



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P 52667

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: EXISTING

- RESIDENTIAL WITH 3 ~~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) JERRY + NANCY BERSON

DAYTIME PHONE 301.725.5126 CELL _____ FAX _____

MAILING ADDRESS 11505 JOHNS HOPKINS RD CLARKSVILLE MD 21029
STREET CITY/TOWN STATE ZIP

APPLICANT LILI MUNDROFF

DAYTIME PHONE 410.788.2289 CELL _____ FAX 410.788.8611

MAILING ADDRESS 640 FREDERICK RD CATONSVILLE MD 21228
STREET CITY/TOWN STATE ZIP

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

ARCHITECT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 11505 JOHNS HOPKINS RD/HOPKINS MEAD LOT NO. 12.969A

PROPERTY ADDRESS 11505 JOHNS HOPKINS RD UNKNOWN
STREET TOWN/POST OFFICE

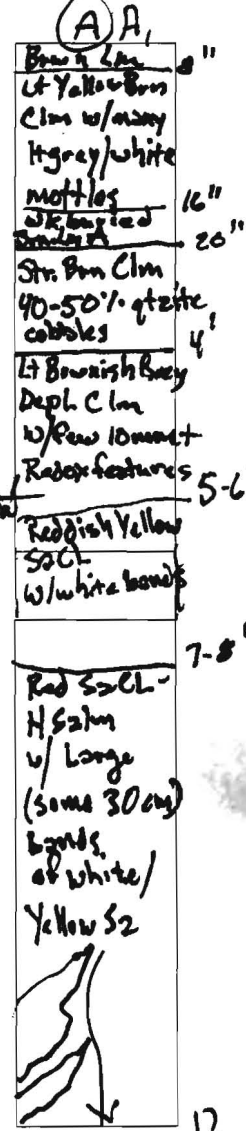
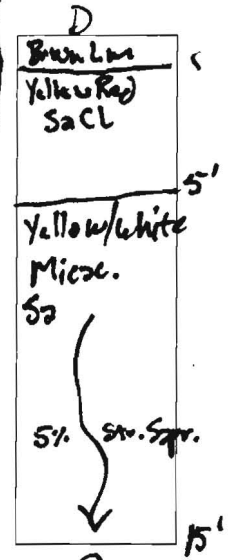
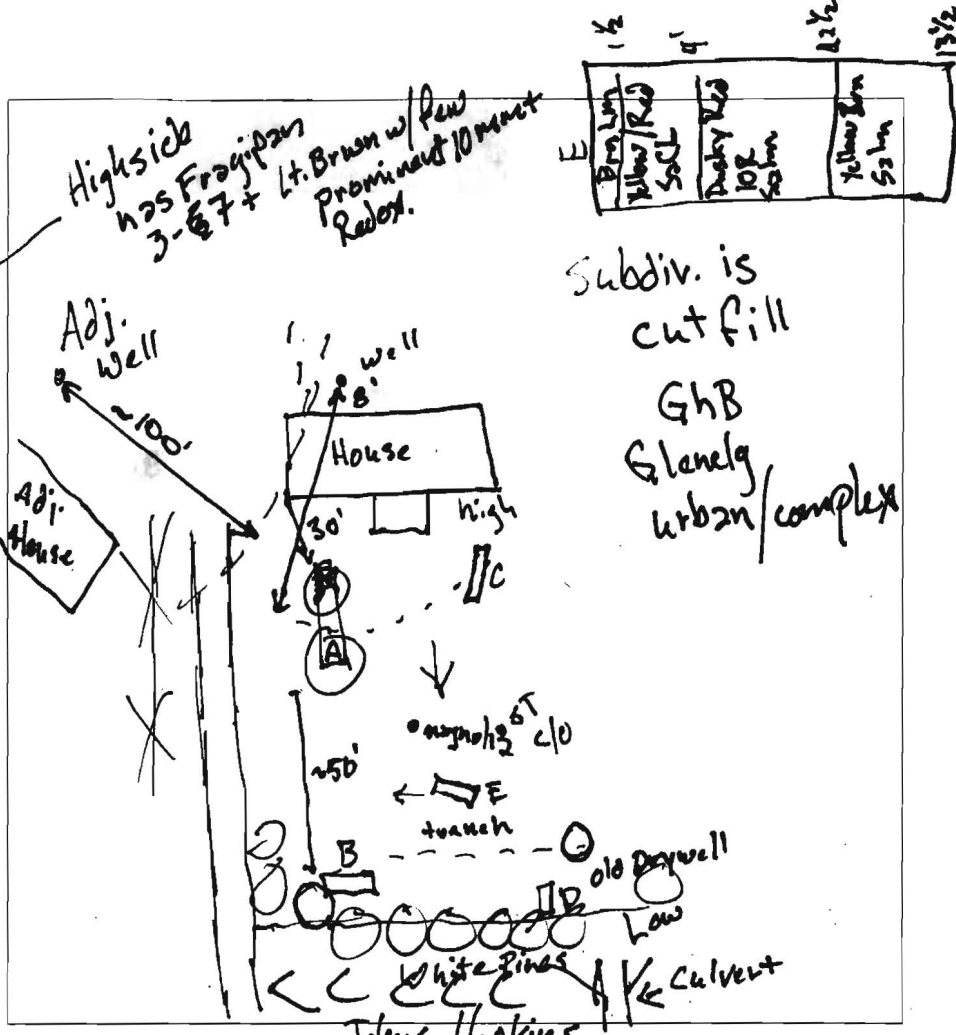
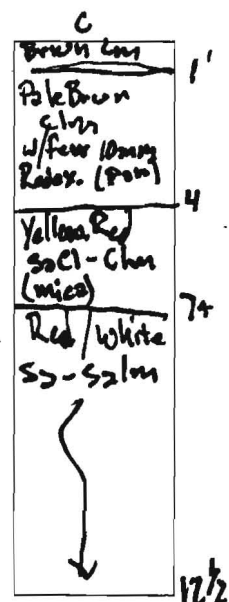
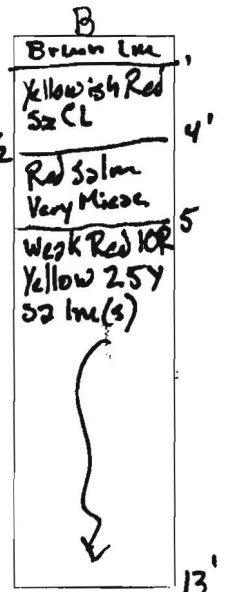
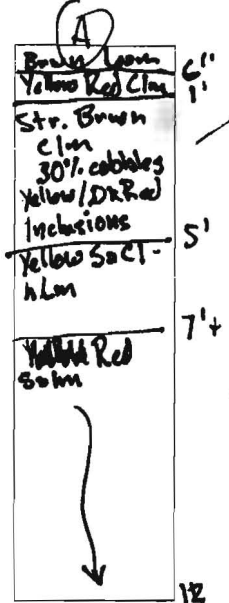
TAX MAP PAGE(S) 41 GRID 15 PARCEL(S) 195
LOT COVERAGE ACTUAL
PROPOSED LOT SIZE 2,965 SF
EXISTING LOT SIZE 43,564 SF

