

Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
Main: 410-313-6300 | Fax: 410-313-6303
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

January 4, 2013

To: Adriaan Van De Wall and Mariska Can De Wall, owners
3116 Fox Valley Drive, West Friendship, MD 21794

RE: Percolation Test Report, 3116 Fox Valley Drive, A544404

Percolation testing was conducted on the referenced property on January 3, 2013. The purpose for conducting these percolation tests was to re-configure the septic reserve area in anticipation of a proposal to install an in-ground pool. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drainfield and two repair drainfields for the planned residence.

Soil conditions observed at two locations were satisfactory for onsite wastewater treatment and disposal. Percolation rate for the soil at both locations is moderately rapid at depth between 4.5 and 7 feet.

Field data collected is shown on Percolation Test Worksheets enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The values for the drainfield parameters will be documented during the Percolation Certification Plan process, and then maintained in the Health Department file for the subject property.

A Percolation Certification Plan must now be submitted to the Health Department for signature approval. Additional field review of well or septic system conditions may be required at any time during this process. After the Percolation Certification Plan is signed, a proposal for building permit may be reviewed for approval by the Health Department.

If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,

Robert Bricker, REHS/RS
Environmental Health Specialist
Well and Septic Program

Enclosures (1)

Copy: Jon Coakley (Applicant), Maryland Pools
File

SETBACKS:

REAR PL.	0'
SIDE PL.	0'
HOUSE	0'
SEPTIC	0'
WELL	0'

Maryland POOLS
Inc.
9515 GERWIG LANE | 11166 MAIN STREET
SUITE 121 | SUITE 402
COLUMBIA, MD 21046 | FAIRFAX, VA 22030
410-995-6600 | 703-359-7192
800-252-SWIM
WWW.MARYLANDPOOLS.COM

- NOTES**
- ALL EXISTING WELLS ON THE SUBJECT PROPERTY AND WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES ARE REPRESENTED TO THE BEST OF MY KNOWLEDGE AND BELIEF.
 - THE EXISTING WELL ON THE SUBJECT PROPERTY (HO-86-0660) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
 - TOPOGRAPHY ON THIS PLAN IS FROM HOWARD COUNTY AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE ELEVATION CHANGES ON AND NEAR THE SUBJECT PROPERTY.
 - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 - ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT ARE RESTRICTED. THIS EASEMENT 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.
 - THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO ADJUST THE EXISTING SEWAGE DISPOSAL EASEMENT TO ACCOMMODATE CONSTRUCTION OF AN INGROUND POOL.
 - ENTIRE PROPERTY IN SOIL MAP UNIT 698-**LAB**

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON WORK PERFORMED IN MY PRESENCE OR BY MY DIRECTION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

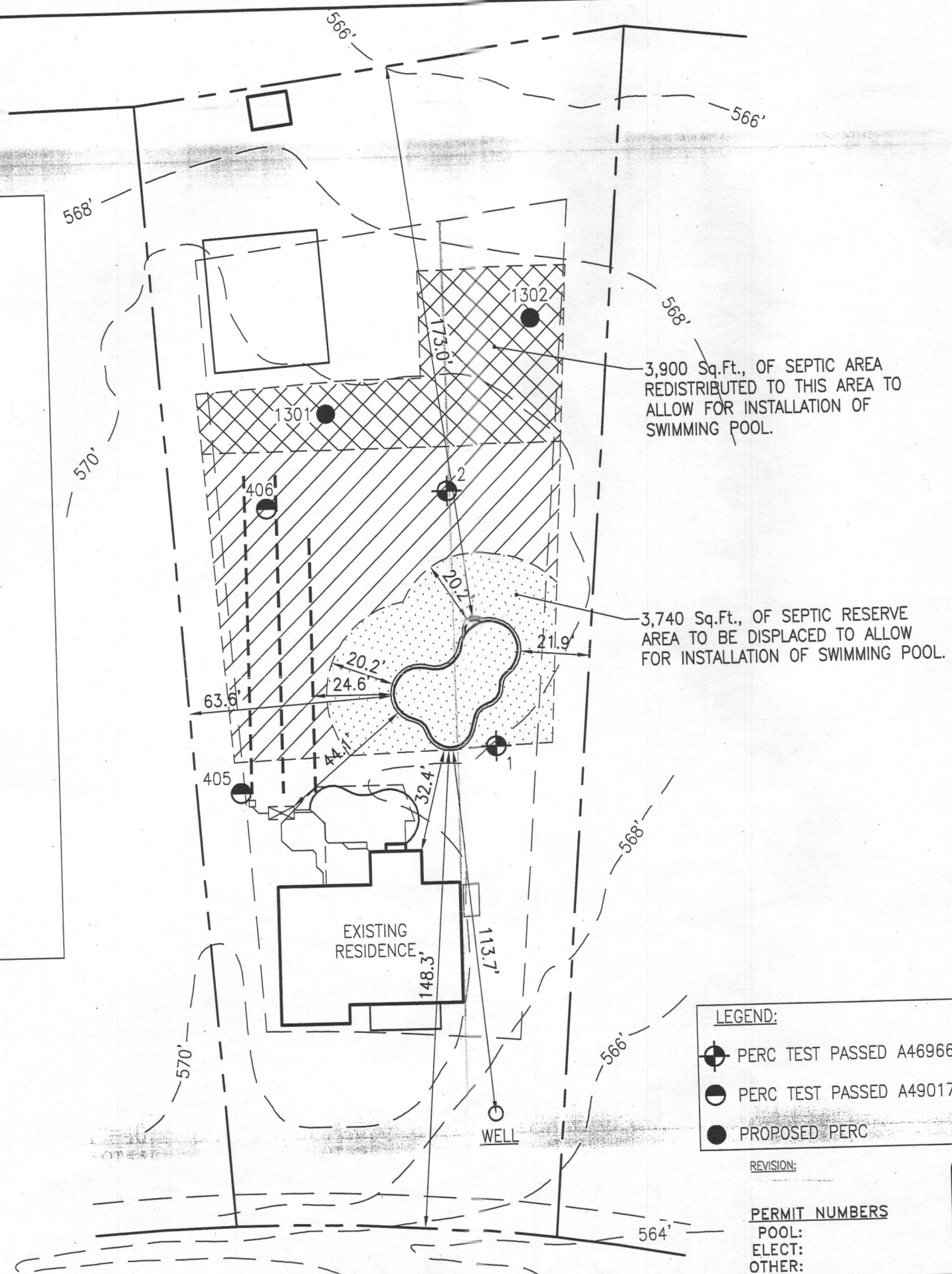
[Signature] 1/6/2013
(SIGNATURE) (DATE)

