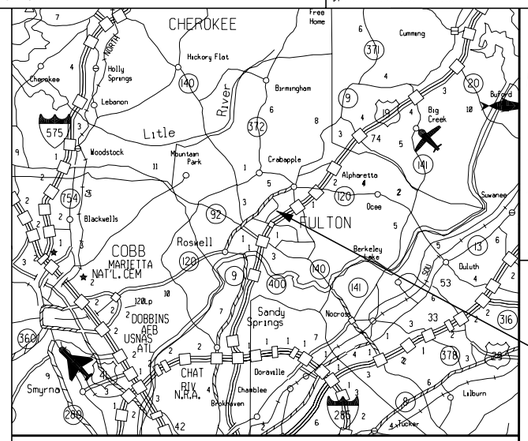
CITY OF ALPHARETTA, GEORGIA
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE OF PROPOSED
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
MANSELL RD TO WESTSIDE PKWY



LOCATION SKETCH

FUNCTIONAL CLASS:
LOCAL URBAN ROAD

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

PROJECT DESIGNATION:
DESIGNED IN ENGLISH UNITS.

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

DESIGN SPEED:
25 MPH

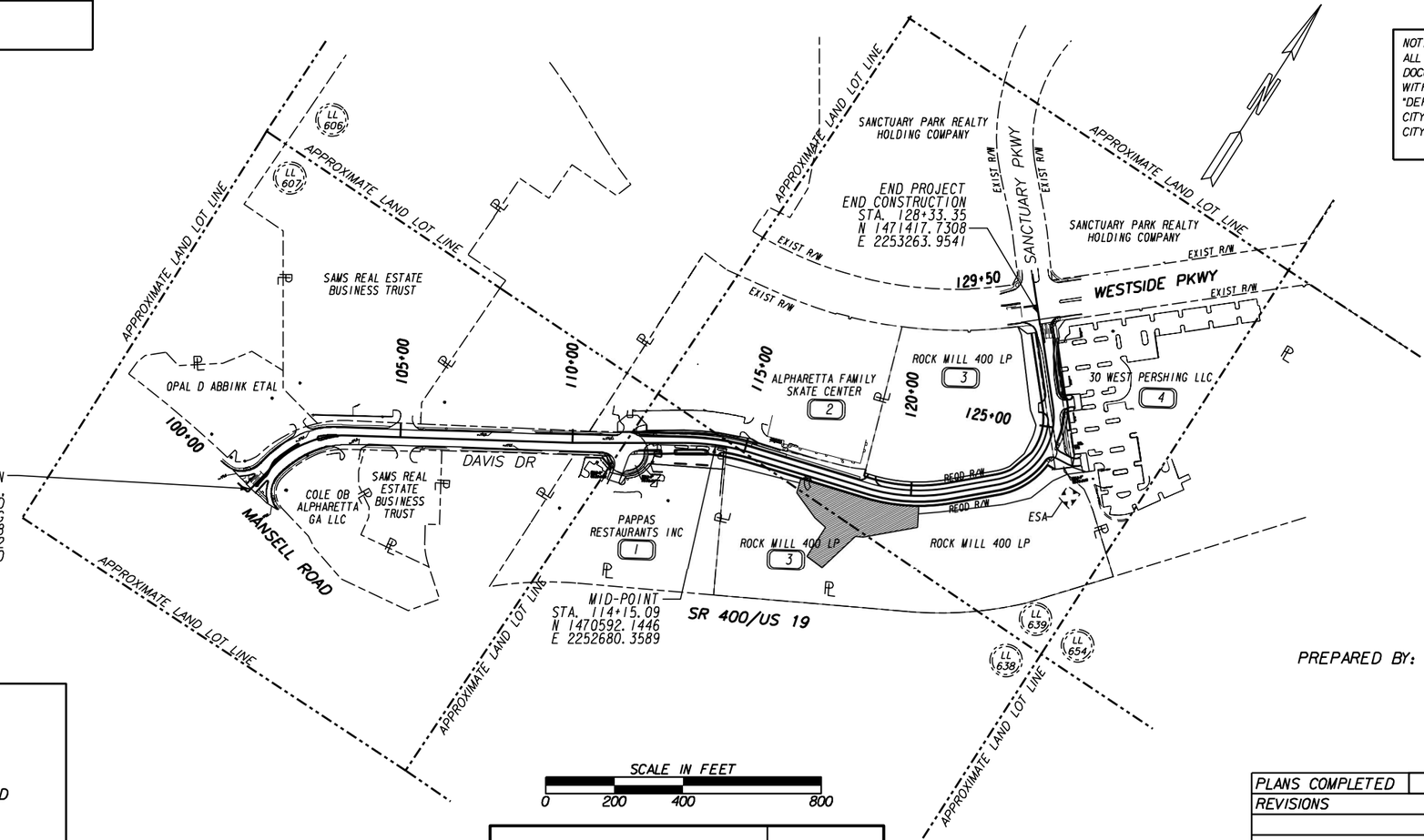
PERMITTING:

A NOI IS REQUIRED

A STREAM BUFFER VARIANCE IS NOT REQUIRED

A 404 PERMIT IS NOT REQUIRED

*THIS PROJECT CONTAINS POST-CONSTRUCTION BMP's



SCALE IN FEET
0 200 400 800

LENGTH OF PROJECT	COUNTY NO. 121
	MILES
NET LENGTH OF ROADWAY	0.5307
NET LENGTH OF BRIDGES	N/A
NET LENGTH OF PROJECT	0.5307
NET LENGTH OF EXCEPTIONS	N/A
GROSS LENGTH OF PROJECT	0.5307

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

GEORGIA REGISTERED No. PE036682 PROFESSIONAL ENGINEER
WILLIAM F. SHEEHAN
3-22-2021

PREPARED BY: AECOM
ONE MIDTOWN PLAZA
1360 PEACHTREE ST, N.E., SUITE 500
ATLANTA, GEORGIA 30309
TEL: (404) 965-9600 FAX: (404) 965-9605

PLANS COMPLETED	03-22-2021	
REVISIONS		

DRAWING No. 01-001

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF PUBLIC WORKS IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

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THE CITY OF ALPHARETTA PUBLIC WORKS

GRWCOV

SHEET NO.	DWG NO.	DESCRIPTION
	01-001	COVER SHEET
	02-001	INDEX
	03-001	REVISION SUMMARY
	04-001 - 04-003	GENERAL NOTES
	05-001 - 05-003	TYPICAL SECTIONS
	06-001 - 06-003	SUMMARY OF QUANTITIES
	13-001 - 13-006	MAINLINE PLANS
	15-001 - 15-004	MAINLINE PROFILE
	17-001 - 17-004	DRIVEWAY PROFILES
	21-001 - 21-002	DRAINAGE AREA MAP AND HYDROLOGIC/HYDRAULIC DATA
	22-001 - 22-003	DRAINAGE PROFILES
	23-001 - 23-017	CROSS SECTIONS
	24-000	UTILITY LEGEND
	24-001 - 24-006	UTILITY PLANS
	25-001 - 25-009	LIGHTING PLANS
	26-001 - 26-006	SIGNING & MARKING PLANS
	27-000 - 27-002	SIGNAL PLAN
	31-001	RETAINING WALL ENVELOPE
	38-001 - 38-007	SPECIAL CONSTRUCTION DETAILS
	40-001 - 40-002	CITY OF ALPHARETTA DESIGN STANDARDS
	44-001 - 44-006	UTILITY PLANS - FULTON COUNTY WATER RELOCATIONS
	44-007 - 44-018	UTILITY PLANS - FULTON COUNTY SEWER RELOCATIONS
		EROSION CONTROL PLANS
	50-001	EROSION CONTROL COVER SHEET
	51-001 - 51-003	ESPCP GENERAL NOTES
	52-001 - 52-007	EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS
	53-001 - 53-003	EROSION CONTROL DRAINAGE AREA MAPS
	54-001 - 54-018	BMP LOCATION DETAILS
	55-001	WATERSHED MAP / SITE MONITORING PLAN
	56-001 - 56-015	CONSTRUCTION STANDARDS AND DETAILS FOR EROSION CONTROL
		RIGHT OF WAY PLANS
	60-001- 60-010	RIGHT OF WAY PLAN SHEETS
		159 TOTAL SHEETS
		SPECIAL CONSTRUCTION DETAILS (PROJECT SPECIFIC)
	38-001	SIDEWALK TURN DOWN WALL DETAIL (PROVIDED BY COBB COUNTY, GA)
	38-002	HANDRAIL DETAIL (FOR USE ADJACENT TO SIDEWALK OR TRAIL)
	38-003	CITY OF ALPHARETTA STORM DRAIN MARKER DETAIL
		CITY OF ALPHARETTA TREE PROTECTION FENCE DETAIL (L-6)
	38-004	STORMCEPTOR MODEL STC 4501 DETAIL & STC 900 DETAIL
	38-005	STORMWATER POND & OUTLET CONTROL STRUCTURE (1/3)
	38-006	STORMWATER POND & OUTLET CONTROL STRUCTURE (2/3)
	38-007	STORMWATER POND & OUTLET CONTROL STRUCTURE (3/3)
		CITY OF ALPHARETTA DESIGN STANDARDS
	40-001	STD. 900 STREET NAME SIGN 12-2015
	40-002	STD. 951 DRIVEWAY DETAILS 08-2015

SHEET NO.	DWG NO.	DESCRIPTION	
		EROSION CONTROL LEGEND & CODES	
	52-001	EC-L1 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 1 OF 7)	01-2013
	52-002	EC-L2 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 2 OF 7)	01-2013
	52-003	EC-L3 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 3 OF 7)	01-2013
	52-004	EC-L4 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 4 OF 7)	01-2013
	52-005	EC-L5 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 5 OF 7)	01-2013
	52-006	EC-L6 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 6 OF 7)	01-2013
	52-007	EC-L7 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 7 OF 7)	01-2013
		CONSTRUCTION STANDARDS AND DETAILS FOR EROSION CONTROL	
	56-001	D-24A TEMP. SILT FENCE (SHEET 1 OF 4)	01-2011
	56-002	D-24B TEMP. SILT FENCE BERM DITCH, INST., BRUSH BARRIER (SHEET 2 OF 4)	01-2011
	56-003	D-24C TEMP. SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4)	01-2011
	56-004	D-24D TEMP. SILT FENCE FABRIC CHECK DAM (SHEET 4 OF 4)	07-2015
	56-005	D-41 CONSTRUCTION EXIT	04-2018
	56-006	D-42 INLET SEDIMENT TRAPS (Sd2-B, Sd2-Bg, & Sd2-G)	05-2008
	56-007	D-55A RIPRAP OUTLET PROTECTION (SHEET 1 OF 2)	04-2016
	56-008	D-55B RIPRAP OUTLET PROTECTION (SHEET 2 OF 2)	04-2016
	56-009	GSWCC INLET SEDIMENT TRAP (Sd2-P & d2-F) & CONC WASHOUT DETAILS	01-2016
	56-010	GSWCC RIPRAP OUTLET PROTECTION (ST-Rp), SLOPE MATTING (Mb) & DUST CONTROL (Du) DETAILS	01-2016
	56-011	GSWCC SPECIFICATIONS FOR MULCHING (Ds1) AND TEMPORARY SEEDING (Ds2)	01-2016
	56-012	GSWCC SPECIFICATIONS FOR PERMANENT VEGETATION (Ds3) - SHEET 1 OF 2	01-2016
	56-013	GSWCC SPECIFICATIONS FOR PERMANENT VEGETATION (Ds3) - SHEET 2 OF 2	01-2016
	56-014	GSWCC SPECIFICATIONS FOR SODDING (Ds4) - SHEET 1 OF 2	01-2016
	56-015	GSWCC SPECIFICATIONS FOR SODDING (Ds4) - SHEET 2 OF 2	01-2016
		GDOT CONSTRUCTION DETAILS	
*SEE NOTE BELOW.		A-3 CONCRETE SIDEWALK DETAILS AND CURB CUT RAMPS	06-2009
		A-4 DETECTABLE WARNING SURFACE	06-2009
		T-01 SIGN PLATES	01-2000
		T-02 DETAILS FOR TYPICAL FRAMING	03-2000
		T-03A TYPE 7, 8 & 9 SQ. TUBE POST INSTALLATION DETAIL	07-2002
		T-03B DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT)	07-2002
		T-5A DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2)	01-2003
		T-11A DETAILS OF PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY	01-2000
		T-12A DETAILS OF PAVEMENT MARKING ARROW LOCATION	01-2000
		T-12B DETAILS OF PAVEMENT MARKINGS - ARROWS	04-2000
		T-14 DETAIL OF PAVEMENT MARKING HATCHING	11-2008
		T-15A DETAILS OF RAISED PVMT MARKER LOCATION NON-LIMITED ACCESS ROADWAY	01-2004
		T-15C DETAILS OF RAISED PVMT MARKERS	09-2011
		T-16 DETAILS OF BICYCLE LANE PAVEMENT MARKINGS	01-2000
		TS-02 PULLBOX ASSEMBLY AND INSTALLATION	04-2010
		TS-03A PEDESTRIAN FACILITIES INSTALLATION DETAILS	04-2010
		GDOT STANDARDS	
*SEE NOTE BELOW.		1011AP PRECAST REINFORCED CONCRETE MANHOLE	06-1975
		1019B DROP INLET TYPES V-1 AND V-2	08-1999
		1030D CULVERTS-SHEET 1 OF 3 (TRENCH CONSTRUCTION, BEDDING, BACKFILLING)	09-2001
		1030D CULVERTS-SHEET 2 OF 3 (FILL HEIGHTS FOR CONCRETE PIPE AND CMP)	09-2001
		1033DP PRECAST CATCH BASINS	09-1982
		1401 PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS)	08-1999
		5046H JOINT DETAILS FOR PORTLAND CEMENT PAVING	01-2007
		9032B CONCRETE CURB AND GUTTER	11-2011
		9102 TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY	03-2006

*THE APPLICABLE GDOT CONSTRUCTION DETAILS AND STANDARDS LISTED ABOVE ARE AVAILABLE FOR VIEWING AND DOWNLOAD ON THE GDOT WEB SITE AT THE FOLLOWING URL:
http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

INDEX

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 02-001

DATE	SHEET NO.	REVISION

DATE	SHEET NO.	REVISION

THE CITY OF
ALPHARETTA
PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

REVISION SUMMARY

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No.
03-001

GENERAL PROJECT SPECIFIC NOTES

1. A N.O.I. IS REQUIRED FOR THIS PROJECT.
2. THERE IS NO SUITABLE PLACE TO BURY OR DISPOSE OF CONSTRUCTION DEBRIS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE CITY OF ALPHARETTA.
3. ALL DRAINAGE STRUCTURES WITHIN THE LIMITS OF THE PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT. ANY DEBRIS THAT ENTERS DRAINAGE STRUCTURES AS A RESULT OF THE MILLING OPERATION WILL BE CLEANED OUT WILL BE PAID FOR UNDER GRADING COMPLETE WITH NO ADDITIONAL COST TO THE CITY OF ALPHARETTA.
4. ALL EXISTING PIPES SHALL BE REMOVED AS INDICATED ON THE PLANS OR AS DIRECTED BY ENGINEER. REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR CLEARING AND GRUBBING. ALL EXISTING CONCRETE PIPE THAT IS TO BE ABANDONED AND LEFT IN PLACE SHALL BE PLUGGED WITH CLASS "B" CONCRETE. THE COST OF THE CLASS "B" CONCRETE USED FOR THIS PURPOSE SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. ANY EXISTING CORRUGATED METAL PIPE, WHICH THE CONTRACTOR AND THE ENGINEER DEEM IMPRACTICAL TO REMOVE, SHALL BE COMPLETELY FILLED WITH FLOWABLE FILL AND PLUGGED WITH CLASS "B" CONCRETE. THE COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS.
5. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.
6. ACCESS TO DRIVEWAYS IS TO BE MAINTAINED AT ALL TIMES.
7. CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS REASONABLY FEASIBLE WITHIN THE PROJECT LIMITS.
8. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED AS FOLLOWS:
   ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND ASPHALT FOR DIRT DRIVES. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. THERE ARE NOT RESIDENTIAL DRIVES ON THE PROJECT. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. DRIVES SHALL BE CONSTRUCTED USING:

   ASPHALT DRIVES --- COMMERCIAL: 165 LBS./SQ. YD. ASPH. CONC., 12.5 mm SUPERPAVE
   220 LBS./SQ. YD. ASPH. CONC., 19 mm SUPERPAVE
   6" GRADED AGGREGATE BASE

   CONCRETE DRIVES --- COMMERCIAL: 8" DRIVEWAY HIGH EARLY STRENGTH CONCRETE (SEE CITY OF ALPHARETTA STD 951 FOR ADDITIONAL INFORMATION)
9. CONCRETE APRONS SHALL BE CONSTRUCTED AT PRIVATE DRIVEWAYS AS SHOWN ON THE PLANS AND PER THE CITY OF ALPHARETTA DRIVEWAY DETAIL STD. 951. CONCRETE DRIVEWAYS AND APRONS SHALL BE CONSTRUCTED USING HIGH EARLY STRENGTH CONCRETE.
10. ALL DRIVEWAYS SHALL BE PAVED BACK TO THE TIE IN POINT OR REQ'D R/W, WHICHEVER IS GREATER.
11. CONTRACTOR SHALL COORDINATE DISTRESSED PAVEMENT AREAS TO BE PATCHED WITH PROJECT ENGINEER PRIOR TO PLACEMENT OF PATCHING MATERIALS.
12. THE CONTRACTOR SHALL FIELD VERIFY ALL TOPOGRAPHIC INFORMATION, INCLUDING, BUT NOT LIMITED TO, LOCATIONS, ELEVATIONS, AND INVERTS OF PAVEMENT, CURB & GUTTER, DRAINAGE, UTILITIES, RIGHTS-OF-WAY AND APPURTENANCES, SIGNAGE, PAVEMENT MARKINGS, AND VEGETATION.
13. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING COMPLIANCE WITH SPECIAL PROVISION 105 - CONTROL OF WORK, WITH PARTICULAR ATTENTION TO SUBSECTION 105.06 - COOPERATION WITH UTILITIES.
14. ALL R/W MARKERS TO BE MOUNTED FLUSH WITH GROUND IF CONFLICT EXISTS WHERE MOUNTED ABOVE GROUND.
15. COST FOR ALL SIGNING AND BARRICADES NEEDED FOR ROAD CLOSURE SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL.
16. EXISTING ASPHALT PAVEMENT WITHIN THE PROJECT LIMITS SHALL BE MILLED AND INLAYED TO A DEPTH OF 2 INCHES. ASPHALT LEVELING SHALL BE PLACED AS NEEDED TO TIE IN DRIVEWAYS AND ELEVATE THE PROPOSED PROFILE GRADE LINE.
17. ALL EXISTING PAVEMENT SHALL BE MILLED TO A DEPTH OF TWO (2) INCHES AND OVERLAYED WITH 12.5 MM SUPERPAVE.
18. EXISTING SANITARY AND STORM SEWER MANHOLES SHALL BE ADJUSTED TO PROPOSED GRADE CONCURRENTLY WITH ROADWAY CONSTRUCTION.
19. UTILITY COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
20. THIS PROJECT CONTAINS POST-CONSTRUCTION BMPS

SIGNING AND MARKING NOTES

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS.
3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY,

4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.

4b. 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).

4c. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS MOUNTED BEHIND GUARD RAIL SHALL BE 6 FEET FROM THE FACE OF THE GUARD RAIL TO THE NEARER EDGE OF THE SIGN(S).

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE 3/8 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.
6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x 1/2 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.
7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.
8. TYPE III (HIGH INTENSITY) RETRO-REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
9. TYPE XI (VERY HIGH INTENSITY) RETRO-REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3A, R1-4A, R5-1, R5-1A, R5-1B).
10. TYPE IX (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS, 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 SIGNS PLACED AS PART OF THE SCHOOL ZONE SIGNING SHALL HAVE TYPE IX (VERY HIGH INTENSITY) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.
11. TYPE IX (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.
12. A ½ INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.
13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL 3/8INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.
14. THE CONTRACTOR WILL, AS REQUESTED BY THE CITY OF ALPHARETTA, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

UTILITY OWNERS

OWNER	SERVICE
AT&T (BELLSOUTH)	TELECOM/FIBER
MCI	FIBER OPTIC
GEORGIA POWER TRANSMISSION	ELECTRIC
GEORGIA POWER DISTRIBUTION	ELECTRIC
FULTON COUNTY	WATER AND SEWER
SOUTHERN COMPANY GAS	NATURAL GAS
COMCAST	TELECOM/FIBER
ZAYO	TELECOM/FIBER

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THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
GENERAL NOTES
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING No. 04-001

CITY OF ALPHARETTA - TRAFFIC NOTES

1. ALL UTILITY LOCATES AND RELOCATIONS, AND/OR DAMAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST CONTACT CITY OF ALPHARETTA LOCATE PERSONNEL DIRECTLY FOR TRAFFIC SIGNAL UTILITY LOCATES. PHONE 678-297-6200.
2. ALL REQUIRED TRAFFIC SIGNAGE MUST MEET MUTCD STANDARDS.
3. ALL REQUIRED TRAFFIC STRIPING MUST MEET MUTCD AND GDOT PLAN SPECIFICATIONS AND MUST BE THERMO-PLASTIC FOR ALL AREAS NOT INSIDE OR ADJACENT TO THE BIKE LANE; STRIPING INSIDE OR ADJACENT TO THE BIKE LANE MUST BE HIGH BUILD PAINT.
4. ALL H/C RAMP FORMS MUST BE APPROVED BY CITY LAND DISTURBANCE INSPECTOR PRIOR TO CONCRETE POUR.
5. ALL STRIPING LAYOUTS MUST BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO FINAL APPLICATION.

SITE NOTES

1. THE PROJECT INCLUDES CONSTRUCTION OF A NEW ROADWAY CONNECTING DAVIS DRIVE AND WESTSIDE PARKWAY. ALSO INCLUDED ARE MINOR IMPROVEMENTS AT THE INTERSECTION OF MANSELL ROAD AND DAVIS DRIVE AND AT THE INTERSECTION OF WESTSIDE PARKWAY AND THE EXISTING TOP GOLF ENTRANCE. NO ADVERSE IMPACTS TO ADJACENT PROPERTIES ARE ANTICIPATED AS A RESULT OF THIS PROJECT.
2. ACCESS TO DAVIS DRIVE AND ALL EXISTING DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES. A MINIMUM LANE OF 10' SHALL BE MAINTAINED AT ALL TIMES.
3. TOTAL PROJECT ACREAGE: 6.96 ACRES
4. TOTAL DISTURBED ACREAGE: 3.54 ACRES.
5. THE PROJECT WILL CONSTRUCT 153,180 SF OF IMPERVIOUS AREA, WITH A NET INCREASE OF APPROXIMATELY 53,213 SF FROM EXISTING CONDITIONS.
6. THE BOUNDARY AND TOPOGRAPHIC INFORMATION CONTAINED IN THESE PLANS WAS TAKEN FROM A BOUNDARY & TOPOGRAPHIC SURVEY BY LANDAIR SURVEYING COMPANY, DATED SEPTEMBER 23, 2014.
7. SURVEY BENCHMARK: TBM - "X" SCRIBED IN SIDEWALK - ELEV. 990.01 - FOUND NEAR THE INTERSECTION OF DAVIS DRIVE AND MANSELL ROAD AND TBM "X" SCRIBED IN CONCRETE - ELEV. 1066.00 - FOUND NEAR THE INTERSECTION OF THE TOP GOLF ENTRANCE AND WESTSIDE PARKWAY.
8. SAID BENCHMARKS ARE BASED ON THE GEORGIA STATE PLANE COORDINATE SYSTEM OF 1985 (NAD 1983). ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
9. THE PROJECT LIMITS DO NOT CONTAIN STATE WATERS OR WETLANDS. NO PORTION OF THIS PROJECT IS WITHIN 200 LF OF STATE WATERS.
10. NO PORTION OF THIS PROJECT LIES WITHIN THE SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD, AS PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY, AND SHOWN ON COMMUNITY-PANELS #13121C0062F AND #13121C0066F, LAST REVISED SEPTEMBER 18, 2013.
11. NO PORTION OF THIS PROJECT LIES WITHIN THE SPECIAL FLOOD HAZARD AREAS (SFHAs), AREAS OF 1% ANNUAL CHANCE FLOOD WITH DRAINAGE AREAS LESS THAN 1 SQUAREMILE, AS SHOWN ON THE CITY OF ALPHARETTA EXPANDED FLOODPLAIN MAPS. NO PORTION OF THIS PROJECT LIES WITHIN THE FUTURE FLOODPLAIN FOR THE CITY OF ALPHARETTA.
12. THERE ARE NO KNOWN EXISTING WELLS OR SEPTIC SYSTEMS WITHIN THE PROJECT LIMITS. NO NEW WELLS OR SEPTIC SYSTEMS ARE PROPOSED.

CITY OF ALPHARETTA - SITE ENGINEERING NOTES

1. ALL AREAS TO RECEIVE STRUCTURAL FILL TO BE CLEARED, STRIPPED, AND FREE OF TOPSOIL, ROOTS, STUMPS, AND ALL OTHER DELETERIOUS MATERIAL. STRUCTURAL FILL TO BE CLEAN FROM ORGANICS AND ALL OTHER DELETERIOUS MATERIAL. FILL TO BE PLACED IN MAXIMUM 8" LIFTS AND COMPACTED TO AT LEAST 95% STANDARD PROCTOR MAXIMUM DENSITY AND TO WITHIN 3%± OF THE OPTIMUM MOISTURE CONTENT, UNLESS OTHERWISE SPECIFIED IN THE PROJECT GEOTECHNICAL REPORT OR BY THE PROJECT GEOTECHNICAL ENGINEER. ALL FILL SOILS TO BE PLACED UNDER THE OBSERVATION OF THE PROJECT GEOTECHNICAL ENGINEER. DOCUMENTATION OF COMPACTION TESTING SHALL BE PROVIDED TO THE LAND DISTURBANCE ACTIVITY INSPECTOR FOR ALL ROADWAY CONSTRUCTION IN THE RIGHT-OF-WAY (INCLUDING DECELERATION LANE). CONTACT LAND DISTURBANCE ACTIVITY INSPECTOR PRIOR TO CONSTRUCTION FOR FURTHER TESTING REQUIREMENTS.
2. FAILURE OF THE CONTRACTOR TO PERFORM THE PRESCRIBED EROSION CONTROL PRACTICES SHALL RESULT IN THE IMMEDIATE ISSUANCE OF A STOP-WORK ORDER FOR THE PROJECT SITE, PURSUANT TO SECTION 3.1.1.F.2.d. OF THE CITY UNIFIED DEVELOPMENT CODE.
3. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL DISTURBED AREAS MUST BE VEGETATED WITHIN 14 DAYS OF FINAL GRADE.
5. ALL FILL SLOPES SHALL HAVE SILT FENCE AT THE TOE OF THE SLOPE.
6. THE PROJECT LIMITS DO NOT CONTAIN STATE WATERS OR WETLANDS.
7. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
8. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

CITY OF ALPHARETTA - SITE ENGINEERING NOTES (CONT'D)

9. ANY DISTURBED AREA LEFT EXPOSED FOR 14 DAYS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH.
10. THE CONTRACTOR SHALL REMOVE SEDIMENT ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE SILT FENCE USED FOR EROSION CONTROL.
11. MAXIMUM CUT OR FILL SLOPES ARE 2 HORIZONTAL : 1 VERTICAL.
12. ALL SILT FENCE SHALL BE FOR SENSITIVE AREAS.
13. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO ROADWAY OR INTO STORM DRAIN SYSTEM MUST BE REMOVED IMMEDIATELY BY SWEEPING. EXCESSIVE OFFSITE TRACKING MAY WARRANT THE INSTALLATION OF A CONSTRUCTION EXIT AT THE DISCRETION OF THE CITY OF ALPHARETTA INSPECTOR. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND. CONCRETE WASHDOWN IS NOT ALLOWED.
14. ALL STORM DRAINS AND DROP INLETS WILL HAVE 4" PERMANENT POLLUTION PREVENTION MARKERS INSTALLED PRIOR TO INSPECTION. MARKERS ARE AVAILABLE AT THE CITY OF ALPHARETTA COMMUNITY DEVELOPMENT (678-297-6000).
15. THE CONTRACTOR WILL MAINTAIN STORM WATER RUNOFF CONTROLS AT ALL TIMES. ADDITIONAL CONTROLS WILL BE INSTALLED IF DETERMINED NECESSARY BY CITY INSPECTION.
16. IRRIGATION SYSTEMS ARE NOT ALLOWED WITHIN THE PUBLIC RIGHT-OF-WAY.
17. AT LEAST ONE PERSON ON A PROJECT OR SITE MUST HAVE COMPLETED THE LEVEL 1A EROSION EDUCATION & TRAINING COURSE AND BE CERTIFIED BY GSWCC.
18. SUBCONTRACTORS MUST COMPLETE EITHER LEVEL 1A EROSION EDUCATION & TRAINING COURSE OR ATTEND SUBCONTRACTOR AWARENESS SEMINAR.

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1000 ABERNATHY ROAD, N.E., SUITE 900
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REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 04-002

CITY OF ALPHARETTA - COMMUNITY DEVELOPMENT NOTES

1. CURRENT SITE ZONING: LI
2. PROPOSED USE: PUBLIC ROADWAY
3. PARKING REQUIRED: NOT APPLICABLE
4. HANDICAP SPACES REQUIRED: NOT APPLICABLE
5. OFF-STREET PARKING SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.
6. ALL REVISIONS TO THESE PLANS MUST BE SUBMITTED TO THE CITY OF ALPHARETTA COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO CONTINUING CONSTRUCTION.
7. ON-SITE BURIAL IS NOT ALLOWED.
8. AN ENGINEER'S CERTIFICATION WILL BE REQUIRED FOR ALL RETAINING WALLS PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. ALL RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT MUST OBTAIN A BUILDING PERMIT.
9. IRRIGATION NOTES:
   a. IRRIGATION SYSTEMS ARE NOT ALLOWED WITHIN THE PUBLIC RIGHT OF WAY.
   b. IRRIGATION SPRAY ONTO PUBLIC ROADWAYS IS NOT ALLOWED.
   c. IRRIGATION SYSTEMS MUST BE SHUT OFF OR OPERATED MANUALLY DURING WINTER MONTHS TO PREVENT UNNECESSARY ICE ON ROADS.

CITY ARBORIST NOTES

1. TREE SAVE FENCE AND SIGNAGE FOR ENTIRE SITE MUST BE INSTALLED, INSPECTED AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE OR DEMOLITION IS ALLOWED BEFORE THIS INSPECTION AND APPROVAL HAS OCCURRED.
2. THE CRZ OF SPECIMEN TREES PLUS ALL STREAM BUFFERS SHALL BE PROTECTED WITH WIRE-BACK TREE SAVE FENCING WITH METAL SUPPORT POSTS AND TREE SAVE SIGNAGE.
3. INSTALLATION OF THE TREE SAVE FENCE WILL INVOLVE NO TRENCHING.
4. ALL EXISTING TREES IDENTIFIED FOR PRESERVATION OR FOUND WITHIN TREE SAVE AREAS MUST BE FULLY PROTECTED DURING ALL PHASES OF THIS PROJECT.
5. ADDITIONAL TREES ALONG THE LIMITS OF DISTURBANCE WITH ENCROACHMENT INTO THE SRP AND DEEMED STRUCTURALLY UNSAFE BY THE CITY ARBORIST OR THE PROJECT ARBORIST MAY BE REQUIRED TO BE REMOVED.
6. ALL ROOTS ENCOUNTERED 1/2" OR GREATER DURING GRADING OR EXCAVATING OPERATIONS SHALL BE CLEAN CUT UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
7. ANY LIMBS OVERHANGING THE LOD THAT MAY BE RIPPED, TORN, OR DAMAGED DURING CONSTRUCTION SHALL BE PROPERLY PRUNED UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE VEGETATION AND REMOVE TRASH AND DEBRIS WITHIN AND AROUND THE PERIMETER OF THE PROJECT LIMITS, EVEN IF WITHIN THE PUBLIC ROW, IN ACCORDANCE WITH THE CITY OF ALPHARETTA PROPERTY MAINTENANCE CODES.
9. ALL APPROVED REVISIONS TO THE LOCATION OF THE TREE SAVE FENCE NEED TO BE COORDINATED WITH THE LAND DISTURBANCE INSPECTOR PRIOR TO RELOCATION.

CITY OF ALPHARETTA - FIRE MARSHAL NOTES

1. DURING CONSTRUCTION AND FOR PERMANENT ACCESS, ROADWAYS CONSTRUCTED OF AN ALL-WEATHER SURFACE CAPABLE OF SUPPORTING 75,000 POUNDS GROSS WEIGHT SHALL BE PROVIDED PER INTERNATIONAL FIRE CODE, CHAPTER 5, SECTION 503.2.3, 2006 EDITION.

DEMOLITION NOTES

1. DEMOLITION WORK SHALL NOT BEGIN UNTIL PHASE I EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND APPROVED BY CITY INSPECTOR.
2. EXISTING SIDEWALK AND CURB AND GUTTER CALLED OUT TO BE REMOVED SHALL BE REMOVED TO NEAREST JOINT.

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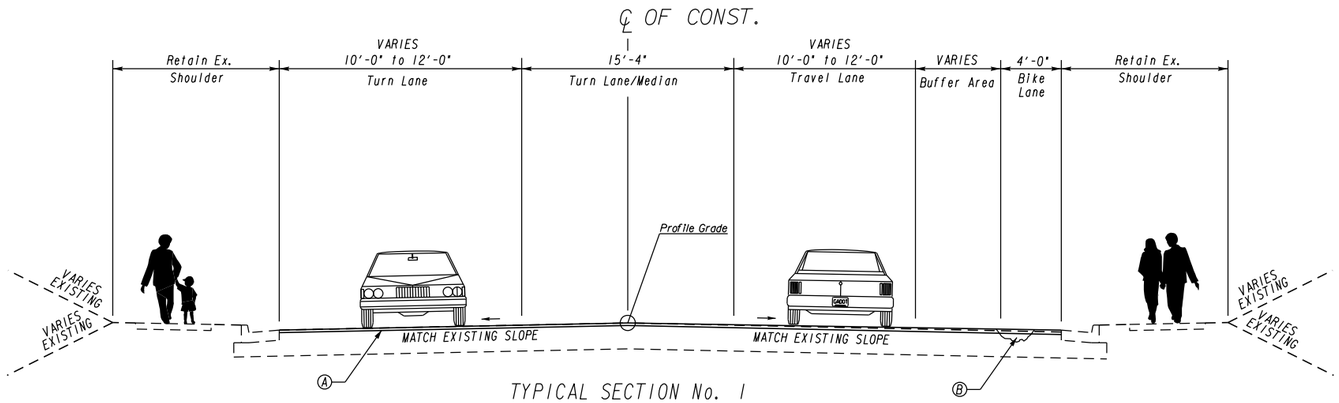
REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

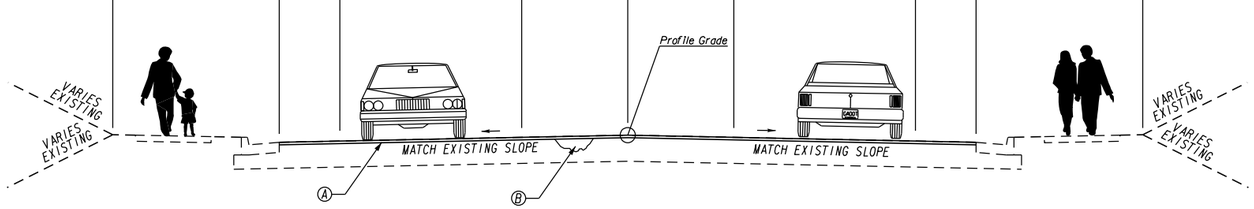
GENERAL NOTES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 04-003



TYPICAL SECTION No. 1
APPLIES TO EXISTING DAVIS DRIVE
FROM STA. 100+13.90 TO STA. 102+60



TYPICAL SECTION No. 2
APPLIES TO EXISTING DAVIS DRIVE
FROM STA. 102+60 TO STA. 111+50

Ⓐ MILL 2 INCHES AND INLAY WITH RECYCLED ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY. INCL BITUM MATL & H LIME 220 LB/SY
Ⓑ ASPHALTIC CONCRETE PATCHING, INCL BITUM MATL (AS REQ'D)

NOTE:
1. ALL EXISTING PAVEMENT WITHIN THE PROJECT LIMITS SHALL BE MILLED TO A DEPTH OF TWO (2) INCHES AND OVERLAYED WITH 12.5 MM SUPERPAVE.

THE CITY OF ALPHARETTA PUBLIC WORKS

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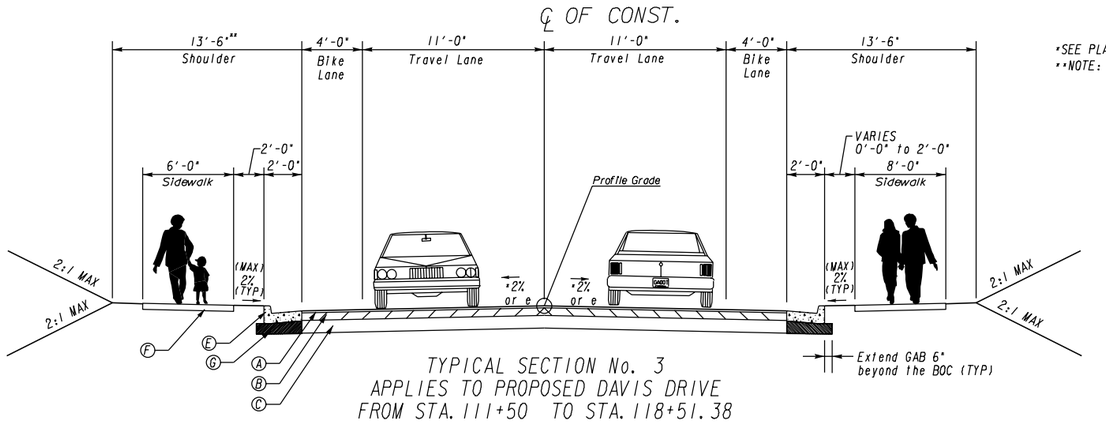
REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

TYPICAL SECTIONS

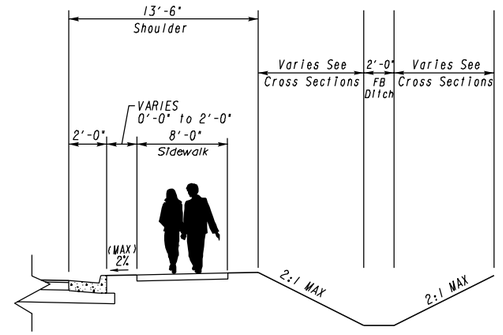
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 05-001

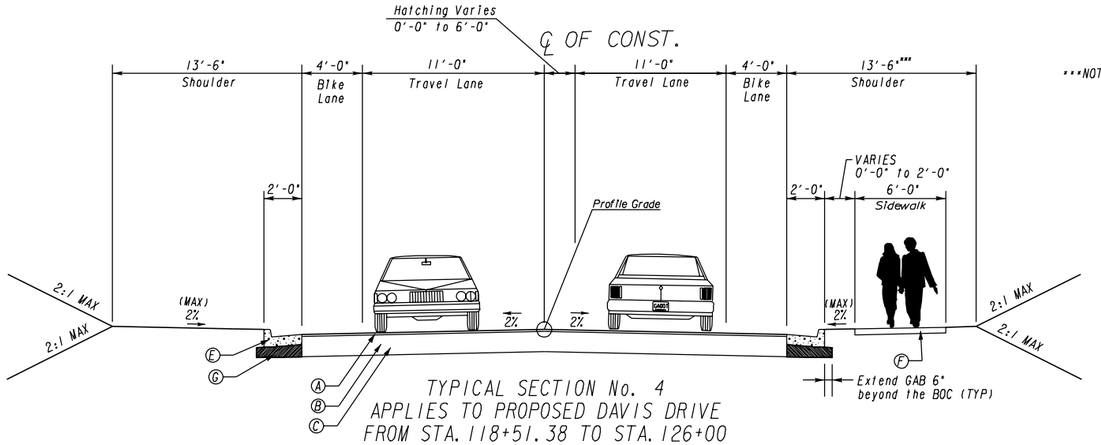


TYPICAL SECTION No. 3
APPLIES TO PROPOSED DAVIS DRIVE
FROM STA. 111+50 TO STA. 118+51.38

*SEE PLANS FOR SE RATES AND STATIONS
**NOTE: SEE DRAWING 38-001 FOR DETAILS OF SIDEWALK TURN-DOWN WALL FROM STA. 115+15 to 116+19 LT

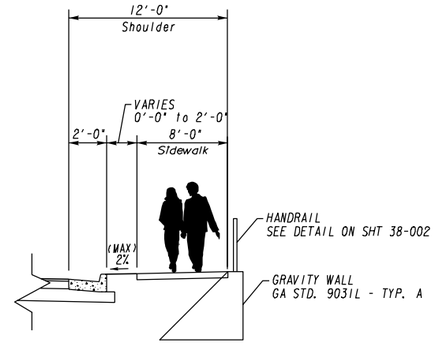


RIGHT SIDE DITCH DETAIL
FROM STA. 118+18 TO STA. 124+12.00



TYPICAL SECTION No. 4
APPLIES TO PROPOSED DAVIS DRIVE
FROM STA. 118+51.38 TO STA. 126+00

***NOTE: RETAIN EXISTING SHOULDER STA. 125+73 - 126+47



RIGHT SIDE DITCH DETAIL
FROM STA. 125+04.00 TO STA. 125+48.00

Ⓐ RECYCLED ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY. INCL BITUM MATL & H LIME 220 LB/SY (2")
Ⓑ RECYCLED ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2,. INCL BITUM MATL & H LIME 440 LB/SY (4")
Ⓒ GRADED AGGREGATE BASE, 12 INCH INCL MATL
Ⓓ PAVEMENT REINFORCING FABRIC STRIP, TYPE 2, 18" (WHERE NEW SECTION CONNECTS TO EXISTING)
Ⓔ 6"x24" CONC. CURB & GUTTER, GA. STD. 9032B, TYPE 2
Ⓕ 4" CONCRETE SIDEWALK (8" AT RADIUS RETURNS & PEDESTRIAN RAMPS)
Ⓖ GRADED AGGREGATE BASE, 6 INCH INCL MATL UNDER CURB & GUTTER

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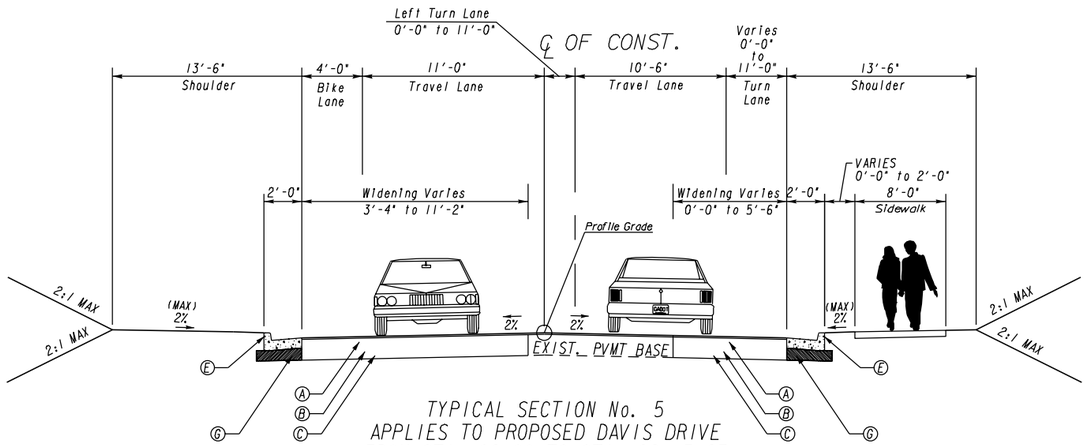
REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
TYPICAL SECTIONS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

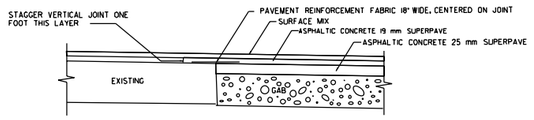
DRAWING No. 05-002



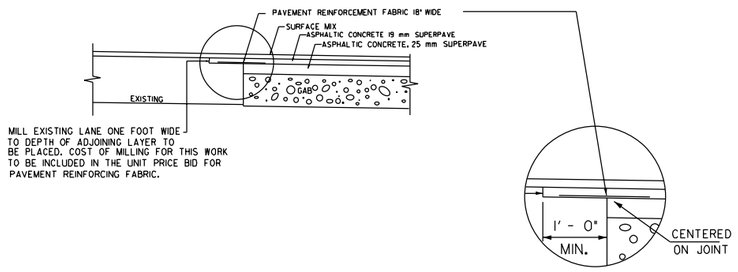
TYPICAL SECTION No. 5
APPLIES TO PROPOSED DAVIS DRIVE
FROM STA. 126+00 TO STA. 128+15.63

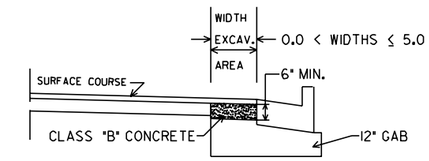
Ⓐ RECYCLED ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY. INCL BITUM MATL & H LIME 220 LB/SY (2")
Ⓑ RECYCLED ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2,. INCL BITUM MATL & H LIME 440 LB/SY (4")
Ⓒ GRADED AGGREGATE BASE, 12 INCH INCL MATL
Ⓓ PAVEMENT REINFORCING FABRIC STRIP, TYPE 2, 18" (WHERE NEW SECTION CONNECTS TO EXISTING)
Ⓔ 6"x24" CONC. CURB & GUTTER, GA. STD. 9032B, TYPE 2
Ⓕ 4" CONCRETE SIDEWALK (8" AT RADIUS RETURNS & PEDESTRIAN RAMPS)
Ⓖ GRADED AGGREGATE BASE, 6 INCH INCL MATL UNDER CURB & GUTTER

TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
TWO INCHES OR MORE OF ASPHALTIC CONCRETE



TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
LESS THAN TWO INCHES OF ASPHALTIC CONCRETE





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

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

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

See plans for details of curb and gutter construction.

CLASS "B" CONCRETE BASE OR WIDENING DETAIL

THE CITY OF ALPHARETTA PUBLIC WORKS

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REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
TYPICAL SECTIONS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING No. 05-003

SUMMARY OF QUANTITIES - SURFACING AND WALLS

	ASPHALTIC CONCRETE					MISC					PC CONCRETE						
	RECYCLED ASPHALT CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY INCL. BITUM MATL & H LIME	RECYCLED ASPHALT CONCRETE 19 MM SUPERPAVE, GP 1 OR 2 INCL. BITUM MATL & H LIME	RECYCLED ASPHALT CONCRETE LEVELING INCL. BITUM MATL & H LIME	RECYCLED ASPHALT CONCRETE PATCHING INCL. BITUM MATL & H LIME	BITUMINOUS TACK COAT	PVMT REINF FABRIC STRIP TP 2, 18 IN WIDTH	CLASS B CONC BASE OR PAVEMENT WIDENING	GRADED AGGR BASE COURSE INCL MATERIAL	MILLING ASPH CONC PVMT VARIABLE DEPTH	AGGR SURFACE COURSE	CONCRETE VALLEY GUTTER 8 IN DEPTH	CONCRETE DRIVEWAY 8 IN DEPTH	GDOT STD. 9032B. TP 2 8" X 24" CONC CURB & GUTTER	GDOT STD. 9032B. TP 2 CONCRETE HEADER CURB, 6 IN	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONCRETE	CONC SIDEWALK 4 IN THK	CONC SIDEWALK 8 IN THK
	TN	TN	TN	TN	GL	LF	CY	TN	SY	TN	SY	SY	LF	LF	CY	SY	SY
ROADWAYS	1364	1372	800		1305	100	21	5256	6167				3813	210		1692	132
DRIVEWAYS	59	79			100					30	17	409			302		
SUBTOTAL	1423	1451	800		1405	100	21		6167	30	17	409	3813	210	302	1692	132
AS DIRECTED BY ENGR				100													
TOTAL	1423	1451	800	100	1405	100	21	5256	6167	30	17	409	3813	210	302	1692	132

SAWED JOINTS IN EXISTING CONC PAVEMENT

LF 450

CLASS A CONCRETE INCLUDING REINF STEEL (FOR TURN-DOWN AND TURN-UP SW WALLS)

CY 26

CLASS B CONC - GRAVITY WALL GA STD. 9031L TYP. A - STA 125+04 TO 125+48

CY 53

CONC MEDIAN 7.5"

SY 167

PAYMENT FOR THE PAPPADEAUX CONCRETE PARKING LOT IS ALL INCLUSIVE WITHIN THE PAY ITEMS FOR 24-HOUR ACCELERATED STRENGTH CONCRETE AND SAWED JOINTS IN EXISTING CONC PAVEMENT. THE CONC PARKING LOT PAVEMENT SHALL BE CONSTRUCTED PER GDOT STD 5046H.

SUMMARY OF QUANTITIES - PAVEMENT MARKING

TRAFFIC STRIPE													STRIPING		ARROWS			SYMBOLS	MARKERS	
WHITE									YELLOW				WHITE	YELLOW						
THERMOPLASTIC SOLID TRAFFIC STRIPE 5 IN	THERMOPLASTIC SKIP TRAFFIC STRIPE 5 IN	THERMOPLASTIC SOLID TRAFFIC STRIPE 8 IN	THERMOPLASTIC SOLID TRAFFIC STRIPE 12 IN	THERMOPLASTIC SOLID TRAFFIC STRIPE 24 IN	PREFORMED PLASTIC SOLID TRAFFIC STRIPE 8 IN	PREFORMED PLASTIC SOLID TRAFFIC STRIPE 24 IN	HIGH BUILD, WET WEATHER, SOLID TRAFFIC STRIPE 5 IN	HIGH BUILD, WET WEATHER, SKIP TRAFFIC STRIPE 5 IN	THERMOPLASTIC SOLID TRAFFIC STRIPE 5 IN	THERMOPLASTIC SKIP TRAFFIC STRIPE 5 IN	PREFORMED PLASTIC SOLID TRAFFIC STRIPE 8 IN, CONTRAST	THERMOPLASTIC TRAFFIC STRIPING	THERMOPLASTIC TRAFFIC STRIPING	THERMOPLASTIC PVMT MKG, ARROW, TP 1	THERMOPLASTIC PVMT MKG, ARROW, TP 2	THERMOPLASTIC PVMT MKG, ARROW, TP 3	PAVEMENT MARKING, HIGH BUILD WET WEATHER, BIKE SHARED LANE SYMBOL	RAISED PAVEMENT MARKER, TP 1	RAISED PAVEMENT MARKER, TP 3
LF	GLF	LF	LF	LF	LF	LF	LM	GLM	LF	GLF	GLF	SY	SY	EA	EA	EA	EA	EA	EA
2662	602	2517	482	496	1561	46	0.335	0.167	4300	1190	60	128	217	0	16	1	11	20	74

EROSION CONTROL

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
643-8200	BARRIER FENCE (ORANGE), 4 FT	LF	3700
171-0030	TP C SILT FENCE	LF	4965
163-0550	CONSTRUCT & REMOVE INLET SED TRAP	EA	26
163-0300	CONSTRUCTION EXIT	EA	2
163-0240	MULCH	TB	80
163-0232	TEMP GRASSING	AC	4
165-0030	MAINTENANCE OF TEMPOARY SILT FENCE, TP C	LF	4695
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	2
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	26
700-1250	PERM GRASSING	AC	4
716-2000	EROSION CONTROL MATS, SLOPES	SY	3800
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	2
167-1500	WATER QUALITY INSPECTIONS	EA	9
660-2600	CLEAN OUT DOWNSTREAM CLOSED SYSTEMS AND DETENTION PONDS	EA	1
700-9300	SOD	SY	2850

CONC R/W MARKERS

EA 34

GRADING COMPLETE

LUMP SUM 1

6' CHAIN-LINK FENCE

LF 1006

TRAFFIC CONTROL

LUMP SUM 1

16' CHAIN-LINK GATE

EA 1

STORMWATER POND

LS 1

HANDICAP RAMPS

TP B EA 3

PLAIN CONC DITCH PAVING, 4 IN

SY 114

HAND RAIL ADJACENT TO TURN-DOWN WALLS & GRAVITY WALL (SEE DRAWING 38-002)

LF 158

THE CITY OF ALPHARETTA PUBLIC WORKS

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REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SUMMARY QUANTITIES
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 06-001

SUMMARY OF QUANTITIES - DRAINAGE

STRUCTURE NO.	NOTE: ALL STATIONING ALONG DAVIS DRIVE LOCATION	PIPE STORM DRAIN H I-10			APPROXIMATE GRADE OF PIPE	F.E.S. (GA. STD. 1120)		CATCH BASINS GDOT STD. 1033D		MISC.			DROP INLET GP 1 GA. STD. 1019-A		BMP		RIP RAP	
								6' OR LESS	ADD'L DEPTH	CONCRETE CAP ON EXISTING PIPE	RECONSTR STORM SEW MANHOLE, TYPE I	OUTLET CONTROL STRUCTURE (SEE SHT 38-005)	6' OR LESS	ADD'L DEPTH	STC 4501 STORMCEPTOR UNIT	STC 900 STORMCEPTOR UNIT	RIP RAP TYPE 3-18"	PLASTIC FILTER FABRIC
OUT		18"	24"	30"	%	EA	SZ	EA	LF	EA	EA	EA	EA	LF	EA	EA	SY	SY
A-1	112+36.00, 20.80' LT																	
A-2	112+36.00, 6.00' RT																	
A-3	112+70.00, 22.25' RT	65			6.48			1										
ST-1	112+33.50, 23.10' RT														1			
B-9	124+30.00, 18.5' LT	63			1.0			1										
B-8	123+60.00, 18.5' LT	128			1.0			1	3.48									
B-7	122+20.00, 18.5' LT	196			1.0			1	5.05									
B-6	120+20.00, 18.5' LT	130			1.0			1										
B-5	118+85.00, 18.5' LT	28			1.0			1										
B-4	117+00.00, 18.5' LT	130			1.0			1										
B-3	118+30.00, 18.5' LT	27			1.2			1										
B-2	118+57.00, 15.5' LT		33		1.0								1					
ST-2	118+57.00, 22.0' RT		49		1.0											1		
B-1	118+57.00, 55.00' RT					1	24"										33	33
C-3	126+60.00, 18.5' LT	98			3.2			1										
C-2	127+58.00, 18.5' LT	20			5.24			1										
C-1.1	127+86.85, 36.3' RT	1			1.0			1			1				1			
ST-3	127+78.00, 16.5' LT																	
D-1.1	124+14.00, 63.0' RT	46			1.0									1				
D-1	124+44.00, 88.50' RT												1	2.10				
D-2																		
D-3										1								
POND	118+11.50, 93.00' RT (OCS)											1						
POND	PIPE																	
POND	118+11.50, 144.49' RT (FES)	46				1	18"											
Ditch	Outfall @ 118+95, 52.54' RT																261	261
Ditch	Outfall @ 120+16, 36' RT																131	131
	SUB-TOTALS	932	49			1		11	8.53	0	0	1	1	1	2	2.10	1	0	2	1	423	423
	AS-DIRECTED BY ENGINEER																	
	TOTAL	932	49			1		11	9	0	0	1	1	1	2	3	1	0	2	1	423	423

LIGHTING COST ESTIMATE- DAVIS DRIVE

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
682-9950	DIRECTIONAL BORE - 3 IN	LF	520
681-4210	LIGHTING STD, 30 FT MH, POST TOP	EA	14
682-1404	CABLE, TP XHHW, AWG NO 10	LF	12300
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	4100
682-6225	CONDUIT, NONMETL, TP 2, 2 1/2 IN	LF	75
682-9000	MAIN SERVICE PICK UP POINT - NO 1	LS	1
682-9022	ELECTRICAL JUNCTION BOX, REINFORCED PLASTIC MORTAR	EA	2
681-6200	LUMINAIRE, TYPE 2, LED	EA	14

WATER AND SEWER

Fulton County Public Works Department, Water Resources Davis Extenstion, Alpharetta, GA		Unit	In-Kind/ Betterment Total Qty.
171-0030	TEMPORARY SILT FENCE, TYPE C(171-0030)	LF	1650
500-3101	CLASS A CONCRETE(500-3101)	CY	6
611-8120	ADJUST WATER METER BOX TO GRADE(611-8120)	EA	1
611-8140	ADJUST WATER VALVE BOX TO GRADE(611-8140)	EA	1
600-0001	FLOWABLE FILL(600-0001)	CY	1
670-1060	WATER MAIN, 6 IN	LF	50
670-1120	WATER MAIN, 12 IN	LF	1650
670-1500	CAP OR REMOVE EXISTING WATER MAIN	EA	1
670-2500	INSERTION VALVE -	EA	1
670-2060	GATE VALVE, 6 IN	EA	4
670-2120	GATE VALVE, 12 IN	EA	2
670-2002	VALVE MARKER	EA	7
670-3129	TAPPING SLEEVE & VALVE ASSEMBLY, 12 IN X 12 IN	EA	2
670-9734	RELOCATE EXISTING WATER METER, INCL BYPASS & VAULT -	EA	1
670-4000	FIRE HYDRANT	EA	4
670-5010	WATER SERVICE LINE, 1 IN(670-5010)	LF	30
670-5020	WATER SERVICE LINE, 2 IN	LF	20
670-5620	WATER SERVICE LINE, 3/4 IN	LF	10
670-5000	WATER SERVICE LINE -	LF	10
670-9710	RELOCATE EXIST FIRE HYDRANT	EA	1
670-9720	RELOCATE EXIST WATER VALVE, INCL BOX	EA	1
670-9730	RELOCATE EXIST WATER METER, INCL BOX	EA	1
670-9920	REMOVE EXISTING FIRE HYDRANT	EA	1
611-8050	ADJUST MANHOLE TO GRADE(611-8050)	EA	4

CITY OF ALPHARETTA STORM DRAIN MARKERS & ADHESIVE LS, SEE DWG 38-003

EA 17

CONDUIT, NONMETL, TP 3, 4 IN (PAY ITEM 682-6260)

LF 225

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SUMMARY QUANTITIES
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 06-002

SIGNAL QUANTITIES

	PAY ITEMS		
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	24
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LS	LS
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	LF	235
682-9950	DIRECTIONAL BORE, 5 IN	LF	95

SUMMARY OF QUANTITIES - STANDARD SIGNS

INSTL. NO.	STATION	SIDE	ROADWAY	HIGHWAY SIGNS									SIGN POST		
				SIGN CODE	TP 1 MAT'L, REFL SHEETING, TP 3			TP 1 MAT'L REFL SHEETING, TP 9			TP 1 MAT'L, REFL SHEETING, TP 11			TYPE 7		
					SIZE	QTY	SQ FT	SIZE	QTY	SQ FT	SIZE	QTY	SQ FT	LENGTH (FEET)	QTY	TOTAL LENGTH
1	100+74	RT	DAVIS DR	R1-2							36X36X36	1	9.00	14	1	14
2	100+85	RT	DAVIS DR	R12-3SP				24X36	1	6.00				14	1	14
3	100+97	RT	DAVIS DR	R3-17				30X24	1	5.00				14	1	14
4	100+97	RT	DAVIS DR	R3-17AP				30X12	1	2.50						
5	102+80	RT	DAVIS DR	R2-1				24X30	1	5.00				14	1	14
6	111+20	LT	DAVIS DR	R2-1				24X30	1	5.00				14	1	14
7	113+00	RT	DAVIS DR	R1-1							30X30	1	6.25	14	1	14
8	114+28	RT	DAVIS DR	R1-1							30X30	1	6.25	14	1	14
9	114+60	RT	DAVIS DR	R2-1				24X30	1	5.00				14	1	14
10	117+73	RT	DAVIS DR	W1-2aL							30X30	1	6.25	14	1	14
11	124+49	RT	DAVIS DR	R1-1							30X30	1	6.25	14	1	14
12	125+35	RT	DAVIS DR	R3-17				30X24	1	5.00				14	1	14
13	125+35	RT	DAVIS DR	R3-17BP				30X12	1	2.50						
14	126+20	LT	DAVIS DR	R2-1				24X30	1	5.00				14	1	14
15	127+50	LT	DAVIS DR	R3-17				30X24	1	5.00				14	1	14
16	125+95	LT	DAVIS DR	W1-2aR							30X30	1	6.25	14	1	14
17	127+80	LT	DAVIS DR	R12-3SP				24X36	1	6.00				14	1	14
18	128+15	LT	DAVIS DR	W16-8P							42X15	1	4.375			
19	128+58	LT	DAVIS DR	D3-1				18X96	1	12.00						
20	128+58	RT	DAVIS DR	D3-1				18X96	1	12.00						
21	111+46	LT	DAVIS DR	R1-1							30X30	1	6.25	14	1	14
22	111+65	RT	DAVIS DR	R1-1							30X30	1	6.25	14	1	14
23	125+81	RT	DAVIS DR	R1-1							30X30	1	6.25	14	1	14
24	123+80	RT	DAVIS DR	R-SPEC				30X30	1	6.25				14	1	14
25	124+84	RT	DAVIS DR	R-SPEC				30X30	1	6.25				14	1	14
26	125+16	RT	DAVIS DR	R-SPEC				30X30	1	6.25				14	1	14
27	126+24	RT	DAVIS DR	R-SPEC				30X30	1	6.25				14	1	14
TOTAL										101.0			63.4			308

REMOVE HIGHWAY SIGN, STD	
EA	1

REMOVE AND RESET HIGHWAY SIGN	
EA	1

DETAILED ESTIMATE - DAVIS DRIVE @ MANSELL RD - BID ALTERNATE 2

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
680-4200	LIGHTING STD, 0 - 20 FT MH	EA	4
680-5245	LUMINAIRE BRACKET ARM, 2 FT	EA	4
682-1404	CABLE, TP XHHW, AWG NO 10	LF	3300
681-6200	LUMINAIRE, TYPE 2, LED	EA	4
210-0100	GRADING COMPLETE	LS	1
310-1101	GR AGGR BASE CRS, INCL MATL	TN	52
441-0018	DRIVEWAY CONCRETE, 8 IN TK	SY	188
441-0104	CONC SIDEWALK, 4 IN	SY	1106
635-1000	TYPE 3 BARRICADE W/ROAD CLOSED SIGN (R11-2)	EA	7
657-1084	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, WHITE, TP PB	LF	160

DETAILED ESTIMATE - DAVIS DRIVE @ MANSELL RD- BID ALTERNATE 3

PAY ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
660-0808	SANITARY SEWER PIPE - 8" D.I.P.	LF	544
660-1110	**REQUIRES SPECIAL PROVISIONS** TEMPORARY BYPASS PUMPING	EA	1
660-1115	SYSTEM INSTALLATION **REQUIRES SPECIAL PROVISIONS** TEMPORARY BYPASS PUMPING	EA	1
668-3300	SYSTEM DECOMMISSIONING **REQUIRES SPECIAL PROVISIONS** SANITARY SEWER MANHOLE TP1	EA	2
668-3311	SANITARY SEWER MANHOLE TP1	LF	8
668-3312	ADDITIONAL DEPTH CL1 SANITARY SEWER MANHOLE TP1	LF	14
668-3313	ADDITIONAL DEPTH CL2 SANITARY SEWER MANHOLE TP1	LF	7
660-2600	ADDITIONAL DEPTH CL3 SEWER CLEAN-OUTS	EA	3
668-2050	**REQUIRES SPECIAL PROVISIONS** SEWER LATERAL 8"	EA	3
611-8050	**REQUIRES SPECIAL PROVISIONS** ADJUST MANHOLE TO GRADE	EA	5
660-3275	ABANDON MANHOLE	EA	3
610-1725	**REQUIRES SPECIAL PROVISIONS** REMOVE SANITARY SEWER PIPE 8"	LF	490
219-2000	CRUSHED AGGREGATE BASE	TON	304
660-1150	CUT & PLUG EXISTING SEWER MAIN	EA	2
660-3550	ROCK EXCAVATION **REQUIRES SPECIAL PROVISIONS**	CY	320

DETAILED ESTIMATE - DAVIS DRIVE @ MANSELL RD - BID ALTERNATE 1

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
680-4200	LIGHTING STD, 0 - 20 FT MH	EA	5
680-5245	LUMINAIRE BRACKET ARM, 2 FT	EA	5
682-1404	CABLE, TP XHHW, AWG NO 10	LF	2500
681-6200	LUMINAIRE, TYPE 2, LED	EA	5
210-0100	GRADING COMPLETE	LS	1
441-0104	CONC SIDEWALK, 4 IN	SY	950
700-9300	SOD	SY	400
702-0897	QUERCUS NUTTALLI -NUTTALL OAK, 4" CAL. B&B	EA	4
702-1081	ULMUS AMERICANA - AMERICAN ELM, 4" CAL. B&B	EA	8
702-9025	LANDSCAPE MULCH, 3" SHREDDED HARDWOOD MULCH	SY	400
702-0908	QUERCUS SHUMARDII - SHUMARD RED OAK, 4" CAL. B&B	EA	6
708-1000	PLANT TOPSOIL	CY	22
N/A	ROOT BARRIER	LF	720

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SUMMARY QUANTITIES
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 06-003

OPAL D ABBINK ET AL

SAM'S REAL ESTATE BUSINESS TRUST

COLE OB ALPHARETTA GA LLC

SAM'S REAL ESTATE BUSINESS TRUST

MANSELL ROAD

DAVIS DRIVE

TBM #3266
"X" SCRIBED
IN SIDEWALK
N=1469891.64
E=2251603.61
ELEV=990.01

BEGIN PROJECT
BEGIN MILL, OVERLAY,
&RE-STRIPING ONLY
STA 100+14.08
N 1469760.1612
E 2251612.7310

PI 100+00.00

100+00

101+00

102+00

103+00

104+00

LIMIT OF MILL & INLAY

REPAIR OR REPLACE LOOPS (6x40(x2) QUADRUPOLE) IF DAMAGED DURING CONSTRUCTION.

TIE TO EX. S/W & C/L +38. 50.5' LT

TIE TO EX. S/W & C/L +53. 40.0' LT

TIE TO EX. S/W & C/L +41. 58.0' RT

TIE TO EX. S/W & C/L +31. 74.0' RT

N 11°20'29.5" E

20.6'

32.9'

PC 101+09.54

PT 103+43.67

N 59°15'06.6" E

22.1'

23.3'

CURVE° 1

℄ OF CONST.

EXIST R/W

1/0UTA

3-1/0AXNJ

ANTW-900 (97)
ANTW-200 (98)

ANTW-60 (09)
SR-5BQ2MT-048 (12)

AT&T BSC6
24' BOC

AT&T HH
9'BOC

AT&T BSC6
14' BOC

GPC/35'

GPC/40'

GPC/ T#226588

GUARD RAIL

CONC

ASPHALT

WATER VAULT

IRRIGATION VAULT

MATCH LINE STA. 104+60
SEE SHEET 13-002

Curve° 1
PI Sta° 102+33.94
N° 1469975.73
E° 2251655.97
DELTA° 47°54'37.1" (RT)
D° 20°27'46.00"
T° 124.40
L° 234.13
R° 280.00
E° 26.39
e° N/A
Curve° 1 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

NOTE:
1. ONLY SIGNING AND MARKING INSTALLATION AND MILL & OVERLAY ARE PROPOSED FROM PROJECT BEGINNING TO STA. 111+50.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

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SCALE IN FEET
0 20 40 80

REVISION DATES

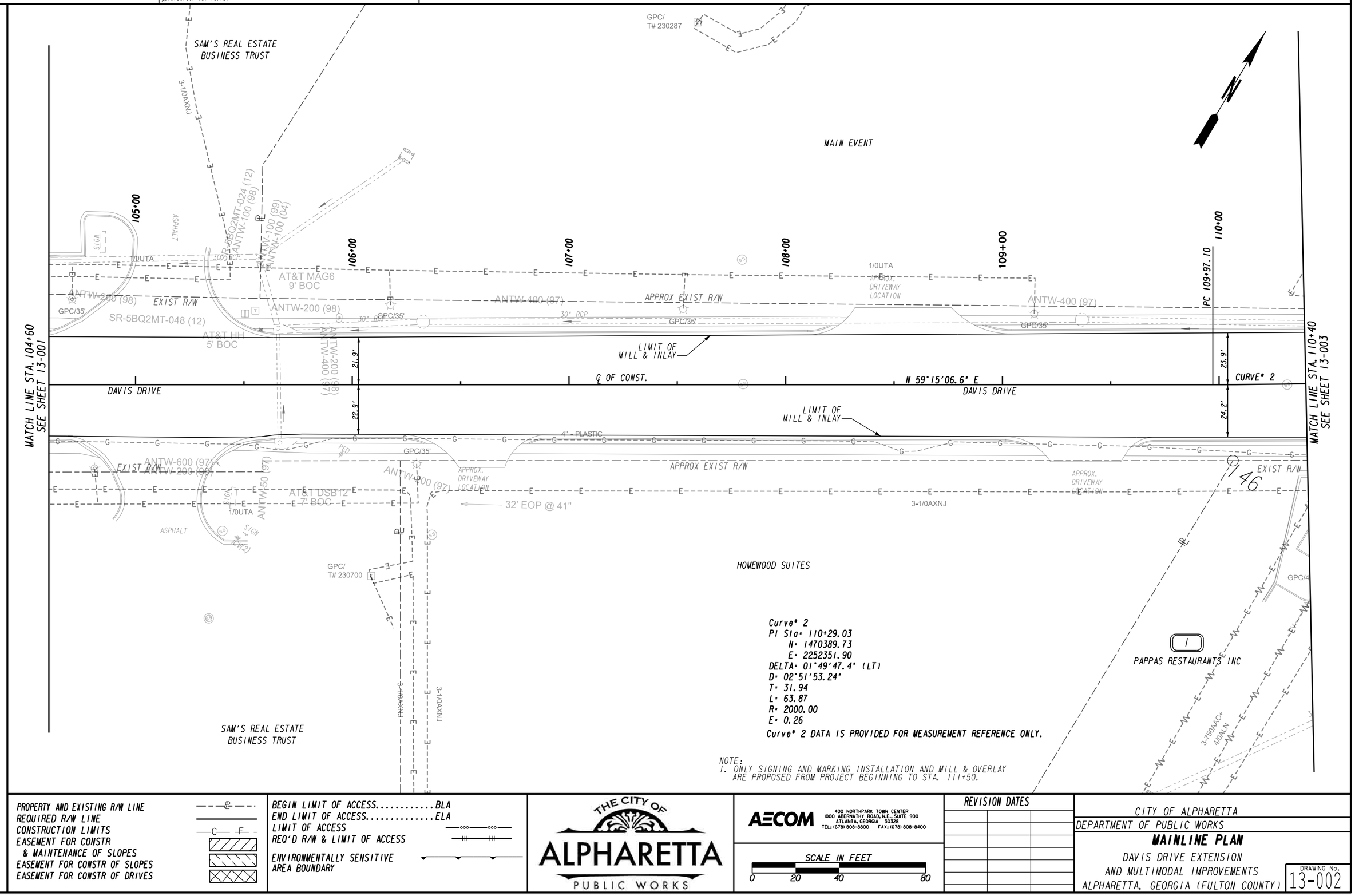
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

MAINLINE PLAN

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 13-001

01/26/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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MAINLINE PLAN

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 13-002

MAIN EVENT

BEGIN CONSTRUCTION WITH FULL DEPTH ASPHALT CONSTRUCTION
END MILL, OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470454.8663
E 2252453.8330

2 ALPHARETTA FAMILY SKATE CENTER

Curve* 3
PI Sta* 114+24.36
N* 1470602.59
E* 2252685.02
DELTA* 16°54'16.8" (RT)
D* 08°18'13.45"
T* 102.53
L* 203.58
R* 690.00
E* 7.58
e* 2.6%

MATCH LINE STA. 110+40
SEE SHEET 13-002

PT 110+60.97

111+00 112+00 113+00 114+00 115+00

EXIST R/W REQD R/W

EX. NO THRU TRAFFIC SIGN

WATER LIMIT OF MILL & INLAY

N 57°25'19.2" E ℄ OF CONST.
DAVIS DRIVE

TIE TO EXISTING CURB & GUTTER & SIDEWALK

TIE TO EXISTING CURB & GUTTER

PROPOSED STORMCEPTOR MODEL STC-4501

ST-1 A-1 A-2 A-3

TP D

CONC MSE WALL

DWESMT

REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)

REMOVE EXISTING STRUCTURES A-1 AND A-2. REMOVE PIPES UPSTREAM OF STRUCTURE ST-1.

AT&T BOXES DO NOT DISTURB

ASPHALT

SWCB TOP=1062.65 OUT=1058.17 12" CMP

SWCB TOP=1064.70 OUT=1058.88/ 18" CMP

SWCB TOP=1071.04 IN=1061.54 OUT=1061.44

SWCB TOP=1058.08/18" CMP OUT=1057.98/24" CMP

CB TOP=1060.97 IN(A)=1055.07X24" CMP IN(B)=1055.07X24" CMP OUT=1055.37

DI TOP=1066.60 OUT=1060.87 24" CMP

18" CMP

1/0UTA

GPC/35' GPC/100'

6' SIDEWALK 8' SIDEWALK

CURVE* 3

RC 2.0% ENC 2.0% FLAT 0.0% BFS 2.6% NC 2.0% EFS 2.6%

DO NOT DISTURB

END CONCRETE DRIVEWAY BEGIN CONCRETE PAVEMENT

PROPOSED: 3. 4" NON-METAL CONDUIT

PC 113+21.82

INSTALL DOWEL BARS AND CONSTRUCT EXPANSION JOINT AT SEAM BETWEEN EXISTING AND NEW CONCRETE PAVEMENT PER GDOT STD 5046H. MATCH EXISTING PARKING LOT LAYOUT OF EXPANSION AND CONTRACTION JOINTS.

EXISTING CONCRETE PARKING LOT

BEGIN SIDEWALK TURN-DOWN WALL *1 W/ HANDRAIL STA 115+15

DO NOT DISTURB EX. C&G

N 74°19'36.1" E DAVIS DRIVE

MATCH LINE STA. 115+80
SEE SHEET 13-004

PT 115+25.40

3 ROCK MILL 400 LP

1 PAPPAS RESTAURANTS INC

LEGEND

PROPOSED CONCRETE PAVEMENT

REMOVE EXISTING PAVEMENT, CURB & GUTTER, AND SIDEWALK AND GRADE AREA TO DRAIN TO NEW CURB LINE

LOD LOD LIMIT OF DISTURBANCE

NOTES:
1. ONLY SIGNING AND MARKING INSTALLATION AND MILL & OVERLAY ARE PROPOSED FROM PROJECT BEGINNING TO STA. 111+50.
2. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.

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

BEGIN LIMIT OF ACCESS.....BLA
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SCALE IN FEET
0 20 40 80

REVISION DATES

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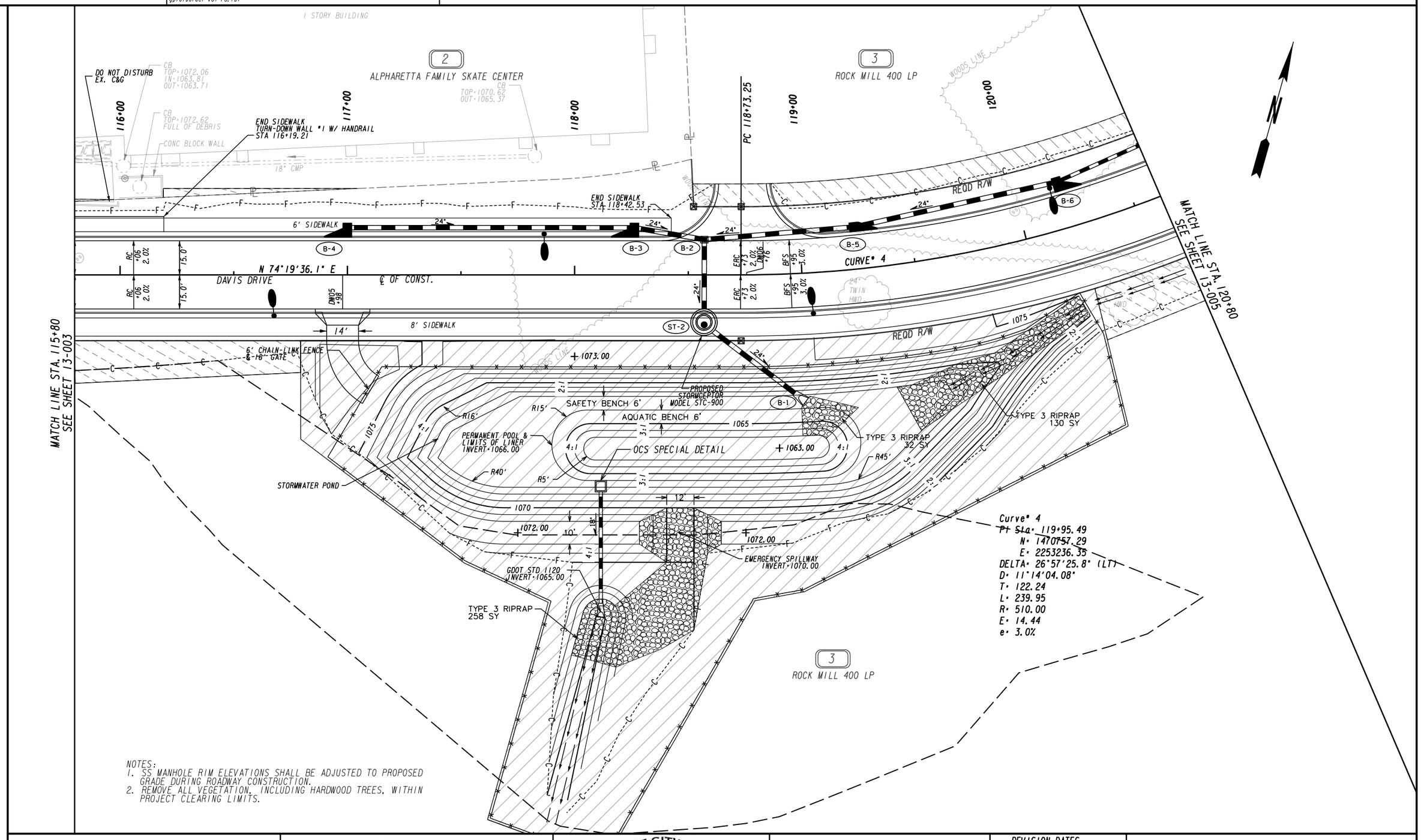
DEPARTMENT OF PUBLIC WORKS

MAINLINE PLAN

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 13-003

01/26/2015 GPLN



NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
2. REMOVE ALL VEGETATION, INCLUDING HARDWOOD TREES, WITHIN PROJECT CLEARING LIMITS.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
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MAINLINE PLAN

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 13-004

Curve° 5
PI Sta° 124+45.57
N° 1471065.18
E° 2253570.82
DELTA° 88°24'23.9" (LT)
D° 28°56'14.14"
T° 192.57
L° 305.51
R° 198.00
E° 78.20
e° 4.0%

3
ROCK MILL 400 LP

MATCH LINE STA. 124+80
SEE SHEET 13-006

MATCH LINE STA. 120+80
SEE SHEET 13-004

PC 122+53.00
PT 121+13.20
121+00
122+00
123+00
124+00

WOODS LINE
REQD R/W
18"
B-7
B-8
B-9
CURVE° 5
℄ OF CONST.
N 47°22'10.3" E
DAVIS DRIVE
8' SIDEWALK
EFS +92 3.0%
RC +13 2.0%
15.0'
RC +39 2.0%
BFS +82 4.0%
SWCB
TOP=1069.09
OUT=1063.69
18" RCP
EXIST R/W
REMOVE
D-1
D-1.1
D-2
D-3
R25'
R57'
R50'
DO NOT DISTURB EX. LIGHT
DO NOT DISTURB EX. C&G
TIE TO EX. C&G +50.100'
RETAIN EX. PIPE
TIE TO EX. C&G +37.113'
ASPHALT
DO NOT DISTURB
WEIR
TOP=1068.46
INV=1067.35
AT THROAT
IN=1059.96
4
30 WEST PERSHING LLC
EXISTING TOP OF MSE WALL
DIRT
EXISTING DIRT TRAIL
18" TWIN HWD
16" TWIN HWD
12'X5' CLUSTER OF TREES
ESA BOUNDARY

END 2' FB CONC DITCH
STA. 124+12.00

REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)

END 2' FB DITCH
BEGIN 2' FB CONC DITCH
STA. 123+50.00

Curve° 4
PI Sta° 119+95.49
N° 1470757.29
E° 2253236.35
DELTA° 26°57'25.8" (LT)
D° 11°14'04.08"
T° 122.24
L° 239.95
R° 510.00
E° 14.44
e° 3.0%

NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.

LEGEND

REMOVE EXISTING PAVEMENT, CURB & GUTTER, AND SIDEWALK AND GRADE AREA TO DRAIN

LOD LOD LIMIT OF DISTURBANCE

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

MAINLINE PLAN

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 13-005

01/26/2015 GPLN

LEGEND

REMOVE EXISTING PAVEMENT, CURB & GUTTER, AND SIDEWALK

NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.

