

COUNTY:	Barrow	DATE:	2/24/2006
OWNER:	Derrick Meek (770)867-8475		
SUBDIVISION:	Winder, Ga 30680		
SITE LOCATION ADDRESS:	Park Place		
	Lot 12		
INTENSITY LEVEL OF INVESTIGATION:	Level 3		
SCALE:	ONE INCH = 60 FEET		
THIS REPORT IS BASED ON CONVENTIONAL SEPTIC SYSTEMS AND ALL RECOMMENDATIONS ARE BASED ON INSTALLATION FROM THE ORIGINAL SOIL SURFACE.			

MAP UNIT	SOIL SERIES	SLOPE %	DEPTH TO BEDROCK (INCHES)	DEPTH TO SEASONAL HIGH H2O TABLE (INCHES)	PERC RATE AT OPTIMUM DEPTH (MIN/IN. PRELIM)	DEPTH TO OPTIMUM PERC. (INCHES) MEASURED	SUITABILITY CODE (See attachment for definitions)
	ASHLAR	verified	verified	>24	SEE CODES	SEE CODES	H
	CECIL	0-5	>60	>60	55	30	A
	PACOLET	5-15	>60	>60	55	30	A
	PACOLET VARIANT	5-15	45	>45	SEE CODES	SEE CODES	H

AREAS WHICH FLOOD OR HAVE POTENTIAL FOR PROBLEMS ASSOCIATED WITH FLOODING SHOULD NOT BE UTILIZED. IF THE AREA WHERE SEPTIC SYSTEM IS TO GO IS ALTERED BY CUTTING OR FILLING, THIS DOCUMENT IS VOID.

→	DRAINAGE, RUNS ALL YEAR, (ONE DOT)
→	DRAINAGE, RUNS PART OF YEAR, (3 DOTS)
→	SLOPE (DIRECTION FALLING)
○	WELL
○	TANK AND SYSTEM IN FIRST
---	BOUNDARY OF SOIL STUDY AREA
---	GULCH, AND OR RAINY WEATHER DRAINAGE WAY
○	ROCK OUTCROP
○	BORED, NUMBERED & FLAGGED HOLE SITE

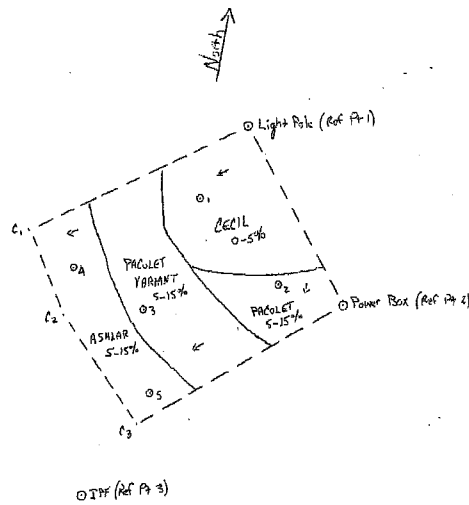
Any changes or alterations made to the soil maps or interpretations without the written approval of Christopher N. Edmonds voids the seal of the Soil Classifier. The information contained in this report is based on the professional opinions and judgment of the Soil Classifier and is not a guarantee of the performance of any waste disposal system. Christopher N. Edmonds does not design, install, maintain or permit waste disposal systems. Your local health department may view the soil conditions differently than the Soil Classifier and will have the final say in their county. Your local health department holds full authority in the permitting of onsite waste disposal systems. Christopher N. Edmonds produces soil surveys inclusive of the USDA Soil Survey Manual, U.S. Soil Taxonomy, and all mapping is done in accordance to the National Cooperative Soil Survey Standards. Also, all work meets or exceeds the Georgia Soil Classifiers Certification Board Minimum Soil Investigation Standards for Onsite Sewage Disposal Systems.

