



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: 8/2/16 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 558 814-A

APPROVAL DATE: 9/13/16 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 5011 Altogether Way

SUBDIVISION: Greenberry LOT: 22 TAX ID: 05-598685

CONTRACTOR: South Carroll Backhoe EMAIL: scbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road PHONE: 410-596-3618

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: NVR Inc. EMAIL: _____

OWNER ADDRESS: 9720 Patuxent Woods Road PHONE: 410-379-5956

BAT UNIT MODEL: Hoot H-600 BNR PUMP SIZE: 0.4 PUMP TANK CAPACITY: 750

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 4/15/16 DATE RECORDED: 4/15/16

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>195</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>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:	Install 2 cleanouts in SHC with no more than 70' between them.	

ISSUED BY: Robert Bricker ISSUE DATE: 8/2/16 EXPIRATION DATE: 8/2/17

- 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 16002969
- 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	INLET	BOTTOM
3'	4'	7'

NUMBER OF TRENCHES 3

TOTAL LENGTH 196'

ABSORPTION AREA 588' + SIDEWALL

DISTRIBUTION BOX LEVEL YES

DISTRIBUTION BOX BAFFLE ELBOW

DISTRIBUTION BOX PORT YES

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL YES

MANUFACTURER MAYER BROS.

CAPACITY 1500 GAL

SEAM LOC TOP

TANK LID DEPTH 2.5-3'

BAFFLES YES

BAFFLE FILTER NONE

MANHOLE LOC FRONT + REAR

6" PORT LOC NONE

WATERTIGHT TEST No

SLOTTED No

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 _____~~

see separate sheet for As-built

ROAD NAME _____

PRE-CONSTRUCTION:

8/10/16 BAT unit staked, SRA staked, OK to set BAT unit.

Trees need to be cleared approx 75' into top cen of SRA. No

layout given. (KRW) 8/15/16 Layout of trenches with S. Carroll. Area cleared. SDA

stakes still present. Cathodic protection wire stakes IN SDA - superintendant says they're

old + line runs between north edge of SDA + prop line as shown on BAT plan. Laid out

3x65' trenches on contour. End spacing is greater than beginning b/c higher on E side. (SC)

INSTALLATION: 8/15/16 On site during tank delivery. No obvious cracks on sides of tank. (SC)

8/16/16 S. Carroll digging T1. 3' wide, 7' to bottom. Using laser to check depth. (SC) 8/18/16 T2

finished + left open at ends. S. Carroll filling T3 with stone. 3' wide, 7' to bottom, 3.5' to stone.

Using laser to check invert level. (SC) 8/18/16 D-box set and connected to trenches. Need

house connection, line from tank to D-box, and BAT startup certification. (SC) 8/19/16

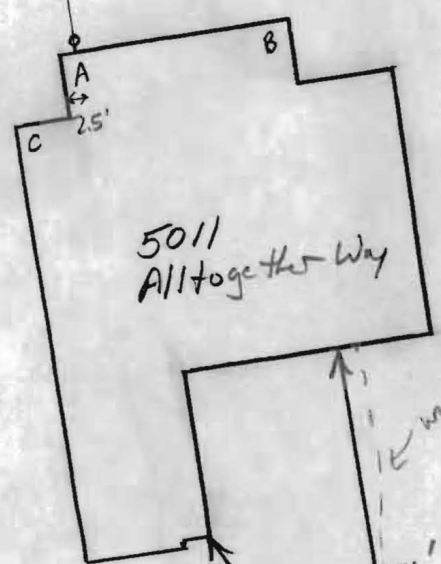
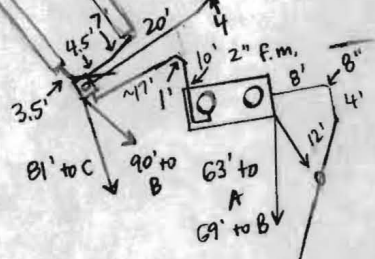
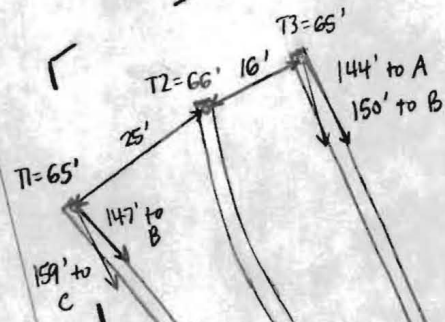
Line finished from tank to D-box. Still haven't located sewer line coming out of house. (SC)