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.

Lili Mundroff
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 526647



| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|------|--------|-----------|-------|------------------------------|--------------|------------------|-------|
| 4/27 | A | 7'12" | 9:55 | Highside of hole no movement | | | F |
| | A1 | 6'12" | 10:25 | slow | | | |
| | B | 5'13" | 10:30 | 10:32 | 10:35 | 3m | P |
| | C | 7'12"2" | 10:55 | slow | | | |
| | A1 | 7'12" | 11:21 | 1/4" in 45m | | | |
| | C | 8'12"6" | 11:05 | 11:30 | 12:00 | 30m | P |
| | D | 4'15" | | | | | P |
| | E | 4'13 1/2" | | | | | P |

REMARKS: *Stay to low side of highest tests* High Soils very inconsistent/could do 3 separate profiles for A & C each
 SANITARIAN: SAC BACKHOE: Pom Heaps OTHERS: Howdy & Bob (J&M)
 TEST HOLES USED IN SDA: _____ AVG. PERC TIME: _____ SQ. FT/BR: _____
 TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE SW: _____

Mr. Berson 410 966 4383



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 4/27/07 TEST TIME 9AM A/P 52667
 AGENCY REVIEW: GAC - Urban Land (Disturbed) & Gmb DATE _____

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 RESIDENTIAL WITH 3 ~~PROPOSED~~ BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
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PROPERTY OWNER(S) JERRY + NANCY BERSON

DAYTIME PHONE 301.725.5726 CELL _____ FAX 410 966 4383

MAILING ADDRESS 11505 JOHNS HOPKINS RD CLARKSVILLE MD 21029
STREET CITY/TOWN STATE ZIP

APPLICANT LILI MUNDROFF

DAYTIME PHONE 410.788.2289 CELL _____ FAX 410.788.8611

MAILING ADDRESS 640 FREDERICK RD CATONSVILLE MD 21228
STREET CITY/TOWN STATE ZIP

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PROPERTY LOCATION
 SUBDIVISION/PROPERTY NAME 11505 JOHNS HOPKINS RD/HOPKINS MEAD LOT NO. 12.969A

PROPERTY ADDRESS 11505 JOHNS HOPKINS RD UNKNOWN
STREET TOWN/POST OFFICE

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TEST RESULTS WILL BE MAILED TO APPLICANT.

Lili Mundroff
SIGNATURE OF APPLICANT

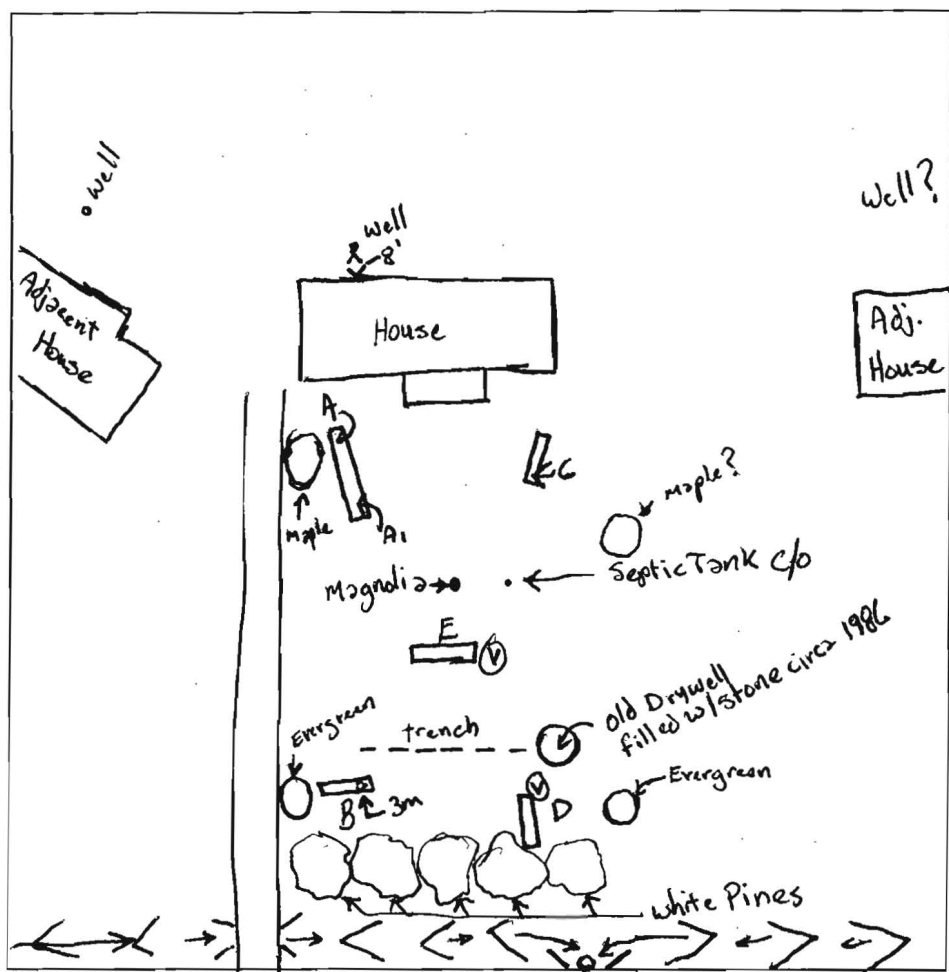
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP 526647

