

LAYOUT 12/16/11 INSP 4 12/22/2011
INSP 2 12/19/11 INSP 5 _____
INSP 3 12/20/11 INSP 6 _____

ISSUE DATE: 12-9-11

APPROVAL DATE: 1/4/2012

PERMIT

P 536657

A 532558

Tax ID # 05-357179

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

South Cambell

IS PERMITTED TO

INSTALL ☒ ALTER ☐

ADDRESS: _____

PHONE NUMBER: 410-596-3418

SUBDIVISION: Haviland Hills

LOT NUMBER: 25

ADDRESS: 13837 Wayside Court

PROPERTY OWNER: James Qin

SEPTIC TANK CAPACITY (GALLONS): 2000 OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): 1500 ^(K0) COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 0.8

SQUARE FOOTAGE OF HOUSE: ±3500

LINEAR FEET OF TRENCH REQUIRED: 155' ⁷²
₈₂

TRENCHES:	Trenches to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade with 3.0 feet of stone below distribution pipe.
LOCATION:	Set septic tank per layout inspection. Set distribution box at the highest point of the easement per layout inspection. Install 155 feet of trench on contour per layout inspection. Distribution box should be installed at the highest point of the easement. These specs are only for the initial system.
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: Dana Bernard

DATE: 03/03/11

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

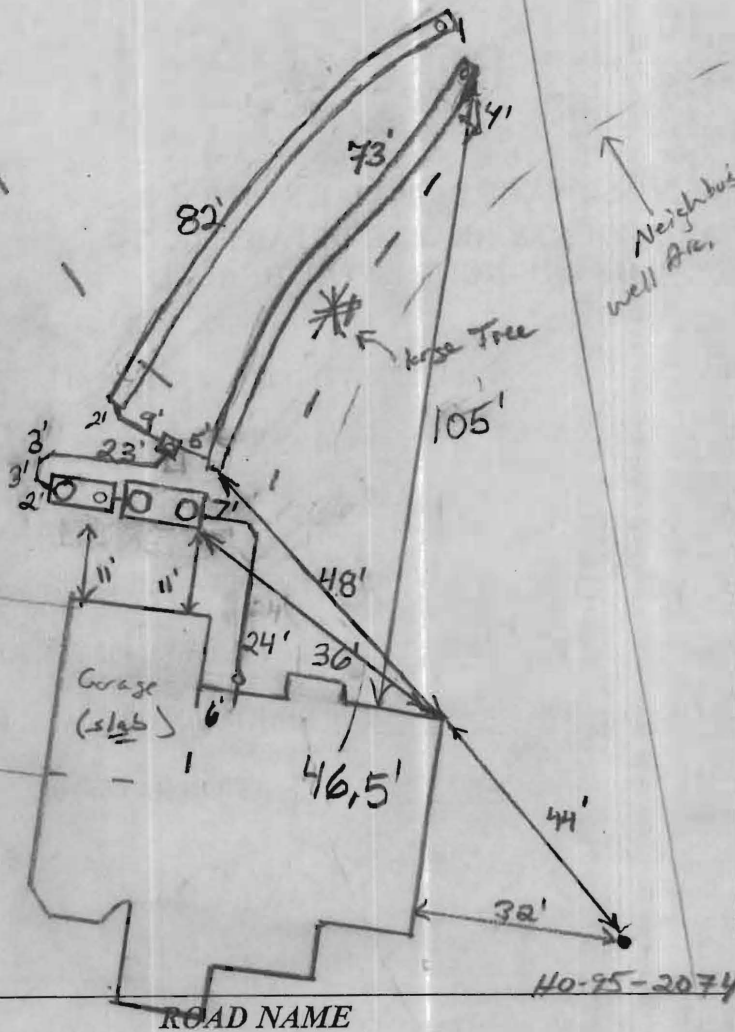
NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

**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

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	6'

NUMBER OF TRENCHES 2
 TOTAL LENGTH 155'
 ABSORPTION AREA 465+Sidewalk
 DISTRIBUTION BOX LEVEL Yes
 DISTRIBUTION BOX BAFFLE Elbow
 DISTRIBUTION BOX PORT Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>Yes</u>
MANUFACTURER	<u>Babylon</u>
CAPACITY	<u>2000</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>3'-4'</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front/Rear</u>
6" PORT LOC	<u>none</u>
WATERTIGHT TEST	<u>No</u>
SLOTTED	<u>Yes</u>
DATE ON LID	<u>11/5/11</u>

PUMP/SEPTIC TANK LEVEL	
PUMP/SEPTIC TANK LEVEL	<u>Yes</u>
MANUFACTURER	<u>Babylon</u>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>3'</u>
BAFFLES	<u>Front</u>
BAFFLE FILTER	<u>-</u>
MANHOLE LOC	<u>Rear</u>
6" PORT LOC	<u>Rear</u>
WATERTIGHT TEST	<u>No</u>
SLOTTED	<u>no</u>
DATE ON LID	<u>11/5/11</u>

PRE-CONSTRUCTION:

12/16/11 SBA slightly compacted. Fill on upper part of easement needs to be removed. System may need to be pumped. Remove fill and expose sewer out to street grades. (KW)

12/19/11 Shot grades. Fill removed from septic area. Pump tank will need to be installed. gravity will not be able to be made. 4 large trees to remain. Install a 72' trench on center @ top of SBA.