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

[Signature] (DATE)
(SIGNATURE)

TITLE: (FOR EXAMPLE): PERCOLATION CERTIFICATION PLAN, "3116 FOX VALLEY DRIVE"
OWNER: ADRIAN G. & MARISKA VAN DE WALL
LEGEND

- PERC TEST PASS (4/23/91), A46966
- PERC TEST PASS (1/25/93), A49017
- PROPOSED PERC (1/3/13)



3,900 Sq.Ft., OF SEPTIC AREA REDISTRIBUTED TO THIS AREA TO ALLOW FOR INSTALLATION OF SWIMMING POOL.

3,740 Sq.Ft., OF SEPTIC RESERVE AREA TO BE DISPLACED TO ALLOW FOR INSTALLATION OF SWIMMING POOL.

- LEGEND:**
- PERC TEST PASSED A46966 (4/23/91)
 - PERC TEST PASSED A49017 (1/25/93)
 - PROPOSED PERC

REVISION:
PERMIT NUMBERS
POOL:
ELECT:
OTHER:

PROPOSAL SET NOT FOR CONSTRUCTION
DATE: 01-04-13

POOL STATISTICS

SIZE/SHAPE: 29' x 43' - CUSTOM
POOL AREA: 825 SPA: OTHER: 12
TOTAL AREA: 837
PERIMETER: 126 SPA:
GALLONAGE: 34,031 DEPTH: 3'-0" TO 8'-6"

DIRECTIONS TO SITE

MAP #
00
GRID
X0

Adriaan G. & Mariska Van De Wall
3116 Fox Valley Drive
West Friendship, Maryland 21794
Howard County

HOME PHONE: 410-207-6955
OFFICE PHONE:
CELL PHONE 1:
CELL PHONE 2:

LOT: 5	SUBDIVISION NAME: WEST FRIENDSHIP ESTATES	DISTRICT: 03	PIN #: 318613
SITE PLAN			ZONE: ONE
SCALE: 1"=40'	BY: JLR	DATE: 11/6/12	JOB NUMBER: JC12-10442
			SHEET #: 1.0

SITE PLAN
1"=40'
LOT # 5
WEST FRIENDSHIP ESTATES
TAX ACCOUNT # 318613
MAP 0015, GRID 0016, PARCEL 0042
ELECTION DISTRICT: 03
HOWARD COUNTY, MARYLAND

SETBACKS:

REAR PL. 0'
 SIDE PL. 0'
 HOUSE 0'
 SEPTIC 0'
 WELL 0'

NOTES

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8. ENTIRE PROPERTY IN SOIL MAP UNIT OF LAB