8/31/16 House connection complete. Need BAT startup certification. (SC) 9/12/16 On site for float

startup. Alarm sounds, pump pumps effluent to D-box. (SC) 9/13/16 BAT startup report received. (SC)

FINAL INSPECTOR Sarah Collins

DATE OF APPROVAL 9/13/16



140-14-0168



MAYER BROS., INC.
Precast Concrete Products
6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction Hoot System Installation

Address of Property: 5011 Altogether Way
Clarksville, MD 21029

Date of Final Inspection: 9/12/16

Installer: South Carroll Backhoe Service

Hoot Technician/Inspector: Mike Sampir

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

H. Michael Dagen
Name of Inspector
Mayer Bros., Inc.

PH: 410-796-1434

WBE

FX: 410-796-1438

www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors,
Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers,
Custom Precast Products

65-22



Bureau of Environmental Health

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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

OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM

THIS AGREEMENT is made this 18th day of April 2016, among Ericka Collins, Steven NVR, Inc., hereinafter collectively referred to as Houlihan and "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 5011 Altogether Way, Clarksville, MD 21029, in the Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber Folio Plat # 23453

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013. The pre-treatment device being installed is Foot 600

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.

B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.

E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that this system shall require

LR - Agreement 20.00
Recording Fee 20.00
Grantor/Grantee Name:
houlihan
Reference/Control #: 39
LR Agreement 40.00
Subcharge 60.00
Total: 120.00
2016 12:32
CC13-LS
036 CC0503
08/03/2016 03:08

JW R/B/2014

000039

HOWARD COUNTY CIRCUIT COURT (Land Records) WAR 16794, p. 0424, MSA_CE53_16785, p. 0424, MSA_CE53_16785. Date available 05/02/2016. Printed 07/08/2016.

maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

Beet Nijom 4/15/2016
Howard County Health Department

[Signature] 4/14/16
Owner #1 Signature Date

Robert C. Gottman
Owner #1 Print Name

[Signature] 4/21/16
Buyer #1 Signature Date

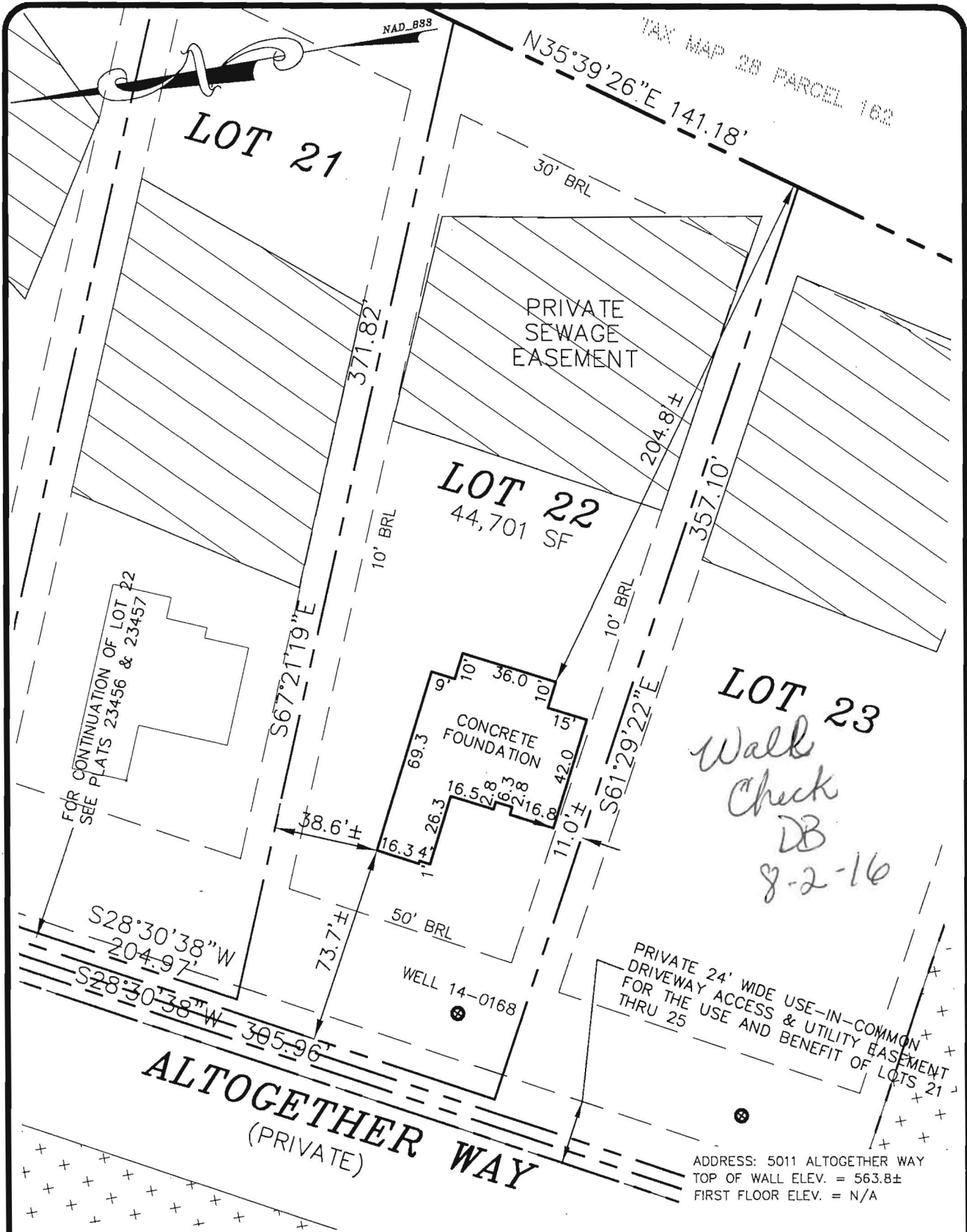
Steven Hovlison
Buyer #1 Print Name

Owner #2 Signature Date

Owner #2 Print Name

Erica Caslin 4/21/2016
Buyer #2 Signature Date

Erica Caslin
Buyer #2 Print Name



LOT 22
GREENBERRY

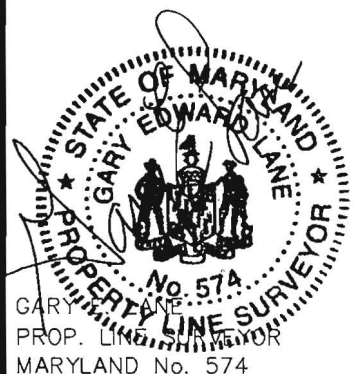
PLATS 23453-23461
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

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. 574, EXPIRATION DATE: 03/21/17.

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

**MILDENBERG
BOENDER, & ASSOC., INC.**

Engineers Planners Surveyors
7350-B Grace Drive, Columbia, MD 21044
(410) 997-0296 Balt. (410) 997-0298 Fax.