Curve 5
PI Sta: 124+45.57
N: 1471065.18
E: 2253570.82
DELTA: 88°24'23.9" (LT)
D: 28°56'14.14"
T: 192.57
L: 305.51
R: 198.00
E: 78.20
e: 4.0%

3
ROCK MILL 400 LP

4
30 WEST PERSHING LLC

MATCH LINE STA. 124+80
SEE SHEET 13-005

PT 125+58.51

125+00 126+00 127+00 128+00 129+00 129+50

DAVIS DRIVE
℄ OF CONST.
N 41°02'13.7" W

REQD R/W
EXIST R/W
24'
18'
REMOVE EX. NO PARKING SIGN
WOODS LINE
ST-3
PROPOSED STORMCEPTOR MODEL STC-4501
TIE TO EX. C&G +14. 4. 55.0'
END CONSTRUCTION WITH FULL DEPTH ASPHALT TO MATCH EXISTING GRADE
STA 128+15.63
N 1471404.3689
E 2253275.5846
END PROJECT
END CONSTRUCTION
STA 128+33.35
N 1471417.7308
E 2253263.9541
SANCTUARY PARK REALTY HOLDING COMPANY
WESTSIDE PARKWAY
SANCTUARY PARKWAY
EX. R5-1
EX. R4-7
TP B
TP D
C-1
C-1.1
C-2
C-3
RETAIN
REMOVE EX. R4-7
ASPHALT
TBM #3267
"X" SCRIBED IN CONCRETE
N-1471378.52
E-2253304.74
ELEV-1066.00
EXIST CONC APRON TO BE REPLACED WITH FULL DEPTH ASPHALT TO MATCH EXISTING GRADE
REPAIR OR REPLACE LOOPS (6x40(x2) QUADRUPOLE) IF DAMAGED DURING CONSTRUCTION.
RETROFIT TO MANHOLE ADJUST TOGRADE
DO NOT DISTURB
RETROFIT EXISTING BOX TO INCORPORATE PROPOSED BOX RETAIN EXISTING PIPE
DO NOT DISTURB EX. C&G
DO NOT DISTURB EX. LIGHT
TIE TO EX. C&G +82. 76.75'
TIE TO EX. C&G +48. 63.5'
BEGIN GRAVITY WALL TYPE A
STA 125+04.00 OFF 36.10' RT
BEGIN HANDRAIL
END GRAVITY WALL TYPE A
STA 125+48.00 OFF 40.78' LT
END HANDRAIL
SWCB TOP-1061.14 OUT-1056.39
JB TOP-1066.29 IN-1059.69 OUT-1059.54
SWCB TOP-1065.7 IN-1060.9 OUT-1060.4
TOP-1066.10 OUT-1060.50 18" RCP

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

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SCALE IN FEET
0 20 40 80

REVISION DATES

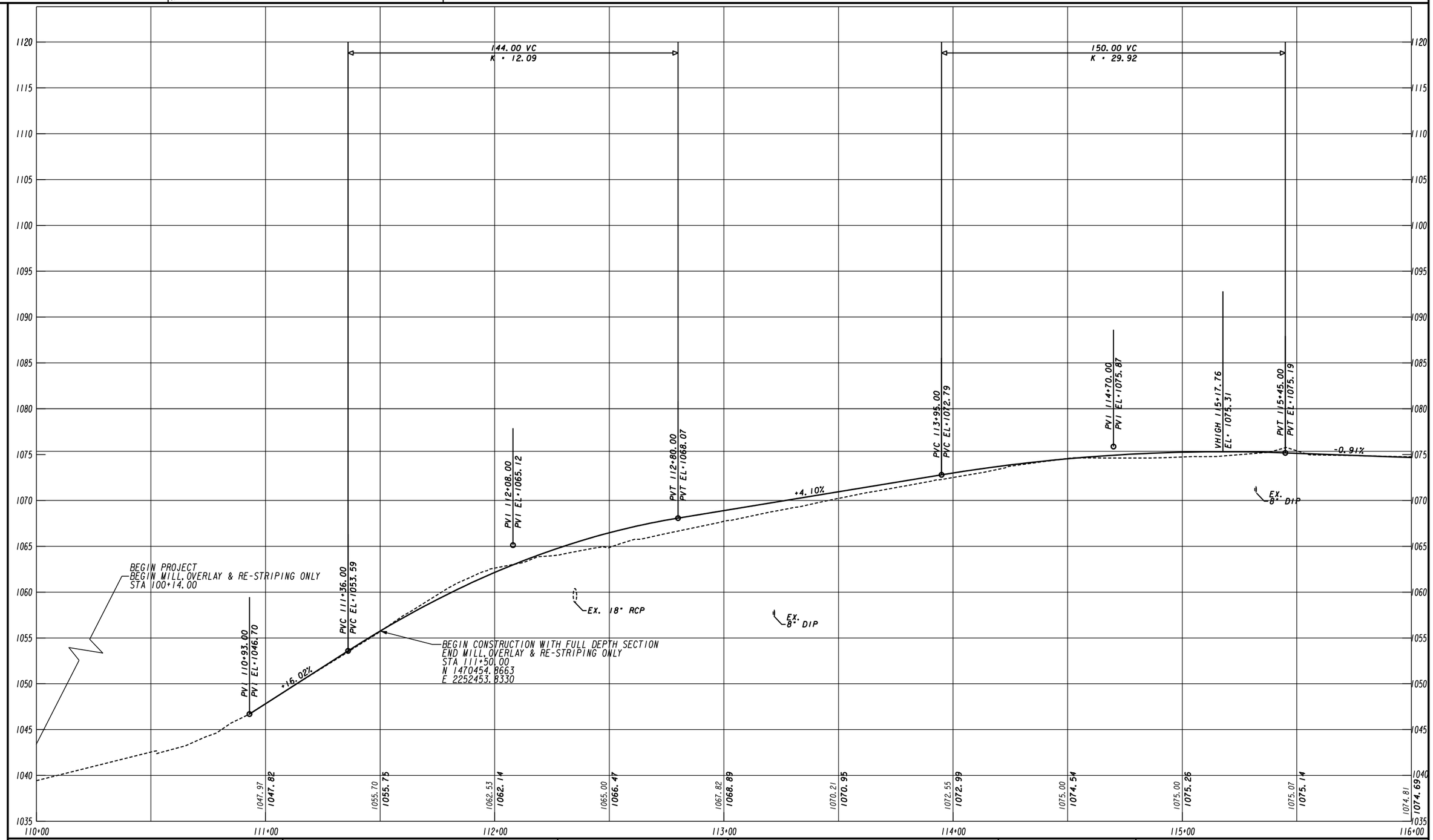
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

MAINLINE PLAN

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 13-006

01/26/2015 GPLN



THE CITY OF ALPHARETTA PUBLIC WORKS

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1360 W PEACHTREE ST N.E., SUITE 500
ATLANTA, GEORGIA 30309
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET:
1"=20' HORIZ
1"=5' VERT

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

MAINLINE PROFILE

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 15-001

12/14/2012 GPLN

6/10/2020 9:09:08 AM
Jonathan.lafleche

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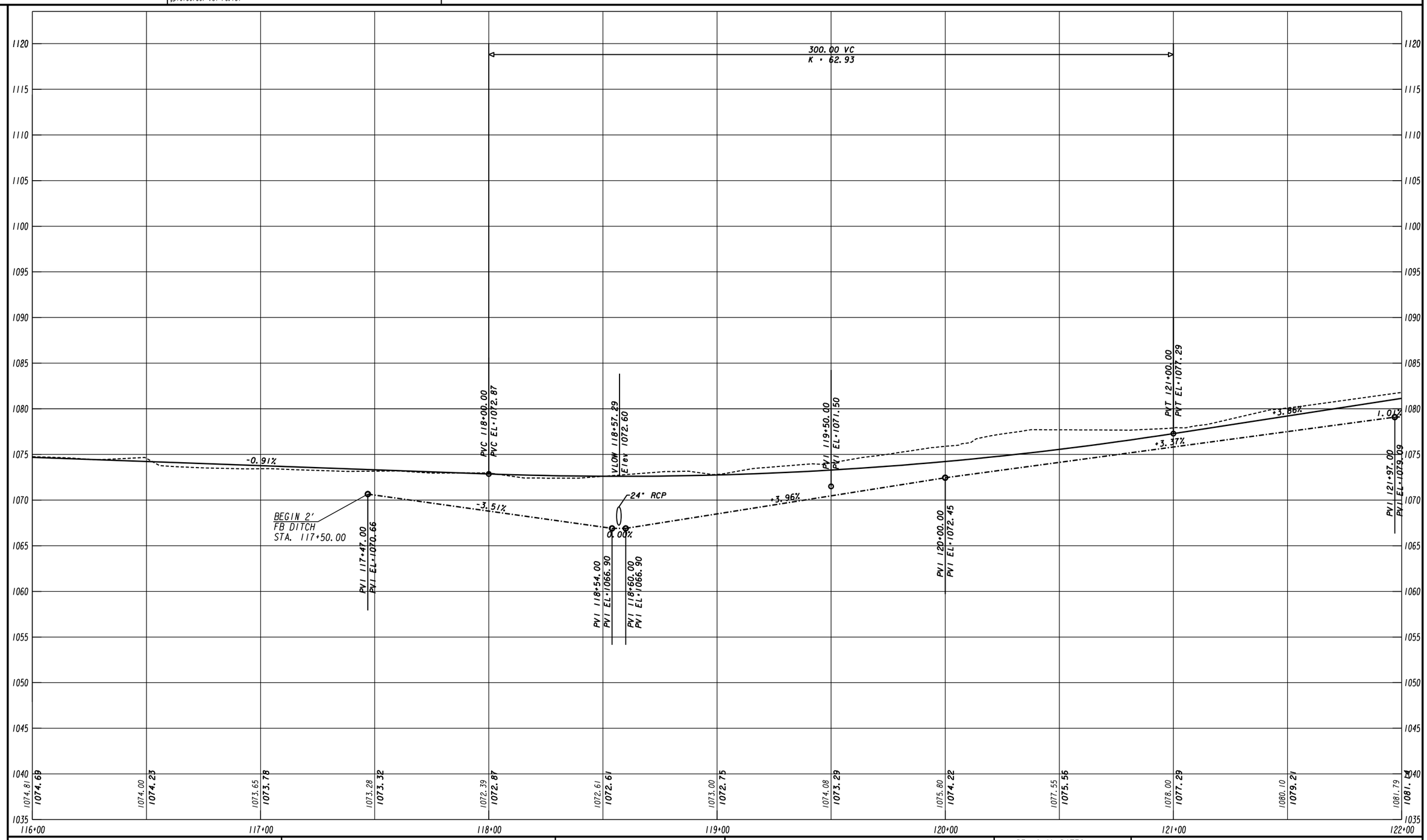

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SCALE IN FEET:
1"=20' HORIZ
1"=5' VERT

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

MAINLINE PROFILE

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No.
15-002

12/14/2012 GPLN

200.00 VC
K = 18.18

160.00 VC
K = 26.28

60.00 VC
K = 27.05

PVC 122+20.00
PVC EL=1081.91

VHIGH 122+90.10
EL=1083.27

PVI 123+20.00
PVI EL=1085.77

PVT 124+20.00
PVT EL=1078.62

PVC 124+45.00
PVC EL=1076.84

-3.86%

+1.01%

-4.12%

-5.30%

-7.15%

-3.80%

-1.06%

-3.28%

END 2' FB DITCH
BEGIN 2' FB CONC DITCH
STA. 123+50.00

PVI 123+50.00
PVI EL=1080.64

PVI 123+79.00
PVI EL=1079.48

PVI 123+95.00
PVI EL=1071.00

PVI 124+00.00
PVI EL=1068.72

PVI 124+12.00
PVI EL=1068.26

PVI 125+25.00
PVI EL=1071.12

PVT 126+05.00
PVT EL=1070.27

PVC 126+18.00
PVC EL=1070.14

PVI 126+48.00
PVI EL=1069.82

PVT 126+78.00
PVT EL=1068.84

EX. 8" DIP

EX. RCP 18"

1081.79 1081.14
1083.95 1082.82
1085.77 1083.24
1086.04 1082.28
1086.10 1079.94
1077.68 1076.48
1071.18 1073.48
1071.00 1071.43
1071.00 1070.33
1069.78 1069.61
1068.00 1068.12
1066.00 1066.48
1065.00 1064.84

1125 1120 1115 1110 1105 1100 1095 1090 1085 1080 1075 1070 1065 1060 1055 1050 1045 1040

122+00 123+00 124+00 125+00 126+00 127+00 128+00

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SCALE IN FEET:
1"=20' HORIZ
1"=5' VERT

REVISION DATES

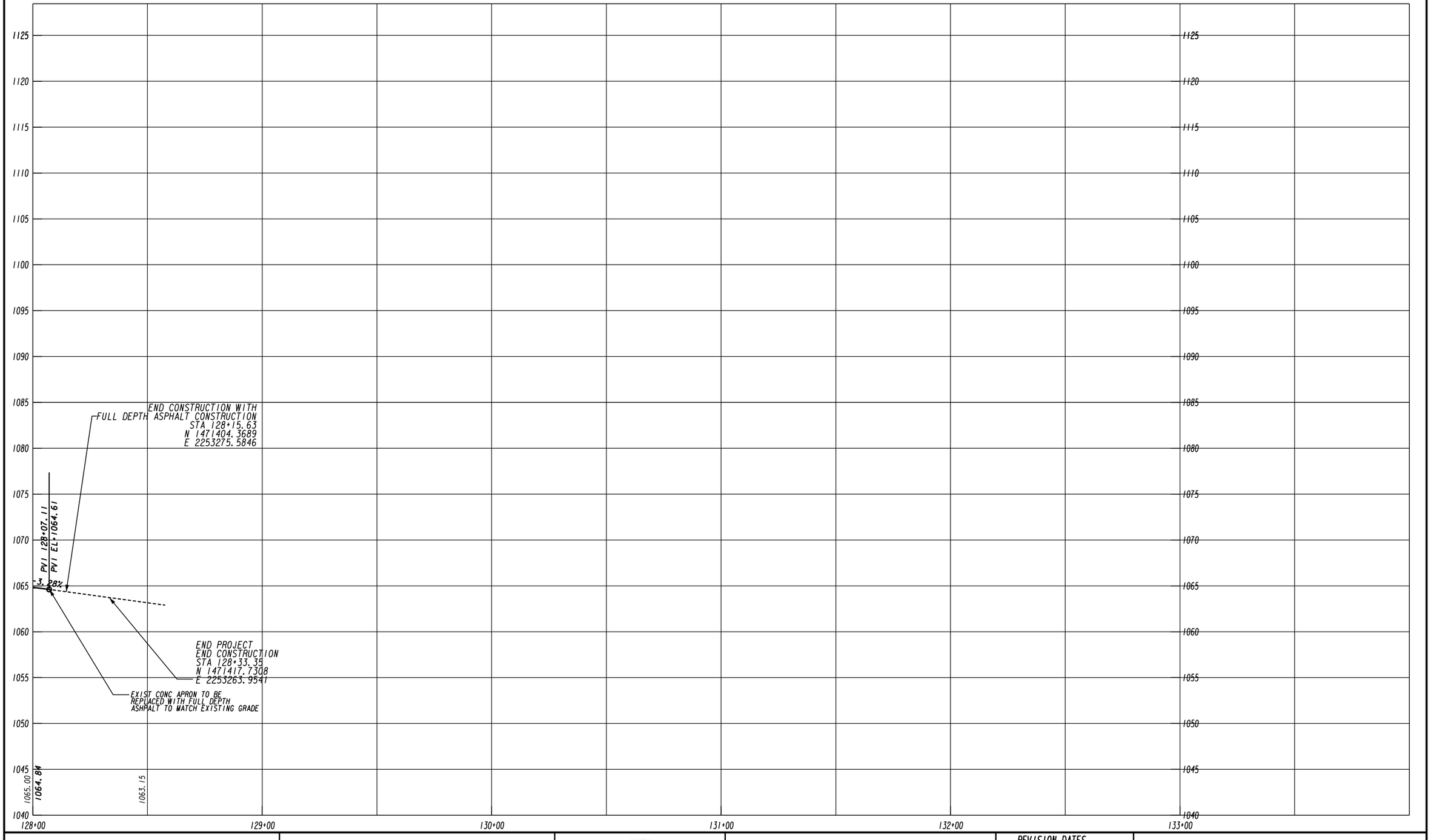
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

MAINLINE PROFILE

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 15-003

12/14/2012 GPLN



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SCALE IN FEET:
1"=20' HORIZ
1"=5' VERT

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

MAINLINE PROFILE

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 15-004

12/14/2012 GPLN

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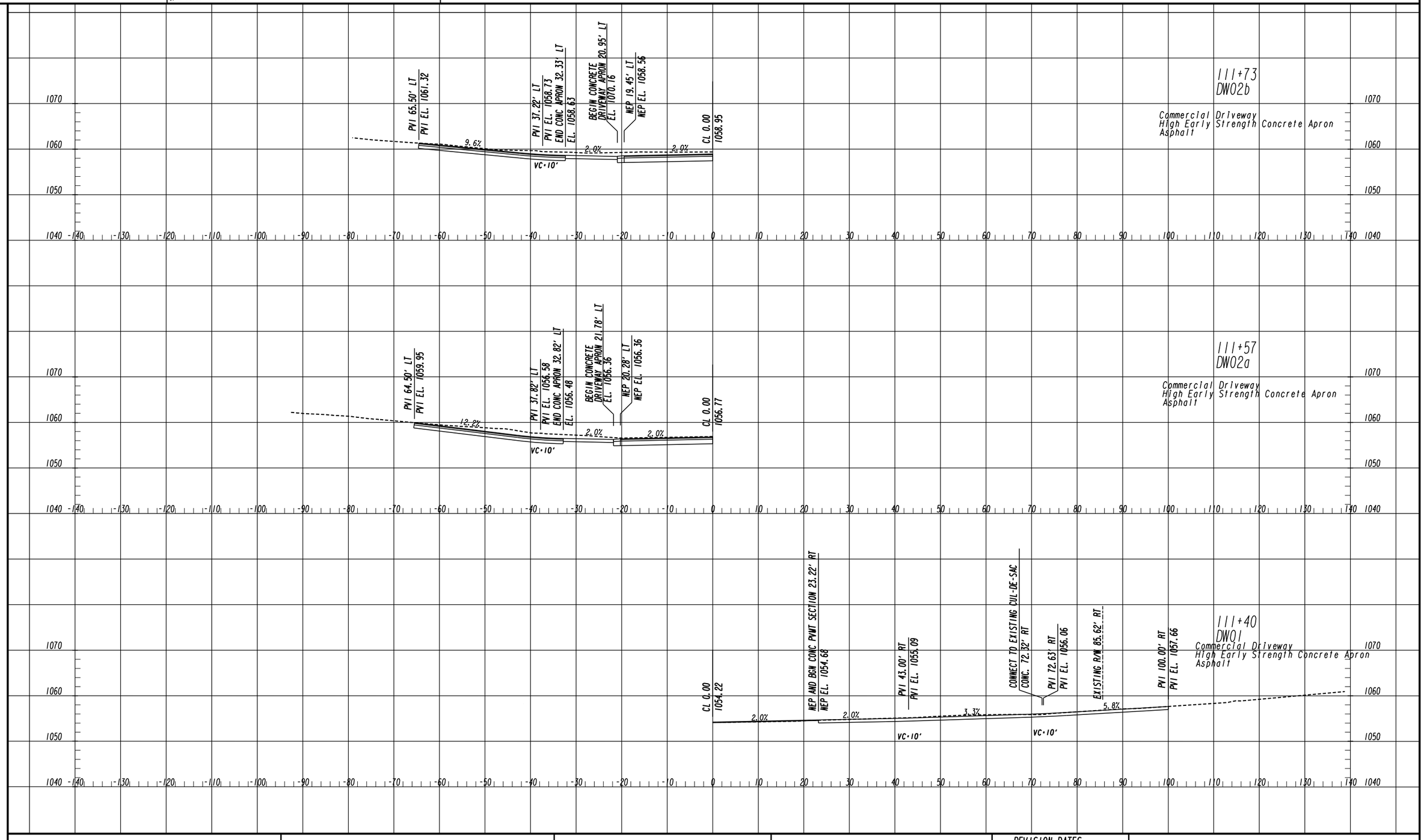

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1000 ABERNATHY ROAD, N.E., SUITE 900
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TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 10 20 40

REVISION DATES

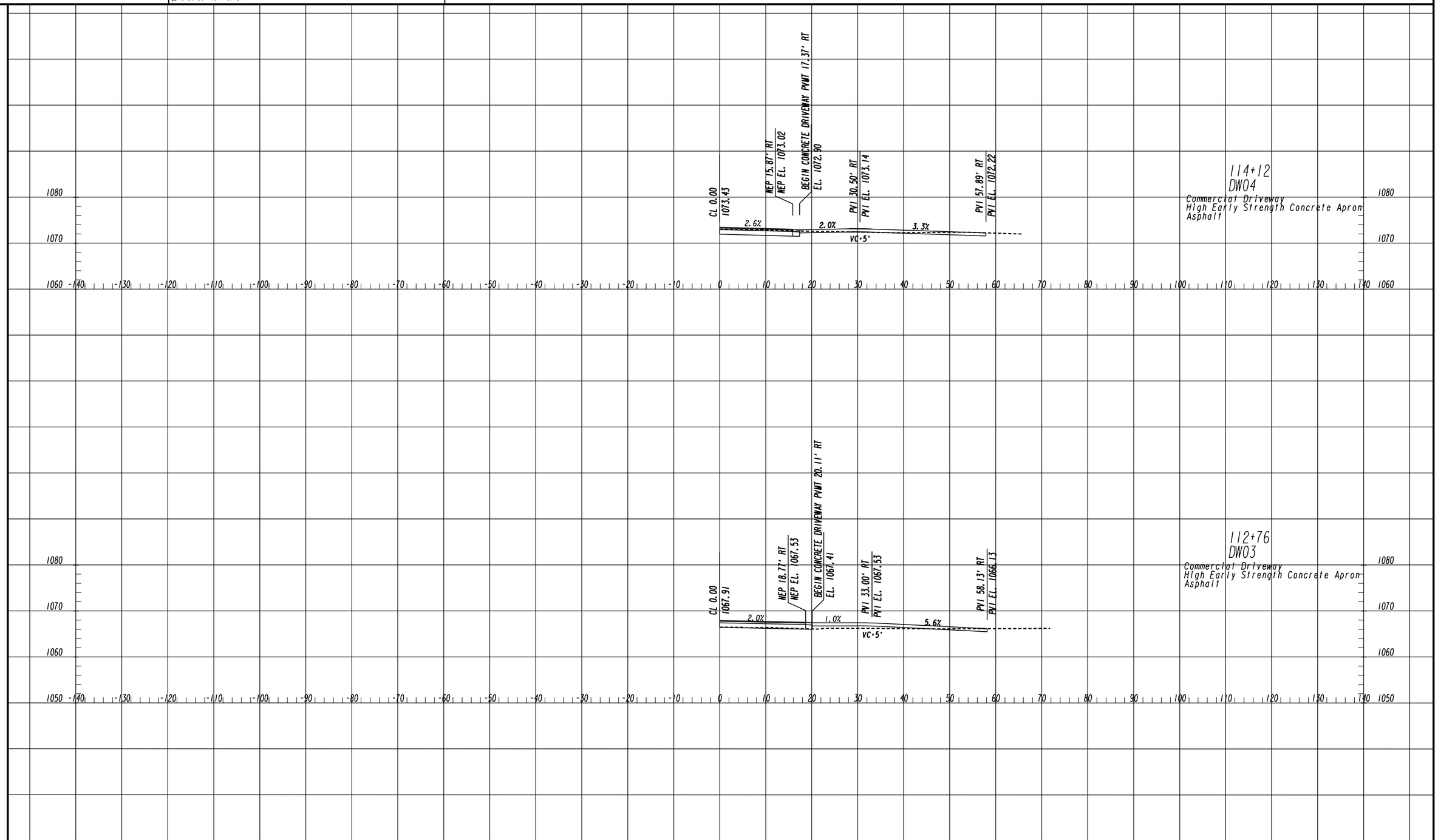
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

DRIVEWAY PROFILES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 17-001

06/18/14 SUXSEW



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SCALE IN FEET
0 10 20 40

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

DRIVEWAY PROFILES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 17-002

06/18/14 SUXSEW

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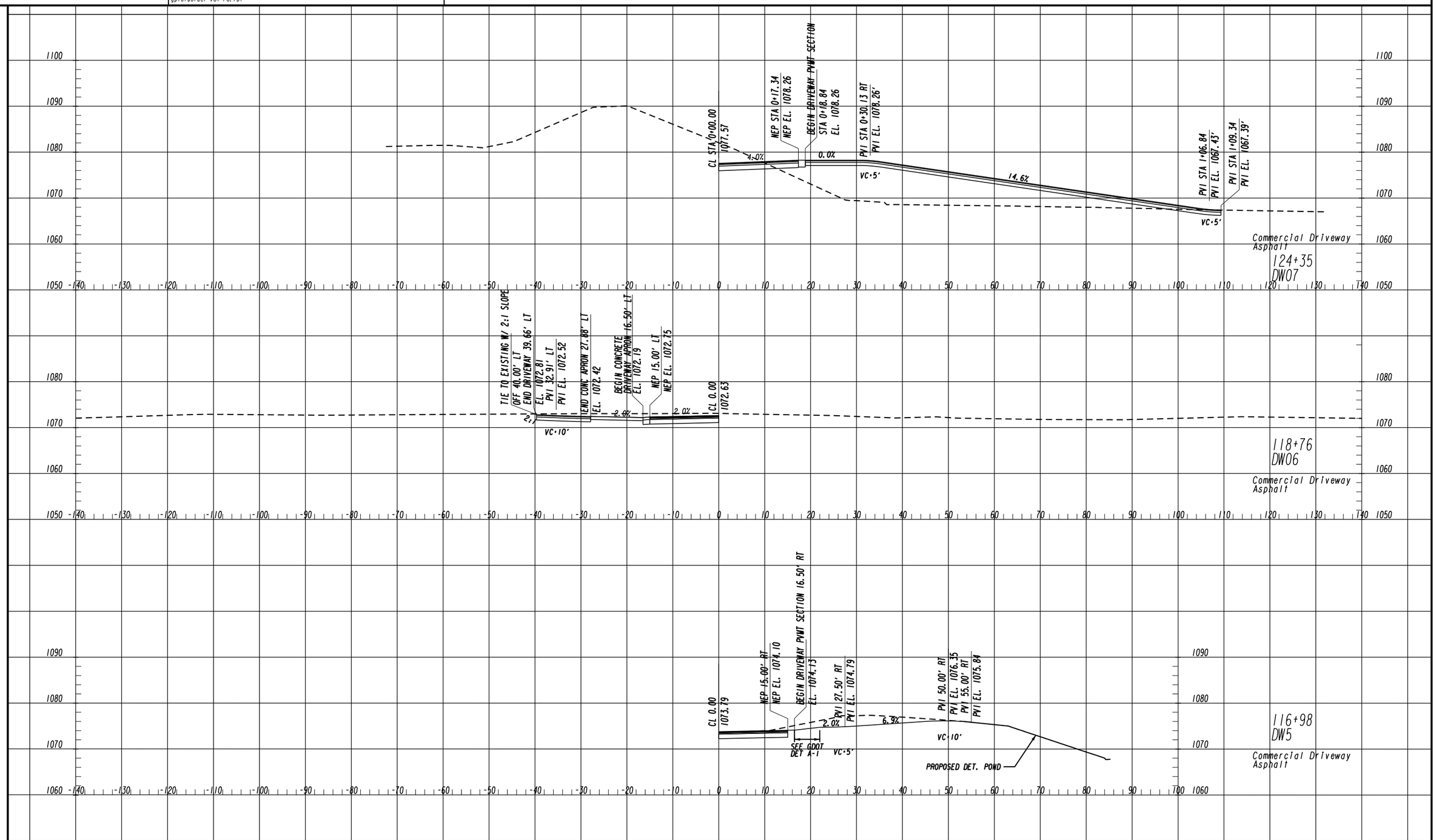

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SCALE IN FEET
0 10 20 40

REVISION DATES

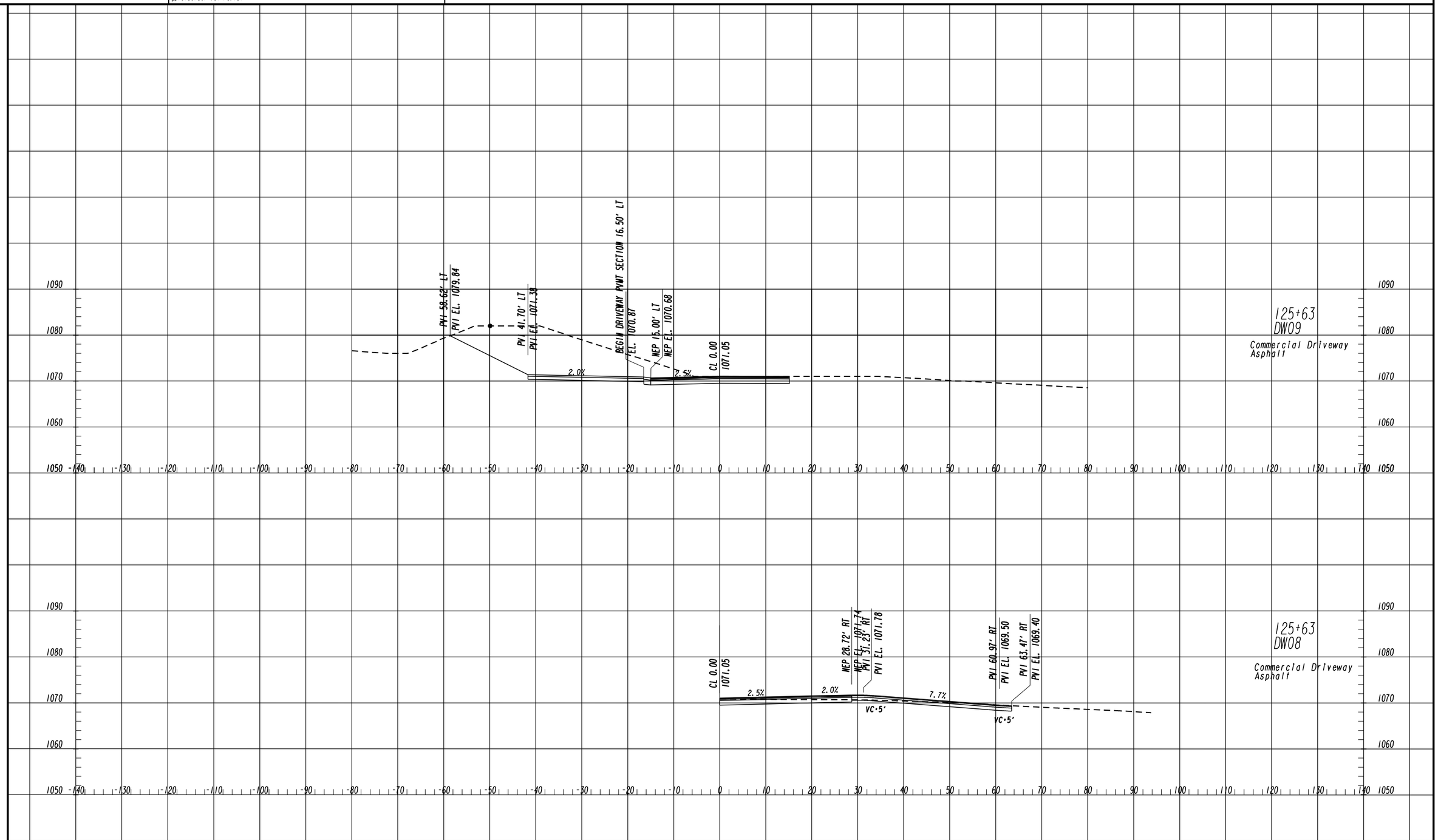
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

DRIVEWAY PROFILES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 17-003

06/18/14 SUXSEW



THE CITY OF
ALPHARETTA
PUBLIC WORKS

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ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 10 20 40

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

DRIVEWAY PROFILES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 17-004

06/18/14 SUXSEW

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william.scherer

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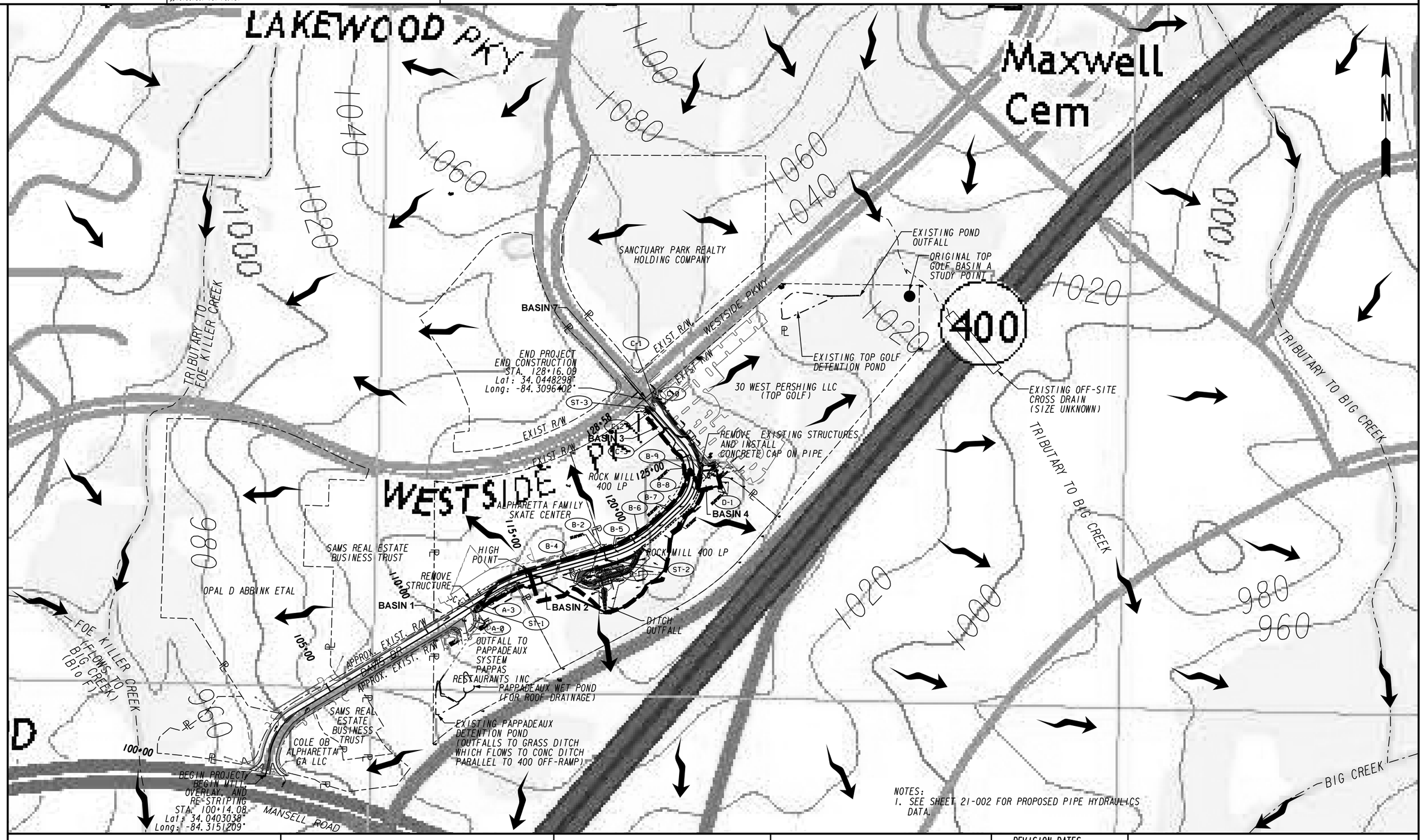

NOTES:
1. SEE SHEET 21-002 FOR PROPOSED PIPE HYDRAULICS DATA.

FLOW ARROW

A-1 STORM DRAIN STRUCTURE ID

DRAINAGE AREA BOUNDARY

TOTAL DISTURBED AREA = 3.54 ACRES
TOTAL PROJECT AREA = 6.96 ACRES

THERE ARE NO CROSS DRAINS WITHIN THE PROJECT LIMITS. SEE SHEET 53-002 AND 53-003 FOR A LARGER SCALE MAP WHICH SHOWS MORE DETAILED DRAINAGE BASINS AND BASIN OUTFALL DATA.

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SCALE IN FEET
0 200 400 800

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

DRAINAGE AREA MAP

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 21-001

01/26/2015 GPLN

PROPOSED PIPE HYDRAULICS DATA (25 YR DESIGN STORM AND 100 YR CHECK STORM)

Upstream Structure ID	Upstream Structure Station	Upstream Structure Offset to EOP (ft)	Upstream Structure Rim Elevation (ft)	Downstream Structure ID	Upstream Inv (ft)	Downstream Inv (ft)	Pipe Diameter (in)	Pipe Length (ft)	Slope (%)	Upstream Inlet C	Upstream Inlet Area (acres)	Cumulative Upstream Area (acres)	25 YR Design Storm Flow (cfs)	100 YR Check Storm Flow (cfs)	Pipe Capacity (cfs)	% of Flow Capacity	25 YR Design Storm Velocity (ft/s)	100 YR Check Storm Velocity (ft/s)	25 YR Hydraulic Grade Line In (ft)	25 YR Hydraulic Grade Line Out (ft)	Pipe Material	Manning's n
A-3	112+70.00	22.25 RT	1067.62	ST-1	1063.29	1060.94	18	36	6.53%	0.95	0.292	0.292	2.652	3.304	26.732	9.92	9.654	10.281	1063.91	1061.27	RCP	0.013
ST-1	112+33.50	23.10 RT	1065.27	-	1058.58	1058.08	EX. 18	32	1.57%	0.95	0.022	0.314	2.843	3.561	13.166	21.59	5.937	6.330	1059.22	1058.56	RCP	0.013
B-9	124+30.00	18.50 LT	1077.68	B-8	1073.35	1072.72	18	63	1.00%	0.95	0.068	0.068	0.614	0.77	10.493	5.85	3.242	3.468	1073.64	1073.34	RCP	0.013
B-8	123+60.00	18.50 LT	1081.7	B-7	1072.72	1071.44	18	128	1.00%	0.95	0.080	0.148	1.318	1.655	10.506	12.54	4.061	4.337	1073.15	1072.18	RCP	0.013
B-7	122+20.00	18.50 LT	1081.99	B-6	1071.44	1069.48	18	196	1.00%	0.95	0.074	0.222	1.920	2.419	10.496	18.3	4.522	4.828	1071.96	1070.62	RCP	0.013
B-6	120+20.00	18.50 LT	1074.63	B-5	1069.48	1068.18	18	130	1.00%	0.95	0.268	0.490	4.067	5.143	10.515	38.68	5.567	5.92	1070.25	1069.25	RCP	0.013
B-5	118+85.00	18.50 LT	1072.66	B-4	1068.18	1067.90	18	28	1.00%	0.95	0.201	0.691	3.975	7.101	10.584	37.55	5.563	4.018	1068.94	1069.03	RCP	0.013
B-4	117+00.00	18.50 LT	1073.85	B-3	1069.52	1068.22	18	130	1.00%	0.95	0.277	0.277	1.249	3.155	10.504	11.89	4.001	5.198	1069.94	1069.1	RCP	0.013
B-3	118+30.00	18.50 LT	1071.74	B-2	1068.22	1067.95	18	27	1.19%	0.95	0.180	0.457	1.213	5.092	10.504	11.54	3.963	2.882	1069.09	1069.09	RCP	0.013
B-2	118+57.00	18.50 LT	1072.68	ST-2	1067.40	1067.01	24	39	1.00%	0.95	0.074	1.222	8.344	12.479	22.518	37.05	6.633	7.352	1068.43	1068.43	RCP	0.013
ST-2	118+57.00	22.00 RT	1073.59	B-1	1067.01	1066.85	24	16	1.00%	0.95	N/A	1.222	8.299	12.413	22.727	36.49	6.67	7.394	1068.04	1067.74	RCP	0.013
B-1	118+57.00	35.80 RT	1069.23	-	1066.85	-	-	-	-	N/A	N/A	N/A	-	-	-	-	-		-	-	-	-
C-3	126+60.00	18.50 LT	1069.44	C-2	1065.11	1061.96	18	98	3.21%	0.95	0.382	0.382	3.464	4.294	18.832	18.39	8.125	8.628	1,065.82	1,063.12	RCP	0.013
C-2	127+58.00	18.50 LT	1066.29	ST-3	1061.96	1060.90	18	20	5.24%	0.95	0.097	0.479	4.301	5.403	24.055	17.88	10.292	10.981	1,062.76	1,062.28	RCP	0.013
ST-3	127+78.00	16.50 LT	1065.26	C-1	1060.90	1060.51	EX. 18	78	0.50%	0.95	0.016	0.495	4.432	5.564	7.421	59.72	4.385	3.149	1,062.09	1,062.00	RCP	0.013
C-1	127+86.76	32.28 RT	1065.21	-	1060.41	-	EX. 18	19	3.74%	0.95	0.153	0.648	5.706	7.125	20.322	28.08	9.872	10.486	1,061.33	1,060.30	RCP	0.013

POND HYDROLOGY NOTES:

1. THE DRAINAGE AREA FROM DAVIS DRIVE THAT IS FLOWING THROUGH THE PAPPADEAUX CLOSED PIPE SYSTEM IS NOT BEING INCREASED AS A RESULT OF THIS PROJECT. THEREFORE, IMPACTS TO THE DETENTION FACILITY ON THE PAPPADEAUX SITE WERE NOT MODELED.
2. OUTFALL #4 ON DRAWINGS 21-001, MS4-006 AND MS4-012 INCLUDES THE ADDITIONAL DRAINAGE AREA THAT WILL FLOW TO THE TOPGOLF BASIN A STUDY POINT IN THE POST-CONSTRUCTION CONDITION. REFER TO THE ORIGINAL TOPGOLF HYDROLOGY STUDY PREPARED BY OTHERS FOR ORIGINAL DELINEATION OF BASIN A.

PRE AND POST-DEVELOPED BASIN SUMMARY CHART - TOPGOLF BASIN A OUTFALL 3 & 4

RETURN PERIOD (YEAR)	TOTAL PRE-DEVELOPED RELEASE RATES TO STUDY POINT A (CFS) (HYDROGRAPH 1)	TOTAL POST-DEVELOPED RELEASE RATES TO STUDY POINT A (CFS) (HYDROGRAPH 6)	TOTAL POST-ROADWAY IMPROVEMENTS RELEASE RATES TO STUDY POINT A (CFS) (HYDROGRAPH 16)
1	2.614	1.388	1.424
2	5.550	2.626	3.010
5	13.63	8.296	9.408
10	21.00	15.33	17.07
25	32.00	26.41	28.45
50	40.91	34.47	36.93
100	47.11	40.09	43.87

PRE AND POST-ROADWAY IMPROVEMENTS POND ELEV FOR 25-YEAR & 100-YEAR STORMS TOPGOLF BASIN A OUFALL 3 & 4

	EXISTING DETENTION POND A	POST-ROADWAY IMPROVEMENTS DETENTION POND A
25-YEAR STORM ELEVATION (FT	1024.15	1024.28
25-YEAR STORM VOLUME (CUFT)	112,322	115,836
100-YEAR STORM ELEVATION (FT)	1024.93	1025.08
100-YEAR STORM VOLUME (CUFT)	133,793	137,735

PRE AND POST-ROADWAY IMPROVEMENTS - DOWNSTREAM ANALYSIS TOPGOLF SITE OUTFALL 3 & 4

RETURN PERIOD (YEAR)	PRE-DEVELOPED DOWNSTREAM POINT (CFS) (HYDROGRAPH 9)	POST-DEVELOPED DOWNSTREAM POINT (CFS) (HYDROGRAPH 12)	POST-ROADWAY IMPROVEMENTS (CFS) (HYDROGRAPH 21)
1	304.2	303.9	303.0
2	392.5	386.7	385.5
5	579.2	560.3	558.7
10	724.8	696.3	694.5
25	923.2	884.1	882.5
50	1074.1	1029.0	1027.6
100	1175.3	1127.2	1125.8

PRE AND POST-DEVELOPED BASIN SUMMARY CHART - OUTFALL 2

RETURN PERIOD (YEAR)	PRE-DEVELOPED RELEASE RATES (CFS) (HYDROGRAPH 1)	POST-DEVELOPED RELEASE RATES (CFS) (HYDROGRAPH 2)
1	1.953	8.301
2	2.601	10.32
5	3.781	13.87
10	4.861	17.02
25	6.476	21.59
50	7.812	25.27
100	9.226	29.12

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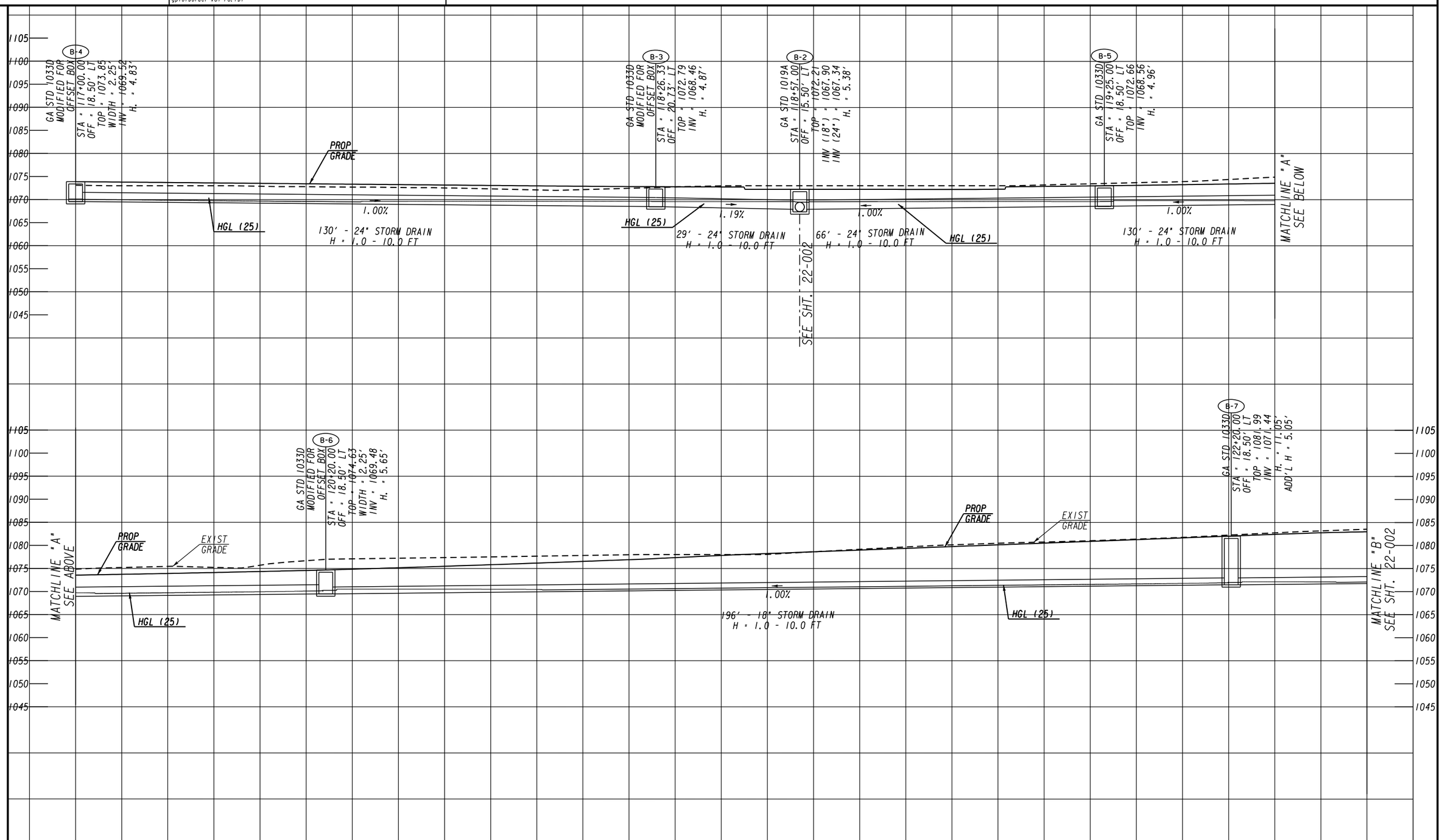
REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

DRAINAGE AREA MAP

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 21-002



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SCALE IN FEET:
1"=20' HORIZ
1"=10' VERT

REVISION DATES

CITY OF ALPHARETTA
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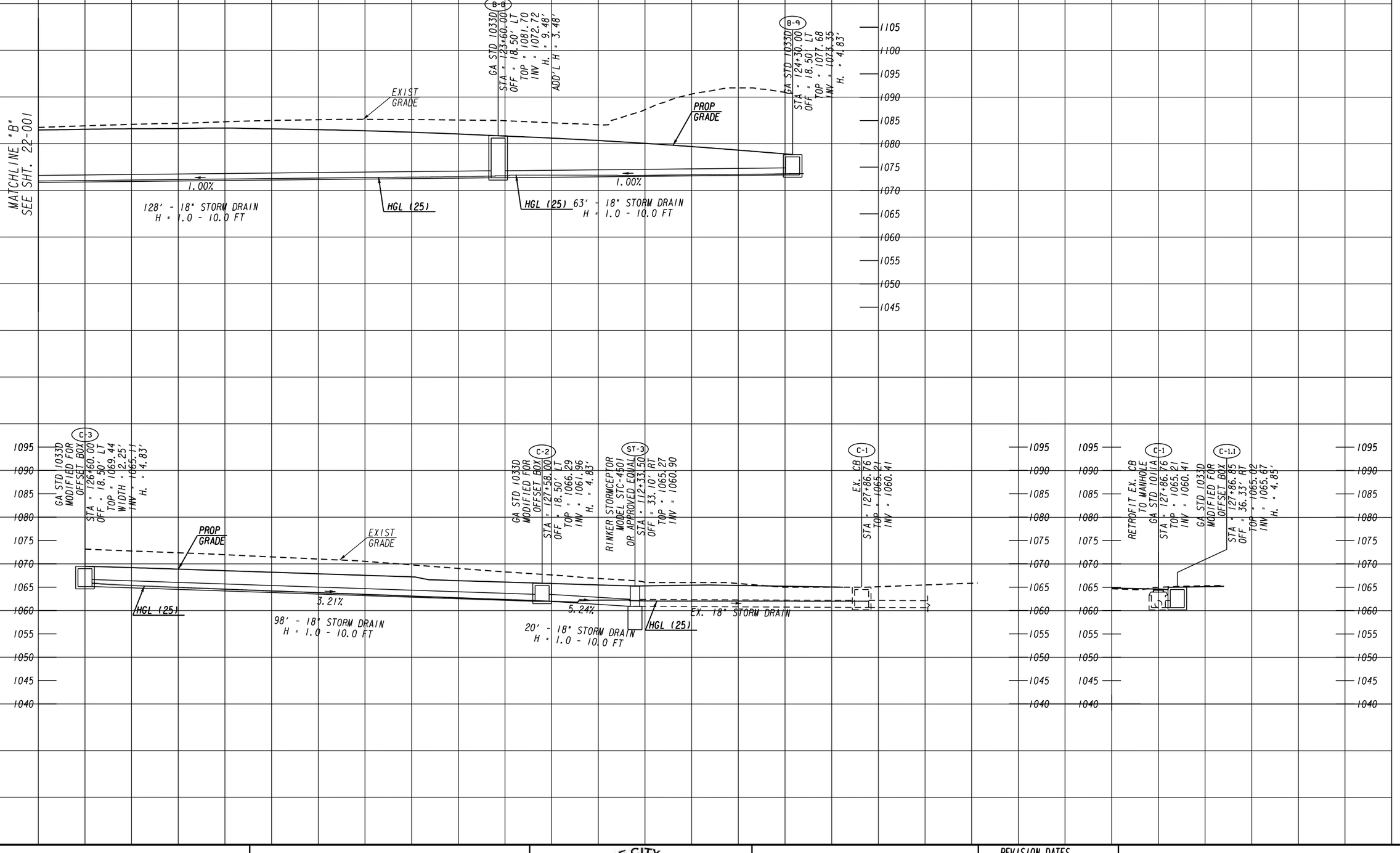
DRAINAGE PROFILES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 22-001



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REVISION DATES

CITY OF ALPHARETTA
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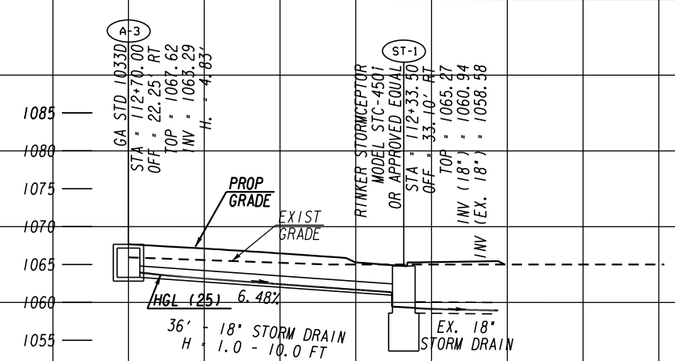
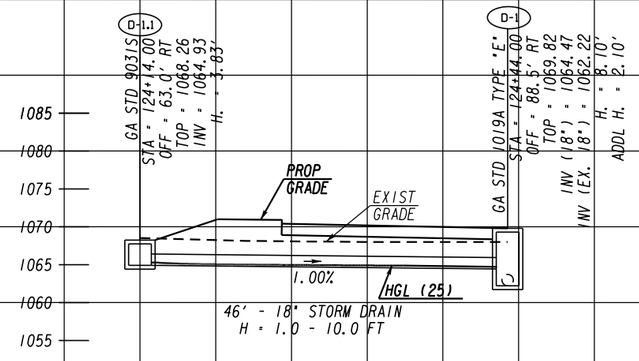
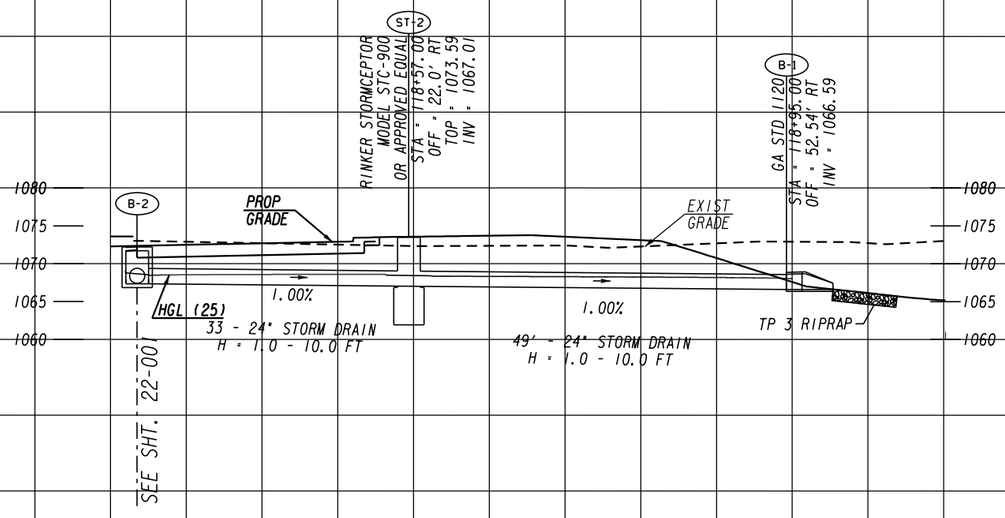
DRAINAGE PROFILES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 22-002







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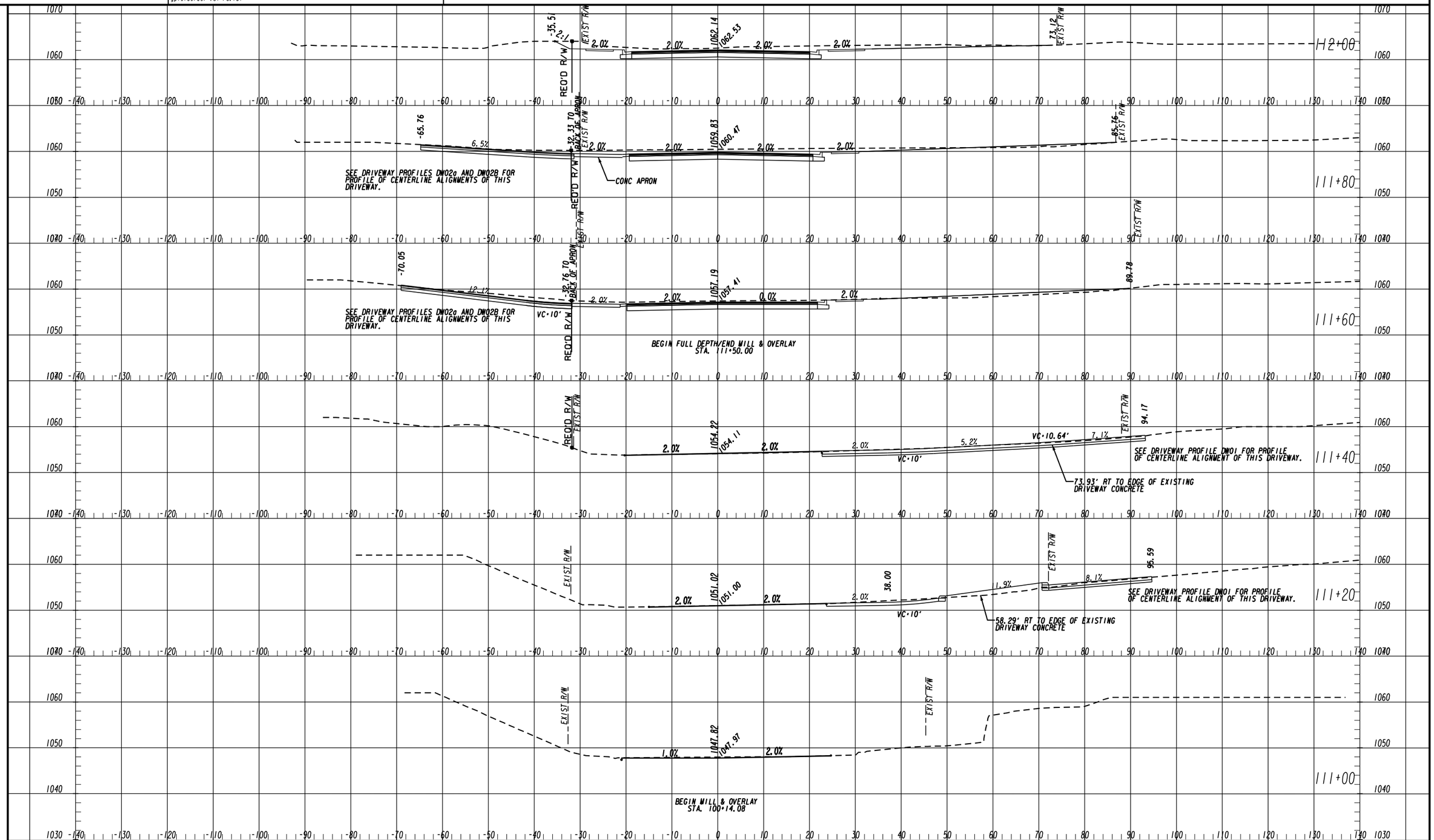
REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

DRAINAGE PROFILES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 22-003



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CROSS SECTIONS

DAVIS DRIVE EXTENSION
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ALPHARETTA, GEORGIA (FULTON COUNTY)

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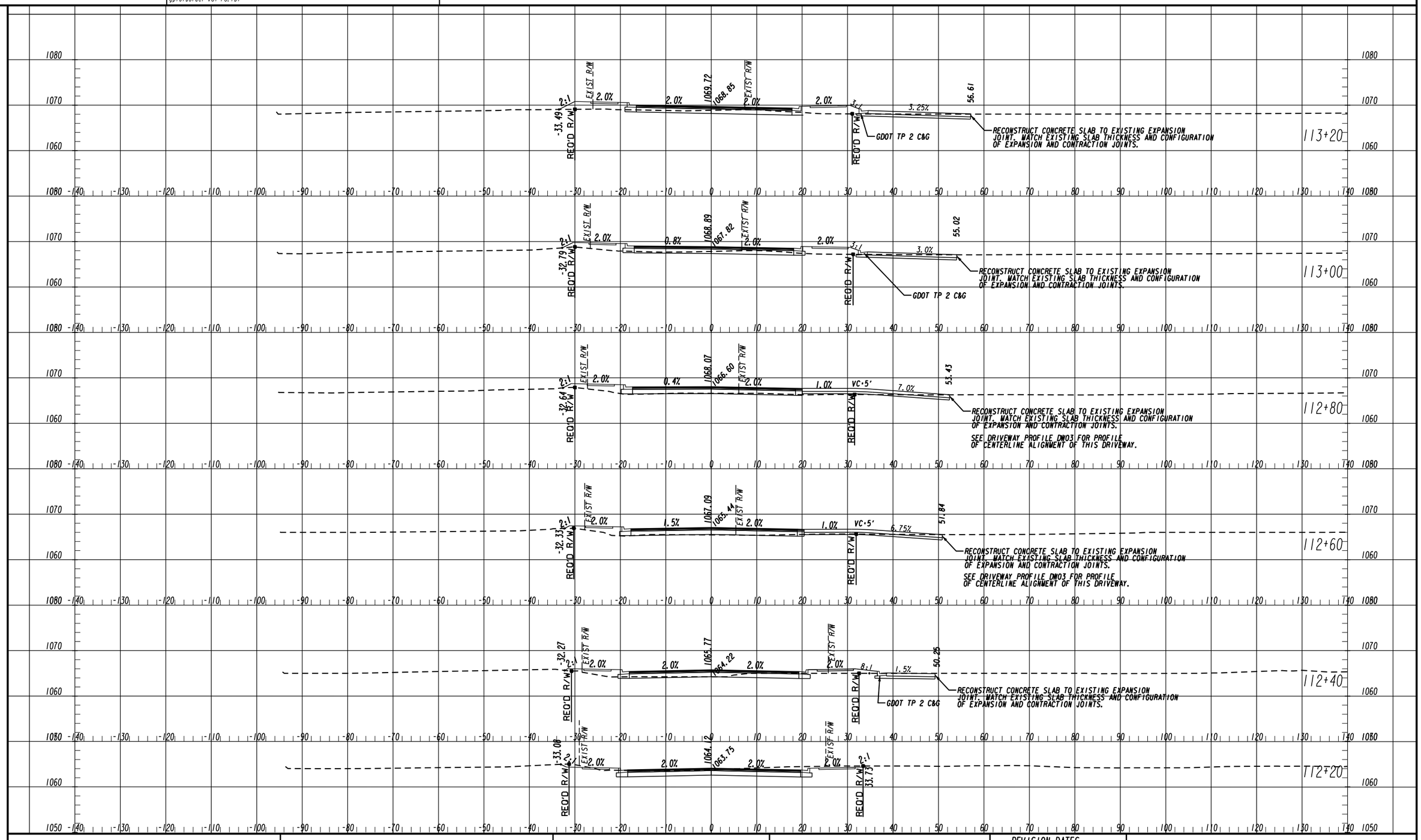

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ALPHARETTA, GEORGIA (FULTON COUNTY)

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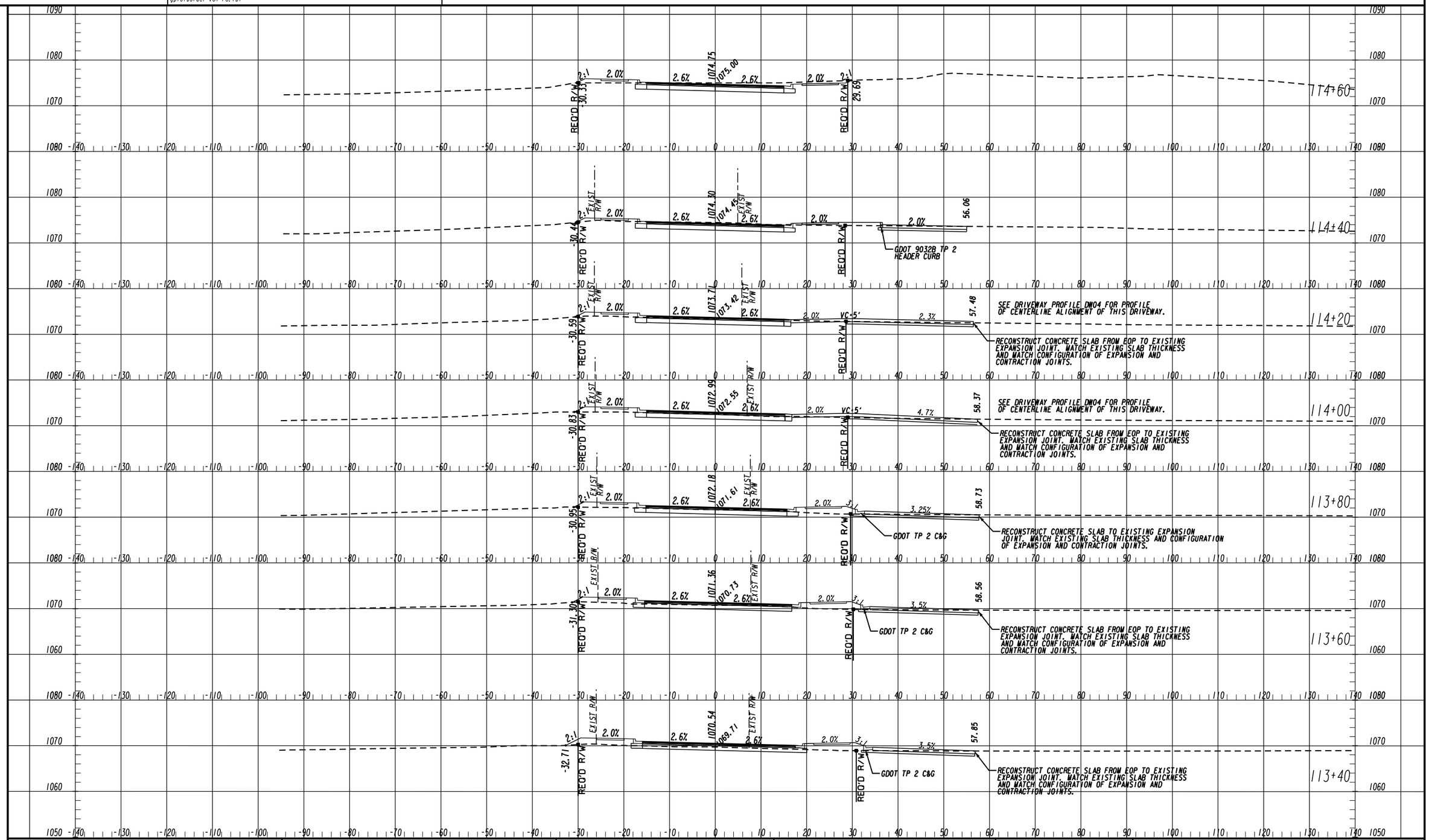

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DAVIS DRIVE EXTENSION
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ALPHARETTA, GEORGIA (FULTON COUNTY)

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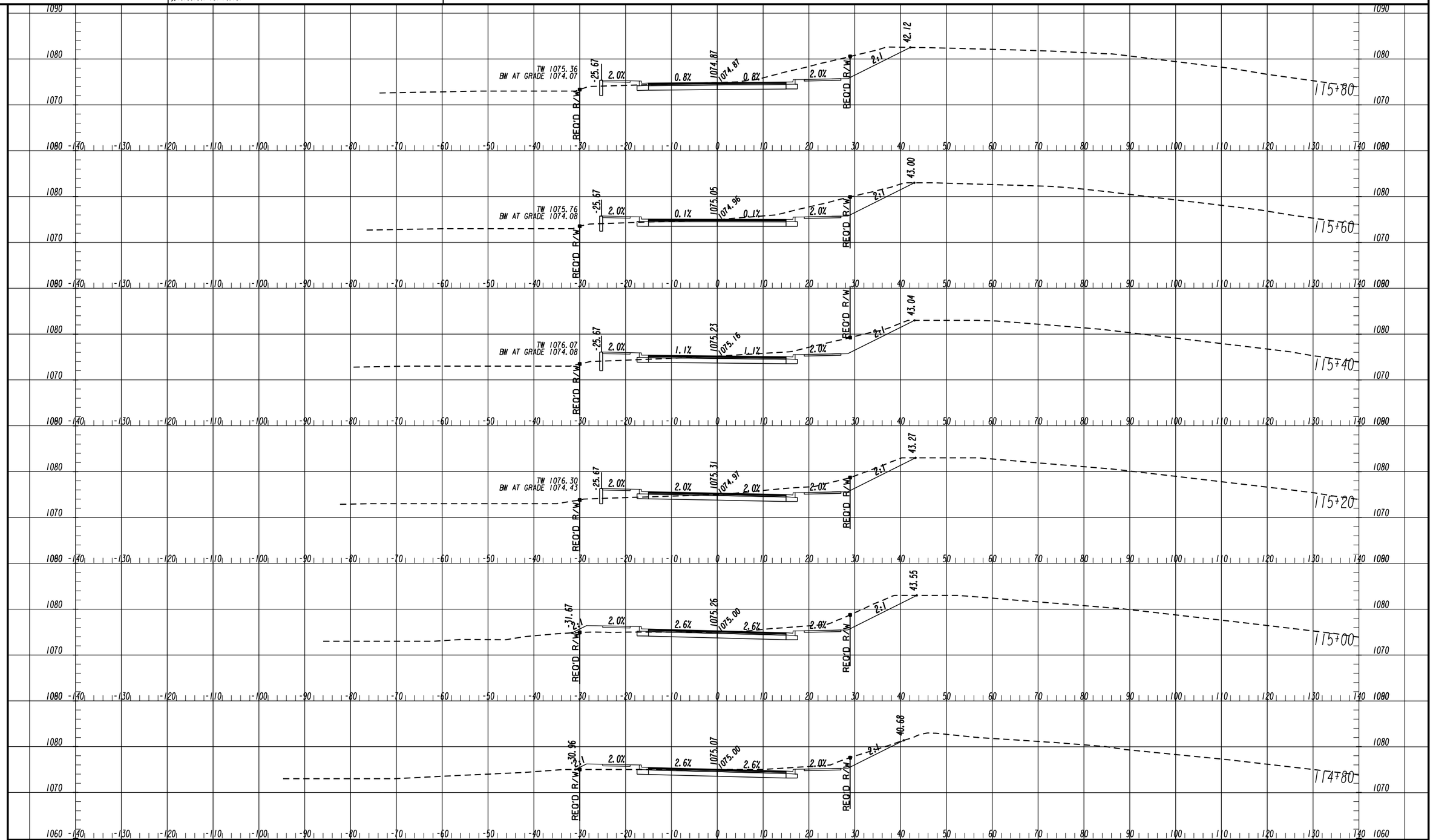

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CITY OF ALPHARETTA
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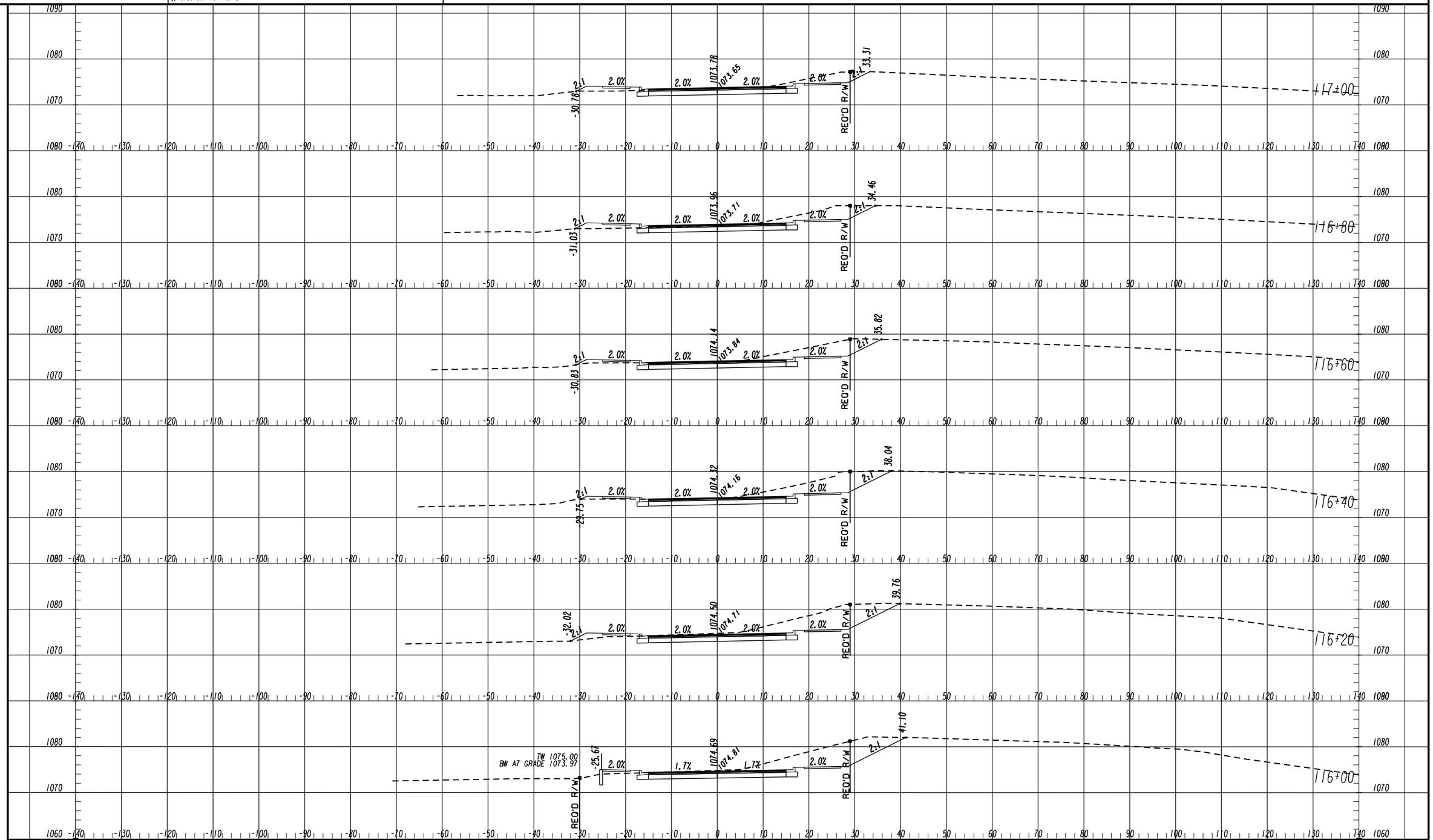

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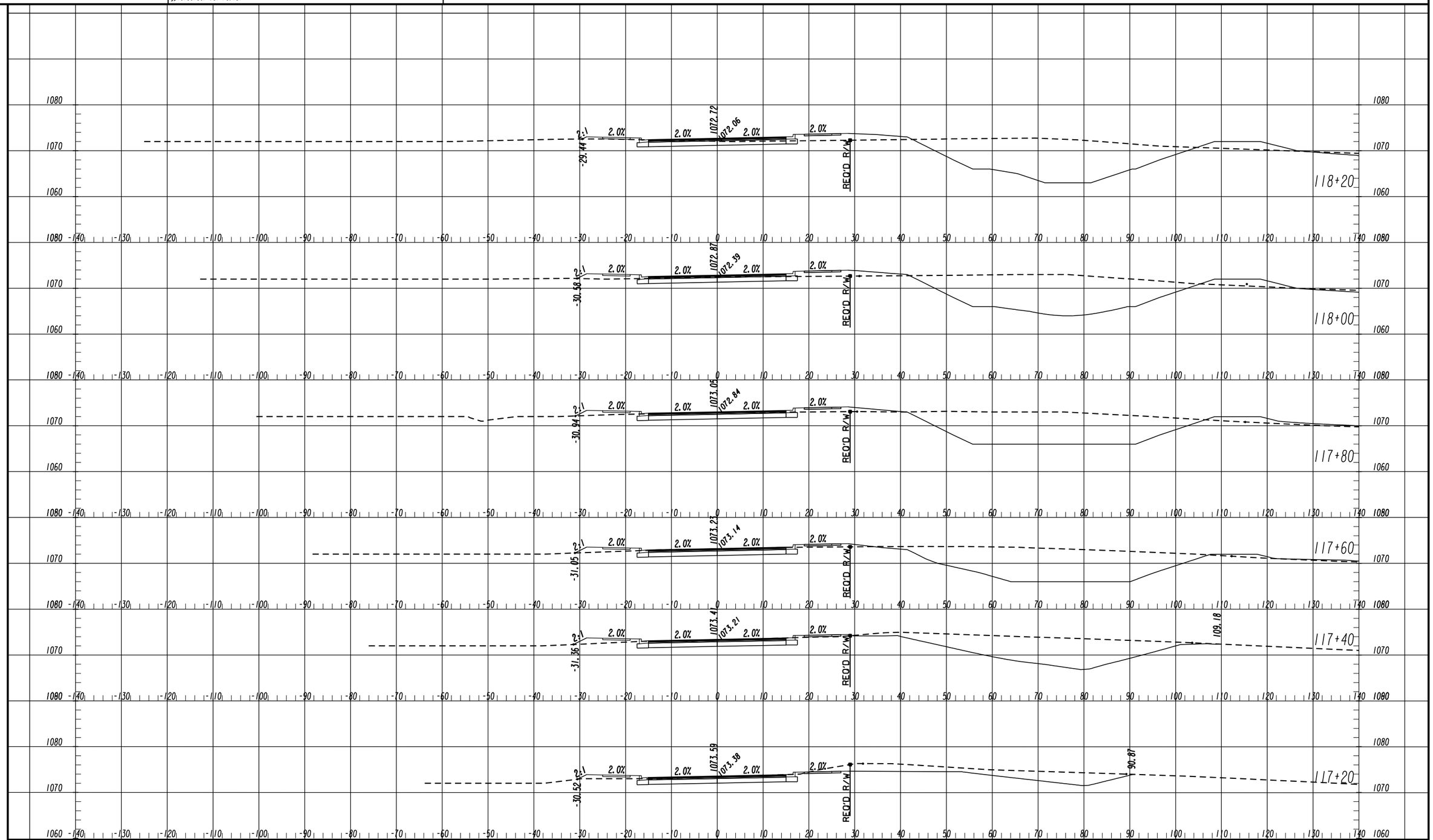

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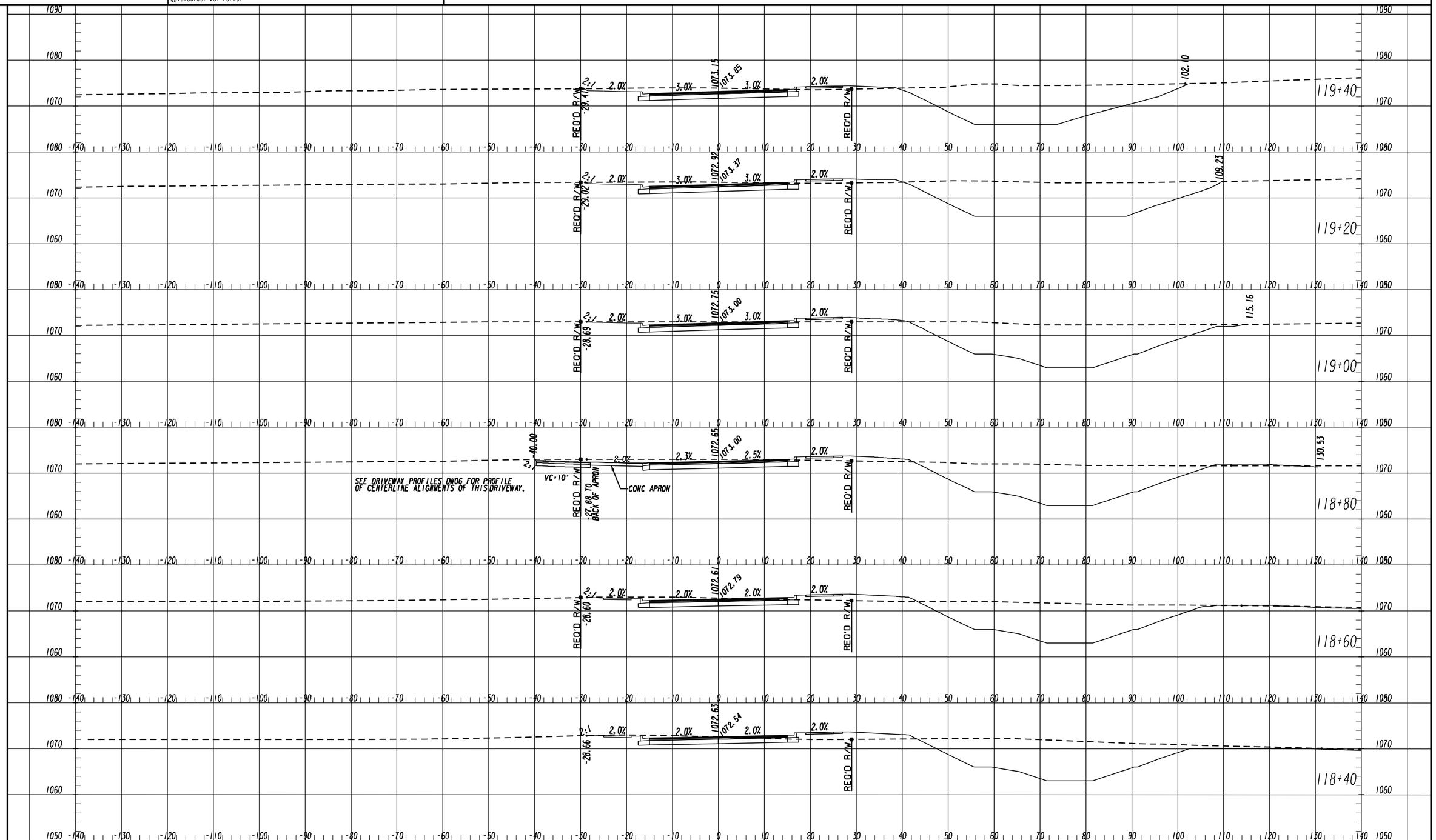

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DAVIS DRIVE EXTENSION
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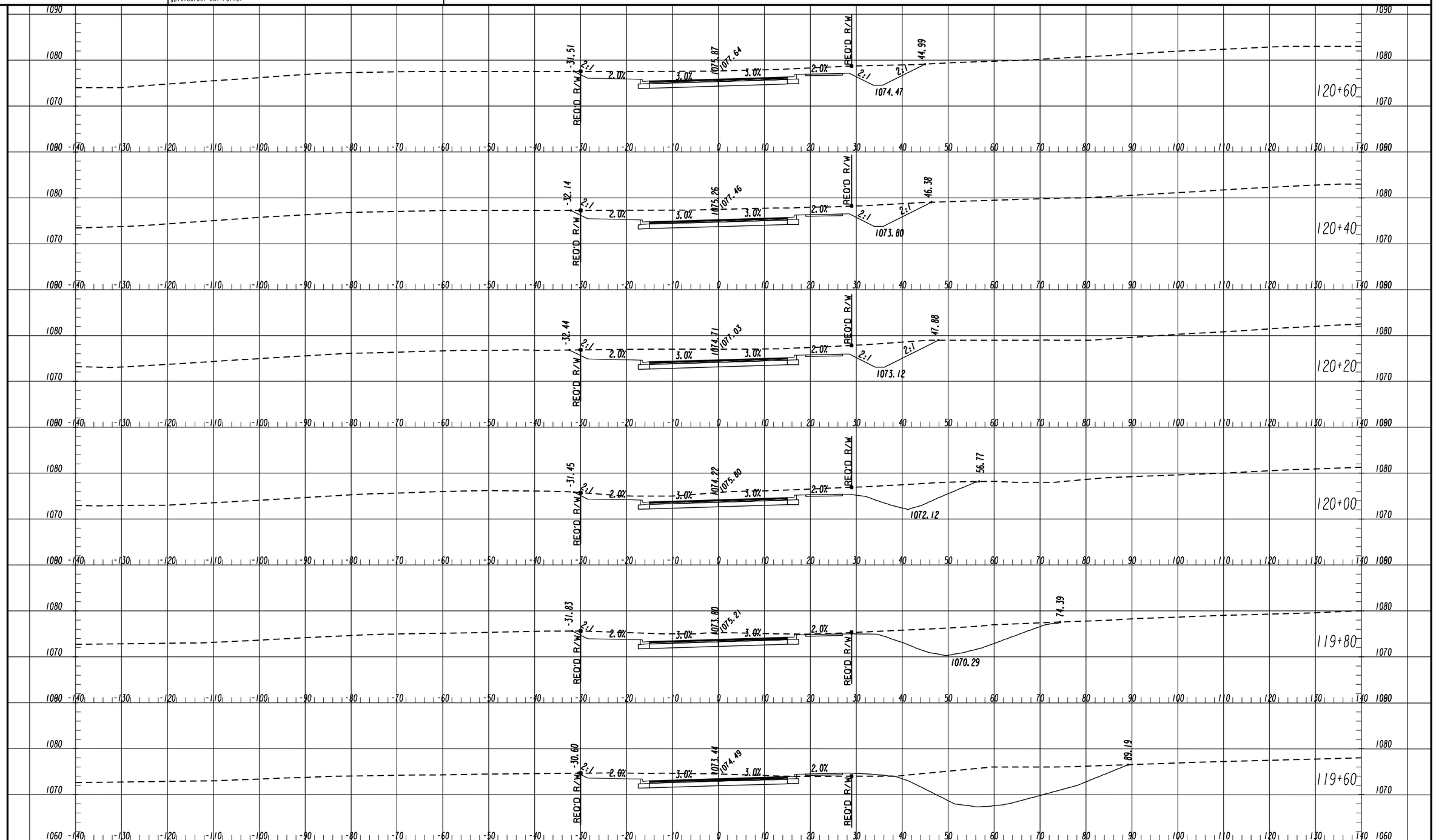

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SCALE IN FEET
0 10 20 40

REVISION DATES

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CROSS SECTIONS

DAVIS DRIVE EXTENSION
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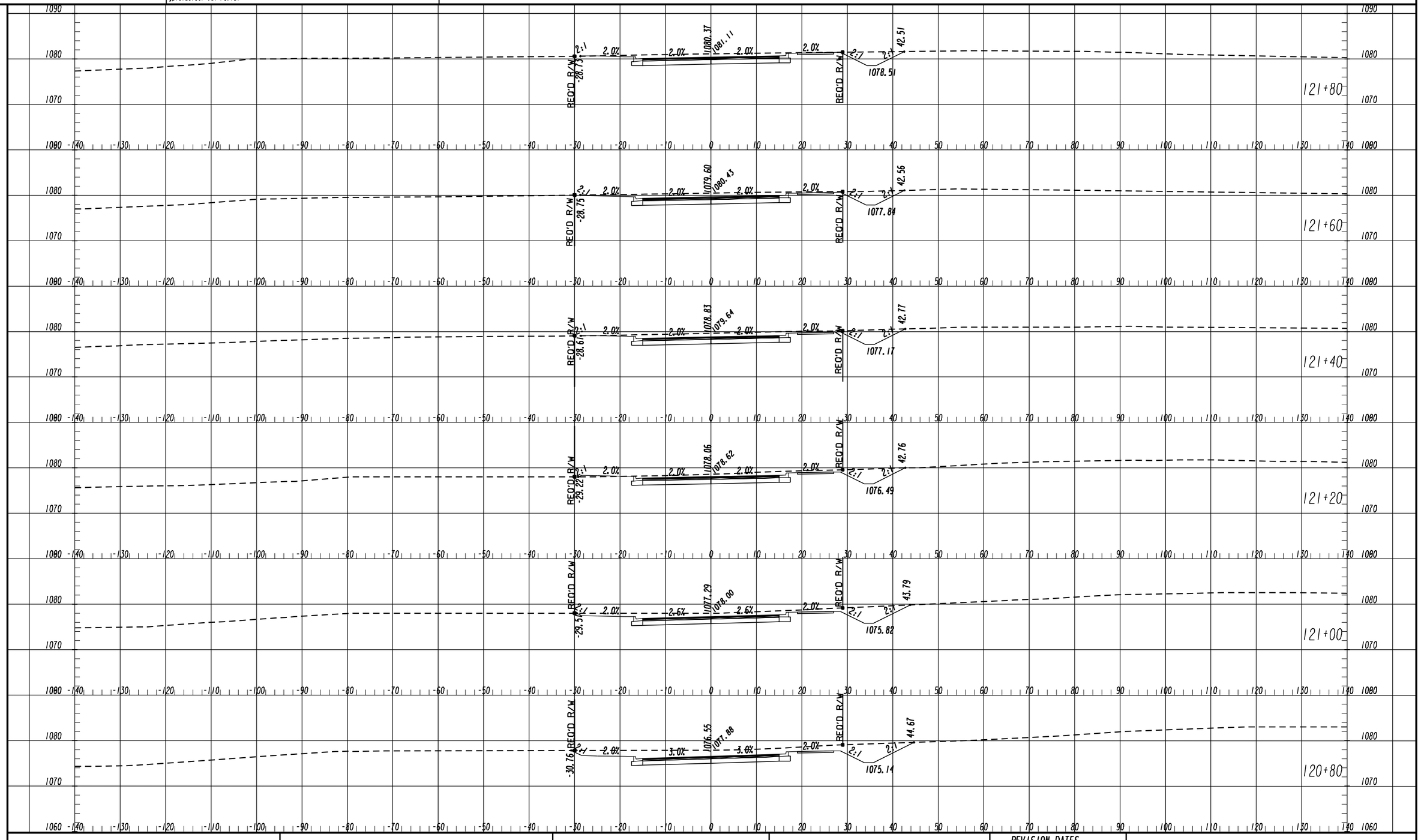

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SCALE IN FEET
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REVISION DATES

CITY OF ALPHARETTA
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CROSS SECTIONS

