



Howard County
Health Department

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 7/24/15

ONSITE SEWAGE DISPOSAL SYSTEM

P 556550

APPROVAL DATE: 10/26/15

PERMIT:

Repair

A Repair

PROPERTY ADDRESS: 14010 Burntwoods Road

SUBDIVISION: _____

LOT: _____

TAX ID: _____

CONTRACTOR: Hatfield's Equipment

EMAIL: ken@hatfieldsequipment.com

CONTRACTOR ADDRESS: P.O. Box 519 Annapolis Junction, MD 20701

PHONE: 301-490-4289

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:



MDE



MANUFACTURER:

PROPERTY OWNER: Robert Hite

EMAIL: _____

OWNER ADDRESS: 14010 Burntwoods Road, Glenelg, MD 21737

PHONE: 410-997-9167

BAT UNIT MODEL: Norweco 500

PUMP SIZE: 1/2 - 3/4

PUMP TANK CAPACITY: 1500

OPERATION & MAINTENANCE AGREEMENT

DATE SIGNED: _____

DATE RECORDED: _____

DISTRIBUTION SYSTEM:



GRAVITY



PRESSURE DOSED

BEDROOMS: 4

APPLICATION RATE: 0.8

BED:	BED LENGTH REQUIRED: <u>24-36'</u>	INLET DEPTH: <u>2.5'</u>
	TRENCH WIDTH: <u>24'</u>	MAXIMUM BOTTOM DEPTH: <u>4.5'</u>
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: <u>2.5'</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	See Septic design plan. Location 2' from front left property corner. Need property lines staked before installation.	

ISSUED BY: Jeff Williams

ISSUE DATE: _____

EXPIRATION DATE: _____

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



ELECTRICAL PERMIT ISSUED

E

E15004565

NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.

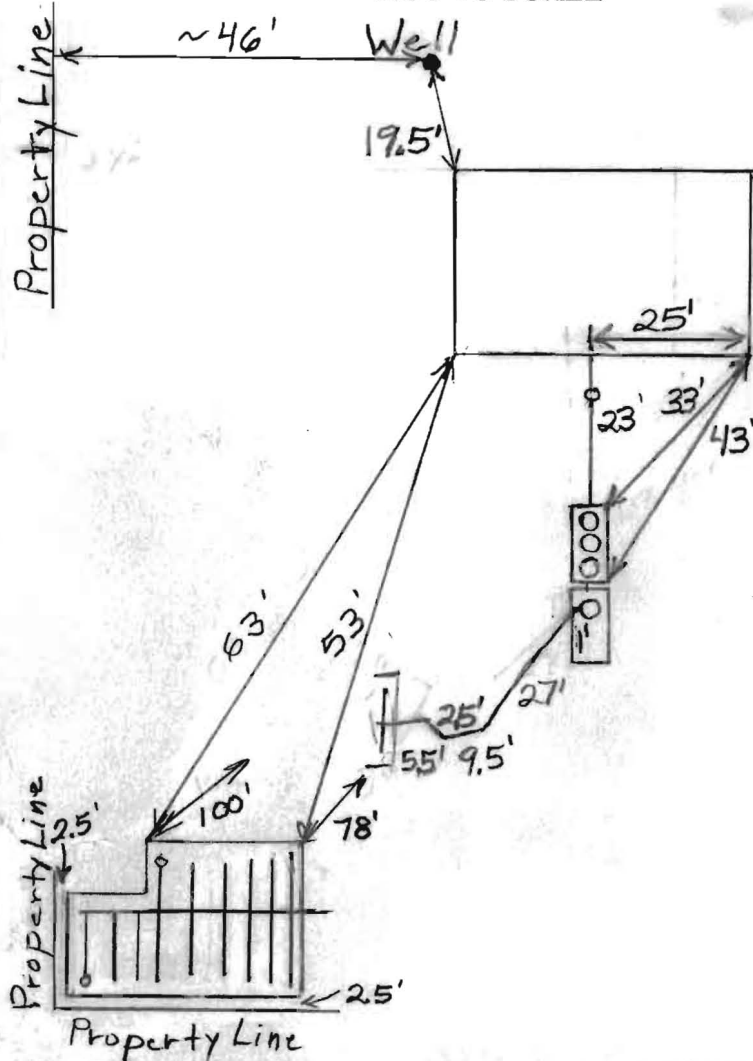
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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 Varies INLET 2.5'-3' BOTTOM 4.5'-5'
~~Bed~~ Bed
 TOTAL LENGTH Varies
 ABSORPTION AREA ~652+ Sides
 DISTRIBUTION BOX LEVEL N/A
 DISTRIBUTION BOX BAFFLE N/A
 DISTRIBUTION BOX PORT N/A

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes
 MANUFACTURER Norweco Back River
 CAPACITY 1300 GAL
 SEAM LOC Top
 TANK LID DEPTH 4'-5'
 BAFFLES No
 BAFFLE FILTER N/A
 MANHOLE LOC Front, Middle, Rear
 6" PORT LOC None
 WATERTIGHT TEST No
 SLOTTED N/A
 DATE ON LID 7/20/2015

