



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 534533

AGENCY REVIEW: _____

DATE 3-29-11

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 _____ 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) JOSEPH R. BLOUIN

DAYTIME PHONE 410-489-9394 CELL _____ FAX _____

MAILING ADDRESS 13800 KENNARD DR. GLENELG MD. 21732
STREET CITY/TOWN STATE ZIP

APPLICANT CHARLES R. CROCKETT & ASSOC. FOR KEITH LYNN (PURCHASER)

DAYTIME PHONE 410-549-2708 CELL N/A FAX 410-549-9063

MAILING ADDRESS 902 LEE AVE. SYKESVILLE MD. 21784
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME BLOUIN PROPERTY LOT NO. #4

PROPERTY ADDRESS 3720 IVORY ROAD
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 22 GRID 7 PARCEL(S) 0578 PROPOSED LOT SIZE 3.24 AC.

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. Charles R. Crockett P.E.
SIGNATURE OF APPLICANT MD # 7803

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

AVP _____

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS _____

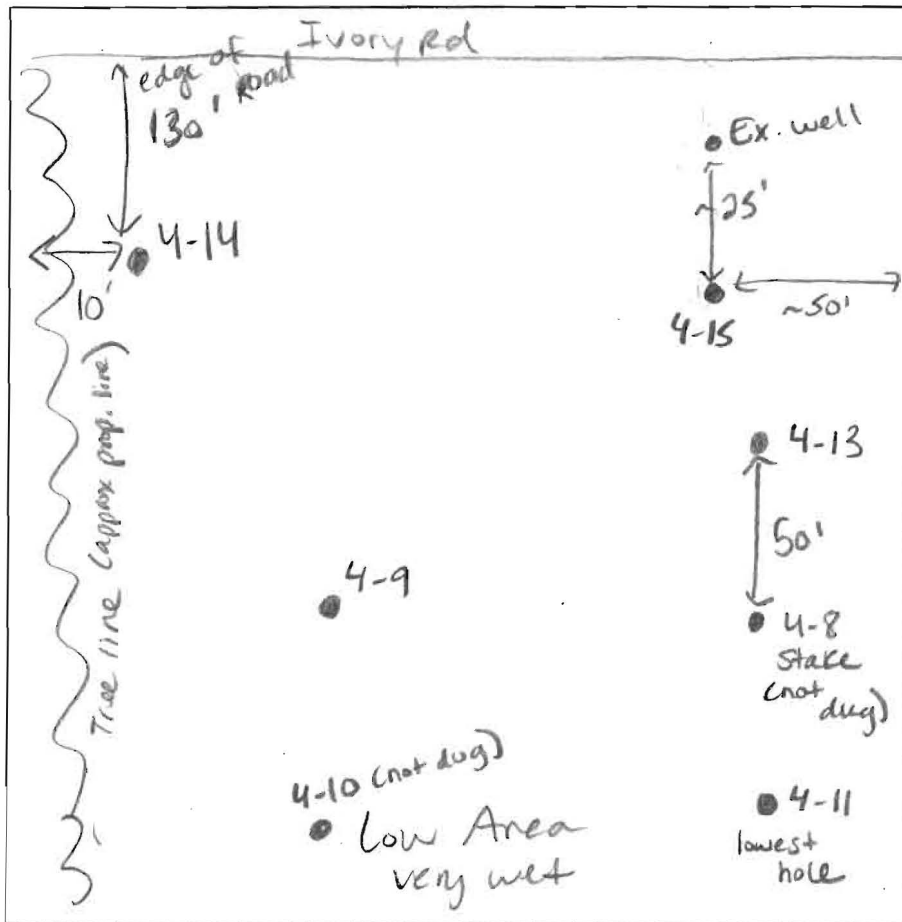
SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SAW _____

NOT TO SCALE

AP



4-9
 cave-in
 heavy
 bm cl
 1 csbk
 in ↓ seep @ 4'
 moist @ 6'
 seep @ 7'
 8' mottling
 cl
 9' bm cl
 w/ mottles
 bottom

4-11
 H₂O @
 1.5'
 heavy bm
 cl

4-13

9'
 bm cl
 seep @ 3'
 red wet
 bm scl
 seep @ 6'
 & 7'

4-14
 red
 bm heavy
 cl 1.5'
 red bm
 ch scl 3'
 Mn
 coatings
 vch scl
 w/ mottles 5'
 platy mica
 schist
 w/ Mn
 40% rx
 bl scl 9'

HB 9.8'

4-15
 heavy red
 red bm
 scl
 1 csbk 2'
 red/yellow
 bm scl
 Iron + Mn
 moist @ 3'
 ch scl 6'
 seep @
 3.5'-4'
 9'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-15-11	4-9	10'	H ₂ O @ 4'				F
4-15-11	4-11	1.5'	H ₂ O @ ~1'				F
4-15-11	4-13	9'	H ₂ O @ 3' & 6'				F
4-15-11	4-14	9' 8"	VISUAL		HB/CLAY		F
4-15-11	4-15	9'	VISUAL		H ₂ O		F

REMARKS holes dug per stakes (except 13,14,15)
 SANITARIAN HB / MJ BACKHOE Ron Heaps OTHERS Woody
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A# 520087

AGENCY REVIEW: _____ DATE 3/10/2004

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
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- 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) MR. JOSEPH BLOUIN

DAYTIME PHONE 410-489-9394 CELL _____ FAX _____

MAILING ADDRESS 13800 KENNARD DRIVE GLENELG MD 21737
STREET CITY/TOWN STATE ZIP

APPLICANT MR. JOSEPH BLOUIN

DAYTIME PHONE 410-489-9394 CELL _____ FAX _____

MAILING ADDRESS 13800 KENNARD DRIVE GLENELG MD 21737
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RESUB OF CRYSTAL CLEAR LOT 1 LOT NO. 4

PROPERTY ADDRESS 13800 KENNARD DRIVE GLENELG
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 22 GRID 7 PARCEL(S) 533 PROPOSED LOT SIZE 3 AC

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.