DAVIS DRIVE EXTENSION
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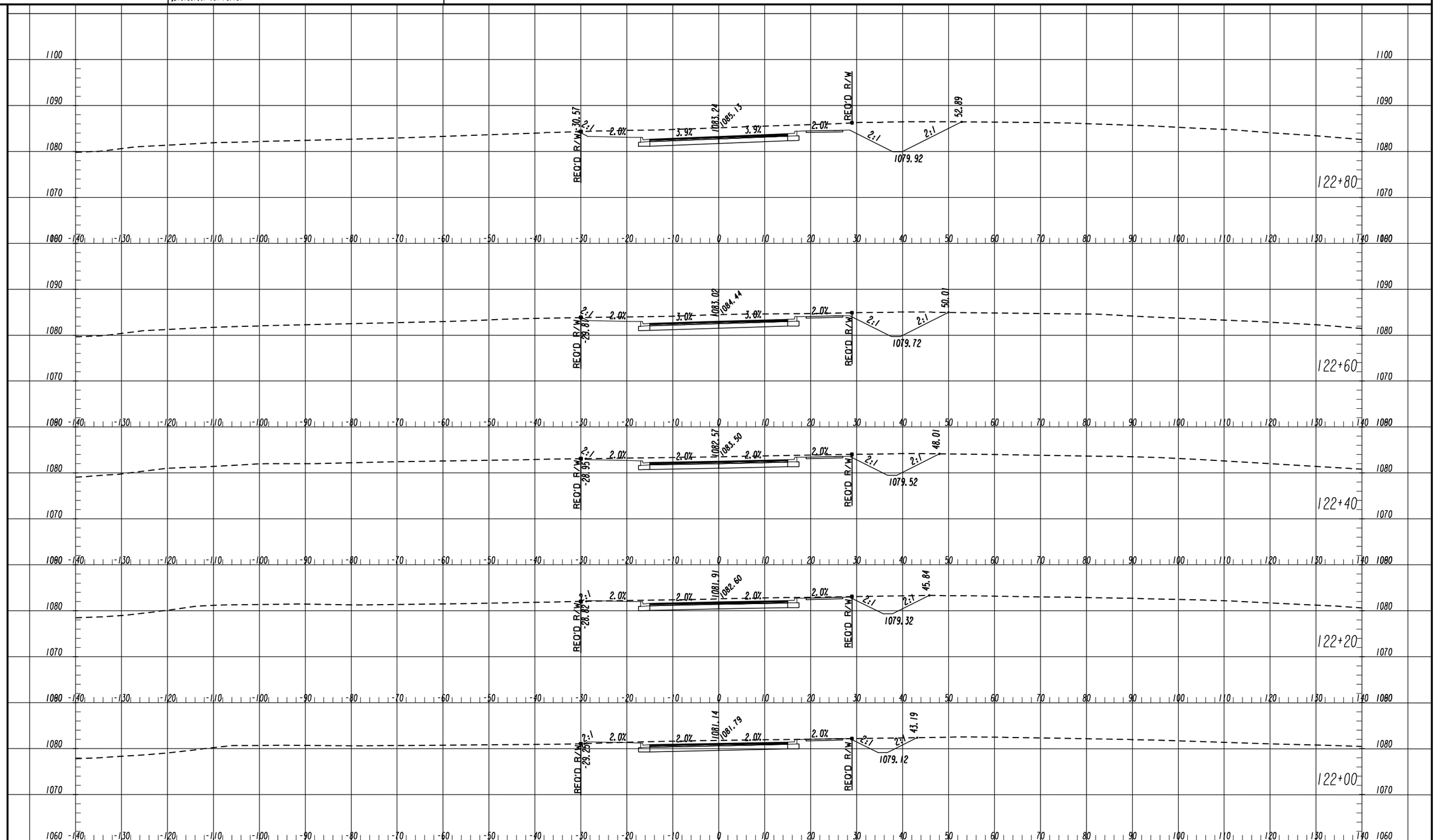

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SCALE IN FEET
0 10 20 40

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS

DAVIS DRIVE EXTENSION
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ALPHARETTA, GEORGIA (FULTON COUNTY)

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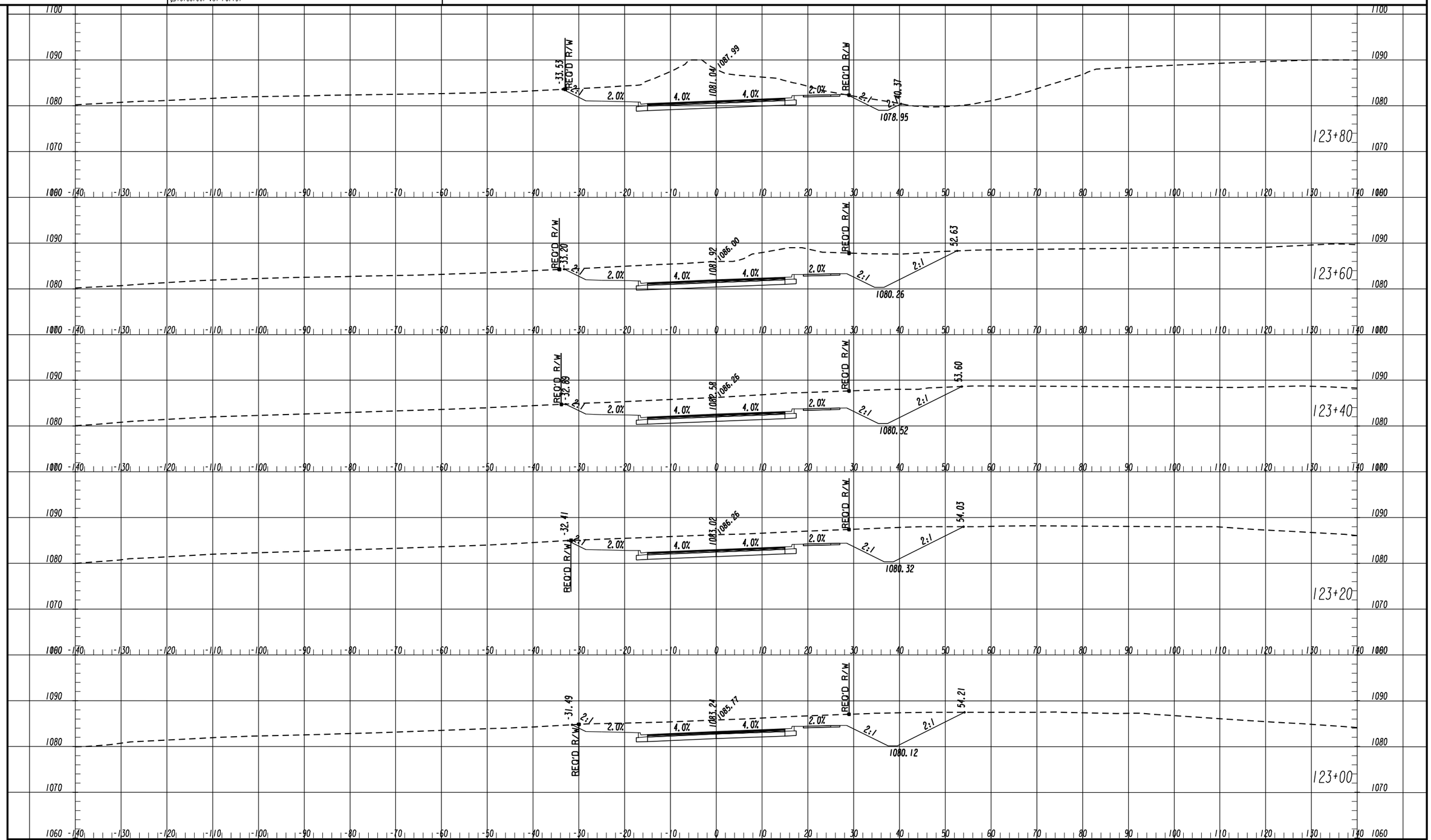

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SCALE IN FEET
0 10 20 40

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS

DAVIS DRIVE EXTENSION
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ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No.
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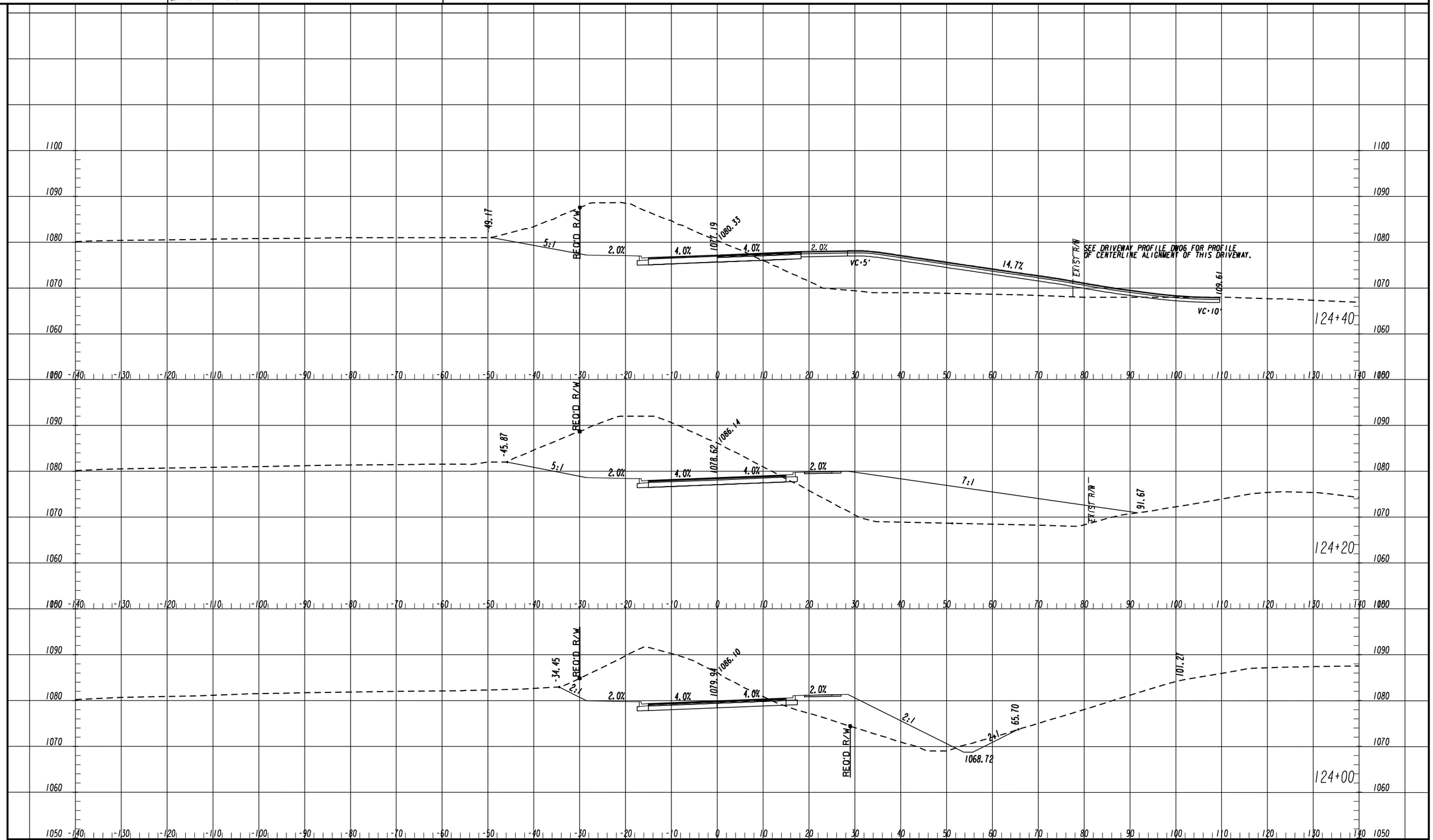

			REVISION DATES

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CITY OF ALPHARETTA
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CROSS SECTIONS

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DRAWING No.
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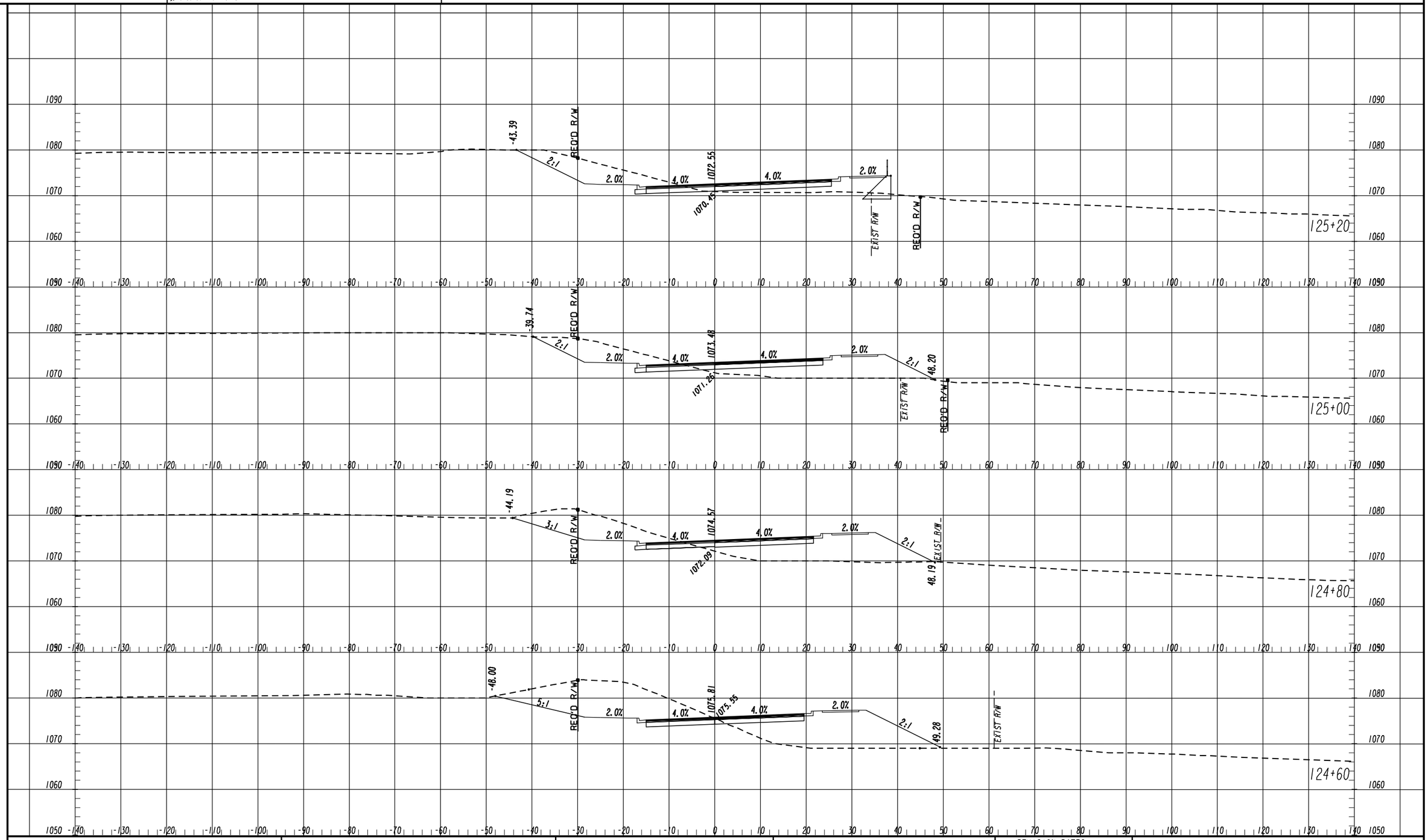

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SCALE IN FEET
0 10 20 40

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS

DAVIS DRIVE EXTENSION
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ALPHARETTA, GEORGIA (FULTON COUNTY)

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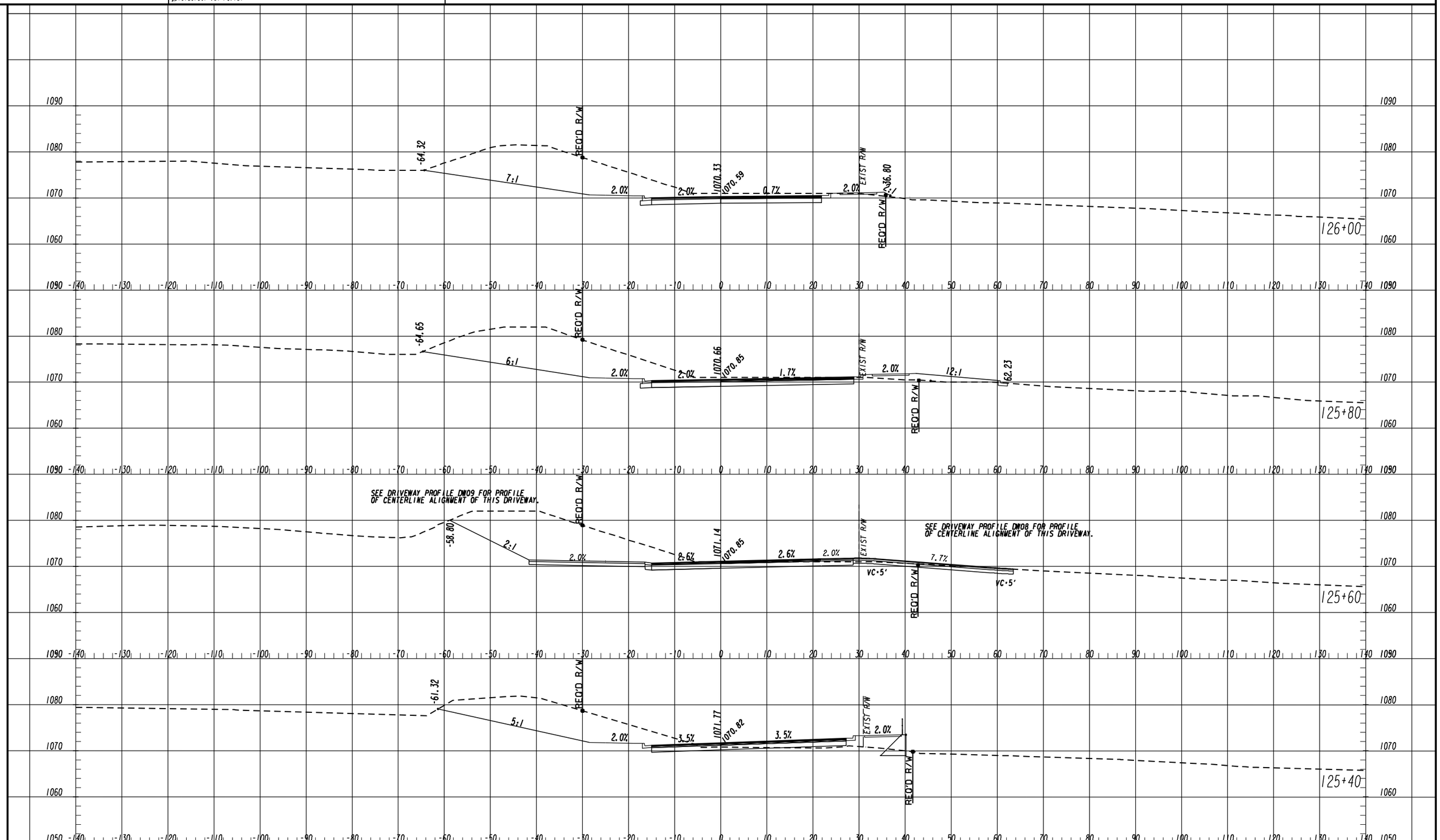

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SCALE IN FEET
0 10 20 40

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS

DAVIS DRIVE EXTENSION
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ALPHARETTA, GEORGIA (FULTON COUNTY)

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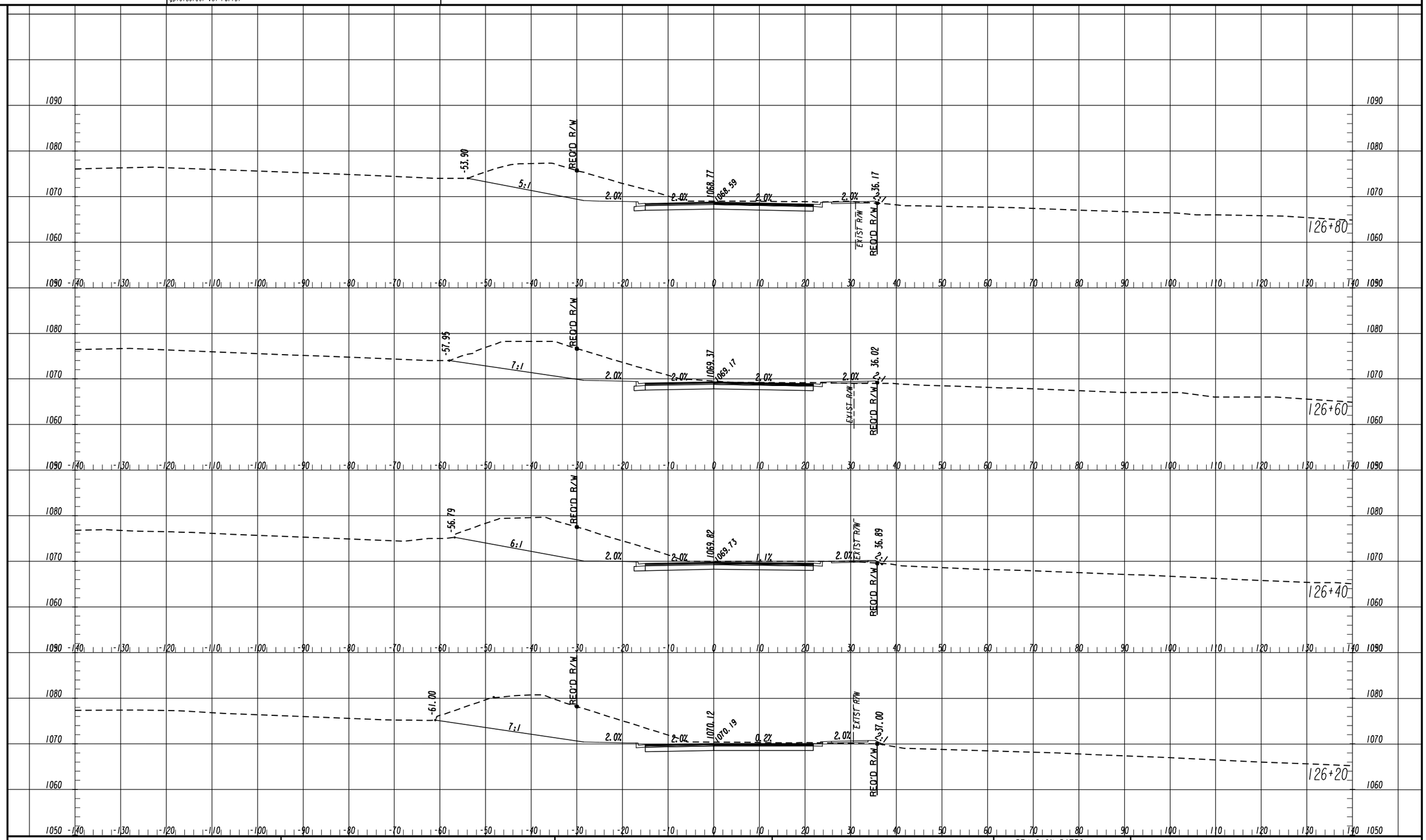

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SCALE IN FEET
0 10 20 40

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

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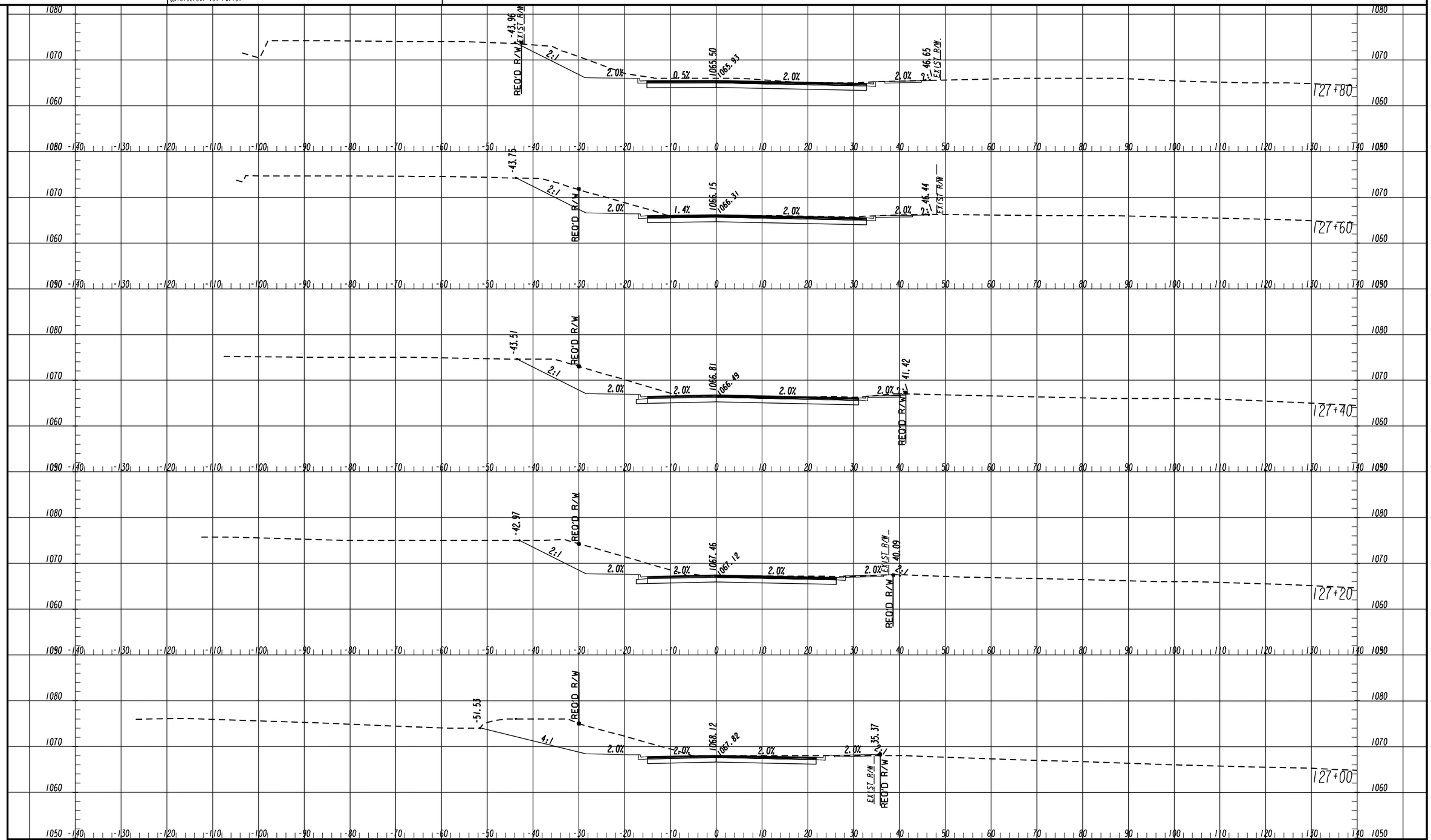

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SCALE IN FEET
0 10 20 40

REVISION DATES

CITY OF ALPHARETTA
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CROSS SECTIONS

DAVIS DRIVE EXTENSION
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ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No.
23-016

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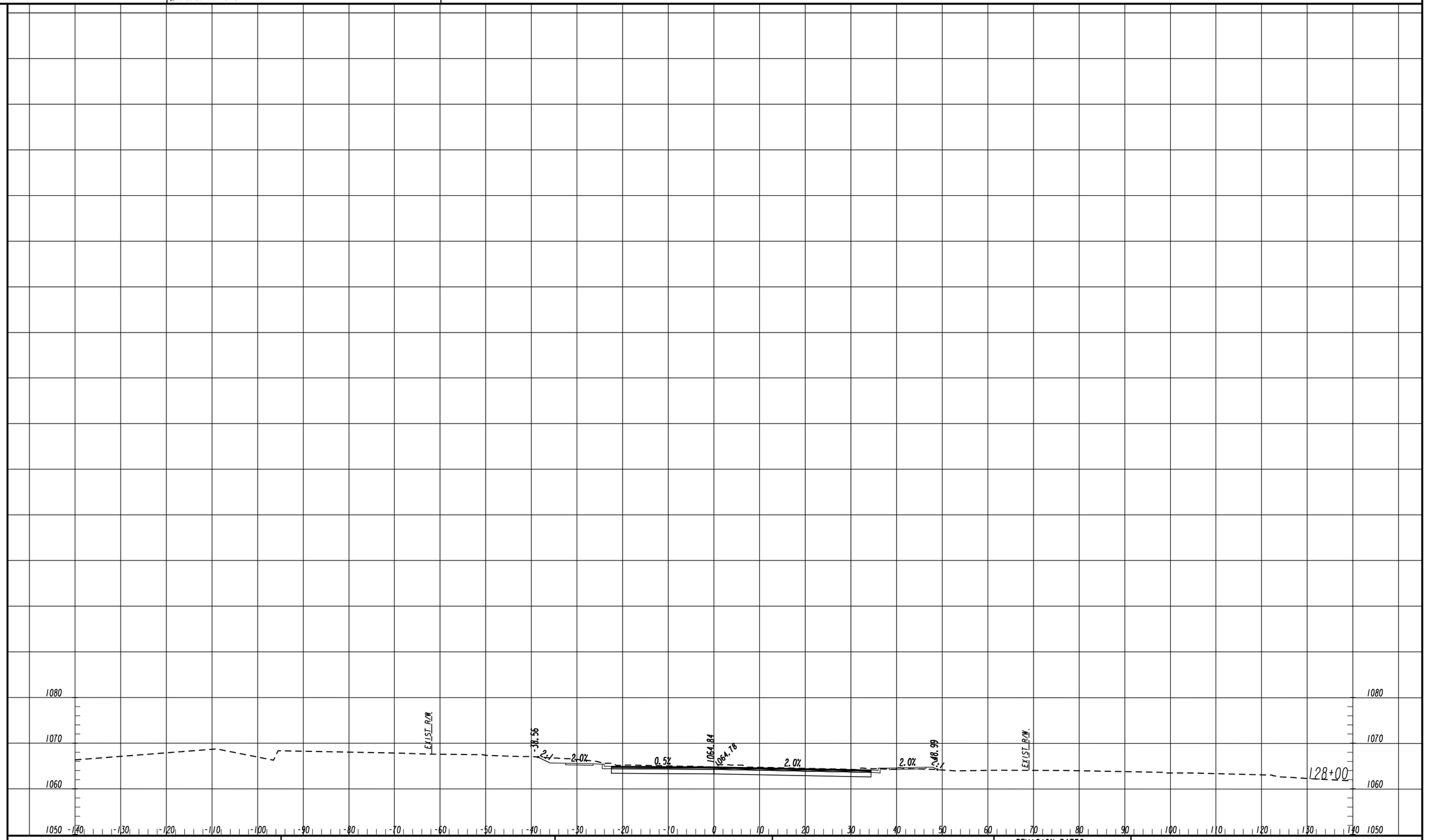

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REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

CROSS SECTIONS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No.
23-017

06/18/14 SUXSEW

EXISTING OVERHEAD	OVERHEAD TO BE REMOVED	PROPOSED OVERHEAD	TYPE OF UTILITY
			ELECTRIC
			ELECTRIC/TELECOMMUNICATIONS
			ELECTRIC/CABLE TV
			ELECTRIC/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
			GUY WIRE
			TELECOMMUNICATIONS
			TELECOMMUNICATIONS/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV
			CABLE TV
			CABLE TV/TRAFFIC CONTROL
			TRAFFIC CONTROL

EXISTING UNDERGROUND	UNDERGROUND TO BE REMOVED	PROPOSED UNDERGROUND	TYPE OF UTILITY
			ELECTRIC (QL-D)
			ELECTRIC (QL-C)
			ELECTRIC (QL-B)
			TELECOMMUNICATIONS (QL-D)
			TELECOMMUNICATIONS (QL-C)
			TELECOMMUNICATIONS (QL-B)
			CABLE TV (QL-D)
			CABLE TV (QL-C)
			CABLE TV (QL-B)
			WATER (QL-D)
			WATER (QL-C)
			WATER (QL-B)
**"W	**"W	**"W	WATER FOR LABELED PIPE SIZES (QL-D)
**"W(C)	**"W(C)		WATER FOR LABELED PIPE SIZES (QL-C)
**"W(B)	**"W(B)		WATER FOR LABELED PIPE SIZES (QL-B)
			NON-POTABLE WATER (QL-D)
			NON-POTABLE WATER (QL-C)
			NON-POTABLE WATER (QL-B)
**"NW	**"NW	**"NW	NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D)
**"NW(C)	**"NW(C)		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C)
**"NW(B)	**"NW(B)		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B)
			STEAM (QL-D)
			STEAM (QL-C)
			STEAM (QL-B)
**"STM	**"STM	**"STM	STEAM FOR LABELED PIPE SIZES (QL-D)
**"STM(C)	**"STM(C)		STEAM FOR LABELED PIPE SIZES (QL-C)
**"STM(B)	**"STM(B)		STEAM FOR LABELED PIPE SIZES (QL-B)
			SANITARY SEWER WITH FLOW DIRECTION (QL-D)
			SANITARY SEWER WITH FLOW DIRECTION (QL-C)
			SANITARY SEWER WITH FLOW DIRECTION (QL-B)
Σ**"SS	Σ**"SS	Σ**"SS	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D)
Σ**"SS(C)	Σ**"SS(C)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C)
Σ**"SS(B)	Σ**"SS(B)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B)
			GAS (QL-D)
			GAS (QL-C)
			GAS (QL-B)
**"G	**"G	**"G	GAS FOR LABELED PIPE SIZES (QL-D)
**"G(C)	**"G(C)		GAS FOR LABELED PIPE SIZES (QL-C)
**"G(B)	**"G(B)		GAS FOR LABELED PIPE SIZES (QL-B)
			PETROLEUM (QL-D)
			PETROLEUM (QL-C)
			PETROLEUM (QL-B)
**"P	**"P	**"P	PETROLEUM FOR LABELED PIPE SIZES (QL-D)
**"P(C)	**"P(C)		PETROLEUM FOR LABELED PIPE SIZES (QL-C)
**"P(B)	**"P(B)		PETROLEUM FOR LABELED PIPE SIZES (QL-B)
			TRAFFIC CONTROL (QL-D)
			TRAFFIC CONTROL (QL-C)
			TRAFFIC CONTROL (QL-B)

UTILITY LEGEND

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

UTILITY CELLS

EXISTING	PROPOSED	TEMPORARY	
W	W	W	WELL
W	W	W	WATER VAULT
			WATER VALVE MARKER
			STAND PIPE
			CLEANOUT
SS	SS	SS	SANITARY SEWER MANHOLE
ARV	ARV	ARV	AIR RELEASE VALVE
GT	GT	GT	GREASE TRAP
S	S	S	SANITARY SEWER FORCE MAIN VALVE
			VENT
G	G	G	GAS VALVE
G	G	G	GAS METER
G	G	G	GAS MANHOLE
GPR	GPR	GPR	GAS PRESSURE REGULATOR
G	G	G	GAS VAULT
GTS	GTS	GTS	GAS TEST STATION
P	P	P	PETROLEUM VALVE

TELEPHONE PAIR SIZE TABLE

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

*UTILITY OWNERS

OWNER	SERVICE
AT&T (BELLSOUTH)	TELECOM/FIBER
MCI	FIBER OPTIC
GEORGIA POWER DISTRIBUTION	ELECTRIC
GEORGIA POWER TRANSMISSION	ELECTRIC
FULTON COUNTY	WATER AND SEWER
ATLANTA GAS LIGHT	NATURAL GAS

GEORGIA811 Utilities Protection Center, Inc.

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

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 24-000

OPAL D ABBINK ET AL

SAM'S REAL ESTATE BUSINESS TRUST

TBM #3266
"X" SCRIBED
IN SIDEWALK
N=1469891.64
E=2251603.61
ELEV=990.01

MANSELL ROAD

DAVIS DRIVE

BEGIN PROJECT
BEGIN MILL, OVERLAY,
&RE-STRIPING ONLY
STA 100+14.08
N 1469760.1612
E 2251612.7310

N 59°15'06.6" E

AT&T HH
9' BOC

AT&T BSC6
24' BOC

AT&T BSC6
14' BOC

ANTW-50 (98)
ANTW-50 (98)
SR-5BQ2MT-048 (12)
ANTW-600 (97)
ANTW-200 (98)
ANTW-900 (97)

GPC/35'
GPC/40'
GPC/ T#226588

SSMH
TOP=1000.02
IN(A)=987.42
IN(B)=988.82
OUT=987.12

8" DIP
10" DIP

WATER VAULT
IRRIGATION VAULT

GUARD RAIL
ASPHALT
CONC
EXIST R/W
C OF CONST.
NSA

COLE OB ALPHARETTA GA LLC

SAM'S REAL ESTATE
BUSINESS TRUST

MATCH LINE STA. 104+60
SEE SHEET 24-002

Curve* 1
PI Sta= 102+33.94
N= 1469975.73
E= 2251655.97
DELTA= 47°54'37.1" (RT)
D= 20°27'46.00"
T= 124.40
L= 234.13
R= 280.00
E= 26.39
e= N/A
Curve* 1 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

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ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 24-001

01/26/2015 GPLN

MATCH LINE STA. 104+60
SEE SHEET 24-001

MATCH LINE STA. 110+40
SEE SHEET 24-003

SAM'S REAL ESTATE BUSINESS TRUST

MAIN EVENT

HOMEWOOD SUITES

PAPPAS RESTAURANTS INC

SAM'S REAL ESTATE BUSINESS TRUST

DAVIS DRIVE

℄ OF CONST.

105+00 106+00 107+00 108+00 109+00 110+00

SR-5BQ2MT-024 (12)
ANTW-100 (98)
ANTW-100 (99)
ANTW-100 (04)
SR-5BQ2MT-048 (10)
ANTW-200 (98)
ANTW-400 (97)
ANTW-600 (97)
ANTW-50 (97)
3-1/0AXNJ
3-750AAC+4/0ALN
1/0UTA
AT&T MAG6 9' BOC
AT&T HH 5' BOC
AT&T DSB12 7' BOC
GPC/35'
GPC/ T# 230287
GPC/ T# 230700
GPC/4
EXIST R/W
APPROX EXIST R/W
APPROX. DRIVEWAY LOCATION
30" RCP
32" EOP @ 41"
4" PLASTIC
10" DIP
8" DIP
SSMH TOP=1040.28 IN(A)=1030.68 IN(B)=1030.98/8" DIP OUT=1028.88
SSMH TOP=1024.15 INACCESSIBLE
SSMH TOP=1022.47 IN(A)=1013.07 IN(B)=1012.92 OUT=1012.62
SSMH TOP=1013.47 IN(A)=1001.07 IN(B)=1003.27 OUT=1000.97/10" DIP
SSMH TOP=1011.72 OUT=1005.22
SSMH TOP=1016.98 IN=1006.33 OUT=1006.23
SIGN
ASPHALT
LL 607

Curve* 2
PI Sta= 110+29.03
N= 1470389.73
E= 2252351.90
DELTA= 01°49'47.4" (LT)
D= 02°51'53.24"
T= 31.94
L= 63.87
R= 2000.00
E= 0.26
Curve* 2 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 24-002

01/26/2015 GPLN

MAIN EVENT

BEGIN CONSTRUCTION WITH FULL DEPTH ASPHALT CONSTRUCTION
END MILL, OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470454.8363
E 2252453.9330

CONTRACTOR TO USE CAUTION WHEN INSTALLING DRIVEWAY AT&T CABLE WILL BE EXPOSED

2
ALPHARETTA FAMILY SKATE CENTER

Curve# 3
PI Sta# 114+24.36
N# 1470602.59
E# 2252685.02
DELTA# 16°54'16.8" (RT)
D# 08°18'13.45"
T# 102.53
L# 203.58
R# 690.00
E# 7.58
e# 2.6%

AT&T TO LOWER CABLE IN PLACE (ROAD & SIDEWALK INSTALLATION WILL BE EXPOSE AT&T CABLE)

AT&T BOXES DO NOT DISTURB

AT&T TO ADJUST HH & SPLICE TO PROPOSED GRADE

AT&T HH 5' BOC

AT&T HH 3' BOC

TRANSFORMER RELOCATED BY GA POWER

AT&T TO REPLACE WITH NEW CABLE FROM HH TO HH

REMOVE 3-1/0AXNJ

4" PLASTIC

SPLICE

IN:GPC/ T# 2236672

CUT & CAP TIE-INTO 2" PLASTIC GAS MAIN NOP: 60 PSIG

PROPOSED: 160' X 2" PLASTIC GAS MAIN NOP: 60 PSIG

ABANDON: 2" PLASTIC GAS MAIN NOP: 60 PSIG

EXISTING CONCRETE PARKING LOT

3
ROCK MILL 400 LP

1
PAPPAS RESTAURANTS INC

FULTON COUNTY 12" WATER MAIN

EXIST. WATER MAIN TO BE MILL & INLAY

C OF CONST.

DAVIS DRIVE

REQD R/W

ANTW-100 (97)

SSMH TOP#1064.93 IN#1057.38 OUT#1057.23/8" DIP

SSMH TOP#1066.43 IN#1043.13 OUT#1043.03/ ASSUMED 8" DIP

SSMH TOP#1073.45 IN(A)#1060.95 IN(B)#1060.95 OUT#1060.65

SSMH TOP#1063.56 IN#1056.56/8" DIP OUT#1056.1

SSMH TOP#1065.06 INACCESSIBLE DUE TO DEPTH

SSMH TOP#1048.75 IN#1035.25/8" DIP OUT#1035.15/8" DIP

SSMH TOP#1043.41 IN#1031.76/8" DIP OUT#1031.41/8" DIP

SSMH TOP#1060.23 IN#1036.43/ ASSUMED 8" DIP OUT#1036.33/ 8" DIP

SSMH TOP#1064.35 OUT#1051.60

8" DIP

6" PVC

ASSUMED 8" DIP

3-750AAC+4/0ALN

3-1/0AXNJ

230KV TRANSMISSION

111+00 112+00 113+00 114+00 115+00

MATCH LINE STA. 110+40 SEE SHEET 24-002

MATCH LINE STA. 115+40 SEE SHEET 24-004

NOTES:
1. ONLY SIGNING AND MARKING INSTALLATION AND MILL & OVERLAY ARE PROPOSED FROM PROJECT BEGINNING TO STA. 111+50.
2. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
3. SEE 44-SERIES PLANS FOR WATER & SEWER RELOCATIONS.

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

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

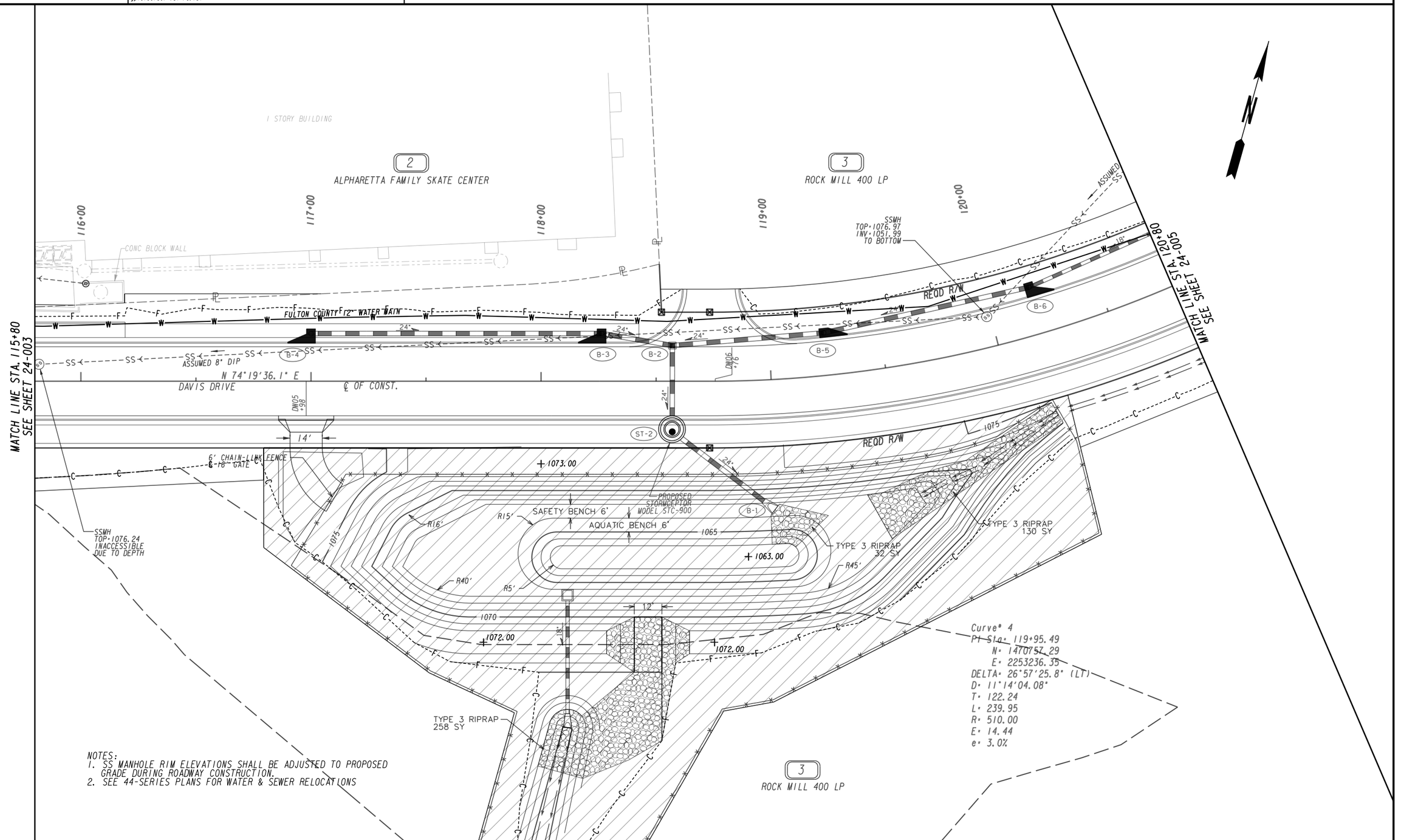
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 24-003

01/26/2015 GPLN



NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
2. SEE 44-SERIES PLANS FOR WATER & SEWER RELOCATIONS

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
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0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 24-004

01/26/2015 GPLN

Curve# 5
PI Sta: 124+45.57
N: 1471065.18
E: 2253570.82
DELTA: 88°24'23.9" (LT)
D: 28°56'14.14"
T: 192.57
L: 305.51
R: 198.00
E: 78.20
e: 4.0%

3
ROCK MILL 400 LP

SSWH
TOP: 1081.25
INV: 1057.75
TO BOTTOM

SSWH
TOP: 1078.15
INV: 1055.25
TO BOTTOM

8" DIP

ASSUMED 8" DIP

FULTON COUNTY
12" WATER MAIN

121+00
122+00
123+00
124+00

REQD R/W

FH

EXIST R/W

TP D

TP C

TP B

DO NOT DISTURB EX. LIGHT

DO NOT DISTURB EX. C&G

MATCH LINE STA. 124+80
SEE SHEET 24-006

ASPHALT

℄ OF CONST.

N 47°22'10.3" E

DAVIS DRIVE

8' SIDEWALK

REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)

DO NOT DISTURB

4
30 WEST PERSHING LLC

DO NOT DISTURB

EXISTING TOP GOLF MSE WALL

ESA BOUNDARY

MATCH LINE STA. 120+80
SEE SHEET 24-004

Curve# 4
PI Sta: 119+95.49
N: 1470757.29
E: 2253236.35
DELTA: 26°57'25.8" (LT)
D: 11°14'04.08"
T: 122.24
L: 239.95
R: 510.00
E: 14.44
e: 3.0%

3
ROCK MILL 400 LP

NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
2. SEE 44-SERIES PLANS FOR WATER & SEWER RELOCATIONS

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
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THE CITY OF ALPHARETTA PUBLIC WORKS

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TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 24-005

01/26/2015 GPLN

NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
2. SEE 44-SERIES PLANS FOR WATER & SEWER RELOCATIONS

Curve* 5
PI Sta* 124+45.57
N* 1471065.18
E* 2253570.82
DELTA* 88°24'23.9" (LT)
D* 28°56'14.14"
T* 192.57
L* 305.51
R* 198.00
E* 78.20
e* 4.0%

3 ROCK MILL 400 LP

4 30 WEST PERSHING LLC

MATCH LINE STA. 124+80 SEE SHEET 24-005

END CONSTRUCTION WITH FULL DEPTH ASPHALT TO MATCH EXISTING GRADE
STA 128+15.63
N 1471404.3689
E 2253275.5846

END PROJECT END CONSTRUCTION
STA 128+33.35
N 1471417.7308
E 2253263.9541

SANCTUARY PARK REALTY HOLDING COMPANY

SANCTUARY PARK REALTY HOLDING COMPANY

SANCTUARY PARKWAY

WESTSIDE PARKWAY

DAVIS DRIVE
℄ OF CONST.
N 41°02'13.7" W

MH WP10 6' BOC

MH WP11 GPC/3' BOC

AT&T MH 15' BOC

SR-5BM2MT-216(14)

FULTON COUNTY 12" WATER MAIN

FULTON COUNTY 12" WET TAP

TBM #3267
"X" SCRIBED IN CONCRETE
N-1471378.52
E-2253304.74
ELEV-1066.00

SSMH
TOP-1071.05
IN-1059.55
OUT-1059.48

SSMH
TOP-1068.78
IN-1060.13
OUT-1059.98/8" DIP

TERMINUS UNKNOWN

4" PVC

8" DIP

3-1/0AXNJ

3-750AAC+ 4/0ALN+2A

REQD R/W

EXIST R/W

REMOVE

RETAIN

ASPHALT

SPLICE

UG ELECTRIC MUST BE BORED. EXIST SIDEWALK TO REMAIN

RETROFIT EXISTING BOX TO INCORPORATE PROPOSED BOX RETAIN EXISTING PIPE

RETROFIT TO MANHOLE ADJUST TOGRADE

DO NOT DISTURB

DO NOT DISTURB EX. C&G

DO NOT DISTURB EX. LIGHT

PROPOSED STORMCEPTOR MODEL STC-4501

WOODS LINE

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 24-006

01/26/2015 GPLN

GENERAL NOTES

1. ALL LUMINAIRES SHALL BE LED UNLESS OTHERWISE NOTED.
2. OPERATING VOLTAGE SHALL BE 240 VOLTS.
3. ALL FUSES AND FUSEHOLDERS SHALL BE IN-LINE TYPE AND WATERPROOF. PROVIDE FUSES, FUSEHOLDER AND MOLDED BREAKAWAY PLUG & CONNECTOR ASSEMBLY FOR POWER CABLE IN THE HANDHOLD OF EACH POLE. THE FUSEHOLDERS SHALL BE BREAKAWAY TYPE.
4. CONDUIT ACCESSORIES, SUCH AS EXPANSION JOINTS, PULLBOXES, CONDULETS, ELBOWS, FLEXIBLE CONDUIT, ETC., SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
5. THE CONTRACTOR SHALL INSTALL A NYLON PULL CORD OR GALVANIZED PULL WIRE IN EACH EMPTY CONDUIT. THE COST OF THIS ITEM WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT.
6. THE LIGHTING CONTRACTOR SHALL FURNISH A FIVE YEAR WRITTEN WARRANTY FOR PARTS AND DEFECTIVE WORKMANSHIP ON THE LUMINAIRES, POLES, CONTROL PANEL AND ALL OTHER ELECTRICAL EQUIPMENT.
7. THE CONTRACTOR SHALL BEWARE OF OVERHEAD POWER LINES AND LOCATE LIGHTING STANDARDS SUCH THAT THEY WILL HAVE TEN FEET MINIMUM CLEARANCE FROM DISTRIBUTION LINES OR 20 FEET MINIMUM CLEARANCE FROM TRANSMISSION LINES.
8. THE CONTRACTOR SHALL COORDINATE POWER SERVICE W/GEORGIA POWER, REPRESENTATIVE: MR. CHRIS BOGGS (770-405-0574).
9. ALL CONDUIT AND ELECTRICAL JUNCTION BOX (EJB) PLACEMENTS ON THE LAYOUT DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL INSTALL THEM WITHIN THE RIGHT OF WAY. EJB'S SHOULD NOT BE INSTALLED IN SIDEWALKS, IF POSSIBLE. EJB'S SHALL NOT BE INSTALLED IN WHEELCHAIR RAMPS.
10. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY DIGGING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT.
11. INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. PROJECT LIGHTING SHALL BE IN ACCORDANCE WITH GDOT SPECIFICATION SECTION 680 HIGHWAY LIGHTING AND ALL REFERENCED SECTIONS THEREIN.
12. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES BEFORE INSTALLATION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXTRA COST TO THE CLIENT.
13. NO CONDUIT IS TO BE RUN ON PRIVATE PROPERTY.
14. ALL CONDUIT WHICH IS RUN UNDER A ROADWAY SHALL BE INSTALLED PRIOR TO ANY NEW PAVING. NO NEW PAVING SHALL BE CUT TO INSTALL ELECTRICAL CONDUIT/EQUIPMENT. THE CONTRACTOR SHALL FOLLOW GDOT SPECIFICATION 682 - ELECTRICAL WIRE, CABLE, AND CONDUIT.
15. ALL ELECTRICAL MATERIALS, SUCH AS CONDUIT, CABLES, WIRES AND JUNCTION BOXES, SHALL BE NEW, U.L. LISTED AND MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, AND THE AMERICAN NATIONAL STANDARDS INSTITUTE. ELECTRICAL CONDUITS, WIRES, CIRCUIT BREAKERS, FUSES, GROUND RODS AND GROUND CONDUCTORS SHALL MEET GDOT'S STANDARD SPECIFICATION FOR PROJECTS RECEIVING FEDERAL FUNDING AND SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL). ALL SHOP DRAWINGS FOR LIGHTING STANDARDS, LUMINAIRES, CONDUIT, WIRING, LIGHTING CABINETS ETC. MUST BE SUBMITTED TO THE GDOT LIGHTING DEPARTMENT FOR REVIEW AND SIGNED APPROVAL PRIOR TO CONSTRUCTION.
16. ALL CONDUITS MUST BE SEALED AFTER INSTALLATION OF WIRES AND SUCCESSFUL TESTING OF THE CIRCUITS. THE SEALING COMPOUND SHALL BE OZ/GEDNEY TYPE 'DUX' OR APPROVED EQUAL.
17. ALL CABLES MUST BE CLEARLY LABELED AT EACH JUNCTION BOX AND TERMINATION POINT. THE WIRE MARKERS SHALL BE PVC HEAT SHRINKABLE TUBULAR TYPE AND SHOW THE CIRCUIT NUMBER.
18. CONTRACTOR SHALL INCLUDE THE COST OF THE FOUNDATION ALONG WITH THE PAY ITEM FOR THE LIGHTING STANDARD.
19. FOR ALL LIGHT POLES, A MINIMUM OF 1'-6" MUST BE MAINTAINED AT ALL TIMES FROM THE FACE OF THE CURB (OR EDGE OF THE PAVEMENT) TO THE OUTSIDE EDGE OF THE LIGHT POLE.
20. EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL UNLESS OTHERWISE NOTED.
21. ALL UNDERGROUND CONDUIT SHALL BE SCH 40 PVC. CONDUIT INSTALLED UNDERNEATH ROADWAYS AND DRIVES SHALL BE BURIED IN EARTH AT A DEPTH OF NOT LESS THAN 24".
22. CONTRACTOR SHALL ROUTE ALL CONDUIT RUNS BETWEEN EACH FIXTURE AND FROM THE LAST FIXTURE TO THE UTILITY COMPANY SERVICE LOCATION IN THE MOST DIRECT ROUTE POSSIBLE. CONTRACTOR SHALL INSTALL PULLBOXES AS NEEDED AND APPROVED BY GDOT/ENGINEER.
23. ALL POLES SUPPLIED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL) FOR APPROVED SUPPLIERS FOR PROJECTS RECEIVING FEDERAL FUNDS.
24. ALL LUMINAIRES SUPPLIED FOR THIS PROJECT MUST MEET THE GDOT STANDARD SPECIFICATION SECTION 921-LUMINAIRES AND 927-LUMINAIRES, LED FOR PROJECTS RECEIVING FEDERAL FUNDING.
25. RIGID CONDUIT, INSTALLED ON STRUCTURES, SHALL BE SUPPORTED AT LEAST EVERY 10 FEET AND WITHIN 3 FEET OF JUNCTION BOXES, LUMINAIRES, ETC.
26. THE CONTRACTOR SHALL SUBMIT PHOTOMETRIC DATA AND DESIGN CALCULATIONS, FOR THE LUMINAIRES, TO VERIFY COMPLIANCE WITH THE LIGHTING DESIGN CRITERIA.

    LIGHTING LOSS FACTOR = 0.8

    AVERAGE MAINTAINED ILLUMINANCE FOR ROADWAYS = 0.9fc MINIMUM
    UNIFORMITY RATIO (AVG/MIN.) 4:1

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REVISION DATES

LIGHTING PLANS

LIGHTING GENERAL NOTES

DAVIS DRIVE @ MANSELL ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		25-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

S1 — 70W 4000K, LED STREET LIGHT, SEE DETAIL - 'C', DWG 25-0008, 30' MOUNTING HEIGHT.

BRACKET — BID ALTERNATES 1&2 PEDESTRIAN LIGHT 31W, 3000K LED PEDESTRIAN LIGHT FACING SIDEWALK, SEE DETAIL 'F', DWG 25-0008 14'MOUNTING HEIGHT

SERVICE POINT. PROVIDE GROUND GRID AT SERVICE POINT IN ACCORDANCE WITH DETAIL - 'A', THIS DWG. PLACEMENT OF SERVICE POINT IS DIAGRAMMATIC ON THE LAYOUT DWGS. CONTACT UTILITY TO DETERMINE PLACEMENT AND ORIENTATION OF SERVICE POINT. SERVICE POINT MUST BE PLACED IN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL PROVIDE SERVICE POWER PEDESTAL IN ACCORDANCE WITH DWG. 25-0009.

EJB — ELECTRICAL JUNCTION BOX, SEE DETAIL - 'B', THS DRAWING.

PC — PHOTOCELL

2" SCHEDULE 40 PVC CONDUIT (UNLESS OTHERWISE SPECIFIED ON PLANS)

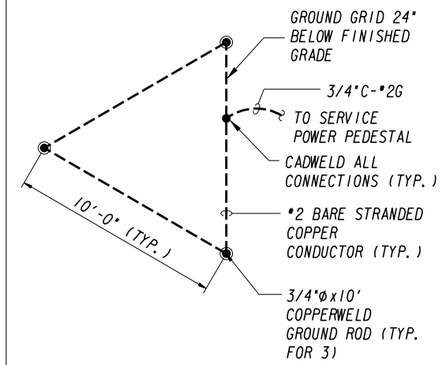
INSTALL CONDUIT BY DIRECTIONAL BORE

CONDUIT STUBBED OUT

METERING SOCKET

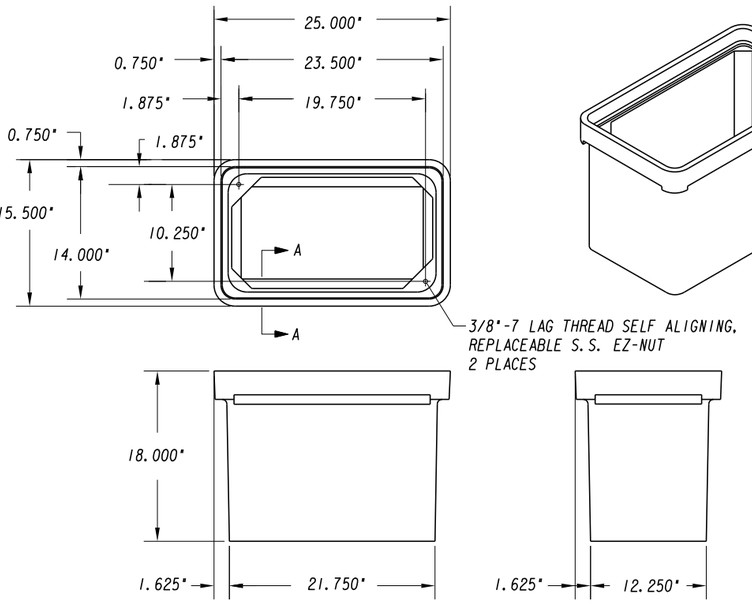
S.S. — SURGE SUPPRESSOR

CIRCUIT BREAKER



DETAIL-'A' GROUNDING DETAIL AT SERVICE POINTS

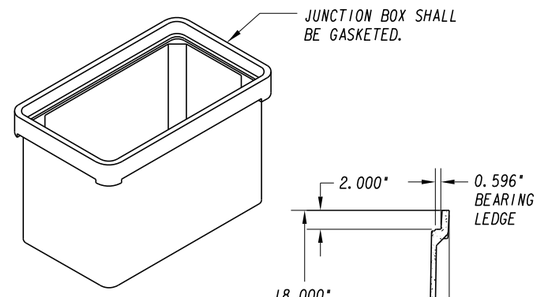
N.T.S.

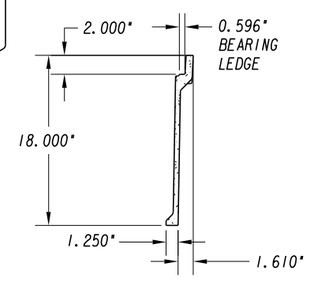


DETAIL-'B' OPEN BOTTOM JUNCTION BOX

(NOT TO SCALE)

(PROVIDE 12" COARSE AGGREGATE AT THE BOTTOM OF THE BOX.)

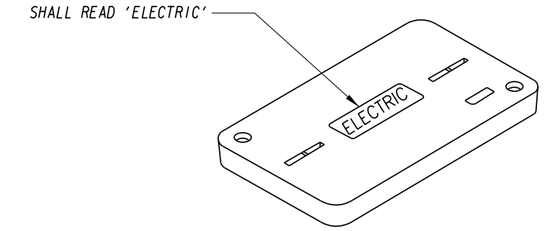


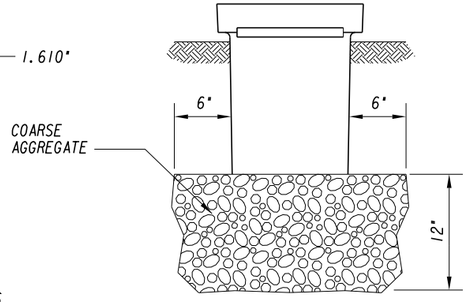


SECTION A-A

NOTE:

1. JUNCTION BOXES AND COVERS MUST BE DESIGNED FOR ASTM C-857-87 DESIGNATION-A-16 (HS20-44) AND ASTM C-497.
2. JUNCTION BOXES SHALL HAVE A WEATHER PROOF GASKET.





BASE OF BURIED OPEN BOTTOM BOX

(NOT TO SCALE)

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Fax: 678-205-2239

REVISION DATES

LIGHTING PLANS

LIGHTING GENERAL NOTES

DAVIS DRIVE @ MANSELL ROAD

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

DRAWING No. 25-0002

NOTES:
1. 2" SCH 40 PVC 2"10 (CKT 2), 1"10G
2. 2" SCH 40 PVC 2"10 (CKT 1), 1"10G

110+00 111+00 112+00 113+00 114+00

ASPHALT

S1 STA. 111+95, RT MID-POINT OF GRASS STRIP

S2 STA. 113+11, LT MID-POINT OF GRASS STRIP

S3 STA. 114+43, RT MID-POINT OF GRASS STRIP

EXIST R/W

REQD R/W

EXIST WATER MAIN

EXIST R/W

N 57°25'19.2" E ℄ OF CONST.

DAVIS DRIVE

8" DIP

NOTE 1

NOTE 2

NOTE 2

MATCH LINE STA. 115+00 - SEE DWG. NO. 25-0004

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SCALE IN FEET
0 20 40 80

REVISION DATES

LIGHTING PLANS

LIGHTING LAYOUT

DAVIS DRIVE @ MANSELL ROAD

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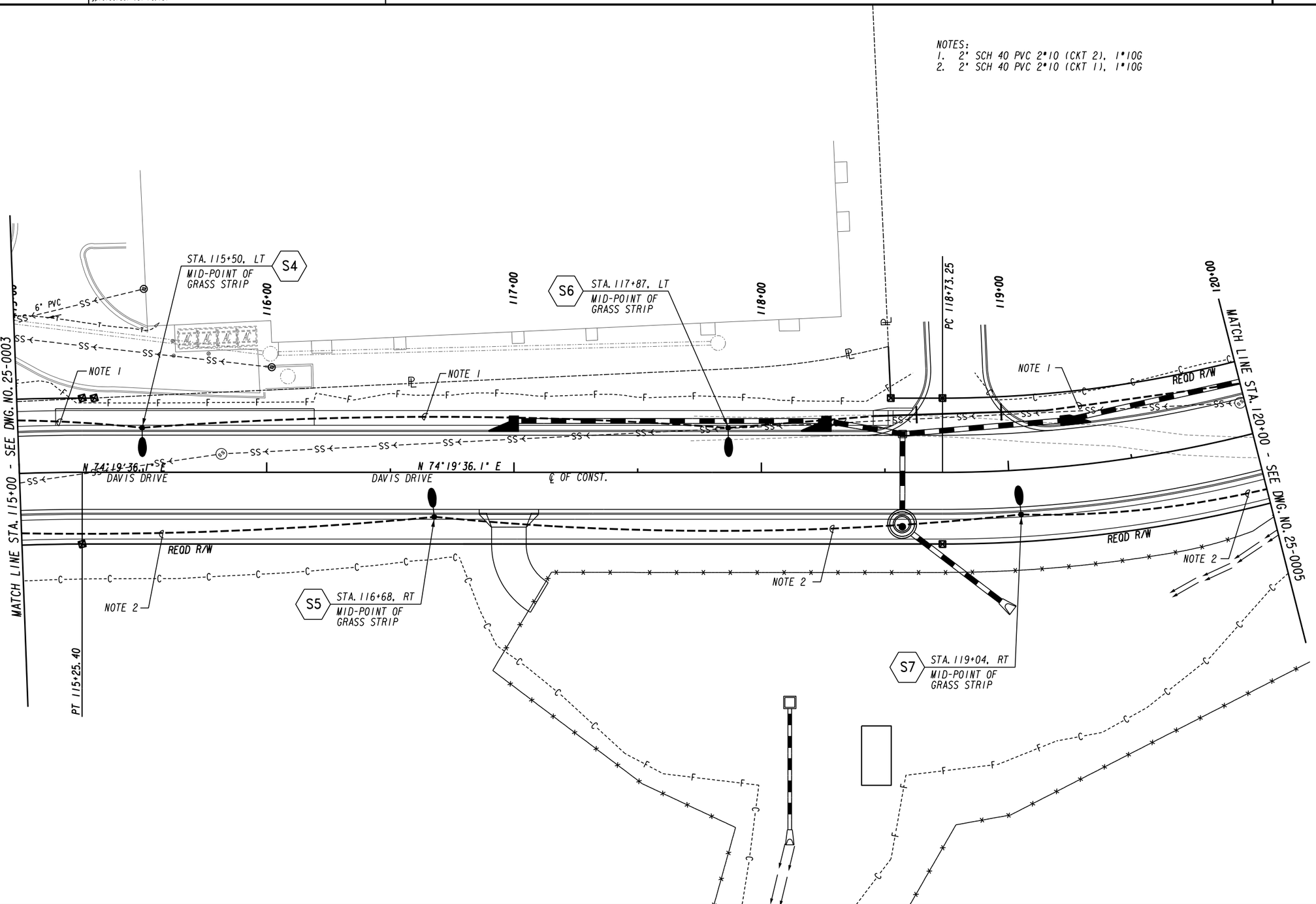
CORRECTED:		DATE:		
VERIFIED:		DATE:		

NOTES:
1. 2" SCH 40 PVC 2"ID (CKT 2), 1"IDG
2. 2" SCH 40 PVC 2"ID (CKT 1), 1"IDG



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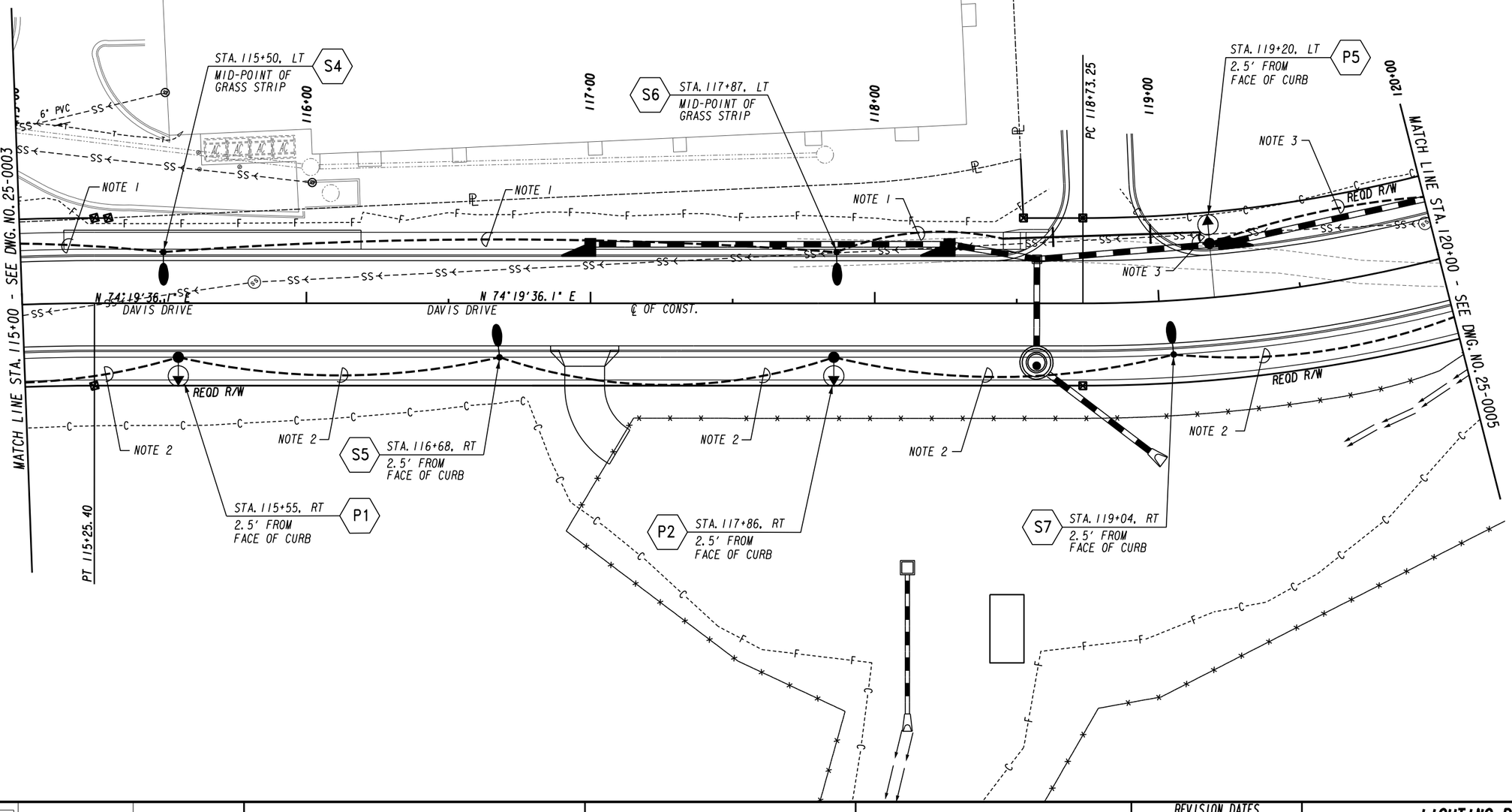
BACKCHECKED:		DATE:		25-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

BID ALTERNATE 1: ADDITION OF PEDESTRIAN LIGHTS P10-P17 FROM STATION 119+30 LT TO STATION 128+00 LT, CKT 3.

BID ALTERNATE 2: ADDITION OF PEDESTRIAN LIGHTS P1-P9, EXPANSION OF SIDEWALK, AND GRASS STRIP BETWEEN SIDEWALK AND CURB EXPANDED TO 4' FROM STATION 114+50 RT TO STATION 124+30 RT, CKT 4.

NOTES:
1. 2" SCH 40 PVC 2"IO (CKT 2), 1"IOG
2. 2" SCH 40 PVC 2"IO (CKT 1), 2"IO (CKT 4), 1"IOG
3. 2" SCH 40 PVC 2"IO (CKT 2), 2"IO (CKT 3), 1"IOG



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REVISION DATES

LIGHTING PLANS
LIGHTING LAYOUT
BID ALTERNATE
DAVIS DRIVE @ MANSELL ROAD

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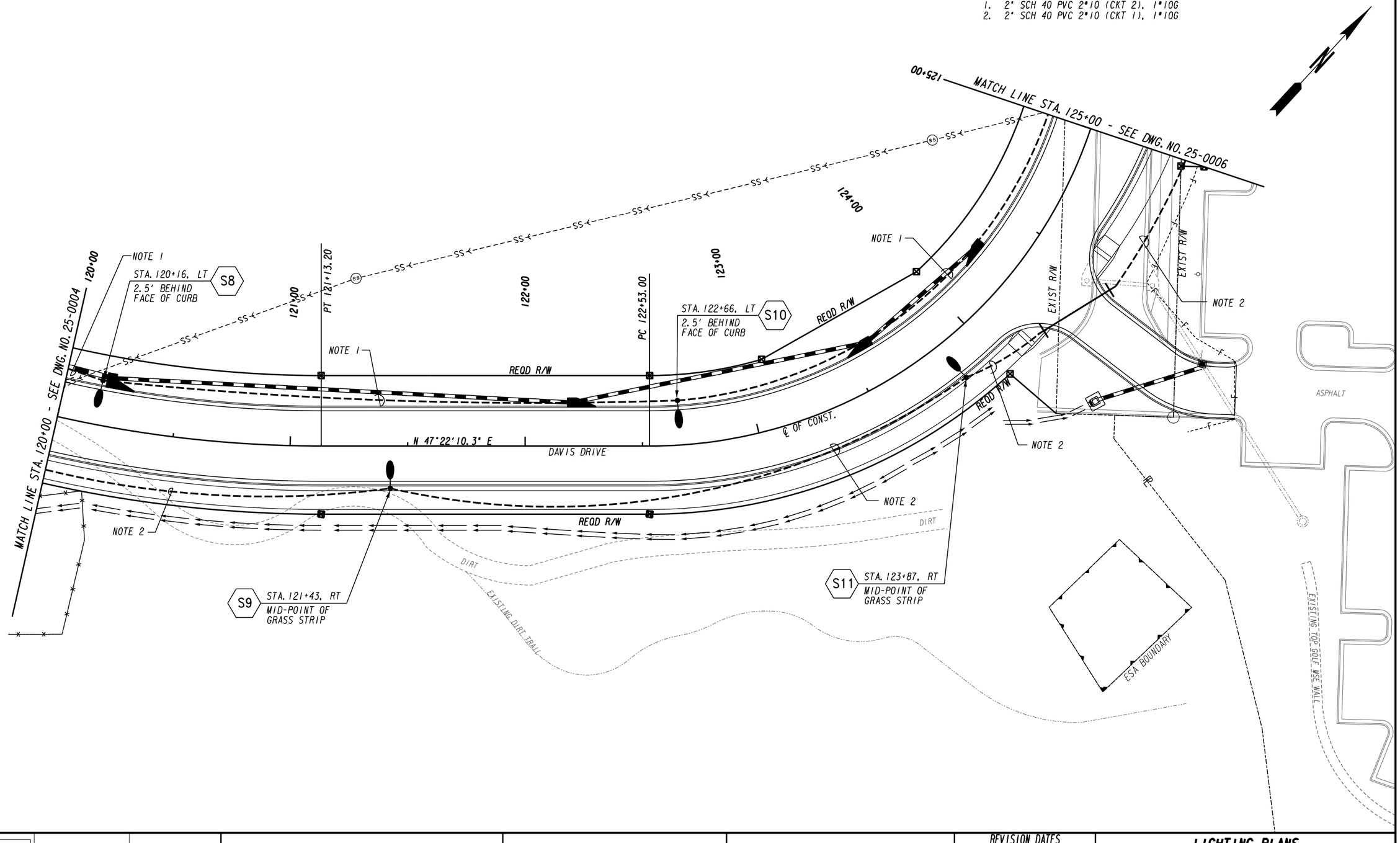
VERIFIED:		DATE:		

10/23/2015 GPLN

NOTES:
1. 2" SCH 40 PVC 2"IO (CKT 2), 1"IOG
2. 2" SCH 40 PVC 2"IO (CKT 1), 1"IOG



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LIGHTING LAYOUT

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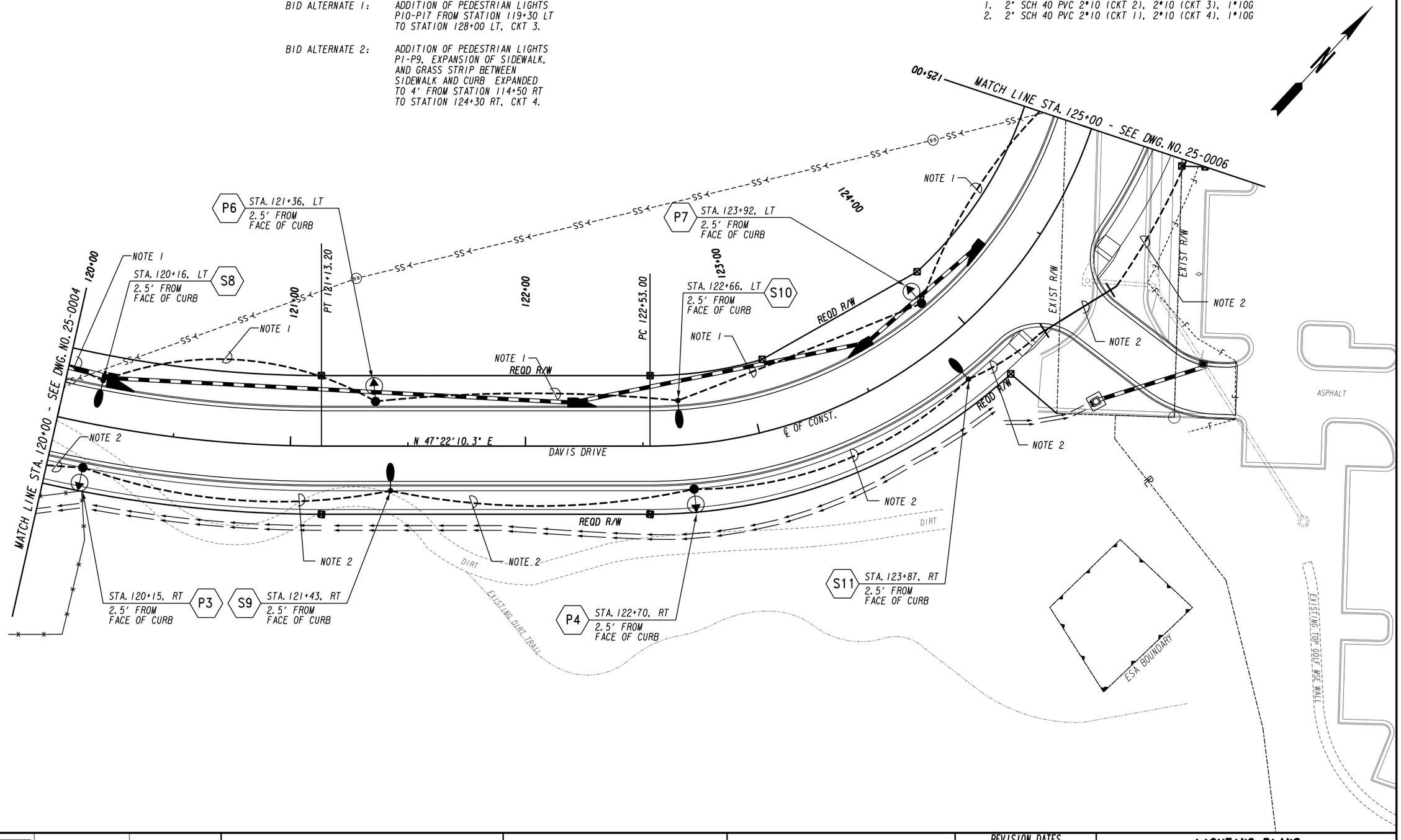
VERIFIED:		DATE:		

BID ALTERNATE 1: ADDITION OF PEDESTRIAN LIGHTS P10-P17 FROM STATION 119+30 LT TO STATION 128+00 LT, CKT 3.

BID ALTERNATE 2: ADDITION OF PEDESTRIAN LIGHTS P1-P9, EXPANSION OF SIDEWALK, AND GRASS STRIP BETWEEN SIDEWALK AND CURB EXPANDED TO 4' FROM STATION 114+50 RT TO STATION 124+30 RT, CKT 4.

NOTES:
1. 2" SCH 40 PVC 2"10 (CKT 2), 2"10 (CKT 3), 1"10G
2. 2" SCH 40 PVC 2"10 (CKT 1), 2"10 (CKT 4), 1"10G



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CORRECTED:		DATE:		
VERIFIED:		DATE:		

NOTES:
1. 2" SCH 40 PVC 2"IO (CKT 1), 2"IO (CKT 2), 1"IOG, SPARE 2" SCH 40 PVC CONDUIT W/PULLWIRE, STUBBED UP AND SEALED IN ELECTRICAL JUNCTION BOX.
2. 2" SCH 40 PVC 2"IO (CKT 2), 1"IOG
3. 2" SCH 40 PVC 2"IO (CKT 1), 1"IOG

NOTE 1
NOTE 2
NOTE 3
S12 STA. 125+09, LT 2.5' BEHIND FACE OF CURB
S13 STA. 126+30, RT MID-POINT OF GRASS STRIP
S14 STA. 127+46, LT 2.5' BEHIND FACE OF CURB
SP-1 SERVICE POWER PEDESTAL
125+00
125+58.51
126+00
127+00
128+00
129+00
129+50
REQD R/W
EXIST R/W
DAVIS DRIVE
℄ OF CONST.
N 41°02'13.7" W
MATCH LINE STA. 125+00 - SEE DWG. NO. 25-0005
ASPHALT
RETAIN
RETROFIT TO MANHOLE ADJUST TOGRADE
WESTSIDE PARKWAY
SANCTUARY PARKWAY

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REVISION DATES

LIGHTING PLANS
LIGHTING LAYOUT
DAVIS DRIVE @ MANSELL ROAD

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10/23/2015 GPLN

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BID ALTERNATE 2: ADDITION OF PEDESTRIAN LIGHTS P1-P9, EXPANSION OF SIDEWALK, AND GRASS STRIP BETWEEN SIDEWALK AND CURB EXPANDED TO 4' FROM STATION 114+50 RT TO STATION 124+30 RT, CKT 4.

NOTES:
1. 2" SCH 40 PVC 2#10 (CKT 1), 2#10 (CKT 2), 2#10 (CKT 3), 2#10 (CKT 4), 1#10G SPARE 2" SCH 40 PVC CONDUIT W/PULLWIRE, STUBBED UP AND SEALED IN ELECTRICAL JUNCTION BOX.
2. 2" SCH 40 PVC 2#10 (CKT 2), 2#10 (CKT 3), 1#10G
3. 2" SCH 40 PVC 2#10 (CKT 1), 2#10 (CKT 4), 1#10G

NOTE 2
STA. 125+09, LT S12
2.5' FROM FACE OF CURB
STA. 126+03, LT P8
2.5' FROM FACE OF CURB
S14 STA. 127+46, LT
2.5' FROM FACE OF CURB
P9 STA. 126+83, LT
2.5' FROM FACE OF CURB
SP-1 SERVICE POWER PEDESTAL
NOTE 1
NOTE 3
STA. 125+58.51
125+00
126+00
127+00
128+00
129+00
129+50
REQD R/W
EXIST R/W
DAVIS DRIVE
℄ OF CONST.
N 41°02'13.7" W
MATCH LINE STA. 125+00 - SEE DWG. NO. 25-0005
RETAIN
ASPHALT
WESTSIDE PARKWAY
SANCTUARY PARKWAY
RETROFIT TO MANHOLE ADJUST TOGRADE
STA. 126+30, RT S13
2.5' FROM FACE OF CURB

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BID ALTERNATE
DAVIS DRIVE @ MANSELL ROAD

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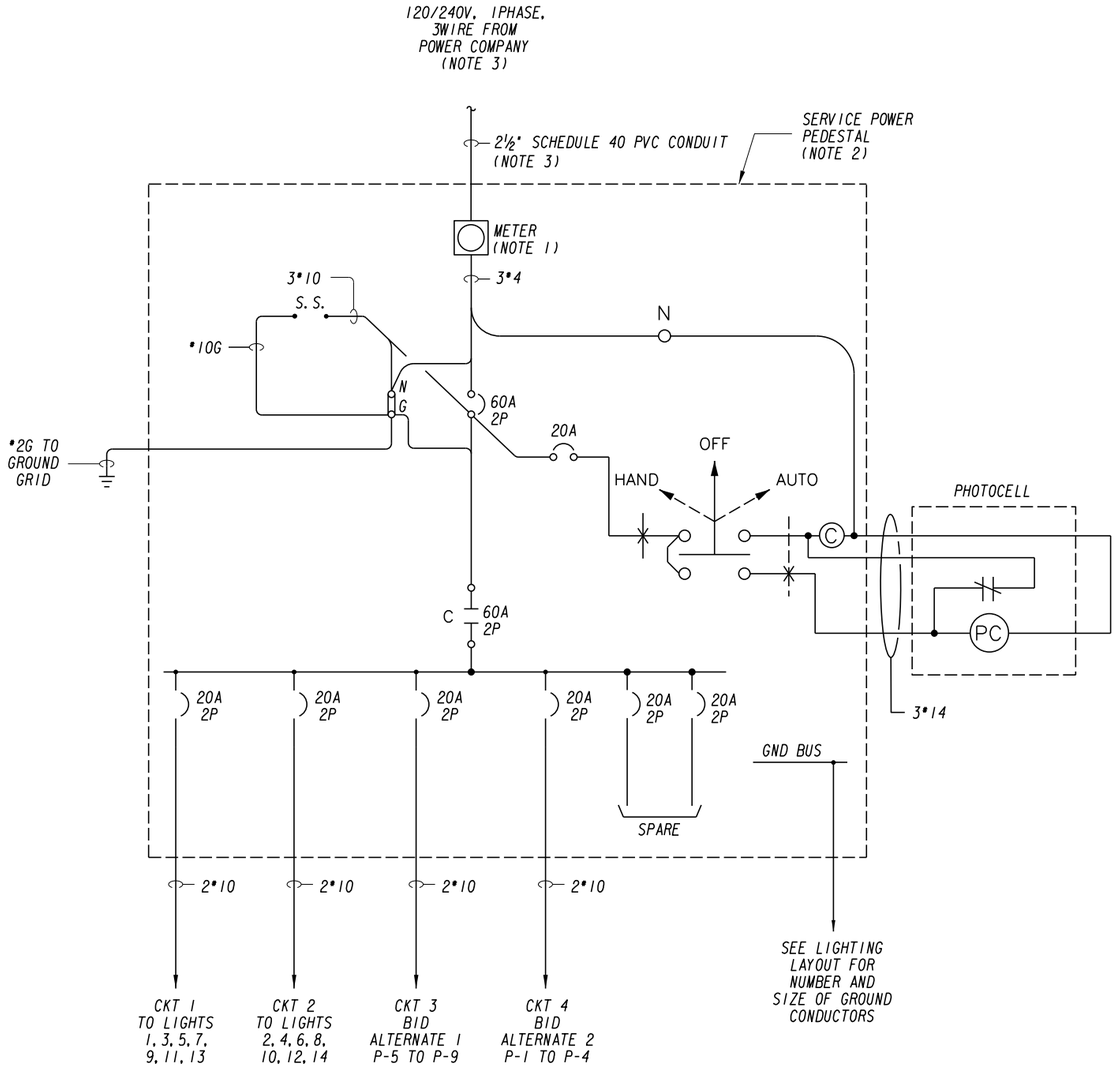
10/23/2015 GPLN



SINGLE LINE DIAGRAM
SERVICE POINT NO. 1

N. T. S.

NOTES:

1. CONTRACTOR SHALL INSTALL METER IN THE UTILITY SECTION OF THE SERVICE POWER PEDESTAL.
2. REFER TO DWG. 25-0009 FOR THE DETAILS AND SPECIFICATIONS FOR THE SERVICE POWER PEDESTAL.
3. CONTRACTOR SHALL COORDINATE WITH GEORGIA POWER COMPANY FOR LOCATION OF POWER SERVICE. SEE PLAN SHEET 25-0006 FOR APPROXIMATE LOCATION OF SERVICE POINT. THE POWER SERVICE CABLE TO THE UTILITY SIDE OF THE METER WILL BE FURNISHED AND INSTALLED BY THE POWER COMPANY.

