



- ### GRADING & STORM DRAINAGE NOTES
- FOR STRUCTURE PIPE SIZES & INVERT ELEVATIONS SEE PROFILE.
  - ALL STORM DRAINAGE SHALL BE HDPE PER GADOT SPECIFICATION 845 OR ALUMINUM COATED TYPE 2 CORRUGATED STEEL PIPE PER GADOT SPECIFICATION 844.08. MINIMUM CMP PIPE THICKNESS SHALL BE 14 GAUGE.
  - ALL STORM DRAIN PIPE SHALL CONFORM TO GADOT STANDARD 10300 OR 1030P FOR STRUCTURAL REQUIREMENTS.
  - ALL CAST STRUCTURES SHALL BE PER GADOT STANDARD 1040.
  - MANTE INLET SHALL HAVE GDOT STANDARD 1019A FRAME AND GRATE.
  - ALL DISCHARGE HEADWALLS TO BE ENERGY DISSIPATING HEADWALL UNLESS NOTED OTHERWISE.
  - A. ALL FILL TO BE COMPACTED TO 95% STANDARD PROCTOR.  
7.B. THE TOP 2" OF ALL AREAS TO RECEIVE PAVEMENT OR STRUCTURES SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.
  - ALL SPOT ELEVATIONS SHOWN AT CURBS REPRESENT ELEVATION OF GUTTER AT FACE OF CURB UNLESS NOTED OTHERWISE.
  - ALL PROPOSED RETAINING WALLS TO BE DESIGNED BY A GEORGIA REGISTERED PROFESSIONAL ENGINEER.
  - ALL RETAINING WALLS OVER 3' IN HEIGHT HAVE PEDESTRIAN GUARDRAIL.
  - CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
  - CONSTRUCTION & MATERIALS SHALL COMPLY WITH THE APPROPRIATE GOVERNING AUTHORITY'S STANDARDS & SPECIFICATIONS.
  - UTILITY LOCATIONS SHOWN ARE APPROXIMATE. BEWARE OF HIDDEN UTILITIES NOT SHOWN. CONTACT APPROPRIATE UTILITY COMPANIES PRIOR TO EXCAVATION.
  - BUILDING FOOTPRINT SHOWN IS APPROXIMATE. SEE ARCHITECTURAL PLANS.

- ### GWINNETT COUNTY STORMWATER NOTES
- THE ENGINEER AND DEVELOPER ACKNOWLEDGE THAT ALL WORK REPRESENTED IN THESE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED AND WILL BE CONSTRUCTED TO FULLY COMPLY WITH GWINNETT COUNTY REGULATIONS AND ORDINANCES. ACTUAL FIELD CONDITIONS COULD DICTATE MORE STRINGENT REQUIREMENTS, IF DEEMED NECESSARY BY THE COUNTY INSPECTOR.
  - ALL SWM UTILITIES TO BE INSPECTED BY DEPARTMENT OF WATER RESOURCES.
  - THERE IS NO FLOODPLAIN ON THIS PROPERTY FROM A WATER COURSE WITH A DRAINAGE AREA EXCEEDING 100 ACRES OR FLOODPLAIN PER FIRM PANEL 13135C0115F DATED 09/29/2006.
  - THERE ARE NO WETLANDS BEING DISTURBED ON THIS SITE.
  - STORM WATER MANAGEMENT FOR THIS PROJECT IS PROVIDED ON-SITE.
  - THERE ARE NO STREAM BUFFERS ON THIS PROPERTY.
  - WETLAND CERTIFICATION: THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING: 1) THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED, AND 2) THE APPROPRIATE PLAN SHEET (1) DOES / (X) DOES NOT (CIRCLE APPROPRIATE BOX) INDICATE AREAS OF UNITED STATES ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON THE MAPS; AND, 3) IF WETLANDS ARE INDICATED, THE LAND OWNER OR DEVELOPER HAS BEEN ADVISED THAT LAND DISTURBANCE OF PROTECTED WETLANDS SHALL NOT OCCUR UNLESS THE APPROPRIATE FEDERAL WETLANDS ALTERATION (SECTION 404) PERMIT HAS BEEN OBTAINED.
  - COMMERCIAL - GWINNETT COUNTY ASSUMES NO RESPONSIBILITY FOR OVERFLOW OR EROSION OF NATURAL OR ARTIFICIAL DRAINS BEYOND THE EXTENT OF THE STREET RIGHT-OF-WAY, OR FOR THE EXTENSION OF CULVERTS BEYOND THE POINT SHOWN ON THE APPROVED AND RECORDED PLAN. GWINNETT COUNTY DOES NOT ASSUME THE RESPONSIBILITY FOR THE MAINTENANCE OF PIPES IN DRAINAGE EASEMENTS BEYOND THE COUNTY RIGHT-OF-WAY.
  - MAXIMUM SLOPE FOR CUT OR FILL IS 2H:1V EXCEPT EARTHEN DAM EMBANKMENTS SHALL BE 3H:1V.
  - DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
  - DEVELOPER IS TO CLEAN OUT ACCUMULATED SILT IN DETENTION POND AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.
  - A SEPARATE BUILDING PERMIT SHALL BE OBTAINED PRIOR TO CONSTRUCTION FOR EACH SITE RETAINING WALL (WHICH EITHER EXCEEDS 4 FEET IN HEIGHT OR WHICH HAS A BACKFILL SLOPE GREATER THAN 1 FOOT RISE IN 3 FEET HORIZONTAL) AND FOR EACH DETENTION POND WALL (DAM) IN ACCORDANCE WITH GWINNETT COUNTY CONSTRUCTION CODE SECTION 103.1.1. A CERTIFICATE OF COMPLETION SHALL BE ISSUED BY GWINNETT COUNTY BUILDING INSPECTIONS SECTION FOR ALL WALLS PERTINENT TO THE PROJECT PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR ANY USABLE STRUCTURE ON THE SITE OR PRIOR TO APPROVAL OF THE FINAL SUBDIVISION PLAT AS APPLICABLE.
  - ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.
  - CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.
  - TOTAL WETLAND ACRES ON SITE ARE 0.
  - A REVISION TO THE EC PLAN IS REQUIRED WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, THAT WILL HAVE A SIGNIFICANT EFFECT ON EMPS WITH A HYDRAULIC COMPONENT, OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING POLLUTANT DISCHARGE.