PUMP/SEPTIC TANK LEVEL Yes
 MANUFACTURER Back River
 CAPACITY 1500 GAL
 SEAM LOC Top
 TANK LID DEPTH 3.5'-4'
 BAFFLES No
 BAFFLE FILTER No
 MANHOLE LOC Front
 6" PORT LOC None
 WATERTIGHT TEST No
 SLOTTED No
 DATE ON LID Dry

PRE-CONSTRUCTION:

5/20, 5/23, 5/27, 6/4/2014 - 10/14/2015 Front property lines staked. Bed area painted out. Tank locations should be further from the well than the existing tank. (BB)

INSTALLATION:

10/22/2015 Tanks set and connected to house. (BB)
 10/23/2015 (AM) Bed dug. Waiting on gravel. (BB) 10/23/2015 (PM) Leveling gravel in bed. (BB)
 10/26/2015 (AM) Starting to install laterals to force main. (BB) 10/26/2015 (PM) Pump and alarm working. Around 4' of head in turn-ups. Received BAT certification form from Back River Pre-Cast. Bed was under dug and is around 1' smaller on all sides. (BB)

FINAL INSPECTOR

B. Baker

DATE OF APPROVAL 10/26/2015



HOWARD COUNTY HEALTH DEPARTMENT

46343

CODES

DATE

5/1/14



CASH



CHECK

NO.

45072

Received
From

Fogle's Septic

For

Perc Repair - 14010 Burnt Woods Rd

Three hundred thirty

00

100

Dollars

\$

330 | 00

Received By

Miriam Curry



HOWARD COUNTY HEALTH DEPARTMENT

56550

DATE
7/24/15

P5

Received
From

Robert Hite

PHONE #

410 991-9107

For

Septic Permit / 14010
Beutward Rd.

☐ CASH

☒ CHECK

NO.

110

One hundred thirty-one xx Dollars

\$

231.00

Received By

J. Kemp

Back River Pre-Cast, LLC

PO BOX 329
Glyndon, MD 21071
Phone # 410-833-3394
Fax # 410-833-4116

Letter of Certification

This is to certify that the Norweco Singlair TNT 600 GPD Septic Tank installed at 14010 Burntwoods Rd., Glenelg, MD 21737 on October 22, 2015 was installed according to the manufacture's specifications.

Installer: Jeff Reiter

Property Owner: Robert & Kerry Hite

Permit #



MATTHEW GECKLE
Vice-President

A

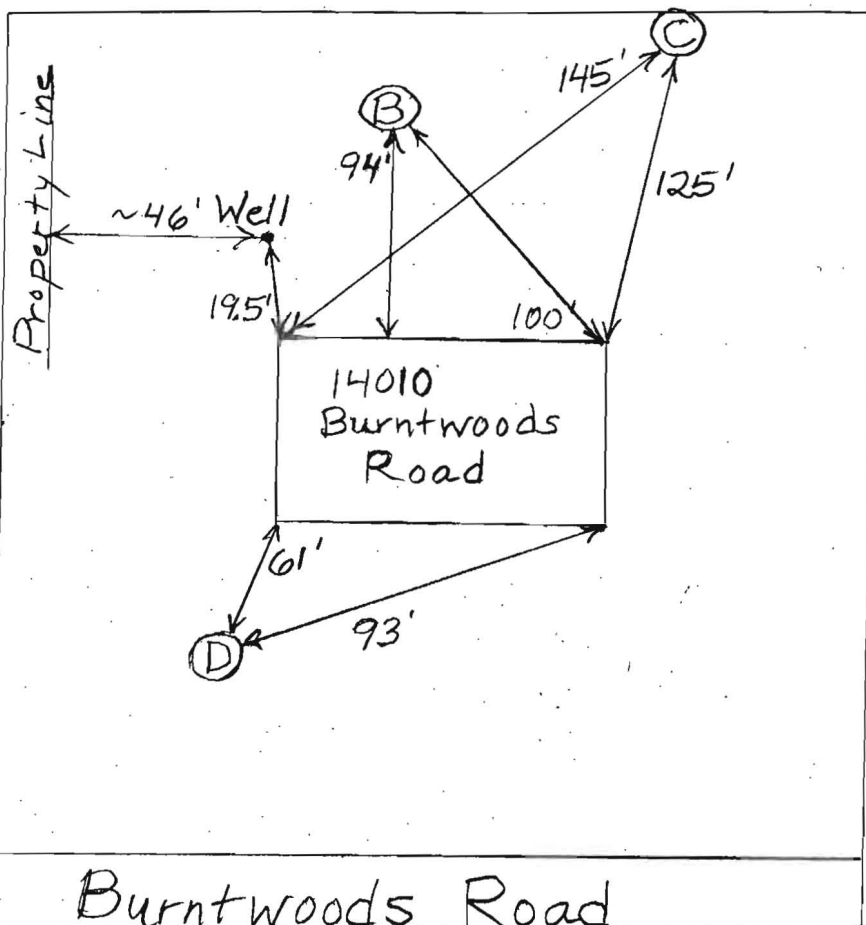
Dense
Sa + Si
Cl Loams
Mottling
2.5' - 7'

5' Br Sa L
~10% Rock
Water
Seepage
at 3', 5.5'
+ 8'
Caving
12' at 4.5'
2.5' Water

(B)

3.5-6'	Red Br Cl Loam
10.5'	Red and Or Br Wet Sa Loam 10-15% Rock Caving at 6', Seepage at 6.5', + Deepet
15.5'	Water