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19062AT

ATLANTA CONSULTING ENGINEERS
500 SUN VALLEY DRIVE
UNIT G2
ROSWELL, GEORGIA 30076
bal@atlconsengrs.com
Tel: 678-205-2240
Fax: 678-205-2239

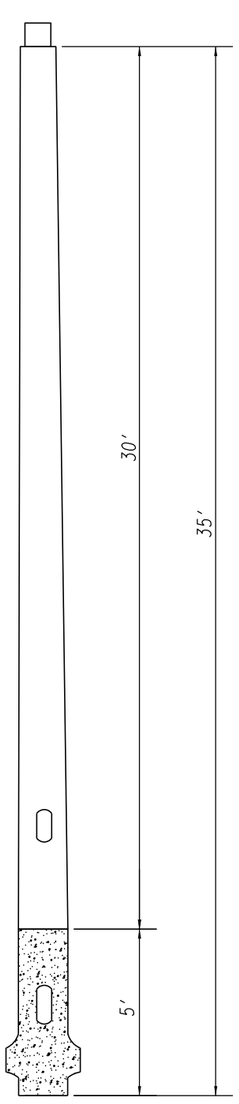
REVISION DATES		

LIGHTING PLANS

SINGLE LINE DIAGRAM

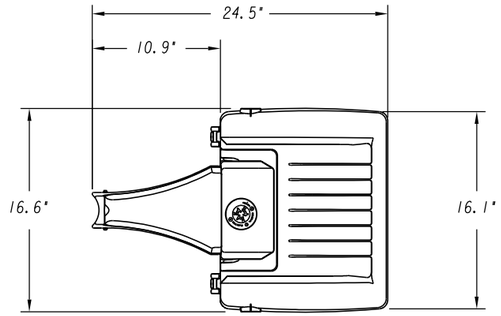
DAVIS DRIVE @ MANSELL ROAD

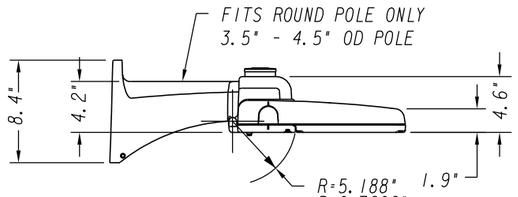
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		25-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		



DETAIL-'D'
STREET LIGHT POLE
N.T.S.

POLE: SHAKESPEARE BSW35, 30'MH, DIRECT BURIAL ROUND BREAKAWAY TAPERED COMPOSITE TUFF-POLE OR APPROVED EQUAL

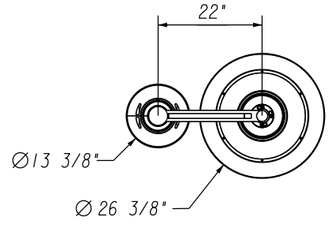




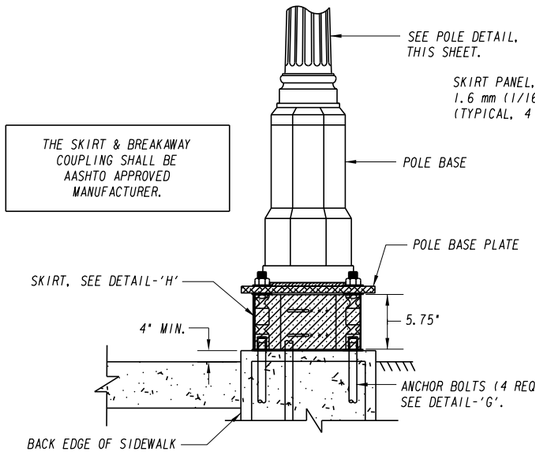
10" ARM MOUNT
ROUND POLE ONLY

DETAIL-C
G.E. EVOLVE N SERIES EANB FIXTURE
(N.T.S.)

EANB 3 C27 40 I B
OR APPROVED EQUAL

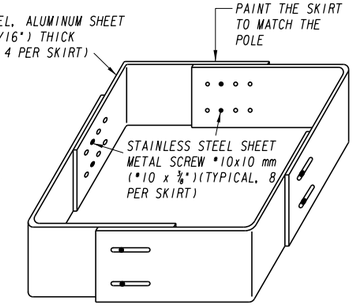


BRACKET & POLE: CS12 SIE BKTX
PL-SM 4 AL R 13.33 H BKTX WH SPL020784
ALLEGRA: ALG7200 240 CSL S40 30K CRI 70 2BKTX DIM TM



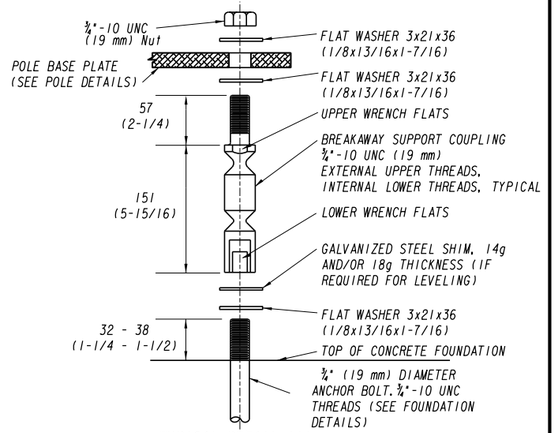
THE SKIRT & BREAKAWAY COUPLING SHALL BE AASHTO APPROVED MANUFACTURER.

DETAIL-'G'
BREAKAWAY COUPLING
(N.T.S.)

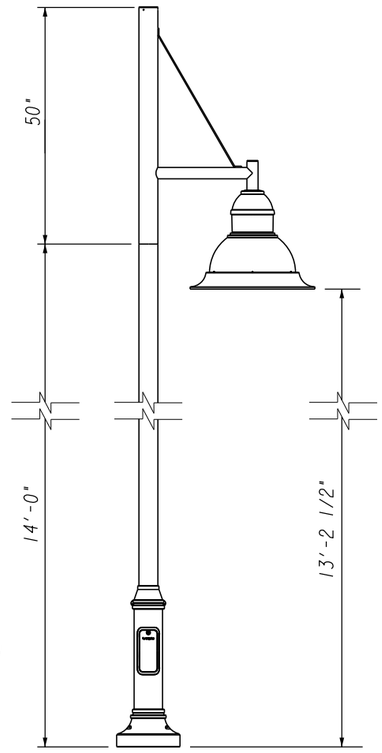


DETAIL-'H'
SKIRT PANEL OVERLAP CONFIGURATION

* FOR BID ALTERNATE 1 #& 2 PEDESTRIAN LIGHTS

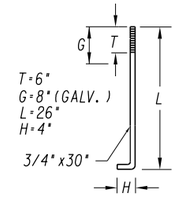


TYPICAL DETAIL-'I'
ANCHOR BOLT DETAIL
(PRICE OF ANCHOR BOLT AND BREAKAWAY COUPLING IS TO BE INCLUDED IN THE PAY ITEM FOR LIGHTING STANDARD.)



DETAIL-'F'
PEDESTRIAN LIGHT
N.T.S.

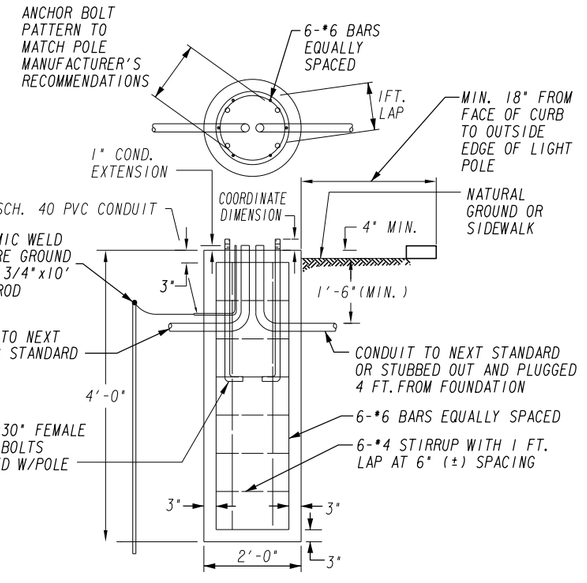
* FOR BID ALTERNATE 1 #& 2 PEDESTRIAN LIGHTS



MATERIAL = AASHTO M314 GRADES 55 S-1

SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL).

ANCHOR BOLT DETAIL
N.T.S.



DETAIL-'E'
FOUNDATION FOR PEDESTRIAN LIGHT POLE
N.T.S.
(PRICE OF FOUNDATION IS TO BE INCLUDED IN THE PAY ITEM FOR LIGHTING STANDARD.)

* FOR BID ALTERNATE 1 #& 2 PEDESTRIAN LIGHTS

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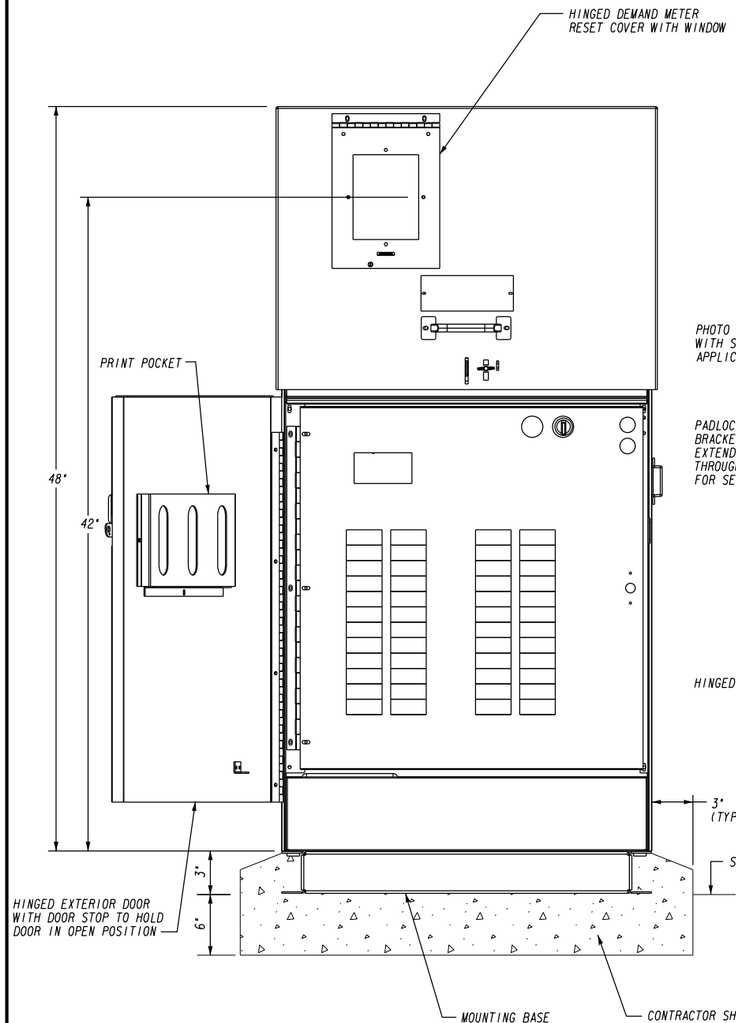
REVISION DATES

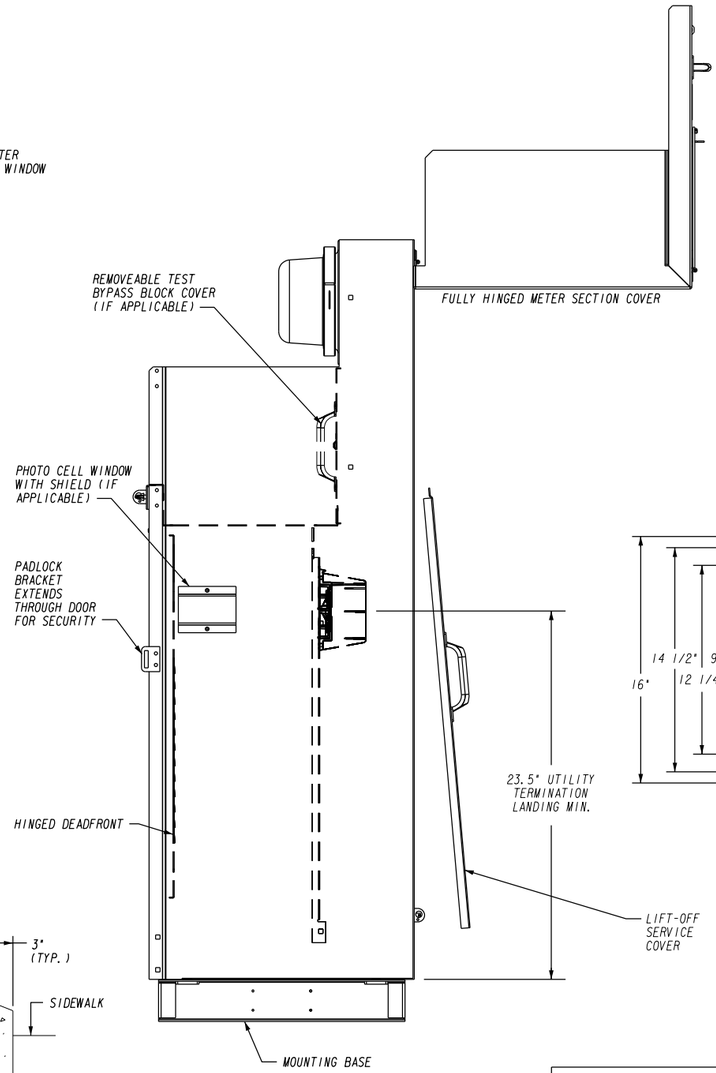
LIGHTING PLANS
LIGHTING DETAILS
DAVIS DRIVE @ MANSELL ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		25-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

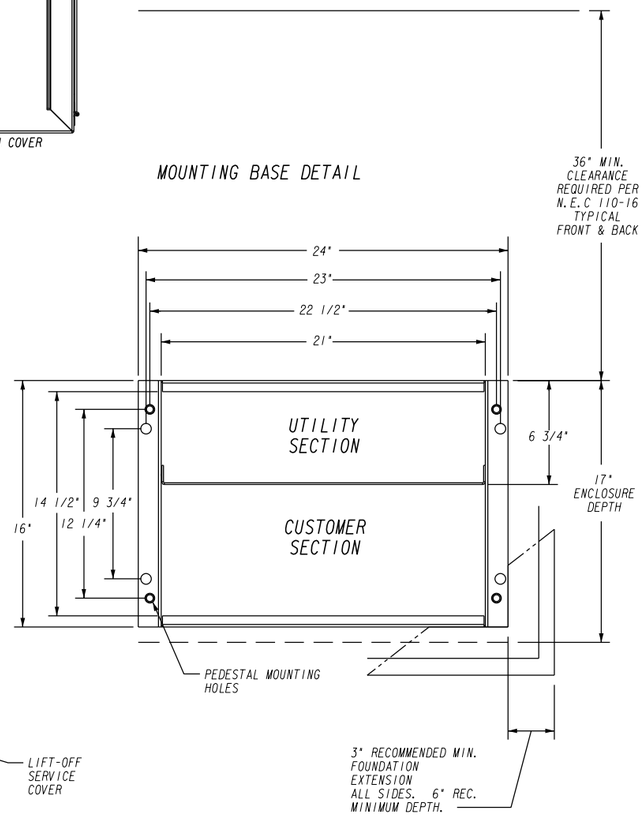
NOTES:

1. THE DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. THE CONTRACTOR SHALL OBTAIN THE ACTUAL DIMENSIONS FROM THE SERVICE POWER PEDESTAL MANUFACTURER.
2. SUBGRADE SOILS SHALL BE CLEAN, SILT/SAND BASED EARTH, FREE OF ROOTS, DEBRIS AND ORGANIC MATERIALS. SUBGRADE SHALL BE LEVEL AND COMPACTED WITH MECHANICAL COMPACTING EQUIPMENT, AS NECESSARY TO RESIST SIGNIFICANT PENETRATION FROM A 3/4" DIAMETER, STEEL PROBE ROD. SOFT, LOOSE, WET OR OTHERWISE UNSUITABLE SUBGRADE MATERIALS SHALL BE REMOVED AND REPLACED WITH #57 STONE, PRIOR TO PLACEMENT OF CONCRETE.





SERVICE POWER PEDESTAL
(NOTE 1)



NOTE: POWER PEDESTAL INCLUDED IN MAIN SERVICE PICKUP POINT

SERVICE POWER PEDESTAL SPECIFICATIONS

THE SERVICE POWER PEDESTALS SHALL BE PROVIDED AT EACH SERVICE POINT AND SHALL CONSIST OF ALL THE COMPONENTS INDICATED ON THE SINGLE LINE DIAGRAMS.

THE RATINGS SHALL BE AS FOLLOWS:

VOLTAGE RATING: (120/240V, 1 PHASE, 3 WIRE)

*AVAILABLE SHORT CIRCUIT CURRENT:14,000A.R.M.S.SYMMETRICAL

CURRENT RATING: SEE SINGLE LINE DIAGRAMS

THE PEDESTAL SHALL BE OF NEMA TYPE 3R RAINPROOF CONSTRUCTION AND SHALL BE UL LISTED AS "ENCLOSED INDUSTRIAL CONTROL EQUIPMENT" (UL 508A). EXTERNAL CONSTRUCTION SHALL COMPLY WITH UL50 REQUIREMENTS AND SHALL BE OF ALUMINUM WITH LIGHT GREEN #14672 FEDERAL SPECIFICATION 595 POLYURETHANE INDUSTRIAL GRADE POWDER PAINT OF 1.7 MIL MINIMUM THICKNESS. INTERNAL CONSTRUCTION SHALL BE G 90 GALVANIZED STEEL WITH 1.7 MIL MINIMUM THICKNESS POLYURETHANE INDUSTRIAL GRADE POWDER COAT PAINT. NO FASTENERS EXCEPT SEALING SCREWS SHALL BE REMOVABLE BY EXTERNAL ACCESS. HINGES SHALL BE STAINLESS STEEL AND OF THE CONTINUOUS PIANO HINGE TYPE.

THE PEDESTAL MOUNTING BOLTS SHALL NOT BE EXTERNALLY ACCESSIBLE. THE PEDESTAL SHALL BE OFFERED WITH AN OPTIONAL BASE DESIGNED TO BE EMBEDDED IN CONCRETE IN PLACE OF ANCHOR BOLTS.

THE SERVICE PEDESTAL MUST HAVE TWO SEPARATE ISOLATED SECTIONS FOR UTILITY TERMINATION AND CUSTOMER EQUIPMENT.

THE UTILITY TERMINATION SECTION MUST BE PAD-LOCKABLE AND SEALABLE AND SHALL HAVE A STAINLESS STEEL HANDLE PROVIDED ON A LIFT-OFF COVER. SUFFICIENT CLEARANCE SHALL BE PROVIDED FOR THE INDICATED CONDUIT FOR UTILITY CABLES ENTRANCE. UTILITY LANDING LUGS SHALL BE UL LISTED AND SHALL ACCOMMODATE #6 - 350 KCMIL CONDUCTORS.

THE CUSTOMER COMPARTMENT DOOR SHALL BE HINGED ON THE LEFT HAND SIDE. A STAINLESS PAD-LOCKABLE HASP TO BE PROVIDED TO SECURE CUSTOMER COMPARTMENT. A DOOR KEEPER PROVIDED TO KEEP THE DOOR IN AN OPEN POSITION. A PRINT POCKET ON THE INSIDE OF THE DOOR SHALL HOLD ALL WIRING SCHEMATICS, CIRCUIT DIRECTORIES AND INSTRUCTIONS IN A CLEAR WEATHER-PROOF SLEEVE. REQUIRED UL LABELING SHALL BE LOCATED ON THE INSIDE OF THE CUSTOMER DOOR. DISTRIBUTION AND CONTROL EQUIPMENT SHALL BE BEHIND AN INTERNAL DEAD-FRONT DOOR WITH A QUARTER-TURN SECURING LATCH AND BE HINGED TO OPEN MORE THAN 90 DEGREES. THE DEAD-FRONT DOOR SHALL BE HINGED ON THE SAME SIDE AS THE CUSTOMER SECTION DOOR. ALL DISTRIBUTION AND CONTROL EQUIPMENT SHALL BE FACTORY WIRED USING 600 VOLT WIRE SIZED TO NEC AND UL REQUIREMENTS.

CIRCUIT BREAKERS SHALL BE PERMANENTLY LABELED WITH ENGRAVED NAME PLATES. THE CONTACTORS FOR THE SWITCHED SECTION SHALL BE CONTROLLED FROM 'HAND-OFF-AUTO' SELECTOR SWITCHES PROVIDED ON THE DOOR. A PHOTOCELL PROVIDED WITH EACH SERVICE PEDESTAL SHALL CONTROL THE CONTACTOR IN THE 'AUTO' POSITION OF THE SELECTOR SWITCH. PHOTOCELL SHALL USE N.C. CONTACT.

A SURGE SUPPRESSOR ASCO CATALOG NO.425-120S-P10AWAJ10 SHALL BE PROVIDED INSIDE EACH SERVICE POWER PEDESTAL ENCLOSURE.

THE SERVICE POWER PEDESTAL SHALL BE WILBANK CP3B SL SERIES OR APPROVED EQUAL, CUSTOM BUILT FOR EACH SERVICE POINT IN ACCORDANCE WITH THE SINGLE LINE DIAGRAM.

SEE DETAIL 'A', SHEET 25-0002 FOR GROUNDING INFORMATION.

* CONTRACTOR SHALL CONFIRM R.M.S. SYMMETRICAL RATING.

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bal@atlconsengrs.com
Tel: 678-205-2240
Fax: 678-205-2239

REVISION DATES

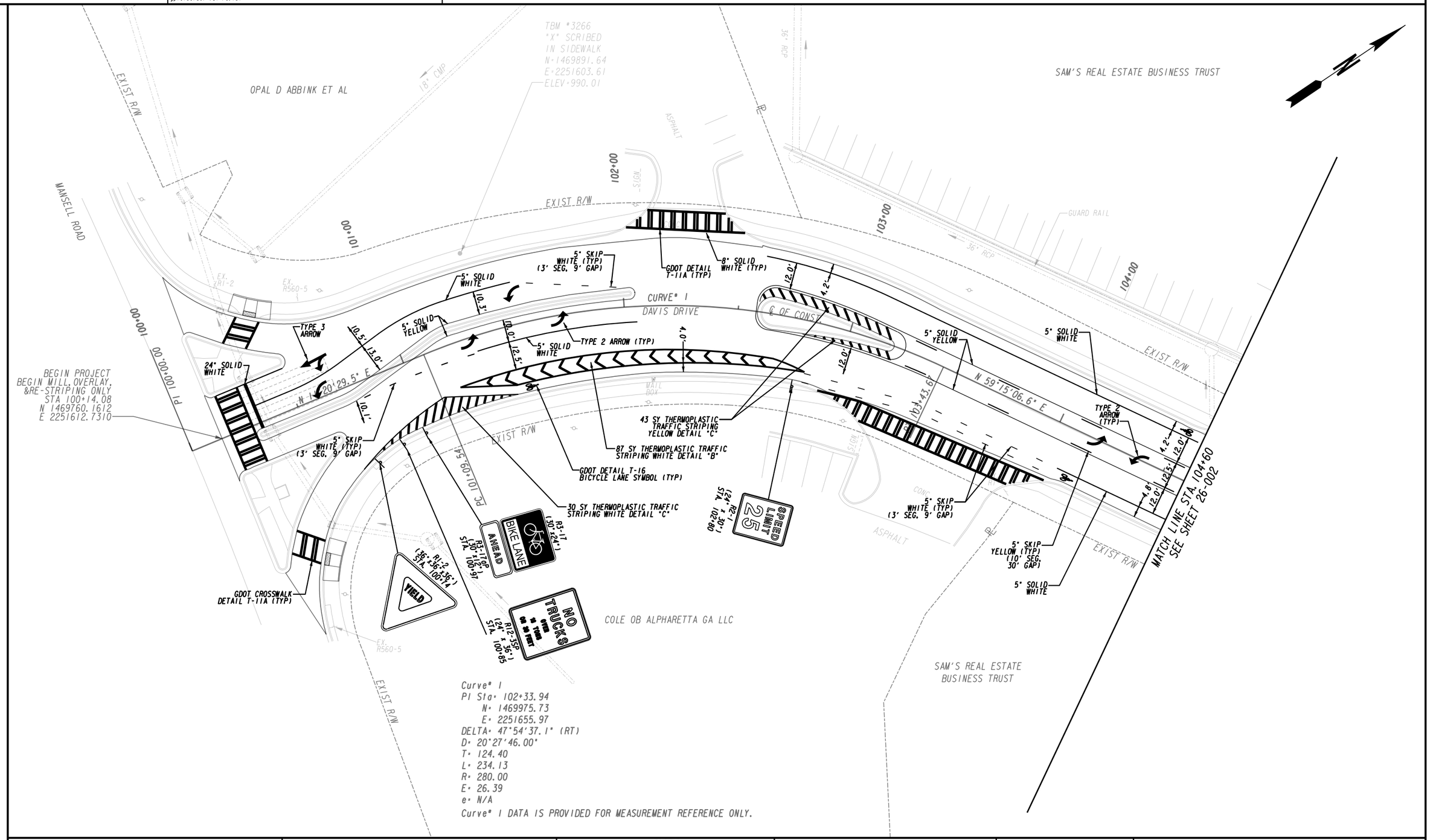
LIGHTING PLANS

LIGHTING DETAILS

DAVIS DRIVE @ MANSELL ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		25-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



Curve# 1
PI Sta: 102+33.94
N: 1469975.73
E: 2251655.97
DELTA: 47°54'37.1" (RT)
D: 20°27'46.00"
T: 124.40
L: 234.13
R: 280.00
E: 26.39
e: N/A
Curve# 1 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

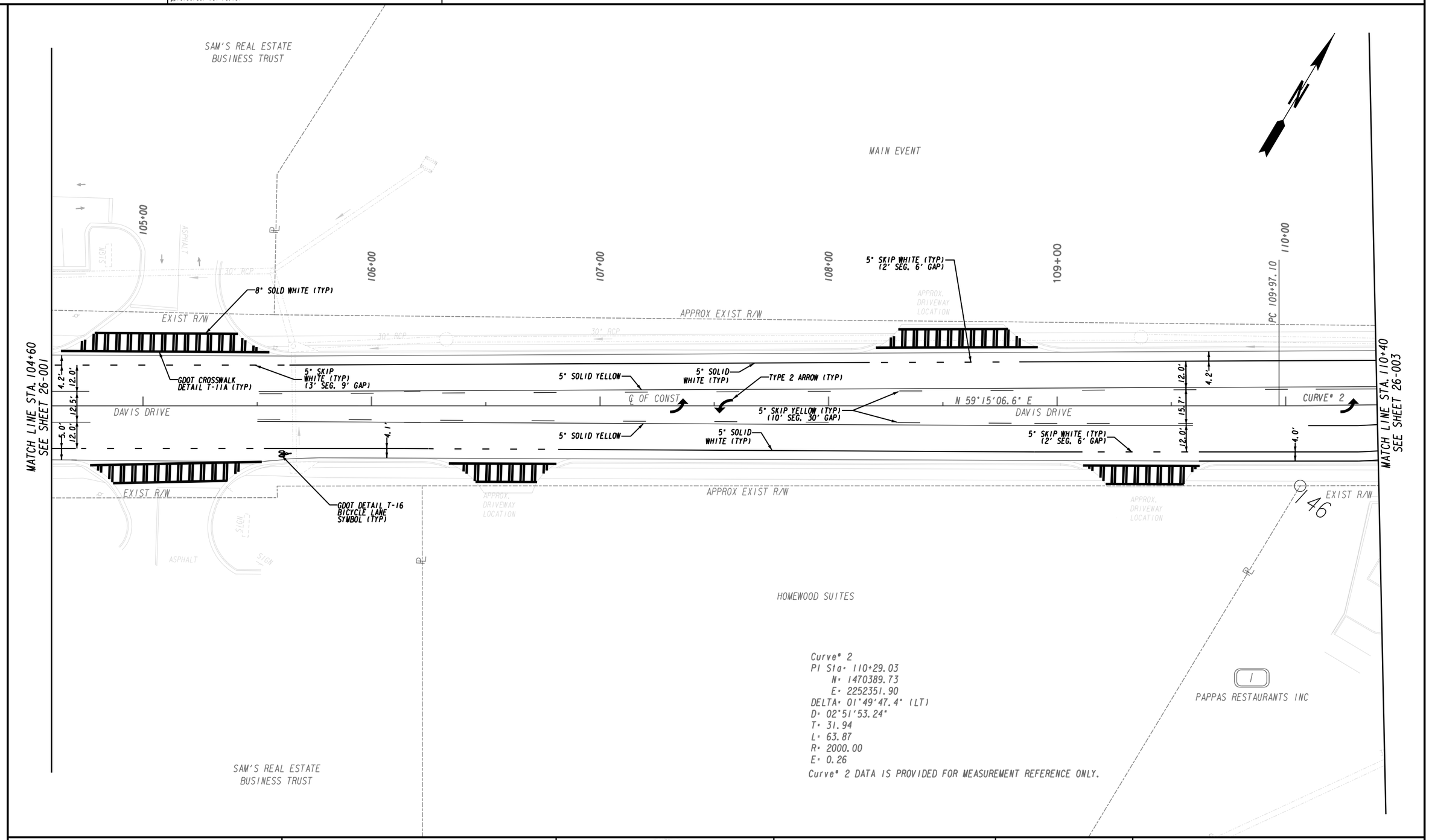
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SIGNING AND MARKING PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 26-001

01/26/2015 GPLN



Curve# 2
PI Sta: 110+29.03
N: 1470389.73
E: 2252351.90
DELTA: 01°49'47.4" (LT)
D: 02°51'53.24"
T: 31.94
L: 63.87
R: 2000.00
E: 0.26

Curve# 2 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SIGNING AND MARKING PLANS

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 26-002

01/26/2015 GPLN

MAIN EVENT

BEGIN CONSTRUCTION WITH FULL DEPTH ASPHALT CONSTRUCTION
END MILL, OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470454.8663
E 2252453.8330

2
ALPHARETTA FAMILY SKATE CENTER

Curve* 3
PI Sta* 114+24.36
N* 1470602.59
E* 2252685.02
DELTA* 16°54'16.8" (RT)
D* 08°18'13.45"
T* 102.53
L* 203.58
R* 690.00
E* 7.58
e* 2.6%

MATCH LINE STA. 110+40
SEE SHEET 26-002

PT 110+60.97

SPEED LIMIT 25
R2-1 (24" x 30")
STA. 111+20

R1-1(30" OCT)
STA. 111+46

STOP

24" SOLID WHITE

REQD R/W

TYPE 2 ARROW

5" DOUBLE SOLID YELLOW

12.0'

4.0'

11.5'

4.0'

℄ OF CONST.

DAVIS DRIVE

5" SKIP WHITE (TYP)
(2' SEG. 6' GAP)

GDOT CROSSWALK
DETAIL T-11A (TYP)

TP D

EX. NO THRU TRAFFIC SIGN

EX. CONC MSE WALL

TESMT

DWESMT

ASPHALT

111+00

112+00

113+00

114+00

115+00

PREFORMED PLASTIC SOLID PVMT WKG 8 IN WHITE. TP PB

REMOVE EXISTING R1-1 SIGN

103 SY THERMOPLASTIC TRAFFIC STRIPING YELLOW DETAIL "B"

AREA 1

PREFORMED PLASTIC SOLID PVMT WKG 24 IN WHITE. TP PB

5" SOLID WHITE

CURVE* 3

5" SOLID WHITE STRIPE (TYP)

6' SIDEWALK

8' SIDEWALK

PL

PC 113+21.82

STOP
R1-1
(30" x 30")
STA. 113+00

GDOT DETAIL T-16
BICYCLE LANE
SYMBOL (TYP)

5" SKIP WHITE (TYP)
(2' SEG. 6' GAP)

PREFORMED PLASTIC SOLID PVMT WKG 24 IN WHITE. TP PB

STOP
R1-1
(30" x 30")
STA. 114+28

SPEED LIMIT 25
R2-1 (24" x 30")
STA. 114+60

AREA 3

PT 115+25.40

3
ROCK MILL 400 LP

MATCH LINE STA. 115+80
SEE SHEET 26-004

STOP
R1-1(30" OCT)
STA. 111+65

PREFORMED PLASTIC SOLID PVMT WKG 24 IN WHITE. TP PB

PREFORMED PLASTIC SOLID PVMT WKG 8 IN WHITE. TP PB

REMOVE AND RESET EXISTING R1-1 SIGN AND POST TO STATION 111+65

8" SOLID CONTRAST (BLACK-YELLOW). TP PB

EXISTING CONCRETE PARKING LOT

1
PAPPAS RESTAURANTS INC

NOTES:
1. PROPOSED STRIPING ON THE PAPPADEAUX SITE SHALL MATCH EXISTING.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA
PUBLIC WORKS

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400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

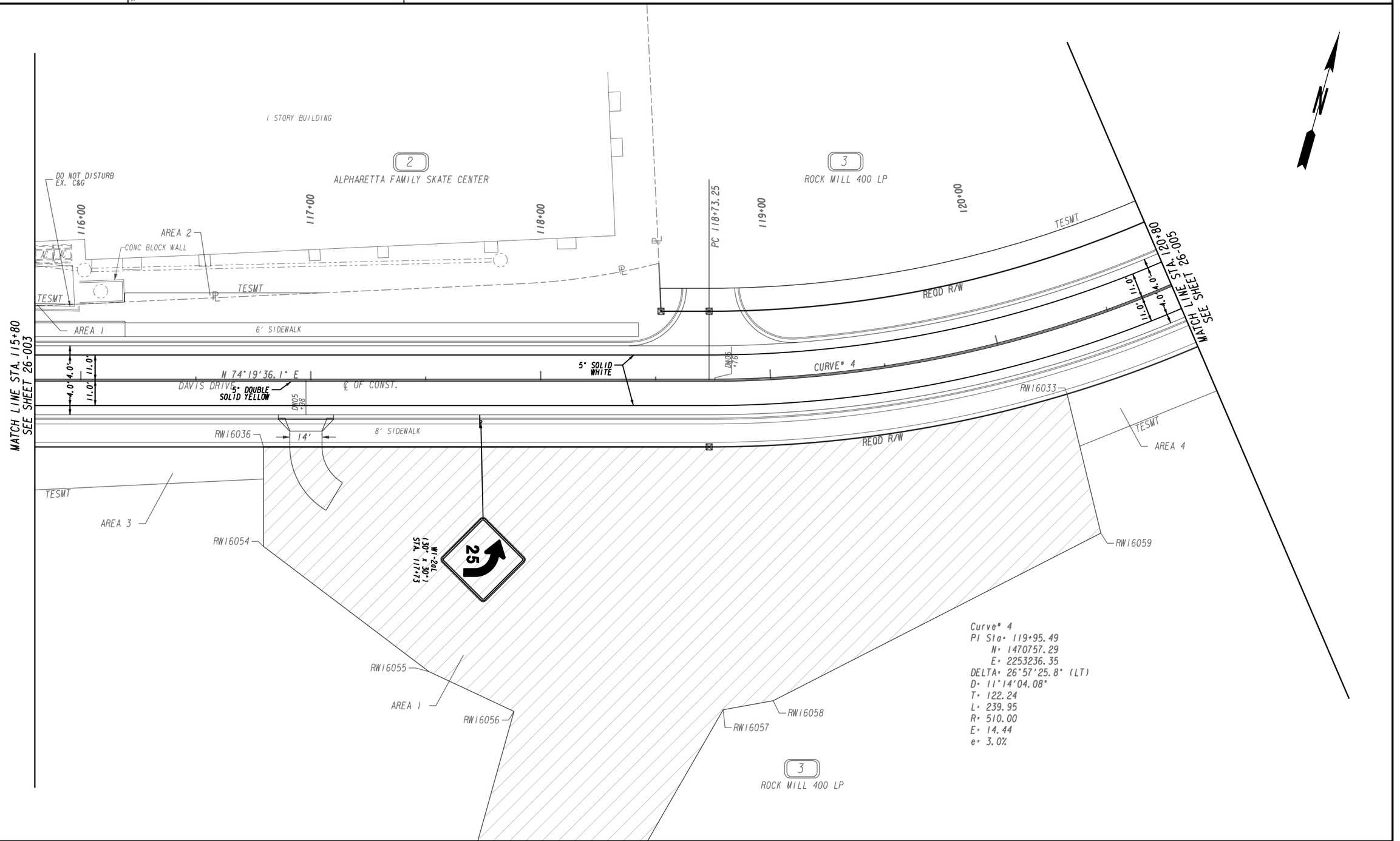
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SIGNING AND MARKING PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 26-003

01/26/2015 GPLN



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
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SCALE IN FEET
0 20 40 80

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DEPARTMENT OF PUBLIC WORKS

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DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALHPARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 26-004

01/26/2015 GPLN

Curve# 5
PI Sta= 124+45.57
N= 1471065.18
E= 2253570.82
DELTA= 88°24'23.9" (LT)
D= 28°56'14.14"
T= 192.57
L= 305.51
R= 198.00
E= 78.20
e= 4.0%

3
ROCK MILL 400 LP

GDOT DETAIL T-16
BICYCLE LANE SYMBOLS (TYP)
GDOT CROSSWALK
DETAIL T-11A (TYP)

MATCH LINE STA 124+80
SEE SHEET 26-006

STRIPE 12" SOLID WHITE
BOX BORDER
STRIPE 24" SOLID WHITE
INSIDE THE BOX TO FORM AN "X"

PC 122+53.00

124+00
123+00
122+00
121+00
PT 121+13.20

TESMT
REQD R/W
CURVE 5

STOP
R1-1(30" OCT)
STA. 124+49

24" SOLID WHITE
5" DOUBLE SOLID YELLOW
8" SOLD WHITE (TYP)
5" SKIP WHITE
(2' SEG. 6' GAP)
5" SOLID WHITE
5" DOUBLE SOLID YELLOW
5" SOLID WHITE
℄ OF CONST.
N 47°22'10.3" E
DAVIS DRIVE
8' SIDEWALK
REQD R/W
TESMT

DWESMT
EX. R1-1
ASPHALT

DO NOT BLOCK
THE BOX
R1-5(36")
(30" x 30")
STA. 123+80

MATCH LINE STA. 120+80
SEE SHEET 26-004

4
30 WEST PERSHING LLC

EXISTING TOP GOLF MSE WALL

ESA BOUNDARY

Curve# 4
PI Sta= 119+95.49
N= 1470757.29
E= 2253236.35
DELTA= 26°57'25.8" (LT)
D= 11°14'04.08"
T= 122.24
L= 239.95
R= 510.00
E= 14.44
e= 3.0%

3
ROCK MILL 400 LP

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA
PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SIGNING AND MARKING PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 26-005

01/26/2015 GPLN

Curve* 5
PI Sta* 124+45.57
N* 1471065.18
E* 2253570.82
DELTA* 88°24'23.9" (LT)
D* 28°56'14.14"
T* 192.57
L* 305.51
R* 198.00
E* 78.20
e* 4.0%

MATCH LINE STA. 124+80
SEE SHEET 26-005

125+00 | PT 125+58.51 | 126+00 | 127+00 | 128+00 | 129+00 | 129+50

DAVIS DRIVE
℄ OF CONST.
N 41°02'13.7" W

REQD R/W | EXIST R/W | TESMT | DWESMT | ASPHALT

W1-2aR (30" x 30") STA. 125+95
R-SPEC (30" x 30") STA. 126+24
R-SPEC (30" x 30") STA. 124+84
R2-1 (24" x 30") STA. 126+20
R12-3SP (24" x 36") STA. 127+80
R3-17 (30"x24") STA. 127+50
R-SPEC (30" x 30") STA. 125+16
R3-17aP (30"x12") STA. 125+35
R1-1(30" OCT) STA. 125+81

DO NOT BLOCK THE BOX
SPEED LIMIT 25
NO TRUCKS OVER 18 TONS OR 30 FEET
BIKE LANE
ENDS
STOP

3 ROCK MILL 400 LP

4 30 WEST PERSHING LLC

W16-8P (DETAIL "A") APPROX. STA. 128+15 450' LT
Sanctuary Pkwy
Davis Dr
REMOVE EX. W16-8P
RETAIN EX. W3-3

REMOVE EX. NO PARKING SIGN

STRIPE 24" SOLID WHITE INSIDE THE BOX TO FORM AN "X"
STRIPE 12" SOLID WHITE BOX BORDER
GDOT DETAIL T-16 BICYCLE LANE SYMBOLS (TYP)
5" SOLID WHITE
GDOT CROSSWALK DETAIL T-11A (TYP)
5" DOUBLE SOLID YELLOW
5" SKIP WHITE (TYP) (3 SEG. 9' GAP)
77 SY THERMOPLASTIC TRAFFIC STRIPING YELLOW DETAIL "A"
24" SOLID WHITE (TYP)
TYPE 2 ARROW

END CONSTRUCTION WITH FULL DEPTH ASPHALT TO MATCH EXISTING GRADE
STA 128+15.63
N 1471404.3689
E 2253275.5846

END PROJECT
END CONSTRUCTION
STA 128+33.35
N 1471417.7308
E 2253263.9541

TBM #3267
"X" SCRIBED IN CONCRETE
N=1471378.52
E=2253304.74
ELEV=1066.00

5" SKIP YELLOW (2 SEG. 6' GAP)

SANCTUARY PARK REALTY HOLDING COMPANY
WESTSIDE PARKWAY
SANCTUARY PARKWAY

42" | 36.2" | 2.9" | 15" | 2.5" | 4" | 2" | 4"C | 4"B
Sanctuary Pkwy
Davis Dr
W16-8P (DETAIL A)

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

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1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SIGNING AND MARKING PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 26-006

01/26/2015 GPLN

EXISTING UTILITIES

- EXISTING GUY WIRE
- EX.OH ELECTRIC
- EX POWER POLE
- EX TRANSFORMER
- EX.UG ELECTRIC
- EX GAS LINE
- EX GAS METER
- EX GAS VALVE
- EX WATER LINE
- EX FIRE HYDRANT
- EX WATER METER
- EX WATER VALVE
- EX SANITARY SEWER
- EX SS MANHOLE
- EX TELEPHONE MH
- EX OH TELEPHONE
- EX TELEPHONE POLE
- EX UG TELEPHONE
- EX OH CABLE TV
- EX UG CABLE TV

EXISTING SIGNAL

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

PROPOSED SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION OR 4 SECTION HEAD
- 3 SECTION OR 4 SECTION W/ BACKPLATE
- 5 SECTION HEAD
- 5 SECTION HEAD W/ BACKPLATE
- VIDEO DETECTION CAMERA
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- PULLBOX,PB-2
- PULLBOX,PB-3
- PULLBOX,PB-6
- PULLBOX,PB-7
- 6x6 PULSE LOOP OR DETECTION ZONE
- 6x18 CALL LOOP OR DETECTION ZONE
- 6x50 DETECTION ZONE
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

GEORGIA REGISTERED PROFESSIONAL ENGINEER ASHLYN M. MORGAN NO. PE030142 3/4/2021

SIGNAL PLANS ONLY

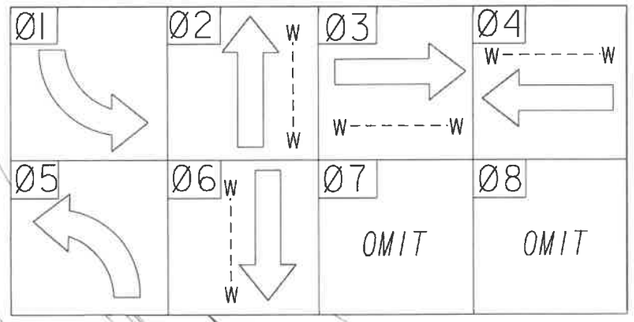
ATKINS
Member of the SNC-Lavalin Group
Atkins North America, Inc.
1600 RiverEdge Parkway NW, Sts. 700
Atlanta, GA 30328
Tel: (770)933-0280
Certificate of Authorization #PEF000902
Expiration date 06/30/2022

REVISION DATES

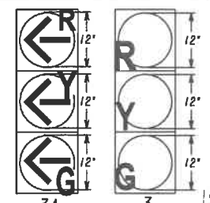
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
SIGNAL PLANS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING No. 27-000

6/30/2011 GPLH

PROPOSED PHASING DIAGRAM

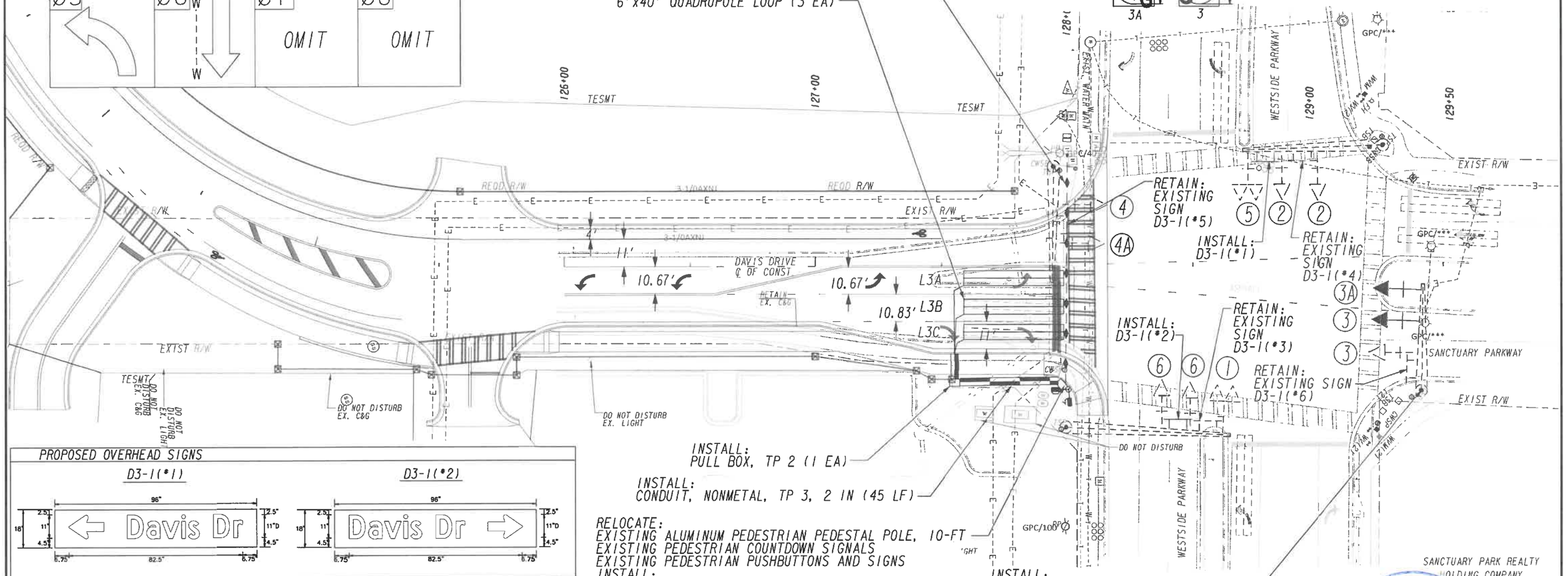


LED SIGNAL HEADS WITH RETROREFLECTIVE BACKPLATES



INSTALL:
5" DIRECTIONAL BORE (95 LF)
CONDUIT, NONMETAL, TP 3, 2 IN, 2 @ 95 LF (190 LF)

INSTALL:
6'x40' QUADRUPOLE LOOP (3 EA)



INSTALL:
PULL BOX, TP 2 (1 EA)

INSTALL:
CONDUIT, NONMETAL, TP 3, 2 IN (45 LF)

RELOCATE:
EXISTING ALUMINUM PEDESTRIAN PEDESTAL POLE, 10-FT
EXISTING PEDESTRIAN COUNTDOWN SIGNALS
EXISTING PEDESTRIAN PUSHBUTTONS AND SIGNS
INSTALL:
PULL BOX, TP 2 (1 EA)
REQUIRED CONDUIT PER GDOT DETAILS

INSTALL:
2-12" SIGNAL HEADS
RETAIN:
EXISTING 3 SECTION (BALL) HEAD

PROPOSED OVERHEAD SIGNS

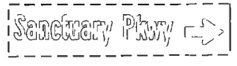
D3-1(*1)

D3-1(*2)

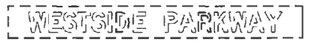
EXISTING OVERHEAD SIGNS

D3-1(*3)

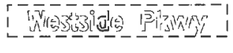
D3-1(*4)



D3-1(*5)



D3-1(*6)



NOTES:
1. RELOCATE EXISTING PEDESTRIAN PEDESTAL POLE (WITH PEDESTRIAN SIGNAL HEADS) BEHIND NEW ADA RAMP AND SIDEWALK CONSTRUCTION.
2. PEDESTRIAN PUSH BUTTONS MUST BE ACCESSIBLE TO ADA RAMP FROM THE BACK OF CURB.
3. CONTRACTOR SHALL CONTACT THE CITY OF ALPHARETTA TRAFFIC ENGINEERING DEPARTMENT PRIOR TO RELOCATING TRAFFIC SIGNAL EQUIPMENT.
4. THE REMOVAL AND RESETTING OF EXISTING EQUIPMENT SHALL BE PAID FOR UNDER THE 647-1000 PAY ITEM.
5. NEW SIGNAL CABLE FOR THE PROPOSED 3 SECTION (ARROW) HEAD SHALL BE ROUTED THROUGH THE EXISTING CONDUIT. CONTRACTOR SHALL USE THE EXISTING SIGNAL CABLE FROM THE EXISTING 4 SECTION HEAD, FOR THE PROPOSED 3 SECTION (BALL) HEAD.

SANCTUARY PARK REALTY HOLDING COMPANY

GEORGIA REGISTERED No. PE036142 PROFESSIONAL 3/4/2021 ENGINEER ASHLYN M. MORGAN

SIGNAL PLANS ONLY

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

BEGIN LIMIT OF ACCESS.....BLA
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LIMIT OF ACCESS
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ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

ATKINS
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Atkins North America, Inc.
1600 RiverEdge Parkway NW, Ste. 700
Atlanta, GA 30328
Tel: (770)933-0280
Certificate of Authorization #PEF000902
Expiration date 06/30/2022

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SIGNAL PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 27-001

01/25/2015 GPLN

LIST OF MATERIALS
TRAFFIC SIGNAL INSTALLATION NO. 1
LOCATION: DAVIS EXT. AT WEST SIDE PKWY
FOR INFORMATION ONLY

	LIST OF MATERIALS	UNIT	QUANTITY
	CONTROLLER CABINET ASSEMBLIES		
	F. SWITCH PACK (Load Switch)	EA	1
	H. LOOP DETECTOR, 2 CHANNEL	EA	1
	LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG	REEL	1
	SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	1
	LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	1
	3-SECTION, 12" SIGNAL HEAD, LED - , YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	2
	BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	2
	HARDWARE FOR MAST ARM MOUNTING	EA	2
	PULL BOX, PB-2	EA	2
	LOOP SAW CUT	LF	620
	CONDUIT, 1"	LF	20
	CONDUIT, 2"	LF	40
	MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP
	PAY ITEMS		
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	24
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LS	LS
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	LF	235
682-9950	DIRECTIONAL BORE, 5 IN	LF	95

PROPOSED 332 CABINET INPUT ASSIGNMENTS

	SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	UPPER INPUT FILE														
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	2-CHANNEL	2-CHANNEL				2-CHANNEL						DC ISO	DC ISO	DC ISO
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION	L1	L2A				L4A						Ø2 PED	Ø6 PED	FLASH
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C
CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION		L2B				L4B						Ø4 PED	Ø8 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C
	LOWER INPUT FILE														
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	2-CHANNEL	2-CHANNEL				2-CHANNEL	2-CHANNEL							
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION	L5	L6A				L3A	L3C							
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12
CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION		L6B				L3B								
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

NOTE: QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS.

GEORGIA REGISTERED NO. PE036142 PROFESSIONAL 3/4/2021 ENGINEER ASHLYN M. MORGAN

SIGNAL PLANS ONLY

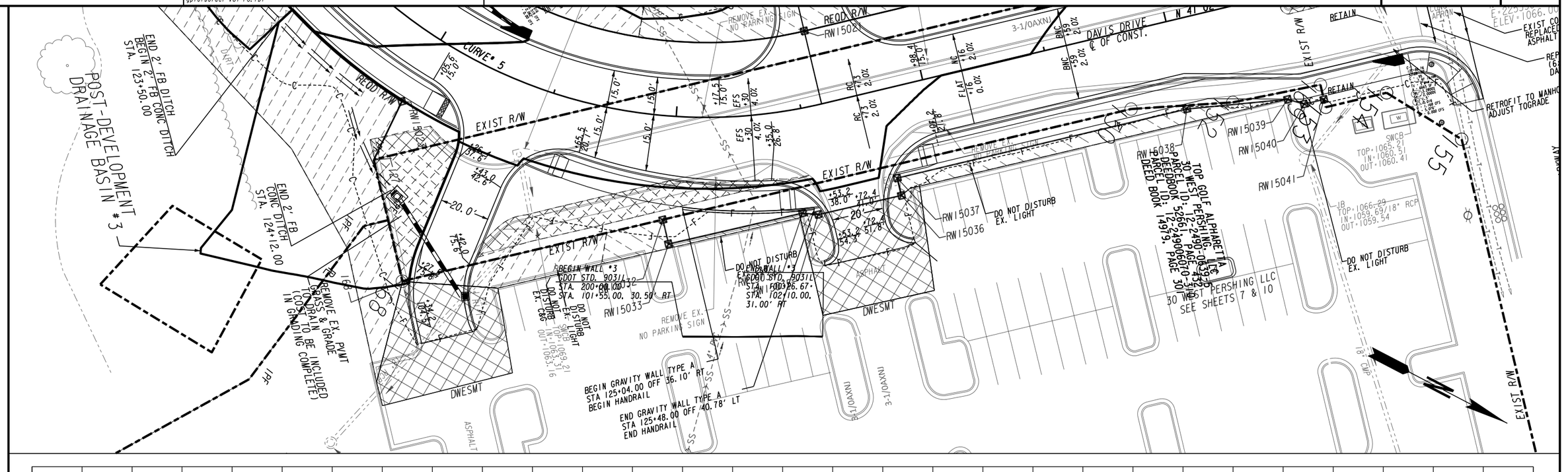
ATKINS
Member of the SNC-Lavalin Group
Atkins North America, Inc.
1600 RiverEdge Parkway NW, Ste. 700
Atlanta, GA 30328
Tel: (770)933-0280
Certificate of Authorization #PEF000902
Expiration date 06/30/2022

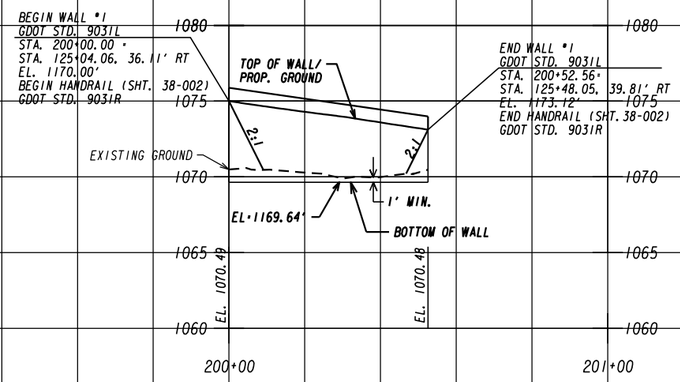
REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
SIGNAL PLANS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING NO. 27-002

01/26/2015 GPLN

2/23/2021 6:13:01 PM william.scherer | GPLOT-V8 gplotborder-V8i-P0.tbl | 0000953_31-001.dgn





RETAINING WALL 1
GA STD 9031L

AECOM
ONE MIDTOWN PLAZA
1360 PEACHTREE ST.N.E., SUITE 500
ATLANTA, GEORGIA 30309
TEL: (404) 965-9600 FAX: (404) 965-9605

SCALE IN FEET
0 20 40 80

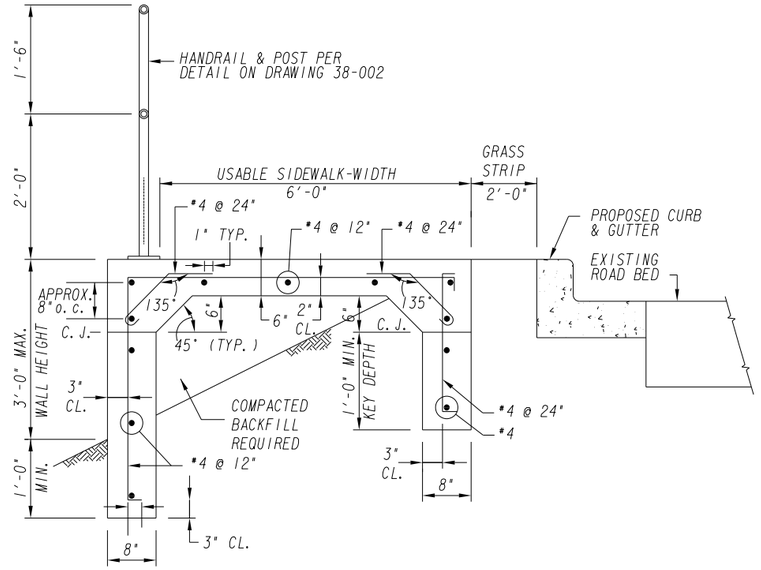
REVISION DATES

RETAINING WALL ENVELOPES
WALL #1
DAVIS DRIVE

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

DRAWING No. 31-0001

10/23/2015 GPLN



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

LOADS:
SURCHARGE = 0 PSF

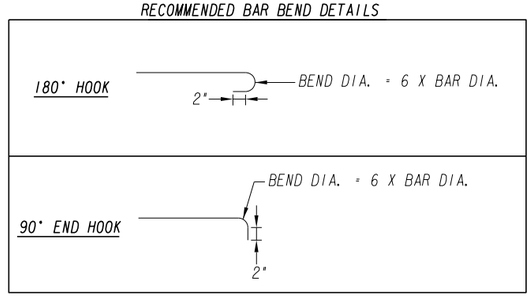
MATERIALS:
CONCRETE _____ f'c = 3,000 PSI
REINFORCING _____ fy = 60,000 PSI

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

NOTES:
1. CONTRACTOR MUST TEMPORARILY SUPPORT FOOTING WALLS UNTIL TOP SLAB IS IN PLACE.
2. CONTRACTOR TO PROVIDE COMPACTED BACKFILL UNDER SLAB.
3. REBAR SHALL BE PLACED A MINIMUM OF 3" FROM THE EDGE OF CONCRETE IN THE FOOTING AND KEY AND 2" FROM EDGE IN THE REST OF THE STRUCTURE AS MEASURED FROM THE CENTERLINE (CL) OF THE REBAR.
4. MINIMUM BEND DIAMETER FOR 90° AND 180° BENDS SHALL BE 6 x (BAR DIA.).

SIDEWALK TURN-DOWN WALL DETAIL

RECOMMENDED BAR BEND DETAILS



01/26/2015 GPLN

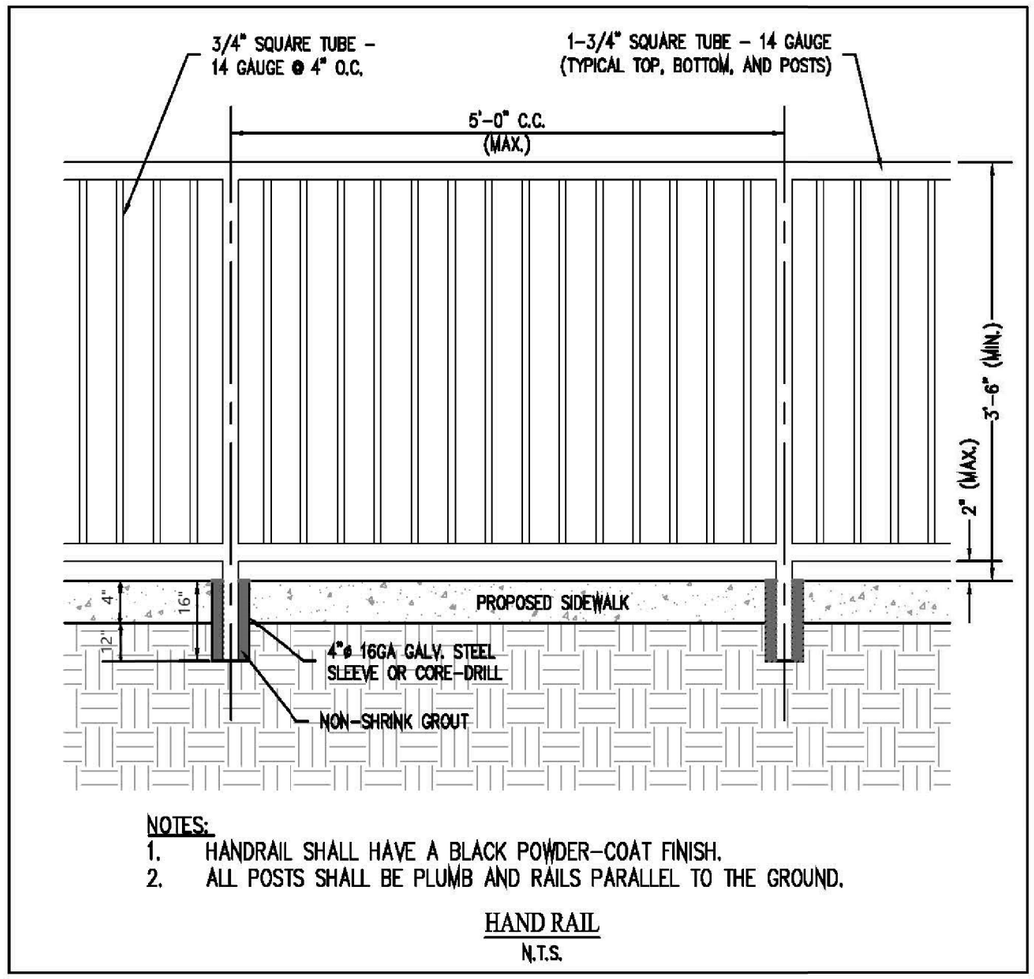
THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
SPECIAL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 38-001



NOTES:
1. HANDRAIL SHALL HAVE A BLACK POWDER-COAT FINISH.
2. ALL POSTS SHALL BE PLUMB AND RAILS PARALLEL TO THE GROUND.

HAND RAIL
N.T.S.

PHOTOGRAPHIC EXAMPLE OF DESIRED HAND RAIL

NOTE:
THE CONTRACTOR SHALL SELECT A HANDRAIL EQUIVALENT TO MATCH THE ABOVE DETAIL AND PHOTO. THE CONTRACTOR SHALL PROVIDE THE HANDRAIL SPECIFICATIONS TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. INSTALLATION SHALL BE PER THE DETAIL PROVIDED ON THIS DRAWING. IF THE INSTALLATION SPECIFICATIONS PROVIDED BY THE MANUFACTURER DIFFER FROM THE ABOVE DETAIL, THE MORE STRINGENT METHODOLOGY SHALL BE USED TO INSTALL THE HANDRAIL.

THE CITY OF ALPHARETTA PUBLIC WORKS

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1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
SPECIAL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING No. 38-002

AVAILABLE FROM

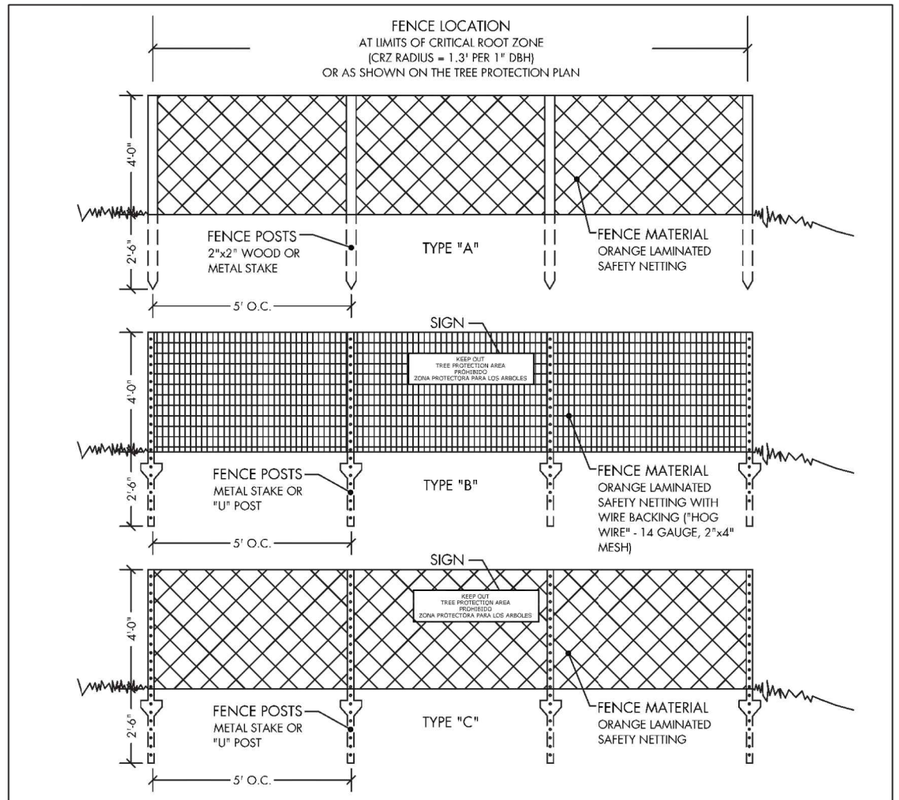
PUBLIC WORKS DEPARTMENT
1790 HEMBREE ROAD
ALPHARETTA, GA 30009
PHONE: 678-297-6200

COSTS:
$5 EACH 4" DURACAST MARKER
$5 5 OZ. TUBE OF SPECIAL ADHESIVE (ADHERES 14 MARKERS)

* FOR PICK UP ONLY

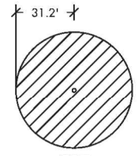
CITY OF ALPHARETTA STORM DRAIN MARKER

N.T.S.



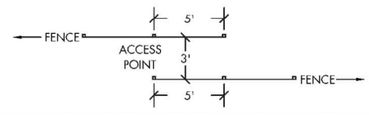
NOTES:
1. ALL TREE PROTECTION DEVICES ARE TO BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. NO PARKING, STORAGE OR OTHER CONSTRUCTION SITE ACTIVITIES ARE TO OCCUR WITHIN THE TREE PROTECTION AREA.
2. PROVIDE 4" DEEP WOOD CHIP MULCH OVER ANY UNPROTECTED ROOT ZONE.
3. MAKE CLEAN CUTS ON ROOTS EXPOSED BY GRADING AND BACKFILL IMMEDIATELY.
4. INSTALLATION SHALL INVOLVE NO TRENCHING.
5. SIGNS TO BE PLACED AT 50' INTERVALS ALONG FENCING. SIGNS TO BE A MINIMUM OF 8½" X 11". SIGNS TO READ:

KEEP OUT
TREE PROTECTION AREA
PROHIBIDO
ZONA PROTECTORA PARA LOS ARBOLES



CRZ
24" DBH TREE

ACCESS POINT
ALL TREE PROTECTION/LOD FENCING MUST HAVE A MINIMUM OF ONE ACCESS POINT EVERY 200' OF FENCING. ACCESS POINT SHALL BE CONSTRUCTED AS BELOW.



THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE

TREE PROTECTION / L.O.D. FENCING

08/01/2015

STD. L-6

THE CITY OF ALPHARETTA PUBLIC WORKS

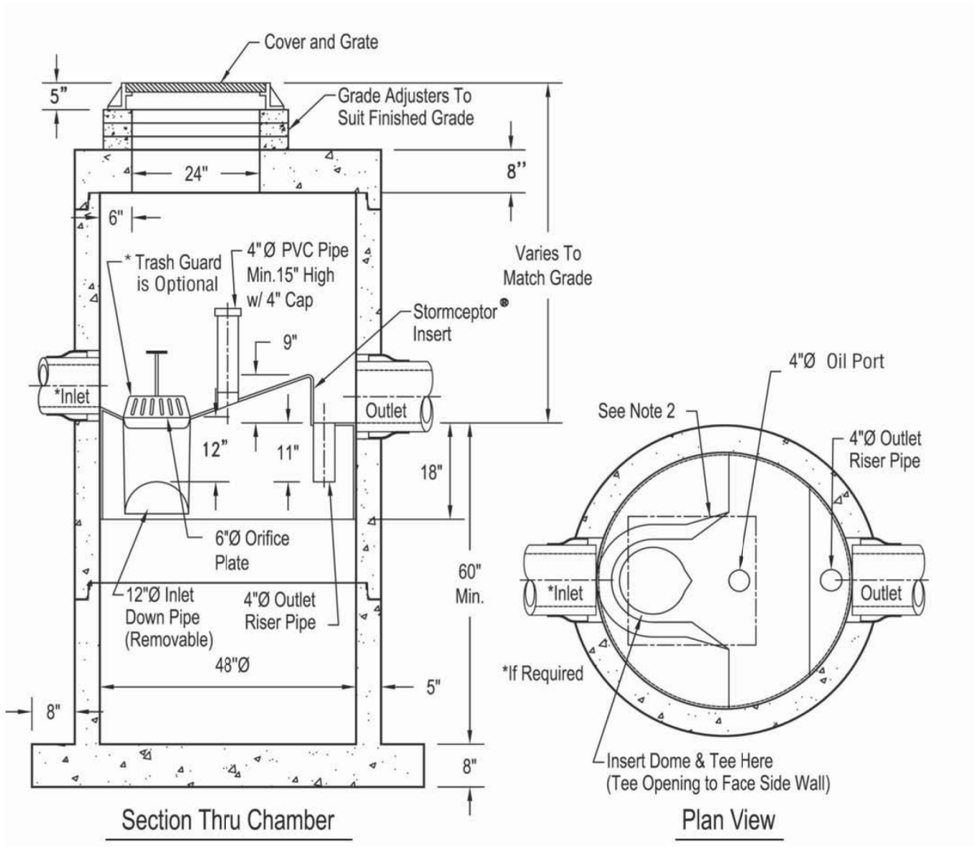
AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
SPECIAL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 38-003

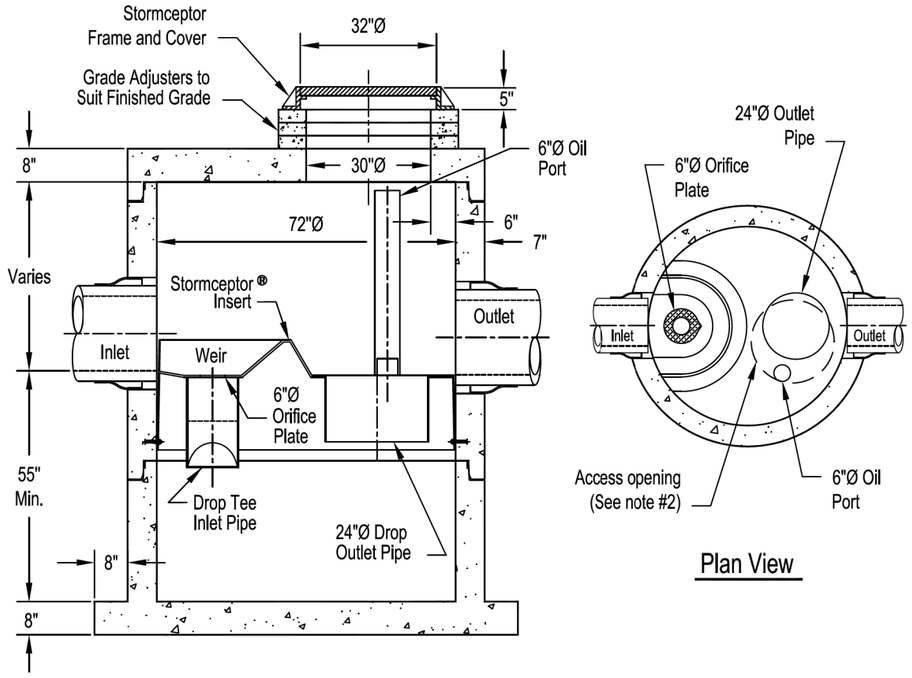
STC 450i DETAIL



Notes:

1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
2. The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port .
3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
4. Contact a Rinker Materials representative for further details not listed on this drawing.

STC 900 Precast Concrete Stormceptor®
(900 U.S. Gallon Capacity)



Notes:

1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
2. The Cover Should be Positioned Over The Outlet Drop Pipe and The Oil Port.
3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.

Home

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THE CITY OF ALPHARETTA PUBLIC WORKS

STORMCEPTOR MODEL
STC 4800 DETAIL

REVISION DATES

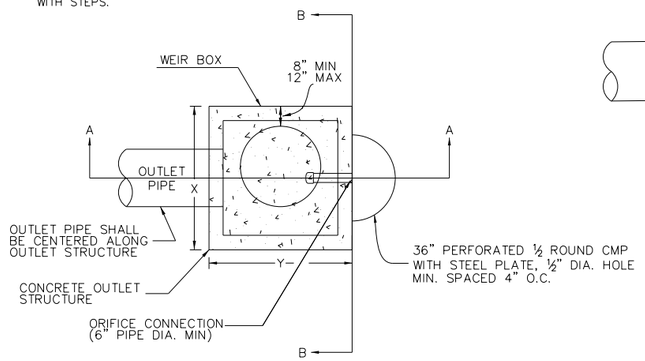
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
SPECIAL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 38-004

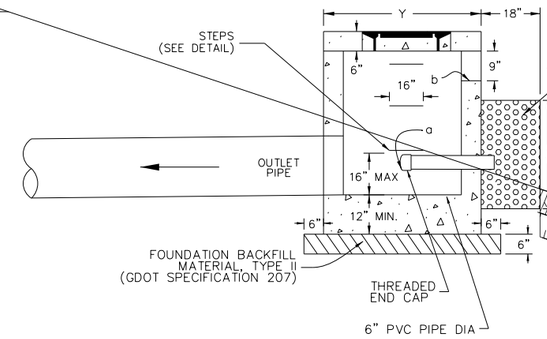
SYMBOL	DEFINITION
a	Channel Protection Orifice Invert Elevation
b	Overbank Flood Protection Invert Elevation
c	Permanent Pool Elevation
X	Outlet Structure Width
Y	Outlet Structure Length
H	Outlet Structure Height

NOTES:

1) MANHOLE COVER SHOULD BE CENTERED WITH STEPS.

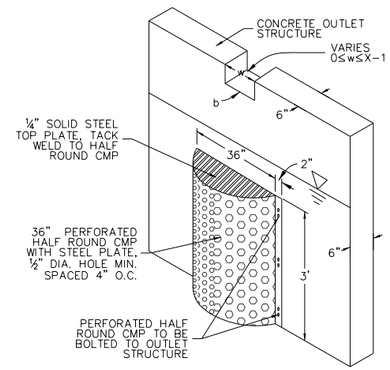


OUTLET STRUCTURE PLAN VIEW

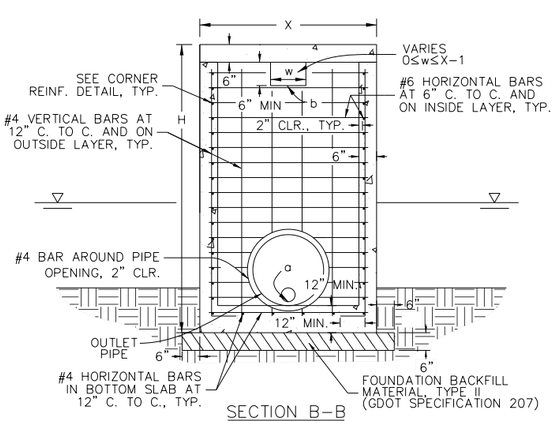


SECTION A–A

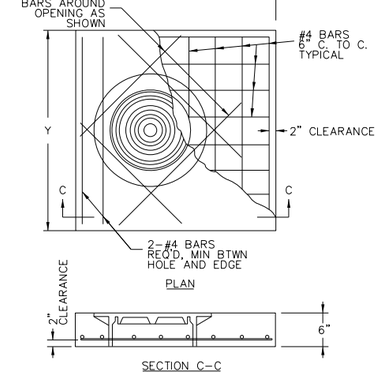
NOTE: SEE SECTION B–B FOR REINFORCING



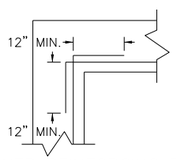
36" PERFORATED HALF ROUND CMP WITH STEEL PLATE



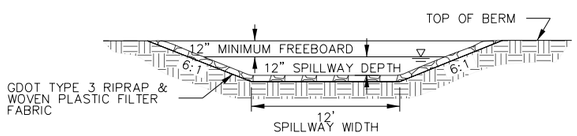
SECTION B–B



REINFORCED CONCRETE COVER



CORNER REINFORCING DETAIL



EARTH SPILLWAY

CLAY LINER SPECIFICATIONS TABLE			
PROPERTY	TEST METHOD	UNIT	SPECIFICATION
PERMEABILITY	ASTM D2434	CM/S	1×10^{-6}
PLASTICITY INDEX OF CLAY	ASTM D4318	%	NOT LESS THAN 15
LIQUID LIMIT OF CLAY	ASTM D2216	%	NOT LESS THAN 30
CLAY PARTICLES PASSING	ASTM D422	%	NOT LESS THAN 30
CLAY COMPACTION	ASTM D2216	%	95% OF STANDARD PROCTOR DENSITY

STORMWATER POND LINER GENERAL NOTES:

1) A LINER IS REQUIRED FOR THE STORMWATER POND TO SUBSTAIN A PERMANENT POOL AT THE DESIGNED ELEVATION.

2) THE PREFERRED LINER CONSISTS OF CLAY MEETING THE SPECIFICATIONS OUTLINED IN THE CLAY LINER SPECIFICATIONS TABLE. HOWEVER, THE CONTRACTOR MAY SUBMIT THE FOLLOWING FOR APPROVAL BY THE CITY OF ALPHARETTA PRIOR TO INSTALLATION:
(a.) A 30-MIL POLY-LINER
(b.) BENTONITE
(c.) CHEMICAL ADDITIVES
(d.) ALTERNATE COMMERICALLY AVAILABLE LINER DESIGNS

3) A CLAY LINER SHALL HAVE A MINIMUM THICKNESS OF 12 INCHES WITH AN ADDITIONAL 12 INCH LAYER OF COMPACTED SOIL ABOVE. THE MATERIAL MUST MEET THE SPECIFICATIONS OUTLINED IN THE CLAY LINER SPECIFICATION TABLE. OTHER SYNTHETIC LINERS MAY BE USED IF THE CONTRACTOR CAN SUPPLY SUPPORTING DOCUMENTATION THAT THE MATERIAL WILL ACHIEVE THE REQUIRED PERFORMANCE.

4) REFER TO THE DISTRICT OF COLUMBIA–DEPARTMENT OF ENERGY & ENVIRONMENT'S 2020 "STORMWATER MANAGEMENT GUIDEBOOK (SWMG)" FOR ADDITIONAL INFORMATION ON STORMWATER PONDS AND LINERS: https://doee.dc.gov/node/610622

GENERAL NOTES:

1) CONCRETE OUTLET STRUCTURES SHALL BE PRECAST. THE CONTRACTOR SHALL PROVIDE BUOYANCY CALCULATION FOR THE OUTLET STRUCTURE. THE OUTLET STRUCTURE BASE THICKNESS SHALL BE INCREASED UNTIL THE OUTLET STRUCTURE REACHES A MINIMUM BUOYANCY OF 100 LBS.

2) A LANDSCAPE PLAN IS NOT PROPOSED FOR THIS STORMWATER POND. THE STORMWATER POND SHALL BE STABILIZED WITH SLOPE MATTING AND PERMANENT GRASSING. HOWEVER, THE CITY OF ALPHARETTA MAY PROVIDE ADDITIONAL LANDSCAPING AT ITS DISCRETION.

3) ALL ITEMS SHOWN AND INCIDENTAL ITEMS NECESSARY FOR THE OUTLET STRUCTURE ARE TO BE INCLUDED IN THE OVERALL BID PRICE FOR THE STORMWATER POND.

4) IF POST-CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE CITY OF ALPHARETTA AND AECOM. MODIFICATIONS MUST BE APPROVED BY THE CITY OF ALPHARETTA PRIOR TO INSTALLATION.

5) DATA TABLE SHALL BE FILLED OUT AND SHOWN ON THE SPECIAL GRADING PLANS OR STORMWATER POND OUTLET CONTROL DETAIL SHEETS.

6) CONTRACTOR IS RESPONSIBLE FOR SUPPLYING THE AS-BUILT DATA TO THE CONSTRUCTION PROJECT ENGINEER/INSPECTOR.

OUTLET STRUCTURE DESIGN DATA							
X	Y	H	EVENT	INVERT ELEV.	ORIFICE DIA. (IN)	WEIR LEN. w (FT)	ORIFICE PIPE DIA. (IN)
4'	4'	5.15'	a	1066.00	2.00	N/A	6.00
			b	1068.25	N/A	3.00	N/A
OUTLET STRUCTURE INVERT ELEV. = 1065.35				PERMANENT POOL ELEV. (c) = 1066.00			
OUTLET STRUCTURE TOP ELEV. = 1068.25				OUTLET PIPE SLOPE = 0.60%			
OUTLET PIPE DIA. = 18 IN.				OUTLET PIPE INVERT = 1065.00			
OUTLET PIPE LENGTH = 55 FT.				OUTLET PIPE HEADWALL = Ga. STD 1120			
100-YR, 24-HR WSE = 1068.57							

OUTLET STRUCTURE AS-BUILT DATA							
X	Y	H	EVENT	INVERT ELEV.	ORIFICE DIA. (IN)	WEIR LEN. w (FT)	ORIFICE PIPE DIA. (IN)
			a			N/A	
			b			N/A	
OUTLET STRUCTURE INVERT ELEV. =				PERMANENT POOL ELEV. (c) =			
OUTLET STRUCTURE TOP ELEV. =				OUTLET PIPE SLOPE =			
OUTLET PIPE DIA. =				OUTLET PIPE INVERT =			
OUTLET PIPE LENGTH =				OUTLET PIPE HEADWALL =			

THE CITY OF ALPHARETTA PUBLIC WORKS

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STORMWATER POND
OUTLET CONTROL DETAIL 1 OF 2

REVISION DATES

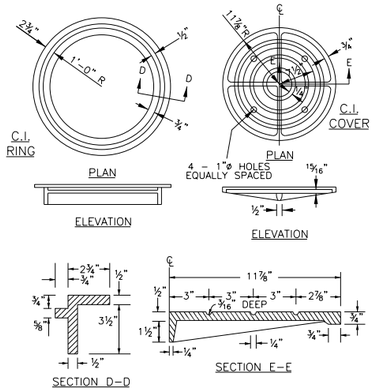
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SPECIAL CONSTRUCTION DETAILS

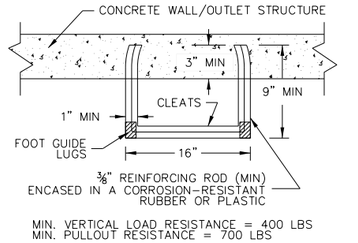
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 38-005

01/26/2015 GPLN



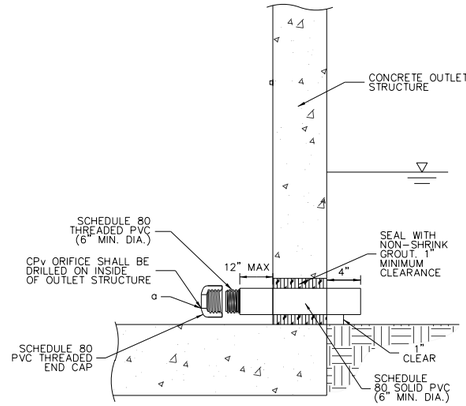
MANHOLE CASTING DETAILS



MIN. VERTICAL LOAD RESISTANCE = 400 LBS
MIN. PULLOUT RESISTANCE = 700 LBS

NOTE: STEP DETAIL

PLASTIC OR RUBBER COATED STEPS LISTED IN THE GA D.O.T. QUALIFIED PRODUCTS LIST MAY BE SUBSTITUTED.



ORIFICE CONNECTION DETAIL
SECTION VIEW

NOTES (ORIFICE CONNECTION):

1) FILL GAP BETWEEN STRUCTURE & PVC WITH NON–SHRINK GROUT.
2) ALL PVC JOINTS SHALL BE WATERTIGHT AND HAVE ELASTOMERIC SEALS THAT MEET THE REQUIREMENTS OF ASTM F 477.
3) PIPE SIZE SHALL BE SPECIFIED PER TABLE BELOW.

