



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

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) _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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.

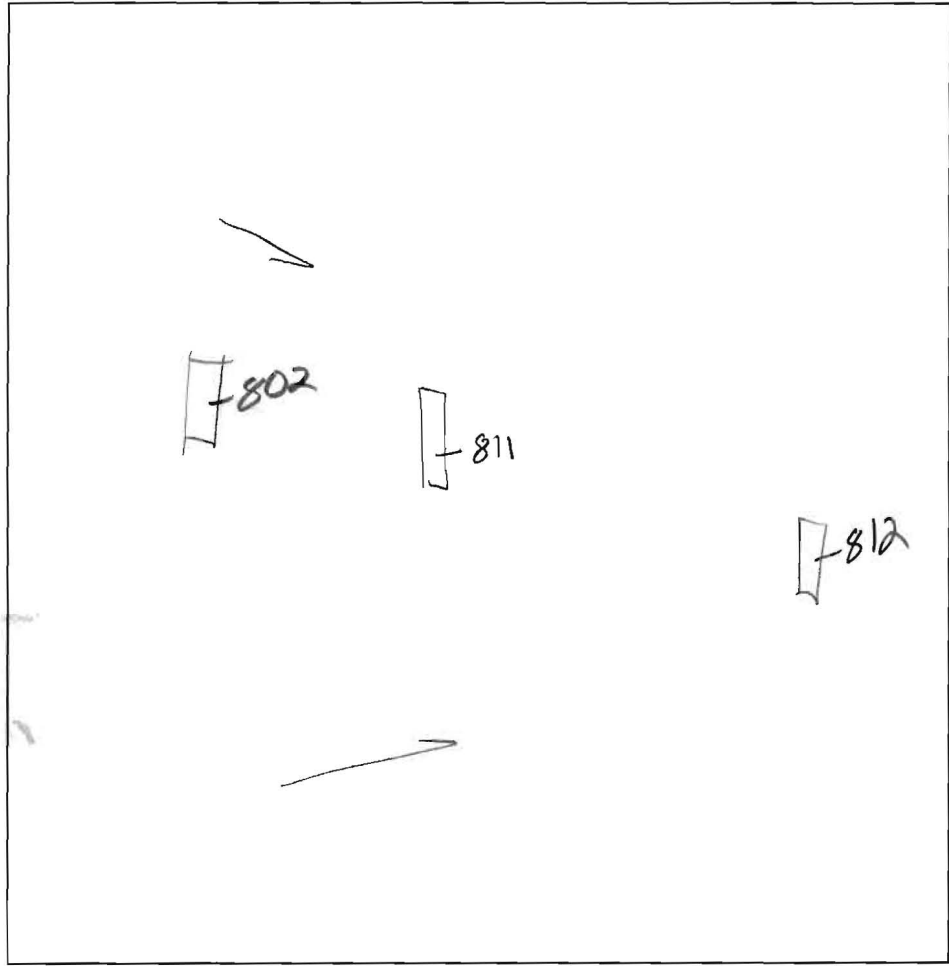
TEST RESULTS WILL BE MAILED TO APPLICANT. _____
SIGNATURE OF APPLICANT

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

A/P
 811
 Brown L
 1'
 Red/Brown
 Orange micros
 Sil w/
 15% Gtz
 5'
 Orange/Brown
 Sil
 11'
 Yellow/Brown
 Orange
 Sil
 14'

802
 Brown L
 1'
 Red/Orange
 Brown/Yellow
 Sil
 6'
 Orange/Red
 Sil
 11'
 Brown/Orange
 Yellow
 Sil
 -Trace
 Hark
 14'

812
 Brown L
 1'
 Orange/Brown
 Red micros
 Sil
 6 1/2'
 Brown/Yellow
 Red micros
 Sil w/
 25% granular
 Gtz
 12'
 Brown/Yellow
 Sil
 14'



| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2nd INCH | P/F/H |
|---------|--------|--------------|-------|------------------|-----------------|---------------------|-------|
| 8/30/01 | 811 | 7 1/2 14' | 10:35 | - Pulled - | | Slow | F |
| | 802 | 8' 17' | 10:43 | - Pulled - | | Slow | F |
| | 812 | 8' 14' | 10:55 | 11:00 | 11:07 | 7 min | P |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS all holes dug per plan
 SANITARIAN KJB PI BACKHOE Rennie OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

COUNTY #

SOIL PROFILE

(472)

Red Br Loam 3.5'-4'
 Dense Red Br Si Loam 5'
 Or Br Si Loam, Very Little Rock 7'
 Med Br Sa Loam 26-25% Saprolite 13.5'

(171)

Red Br Loam Very Little Rock 5.5'-6'
 Or Br Si Loam Very Little Rock 3.5'-4'
 Med Br Sa Loam ~20% Saprolite 11.5'
 Caving Water 12.5'

(358)

Red Br Loam 4'
 Red Br Dense Si Loam 5'-6'
 Or Br Si Loam Getting Sandier With Depth 20-25% Saprolite 12.5'
 Caving Water 13'

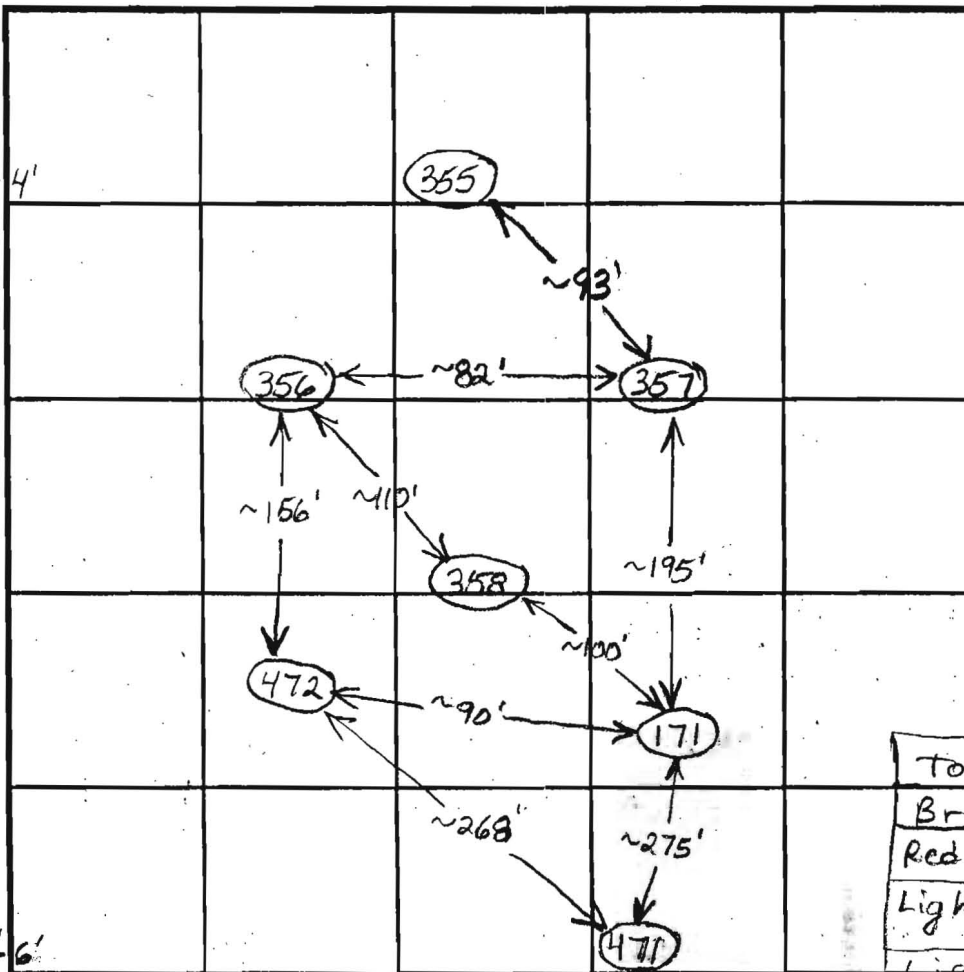
SOIL PROFILE

(357)

Red Br Loam 3'-3.5'
 Red Br and Or Br Loam 5'-5.5'
 Beige and Br Sa Loam ~20% Saprolite 8'
 Caving Water 9.5'
 Water 10'

(471)

Topsoil 7"
 Br Loam 1'
 Red Br Cl Loam 5'
 Light Br Si Loam 7'
 Light Br Sa Loam Less than 5% Rock 1.1'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME | |
|---------|----------|--------------|---------|------------------------------------|----------------|---------|-------|------|
| | | | START | STOP | START | STOP | | |
| 4/28/03 | 472 | 5'4" / 13.5' | 1:41:30 | 1:59 | 40 minutes | Slow | O.K. | |
| | | 7.5' | 1:42 | 1:46 | 1:46 | 1:52:30 | 6 1/2 | |
| | 171 | 7' / 12.5' | 2:04:30 | 2:18:30 | 2:18:30 | 2:38:30 | 20 | O.K. |
| | 358 | 7' / 13' | 2:27 | Not to 2nd Peg After 26 minutes | | Slow | (F) | |
| | 357 | 5.5' / 10.5' | 3:07 | 3:11:45 | 3:11:45 | 3:19:30 | ~8 | (F) |
| | | 4' 7" | 3:13 | Not to Second Peg After 25 Minutes | | Slow | | |
| | 472 | 7' | 3:24:30 | 3:35 | 3:35 | 3:53 | 18 | |
| 4/29/03 | 471 | 6' / 14' | 2:04 | 2:08 | 2:08 | 2:15 | 7 | O.K. |