FOUNDATION	DATE: 06/15/16	FINAL LOCATION	DATE: N/A
DRAWN BY: MES	CHECKED BY: GEL	SCALE: 1"=50'	
PROJECT NO.: 15-005	LOCATION DRAWING		

Will do. We have been working working with Columbia gas to remedy this situation since we discovered its existence. We should be able to wrap it up this week. They will be relocating the wire outside of the sewage easement.

Thanks much

R. Jacob Hikmat, P.E.
President
Mildenberg, Boender and Associates, Inc.
7350 Grace Drive, Suite B
Columbia, MD 21044
(410) 997-0296
(443) 538-9547 (Cell)

From: RBricker@howardcountymd.gov
To: jhikmat@hotmail.com; tfaris@nvrinc.com
Subject: Greenberry Lot 22_Cathodic Protection Wire
Date: Mon, 21 Mar 2016 18:57:22 +0000

Jacob and Taylor,

I have attached a graphic in reference to the issue of the Health Department requirement that the Percolation Certification Plan for Greenberry Lot 22 be revised. The graphic is from the Plan View of the BAT Plan for Lot 21, and illustrated thereon, within the area of Lot 22 and continuing across the backs of Lots 21 and 20 is a "Cathodic Protection Wire". Sewage disposal areas (SDA) and well zones cannot occupy the same area that is set aside as an easement, especially an easement containing long-term or permanent underground facilities.

A revised Percolation Certification Plan for Lot 22 shall include illustration of the area described in Libra 288, Folio 217. Reconfiguration of the SDA is required; abandonment of the existing Well Zone likely will be necessary.

An alternative would be to abandon the cathodic protection wire and the (maintenance) easement utilized by the pipeline company. Should this occur, the Health Department requires a copy of the recorded document abandoning the specific easement, and documentation that the cathodic protection wire is severed at the boundary of Lot 22.

ROBERT BRICKER, REHS/R.S., L.E.H.S.
ENVIRONMENTAL SANITARIAN II
BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
8930 STANFORD BLVD., COLUMBIA, MD 21045

Phone: Desk, 410-313-2691; Program, 410-313-1771; Bureau, 410-313-1774
Fax: 410-313-2648

E-mail: rbricker@howardcountymd.gov

R021309
310

BOOK 283 PAGE 211



32156

For and in consideration of the sum of Two Hundred
(500⁰⁰) Dollars, we Barnesley & Frances K.
Williams do hereby grant unto

Atlantic Seaboard Corp. Company, its successors and assigns, the
right to erect, maintain, operate and finally remove a Rectifier
Station on pub lands in _____ District, Howard
County, Maryland, with the right to connect inlet and outlet lines to
and from same, and with the right of ingress and egress; said Rectifier

Station to be located at Shown's Cove
plat & div # 32.27 Ground bed 160' and line
from Rectifier to pipe line to be buried

Witness the following signatures and seals this 12 day of

July, 1956.

Barnesley Williams (SEAL)
Frances K Williams (SEAL)

Maryland
STATE OF MARYLAND : To-wit:
COUNTY OF Montgomery

I, Clayton L. Umstead, a Notary Public in and for
the County and State aforesaid, do certify that Barnesley Williams
and Frances K. Williams whose names are signed to the
writing above, bearing date the 12th day of July 1956,

have this day acknowledged the same before me in my said County.

Given under my hand this the 12th day of July

My commission expires May 7, 1957

Clayton L. Umstead
Notary Public.



Am. 18500 00
No. 20-759

22156

Rowley Williams & Co.
Inc.

Atlantic Seaboard Corp.