(A)
 Brwn Lm 8"
 Lt Yellow Brn Clm w/ many lt grey depletions 16"
 Bar. bed A horizon Brn. Lm 20"
 Str. Brn Clm 40-50% cobbles & 2ite 48"
 Dense Clay Lt. Brnish Grey w/ few 10mm + Redox. 5-6'
 Reddish Yellow Clm w/ white bands 7-8'
 Red SCL - H Solm w/ large (some 30cm) bands of white/ Yellow S 12'

B
 Brwn Lm 1'
 Yellowish Red SCL 4'
 Red Solm Lots of micro flakes 5'
 Weak Red 10R 2nd Yello 2.5' Solm(s) <5% Str. Saprol. 13'

C
 Brwn Lm 1'
 Pale Brwn Chroma <2 Clm w/ few 10mm Redox 4'
 Red/White H Solm - SCL 4'
 Red/White Solm 8'
 12 1/2'



D
 Brwn Lm 1'
 Yellow Red SCL 5'
 Yellow & White S2-Solm Many 2mm micro flakes 5% Str. Saprol. 15'

E
 Brwn Lm 1 1/2'
 Yellow Red SCL 4'
 Dusky Red 10R Solm micro. 12'
 Yellow Brn Solm 13 1/2'

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2nd INCH | P/F/H |
|------|----------------|----------|-------|-----------------|--------------|------------------|--------|
| | A | 7'/12' | 9:55 | No movement | | | F |
| | A ₁ | 6'/12' | 10:25 | little movement | | | F |
| | A ₁ | 7'/12' | 11:21 | < 1/2" in 45m | | | F |
| | B | 5'/13' | 10:30 | 10:32 | 10:35 | 3m | P |
| | C | 7'/12'6" | 10:55 | slow | | | F |
| | C | 8'/12'6" | 11:05 | 11:30 | 12:00 | 30m | Marg P |
| | D | ⓪/15' | | | | ast. 3m @ 5' | P |
| | E | ⓪/13' | | | | ast. 3m @ 4' | P |

REMARKS Subdivision soils are NRCS GbB - Glenside Urban Land - Mostly Cut-fill
 SANITARIAN GAC BACKHOE Ronnie Heaps OTHERS Arch, Mr. Berson, Helpers
 TEST HOLES USED IN SDA E, B, D AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

3/13/2007

To: Lili Mundroff
Brennan Company Architects
640 Frederick Rd.
Baltimore, MD 21046
FAX (410) 788-8611

From: Gabe Creighton
Well and Septic Program

Re: Percolation Testing A526647
11505 Johns Hopkins Rd.
Berson Residence

Ms. Mundroff,

Percolation testing conducted 4/27/2007 on the above referenced property has yielded favorable results limited somewhat by deep clay strata in the areas around test holes A and C. Further review of the project is contingent upon submittal of a Percolation Certification Plan as required by Howard County Code Subtitle 3.8. The proposed septic reserve area should fully encompass tests B, D, and E. If possible at this time, include on this plan the proposed footprint of the proposed addition to the house (in addition to the existing house footprint).

Enclosed for your reference is a summary of these regulations, a copy of the test notes, and a chart of applicable setbacks for residential development.

Upon receipt of the Percolation Certification Plan, this office will review the plan to ensure the application of state and local codes and regulations. If deemed appropriate, the plan may be approved. Upon approval of the Percolation Certification plan to support an addition to the existing dwelling on the property, a permit may be issued to upgrade the septic tank to accommodate the addition. The square footage being added to the house will require the installation of an upgraded 1500 gallon septic tank. Once this upgrade is completed, a building permit may be issued by this Department.

If you have any questions regarding this process, at this time or in the future, please do not hesitate to contact me directly at (410) 313-2775.

Respectfully,

A handwritten signature in black ink, appearing to read 'Gabriel A. Creighton'.

Gabriel A. Creighton, R.S.
Development Coordination Section
Well and Septic Program

Enclosures

cc: Jerry Berson FAX (410) 966-4383
File

4/10/2007 11505 Johns Hopkins Rd.

Rec Call from Lily? inquiring what will be required for addition/Renovation of the ex. structure.

Repair information only, 12' deep trench installed

1986 No perc ~~Records~~! No well location in file.
Time/location - 1 half of profile

* Will require perc testing to establish SDA, Perc Cert for addition. Upgrade of Septic also likely unless able to perc @ 16' and ~~is~~ sufficient for proposed use.

— Type of addition, sq. ft.?, location

— No Utilities Available

11505 Johns Hopkins

Lily - 410 788 2289.



Spoke to Sara - well set back??