REMARKS

TYPE OF SOIL

TESTED BY B. Baker / F. Alfonso

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

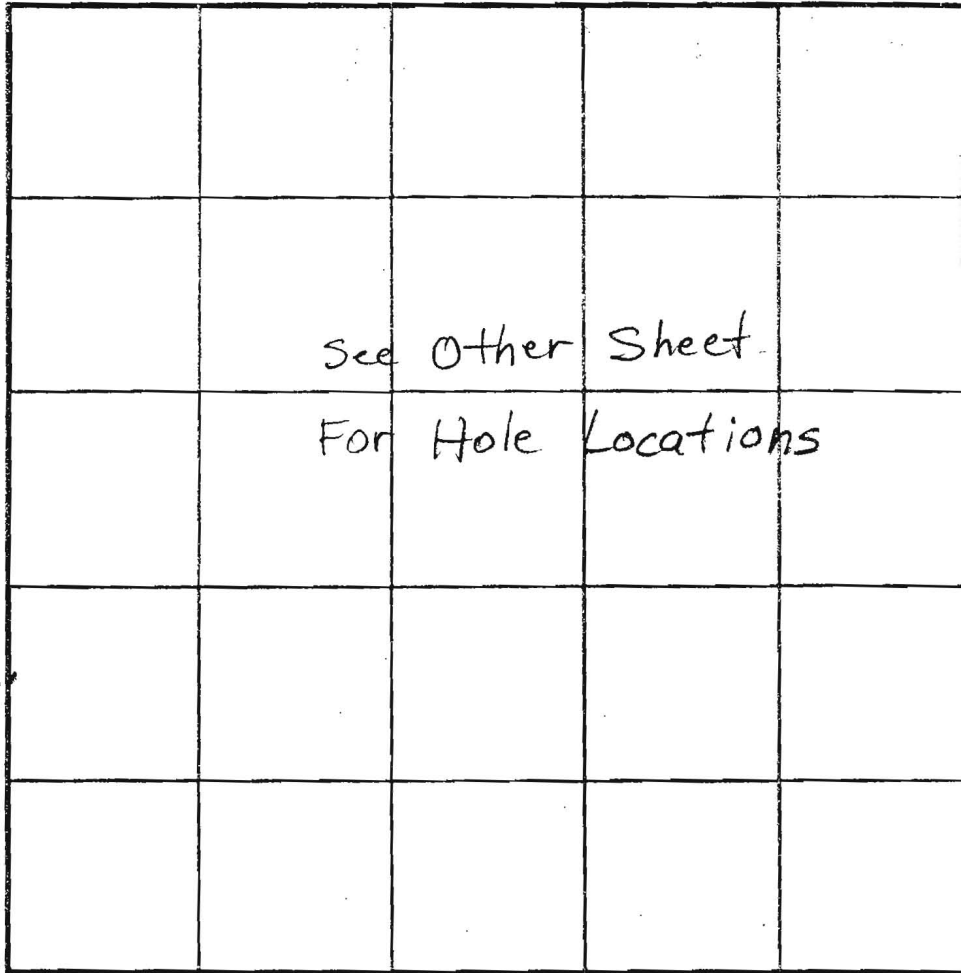
COUNTY #

SOIL PROFILE

0' ~~356~~
 DK Brown TOP SOIL 3"
 Brown Loam 6"
 Red Clay Loam 6 1/2"
 Lt Brown Si Loam 9'
 Light Br Sa Loam LESS THAN 5% Rock Water 13.5'

355
 DK Brown TOP SOIL 3"
 Brown Loam 1'
 Red Clay Loam 3'
 Brown Si Loam 7'
 Lt Brown Si Loam 8'
 CAVE IN WATER 11'

354
 DK Brown TOP SOIL 4"
 Brown Loam 1'
 Red Clay Loam 6'
 Dense Yellow Brown Si Loam 8'
 Lt Brown Si Loam 12.5'
 WATER 14'



SOIL PROFILE

0' 352
 DK Brown TOP SOIL 4"
 Brown Loam 1'
 Brown Clay Loam 7'
 Brown Si Loam 8'
 CAVE IN WATER 11'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------|--------|---------|------|------------------------|--------------|-----------|
| | | | START | STOP | START | STOP | |
| 4/28/03 | 356 | 6.0' | 2:29 | 2:36 | 1/4" in 7min | stopped test | O.K. |
| | | 7.0' | 2:42 | 2:47 | 2:47 | 2:54 | 7min |
| | 355 | 4 1/2' | 3:06 | 3:10 | 3:10 | 3:16 | 6min Marg |
| | 354 | 6.0' | 3:32 | 3:42 | 1/4" in 10min, stopped | 3:42 | (F) |
| | | 7.0' | 3:48 | 3:58 | 1/4" in 30min, stopped | 3:58 | |
| | 352 | 4.0' | 4:12 | 4:26 | NO MOVEMENT, STOPPED | 4:26 | (F) |
| | | 7.0' | 4:28 | 4:40 | 4:40 | 4:54 | 14min |

REMARKS 355 O.K. if Trenches can be installed with a bottom

TYPE OF SOIL depth of 4'

TESTED BY F. Alfonso / B. Baker ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ FT/BEDROOM

COUNTY #

SOIL PROFILE

(633)

Red Br Heavy Loam 2.5-3'
 Red Br Si Cl Loam Trace Rock Caving Below 4'
 Beige Sa Loam Trace Rock 7'
 Wet/Water Seepage Water 9.5'

(632)

Red Br Heavy Loam 4'-5.5'
 Red Br Si Cl Loam ~10% Rock 8'-9'
 Beige Sa Loam Trace Rock Caving Water 11'

(630)

Red Br Heavy Loam 4'-4.5'
 Red Br Si Cl Loam Trace Rock 6'
 Dark Or B Sa Loam Trace Rock 1.5'
 Water

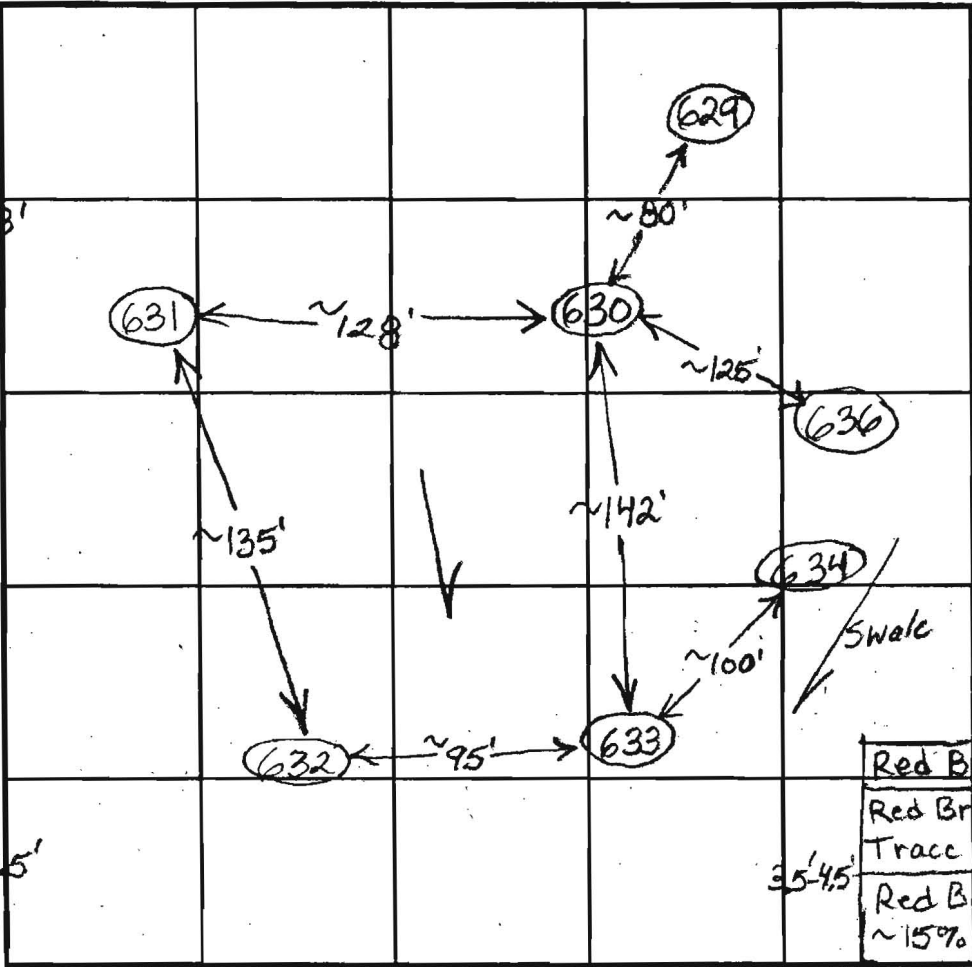
SOIL PROFILE

(629)

Red Br Heavy Loam 4'
 Red Br Si Cl Loam Trace Rock 5.5'
 Red Loam Trace Rock 7'
 Beige Sa Loam, ~15% Saprolite 11.5'
 Caving Water 12'

(631)

Red Br Heavy Loam 3'
 Red Br Si Cl Loam Trace Rock 3.5-4.5'
 Red Br Sa Loam ~15% Saprolite Caving Water 10.5'
 11.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME | |
|---------|----------|------------|----------|--------------------------|----------------|----------|-------|------|
| | | | START | STOP | START | STOP | | |
| 1/22/04 | 633 | 7'/9.5' | 11:37 | ~3/4" in 30 minutes | 12:22:30 | 12:37:30 | 15 | 0.K. |
| | 632 | 8'/11' | 11:51 | ~1/8" in 10 minutes | 12:22:30 | 12:37:30 | 15 | 0.K. |
| | 630 | 6.5'/11.5' | 12:14 | | 12:22:30 | 12:37:30 | 15 | 0.K. |
| | | 7.5' | 12:14:30 | 12:25:30 | 12:25:30 | 12:50:30 | 25 | |
| | | 6' | 1:02 | ~30 minutes for 1st inch | | | | |
| | 629 | 5.5'/12' | 1:08 | <1/2" in 15 minutes | | | | 0.K. |
| | Repair | 7'3" | 1:17:45 | 1:19:50 | 1:19:50 | 1:22:30 | 2 1/2 | |
| | 631 | 4.5'/11.5' | 12:37 | 12:41:15 | 12:41:15 | 12:48:15 | 7 | 0.K. |
| | | 7' | 12:40 | 12:42:30 | 12:42:30 | 12:45:30 | 3 | |

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY B. Baker ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SO FT/RFDRoom _____

MATCH LINE SEE

SHEET

Signed PC

GRID NORTH

Pa

Pa

MATCH LINE

SEE

LOT 9 P712

49,074 sq. ft.