2'-2.5'	Fairly Dense or Br Sa Cl Loam
3'	or Br Sa Cl Loam - Sa Loam
8.0' 12.5'	or Br Sa Loam (Wet) Caving at 7' Seepage at 7.5' + Deeper 15-20% Rock Water



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/20/2014	A	12.5' V					F
	B	5'/15.5' V	12:00	12:13:30	12:30:30	17	F
		Hole Dug In Sandy Area					
	C	2'/25' V	12:46	2:04	2:50 ~ 1/4"		F
		4'	1:55	1:59	2:04	5	
	D	4'/13' V	3:15	3:24	3:37	13	H

REMARKS

SANITARIAN B. Baker BACKHOE Fogles OTHERS _____

TEST HOLES USED IN SDA D AVG. PERC TIME SQ. FT/BR

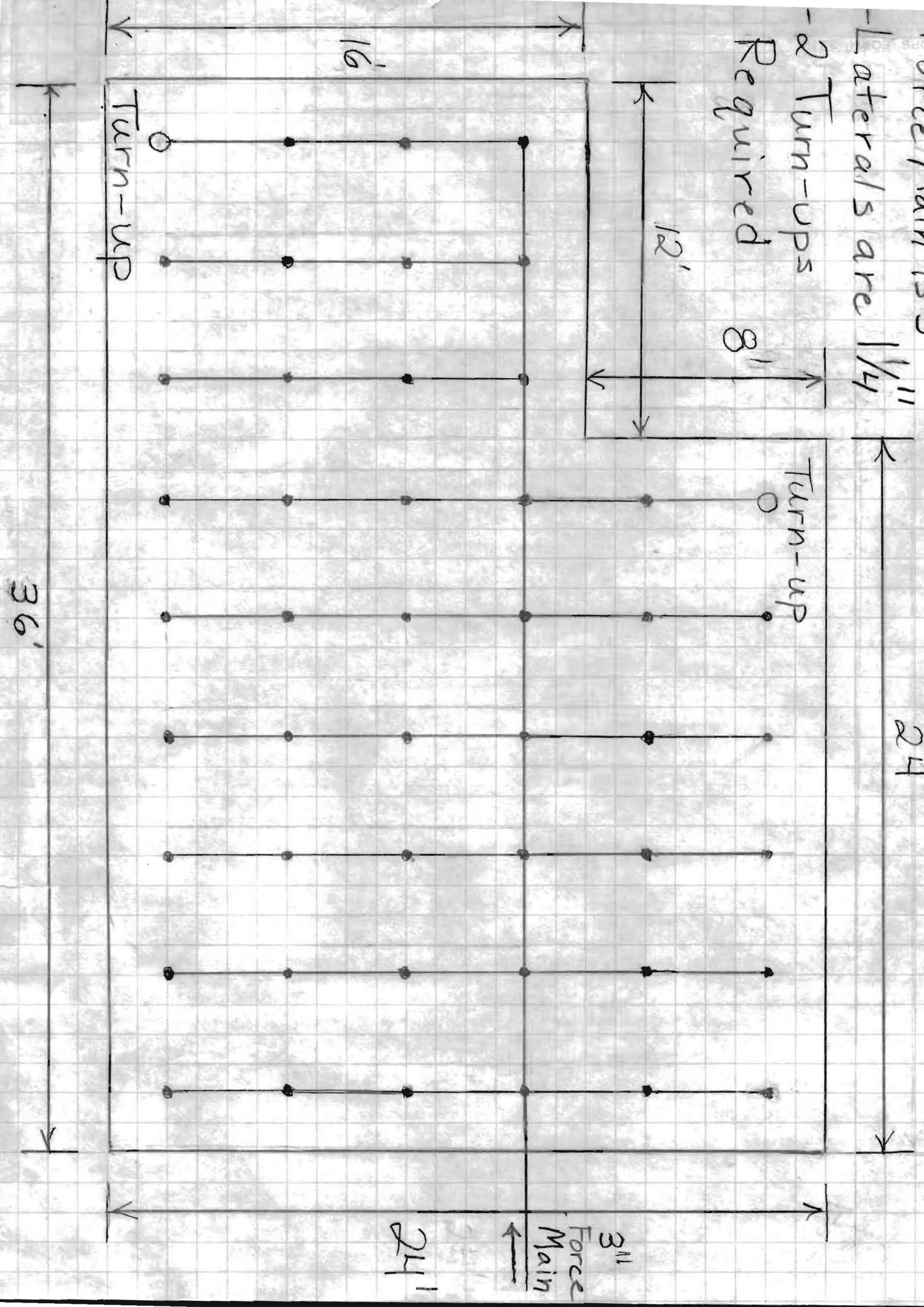
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