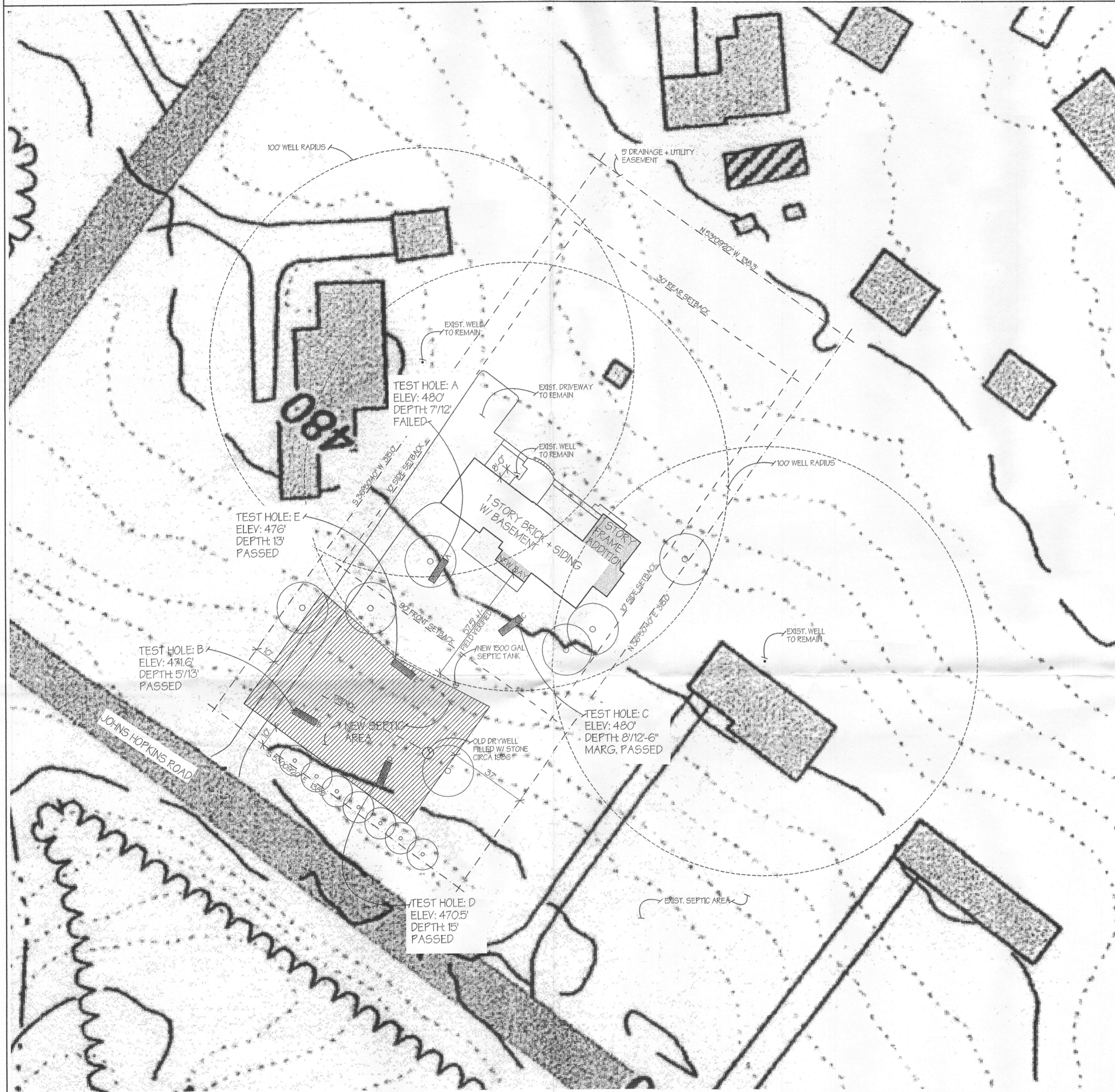
P 38679
DATE 2/10/87

LOCATION 11505 John Hopkins
Road
LOT _____ APPLICATION _____
APPLICANT Jack Fyock HOLD APPROVED _____
OWNER Abel B. Jefferson REJECTED _____
PERMITTEE Jack Fyock
INSTALLATION
HOLD APPROVED _____
DATE 2/6/87

HD-11

986
986

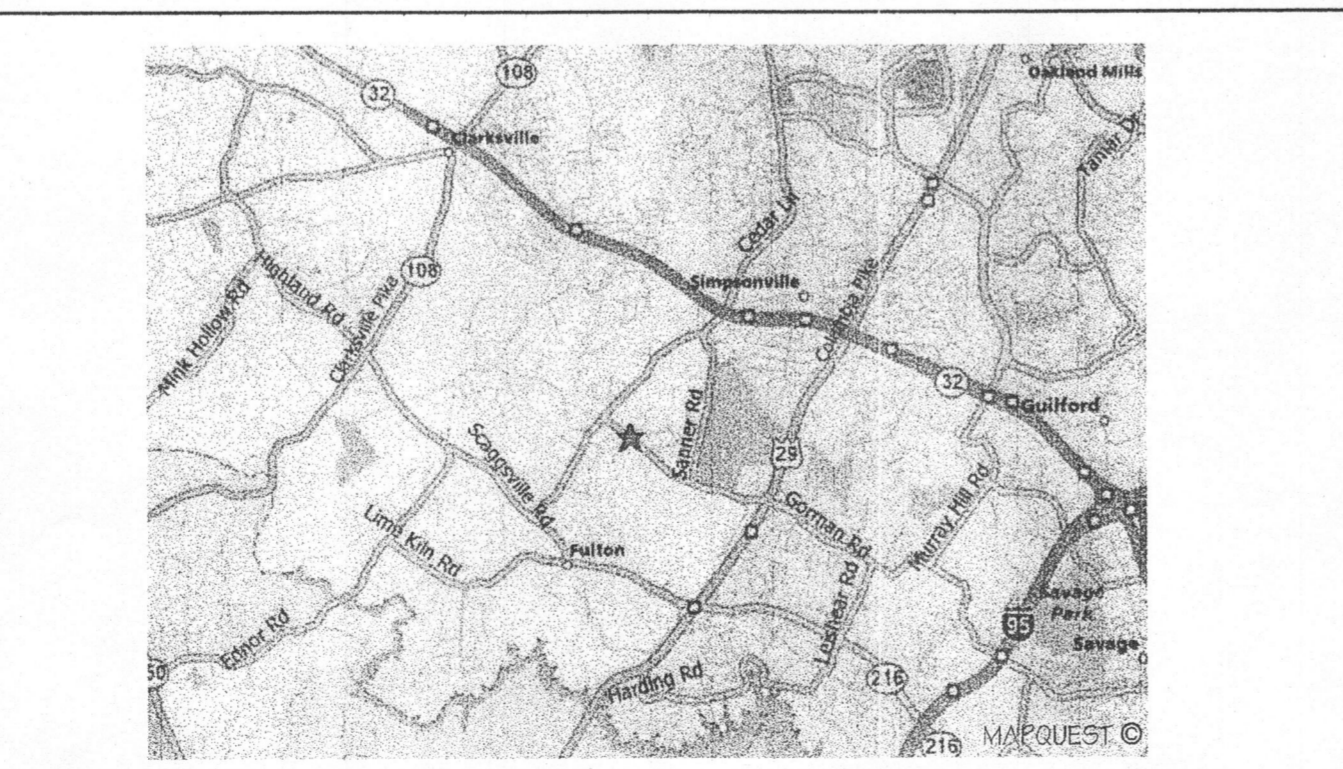
SITE PLAN scale: 1"=30'