LOT 10

49,940 sq. ft.

LOT 8

46,075 sq. ft.

LOT 11

49,842 sq. ft.

LOT 12

49,518 sq. ft.

LOT 14

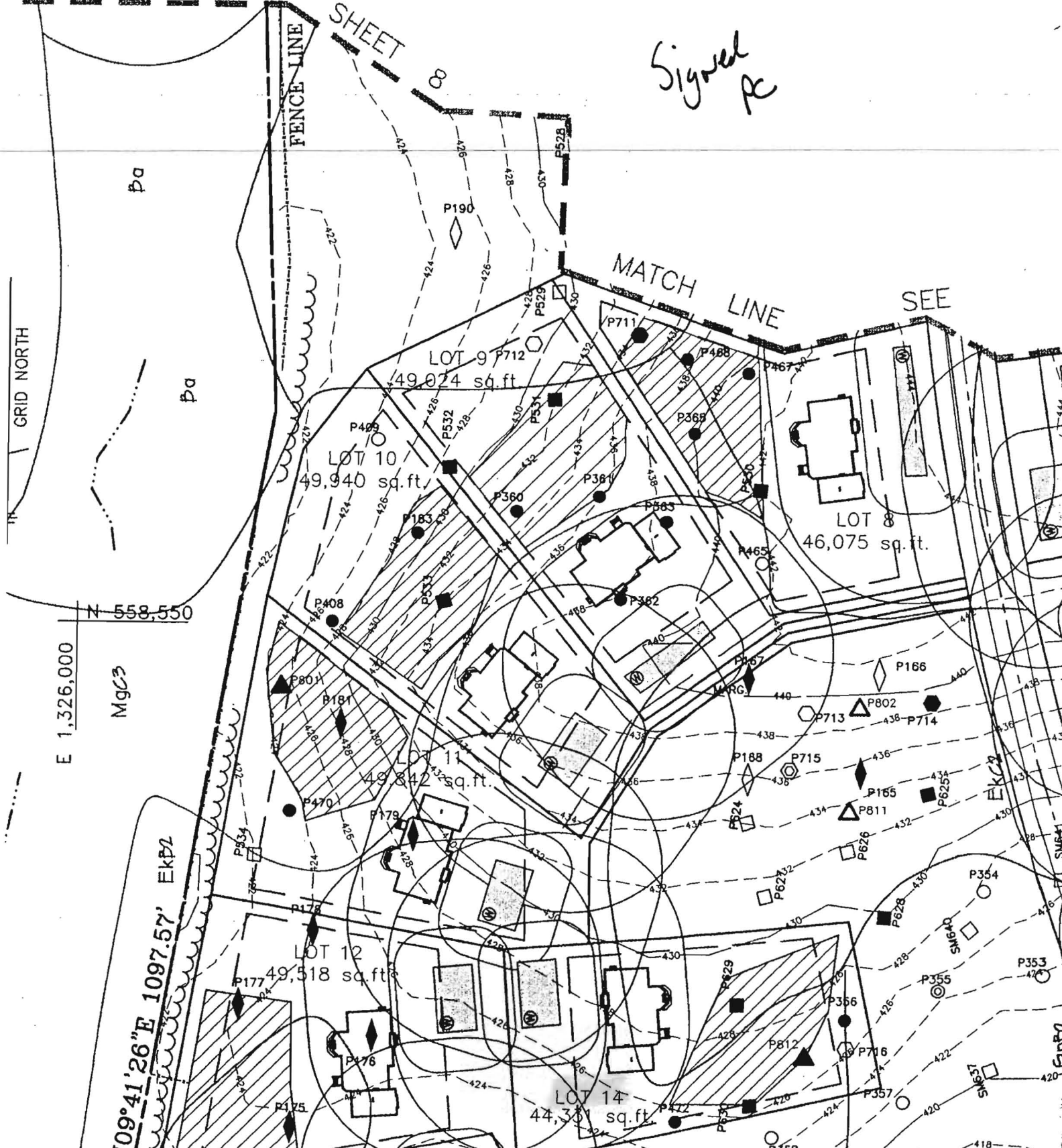
44,381 sq. ft.