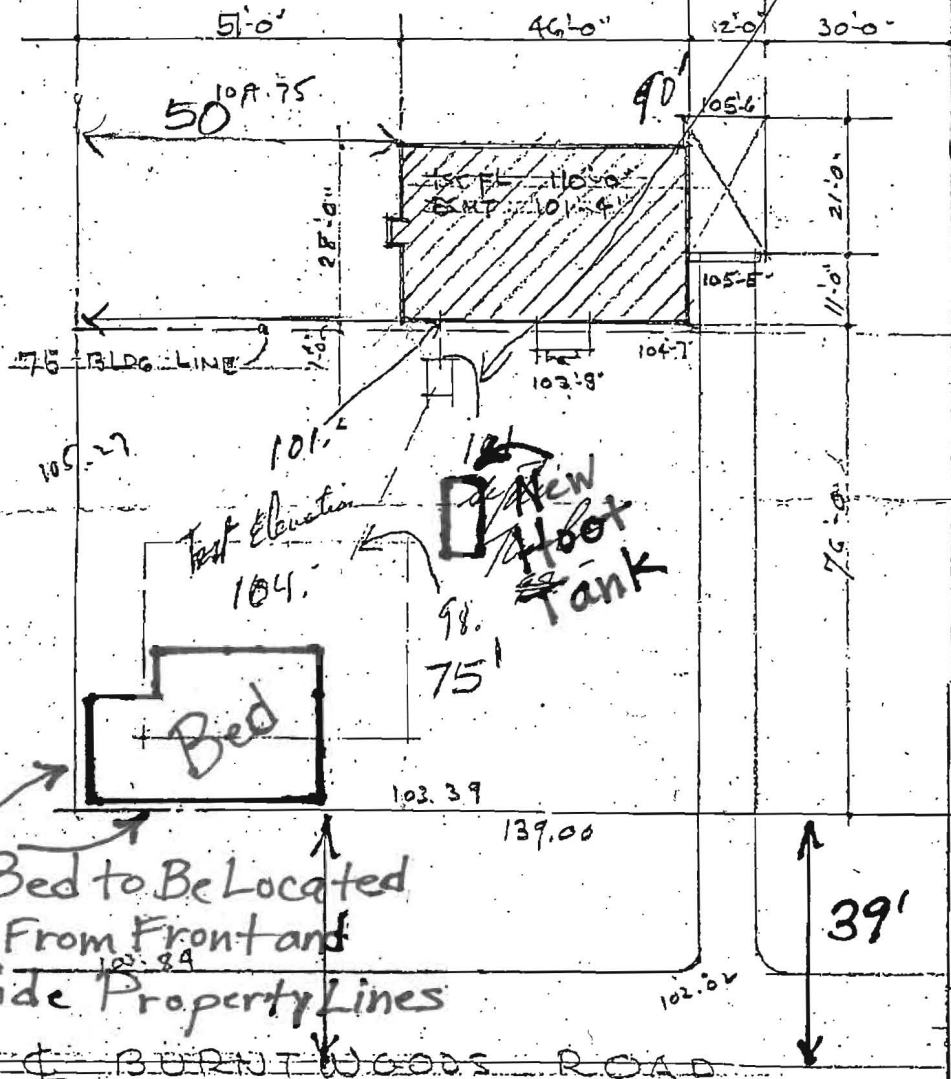
④

Dense Or Br Si Cl Loam-	
Cl Loam	2.5'
Dense Sa Loam	4'-5.5'
Wet Sa Loam, ~15% Rock	8.5'
Caving	9.5'
Water Seepage	
Water	13'

Bed Diagram - $\square = 1$ Foot

- Force Main is 3"
- Laterals are $1\frac{1}{4}$ "
- 2 Turn-ups Required



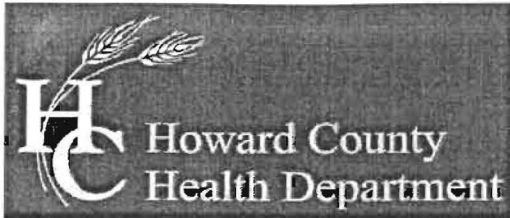


PLOT PLAN
30'-0"

PATTERSON & WORLAND
 ARCHITECTS & LAND PLANNERS
 4916 ST. ELMO AVE., BETHESDA 14, MD.
 PHONE: 654 - 1396

THE DEVEREUX CO
BURNT WOOD, HOWARD CO., MD

DRAWN BY HWP	DATES 17 SEPT 62	LOT NO. 24	BLOCK D	DRWG. NO.
CHECKED BY		SECTION 2	JOB NO.	



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Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

INFORMATION FORM – SEPTIC SYSTEM REPAIR/UPGRADE

Reason for Request:

- ☒ Failing System
- ☐ System relocation for proposed addition
- ☐ System upgrade for proposed addition
- ☐ Inadequate treatment zone
- ☐ Collapsed septic tank
- ☐ Collapsed drywell

Existing system design

- ☐ Drywell
- ☐ Trench
- ☐ Mound
- ☒ Unknown
- ☐ Other: _____

Is discharge surfacing on the ground?

- ☐ Yes
- ☒ No Backing up

Has the septic tank been pumped within the last month?

- ☒ Yes Date pumped: 20 May 14
- ☐ No

Was a visual inspection of the septic tank and/or drain fields conducted?

- ☒ Yes Explain observations: H₂O flowing back into tank. Tank was overfull.
- ☐ No

Was a visual inspection of the sewage line conducted?