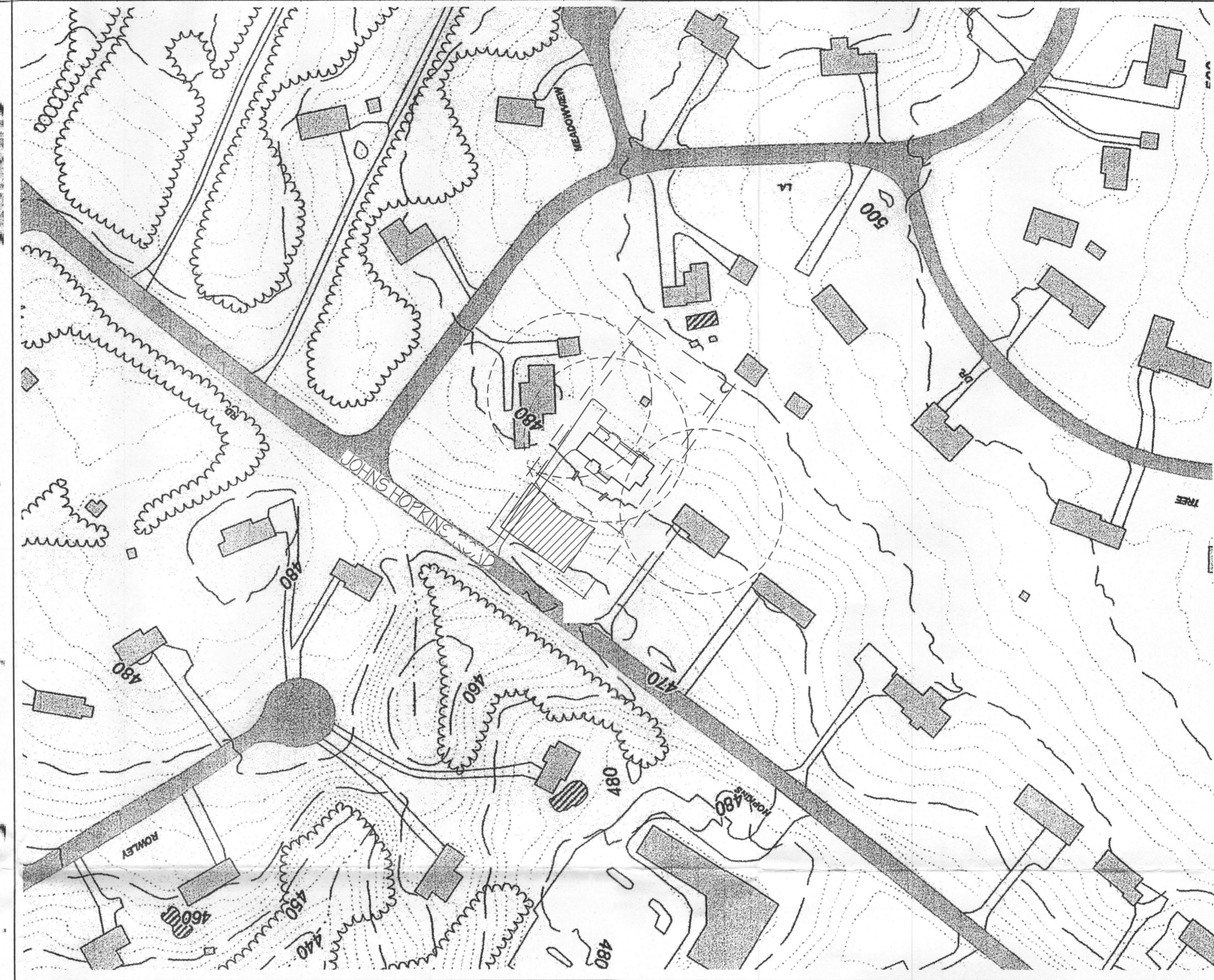
SITE NOTES

- EXISTING WELL (TO REMAIN) OVER 100' FROM NEW SEPTIC FIELD
- EXISTING WELL (TO REMAIN) APPROX. 100' FROM NEW 1500 GAL SEPTIC TANK (LOCATED IN PLACE OF OLD TANK)
- NEW 1500 GAL SEPTIC TANK INSTALLED AND APPROVED BY HOWARD CO. HEALTH DEPT.
- NEW SEPTIC TANK IS 63.1' +/- FROM EXIST. HOUSE
NEW SEPTIC TANK WILL BE 57.5' +/- FROM NEW BAY ADDITION
NEW SEPTIC TANK MEETS 20' SETBACK REQUIREMENT FROM BASEMENT WALL
- EXISTING 1 STORY HOUSE + BASEMENT TO REMAIN
- NEW (1) STORY FRAME ADDITION OVER NEW CONDITIONED CRAWL SPACE
MAINTAIN EXISTING SETBACK OF SEPTIC TANK FROM HOUSE WITH BASEMENT
- COMMON USE DRIVEWAY
- EXISTING DRIVEWAY TO REMAIN
- NEW STONE WALK SET IN STONEDUST
- EXISTING BUILDING RESTRICTION LINE - NO CHANGE
- EXISTING PROPERTY LINE - NO CHANGE
- NEW SEPTIC EASMENT AREA (SEE SITE PLAN + PROJECT DATA)

VICINITY MAP



SITE PLAN scale: 1"=100'



PROJECT DATA

ADDRESS
11505 JOHNS HOPKINS ROAD
CLARKSVILLE, MD 21029-1834

LOT AREA
43,564.00 SF

FLOOR AREA
EXISTING BASEMENT 1238.34 SF
EXISTING FIRST FLOOR 2,493.15 SF
NEW BASEMENT ADDITION NO CHANGE
NEW 1ST FLOOR ADDITION 465.58 SF