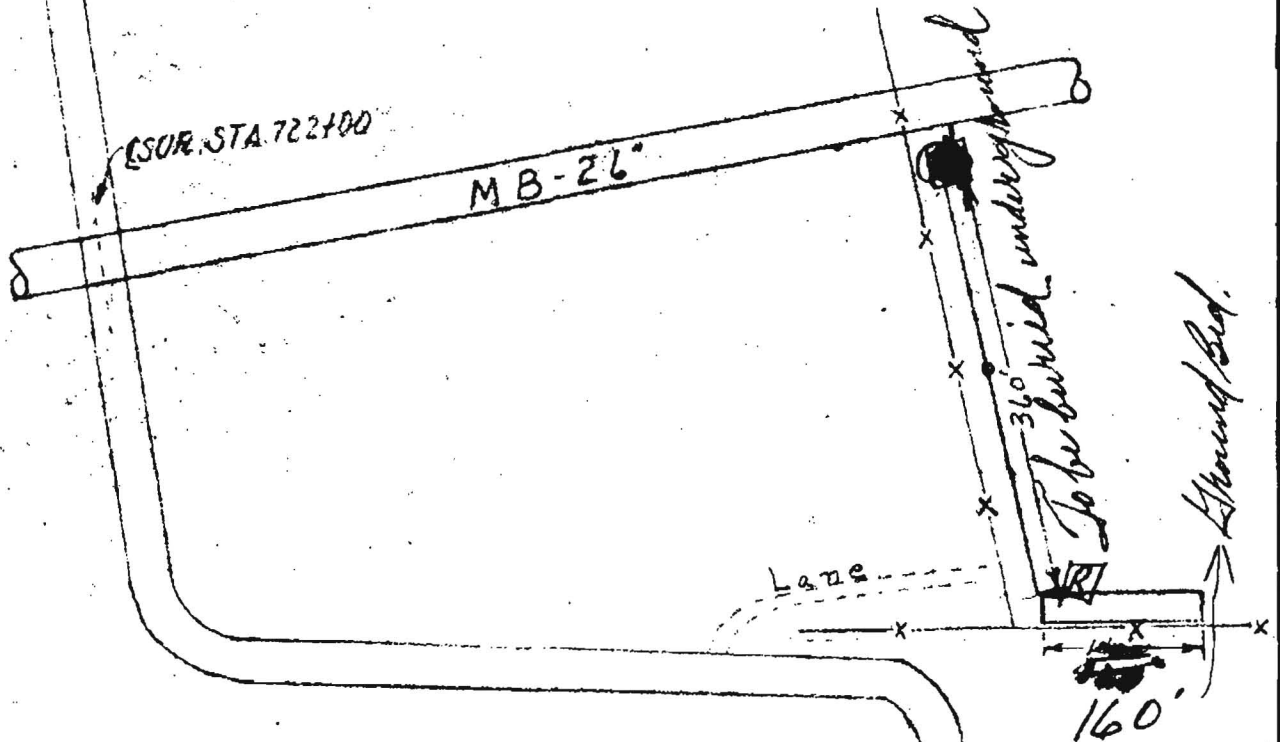
7/2/52

No 20577 Sub. 409



To Linden Church &
Md. State Rt. 32

Barnsley Williams



Ground Bed to have
20 Anodes, 7' Long, 4" diam.
at depth of 6'

Received for record Sept 21-1956 at 9-00
o'clock A.M. Same day recorded and examined per
Roby H. Mullinix 32156, Clerk.

2/10

SEABOARD DIVISION ATLANTIC SEABOARD CORPORATION		LINE MB PROPOSED RECTIFIER ALTERNATE LOCATION NO. 2			
SCALE <u>None</u>	DRAWN <u>600</u>	APP'D		DWG. No. <u>3327</u>	
DATE <u>Feb. 13 1956</u>	CHK'D	APP'D			

1 1/2 cont. \$500
1 cont. 30.754

32156

RECEIVED
D. O. PA. 1978
REVENUE DEPARTMENT

Handwritten signature

Handwritten initials

Handwritten signature

Handwritten signature

Handwritten signature

RECEIVED FOR RECORD
AT 9 O'Clock
IN LIBER R. H. M. B. 288 FOLIO 217
ETC. ONE OF HO LAND CO. LAND REC.
EMP. TIED FEB
Handwritten signature

407-