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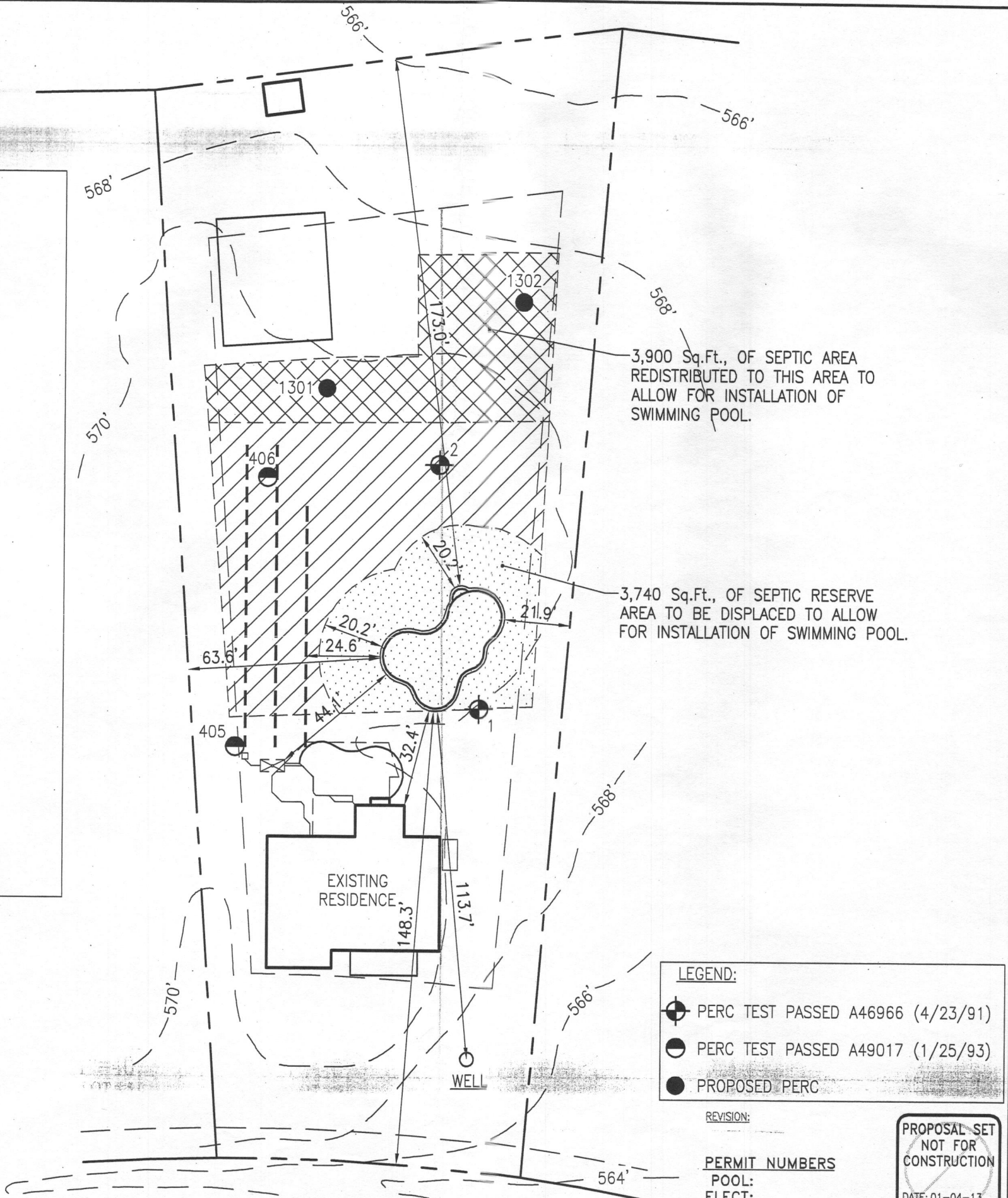
(SIGNATURE) *[Signature]* (DATE) 11/6/2013

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

(SIGNATURE) *[Signature]* (DATE)

TITLE: (FOR EXAMPLE): PERCOLATION CERTIFICATION PLAN, "3116 FOX VALLEY DRIVE"
 OWNER: ADRIAAN G. & MARISKA VAN DE WALL

- LEGEND:**
- PERC TEST PASS (4/23/91), A46966
 - PERC TEST PASS (1/25/93), A49017
 - PROPOSED PERC (11/3/13)



- LEGEND:**
- PERC TEST PASSED A46966 (4/23/91)
 - PERC TEST PASSED A49017 (1/25/93)
 - PROPOSED PERC

REVISION:
 PERMIT NUMBERS
 POOL:
 ELECT:
 OTHER:

PROPOSAL SET
 NOT FOR
 CONSTRUCTION
 DATE: 01-04-13

Maryland POOLS Inc.

9515 GERWIG LANE SUITE 121 COLUMBIA, MD 21046 410-995-6600
 11166 MAIN STREET SUITE 402 FAIRFAX, VA 22030 703-359-7192
 800-252-SWIM
 WWW.MARYLANDPOOLS.COM

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DIRECTIONS TO SITE

MAP #
 00
 GRID
 X0

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 3116 Fox Valley Drive
 West Friendship, Maryland 21794
 Howard County

HOME PHONE: 410-207-6955
 OFFICE PHONE:
 CELL PHONE 1:
 CELL PHONE 2:

LOT: 5	SUBDIVISION NAME: WEST FRIENDSHIP ESTATES	DISTRICT: 03	PIN #: 318613
SITE PLAN			ZONE: ONE
SCALE: 1"=40'	BY: JLR	DATE: 11/6/12	JOB NUMBER: JC12-10442 SHEET #: 1.0

SITE PLAN

1"=40'
 LOT # 5

WEST FRIENDSHIP ESTATES
 TAX ACCOUNT # 318613
 MAP 0015, GRID 0016, PARCEL 0042
 ELECTION DISTRICT: 03
 HOWARD COUNTY, MARYLAND

SETBACKS:

REAR PL.	10'
SIDE PL.	10'
HOUSE	0'
SEPTIC	20'
WELL	20'

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[Signature] 1/25/2013
(SIGNATURE) (DATE)

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

[Signature] 2/6/2013
(SIGNATURE) (DATE)

TITLE: (FOR EXAMPLE): PERCOLATION CERTIFICATION PLAN, "3116 FOX VALLEY DRIVE"
OWNER: ADRIAAN G. & MARISKA VAN DE WALL

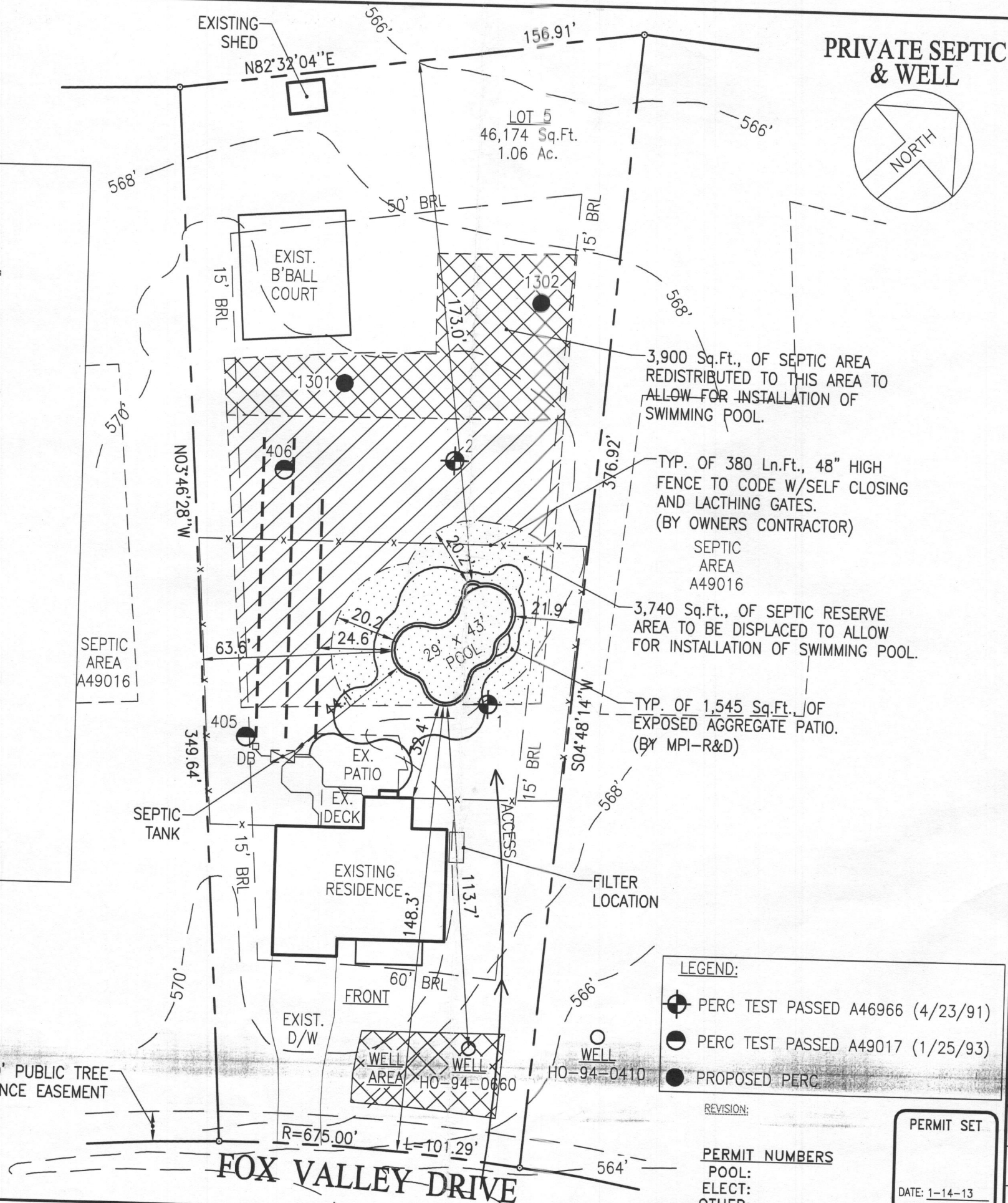
- LEGEND**
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 - PERC TEST PASS (1/25/93), A49017
 - PROPOSED PERC

SITE PLAN

1"=40'
LOT #5

WEST FRIENDSHIP ESTATES
TAX ACCOUNT # 318613
MAP 0015, GRID 0016, PARCEL 0042
ELECTION DISTRICT: 03
HOWARD COUNTY, MARYLAND

10' PUBLIC TREE MAINTENANCE EASEMENT



Maryland POOLS Inc.

9515 GERWIG LANE SUITE 121 COLUMBIA, MD 21046 410-995-6600
11166 MAIN STREET SUITE 402 FAIRFAX, VA 22030 703-359-7192
800-252-SWIM
WWW.MARYLANDPOOLS.COM

EQUIPMENT LIST

- DIRT/GRADING:** HAUL - 1 HOUR (IN CONTRACT)
- SPA:** NONE
- RAISED BEAM:** NONE
- TILE:** TO BE DETERMINED
- COPING:** 12" PA FULL RANGE FLAGSTONE (CUT)
- PLASTER:** PEBBLETECH (CARIBBEAN BLUE)
- FILTER SYS:** C&C 420 SF CART. W/VS-3050
- CLEANING SYS:** PCC-2000
- TREATMENT SYS:** MINERAL SPRINGS
- CONTROL SYS:** NONE
- HEATER:** UT-120 (HEAT PUMP)
- LIGHTS:** (2) LED **WATTS:** 300 **VOLTS:** 120
- LOVESEAT:** (1) @ 6' W/STEP (OUTSIDE) & 1 @ 6' (INSIDE)
- AQUA BENCH:** (1) @ 10'
- RAIL GOODS:** NONE
- DECKING:** 1,100 Sq.Ft., EXPOSED AGGREGATE
- FENCE:** BY OWNERS FENCE CONTRACTOR
- POOL COVER:** NONE **TYPE:** N/A
- CHEMICALS:** \$50 CHEMICAL ALLOWANCE
- OTHER ITEMS:** 8' DIVING BOARD & STAND; BLACK SKIMMERS; MATCH PLUMBING TO CARIBBEAN BLUE PEBBLETECH; (3) UMBRELLA SOCKETS (PER PLAN); EQUIPOTENTIAL BONDING GRID;
- ELECTRIC:** 200 FT. (TRI-STAR)

POOL STATISTICS

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POOL AREA: 825 **SPA:** **OTHER:** 12
TOTAL AREA: 837
PERIMETER: 126 **SPA:**
GALLONAGE: 36,094 **DEPTH:** 3'-6" TO 9'-0"

DIRECTIONS TO SITE

DIRECTIONS: MILES: 000
32 WEST TO L/T ONTO RIVER VALLEY CHASE, FOLLOW TO NEXT L/T ONTO FOX VALLEY DR.-SITE ON RIGHT @ 3116.

MAP #	4813
GRID	D-5

Adriaan G. & Mariska Van De Wall
3116 Fox Valley Drive
West Friendship, Maryland 21794
Howard County

HOME PHONE:
OFFICE PHONE:
CELL PHONE 1: 410-207-6955
CELL PHONE 2:

LOT: 5	SUBDIVISION NAME: WEST FRIENDSHIP ESTATES	DISTRICT: 03	PIN #: 318613
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SITE PLAN
ZONE: ONE

SCALE: 1"=40'	BY: JLR	DATE: 1/14/13	JOB NUMBER: JC12-10442	SHEET #: 1.0
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SETBACKS:

REAR PL.	10'
SIDE PL.	10'
HOUSE	0'
SEPTIC	20'
WELL	20'

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[Signature] 1/25/2013
(SIGNATURE) (DATE)

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

[Signature] 2/6/2013
(SIGNATURE) (DATE)

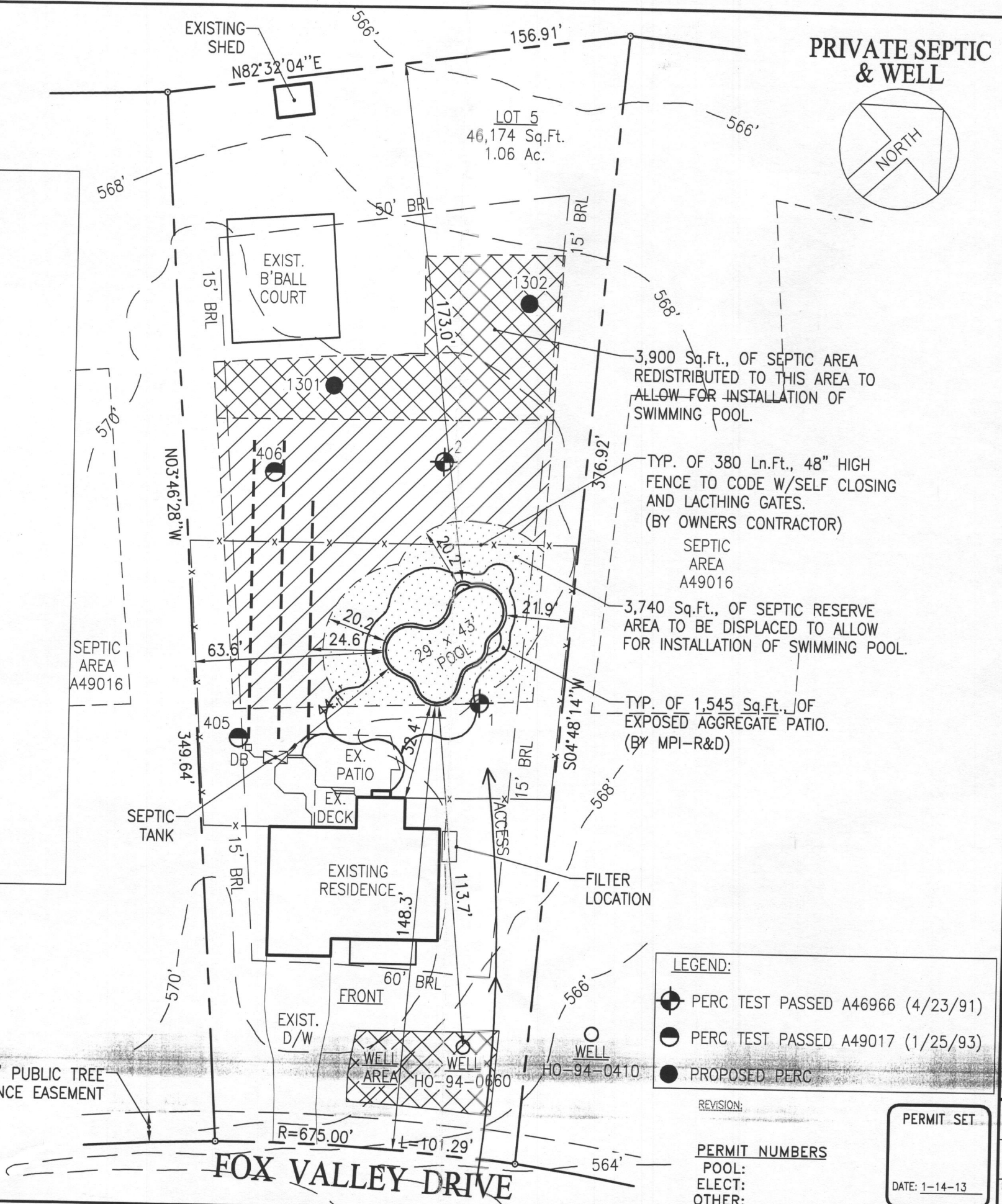
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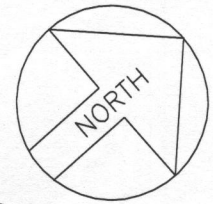
SITE PLAN

1"=40'
LOT # 5
WEST FRIENDSHIP ESTATES
TAX ACCOUNT # 318613
MAP 0015, GRID 0016, PARCEL 0042
ELECTION DISTRICT: 03
HOWARD COUNTY, MARYLAND

10' PUBLIC TREE MAINTENANCE EASEMENT



PRIVATE SEPTIC & WELL



Maryland POOLS Inc.

9515 GERWIG LANE SUITE 121 COLUMBIA, MD 21046 410-995-6600
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EQUIPMENT LIST

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- RAISED BEAM: NONE
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- POOL COVER: NONE TYPE: N/A
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DIRECTIONS TO SITE

DIRECTIONS: MILES: 000 MAP # 4813
32 WEST TO L/T ONTO RIVER VALLEY CHASE, FOLLOW TO NEXT L/T ONTO FOX VALLEY DR.-SITE ON RIGHT @ 3116.
GRID D-5

Adriaan G. & Mariska Van De Wall
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Howard County

HOME PHONE:
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CELL PHONE 2:

LOT: 5	SUBDIVISION NAME: WEST FRIENDSHIP ESTATES	DISTRICT: 03	PIN #: 318613
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SITE PLAN ZONE: ONE

SCALE: 1"=40'	BY: JLR	DATE: 1/14/13	JOB NUMBER: JC12-10442	SHEET #: 1.0
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- LEGEND:**
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 - PERC TEST PASSED A49017 (1/25/93)
 - PROPOSED PERC

REVISION:

PERMIT NUMBERS
POOL:
ELECT:
OTHER:

PERMIT SET
DATE: 1-14-13

SETBACKS:

REAR PL. 10'
 SIDE PL. 10'
 HOUSE 0'
 SEPTIC 20'
 WELL 20'

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(SIGNATURE)

(DATE)

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

(SIGNATURE)

(DATE)

TITLE: (FOR EXAMPLE): PERCOLATION CERTIFICATION PLAN, "3116 FOX VALLEY DRIVE"

OWNER: ADRIAAN G. & MARISKA VAN DE WALL

LEGEND

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- PERC TEST PASSED (1/25/93), A49017
- PROPOSED PERC

SITE PLAN

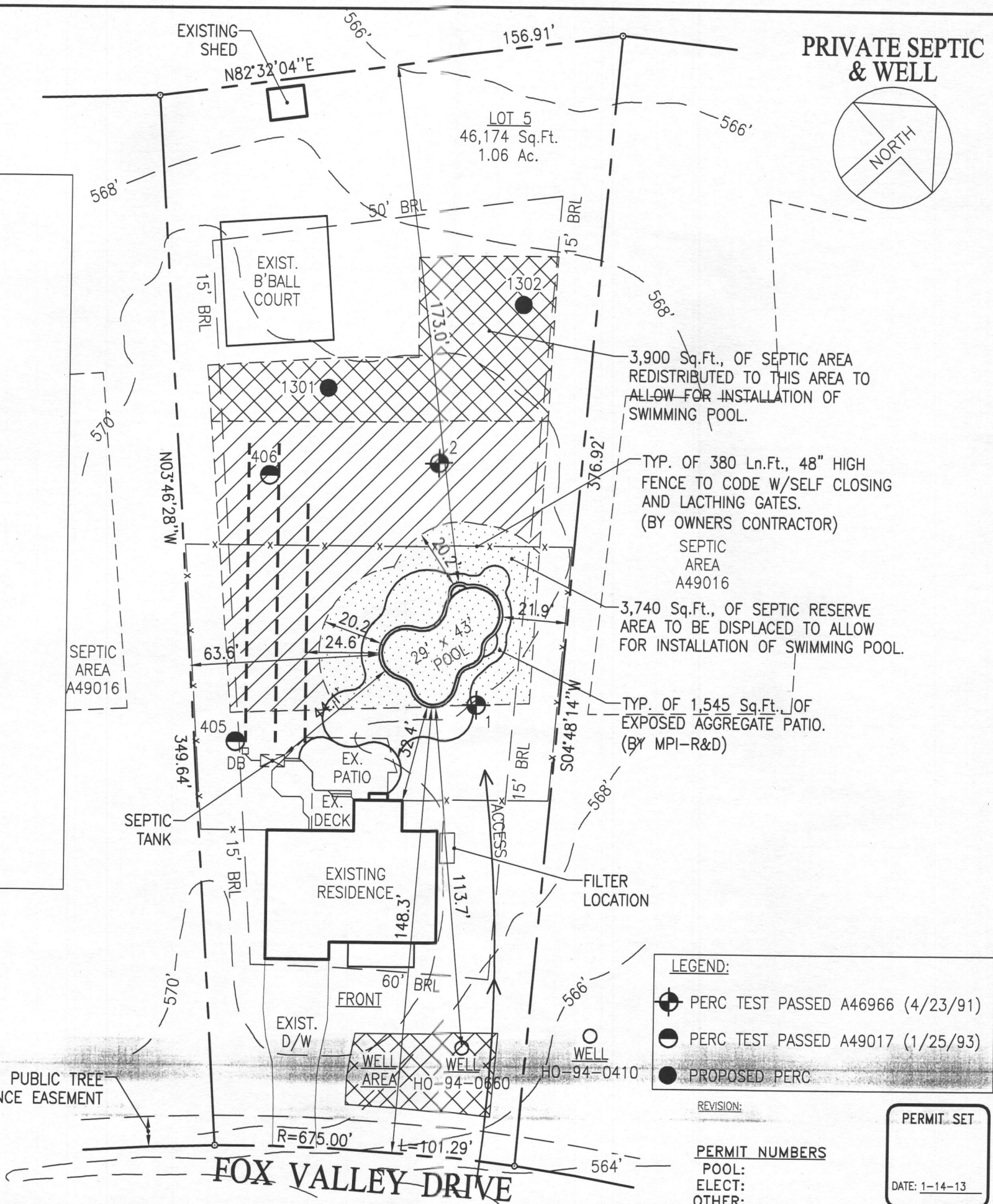
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LOT # 5

