



Howard County
Health Department

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

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

RECEIPT DATE: 2-19-14 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 546256

INSTALLATION

APPROVAL DATE: 3/11/14 (KMO)

**PERMIT
UPGRADE**

A _____

PROPERTY ADDRESS: 14859 MICHELE DRIVE

SUBDIVISION: THE WARFIELDS II

LOT: 26 TAX ID: 05-451957

CONTRACTOR: South Carroll Backhoe

EMAIL: SKbackhoe@a

CONTRACTOR ADDRESS: 4410 Salem Bottom Rd Westminster, MD 21157

PHONE: 410-596-3618

PROPERTY OWNER: JOHN MASTERS

EMAIL: _____

OWNER ADDRESS: 14859 MICHELE DRIVE

PHONE: 301-641-0012

SEPTIC TANK SIZE (GALLONS): 2000 (EXISTING)

PUMP CHAMBER CAPACITY (GALLONS): N.A.

PUMP SIZE: N.A.

NUMBER OF BEDROOMS: 4

HOUSE SQ. FT. 5783

APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED

LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>124 40 ref</u>	INLET DEPTH: <u>5</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>9</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>6</u>
LOCATION:	OWNER OR DESIGNEE TO MARK LOCATION OF INGROUND POOL BASIN PRIOR TO LAYOUT INSPECTION. ENVIRONMENTAL SANITARIAN TO APPROVE LOCATION OF 40-FOOT REPLACEMENT TRENCH AND LOCATIONS TO CUT EXISTING TRENCHES. PREFERRED LOCATION FOR 40-FOOT REPLACEMENT TRENCH IS BETWEEN SEPTIC TANK AND EXISTING TRENCHES	
NOTES:	SEPTIC CONTRACTOR MUST EXPOSE THE DISTRIBUTION BOX AND THE TRENCH ENDS NEARER TO HOUSE FOR LAYOUT INSPECTION. APPROXIMATELY 20 FEET OF EACH EXISTING TRENCH TO BE ABANDONED: ABOUT 3 TO 5 FEET OF GRAVEL TO BE COMPLETELY REMOVED AND CUT END OF EACH EXISTING TRENCH, AND SOIL TO BE TAMPED INTO THIS VOID.	

ISSUED BY: ROBERT BRICKER

ISSUE DATE: 2-24-14

EXPIRATION DATE: 2-19-14

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL

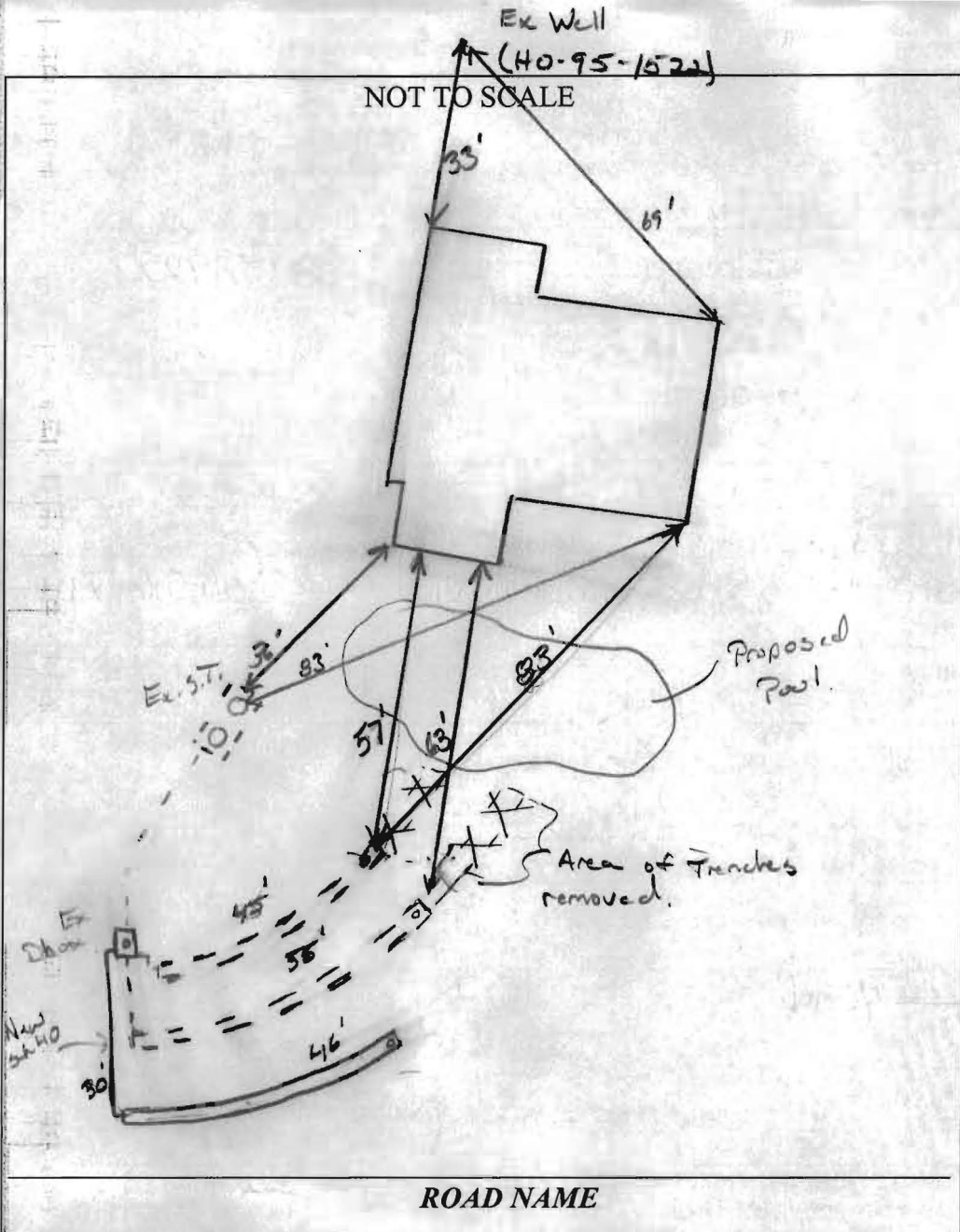
NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2	5	9
NUMBER OF TRENCHES <u>2 + 1 (New)</u>		
TOTAL LENGTH <u>147'</u>		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL <u>Yes</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</u>		
DISTRIBUTION BOX PORT <u>Yes</u>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	_____
MANUFACTURER	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
SLOTTED	_____
DATE ON LID	_____
PUMP/SEPTIC TANK LEVEL	_____
MANUFACTURER	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
SLOTTED	_____
DATE ON LID	_____

PRE-CONSTRUCTION:

3/10/14 Arrived on-site. Contractor digging up existing Dbox and trenches. Proposed pool not staked. Homeowner had pool guy stake pool during site visit. Could not proceed until pool was the area staked. Area was staked. Move 20' back and remove approx 5' section of both trenches. Place clay cap and dump during backfill. New trench to be laid out just below lower existing trench. Top trench to be 45', middle trench 56' and lower trench 45'. Call for map (KW) 3/10/14 (PM) Arrived on-site. Contractor's cleaning road way from dirt and grass. Not quite finished with trench. (KW) 3/11/14 Contractor excavated existing trench and capped up offsite clay as required by setback req. to pool. New trench dug half staked. Waiting on stone to finish. Will need to stop back. 3/11/14 (PM) Trench complete. Dbox leveled w/ new trench. Obs. pipes installed. OK to backfill.

INSTALLATION:

3/10/14 Arrived on-site. Contractor digging up existing Dbox and trenches. Proposed pool not staked. Homeowner had pool guy stake pool during site visit. Could not proceed until pool was the area staked. Area was staked. Move 20' back and remove approx 5' section of both trenches. Place clay cap and dump during backfill. New trench to be laid out just below lower existing trench. Top trench to be 45', middle trench 56' and lower trench 45'. Call for map (KW) 3/10/14 (PM) Arrived on-site. Contractor's cleaning road way from dirt and grass. Not quite finished with trench. (KW) 3/11/14 Contractor excavated existing trench and capped up offsite clay as required by setback req. to pool. New trench dug half staked. Waiting on stone to finish. Will need to stop back. 3/11/14 (PM) Trench complete. Dbox leveled w/ new trench. Obs. pipes installed. OK to backfill.

FINAL INSPECTOR Jd. Wolff DATE OF APPROVAL 3/11/14

LAYOUT 9/12/2012 INSP 4 _____
INSP 2 9/14/2012 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE:

8-2-12

PERMIT

P 538024

APPROVAL DATE:

10/2/2012

A _____

Tax ID # 05-451957

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

South Carroll Backhoe

IS PERMITTED TO INSTALL ALTER

ADDRESS:

PHONE NUMBER: 410-875-497

SUBDIVISION:

The Warfields II

LOT NUMBER:

26

ADDRESS:

14859 Michele Drive

PROPERTY OWNER:

NVR Inc.

SEPTIC TANK CAPACITY (GALLONS):

2000

OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS):

COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS:

4

APPLICATION RATE: 0.8

SQUARE FOOTAGE OF HOUSE:

5,783

Trenches 2' Wide

Inlet 5'

LINEAR FEET OF TRENCH REQUIRED:

180

Bottom 9'

75' + 90' Trenches

TRENCHES:	Trenches to be 3.0 feet wide. Inlet is at 3.0 feet below original grade with 4.0 feet of stone below the distribution pipe. Bottom maximum depth is 7.0 feet below original grade. Effective sidewall begins at <u>5.5</u> feet below original grade. Maintain at least 9.0 feet of spacing between trenches. <u>6'</u>
LOCATION:	Set septic tank per plan. Set distribution box per plan. Install 3 x 60' trenches on contour in upper septic reserve area.
NOTES:	Do not order the septic tank until after layout inspection and Sanitarian approval. Stake easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

PLANS APPROVED:

Robert Bricker

DATE: 7/2/12

NOTE: PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

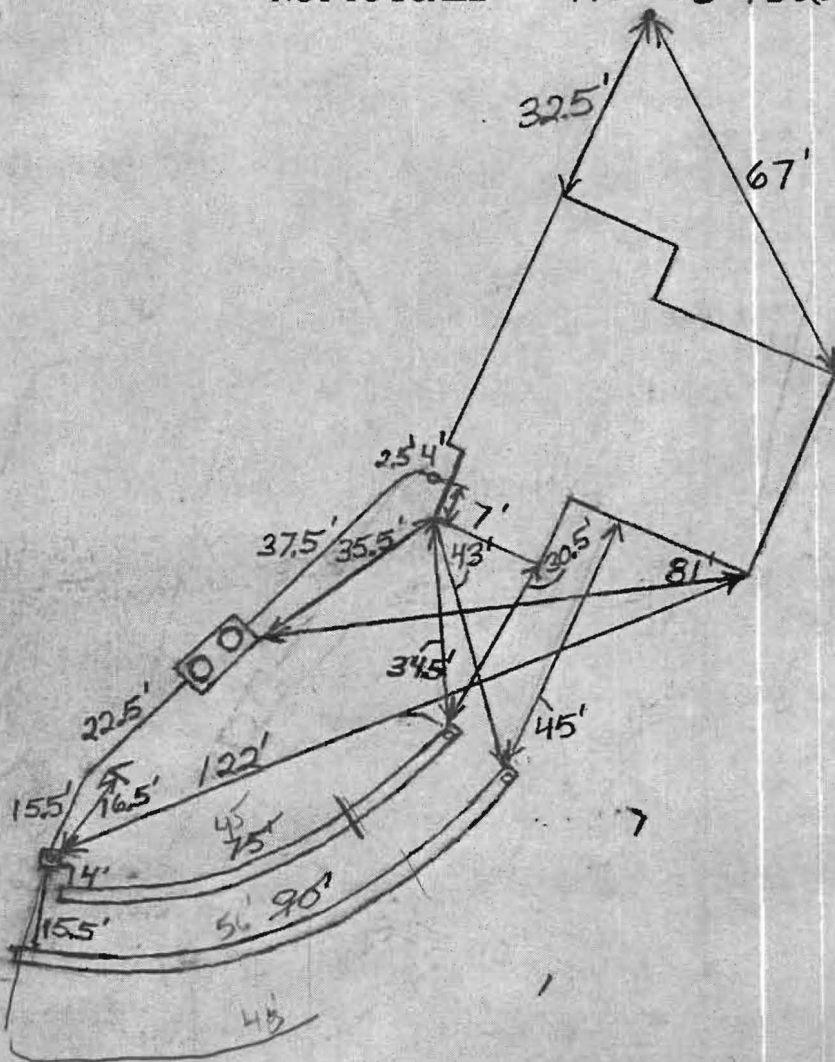
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

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NOT TO SCALE

HO-95-1522



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2	5	9'
NUMBER OF TRENCHES 2		
TOTAL LENGTH 165'		
ABSORPTION AREA 495		
DISTRIBUTION BOX LEVEL Levelers		
DISTRIBUTION BOX BAFFLE Yes		
DISTRIBUTION BOX PORT Yes		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	1'-1.5'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front + Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	Yes
DATE ON LID	Covered

~~PUMP/SEPTIC TANK LEVEL N/A~~

MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION

9/12/2012 Put the tank and dist. box near where shown on the B.P. plan. Install an upper 75' and lower 90' trench on contour across the top of the easement. (BB)

INSTALLATION: 9/14/2012 System finished except for house connection. O.K. to backfill. (BB)

10/2/2012 House connection made. (BB)

FINAL INSPECTOR

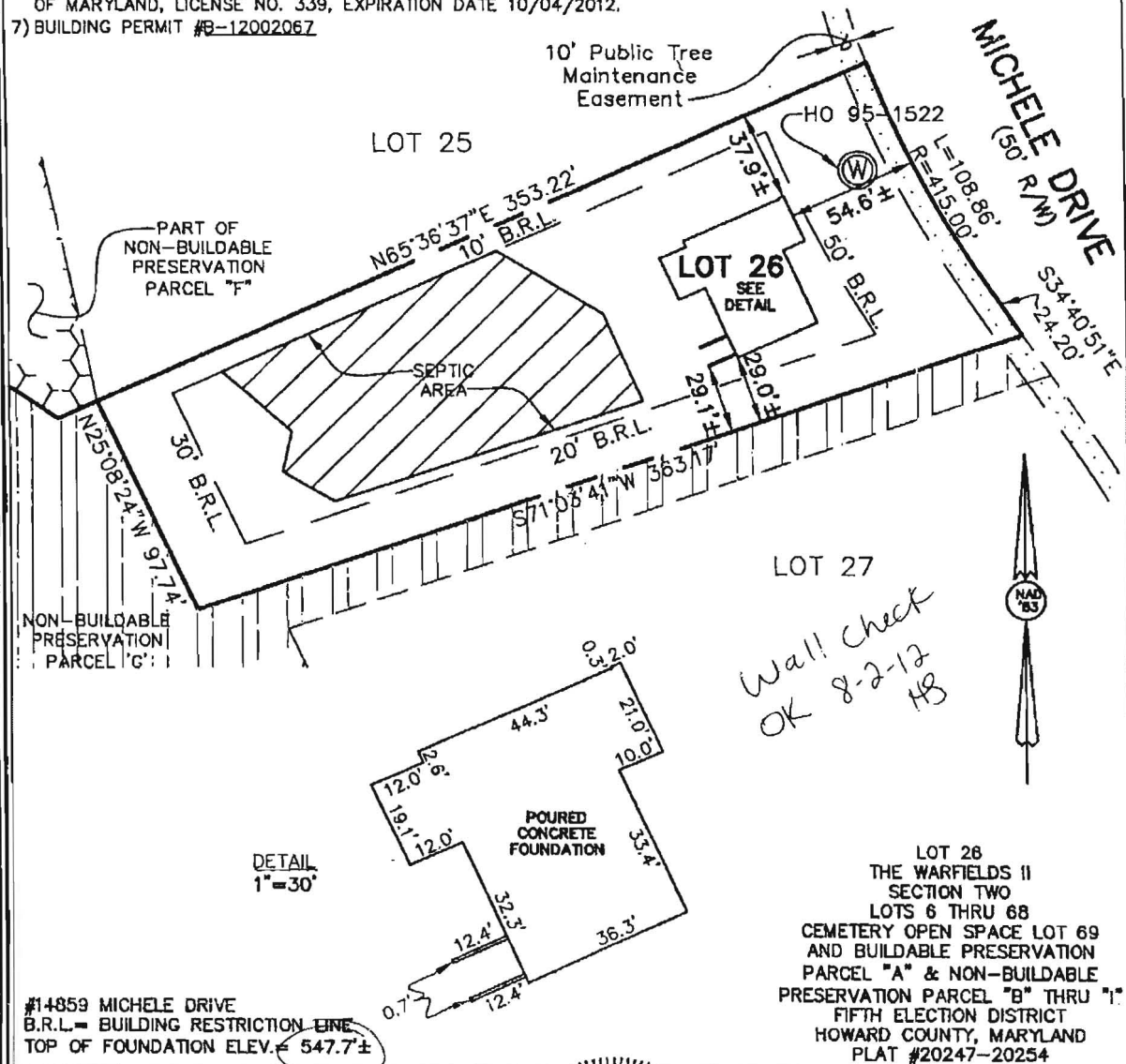
B. Baker

DATE OF APPROVAL

10/2/1012

GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440020-B EFFECTIVE DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 0.5' (±)
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-1522 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 339, EXPIRATION DATE 10/04/2012.
- 7) BUILDING PERMIT #B-12002067



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 481 - 2856



Mark L. Robel
PROFESSIONAL LAND SURVEYOR
REG. # 339
DATE 7/26/12

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 7/25/12
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=60'
DATE: 7/26/12
DRAWN BY: JMP
CHECKED BY: MLR
PROJECT No.: 05100-6001

FCC #