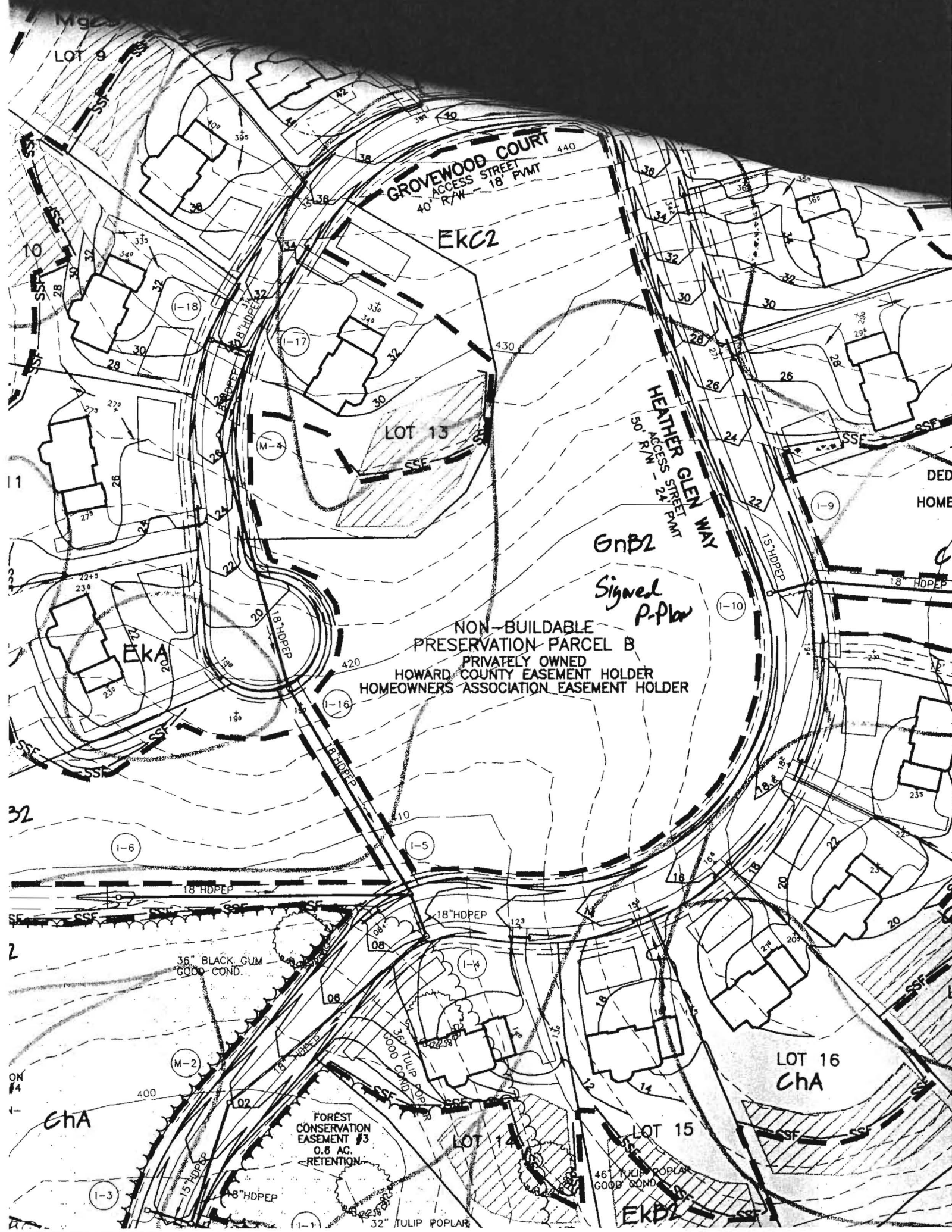
N 558.550

E 1,326.000

MgC3

109°41'26"E 1097.57' EkP2





GROVEWOOD COURT
ACCESS STREET
40' R/W - 18' PVMT

EKC2

HEATHER GLEN WAY
50' R/W - 24' PVMT

LOT 13

EKB2
Signed
P-Plan

NON-BUILDABLE
PRESERVATION-PARCEL B
PRIVATELY OWNED
HOWARD COUNTY EASEMENT HOLDER
HOMEOWNERS ASSOCIATION EASEMENT HOLDER

EKA

LOT 16
CHA

LOT 14

LOT 15

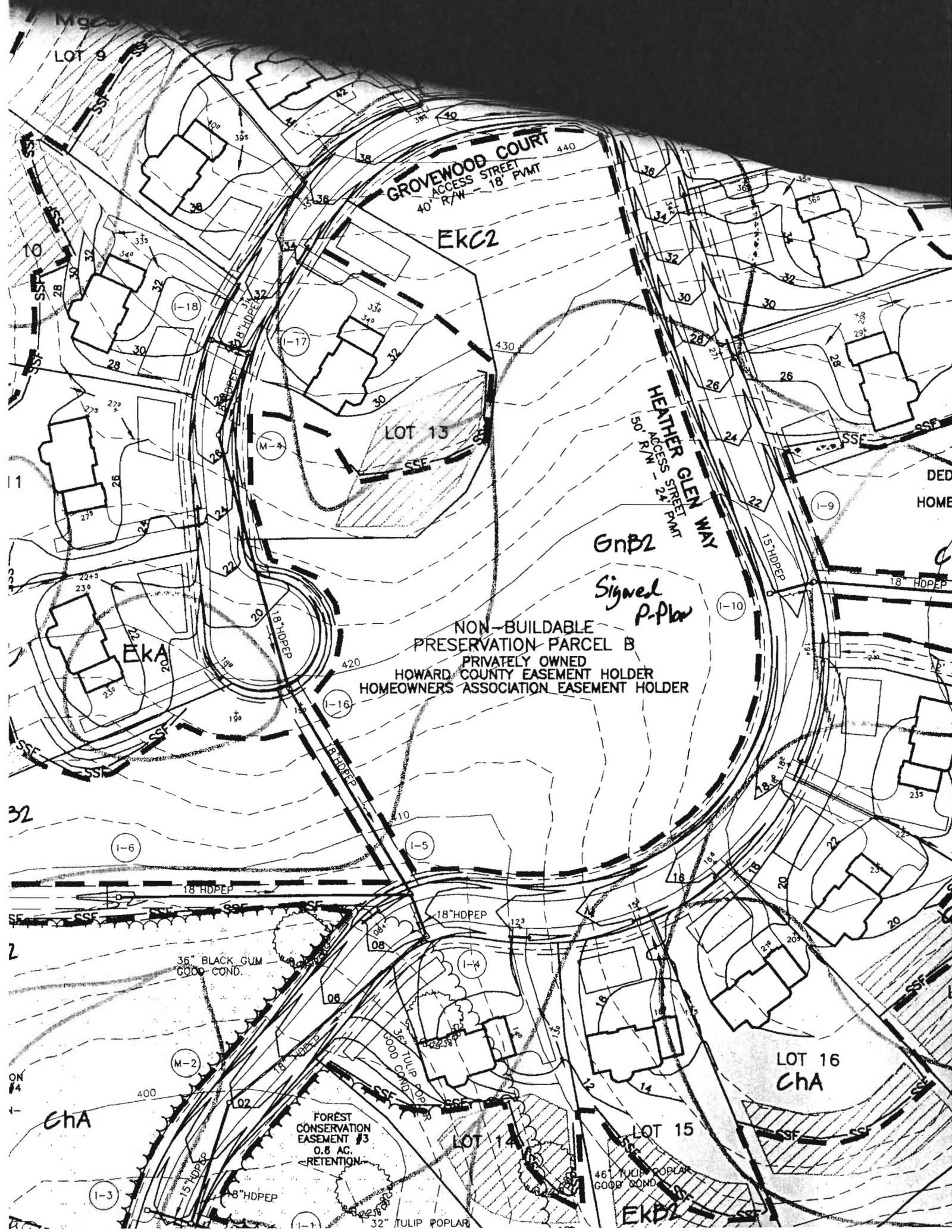
EKB1

36" BLACK GUM
GOOD COND.

FOREST
CONSERVATION
EASEMENT #3
0.8 AC.
RETENTION

46" TULIP POPLAR
GOOD COND.

32" TULIP POPLAR





8.750

Ehb2

Ba

Approved revised
Per Cent plan,
12-28-07

MqC3

LOT 9
46,414 S.F.

LOT 8
43,407 S.F.

LOT 10
46,129 S.F.

LOT 11
43,225 S.F.

LOT 14
51,111 S.F.

Ekb2

LOT 12
38,615 S.F.

LOT 13
48,763 S.F.

Eka

Ekb2

N/5
JEAN N. WARFIELD
262875
P. 43
ZONED: RR1EO

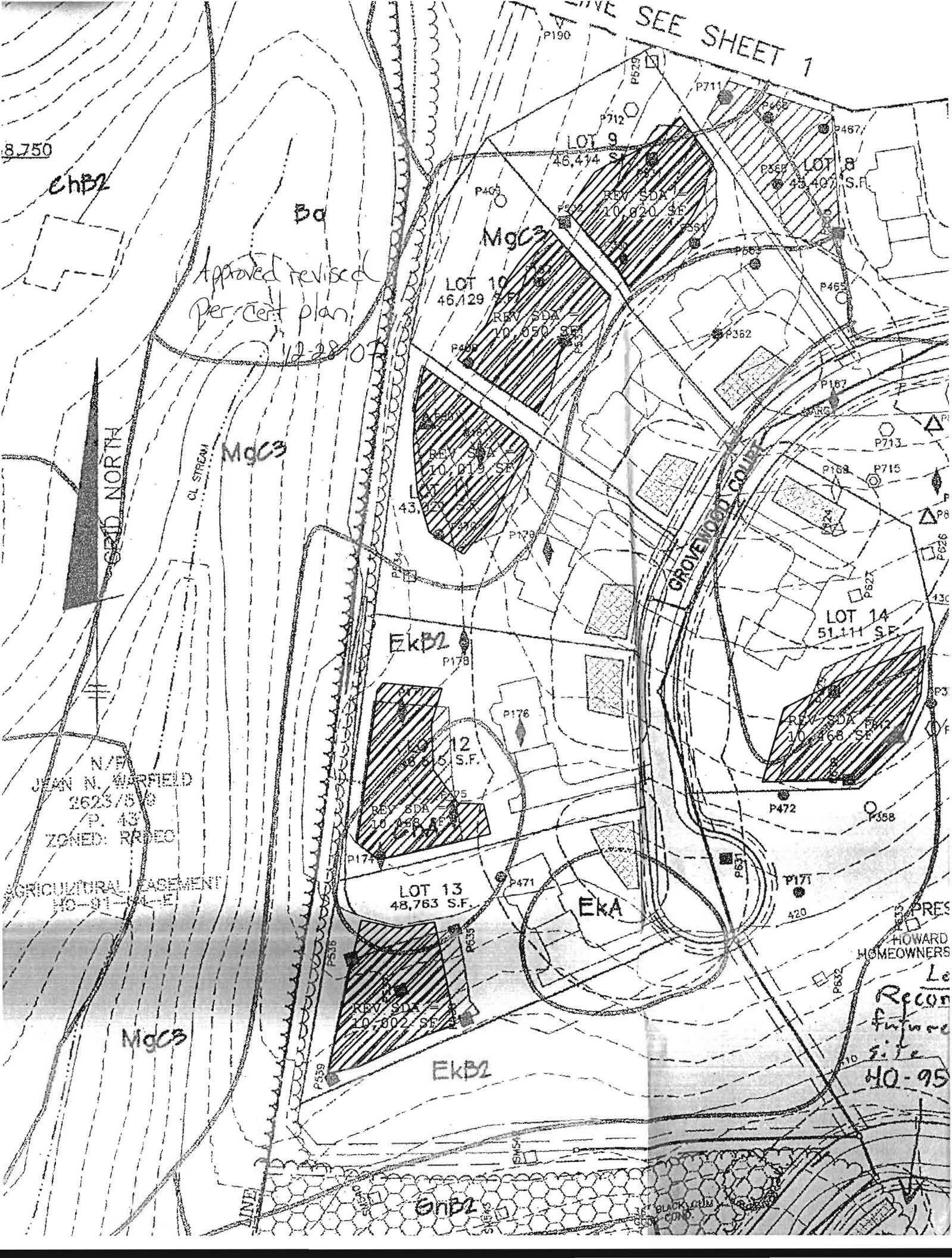
AGRICULTURAL EASEMENT
NO-91-51-E

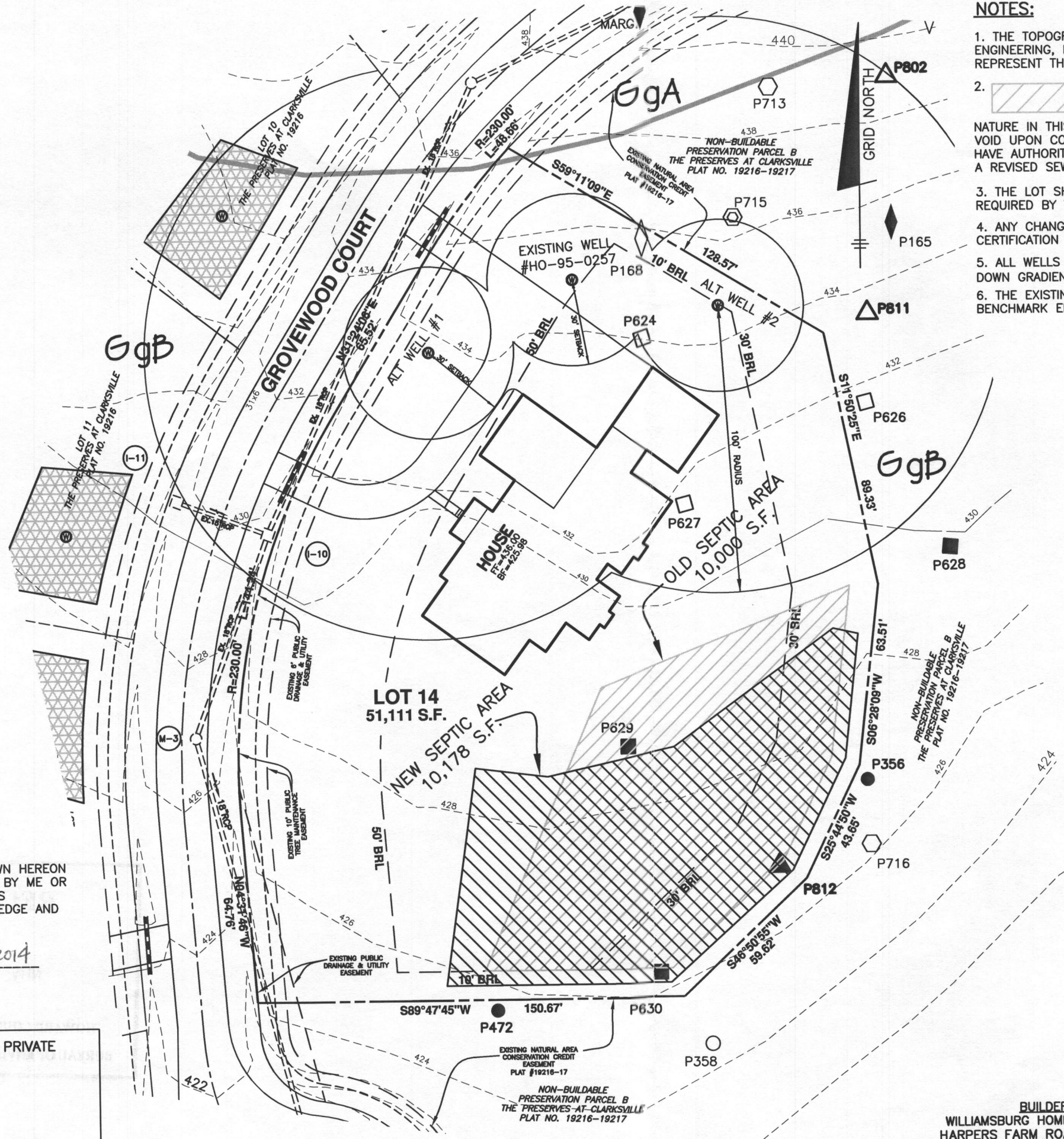
MqC3

Enb2


BLACK OAK CIND













PRES
HOWARD HOMEOWNERS
Le
Recon
future
site
40-95





NOTES:

1. THE TOPOGRAPHY OF THIS PLAN IS TAKEN FROM FIELD SURVEY BY BENCHMARK ENGINEERING, INC. AND SIGNED F-06-072 PLANS AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
2.  THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
4. ANY CHANGES TO THE PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE LOT BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
6. THE EXISTING WELL ON THIS LOT (TAG NO. HO-95-0257) HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

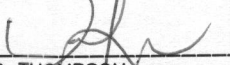
-  PASSED TEST HOLE TESTED NOV-DEC 2001
-  FAILED TEST HOLE TESTED NOV-DEC 2001
-  PASSED TEST HOLE TESTED APRIL/MAY 2003
-  PASSED TEST HOLE TESTED JANUARY/FEB 2004
-  FAILED TEST HOLE TESTED JANUARY/FEB 2004
-  FAILED TEST HOLE TESTED JUNE 2004
-  MARGINAL TEST HOLE TESTED JUNE 2004
-  PASSED TEST HOLE TESTED AUGUST 2004
-  FAILED TEST HOLE TESTED AUGUST 2004
-  WELL LOCATION
-  1,500 SF WELL BOX
-  Failed test hole April/May 2003

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

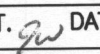
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644

| | |
|---|------------------------|
| THE PRESERVE AT CLARKSVILLE LOT 14 | |
| 12615 GROVEWOOD COURT TAX MAP: 34 GRID:11 PARCEL: 77 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND | |
| REVISED PERCOLATION CERTIFICATION PLAN | |
| DATE: NOVEMBER 4, 2014 | BEI PROJECT NO. 1407-W |
| SCALE: 1" = 40' | 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 MY KNOWLEDGE AND BELIEF.


 11/4/2014
DAVID THOMPSON
PLAN PREPARER













APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

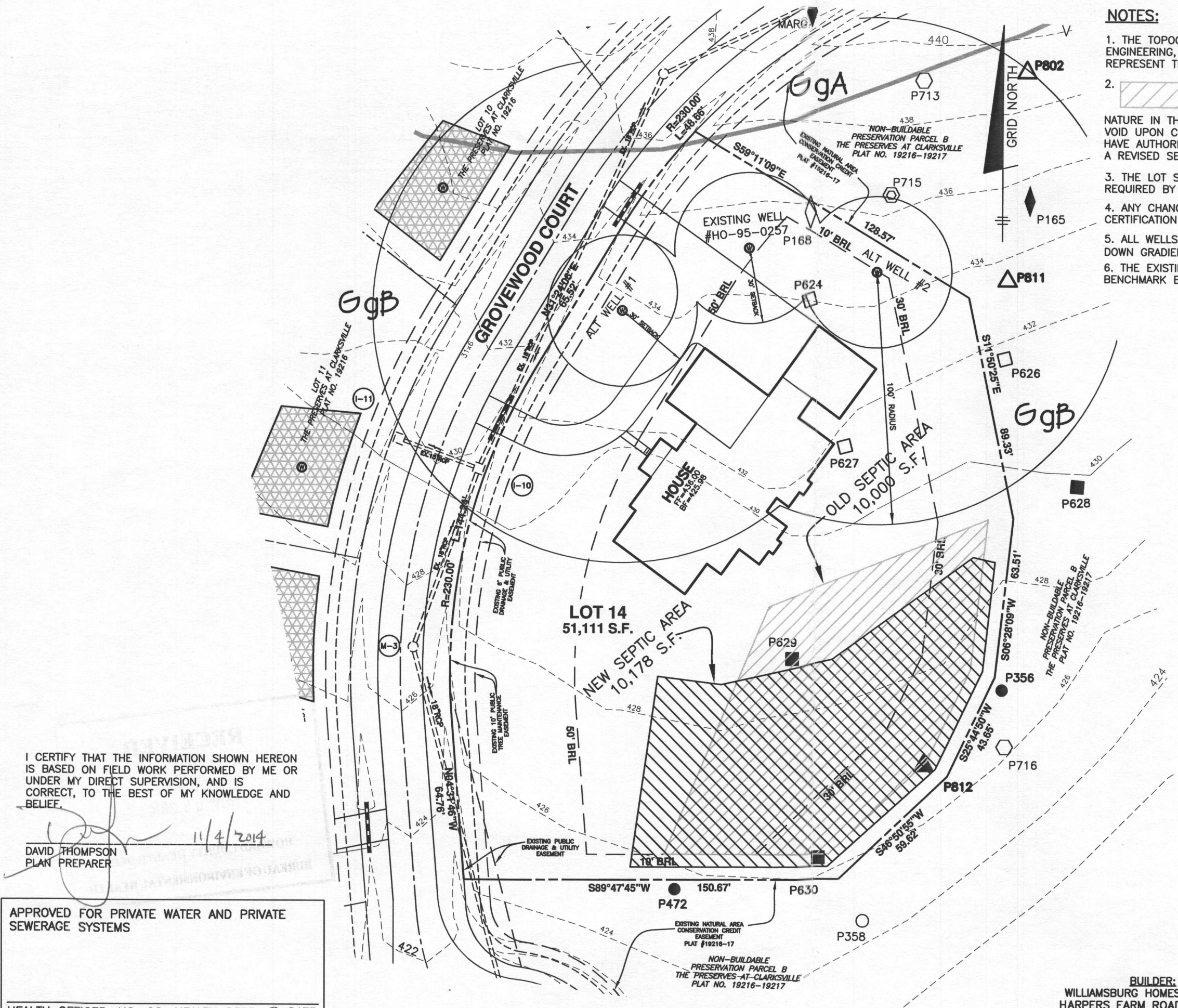
HEALTH OFFICER, HO. CO. HEALTH DEPT.  DATE

BUILDER:
WILLIAMSBURG HOMES, INC 5485
HARPERS FARM ROAD SUITE 200
COLUMBIA, MARYLAND 21044
410-997-8800

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2.  THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
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David Thompson
 DAVID THOMPSON
 PLAN PREPARER
 11/4/2014

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

HEALTH OFFICER, HO. CO. HEALTH DEPT. *in DATE*

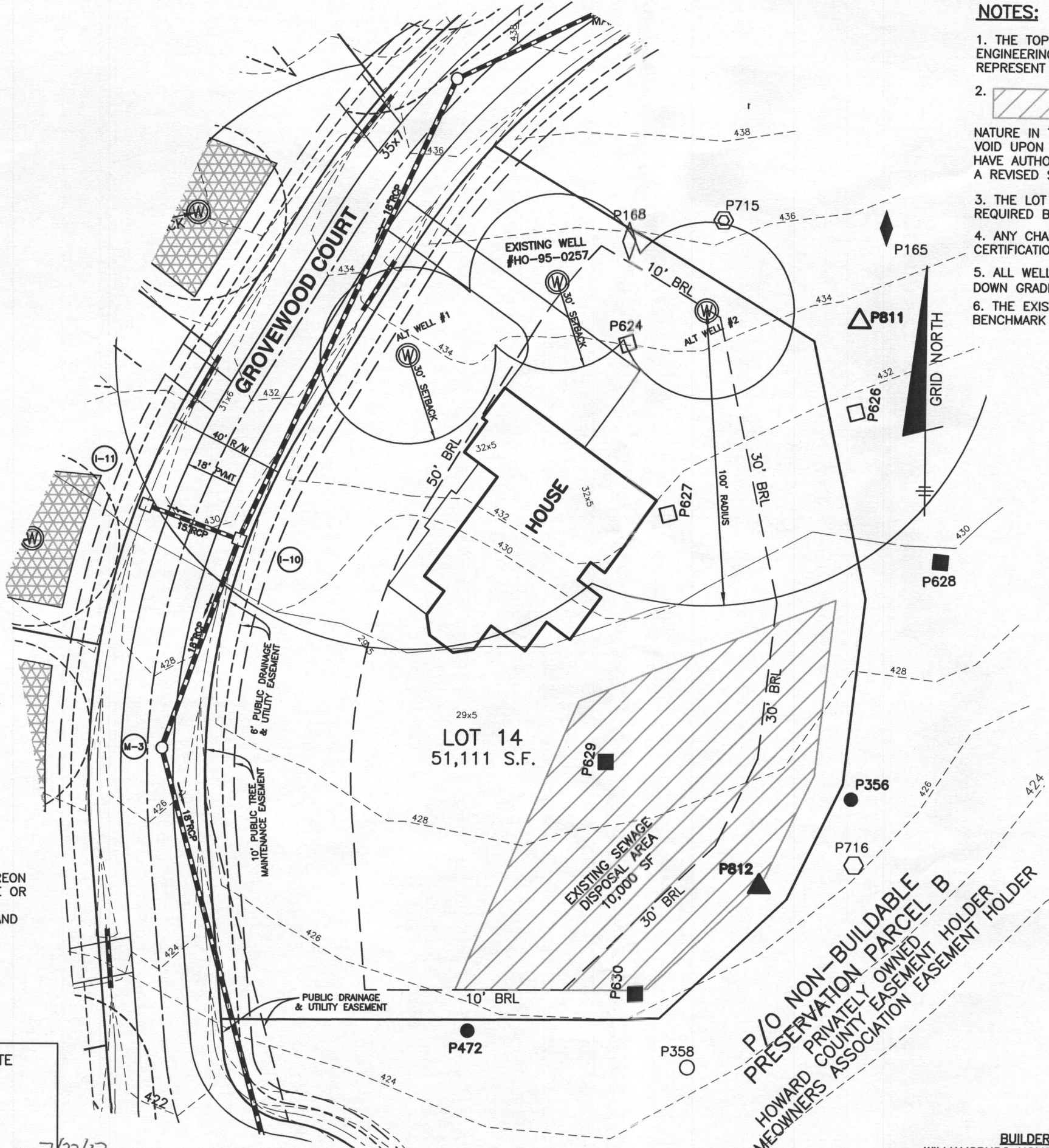
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BENCHMARK
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.


