

COUNTY #

SOIL PROFILE

7000

Red Br Heavy Loam

Red Br Si Loam and Dense Sa Loam

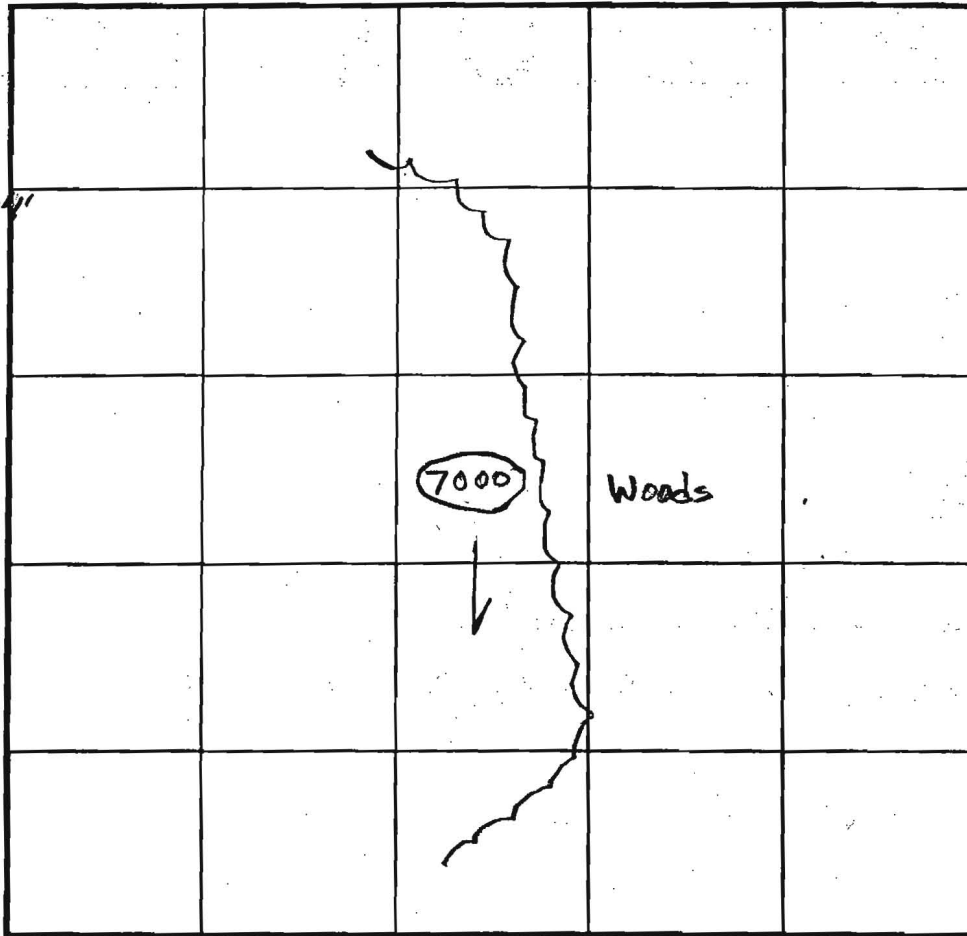
~25% Rock

3.5'-4'

13.5'

SOIL PROFILE

Empty rectangular box for soil profile notes.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/24/03	7000	5.5'/13.5'	2:27	2:28	2:28	2:29:30	1 1/2
	Repour	5.5'	2:32	2:33:50	2:33:50	2:36	~2 1/2
		4' 4"	2:41	2:52	2:52	3:10	18
		7.5'	2:56	3:05:30	3:05:30	3:18	12 1/2

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SO FT/ROOM _____

516084
COUNTY #

SOIL PROFILE

(210)

Red Br
Heavy Loam

2.5'-4.5'

Tan Sa
Loam
15-20%
Rock and
Saprolite

(212)

Red Br
Heavy Loam

3.5'-4'