- ☒ Yes
- Blockage leading to the tank
- ☐ Yes Explain: _____
- ☒ No
- Blockage leading to the field
- ☐ Yes Explain: _____
- ☒ No

Additional Comments: FAILING Drainfield

*For REPAIRS, are the owners proposing, or do they plan to add in the future, any additions or modifications to the property, i.e. pools, living space additions, garages, etc? This information must be disclosed at the time of this application. The Health Department will not be able to accommodate requests in the field for property modifications unrelated to the repair request. Such requests may require an additional fee, testing, and submittal of a Percolation Certification Plan, if the property does not meet current Code and Regulation.

Septic Contractor: FOGLES Contractor's Phone: 410-795-5670

Contractor's Address: 580 OBRECHT RD. SYKESVILLE MD, 21784

Property Address: 14010 BURNWOODS, GLENELG MD County file: _____

Subdivision: Burnwood Lot: 24 Year Built: 1969

Owner's Name: BOB HITE Owner's Phone: 410-997-9167

Name of previous owners: JDK HOMES LLC Existing bedrooms: 4

Proposed bedrooms: _____

Has this request been previously discussed with a Sanitarian? (Name): NO

Public Sewer available/nearby: NO

*A Sanitarian will be in contact within three business days, depending upon the urgency of the situation, to coordinate the scheduling/review of the repair or upgrade.

Prior to scheduling inspections, scaled plans should be submitted to clarify the nature of the addition.

Print out a copy of Real Property Data via Dept. of Taxation website _____ Indexed file found _____

If public sewer may be nearby, verify whether sewer is technically "available" through the Bureau of Engineering.

If sewer is available and the property is within the Metropolitan District, connection to sewer is required. If the owner believes reason for exemption exists, the owner should justify the request in writing.

If soil/site conditions are limited and sewer and/or Metro District status is not conducive to connection, the Sanitarian may recommend pursuit of Emergency Sewer Extension or Emergency Metro District Inclusion. The Owner should contact the Bureau of Utilities for details.

No permit is to be issued nor inspection to be scheduled without prior fee collection at the office unless an emergency situation exists. The contractor is to notify office of the emergency situation as soon as possible.

Map-21
GRID-G
Parcel-105
District-4

7/27/2014

Septic System Repair for 14010 Burntwoods Road -

The system will be comprised of a 4 bedroom Hoot tank with 2 pumps and a shallow low pressure distributed bed. I have drawn a diagram of the bed that is to scale. The additional pump is to have a float tree and has to be wired separately from the Hoot tank. A $\frac{1}{2}$ to $\frac{3}{4}$ HP pump should be able to sufficiently pressurize the bed.

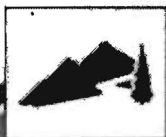
- Bed Inlet 2.5', Bed Bottom 4.5'
- 2' of Gravel Below Inlet and Gravel to
- Cover Laterals
- Use Clean Washed Gravel or River Rock
- Bed to Be 2' From Front and Side Property Lines
- Force Main 3", Laterals $1\frac{1}{4}$ ", $\frac{1}{4}$ " Lateral Holes

Procedure:

- Mark Out the Bed Perimeter
- Find the Lowest Part of the Bed Area and Dig Down to 4.5', This is the Reference Point. Make the Rest of the Bed Bottom Level to this Point
- Add 2' of Gravel and Level It Out

- Drill and Clean the Lateral Holes
- Install the Lateral Network
- Cover the Laterals with Gravel and Level It Out
- Put On Geotextile Fabric and Cover Bed

See Plot Plan For Tank and Bed Locations



CANAAN VALLEY INSTITUTE

August 6, 2014

Mr. Robert Hite
14010 Burntwoods Road
Glenelg, MD 21737

RE: FY 2015 Howard County Bay Restoration Fund OSDS Upgrade Program

Dear Mr. Hite:

Thank you for your application to participate in the Howard County Bay Restoration Fund OSDS Upgrade Program. The Howard County Health Department has verified that your existing septic system is failing and in need of repair. Based on your 2013 income tax return form, you are eligible to receive funding to cover **100%** of the cost to upgrade your system to one of the MDE approved BAT units listed below. The approved price includes the cost of the unit, installation of the unit, and 5 years of operation and maintenance. The price does not include the cost of permits.

<u>System</u>	<u>Vendor</u>	<u>Contact</u>	<u>Phone</u>
Orenco (Advantex AX20)	Atlantic Solutions	Robert Johnson	877-214-9283
HOOT 600 BNR	Mayer Bros, Inc	Nancy Mayer	410-796-1434
Norweco Singlair TNT	Back River Precast LLC	Matthew Geckle	410-833-3394
SeptiTech	Maryland Concrete, Inc	Rodney Glace	443-491-3598

In order to receive your OSDS upgrade, **you MUST follow these steps:**

1. **Sign this letter** on the bottom of page 2 **and return it** in the envelope provided within **2 weeks of the date of this letter.**
2. File a septic repair permit application with the Howard County Health Department **within 2 weeks of the date of this letter.** The permit application fee is \$396.00 (\$165 for tank approval only).
3. Obtain the Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration Funds from the Howard County Health Department, have it signed by a Howard County Health Department Bureau Director or Designee. Then take it to the Circuit Court and have it recorded in Land Records **within 2 weeks of the date of this letter.**
4. Prepare your property and schedule installation of the system. The system must be installed **within 6 weeks of the date the Agreement and Easement is recorded.**

If assistance is needed in completing any of the steps listed above, you may contact me at 304-940-3443 or kristin.mielcarek@canaanvi.org.