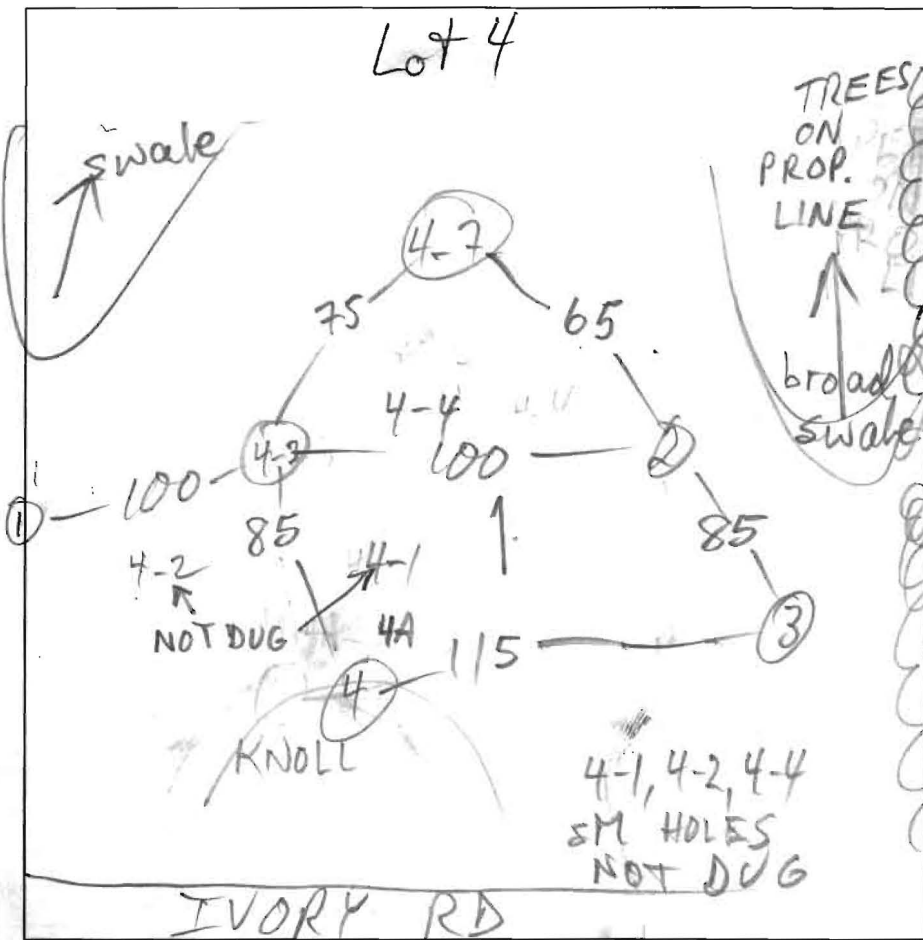
TEST RESULTS WILL BE MAILED TO APPLICANT.


SIGNATURE 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

AP

Lot 4



3
brn hvy lm
4
tan brn salm
UP 25-5-10% DN
30% shale RY
13
4
brn hvy lm
4-5
brn. si salm
15-20% frags

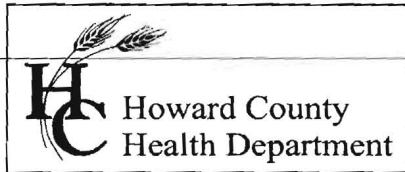
4-3
brn cl lm
2
red brn mi
5 1/2
hvy silm
brn yel
si salm
5-10%
Frags
11 1/2
12
H₂O

4-7
brn hvy lm
3 1/2
4
brn si salm
5-10%
Frags
9
H₂O

2
brn hvy lm
3
brn si salm
5-10%
Frags
11
11 1/2
12
H₂O

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/22/04	1 V	9 1/2	ALL RED CL	LM + HVY LM	11		
	4-7 V	4 12	12:38	12:45	12:56	11	P
			MOVE	1:48	2:00		
	4-3 S	3 3/4	1:38	1:48	2:00		
	4-3 V	4 11	1:49	1:54	2:00		
	2 S	3 9 1/2	12:48	12:51	12:55	4	P
	2 V	12					
	3 S	3 9 1/2	12:56	1:04	1:15	22	P
	3 V	4 13	1:04	1:15	1:37	22	P
	4 S	3 9 1/2	1:12	1:25	1:40		
	4 V	11					
	4A S	4 3 1/2	1:30	1:42	2:04	22	P
	SOUTH 4-3 S	4 1/2	2:09	2:25	< 1"		
	NORTH 4-3 S	5 3 1/2	2:30	2:45	< 1"		
		5 1/2	2:48	3:03	3:25	22	P

REMARKS
 SANITARIAN M. Rifkin BACKHOE Skip OTHERS -
 TEST HOLES USED IN SDA 2, 3, 4, 4-3, 4-7 AVG. PERC TIME 16 SQ. FT/BR 240
 TRENCH WIDTH 3 INLET DEPTH 3 1/2 MAX. BOT DEPTH 5 1/2 EFFECTIVE S/W 1
 REPAIRS 3 3 5 1



Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

Date: April 19th, 2011
To: Charles Crocken, P.E.
Charles R. Crocken & Assoc. Inc.
From: Heidi Scott, R.S.
Development Coordination Section
Well & Septic Program
RE: PERCOLATION TEST RESULTS
Ivory Road - Blouin Property Lot 4
Tax Map 22 Parcel 572

Percolation testing was conducted at the above referenced property on April 15th, 2011. Results indicate unsatisfactory soil conditions for onsite wastewater disposal. A total of 5 test holes were dug. Tests 4-9 and 4-11 were dug within the proposed septic area. Restrictions in both of these locations include a shallow water table observed at 1.5 feet and 4 feet. Tests 4-13 and 4-15 were moved further uphill and water seeps were observed at 3 feet and below. Test 4-14 failed due to a high clay and rock percentage. Based on these observations this lot does not meet criteria for sand mound tests due to less than a 24" buffer from the water table.

Field data collected is shown on the Percolation Test Worksheets enclosed with this letter. The previously approved septic area (per plat #18798) appears to be the only identified area for onsite wastewater treatment at this time. If you have any questions regarding this evaluation please contact me at (410) 313-6287.