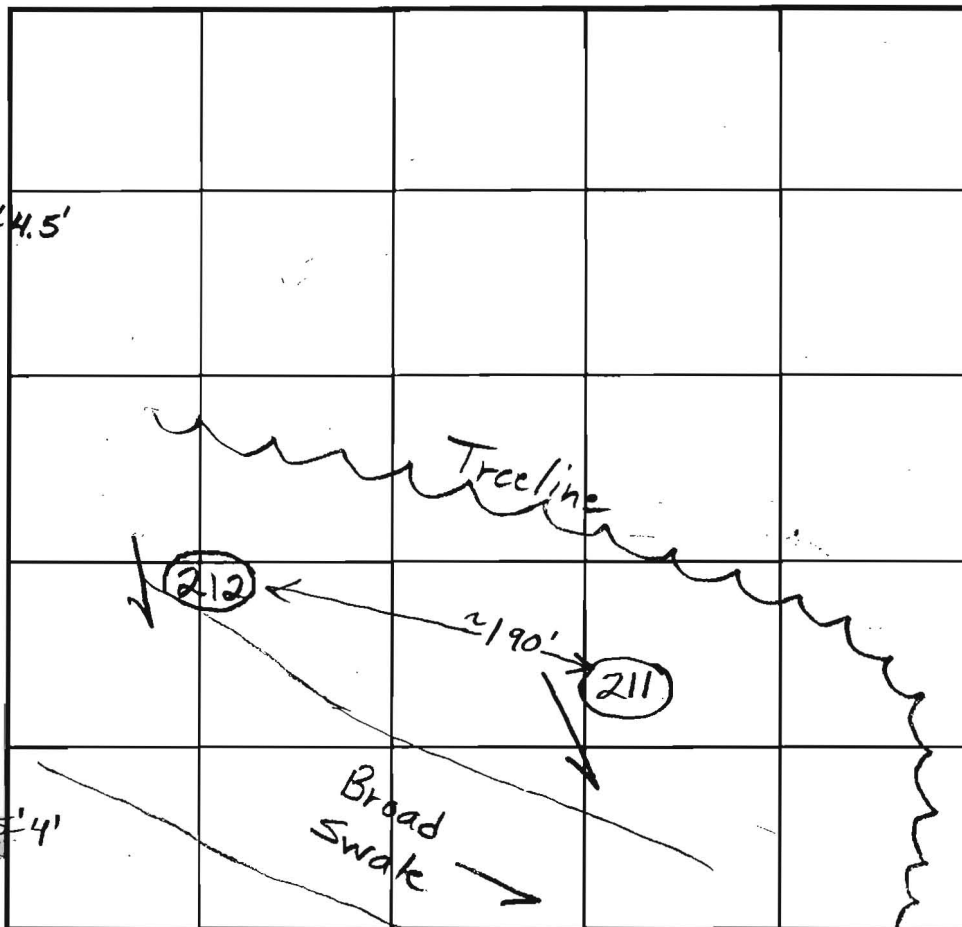
Light Or
Br Sa
Loam

~15%
Saprolite

14.5'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/23/02	211	5.5'/14.5'	1:17	1:20:30	1:20:30	1:26:30	6
		7'	1:17:15	1:19:15	1:19:15	1:23	~4
	212	5'/14.5'	1:34:15	1:36:40	1:36:40	1:42:30	~6
		7'	1:34:30	1:36:20	1:36:20	1:39:30	~3

OK

OK

REMARKS

Holes dug per plan

TYPE OF SOIL

TESTED BY

B. Baker

ALSO PRESENT

Hatzfeldt

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

516084

COUNTY #

SOIL PROFILE

(63C)

Red Br Heavy Loam
One 4' Wide Pocket of 30-40% Rock From 8.5'-10'

Tan Sa Loam Hole Has About 10% Rock Overall

(63B)

Red Br Heavy Loam

Red Br Si Loam With Traces of Clay ~5% Rock

Tan Sa Loam ~5% Rock

(63A)

Red Br Heavy Loam

Or Br Sa Loam

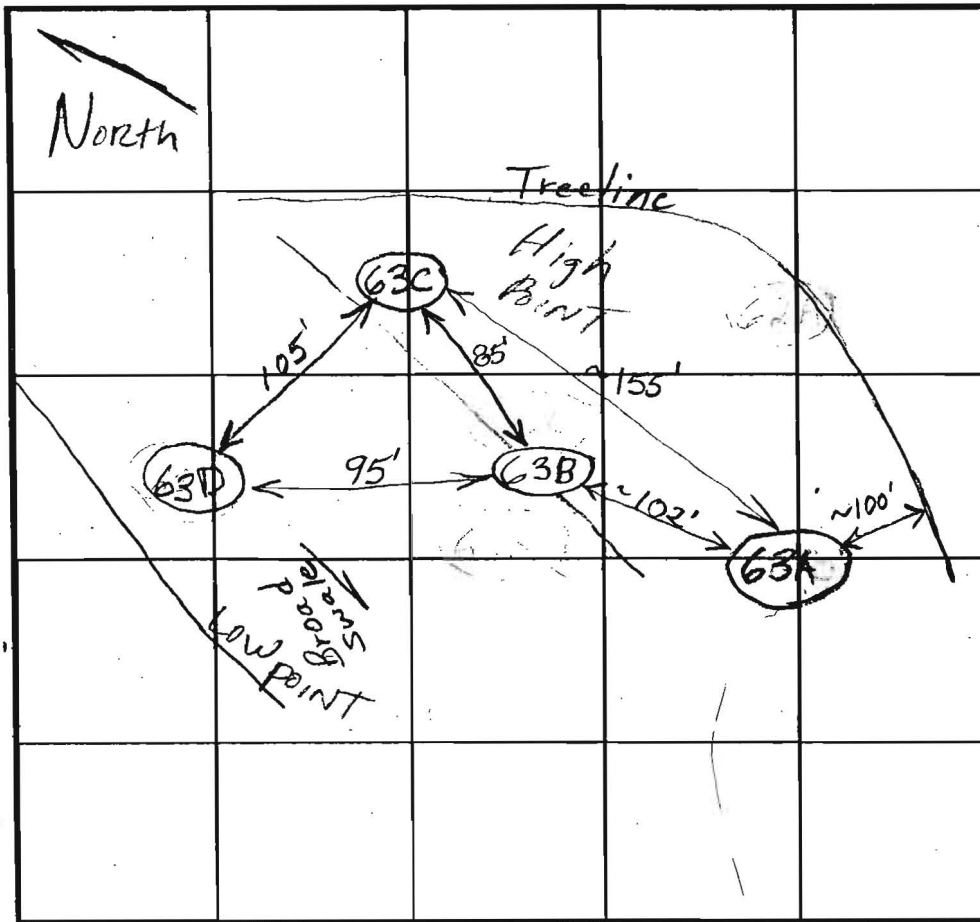
Large Pocket of ~30% Rock From 8'-11' ~10% Rock Avg.

SOIL PROFILE

(63D)

Red Br Heavy Loam ~5% Rock

Beige Sa Loam ~10% Rock



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/15/02	63C	5'8" / 14.5'	10:25:30	~1/4" in 20 minutes			Slow (F)
		7'	10:24	~1/4" in 20 minutes			Slow
	63B	5.5' / 14.5'	10:37	Pulled - Slow			Slow (OK)
		6' 9"	10:37:15	10:38	10:38	10:39:45	1/min 45 sec
	63A	5' / 14'	11:00:15	11:02:15	11:02:15	11:07	~5 (OK)
		6'	11:01	11:02:30	11:02:30	11:05	2 1/2
	63D	7'3" / 15.5'	11:17	~1/4" in 15 minutes			Slow (F)

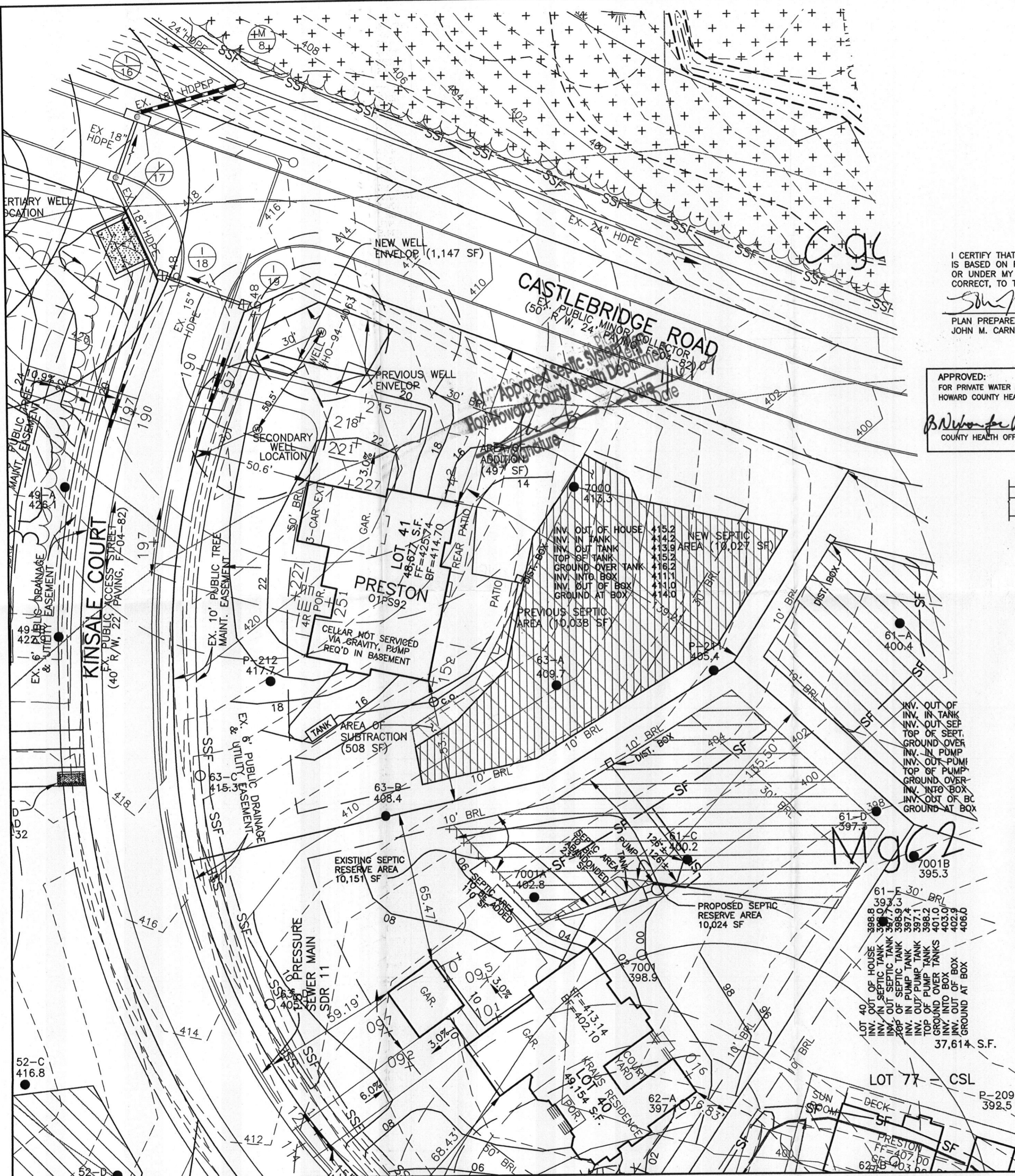
REMARKS: Holes per plan

TYPE OF SOIL: _____

TESTED BY: B. Baker ALSO PRESENT Hatfields

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____



NOTES:

- THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 1, PLAT No. 18035. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-05-31 AND MODIFIED FOR THIS SPECIFIC HOUSE.
- TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
- EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
- ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
- SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
- THE EXISTING WELL SHOWN ON THIS PLAN, HO-94-4063, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

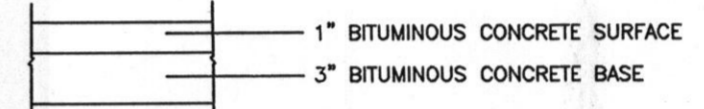
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

John M. Carney 1/12/09
 PLAN PREPARER
 JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
 FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
Peter Beilensen 1/16/2009
 COUNTY HEALTH OFFICER DATE

LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- FIELD SURVEYED WELL LOCATION
- 7001A 402.8 PASSED PERCOLATION TEST PER TEST NOTES
- 62-A 397.1 FAILED PERCOLATION TEST PER TEST NOTES
- EXISTING APPROVED SEPTIC RESERVE AREA
- PROPOSED RESERVED SEPTIC RESERVE AREA



PAVING SECTION
 NOT TO SCALE

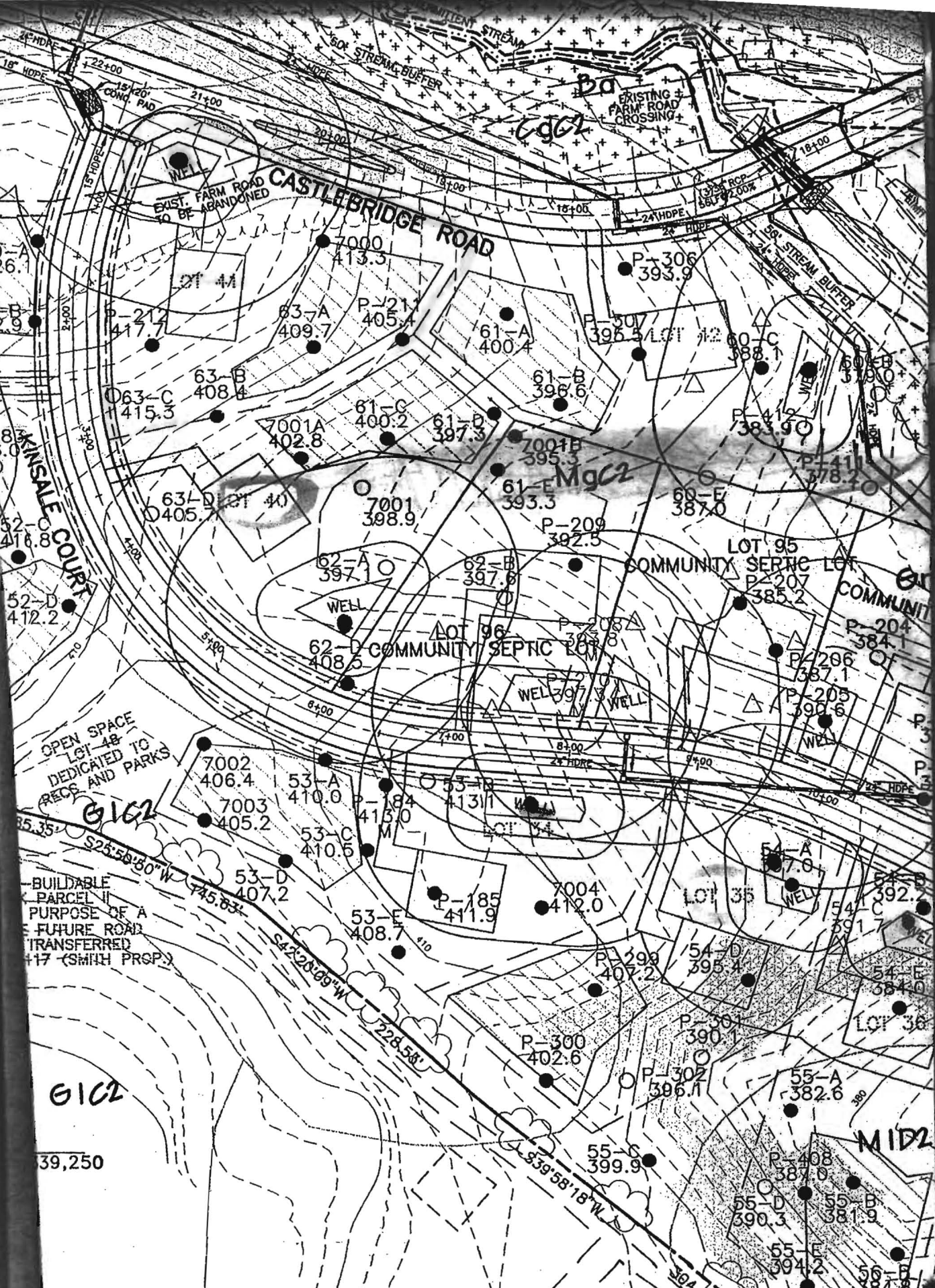


NO.	DATE	REVISION

BENCHMARK
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 PHONE: 410-465-6105 ▲ FAX: 410-465-6644
 EMAIL: benchmark@cais.com

OWNER/BUILDER: CAMBERLEY HOMES, INC. 6905 ROCKLEDGE DRIVE SUITE 800 BETHESDA, MD 20817 PHONE: 301-803-4800 FAX: 301-803-4929		PROJECT: RIVERWOOD LOT 41	
LOCATION: 11201 KINSALE COURT ELLICOTT CITY, MD 21042 TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20 3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		TITLE: REVISED PERCOLATION CERTIFICATION PLAN	
HOUSE TYPE: PRESTON		DATE: DECEMBER, 2008 JANUARY, 2009	
DESIGN: JMC		PROJECT NO. 1950	
DRAFT: JMC		SCALE: 1" = 30'	
		DRAWING 1 OF 1	



EDWARD H. MURPHY
 MARGARET M. MURPHY

