



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AIR 523064

AGENCY REVIEW: _____

DATE 8-3-05

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH unknown PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Natalie Ziegler & John Zirschky

DAYTIME PHONE 410-740-6880 CELL _____ FAX _____

MAILING ADDRESS 11352 Homewood Road Ellicott City, MD 21042
STREET CITY/TOWN STATE ZIP

APPLICANT Benchmark Engineering, Inc - John Carney

DAYTIME PHONE 410 465 6105 CELL _____ FAX _____

MAILING ADDRESS 8480 Baltimore National Pk, Suite 418, Ellicott City, MD 21043
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Carroll/Ziegler Parcel LOT NO. 3

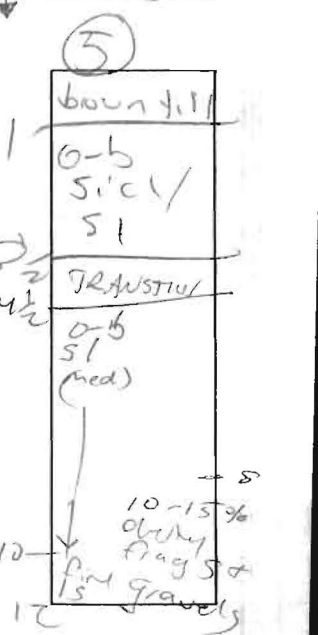
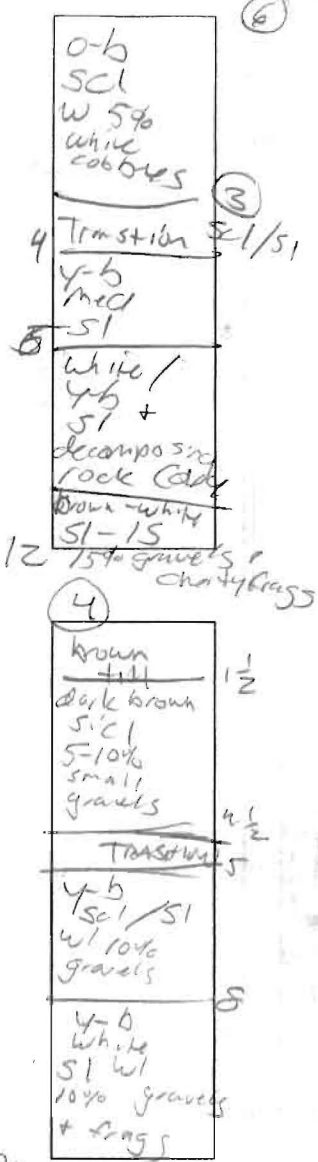
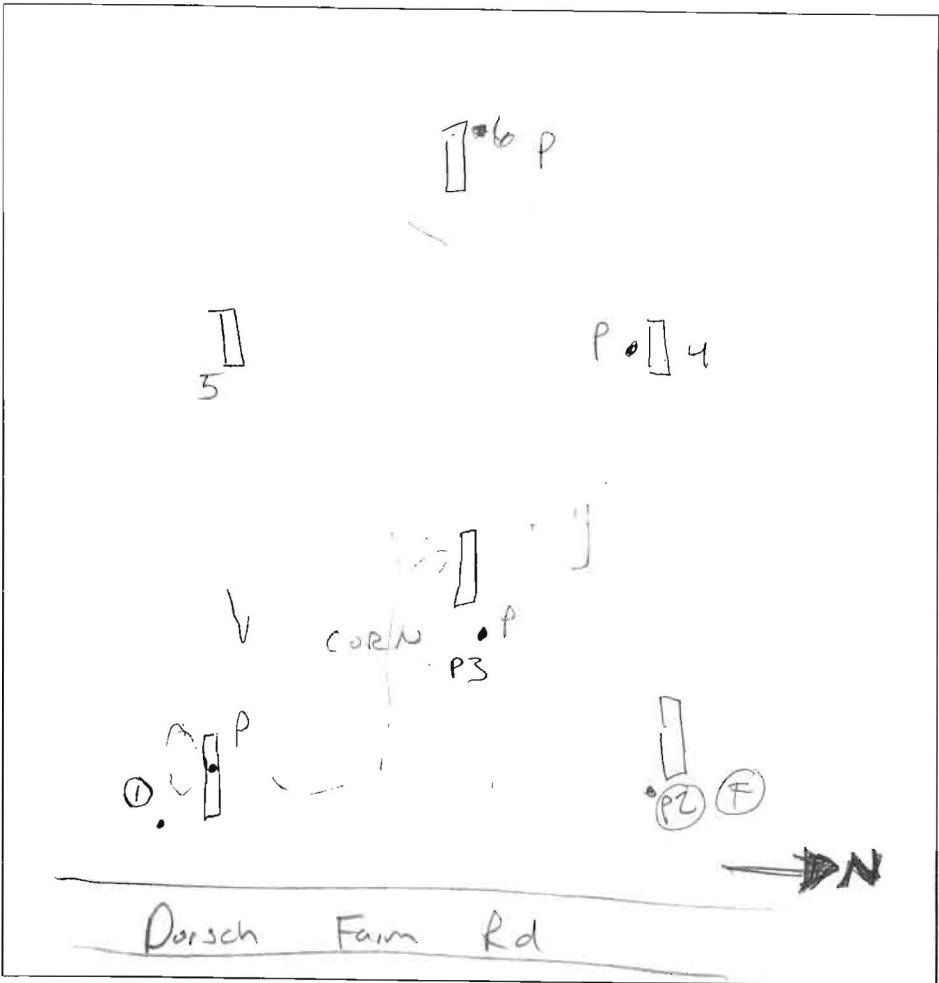
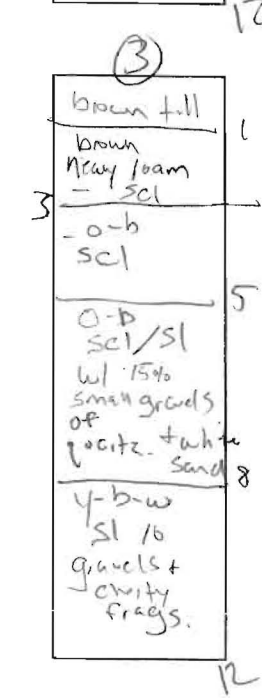
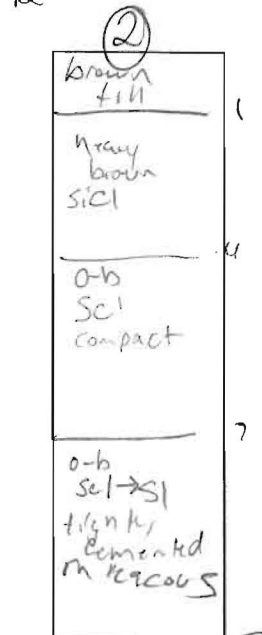
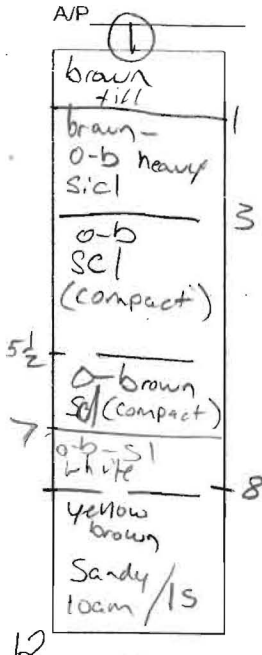
PROPERTY ADDRESS Terminus of Dorsch Farm Road Ellicott City
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 23 GRID 10 PARCEL(S) 130 PROPOSED LOT SIZE 1Ac