INSTALLATION: and an 82' trench just below it. (KW)

12/20/11 Both tanks set. Plumbing to tank. Need house connection. Top trench dug and being stored. OK to continue (KW)

12/22/2011 Need house connection and pump and alarm test. (BB)

1/4/2012 Pump and alarm working. (BB)

FINAL INSPECTOR

B. Baker

DATE OF APPROVAL

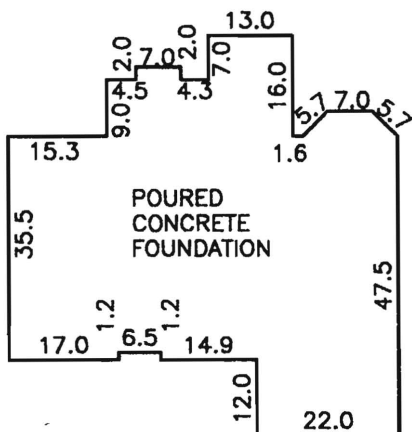
1/4/2012

WAYSIDE COURT
50' R/W

GRID NORTH

BARTHOMEW G. CODY, TRUST
HAVILAND HILLS, LOT 26
13833 WAYSIDE CT.
L11320/F.134
PLAT BOOK 10, PG. 34
ZONED RR

DAVID J. HAYKIN, JR. TRUSTEE
GEORGEAN T. HAYKIN, TRUSTEE
HAVILAND HILLS, LOT 24
13841 WAYSIDE CT.
L3965/F.220
PLAT BOOK 10, PG. 34
ZONED RR



FOUNDATION DETAIL
SCALE: 1" = 30'

TOP OF FOUNDATION WALL = 453.2
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THESE DOCUMENTS, WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21320, EXPIRATION DATE 1-7-2013 AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 06/20/11.

DONALD A. MASON
PROFESSIONAL LAND SURVEYOR
MD REG. No. 21320
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351
FEMA FIRM No. 240044 0032 B
ZONE: C
DATED: 12/04/86



8480 BALTIMORE NATIONAL PIKE A SUITE 418
ELLICOTT CITY, MARYLAND 21043
phone: 410-465-6105 fax: 410-465-6644
www.bei-civilengineering.com

P:\2353\dwg\8588825.dwg, wallcheck, 12/7/2011 2:20:06 PM,
Kyocera CS 3050ci KX

FIELD OBS. BY AS/ML
COMP. BY EDD
DRAWN BY EDD SCALE: 1" = 50' DATE: 06/20/11 REV. 12/7/11

WALL CHECK
QIN RESIDENCE
HAVILAND HILLS
PLAT No. PB 10, P.34
LOT No. 25

13837 WAYSIDE COURT

5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DATE: 06/20/11 REV. 12/7/11

Wall check OK
12-9-11 HS

October 11, 2010

Sara Sappington
Well and Septic Program
Howard County Health Department
7178 Columbia Gateway Drive
Columbia, MD 210046

Re: 13837 Wayside Court
Haviland Hills, Lot 25

Ms. Sappington:

I am writing to request two variances for the on-site septic disposal area on the above referenced lot, with reference to the distances from the lot line, and from a 'steep slope' area.

Percolation testing was performed on May 24, 2010 based on a site layout that aligned the driveway with the eastern property boundary. Subsequent to this, a grading plan was prepared, and the driveway was revised to the western side of the property to minimize the grading impact to the septic area. This lot is encumbered with a significant amount of steep slopes, and the front portion is overlapped on each side with the well setbacks from the adjacent lots. Fitting the septic area and house within the limiting features allows little room for adjustments.

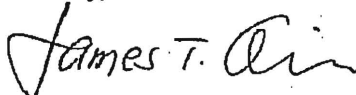
The first variance is from the 10 foot setback between a lot line and a septic reserve area. The area I am requesting a variance for is the eastern side of the lot adjacent to Lot 26. This lot line is adjacent to the septic (seepage) area for Lot 26.

The second variance is from the 25' offset from steep slopes. Manmade steep slopes exist below the proposed septic area. The septic area will be within approximately 12' of the steep slopes, at the closest point. This area is near the low edge of the septic area, which will be the reserve area for the future. The steep slopes to the rear of the lot restrain movement of the house and septic area back away from the front slopes. In the event that a replacement septic drain field must be installed, we do not anticipate any problems with the construction or function of the area.

I do not feel that any of my neighbors will be impacted by this request.

Thank you for your assistance.

Sincerely,



James T. Qin

April 6, 2011

Mike Davis
Well and Septic Program
Howard County Health Department
7178 Columbia Gateway Drive
Columbia, MD 210046

Re: 13837 Wayside Court
Haviland Hills, Lot 25

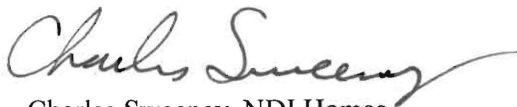
Mr. Davis:

I am writing to request a variance for the on-site septic disposal area on the above referenced lot, with reference to the well location.

A Percolation plan was signed March 2, 2011. After consulting the well driller, it appears that significant disturbance of the Forest Conservation would be necessary to place the well in the approved well box. The slopes in the area are steep, and temporary fill would be required to provide access with a drill rig. Per our conversation, we propose to move the well location upslope, to an area outside of the Forest Conservation Area. This location will be approximately 90' from the septic reserve area; however, there is a drainage divide between the well and septic, so hydraulic separation should be maintained.

Thank you for your assistance.

Sincerely,



Charles Sweeney, NDI Homes
For James Qin

4/14/11 M. Davis
Appl.