NOTE: SEE STORM DRAINAGE DETAILS, SHEET CD-2.1 FOR TRENCH DRAIN AND 12" HDPE TRENCH DRAIN PIPE CAPACITY CALCULATIONS.

TIE EXISTING 48" CMP TO STRUCTURE S04  
14 L.F. OF 12" HDPE @ MIN 1% SLOPE  
TIE TO STRUCTURE S04  
(SEE STORM RUN B PROFILE)

PROP TRENCH DRAIN 12" DEEP X 21" WIDE W/  
EAST JORDAN IRON WORKS 6957M2-TRENCH GRATE  
OR APPROVED EQUAL  
(SEE DETAIL, SHEET C-2.2)

PROPOSED JUNCTION BOX W/ WEIR PLATE  
TO SERVE AS OUTLET CONTROL STRUCTURE  
(SEE DETAIL, SHEET C-2.2)

TIE PROP PIPE 03 TO  
EXIST 1033D CATCH BASIN

N/F  
COLLIERO FAMILY PARTNERS LP  
PARCEL ID: 8087 282  
ZONING: C2  
DB 18734 PG 0001

N/F  
SUP 1 FIVE FORKS CROSSING LLC  
PARCEL ID: 6187 103  
ZONING: C2  
DB 35927 PG 861

N/F  
FAMILY CAR WASH LLC  
PARCEL ID: 8087 172  
ZONING: C2  
DB 58070 PG 74

- NOTE:
- BOUNDARY INFORMATION SHOWN OBTAINED FROM BOUNDARY SURVEY PREPARED BY BOUNDARY ZONE, INC., DATED 09/13/2016.
  - TOPOGRAPHIC DATA OBTAINED FROM FIELD SURVEY PERFORMED BY THE SOUTHEAST CIVIL GROUP, LLC.
  - THE F.I.R.M. PANEL 13135C0115F DATED 09/29/2006 INDICATES THIS PROPERTY OR A PORTION IS NOT LOCATED IN A FLOOD HAZARD AREA.
  - THE U.S. FISH & WILDLIFE NATIONAL WETLANDS INVENTORY MAP HAS BEEN CONSULTED, AND NO WETLANDS ARE SHOWN TO BE PRESENT WITHIN PROJECT LIMITS.

LEGEND	
[Symbol]	1033 CATCH BASIN
[Symbol]	1034 CMP ALLET
[Symbol]	1014 JUNCTION BOX
[Symbol]	1034 TYPE E CURB INLET
[Symbol]	1125 HEADWALL
[Symbol]	1125 HEADWALL
[Symbol]	SEWER MANHOLE
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	CAMP POST
[Symbol]	OUT POLE
[Symbol]	UTILITY POLE
[Symbol]	UNDERGROUND DOWNPOUT
[Symbol]	UNDERGROUND DOWNPOUT
[Symbol]	WATER VALVE
[Symbol]	GAS VALVE
[Symbol]	HANDICAPPED PARKING
[Symbol]	TREATED FLOW
[Symbol]	UNDERGROUND POWER
[Symbol]	OVERHEAD POWER
[Symbol]	UNDERGROUND TELEPHONE
[Symbol]	OVERHEAD TELEPHONE
[Symbol]	WATER
[Symbol]	SANITARY SEWER
[Symbol]	FORCE MAIN
[Symbol]	GAS
[Symbol]	STORM DRAIN
[Symbol]	SEDIMENT BARRIER
[Symbol]	TREE PROTECTION FENCE
[Symbol]	PROPOSED FENCE
[Symbol]	EXISTING FENCE
[Symbol]	PROPERTY LINE
[Symbol]	EXISTING CONTOUR
[Symbol]	PROPOSED CONTOUR
[Symbol]	EXISTING CURB & GUTTER
[Symbol]	PROPOSED CURB & GUTTER
[Symbol]	EXISTING SPOT ELEVATION
[Symbol]	PROPOSED SPOT ELEVATION
[Symbol]	EXISTING WATER METER
[Symbol]	PROPOSED WATER METER
[Symbol]	WALKBOX
[Symbol]	GAS METER
[Symbol]	POWER METER

GWINNETT COUNTY  
Department of Planning and Development  
These project documents have been reviewed by applicable County Departments and have been found to be in substantial compliance with the applicable codes and regulations.  
Jun 02, 2020  
AUTHORIZED

REV.	DATE	DESCRIPTION
3	02/05/2020	REVISED PER GWINNETT COUNTY COMMENTS
2	12/13/2019	REVISED PER GWINNETT COUNTY COMMENTS
1	10/16/2019	REVISED GRADING AND STORM DRAINAGE

JOB #: 181101  
SCALE: 1"=20'  
DATE: 5/17/2019  
DESIGN BY: MGF

DRAINAGE PLAN  
3020 FIVE FORKS TRUCKWASH ROAD  
SHEET: C-2.1

LOCATED IN 41.87, DISTRICT 06, GWINNETT COUNTY, GEORGIA

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