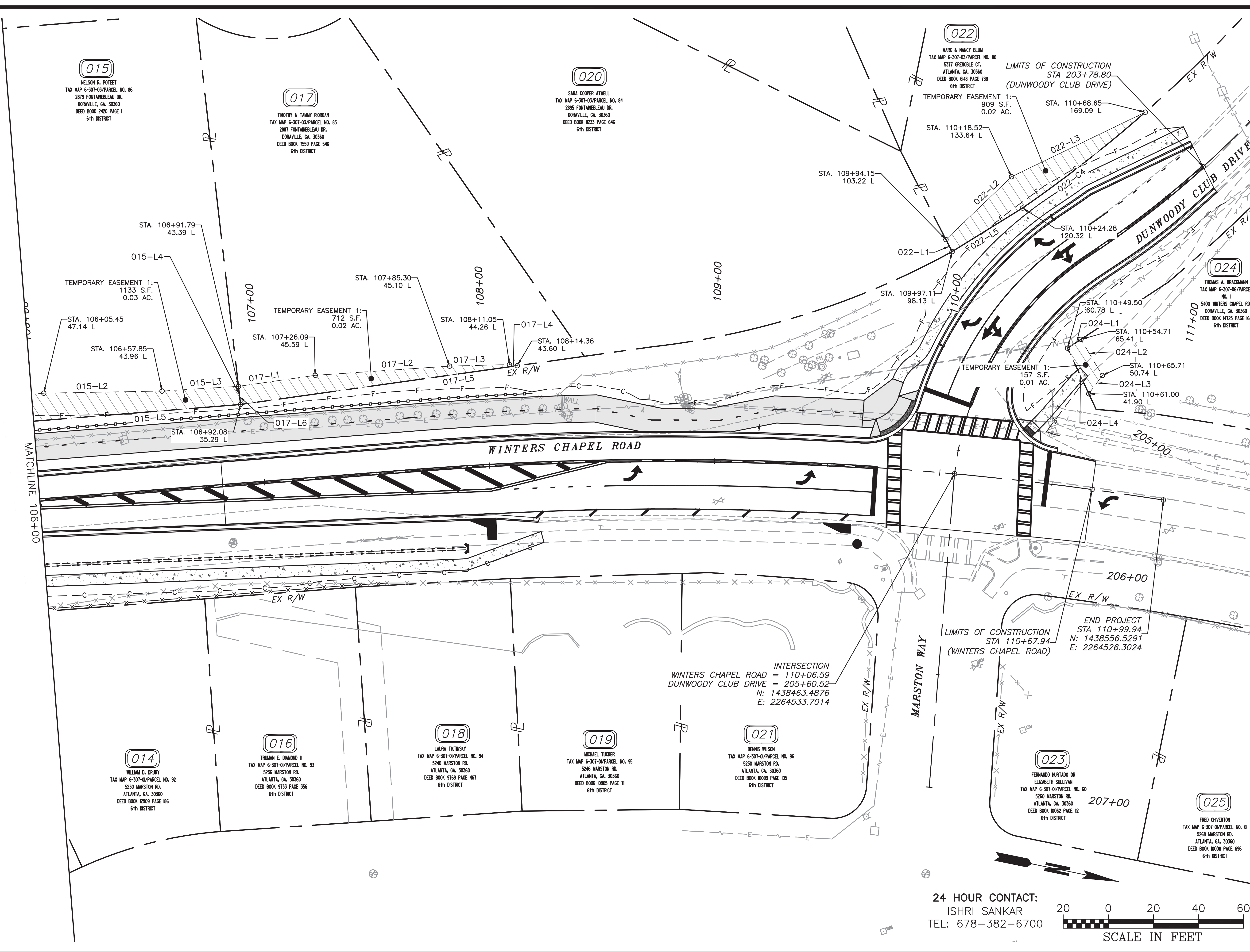
DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=20'	ISSUE DATE 09/03/2020

PROJECT NUMBER
1588.03
 DRAWING NUMBER
C-702
 SHEET 31 of 51

24 HOUR CONTACT:
 ISHRI SANKAR
 TEL: 678-382-6700



Drawing Location: P:\Marietta\1588.03 City of Dunwoody\1588.03 Winters Chapel Multi-Use Trail Engineering\Design\1588.03 ROW and Easement Plans.dwg
 Plot Scale: 1"=20' Drawing Rotation: 255.11 Plot Style: Transportation.ctb, Plotted By: Scott McCall on 09/20/20, 2:10 PM



015
NELSON R. POTEET
TAX MAP 6-307-03/PARCEL NO. 86
2879 FONTAINELEAU DR.
DORAVILLE, GA. 30360
DEED BOOK 2420 PAGE 1
6TH DISTRICT

017
TIMOTHY & TAMMY RORDAN
TAX MAP 6-307-03/PARCEL NO. 85
2887 FONTAINELEAU DR.
DORAVILLE, GA. 30360
DEED BOOK 1559 PAGE 546
6TH DISTRICT

020
SARA COOPER ATWELL
TAX MAP 6-307-03/PARCEL NO. 84
2895 FONTAINELEAU DR.
DORAVILLE, GA. 30360
DEED BOOK 8233 PAGE 646
6TH DISTRICT

022
MARK & NANCY BLUM
TAX MAP 6-307-03/PARCEL NO. 80
5377 GRENBLE CT.
ATLANTA, GA. 30360
DEED BOOK 648 PAGE 738
6TH DISTRICT

024
THOMAS A. BRACKMANN
TAX MAP 6-307-06/PARCEL
NO. 1
5400 WINTERS CHAPEL RD.
DORAVILLE, GA. 30360
DEED BOOK 14725 PAGE 164
6TH DISTRICT

014
WILLIAM D. DREBY
TAX MAP 6-307-04/PARCEL NO. 92
5230 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 12909 PAGE 186
6TH DISTRICT

016
TRUMAN E. DIAMOND III
TAX MAP 6-307-04/PARCEL NO. 93
5236 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 9733 PAGE 356
6TH DISTRICT

018
LAURA TIKINSKY
TAX MAP 6-307-04/PARCEL NO. 94
5240 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 9769 PAGE 467
6TH DISTRICT

019
MICHAEL TUCKER
TAX MAP 6-307-04/PARCEL NO. 95
5246 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10995 PAGE 71
6TH DISTRICT

021
DENNIS WILSON
TAX MAP 6-307-04/PARCEL NO. 96
5250 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10099 PAGE 105
6TH DISTRICT

023
FERNANDO HURTADO OR
ELIZABETH SULLIVAN
TAX MAP 6-307-04/PARCEL NO. 60
5260 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10062 PAGE 12
6TH DISTRICT

025
FRED CHVERTON
TAX MAP 6-307-04/PARCEL NO. 61
5268 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10068 PAGE 696
6TH DISTRICT

INTERSECTION
WINTERS CHAPEL ROAD = 110+06.59
DUNWOODY CLUB DRIVE = 205+60.52
N: 1438463.4876
E: 2264533.7014

LIMITS OF CONSTRUCTION
STA 110+67.94
(WINTERS CHAPEL ROAD)
END PROJECT
STA 110+99.94
N: 1438556.5291
E: 2264526.3024

24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700



CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620
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WINTERS CHAPEL ROAD
MULTI-USE TRAIL
CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

NO.	REVISION REFERENCE	DATE

SHEET TITLE
RIGHT OF WAY PLANS

DRAWN BY
SMM

CHECKED BY
KAK

SCALE
1"=20'

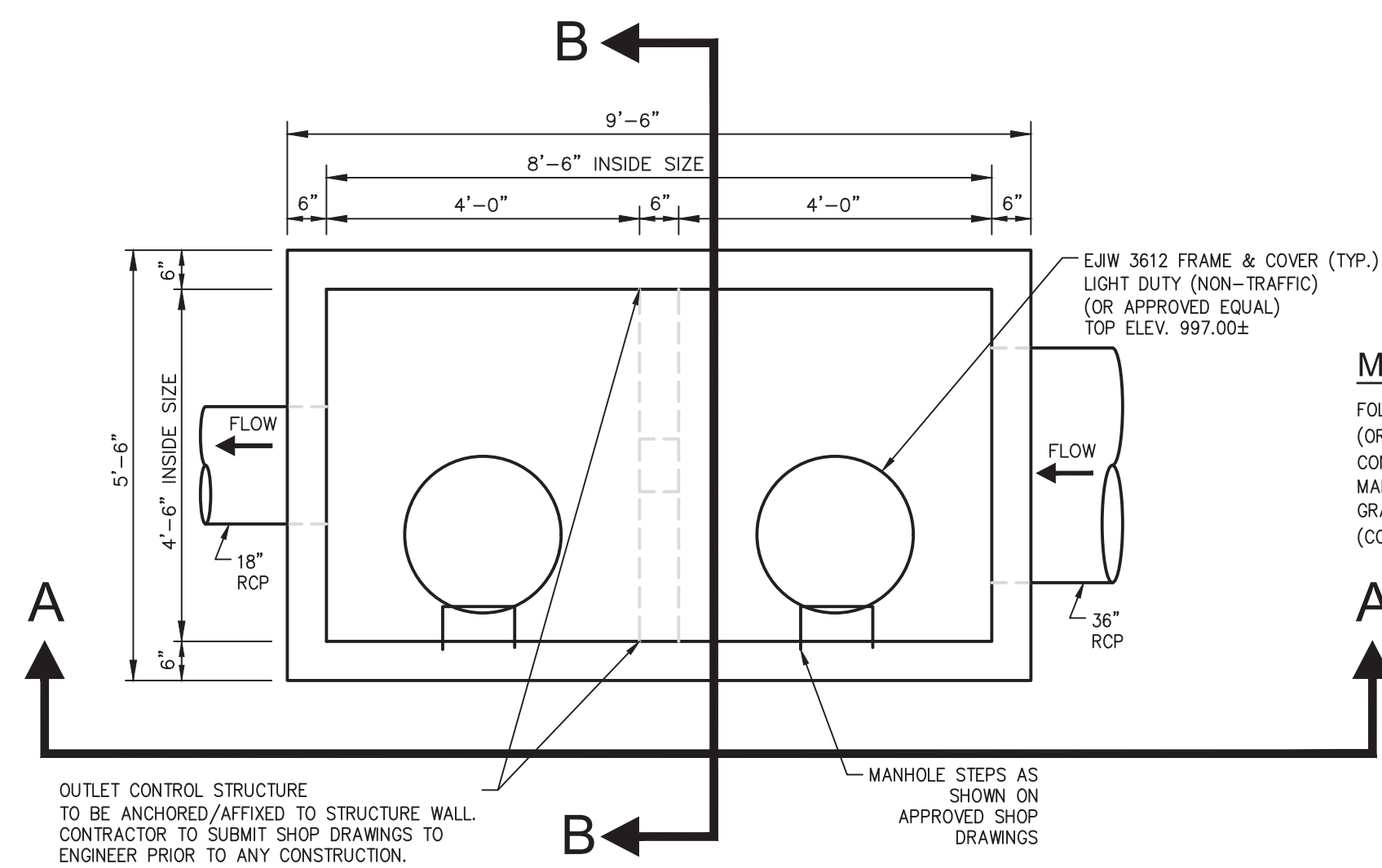
ISSUE DATE
09/03/2020

PROJECT NUMBER
1588.03

DRAWING NUMBER
C-703

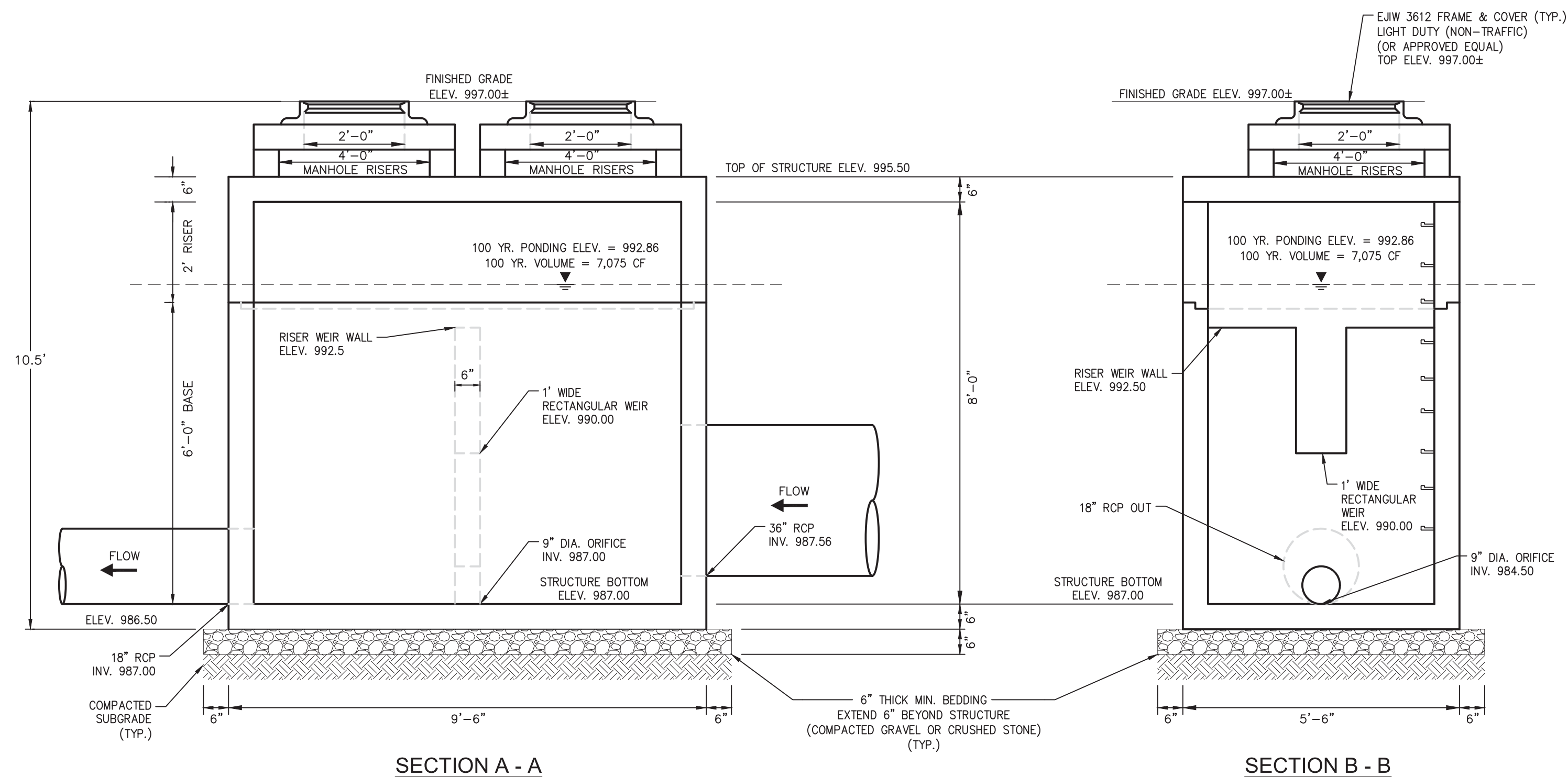
SHEET 32 of 51

Drawing Location: P:\Marietta\1588.03 City of Dunwoody\1588.03 Winters Chapel Multi-Use Trail Engineering\Design\1588.03 ROW and Easement Plans.dwg
 Plot Scale: 1"=20' Drawing Rotation: 258.3° Plot Style: Transportation.ctb, Plotted By: Scott McCall on 09/20/2020 2:10 PM



