

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: 5/2/2014

ONSITE SEWAGE DISPOSAL SYSTEM

P 546345

INSTALLATION APPROVAL

DATE: 6/26/14 *Kmw*

PERMIT

A Repair

REPAIR

PROPERTY ADDRESS: 12739 Folly Quarter Road

SUBDIVISION: _____ LOT: 8B TAX ID: 5374332

CONTRACTOR: Fogle's Septic EMAIL: _____

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD PHONE: 410-795-5670

PROPERTY OWNER: Debbie Oldhouser EMAIL: oldhouser@verizon.net

OWNER ADDRESS: 12739 Folly Quarter Road PHONE: 443-535-9195

SEPTIC TANK SIZE (GALLONS): Existing

PUMP CHAMBER CAPACITY (GALLONS): N/a (future) STATIC HEAD (FEET): N/a

NUMBER OF BEDROOMS: 6 HOUSE SQ. FT. N/a APPLICATION RATE: 0.6

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

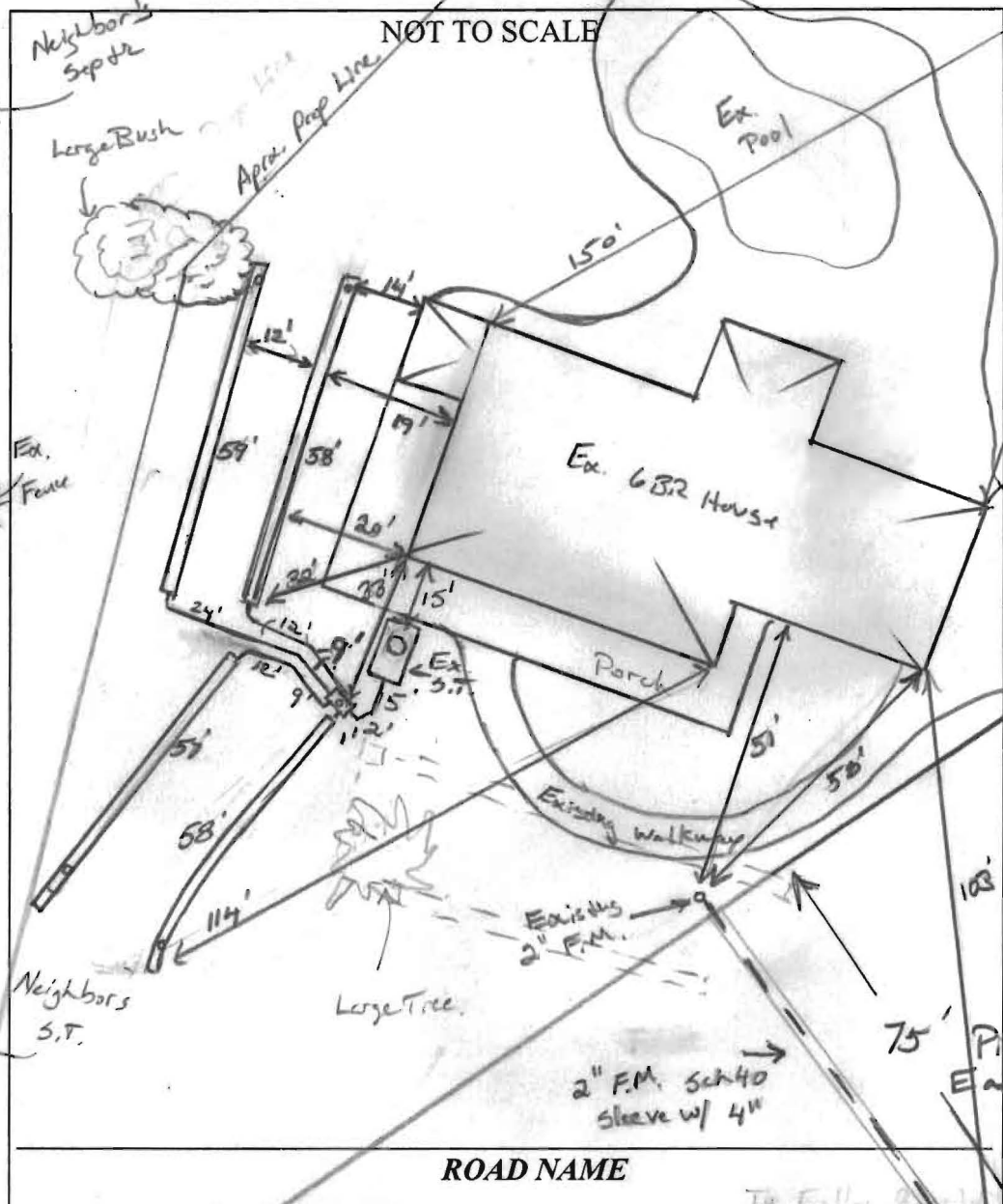
TRENCHES:	LINEAR FEET REQUIRED: <u>230'</u>	INLET DEPTH: <u>4'-5'</u>
	TRENCH WIDTH: <u>2</u>	MAXIMUM BOTTOM DEPTH: <u>11'</u>
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: <u>6'</u>
		APROXIMATE STONE AMOUNT: <u>190 TON</u>
LOCATION:	Trenches to be located parallel with house and coming out from right side of house running towards neighbors house. New distribution box to set.	
NOTES:	Trenches will be installed as painted out in field. Minimum fall must be maintained. Trenches may be installed off contour some. Limited area with design flow= 900gpd. Ex. trenches to be abandoned. Obs. ports must be installed at trench ends. <u>FUTURE REPAIR WILL REQUIRE A PUMP TANK WITH REPLACEMENT SYSTEM ON HIGH SIDE OF PIPELINE EASEMENT. 2" FORCE MAIN MUST BE INSTALLED FROM EXISTING SYSTEM CROSSING THE PIPELINE EASMENT UP TO FUTURE REPAIR AREA.</u>	