Enclosures
Cc:
File

ChB2

0.92 AC.

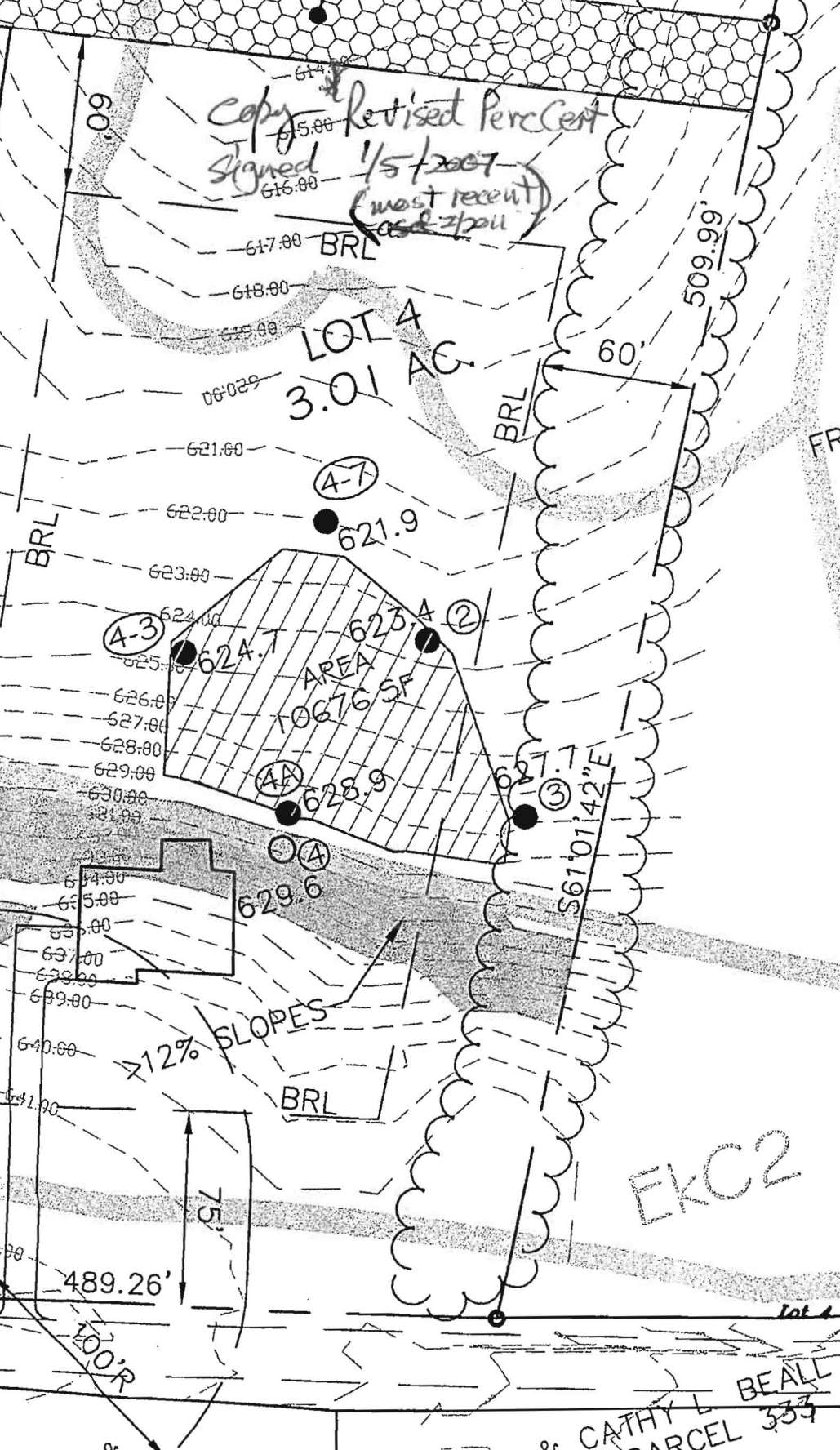
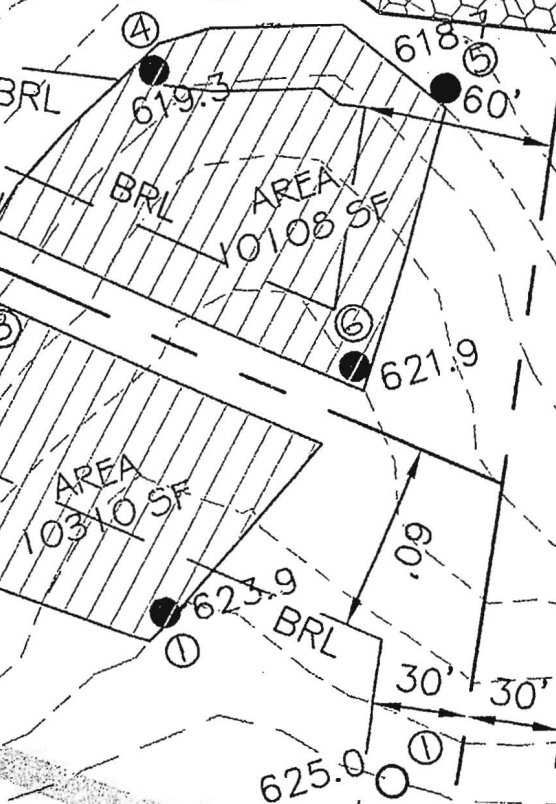
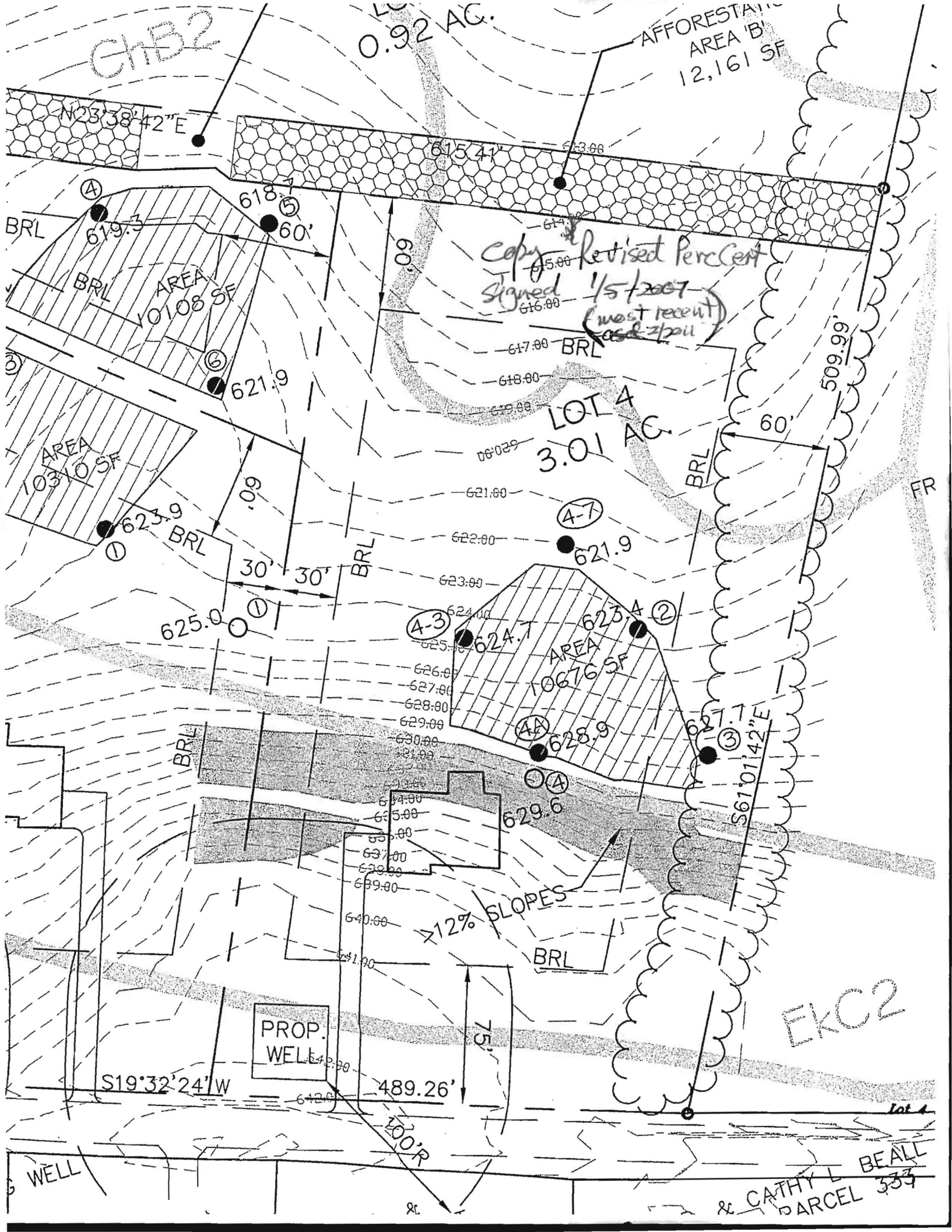
AFFORESTATION
AREA 'B'
12,161 SF