MATERIALS:
 FOLEY PRODUCTS COMPANY STANDARD BOX FORMS (8'-6"x4'-6", INSIDE SIZE) (OR APPROVED EQUAL)
 CONCRETE: 4000 P.S.I. TYPE 1/II CEMENT MANUFACTURED TO ASTM C-913
 GRADE 60 REINFORCEMENT
 (CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION)

OUTLET CONTROL STRUCTURE TO BE ANCHORED/AFFIXED TO STRUCTURE WALL. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER PRIOR TO ANY CONSTRUCTION. TOP OF RISER WEIR WALL ELEV. 992.50



OUTLET CONTROL STRUCTURE

SCALE: 1"=2'

AMERICAN RAILING SYSTEM HDP2006P ALUMINUM PICKET RAILING OR ENGINEER-APPROVED EQUIVALENT

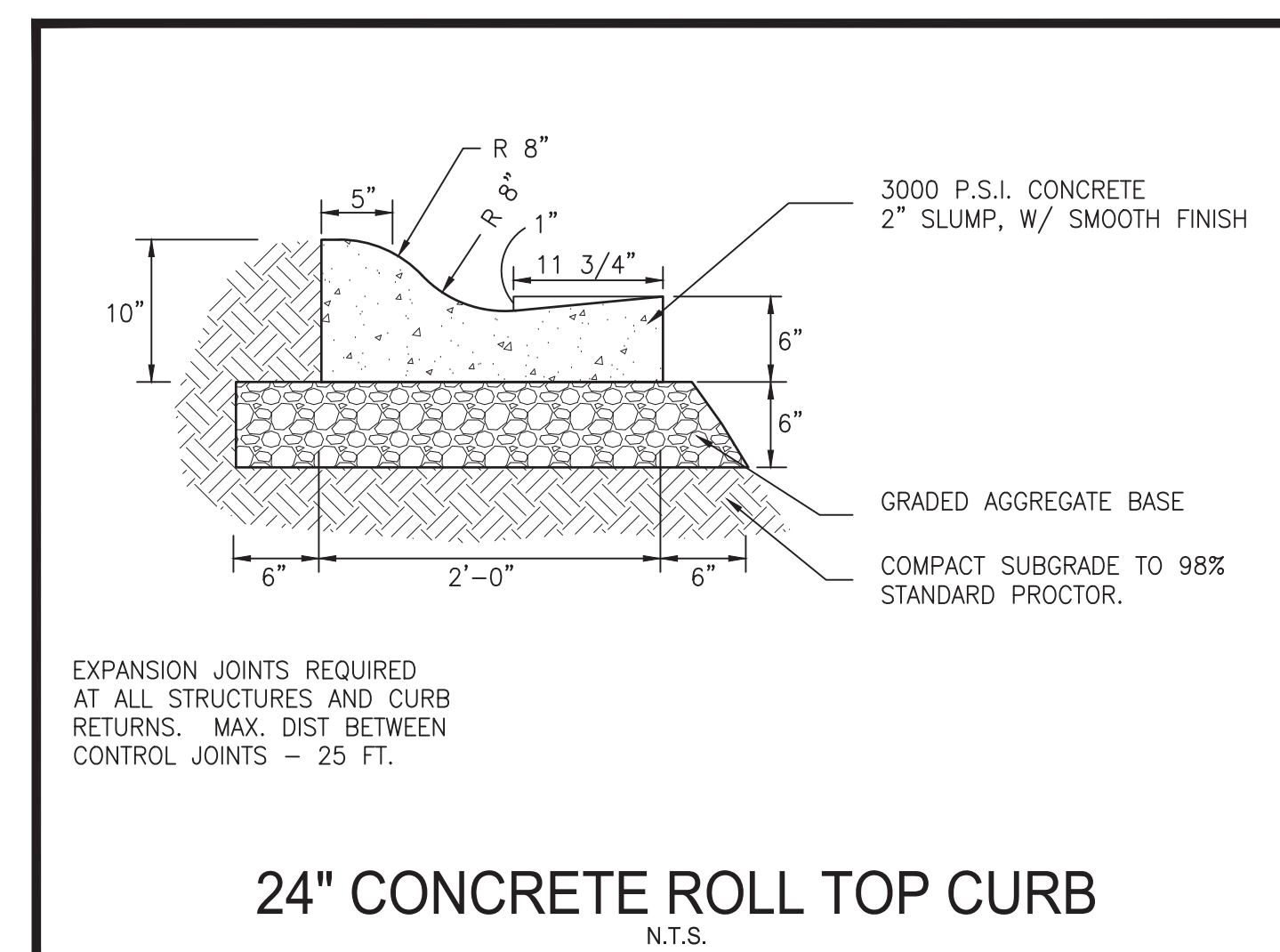
ITEM NO.	PART NO.	DESCRIPTION	MATERIAL
1	AR50P	TOP RAIL, 2 3/8" x 6" x 1/2"	6063-T6
2	AR50T	CHANNEL, 3/4" x 1 1/2" x 3/4"	6063-T6
3	AR50R	CHANNEL, 1 1/4" x 6" x 1/2" W/ WALL	6063-T6
4	AR50P	PICKET, 3/4" x 1" SECT.	6063-T6
5	AR50P	POST, 2" DIA.	6063-T6
6	PCI	ANGLE CLIP, 1 1/4" x 1/2" x 1/2" x 1 1/4"	6063-T6
7	AR50R	POST BRACE, 2 1/2" H. x 4 3/4" SS	ALUM. CASTING
8	SP-4488R	POST BRACKET, SS	ALUM.
9	SS	SS SELF TAPPING SCREW	SS
10	SP-4488R	POST BRACKET, SS	ALUM.

AVAILABLE PICKETS
 5/8" DIA. SS
 3/4" x 1 1/2"
 1 1/4" x 6" x 1/2" W/ WALL

AVAILABLE POSTS
 2" DIA.
 2 1/2" DIA.
 3" DIA.

NOTES:
 - DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL DIMENSIONS OF ENCLOSURE WITH MANUFACTURER.
 - COLOR FRAME TO BE BLACK POWDER COATED. ALL FASTENERS TO BE HOT DIPPED GALVANIZED.
 - FREE-STANDING FENCE AND ITS FOOTING WILL BE PAID FOR UNDER 643-8405 FENCE, SPECIAL DESIGN (LF).
 - PEDESTRIAN FENCING TO BE LOCATED WHERE FALL OF 30" OR GREATER EXISTS WITHIN THE PROJECT AREA RELATED TO PROPOSED IMPROVEMENTS.

City of Dunwoody
 PUBLIC WORKS DEPARTMENT
 HANDRAIL DETAIL
 DATE: 5-7-21
 SCALE: NTS
 REVISIONS:



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

CROY
 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

WINTERS CHAPEL ROAD
 MULTI-USE TRAIL
 CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

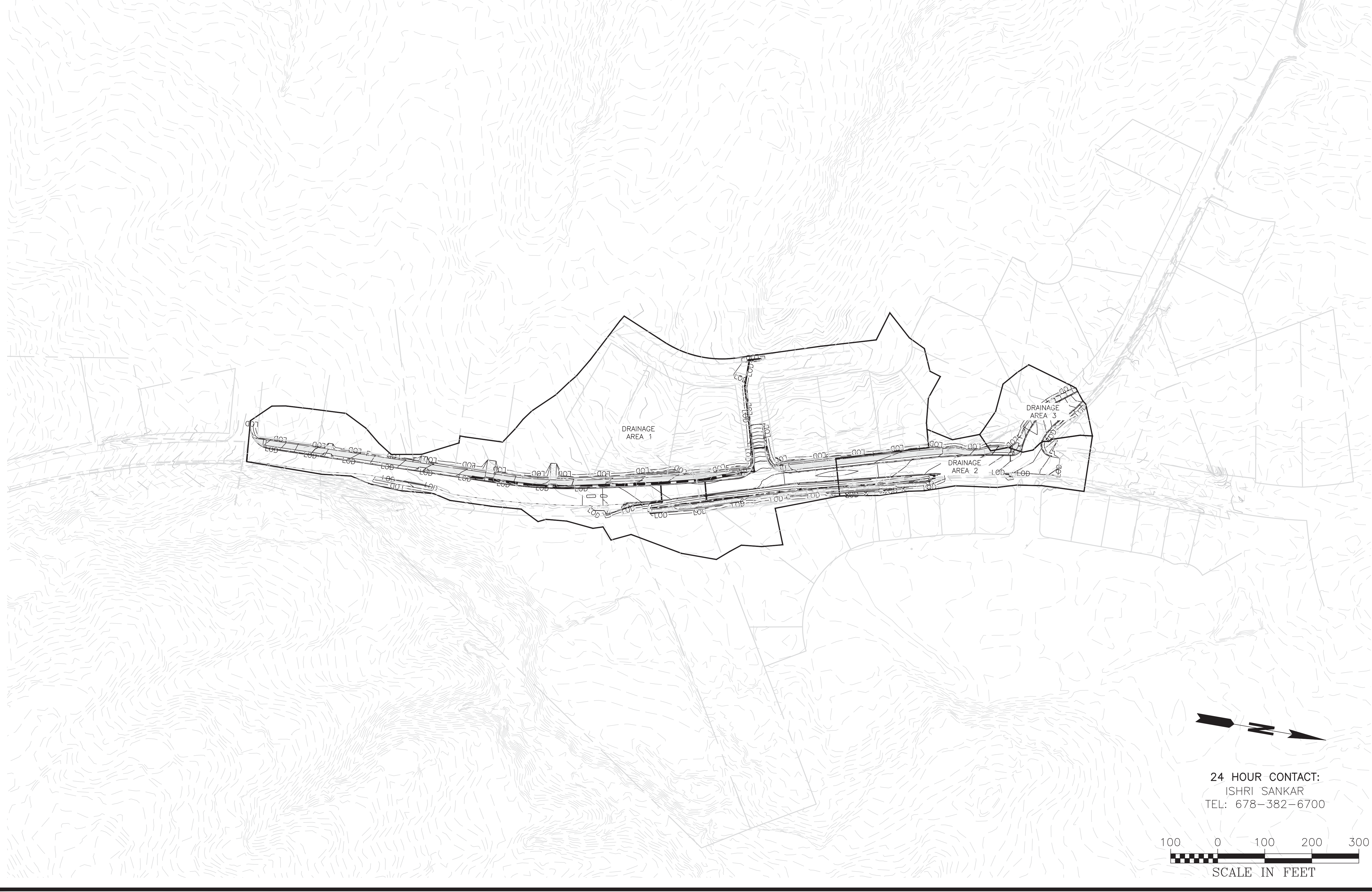
NO.	REVISION REFERENCE	DATE

SHEET TITLE
CONSTRUCTION DETAILS

DRAWN BY: SMM
 CHECKED BY: KAK
 SCALE: NTS
 ISSUE DATE: 09/03/2020

PROJECT NUMBER: 1588.03
 DRAWING NUMBER: **C-800**
 SHEET 34 of 51

AREA #	DRAINAGE AREA AC	DISTURBED AREA AC	SEDIMENT STORAGE REQ'D CY	SEDIMENT STORAGE PROVIDED CY	Q25 CFS	Q100 CFS	V25 FT/S	V100 FT/S	OUTFALL CHARACTERISTICS
1	8.44	1.75	565	596	34.35	41.74	11.02	13.32	24" CMP
2	1.15	0.75	77	181	3.65	4.39	3.28	3.88	18" RCP
3	0.65	0.25	44	114	-	-	-	-	SHEET FLOW
TOTAL	10.24	2.75	686	891	-	-	-	-	-



24 HOUR CONTACT:
 ISHRI SANKAR
 TEL: 678-382-6700

100 0 100 200 300
 SCALE IN FEET

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

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**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**