HEIGHT
(1) STORY + BASEMENT

USE GROUP
RR-ZONE
LOT 12
EXISTING 2 BEDROOM + (1) MEDIA ROOM
SINGLE FAMILY HOUSE
(NO DEVELOPMENT EXCHANGE OCCURRED)

LEGEND

| | |
|--|---|
| | NEW SEPTIC AREA 5,925 SF |
| | TEST HOLE A DEPTH 7'12" FAILED |
| | TEST HOLE B DEPTH 5'13" PASSED |
| | TEST HOLE C DEPTH 8'12-6" MARGINALLY PASSED |
| | TEST HOLE D DEPTH 1'15" PASSED |
| | TEST HOLE E DEPTH 1'13" PASSED |

SCOPE: (1) STORY MASTER BEDROOM + BATH ADDITION
(1) STORY LIVING ROOM BAY ADDITION
INTERIOR RENOVATIONS
NEW EXTERIOR TERRACE + SITE WALL

NEW SEPTIC AREA
NEW 1500 GAL 2 COMPARTMENT SEPTIC TANK

GENERAL NOTES

- BERSON RESIDENCE 11505 JOHNS HOPKINS RD
TAX MAP #11 PARCEL 186, GRID 15, LOT 12
PURPOSE: NEW SEPTIC RESERVE AREA + NEW 1500 GAL SEPTIC TANK
- OWNER NAME: NANCY AND JERRY BERSON
OWNER ADDRESS: 11505 JOHNS HOPKINS RD, CLARKSVILLE, MD 21029
OWNER PHONE: 410.965.6124 (WORK) 410.245.9400 (CELL)
- DRAWING DATE: 05.17.2007
- NO CHANGE TO EXISTING PROPERTY LINES.
- EXCAVATED TEST HOLES OBSERVED BY APPROVING AUTHORITY:
A-FAILED, B-PASSED, C-PASSED MARGINALLY, D-PASSED, E-PASSED
- LEGEND FOR HOLES: SEE PROJECT DATA
- PROPOSED SEPTIC RESERVE AREA: SEE LEGEND IN PROJECT DATA
- TOPOGRAPHY AT TWO FOOT INTERVALS OBTAINED FROM HOWARD COUNTY GIS AND FIELD VERIFIED THRU SITE VISIT.
- ALL STREAMS, PONDS, FLOODPLAINS, 25% AND GREATER SLOPES ON SITE AND WITHIN 100 FEET ARE IDENTIFIED. NONE EXISTING.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION AND ARE TO REMAIN
- ALL EXISTING WELLS LOCATED WITHIN 200 FEET DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWERAGE DISPOSAL EASEMENTS HAVE BEEN SHOWN AND ARE TO REMAIN
- EXISTING HOUSE ON HOUSE SITE LOCATION IDENTIFIED.
ZONE RR. NO DEVELOPMENT CHANGE HAS OCCURRED.
BUILDING RESTRICTION LINES ARE IDENTIFIED ON PLAN: FRONT 90', SIDE 10', REAR 30'.
- I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA SHALL BE SUBJECT TO THE COUNTY HEALTH OFFICER'S REVIEW. THIS SEWERAGE 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 SEWERAGE DISPOSAL AREA.

APPROVED:

FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
PERCOLATION TEST FEE RECEIPT NUMBER 26647

FOR HEALTH OFFICER: *B. Nelson for Peter Beilensen md* 5/30/07
DATE

Brennan Company
ARCHITECTS
640 FREDERICK ROAD BALTIMORE, MARYLAND 21228 410.788.2289
MARYLAND 301.654.8144 WASHINGTON

Project:
BERSON RESIDENCE
11505 Johns Hopkins Rd.
Clarksville, MD 21029

Drawing:
PERCOLATION CERTIFICATION PLAN

| Phase | Date |
|--------------------|----------|
| PERCOLATION PERMIT | 05.17.07 |

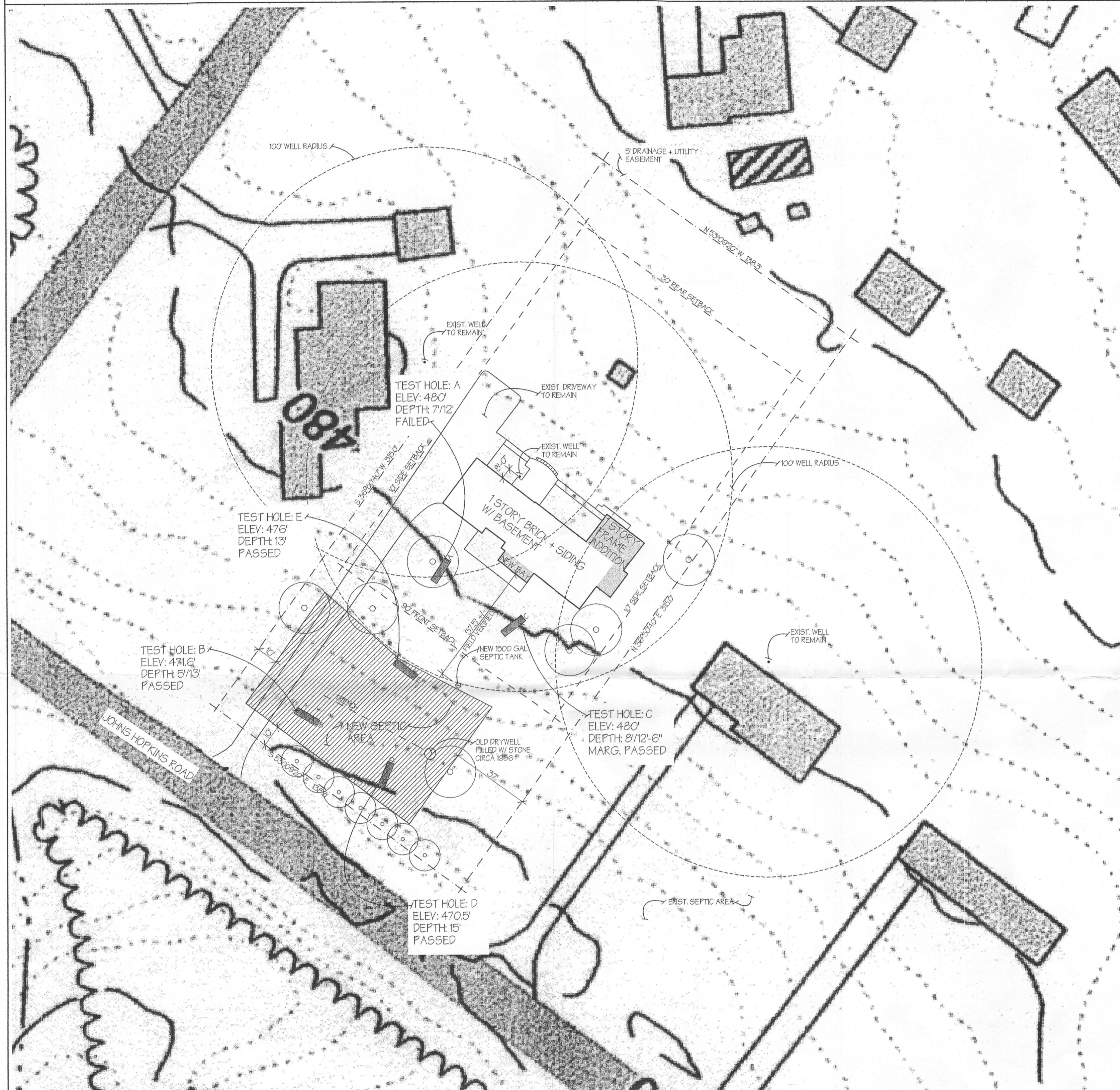
Revisions:

Orientation:



Sheet No:

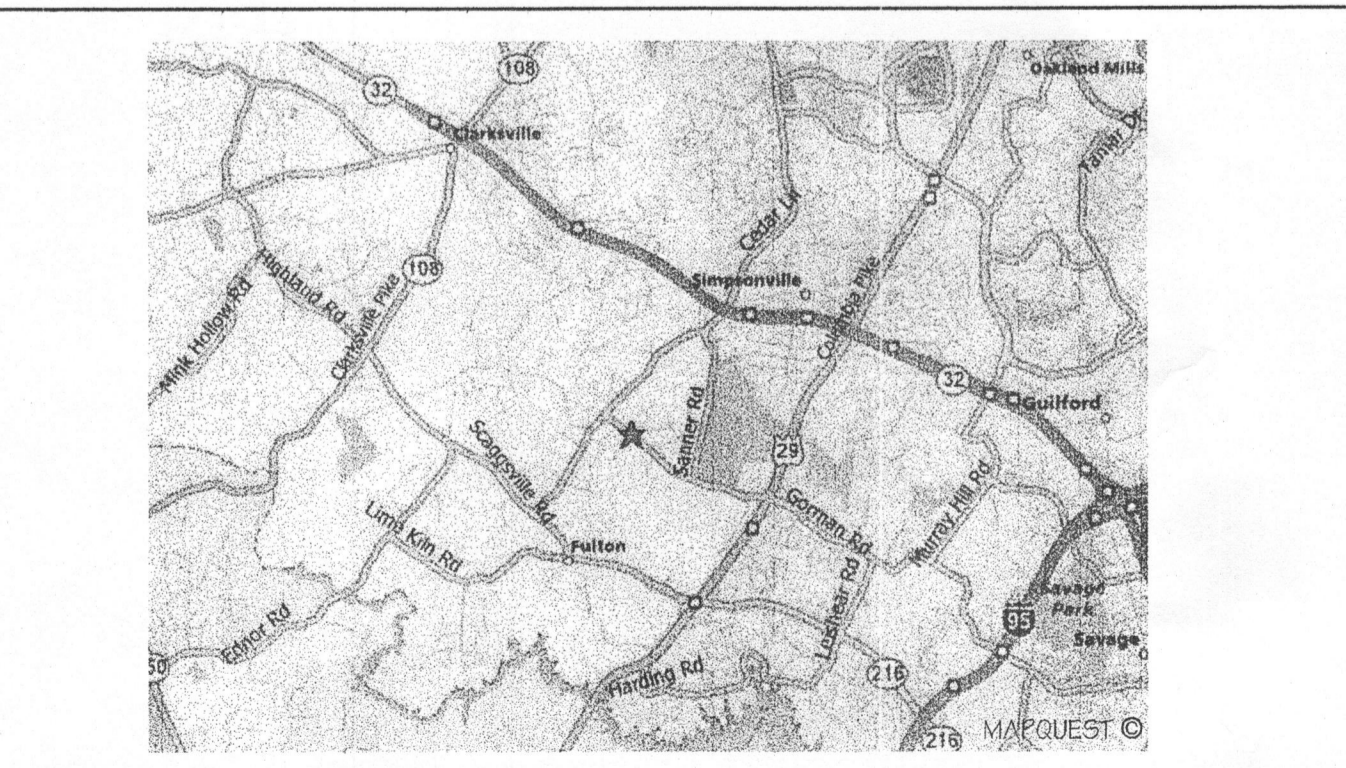
SITE PLAN scale: 1"=30'