494 RiverStone Road | Davis, WV 26260
Phone: (304) 259.4739 or (800) 922.3601 | Fax: (304) 259.4759
www.canaanvi.org

The system vendor may provide a contractor to install your BAT unit. CVI will provide payment directly to the vendor. The vendor may also require proof of insurance from your contractor.

If your system is not installed within the 8 week timeframe listed in the steps on page 1, the funds may be released and used elsewhere. If you cannot complete installation in within this timeframe, please contact me to request an extension. Please note that failure to request an extension may result in termination of your grant and your system must be installed no later than June 27, 2015 in order to retain your funding.

For more information on septic repair permitting, contact:

Jeff Williams
Program Supervisor, Well and Septic
410-313-1771

Please sign and return this original letter and keep a copy for your records. If you have any questions, please contact me at 304-940-3443 or by email at kristin.mielcarek@canaanvi.org.

Sincerely,

Kristin Mielcarek, Watershed Circuit Rider

Accepted by: Robert Hite, Property Owner

I have read and agree to the conditions of this Agreement Letter.

Signature

Date

494 RiverStone Road | Davis, WV 26260
Phone: (304) 259.4739 or (800) 922.3601|Fax: (304) 259.4759
www.canaanvi.org

enough to ask. Last, how do I determine if I can

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Friday, October 31, 2014 1:53 PM
To: 'Robert Hite'; Kristin Mielcarek
Subject: RE: Bay Restoration Fund grant application

Hello Bob. I've heard back from MDE and their position is that a tank replacement to a BAT unit using BRF money is not approvable if the drainfield does not meet code requirements. Hopefully your existing system is still operating properly. If you choose to move forward with the repair at any time, we have a septic design in your file and you may apply for a BRF grant at that time. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

From: Robert Hite [<mailto:Robert.Hite@howardcountymd.gov>]
Sent: Tuesday, August 05, 2014 10:57 PM
To: Kristin Mielcarek
Cc: Williams, Jeffrey
Subject: Re: Bay Restoration Fund grant application

Kristin,

Attached is the completed Bay Restoration Fund application. I am a little surprised that after E-mailing you with questions and leaving you a voicemail that I did not hear back. Please let me know that you have received what you need. Thanks.

Bob Hite

On Mon, Jul 28, 2014 at 9:37 PM, Robert Hite <Robert.Hite@howardcountymd.gov> wrote:
Kristin,

Who am I supposed to put down for the contact? Is that the contract company, the county sanitarian, or is it my information again? Also, is the phone number, fax, and E-mail suppose to be my contact info as well. I feel

like it would be, but the fax number line made me curious enough to ask. Last, how do I determine if I can check off any of the prioritization factors?

To get started, I attached a copy of our 2013 Tax return to verify income. The document is password protected and is '8185'. Thanks.

Bob Hite

On Fri, Jul 25, 2014 at 11:36 AM, Kristin Mielcarek <[REDACTED]> wrote:

Hello Mr. Hite,

I was given your contact information by Jeff Williams at the Howard County Health Department. He notified me that you are interested in applying for a grant to upgrade your septic system.

Attached is the application for enrollment into the Bay Restoration Fund septic grant program. To apply, please fill it out and send it back to me along with a copy of your 2013 tax return. This is used for income verification purposes.

Once I receive your application and tax information, I can process your application.