Copy Revised Percent
Signed 1/5/2007
(most recent)
05/2/2011

LOT 4
3.01 AC.

EKC2

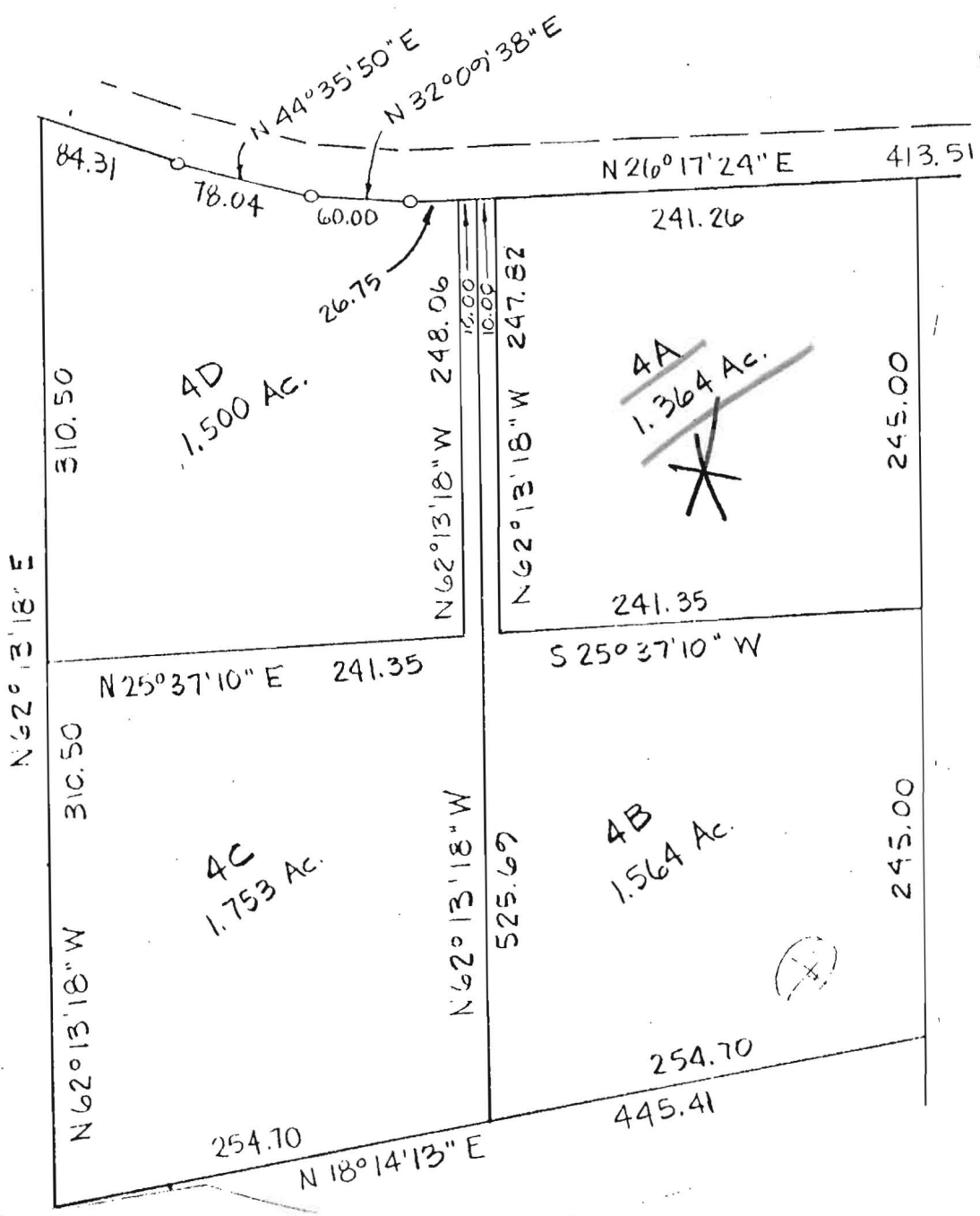
Lot 4
& CATHY L BEALL
PARCEL 333

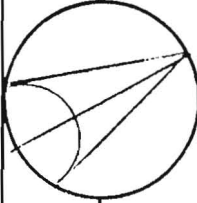


Triadelphia Rd


IVORY ROAD

Burntwoods Ca.