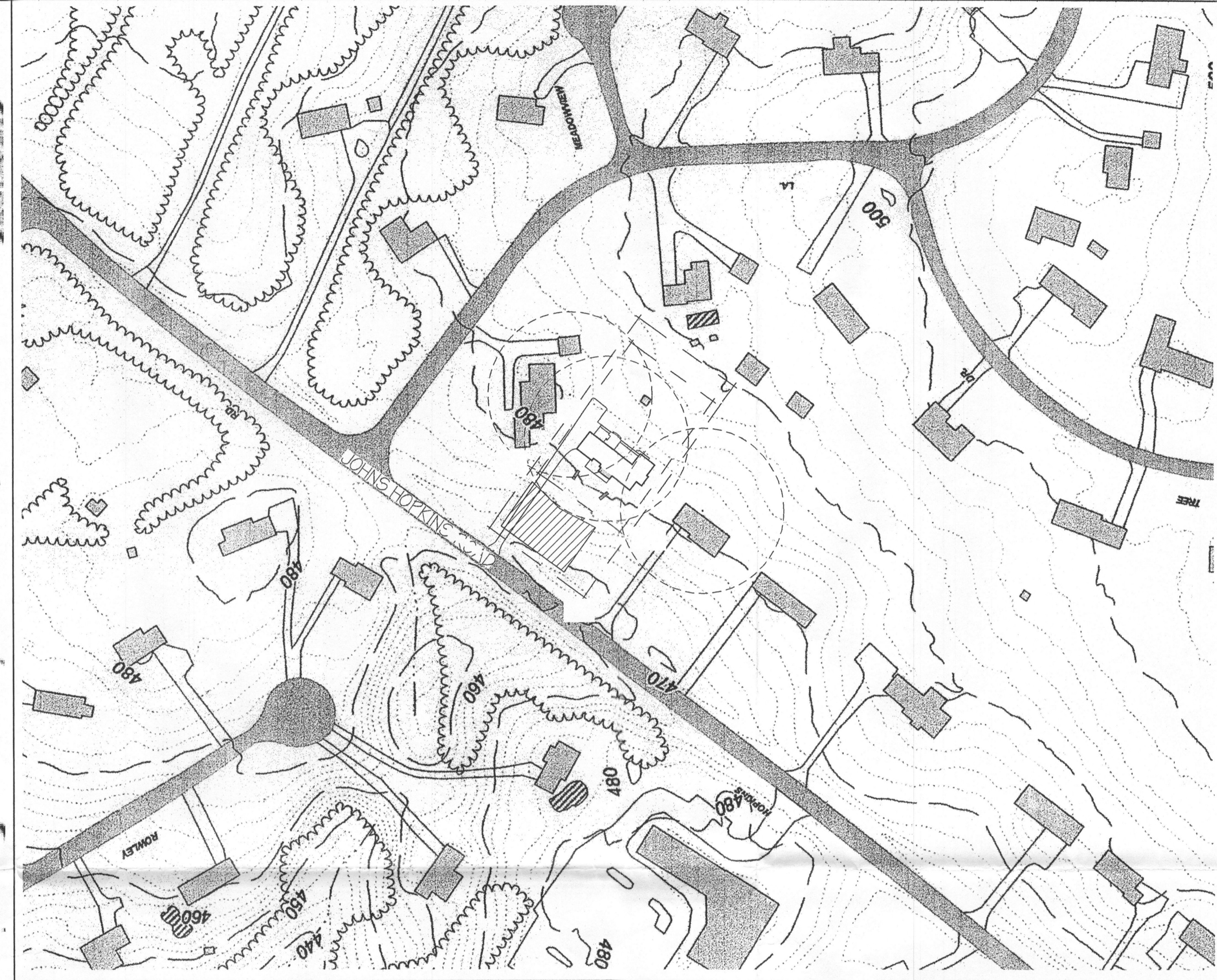
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- NEW 1500 GAL SEPTIC TANK INSTALLED AND APPROVED BY HOWARD CO. HEALTH DEPT.
- NEW SEPTIC TANK IS 63'7" FROM EXIST. HOUSE. NEW SEPTIC TANK WILL BE 57'7" FROM NEW BAY ADDITION. NEW SEPTIC TANK MEETS 20' SETBACK REQUIREMENT FROM BASEMENT WALL
- EXISTING 1 STORY HOUSE + BASEMENT TO REMAIN
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- NEW SEPTIC EASMENT AREA (SEE SITE PLAN + PROJECT DATA)

VICINITY MAP



SITE PLAN scale: 1"=100'



PROJECT DATA

ADDRESS
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CLARKSVILLE, MD 21029-1034

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43,564.00 SF

FLOOR AREA
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HEIGHT
(1) STORY + BASEMENT

USE GROUP
RR-ZONE
LOT 12
EXISTING 2 BEDROOM + (1) MEDIA ROOM
SINGLE FAMILY HOUSE
(NO DEVELOPMENT EXCHANGE OCCURRED)

- LEGEND**
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SCOPE: (1) STORY MASTER BEDROOM + BATH ADDITION
(1) STORY LIVING ROOM BAY ADDITION
INTERIOR RENOVATIONS
NEW EXTERIOR TERRACE + SITE WALL
NEW SEPTIC AREA
NEW 1500 GAL 2-COMPARTMENT SEPTIC TANK

GENERAL NOTES

- BERSON RESIDENCE 11505 JOHNS HOPKINS RD. TAX MAP #1, PARCEL 150, GRID 15, LOT 12. PURPOSE: NEW SEPTIC RESERVE AREA + NEW 1500 GAL SEPTIC TANK
- OWNER NAME: NANCY AND JERRY BERSON. OWNER ADDRESS: 11505 JOHNS HOPKINS RD, CLARKSVILLE, MD 21029. OWNER PHONE: 410.965.6124 (WORK) 410.245.9400 (CELL)
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- I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA OF SEWERAGE DISPOSAL 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 SEWERAGE DISPOSAL AREA.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
PERCOLATION TEST FEE RECEIPT NUMBER 26647
FOR HEALTH OFFICER: *Brian for Peter Beideman MD* 5/30/2007
DATE

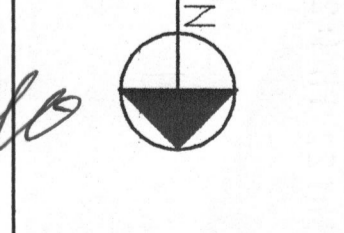
Bredman Company
ARCHITECTS
640 FREDERICK ROAD BALTIMORE, MARYLAND 21228 410.788.2289
MARYLAND 301.654.8144 WASHINGTON

Project:
BERSON RESIDENCE
11505 Johns Hopkins Rd.
Clarksville, MD 21029

| Phase | Date |
|--------------------|----------|
| PERCOLATION PERMIT | 05.17.07 |

Revisions:

Orientation



Sheet No: