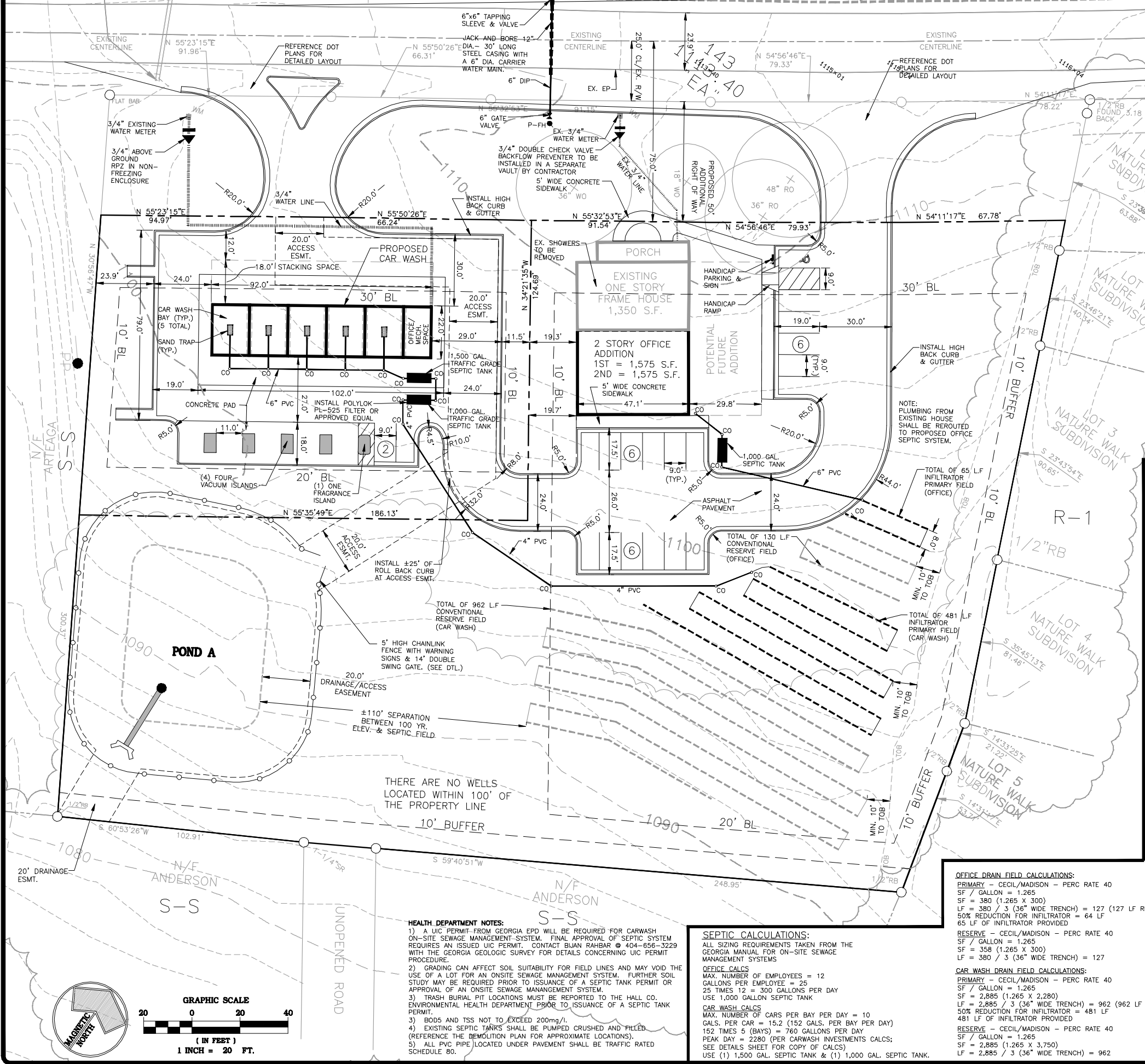


# GILLSVILLE HIGHWAY (S.R. 323) EX. 50' R/W



- GENERAL NOTES:**
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED.
  2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
  3. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND ANY RECOMMENDATIONS BY A QUALIFIED REGISTERED GEOTECHNICAL ENGINEER.
  4. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION.
  5. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
  6. BOUNDARY & TOPOGRAPHIC INFORMATION WAS TAKEN FROM FIELD INFO PREPARED BY VENABLE AND ASSOCIATES, INC. DATED 2/28/06
  7. SOURCE OF DATUM IS MEAN SEA LEVEL
  8. THE PROPOSED USE OF THE PROPERTY IS A SELF SERVE CAR WASH & AN OFFICE BUILDING. THE PROPOSED NONRESIDENTIAL FLOOR AREA IS 4,500 S.F. (OFFICE SPACE) & 2,024 S.F. (CAR WASH).
  9. PARKING REQUIRED= 16 SPACES (3.5 SPACES PER 1000 G/GA OR ((4,500/1000) X 3.5)) PARKING PROVIDED= 20 SPACES (INCLUDING 1 VAN ACCESSIBLE HC SPACE.)
  10. NO PARKING LOT LIGHTING IS PROPOSED.