NOTES:

Hydraulic Loading Rates:

ASHLAR, 5-15% Slopes	0.1 GPD/Sq Ft
CECIL, 0-5% Slopes	0.1 GPD/Sq Ft
PACOLET, 5-15% Slopes	0.1 GPD/Sq Ft
PACOLET VARIANT, 5-15% Slopes	0.1 GPD/Sq Ft

- A SUITABILITY CODE-SOIL SERIES SHOULD HAVE ABILITY TO FUNCTION AS SUITABLE ABSORPTION FIELD WITH PROPER DESIGN, INSTALLATION, AND MAINTENANCE.
- H SUITABILITY CODE-DUE TO BEDROCK LIMITATIONS, THESE SOILS ARE NOT SUITABLE FOR CONVENTIONAL ABSORPTION FIELDS. PLEASE DISCUSS ALTERNATIVE SYSTEM OPTIONS WITH YOUR LOCAL HEALTH DEPARTMENT.

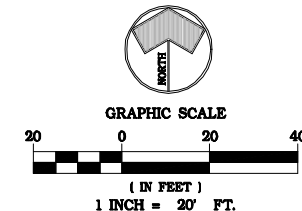
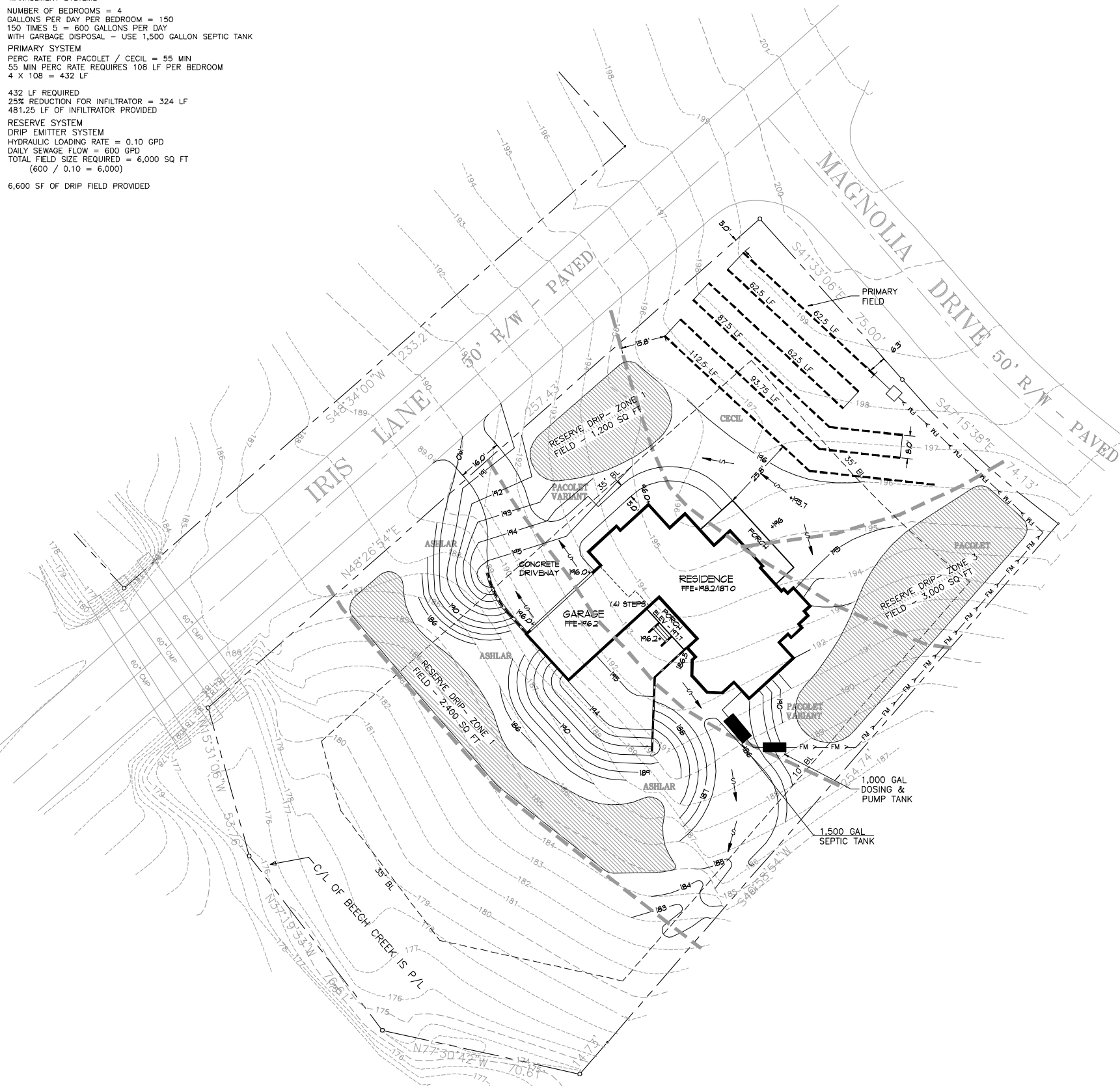


Soil Sample Sites Located Using
 A Hip Chain and Brunton Compass



- NOTES:
- THE UTILITIES SHOWN HERE HAVE BEEN LOCATED IN AN APPROXIMATE WAY. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL UTILITIES MARKED AND CONTACT THE UTILITY PROTECTION CENTER AT (1-800-282-7411); VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES; AND PROTECT ALL UTILITIES FROM DAMAGE OR INTERRUPTION; AND BE SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES OCCASIONED DUE FROM FAILURE TO VERIFY THE LOCATION OR PROTECT UTILITIES.
 - BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM FIELD INFORMATION BY LANDMARK ENGINEERING.
 - REFER TO ARCHITECTURAL PLANS BY OTHERS FOR FOOTPRINT DIMENSIONS, ELEVATIONS, AND FINISHES.
 - GRADING PLAN IS CONCEPTUAL AND SHOULD BE USED FOR PLANNING PURPOSES ONLY. GRADING WAS PERFORMED IN A MANNER TO MINIMIZE DISTURBED AREA. FIELD ADJUSTMENTS MAYBE REQUIRED TO RENDER A MORE AESTHETIC EFFECT OR IMPROVE DRAINAGE. THE CONTRACTOR IS RESPONSIBLE FOR INSURING PROPER DRAINAGE. ADDITIONAL SYSTEMS MAY BE DEEMED NECESSARY BY THE CONTRACTOR.

SEPTIC SIZING CALCULATIONS:
 ALL SIZING REQUIREMENTS TAKEN FROM THE GEORGIA MANUAL FOR ON-SITE SEWAGE MANAGEMENT SYSTEMS
 NUMBER OF BEDROOMS = 4
 GALLONS PER DAY PER BEDROOM = 150
 150 TIMES 5 = 600 GALLONS PER DAY
 WITH GARBAGE DISPOSAL - USE 1,500 GALLON SEPTIC TANK
 PRIMARY SYSTEM
 PERC RATE FOR PACOLET / CECIL = 55 MIN
 55 MIN PERC RATE REQUIRES 108 LF PER BEDROOM
 4 X 108 = 432 LF
 432 LF REQUIRED
 25% REDUCTION FOR INFILTRATOR = 324 LF
 481.25 LF OF INFILTRATOR PROVIDED
 RESERVE SYSTEM
 DRIP EMITTER SYSTEM
 HYDRAULIC LOADING RATE = 0.10 GPD
 DAILY SEWAGE FLOW = 600 GPD
 TOTAL FIELD SIZE REQUIRED = 6,000 SQ FT
 (600 / 0.10 = 6,000)
 6,600 SF OF DRIP FIELD PROVIDED



CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
SITE PLANNING
 P.O. BOX 848
 BUFORD, GA 30515
 (770) 271-4875
 (678) 714-8477
 dgg@daydesigngroup.com
 www.daydesigngroup.com

DAY DESIGN GROUP, Inc.

SEPTIC PLAN FOR
MEEK RESIDENCE - LOT 12
 PARK PLACE SUBDIVISION
 LOCATED IN
 CITY OF WINDER
 BARROW COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS

DATE: 7/14/06
 DRAWN BY: BHD
 JOB NO.: 06-128

SHEET	OF
1	1