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. [Signature]
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
8/18	(P1)	6/12	8:54	slow			
	(P3)	5 1/2/12	8:56	9:10	9:24	14	P
	(2)	7/12	9:03	slow			F
	4	5/12	9:24	9:32	9:42	10	P
	5	5/12	9:40	9:43	9:48	5	P
	(1)	7/12	9:24	9:36	9:50	14	P
	6	5/12	9:29	9:31	9:34	2	P

REMARKS Dorsch Farm / cherty silty loam
 SANITARIAN PAY BACKHOE Mike Johnson OTHERS Deputy Owners
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

3010

468

EX. 24' PRIVATE INGRESS AND EGRESS EASEMENT FOR THE BENEFIT OF FOX'S FARM LOT 1, LOT 2, AND PRESERVATION PARCEL 'A' AND PARCEL 130 RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, LIBER 3281 AT FOLIO 0041

NON-BUILDABLE PRESERVATION PARCEL 'O'

HOWARD COUNTY AGRICULTURAL LAND PRESERVATION PROGRAM AS EASEMENT HOLDER OF A HOWARD COUNTY AGRICULTURAL LAND PRESERVATION EASEMENT.

PARCEL TO BE PRIVATELY OWNED
2.66 AC.± (total), 1.91 AC.± (this sheet) *ChA*
N89°30'16"E 1174.83'

107

EXISTING DRIVEWAY

1428.02'

24' PRIVATE INGRESS, EGRESS, MAINTENANCE, AND UTILITY EASEMENT TO BENEFIT CARROLL ZIEGLER PROPERTY LOT 1, PARCELS "C", "D", "I", AND "J"; CARROLL MILL, PARCEL B; AND FOX'S FARM, LOTS 1 AND 2

481

450

PERC 12
469.2

PERC 17
462.8

PERC 14
467.5

PERC 13
471.3

PERC 11
475.6

PERC 8
477.7

PERC 4
473.4

PERC 2
477.8

PERC 18
466.2

PERC 16
466.4

PERC 15
474.5

PERC 10
486.2

PERC 9
482.0

PERC 6
482.6

PERC 3
480.1

PERC 5
485.2

PERC 1
482.8

PERC 19
464.4

PERC 20
468.2

PERC 95

PERC 93
490.5

PERC 90
495.4

PERC 7
487.0

PERC 5
485.2

PERC 1
482.8

PERC 27
467.2

PERC 28
466.8

475

PERC 95

PERC 93
490.5

PERC 7
487.0

PERC 5
485.2

PERC 1
482.8

PERC 29
463.3

PERC 28
466.8

PERC 94
490.7

PERC 91
494.5

PERC 92
493.7

PERC 7
487.0

PERC 5
485.2

PERC 1
482.8

PERC 30
464.7

PERC 29
463.3

475

PERC 94
490.7

PERC 91
494.5

PERC 92
493.7

24' PRIVATE INGRESS, EGRESS, MAINTENANCE, & UTILITY EASEMENT TO BENEFIT LOTS 6 & 7

N04°30'11"E 63.18'

EXTEND PUBLIC ROAD 22' TYPICAL SECTION

S76°14'52"W 780.24'

EXISTING TEMPORARY T-TURN AROUND TO BE REMOVED

158

OPEN SPACE LOT 53

Approved perc cert 10/11/07

DEDICATED JO HOWARD

N05°33'34"E 223.99'

N04°39'45"E 301.26'

N76°14'52"E 62.65'

N04°42'08"W 54.91'