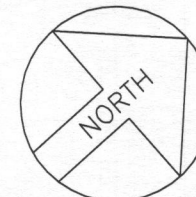
WEST FRIENDSHIP ESTATES

TAX ACCOUNT # 318613
 MAP 0015, GRID 0016, PARCEL 0042
 ELECTION DISTRICT: 03
 HOWARD COUNTY, MARYLAND

10' PUBLIC TREE MAINTENANCE EASEMENT



PRIVATE SEPTIC & WELL



LOT 5
 46,174 Sq.Ft.
 1.06 Ac.

3,900 Sq.Ft. OF SEPTIC AREA REDISTRIBUTED TO THIS AREA TO ALLOW FOR INSTALLATION OF SWIMMING POOL.

TYP. OF 380 Ln.Ft., 48" HIGH FENCE TO CODE W/SELF CLOSING AND LATCHING GATES. (BY OWNERS CONTRACTOR)

SEPTIC AREA A49016

3,740 Sq.Ft. OF SEPTIC RESERVE AREA TO BE DISPLACED TO ALLOW FOR INSTALLATION OF SWIMMING POOL.

TYP. OF 1,545 Sq.Ft. OF EXPOSED AGGREGATE PATIO. (BY MPI-R&D)

LEGEND:

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- PERC TEST PASSED A49017 (1/25/93)
- PROPOSED PERC

REVISION:

PERMIT NUMBERS

POOL:
 ELECT:
 OTHER:

PERMIT SET

DATE: 1-14-13

Maryland POOLS Inc.

9515 GERWIG LANE SUITE 121 COLUMBIA, MD 21046 410-995-6600
 11166 MAIN STREET SUITE 402 FAIRFAX, VA 22030 703-359-7192
 800-252-SWIM
 WWW.MARYLANDPOOLS.COM

EQUIPMENT LIST

- DIRT/GRADING: HAUL - 1 HOUR (IN CONTRACT)
- SPA: NONE
- RAISED BEAM: NONE
- TILE: TO BE DETERMINED
- COPING: 12" PA FULL RANGE FLAGSTONE (CUT)
- PLASTER: PEBBLETECH (CARIBBEAN BLUE)
- FILTER SYS: C&C 420 SF CART. W/VS-3050
- CLEANING SYS: PCC-2000
- TREATMENT SYS: MINERAL SPRINGS
- CONTROL SYS: NONE
- HEATER: UT-120 (HEAT PUMP)
- LIGHTS: (2) LED WATTS: 300 VOLTS: 120
- LOVESEAT: (1) @ 6' W/STEP (OUTSIDE) & 1 @ 6' (INSIDE)
- AQUA BENCH: (1) @ 10'
- RAIL GOODS: NONE
- DECKING: 1,100 Sq.Ft., EXPOSED AGGREGATE
- FENCE: BY OWNERS FENCE CONTRACTOR
- POOL COVER: NONE TYPE: N/A
- CHEMICALS: \$50 CHEMICAL ALLOWANCE
- OTHER ITEMS: 8' DIVING BOARD & STAND; BLACK SKIMMERS; MATCH PLUMBING TO CARIBBEAN BLUE PEBBLETECH; (3) UMBRELLA SOCKETS (PER PLAN); EQUIPOTENTIAL BONDING GRID;
- ELECTRIC: 200 FT. (TRI-STAR)

POOL STATISTICS

SIZE/SHAPE: 29' x 43' - CUSTOM
 POOL AREA: 825 SPA: OTHER: 12
 TOTAL AREA: 837
 PERIMETER: 126 SPA:
 GALLONAGE: 36,094 DEPTH: 3'-6" TO 9'-0"

DIRECTIONS TO SITE

DIRECTIONS: MILES: 000 MAP # 4813
 32 WEST TO L/T ONTO RIVER VALLEY CHASE, FOLLOW TO NEXT L/T ONTO FOX VALLEY DR.-SITE ON RIGHT @ 3116.
 GRID D-5

Adriaan G. & Mariska Van De Wall
 3116 Fox Valley Drive
 West Friendship, Maryland 21794
 Howard County

HOME PHONE:
 OFFICE PHONE:
 CELL PHONE 1: 410-207-6955
 CELL PHONE 2:

LOT: 5 SUBDIVISION NAME: WEST FRIENDSHIP ESTATES DISTRICT: 03 PIN # 318613

SITE PLAN

SCALE: 1"=40' BY: JLR DATE: 1/14/13 JOB NUMBER: JC12-10442 SHEET #: 1.0