OUTLET ORIFICE DIAMETER	PVC PIPE SIZE	PRECAST HOLE SIZE
<3"	6"	8"
3" TO <5"	8"	10"

GENERAL NOTES:

1) CONCRETE OUTLET STRUCTURES SHALL BE PRECAST. THE CONTRACTOR SHALL PROVIDE BUOYANCY CALCULATION FOR THE OUTLET STRUCTURE. THE OUTLET STRUCTURE BASE THICKNESS SHALL BE INCREASED UNTIL THE OUTLET STRUCTURE REACHES A MINIMUM BUOYANCY OF 100 LBS.
2) A LANDSCAPE PLAN IS NOT PROPOSED FOR THIS STORMWATER POND. THE STORMWATER POND SHALL BE STABILIZED WITH SLOPE MATTING AND PERMANENT GRASSING. HOWEVER, THE CITY OF ALPHARETTA MAY PROVIDE ADDITIONAL LANDSCAPING AT ITS DISCRETION.
3) ALL ITEMS SHOWN AND INCIDENTAL ITEMS NECESSARY FOR THE OUTLET STRUCTURE ARE TO BE INCLUDED IN THE OVERALL BID PRICE FOR THE STORMWATER POND.
4) IF POST–CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE CITY OF ALPHARETTA AND AECOM. MODIFICATIONS MUST BE APPROVED BY THE CITY OF ALPHARETTA PRIOR TO INSTALLATION.
5) DATA TABLE SHALL BE FILLED OUT AND SHOWN ON THE SPECIAL GRADING PLANS OR STORMWATER POND OUTLET CONTROL DETAIL SHEETS.
6) CONTRACTOR IS RESPONSIBLE FOR SUPPLYING THE AS–BUILT DATA TO THE CONSTRUCTION PROJECT ENGINEER/INSPECTOR.
7) REFER TO STORMWATER POND OUTLET CONTROL DETAIL SHEET 1 OF 2 FOR ADDITIONAL INFORMATION ON OUTLET CONTROL STRUCTURE.

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
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STORMWATER POND
OUTLET CONTROL DETAIL 2 OF 2

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
SPECIAL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 38-006

2 ALPHARETTA FAMILY SKATE CENTER

3 ROCK MILL 400 LP

DAVIS DRIVE

N 74°19'36.1" E

℄ OF CONST.

PC 118+73.25

PT 115+25.40

CURVE° 4

REQD R/W

6' SIDEWALK

8' SIDEWALK

6' CHAIN-LINK FENCE & 16' GATE

CONC BLOCK WALL

SSWH TOP=1076.24 INACCESSIBLE DUE TO DEPTH

SSWH TOP=1076.97 INV=1051.99 TO BOTTOM

B-1 B-2 B-3 B-4 B-5 B-6 ST-2

+1073.00

PROPOSED STORMCEPTOR MODEL STC-900

SAFETY BENCH 6'

AQUATIC BENCH 6'

1065

PERMANENT POOL & LIMITS OF LINER INVERT=1066.00

+1063.00

OCS SPECIAL DETAIL

STORMWATER POND

1070

+1072.00

10'

12'

GDOT STD 1120 INVERT=1065.00

EMERGENCY SPILLWAY INVERT=1070.00

TYPE 3 RIPRAP 258 SY

TYPE 3 RIPRAP 32 SY

TYPE 3 RIPRAP 130 SY

R16' R15' R40' R5' R45'

2:1 3:1 4:1

Curve° 4
PI Sta° 119+95.49
N° 1470757.29
E° 2253236.35
DELTA° 26°57'25.8" (LT)
D° 11°14'04.08"
T° 122.24
L° 239.95
R° 510.00
E° 14.44
e° 3.0%

GENERAL NOTES:

1) REFER TO OTHER SPECIAL CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION ON THE REQUIRED FEATURES FOR THE STORMWATER POND.

2) THE PERMANENT POOL IS LOCATED BELOW ALL THE PRIMARY OUTLET CONTROL STRUCTURE'S DISCHARGE DEVICES. A PUMP WOULD BE REQUIRED TO DRAIN THE PERMANENT POOL FOR MAINTENANCE.

3) A LINER IS REQUIRED TO SUBSTAIN THE PERMANENT POOL FOR WATER QUALITY. THE PREFERRED LINER TYPE IS CLAY; HOWEVER, OTHER TYPES MAY BE APPROVED BY THE CITY OF ALPHARETTA.

4) A LANDSCAPE PLAN IS NOT PROPOSED FOR THIS STORMWATER POND. THE STORMWATER POND SHALL BE STABILIZED WITH SLOPE MATTING AND PERMANENT GRASSING. HOWEVER, THE CITY OF ALPHARETTA MAY PROVIDE ADDITIONAL LANDSCAPING AT ITS DISCRETION.

5) IF POST-CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE CITY OF ALPHARETTA'S DEPARTMENT OF PUBLIC WORKS. MODIFICATIONS MUST BE APPROVED PRIOR TO INSTALLATION.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

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SCALE IN FEET 0 20 40 80

REVISION DATES

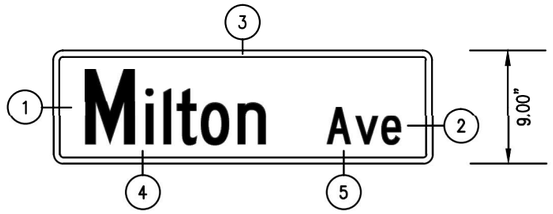
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

SPECIAL CONSTRUCTION DETAILS - POND

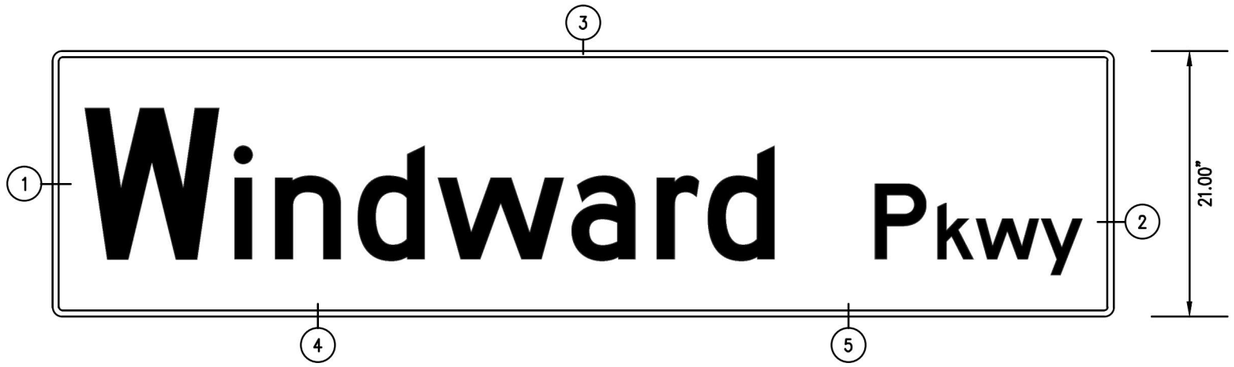
DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 38-007

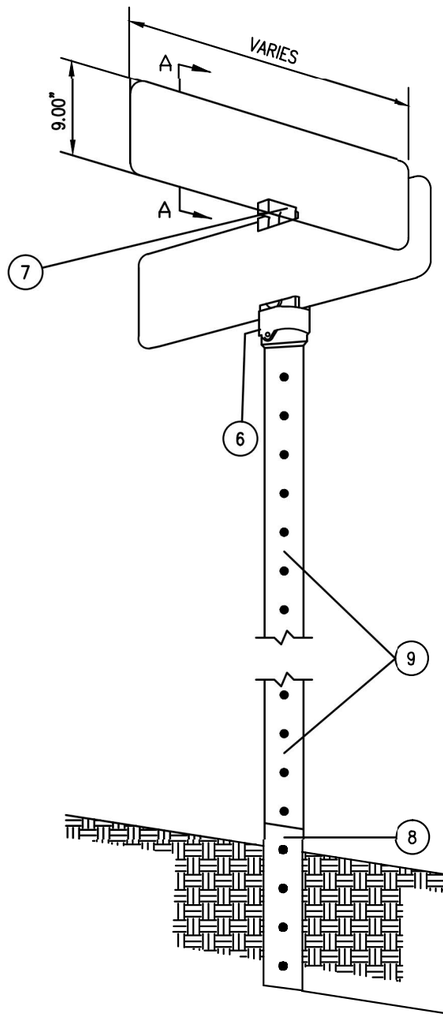
01/26/2015 GPLN

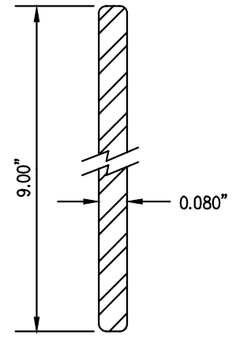


POST MOUNTED SIGN



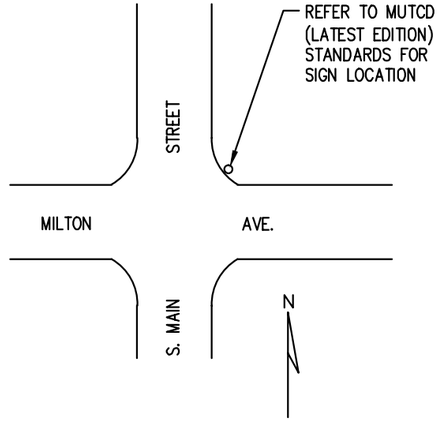
OVERHEAD SIGN





SIGN TO HAVE MILL FINISH WITH 3/4" RADIUS FLAT BLADE WITH NO HOLES

SECTION A–A
N.T.S.



(1) REFER TO TABLE BELOW FOR PRIMARY SIZING

(2) REFER TO TABLE BELOW FOR SUFFIX & PREFIX SIZING

(3) PROVIDE 1/2" WHITE BORDER AROUND EDGE

(4) STREET NAME SIGN SHALL BE 3M HIGH INTENSITY PRISMATIC (3M 3930) OR EQUAL

(5) STREET NAME SIGN SHALL HAVE ELECTRO–CUTTABLE (EC FILM) TRANSPARENT GREEN MATERIAL INSTALLED OVER BACKING.

(6) VULCAN VS–4 U.C. CAP FOR 2" SQUARE POST OR EQUAL

(7) VULCAN VS–4 CROSS OR EQUAL

(8) BASE POST SQUARE 2–1/4" X 3', 12 GAUGE (BASE POST SHALL NOT EXTEND MORE THAN 6" ABOVE GRADE)

(9) SQUARE POST 2" X 10', 12 GAUGE

(10) BASE POST SHALL BE DRIVEN 3'–0" BELOW FINISHED GRADE.

TYPE OF MOUNTING	TYPE OF STREET OR HIGHWAY	SPEED LIMIT	PRIMARY LETTER HEIGHT		SUFFIX & PREFIX LETTER HEIGHT		FONT	SIGN SIZE
			INITIAL UPPER–CASE	LOWER–CASE	INITIAL UPPER–CASE	LOWER–CASE		
OVERHEAD	ALL TYPES	ALL SPEED LIMITS	12 INCHES	9 INCHES	6 INCHES	4.5 INCHES	FHWA SERIES D 2000	21" X VARIES*
POST–MOUNTED	MULTI–LANE	MORE THAN 40 MPH	8 INCHES	6 INCHES	4 INCHES	3 INCHES	FHWA SERIES C 2000	9" X VARIES*
POST–MOUNTED	MULTI–LANE	40 MPH OR LESS	6 INCHES	4.5 INCHES	3 INCHES	2.25 INCHES	FHWA SERIES C 2000	9" X VARIES*
POST–MOUNTED	2–LANE	ALL SPEED LIMITS	6 INCHES	4.5 INCHES	3 INCHES	2.25 INCHES	FHWA SERIES C 2000	9" X VARIES*

*SIGN WIDTH SHALL BE DETERMINED BY THE LENGTH OF SIGN LEGEND.

NOTE:
WHERE APPLICABLE, STREET NAME SIGN SHALL BE INSTALLED IN CONJUNCTION WITH STOP SIGN. REFER TO MUTCD STANDARDS.

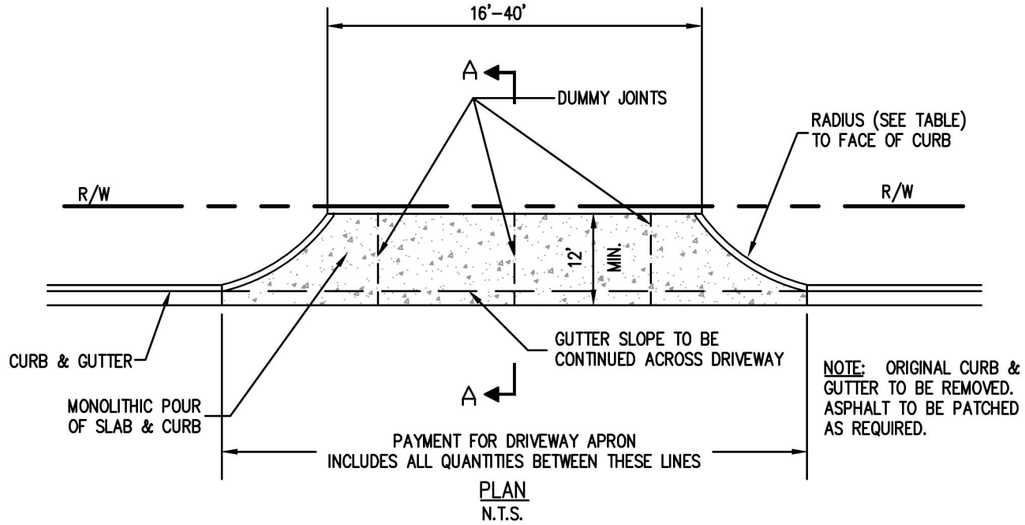
THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE
GS	MUTCD COMPLIANCE	12/22/15

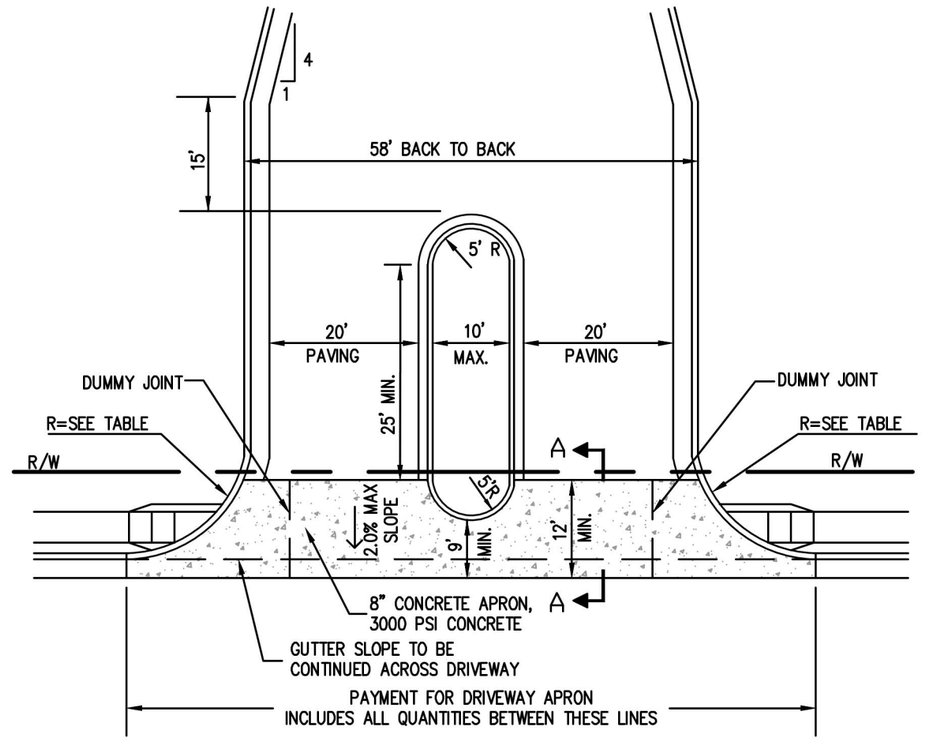
STREET NAME SIGN

08/01/2015

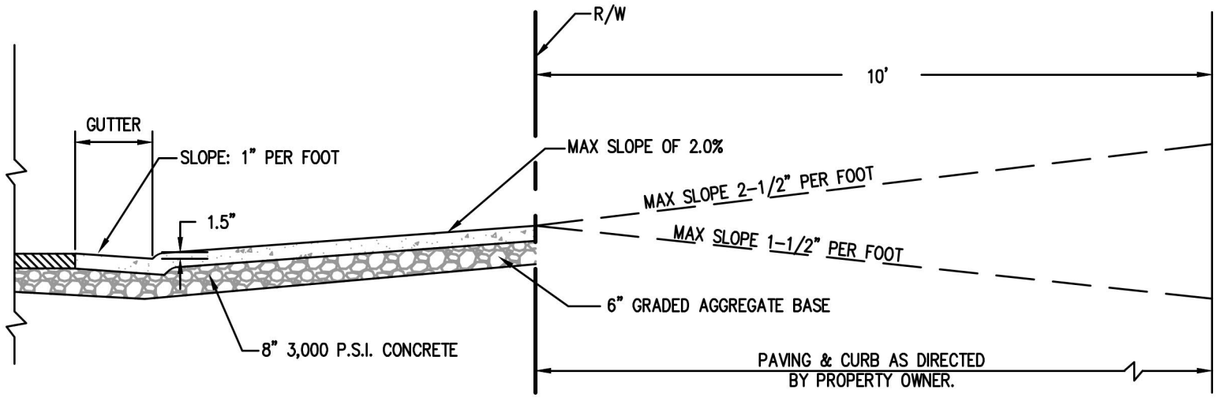
STD. 900 | DWG 40-001



PLAN
N.T.S.



OPTIONAL DIVIDED ENTRANCE PLAN
N.T.S.



SECTION A–A
N.T.S.

DRIVEWAY RADII (MIN)

INDUSTRIAL & COMMERCIAL		LIGHT COMMERCIAL	
WIDTH	RADIUS	WIDTH	RADIUS
20' – 40'	25'	20' – 30'	25'
		30' – 40'	15'

NOTE:
RESIDENTIAL DRIVEWAYS SHALL COMPLY WITH GEORGIA DEPARTMENT OF TRANSPORTATION SPECIAL DETAIL A1.

THE CITY OF ALPHARETTA GEORGIA

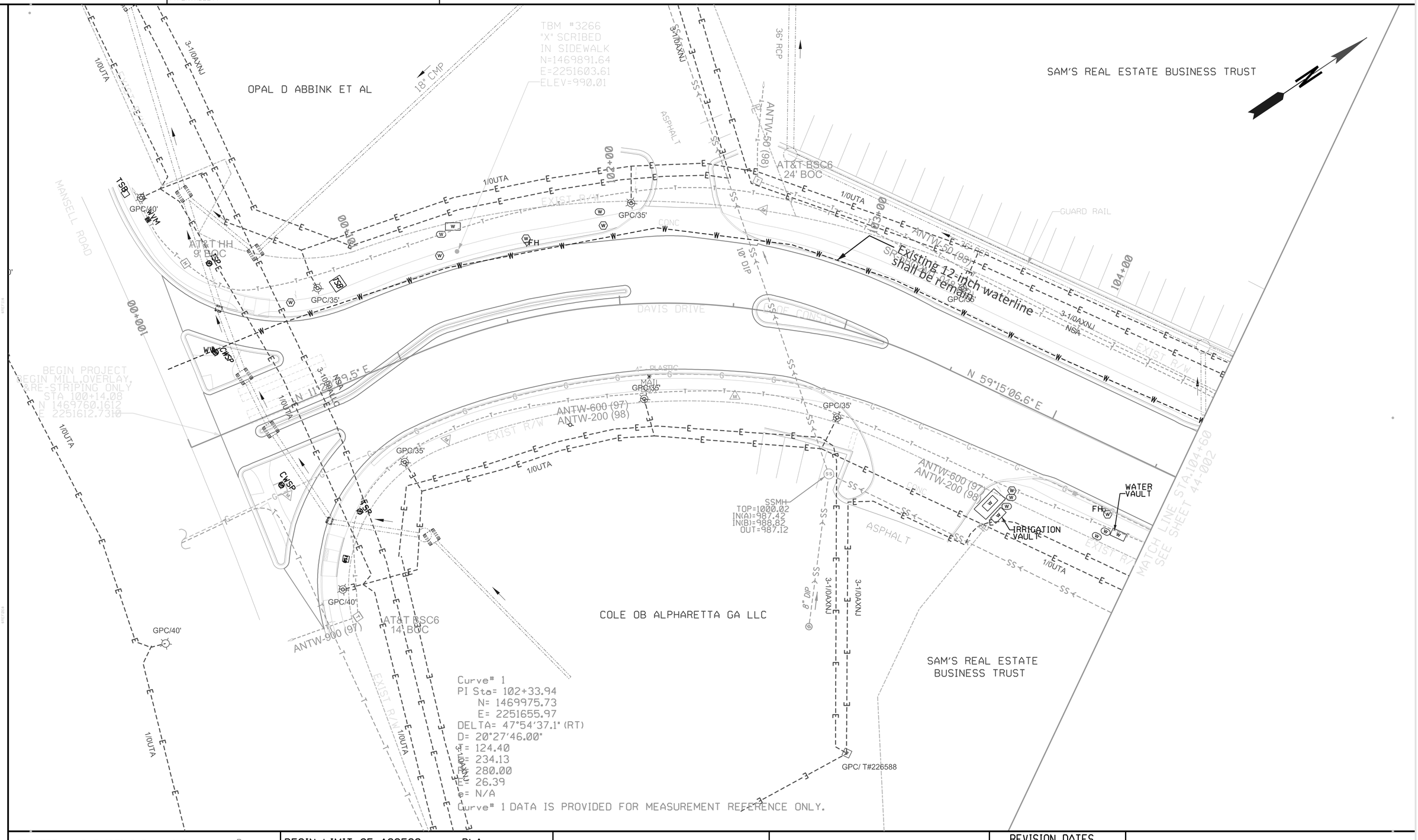
BY	REVISION	DATE

DRIVEWAY DETAILS

08/01/2015

STD. 951 | DWG 40-002

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$



Curve# 1
PI Sta= 102+33.94
N= 1469975.73
E= 2251655.97
DELTA= 47°54'37.1" (RT)
D= 20°27'46.00"
T= 124.40
L= 234.13
R= 280.00
E= 26.39
e= N/A
Curve# 1 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-001

01/26/2015 GPLN

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$

SAM'S REAL ESTATE BUSINESS TRUST

3-1/0AXNJ

GPC/ T# 230287

MAIN EVENT

SSMH TOP=1040.28 IN(A)=1030.68 IN(B)=1030.98/8" DIP OUT=1028.88

105+00 106+00 107+00 108+00 109+00 110+00

SIGN

ASPHALT

1/0UTA

30" RCP

SR-5BQ2MT-024 (12)
ANTW-100 (98)
ANTW-100 (99)
ANTW-100 (04)

AT&T MAG6 9' BOC

Existing 12-inch waterline shall be remain

SSMH TOP=1024.15 INACCESSIBLE

8" DIP

1/0UTA

APPROX. DRIVEWAY LOCATION

ANTW-200 (98)
GPC/35'
EXIST R/W
SR-5BQ2MT-048 (12)
AT&T HH 5' BOC
ANTW-400 (97)
APPROX EXIST R/W

Sewer MH to be adjusted to the proposed grade

DAVIS DRIVE
℄ OF CONST.

MATCH LINE STA.104+60 SEE SHEET 44-001

MATCH LINE STA.110+40 SEE SHEET 44-003

4" PLASTIC

ANTW-600 (97)
ANTW-200 (98)
ANTW-50 (97)
AT&T DSB12 7' BOC
1/0UTA
10" DIP
32' EOP @ 41"
3-1/0AXNJ

SSMH TOP=1022.47 IN(A)=1013.07 IN(B)=1012.92 OUT=1012.62

SSMH TOP=1013.47 IN(A)=1001.07 IN(B)=1003.27 OUT=1000.97/10" DIP

SSMH TOP=1011.72 OUT=1005.22

8" DIP

GPC/ T# 230700

SSMH TOP=1016.98 IN=1006.33 OUT=1006.23

HOMEWOOD SUITES

PAPPAS RESTAURANTS INC.

3-750AAC+ 4/0ALN

LL 607

Curve* 2
PI Sta= 110+29.03
N= 1470389.73
E= 2252351.90
DELTA= 01°49'47.4" (LT)
D= 02°51'53.24"
T= 31.94
L= 63.87
R= 2000.00
E= 0.26
Curve* 2 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-002

01/26/2015 GPLN

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$

MAIN EVENT

BEGIN CONSTRUCTION WITH FULL DEPTH ASPHALT CONSTRUCTION
END MILL,OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470455.6613
E 2252450.8430

GPC/100'

2 ALPHARETTA FAMILY SKATE CENTER

Curve# 3
PI Sta= 114+24.36
N= 1470602.59
E= 2252685.02
DELTA= 16°54'16.8" (RT)
D= 08°18'13.45"
T= 102.53
L= 203.58
R= 690.00
E= 7.58
e= 2.6%

GPC/35' GPC/35' GPC/35' GPC/35' GPC/35'

SSMH
TOP=1064.93
IN=1057.38
OUT=1057.23/8" DIP

SSMH
TOP=1066.43
IN=1043.13
OUT=1043.03/
ASSUMED 8" DIP

SSMH
TOP=1073.45
IN(A)=1060.95
IN(B)=1060.95
OUT=1060.65

1/0UTA 1/0UTA 1/0UTA

3-750AAC+ 4/0ALN

230KV TRANSMISSION

AT&T BOXES DO NOT DISTURB

ASPHALT

111+00 112+00 113+00 114+00 115+00

REMOVE EXISTING STRUCTURES A-1 AND A-2. REMOVE PIPES UPSTREAM OF STRUCTURE ST-1.

Sewer MH to be adjusted to proposed grade

Prop. 12-inch Waterline DIP

1-12-inch Wet Tap
1-Pro. FH

AT&T HH
5' BOC

ANTW-100 (97)

6" PVC

8" DIP

REQD R/W

A-2

TRANSFORMER AND TEL PEDESTAL RELOCATIONS TO BE DONE BY OTHERS

EXIST. WATER MAIN TO BE MILL & INLAY

DAVIS DRIVE (VARIABLE R/W)

A-1

PROPOSED STORMCEPTOR MODEL STC 4501
TOP=1062.56
IN=1056.56/8" DIP
OUT=1056.GPC/
T# 226672

ST-1

A-3

18"

Sewer MH to be adjusted to the proposed grade

1-12" G/V
1-Pro. FH

ASSUMED 8" DIP

DAVIS DRIVE

LOD

CONC MSE WALL

4% PLAZA

SSMH
TOP=1065.06
INACCESSIBLE
DUE TO DEPTH

AT&T HH
12' BOC

3-1/0AXNJ

8" DIP

SSMH
TOP=1048.75
IN=1035.25/8" DIP
OUT=1035.15/8" DIP

SSMH
TOP=1043.41
IN=1031.76/8" DIP
OUT=1031.41/8" DIP

SSMH
TOP=1060.23
IN=1036.43/
ASSUMED 8" DIP
OUT=1036.33/
8" DIP

SSMH
TOP=1064.35
OUT=1051.60

Fulton County Utility Notes :
1.All existing water line; valves, valve boxes, meter boxes shall be field located and verified, including all existing sanitary sewer man holes.
2.All existing water line services shall be connected to the newly installed water line.
3.The existing water and sanitary sewer utilities locations shown on the construction drawings are approximate locations; therefore, the contractor shall field locate and verify their existing horizontal and vertical locations, prior to the commencement of the project.
4.All Fire Hydrants shall be installed at 400 feet interval along the newly installed water line.
5.The Contractor shall install along the new water line isolation Gate Valves at 800 feet interval (i.e. at every other Fire Hydrants).
6.The proposed waterline D.I.P shall be Pressure Class 350 psi , and thickness Class 56.
7.The minimum cover of four (4) feet is required over the proposed water line, from the finished grade.
8.The Contractor shall provide the required number of electronic markers ball, to be installed along the water line, during construction, at minimum 50 feet intervals.
9. All water & sewer installation work shall be performed by Futon County Standard Detail Drawings.
10. Electronic locater ball to be install 2 ft above of the pipe every 100 ft during construction and all bends.
Fulton County's Standard drawing can found at, Web:
http://www.fultoncountyga.gov/fcwr-developer-information/fcwr-standard-details

1 PAPPAS RESTAURANTS INC

3 ROCK MILL 400 LP

NOTES:
1. ONLY SIGNING AND MARKING INSTALLATION AND MILL & OVERLAY ARE PROPOSED FROM PROJECT BEGINNING TO STA. 111+50.
2. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
3. FULTON COUNTY SHALL PROVIDE SUPPLEMENTAL DESIGN INFORMATION REGARDING THE PROPOSED FUTURE 12-INCH WATER LINE, WHICH ADDRESSES THE APPARENT CONFLICTS WITH THE STORM PIPE SYSTEM SHOWN ON THIS PLAN. IT IS ANTICIPATED THAT THE WATER LINE WILL BE INSTALLED CONCURRENTLY WITH THE CONSTRUCTION OF THE DAVIS DRIVE EXTENSION.

MATCH LINE STA.110+40 SEE SHEET 44-002

MATCH LINE STA.115+80 SEE SHEET 44-004

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-003

01/26/2015 GPLN

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$

1 STORY BUILDING

POST-DEVELOPMENT DRAINAGE BASIN-#2

2 ALPHARETTA FAMILY SKATE CENTER

3 ROCK MILL 400 LP

116+00 117+00 118+00 119+00 120+00

CONC BLOCK WALL

FUTURE FULTON COUNTY 12" WATER MAIN

ASSUMED 8" DIP

S 74°19'36.1" E

Sewer MH to be adjusted to proposed grade

Sewer MH to be adjusted to the proposed grade

SSMH TOP=1076.97 INV=1051.99 TO BOTTOM

Tc PATH (REFER TO MODEL DATA)

Prop. 12" DIP Waterline

REQD R/W

1-12" G/V

B-4 B-3 B-2 B-5 B-6

ST-2

RW16033

RW16036

6' CHAIN-LINK FENCE W/ 16' GATE

1073.00

1063.00

PROPOSED STORMCEPTOR MODEL STC-900

B-1

TYPE 3 RIPRAP 130 SY

TYPE 3 RIPRAP 32 SY

TYPE 3 RIPRAP 258 SY

RW16059

RW16055

RW16058

RW16057

1065 1070 1072.00 1075

Curve# 4
PI Sta= 119+95.49
N= 1470757.29
E= 2253236.95
DELTA= 26°57'25.8" (LT)
D= 11°14'04.08"
T= 122.24
L= 239.95
R= 510.00
E= 14.44
e= 3.0%

Fulton County Utility Notes :
1.All existing water line; valves, valve boxes, meter boxes shall be field located and verified, including all existing sanitary sewer man holes.
2.All existing water line services shall be connected to the newly installed water line.
3.The existing water and sanitary sewer utilities locations shown on the construction drawings are approximate locations; therefore, the contractor shall field locate and verify their existing horizontal and vertical locations, prior to the commencement of the project.
4.All Fire Hydrants shall be installed at 400 feet interval along the newly installed water line.
5.The Contractor shall install along the new water line isolation Gate Valves at 800 feet interval (i.e. at every other Fire Hydrants).
6.The proposed waterline D.I.P shall be Pressure Class 350 psi, and thickness Class 56.
7.The minimum cover of four (4) feet is required over the proposed water line, from the finished grade.
8.The Contractor shall provide the required number of electronic markers ball to be installed along the water line, during construction, at minimum 50 feet intervals.
9. All water & sewer installation work shall be performed by Fulton County Standard Detail Drawings.
10. Electronic locater ball to be install 2 ft above of the pipe every 100 ft during construction and all bends.
Fulton County's Standard drawing can found at, Web:
http://www.fultoncountyga.gov/fcwr-developer-information/fcwr-standard-details

NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
2. FULTON COUNTY SHALL PROVIDE SUPPLEMENTAL DESIGN INFORMATION REGARDING THE PROPOSED FUTURE 12-INCH WATER LINE, WHICH ADDRESSES THE APPARENT CONFLICTS WITH THE STORM PIPE SYSTEM SHOWN ON THIS PLAN. IT IS ANTICIPATED THAT THE WATER LINE WILL BE INSTALLED CONCURRENTLY WITH THE CONSTRUCTION OF THE DAVIS DRIVE EXTENSION.

3 ROCK MILL 400 LP

MATCH LINE STA:115+80 SEE SHEET 44-003

MATCH LINE STA:120+80 SEE SHEET 44-005

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

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-004

01/26/2015 GPLN

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$

Curve# 5
PI Sta= 124+45.57
N= 1471065.18
E= 2253570.82
DELTA= 88°24'23.9" (LT)
D= 28°56'14.14"
T= 192.57
L= 305.51
R= 198.00
E= 78.20
e= 4.0%

3
ROCK MILL 400 LP

POST-DEVELOPMENT DRAINAGE BASIN—#4

SSMH
TOP=1081.25
INV=1057.75
TO BOTTOM

ASSUMED 8" DIP

FUTURE FULTON COUNTY 12" WATER MAIN

SSMH
TOP=1078.15
INV=1055.25
TO BOTTOM

POST-DEVELOPMENT DRAINAGE BASIN—#2

Prop. 12-inch Waterline DIP

REQD R/W

EXIST R/W

TP D

REMOVE

DO NOT DISTURB EX. LIGHT

DO NOT DISTURB EX. C&G

REMOVE

RETAIN EX. PIPE

ASPHALT

B-7 B-8 B-9

D-1 D-1.1 D-2 D-3

18"

N 47°22'10.3" E

DAVIS DRIVE

L OF CONST.

8' SIDEWALK

REQD R/W

END 2' FB
CONC DITCH
STA. 124+12.00

REMOVE EX. PVMT
BYPASS & GRADE
TO DRAIN
(COST TO BE INCLUDED
IN GRADING COMPLETE)

DO NOT DISTURB

4
30 WEST PERSHING LLC

DO NOT DISTURB

EXISTING TOP GOLF MSE WALL

ESA BOUNDARY

130

131

FB

MATCH LINE STA.120+80
SEE SHEET 44-004

MATCH LINE STA.124+80
SEE SHEET 44-006

Curve# 4
PI Sta= 119+95.49
N= 1470757.29
E= 2253236.35
DELTA= 28°57'25.8" (LT)
D= 11°14'04.08"
T= 122.24
L= 239.95
R= 510.00
E= 14.44
e= 3.0%

POST-DEVELOPMENT DITCH DRAINAGE

POST-DEVELOPMENT DRAINAGE BASIN—#3

3
ROCK MILL 400 LP

END 2' FB DITCH
BEGIN 2' FB CONC DITCH
STA 123+50.00

Fulton County Utility Notes :
1.Contractor to install all existing sanitary sewer man holes, water valves, valve boxes, meter boxes shall be field located and verified to match (REFER TO MODEL DATA)
2.All existing water and sanitary sewer services shall be connected to the newly installed water line.
3.The existing water and sanitary sewer utilities shown on the construction drawings are approximate locations. The Contractor shall field locate and verify their existing horizontal and vertical locations prior to commencement of the project.
4.All Fire Hydrants shall be installed at 400 feet interval along the newly installed water line.
5.The Contractor shall install along the new water line isolation Gate Valves at 800 feet interval (i.e. at every other Fire Hydrants).
6.The proposed waterline D.I.P shall be Pressure Class 350 for 16-inch and smaller, Class 56.
7.The minimum cover of four (4) feet is required over the proposed water line from the finished grade.
8.The Contractor shall provide the required number of electronic markers ball to be installed along the water line, during construction, at minimum 50 feet interval.
9. All water & sewer installation work shall be performed by Futon County Standard Detail Drawings.
10. Electronic locater ball to be install 2 ft above of the pipe every 100 ft during construction and all bends.
Fulton County's Standard drawing can found at, Web:
http://www.fultoncountyga.gov/fcwr-developer-information/fcwr-standard-details

NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
2. FULTON COUNTY SHALL PROVIDE SUPPLEMENTAL DESIGN INFORMATION REGARDING THE PROPOSED FUTURE 12-INCH WATER LINE, WHICH ADDRESSES THE APPARENT CONFLICTS WITH THE STORM PIPE SYSTEM SHOWN ON THIS PLAN. IT IS ANTICIPATED THAT THE WATER LINE WILL BE INSTALLED CONCURRENTLY WITH THE CONSTRUCTION OF THE DAVIS DRIVE EXTENSION.

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

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
UTILITY PLANS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-005

01/26/2015 GPLN

NOTES:
1. SS MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO PROPOSED GRADE DURING ROADWAY CONSTRUCTION.
2. FULTON COUNTY SHALL PROVIDE SUPPLEMENTAL DESIGN INFORMATION REGARDING THE PROPOSED FUTURE 12-INCH WATER LINE, WHICH ADDRESSES THE APPARENT CONFLICTS WITH THE STORM PIPE SYSTEM SHOWN ON THIS PLAN. IT IS ANTICIPATED THAT THE WATER LINE WILL BE INSTALLED CONCURRENTLY WITH THE CONSTRUCTION OF THE DAVIS DRIVE EXTENSION.

Curve# 5
PI Sta= 124+45.57
N= 1471065.18
E= 2253570.82
DELTA= 88°24'23.9" (LT)
D= 28°56'14.14"
T= 192.57
L= 305.51
R= 198.00
E= 78.20
e= 4.0%

3 ROCK MILL 400 LP

4 WEST PERSHING LLC

Prop. 12-inch Waterline DIP

ST-3 PROPOSED STORMCEPTOR MODEL STC-450i

MH WP10 6' BOC

MH WP11 3' BOC

AT&T H/H 15' BOC

EXIST. WATER MAIN

CWSB TSP

1-12-inch Wet Tap (Size & location Field Verify)

16"x12" Reducer (TYP)

RETROFIT TO MANHOLE ADJUST TOGRADE

RETROFIT EXISTING BOX TO INCORPORATE PROPOSED BOX RETAIN EXISTING PIPE

DO NOT DISTURB EX. LIGHT

DO NOT DISTURB EX. C&G

Sewer MH to be adjusted to the proposed grade

SSMH TOP=1071.05 IN=1059.55 OUT=1059.48

SSMH TOP=1068.78 IN=1060.13 OUT=1059.98/8" DIP

TERMINUS UNKNOWN

REQD R/W

EXIST R/W

ASPHALT

DAVIS DRIVE | N 41°02'13.7" W
℄ OF CONST.

MATCH LINE STA.124+80 SEE SHEET 44-005

END CONSTRUCTION WITH FULL DEPTH ASPHALT TO MATCH EXISTING GRADE STA 128+15.63 N 1471404.3689 E 2253275.5846

END PROJECT END CONSTRUCTION STA 128+33.35 N 1471417.7308 E 2253263.9541

TBM #3267 "X" SCRIBED IN CONCRETE N=1471378.52 E=2253304.74 ELEV=1066.00

SANCTUARY PARK REALTY HOLDING COMPANY

SANCTUARY PARK REAL HOLDING COMPANY

WESTSIDE PARKWAY

SANCTUARY PARKWAY

98' WW

180' WW

GPC/***

GPC/40'

GPC/100

RETAIN

C-1

C-1.1

C-2

125+00 126+00 127+00 129+00 129+50

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
UTILITY PLANS
DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)
DRAWING No. 44-006

01/26/2015 GPLN

DATE$$ | TIME$$ | $PRFB$ | DGN
$USER$ | $$PENTABLE$$

OPAL D ABBINK ET AL
PARCEL ID: 12-238006070-388
DEED BOOK 53543, PAGE 131

SAM'S REAL ESTATE BUSINESS TRUST
PARCEL ID: 12-238006070-206
DEED BOOK 35210, PAGE 343

COLE OB ALPHARETTA GA LLC
PARCEL ID: 12-238006070-354
DEED BOOK 49169, PAGE 432

MANSELL ROAD

DAVIS DRIVE

CURVE# 1

P.I. 102+33.94

BEGIN PROJECT
BEGIN MILL,OVERLAY,
RE-STRIPING ONLY
STA 100+14.08
N 1469760.1612
E 2251612.7310

PI 100+00.00

MANSELL ROAD (VARIABLE R/W)

N 11°29'39.5" E

REPAIR OR REPLACE LOOPS (6x40(x2) QUADRUPOLE) IF DAMAGED DURING CONSTRUCTION.

PC 101+09.54

LIMIT OF MILL & INLAY

EXIST R/W

1/0UTA

3-1/0AXNJ

ANTW-50 (98)

ANTW-600 (97)
ANTW-200 (98)

ANTW-900 (97)

AT&T HH
9' BOC

AT&T BSC6
24' BOC

AT&T BSC6
14' BOC

TIE TO EX. S/W & C/G
+38, 50.5 LT

TIE TO EX. S/W & C/G
+35,40.0 LT

TIE TO EX. S/W & C/G
+41 58.0' RT

TIE TO EX. S/W & C/G
+31 74.0' RT

GPC/35'

GPC/40'

GPC/ T#226588

SSMH
TOP=1000.02
IN(A)=987.42
IN(B)=988.82
OUT=987.12

8" DIP

10" DIP

N 59°15'06.6" E

PT 103+43.67

104+00

103+00

100+00

102+00

20.6'

32.8'

22.1'

23.3'

WATER VAULT

IRRIGATION VAULT

IPF 1/2" REBAR

IPF 1/2" REBAR

MATCH LINE STA.104+60
SEE SHEET 44-008

NO SANITARY SEWER WORK ON THIS SHEET

Fulton County Utility Notes:
1. All existing water valves, valve boxes, and meter boxes shall be field located and verified as well as existing sanitary sewer man holes.
2. All existing water services shall be connected to the newly installed water main.
3. The existing water and sanitary sewer utility locations shown on the construction drawings are approximate locations; therefore, the contractor shall field locate and verify their existing horizontal and vertical locations prior to commencement of the project.
4. All Fire Hydrants shall be installed at 400 feet intervals along the newly installed water main.
5. The contractor shall install along the new water main Isolation Gate Valves at 600 feet intervals (i.e. at every other Fire Hydrant).
6. The proposed D.I.P. water main shall be Pressure Class 350 psi and thickness Class 56.
7. The minimum cover of four (4) feet is required over the proposed water main, from the finished grade.
8. The Contractor shall provide the required number of electronic marker balls to be installed along the water main during construction, at minimum 50 feet intervals.
9. All water & sewer installation work shall be performed by Fulton County Standard Detail Drawings.
10. Electronic locator balls are to be installed during construction 2 ft above the pipe every 100 ft and at all bends.
Fulton County's Standard drawings can be found at their Website:
http://www.fultoncountyga.gov/flow-development-information/flow-standard-details

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 32144 WILLIAM F. LIVINGSTON, JR.
6-26-2021

SANITARY SEWER ONLY

Curve# 1
PI Sta= 102+33.94
N= 1469975.73
E= 2251655.97
DELTA= 47°54'37.1" (RT)
D= 20°27'46.00"
T= 124.40
L= 234.13
R= 280.00
E= 26.39
e= N/A
Curve# 1 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

BID ALTERNATE

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
UTILITY PLANS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-007

Fulton County Utility Notes:
1. All existing water valves, valve boxes, and meter boxes shall be field located and verified as well as existing sanitary sewer man holes.
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4. All Fire Hydrants shall be installed at 400 feet intervals along the newly installed water main.
5. The contractor shall install along the new water main isolation Gate Valves at 800 feet intervals (i.e. at every other Fire Hydrant).
6. The proposed D.I.P. water main shall be Pressure Class 350 psi and thickness Class 56.
7. The minimum cover of four (4) feet is required over the proposed water main, from the finished grade.
8. The Contractor shall provide the required number of electronic marker balls to be installed along the water main during construction, at minimum 50 feet intervals.
9. All water & sewer installation work shall be performed by Fulton County Standard Detail Drawings.
10. Electronic locator balls are to be installed during construction 2 ft above the pipe every 100 ft and at all bends.
Fulton County's Standard drawings can be found at their Website:
http://www.fultoncountyga.gov/fcwr-development-information/fcwr-standard-details

SAM'S REAL ESTATE BUSINESS TRUST

3-1/0AXNJ

PK NAIL

IPF

BL

105+00

1/0UTA

EXIST R/W

GPC/35'

106+00

GPC/35'

107+00

SSMH
TOP=1022.13
INACCESSIBLE

8" DIP

APPROX EXIST R/W

GPC/35'

108+00

1/0UTA

109+00

GPC/35'

PC 109+97.10

110+00

SSMH
TOP=1040.2
IN(A)=1030.68
IN(B)=1030.98 8" DIP
OUT=1028.88

MAIN EVENT

GPC/
T# 230287

LIMIT OF
MILL & INLAY

DAVIS DRIVE

DAVIS DRIVE
(VARIABLE R/W)

℄ OF CONST.

N 59°15'06.6" E

8" DIP

DAVIS DRIVE

CURVE# 2

LIMIT OF
MILL & INLAY

GPC/35'

EXIST R/W

IPF

1/2" REBAR

1/0UTA

10" DIP

APPROX EXIST R/W

SSMH
TOP=1022.47
IN(A)=1013.07
IN(B)=1012.92
OUT=1012.82

3-1/0AXNJ

IPF

EXIST R/W

8" DIP

SSMH
TOP=1013.47
IN(A)=1001.07
IN(B)=1003.27
OUT=1000.97/10" DIP

SSMH
TOP=1011.72
OUT=1005.22

GPC/
T# 230700

10" DIP

SSMH
TOP=1016.98
IN=1006.33
OUT=1006.23

HOMEWOOD SUITES

℄

GPC/4

1

PAPPAS RESTAURANTS INC
SEE SHEETS 4 & 6

3-750AAC+
4/0ALN

3-1/0AXNJ

3-1/0AXNJ

SAM'S REAL ESTATE
BUSINESS TRUST

GEORGIA
No. 30044
PROFESSIONAL
ENGINEER
WILLIAM F. LIVINGSTON, JR.

1-26-2021

SANITARY SEWER ONLY

NO SANITARY SEWER
WORK ON THIS SHEET

BID ALTERNATE

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

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

ENVIRONMENTALLY SENSITIVE
AREA BOUNDARY

ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No.
44-008

MAIN EVENT

ONSTRUCTION WITH FULL DEPTH SECTION
END MILL,OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470454.8663
E 2252453.8330

IGIN R/W ACQUISITION
DAVIS DRIVE
STA 110+85.55
N 1470419.089
E 2252397.842

3
ALPHARETTA FAMILY SKATE CENTER
SEE SHEETS 5 & 6

APPROXIMATE LAND LOT LINE

230KV TRANSMISSION

3-750AAC+ 4/0AUN

DWESMT

111+00

112+00

113+00

114+00

115+00

AREA 1

AREA 3

REMOVE EXISTING STRUCTURES A-1 AND A-2. REMOVE PIPES UPSTREAM OF STRUCTURE ST-1

AT&T HH
5' BOC

AT&T BOXES

SSMH
TOP=1064.93
IN=1057.38
OUT=1057.23/8"

SSMH
TOP=1066.43
IN=1043.13
OUT=1043.03/
ASSUMED 8" DIP

SSMH
TOP=1073.45
IN(A)=1060.85
IN(B)=1060.85
OUT=1060.65

BEGIN SIDEWALK
TURN-DOWN WALL #2 W/ HANDRAI
STA 115+15

EXIST R/W

REQD R/W

ANTW-400 (97)

ANTW-100 (97)

TESMT

6" PVC

6' SIDEWALK

EXIST. WATER MAIN TO MILL & INLAY

N 57°25'19.2" E
℄ OF CONST.
DAVIS DRIVE

8" DIP

PROPOSED STORMCEPTOR MODEL STC 4501
TOP=1059.58
IN=1056.58/8" DIP
OUT=1056.16/8" DIP

ST-1

A-1

A-2

A-3

18"

ASSUMED 8" DIP

N 74°16'36.1" E
DAVIS DRIVE

DO NOT DISTURB

SSMH
TOP=1065.06
INACCESSIBLE
DUE TO DEPTH

REMOVE EX. PVMT
GRASS & GRADE
TO DRAIN

SSMH
TOP=1048.75
IN=1035.25/8" DIP
OUT=1035.15/8" DIP

SSMH
TOP=1043.41
IN=1031.76/8" DIP
OUT=1031.41/8" DIP

SSMH
TOP=1060.23
IN=1036.43/
ASSUMED 8" DIP
OUT=1036.33/
8" DIP

3-1/0AXNJ

8" DIP

3
PAPPAS RESTAURANTS INC
SEE SHEETS 3 & 6

SSMH
TOP=1064.35
OUT=1051.60

NO SANITARY SEWER
WORK ON THIS SHEET

3
ROCK MILL 400 LP
SEE SHEETS 5,7,8 & 9

SANITARY SEWER ONLY

BID ALTERNATE

Fulton County Utility Notes:
1. All existing water valves, valve boxes, and meter boxes shall be field located and verified as well as existing sanitary sewer man holes.
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6. The proposed D.I.P. water main shall be Pressure Class 350 psi and thickness Class 56.
7. The minimum cover of four (4) feet is required over the proposed water main, from the finished grade.
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9. All water & sewer installation work shall be performed by Fulton County Standard Detail Drawings.
10. Electronic locator balls are to be installed during construction 2 ft above the pipe every 100 ft and at all bends.
Fulton County's Standard drawings can be found at their Website:
http://www.fultoncountyga.gov/flow-development-information/flow-standard-details

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No.
44-009

DATE:##
TIME:##
$FRSET
$$PENTABLE:##
$USER#
$DGN#

MATCH LINE STA.115+80
SEE SHEET 44-009

DO NOT DISTURB
EX. C&G

116+00

AREA 2

END SIDEWALK
TURN-DOWN WALL W/ HANDRAIL
STA 116+19.21

TESMT

AREA 1

6' SIDEWALK

117+00

3
ALPHARETTA FAMILY SKATE CENTER
SEE SHEETS 4 & 6

118+00

ASSUMED 8" DIP

N 74°19'36.1" E

DAVIS DRIVE

℄ OF CONST.

15.0'

24'

RW16036

6' SIDEWALK

TESM

STA. 115+80±
SSMH
TOP=1076.24
8" OUT = 1046.80
8" IN = 1049.38
ADJUST SANITARY SEWER
MANHOLE FRAME & COVER
TO FINAL GRADE

RW16054

ST-2
PROPOSED
STORMCEPTOR
MODEL STC-900

RW16055

AREA 1

RW16056

RW16057

RW16058

B-4
B-3
B-2
B-5
B-1
B-6

119+00

28 L.F. 8" D.I.P.
@ 8.0%

SSMH
TOP=1076.37
INV=1051.95
TO BOTTOM

3
ROCK MILL 400 LP
SEE SHEETS 4,7,8 & 9

STA. 120+00±
8" D.I.P. WITH CLEAN-OUT
FOR FUTURE SEWER
CONNECTION
83 GPM CAPACITY

CUT AND PLUG
EXISTING 8" SEWER

REMOVE EXIST.
8" SAN. SEWER

ASSUME

TESMT

REQD R/W

18'

276 L.F. 8" D.I.P.
S 54°55'19"W

40 L.F. 8" D.I.P.
1% MIN. SLOPE

RW16033

TESMT

AREA 4

1-ADJUST SANITARY
SEWER MANHOLE
FRAME & COVER
TO FINAL GRADE
8" IN. = 1053.44 EAST
8" OUT = 1051.95
8" IN = 1053.80 NORTH
8" IN = 1053.80 SOUTH
TOP = 1074.22

RW16059

Type 3
RipRap, 18"

STA. 119+98±
8" D.I.P. WITH CLEAN-OUT
FOR FUTURE SEWER
CONNECTION
83 GPM CAPACITY

3
ROCK MILL 400 LP
SEE SHEETS 4,7,8 & 9

LL 639

LL 638

APPROXIMATE LAND LOT LINE

MATCH LINE STA.120+80
SEE SHEET 44-011

Fulton County Utility Notes:
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Fulton County's Standard drawings can be found at their Website:
http://www.fultoncountyga.gov/fcwr-development-information/fcwr-standard-details

GEORGIA REGISTERED PROFESSIONAL ENGINEER WILLIAM F. LIVINGSTON JR. 29504
9-1-2021

SANITARY SEWER ONLY

BID ALTERNATE

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

SCALE IN FEET
0 20 40 80

REVISION DATES

ADD SERVICE LINE	02-02-21	WFL
MOVED SEWER	06-11-21	WFL
ADDED CUT AND PLUG	08-12-21	WFL
ADDED CO CAPACITY	08-24-21	WFL
REVISED CO CAPACITY	08-31-21	WFL

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-010

Fulton County Utility Notes:
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http://www.fultoncountyga.gov/fcw-development-information/fcw-standard-details

3
ROCK MILL 400 LP
SEE SHEETS 4,5,8 & 9

SSMH
TOP=1081.25
INV=1057.25
TO BOTTOM
ABANDON

END FULL DEPTH CONSTRUCTION WITH GAB
BEGIN CONSTRUCTION WITH SOIL CEMENT BASE
& OVERLAY WITH 12.5 MM SUPERPAVE
STA 124+05.70
N 1471069.4381
E 2253492.7390

ASSUMED 8" DIP

FUTURE FULTON COUNTY
12" WATER MAIN

SSMH
TOP=1078.15
INV=1055.25
TO BOTTOM
ABANDON

REMOVE EXIST.
8" SAN. SEWER

D 8" DIP

121+00
122+00
123+00
124+00

TESMT
REQD R/W
FH
B-9
B-8
B-7
18"
6' SIDEWALK
EFS +92 3.0%
RC +13 2.0%
RC +39 2.0%
BFS +82 4.0%
N 47°22'10.3" E
276 L.F. 8" D.I.P.
S 54°55'19"W
DAVIS DRIVE
288 L.F. 8" D.I.P.
S 05°18'57"W
℄ OF CONST.
EXIST R/W
D-3
D-2
D-1.1
D-1
TP D
REMOVE
DO NOT DISTURB EX. LIGHT
DO NOT DISTURB EX. C&G
TESMT
RETAIN EX. PIPE
DWESMT
PP
DO NOT DISTURB

3
30 WEST PERSHING LLC
DO NOT DISTURB SEE SHEETS 8 & 9

1/2" REBAR IPF
1/2" REBAR IPF
1/2" REBAR IPF
SA BOUNDARY

APPROXIMATE LAND LOT LINE
LL 639
LL 654

3
ROCK MILL 400 LP
SEE SHEETS 4,5,8 & 9

STA. 122+78±
TOP = 1083.20
8" OUT = 1056.20
8" IN = 1056.40

GEORGIA
No. 19964
PROFESSIONAL
ENGINEER
WILLIAM F. LIVINGSTON, JR.
3-26-22

SANITARY SEWER ONLY

BID ALTERNATE

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

SCALE IN FEET
0 20 40 80

REVISION DATES

MOVED SEWER	06-11-21	WFL
CHANGED PIPE LENGTH	08-12-21	WFL

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
UTILITY PLANS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No.
44-011

DATE: | TIME: | PRP: | NAME:
USER: | PENTABLE:

Fulton County Utility Notes:
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Fulton County's Standard drawings can be found at their Website:
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STA. 125+44±
8" D.I.P. WITH CLEAN-OUT FOR FUTURE SEWER CONNECT 83 GPM CAPACITY

3
ROCK MILL 400 LP
SEE SHEETS 4,5,7 & 9

ST-3
PROPOSED STORMCEPTOR MODEL STC-450

125+00
126+00
127+00
128+00
129+00
129+50

TESMT
TESMT

60 L.F. 8" D.I.P. @ 1.0% MIN. SLOPE

REMOVE EXIST. SEWER

MATCH LINE STA.124+80 SEE SHEET 44-011

REQD R/W
REQD R/W
REQD R/W

ABANDON EXISTING MH

208 L.F. 8" D.I.P. S 05°19'57" W

CUT & PLUG

DAVIS DRIVE | N 41°02'13.7" W
℄ OF CONST.

EXIST R/W
EXIST R/W
EXIST R/W
EXIST R/W

RETAIN
RETAIN

C-1
C-2
C-3

SSMH
TOP=1071.00
IN=1053.55
OUT=1053.48
4" PVC

SSMH
TOP=1069.78
IN=1060.13
OUT=1059.98 8" DIP

TERMINUS UNKNOWN

DWESMT

3
30 WEST PERSHING LLC
SEE SHEETS 7 & 9

STA. 125+25±
TOP = 1072.50
8" IN = 1059.40
8" IN = 1059.80
8" OUT = 1059.08

DO NOT DISTURB

WESTSIDE PARKWAY
WESTSIDE PARKWAY

SANCTUARY PARK REALTY HOLDING COMPANY
SANCTUARY PARK REALTY HOLDING COMPANY

GPC/***
GPC/***
GPC/100
GPC/40'

R/W MARKER (3)
R/W MARKER EXIST R/W

SANCTUARY PARKWAY

EXIST R/W

GEORGIA REGISTERED No. 15041 PROFESSIONAL WILLIAM F. LIVINGSTON, JR.
9-2-2021

SANITARY SEWER ONLY

BID ALTERNATE

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

ATKINS

SCALE IN FEET
0 20 40 80

REVISION DATES		
ADD SERVICE LINE	02-02-21	WFL
MOVED SEWER	06-11-21	WFL
ADDED ABANDON MH	08-12-21	WFL
ADDED CO CAPACITY	08-24-21	WFL
REVISED CO CAPACITY	08-31-21	WFL

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
UTILITY PLANS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)
DRAWING No. 44-012

DATE$$$ TIME$$$ $PRF$$ DGN
$USER$ $$PENTABLE$$

144.00 VC
K = 12.09

150.00 VC
K = 29.92

ADJUST SANITARY SEWER FRAME & COVER TO FINAL GRADE

STA 115+61 ADJUST SANITARY SEWER (ROAD STATION) FRAME & COVER TO FINAL GRADE

PVI 110+93.00
PVI EL=1046.70

PVC 111+35.00
PVC EL=1063.59

PVI 112+08.00
PVI EL=1065.12

PVT 112+80.00
PVT EL=1068.07

PVC 113+95.00
PVC EL=1072.79

PVI 114+70.00
PVI EL=1075.87

VHIGH 115+17.76
EL= 1075.31

PVT 115+45.00
PVT EL=1075.19

+16.02%

+4.10%

-0.91%

BEGIN PROJECT
BEGIN MILL,OVERLAY & RE-STRIPING ONLY
STA 100+14.00

BEGIN CONSTRUCTION WITH FULL DEPTH SECTION
END MILL,OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470454.8663
E 2252453.8330

EX. 18" RCP

EX. 8" DIP

EX. 8" DIP

EXISTING 307 L.F. 8" D.I.P. @ 1.23%

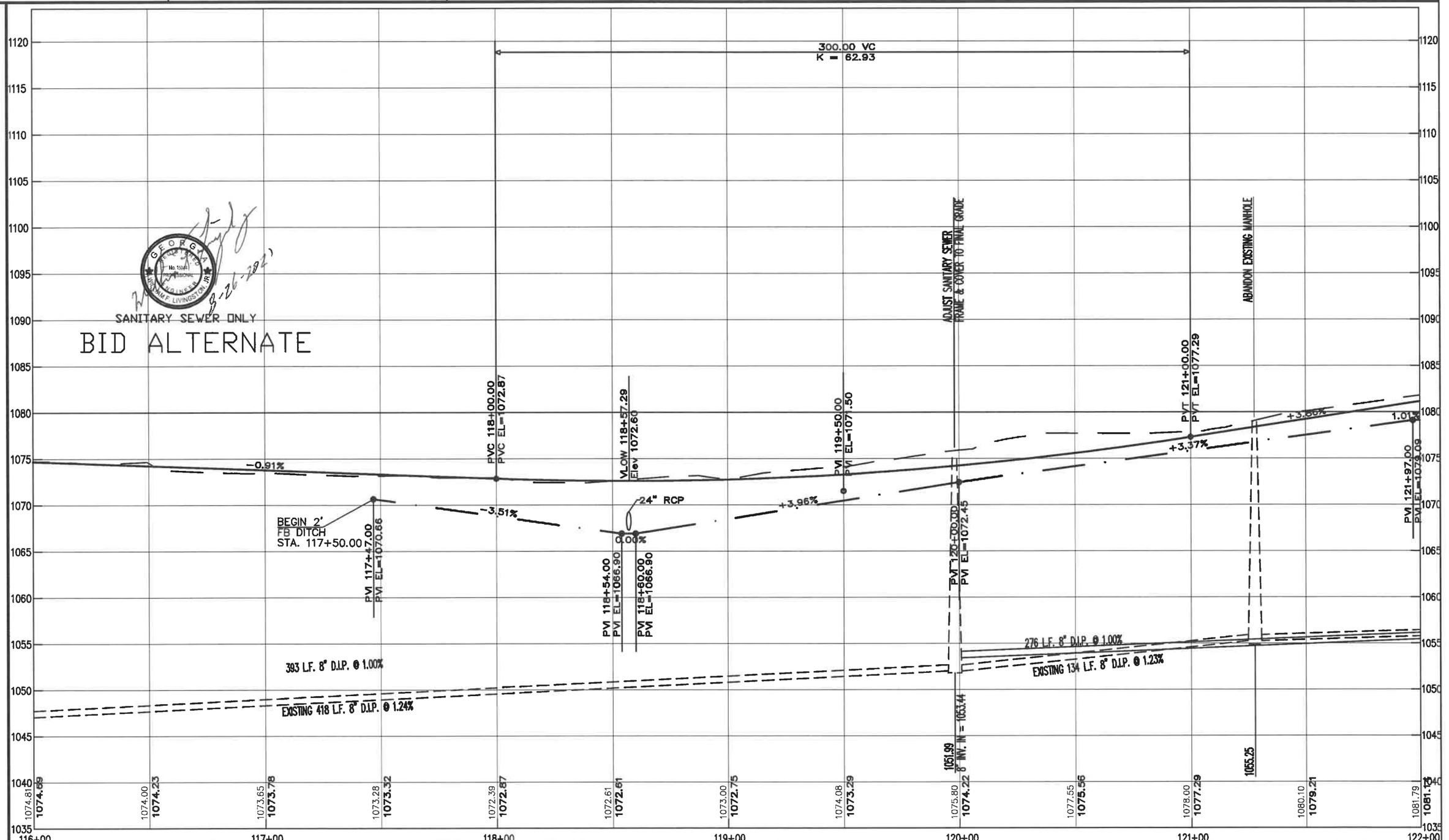
| | | |

DATE$$$ TIME$$$ $FILE$ $DRIVE$
$USER$ $$PENTABLE$$

GEORGIA REGISTERED No. 15041 PROFESSIONAL ENGINEER WILLIAM F. LIVINGSTON JR.
8-26-21

SANITARY SEWER ONLY

BID ALTERNATE



ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

SCALE IN FEET:
1"=20' HORIZ
1"=5' VERT

REVISION DATES		
MOVED SEWER	06-11-21	WFL

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No.
44-014

DATE$$S | TIME$$S | $PREF$S | DWGS
$USER$S | $$PENTABLE$$

200.00 VC
K = 18.18

160.00 VC
K = 26.28

60.00 VC
K = 27.05

PVC 122+20.00
PVC EL=1081.91

VPIGH 122+90.10
EL= 1083.27

STA 122+78
(ROAD STATION)

PVI 123+20.00
PVI EL=1085.77

+3.86%

+1.01%

-4.12%

-7.15%

-5.30%

-1.58%

3.80%

-1.06%

-3.28%

END FULL DEPTH CONSTRUCTION WITH GAB
BEGIN CONSTRUCTION WITH SOIL CEMENT BASE
& OVERLAY WITH 12.5 MM SUPERPAVE
STA 124+05.70
N 1471069.4381
E 2253492.7390

END 2' FB DITCH
BEGIN 2' FB CONC DITCH
STA. 123+50.00

PVI 123+50.00
PVI EL=1080.64

PVI 123+79.00
PVI EL=1079.48

PVI 123+95.00
PVI EL=1071.00

PVI 124+00.00
PVI EL=1068.72

PVI 124+12.00
PVI EL=1068.26

PVT 124+20.00
PVT EL=1078.62

PVC 124+45.00
PVC EL=1076.84

ABANDON EXISTING MANHOLE

ABANDON EXISTING MANHOLE

STA. 125+25
(ROAD STATION)

PVI 125+25.00
PVI EL=1071.12

PVT 126+05.00
PVT EL=1070.27

PVC 126+18.00
PVC EL=1070.14

PVI 126+48.00
PVI EL=1069.82

PVT 126+78.00
PVT EL=1068.84

END CONSTRUCTION WITH SOIL CEMENT BASE
AND OVERLAY WITH 12.5 MM SUPERPAVE
STA 127+99.03
N 1471391.8497
E 2253286.4817

276 L.F. 8" D.I.P. @ 1.00%

EXIST. 267 L.F. 8" D.I.P. @ 0.94%

268 L.F. 8" D.I.P.
@ 1.00%

EXIST. 111 L.F. 8" D.I.P.
@ 1.56%

8" INV. OUT = 1056.20
8" INV. IN = 1056.40

8" INV. OUT = 1059.08
8" INV. IN = 1059.40

EX. 18" RCP

GEORGIA REGISTERED PROFESSIONAL ENGINEER JAMES F. LIVINGSTON, JR.
7-26-2021

SANITARY SEWER ONLY

BID ALTERNATE

1081.79 1081.14
1083.95 1082.82
1085.77 1083.24
1086.04 1082.28
1086.10 1079.94
1077.68 1076.48
1057.75
1071.18 1073.48
1059.48 1059.55
1071.00 1071.43
1071.00 1070.33
1069.78 1069.61
1068.00 1068.12
1066.00 1066.48
1065.00 1064.82

122+00 123+00 124+00 125+00 126+00 127+00 128+00

1125 1120 1115 1110 1105 1100 1095 1090 1085 1080 1075 1070 1065 1060 1055 1050 1045 1040

ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

SCALE IN FEET:
1"=20' HORIZ
1"=5' VERT

REVISION DATES

MOVED SEWER	06-11-21	WFL
ADDED ABANDON MH	08-16-21	WFL

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

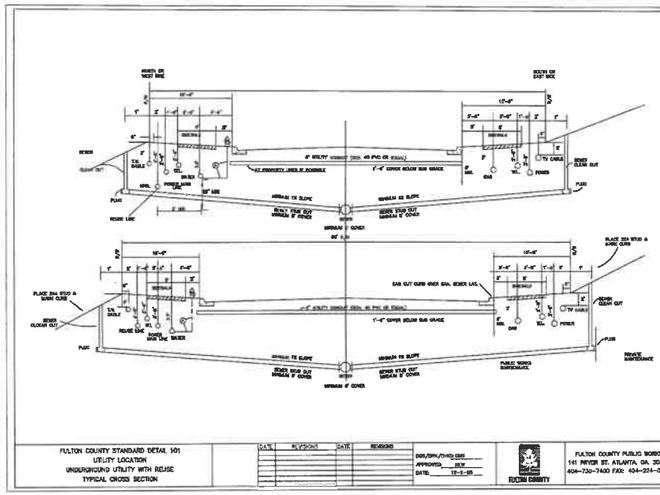
UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No.
44-015

DATE$$$ TIME$$$ $PRFB$ DGN

$USER$ $$PENTABLE$$



FULTON COUNTY STANDARD DETAIL 101
UTILITY LOCATION
UNDERGROUND UTILITY WITH REUSE
TYPICAL CROSS SECTION

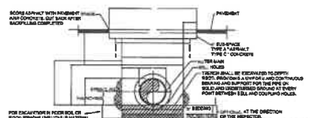
DATE	REVISIONS	DATE	REVISIONS

DSN/DRN/CHKD: DWS
APPROVED: REV
DATE: 12-1-05

FULTON COUNTY

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0468

101



ALLOWABLE TRENCH WIDTHS

PIPE SIZE (NOM)	A SIDE CLEARANCE EACH		B DITCH WIDTH INCH		C SHORING WIDTH (ADDITIONAL-EACH)	D CUT REPAIR WIDTH REST	
	SOIL	ROCK	SOIL	ROCK		SOIL	ROCK
			MIN MAX	MIN MAX		MIN AVG MIN AVG	
3/4"-2"	2	6	NA 8	NA 14	AS APPROVED	NA 3.00	NA 3.17
4"	9	12	25 23	27 23	AS APPROVED	4.00 3.67	4.25 4.00
6"	9	12	28 28	30 30	AS APPROVED	4.33 4.33	4.50 4.33
8"	9	12	32 30	34 32	AS APPROVED	4.67 4.33	4.83 4.67
10"	9	12	34 32	36 34	AS APPROVED	4.83 4.67	5.00 4.83
12"	9	12	35 34	38 36	AS APPROVED	5.00 4.83	5.17 5.00
14"	9	14	39 36	41 38	AS APPROVED	5.33 5.00	5.42 5.17
16"	9	14	42 38	44 42	AS APPROVED	5.50 5.17	5.67 5.33
20"	9	14	45 44	47 46	AS APPROVED	5.75 5.67	5.92 5.83
24"	9	14	50 48	52 50	AS APPROVED	6.17 6.00	6.33 6.17
30"	9	18	58 54	60 56	AS APPROVED	6.83 6.50	7.00 6.67
36"	9	18	64 61	66 63	AS APPROVED	7.33 7.08	7.50 7.25
42"	9	18	72 64	74 66	AS APPROVED	8.00 7.33	8.17 7.50
48"	9	18	78 73	80 76	AS APPROVED	8.50 8.08	8.34 8.25

FULTON COUNTY STANDARD DETAIL 103
ALLOWABLE TRENCH WIDTHS

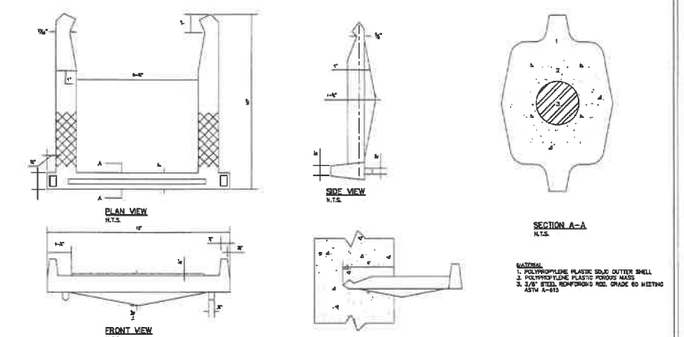
DATE	REVISIONS	DATE	REVISIONS

DSN/DRN/CHKD: DWS
APPROVED: REV
DATE: 12-1-05

FULTON COUNTY

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0468

103



FULTON COUNTY STANDARD DETAIL 104
REINFORCED PLASTIC STEP

DATE	REVISIONS	DATE	REVISIONS

DSN/DRN/CHKD: DWS
APPROVED: REV
DATE: 12-1-05

FULTON COUNTY

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104

NOTES:
1. PAVEMENT SHALL NOT BE ADJUSTED FOR A PERIOD OF 24 HOURS AFTER RESURFACING IS COMPLETED IN THAT AREA.
2. ASPHALT SHALL BE SAWCUT TO MAKE A SMOOTH, EVEN EDGE.
3. STRUCTURE COVER SHALL BE ADJUSTED TO FIT FLUSH WITH FINISHED SURFACE.
4. ALL ADJUSTMENTS SHALL BE COMPLETED WITHIN 72 HOURS.
5. CONCRETE WILL BE USED TO BACKFILL THE EXPOSED WORKING AREA.
6. FINISHING MONOLITHIC SEAL SHALL BE DONE BY USE OF A TROWEL OR FLOAT.
7. CLEAN ALL ASPHALT OFF SEWER MANHOLES AT TIME OF PAVING TO ALLOW ACCESS TO SYSTEM AT ALL TIMES.

FULTON COUNTY STANDARD DETAIL 105
STRUCTURE ADJUSTMENT

DATE	REVISIONS	DATE	REVISIONS

DSN/DRN/CHKD: DWS
APPROVED: REV
DATE: 12-1-05

FULTON COUNTY

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141 PRYOR ST. ATLANTA, GA. 30303
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NOTES:
1. AFTER INSTALLATION A DEFLECTION TEST IS REQUIRED NO SOONER THAN 24 HOURS OF TRENCH BACKFILLING. INITIAL DEFLECTION SHALL BE LIMITED TO 3% OF THE UNDEFLECTED DIAMETER.
2. PIPE SHALL BE ASTM D-3034, SDR 35 OR 13.5 FOOT LAYING LENGTHS.
3. PIPE SHALL HAVE ELASTOMERIC SEALED JOINTS IN ACCORDANCE WITH ASTM D-3212.
4. MANDREL TO BE MADE FROM AIRCRAFT-QUALITY ALUMINUM OR APPROVED EQUAL.
5. EACH FIN SET IS TO BE STAMPED WITH THE PIPE DIAMETER AND PERCENT DEFLECTION.
6. MANDREL LENGTH TO BE 10 INCHES, MANDREL WEIGHT TO BE 4 LBS.
7. MANDREL TO BE PROVIDED BY CONTRACTOR IT MUST BE MEASURED AND APPROVED PRIOR BY FULTON COUNTY INSPECTOR.
8. WHERE REQUIRED BY THE ENGINEER, AT THE END OF THE MAINTENANCE PERIOD, THE FULTON COUNTY INSPECTOR MAY REQUIRE A 5% DEFLECTION TEST AT THIS TIME PRIOR TO THE RELEASE OF THE MAINTENANCE BONDS AND THE FINAL ACCEPTANCE OF THE IMPROVEMENTS INTO COUNTY MAINTENANCE.

BASE INSIDE DIAMETER AND 3%, 5%, 7.5% MANDREL DIMENSIONS

NOMINAL SIZE AVERAGE O.D. INCHES	BASE INSIDE DIAMETER	3% DEFLECTION	5% DEFLECTION	7.5% DEFLECTION
8	8.803	8.742	8.689	8.404
8	7.991	7.865	7.435	7.251
10	9.864	9.563	9.276	9.084
12	11.737	11.361	11.020	10.782
15	14.374	13.898	13.481	13.203

THE DEFLECTION TEST GAUGE CAN BE PULLED EASILY THROUGH THE PIPELINE.

FULTON COUNTY STANDARD DETAIL 108
MANDREL DETAIL FOR
PVC PIPE INSTALLATION

DATE	REVISIONS	DATE	REVISIONS

DSN/DRN/CHKD: DWS
APPROVED: REV
DATE: 12-1-05

FULTON COUNTY

FULTON COUNTY PUBLIC WORKS
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NOTE: SEE DETAIL # 103 AND #108 FOR DIMENSIONS AND MATERIALS

FULTON COUNTY STANDARD DETAIL 108
TRENCH TERMINOLOGY

DATE	REVISIONS	DATE	REVISIONS

DSN/DRN/CHKD: DWS
APPROVED: REV
DATE: 12-1-05

FULTON COUNTY

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0468

109

GEORGIA REGISTERED No. 41144 PROFESSIONAL ENGINEER WILLIAM F. LIVINGSTON, JR.

12-26-2021

SANITARY SEWER ONLY

BID ALTERNATE

ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

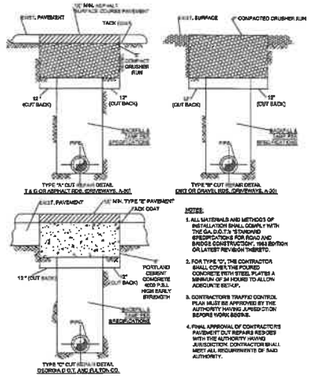
UTILITY PLANS

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No.
44-016

DATE$$$ TIME$$$ $PRF8$ DGN

$USER$ $$PENTABLE$$



NOTES:
1. ALL SAWCUTS AND LIFTINGS OF PAVEMENT SHALL BE DONE IN WITH THE GA.D.O.T.'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1993 EDITION OR LATEST REVISION THERETO.
2. FOR TYPE "B", THE CONTRACTOR SHALL CUT THE EXISTING CONCRETE WITH STEEL PLATES A MINIMUM OF 24 HOURS TO ALLOW ADEQUATE SETUP.
3. CONTRACTOR'S TRAFFIC CONTROL PLAN MUST BE APPROVED BY THE LOCAL JURISDICTION PRIOR TO BEGINNING WORK.
4. FINAL APPROVAL OF CONTRACTOR'S PAVEMENT CUT REPAIRS RESIDES WITH THE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL MEET ALL REQUIREMENTS OF SAID AUTHORITY.

FULTON COUNTY STANDARD DETAIL 109
PAVEMENT CUT REPAIRS
TYPE A, B & C

DATE	REVISIONS	DATE	REVISIONS

DGN/DRN/CHKD: CUT
APPROVED: REV
DATE: 10-2-06

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
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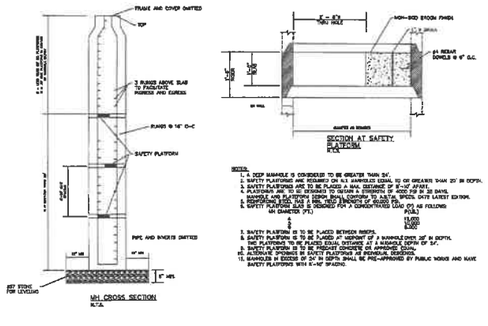
109



NOTES:
1. A DEEP MANHOLE IS CONSIDERED TO BE GREATER THAN 24'.
2. SAFETY PLATFORMS ARE REQUIRED ON ALL MANHOLES EQUAL TO OR GREATER THAN 20' IN DEPTH.
3. SAFETY PLATFORMS ARE TO BE PLACED A MAX. DISTANCE OF 8'-10" APART.
4. PLATFORMS ARE TO BE DESIGNED TO OBTAIN A STRENGTH OF 4000 PSI IN 28 DAYS.
5. MANHOLE AND PLATFORM DESIGN SHALL CONFORM TO AASHTO SPECS. DATED LATEST EDITION.
6. PLATFORMS SHALL BE CAST IN PLACE OR PRECAST.
7. SAFETY PLATFORM SIZE IS DESIGNED FOR 24" DIAMETER MANHOLES AND MAY BE FOLDING (FOR 48" DIAMETER OR LARGER MANHOLES).
8. SAFETY PLATFORM IS TO BE PLACED BETWEEN RUNGS.
9. SAFETY PLATFORM IS TO BE PLACED 4" VERTICAL DISTANCE OF A MANHOLE DEPTH OF 8' IN DEPTH. SAID PLATFORMS TO BE PLACED EQUAL DISTANCE AT A MANHOLE DEPTH OF 24'.
10. SAFETY PLATFORM IS TO BE PRECAST CONCRETE AS APPROVED EQUAL.
11. ALTERNATE SPACINGS OF SAFETY PLATFORMS AS INDICATED, DESIGNED.
12. SAFETY PLATFORMS AND THEIR DESIGN SHALL BE PRE-APPROVED BY PUBLIC WORKS AND HAVE SAFETY PLATFORMS WITH 8'-4" SPACING.

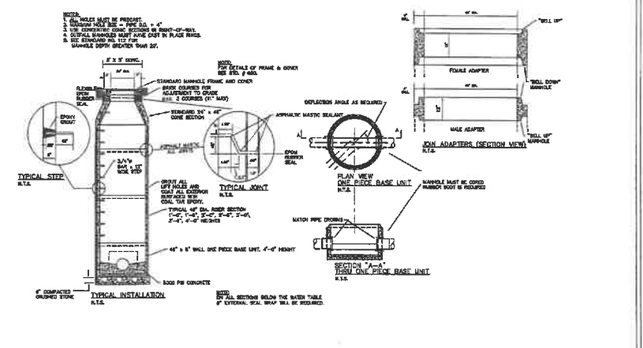
FULTON COUNTY STANDARD DETAIL 112
SAFETY PLATFORM FOR DEEP PRECAST MANHOLES

DATE	REVISIONS	DATE	REVISIONS

DGN/DRN/CHKD: RES
APPROVED: REV
DATE: 10-2-06

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0488

112



NOTES:
1. ALL HOLES MUST BE PRECAST.
2. MAXIMUM HOLE SIZE = PIPE O.D. + 4"
3. USE CONCENTRIC CONES, BOTTOMS OR FLAT-TOP SLABS.
4. OUTSIDE BARRELED MUST HAVE CUT IN PLACE RINGS.
5. SEE STANDARD DETAIL 101 FOR MANHOLE DEPTH BELOW 10ft 0".

NOTE:
FOR DETAILS OF FRAME & COVER SEE STD. # 600.

NOTE:
SEE DETAIL #600 FOR DETAILS OF FRAME & COVER

NOTE:
ON ALL SECTIONS BELOW THE WATER TABLE 6" EXTERNAL SEAL WRAP WILL BE REQUIRED.

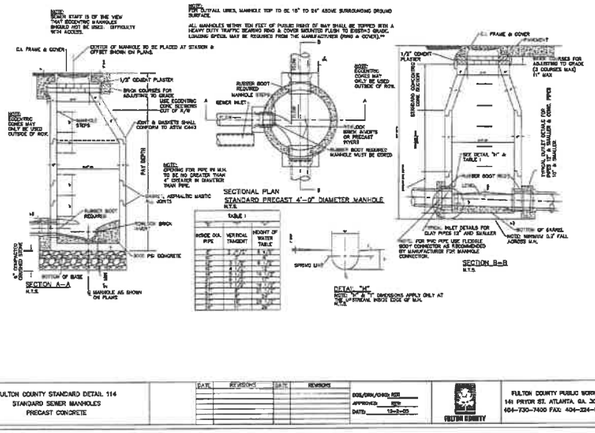
FULTON COUNTY STANDARD DETAIL 113
MANHOLES
PRECAST DETAILS

DATE	REVISIONS	DATE	REVISIONS

DGN/DRN/CHKD: RES
APPROVED: REV
DATE: 10-2-06

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0488

113



NOTE:
FOR OUTFALL LINES, MANHOLE TOP TO BE 15" TO 24" ABOVE SURROUNDING GROUND SURFACE.

ALL MANHOLES WITHIN 200 FEET OF PUBLIC RIGHT OF WAY SHALL BE EQUIPED WITH A HEAVY DUTY TRAFFIC BEARING ROAD & COVER MEANTED FLUSH TO ENSURE A SOLID, LOCKING SEVER MAY BE REQUIRED FROM THE MANUFACTURER (RING & COVER).

NOTE:
CENTERING CORES FOR PIPES 9" M.H. TO BE NO GREATER THAN 6" CLEARANCE IN DIAMETER THAN PIPE.

NOTE:
CONCRETE SHALL BE CONFORM TO ASTM C94

NOTE:
FOR PVC PIPE USE FLEXIBLE BOOT CONNECTOR AS RECOMMENDED BY MANUFACTURER FOR MANHOLE CONNECTION.

NOTE:
DETAIL "A" MAY BE USED ONLY AT DRAINAGE INLET OUTSIDE OF R/W.

FULTON COUNTY STANDARD DETAIL 114
STANDARD SEWER MANHOLES
PRECAST CONCRETE

DATE	REVISIONS	DATE	REVISIONS

DGN/DRN/CHKD: RES
APPROVED: REV
DATE: 10-2-06

FULTON COUNTY PUBLIC WORKS
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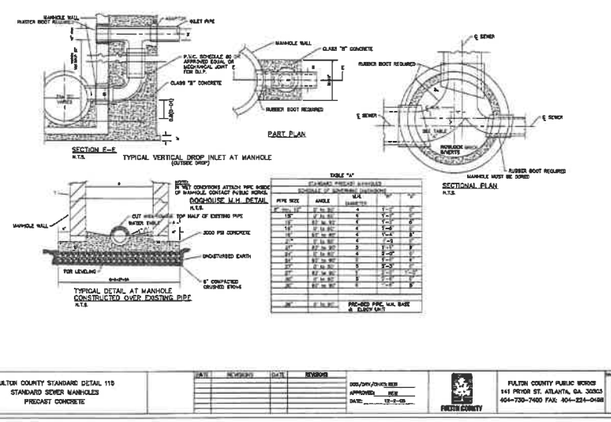
114



FULTON COUNTY STANDARD DETAIL 115
STANDARD SEWER MANHOLES
PRECAST CONCRETE

DATE	REVISIONS	DATE	REVISIONS

DGN/DRN/CHKD: RES
APPROVED: REV
DATE: 10-2-06

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
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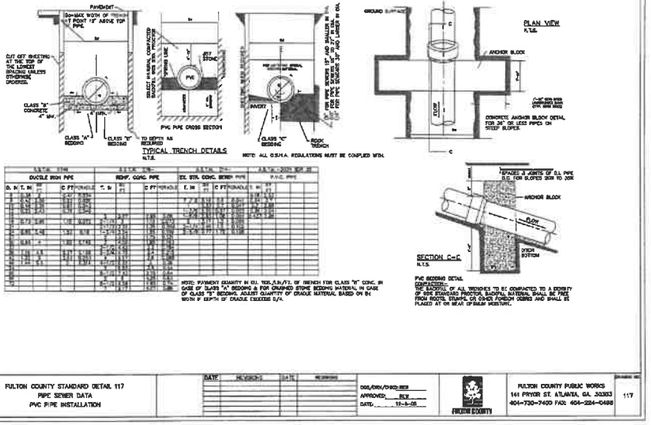
115



NOTE: PAYMENT QUANTITY IN CU. YDS./L.F./S.F. TO BE BASED FOR CLASS "C" CONC. IN CASE OF CLASS "A" BEDDING & FOR CRUSHED STONE BEDDING MATERIAL IN CASE OF CLASS "B" BEDDING. ADJUST QUANTITY OF STONE MATERIAL BASED ON 6H BEDDING 6" DEPTH OF CRADLE CREDITED S/A.

FULTON COUNTY STANDARD DETAIL 117
PIPE SEWER DATA
PVC PIPE INSTALLATION

DATE	REVISIONS	DATE	REVISIONS

DGN/DRN/CHKD: RES
APPROVED: REV
DATE: 10-2-06

FULTON COUNTY PUBLIC WORKS
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GEORGIA REGISTERED No. 19944 PROFESSIONAL ENGINEER WILLIAM F. LIVINGSTON JR.
8-26-2021

SANITARY SEWER ONLY

BID ALTERNATE

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1600 Riveredge Parkway, Suite 700
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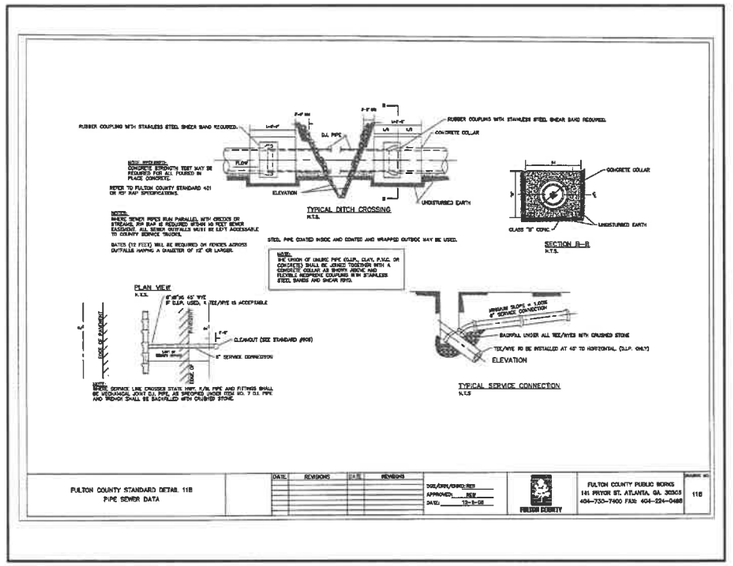
P: 770-933-0280

REVISION DATES

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
UTILITY PLANS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-017

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$



PAY ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
660-0808	SANITARY SEWER PIPE - 8" D.I.P. **REQUIRES SPECIAL PROVISIONS**	LF	544
660-1110	TEMPORARY BYPASS PUMPING SYSTEM INSTALLATION **REQUIRES SPECIAL PROVISIONS**	EA	1
660-1115	TEMPORARY BYPASS PUMPING SYSTEM DECOMMISSIONING **REQUIRES SPECIAL PROVISIONS**	EA	1
668-3300	SANITARY SEWER MANHOLE TP1	EA	2
668-3311	SANITARY SEWER MANHOLE TP1 ADDITIONAL DEPTH CL1	LF	8
668-3312	SANITARY SEWER MANHOLE TP1 ADDITIONAL DEPTH CL2	LF	14
668-3313	SANITARY SEWER MANHOLE TP1 ADDITIONAL DEPTH CL3	LF	7
660-2600	SEWER CLEAN-OUTS **REQUIRES SPECIAL PROVISIONS**	EA	3
668-2050	SEWER LATERAL 8" **REQUIRES SPECIAL PROVISIONS**	EA	3
611-8050	ADJUST MANHOLE TO GRADE	EA	5
660-3275	ABANDON MANHOLE **REQUIRES SPECIAL PROVISIONS**	EA	3
610-1725	REMOVE SANITARY SEWER PIPE 8"	LF	490
219-2000	CRUSHED AGGREGATE BASE	TON	304
660-1150	CUT & PLUG EXISTING SEWER MAIN	EA	2
660-3550	ROCK EXCAVATION **REQUIRES SPECIAL PROVISIONS**	CY	320

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 19664 WILLIAM F. LIVINGSTON, JR.
8-26-2021

SANITARY SEWER ONLY

BID ALTERNATE

ATKINS
1600 Riveredge Parkway, Suite 700
Atlanta, Georgia 30328
P: 770-933-0280

REVISION DATES

REVISED QUANTITIES	06-15-21	WFL
REVISED QUANTITIES	08-16-21	WFL

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
UTILITY PLANS
DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GA (FULTON COUNTY)

DRAWING No. 44-018

2/26/2021
william.scherer

GPLOT-V8
gplotborder-V81-P0.tbl

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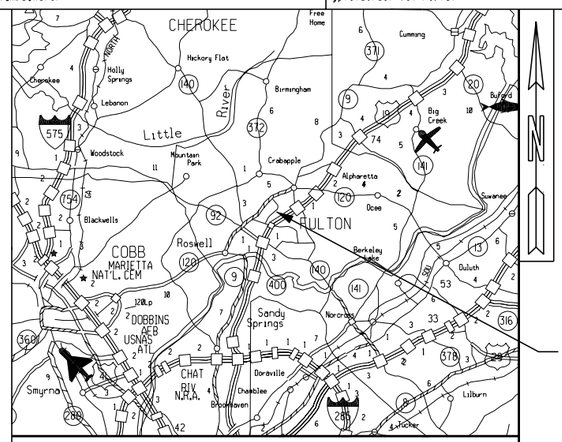
GRWCOV

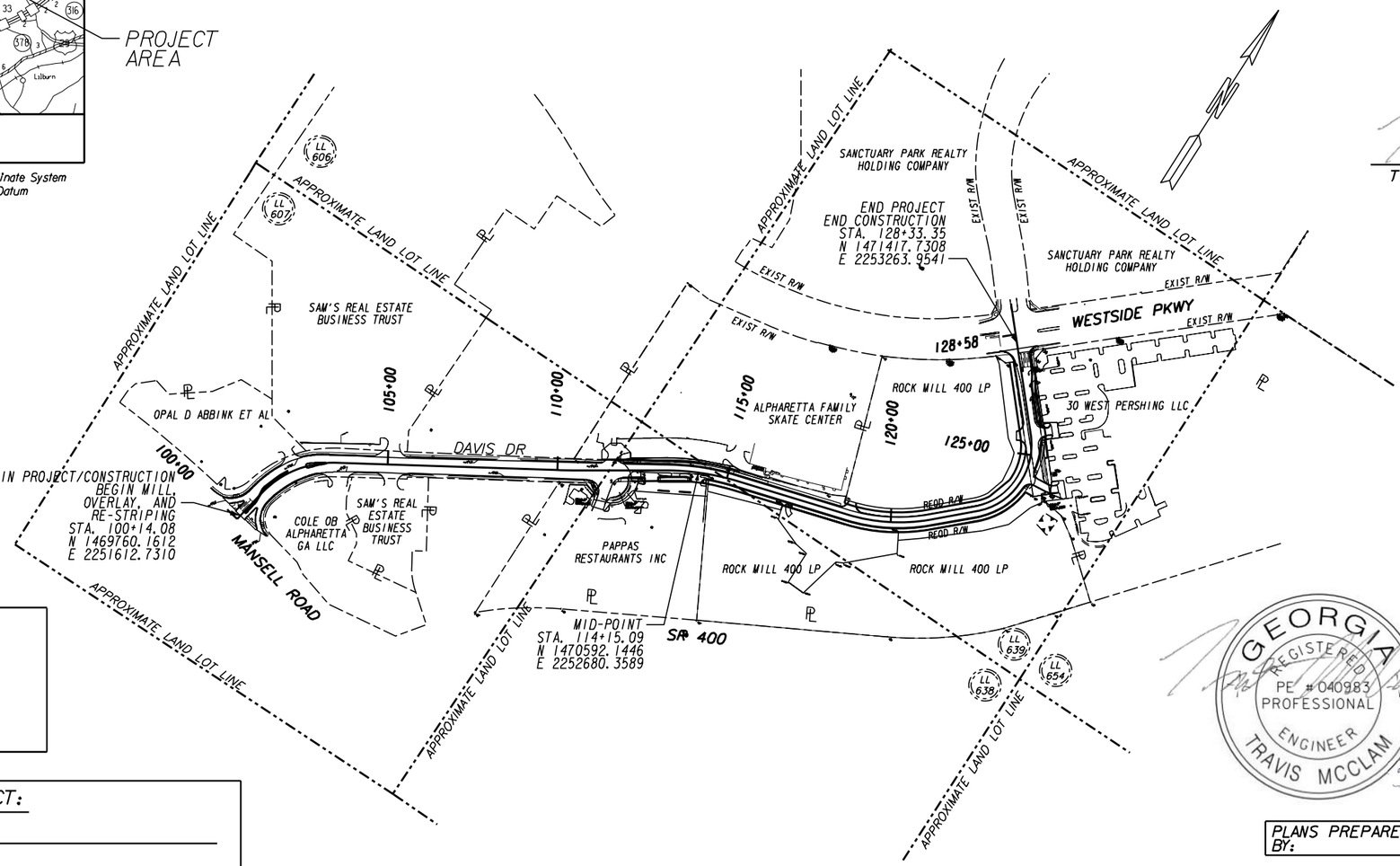
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN



LOCATION SKETCH

This project has been prepared using the Horizontal Georgia Coordinate System of 1983(NAD1983)/GA 1002 Zone, and the North American Vertical Datum (NAVD) of 1988.



SCALE IN FEET
0 200 400 800

THE CITY OF ALPHARETTA
PUBLIC WORKS

PRIMARY PERMITTEE

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
1790 Hembree Road
Alpharetta, Georgia 30009
Phone: (678) 297-6200
Email: gsarra@alpharetta.ga.us

24 HOUR CONTACT:

GEOFF SARRA, P.E.
Name

1790 HEMBREE ROAD
Street Address

ALPHARETTA, GEORGIA 30009
City, State, Zip

(770) 480-0313
Phone Number

gsarra@alpharetta.ga.us
Email Address

An alternate 24-hour contact may be named at the time the NOI is submitted.

LENGTH OF PROJECT	COUNTY No.121
	MILES
NET LENGTH OF ROADWAY	0.5529
NET LENGTH OF BRIDGES	N/A
NET LENGTH OF PROJECT	0.5529
NET LENGTH OF EXCEPTIONS	N/A
GROSS LENGTH OF PROJECT	0.5529

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

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

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

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

0000081422
TRAVIS S. MCCLAM — LEVEL II GSWCC NO.

GEORGIA REGISTERED PE # 040983 PROFESSIONAL ENGINEER TRAVIS MCCLAM
3-18-2021

BEGIN-POINT COORDINATES
Longitude: -84.3151209°
Latitude: 34.0403038°

MID-POINT COORDINATES
Longitude: -84.3116004°
Latitude: 34.0425944°

END-POINT COORDINATES
Longitude: -84.3096402°
Latitude: 34.0448298°

PLANS PREPARED BY:
AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

PLANS COMPLETED 02-29-2015
REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#
02-26-2021	NFCID	50-ALL, 51-ALL, 53-ALL, 54-ALL, 55-ALL, 56-ALL		0000081424
- -				
- -				
- -				
- -				
- -				
- -				

DRAWING No. 50-001

EPDCOV

ESPCP GENERAL NOTES

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

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

ESPCP ALTERATIONS

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

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

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

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

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

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

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

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

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

Construction and striping operations at driveways must be staged such that access to businesses is never disrupted during business hours. The contractor shall coordinate with the Project Engineer to ensure construction is staged accordingly for businesses impacted by the project.

DESCRIPTION OF THE NATURE OF CONSTRUCTION FOR THE PROJECT

The project will include milling, overlaying, and re-striping of the existing Davis Drive from Mansell Road to the cul-de-sac at the Pappadeaux restaurant. An extension of Davis Drive will be constructed through undeveloped land from the cul-de-sac to the existing driveway for the Top Golf property. The extension will provide a connection between Mansell Road and Westside Parkway. The existing pavement section of the Top Golf driveway were determined to be inadequate to support expected future roadway traffic. Therefore, this section is proposed to be improved. Improvement of the base will be achieved using soil cement concrete instead of constructing a full depth section with GAB. The City expects that construction of the soil cement section will be quicker than that of a full-depth section on, which will minimize disruption to Top Golf. Construction of the soil cement section will take place during forecasted dry weather and is expected to be completed within a 24 to 48 hour time period. In the experience of the City of Alpharetta, asphalt can generally be overlaid upon cured soil cement within 24 hours of soil cement placement. Because of the quick construction turnaround time and the planned absence of soil exposure to runoff during soil cement construction, this area is being treated as undisturbed for the purposes of sediment storage computation.

Stormwater runoff from the new construction will outfall to the Pappadeaux closed pipe system at the south end of the project and to the Top Golf closed pipe system at the north end of the project. Both of these systems flow through existing detention ponds prior to discharging to downstream ditches or natural streams. Refer to drawing 51-004 for the Appendix I BMPs that must be used on the project as a result of the project outfalling to a Bio-F impaired waterway.

CONSTRUCTION STAGES

Stage 1A - Install the project sign per Appendix I.d. Initial clearing shall be done only to the extent required for installation of the Stage 1A perimeter control BMPs. Mass land disturbing activities may begin after installation of the Stage 1A BMPs. Stage 1A BMPs primarily include silt fence, inlet sediment traps on existing inlets, and construction exits.

Stage 1 - Stage 1 BMPs are to be installed as construction progresses to prevent the escape of sediment from the project site. Install inlet sediment traps immediately upon installation of proposed inlets. Adjust in-place silt fence as necessary to accommodate operations as construction progresses.

Stage 2 - Install permanent grassing, make necessary modifications to in-place silt fence, and install inlet sediment traps on inlets constructed during Stage 2. Leave all BMPs in place and maintain them until completion of land disturbing activities and until final establishment of vegetation is achieved on the project site.

PETROLEUM STORAGE, SPILLS AND LEAKS

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

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

SOIL SERIES INFORMATION

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

Map Unit Symbol	Map Unit Name	Rating	Component Name (%)	Rating Reasons	Acre in AOI	Percent in AOI
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	Slight	Cecil (95%)	None provided	0.0	1.3%
LaD2	Lloyd-Gwinnett complex, 6 to 15 percent slopes, moderately eroded	Slight	Lloyd (75%)	None provided	3.1	97.0%
			Gwinnett (25%)			
Ub	Urban land	Not rated	Urban land (100%)	None provided	0.1	1.7%

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

READY MIX CHUTE WASH DOWN

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

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

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

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

OTHER CONTROLS

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

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

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

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of detention ponds, bioretention basins, sand filter basins, bioslopes, enhanced dry/wet swales, vegetated swales/ditches, vegetation, permanent slope drains and/or flumes, riprap at pipe outlets for velocity dissipation and outlet stabilization, channel/ditch stabilization with turf reinforcing mats, slope stabilization matting, riprap and concrete ditch lining where necessary. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

WASTE DISPOSAL

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

NONSTORMWATER DISCHARGES

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

DEWATERING AND PUMPING ACTIVITIES

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

RETENTION OF RECORDS

The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part IV.F:

a. a copy of all Notices of Intent submitted to EPD;
b. a copy of the erosion, sedimentation and pollution control plan required by the NPDES permit;
c. the design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of the NPDES permit;
d. a copy of all sampling information, results, and reports required by the NPDES permit;
e. a copy of all inspection reports generated in accordance with Part IV.D.4.A. of the NPDES permit;
f. a copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of the NPDES permit; and
g. daily rainfall information collected in accordance with Part IV.D.4.A.(2). of the NPDES permit.

Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), or other reports requested by the EPD, erosion, sedimentation and pollution control plans, records of all data used to complete the Notice of Intent to be covered by the NPDES permit and all other records required by the NPDES permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the not is submitted in accordance with Part VI of the NPDES permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

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

SEDIMENT STORAGE

The site has a total disturbed area of 3.54 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd^3)	Total Storage Volume Provided (yd^3)	Check Dams (4.5 yd^3/each) # of Devices	Check Dams (4.5 yd^3/each) Total Volume (yd^3)	Inlet Sediment Traps (5.5 yd^3/each) # of Devices	Inlet Sediment Traps (5.5 yd^3/each) Total Volume (yd^3)	Silt Fence (0.3 yd^3/ft) Length (ft)	Silt Fence (0.3 yd^3/ft) Total Volume (yd^3)
Basin 1 (outfalls to Pappadeaux detention pond)	0.44	0.32	29.48	42.2	0	0	2	11	104	31.2
Basin 2 - outfalls at Sta. 118+57, RT	2.22	1.76	148.74	747.5	7	31.5	8	44	2240	672
Basin 3 (outfalls to Top Golf detention pond)	0.65	0.28	43.55	186	0	0	3	16.5	565	169.5
Basin 4 (outfalls to top golf closed system)	0.19	0.11	12.73	71	0	0	2	11	200	60
Sheet Flow	1.07	1.07	71.69	450	0	0	0	0	1500	450
TOTAL	4.18	3.01	306.19	1496.7	7	-	15	-	4609	-

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

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPs:

TYPE C-POP SILT FENCE IS AN ACCEPTABLE ALTERNATIVE TO TYPE C-WIRE BACKED SILT FENCE FOR THIS PROJECT.

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

NTS

REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

ESPCP GENERAL NOTES

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 51-001

SAMPLING LOCATIONS AND GENERAL NOTES

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

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

Note: The Total Site Area is 6.96 acres.

SAMPLING INFORMATION											Representative Sampling Scheme: OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
Basin 4/ OF ID #1		Tributary to Big Creek	1 & 2	Outfall	0.1	N/A	Warm	75	N/A	Downstream	New Alignment	0.11	0.008	Low	3
Basin 3/ OF ID #2		Tributary to Big Creek	1 & 2	Outfall	11.0	N/A	Warm	75	N/A	Downstream	New Alignment	0.28	0.007	Low	4
Basin 1/ OF ID # 3		Tributary to Foe Killer Creek	All	Outfall	0.0175	N/A	Warm	75	N/A	Downstream	Road Widening	0.32	0.039	Low	2
Basin 2/ OF ID #4		Tributary to Foe Killer Creek	All	Outfall	0.0175	N/A	Warm	75	N/A	Downstream	Road Widening	1.76	0.11	Low	1

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

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

Outfall ID # and Location (Station and Offset)	Reach Name	Location of the Impaired Stream Segment as Indicated in the 305b/303d List	Criteria Violated (Bio F|Bio M)	Potential Cause (NP|UR)	Category (4a, 4b, or 5)	Numeric waste load allocation (WLA) for sediment*
Pappadeaux Detention pond outfall sta 108+52, 327' RT	*Foe Killer Creek*	*headwaters to Big Creek/Fulton County*	*Bio F*	*UR*	*4a, 5*	*N/A*

CHANNEL PROTECTION

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

Begin Station and Offset	End Station and Offset	Q_{25} (ft^3/s)	V_{25} (ft/s)	Type of Channel Lining	Channel Bottom Width (ft)	Depth of Protection Dp (ft)	Quantity (yd^2)
123+50 RT	*124+12 RT*	*0.5*	*7.88*	*Concrete*	*2.0*	*0.33*	*17*
118+06 RT	*118+57 RT*	*7.0*	*1.31*	*TRM-1*	*2.0*	*0.33*	*38*

STATE-WATER BUFFER IMPACTS

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

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

RIPRAP OUTLET PROTECTION

Structure #, Outfall ID#, or Station and Offset	Pipe Diameter Do (ft)	Q_{25} (ft^3/s)	V_{25} (ft/s)	Tailwater Condition (TW<0.5 Do TW>0.5 Do)	Width at Drainage Structure W1=3Do (ft)	Apron Length La (ft)	Downstream Width W2=Do+La (ft)	Average Stone Diameter d_{50} (ft)	Apron Thickness D (ft)	Riprap Type (Type 3 or Type 1)	Quantity (yd^2)
B-1	*2.0*	*12.4*	*7.394*	*TW<0.5 Do*	*6.00*	*10*	*12.00*	*0.50*	*1.50*	*Type 3*	*8*

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

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

GENERAL CONSTRUCTION SCHEDULE

Approximate Start Date: January 2019, Approximate Completion Date: September 2019

Construction Activities	January	February	March	April	May	June	July	August	September
Install construction entrance, install perimeter silt fence and install tree protection fence.	■								
Begin clearing site for new road alignment and seed and mulch bare ground.	■	■							
Continue clearing site, begin grading site., adjust silt fence locations as necessary to accommodate grading operations. Seed and mulch bare ground as needed.		■	■						
Continue grading site, begin curb & gutter, begin storm system installation, begin construction of sidewalks, install Sd2 inlet protection on storm structures. Seed and mulch bare ground as needed.			■	■					
Continue curb & gutter and storm system installation, begin placement of road base material, convert Sd2F to Sd2P. Seed and mulch bare ground as needed.				■	■				
Continue with road construction and begin placement of permanent grassing and sod as feasible.					■	■	■		
Install final pavement courses, complete installation of permanent grassing and sod, remove inlet protection (Sd2), remove silt fence and tree protection fence. Remove construction exit(s)*.								■	■

*Construction exits may relocated as construction progresses to facilitate vehicle egress from the project site to public roadways.

INSPECTIONS AND REPORTING

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

INSPECTIONS AND REPORTING (CONTINUED)

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

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

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

APPENDIX I - MITIGATION FOR IMPAIRED STREAMS

APPENDIX 1

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

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

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

Effective January 1, 2021

* This requirement is different for infrastructure projects: Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3)(a) – (c) of the permit.

THE CITY OF ALPHARETTA PUBLIC WORKS

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NTS

REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

ESPCP GENERAL NOTES

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 51-002

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Fulton County SWCD

Project Name: Davis Drive Extension Address: N/A

City/County: Alpharetta/Fulton County Date on Plans: May-20

Name & email of person filling out checklist:

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-003	Y	1 The applicable Erosion, Sedimentaton and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
50-001	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-001	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
53-001-003	Y	5 Note total and disturbed acreage of the project or phase under construction.
50-001	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-001	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-001	Y	8 Description of the nature of construction activity.
50-001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
53-001	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-001	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
50-001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit. *
50-001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable. *
51-002	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit. *
51-002	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
51-002	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-001	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
51-001	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
51-001	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-001	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-001	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
51-002	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
51-001	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
51-001	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-001	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
51-001	Y	27 Description of practices to provide cover for building materials and building products on site. *
51-001	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *
51-001	Y	29 Description and chart or timeline of the intended sequence of major activites which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activites, excavation activities, utility activities, temporary and final stabilization).
51-001	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee. *
51-002	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results. *
51-001	Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *
51-002	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *
51-002	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
53 SERIES	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *
51-001	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
54 SERIES	Y	37 Graphic scale and North arrow.
53 SERIES	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours: USGS 1": 2000' Topographical Sheets; Proposed Contours: 1" : 400' Centerline Profile
N/A	N	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GA EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	N	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
N/A	N	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53 SERIES	Y	43 Delineation and acreage of contributing drainage basins on the project site.
53 SERIES	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-001	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activites are completed.
53 SERIES	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-001	Y	47 Soil series for the project site and their delineation.
54 SERIES	Y	48 The limits of disturbance for each phase of construction.
51-001	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
54 SERIES	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56 SERIES	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
SEE NOTE 51-001 RE: GDOT SPEC	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

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

Effective January 1, 2021

12/15/2011 GPLN

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REVISION DATES

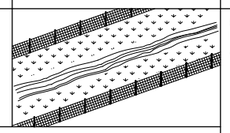
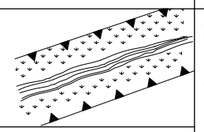
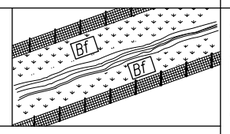
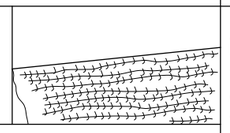
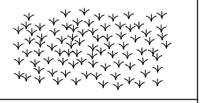
02-26-2021		

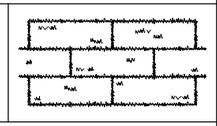
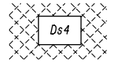
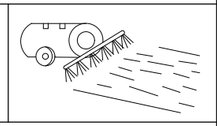
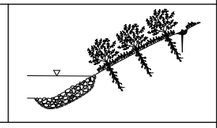
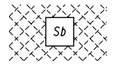
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

ESPCP GENERAL NOTES

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 51-003

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

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

NOTE:

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

NO SCALE

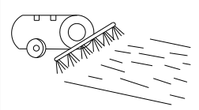
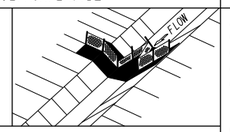
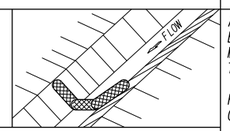
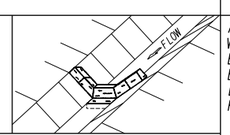
REVISION DATES

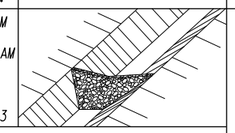
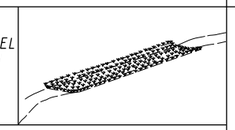
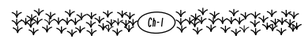
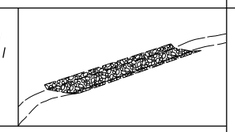
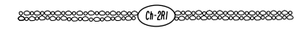
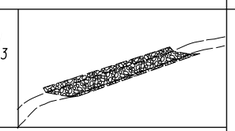
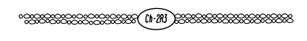
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-S		
Ch-I	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
	LINE CODE 		
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		

NOTE:

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

NO SCALE

REVISION DATES

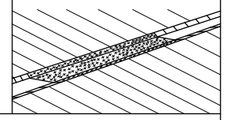
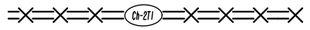
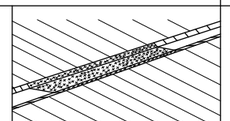
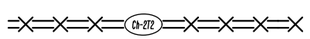
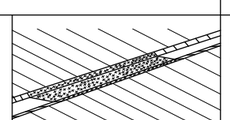
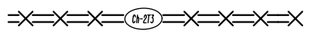
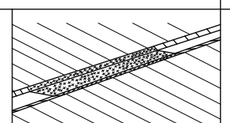
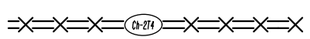
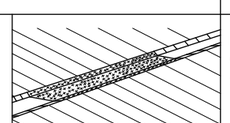
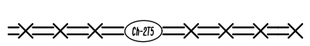
EROSION CONTROL LEGEND

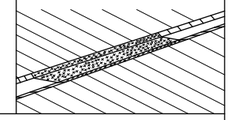
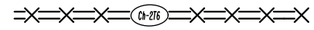
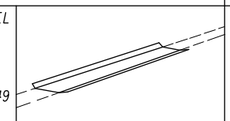
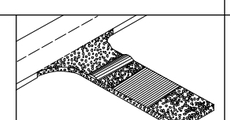
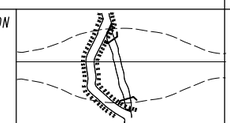
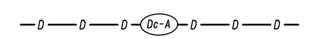
UNIFORM CODE SHEET

SHEET 2 OF 7

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

DRAWING No. 52-0002

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

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

NOTE:

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

NO SCALE

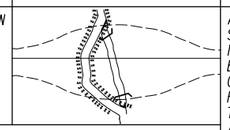
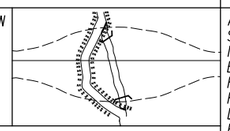
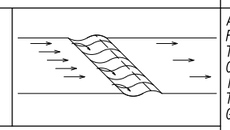
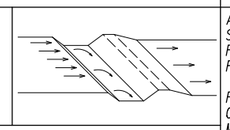
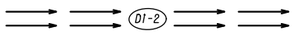
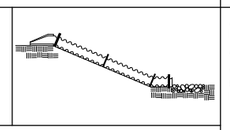
REVISION DATES

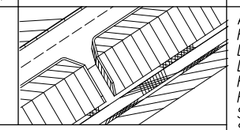
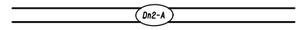
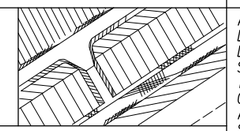
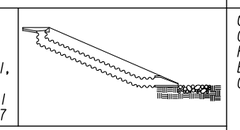
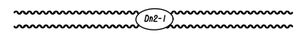
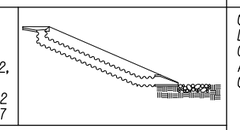
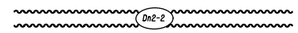
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 3 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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

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

NOTE:

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

GDOT

NO SCALE

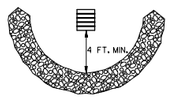
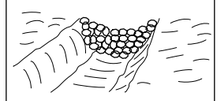
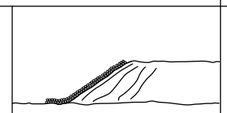
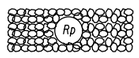
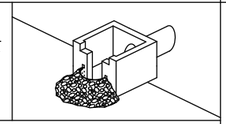
REVISION DATES

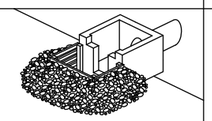
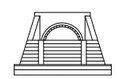
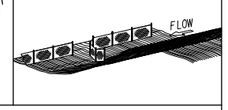
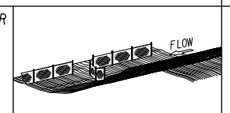
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 4 OF 7

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

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163	 SYMBOL Fr	A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603	 SYMBOL Rd	ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603	 LINE CODE 	STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
Rp	RIP-RAP SECTION 603	 PATTERN 	RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163	 SYMBOL Rt-P	A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.

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

NOTE:

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

GDOT

NO SCALE

REVISION DATES

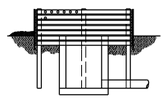
EROSION CONTROL LEGEND

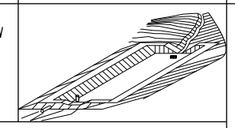
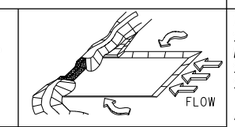
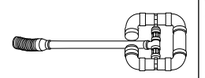
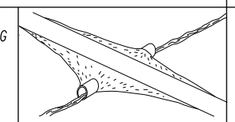
UNIFORM CODE SHEET

SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		52-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

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

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

NOTE:

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

NO SCALE

REVISION DATES

EROSION CONTROL LEGEND

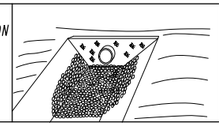
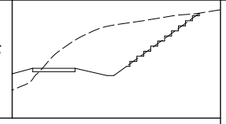
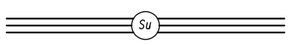
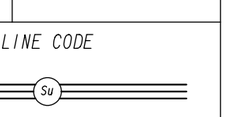
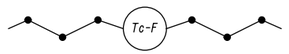
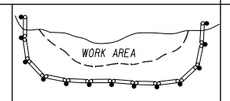
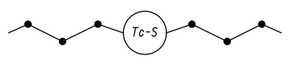
UNIFORM CODE SHEET

SHEET 6 OF 7

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

DRAWING No. 52-0006

7/31/2015 GPLN

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

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

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

NO SCALE

REVISION DATES

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 7 OF 7

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

3/9/2021 6:17:36 PM
william.scherer

GPLOT-V8
gplotborder-V8i-P0.tbl

0000953_53-001.dgn

LAKEWOOD PKY

Maxwell Cem

SANCTUARY PARK REALTY HOLDING COMPANY

EXISTING POND OUTFALL

ORIGINAL TOP GOLF BASIN A STUDY POINT

BASIN 7

WESTSIDE PKWY

EXIST R/W

C-1

END PROJECT
END CONSTRUCTION
STA. 128+16.09
Lat: 34.0448298°
Long: -84.3096402°

ST-3

EXISTING TOP GOLF DETENTION POND

30 WEST PERSHING LLC (TOP GOLF)

EXISTING OFF-SITE CROSS DRAIN (SIZE UNKNOWN)

400

TRIBUTARY TO FOE KILLER CREEK

TRIBUTARY TO BIG CREEK

128+58

BASIN 3

C-2

C-3

B-9

REMOVE EXISTING STRUCTURES AND INSTALL CONCRETE CAP ON PIPE

ROCK MILL 400 LP

125+00

B-8

B-7

B-6

D-1

BASIN 4

WESTSIDE

ALPHARETTA FAMILY SKATE CENTER

120+00

115+00

B-2

B-5

B-4

SAMS REAL ESTATE BUSINESS TRUST

HIGH POINT

ROCK MILL 400 LP

ST-2

B-1

REMOVE STRUCTURE

110+00

OPAL D ABBINK ETAL

BASIN 1

BASIN 2

A-3

ST-1

A-0

DITCH OUTFALL

FOE KILLER CREEK (FLOWS TO BIG CREEK)

105+00

APPROX. EXIST. R/W

APPROX. EXIST. R/W

OUTFALL TO PAPPADEAUX SYSTEM PAPPAS RESTAURANTS INC

PAPPADEAUX WET POND (FOR ROOF DRAINAGE)

SAMS REAL ESTATE BUSINESS TRUST

EXISTING PAPPADEAUX DETENTION POND (OUTFALLS TO GRASS DITCH WHICH FLOWS TO CONC DITCH PARALLEL TO 400 OFF-RAMP)

COLE OB ALPHARETTA GA LLC

100+00

BEGIN PROJECT
BEGIN MILL, OVERLAY, AND RE-STRIPING
STA. 100+14.08
Lat: 34.0403038°
Long: -84.3151209°

MANSELL ROAD

BIG CREEK

NOTES:
1. SEE SHEET 21-002 FOR PROPOSED PIPE HYDRAULICS DATA.

FLOW ARROW

A-1 STORM DRAIN STRUCTURE ID

DRAINAGE AREA BOUNDARY

TOTAL DISTURBED AREA = 3.54 ACRES
TOTAL PROJECT AREA = 6.96 ACRES

THERE ARE NO CROSS DRAINS WITHIN THE PROJECT LIMITS. SEE SHEET 53-002 AND 53-003 FOR A LARGER SCALE MAP WHICH SHOWS MORE DETAILED DRAINAGE BASINS AND BASIN OUTFALL DATA.

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 200 400 800

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 53-001

01/26/2015 GPLN

BASIN 1 DATA
DRAINAGE AREA = 0.44 ACRES
DISTURBED AREA = 0.32 ACRES

BASIN 2 DATA
DRAINAGE AREA = 3.45 ACRES
DISTURBED AREA = 1.76 ACRES

BASIN 3 DATA
DRAINAGE AREA = 0.65 ACRES
DISTURBED AREA = 0.28 ACRES

BASIN 4 DATA
DRAINAGE AREA = 0.19 ACRES
DISTURBED AREA = 0.11 ACRES

SHEET FLOW BASINS
DRAINAGE AREA = 1.07 ACRES
DISTURBED AREA = 1.07 ACRES

TOTAL DISTURBED AREA = 3.54 ACRES
TOTAL PROJECT AREA = 6.96 ACRES

*THE TOTAL PROJECT AREA INCLUDES STRIPING ONLY AREAS OF THE PROJECT, WHICH ARE UNDISTURBED. RUNOFF FROM STRIPING ONLY AREAS DOES NOT FLOW THROUGH A DISTURBED AREA.

OPAL D ABBINK ET AL

SAM'S REAL ESTATE BUSINESS TRUST

105+00

110+00

PROJECT AREA TO THE WEST OF BASIN 1 IS MILL & OVERLAY ONLY. RUNOFF FROM THIS AREA DOES NOT FLOW THROUGH A DISTURBED AREA.

APPROX. EXIST. R/W

DAVIS DR

APPROX. EXIST. R/W

HOMEWOOD SUITES PARCEL

BASIN 1

REMOVE STRUCTURE AND DOWNSTREAM PIPE

REMOVE STRUCTURE

ST-1

A-3

MATCH LINE STA. 114+20
SEE SHEET 53-003

100+00

BEGIN PROJECT
BEGIN MILL, OVERLAY, AND RE-STRIPING
STA. 100+14.08
Lat: 34.0403038°
Long: -84.3151209°

MANSELL ROAD

COLE OB ALPHARETTA GA LLC

SAM'S REAL ESTATE BUSINESS TRUST

STA. 108+52, 327' RT
EXISTING PAPPADEAUX DETENTION POND
(OUTFALLS TO DITCH WHICH FLOWS TO CONC DITCH PARALLEL TO 400 OFF-RAMP AND TO FOE KILLER CREEK RECEIVING WATERS

PAPPAS RESTAURANTS INC

PAPPADEAUX WET POND
(FOR ROOF DRAINAGE)

FLOW ARROW

A-1 STORM DRAIN STRUCTURE ID

DRAINAGE BASIN BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 50 100 200

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 53-002

01/26/2015 GPLN

BASIN 1 DATA
DRAINAGE AREA = 0.44 ACRES
DISTURBED AREA = 0.32 ACRES

BASIN 2 DATA
DRAINAGE AREA = 3.45 ACRES
DISTURBED AREA = 1.76 ACRES

BASIN 3 DATA
DRAINAGE AREA = 0.65 ACRES
DISTURBED AREA = 0.28 ACRES

BASIN 4 DATA
DRAINAGE AREA = 0.19 ACRES
DISTURBED AREA = 0.11 ACRES

SHEET FLOW BASINS
DRAINAGE AREA = 1.07 ACRES
DISTURBED AREA = 1.07 ACRES

TOTAL DISTURBED AREA = 3.54 ACRES
TOTAL PROJECT AREA = 6.96 ACRES *

*THE TOTAL PROJECT AREA INCLUDES STRIPING ONLY AREAS OF THE PROJECT, WHICH ARE UNDISTURBED. RUNOFF FROM STRIPING ONLY AREAS DOES NOT FLOW THROUGH A DISTURBED AREA.

SANCTUARY PARK REALTY HOLDING COMPANY
EXIST R/W
WESTSIDE PKWY
RECONSTRUCT STRUCTURES AND REUSE EXISTING PIPES
END PROJECT
END CONSTRUCTION
STA. 128+16.09
Lat: 34.0448298°
Long: -84.3096402°
128+58
BASIN 3
ALPHARETTA FAMILY SKATE CENTER
ROCK MILL 400 LP
30 WEST PERSHING LLC (TOP GOLF)
THE TOP GOLF CLOSED PIPE SYSTEM FLOWS TO A DETENTION POND WHICH OUTFALLS TO A TRIBUTARY TO BIG CREEK. BIG CREEK FLOWS INTO FOE KILLER CREEK.
125+00
REMOVE 2 EXISTING STRUCTURES AND PLUG PIPE
A-1
STA. 124+27, 163' RT
CONNECT AND OUTFALL TO EXISTING STRUCTURE
HIGH POINT
MATCH LINE STA. 114+20
SEE SHEET 53-002
DAVIS DR
120+00
115+00
POST-DEVELOPMENT DRAINAGE BASIN #1
POST-DEVELOPMENT DRAINAGE BASIN #2
POST-DEVELOPMENT DRAINAGE BASIN #3
POST-DEVELOPMENT DRAINAGE BASIN #4
POST-DEVELOPMENT DITCH DRAINAGE
ROCK MILL 400 LP
BASIN 1
BASIN 2
BASIN 4
ESA BOUNDARY

FLOW ARROW
STORM DRAIN STRUCTURE ID
DRAINAGE BASIN BOUNDARY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 50 100 200

REVISION DATES
02-26-2021

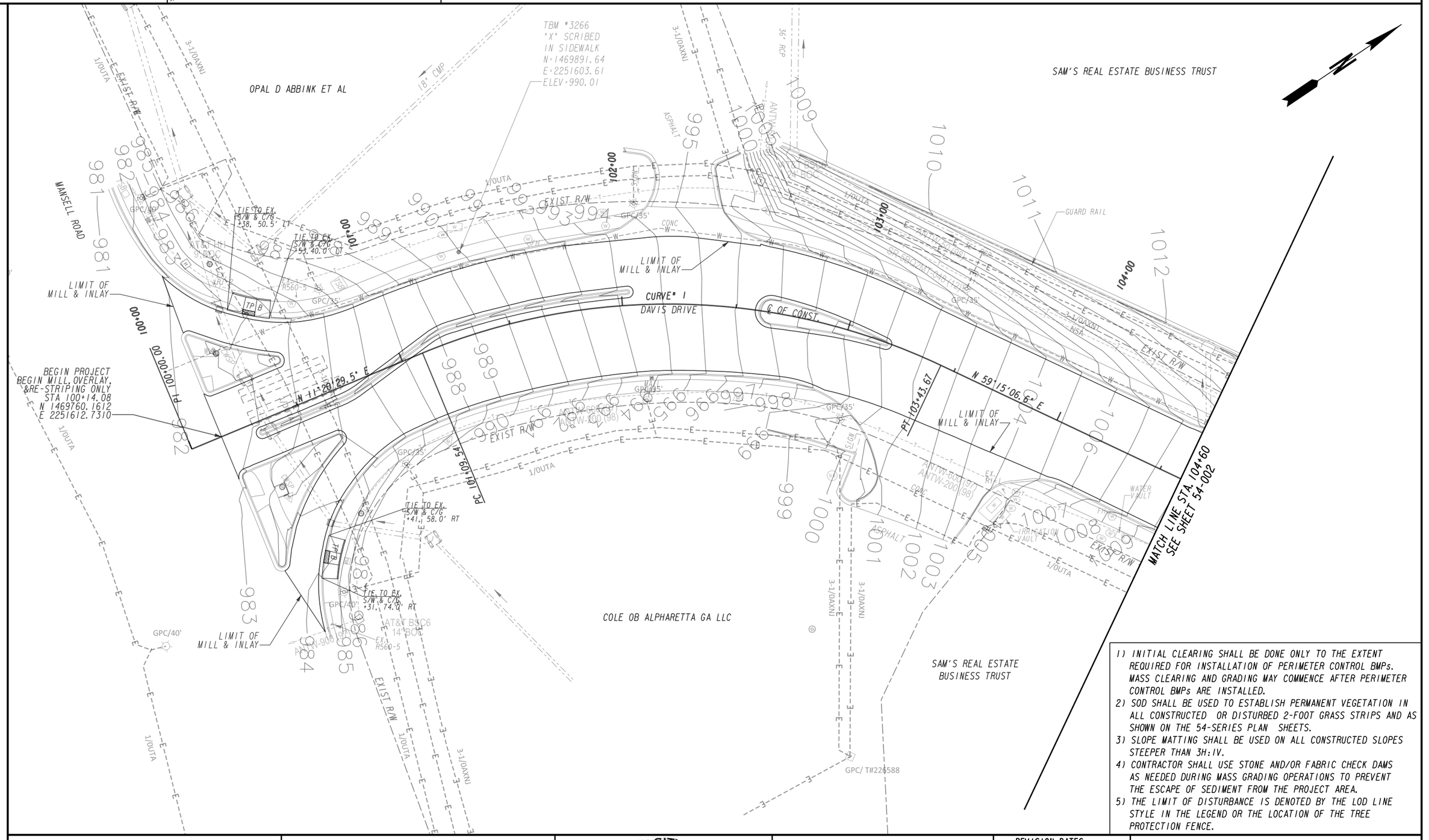
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 53-003

01/26/2015 GPLN



1) INITIAL CLEARING SHALL BE DONE ONLY TO THE EXTENT REQUIRED FOR INSTALLATION OF PERIMETER CONTROL BMPs. MASS CLEARING AND GRADING MAY COMMENCE AFTER PERIMETER CONTROL BMPs ARE INSTALLED.
2) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
3) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
4) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
5) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

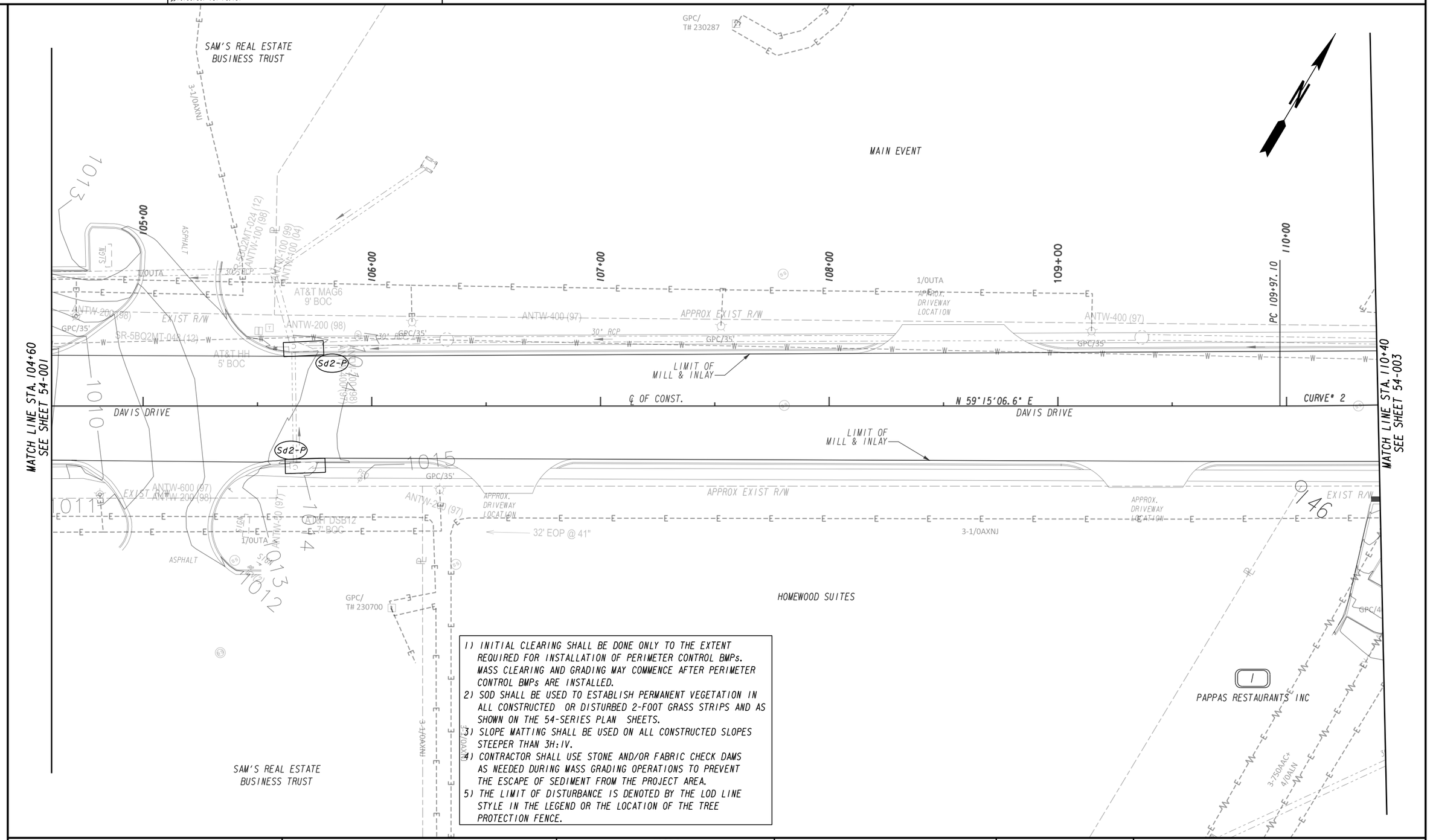
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1A

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-001

01/26/2015 GPLN



1) INITIAL CLEARING SHALL BE DONE ONLY TO THE EXTENT REQUIRED FOR INSTALLATION OF PERIMETER CONTROL BMPs. MASS CLEARING AND GRADING MAY COMMENCE AFTER PERIMETER CONTROL BMPs ARE INSTALLED.
2) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
3) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
4) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
5) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES		
02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1A

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-002

MAIN EVENT

BEGIN CONSTRUCTION WITH FULL DEPTH ASPHALT CONSTRUCTION
END MILL, OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470454.8663
E 2252453.8330

PT 110+60.97

MATCH LINE STA. 110+40
SEE SHEET 54-002

DAVIS DRIVE
(VARIABLE R/W)

S 7°25'19.2" E

℄ OF CONST.

DAVIS DRIVE

N 74°19'36.1" E

MATCH LINE STA. 115+80
SEE SHEET 54-004

REQD R/W

EXIST R/W

LIMIT OF MILL & INLAY

TESMT

DMESMT

ANTW-100 (97)

AT&T HH
5' BOC

AT&T BOXES DO NOT DISTURB

ASPHALT

230KV TRANSMISSION

3-750AAC+ 4/0ALN

3-1/0AXNJ

4" PLASTIC

GPC/100'

GPC/35'

1/0UTA

Curve° 3
PI Sta: 114+24.36
N: 1470602.59
E: 2252685.02
DELTA: 16°54'16.8" (RT)
D: 08°18'13.45"
T: 102.53
L: 203.58
R: 690.00
E: 7.58
e: 2.6%

PC 113+21.82

PT 115+25.40

AREA 1

AREA 3

CURVE° 3

LOD

REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)

DO NOT DISTURB

PROPOSED CONCRETE WASHOUT STRUCTURE LOCATION

EXISTING CONCRETE PARKING LOT

2 ALPHARETTA FAMILY SKATE CENTER

1 PAPPAS RESTAURANTS INC

3 ROCK MILL 400 LP

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.
6) CONTRACTOR MAY PROPOSE AN ALTERNATE LOCATION FOR THE CONCRETE WASHOUT STRUCTURE. ALTERNATE LOCATION SHALL BE APPROVED BY THE PROJECT ENGINEER.

*INITIAL CLEARING SHALL BE DONE ONLY TO THE EXTENT REQUIRED FOR INSTALLATION OF PERIMETER CONTROL BMPs. MASS CLEARING AND GRADING MAY COMMENCE AFTER PERIMETER CONTROL BMPs ARE INSTALLED.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1A

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-003

01/26/2015 GPLN

1 STORY BUILDING

2 ALPHARETTA FAMILY SKATE CENTER

3 ROCK MILL 400 LP

DO NOT DISTURB EX. C&G

CONC BLOCK WALL

AREA 1

AREA 2

AREA 3

AREA 4

TESMT

REQD R/W

WOODS LINE

DIRT

116+00 117+00 118+00 119+00 120+00

PC 118+73.25

N 74°19'36.1" E

DAVIS DRIVE

℄ OF CONST.

CURVE° 4

REMOVE ALL VEGETATION INCLUDING HARDWOODS WITHIN CLEARING LIMITS*

24" TWIN HWD.

22" HWD

RW16033

RW16035

RW16036

RW16054

RW16055

RW16056

RW16057

RW16058

RW16059

MATCH LINE STA. 115+80 SEE SHEET 54-003

MATCH LINE STA. 120+80 SEE SHEET 54-005

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

*INITIAL CLEARING SHALL BE DONE ONLY TO THE EXTENT REQUIRED FOR INSTALLATION OF PERIMETER CONTROL BMPs. MASS CLEARING AND GRADING MAY COMMENCE AFTER PERIMETER CONTROL BMPs ARE INSTALLED.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1A

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-004

01/26/2015 GPLN

*INITIAL CLEARING SHALL BE DONE ONLY TO THE EXTENT REQUIRED FOR INSTALLATION OF PERIMETER CONTROL BMPs. MASS CLEARING AND GRADING MAY COMMENCE AFTER PERIMETER CONTROL BMPs ARE INSTALLED.

MATCH LINE STA. 120+80 SEE SHEET 54-004

MATCH LINE STA 124+80 SEE SHEET 54-006

3 ROCK MILL 400 LP

PT 121+13.20

PC 122+53.00

121+00 122+00 123+00 124+00

WOODS LINE

TESMT

REQD R/W

EXIST R/W

CURVE 5

N 47°22'10.3" E

DAVIS DRIVE

℄ OF CONST.

8' SIDEWALK

DIRT

EXISTING DIRT TRAIL

DO NOT DISTURB EX. LIGHT

DO NOT DISTURB EX. C&G

DWESMT

ASPHALT

DO NOT DISTURB

REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)

4 30 WEST PERSHING LLC

DO NOT DISTURB

EXISTING DIRT TRAIL TO BE USED

ESA BOUNDARY

18" TWIN HWD

16" TWIN HWD

12"X5" CLUSTER OF TREES

1080 1085 1090

130 131

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1A

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-005

01/26/2015 GPLN

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.

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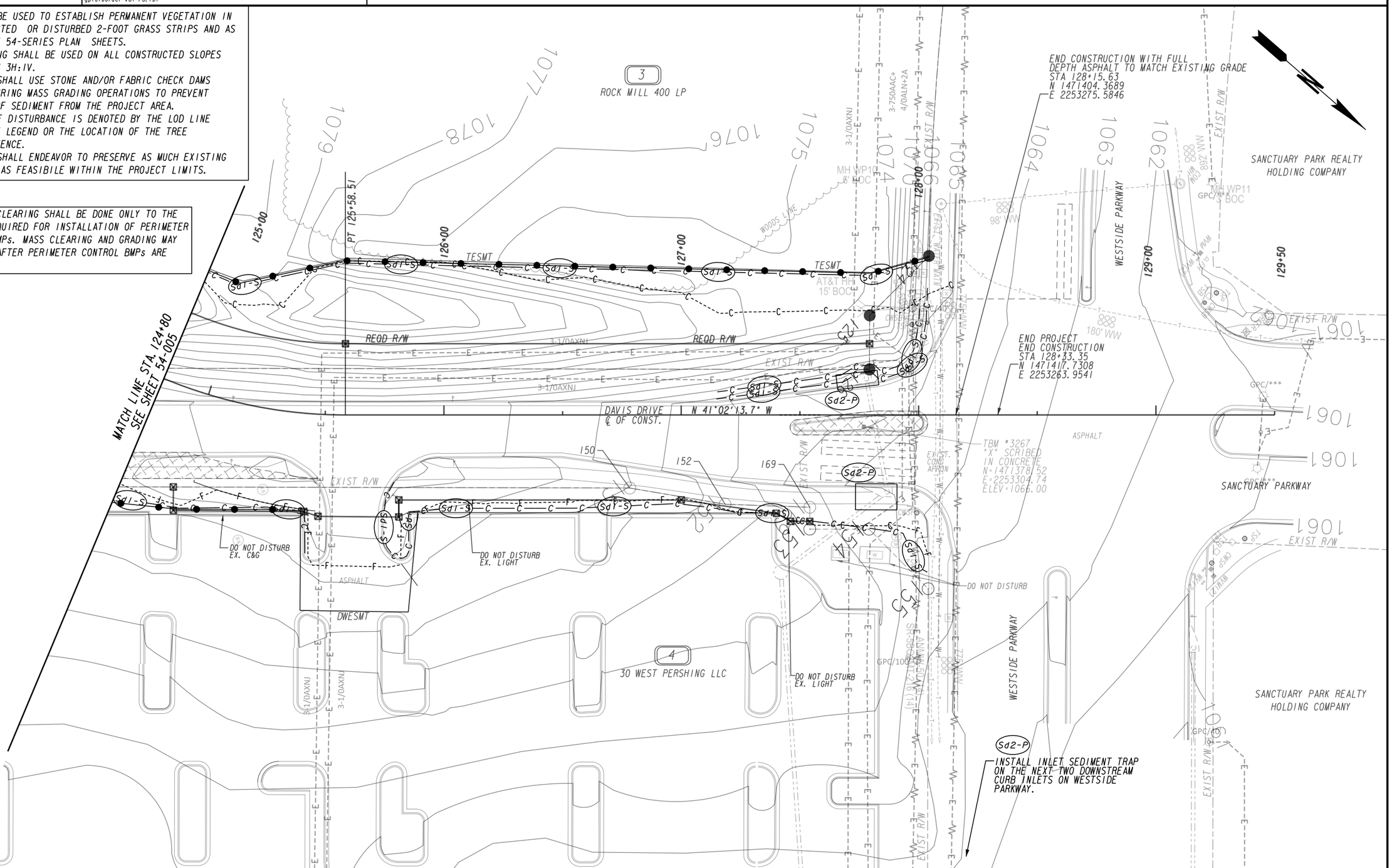


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

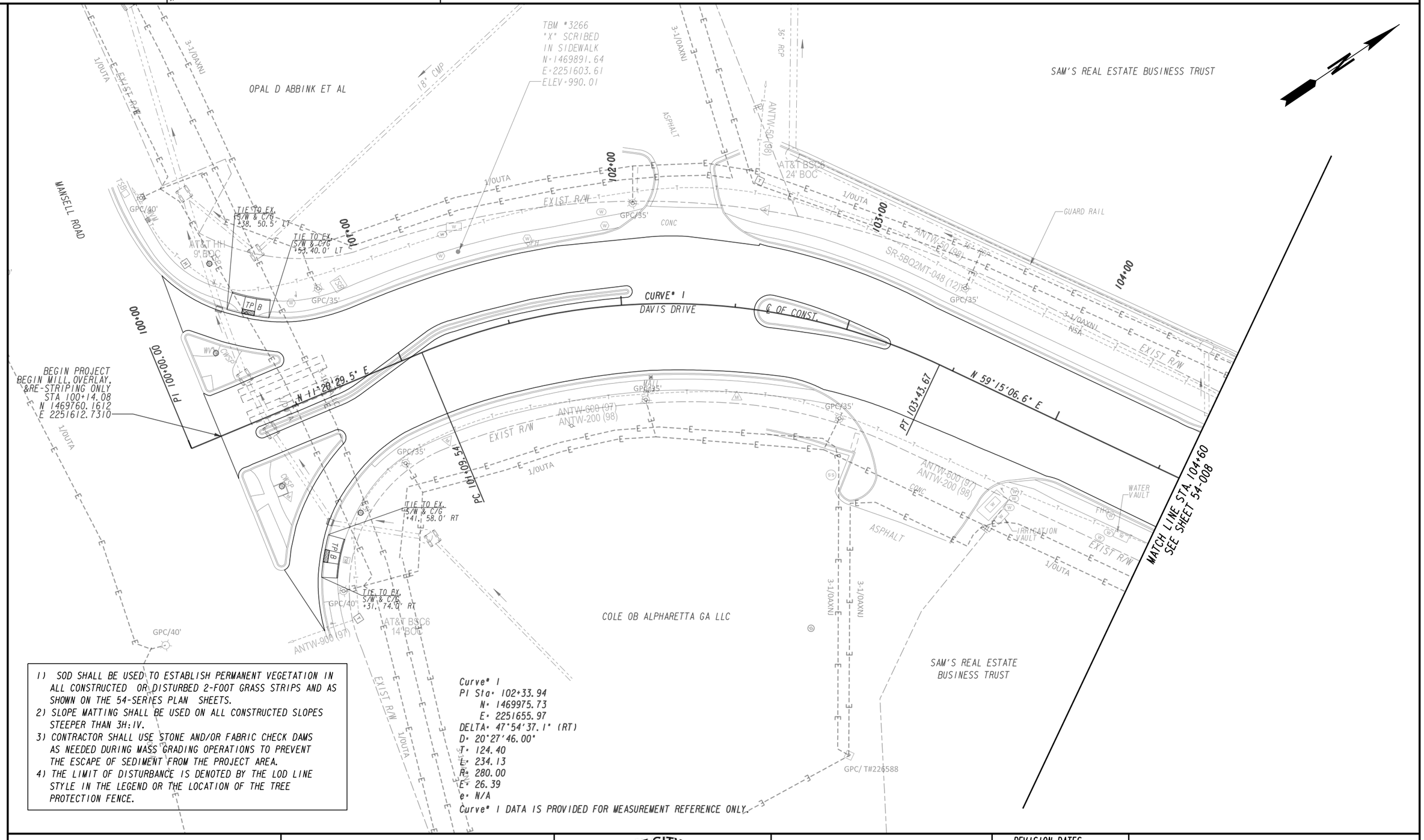
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1A

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-006

01/26/2015 GPLN



1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

Curve# 1
PI Sta: 102+33.94
N: 1469975.73
E: 2251655.97
DELTA: 47°54'37.1" (RT)
D: 20°27'46.00"
T: 124.40
L: 234.13
R: 280.00
E: 26.39
e: N/A
Curve# 1 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-007

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

SAM'S REAL ESTATE BUSINESS TRUST

MAIN EVENT

105+00 106+00 107+00 108+00 109+00 110+00

PC 109+97.10

ASPHALT SIGN 1/OUTA 30" RCP SR-5BQ2MT-024 (12) ANTW-100 (98) ANTW-100 (99) ANTW-100 (04) AT&T MAG6 9' BOC ANTW-200 (98) EXIST R/W GPC/35' SR-5BQ2MT-048 (12) AT&T HH 5' BOC Sd2-P ANTW-400 (97) APPROX EXIST R/W APPROX. DRIVEWAY LOCATION

DAVIS DRIVE ℄ OF CONST. N 59°15'06.6" E DAVIS DRIVE CURVE° 2

MATCH LINE STA. 104+60 SEE SHEET 54-007

MATCH LINE STA. 110+40 SEE SHEET 54-009

ANTW-600 (97) ANTW-200 (98) EXIST R/W ANTW-400 (97) AT&T DSB12 7' BOC 1/OUTA SIGN ASPHALT FED 32' EOP @ 41" 3-1/0AXNJ GPC/ T# 230700 HOMEWOOD SUITES

Curve° 2
PI Sta° 110+29.03
N° 1470389.73
E° 2252351.90
DELTA° 01°49'47.4" (LT)
D° 02°51'53.24"
T° 31.94
L° 63.87
R° 2000.00
E° 0.26
Curve° 2 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

SAM'S REAL ESTATE BUSINESS TRUST

PAPPAS RESTAURANTS INC

3-750AAC+ 4/0ALN

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET 0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-008

01/26/2015 GPLN

MAIN EVENT

BEGIN CONSTRUCTION WITH FULL DEPTH ASPHALT CONSTRUCTION
END MILL, OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470454.8663
E 2252453.8330

MATCH LINE STA. 110+40
SEE SHEET 54-008

MATCH LINE STA. 115+80
SEE SHEET 54-010

2
ALPHARETTA FAMILY SKATE CENTER

Curve° 3
PI Sta° 114+24.36
N° 1470602.59
E° 2252685.02
DELTA° 16°54'16.8" (RT)
D° 08°18'13.45"
T° 102.53
L° 203.58
R° 690.00
E° 7.58
e° 2.6%

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.
6) CONTRACTOR MAY PROPOSE AN ALTERNATE LOCATION FOR THE CONCRETE WASHOUT STRUCTURE. ALTERNATE LOCATION SHALL BE APPROVED BY THE PROJECT ENGINEER.

PT 110+60.97
111+00
112+00
113+00
114+00
115+00
AREA 1
REMOVE EXISTING STRUCTURES A-1 AND A-2. REMOVE PIPES UPSTREAM OF STRUCTURE ST-1.
PROPOSED STORMCEPTOR MODEL STC-4501
DAVIS DRIVE (VARIABLE R/W)
S 71°25'19.2" E
℄ OF CONST.
DAVIS DRIVE
N 74°19'36.1" E
CURVE° 3
PC 113+21.82
PT 115+25.40
REQD R/W
EXIST R/W
TESMT
DWESMT
6' SIDEWALK
8' SIDEWALK
4" PLASTIC
AT&T HH
AT&T BOC
AT&T BOXES DO NOT DISTURB
230KV TRANSMISSION
3-750AAC/ 4/0ALN
3-1/0AXNJ
ANTW-100 (97)
ASPHALT
CONC MSE WALL
EXISTING CONCRETE PARKING LOT
REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)
DO NOT DISTURB
PROPOSED CONCRETE WASHOUT STRUCTURE LOCATION
AREA 3
3
ROCK MILL 400 LP
1
PAPPAS RESTAURANTS INC

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
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SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-009

01/26/2015 GPLN

POST-DEVELOPMENT DRAINAGE BASIN #2

2 ALPHARETTA FAMILY SKATE CENTER

3 ROCK MILL 400 LP

1 STORY BUILDING

DO NOT DISTURB EX. C&G

CONC BLOCK WALL

AREA 1

AREA 2

AREA 3

AREA 4

TESMT

6' SIDEWALK

DAVIS DRIVE

℄ OF CONST.

N 74°19'36.1" E

116+00

117+00

118+00

PC 118+73.25

119+00

120+00

MATCH LINE STA. 115+80 SEE SHEET 54-009

MATCH LINE STA. 120+80 SEE SHEET 54-011

Tc PATH (REFER TO MODEL DATA)

REQD R/W

CURVE° 4

RW16033

RW16036

RW16054

RW16055

RW16056

RW16057

RW16058

RW16059

6' CHAIN-LINK FENCE & 16' GATE

8' SIDEWALK

1073.00

1072.00

1070

1075

PROPOSED STORMWEETER MODEL STC-900

SAFETY BENCH 6'

AQUATIC BENCH 6'

PERMANENT POOL & LIMITS OF LINER INVERT=1066.00

OCS SPECIAL DETAIL

STORMWATER POND

EMERGENCY SPILLWAY INVERT=1070.00

GDOT STD 1120 INVERT=1065.00

TYPE 3 RIPRAP 32 SY

TYPE 3 RIPRAP 130 SY

TYPE 3 RIPRAP 258 SY

PERMANENT SOIL VEGETATION INCLUDING TREES/WOODS WITHIN CLEARING LIMITS

Curve° 4
PI Sta: 119+95.49
N: 1470752.29
E: 2253236.35
DELTA: 26°57'25.8" (LT)
D: 11°14'04.08"
T: 122.24
L: 239.95
R: 510.00
E: 14.44
e: 3.0%

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-010

01/26/2015 GPLN

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.

Curve# 5
PI Sta: 124+45.57
N: 1471065.18
E: 2253570.82
DELTA: 88°24'23.9" (LT)
D: 28°56'14.14"
T: 192.57
L: 305.51
R: 198.00
E: 78.20
e: 4.0%

3
ROCK MILL 400 LP

POST-DEVELOPMENT DRAINAGE BASIN #4

MATCH LINE STA 124+80 SEE SHEET 54-012

PC 122+53.00

124+00

123+00

122+00

121+00

PT 121+13.20

POST-DEVELOPMENT DRAINAGE BASIN #2

MATCH LINE STA. 120+80 SEE SHEET 54-010

N 47°22'10.3" E

DAVIS DRIVE

8' SIDEWALK

REQD R/W

TESMT

EXIST R/W

CURVE# 5

℄ OF CONST.

TP DITCH

DWESMT

ASPHALT

DIRT

END 2' FB CONC DITCH STA. 124+12.00

REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)

DO NOT DISTURB EX. LIGHT

DO NOT DISTURB EX. C&G

DO NOT DISTURB

DO NOT DISTURB

4
30 WEST PERSHING LLC

EXISTING TOP OF SE WALL

Tc PATH (DITCH) (REFER TO MODEL DATA)

END 2' FB DITCH BEGIN 2' FB CONC DITCH STA. 123+50.00

Curve# 4
PI Sta: 119+95.49
N: 1470757.22
E: 2253238.35
DELTA: 26°37'25.8" (LT)
D: 11°11'04.08"
T: 122.24
L: 239.95
R: 510.00
E: 14.44
e: 3.0%

EXISTING GRADE LINE

POST-DEVELOPMENT DITCH DRAINAGE

POST-DEVELOPMENT DRAINAGE BASIN #3

ESA BOUNDARY

18" TWIN HWD

16" TWIN HWD

12"X5" CLUSTER OF TREES

3
ROCK MILL 400 LP

130

131

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

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REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-011

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.

Curve# 5
PI Sta: 124+45.57
N: 1471065.18
E: 2253570.82
DELTA: 88°24'23.9" (LT)
D: 28°56'14.14"
T: 192.57
L: 305.51
R: 198.00
E: 78.20
e: 4.0%

3
ROCK MILL 400 LP

4
30 WEST PERSHING LLC

MATCH LINE STA. 124+80
SEE SHEET 54-011

PT 125+58.51

125+00 126+00 127+00 128+00 129+00 129+50

ST-3
PROPOSED STORMCEPTOR MODEL STC-4501

TESMT

REQD R/W

EXIST R/W

DAVIS DRIVE
℄ OF CONST.
N 41°02'13.7" W

DWESMT

WOODS LINE

DO NOT DISTURB EX. C&G

DO NOT DISTURB EX. LIGHT

RETROFIT EXISTING BOX TO INCORPORATE PROPOSED BOX RETAIN EXISTING PIPE

RETAIN

RETROFIT TO MANHOLE ADJUST TOGRADE

DO NOT DISTURB

END CONSTRUCTION WITH FULL DEPTH ASPHALT TO MATCH EXISTING GRADE
STA 128+15.63
N 1471404.3689
E 2253275.5846

END PROJECT
END CONSTRUCTION
STA 128+33.35
N 1471417.7308
E 2253263.9541

TBM #3267
"X" SCRIBED IN CONCRETE
N-1471378.52
E-2253304.74
ELEV-1066.00

SANCTUARY PARK REALTY HOLDING COMPANY

WESTSIDE PARKWAY

SANCTUARY PARKWAY

Sd2-P
INSTALL INLET SEDIMENT TRAP ON THE NEXT TWO DOWNSTREAM CURB INLETS ON WESTSIDE PARKWAY

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

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1000 ABERNATHY ROAD, N.E., SUITE 900
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SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 1

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-012

01/26/2015 GPLN

OPAL D ABBINK ET AL

SAM'S REAL ESTATE BUSINESS TRUST

COLE OB ALPHARETTA GA LLC

SAM'S REAL ESTATE BUSINESS TRUST

TBM #3266
"X" SCRIBED
IN SIDEWALK
N=1469891.64
E=2251603.61
ELEV=990.01

MANSELL ROAD

DAVIS DRIVE

CURVE# 1

BEGIN PROJECT
BEGIN MILL, OVERLAY,
&RE-STRIPING ONLY
STA 100+14.08
N 1469760.1612
E 2251612.7310

PI 100+00.00

N 11°20'29.5" E

PC 101+09.54

PI 102+33.94

PT 103+43.67

N 59°15'06.6" E

MATCH LINE STA. 104+60
SEE SHEET 54-014

TIE TO EX. S/W & C/G +38.50.5' LT

TIE TO EX. S/W & C/G +53.40.0' LT

TIE TO EX. S/W & C/G +41.58.0' RT

TIE TO EX. S/W & C/G +31.74.0' RT

EXIST R/W

1/0UTA

3-1/0AXNJ

18" CMP

36" RCP

ASPHALT

CONC

GUARD RAIL

AT&T BSC6
24' BOC

AT&T BSC6
14' BOC

ANTW-900 (97)

ANTW-200 (98)

ANTW-60 (36)

SR-5BQ2MT-048 (12)

GPC/35'

GPC/40'

GPC/ T#226588

WATER VAULT

IRRIGATION VAULT

TP B

NSA

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

Curve# 1
PI Sta= 102+33.94
N= 1469975.73
E= 2251655.97
DELTA= 47°54'37.1" (RT)
D= 20°27'46.00"
T= 124.40
L= 234.13
R= 280.00
E= 26.39
e= N/A
Curve# 1 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE (LOD)
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

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400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
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SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 2

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-013

01/26/2015 GPLN

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

SAM'S REAL ESTATE BUSINESS TRUST

MAIN EVENT

105+00 106+00 107+00 108+00 109+00 110+00

PC 109+97.10

1/OUTA

ASPHALT

SR-5BQ2MT-024 (12)

ANTW-100 (98)

ANTW-100 (99)

ANTW-100 (04)

30" RCP

AT&T MAG6 9' BOC

ANTW-200 (98)

GPC/35'

EXIST R/W

SR-5BQ2MT-048 (12)

AT&T HH 5' BOC

Sd2-P

ANTW-400 (97)

APPROX EXIST R/W

APPROX. DRIVEWAY LOCATION

DAVIS DRIVE

℄ OF CONST.

N 59°15'06.6" E

CURVE° 2

MATCH LINE STA. 104+60 SEE SHEET 54-013

MATCH LINE STA. 110+40 SEE SHEET 54-015

ANTW-600 (97)

ANTW-200 (98)

AT&T DSB12 7' BOC

32' EOP @ 41"

3-1/0AXNJ

GPC/ T# 230700

HOMEWOOD SUITES

PAPPAS RESTAURANTS INC

146

3-750AAC+ 4/0ALN

Curve° 2
PI Sta° 110+29.03
N° 1470389.73
E° 2252351.90
DELTA° 01°49'47.4" (LT)
D° 02°51'53.24"
T° 31.94
L° 63.87
R° 2000.00
E° 0.26
Curve° 2 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET 0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 2

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-014

01/26/2015 GPLN

MAIN EVENT

BEGIN CONSTRUCTION WITH FULL DEPTH ASPHALT CONSTRUCTION
END MILL, OVERLAY & RE-STRIPING ONLY
STA 111+50.00
N 1470454.8663
E 2252453.8330

MATCH LINE STA. 110+40
SEE SHEET 54-014

MATCH LINE STA. 115+80
SEE SHEET 54-016

2
ALPHARETTA FAMILY SKATE CENTER

Curve° 3
PI Sta° 114+24.36
N° 1470602.59
E° 2252685.02
DELTA° 16°54'16.8" (RT)
D° 08°18'13.45"
T° 102.53
L° 203.58
R° 690.00
E° 7.58
e° 2.6%

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
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3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.
6) CONTRACTOR MAY PROPOSE AN ALTERNATE LOCATION FOR THE CONCRETE WASHOUT STRUCTURE. ALTERNATE LOCATION SHALL BE APPROVED BY THE PROJECT ENGINEER.

PT 110+60.97
111+00
112+00
113+00
114+00
115+00
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GPC/100'
GPC/35'
1/0UTA
3-750AAC+ 4/0ALN
230KV TRANSMISSION
AT&T BOXES DO NOT DISTURB
ASPHALT
DWESMT
Ds4
Du
S-1PS
REMOVE EXISTING STRUCTURES A-1 AND A-2. REMOVE PIPES UPSTREAM OF STRUCTURE ST-1.
AREA 1
TESMT
ANTW-100 (97)
EXIST R/W
REQD R/W
A-1
A-2
A-3
Sd2-P
Sd1-S
ST-1
TP D
6' SIDEWALK
8' SIDEWALK
CURVE° 3
DAVIS DRIVE
S 74°25'19.2" E
℄ OF CONST.
(VARIABLE R/W)
N 74°19'36.1" E
PROPOSED STORMCEPTOR MODEL STC-4501
18"
EXIST R/W
CONC MSE WALL
REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)
DNESMT
DO NOT DISTURB
4" PLASTIC
3-110AXNJ
AT&T HH
BOC
EXISTING CONCRETE PARKING LOT
PC 113+21.82
PT 115+25.40
Mb
Ds3
AREA 3
PROPOSED CONCRETE WASHOUT STRUCTURE LOCATION
3
ROCK MILL 400 LP
1
PAPPAS RESTAURANTS INC

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 2

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-015

01/26/2015 GPLN

3/3/2021 5:02:55 PM | GPLOT-V8 | 0000953_54-016.dgn
william.scherer | gplotborder-V81-P0.tbl

POST DEVELOPMENT DRAINAGE BASIN #2

1 STORY BUILDING

2 ALPHARETTA FAMILY SKATE CENTER

3 ROCK MILL 400 LP

DO NOT DISTURB EX. C&G

CONC BLOCK WALL

AREA 1

AREA 2

AREA 3

AREA 4

TESMT

6' SIDEWALK

8' SIDEWALK

DAVIS DRIVE

℄ OF CONST.

N 74°19'36.1" E

REQD R/W

Tc PATH (REFER TO MODEL DATA)

CURVE° 4

PC 118+73.25

116+00

117+00

118+00

119+00

120+00

MATCH LINE STA. 115+80 SEE SHEET 54-015

MATCH LINE STA. 120+80 SEE SHEET 54-017

RW16033

RW16036

RW16054

RW16055

RW16056

RW16057

RW16058

RW16059

RW16035

6' CHAIN-LINK FENCE & 16' GATE

PROPOSED STORMCEPTOR MODEL STC-900

SAFETY BENCH 6'

AQUATIC BENCH 6'

PERMANENT POOL & LIMITS OF LINER INVERT=1066.00

OCS SPECIAL DETAIL

STORMWATER POND

EMERGENCY SPILLWAY INVERT=1070.00

GOOT STD 1120 (VERT) 1065.00

TYPE 3 RIPRAP 32 SY

TYPE 3 RIPRAP 130 SY

TYPE 3 RIPRAP 258 SY

1073.00

1072.00

1070

1065

1063.00

Curve° 4
PT Sta. 119+95.49
N. 1470157.29
E. 2253236.35
DELTA. 26°57'25.8" (LT)
D. 11°14'04.08"
T. 122.24
L. 239.95
R. 510.00
E. 14.44
e. 3.0%

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

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ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES		
02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 2

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-016

01/26/2015 GPLN

Curve# 5
PI Sta: 124+45.57
N: 1471065.18
E: 2253570.82
DELTA: 88°24'23.9" (LT)
D: 28°56'14.14"
T: 192.57
L: 305.51
R: 198.00
E: 78.20
e: 4.0%

3
ROCK MILL 400 LP

POST-DEVELOPMENT DRAINAGE BASIN #4

MATCH LINE STA 124+80 SEE SHEET 54-018

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.

WOODS LINE
PC 122+53.00
124+00
123+00
122+00
121+00
PT 121+13.20
POST-DEVELOPMENT DRAINAGE BASIN #2
REQD R/W
TESMT
EXIST R/W
CURVE# 5
Du
Ds3
Ds4
Mb
Sd2-P
Sd1-S
Cd-S
Co
℄ OF CONST.
N 47°22'10.3" E
DAVIS DRIVE
8' SIDEWALK
DWESMT
ASPHALT
DO NOT DISTURB EX. LIGHT
DO NOT DISTURB EX. C&G
DO NOT DISTURB
REMOVE EX. PVMT GRASS & GRADE TO DRAIN (COST TO BE INCLUDED IN GRADING COMPLETE)
END 2' FB CONC DITCH STA. 124+12.00
END 2' FB DITCH BEGIN 2' FB CONC DITCH STA. 123+50.00
Tc PATH (DITCH) (REFER TO MODEL DATA)
EXISTING DIRT
EXISTING TOP GOLF USE WALL
4
30 WEST PERSHING LLC
DO NOT DISTURB
130
131
ESA BOUNDARY
POST-DEVELOPMENT DITCH DRAINAGE
POST-DEVELOPMENT DRAINAGE BASIN #3
18" TWIN HWD
16" TWIN HWD
12'X5' CLUSTER OF TREES

Curve# 4
PI Sta: 119+95.49
N: 1470757.29
E: 2253238.35
DELTA: 26°57'25.8" (LT)
D: 11°14'04.08"
T: 122.24
L: 239.95
R: 510.00
E: 14.44
e: 3.0%

3
ROCK MILL 400 LP

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

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ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 2

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-017

01/26/2015 GPLN

1) SOD SHALL BE USED TO ESTABLISH PERMANENT VEGETATION IN ALL CONSTRUCTED OR DISTURBED 2-FOOT GRASS STRIPS AND AS SHOWN ON THE 54-SERIES PLAN SHEETS.
2) SLOPE MATTING SHALL BE USED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3H:1V.
3) CONTRACTOR SHALL USE STONE AND/OR FABRIC CHECK DAMS AS NEEDED DURING MASS GRADING OPERATIONS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE PROJECT AREA.
4) THE LIMIT OF DISTURBANCE IS DENOTED BY THE LOD LINE STYLE IN THE LEGEND OR THE LOCATION OF THE TREE PROTECTION FENCE.
5) CONTRACTOR SHALL ENDEAVOR TO PRESERVE AS MUCH EXISTING LANDSCAPING AS FEASIBILE WITHIN THE PROJECT LIMITS.

Curve# 5
PI Sta: 124+45.57
N: 1471065.18
E: 2253570.82
DELTA: 88°24'23.9" (LT)
D: 28°56'14.14"
T: 192.57
L: 305.51
R: 198.00
E: 78.20
e: 4.0%

3
ROCK MILL 400 LP

4
30 WEST PERSHING LLC

MATCH LINE STA. 124+80
SEE SHEET 54-017

PT 125+58.51

125+00 126+00 127+00 128+00 129+00 129+50

ST-3
PROPOSED STORMCEPTOR MODEL STC-4501

TESMT

REQD R/W

EXIST R/W

DAVIS DRIVE
℄ OF CONST.
N 41°02'13.7" W

DWESMT

WESTSIDE PARKWAY

END CONSTRUCTION WITH FULL DEPTH ASPHALT TO MATCH EXISTING GRADE
STA 128+15.63
N 1471404.3689
E 2253275.5846

END PROJECT
END CONSTRUCTION
STA 128+33.35
N 1471417.7308
E 2253263.9541

TBM #3267
"X" SCRIBED IN CONCRETE
N:1471378.52
E:2253304.74
ELEV:1066.00

SANCTUARY PARK REALTY HOLDING COMPANY

SANCTUARY PARKWAY

RETAIN

RETROFIT EXISTING BOX TO INCORPORATE PROPOSED BOX RETAIN EXISTING PIPE

RETROFIT TO MANHOLE ADJUST TOGRADE

DO NOT DISTURB EX. C&G

DO NOT DISTURB EX. LIGHT

DO NOT DISTURB

Sd2-P
INSTALL INLET SEDIMENT TRAP ON THE NEXT TWO DOWNSTREAM CURB INLETS ON WESTSIDE PARKWAY

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

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY
LIMIT OF DISTURBANCE
LOD/TREE PROTECTION FENCE (COA STD L-6, TYPE C)

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 20 40 80

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

BMP LOCATION DETAILS - STAGE 2

DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 54-018

01/26/2015 GPLN

3/9/2021 6:22:49 PM william.scherer
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TOTAL DISTURBED AREA = 3.54 ACRES
TOTAL PROJECT AREA = 6.96 ACRES

RECEIVING WATER DRAINAGE AREAS

TRIBUTARY TO BIG CREEK:
DRAINAGE AREA = 0.11 SQ. MILES

TRIBUTARY TO FOE KILLER CREEK:
DRAINAGE AREA = 0.0175 SQ. MILES

BOTH THE PROPOSED C AND D PIPE SYSTEMS CONNECT TO THE TOP GOLF CLOSED SYSTEM, WHICH FLOWS THROUGH THE EXISTING TOP GOLF DETENTION POND. THE MAJORITY OF RUNOFF THROUGH A DISTURBED AREA FLOWS THROUGH THE TOP GOLF SYSTEM AND DETENTION POND PRIOR TO DISCHARGING TO A TRIBUTARY TO BIG CREEK.

FLOW ARROW

(A-1) STORM DRAIN STRUCTURE ID

DRAINAGE AREA BOUNDARY

THIS PROJECT USES REPRESENTATIVE NPDES SAMPLING INSTEAD OF RECEIVING WATER SAMPLING UPSTREAM AND DOWNSTREAM OF THE OUTFALL FROM THE TOP GOLF DETENTION POND. THE REASON FOR THIS IS THERE WILL LIKELY BE A SEPARATE CONSTRUCTION PROJECT IN PROGRESS UPSTREAM OF THE TOP GOLF POND OUTFALL, WHICH COULD ADVERSELY AFFECT TURBIDITY READINGS AT THE TRIBUTARY TO BIG CREEK RECEIVING WATERS.

THE CITY OF ALPHARETTA PUBLIC WORKS

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400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

SCALE IN FEET
0 300 600 1,200

REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

WATERSHED MAP SITE MONITORING PLAN

DAVIS DRIVE EXTENSION
AND MULTIMODAL IMPROVEMENTS
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 55-001

01/26/2015 GPLN

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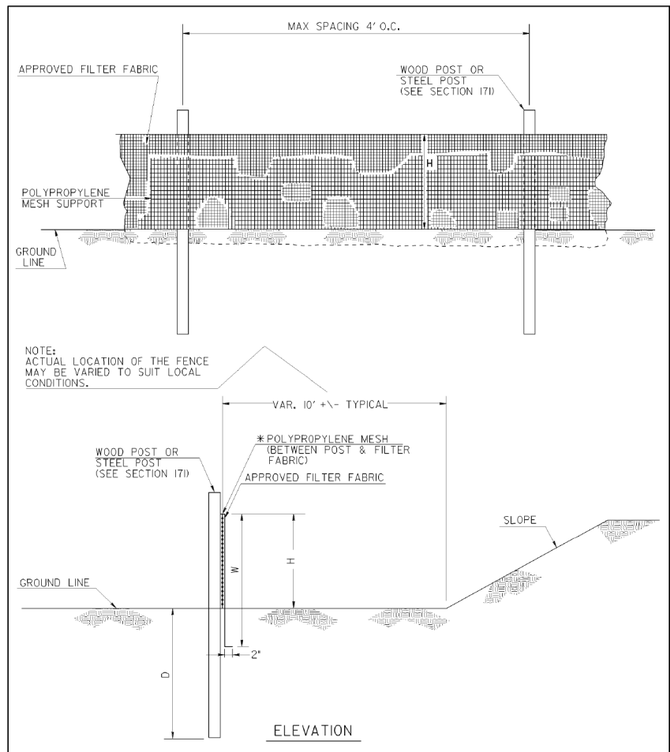
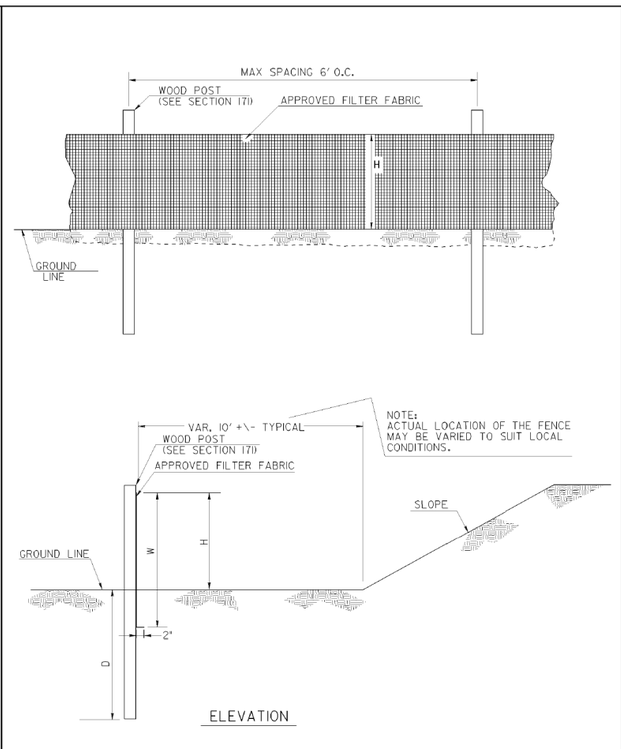
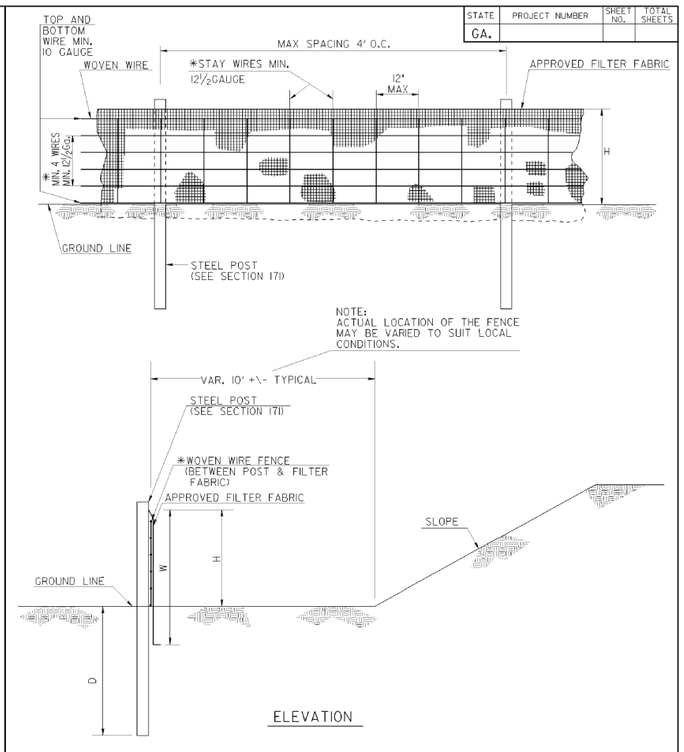


SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE



SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST ½ INCHES LONG AND A CROWN AT LEAST ¾INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1INCH LONG , WITH BUTTON HEADS AT LEAST ¾ INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12½ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE OPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

NO SCALE REV. AND REDRAWN JAN. 2011

NUMBER D-24A (SHEET 1 OF 4)

DATE | REVISION | BY

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AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

THE CITY OF ALPHARETTA PUBLIC WORKS

REVISION DATES

02-26-2021		

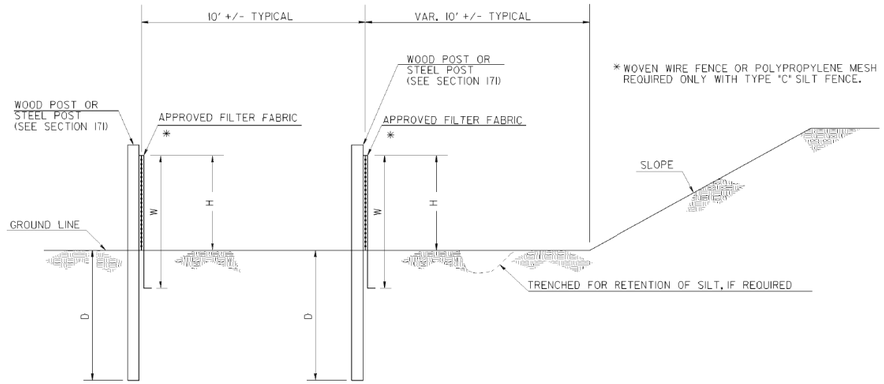
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 56-001

01/26/2015 GPLN

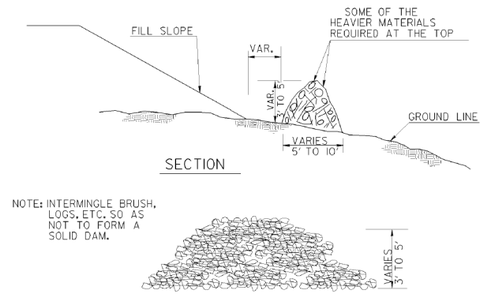


ELEVATION

DOUBLE ROW SILT FENCE

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS

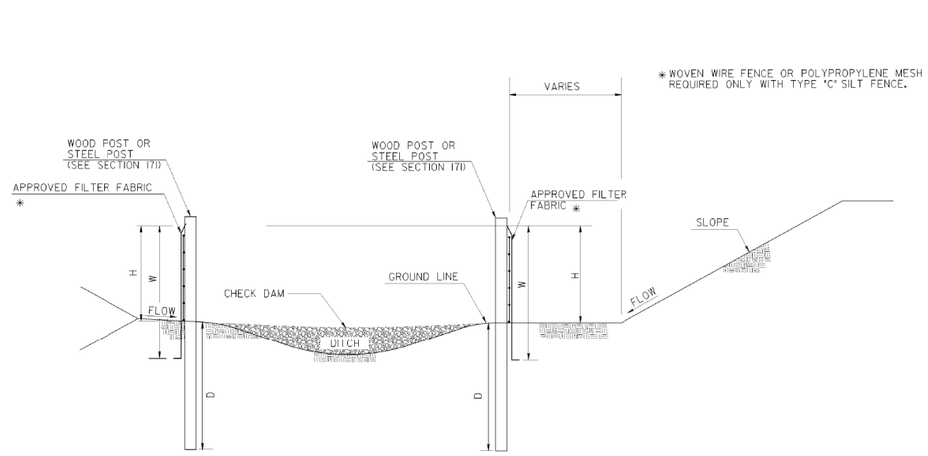


SECTION

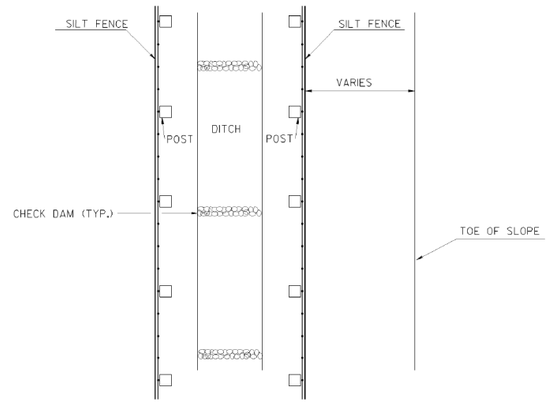
FRONT VIEW

NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)



ELEVATION



PLAN

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

BERM DITCH, INSTALLATION, BRUSH BARRIER

NO SCALE REV. AND REDRAWN JAN. 2011

DATE | REVISION | BY

NUMBER D-24B (SHEET 2 OF 4)

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THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
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REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

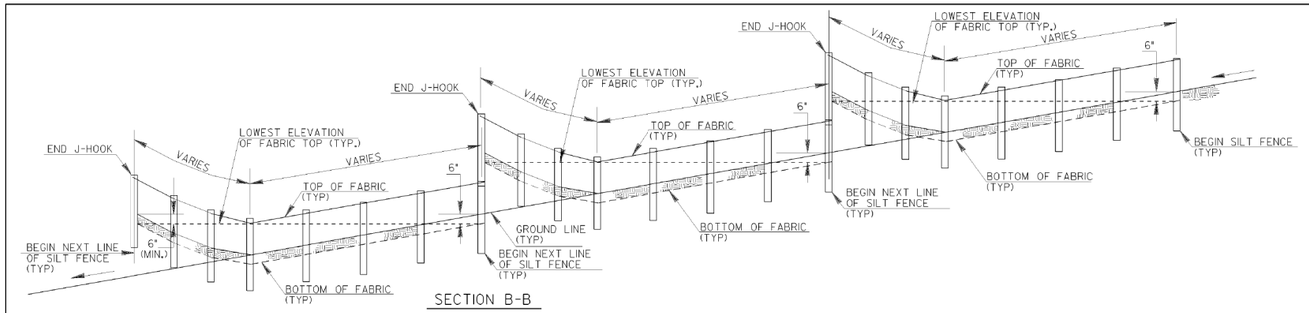
EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

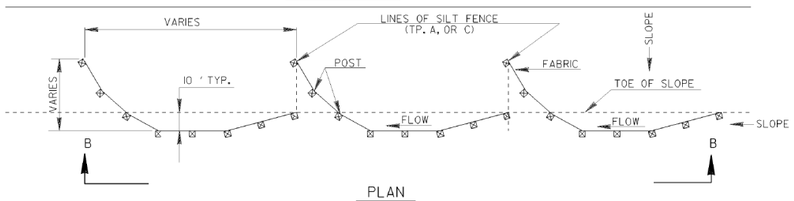
DRAWING No. 56-002

01/26/2015 GPLN

1/18/2011 2:06:33 PM \\GDOT-DSN1\GDPLOT\DCF\GO_XTp8000.dcf gowens V:\GARY\Rev. Construction Details\D-24C\D-24C.prf GO-RD6

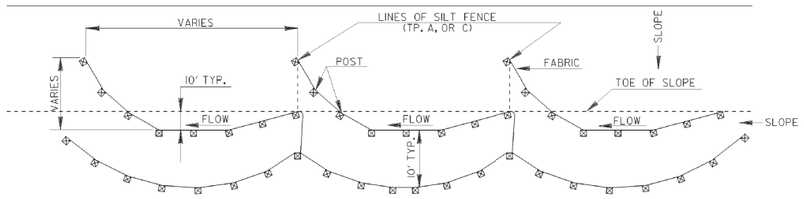


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



PLAN

DOUBLE ROW SILT FENCE

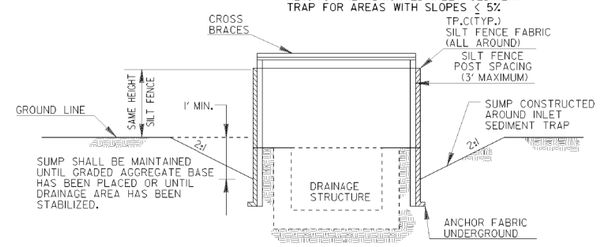
TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

NOTE:

1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

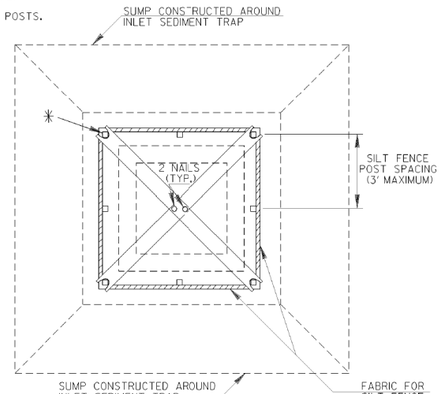
TYPICAL LOCATION AROUND DROP INLETS

ALT. TO PREFABRICATED INLET SEDIMENT TRAP FOR AREAS WITH SLOPES ≤ 5%



ELEVATION

✳ CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

INLET SEDIMENT TRAP - FOR DROP INLETS

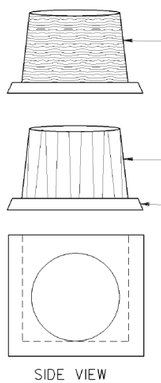
(PLASTIC ALTERNATE)

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

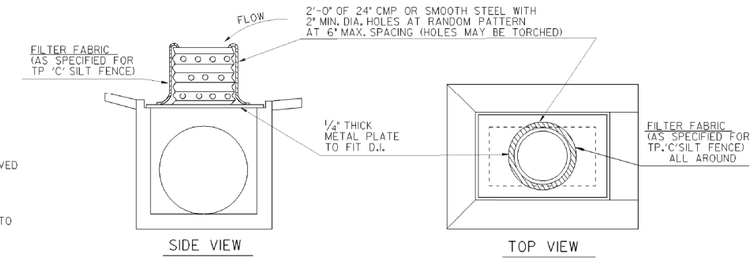
1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.



SIDE VIEW

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
J-HOOK, INLET SEDIMENT TRAPS

NO SCALE — JANUARY 2011

DATE / REVISION / BY

NUMBER D-24C (SHEET 3 OF 4)

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01/26/2015 GPLN

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

02-26-2021		

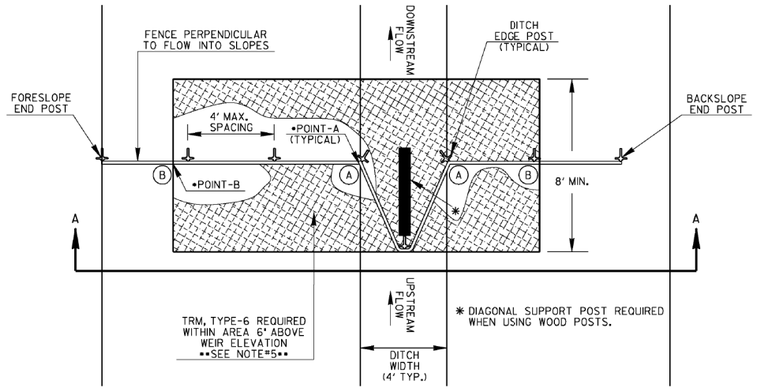
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

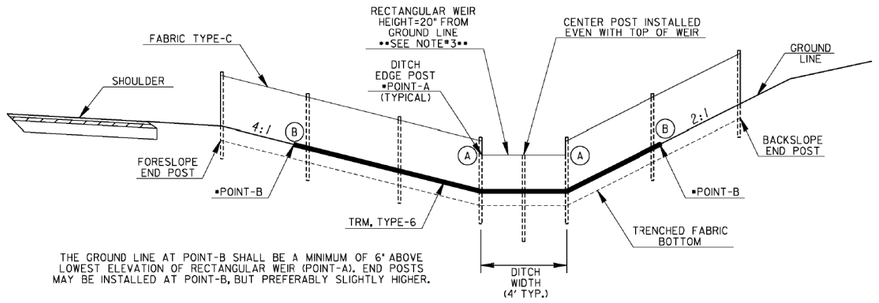
DRAWING No. 56-003

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



PLAN VIEW

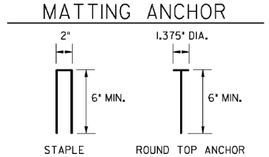
TYPICAL FABRIC CHECK DAM SPACING	
GRADE OF DITCH	MINIMUM SPACING (FEET)
LESS THAN 1%	100' ±
1% TO 3%	75' ±
3% TO 6%	50' ±
6% TO 8%	25' ±



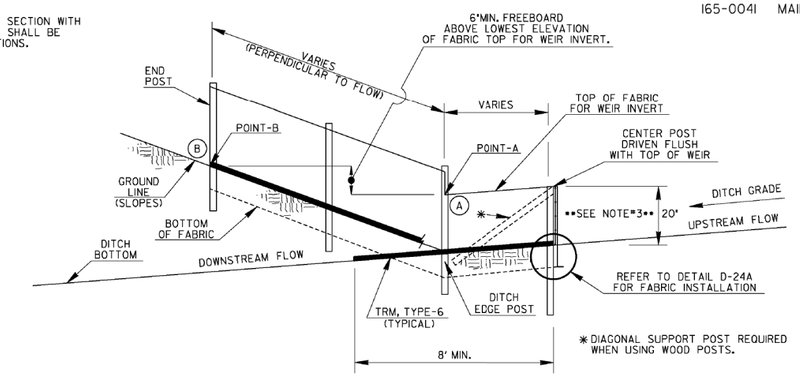
SECTION A-A

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

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:

1. FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.
2. FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
3. FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 15-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.
4. THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:
   - A) DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.
   - B) CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.
   - C) LAYOUT TURF REINFORCEMENT MATTING (TRM), TYPE-6 TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSTREAM OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL NECESSARY TRM SHALL BE OVERLAPPED 3-FT. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.
   - D) INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.
   - E) PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.
   - F) INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSTREAM TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED. HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.
5. TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

PAY ITEMS:
163-0528 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DATE	REVISION	BY

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)

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

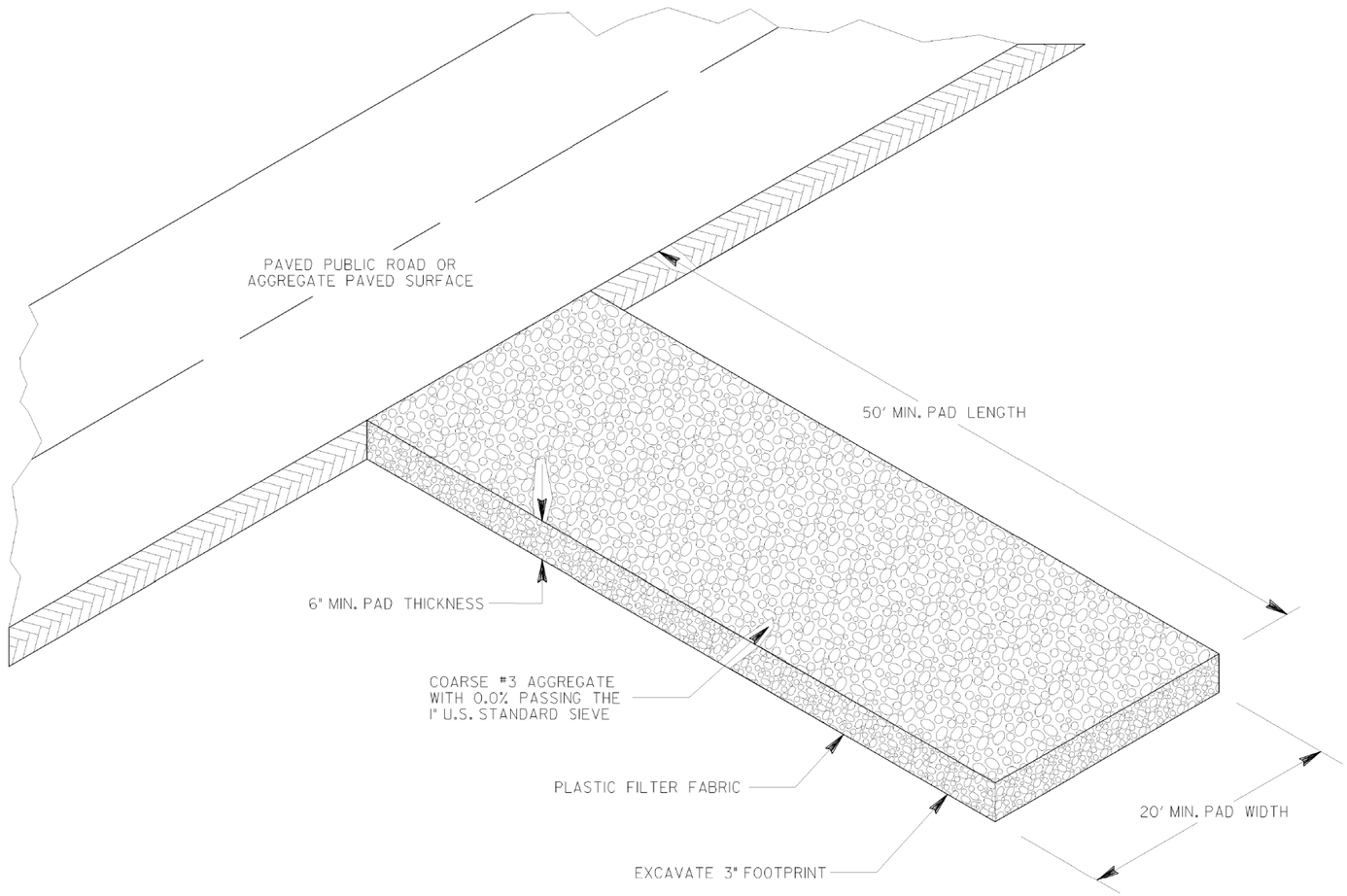
THE CITY OF ALPHARETTA PUBLIC WORKS

REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
EROSION CONTROL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING No. 56-004

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



NOTES:
1) STONE AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
2) CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.

MAINTENANCE

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH COARSE #3 AGGREGATE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

PAY ITEM: 163-0300__CONSTRUCTION EXIT___EACH

DATE	REVISION	BY
1-19-11	REV. CONSTR. EXIT LABELS	TPC

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

NO SCALE FEBRUARY 2001

NUMBER D-41

1/18/2011 8:15:10 AM \\GDOT-DSN1\GDPLOT\DCF\GO_XTp8000.dcf gowens V:\GARY\Rev. Construction Details\D-41\D-41.prf

01/26/2015 GPLN

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

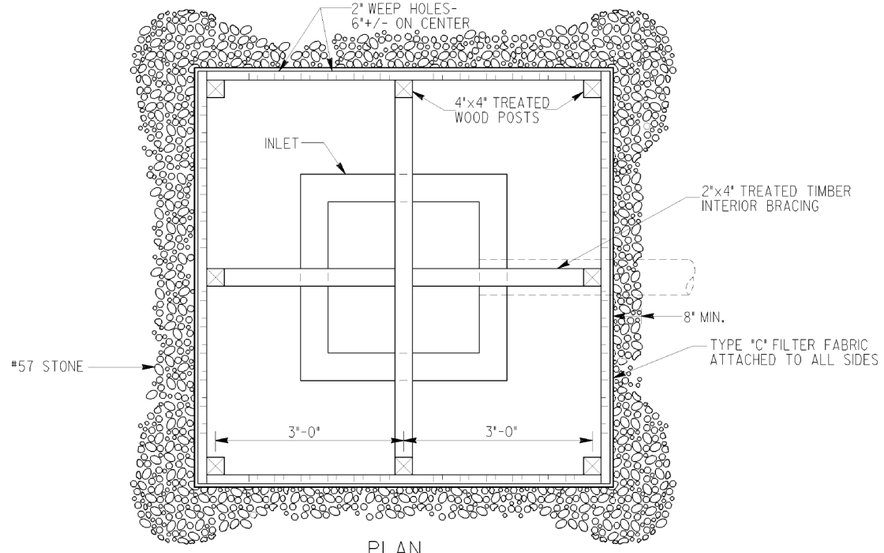
02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 56-005

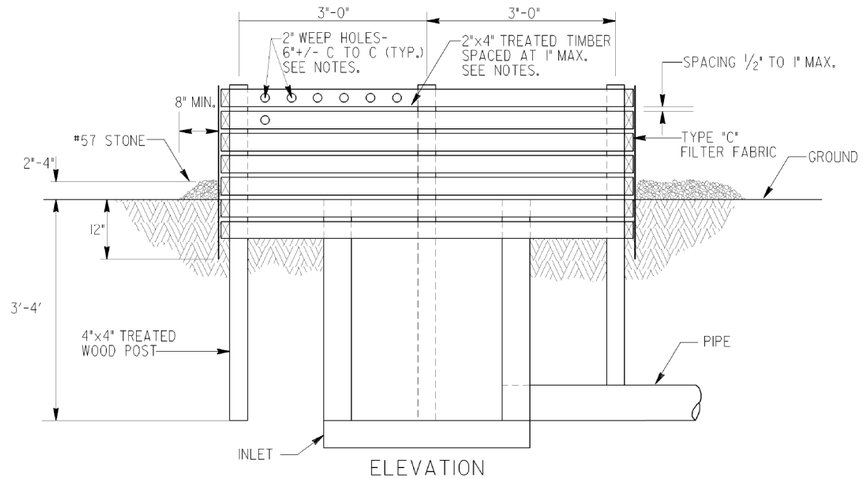


PLAN

NOTES:

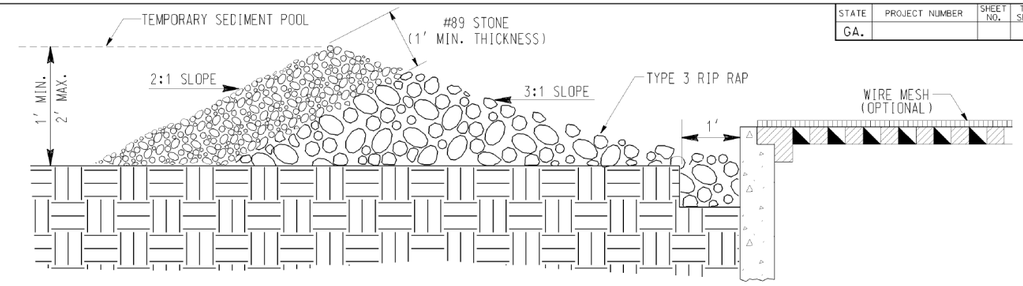
BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.

GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.

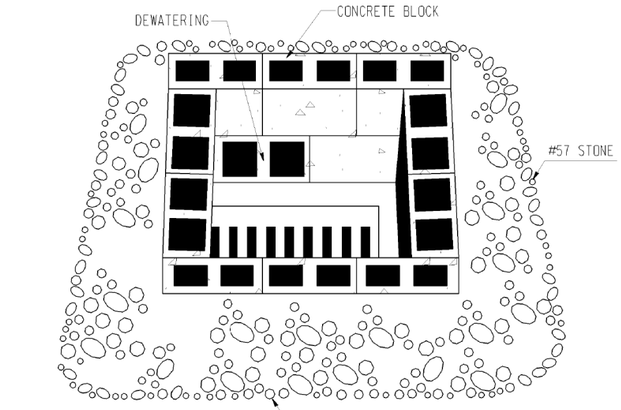


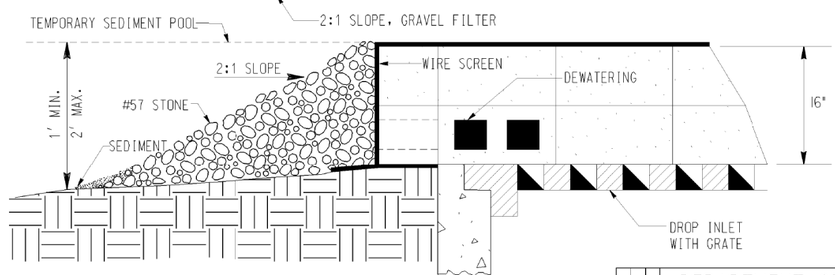
ELEVATION

BAFFLE BOX (Sd2-B)



GRAVEL DROP INLET PROTECTION (GRAVEL DONUT) Sd2-G





BLOCK & GRAVEL DROP INLET PROTECTION (Sd2-Bg)

BASIS OF PAYMENT:
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP _____ EACH

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
INLET SEDIMENT TRAPS
BAFFLE BOX Sd2-B
BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg
GRAVEL DROP INLET PROTECTION Sd2-G

NO SCALE MAY 2008

DATE | REVISION | BY

NUMBER D-42

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

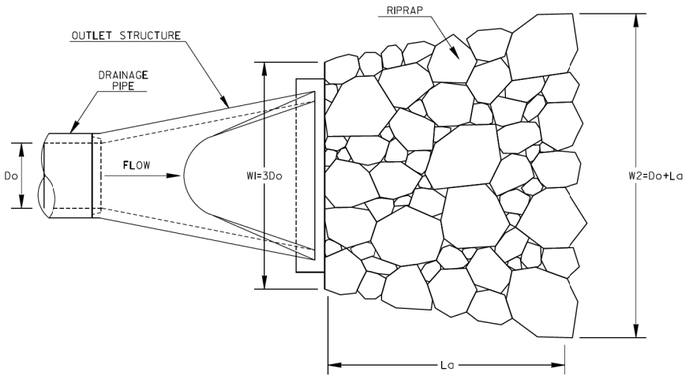
REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
EROSION CONTROL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING No. 56-006

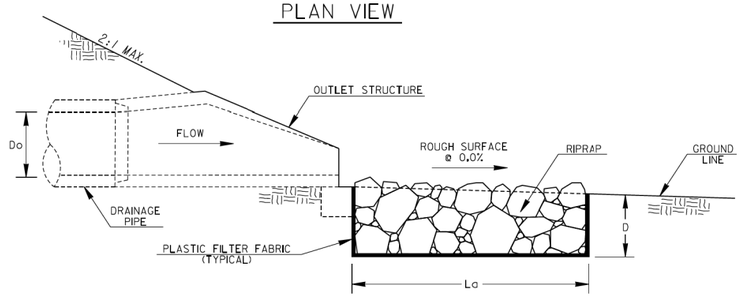
01/26/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

OUTLET TO FLAT AREA

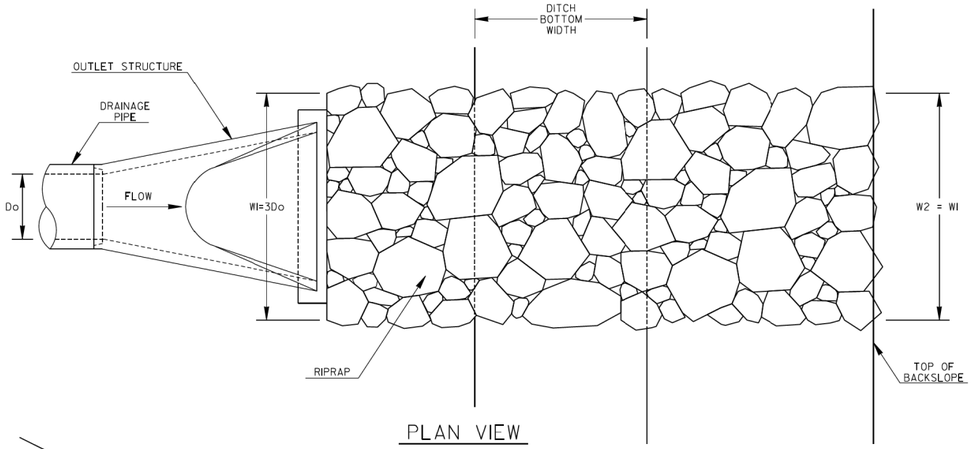


PLAN VIEW

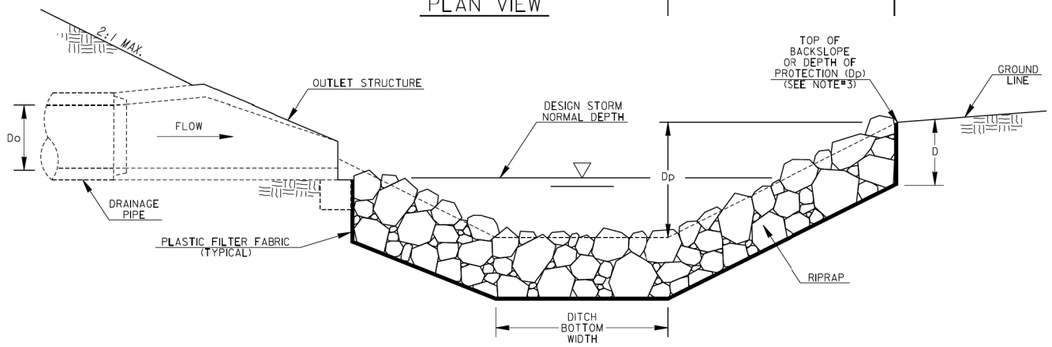


PROFILE VIEW

OUTLET PERPENDICULAR TO WELL-DEFINED CHANNEL



PLAN VIEW



PROFILE VIEW

GENERAL NOTES:

1. RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD 1120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.

2. RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (WI), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

   THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.

3. THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PERPENDICULAR INTO A WELL-DEFINED CHANNEL. THE LENGTH SHALL EXTEND ACROSS THE CHANNEL AND UP TO THE TOP OF THE CHANNEL BACKSLOPE OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE APRON DOES NOT EXTEND TO THE TOP OF THE BACKSLOPE.

4. IF THE OUTLET HYDRAULICS REQUIRE A d50<=0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50<=1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50>1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.

5. PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.

6. PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

Do = PIPE DIAMETER
Q = DESIGN STORM FLOW RATE
V = DESIGN STORM VELOCITY
Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
La = APRON LENGTH
WI = APRON WIDTH UPSTREAM
W2 = APRON WIDTH DOWNSTREAM
d50 = AVERAGE STONE DIAMETER
D = INSTALLATION DEPTH
Dp = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

RIPRAP OUTLET PROTECTION
(SHEET 1 OF 2)

NO SCALE 4-22-2016

DATE / REVISION / BY
DESIGNED DLF
DRAWN DLF
TRACED ____
CHECKED ____

NUMBER D-55A

THE CITY OF ALPHARETTA PUBLIC WORKS

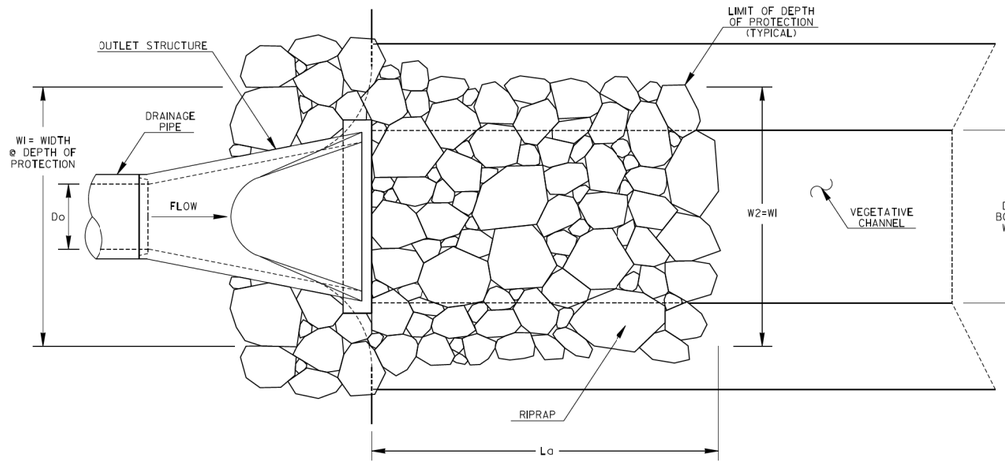
AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES
02-26-2021

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
EROSION CONTROL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING No. 56-007

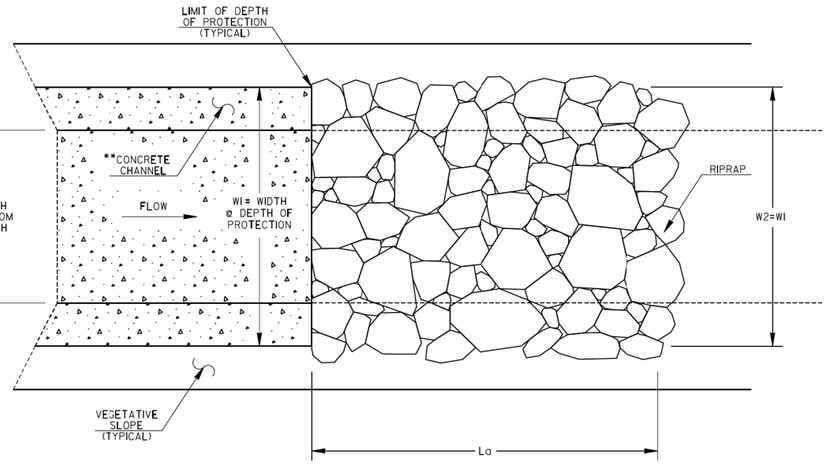
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

OUTLET PARALLEL TO WELL-DEFINED CHANNEL



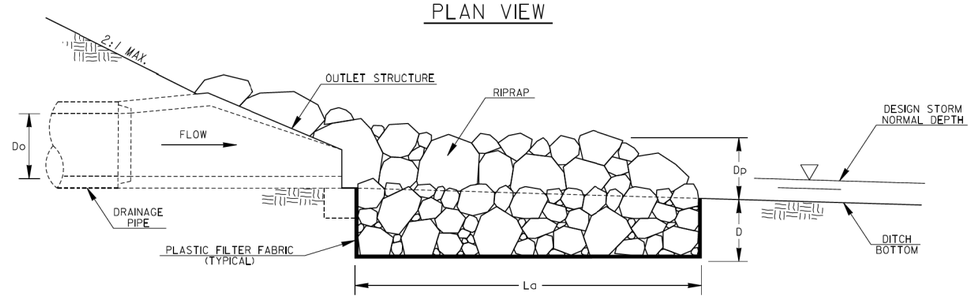
PLAN VIEW

CONCRETE CHANNEL TO RIPRAP TRANSITION

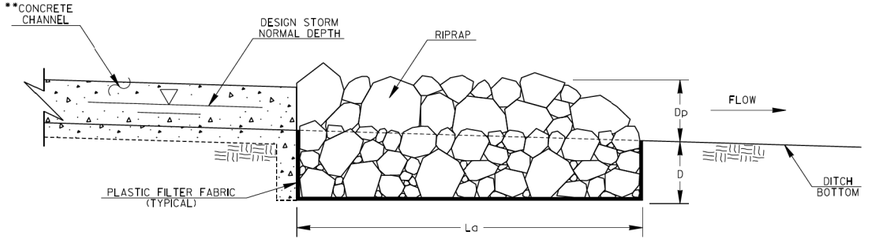


**REFER TO CONSTRUCTION DETAIL D-10 FOR CONCRETE DITCH PAVING INFORMATION

PLAN VIEW



PROFILE VIEW



PROFILE VIEW

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   RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD 1120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.
   RIPRAP OUTLET PROTECTION IS SHOWN FOR A CONCRETE DITCH, BUT IS INSTALLED SIMILARLY TO TRANSITION FROM OTHER CHANNEL LININGS.

2. RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (Wi), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

   THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.

3. THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PARALLEL INTO A WELL-DEFINED CHANNEL. THE APRON WIDTHS IN THIS CASE SHALL REPRESENT THE WIDTH AT THE DEPTH OF PROTECTION. THE RIPRAP SHALL BE INSTALLED TO THE TOP OF CHANNEL OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE RIPRAP SHOULD NOT BE INSTALLED TO THE TOP OF THE CHANNEL. RIPRAP SHOULD ALSO BE INSTALLED TO ARMOR CHANNEL CORNER AT THE OUTLET STRUCTURE.

4. IF THE OUTLET HYDRAULICS REQUIRE A d50<=0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50<=1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
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5. PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.

6. PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

Do = PIPE DIAMETER
Q = DESIGN STORM FLOW RATE
V = DESIGN STORM VELOCITY
Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
La = APRON LENGTH
Wi = APRON WIDTH UPSTREAM AT DEPTH OF PROTECTION
W2 = APRON WIDTH DOWNSTREAM AT DEPTH OF PROTECTION
d50 = AVERAGE STONE DIAMETER
D = INSTALLATION DEPTH
Dp = DEPTH OF PROTECTION

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

RIPRAP OUTLET PROTECTION
(SHEET 2 OF 2)

NO SCALE 4-22-2016

DESIGNED DLE
DRAWN DLE
TRACED
CHECKED

NUMBER D-55B

DATE / REVISION / BY

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM
400 NORTHPARK TOWN CENTER
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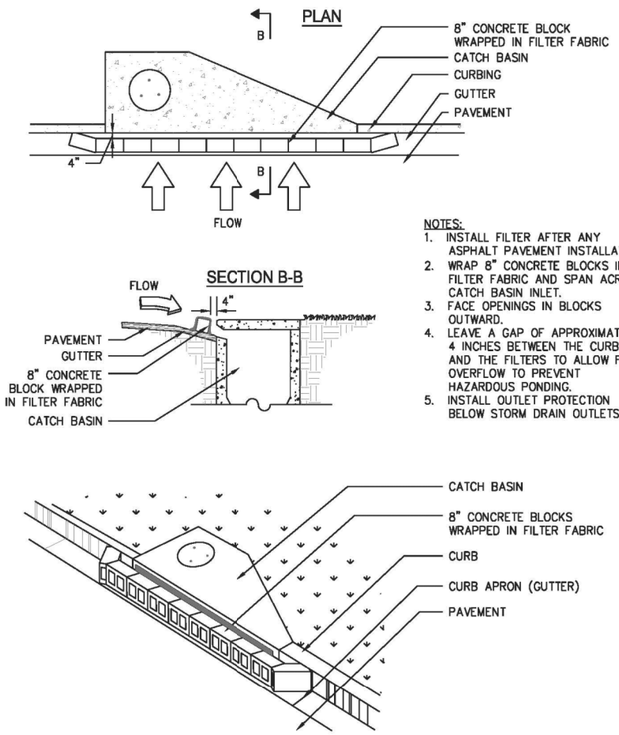
REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
EROSION CONTROL CONSTRUCTION DETAILS
DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)
DRAWING No. 56-008

01/26/2015 GPLN

CURB INLET FILTER "PIGS IN BLANKET"



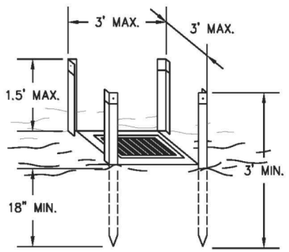
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.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

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

GSWCC Sd2-P DETAIL

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND TYPE C SILT FENCE INSTALLATION



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

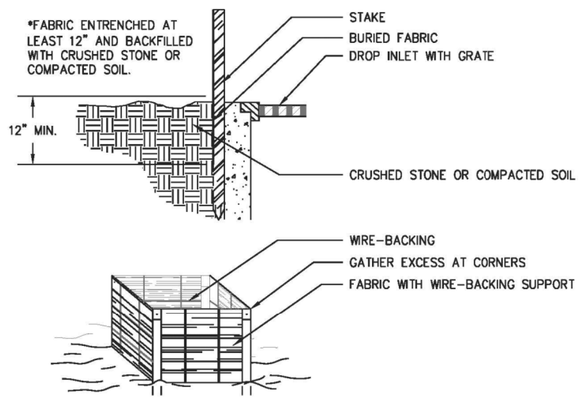
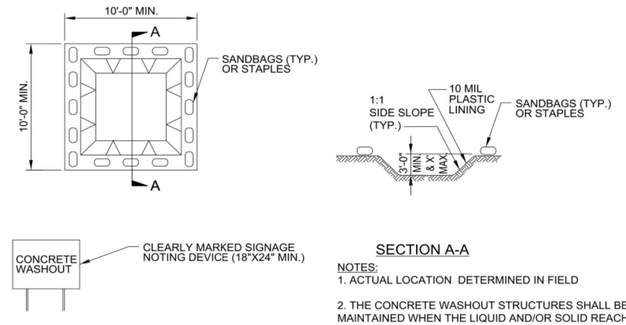


Figure 6-28.1 - Fabric and Supporting Frame For Inlet Projection

GSWCC Sd2-F DETAIL

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



PLAN

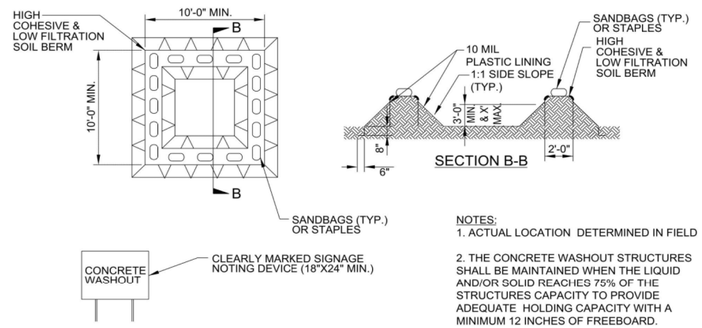
SECTION A-A

NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE



PLAN

NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

CONCRETE WASHOUT STRUCTURE DETAIL (c/o NCDOT)

THE CITY OF ALPHARETTA PUBLIC WORKS

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CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

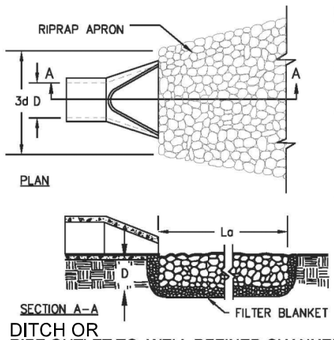
EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 56-009

RIPRAP OUTLET PROTECTION

DITCH OR PIPE OUTLET TO FLAT AREA – NO WELL DEFINED CHANNEL



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

DITCH OR PIPE OUTLET TO WELL DEFINED CHANNEL

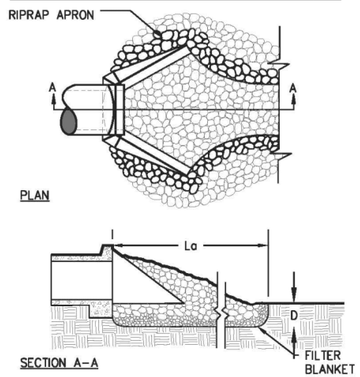
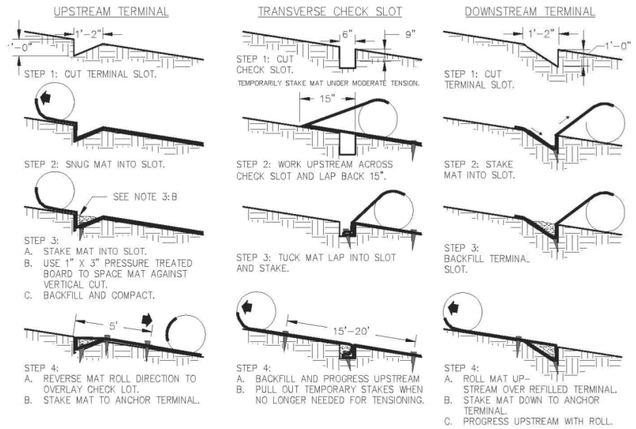


Figure 6-34.3 - Riprap Outlet Protection (Modified From Va SWCC)

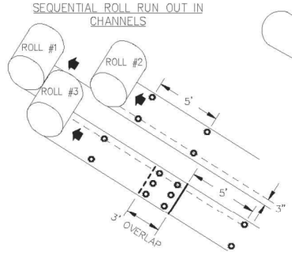
GSWCC ST-Rp INSTALLATION DETAIL

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

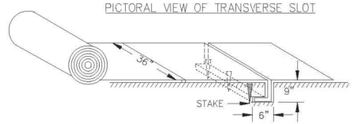
BLANKET AND MATTING CROSS-SECTIONS



SEQUENTIAL ROLL RUN OUT IN CHANNELS



PICTORAL VIEW OF TRANSVERSE SLOT



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

Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets

GSWCC Mb INSTALLATION DETAIL

Dust Control on Disturbed Areas

Du

DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE

- To prevent surface and air movement of dust from exposed soil surfaces.
- To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. Temporary Methods

Mulches. See standard **Ds1 - Disturbed Area Stabilization (With Mulching Only)**. Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification **Tac - Tackifiers**. Resins should be used according to manufacturer's recommendations.

Vegetative Cover. See specification **Ds2 - Disturbed Area Stabilization (With Temporary Seeding)**.

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification **Tac - Tackifiers**.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. Permanent Methods

Permanent Vegetation. See specification **Ds3 -Disturbed Area Stabilization (With Permanent Vegetation)**. Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See specification **Tp - Topsoiling**.

Stone. Cover surface with crushed stone or coarse gravel. See specification **Cr-Construction Road Stabilization**.

GSWCC DUST CONTROL METHODS & MATERIALS

THE CITY OF ALPHARETTA PUBLIC WORKS

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EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 56-010

Disturbed Area Stabilization (With Mulching Only) Ds1

DEFINITION

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

PURPOSE

- To reduce runoff and erosion
- To conserve moisture
- To prevent surface compaction or crusting
- To control undesirable vegetation
- To modify soil temperature
- To increase biological activity in the soil

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored and have a continuous 90% cover or greater of the soil surface.

Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months.

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to **Ds2 -Disturbed Area Stabilization (With Temporary Seeding), Ds3 - Disturbed Area Stabilization (With Permanent Seeding), and Ds4 - Disturbed Area Stabilization (With Sodding).**

SPECIFICATIONS

Mulching Without Seeding

This standard applies to graded or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

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

Mulching Materials

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

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

Applying Mulch

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

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
2. If the area will eventually be covered with perennial vegetation, 20-30 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 mulches.
3. Apply polyethylene film on exposed areas.

Anchoring Mulch

1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be 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. Tackifers, binders and hydraulic mulch with tackifier specifically desgined for tacking straw can be substituted for emulsified asphalt. Please refer to specification **Tac-Tackifers**. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.

2. 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.
3. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

GSWCC Ds1 (MULCHING) SPECIFICATIONS

Disturbed Area Stabilization (With Temporary Seeding) Ds2

DEFINITION

The establishment of temporary vegetative cover with fast growing seedings for seasonal protection on disturbed or denuded areas.

PURPOSE

- To reduce runoff and sediment damage of down stream resources
- To protect the soil surface from erosion
- To improve wildlife habitat
- To improve aesthetics
- To improve tilth, infiltration and aeration as well as organic matter for permanent plantings

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification **Ds1-Disturbed Area Stabilization (With Temporary Seeding).**

CONDITIONS

Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established. Note: Some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out-compete the desired species (e.g. annual ryegrass). Contact NRCS or the local SWCD for more information.

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.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate 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, culti-packer-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker 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 6-4.1

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.

GSWCC Ds2 (TEMPORARY SEEDING) SPECIFICATIONS

Ds2 NOTE:
SEE PAGES 6-31 THROUGH 6-34 OF THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION FOR ADDITIONAL INFORMATION INCLUDING FERTILIZER REQUIREMENTS, SEASONAL PLANTING REQUIRMENTS AND RECOMMENDED PLANTINGS.

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THE CITY OF ALPHARETTA PUBLIC WORKS

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DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 56-011

01/26/2015 GPLN

Disturbed Area Stabilization (With Permanent Vegetation)

Ds3

DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

PURPOSE

- To protect the soil surface from erosion
- To reduce damage from sediment and runoff to down-stream areas
- To improve wildlife habitat and visual resources
- To improve aesthetics

REQUIREMENT FOR REGULATORY COMPLIANCE

This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. **Final Stabilization** means that all soil disturbing activities at the site have been completed, and that for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by the GA EPD for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures.

Permanent vegetation shall consist of, planted trees, shrubs, perennial vines; or a crop of perennial vegetation appropriate for the region, such that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For linear construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until this standard is satisfied and permanent control measures and facilities are operational, interim stabilization measures and temporary erosion and sedimentation control measures shall not be removed.

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dams, and other denuded areas.

PLANNING CONSIDERATIONS

1. Use conventional planting methods where possible.
2. When mixed plantings are done during marginal planting periods, companion crops shall be used.
3. No-till planting is effective when planting is done following a summer or winter annual cover crop. Sericea lespedeza planted no-till into stands of rye is an excellent procedure.
4. Block sod provides immediate cover. It is especially effective in controlling erosion adjacent to concrete flumes and other structures. Refer to Specification **Ds4-Disturbed Area Stabilization (With Sodding)**.
5. Irrigation should be used when the soil is dry or when summer plantings are done.
6. Low maintenance plants, as well as natives, should be used to ensure long-lasting erosion control.
7. Mowing should not be performed during the quail nesting season (May to September).
8. Wildlife plantings should be included in critical area plantings.

Wildlife Plantings

Commercially available plants beneficial to wildlife species include the following:

Mast Bearing Trees

Beech, Black Cherry, Blackgum, Chestnut, Chinkapin, Hackberry, Hickory, Honey Locust, Native Oak, Persimmon, Sawtooth Oak and Sweetgum.

All trees that produce nuts or fruits are favored by many game species. Hickory provides nuts used mainly by squirrels and bear.

Shrubs and Small Trees

Bayberry, Bicolor Lespedeza, Crabapple, Dogwood, Huckleberry or Native Blueberry, Mountain Laurel, Native Holly, Red Cedar, Red Mulberry, Sumac, Wax Myrtle, Wild Plum and Blackberry.

Plant in patches without tall trees to develop stable shrub communities. All produce fruits used by many kinds of wildlife, except for lespedeza that produces seeds used by quail and songbirds.

Grasses, Legumes, Vines and Temporary Cover

Bahiagrass, Bermudagrass, Grass-Legume mixtures, Partridge Pea, Annual Lespedeza, Orchardgrass (for mountains), Browntop Millet (for temporary cover), and Native grapes.

Provides herbaceous cover in clearings for a game bird brood-rearing habitat. Appropriate legumes such as vetches, clovers, and lespedezas may be mixed with grass, but they may die out after a few years.

CONSTRUCTION SPECIFICATIONS

Grading and Shaping

Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishment.

When conventional seeding and fertilizing are to be done, grade and shape where feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.

Concentrations of water that will cause excessive soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications.

Lime and Fertilizer Rates and Analysis

Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is not required. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture.

Lime spread by conventional equipment shall be "ground limestone." Ground limestone is calcitic or dolomitic limestone ground so that 90 percent of the material will pass through a 10-mesh sieve, not less than 50 percent will pass through a 50-mesh sieve and not less than 25 percent will pass through a 100-mesh sieve.

Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" spanning from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.

It is desirable to use dolomitic limestone in the Sand Hills, Southern Coastal Plain and Atlantic Coast Flatwoods MLRAs. (See Figure 6-4.1)

Agricultural lime is generally not required where only trees are planted.

Initial fertilization, nitrogen, topdressing, and maintenance fertilizer requirements for each species or combination of species are listed in Table 6-5.1.

Lime and Fertilizer Application

When *hydraulic seeding* equipment is used, the initial fertilizer shall be mixed with seed, innoculant (if needed), and wood cellulose or wood pulp fiber mulch and applied in a slurry. The innoculant, if needed, shall be mixed with the seed prior to being placed into the hydraulic seeder. The slurry mixture will be agitated during application to keep the ingredients thoroughly mixed. The mixture will be spread uniformly over the area within one hour after being placed in the hydroseeder.

Finely ground limestone can be applied in the mulch slurry or in combination with the top dressing.

When *conventional planting* is to be done, lime and fertilizer shall be applied uniformly in one of the following ways:

1. Apply before land preparation so that it will be mixed with the soil during seedbed preparation.
2. Mix with the soil used to fill the holes, distribute in furrows.
3. Broadcast after steep surfaces are scarified, pitted or trenched.
4. A fertilizer pellet shall be placed at root depth in the closing hole beside each pine tree seedling.

Plant Selection

Refer to Tables 6-4.1, 6-5.2, 6-5.3 and 6-5.4 for approved species. Species not listed shall be approved by the State Resource Conservationist of the Natural Resources Conservation Service before they are used.

Plants shall be selected on the basis of species characteristics, site and soil conditions, planned use and maintenance of the area; time of year of planting, method of planting; and the needs and desires of the land user.

Some perennial species are easily established and can be planted alone. Examples of these are Common Bermuda, Tall Fescue, and Weeping Lovegrass.

Other perennials, such as Bahia Grass and Sericea Lespedeza, are slow to become established and should be planted with another perennial species. The additional species will provide quick cover and ample soil protection until the target perennial species become established. For example, Common seeding combinations are 1) Weeping Lovegrass with Sericea Lespedeza (scarified) and 2) Tall Fescue with Sericea Lespedeza (unscarified).

Plant selection may also include annual companion crops. Annual companion crops should be used only when the perennial species are not planted during their optimum planting period. A common mixture is Brown Top Millet with Common Bermuda in mid-summer. Care should be taken in selecting companion crop species and seeding rates because annual crops will compete with perennial species for water, nutrients, and growing space. A high seeding rate of the companion crop may prevent the establishment of perennial species.

Ryegrass shall not be used in any seeding mixtures containing perennial species due to its ability to out-compete desired species chosen for permanent perennial cover.

Seed Quality

The term "pure live seed" is used to express the quality of seed and is not shown on the label. Pure live seed, PLS, is expressed as a percentage of the seeds that are pure and will germinate. Information on percent germination and purity can be found on seed tags. PLS is determined by multiplying the percent of pure seed with the percent of germination; i.e.,

(PLS = % germination x % purity)

EXAMPLE:

Common Bermuda seed
70% germination, 80% purity

PLS = 70% germination x 80% purity

PLS = 56%

The percent of PLS helps you determine the amount of seed you need. If the seeding rate is 10 pounds PLS and the bulk seed is 56 % PLS, the bulk seeding rate is:

10 lbs. PLS/acre = 17.9 lbs/acre
56% PLS

You would need to plant 17.9 lbs/acre to provide 10 lbs/acre of pure live seed.

Seedbed Preparation

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

Broadcast plantings

1. Tillage, at a minimum, shall adequately

GSWCC Ds3 (PERMANENT VEGETATION) SPECIFICATIONS

Ds3 NOTE:
SEE PAGES 6-41 THROUGH 6-50 OF THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION FOR ADDITIONAL INFORMATION INCLUDING FERTILIZER REQUIREMENTS, SEASONAL PLANTING REQUIRMENTS AND RECOMMENDED PLANTINGS.

THE CITY OF ALPHARETTA PUBLIC WORKS

AECOM 400 NORTHPARK TOWN CENTER 1000 ABERNATHY ROAD, N.E., SUITE 900 ATLANTA, GEORGIA 30328 TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 56-012

loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used.

2. Tillage may be done with any suitable equipment.

3. Tillage should be done on the contour where feasible.

4. 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 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Individual Plants

1. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.

2. For nursery stock plants, holes shall be large enough to accommodate roots without crowding.

3. Where pine seedlings are to be planted, subsoil under the row 36 inches deep on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.

Innoculants

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

A mixing medium recommended by the manufacturer shall be used to bond the innoculant to the seed. For conventional seeding, use twice the amount of innoculant recommended by the manufacturer. For hydraulic seeding, four times the amount of innoculant 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. No inoculated seed shall remain in the hydroseeder longer than one hour.

Planting

Hydraulic Seeding

Mix the seed (innoculated 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 culti-packer-seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other suitable equipment.

No-Till Seeding

No-till seeding is permissible into annual cover crops when 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. The seed must be uniformly distributed and planted at the proper depth.

Individual Plants

Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots.

Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.

Where individual holes 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's functional longevity, vegeta-

tion establishment enhancement, and erosion control effectiveness. Select the mulching material from the following and apply as indicated:

1. *Dry straw* or *dry hay* of good quality and free of weed seeds can be used. 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.

2. *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 dry hay shall be applied (at the rate indicated above) after hydraulic seeding.

3. One thousand pounds of *wood cellulose* or *wood pulp fiber*, which includes a tackifier, shall be used with hydraulic seeding on slopes 3/4:1 or steeper.

4. *Sericea Lespedeza* hay containing mature seed shall be applied at a rate of three tons per acre.

5. *Pine straw* or *pine bark* shall be applied at a thickness of 3 inches 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 seeded areas.

6. When using temporary erosion control blankets or block sod, mulch is not required.

7. *Bituminous treated roving* may be applied on planted areas, slopes, in ditches or dry waterways to prevent erosion. Bituminous treated roving 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 shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when agitated in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.

Applying Mulch

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

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

Anchoring Mulch

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

1. *Hay and straw* mulch shall be pressed into the soil immediately after the mulch is spread. A special "packer 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. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.

2. *Synthetic tackifiers, binders or hydraulic mulch specifically designed to tack straw,* shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specifications. All tackifiers, binders or hydraulic mulch specifically designed to tack straw should be verified nontoxic through EPA 2021.0 testing. Refer to **Tackifiers-Tac**

3. *Rye or wheat* can be included with Fall and Winter plantings to stabilize the mulch. They shall be applied at a rate of one-quarter to one-half bushel per acre.

4. *Plastic mesh or netting* with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's specifications.

Bedding Material

Mulch is used as a bedding material to conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bare areas on lawns.

Material	Depth
Grain straw	4" to 6"
Grass Hay	4" to 6"
Pine needles	3" to 5"
Wood waste	4" to 6"

Irrigation

Irrigation will be applied at a rate that will not cause runoff.

Topdressing

Topdressing will be applied on all temporary and permanent (perennial) species planted alone or in mixtures with other species. Recommended rates of application are listed in Table 6-5.1.

Second Year and Maintenance Fertilization

Second year fertilizer rates and maintenance fertilizer rates are listed in Table 6-5.1.

Lime Maintenance Application

Apply one ton of agricultural lime every 4 to 6 years or as indicated by soil tests. Soil tests can be conducted to determine more accurate requirements, if desired.

Use and Management

Mow Sericea Lespedeza only after frost to ensure that the seeds are mature. Mow between November and March.

Bermudagrass, Bahiagrass and Tall Fescue may be mowed as desired. Maintain at least 6 inches of top growth under any use and management. Moderate use of top growth is beneficial after establishment.

Exclude traffic until the plants are well established. Because of the quail nesting season, mowing should not take place between May and September.

GSWCC Ds3 (PERMANENT VEGETATION) SPECIFICATIONS (CONTINUED)

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02-26-2021		

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DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 56-013

DISTURBED AREA STABILIZATION (WITH SODDING) Ds4

DEFINITION

A permanent vegetative cover using sods on highly erodible or critically eroded lands.

PURPOSE

- Establish immediate ground cover.
- Reduce runoff and erosion.
- Improve aesthetics and land value.
- Reduce dust and sediments.
- Stabilize waterways, critical areas.
- Filter sediments, nutrients and bugs.
- Reduce downstream complaints.
- Reduce likelihood of legal action.
- Reduce likelihood of work stoppage due to legal action.
- Increase "good neighbor" benefits.

CONDITIONS

This application is appropriate for areas that require immediate vegetative covers, drop inlets, grass swales, and waterways with intermittent flow.

PLANNING CONSIDERATIONS

Sodding can initially be more costly than seeding, but the advantages justify the increased initial costs:

1. Immediate erosion control, green surface, and quick use.
2. Reduced failure as compared to seed as well as the lack of weeds.
3. Can be established nearly year-round.

Sodding is preferable to seed in waterways and swales because of the immediate protection of the channel after application. Sodding must be staked in concentrated flow areas (See Figure 6-6.1).

Consider using sod framed around drop inlets to reduce sediments and maintaining the grade.

CONSTRUCTION SPECIFICATIONS

Soil Preparation

Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces, or gravel type soils.

Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with herbicides or soil sterilants.

Mix fertilizer into soil surface. Fertilize based on soil tests or Table 6-6.1.

Table 6-6.1. Fertilizer Requirements for Soil Surface Application

Fertilizer Type	Fertilizer Rate (lbs/acre)	Fertilizer Rate (lbs/sq ft)	Season
10-10-10	1000	.025	Fall

Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Installation

Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod (See Figure 6-6.2)

On slopes steeper than 3:1, sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil.

Irrigate sod and soil to a depth of 4" immediately after installation.

Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.

MATERIALS

Sod selected should be certified. Sod grown in the general area of the project is desirable.

1. Sod should be machine cut and contain 3/4" (+ or -1/4") of soil, not including shoots or thatch.
2. Sod should be cut to the desired size within + or -5%. Torn or uneven pads should be rejected.
3. Sod should be cut and installed within 36 hours of digging.
4. Avoid planting when subject to frost heave or hot weather, if irrigation is not available.
5. The sod type should be shown on the plans or installed according to Table 6-6.2. See Figure 6-4.1 for your Resource Area.

MAINTENANCE

Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified (See Figure 6-6.2).

Apply one ton of agricultural lime as indicated by soil test or every 4-6 years. Fertilize grasses in accordance with soil tests or Table 6-6.3.

Table 6-6.2 Sod Planting Requirements

Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	M-L,P,C P,C P,C P,C	warm weather
Bahiagrass	Pensacola	P,C	warm weather
Centipede	_	P,C	warm weather
St. Augustine	Common Bitterblue Raleigh	C	warm weather
Zoysia	Emerald Myer	P,C	warm weather
Tall Fescue	Kentucky	M-L,P	cool weather

Table 6-6.3
Fertilizer Requirements for Sod

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
cool season grasses	first second maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30
warm season grasses	first second maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

GSWCC Ds4 (SODDING) SPECIFICATIONS

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THE CITY OF ALPHARETTA PUBLIC WORKS

REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

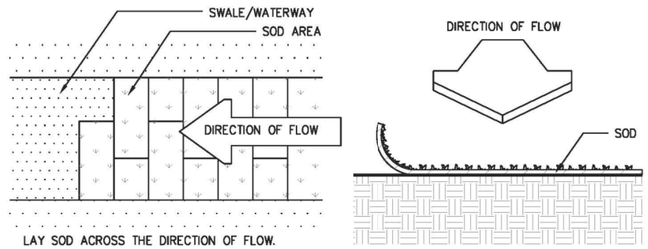
EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

DRAWING No. 56-014

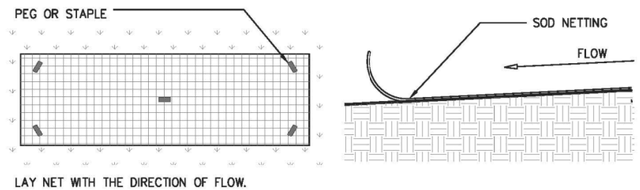
SODDED WATERWAYS

SOD DIRECTIONS



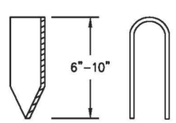
LAY SOD ACROSS THE DIRECTION OF FLOW.

NETTING DIRECTIONS



LAY NET WITH THE DIRECTION OF FLOW.

PEG DETAIL



IN CRITICAL AREAS, SECURE SOD WITH NETTING USING STAPLES.

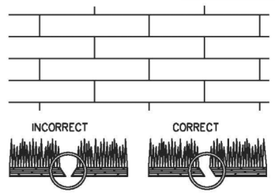
USE PEGS OR STAPLES TO FASTEN SOD FIRMLY -- AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3–4 FEET IF THE STRIPS ARE LONG. WHEN READY TO MOW, DRIVE PEGS OR STAPLES FLUSH WITH THE GROUND.

Source: Va. DSWC

Figure 6-6.1

SOD MAINTENANCE AND INSTALLATION

SOD LAYOUT AND PREPARATION



LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

BUTTING: ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

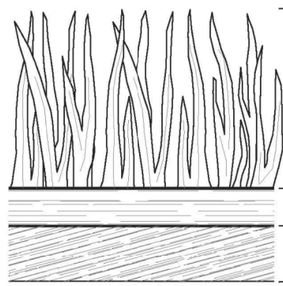
DIRECTIONS FOR INITIAL MAINTENANCE

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2–3 WEEKS. SET THE MOWER HIGH (2"–3").

APPEARANCE OF GOOD SOD



SHOOTS OR GRASS BLADES: GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"–3" CUTTING HEIGHT.

THATCH: GRASS CLIPPINGS AND DEAD LEAVES (UP TO 1/2" THICK).

ROOT ZONE: SOIL AND ROOTS. SHOULD BE 1/2"–3/4" THICK WITH DENSE ROOT MAT FOR STRENGTH.

Source: Va. DSWC

Figure 6-6.2

GSWCC Ds4 (SODDING) SPECIFICATIONS (CONTINUED)

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REVISION DATES

02-26-2021		

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

DAVIS DRIVE EXTENSION
ALPHARETTA, GEORGIA (FULTON COUNTY)

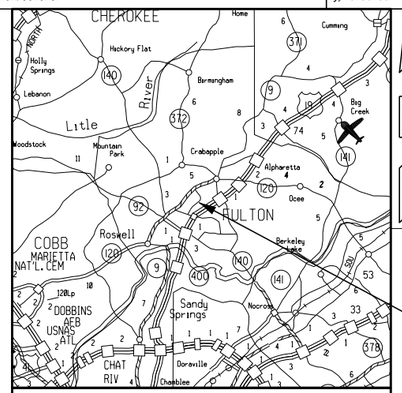
DRAWING No. 56-015

01/26/2015 GPLN

2/23/2021 william.scherer	GPLOT-V8 gplotborder-V81-PO.tbl	0000953_60-001.dgn GAWCOV	STATE GA	PO NUMBER 15000075	SHEET NO. 1	TOTAL SHEETS 10

CITY OF ALPHARETTA, GEORGIA
DEPARTMENT OF PUBLIC WORKS

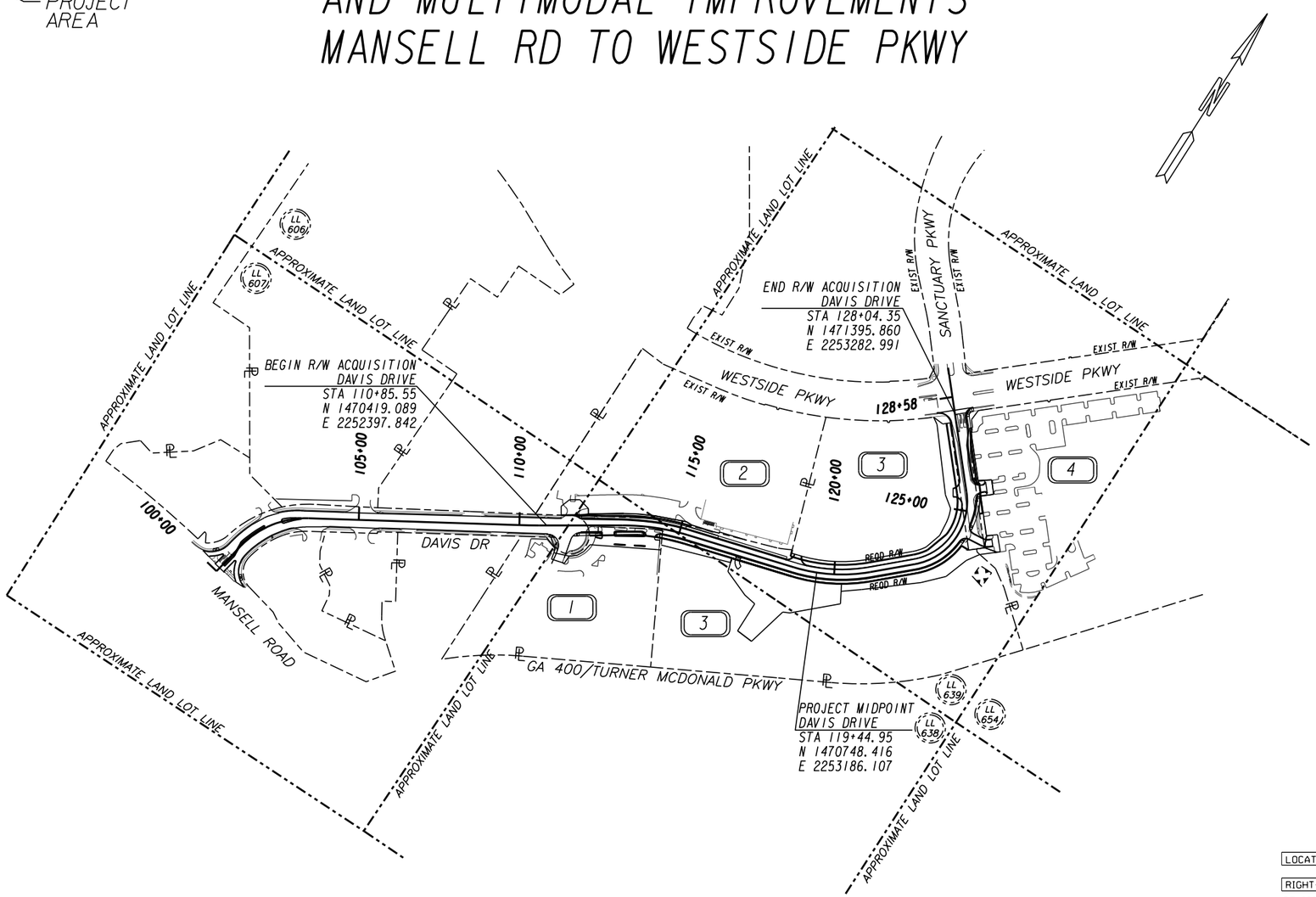
RIGHT OF WAY OF PROPOSED DAVIS DRIVE EXTENSION AND MULTIMODAL IMPROVEMENTS MANSELL RD TO WESTSIDE PKWY



PROJECT AREA

LOCATION SKETCH

NOTE: THE CO-ORDINATES LISTED ARE WEST ZONE GRID CO-ORDINATES BASED ON THE GA. STATE PLANE CO-ORDINATE SYSTEM OF 1984.
HORIZONTAL DATUM : NAD 83/94 HARN
VERTICAL DATUM : NAVD 1988



CONVENTIONAL SIGNS

- STATE OR COUNTY LINE.....
- CITY LIMIT LINE.....
- LAND LOT LINE.....
- PROPERTY LINE.....
- SURVEY OR BASE LINE.....
- RIGHT OF WAY LINE
  - EXISTING.....
  - REQUIRED.....
  - LIMIT OF ACCESS.....
  - REQD R/W & LIMIT OF ACCESS .
  - R/W MARKERS.....
- FENCE.....
- RAILROAD.....
- POWER LINE.....
- TELEPHONE LINE.....
- POWER POLES.....
- TELEPHONE OR TELEGRAPH POLES.....

AECOM
ONE MIDTOWN CENTER
1360 PEACHTREE ST. N.E., SUITE 500
ATLANTA, GEORGIA 30309
TEL: (404) 965-9600 FAX: (404) 965-9605

THE CITY OF ALPHARETTA PUBLIC WORKS

COUNTY: FULTON

SCALE IN FEET
0 200 400 800

LENGTH OF RIGHT OF WAY PROJECT	COUNTY NO. 121
	MILES
NET LENGTH OF RIGHT OF WAY	0.325
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF RIGHT OF WAY	0.325

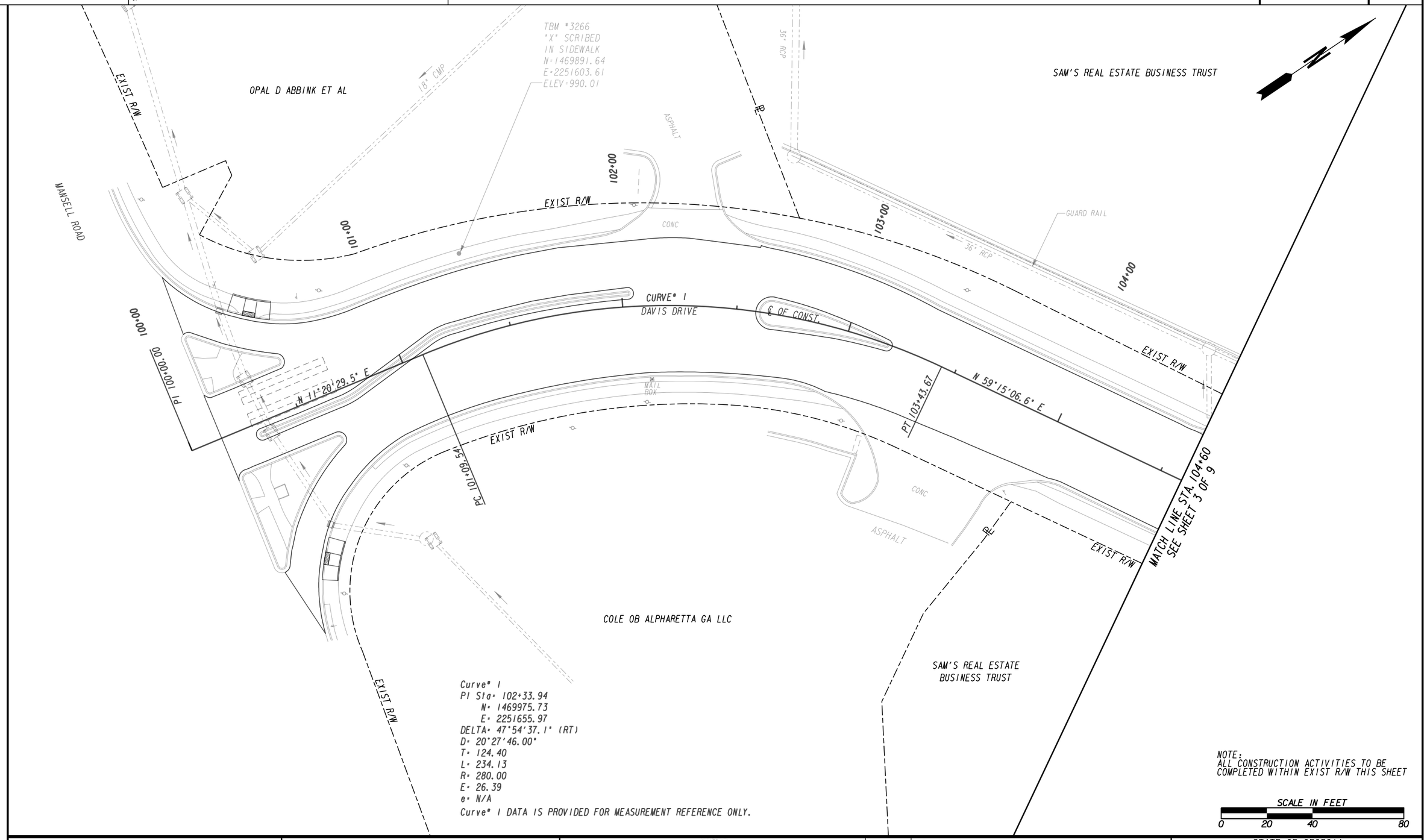
THIS PROJECT IS LOCATED 100% IN FULTON COUNTY AND CONGRESSIONAL DISTRICT 6.

LOCATION AND DESIGN APPROVAL DATE:

RIGHT-OF-WAY PLANS COMPLETED DATE: 07/13/18

REVISIONS:

12/05/18	SHTS. 60-004 & 60-006
12/30/19	SHTS. 60-001, 60-004, 60-005, & 60-009
02/27/20	SHTS. 60-001, 60-004, 60-005, 60-006, 60-007, 60-008 & 60-009
02/17/21	SHTS. 60-001, 60-008, 60-009 & 60-010
02/18/21	SHTS. 60-001, 60-004, 60-005, 60-006 & 60-009



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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRON. SENSITIVE AREA BOUNDARY

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THE CITY OF ALPHARETTA
PUBLIC WORKS

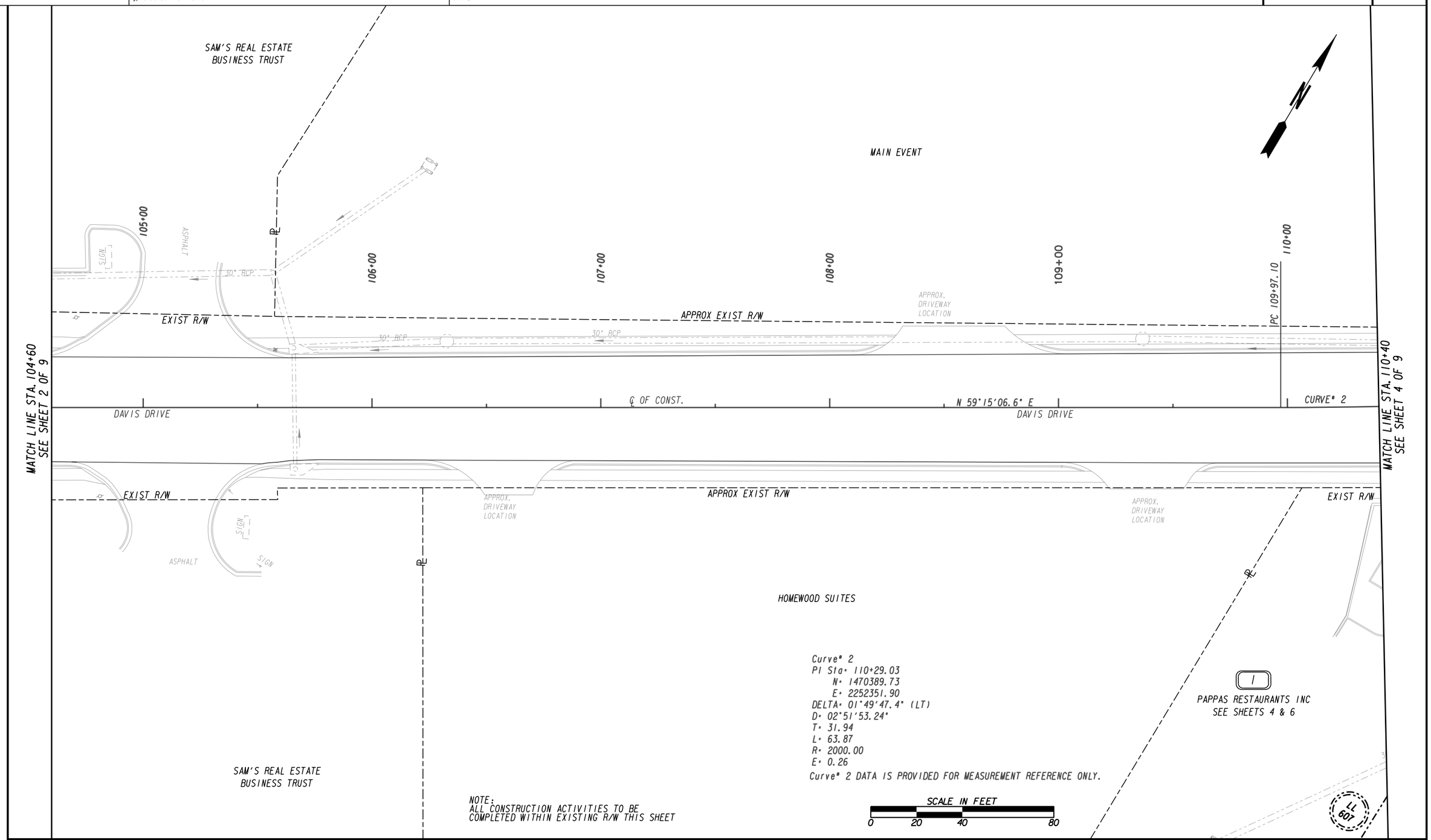
DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 607
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 2 OF 10

DRAWING No. 60-002



Curve# 2
PI Sta: 110+29.03
N: 1470389.73
E: 2252351.90
DELTA: 01°49'47.4" (LT)
D: 02°51'53.24"
T: 31.94
L: 63.87
R: 2000.00
E: 0.26
Curve# 2 DATA IS PROVIDED FOR MEASUREMENT REFERENCE ONLY.

NOTE:
ALL CONSTRUCTION ACTIVITIES TO BE
COMPLETED WITHIN EXISTING R/W THIS SHEET

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRON. SENSITIVE AREA BOUNDARY

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THE CITY OF ALPHARETTA PUBLIC WORKS

DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 607
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 3 OF 10

DRAWING No. 60-003

MAIN EVENT

LL 606 | LL 639 | LL 607

APPROXIMATE LAND LOT LINE

2
ALPHARETTA FAMILY SKATE CENTER
SEE SHEETS 5 & 6

Curve° 3
PI Sta: 114+24.36
N: 1470602.59
E: 2252685.02
DELTA: 16°54'16.8" (RT)
D: 08°18'13.45"
T: 102.53
L: 203.58
R: 690.00
E: 7.58
e: 2.6%

BEGIN R/W ACQUISITION
DAVIS DRIVE
STA 110+85.55
N 1470419.089
E 2252397.842

PT 110+60.97

MATCH LINE STA. 110+40
SEE SHEET 3 OF 9

RW17003 | RW17004 | DWESMT | RW17002 | RW17010 | RW15008 | RW17005 | RW16008 | TESMT | RW16009 | RW16010 | TESMT | RW16011 | REQD R/W | RW15009 | RW15010 | RW15011 | RW16012 | RW15012 | RW15013 | RW16013

111+00 | 112+00 | 113+00 | 114+00 | 115+00

AREA 1 | 114 | 116 | 117 | CONC APRON | ASPHALT

N 57°25'19.2" E | ℄ OF CONST. | DAVIS DRIVE

DW01 +40 | DW02a +15 | DW02b +13 | DW03 +16 | DW04 +12

CURVE° 3 | 138 | 140 | 141 | 142 | 143

RW15005 | RW15003 | RW15001 | REQD R/W | RW15028 | RW15027 | N 74°19'36.1" E | DAVIS DRIVE

145 | RW16007 | RW15014 | TESMT | DO NOT DISTURB | RW16001 | RW16006 | RW16005 | DO NOT DISTURB | RW16002 | RW16003 | RW17001 | DWESMT | RW17000 | RW16004

EX. CONC MSE WALL | CONC

PC 113+21.82

TESMT | RW16038 | RW16000 | AREA 3 | TESMT | REQD R/W

PT 115+25.40
N 1470630.292
E 2252783.743

MATCH LINE STA. 115+80
SEE SHEET 5 OF 9

3
ROCK MILL 400 LP
SEE SHEETS 5, 7, 8 & 9

EXISTING CONCRETE PARKING LOT

1
PAPPAS RESTAURANTS INC
SEE SHEETS 3 & 6

APPROXIMATE LAND LOT LINE | LL 638

SCALE IN FEET
0 20 40 80

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRON. SENSITIVE AREA BOUNDARY

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

THE CITY OF ALPHARETTA
PUBLIC WORKS

DATE	REVISIONS
12/05/18	REVISED PAR 1 REQD R/W & TEMP EASM'T
12/30/19	REVISED PAR 1 REQD R/W & TEMP EASM'T ADDED PAR 6 REQD R/W
02/27/20	REVISED PROPERTY LINES, REVISED PAR 1, 2 & 3
	DELETED PAR 5 & 6
02/18/21	REVISED PAR 1 & 3 REQ'D R/W & TEMP. EASM'T

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 607, 638, 639
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 4 OF 10

DRAWING No. 60-004

7/31/2015 GRWPLN

2 ALPHARETTA FAMILY SKATE CENTER SEE SHEETS 4 & 6

3 ROCK MILL 400 LP SEE SHEETS 4, 7, 8 & 9

MATCH LINE STA. 115+80 SEE SHEET 4 OF 9

MATCH LINE STA. 120+80 SEE SHEET 7 OF 9

116+00 | 117+00 | 118+00 | 119+00 | 120+00

CONC BLOCK WALL

AREA 1 | AREA 2 | AREA 3 | AREA 4

RW16014 | RW16015 | RW16016 | RW16017 | RW16018 | RW16031 | RW16032 | RW16033 | RW16034 | RW16035 | RW16036 | RW16037 | RW16053 | RW16054 | RW16055 | RW16056 | RW16057 | RW16058 | RW16059 | RW15015 | RW15016 | RW15026

TESMT

N 1470724.263
E 2253118.656
PC 118+73.25

STA 116+60.00
N 1470666.654
E 2252913.338
N 74°19'36.1" E

DAVIS DRIVE | ℄ OF CONST.