LOT 6
52,327 SF

LOT 7
50,415 SF

PERC 90
495.4

PERC 7
487.0

PERC 5
485.2

PERC 1
482.8

PERC 92
493.7

PERC 7
487.0

PERC 5
485.2

PERC 1
482.8

PERC 91
494.5

PERC 7
487.0

PERC 5
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PERC 1
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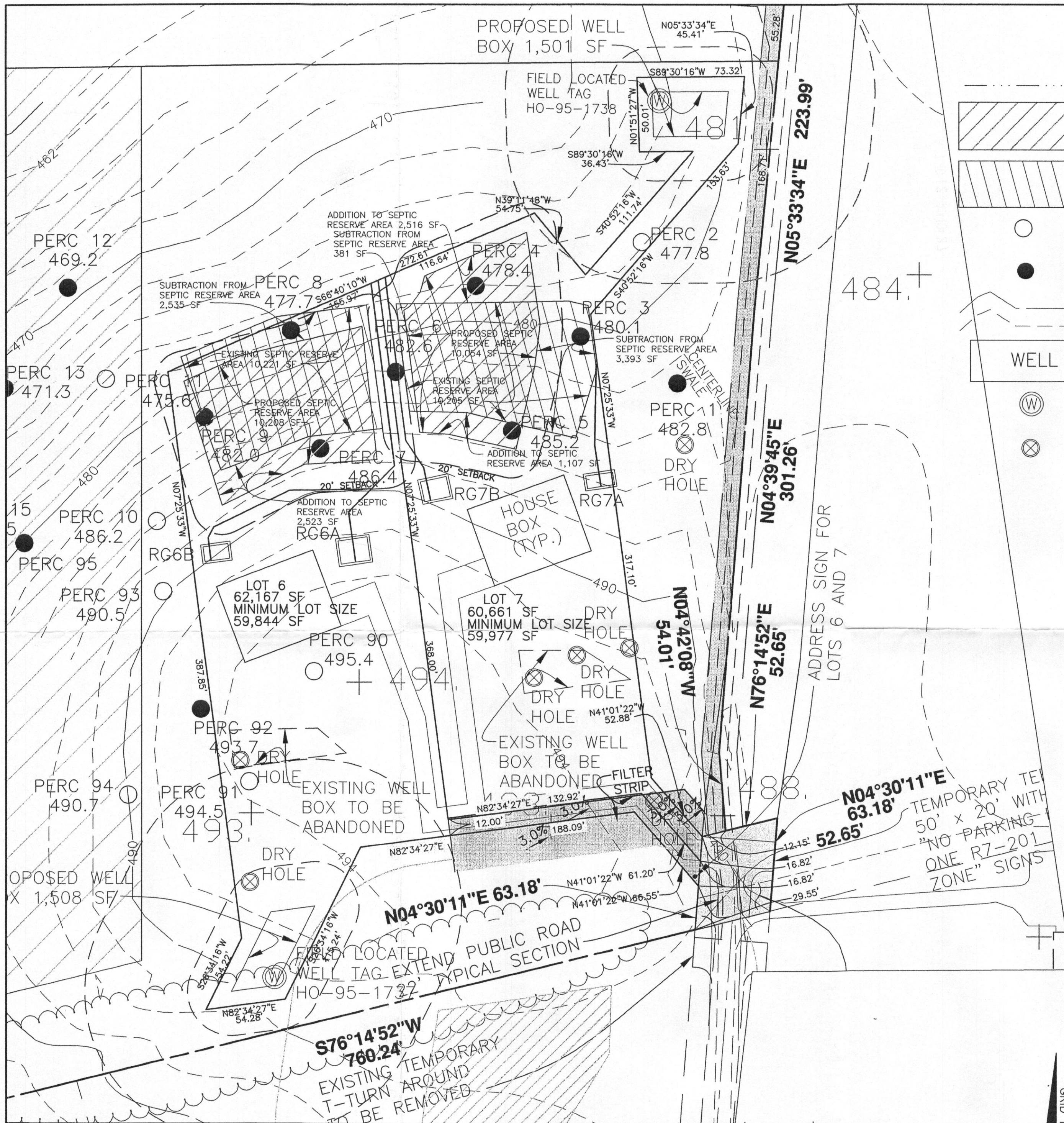
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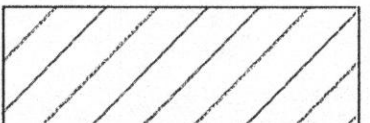




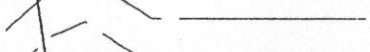
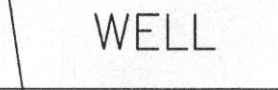