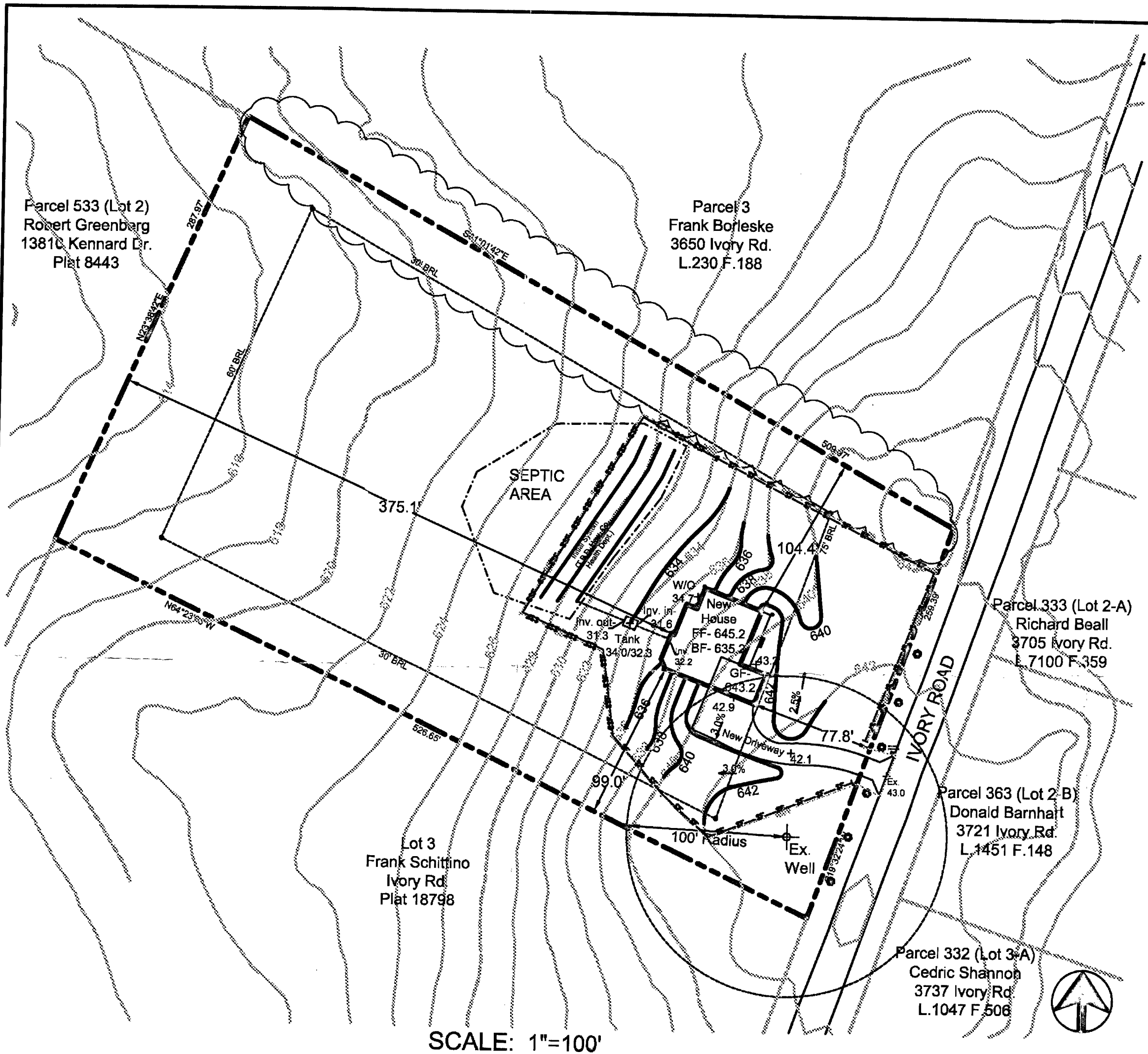
REFERENCE	MERIDIAN
	
RICHARD P. BROWNE ASSOCIATES CONSULTING ENGINEERS, PLANNERS WAYNE, N.J.	