**SIGN & STRIPING NOTES:**

ALL SIGNS SHALL CONFORM WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND HALL COUNTY FOR COLOR, SIZE, REFLECTIVITY, HEIGHT AND PLACEMENT.

STRIPING (WHITE AND YELLOW) AND ARROW MARKING SHALL BE APPLIED USING HALL COUNTY OR GEORGIA DOT STANDARD THERMOPLASTIC.

ALL SIGNS MUST BE INSTALLED CONCURRENTLY WITH THE PERFORMANCE OF THE STRIPING WORK.

- UTILITY NOTES:**
- 1) THE GAINESVILLE PUBLIC UTILITIES DEPARTMENT SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY WATER OR SANITARY SEWER LINE CONSTRUCTION OR REPAIRS. ONLY CONTRACTORS APPROVED BY GAINESVILLE PUBLIC UTILITIES DEPARTMENT WILL BE ALLOWED TO PERFORM CONSTRUCTION OR REPAIRS CONNECTED TO SAID WATER OR SANITARY SEWER MAINS. CALL ENGINEERING INSPECTOR'S OFFICE AT (770) 538-2407 PRIOR TO BEGINNING CONSTRUCTION OR TO BECOME AN APPROVED CONTRACTOR.
  - 2) ALL WATER MAIN AND SANITARY SEWER MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF GAINESVILLE "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF WATER MAINS AND SANITARY SEWERS, LATEST EDITION."
  - 3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND/OR THE CITY INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS. FINAL ACCEPTANCE OF WATER AND/OR SEWER MAIN CONSTRUCTION WILL NOT BE GRANTED UNTIL "AS-BUILT" DRAWINGS HAVE BEEN RECEIVED BY UTILITIES ENGINEERING AND PLANNING OFFICE.
  - 4) INSTALL A RPZ ABOVE GROUND NON-FREEZING ENCLOSURE.
  - 5) PRIOR TO BACKFLOW PREVENTOR INSTALLATION, CONTACT BACKFLOW INSPECTOR AT (770) 297-5443.
  - 6) BACKFLOW PREVENTION DEVICE INSTALLATION REQUIRES A PLUMBING PERMIT TO BE OBTAINED FROM HALL COUNTY/CITY OF GAINESVILLE BLDG. INSP. DEPT. BY A MASTER PLUMBER.



COUNTY: Hall	DATE: 03/08/2005
CLIENT: APM Properties, LLC	Project No: 1982
SITE LOCATION ADDRESS: 3028 Gillsville Highway (a.k.a. Highway 323), Land Lot 76, Headrights Area	
LOT NUMBER(S): N/A	
SUBDIVISION(S): N/A	
SCALE: 1"=50'	
INTENSITY LEVEL OF INVESTIGATION: 3	

**ESTIMATED SOIL PROPERTIES ON MEASUREMENTS**

SOIL SERIES <i>See suitability codes</i>	SLOPE % ranges of the soil type	DEPTH TO BEDROCK (inches)	DEPTH TO SEASONAL HIGH H2O TABLE (inches)	ABSORPTION RATE AT RECOMMENDED TRENCH DEPTH (inches)	DEPTH TO OPTIMUM PERCOLATION (inches)	SUITABILITY CODE <i>(listed below)</i>
Cecil	2-6	>72	>72	40	42	A
Madison	2-6	>72	>72	40	42	A

**SUITABILITY CODE DESCRIPTIONS AND GENERAL NOTES**

A= This type of soil is generally considered to be favorable for use with standard septic systems and should have suitability to function as suitable absorption field with proper design, installation, and maintenance. Suitability is determined based on an onsite evaluation by individuals who are approved by GA DHR.



**OFFICE DRAIN FIELD CALCULATIONS:**  
 PRIMARY - CECIL/MADISON - PERC RATE 40  
 SF / GALLON = 1.265  
 SF = 380 (1.265 x 300)  
 LF = 380 / 3 (36" WIDE TRENCH) = 127 (127 LF REQUIRED)  
 50% REDUCTION FOR INFILTRATOR = 64 LF  
 65 LF OF INFILTRATOR PROVIDED

**RESERVE - CECIL/MADISON - PERC RATE 40**  
 SF / GALLON = 1.265  
 SF = 358 (1.265 x 300)  
 LF = 380 / 3 (36" WIDE TRENCH) = 127

**CAR WASH DRAIN FIELD CALCULATIONS:**  
 PRIMARY - CECIL/MADISON - PERC RATE 40  
 SF / GALLON = 1.265  
 SF = 2,885 (1.265 x 2,280)  
 LF = 2,885 / 3 (36" WIDE TRENCH) = 962 (962 LF REQUIRED)  
 50% REDUCTION FOR INFILTRATOR = 481 LF  
 481 LF OF INFILTRATOR PROVIDED

**RESERVE - CECIL/MADISON - PERC RATE 40**  
 SF / GALLON = 1.265  
 SF = 2,885 (1.265 x 3,750)  
 LF = 2,885 / 3 (36" WIDE TRENCH) = 962