DW05 +98 | DW06 +16

REQD R/W

CURVE° 4

6' CHAIN-LINK FENCE
16' GATE

+1073.00 | +1072.00 | +1063.00

SAFETY BENCH 6'
AQUATIC BENCH 6'

R18' | R15' | R40' | R5' | R45'

12'

Curve° 4
PI Sta. 119+95.49
N. 1470757.29
E. 2253236.35
DELTA. 26°57'25.8" (LT)
D. 11°14'04.08"
T. 122.24
L. 239.95
R. 510.00
E. 14.44
e. 3.0%

LL 639 | LL 638

APPROXIMATE LAND LOT LINE

SCALE IN FEET
0 20 40 80

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRON. SENSITIVE BOUNDARY AREA

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

THE CITY OF ALPHARETTA PUBLIC WORKS

DATE	REVISIONS
02/27/20	REVISED PROPERTY LINES, REVISED PAR 2 & 3
02/18/21	REVISED PAR 3 REQ'D & TEMP. EASM'T

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 638, 639
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 5 OF 10

DRAWING No. 60-005

(1)

PAPPAS RESTAURANT INC
SEE SHEETS 3 & 4

PAR 1 REQ'D R/W RW15000

PNT	OFFSET/ DIST		STATION/ BEARING	ALIGNMENT
143	23.99	R	112+17.92	Davis Dr
	27.03		N 59°19'07.2" E	
142	24.88	R	112+44.93	Davis Dr
	20.00		N 30°40'45.8" W	
141	4.90	R	112+45.60	Davis Dr
	140.17		N 59°19'14.2" E	
140	6.55	R	113+86.39	Davis Dr

ARC LENGTH = 60.02
CHORD BEAR = N 63°00'12.2" E
LNTH CHORD = 59.98
RADIUS = 466.93
DEGREE = 12°16'14.5"

138	4.15	R	114+46.81	Davis Dr
	24.96		S 27°37'59.3" E	
RW15028	29.00	R	114+49.28	Davis Dr
	14.68		S 71°16'34.8" W	
RW15001	28.00	R	114+34.00	Davis Dr
	57.55		S 64°14'45.3" W	
RW15003	28.00	R	113+74.00	Davis Dr
	50.84		S 57°18'00.9" W	
RW15005	30.00	R	113+21.00	Davis Dr
	102.94		S 56°18'26.3" W	
RW15014	32.00	R	112+18.08	Davis Dr

ARC LENGTH = 8.02
CHORD BEAR = N 33°45'21.3" W
LNTH CHORD = 8.02
RADIUS = 59.99
DEGREE = 95°30'08.7"

143	23.99	R	112+17.92	Davis Dr

REQD R/W = 4842.30 SF
REQD R/W = 0.111 ACRES
REMAINDER = +/- 4.7 ACRES

PAR 1 REQ'D TEMP. EASM'T. RW16000

PNT	OFFSET/		STATION/	ALIGNMENT
RW16007	36.60	R	110+83.55	Davis Dr
145	37.03	R	110+98.67	Davis Dr

ARC LENGTH = 177.89
CHORD BEAR = N 55°00'35.4" E
LNTH CHORD = 119.52
RADIUS = 59.99
DEGREE = 95°30'08.4"

RW15014	32.00	R	112+18.08	Davis Dr
RW15005	30.00	R	113+21.00	Davis Dr
RW15003	28.00	R	113+74.00	Davis Dr
RW15001	28.00	R	114+34.00	Davis Dr
RW15028	29.00	R	114+49.28	Davis Dr
RW16000	65.05	R	114+53.21	Davis Dr
RW16001	60.00	R	112+20.00	Davis Dr
RW16002	82.00	R	112+00.00	Davis Dr
RW16003	93.00	R	111+80.00	Davis Dr
RW16004	96.00	R	111+55.00	Davis Dr
RW16005	85.00	R	111+07.00	Davis Dr
RW16006	72.00	R	111+12.00	Davis Dr
RW16007	36.60	R	110+83.55	Davis Dr

REQD EASMT AREA = 9351.92 SF

PAR 1 REQ'D DRWY. EASM'T. RW17000

PNT	OFFSET/		STATION/	ALIGNMENT
RW16005	85.00	R	111+07.00	Davis Dr
RW16004	96.00	R	111+55.00	Davis Dr
RW17000	118.00	R	111+40.00	Davis Dr
RW17001	105.00	R	111+00.00	Davis Dr
RW16005	85.00	R	111+07.00	Davis Dr

(2)

ALPHARETTA FAMILY SKATE CENTER
SEE SHEETS 4 & 5

PAR 2 REQ'D R/W RW15001

PNT	OFFSET/ DIST		STATION/ BEARING	ALIGNMENT
RW15008	31.72	L	111+29.81	Davis Dr
	61.19		N 57°09'51.6" E	
RW15009	32.00	L	111+91.00	Davis Dr
	79.03		N 58°52'20.0" E	
RW15010	30.00	L	112+70.00	Davis Dr
	51.82		N 57°25'19.2" E	
RW15011	30.00	L	113+21.82	Davis Dr

ARC LENGTH = 212.43
CHORD BEAR = N 65°52'27.7" E
LNTH CHORD = 211.66
RADIUS = 720.00
DEGREE = 7°57'27.9"

RW15012	30.00	L	115+25.40	Davis Dr
	4.85		N 74°19'36.1" E	
RW15013	30.00	L	115+30.25	Davis Dr
	43.87		S 71°41'34.3" W	
114	29.04	L	114+87.99	Davis Dr

ARC LENGTH = 107.74
CHORD BEAR = S 65°29'08.9" W
LNTH CHORD = 107.53
RADIUS = 497.28
DEGREE = 11°31'18.7"

116	26.33	L	113+84.54	Davis Dr
	226.86		S 59°16'43.5" W	
117	30.73	L	111+60.10	Davis Dr
	30.31		S 59°18'36.2" W	
RW15008	31.72	L	111+29.81	Davis Dr

REQD R/W = 976.69 SF
REQD R/W = 0.022 ACRES
REMAINDER = +/- 7.4 ACRES

PAR 2 REQ'D TEMP. EASM'T. RW16001 AREA 1

PNT	OFFSET/		STATION/	ALIGNMENT
RW15009	32.00	L	111+91.00	Davis Dr
RW16008	36.00	L	112+15.00	Davis Dr
RW16009	37.00	L	113+25.00	Davis Dr
RW16010	37.00	L	113+70.00	Davis Dr
RW16011	37.00	L	114+14.00	Davis Dr
RW16012	39.00	L	115+13.00	Davis Dr
RW16013	34.00	L	115+30.80	Davis Dr
RW16014	33.09	L	115+97.36	Davis Dr
RW15013	30.00	L	115+30.25	Davis Dr
RW15012	30.00	L	115+25.40	Davis Dr

ARC LENGTH = 212.43
CHORD BEAR = S 65°52'27.7" W
LNTH CHORD = 211.66
RADIUS = 720.00
DEGREE = 7°57'27.9"

RW15011	30.00	L	113+21.82	Davis Dr
RW15010	30.00	L	112+70.00	Davis Dr
RW15009	32.00	L	111+91.00	Davis Dr

REQD EASMT AREA = 2314.06 SF

PAR 2 REQ'D TEMP. EASM'T. RW16008 AREA 2

PNT	OFFSET/		STATION/	ALIGNMENT
RW16015	34.08	L	116+19.00	Davis Dr
RW16016	38.00	L	116+19.00	Davis Dr
RW16017	38.00	L	117+04.16	Davis Dr
RW16015	34.08	L	116+19.00	Davis Dr

REQD EASMT AREA = 166.80 SF

TOTAL REQD TEMP. EASM'T. AREA = 2480.86 SF

(2)

ALPHARETTA FAMILY SKATE CENTER
SEE SHEETS 4 & 5

PAR 2 REQ'D DRWY. EASM'T. RW17001

PNT	OFFSET/		STATION/	ALIGNMENT
RW17010	31.73	L	111+30.00	Davis Dr
RW17002	59.00	L	111+30.00	Davis Dr
RW17003	80.00	L	111+56.00	Davis Dr
RW17004	80.00	L	111+88.00	Davis Dr
RW17005	52.00	L	112+15.00	Davis Dr
RW16008	36.00	L	112+15.00	Davis Dr
RW15009	32.00	L	111+91.00	Davis Dr
RW17010	31.73	L	111+30.00	Davis Dr

AECOM
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THE CITY OF ALPHARETTA
PUBLIC WORKS

DATE	REVISIONS
12/05/18	REVISED PAR 1 REQD R/W AND TEMP EASM'T TABLES
12/30/19	REVISED PAR 1 REQD R/W AND TEMP EASM'T TABLES
02/27/20	REVISED PAR 1 & 2, MOVED PAR 3 TO DWG. NO. 60-009
02/18/21	REVISED PAR 1 REQD R/W AND TEMP. EASM'T

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY TABLE

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 607, 638, 639
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 6 OF 10

DRAWING No. 60-006

Curve# 5
PI Sta= 124+45.57
N= 1471065.18
E= 2253570.82
DELTA= 88°24'23.9" (LT)
D= 28°56'14.14"
T= 192.57
L= 305.51
R= 198.00
E= 78.20
e= 4.0%

3
ROCK MILL 400 LP
SEE SHEETS 4, 5, 8 & 9

MATCH LINE STA. 124+80
SEE SHEET 8 OF 9

PC 122+53.00
N 1470934.758
E 2253429.143

PT 121+13.20
N 1470840.075
E 2253326.285

121+00
122+00
123+00
124+00

RW16024
RW15020
RW16023
RW16022
RW15019
RW16021
RW16020
RW15017
RW15018
RW15023
RW15025
RW15024
RW16028
RW16029
RW16030
RW16031

AREA 2
AREA 4
AREA 1

REQD R/W
TESMT
EXIST R/W
CURVE# 5
℄ OF CONST.
N 47°22'10.3" E
DAVIS DRIVE

RW16050
RW17006
RW16042
RW17007
DWESMT
ASPHALT

127
128
129
RW16027
168

Curve# 4
PI Sta= 119+95.49
N= 1470757.29
E= 2253236.35
DELTA= 26°57'25.8" (LT)
D= 11°14'04.08"
T= 122.24
L= 239.95
R= 510.00
E= 14.44
e= 3.0%

3
ROCK MILL 400 LP
SEE SHEETS 4, 5, 8 & 9

ESA BOUNDARY

4
30 WEST PERSHING LLC
SEE SHEETS 8 & 10

EXISTING TOP OF RETAINING WALL

LL 639
LL 654
APPROXIMATE LAND LOT LINE

SCALE IN FEET
0 20 40 80

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRON. SENSITIVE AREA BOUNDARY

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
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THE CITY OF
ALPHARETTA
PUBLIC WORKS

DATE	REVISIONS
02/27/20	REVISED PROPERTY LINES, REVISED PAR 3 & 4

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 639
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 7 OF 10

DRAWING No.
60-007

Curve* 5
PI Sta* 124+45.57
N* 1471065.18
E* 2253570.82
DELTA* 88°24'23.9" (LT)
D* 28°56'14.14"
T* 192.57
L* 305.51
R* 198.00
E* 78.20
e* 4.0%

3
ROCK MILL 400 LP
SEE SHEETS 4, 5, 7 & 9

END R/W ACQUISITION
DAVIS DRIVE
STA 128+04.35
N 1471395.860
E 2253282.991

SANCTUARY PARK REALTY HOLDING COMPANY

MATCH LINE STA. 124+80
SEE SHEET 7 OF 9

PT 125+58.51
N 1471210.431
E 2253444.392

125+00 | 126+00 | 127+00 | 128+00 | 129+00 | 129+50

AREA 2 | TESMT | REQD R/W

RW16025 | RW16051 | RW16052 | RW15021 | RW15022 | 124 | 125 | 126

DAVIS DRIVE
℄ OF CONST.
N 41°02'13.7" W

DW08 +63 60RT

TBM #3267
"X" SCRIBED
IN CONCRETE
N:1471378.52
E:2253304.74
ELEV:1066.00

ASPHALT | EXIST. CONC. APRON | RETAIN

WESTSIDE PARKWAY

SANCTUARY PARKWAY

RETROFIT TO MANHOLE ADJUST TOGRADE

150 | 152 | 169

RW15032 | RW15033 | RW16049 | RW15034 | RW15035 | RW17013 | RW16060 | RW15037 | RW15036 | RW17009 | RW17008 | DWESMT | AREA 3 | RW15038 | RW15039 | RW15040 | RW15041

4
30 WEST PERSHING LLC
SEE SHEETS 7 & 10

SCALE IN FEET
0 20 40 80

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ENVIRON. SENSITIVE AREA BOUNDARY

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THE CITY OF ALPHARETTA
PUBLIC WORKS

DATE	REVISIONS
02/27/20	REVISED PROPERTY LINES, REVISED PAR 3 & 4
02/17/21	ADDED PAR 4 REQ'D; REVISED TEMP. EASM'T & DRIVEWAY EASM'T

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MAP

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 639
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 8 OF 10

DRAWING No. 60-008

3

ROCK MILL 400 LP
SEE SHEETS 4, 5 & 7

****

PAR 3 REQ'D R/W RW15002

****

PNT	OFFSET/ DIST		STATION/ BEARING	ALIGNMENT
117	30.73	L	111+60.10	Davis Dr
	226.86		N 59°16'43.5" E	
116	26.33	L	113+84.54	Davis Dr

ARC LENGTH = 107.74
CHORD BEAR = N 65°29'08.9" E
LNTH CHORD = 107.53
RADIUS = 497.28
DEGREE = 11°31'18.7"

114	29.04	L	114+87.99	Davis Dr
	305.31		N 71°41'34.3" E	
113	42.01	L	117+91.42	Davis Dr

ARC LENGTH = 60.72
CHORD BEAR = N 65°53'36.3" E
LNTH CHORD = 60.62
RADIUS = 299.96
DEGREE = 19°06'05.0"

111	50.90	L	118+51.38	Davis Dr
	20.93		S 18°15'38.5" E	
RW15015	30.00	L	118+52.33	Davis Dr
	20.92		N 74°19'36.1" E	
RW15016	30.00	L	118+73.25	Davis Dr

ARC LENGTH = 225.84
CHORD BEAR = N 60°50'53.2" E
LNTH CHORD = 223.76
RADIUS = 480.00
DEGREE = 11°56'11.8"

RW15017	30.00	L	121+13.20	Davis Dr
	139.80		N 47°22'10.3" E	
RW15018	30.00	L	122+53.00	Davis Dr

ARC LENGTH = 48.36
CHORD BEAR = N 39°07'21.0" E
LNTH CHORD = 48.20
RADIUS = 167.79
DEGREE = 34°08'50.9"

RW15019	30.00	L	123+10.00	Davis Dr
	75.71		N 17°51'13.3" E	
RW15020	30.00	L	124+00.00	Davis Dr

ARC LENGTH = 134.51
CHORD BEAR = N 18°06'09.3" W
LNTH CHORD = 130.93
RADIUS = 167.68
DEGREE = 34°10'09.5"

RW15021	30.00	L	125+58.51	Davis Dr
	220.83		N 41°02'13.7" W	
RW15022	30.00	L	127+79.34	Davis Dr
	10.86		N 49°15'03.5" E	
126	19.14	L	127+79.28	Davis Dr
	400.06		S 40°56'04.8" E	
127	54.75	R	124+02.37	Davis Dr
	25.91		S 88°07'49.1" W	
RW15023	29.00	R	124+00.00	Davis Dr

ARC LENGTH = 168.53
CHORD BEAR = S 26°06'02.6" W
LNTH CHORD = 164.69
RADIUS = 227.01
DEGREE = 25°14'20.0"

RW15024	29.00	R	122+53.00	Davis Dr
	139.80		S 47°22'10.3" W	
RW15025	29.00	R	121+13.20	Davis Dr

ARC LENGTH = 253.59
CHORD BEAR = S 60°50'53.2" W
LNTH CHORD = 251.26
RADIUS = 539.00
DEGREE = 10°37'48.1"

RW15026	29.00	R	118+73.25	Davis Dr
	347.85		S 74°19'36.1" W	
RW15027	29.00	R	115+25.40	Davis Dr

ARC LENGTH = 72.92
CHORD BEAR = S 71°09'58.7" W
LNTH CHORD = 72.88
RADIUS = 661.00
DEGREE = 8°40'05.0"

RW15028	29.00	R	114+49.28	Davis Dr
	24.96		N 27°37'59.3" W	
138	4.15	R	114+46.81	Davis Dr

3

ROCK MILL 400 LP
CONTINUED
SEE SHEETS 4, 5 & 7

ARC LENGTH = 60.02
CHORD BEAR = S 63°00'12.2" W
LNTH CHORD = 59.98
RADIUS = 466.93
DEGREE = 12°16'14.5"

140	6.55	R	113+86.39	Davis Dr
	140.17		S 59°19'14.2" W	
141	4.90	R	112+45.60	Davis Dr
	20.00		S 30°40'45.8" E	
142	24.88	R	112+44.93	Davis Dr
	27.03		S 59°19'07.2" W	
143	23.99	R	112+17.92	Davis Dr

ARC LENGTH = 87.04
CHORD BEAR = N 79°09'28.7" W
LNTH CHORD = 79.60
RADIUS = 59.99
DEGREE = 95°30'04.1"

117	30.73	L	111+60.10	Davis Dr

REQD R/W = 75068.40 SF
REQD R/W = 1.723 ACRES
REMAINDER = +/- 13 ACRES

****

PAR 3 REQ'D EASM'T. RW16009 AREA 1

****

PNT	OFFSET/ DIST		STATION/ BEARING	ALIGNMENT
RW16036	29.00	R	116+79.46	Davis Dr
	193.79		N 74°19'36.1" E	
RW15026	29.00	R	118+73.25	Davis Dr

ARC LENGTH = 157.99
CHORD BEAR = N 65°55'47.2" E
LNTH CHORD = 157.42
RADIUS = 539.00
DEGREE = 10°37'48.1"

RW16033	29.00	R	120+22.73	Davis Dr
	62.26		S 29°16'35.4" E	
RW16059	91.17	R	120+19.79	Davis Dr
	160.07		S 47°13'30.5" W	
RW16058	140.05	R	118+95.13	Davis Dr
	22.15		S 64°05'59.5" W	
RW16057	143.41	R	118+77.99	Davis Dr
	132.88		S 14°15'32.7" W	
RW16034	258.54	R	118+13.02	Davis Dr
	54.70		N 85°31'57.1" W	
RW16035	239.71	R	117+61.67	Davis Dr
	99.26		N 0°03'22.5" W	
RW16056	144.11	R	117+88.39	Davis Dr
	40.87		N 80°33'42.1" W	
RW16055	126.77	R	117+51.38	Davis Dr
	90.21		N 68°32'47.9" W	
RW16054	72.32	R	116+79.46	Davis Dr
	43.32		N 15°40'23.9" W	
RW16036	29.00	R	116+79.46	Davis Dr

REQD EASMT = 41435.49 SF
REQD EASMT = 0.951 ACRES

****

PAR 3 REQ'D TEMP. EASM'T. RW16003 AREA 2

****

PNT	OFFSET/		STATION/	ALIGNMENT
RW15015	30.00	L	118+52.33	Davis Dr
RW16018	40.00	L	118+51.88	Davis Dr
RW16053	40.00	L	118+73.25	Davis Dr

ARC LENGTH = 220.95
CHORD BEAR = N 60°51'32.7" E
LNTH CHORD = 218.92
RADIUS = 470.00
DEGREE = 12°11'26.1"

RW16020	40.00	L	121+13.00	Davis Dr
RW16021	40.00	L	122+53.00	Davis Dr

ARC LENGTH = 45.49
CHORD BEAR = N 39°07'21.4" E
LNTH CHORD = 45.33
RADIUS = 157.79
DEGREE = 36°18'41.8"

RW16022	40.00	L	123+10.00	Davis Dr
RW16023	44.00	L	123+80.00	Davis Dr
RW16024	50.00	L	124+35.00	Davis Dr

ARC LENGTH = 48.59
CHORD BEAR = N 14°42'02.6" W
LNTH CHORD = 48.37
RADIUS = 148.00
DEGREE = 38°42'48.1"

RW16025	50.00	L	125+00.00	Davis Dr
RW16051	66.00	L	125+60.00	Davis Dr
RW16052	60.00	L	127+80.00	Davis Dr
124	66.98	L	128+04.35	Davis Dr
125	41.94	L	127+79.40	Davis Dr
RW15022	30.00	L	127+79.34	Davis Dr
RW15021	30.00	L	125+58.51	Davis Dr

ARC LENGTH = 134.51
CHORD BEAR = S 18°06'09.3" E
LNTH CHORD = 130.93
RADIUS = 167.68
DEGREE = 34°10'09.5"

RW15020	30.00	L	124+00.00	Davis Dr
RW15019	30.00	L	123+10.00	Davis Dr

ARC LENGTH = 48.36
CHORD BEAR = S 39°07'21.0" W
LNTH CHORD = 48.20
RADIUS = 167.79
DEGREE = 34°08'50.9"

RW15018	30.00	L	122+53.00	Davis Dr
RW15017	30.00	L	121+13.20	Davis Dr

ARC LENGTH = 225.84
CHORD BEAR = S 60°50'53.2" W
LNTH CHORD = 223.76
RADIUS = 480.00
DEGREE = 11°56'11.8"

RW15016	30.00	L	118+73.25	Davis Dr
RW15015	30.00	L	118+52.33	Davis Dr

REQD EASMT AREA = 15543.55 SF

****

PAR 3 REQ'D TEMP. EASM'T. RW16004 AREA 3

****

PNT	OFFSET/	STATION/	ALIGNMENT
RW15028	29.00 R	114+49.28	Davis Dr

ARC LENGTH = 72.92
CHORD BEAR = N 71°09'58.7" E
LNTH CHORD = 72.88
RADIUS = 661.00
DEGREE = 8°40'05.0"

RW15027	29.00 R	115+25.40	Davis Dr
RW16036	29.00 R	116+79.46	Davis Dr
RW16037	42.98 R	116+79.46	Davis Dr
RW16038	49.98 R	114+51.51	Davis Dr
RW15028	29.00 R	114+49.28	Davis Dr

REQD EASMT AREA = 4262.38 SF

3

ROCK MILL 400 LP
CONTINUED
SEE SHEETS 4, 5 & 7

****

PAR 3 REQ'D TEMP. EASM'T. RW16010 AREA 4

****

PNT	OFFSET/		STATION/	ALIGNMENT
RW16033	29.00	R	120+22.73	Davis Dr

ARC LENGTH = 95.61
CHORD BEAR = N 52°27'04.3" E
LNTH CHORD = 95.48
RADIUS = 539.00
DEGREE = 10°37'48.1"

RW15025	29.00	R	121+13.20	Davis Dr
RW15024	29.00	R	122+53.00	Davis Dr

ARC LENGTH = 168.53
CHORD BEAR = N 26°06'02.6" E
LNTH CHORD = 164.69
RADIUS = 227.01
DEGREE = 25°14'20.0"

RW15023	29.00	R	124+00.00	Davis Dr
127	54.75	R	124+02.37	Davis Dr
128	72.90	R	124+15.30	Davis Dr
129	79.56	R	124+09.94	Davis Dr
RW16027	90.58	R	124+08.98	Davis Dr
RW16028	70.00	R	123+80.00	Davis Dr
RW16029	70.00	R	123+20.00	Davis Dr
RW16030	60.00	R	122+60.00	Davis Dr
RW16031	50.00	R	120+80.00	Davis Dr
RW16032	52.28	R	120+21.56	Davis Dr
RW16033	29.00	R	120+22.73	Davis Dr

REQD EASMT AREA = 13110.06 SF

TOTAL REQD TEMP. EASM'T. AREA = 32915.99 SF

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

THE CITY OF ALPHARETTA PUBLIC WORKS

DATE	REVISIONS
12/30/19	ADDED PAR 6 REQD R/W
02/27/20	MOVED PAR 3 FROM DWG. NO. 60-006, REVISED PAR 3 & 4, DELETED PAR 5 & 6
02/17/21	MOVED PAR 4 FROM DWG. NO. 60-009 TO 60-010
02/18/21	REVISED PAR 3 REQ'D R/W & TEMP. EASM'T

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY TABLE

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 639
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 9 OF 10

DRAWING No. 60-009

4

30 WEST PERSHING LLC
SEE SHEETS 7 & 8

PAR 4 REQ'D R/W RW15003

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
RW15032	41.57 R	124+97.64	Davis Dr
	192.31	N 40°54'36.4" W	
150	30.77 R	126+78.33	Davis Dr
	40.72	N 31°21'12.0" W	
152	37.62 R	127+18.47	Davis Dr
	35.71	N 39°00'16.4" W	
169	38.88 R	127+54.17	Davis Dr
	5.98	N 49°06'08.5" E	
RW15041	44.86 R	127+54.15	Davis Dr
	8.15	S 40°49'39.2" E	
RW15040	44.83 R	127+46.00	Davis Dr
	6.87	S 11°14'55.5" E	
RW15039	41.42 R	127+40.04	Davis Dr
	40.43	S 33°05'25.7" E	
RW15038	35.83 R	127+00.00	Davis Dr
	119.00	S 41°02'13.7" E	
RW15037	35.83 R	125+81.00	Davis Dr
	7.17	N 48°57'46.3" E	
RW15036	43.00 R	125+81.00	Davis Dr
	34.06	S 40°34'09.9" E	
RW15035	43.00 R	125+49.00	Davis Dr
	6.35	S 22°11'45.0" E	
RW15034	41.32 R	125+43.95	Davis Dr
	54.94	S 40°33'03.7" E	
RW15033	51.00 R	125+00.00	Davis Dr
	9.87	S 49°05'23.6" W	
RW15032	41.57 R	124+97.64	Davis Dr

REQD R/W = 1750.81 SF
REQD R/W = 0.040 ACRES
REMAINDER = +/- 16 ACRES

PAR 4 REQ'D TEMP. EASM'T. RW16006 AREA 1

PNT	OFFSET/	STATION/	ALIGNMENT
128	72.90 R	124+15.30	Davis Dr
168	92.24 R	124+26.52	Davis Dr
RW16042	133.21 R	124+31.00	Davis Dr
RW16027	90.58 R	124+08.98	Davis Dr
129	79.56 R	124+09.94	Davis Dr
128	72.90 R	124+15.30	Davis Dr

REQD EASMT AREA = 778.02 SF

PAR 4 REQ'D TEMP. EASM'T. RW16007 AREA 2

PNT	OFFSET/	STATION/	ALIGNMENT
168	92.24 R	124+26.52	Davis Dr
RW15032	41.57 R	124+97.64	Davis Dr
RW15033	51.00 R	125+00.00	Davis Dr
RW15034	41.32 R	125+43.95	Davis Dr
RW16049	43.00 R	125+43.00	Davis Dr
RW16050	81.00 R	124+52.00	Davis Dr
168	92.24 R	124+26.52	Davis Dr

REQD EASMT AREA = 1111.27 SF

PAR 4 REQ'D TEMP. EASM'T. RW16011 AREA 3

PNT	OFFSET/	STATION/	ALIGNMENT
RW15037	35.83 R	125+81.00	Davis Dr
RW15038	35.83 R	127+00.00	Davis Dr
RW15039	41.42 R	127+40.04	Davis Dr
RW16060	41.00 R	125+85.00	Davis Dr
RW15036	43.00 R	125+81.00	Davis Dr
RW15037	35.83 R	125+81.00	Davis Dr

REQD EASMT AREA = 746.86 SF

TOTAL REQD TEMP. EASM'T. AREA = 2636.15 SF

4

30 WEST PERSHING LLC
CONTINUED
SEE SHEETS 7 & 8

PAR 4 REQ'D DRWY. EASM'T. RW17002

PNT	OFFSET/	STATION/	ALIGNMENT
168	92.24 R	124+26.52	Davis Dr
RW16050	81.00 R	124+52.00	Davis Dr
RW17006	112.00 R	124+62.00	Davis Dr
RW17007	141.00 R	124+34.45	Davis Dr
RW16042	133.21 R	124+31.00	Davis Dr
168	92.24 R	124+26.52	Davis Dr

PAR 4 REQ'D DRWY. EASM'T. RW17003

PNT	OFFSET/	STATION/	ALIGNMENT
RW15034	41.32 R	125+43.95	Davis Dr
RW15035	43.00 R	125+49.00	Davis Dr
RW15036	43.00 R	125+81.00	Davis Dr
RW16060	41.00 R	125+85.00	Davis Dr
RW17013	41.01 R	125+88.97	Davis Dr
RW17008	83.00 R	125+85.00	Davis Dr
RW17009	83.00 R	125+45.00	Davis Dr
RW16049	43.00 R	125+43.00	Davis Dr
RW15034	41.32 R	125+43.95	Davis Dr

AECOM
400 NORTHPARK TOWN CENTER
1000 ABERNATHY ROAD, N.E., SUITE 900
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

THE CITY OF ALPHARETTA
PUBLIC WORKS

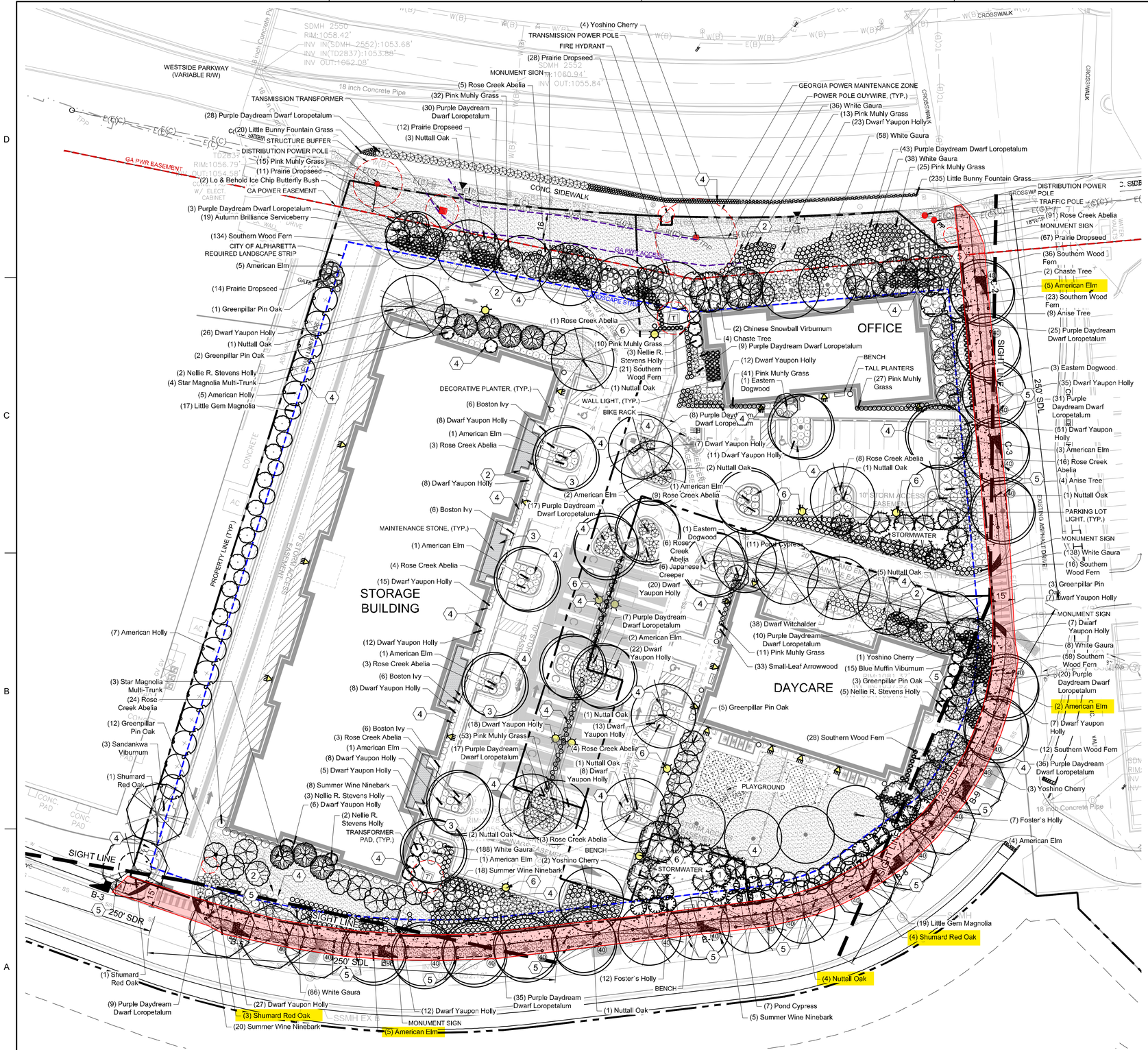
DATE	REVISIONS
02/17/21	MOVED PAR 4 FROM DWG. NO. 60-009 TO 60-010, ADDED
	PAR 4 REQ'D, REVISED TEMP. EASM'T & DRIVEWAY EASM'T

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY TABLE

DAVIS DRIVE EXTENSION RIGHT-OF-WAY PLANS
COUNTY: FULTON
LAND LOT NO: 639
LAND DISTRICT: 1
GMD: 1
DATE: 07/13/2018 SH 10 OF 10

DRAWING No. 60-010



A1 LANDSCAPE PLAN

SCALE: 1" = 30'

0 15' 30' 60' 90'

GENERAL SHEET NOTES:

1. REFER TO SHEETS C-001 FOR LEGEND, ABBREVIATIONS, AND CIVIL NOTES.
2. THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
3. CONTRACTOR SHALL HAVE ALL UTILITIES FIELD LOCATED PRIOR TO START OF CONSTRUCTION.
4. SEE SHEET LP001 FOR GENERAL LANDSCAPE NOTES.
5. SEE SHEET LP503 FOR OVERALL LANDSCAPE SCHEDULE.
6. SEE SHEET LP503 FOR TREE CALCULATIONS.
7. SEE LP500 SERIES FOR LANDSCAPE DETAILS.
8. INSTALL SITE FURNISHING PER MANUFACTURER'S SPECIFICATIONS.
9. ROOT BARRIER SHALL BE INSTALLED AGAINST ALL CONCRETE SIDEWALKS OR CURBING.

TREE NOTES:

1. NO SPECIMEN TREES EXISTING ON SITE.
2. SEE SHEET LP503 FOR TREE CANOPY CALCULATIONS.
3. CONTRACTOR SHALL IMPLEMENT TREE CARE PLAN AS SPECIFIED.
4. **ALL TREES MUST BE PLANTED OUTSIDE OF ANY UTILITY EASEMENTS, UNLESS APPROVED BY THE CITY ARBORIST OR UTILITY PROVIDER.**

SHEET KEYNOTES

1. SPADED EDGE UNLESS OTHERWISE NOTED, SEE D5/LP501
2. STEEL EDGE BEDLINE, INSTALL PER MANUFACTURER'S SPECIFICATIONS.
3. MAINTENANCE STONE, SEE B2/LP503
4. MULCH SHALL BE SHREDDED HARDWOOD MULCH, SEE SHEET LP001.
5. ROOT BARRIER, SEE C2/LP502
6. SITE LIGHTING BY OTHERS

LEGEND

- UTILITY BUFFER ZONE
- DECORATIVE PLANTER, OWNER TO APPROVE
- BIKE RACK, OWNER TO APPROVE
- BENCH, OWNER TO APPROVE
- (#) ROOT BARRIER, (#) EQUALS TOTAL LENGTH IN TOTAL LINEAR FEET

SEE SHEET LP501, LP502, AND LP503 FOR PLANTING DETAILS.

THE DAVIS GROUP

GEORGIA REGISTERED No.1404 LANDSCAPE ARCHITECT ANDREA MICHELE GREEN

5/6/2021

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NO.	DESCRIPTION	DATE	APPR.	MARK
0	SUBMITTED FOR PERMIT REVIEW	03/19/2021		

DESIGNED BY: MF
DWN BY: JU
CKD BY: DM
SUBMITTED BY: MF
DATE: 02/05/2021
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
PLOT SCALE: AS SHOWN
PLOT DATE:
FILE NAME:
SIZE: ANSI D

THE DAVIS GROUP
6728 JAMESTOWN DR
ALPHARETTA, GA 30005

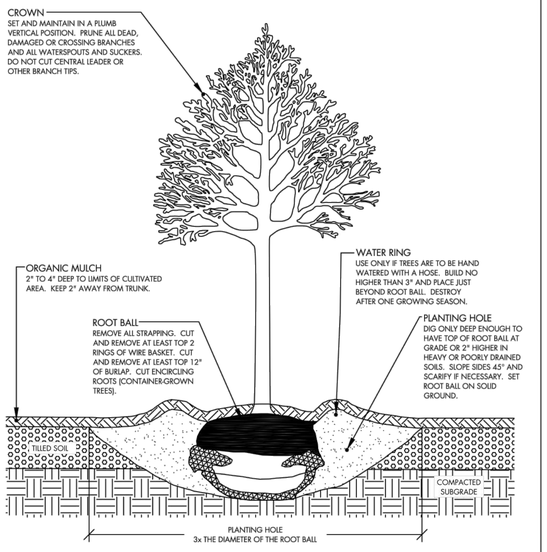
POND
3100 Piedmont Road NE, Suite 500
Peachtree Corners, GA 30092
Phone: (770) 325-9740
Fax: (678) 336-2744
GA LRC

DAVIS DRIVE SITE
LAND LOTS 607, 638 AND 639
1ST DISTRICT/2ND SECTION
FULTON COUNTY, GEORGIA
ALPHARETTA | DP#: 02100003 | FC PROJECT: 21-0220VR

LANDSCAPE PLAN

SHEET IDENTIFICATION
LP101

FILE NAME: X:\FY20\1200383\04.CAD_BIM\04.02.CAD\LP101.dwg PLOTTED: Monday, June 07, 2021



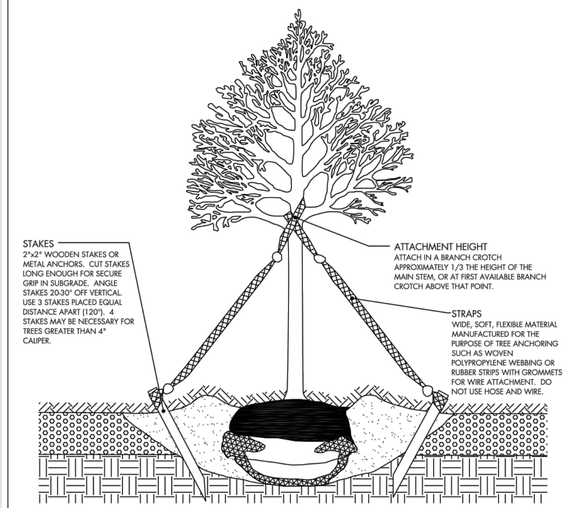
THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE

TREE PLANTING
(TYPICAL SECTION)

08/01/2015

STD. L-1



USE ANCHORING SYSTEMS ONLY WHERE WIND OR SOIL CONDITIONS MAKE IT NECESSARY OR AS REQUIRED BY CITY ARBORIST. REMOVE AFTER ONE YEAR.

THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE

TREE ANCHORING - TYPE A
(FOR TREES LARGER THAN 2 INCHES CALIPER)

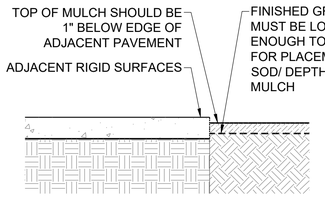
08/01/2015

STD. L-2

NOTE:
1. TRENCH EDGE DETAIL SHALL BE USED AT ALL LAWN EDGES & AT EDGES OF MULCHED AREAS (FOR CONTAINMENT).
2. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN AREAS; & SHALL CREATE SMOOTH & EVEN LINES (AS INDICATED ON THE PLANS).

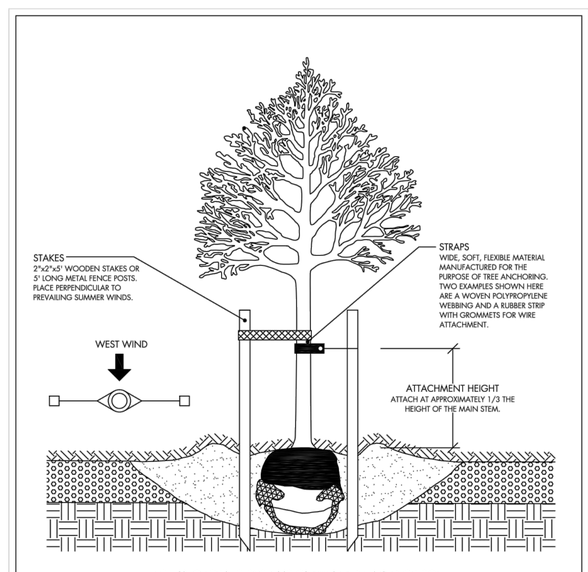
D5 SPADED/TRENCH EDGE

SCALE: NTS



C5 LANDSCAPE / PAVEMENT EDGE

SCALE: NTS



USE ANCHORING SYSTEMS ONLY WHERE WIND OR SOIL CONDITIONS MAKE IT NECESSARY. REMOVE AFTER ONE YEAR.

THE CITY OF ALPHARETTA GEORGIA

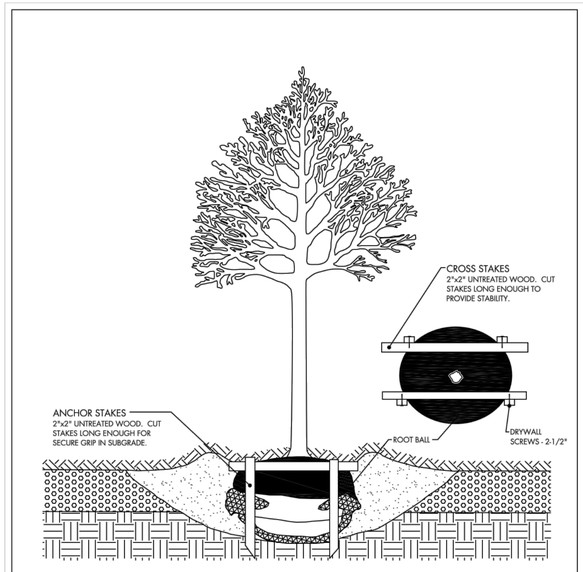
BY	REVISION	DATE

TREE ANCHORING - TYPE B
(FOR TREES UP TO 2 INCHES CALIPER OR FOR TREES IN BEAUTY STRIPS, SIDEWALK CUTOUTS, PLANTING PITS, ETC.)

08/01/2015

STD. L-3

NOTE: THIS DETAIL MAY BE UTILIZED FOR TREES GREATER THAN 2 INCHES CALIPER WHICH ARE TO BE PLANTED IN BEAUTY STRIPS, SIDEWALK CUTOUTS, PLANTING PITS, AND SIMILAR LOCATIONS WHERE THERE IS NO ROOM FOR STRAPPING AS PER STD. L-2.



USE ANCHORING SYSTEMS ONLY WHERE WIND OR SOIL CONDITIONS MAKE IT NECESSARY. REMOVE AFTER ONE YEAR.

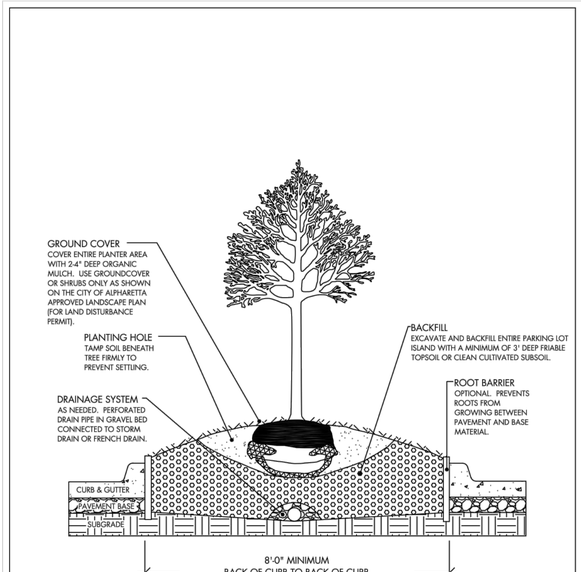
THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE

TREE ANCHORING - TYPE C
(FOR CONTAINER GROWN TREES OR B&B TREES UP TO 2 INCHES CALIPER)

08/01/2015

STD. L-4



THE CITY OF ALPHARETTA GEORGIA

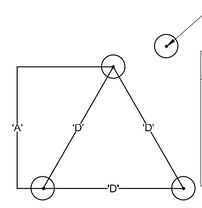
BY	REVISION	DATE

TREE PLANTING
IN PARKING LOTS
(TYPICAL SECTION)

08/01/2015

STD. L-5

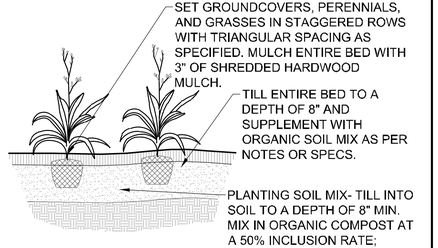
NOTE: GROUNDCOVERS, PERENNIALS, AND GRASSES TO BE INSTALLED WITH TRIANGULAR SPACING.



PLANT SPACING 'D'	ROW 'A'
8" O.C.	7.00" O.C.
10" O.C.	8.5" O.C.
12" O.C.	10.5" O.C.
18" O.C.	15.5" O.C.
24" O.C.	21.0" O.C.
36" O.C.	30" O.C.
48" O.C.	31.5" O.C.

B5 TYPICAL PLANT SPACING

SCALE: NTS



A5 GROUNDCOVER PLANTING

SCALE: NTS

THE DAVIS GROUP
DG
GEORGIA REGISTERED
No.1404
ANDREA MICHELE GRIEGO
5/6/2021

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MARK	DESCRIPTION	DATE	APPR.
0	SUBMITTED FOR PERMIT REVIEW	03/19/2021	

THE DAVIS GROUP
6728 JAMESTOWN DR
ALPHARETTA, GA 30005

POND
3100 Piedmont Road, Suite 600
Peachtree Corners, GA 30092
Phone (678) 336-2310
Fax (678) 336-7744
JOB NO.

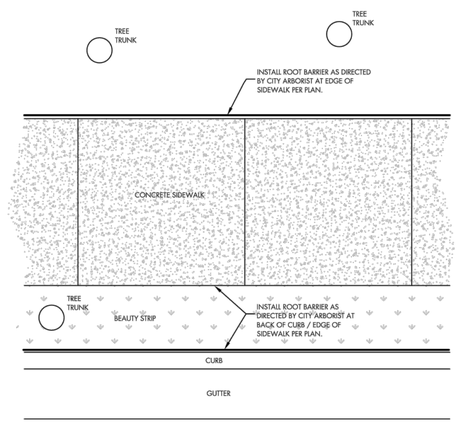
DESIGNED BY:	BMD MF
DWN BY:	BMD JJ
CKD BY:	AMG DM
SUBMIT TO:	
DATE:	02/05/2021
SOLICITATION NO.:	
CONTRACT NO.:	
FILE NUMBER:	
PLOT SCALE:	AS SHOWN
PLOT DATE:	
FILE NAME:	
SIZE:	ANSI D

DAVIS DRIVE SITE
LAND LOTS 607, 638 AND 639
1ST DISTRICT/2ND SECTION
FULTON COUNTY, GEORGIA
ALPHARETTA LDP#: 0210003, FC PROJECT: 21-022WR

LANDSCAPE DETAILS

SHEET IDENTIFICATION
LP501

FILE NAME: X:\FY20\1200383\04.CAD_BIM\04.02.CAD\LP501.dwg PLOTTED: Thursday, May 06, 2021



NOTES:
1. ROOT BARRIERS SHALL BE REQUIRED WHEN TREES ARE PLANTED OR ARE EXISTING WITHIN 10' OF ALL CITY OWNED AND MAINTAINED HARDSCAPES.
2. ROOT BARRIERS SHALL BE INSTALLED ALONG THE LENGTH OF THE HARDSCAPES FOR THE EXPECTED CRZ OF THE TREE AT MATURITY OR ALONG THE ENTIRE LENGTH OF THE HARDSCAPE.
3. ROOT BARRIER SHALL BE HIGH DENSITY AND HIGH IMPACT PLASTIC, A MINIMUM 18" DEEP, AS AVAILABLE FROM "DEEP ROOT", VESPRO, INC, OR EQUIVALENT AS APPROVED BY CITY OF ALPHARETTA. BIO BARRIER OR SIMILAR MAY BE SUBSTITUTED, AS APPROVED BY THE CITY.
4. TOP OF ROOT BARRIER SHALL BE SET A MINIMUM OF ½" ± ABOVE FINISHED GRADE OF SOIL. HOWEVER, UNDER NO CIRCUMSTANCES SHALL THE TOP OF ROOT BARRIER EXTEND ABOVE ADJACENT CURB, SIDEWALK OR OTHER HARD SURFACING, AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PLEASE PROVIDE MANUFACTURER'S INSTRUCTIONS.

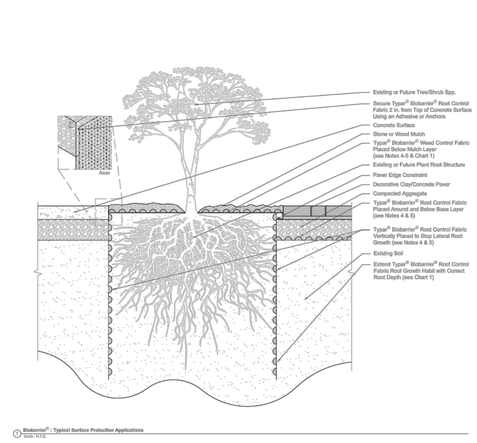
THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE
PCB	REVISE NOTE #1	8/24/16

ROOT BARRIER DETAIL
(FOR PUBLIC SIDEWALKS OR CURBING)

08/01/2015

STD. L-8



① **Biobarrier®** - Typical Surface Protection Applications
Scale: N.T.S.

This Detail shows multiple Biobarrier® application methods for protecting hardscapes and surfaces from tree root damage. Individual projects may vary in their need for horizontal and vertical reinforced Biobarrier® protection. Please contact Polymer Group, Inc. for technical assistance.

Chart 1 is a general guide only. Your specific application may require slightly different sizes. As a general rule, the greater the tree's mature height, the greater the degree of protection against early root damage. ALL tree or any other root barrier for protection does not extend beyond the edge of the tree's mature canopy (dripline) to allow for adequate root growth.

This Rating Guide is provided at no risk to assuming any warranty of any kind by Polymer Group Inc. and polymer Group Inc. accepts no responsibility for any loss or damage resulting from the use of this guide.

Please note that the information above is given as a guide only. All sizes and weights are nominal figures and may vary to what is published. Polymer Group Inc. cannot be liable for damage or caused by incorrect installation of this product. Post deterioration of the suitability of any Information or material for the use contained/cited and the number of its use is the sole responsibility of the user and the user must assume all risk and responsibility in connection therewith.

NOTES:
Note 1: Contact your utility company prior to trenching. Consult a professional arborist if root trimming is required.
Note 2: Install & Secure Biobarrier® as soon as possible (within 10 hours) after opening. High temperatures and direct sunlight can reduce the UV resistance of the fabric.
Note 3: Dig trenches a minimum of 6 in. wide for Typar® Biobarrier® Root Control Fabric. Trenches must be a minimum length of mature tree canopy (dripline) to allow for adequate root growth.
Note 4: Install Typar® Biobarrier® Root Control Fabric on the side of the trench opposite the root source.
Note 5: Install Typar® Biobarrier® Root Control Fabric with fabrics having lateral reinforced seams.
Note 6: Fixing pins shall prevent fabric tears between the nailplate 12 in. Nail top edge of fabric and at a 45° angle to the trench wall.

Specific articles on the use of Biobarrier® can be obtained from Polymer Group Inc.

Table 1 : Biobarrier® Specifications

Description	Data
Product	Biobarrier® Root Control Barrier
Chemical Family	Thermoplastic Polymeric
Composition	Polypropylene = 74±3%
	UV Stabilizer = 8%
	Triflurlin = 05%
	Pigment Assortment* = 4.5%
Appearance	Gray Fabric
Physical State	Solid
Melting Point*	160 - 165°C (320-329°F)
Boiling Point*	Not Applicable
Solubility (H2O)*	0.0 g/cm (0.0°C)
Specific Gravity	0.9 g/cm (0.0°C)
Flashing Density	Not Applicable
Odor	Aromatic (Solvent)
pH	Not Applicable
Evaporation Rate	Not Applicable
Melting Point*	>= 60.0°C
Flash Point*	>= 60.0°C
Percent Volatiles	0%
UV resistance	High
Biodegradability	None
Toxicity	Non-Pyrotoxin
Hygroscopicity	None
Explosivity	None
Fabric	
Tear Strength	9.0
Grab Strength (Dry)	20.0
Elongation at Break (%)	>= 15.0
Puncture Strength (Dry)	20.0
Puncture Strength (Dry)	20.0
Coefficient of Permeability (cm/sec)	2 x 10^-1
Nozzle	
Knee Diameter (in)	3/16
Length (in)	5.5/8
Weight (oz.)	0.2/0.5
Sawing (in)	1.1/2
Fumigation Knee Knob = (-5.1%)	
Teflonite (CAS # 1582-09-8)	

* Information is believed to be Obtained From Polymer Group Inc. Upon Request.

Chart 1: Examples of Intended Biobarrier® Root Control Applications & Roll Widths

Application	Root Control Width in. (cm)					
	12 (30)	18.5 (36)	24 (61)	31 (79)	33 (85)	55.5 (141)
Bunting Plantations						X
Burial Vaults/Tombstones						X
Earthworks			X	X	X	X
Curbs		X	X			
Deck Lines (Lattice)	X	X	X	X	X	X
Golf Greens/Tees/Paths		X	X	X	X	X
Landfills						X
Medians			X	X	X	
Parking Lots	X	X	X	X	X	X
Planting Beds (Ht. 30 in)			X	X	X	X
Pools	X	X				
Retaining Walls				X	X	X
Roads		X	X	X	X	X
Road Markers						X
Septic Tanks/Fields						X
Sidewalks		X	X	X		
Signposts		X	X	X	X	
Tennis Courts			X	X	X	
Underground Applications	X	X	X	X	X	X
Underground Storage Tanks						X
Utility Excavations		X	X	X	X	X

Biobarrier® Root Control is available in 12 ft. (3.7 m) or 100 ft. (30.5m). Roll Lengths in both 33 & 55.5 ft. widths and 330 ft. lengths for 24 in.

Application	Weed Control Width in. (cm)					
	12 (14)	18 (46)	24 (61)	31 (79)	33 (85)	55.5 (141)
Fence Lines			X	X	X	X
Guardrails			X	X	X	X
Landscaping			X	X	X	X
Fences			X	X	X	X
Street Medians			X	X	X	
Trafficways			X	X	X	X
Tree Belts						X
Utility Excavations						X

Biobarrier® Weed Control is available in 18 ft. (5.5 m) or 100 ft. (30.5m). Roll Lengths in both 33 & 55.5 ft. widths and 330 ft. lengths for 24 in.

DISCLAIMER:
THE FOLLOWING RECOMMENDATIONS OR SUGGESTIONS ARE OFFERED IN GOOD FAITH BASED ON THE CURRENT STATE OF KNOWLEDGE AND ARE BASED ON TESTS BELIEVED TO BE RELIABLE. HOWEVER, THE EFFECTIVENESS OF ANY RECOMMENDATION OR SUGGESTION DEPENDS ON MANY FACTORS BEYOND THE CONTROL OF POLYMER GROUP, INC. (PGI). NO GUARANTY OR WARRANTY OF RESULTS IS MADE AND NO LIABILITY WILL BE ASSUMED FOR DAMAGE RESULTING FROM THE USE OF OR RELIANCE ON ANY RECOMMENDATION OR SUGGESTION. PGI DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OVER ITS EXPRESS LIMITED WARRANTY. EACH USER SHOULD TEST ANY PRODUCT OR RECOMMENDATION IN THE USER'S OWN SPECIFIC APPLICATION BEFORE COMMERCIAL USE. USER'S RIGHTS UNDER THIS EXPRESS LIMITED WARRANTY ARE THE EXCLUSIVE REMEDIES. IN NO EVENT SHALL PGI BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. PGI RECOMMENDS THAT USERS INDEMNIFY PGI AGAINST ANY LOSSES ARISING FROM ANY USE OR RELIANCE BY USER OR ITS CUSTOMERS ON PGI'S RECOMMENDATIONS OR SUGGESTIONS.
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Toll-Free: 1-800-541-5919
e-mail: geosinfo@polygroup.com
website: www.typargroup.com/biobarrier

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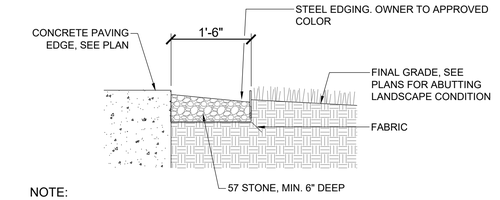
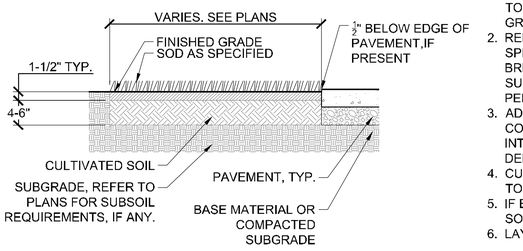
BioBarrier® Root Control Fabric
Surface Protection Applications
Specification, Design & Installation Guide

C2 ROOT BARRIER DETAIL
SCALE: NTS



NOTE:
1. STEEL EDGING SHALL BE INSTALLED AT ALL LOCATIONS WHERE 57 STONE MAINTENANCE STRIP TRANSITIONS TO LAWN OR LANDSCAPE BEDS.
2. OWNER TO APPROVE STEEL EDGING MATERIAL AND COLOR PRIOR TO INSTALLATION.

D4 57 STONE MAINTENANCE STRIP
SCALE: NTS

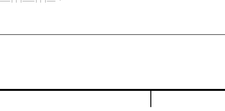


SODDING PROCEDURE:
1. THE GENERAL CONTRACTOR WILL PROVIDE GRADES TO +/-TWO TENTHS (0.20) OF A FOOT OF PROPOSED GRADES.
2. REFER TO DRAWINGS AND SPECIFICATIONS FOR ANY SPECIAL SUBSOILING REQUIREMENTS. AT A MINIMUM, BREAK THROUGH AND REMOVE ALL SUBGRADE SURFACE 'HARDPAN' AND DEBRIS TO ALLOW PERCOLATION AND POSITIVE DRAINAGE.
3. ADD ADDITIVES, SUCH AS TOPSOIL, SAND OR COMPOST (PER SOIL TEST ANALYSIS) AND ROTOTILL INTO SUBGRADE. CULTIVATE ENTIRE AREA TO A DEPTH OF 4-6". HANDRAKE SMOOTH.
4. CULTIVATED SOIL MAY CONSIST OF STOCKPILED TOPSOIL, FREE OF DELETERIOUS MATERIAL.
5. IF EXCESSIVELY DRY, LIGHTLY WATER AREA TO BE SODDED PRIOR TO LAYING SOD.
6. LAY & ROLL SOD. WATER THOROUGHLY.

B1 SODDING
SCALE: NTS

Tree Planting Cue Card
provided by Roots Plus Growers™

1 Start with a quality grade tree as specified in the Florida Grades & Standards for Nursery Stock.

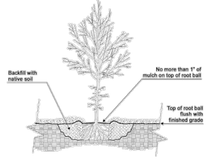


- Select trees with a quality trunk form, branch arrangement and canopy uniformity.

2 Check for root system quality.
- Field-grown (B&B) trees should be hardened-off or pre-dug at the nursery until new roots are visible through the burlap.
- Trees should be solid in the root ball.
- Top most structural root should emerge from the trunk in the top two inches of the root ball.

3 Tree shipping and unloading.
- Trees should be protected during shipping by a tarp or shipped in an enclosed truck.
- Trees should never be lifted by the trunk. Lift using root ball straps or container handles.
- On the job site, store trees upright, in the shade, and irrigate twice daily with 5 gallons per caliper inch applied directly to the root ball until planting.
- Do not store trees on asphalt.

4 Planting hole preparation.
- Prepare the planting hole twice as wide as the root ball and slightly less than the depth of the root ball.
- Dig the planting hole shallower in areas with wet soil conditions and backfill up to the edge of the root ball.



5 Tree preparation.
- Remove the black weed cloth liner, plastic wrap, or container.
- Remove any string, strapping, or wire wrapped around the trunk.
- Cut any circling roots prior to planting.

6 Tree planting.
- Place the tree in the center of the hole with the top most root in the root ball at or slightly higher than the finished landscape grade; in no case should the first root emerging from the trunk be more than 2 inches below the soil level.
- Check to ensure the tree is straight in the hole, and begin filling in with native field soil.
- Water in the backfill as you fill the planting hole, working the soil to ensure that no air pockets remain.

7 Finishing planting.
- At the edge of the root ball, make a soil berm 2-3 inches high to form a shallow water holding area. Water immediately after planting with 5 gallons of water per caliper inch.
- Apply a 4 inch layer of mulch to an area 2 feet in diameter per trunk caliper inch, but with no more than 1 inch of mulch on top of root ball.
- Do not pile mulch directly against the tree trunk.

8 Irrigation requirements for establishment.
- Use low volume drip irrigation for optimum growth & survival.
- If an automatic system is not used, a strict irrigation schedule is necessary for survival.

Tree Size: 2-4" caliper
Irrigation for vigor - Daily for 1 month; every other day for 3 months; weekly until established.
Irrigation for survival - Twice weekly for 3-4 months.

Tree Size: >4" caliper
Irrigation for vigor - Daily for 6 weeks; every other day for 5 months; weekly until established.
Irrigation for survival - Twice weekly for 4-5 months.

- At each irrigation, apply 3 gallons per inch trunk caliper to the root ball. For example, apply 9 gallons on a 3" caliper tree. Apply in a manner so all water soaks into the root ball.
- Establishment takes 3 to 4 months per inch trunk caliper. In drought conditions irrigate the following summer.

Important Planting Notes
- The best soil amendment for successful planting is water. Research has shown no benefit to using other soil amendments.
- Place no soil over the root ball at planting. Deep planting kills trees.

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This tree grading cue card provided to you courtesy of Roots Plus Growers & The University of Florida IFAS Extension

B3 TREE PLANTING CUE CARD
SCALE: NTS

Tree Grading Cue Card
2015 Edition
provided by RPG, ACT, Florida Chapter ISA & UF/IFAS

1 Choose appropriate tree matrix type.

Type 1 – tall and wide form
ex. black-olive, live oak, mahogany, southern magnolia

Type 2 – tall and narrow form
ex. bald-cypress, East Palatka holly, Japanese blueberry, pine

Type 3 – short/wide and multi-trunked form
ex. silver buttonwood, labebulia, yaupon holly, crape-myrtle

Refer to the matrix tables in the Grades and Standards to determine tree height, crown diameter and root ball or container size requirements.

a) For multi-trunked small maturing trees measure the container or root ball size.
b) For all other trees measure the caliper.

Trunk caliper is measured 6 inches above the ground on trees up to and including 4 inches in caliper, and 12 inches above the ground for larger trees. Diameter at breast height (DBH) is not considered an appropriate measurement for nursery trees.

2 Grade the tree according to trunk structure.
Small-maturing trees skip step 2.

3 Grade the tree according to crown uniformity.

Not all shapes and forms are represented here; however, these images represent what would be acceptable for Florida Fancy or Florida No. 2 of other shapes and forms. Note: For crown uniformity there is no Florida No. 1 or Cull grade.

4 Record the lowest grade determined in Steps 2 and 3.

5 If one of the following statements is true, reduce the grade determined in Step 4 by one.

If two or more are true, reduce the grade by two. Reference tree caliper and appropriate matrix for 5a, 5b, and 5d. For multi-trunked small maturing trees, use container size or root ball diameter (not caliper) for 5b and skip 5a and 5d.

a) Tree does not meet height requirement.
b) Crown does not meet diameter requirement.
c) Root ball is not secure enough to successfully transplant.
d) Root ball or container is undersized. If two or more sizes, reduce grade by two.
e) Tree with a trunk caliper larger than two inches requires a stake to hold the trunk erect. For multi-trunked trees, this applies to each trunk individually.

6 If two of the following statements are true, reduce the grade determined in Step 5 by one.

If three or more of the statements are true, reduce the grade by two. It takes only one true statement to reduce Florida Fancy to Florida No. 1.

a) Flush cuts were made when pruning branches from the trunk.
b) Branch stubs were left beyond the collar.
c) Open trunk wounds are evident.
d) More than 10% of the crown exhibits necrosis, chlorosis or damage from pests, diseases or tip dieback.
e) The crown is thin and sparsely foliated (allow for harvesting/ time of year).
f) Included bark between the trunk and a major lateral branch or between main trunks.
g) Trunks and/or major branches are touching.

7 The tree is a Cull if one of the following conditions is true:

a) Top-most structural root emerges from trunk more than two inches below the top of the root ball surface. Soil, substrate and/or roots can be removed from the top 1/3 of the root ball to conform to this depth requirement.
b) One or more roots greater than 1/10 the trunk caliper, circle more than 1/3 of trunk in the top 1/2 of the root ball. Circling roots less than 1/3 the trunk diameter can be cut at the point just inside where they begin to circle, following cutting, the tree is no longer a Cull.

Grading notes
- A dogleg is a significant S-shaped deformation in the trunk below the crown. If there is a dogleg in the clear trunk portion, the tree is graded Florida No. 2. If the dogleg is in the crown portion of the tree, the tree is not downgraded. The distance 'A' can be no more than the trunk diameter.
- Grades and Standards do not apply to specialty trees like braided stems, poodles, espalier, topiary and bonsai.
- To download the complete G&S document visit http://www.freshfromflorida.com/Divisions-Offices/Plant-Industry

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This tree grading cue card provided to you courtesy of Roots Plus Growers, Association of Certified Container Tree Growers, the Florida Chapter ISA & The University of Florida IFAS Extension

B4 TREE GRADING CUE CARD
SCALE: NTS

Tree Pruning Cue Card
Provided by RPG, Florida Chapter ISA & UF/IFAS

Trees with appropriately pruned crowns and roots become more stable and healthy. Here are some guidelines for executing these practices on young large-maturing shade trees.

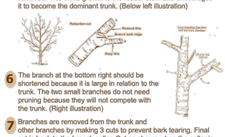
1 Shade trees that will become large perform best in urban landscapes when grown with one trunk extending 70' or more into the crown. Large limbs should be spaced along this trunk, not clustered together at one point. Newly planted Florida #1 or better nursery trees have one trunk at least half way up the tree (left). Trees with more than one large upright trunk are considered lesser quality and more prone to failure in the landscape (right). (Below left illustration)

2 Trees with competing stems can be pruned so there is one trunk to the top of the crown (left). Pruning in this manner at planting and every few years results in a strong tree with one dominant trunk (center and right). (Above right illustration)

3 Removing or shortening competing upright stems back to lateral branches in the top half of the crown will encourage one trunk to dominate. The one trunk in the crown center should be more visible after pruning.

4 Shortening all large lower branches when the tree is young also forces more growth into one trunk which makes it strong. Trunk wounds will be small with little resulting decay when these shortened low branches are removed later.

5 Reducing large stems and branches back to a live lateral branch slows growth on the pruned stem because foliage was removed. This shifts growth to the leader stem and encourages it to become the dominant trunk. (Below left illustration)



6 The branch at the bottom right should be shortened because it is large in relation to the trunk. The two small branches do not need pruning because they will not compete with the trunk. (Right illustration)

7 Branches are removed from the trunk and other branches by making 3 cuts to prevent bark tearing. Final cut is back to the branch collar. Cut as shown when the collar is not visible. (Below left and center illustration)

8 Pruning roots at planting that circle or dive into soil removes roots that could cause stability and health problems later. Cut at A not B. (Above right illustration)

Structural Pruning Checklist
- Develop and maintain a dominant leader
- Identify the lowest branch in the permanent crown
- Prevent branches below permanent crown from growing too large
- Space main branches along the dominant trunk
- Keep all branches less than 1/2 the trunk diameter by shortening or thinning them
- Suppress growth on branches with included bark
- These guidelines may not apply for trees pruned for utility line clearances

PRUNING SAFETY
- **Prune from the ground with proper tools and safety equipment**
- **Do not prune anywhere near powerlines**
- **Hire an ISA Certified Arborist for larger trees, if pruning cannot be done from the ground or if anywhere near powerlines**
- **Locate an ISA Certified Arborist at www.TreesAreGood.com**

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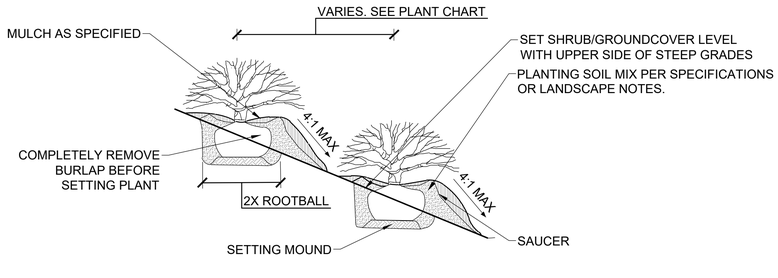
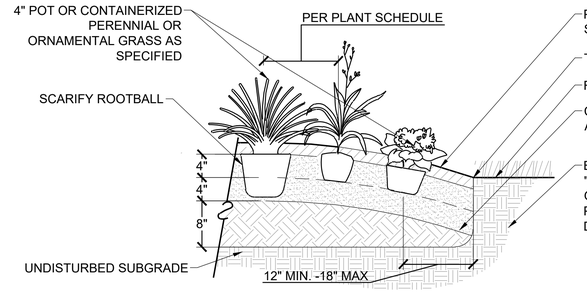
A4 TREE PRUNING CUE CARD
SCALE: NTS



A1 SHRUB PLANTING ON SLOPE
SCALE: NTS



A2 PERENNIAL BED
SCALE: NTS

MARK	DESCRIPTION	DATE
0	SUBMITTED FOR PERMIT REVIEW	03/19/2021
	APPR. MARK	

DESIGNED BY: BMD MF
DWN BY: BMD JU
CKD BY: AMG DM
SUBMITTED BY:
DATE: 02/05/2021
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
PLOT SCALE: AS SHOWN
PLOT DATE:
SIZE: ANSI D
FILE NAME:

THE DAVIS GROUP
6728 JAMESTOWN DR
ALPHARETTA, GA 30005

POND
3825 Presidential Parkway #200
Peachtree Corners, GA 30092
Phone: (678) 336-2740
Fax: (678) 336-2744
JOB NO.

DAVIS DRIVE SITE
LAND LOTS 607, 638 AND 639
1ST DISTRICT/2ND SECTION
FULTON COUNTY, GEORGIA
ALPHARETTA LDP#: LDP210003, FC PROJECT: 21-0222VR

LANDSCAPE DETAILS

SHEET IDENTIFICATION
LP502

GEORGIA REGISTERED No.1404 LANDSCAPE ARCHITECT AMECA MICHELE GRECO
5/6/2021

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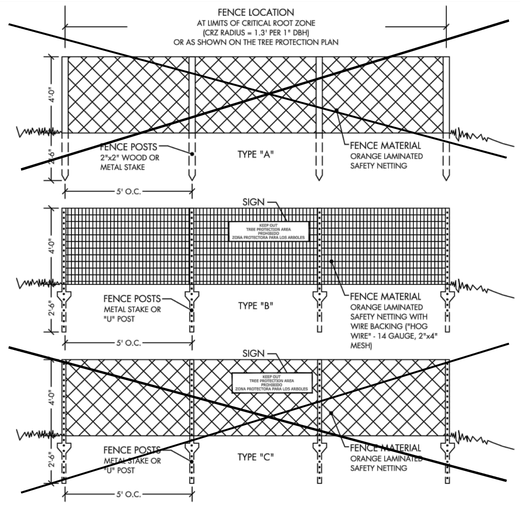
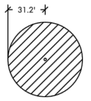
FILE NAME: X:\FY20\1203083\04.CAD_BIM\04.02.CAD\LP501.dwg PLOTTED: Thursday, May 06, 2021

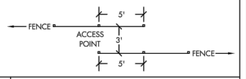


NOTES:
1. ALL TREE PROTECTION DEVICES ARE TO BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. NO PARKING, STORAGE OR OTHER CONSTRUCTION SITE ACTIVITIES ARE TO OCCUR WITHIN THE TREE PROTECTION AREA.
2. PROVIDE 4" DEEP WOOD CHIP MULCH OVER ANY UNPROTECTED ROOT ZONE.
3. MAKE CLEAN CUTS ON ROOTS EXPOSED BY GRADING AND BACKFILL IMMEDIATELY.
4. INSTALLATION SHALL INVOLVE NO TRENCHING.
5. SIGNS TO BE PLACED AT 50' INTERVALS ALONG FENCING. SIGNS TO BE A MINIMUM OF 8½" X 11". SIGNS TO READ:

KEEP OUT
TREE PROTECTION AREA
PROHIBIDO
ZONA PROTECTORA PARA LOS ARBOLES



ACCESS POINT
ALL TREE PROTECTION/LOD FENCING MUST HAVE A MINIMUM OF ONE ACCESS POINT EVERY 200' OF FENCING. ACCESS POINT SHALL BE CONSTRUCTED AS BELOW.



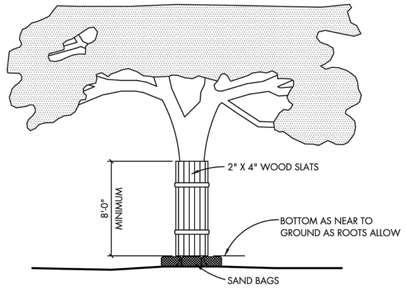
THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE

TREE PROTECTION / L.O.D. FENCING

08/01/2015

STD. L-6



NOTES:
1. WHERE ANY EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN TEN FEET (10'-0") TO A TREE TRUNK; PROTECT THE TRUNK WITH STRAPPED-ON-PLANKING TO A HEIGHT OF EIGHT FEET (8'-0"), OR TO THE LIMITS OF LOWER BRANCHING, IN ADDITION TO THE REQUIRED ORANGE LAMINATE FENCING.
2. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN TWO (2) DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE, AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
3. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE CRZ, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A PRUNING SAW, DITCH WITCH OR SIMILAR EQUIPMENT, TO MINIMIZE DAMAGE TO REMAINING ROOTS.
4. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER.
5. SAND BAGS OR HAY BALES SHALL BE PLACED ON THE ROOT FLARES AND ANY EXPOSED STRUCTURAL ROOTS.
6. ALL EXPOSED, RIPPED, AND TORN ROOTS GREATER THAN ONE-HALF INCH (1/2") SHALL BE CLEAN CUT.
7. NO LANDSCAPE TOPSOIL DRESSING GREATER THE FOUR INCHES (4") SHALL BE PERMITTED WITHIN THE CRZ OF A TREE. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
8. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS.

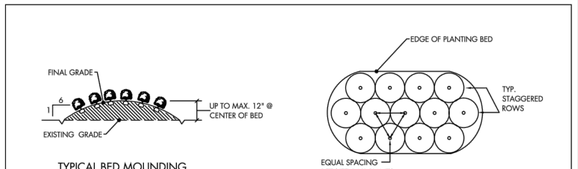
THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE

TREE PROTECTION - WOOD SLATS

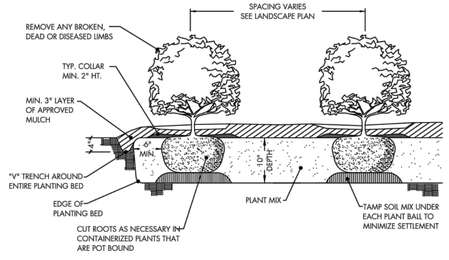
08/01/2015

STD. L-9



TYPICAL BED MOUNDING

TYPICAL PLANTING BED PLAN



TYPICAL PLANTING BED DETAIL

NOTES:
1. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
2. INSTALL TOP OF PLANT BALL 2"-3" ABOVE ADJACENT GRADE.
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.

THE CITY OF ALPHARETTA GEORGIA

BY	REVISION	DATE

SHRUB PLANTING BED

08/01/2015

STD. L-7

PLANT SCHEDULE

TREES	QTY	COMMON / BOTANICAL NAME	CONT	REMARKS
AA	19	AUTUMN BRILLIANCE SERVICEBERRY / AMELANCHIER ARBOREA `AUTUMN BRILLIANCE`	9'-10' HT.	10' HEIGHT / 15' SPREAD
CF	5	EASTERN DOGWOOD / CORNUS FLORIDA	3" CAL. B&B	20' HEIGHT / 20' SPREAD
IC	12	AMERICAN HOLLY / ILEX OPACA `CANARY`	9'-10' HT.	35' HEIGHT / 20' SPREAD
IN	15	NELLIE R. STEVENS HOLLY / ILEX X `NELLIE R. STEVENS`	9'-10' HT.	20' HEIGHT / 15' SPREAD
IF	19	FOSTER'S HOLLY / ILEX X ATTENUATA `FOSTERI`	9'-10' HT.	15' HEIGHT / 8' SPREAD
ML	36	LITTLE GEM MAGNOLIA / MAGNOLIA GRANDIFLORA `LITTLE GEM`	9'-10' HT.	15' HEIGHT / 8' SPREAD
MM	7	STAR MAGNOLIA MULTI-TRUNK / MAGNOLIA STELLATA	8'-10' HT. B&S	15' HEIGHT / 10' SPREAD
PS	10	YOSHINO CHERRY / PRUNUS X YEDOENSIS `SHIDARE YOSHINO`	2" CAL. B&B	35' HEIGHT / 25' SPREAD
QN3	10	NUTTALL OAK / QUERCUS NUTTALLII	4" CAL. B&B	40' HEIGHT / 35' SPREAD
QP	26	GREENPILLAR PIN OAK / QUERCUS PALUSTRIS `PRINGREEN` TM	4" CAL. B&B	35' HEIGHT / 15' SPREAD
QS3	1	SHUMARD RED OAK / QUERCUS SHUMARDII	4" CAL. B&B	40' HEIGHT / 35' SPREAD
TR2	18	POND CYPRESS / TAXODIUM ASCENDENS `FOX RED`	4" CAL. B&B	35' HEIGHT / 20' SPREAD
UA3	9	AMERICAN ELM / ULMUS AMERICANA	4" CAL. B&B	50' HEIGHT / 40' SPREAD
VC	6	CHASTE TREE / VITEX AGNUS-CASTUS	2" CAL. B&B	20' HEIGHT / 15' SPREAD
PARKING LOT TREE	**QTY**	**COMMON / BOTANICAL NAME**	**CONT**	**REMARKS**
QN	9	NUTTALL OAK / QUERCUS NUTTALLII	4" CAL. B&B	40' HEIGHT / 35' SPREAD
UA2	13	AMERICAN ELM / ULMUS AMERICANA	4" CAL. B&B	50' HEIGHT / 40' SPREAD
STREET TREE	**QTY**	**COMMON / BOTANICAL NAME**	**CONT**	**REMARKS**
QN4	4	NUTTALL OAK / QUERCUS NUTTALLII	4" CAL. B&B	40' HEIGHT / 35' SPREAD
QS2	8	SHUMARD RED OAK / QUERCUS SHUMARDII	4" CAL. B&B	40' HEIGHT / 35' SPREAD
UA	12	AMERICAN ELM / ULMUS AMERICANA	4" CAL. B&B	50' HEIGHT / 40' SPREAD
SHRUBS	**QTY**	**COMMON / BOTANICAL NAME**	**CONT**	**REMARKS**
AD	181	ROSE CREEK ABELIA / ABELIA X GRANDIFLORA `ROSE CREEK`	3G	4' HEIGHT / 5' SPREAD
BE	2	LO & BEHOLD ICE CHIP BUTTERFLY BUSH / BUDDLEJA X `ICE CHIP` TM	7G	2' HEIGHT / 3' SPREAD
FA	38	DWARF WITCHALDER / FOTHERGILLA GARDENII `MT. AIRY`	3G	5' HEIGHT / 4' SPREAD
IN2	376	DWARF YAUPON HOLLY / ILEX VOMITORIA `NANA`	3G	5' HEIGHT / 4' SPREAD
IP	13	ANISE TREE / ILLICUM PARVIFLORUM	7G	10' HEIGHT / 8' SPREAD
LU	328	PURPLE DAYDREAM DWARF LOROPETALUM / LOROPETALUM CHINENSE `PIILC-III` TM	3G	3' HEIGHT / 4' SPREAD
PN	51	SUMMER WINE NINEBARK / PHYSOCARPUS OPULIFOLIUS `SUMMER WINE`	3G	6' HEIGHT / 4' SPREAD
VA	15	BLUE MUFFIN VIBURNUM / VIBURNUM DENTATUM `CHRISTOM`	3G	6' HEIGHT / 4' SPREAD
VM3	2	CHINESE SNOWBALL VIBURNUM / VIBURNUM MACROCEPHALUM	7G	10' HEIGHT / 8' SPREAD
VM	33	SMALL-LEAF ARROWWOOD / VIBURNUM OBOVATUM `MISS SHILLERS DELIGHT`	3G	3' HEIGHT / 5' SPREAD
VS	3	SANDANKWA VIBURNUM / VIBURNUM SUSPENSUM	6'-7' HT.	6' HEIGHT / 6' SPREAD
VINE	**QTY**	**COMMON / BOTANICAL NAME**	**CONT**	**REMARKS**
PI2	6	JAPANESE CREEPER / PARTHENOCISSUS TRICUSPIDATA	1G	
PT	24	BOSTON IVY / PARTHENOCISSUS TRICUSPIDATA `FENWAY PARK`	3G	
FERNS	**QTY**	**COMMON / BOTANICAL NAME**	**CONT**	**REMARKS**
DL	329	SOUTHERN WOOD FERN / DRYOPTERIS LUDOVICIANA	1G	3' HEIGHT / 3' SPREAD
GRASSES	**QTY**	**COMMON / BOTANICAL NAME**	**CONT**	**REMARKS**
GS	552	WHITE GAURA / GAURA LINDHEIMERI `SUMMER CLOUDS`	1G	5' HEIGHT / 3' SPREAD
MC	227	PINK MUHLY GRASS / MUHLENBERGIA CAPILLARIS	1G	4' HEIGHT / 4' SPREAD
PB	255	LITTLE BUNNY FOUNTAIN GRASS / PENNISETUM ALOPECUROIDES `LITTLE BUNNY`	1G	1' HEIGHT / 2' SPREAD
ST	132	PRAIRIE DROPSEED / SPOROBOLUS HETEROLEPIS `TARA`	1G	3' HEIGHT / 2' SPREAD
GRASS	**QTY**	**COMMON / BOTANICAL NAME**	**CONT**	**SPACING** **REMARKS**
CT	24,102 SF	TIFGREEN BERMUDAGRASS / CYNODON X `TIFTON 328`	SOD	

C4 LANDSCAPE SCHEDULE
SCALE: NTS

LANDSCAPE REQUIREMENTS

CITY OF ALPHARETTA, GEORGIA

1. SITE DENSITY

REQUIRED

Total Site Area = 4.4249 Acres
4.4249 Acres @ 130" /Acre = 576 Inches

Existing Trees: None remaining on site. No specimen trees present on site.

PROVIDED

Proposed Trees: Species	Qty		Cal. Inches			%	Overstory QTY 40%MIN	Native QTY 50%or More	Genus 25% Max
STREET TREES:									
SHUMARD RED OAK / QUERCUS SHUMARDII	4	x	4	=	16	1.7%	4	4	23%
NUTTALL OAK / QUERCUS NUTALLII	8	x	4	=	32	3.4%	8	8	23%
AMERICAN ELM / ULMUS AMERICANA	12	x	4	=	48	5.1%	12	12	14%
	24		Total	=	96				
PARKING LOT TREES:									
NUTTALL OAK / QUERCUS NUTALLII	9	x	3	=	27	3.8%	9	9	23%
AMERICAN ELM / ULMUS AMERICANA	13	x	3	=	39	5.5%	13	13	14%
	22		Total	=	66				
SITE TREES:									
AUTUMN BRILLIANCE SERVICEBERRY / AMELANCHIER ARBOREA `AUTUMN BRILLIANCE`	19	x	2	=	38	8.1%	0	19	8%
EASTERN DOGWOOD / CORNUS FLORIDA	5	x	2	=	10	2.1%	0	5	2%
AMERICAN HOLLY / ILEX OPACA `CANARY`	12	x	2	=	24	5.1%	0	12	19%
NELLIE R. STEVENS HOLLY / ILEX X `NELLIE R. STEVENS`	15	x	2	=	30	6.4%	0	0	19%
FOSTER'S HOLLY / ILEX X ATTENUATA `FOSTERI`	19	x	2	=	38	8.1%	0	19	19%
LITTLE GEM MAGNOLIA / MAGNOLIA GRANDIFLORA `LITTLE GEM`	36	x	2	=	72	15.3%	0	0	18%
STAR MAGNOLIA / MAGNOLIA STELLATA	7	x	2	=	14	3.0%	0	0	18%
YOSHINO CHERRY / PRUNUS X YEDOENSIS `SHIDARE YOSHINO`	10	x	3	=	30	4.2%	0	0	4%
NUTTALL OAK / QUERCUS NUTALLII	7	x	3	=	21	3.0%	7	7	23%
GREENPILLAR PIN OAK / QUERCUS PALUSTRIS `PRINGREEN` TM	26	x	3	=	78	11.0%	26	26	23%
SHUMARD RED OAK / QUERCUS SHUMARDII	1	x	4	=	4	0.4%	1	1	23%
POND CYPRESS / TAXODIUM ASCENDENS `FOX RED`	18	x	3	=	54	7.6%	0	18	8%
AMERICAN ELM / ULMUS AMERICANA	9	x	3		27	3.8%	9	9	14%
CHASTE TREE / VITEX AGNUS-CASTUS	6	x	2	=	12	2.5%	0	0	3%
TOTAL NUMBER OF TREES	236		**Total**	=	414	100%	38%	69%	
PERCENTAGE OF TREES OVERSTORY	38%								
PERCENTAGE OF TREES NATIVE	69%								

Total Proposed Inches = 576

RG
Proposed 576 + 0 = 576 Required Inches
576 Provided Inches
0 Inches

2. LANDSCAPE STRIPS

REQUIRED Min. 200 SF island required at end of every parking bay — 25 Proposed Islands

PROVIDED 25 Islands @ 1 Shade Tree / Island = 22 Trees Provided

3. PARKING LOT

REQUIRED No Specimen Trees on Site

4. ECO POINTS EARNED

13. Enhanced Bicycle Amenities Measure **(+2 Eco Points)**
REQUIRED 9 Parking Stalls Required for 2 Eco Points
PROVIDED 2 - 5 Stall Bike Racks

12. Sustainable Landscape Measure **(+ 1 Eco Point)**
REQUIRED Utilizing all xeriscape plantmaterials and providing no permanent irrigation system.
PROVIDED Primarily native plants were used throughout the site. Non-natives are noted with an asterisk in the Plant Schedule.

236	Trees total
162	Native
68.64	% Native

1937	**TOTAL GRASSES/SHRUBS/VINES**
1210	Native
62.47	% Native

REQUIRED Exclusion of any plant species listed on the Georgia Exotic Plant Species
PROVIDED No exotice species used.

A4 TREE CALCULATIONS
SCALE: NTS

THE DAVIS GROUP

GEORGIA REGISTERED No.1404 LANDSCAPE ARCHITECT AMERICA MICHELE GRIEGO
5/6/2021

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MARK	DESCRIPTION	DATE
0	SUBMITTED FOR PERMIT REVIEW	03/19/2021
		APPR'L MARK

DESIGNED BY: MF
DWN BY: JG
CKD BY: DM
SUBMITTED BY: ME
DATE: 02/05/2021
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
PLOT SCALE: AS SHOWN
PLOT DATE:
FILE NAME:
SIZE: ARCH D

THE DAVIS GROUP
6728 JAMESTOWN DR
ALPHARETTA, GA 30005

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3100 Piedmont Rd. Ste 550
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Phone (678) 336-7140
Fax (678) 336-7144
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DAVIS DRIVE SITE
LAND LOTS 607, 638 AND 639
1ST DISTRICT/2ND SECTION
FULTON COUNTY, GEORGIA
ALPHARETTA LDP#: 02210003, FC PROJECT: 21-022WR

TREE CALCULATIONS AND LANDSCAPE SCHEDULE

SHEET IDENTIFICATION
LP503

FILE NAME: X:\FY20\1200383\04.CAD_BIM\04.02.CAD\LLP501.dwg PLOTTED: Thursday, May 06, 2021