RICHARD P. BROWNE

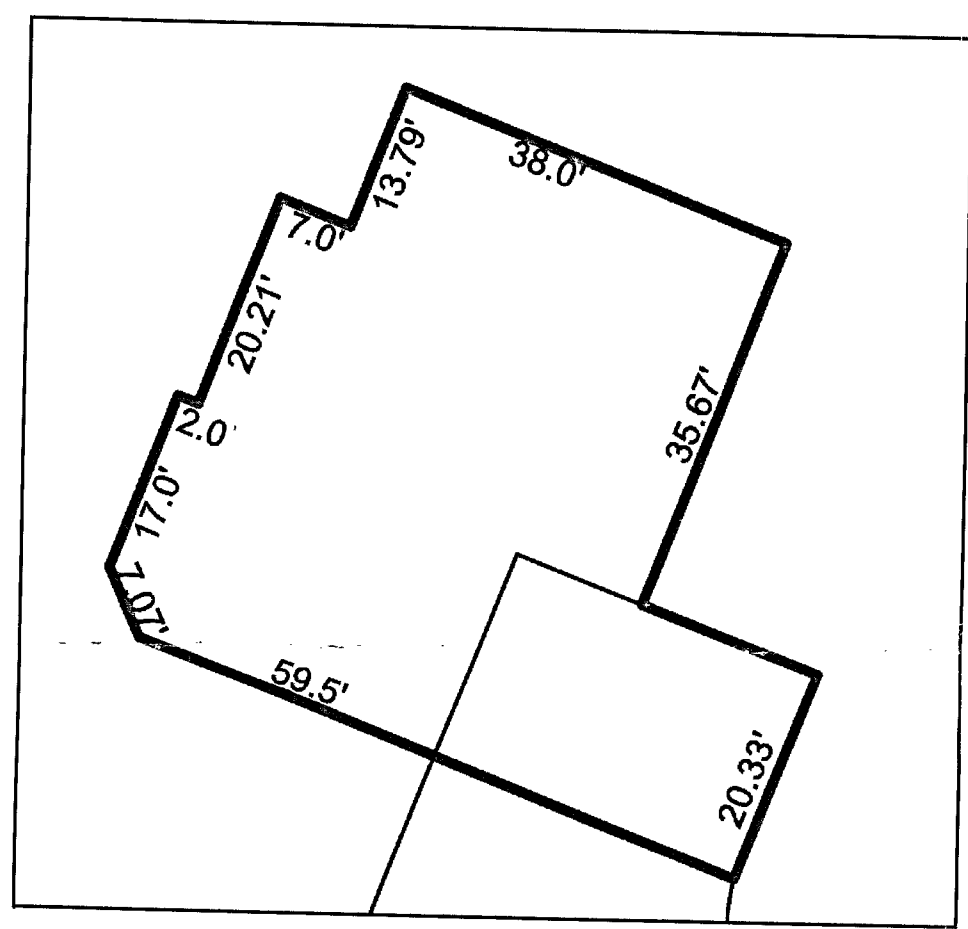
PROJECT NO. _____ W. O. NO. _____
 DRAWN C.B.M. CHECKED _____
 SCALE: 1" = 100' DATE: 6.24.75

MAP OF PROPERTY OF
HOWARD ASSOCIATES
 SITUATED IN
 3rd Election Dist HO. CO. Mt.

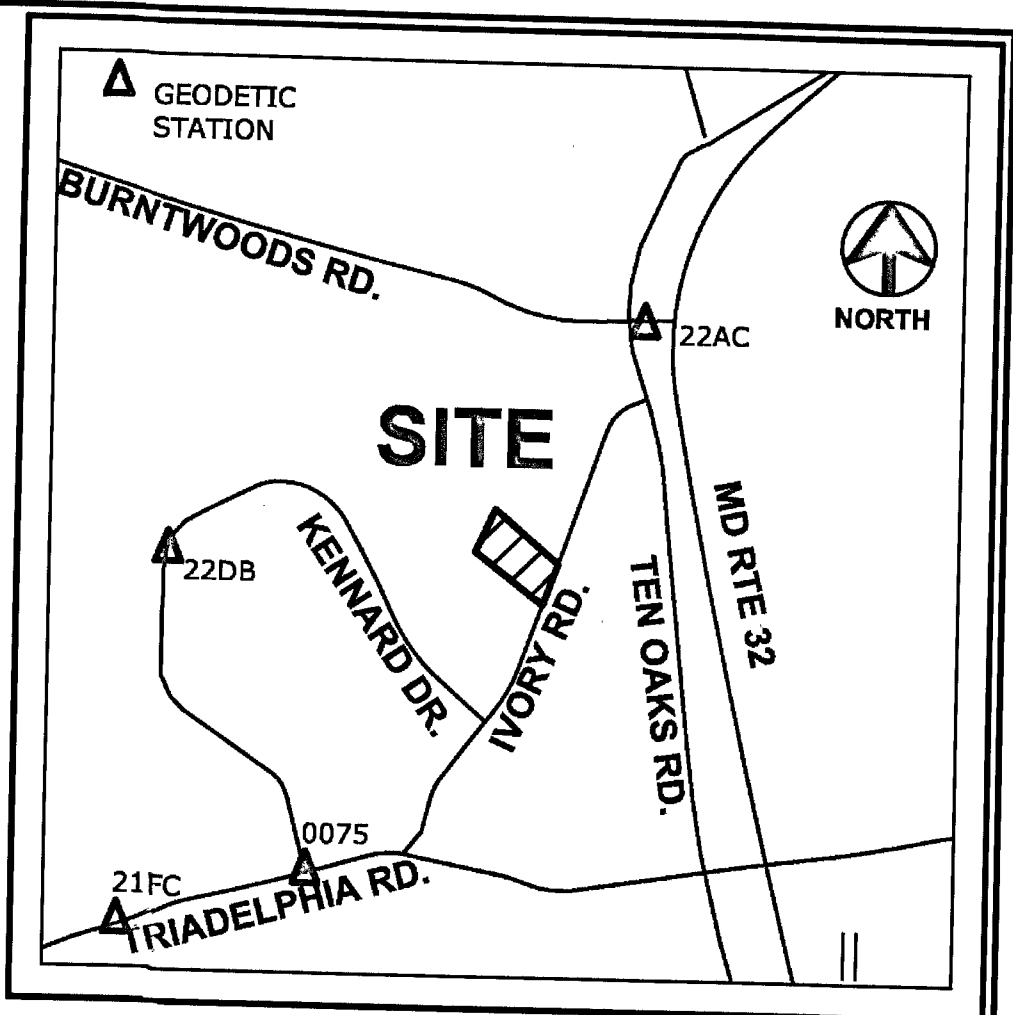


OWNER/APPLICANT:
ROBERT SPAAY
592 ELLISON COURT
FREDERICK, MD 21703
301-695-5883

BUILDER:
CLASSIC HOMES OF MARYLAND
50 W. EDMONSTON DR
ROCKVILLE, MD 20850
301-251-2001



BUILDING DIMENSIONS
1" = 30'



VICINITY MAP
SCALE: 1" = 2,000'
PLOT PLAN
3730 IVORY RD.
Lot 4 Biouin Property (P572)
Election District 03
Tax Map 22
Election District No. 03
Howard County, Maryland
Date: 7/31/13

LEGEND:

PROPOSED HOUSE	
LIMIT OF DISTURBANCE	
SUPER SILT FENCE	
SILT FENCE	
EXISTING CONTOUR	
PROPOSED CONTOUR	
EXISTING WELL	
PROPOSED SEPTIC	
EXISTING TREE CANOPY	