Sincerely,

Kristin

Kristin Mielcarek

Watershed Circuit Rider

Canaan Valley Institute

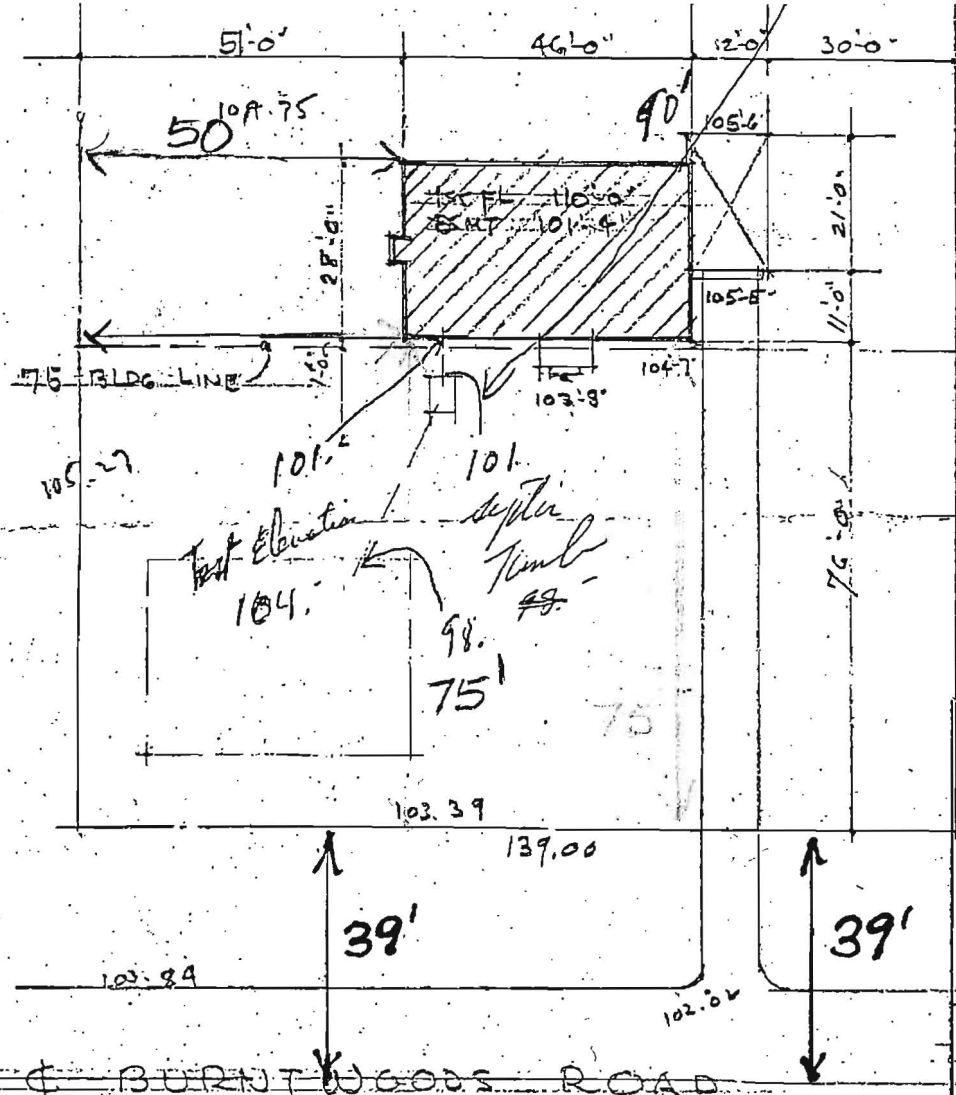
494 Riverstone Road

Davis, WV 26260

Ph: [REDACTED]

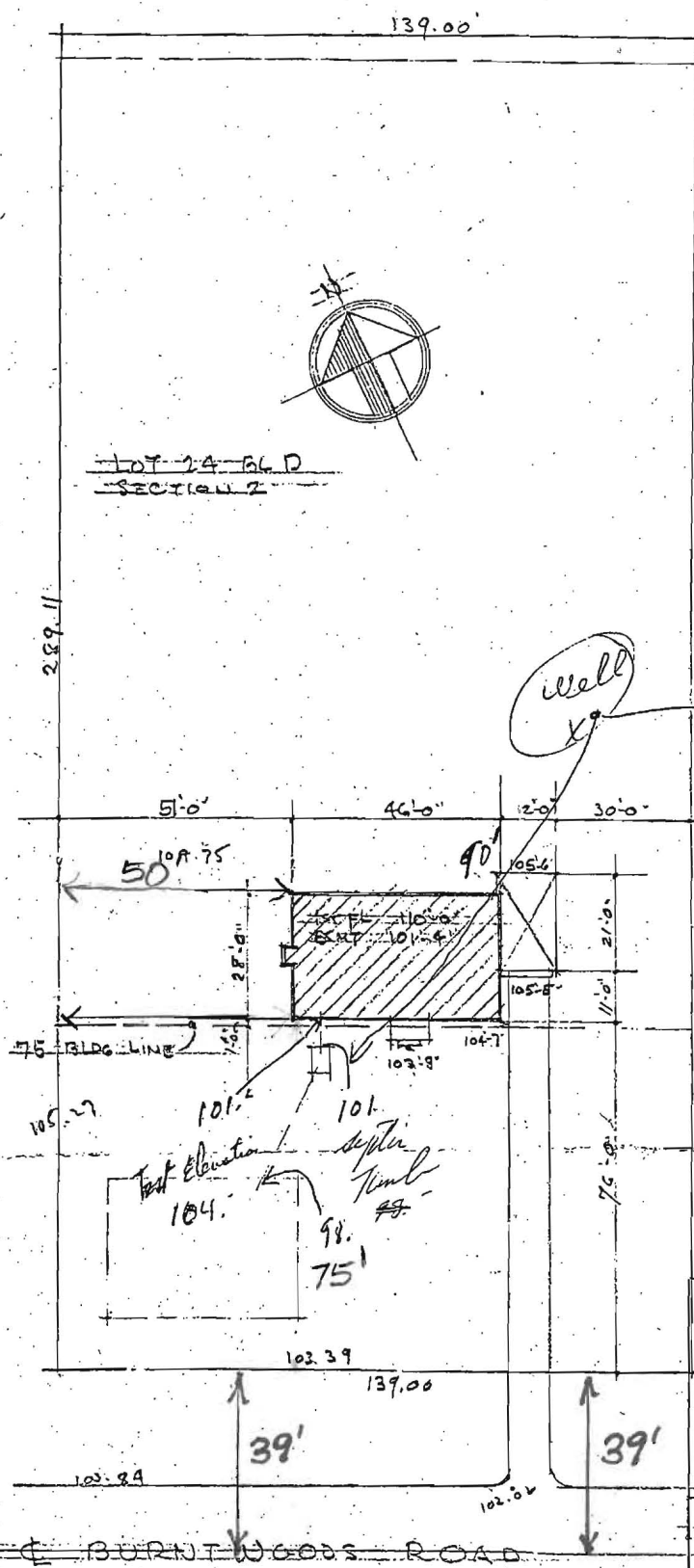
Fax: [REDACTED]