8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 (F) 410-465-6644












| | |
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| DATE: NOVEMBER 4, 2014 | BEI PROJECT NO. 1407-W |
| SCALE: 1" = 40' | DRAWING 1 OF 1 |

BUILDER:
 WILLIAMSBURG HOMES, INC 5485
 HARPERS FARM ROAD SUITE 200
 COLUMBIA, MARYLAND 21044
 410-997-8800



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-  FAILED TEST HOLE TESTED JUNE 2004
-  MARGINAL TEST HOLE TESTED JUNE 2004
-  PASSED TEST HOLE TESTED AUGUST 2004
-  FAILED TEST HOLE TESTED AUGUST 2004
-  WELL LOCATION
-  1,500 SF WELL BOX

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 MY KNOWLEDGE AND BELIEF.

David Thompson
 DAVID THOMPSON
 PLAN PREPARER

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

Wifon for Maura Redman 7/23/13
 HEALTH OFFICER, HO. CO. HEALTH DEPT. DATE

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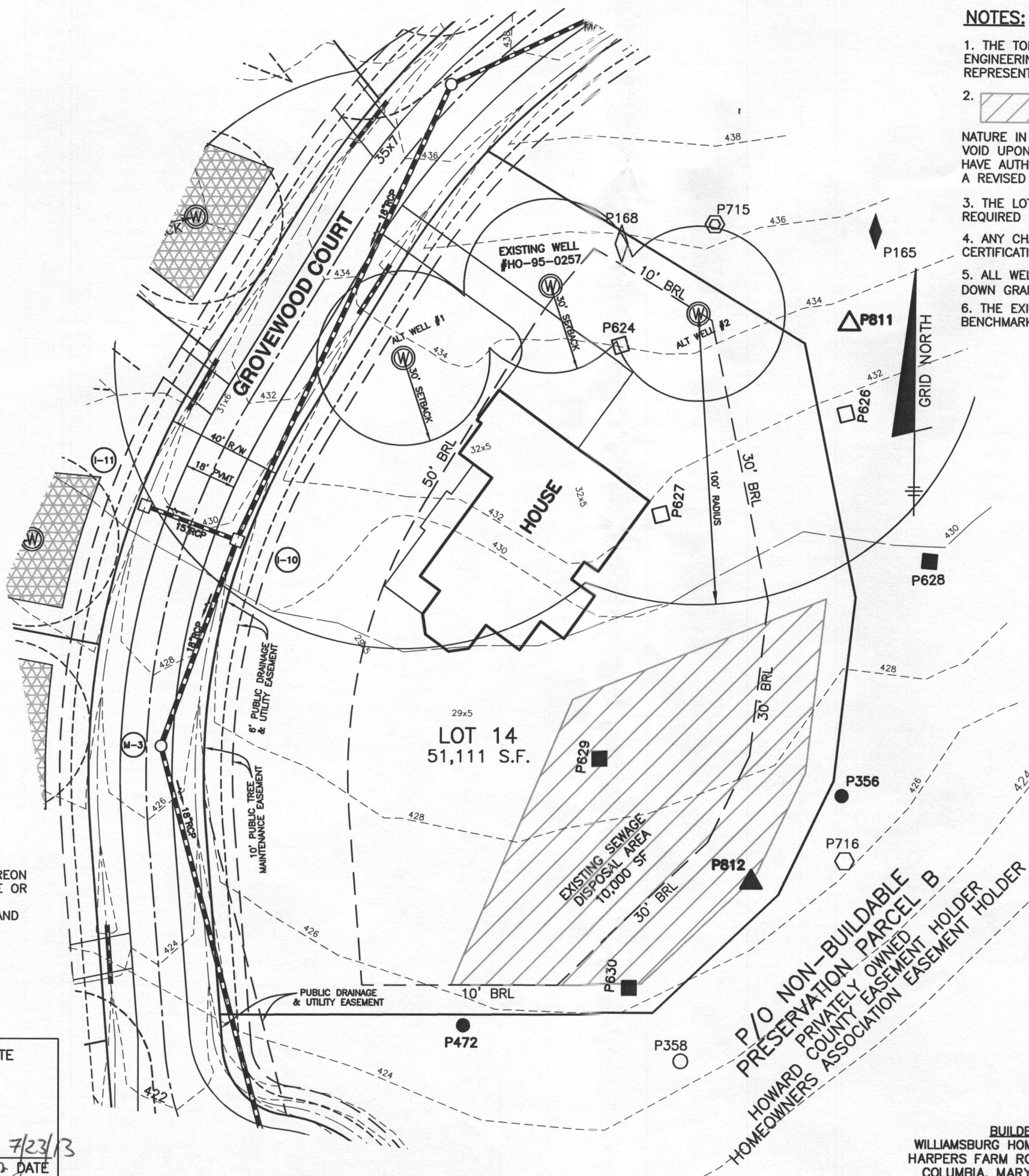
BENCHMARK
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 (F) 410-465-6644


| | |
|---|------------------------|
| THE PRESERVE AT CLARKSVILLE LOT 14 | |
| 12615 GROVEWOOD COURT TAX MAP: 34 GRID:11 PARCEL: 77 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND | |
| REVISED PERCOLATION CERTIFICATION PLAN | |
| DATE: JULY 8, 2013 | BEI PROJECT NO. 1407-W |
| SCALE: 1" = 40' | DRAWING 1 OF 1 |












P/O NON-BUILDABLE
 PRESERVATION PARCEL B
 HOWARD COUNTY EASEMENT HOLDER
 HOMEOWNERS ASSOCIATION EASEMENT HOLDER

BUILDER:
 WILLIAMSBURG HOMES, INC 5485
 HARPERS FARM ROAD SUITE 200
 COLUMBIA, MARYLAND 21044
 410-997-8800



NOTES:

1. THE TOPOGRAPHY OF THIS PLAN IS TAKEN FROM FIELD SURVEY BY BENCHMARK ENGINEERING, INC. AND SIGNED F-06-072 PLANS AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
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6. THE EXISTING WELL ON THIS LOT (TAG NO. HO-95-0257) HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

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-  PASSED TEST HOLE TESTED APRIL/ MAY 2003
-  PASSED TEST HOLE TESTED JANUARY/FEB 2004
-  FAILED TEST HOLE TESTED JANUARY/FEB 2004
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-  MARGINAL TEST HOLE TESTED JUNE 2004
-  PASSED TEST HOLE TESTED AUGUST 2004
-  FAILED TEST HOLE TESTED AUGUST 2004
-  WELL LOCATION
-  1,500 SF WELL BOX

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David Thompson
DAVID THOMPSON
PLAN PREPARER

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

Wilton for Maureen Rossman 7/23/13
HEALTH OFFICER, HO. CO. HEALTH DEPT. DATE

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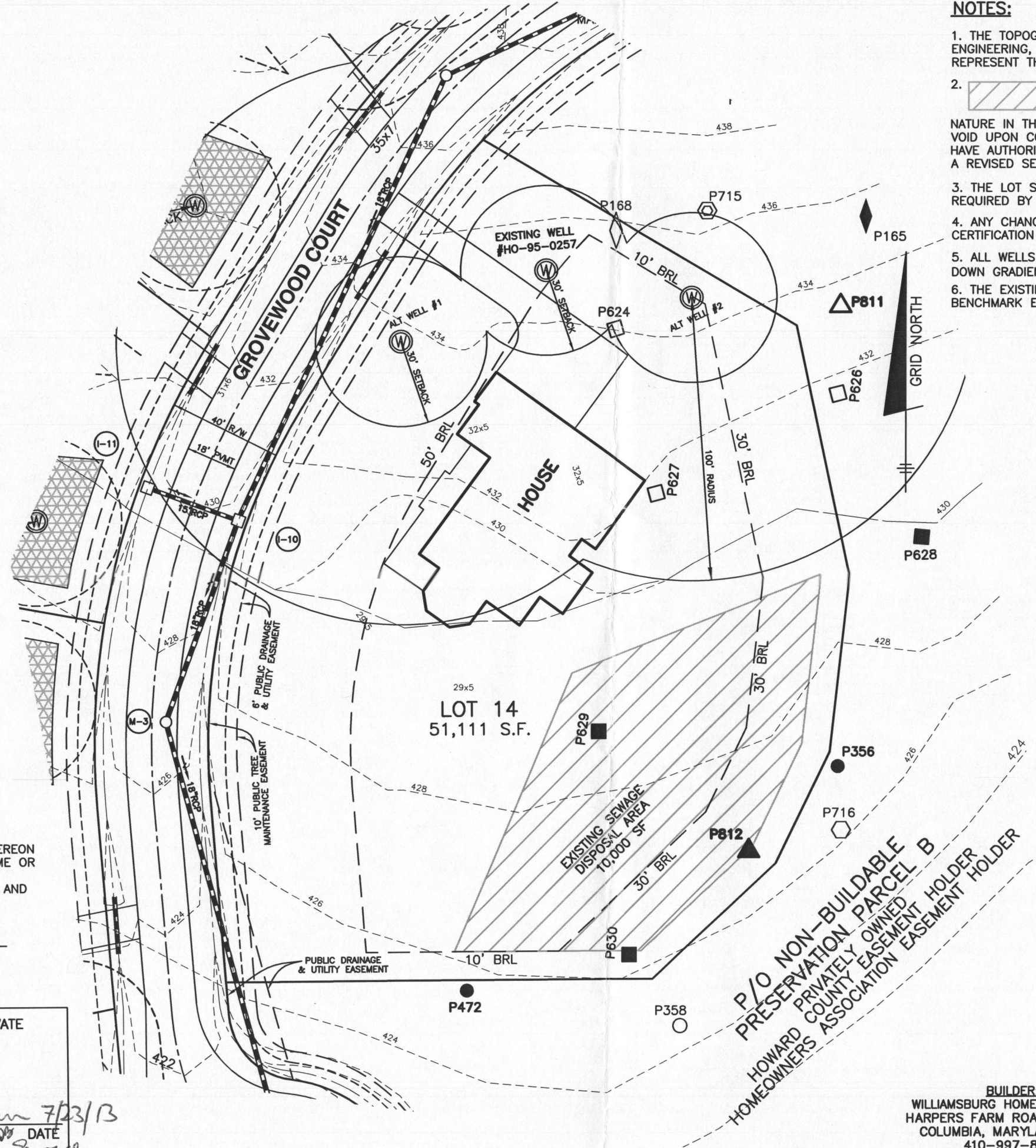
BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644


| | |
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| THE PRESERVE AT CLARKSVILLE LOT 14 | |
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| DATE: JULY 8, 2013 | BEI PROJECT NO. 1407-W |
| SCALE: 1" = 40' | DRAWING 1 OF 1 |