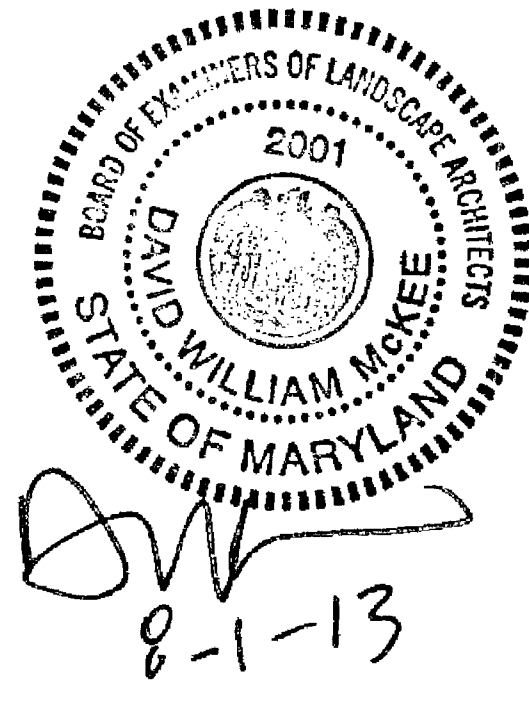
SOURCE OF TWO-FOOT CONTOUR INTERVAL TOPOGRAPHY:
THOMAS A. MADDOX,
PROFESSIONAL LAND SURVEYOR
8933 SHADY GROVE CT
GAITHERSBURG, MD 20877
301-984-5804

HOWARD COUNTY GIS DATABASE MAP 22

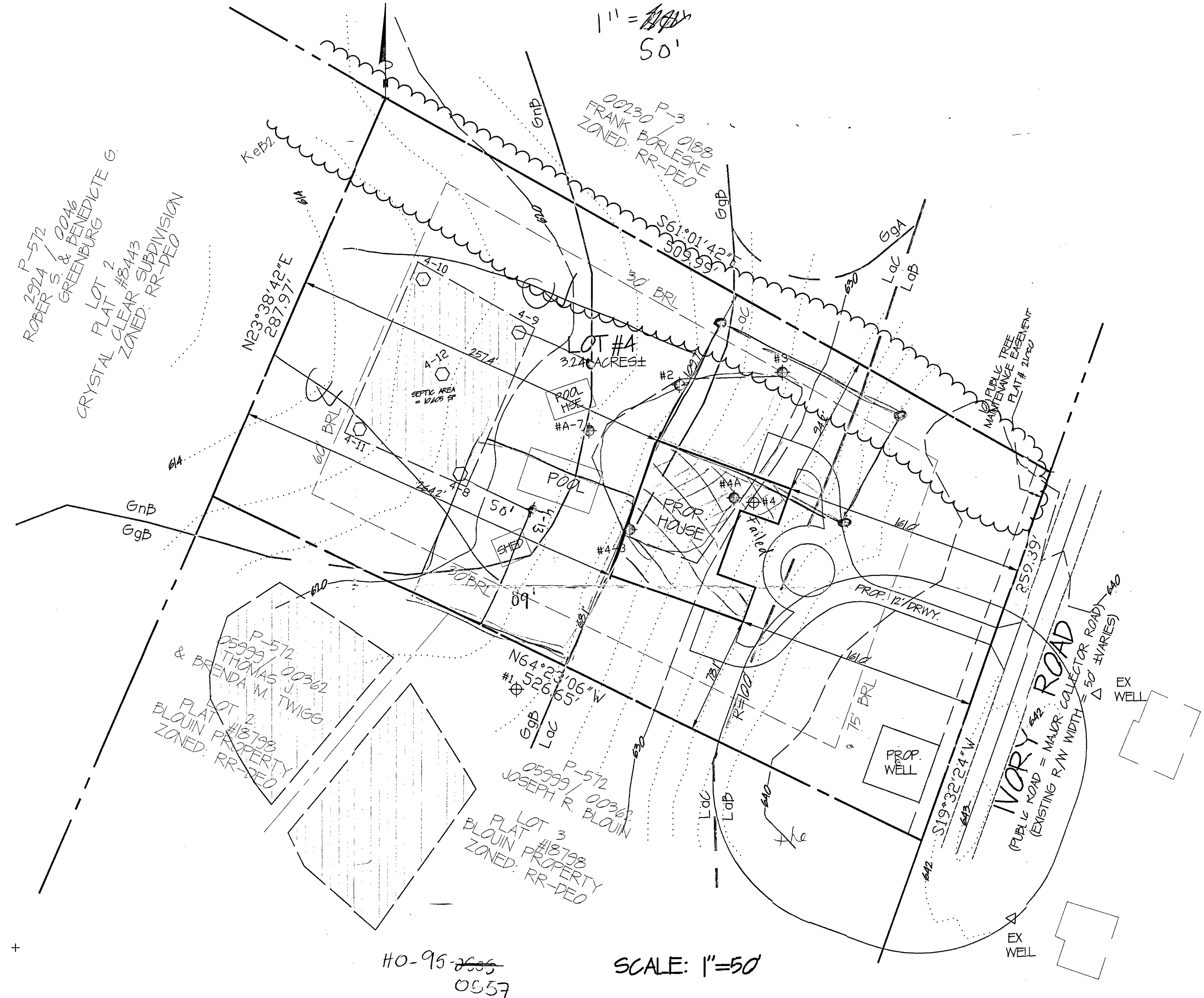
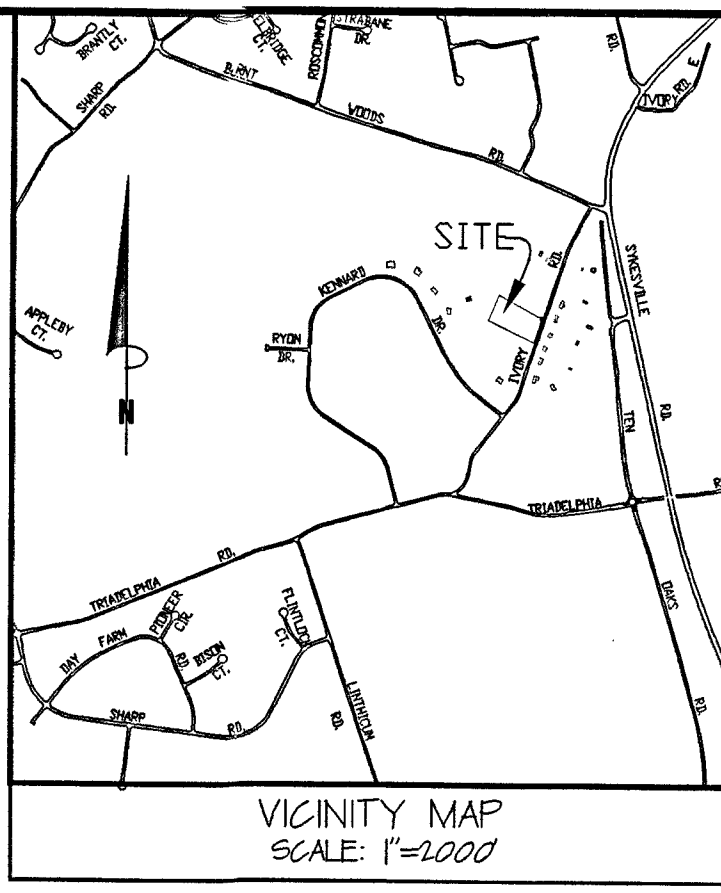