CHARMANT PLACE TO DUNWOODY CLUB DRIVE

LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

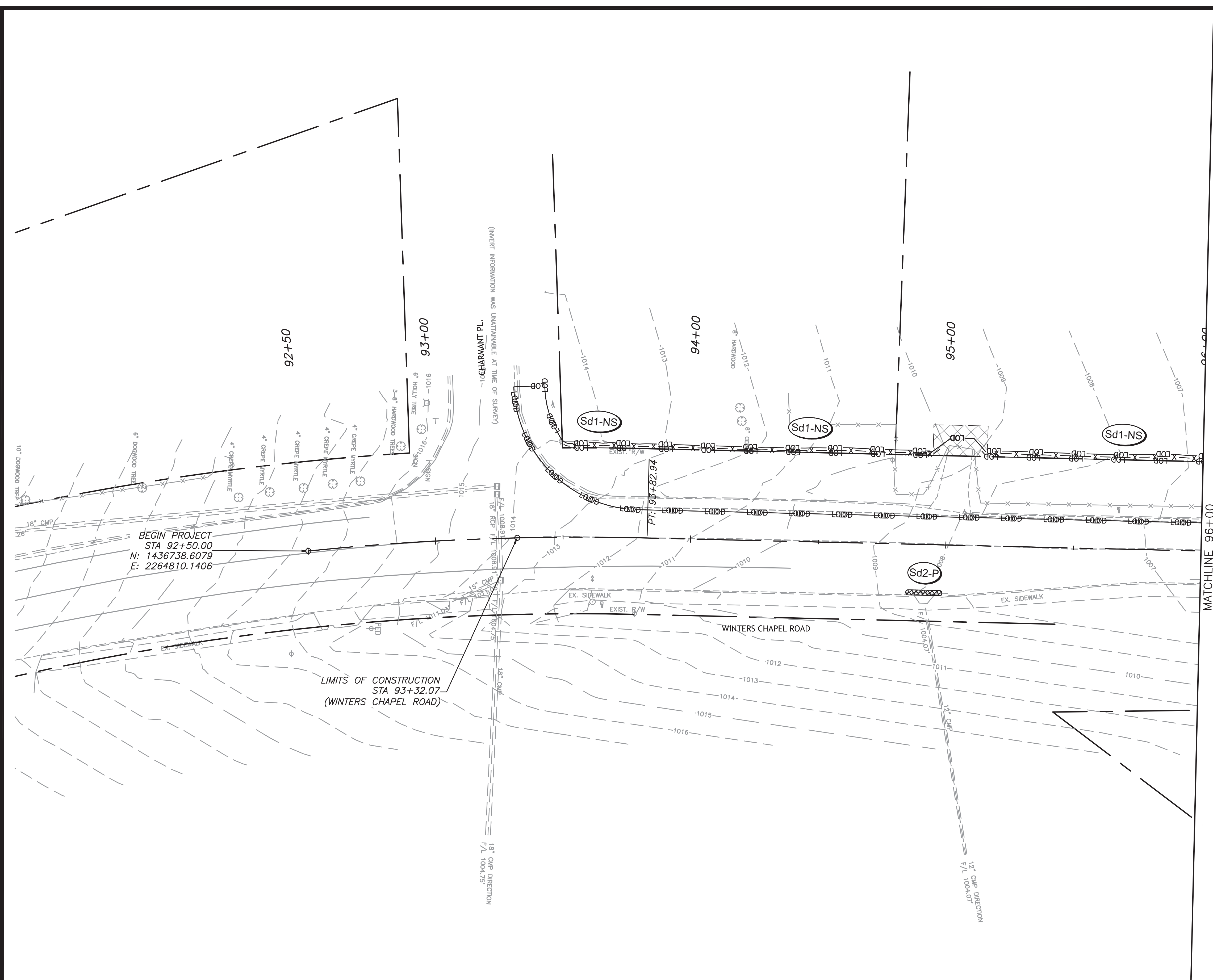
ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE

SHEET TITLE
**ES&PCP DRAINAGE
 AREA MAP**

DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=100'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER ER-002	
SHEET 37 of 51	

Drawing Location: P:\Marietta\1588-003-Winters Chapel Multi-Use Trail\Engineering\Design\1588-03 Drainage Area Map.dwg

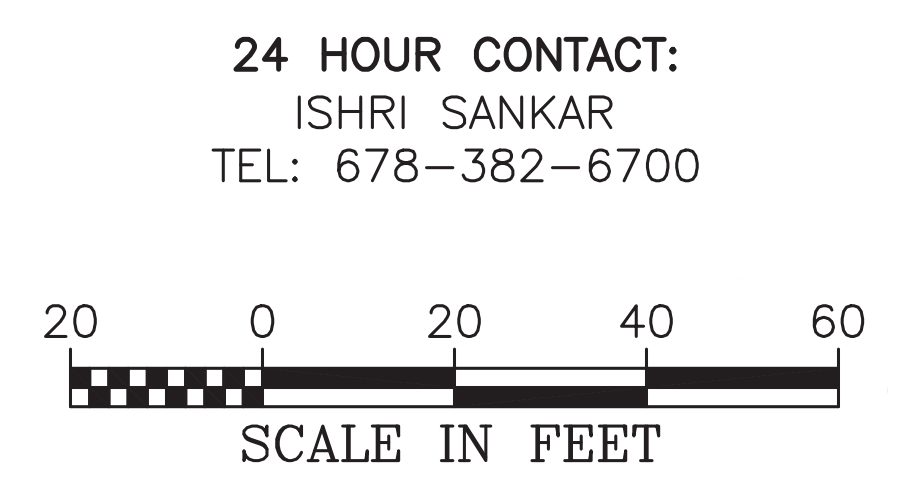


BEGIN PROJECT
 STA 92+50.00
 N: 1436738.6079
 E: 2264810.1406

LIMITS OF CONSTRUCTION
 STA 93+32.07
 (WINTERS CHAPEL ROAD)

MATCHLINE 96+00

STRUCTURAL BMP LEGEND		
	— X — X —	SILT FENCE - TYPE NON-SENSITIVE
		CURB INLET FILTER



NO.	REVISION REFERENCE	DATE

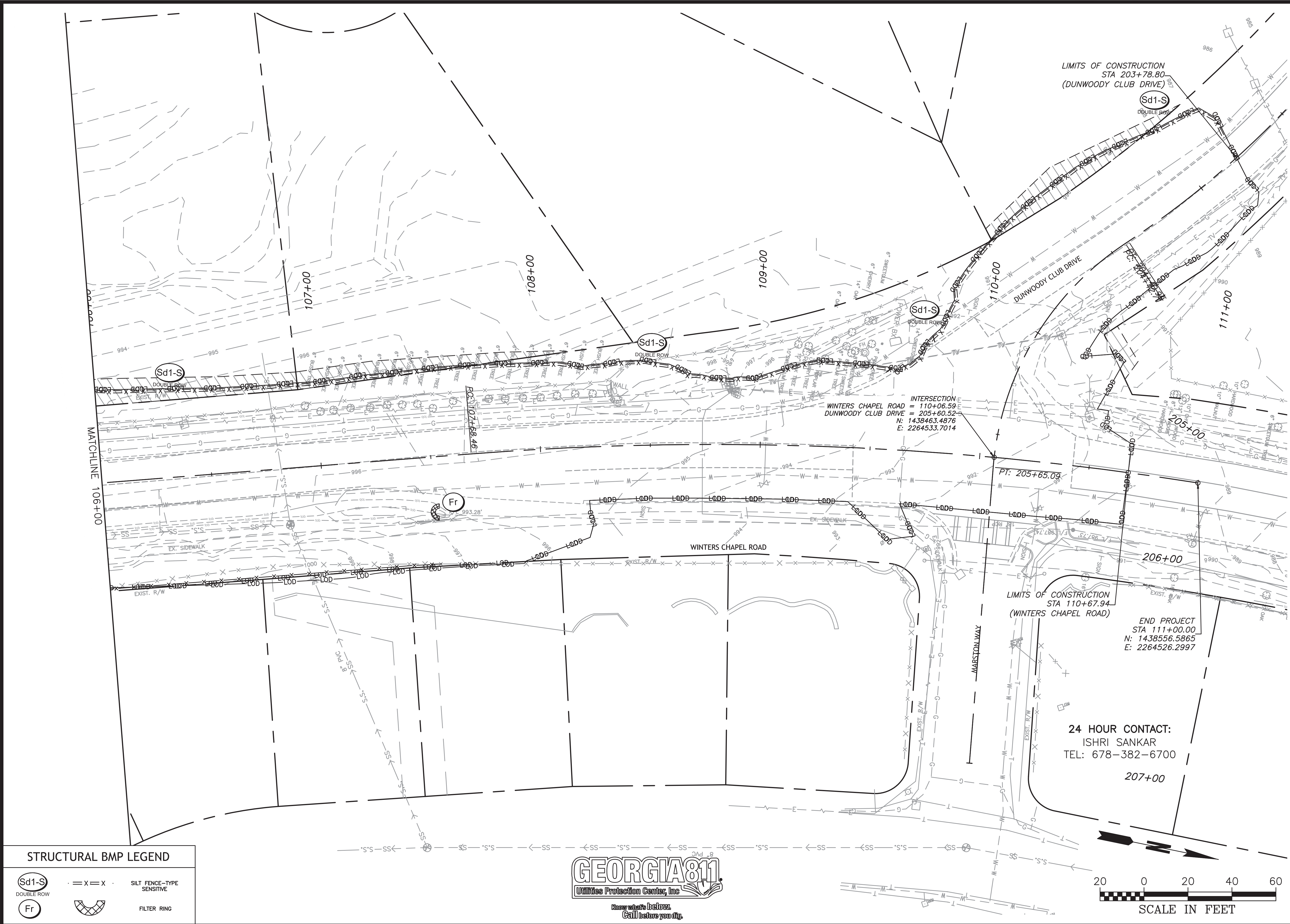
SHEET TITLE ES&PCP INITIAL PHASE	
DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=20'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER ER-100	
SHEET 38 of 51	

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

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**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**

CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA



LIMITS OF CONSTRUCTION
STA 203+78.80
(DUNWOODY CLUB DRIVE)

INTERSECTION:
WINTERS CHAPEL ROAD = 110+06.59
DUNWOODY CLUB DRIVE = 205+60.52
N: 1438463.4876
E: 2264533.7014

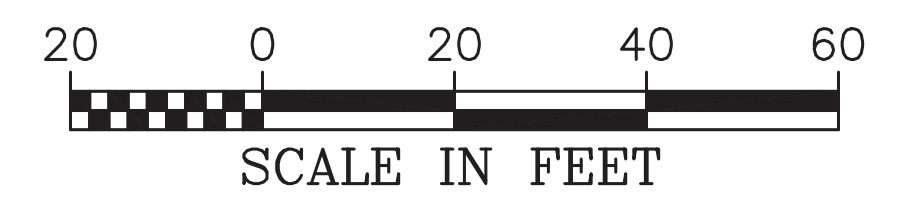
LIMITS OF CONSTRUCTION
STA 110+67.94
(WINTERS CHAPEL ROAD)

END PROJECT
STA 111+00.00
N: 1438556.5865
E: 2264526.2997

24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700

STRUCTURAL BMP LEGEND

- Sd1-S DOUBLE ROW
- SILT FENCE-TYPE SENSITIVE
- Fr FILTER RING



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

**WINTERS CHAPEL ROAD
MULTI-USE TRAIL**

CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION	REFERENCE	DATE

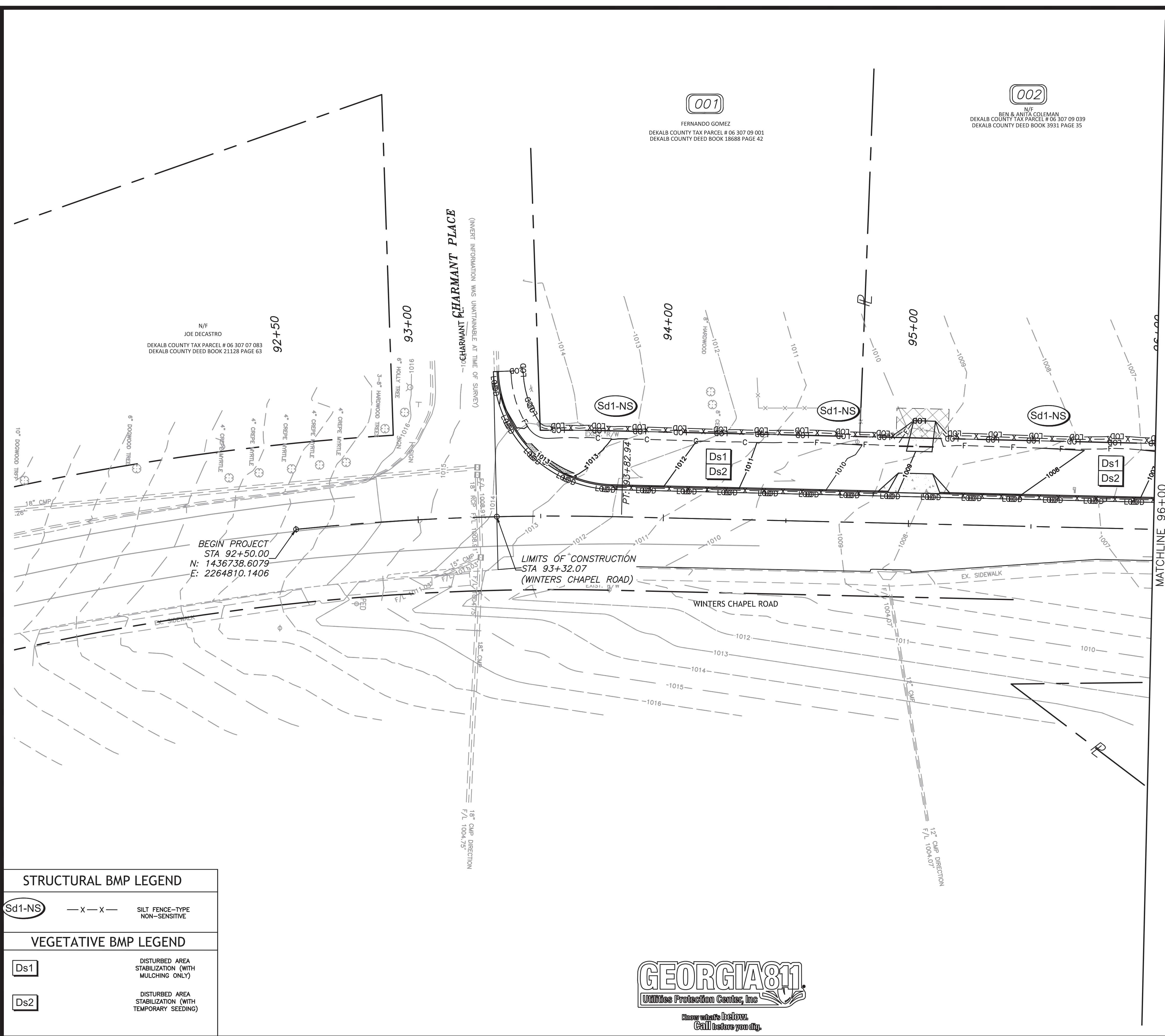
SHEET TITLE
ES&PCP INITIAL PHASE

DRAWN BY: SMM
CHECKED BY: KAK
SCALE: 1"=20'
ISSUE DATE: 09/03/2020

PROJECT NUMBER
1588.03

DRAWING NUMBER
ER-103
SHEET 41 of 51

Drawing Location: P:\Marietta\1588.03\Winters Chapel\Multi-Use Trail\Engineering\Design\1588.03 ES&PCP Initial Phase.dwg
 Plot Scale: 1"=20' Drawing Rotation: 258.3° Plot Style: Transportation.ctb, Plotted By: Scott McCall on 9/3/2020, 2:11 PM