BUILDER:
WILLIAMSBURG HOMES, INC 5485
HARPERS FARM ROAD SUITE 200
COLUMBIA, MARYLAND 21044
410-997-8800

P/O NON-BUILDABLE
PRESERVATION PARCEL B
PRIVATELY OWNED
HOWARD COUNTY EASEMENT HOLDER
ASSOCIATION EASEMENT HOLDER



NOTES:

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-  FAILED TEST HOLE TESTED JANUARY/FEB 2004
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-  MARGINAL TEST HOLE TESTED JUNE 2004
-  PASSED TEST HOLE TESTED AUGUST 2004
-  FAILED TEST HOLE TESTED AUGUST 2004
-  WELL LOCATION
-  1,500 SF WELL BOX

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David Thompson
 DAVID THOMPSON
 PLAN PREPARER

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

Wife for Maureen Rossman 7/23/13
 HEALTH OFFICER, HO. CO. HEALTH DEPT. *Shirley* DATE

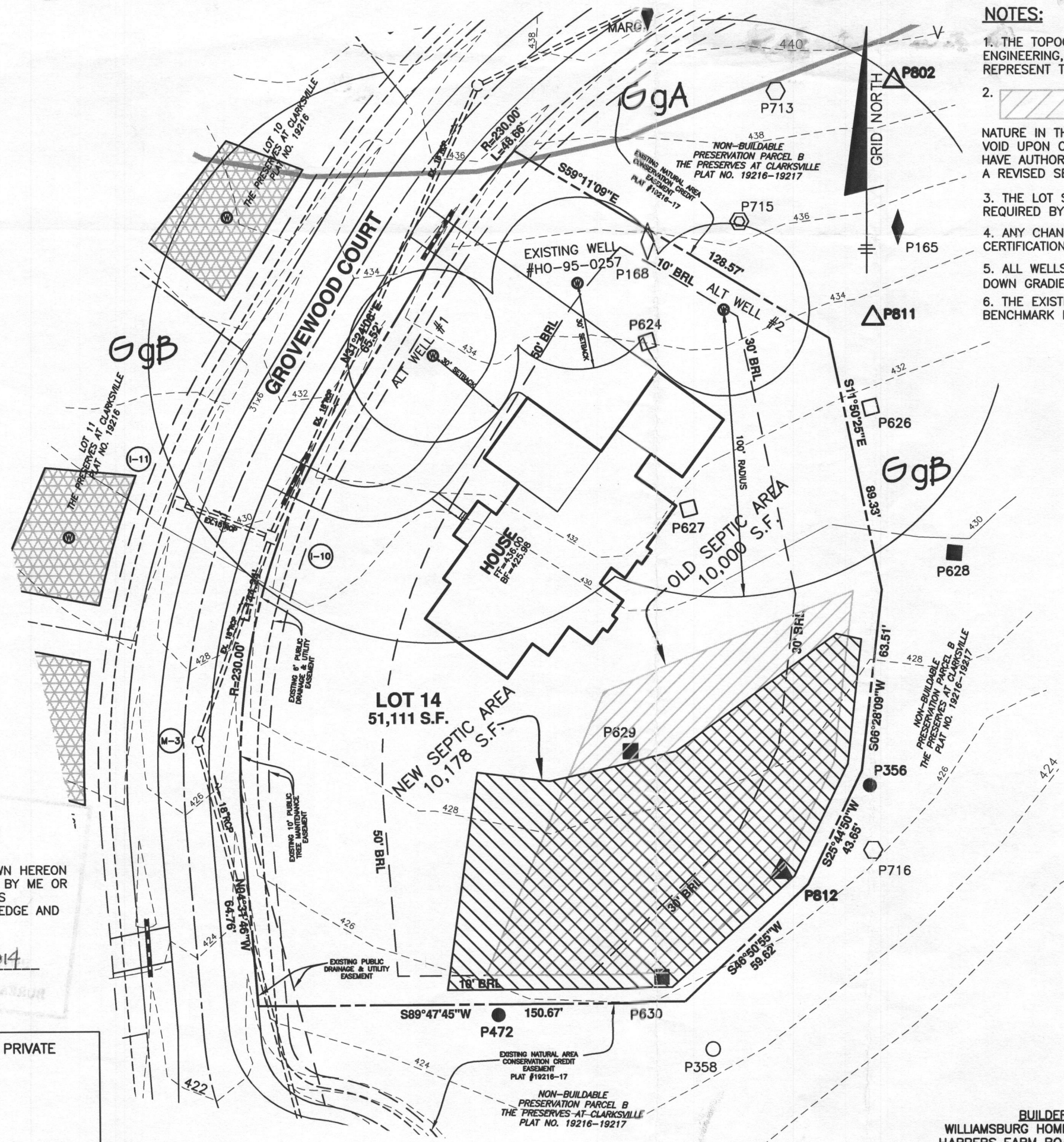
BENCHMARK
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 (F) 410-465-6644

| | |
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| THE PRESERVE AT CLARKSVILLE LOT 14 | |
| 12615 GROVEWOOD COURT TAX MAP: 34 GRID:11 PARCEL: 77 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND | |
| REVISED PERCOLATION CERTIFICATION PLAN | |
| DATE: JULY 8, 2013 | BEI PROJECT NO. 1407-W |
| SCALE: 1" = 40' | DRAWING 1 OF 1 |

BUILDER:
 WILLIAMSBURG HOMES, INC 5485
 HARPERS FARM ROAD SUITE 200
 COLUMBIA, MARYLAND 21044
 410-997-8800

P/O NON-BUILDABLE
 PRESERVATION PARCEL B
 PRIVATELY OWNED
 HOWARD COUNTY EASEMENT HOLDER
 HOMEOWNERS ASSOCIATION EASEMENT HOLDER



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- PASSED TEST HOLE TESTED APRIL/ MAY 2003
- PASSED TEST HOLE TESTED JANUARY/FEB 2004
- FAILED TEST HOLE TESTED JANUARY/FEB 2004
- FAILED TEST HOLE TESTED JUNE 2004
- MARGINAL TEST HOLE TESTED JUNE 2004
- PASSED TEST HOLE TESTED AUGUST 2004
- FAILED TEST HOLE TESTED AUGUST 2004
- WELL LOCATION
- 1,500 SF WELL BOX
- Failed test hole April/May 2003

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644

THE PRESERVE AT CLARKSVILLE LOT 14
12615 GROVEWOOD COURT
TAX MAP: 34 GRID:11 PARCEL: 77
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

REVISED PERCOLATION CERTIFICATION PLAN

| | |
|------------------------|------------------------|
| DATE: NOVEMBER 4, 2014 | BEI PROJECT NO. 1407-W |
| SCALE: 1" = 40' | 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 MY KNOWLEDGE AND BELIEF.

David Thompson 11/4/2014
DAVID THOMPSON
PLAN PREPARER

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

HEALTH OFFICER, HO. CO. HEALTH DEPT. *gn* DATE

BUILDER:
WILLIAMSBURG HOMES, INC 5485
HARPERS FARM ROAD SUITE 200
COLUMBIA, MARYLAND 21044
410-997-8800

| MAP SYMBOL/SOIL GROUP | | SOIL TYPE | |
|---|----|---|--|
| Bo | D# | | |
| B0 | D# | BALE SILT LOAM | |
| CgB2 | B | CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | |
| CgC2 | B | CHESTER GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED | |
| ChA | B | CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES | |
| ChB2 | B | CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | |
| Ca | B | COMUS SILT LOAM | |
| EaA | B | ELIJAH SILT LOAM, 0 TO 3 PERCENT SLOPES | |
| EaB2 | B | ELIJAH SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | |
| EaC2 | B | ELIJAH SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED | |
| GIA | B | GLENHOLM SILT LOAM, 0 TO 3 PERCENT SLOPES | |
| GIB2 | B | GLENHOLM SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | |
| GIC2 | B | GLENHOLM SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED | |
| GID2 | B | GLENHOLM SILT LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED | |
| GIA | C# | GLENHOLM SILT LOAM, 0 TO 3 PERCENT SLOPES | |
| GIB2 | C# | GLENHOLM SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | |
| MgB2 | B | MANOR GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | |
| MgC2 | B | MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED | |
| MgC3 | B | MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED | |
| MD2 | B | MANOR LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED | |
| MIE | B | MANOR LOAM, 25 TO 45 PERCENT SLOPES | |
| * INKNOTES HYDRAIC SOILS | | | |
| TAKEN FROM SOIL SURVEY, HOWARD COUNTY, MARYLAND (ISSUED JULY 1988) MAP NO. 23 | | | |

- LEGEND**
- EXISTING CONTOURS (2' INTERVALS)
 - EXISTING TREELINE
 - PROPOSED TREELINE
 - CL STREAM
 - LIMIT OF WETLANDS
 - PROPOSED SEPTIC AREA
 - FOREST CONSERVATION EASEMENT
 - 1500 S.F. WELLBOX
 - LIMIT OF 100YR FLOODPLAIN
 - SOILS DIVISION LINE
 - EkC2 SOILS TYPE

- PASSED TEST HOLE TESTED NOV-DEC 2001
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- FAILED TEST HOLE TESTED JANUARY/FEBRUARY 2004
- PASSED TEST HOLE TESTED JUNE 2004
- FAILED TEST HOLE TESTED JUNE 2004
- MINORIAL TEST HOLE TESTED JUNE 2004