PERC 7
487.0

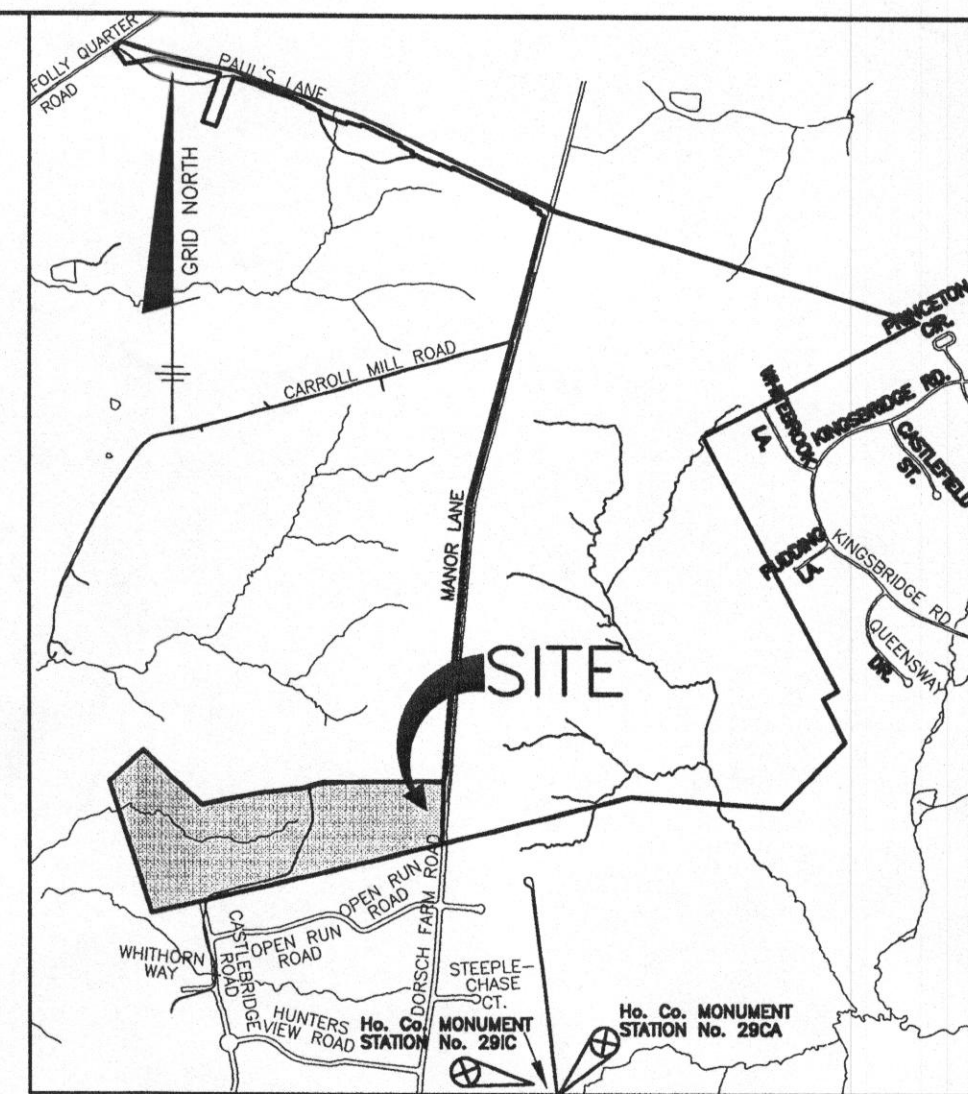
PERC 5
485.2

PERC 1
482.8




LEGEND

-  STREAM
-  PROPOSED SEPTIC EASEMENT
-  EXISTING SEPTIC EASE
-  FAILED PERCOLATION TEST LOCATION
-  PASSED PERCOLATION TEST LOCATION
-  EXISTING CONTOURS
-  WELL ENVELOPE
-  FIELD LOCATED WELL
-  DRY HOLE



VICINITY MAP
SCALE: 1" = 2000'

NOTES:

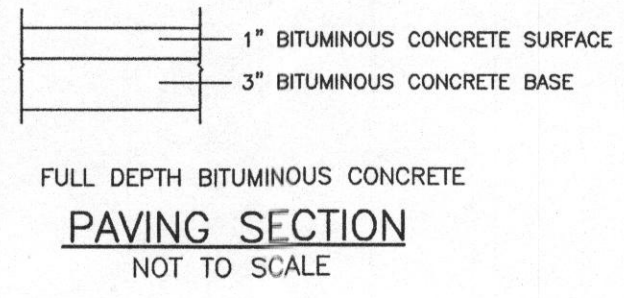
1. THE LOTS SHOWN HEREON ARE TO BE RECORDED ON THE PLAT FOR CARROLL-ZIEGLER PROPERTY. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL 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 EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WILL HAVE TO BE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT FOR HOUSE CONSTRUCTION AND GRADING.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND HAS BEEN FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., ON 6/02 AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
8. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
9. SEPTIC TANKS FOR THESE LOTS TO BE 2,000 GALLONS.
10. THE EXISTING WELLS SHOWN ON THIS PLAN, HO-95-1737 AND HO-95-1738, HAVE BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
11. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
12. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE WELL BOXES AND LOT CONFIGURATION TO FIT THE APPROVED WELL SITES DUE TO DRY HOLES.
13. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

NO.	DATE	REVISION

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 ▲ FAX: 410-465-6644
EMAIL: benchmrk@ccis.com

OWNER/BUILDER:		PROJECT: CARROLL-ZIEGLER PROPERTY LOTS 6 AND 7	
NATALIE ZIEGLER ET AL 4288 MANOR LANE ELLCOTT CITY, MARYLAND 21042 410-740-6880		LOCATION: MANOR LANE ELLCOTT CITY, MD 21042 TAX MAP No. 23 - BLOCK No. 10 - PARCEL No. 130 3RD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
DESIGN: JMC		TITLE: REVISED PERCOLATION CERTIFICATION PLAN	
DRAFT: JMC		HOUSE TYPE: GENERIC BOX	
DATE: OCTOBER, 2009 NOVEMBER 09, 2009	PROJECT NO. 2061	SCALE: 1" = 50'	DRAWING 1 OF 1



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 11/9/09
PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Brian P. Steyer 11/30/09
COUNTY HEALTH OFFICER