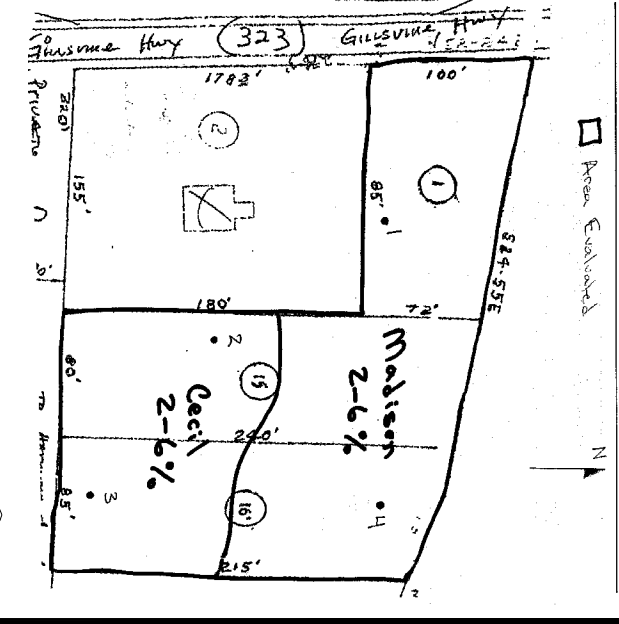
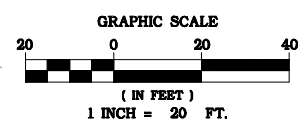
**SEPTIC CALCULATIONS:**  
 ALL SIZING REQUIREMENTS TAKEN FROM THE GEORGIA MANUAL FOR ON-SITE SEWAGE MANAGEMENT SYSTEMS

**OFFICE CALCS**  
 MAX. NUMBER OF EMPLOYEES = 12  
 GALLONS PER EMPLOYEE = 25  
 25 TIMES 12 = 300 GALLONS PER DAY  
 USE 1,000 GALLON SEPTIC TANK

**CAR WASH CALCS**  
 MAX. NUMBER OF CARS PER BAY PER DAY = 10  
 GALS. PER CAR = 15.2 (152 GALS. PER BAY PER DAY)  
 152 TIMES 5 (BAYS) = 760 GALLONS PER DAY  
 PEAK DAY = 2280 (PER CARWASH INVESTMENTS CALCS;  
 USE DETAILS SHEET FOR COPY OF CALCS)  
 USE (1) 1,500 GAL. SEPTIC TANK & (1) 1,000 GAL. SEPTIC TANK.

**HEALTH DEPARTMENT NOTES:**

- 1) A UIC PERMIT FROM GEORGIA EPD WILL BE REQUIRED FOR CARWASH ON-SITE SEWAGE MANAGEMENT SYSTEM. FINAL APPROVAL OF SEPTIC SYSTEM REQUIRES AN ISSUED UIC PERMIT. CONTACT BUAN RAHBAR @ 404-656-3229 WITH THE GEORGIA GEOLOGIC SURVEY FOR DETAILS CONCERNING UIC PERMIT PROCEDURE.
- 2) GRADING CAN AFFECT SOIL SUITABILITY FOR FIELD LINES AND MAY VOID THE USE OF A LOT FOR AN ONSITE SEWAGE MANAGEMENT SYSTEM. FURTHER SOIL STUDY MAY BE REQUIRED PRIOR TO ISSUANCE OF A SEPTIC TANK PERMIT OR APPROVAL OF AN ONSITE SEWAGE MANAGEMENT SYSTEM.
- 3) TRASH BURIAL PIT LOCATIONS MUST BE REPORTED TO THE HALL CO. ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO ISSUANCE OF A SEPTIC TANK PERMIT.
- 4) BOD5 AND TSS NOT TO EXCEED 200mg/l.
- 5) EXISTING SEPTIC TANKS SHALL BE PUMPED CRUSHED AND FILLED (REFERENCE THE DEMOLITION PLAN FOR APPROXIMATE LOCATIONS).
- 6) ALL PVC PIPE LOCATED UNDER PAVEMENT SHALL BE TRAFFIC RATED SCHEDULE 80.



**CIVIL ENGINEERING  
 LANDSCAPE ARCHITECTURE  
 SITE PLANNING**

**DAY  
 DESIGN  
 GROUP, Inc.**

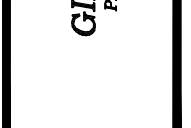
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 (770) 714-8477 fax  
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 2106 ABBOTT DRIVE  
 BUFORD, GA 30519

**DAY  
 DESIGN  
 GROUP, Inc.**

**GILLSVILLE HWY TRACT  
 PROPOSED CAR WASH & OFFICE ADDITION**

TADMORE MILITIA DISTRICT - 3020 GILLSVILLE HWY.,  
 GAINESVILLE, HALL COUNTY, GEORGIA

SITE & UTILITY PLAN FOR



NO.	DATE	REVISIONS PER COUNTY COMMENTS	DESCRIPTION
1	4/19/06		

DATE: 03/13/06  
 DRAWN BY: JAM  
 JOB NO.: 06-106

SHEET 3 OF 8