[REDACTED]



PLOT PLAN 30'-0"

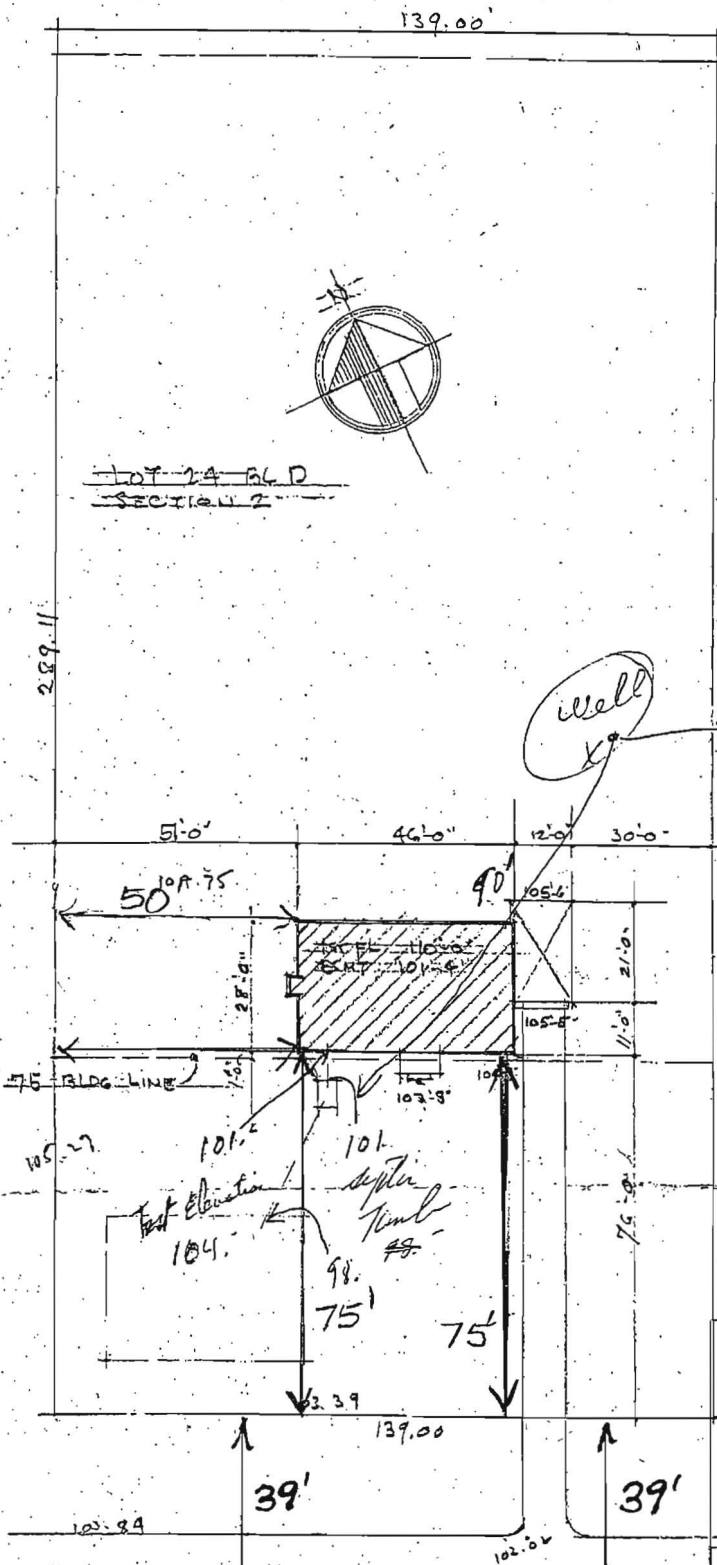
<p>PATTERSON & WORLAND ARCHITECTS & LAND PLANNERS 4916 ST. ELMO AVE., BETHESDA 14, MD. PHONE: 654 - 1396</p>				
<p><u>THE DEVEREUX CO</u> <u>BURN WOOD, HOWARD CO., MD</u></p>				
DRAWN BY <u>WJP</u>	DATES <u>19 SEPT 62</u>	LOT NO. <u>24</u>	BLOCK <u>D</u>	DRWG. NO.
CHECKED BY		SECTION <u>2</u>	JOB NO.	



LOT 24-66D
SECTION 2

Plot Plan
1" = 30'-0"

PATTERSON & WORLAND ARCHITECTS & LAND PLANNERS 4916 ST. ELMO AVE., BETHESDA 14, MD. PHONE: 654-1396				
THE DEVEREUX CO. BURNT WOOD, HOWARD CO., MD.				
DRAWN BY WUP	DATES 17 SEPT 62	LOT NO. 24	BLOCK D	DRWG. NO. (P)
CHECKED BY		SECTION 2	JOB NO.	



well
Elevation 105

PLOT PLAN
30'-0"

PATTERSON & WORLAND
ARCHITECTS & LAND PLANNERS
4916 ST. ELMO AVE., BETHESDA 14, MD.
PHONE: 654-1396

THE DEVEREUX CO
BURNING WOODS ROAD

DRAWN BY HWP	DATES 17 SEP 62	LOT NO. 24	BLOCK D	DRWG. NO. P
CHECKED BY		SECTION 2	JOB NO.	