ISSUED BY: K. Wolf ISSUE DATE: 6/9/14 EXPIRATION DATE: 6/9/15

- 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.

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	5'	11'
NUMBER OF TRENCHES		4
TOTAL LENGTH		230'
ABSORPTION AREA		460' ± SW
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	Yes
MANUFACTURER	?
CAPACITY	1500 GAL
SEAM LOC	mid
TANK LID DEPTH	3.5'
BAFFLES	Yes
BAFFLE FILTER	—
MANHOLE LOC	Front/center
6" PORT LOC	none
WATERTIGHT TEST	OK
SLOTTED	no
DATE ON LID	—

PUMP/SEPTIC TANK LEVEL	
For Future.	
MANUFACTURER	—
CAPACITY	— GAL
SEAM LOC	—
TANK LID DEPTH	—
BAFFLES	—
BAFFLE FILTER	—
MANHOLE LOC	—
6" PORT LOC	—
WATERTIGHT TEST	—
SLOTTED	—
DATE ON LID	—

PRE-CONSTRUCTION:

5/22/14 Initial layout (kw)

6/20/14 shot elevations for trenches. Install 2x57 trenches running along side of house. Adjusted some to fit inside property (approx. 5" off center). Install 2x57 trenches in opposite direction. Trenches going towards neighbors S.T. roughly 12" elevation diff. Must keep bottom's level. shot elevation @ trench center (kw)

INSTALLATION: 6/23/14 New Dbox sets. Distribution network installed. Laid out F.M. over pipeline. Must be sleeved all the way. OK to continue (kw)

6/24/14 2" F.M. installed and backfilled. Lower trench started. OK to continue. (kw) 6/25/14 contractor finished w/ 3 trenches. could not make it to side. Phone call from contractor. (kw)

6/26/14 Trenches complete. Dbox tested. Future 2" F.M. pumps placed in 4" cap. System detailed w/ owner. looks good. OK to cover all work.

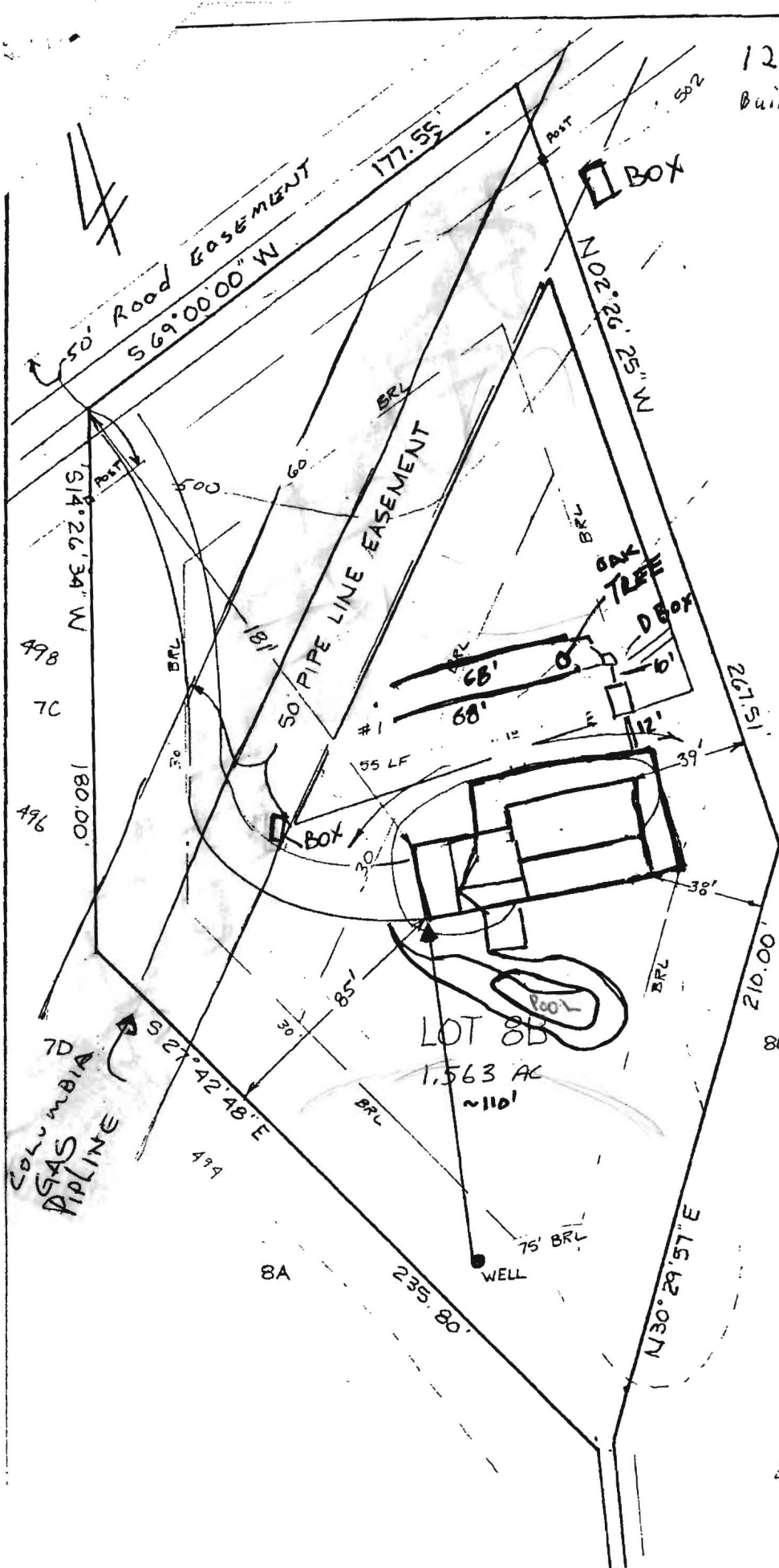
FINAL INSPECTOR

K. Way

DATE OF APPROVAL

6/26/14

12739 Folly Quarter Rd.
 Building permit # 66796



HOUSE:

FIRST FLOOR	499.5
BASEMENT	490.5
INVERT	494.26

SEPTIC TANK:

EXISTING GRADE	497.3
PROPOSED GRADE	498.0
INVERT IN	494.05
INVERT OUT	493.80

DISTRIBUTION BOX:

EXISTING GRADE	497.9
PROPOSED GRADE	497.9
INVERT IN	493.70
INVERT OUT	493.60

TRENCH:

	#1	#2
LENGTH	55.0'	60'
WIDTH	2'	2'
STONE	4 1/2	4 1/2
INVERT	493.5	493.3
BOTTOM	489.0	488.8

PLOT PLAN
 PARCEL 8B
 GLENELG MANOR II
 3rd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE 1"=50' DATE 3/21/85

I certify the above
 measurements and elevations
 are actual and true for this
 property.

J. Carl Hudgins
 J. Carl Hudgins

Wolf, Kevin

To: Debbie Oldhouser
Subject: RE: 12739 Folly Quarter Road

Hi Debbie,

I have a design ready for your property in regards to your onsite septic. I will be in touch with Kurt from Fogle's Septic today to give him an update. The next step will a preconstruction meeting out on the property to lay everything out. The design will be quite large due to the slow infiltration rates from our percolation testing and the 6 bedroom design flow (150gallons per day/gpd/1 bedroom). We use this design flow into our calculations to determine the 'soil loading rate per square foot' and your overall length of trench. See below:

$6BR = 900gpd \div 0.6gpd/ft^2 = 1500sq.ft^2 \div 2ft(\text{trench width}) = 750ft * .31(\text{reduction rate of usable sidewall}) = \underline{232 \text{ Linear feet of trench}}$

I have maximized the amount of usable sidewall within the trenches to limit the amount of trench length. The approximate amount of stone to be used in the trenches is \approx 190 ton clean, #2 rated septic stone.

Please note, though a new onsite septic system is going to be installed on your property, it is always good practice to utilize best knowledge capabilities in water consumption. This includes, but not limited to, the use of "low-flow" water fixtures in the house, high efficiency washer's and dish washers, limiting lengths of shower time, conserving loads of laundry (i.e. do less but larger loads of laundry instead of many small loads), etc...

Please contact me with any information you may inquire.

Thanks,

Kevin M. Wolf, R.E.H.S./R.S., LEHS
Bureau of Environmental Health
Well & Septic Program
Groundwater Mgmt. Sec.
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2645
(f) 410-313-2648



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From: Debbie Oldhouser [mailto:oldhouser@verizon.net]
Sent: Tuesday, June 03, 2014 9:33 AM

To: Wolf, Kevin
Subject: RE: 12739 Folly Quarter Road

Thank you very much for taking the time to update me about the progress. It definitely helps to know what is going on and an approximation of the timeline in order for me to make decisions about our situation.

Thanks,

Debbie

From: Wolf, Kevin [mailto:KWolf@howardcountymd.gov]
Sent: Tuesday, June 03, 2014 9:06 AM
To: oldhouser@verizon.net
Subject: 12739 Folly Quarter Road

Debbie,

I received your vm. Yes, sorry for the delay. I would keep your system pumped. We are doing a little research on our end. Mostly concerning the pipe line and new onsite septic. I believe we can work with something on the lower part of your front yard but we need to confirm with Columbia Gas with parameters on install. I am asking Fogle's to check with them again on this along with any crossing of trenches. I may require a future 2" diameter sch 40 forced main to be installed along with the new system. We are definitely back logged with work but I should have something by the end of this week. I am in the field all day today and meetings all day tomorrow so I will be pretty much indisposed until Thursday. I will contact Kurt w/ Fogle's and give him an update. Hopefully we can meet out onsite at your property by Friday depending on scheduling. I want to lay everything out with them so we have understanding on both ends.

Thanks,

Kevin M. Wolf, R.E.H.S./R.S., LEHS
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