N/F
JOE DECASTRO
DEKALB COUNTY TAX PARCEL # 06 307 07 083
DEKALB COUNTY DEED BOOK 21128 PAGE 63

(001)
FERNANDO GOMEZ
DEKALB COUNTY TAX PARCEL # 06 307 09 001
DEKALB COUNTY DEED BOOK 18688 PAGE 42

(002)
N/F
BEN & ANITA COLEMAN
DEKALB COUNTY TAX PARCEL # 06 307 09 039
DEKALB COUNTY DEED BOOK 3931 PAGE 35

BEGIN PROJECT
STA 92+50.00
N: 1436738.6079
E: 2264810.1406

LIMITS OF CONSTRUCTION
STA 93+32.07
(WINTERS CHAPEL ROAD)

MATCHLINE 96+00

STRUCTURAL BMP LEGEND	
(Sd1-NS)	— x — x — SILT FENCE—TYPE NON-SENSITIVE
VEGETATIVE BMP LEGEND	
(Ds1)	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
(Ds2)	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)



24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700

SCALE IN FEET

NO.	REVISION REFERENCE	DATE

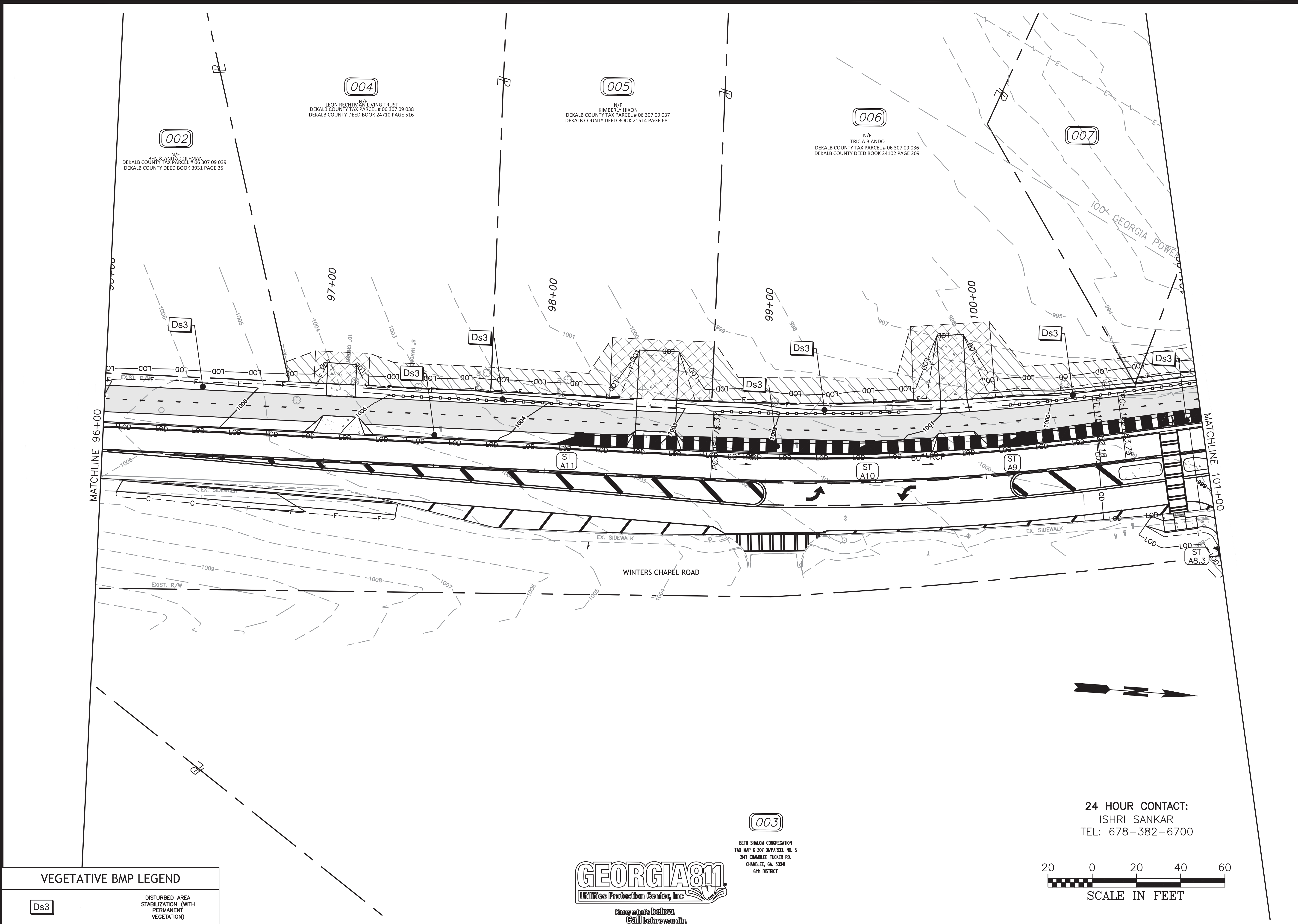
SHEET TITLE
ES&PCP INTERMEDIATE PHASE

DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=20'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER ER-200	
SHEET 42 of 51	

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
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WINTERS CHAPEL ROAD
MULTI-USE TRAIL
CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY, GA

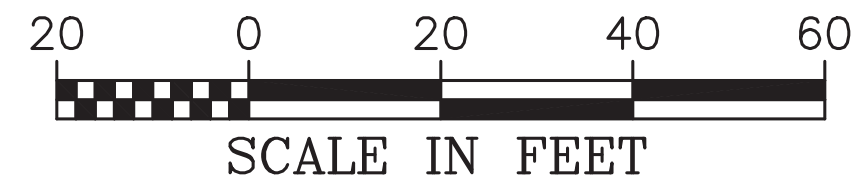


VEGETATIVE BMP LEGEND	
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)



003
 BETH SHALOM CONGREGATION
 TAX MAP 6-307-04/PARCEL NO. 5
 347 CHAMBLEE TUCKER RD.
 CHAMBLEE, GA. 30341
 6th DISTRICT

24 HOUR CONTACT:
 ISHRI SANKAR
 TEL: 678-382-6700



CROY
 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620
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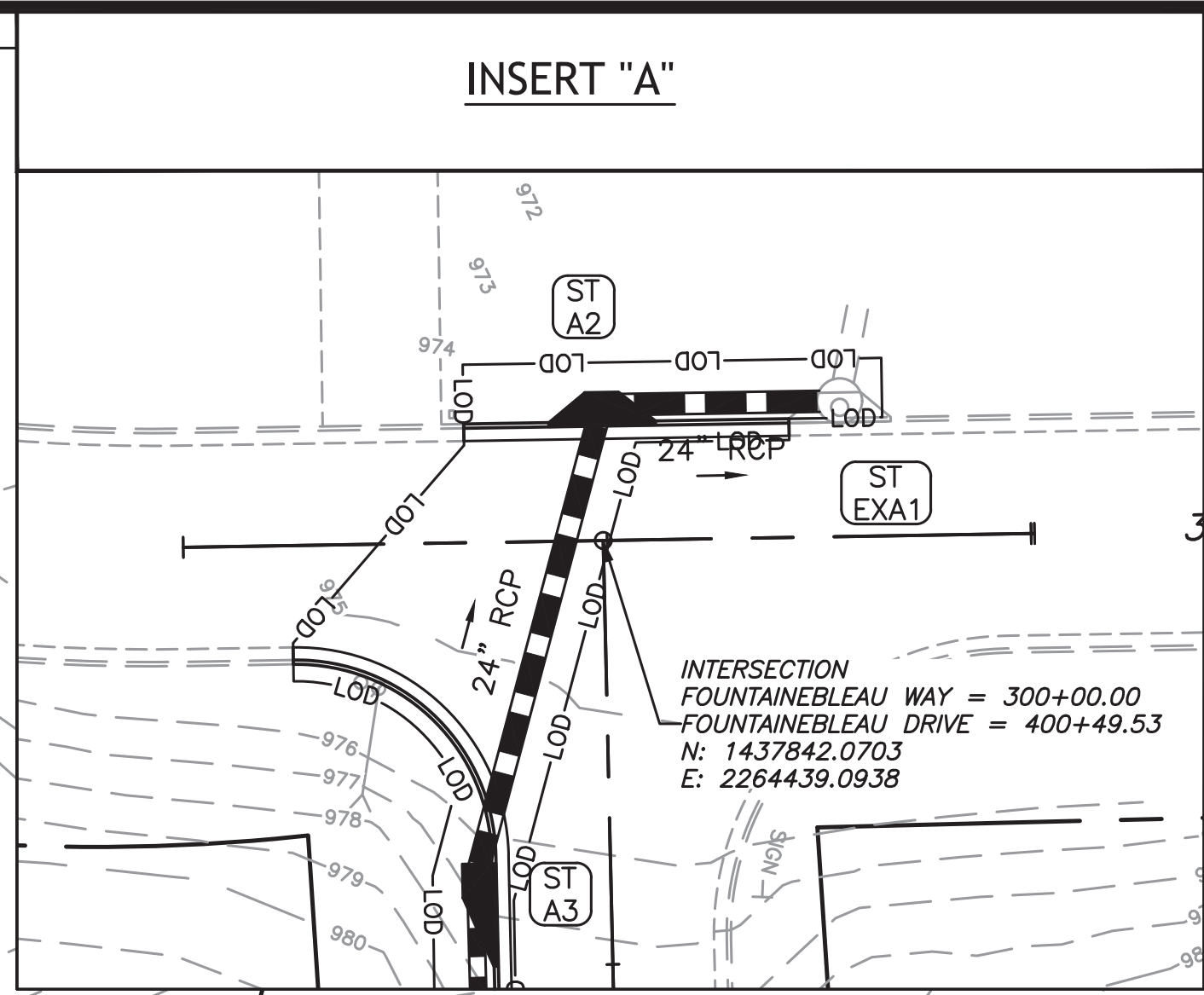
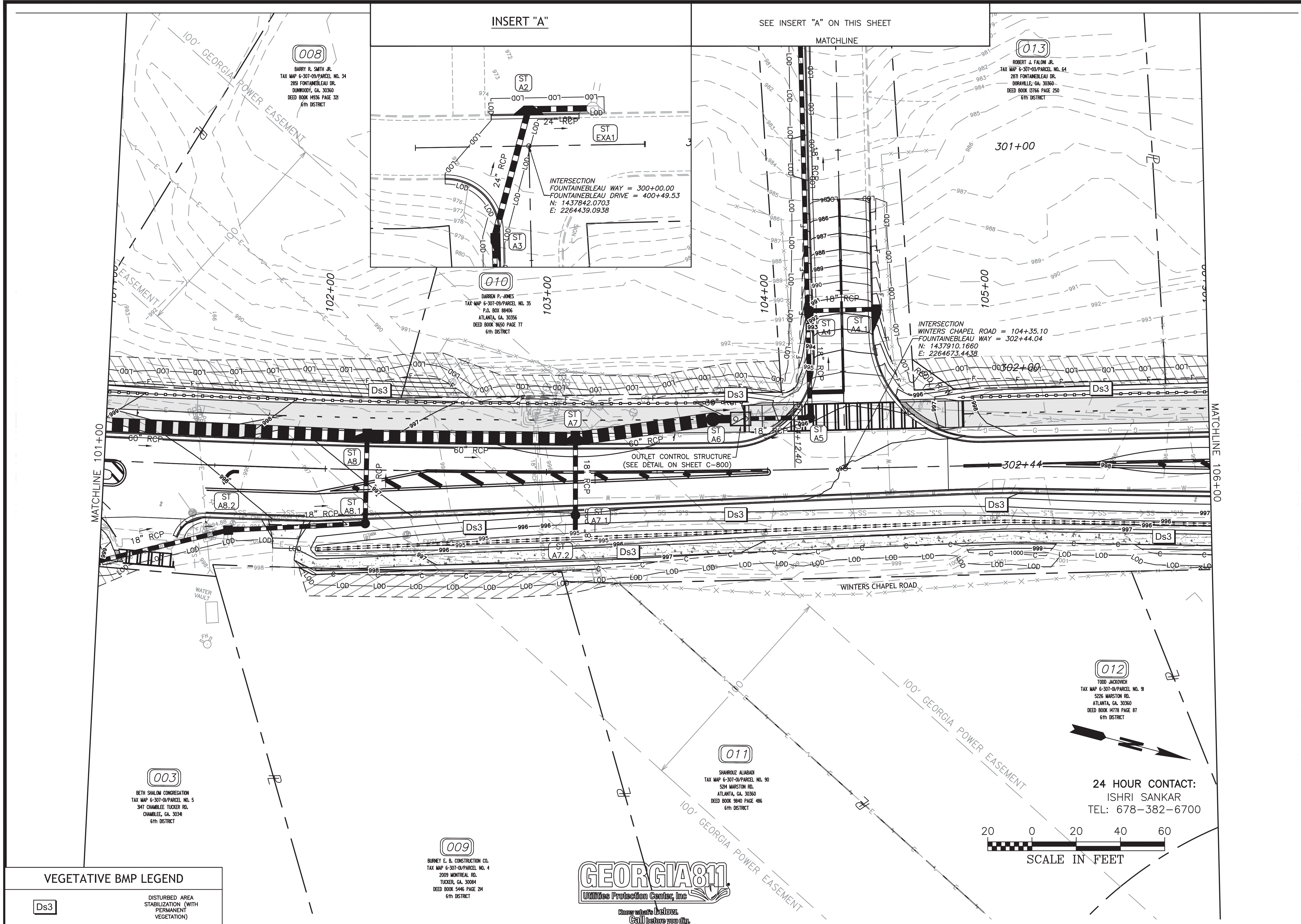
**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**
 CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

NO.	REVISION REFERENCE	DATE

SHEET TITLE
ES&PCP FINAL PHASE

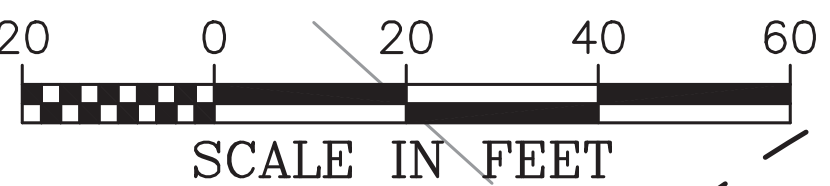
DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=20'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER ER-301	
SHEET 47 of 51	

Drawing Location: P:\Marietta\1588.03\City of Dunwoody\Winters Chapel Multi-Use Trail\Engineering\Design\1588.03 ES&PCP Final Phase.dwg
 Plot Scale: 1"=20' - Drawing Rotation: 265.89° - Plot Style: Transportation.ctb - Plotted By: Scott McCall on 9/3/2020, 2:12 PM



VEGETATIVE BMP LEGEND

Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
-----	--



24 HOUR CONTACT:
 ISHRI SANKAR
 TEL: 678-382-6700

**200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620**

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**WINTERS CHAPEL ROAD
 MULTI-USE TRAIL**

CHARMANT PLACE TO DUNWOODY CLUB DRIVE

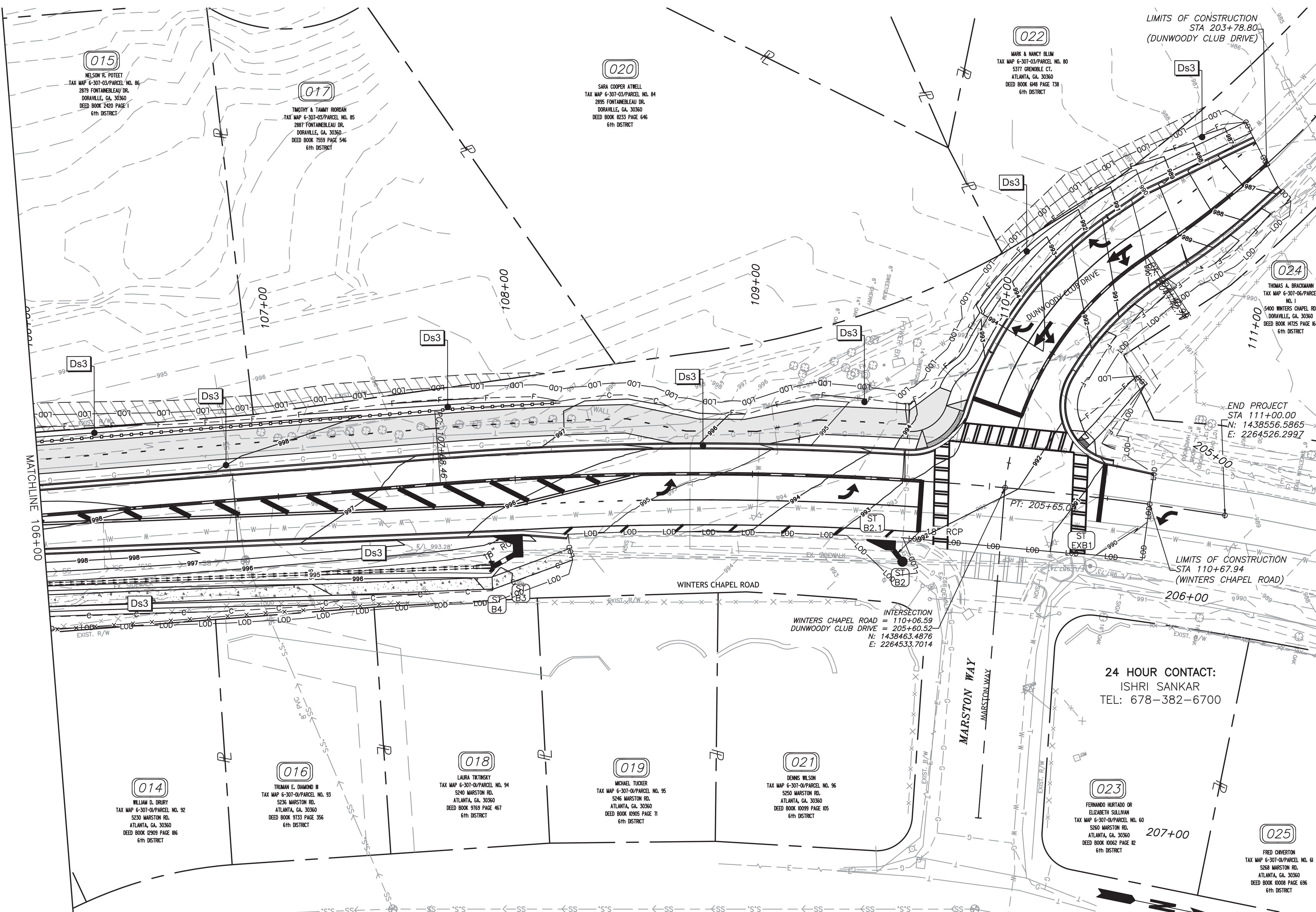
LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY, GA

NO.	REVISION REFERENCE	DATE

SHEET TITLE
ES&PCP FINAL PHASE

DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=20'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER ER-302	
SHEET 48 of 51	

PLOT SCALE: 1"=20' Drawing Location: 255.1' Plot Style: Transportation.ctb, Plotted By: Scott McCall on 09/30/2020, 2:12 PM
 Drawing Location: P:\Marietta\1588.03\City of Dunwoody\Winters Chapel\Multi-Use Trail\Engineering\Design\1588.03 ES&PCP Final Phase.dwg



MATCHLINE 106+00

VEGETATIVE BMP LEGEND

Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
-----	---



24 HOUR CONTACT:
ISHRI SANKAR
TEL: 678-382-6700

023
FERNANDO HURTADO OR
ELIZABETH SULLIVAN
TAX MAP 6-307-04/PARCEL NO. 60
5260 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10062 PAGE 12
6TH DISTRICT

025
FRED CHVERTON
TAX MAP 6-307-04/PARCEL NO. 61
5260 MARSTON RD.
ATLANTA, GA. 30360
DEED BOOK 10068 PAGE 696
6TH DISTRICT



CROY
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

**WINTERS CHAPEL ROAD
MULTI-USE TRAIL**
CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY, GA

NO.	REVISION	REFERENCE	DATE

SHEET TITLE
ES&PCP FINAL PHASE

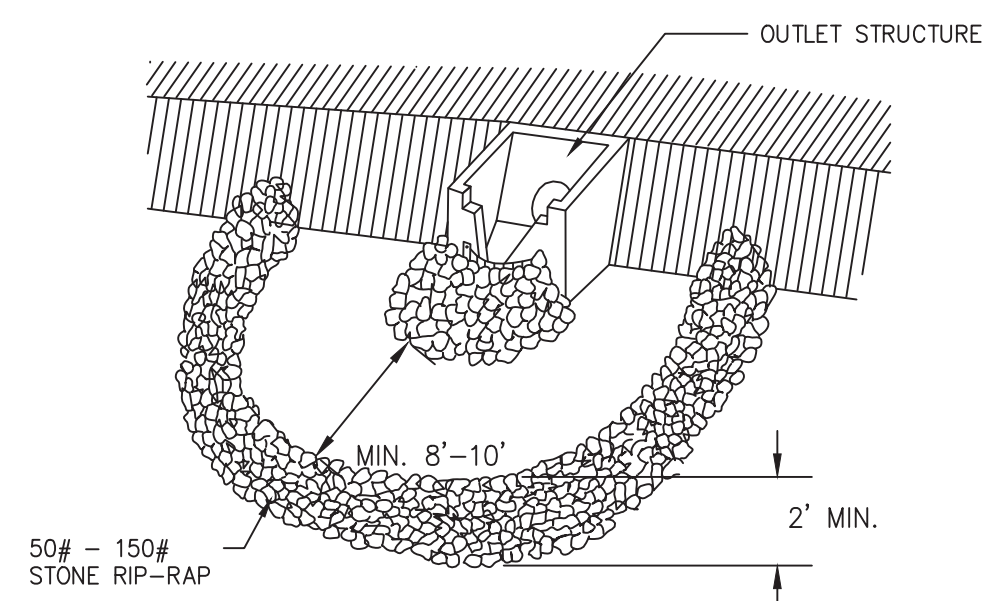
DRAWN BY SMM	CHECKED BY KAK
SCALE 1"=20'	ISSUE DATE 09/03/2020
PROJECT NUMBER 1588.03	
DRAWING NUMBER ER-303	
SHEET 49 of 51	

PLOT Scale: 1"=20' Drawing Location: 258.33' Plot Style: Transportation.ctb, Plotted By: Scott McCall on 9/3/2020, 2:12 PM
 Drawing Location: P:\Marietta\1588.03\Winters Chapel\Multi-Use Trail\Engineering\Design\1588.03 ES&PCP Final Phase.dwg

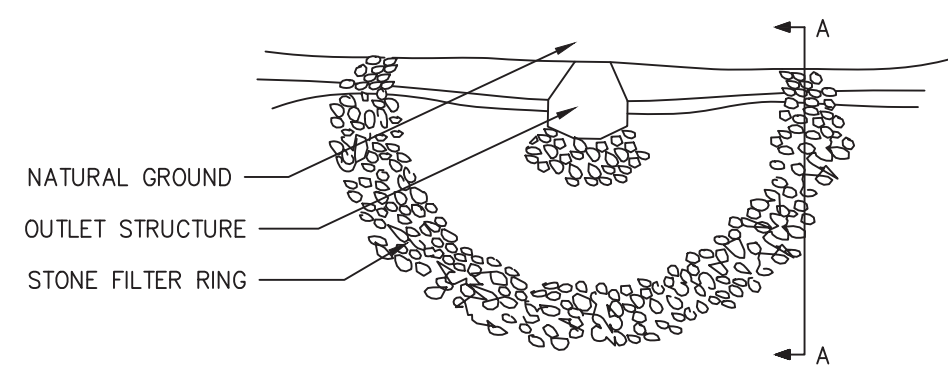
Fr

STONE FILTER RING

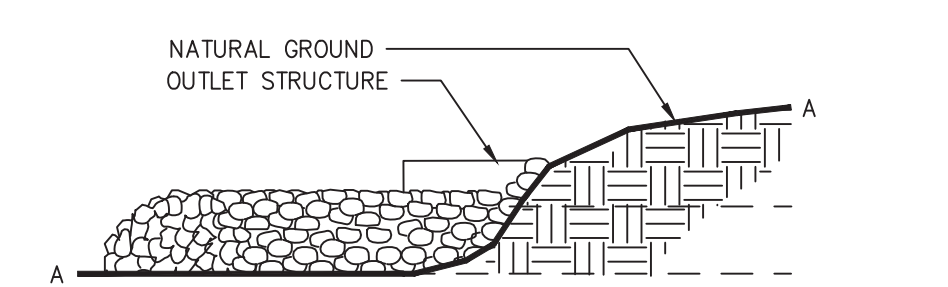
PERSPECTIVE VIEW



PLAN VIEW (NOT TO SCALE)



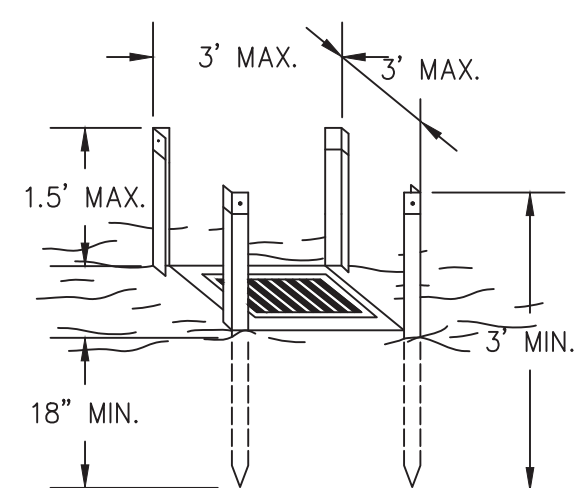
CROSS SECTION (NOT TO SCALE)



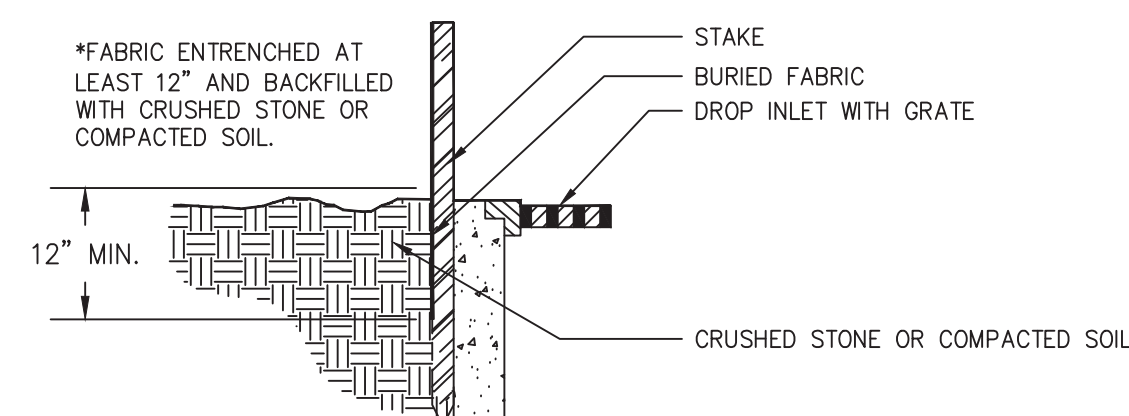
Sd2-F

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

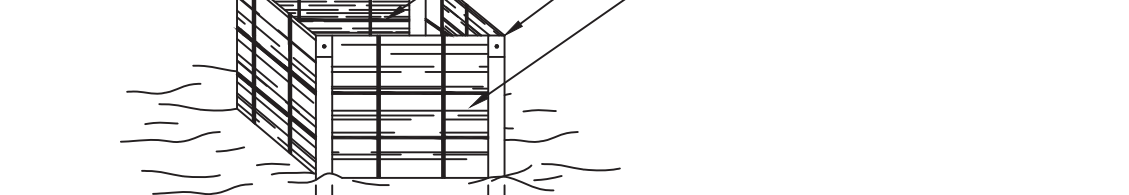
STEEL FRAME AND SILT FENCE INSTALLATION



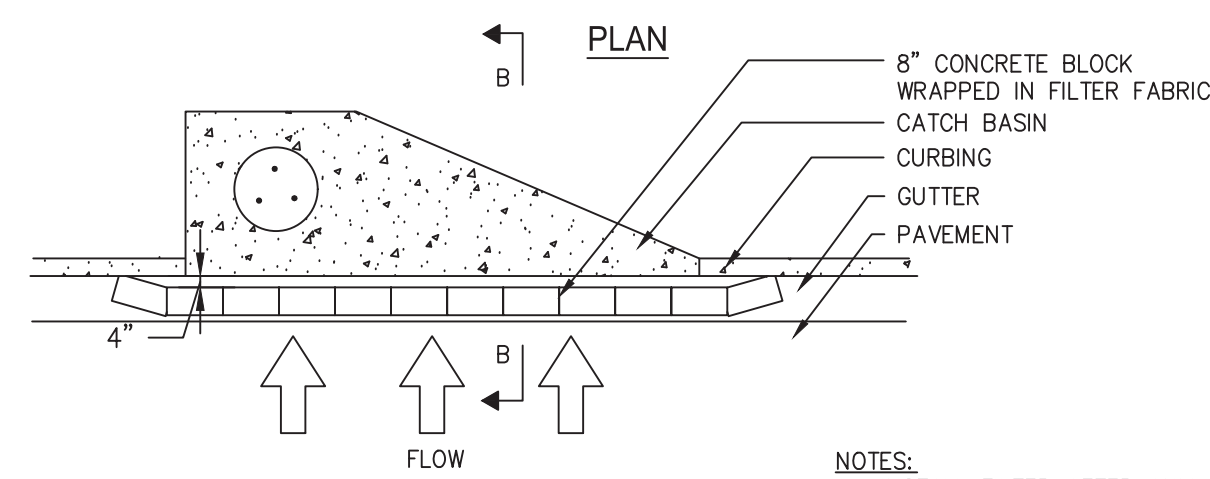
- NOTES:
- DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
 - THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
 - THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
 - THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.



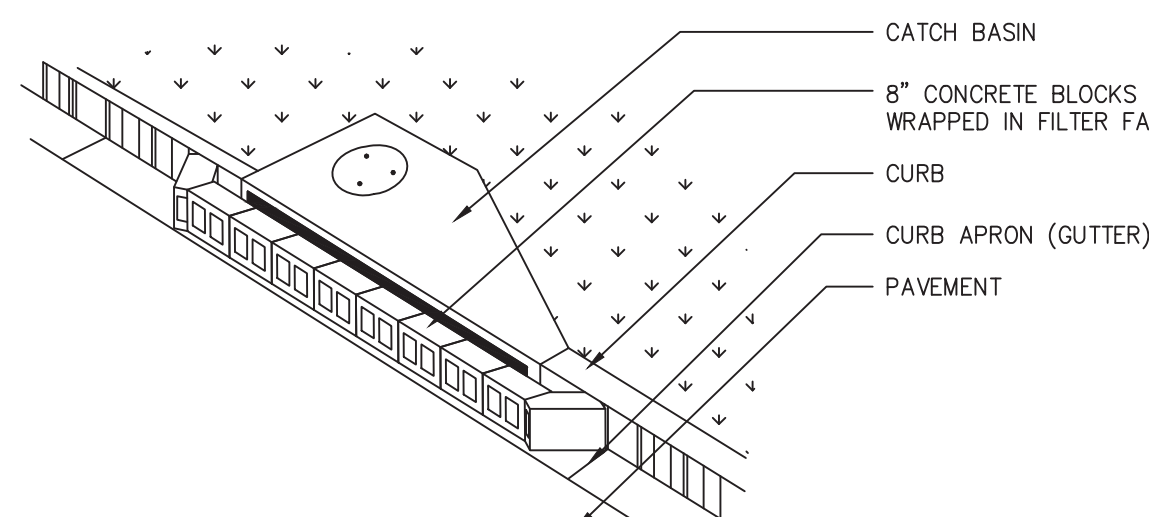
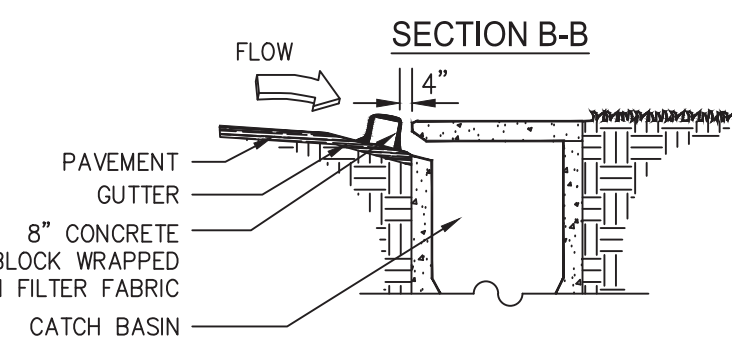
*FABRIC ENTRENCHED AT LEAST 12" AND BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.



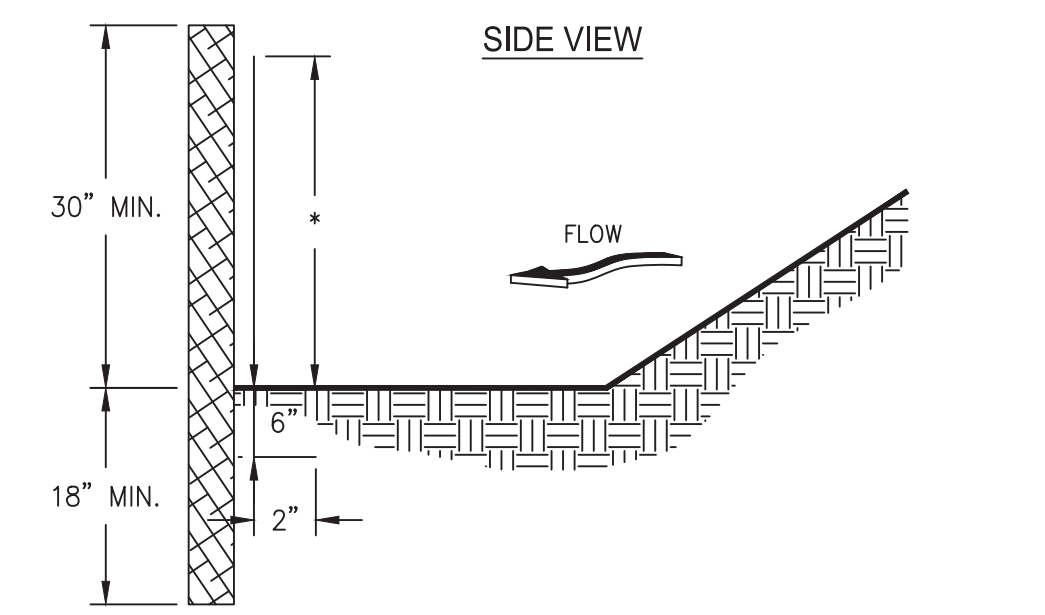
Sd2-P CURB INLET FILTER "PIGS IN BLANKET"



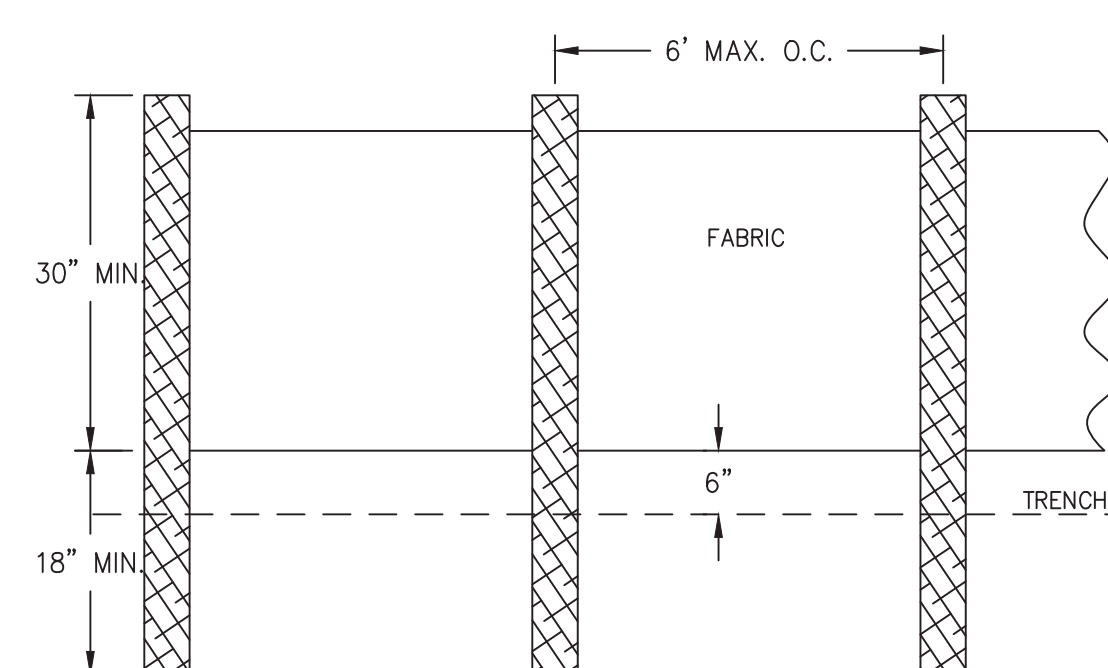
- NOTES:
- INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
 - WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
 - FACE OPENINGS IN BLOCKS OUTWARD.
 - LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
 - INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



Sd1-NS SILT FENCE - TYPE NON-SENSITIVE



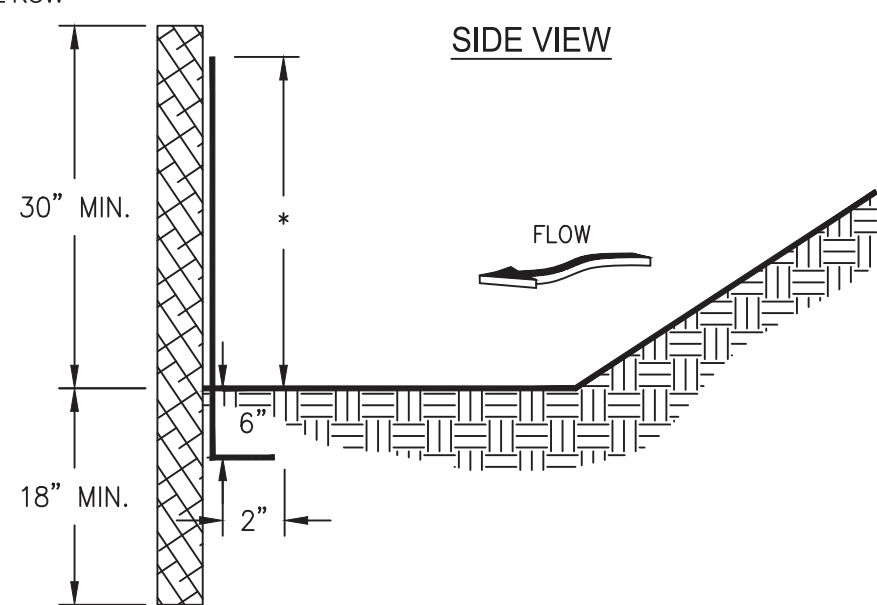
FRONT VIEW



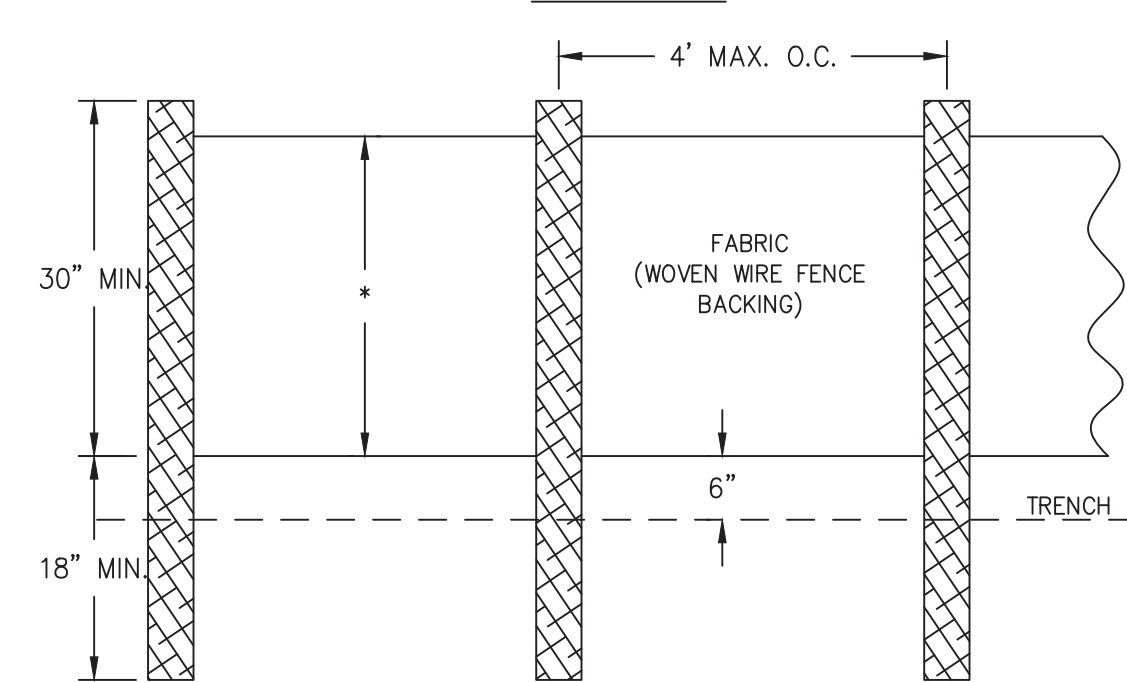
- NOTES:
- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 - HEIGHT (+) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1-S DOUBLE ROW

SILT FENCE - TYPE SENSITIVE

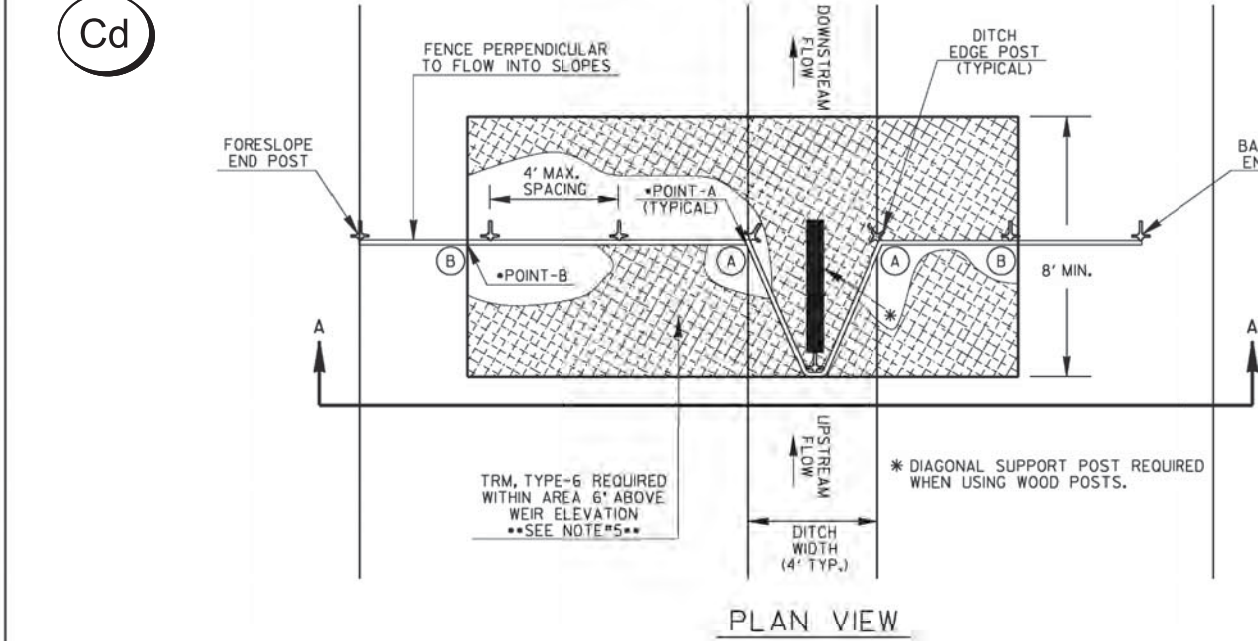


FRONT VIEW

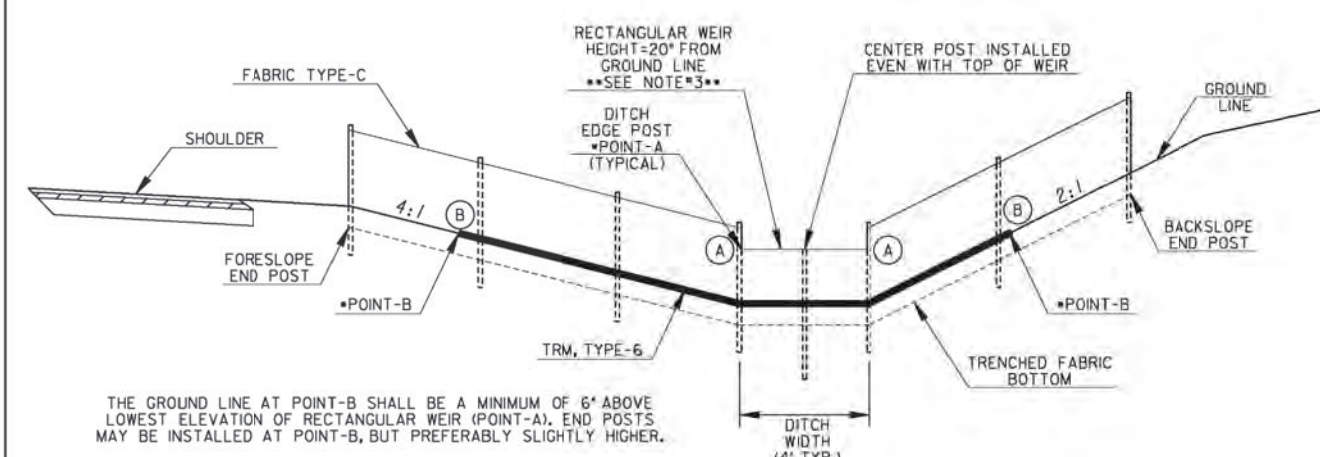


- NOTES:
- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 - HEIGHT (+) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Cd



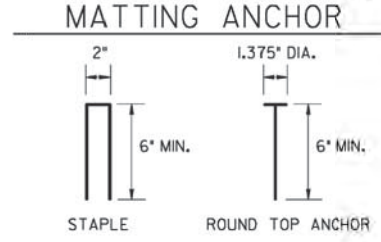
GRADE OF DITCH	MINIMUM SPACING (FEET)
LESS THAN 1%	100'
1% TO 3%	75'
3% TO 6%	50'
6% TO 8%	25'



SECTION A-A

NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4:1 FLAT BOTTOM DITCH. ACTUAL FABRIC CHECK DAMS SHALL BE INSTALLED SIMILARLY ACCORDING TO ROADWAY CROSS-SECTIONS.

TURF REINFORCEMENT MATTING ANCHOR



NOTE: TURF REINFORCEMENT MATTING SHALL BE ANCHORED WITH 8-GAUGE METAL STAPLES OR ROUND TOP ANCHORS. ANCHORS SHALL BE LONG ENOUGH TO PROVIDE SUFFICIENT GROUND PENETRATION TO RESIST PULL OUT.

NOTES:

- FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.
- FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
- FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 6-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.
- THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:
 - DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.
 - CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.
 - LAYOUT TURF REINFORCEMENT MATTING (TRM), TYPE-G TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSTREAM OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL PROTECTION TRM SHALL BE OVERLAPPED 2:1 TO 1:1. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.
 - INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.
 - PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK, COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.
 - INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSTREAM TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED, HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.
- TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

PAY ITEMS:
 165-0526 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
 165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
CONSTRUCTION DETAILS TEMPORARY SILT FENCE FABRIC CHECK DAM	
NO SCALE	REV. AND REDRAWN, JULY 2015
NUMBER D-24D SHEET 4 OF 4	



Know what's below.
Call before you dig.



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

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Plot Style: Transportation.ctb. Printed By: Scot McElroy on 03/20/2015, 2:12 PM
 Plot Scale: 1"=40'

WINTERS CHAPEL ROAD
 MULTI-USE TRAIL
 CHARMANT PLACE TO DUNWOODY CLUB DRIVE
 LAND LOT(S) 311
 OF THE 4th DISTRICT, # SECTION
 CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

ISSUED FOR CONSTRUCTION

NO.	REVISION REFERENCE	DATE
-----	--------------------	------

SHEET TITLE
ES&PCP DETAILS

DRAWN BY SMM	CHECKED BY KAK
SCALE NTS	ISSUE DATE 09/03/2020

PROJECT NUMBER
1588.03

DRAWING NUMBER
ER-400
SHEET 50 of 51

Drawing Location: P:\Marietta\1588-003-Winters Chapel Multi-Use Trail\Engineering\Design\1588-03 Details.dwg

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

N.T.S.

SPECIFICATIONS

Mulching Without Seeding
This standard applied to grades or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

- Grade to permit the use of equipment for applying and anchoring mulch.
- Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
- Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials
Select one of the following materials and apply at the depth indicated:

- Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage.
- Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion costs.
- Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and reused.

Applying Mulch
When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

- Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
- If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic materials.
- Apply polyethylene film on exposed areas.

Anchoring Mulch

- Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "pucker disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

Straw or hay mulch spread with special blower-type equipment may be anchored. Tackifiers, binders and hydraulic mulch with tackifier specifically designed for taking straw can be substituted for emulsified asphalt. Please refer to specification **Tackifiers and Binders**. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.

- Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
- Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

N.T.S.

SPECIFICATIONS

Grading and Shaping
Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others. No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation
When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.
When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Liming and Fertilizer
Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period. Bio stimulants should also be considered when there is less than 3% organic matter in the soil. Graded areas require lime application. Soils must be tested to determine required amounts of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, ripper, or chisel. On slopes too steep for, or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in the first pass with seed and some hydraulic mulch, then topped with the remaining required application rate.

Seeding
Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cutlipacker-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cutlipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand. See table below.

Mulching
Temporary vegetation can, in most cases, be established without the use of mulch provided there is little to no erosion potential. However, the use of mulch can often accelerate and enhance germination and vegetation establishment. Mulch without seeding should be considered for short term protection. Refer to **Ds1 - Disturbed Area Stabilization (With Mulching Only)**.

Irrigation
During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

N.T.S.

Seedbed Preparation
Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used (not in strongly recommended for any seeding process, when possible). When conventional seeding is to be used, seedbed preparation shall be done as follows:

- Tilling, to a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches, eliminate compaction, incorporate lime and fertilizer, smooth and firm the soil, allow for proper placement of seed, strips, or plants, and allow for the anchoring of stems or hay matting if it is to be used.
- Tillage runs be done with any suitable equipment.
- Tilling shall be done on the center where feasible.
- On slopes too steep for the safe operation of tillage equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Individual Plants

- Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or double planting.
- For nursery stock plants, holes shall be large enough to accommodate roots without covering.
- Where pine seedlings are to be planted, control under the row 50 inches deep on the contour from 1 to six months prior to planting. Substituting should be done when the soil is dry, preferably in August or September.

Inoculation
All inoculated seed shall be inoculated with appropriate nitrogen-fixing bacteria. The inoculant shall be a pure culture prepared specifically for the soil species and used within the dates on the container.

A mixing medium recommended by the manufacturer shall be used to bond the inoculant to the seed for conventional seeding, see twice the amount of inoculant recommended by the manufacturer. For hydraulic seeding, four times the amount of inoculant recommended by the manufacturer shall be used.

All inoculated seed shall be protected from the sun and high temperatures and shall be planted the same day inoculated. Inoculated seed shall remain in the hydrosoil longer than one hour.

Planting

Hydraulic Seeding
Mix the seed (inoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the area to be treated. Apply within one hour after the mixture is made.

Conventional Seeding
Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a cultipacker-seeder, drill, rotary seeder, or other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/4 to 1/2 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other mechanical equipment.

No till seeding is permissible into annual cover crops when the planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (perennial) species. No till seeding shall be done with appropriate no-till seeding equipment. Seed shall be uniformly distributed and planted at the proper depth.

Individual Plants
Shrubs, vines and strips may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the support frames. Each plant shall be set in a manner that will avoid covering the roots.

Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The types of vines and other individual plants are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.

Mulching
Mulch is required for all permanent vegetation applications. mulch applied to seeded areas shall achieve 75% to 100% soil cover. When selecting a mulch, design professionals should consider the mulch functional longevity, vegetation establishment enhancement, and erosion control effectiveness. Select the mulching material from the following and apply as indicated:

- Dry straw or hay of good quality and free of weed seeds or any dry straw shall be applied at the rate of 2 tons per acre. Dry hay shall be applied at a rate of 2 1/2 tons per acre.
- Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Dry straw or hay shall be applied at the rate indicated above after hydraulic seeding.
- One thousand pounds of wood cellulose or wood pulp fiber, which includes a tackifier, shall be used with hydraulic seeding on slopes 1:1 or steeper.
- Service Lycopodium has containing mature seed shall be applied at a rate of three tons per acre.
- Straw or hay bales shall be applied at a thickness of 1 inch for bedding purposes, other suitable materials in sufficient quantity may be used where ornamentals or other ground covers are planted. This is NOT appropriate for seed areas.
- When using temporary erosion control barriers or check soil, mulch is not required.
- Bioluminescent seeding may be applied in shaded areas, slopes, or in difficult to dry water ways to prevent erosion. Bioluminescent seeding shall be applied within 24 hours after an area has been planted. Application rates and materials must meet Georgia Department of Transportation specifications.

Wood cellulose and wood pulp fibers that contain germination or growth inhibiting factors, shall be evenly dispersed when applied in water. The fibers shall contain a dye to allow visual tracking and aid in uniform application during seeding.

Applying Mulch
Dry straw or hay mulch will be spread uniformly within 24 hours after seeding and/or planting the mulch may be spread by blow-type spreading equipment, other spreading equipment or by hand. Mulch shall be applied to cover 75% of the soil surface.

Wood cellulose or wood pulp fiber mulch shall be applied uniformly with hydraulic seeding equipment.

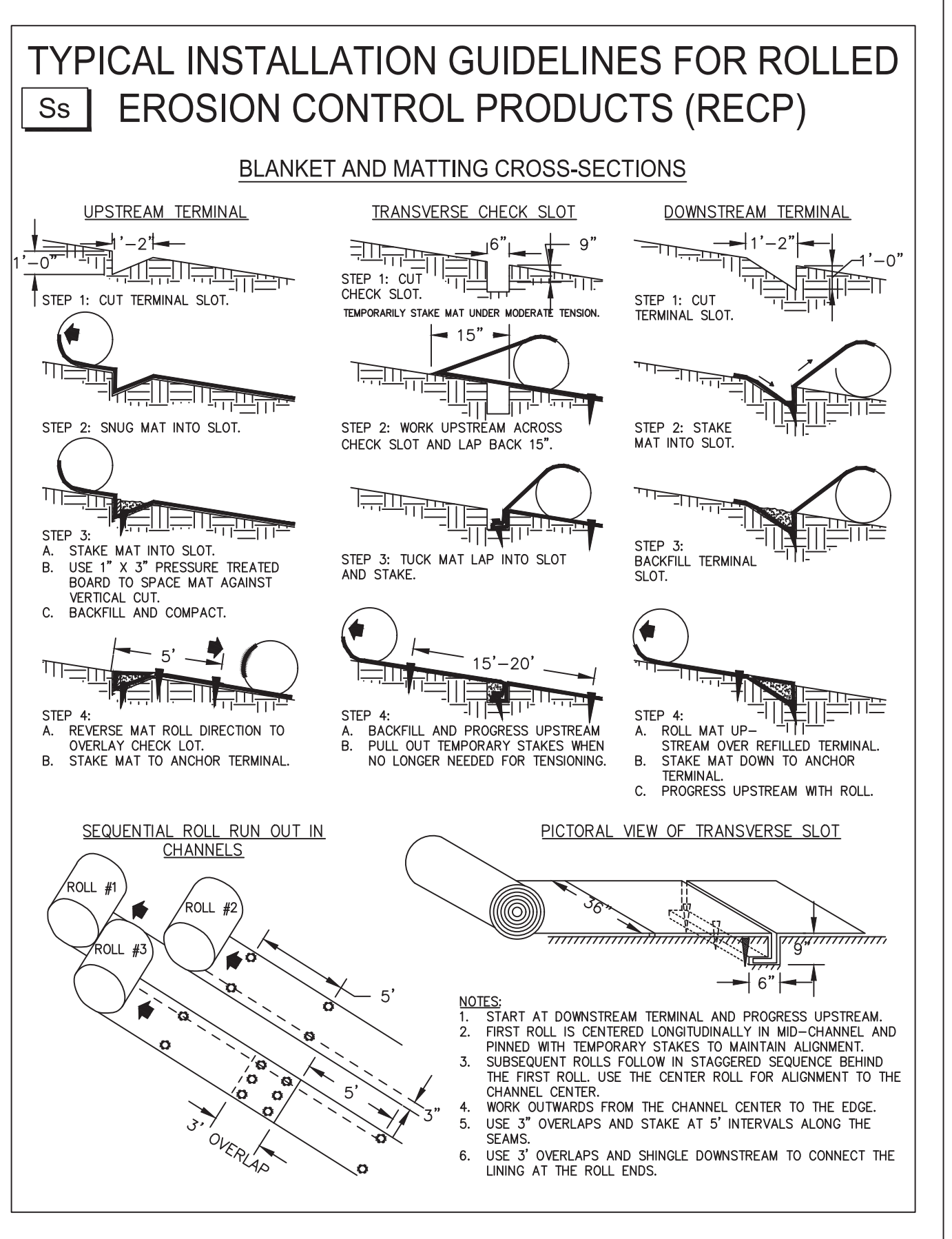
Anchoring Mulch
Anchoring straw or hay mulch immediately after application by one of the following methods:

- Hay and straw mulch shall be pressed into the soil immediately after the mulch is spread. A special "pucker disk" or disk harrow with the disks set straight may be used. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart.
- Use 1" x 3" pressure treated board to space mat against vertical cut.
- Backfill and compact.

The edges of the disks shall be dull enough to press the mulch into the ground without cutting it. Space mulch 18 inches apart.
- Use 1" x 3" pressure treated board to space mat against vertical cut.
- Backfill and compact.

Use 1" x 3" pressure treated board to space mat against vertical cut.
- Backfill and compact.

SPECIES	BROADCAST RATES		PLANTING DATES FOR SOUTHERN PIEDMONT REGION												REMARKS	
	PER ACRE	PER 1000 SQ. FT.	J	F	M	A	M	J	J	A	S	O	N	D		
BAHIA, PENNSACOLA (Paspalum notatum)	40 lbs.	1.4 lb.														160,000 seed per pound. Low growing. Seed germinates slowly in cool soils. Plant with a companion crop. Will spread into bermuda grasses and lawns. Mix with Service Lycopodium or weeping lovegrass.
BAHIA, WILMINGTON (Paspalum notatum)	40 lbs.	1.4 lb.														160,000 seed per pound. Quick cover. Low growing and seed forming. Full sun. Good for athletic fields.
BERMUDA, COMMON (Cynodon dactylon)	10 lbs.	0.2 lb.														Plant with winter annuals.
BERMUDA, COMMON (Cynodon dactylon)	10 lbs.	0.2 lb.														Plant with tall fescue.
BERMUDA SPERG (Cynodon dactylon)	40 cu. ft.	0.9 cu. ft.														A cubic foot contains approximately 450 strips. A basket contains 12 cubic feet or approximately 500 strips.
CENTPEE (Eriochloa sp.)	Block seed only															Plant with tall fescue.
CROWNTECH (Cynodon varia)	15 lbs.	0.3 lb.														Plant with tall fescue.
FESCUE, TALL (Festuca arvensis)	50 lbs.	1.1 lb.														Plant with tall fescue.
FESCUE, TALL (Festuca arvensis)	30 lbs.	0.7 lb.														Plant with tall fescue.
LESPEDEZA, SERICIA (Lespedeza cuneata)	40 lbs.	1.4 lb.														250,000 seed per pound. Low growing. Seed germinates slowly in cool soils. Plant with a companion crop. Will spread into bermuda grasses and lawns. Mix with Service Lycopodium or weeping lovegrass.
LESPEDEZA, UNSCARIFIED (Lespedeza cuneata)	75 lbs.	1.7 lbs.														250,000 seed per pound. Low growing. Seed germinates slowly in cool soils. Plant with a companion crop. Will spread into bermuda grasses and lawns. Mix with Service Lycopodium or weeping lovegrass.
LESPEDEZA, UNSCARIFIED (Lespedeza cuneata)	3 tons	138 lbs.														250,000 seed per pound. Low growing. Seed germinates slowly in cool soils. Plant with a companion crop. Will spread into bermuda grasses and lawns. Mix with Service Lycopodium or weeping lovegrass.
LESPEDEZA (Lespedeza virginica)	40 lbs.	1.4 lb.														250,000 seed per pound. Low growing. Seed germinates slowly in cool soils. Plant with a companion crop. Will spread into bermuda grasses and lawns. Mix with Service Lycopodium or weeping lovegrass.
LESPEDEZA (Lespedeza virginica)	40 lbs.	1.4 lb.														250,000 seed per pound. Low growing. Seed germinates slowly in cool soils. Plant with a companion crop. Will spread into bermuda grasses and lawns. Mix with Service Lycopodium or weeping lovegrass.
LESPEDEZA, SERIBU (Lespedeza thurberi)	40 lbs.	1.4 lb.														250,000 seed per pound. Low growing. Seed germinates slowly in cool soils. Plant with a companion crop. Will spread into bermuda grasses and lawns. Mix with Service Lycopodium or weeping lovegrass.
LESPEDEZA, SERIBU (Lespedeza thurberi)	40 lbs.	1.4 lb.														250,000 seed per pound. Low growing. Seed germinates slowly in cool soils. Plant with a companion crop. Will spread into bermuda grasses and lawns. Mix with Service Lycopodium or weeping lovegrass.
LOVEGRASS, WEEPING (Eragrostis curvata)	4 lbs.	0.1 lb.														1,500,000 seed per pound. Quick cover. Low growing and seed forming. Full sun. Good for athletic fields.
LOVEGRASS, WEEPING (Eragrostis curvata)	2 lbs.	0.05 lb.														1,500,000 seed per pound. Quick cover. Low growing and seed forming. Full sun. Good for athletic fields.
PANICGRASS, ATLANTIC COASTAL (Panicum annuum var. amarulum)	20 lbs.	0.5 lb.														1,500,000 seed per pound. Quick cover. Low growing and seed forming. Full sun. Good for athletic fields.
RED CANARY GRASS (Phalaris arundinacea)	50 lbs.	1.1 lb.														Grows similar to tall fescue.
RED CANARY GRASS (Phalaris arundinacea)	30 lbs.	0.7 lb.														Grows similar to tall fescue.
SUNFLOWER, MAXILL (Helianthus maximiliani)	10 lbs.	0.2 lb.														27,000 seed per pound. Plant with tall fescue.



PLANT, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	BROADCAST RATES		PLANTING DATES FOR SOUTHERN PIEDMONT REGION												REMARKS	
	PER ACRE	PER 1000 SQ. FT.	J	F	M	A	M	J	J	A	S	O	N	D		
BARLEY (Hordeum vulgare)	144 lbs.	3.3 lbs.														14,000 seed per pound. Winterhardy. Use on productive soils.
LESPEDEZA, ANNUAL (Lespedeza striata)	40 lbs.	0.9 lb.														200,000 seed per pound. May volunteer for several years. Use inoculant EL.
LOVEGRASS, WEEPING (Hordeum vulgare)	4 lbs.	0.1 lb.														1,500,000 seed per pound. May last for several years. Mix with Service Lespedeza.
MILLET, BROWNOTOP (Panicum fasciculatum)	40 lbs.	0.9 lb.														17,000 seed per pound. Quick dense cover. Will provide too much competition in mixture if seeded at high rates.
MILLET, PEARL (Pennisetum glaucum)	50 lbs.	1.1 lb.														88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS (Avena sativa)	128 lbs.	2.9 lbs.														13,000 seed per pound. Use on productive soils. Not as winterhardy as rye or barley.
RYE (Secale cereale)	168 lbs.	3.9 lbs.														18,000 seed per pound. Quick cover. Drought tolerant and winterhardy.
RYEGRASS, ANNUAL (Lolium temulentum)	40 lbs.	0.9 lb.														227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
SUDAGRASS (Sorghum sudanense)	60 lbs.	1.4 lb.														55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.
WHEAT (Triticum Aestivum)	180 lbs.	4.1 lbs.														15,000 seed per pound.

DURABLE SHRUBS AND GROUND COVERS FOR PERMANENT COVER

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Abelia	Abelia grandiflora	3-4 ft.	5 ft.	Also a prostrate form 2 feet high. Sun, semi-shade. Semi-evergreen.
Carolina Yellow Jessamine	Gelsemium sempervirens	low	3 ft.	Vine. Yellow, trumpet-like flowers. Hardy, one of the vines. Evergreen. Native to Georgia.
Carpet Blue	Ajuga reptans	2-4 in.	3 ft.	Needs good drainage, partial shade. Blue or white flowers. Evergreen.
Berberis	Cotoneaster dammeri	2-4 in.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Concealer	Cotoneaster salicifolius	1-2 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Concealer	Cotoneaster horizontalis	1-2 ft.	5 ft.	Semi-evergreen. Sun.
Concealer	Cotoneaster dammeri	2-4 in.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Virginia Creeper	Parthenocissus quinquefolia	low	3 ft.	Red in fall. Vine. Deciduous. Native to Georgia.
Dailyly	Hemerocallis spp.	2-3 ft.	2 ft.	Many flower colors. Full sun. Very Hardy.
English Ivy	Hedera helix	low	3 ft.	Shade only. Climbs.
Compacta Holly	Ilex crenata 'Compacta'	3-4 ft.	5 ft.	Sun, semi-shade.
Chinese Holly	Ilex cornuta 'Rotunda'	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.
Dwarf Barford Holly	Ilex barfordii 'Nana'	5-8 ft.	8 ft.	
Dwarf Yaupon Holly	Ilex vomitoria 'Nana'	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.
Bermudagrass, Bahia grass and Tall Fescue may be mowed as desired. Maintain at least 6 inches of stem growth under any use and management. Make sure use of top growth is beneficial after establishment.				
Exclude traffic until the plants are well established. Because of the quiet seeding season, mowing should not take place between May and September.				

FERTILIZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	NITROGEN TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac.
	Second	6-12-12	1000 lbs./ac.	---
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac.
	Second	10-10-10	1000 lbs./ac.	---
	Maintenance	10-10-10	400 lbs./ac.	---
3. Ground covers	First	10-10-10	1300 lbs./ac.	---
	Second	10-10-10	1300 lbs./ac.	---
	Maintenance	10-10-10	1100 lbs./ac.	---
4. Pine seedlings	First	20-10-5	one 2 1/2 gram pellet per seedling placed in the closing hole	---
	Maintenance	10-10-10	700 lbs./ac.	---
5. Shrub Lespedeza	First	0-10-10	700 lbs./ac.	---
	Maintenance	10-10-10	700 lbs./ac.	---
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac.
	Maintenance	10-10-10	500 lbs./ac.	---
7. Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac.
	Second	6-12-12	800 lbs./ac.	50-100 lbs./ac.
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	---
	Second	6-12-12	800 lbs./ac.	---
	Maintenance	10-10-10	400 lbs./ac.	---

CROY

WINTERS CHAPEL ROAD
MULTI-USE TRAIL
CHARMANT PLACE TO DUNWOODY CLUB DRIVE
LAND LOT(S) 311
OF THE 4th DISTRICT, # SECTION
CITY OF DUNWOODY, DEKALB COUNTY COUNTY, GA

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620
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