Benning & Associates, Inc.
Land Planning Consultants
8933 Shady Grove Court
Gaithersburg, MD 20877
(301)948-0240

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 2001, EXPIRATION DATE 10/21/2014



SOILS LEGEND		
SYMBOL	NAME/DESCRIPTION	SOIL GROUP
GgB	Glennelg loam, 0% to 8% slopes	D
GnB	Glennville-Belle silt loams, 0% to 8% slopes	D
LgB	Legore silt loam, 0% to 8% slopes	D
LgC	Legore silt loam, 8% to 15% slopes	D



- GENERAL NOTES:**
1. AREA OF PROPERTY= 3.24 ACRES±
 2. EXISTING USE= VACANT
 3. PROPOSED USE= RESIDENTIAL/1 SINGLE FAMILY RESIDENTIAL
 4. NUMBER OF UNITS ALLOWED = 1 UNIT
 5. NUMBER OF UNITS PROPOSED= 1 UNIT
 6. BOUNDARY AND TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY BY HOWARD COUNTY DATED 1998, VERIFIED IN FIELD BY CHARLES R. CROCKEN & ASSOC. DATED 3/2011
 7. BOUNDARY BASED ON DEED LIBER 05999/ FOLIO 00362 & PLAT # 18798
 8. SERVICE WATER= PRIVATE, SEWER= PRIVATE
 9. SOILS SURVEY MAP No. 1
 10. THERE ARE NO STREAMS, WETLANDS, OR STEEP SLOPES IN THE VICINITY OF THE SEWAGE EASEMENT EXCEPT AS OTHERWISE SHOWN HEREON
 11. NO ADDITIONAL SUBDIVISION OF SUBJECT PROPERTY IS REQUIRED FOR BLDG. PERMIT

- HEALTH DEPARTMENT NOTES**
1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH AND AREA REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 2. THE AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 sq. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENTS.
 3. THE WELL AREA SHALL HAVE A WELL DRILLED, GROUTED, AND YIELD TESTED PRIOR TO FINAL APPROVAL OF BUILDING PERMIT.
 3. THERE ARE NO EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100ft. OF THE LOT LINES SHOWN HEREON UNLESS NOTED OTHERWISE.
 - ⊕ DENOTES "PASSED" PERCOLATION TEST (08/2006)
 - ⊖ DENOTES "FAILED" PERCOLATION TEST (08/2006)
 - DENOTES "PASSED" PERCOLATION TEST (04/2011)
 - ⊙ DENOTES "FAILED" PERCOLATION TEST (04/2011)
 5. THE NEAREST WATER INTAKE STRUCTURE IS FIVE MILES+/- AWAY.
 6. DENOTES 25% SLOPE, ONLY 25% OR STEEPER SLOPES WITHIN 100± OF SEWAGE EASEMENT HAVE BEEN SHOWN ON PLAN.

SITE ANALYSIS
 AREA OF PARCEL 3.2378 ACRES±
 THE MASTER PLAN OF HOWARD COUNTY
 PRESENT ZONING = RR-DEO
 PROPOSED USE OF STRUCTURES = SINGLE FAMILY
 # UNITS ALLOWED = 1
 # UNITS PROVIDED = 1
 OPEN SPACE ON SITE = N/A
 HOWARD COUNTY SITE NO.: F-05-161

3-24-2011

 Charles R. Crocken

PERCOLATION TEST RESULTS

TEST #	PERCOLATION RATE	DATE
1	CLAY NO TEST	5/06
2	MIN. @ 3"-5"	5/06
3	2MIN. @ 3"-5"	5/06
4	>2MIN. @ 3"-5"	5/06
A-A	32 MIN. AT 4"-5"	5/06
A-B	32 MIN. AT 5"-5"	5/06
A-7	11 MIN. @ 4"	5/06
A-8		1/2011
A-9		1/2011
A-10		1/2011
A-11		1/2011
A-12		1/2011

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

 HOWARD COUNTY HEALTH OFFICER DATE

NO.	DATE	REVISION
		HEALTH DEPARTMENT PLAN FOR LOT#4 BLOUIN PROPERTY PLAT #18798 IVORY RD. SINGLE FAMILY DETACHED LIBER 05999/ FOLIO 00362

TAX MAP 0012, GRID 0007, PARCEL #0572 ZONED RR-DEO
 3RD ELECTION DISTRICT MARCH 2011 HOWARD COUNTY, MARYLAND

DES. CHC.	OWNER KEITH LYNN 12070 SAND HILL MANOR RD. MARRIOTTVILLE, MD. 21824 TEL. (410) 592-9195	DEVELOPER KEITH LYNN 12070 SAND HILL MANOR RD. MARRIOTTVILLE, MD. 21824 TEL. (410) 592-9195
CHK. GRC.	CHARLES R. CROCKEN & ASSOCIATES, INC. ONE DUNDAS - 140 PLUMLAND RD. BOX 307 WESTMINSTER, MARYLAND PL. #254-3226 FAX #254-3228	
DRW. EMV.	SCALE: 1" = 50'	SHEET 1 OF 1