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

Donald Mason 2-2-07
DONALD MASON P.E. #21443
PLAN PREPARER

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Colin J. DeLoe 2/2/07
HOWARD COUNTY HEALTH OFFICER 179D DATE

BENCHMARK ENGINEERING, INC.
ENGINEERS & LAND SURVEYORS & PLANNERS

8480 BALTIMORE NATIONAL PIKE & SUITE 418
ELICOTT CITY, MARYLAND 21043
PHONE: 410-465-9105 FAX: 410-465-5844
WWW.BE-CVLENGINEERING.COM

STATE OF MARYLAND PROFESSIONAL ENGINEER 22-07

OWNER: BARBARA J. PALMER AND DONNA P. CLELAND
6100 BROOKLYN BRIDGE ROAD
LAUREL, MARYLAND 20707

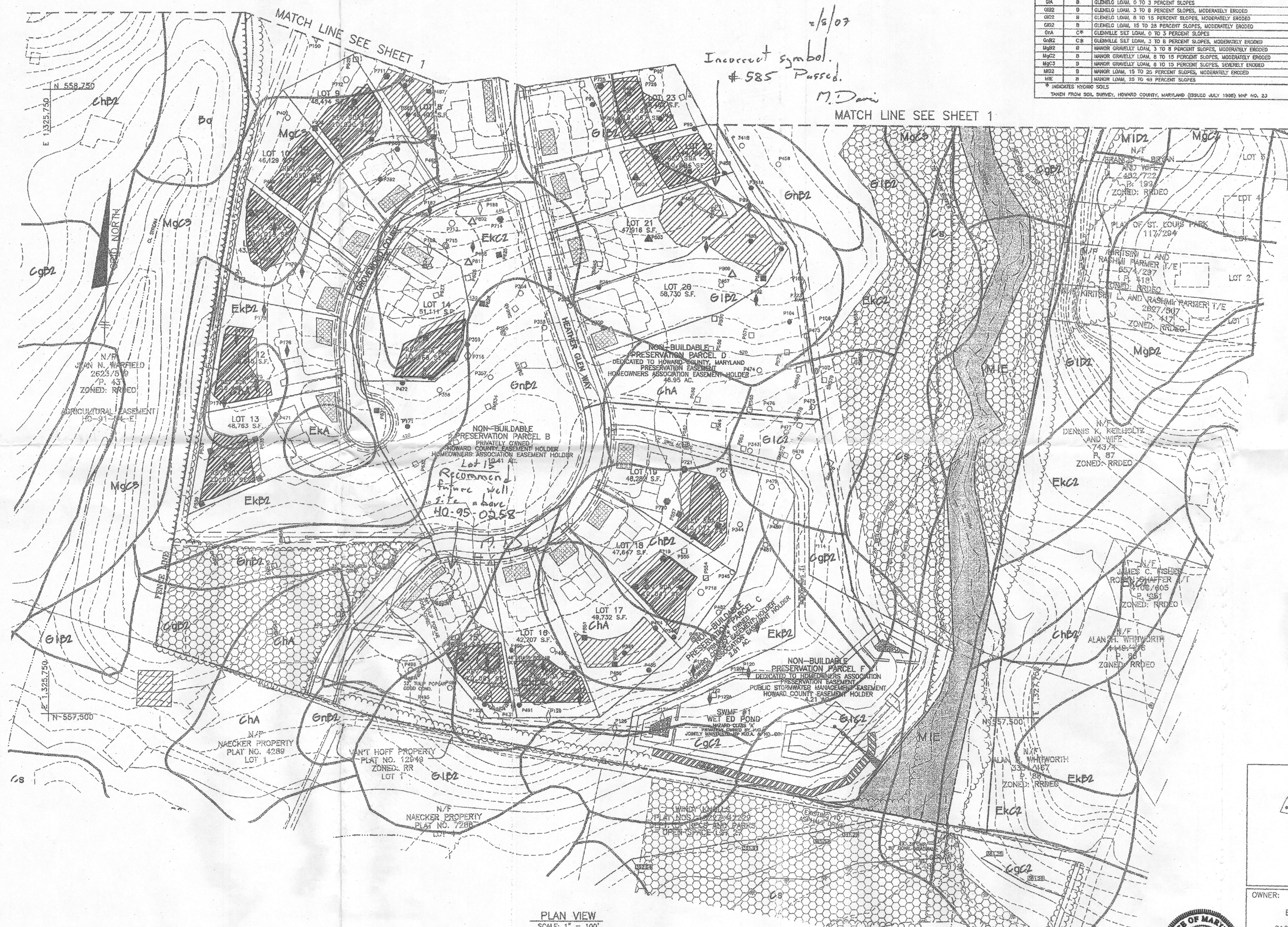
PROJECT: TURNBURY GROVE
LOTS 1-32, BUILDABLE PRESERVATION PARCEL 'A' AND NON-BUILDABLE PRESERVATION PARCELS 'B' - 'F'

LOCATION: TAX MAP: 34, GRID: 11, 12, 17 & 18
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DEVELOPER: DALE THOMPSON BUILDERS
6300 WOODSIDE COURT
COLUMBIA, MARYLAND 21046
301-596-7280

TITLE: REVISED PERCOLATION CERTIFICATION PLAN

DATE: FEBRUARY, 2007 PROJECT NO. 1407
SCALE: AS SHOWN SHEET 2 OF 2



PLAN VIEW
SCALE: 1" = 100'

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY DEPARTMENT


M. J. Davis 12/25/07
HOWARD COUNTY HEALTH OFFICER DATE

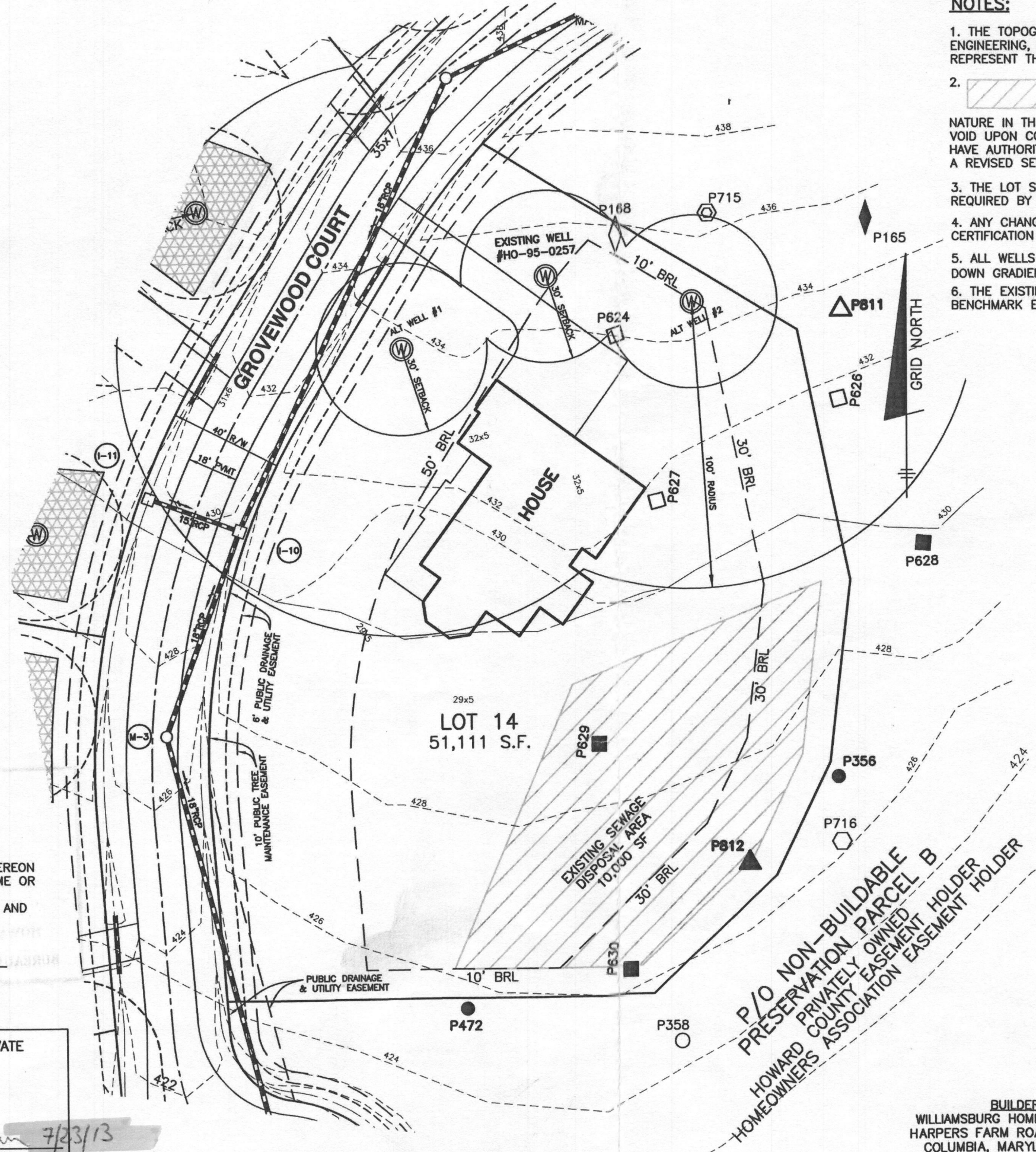
REVISION No. 1 IS BY DALE THOMPSON BUILDERS, INC.
THE ENGINEER'S SEAL AND SIGNATURE ARE HEREWITH AFFIXED.












8-28-07 REVISED SEPTIC FIELD AREA LOCATION

DESIGN: LDD DRAFT: DBT/LDD CHECK: DAM

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BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644

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DAVID THOMPSON
PLAN PREPARER

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

B. Wilson for Maureen Rossman 7/23/13
HEALTH OFFICER, HO. CO. HEALTH DEPT. DATE

BUILDER:
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HARPERS FARM ROAD SUITE 200
COLUMBIA, MARYLAND 21044
410-997-8800