

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: 7/5/18 **ONSITE SEWAGE DISPOSAL SYSTEM** P 563048

APPROVAL DATE: 8/13/18 sec **PERMIT: CONSTRUCTION** A _____

PROPERTY ADDRESS: 15332 Galaxy Drive

SUBDIVISION: Fairlane Farms LOT: 8 TAX ID: 04-600001

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

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618

PROPERTY OWNER: NV Homes EMAIL: _____

OWNER ADDRESS: 9720 Patuxent Woods Drive, Columbia, MD 21046 PHONE: 410-379-5956

SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon Vault or equivalent

PUMP MODEL: N/A PUMP SIZE N/A PUMP TANK CAPACITY: N/A

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

TRENCHES:	LINEAR FEET REQUIRED: <u>195.3 175'</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>4.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>Install 2 - 87'.50" Trenches</u>	

ISSUED BY: Hank Oswald ISSUE DATE: 7/5/18 EXPIRATION DATE: 7/5/19

- 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 TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADE 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 N/A
- 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.

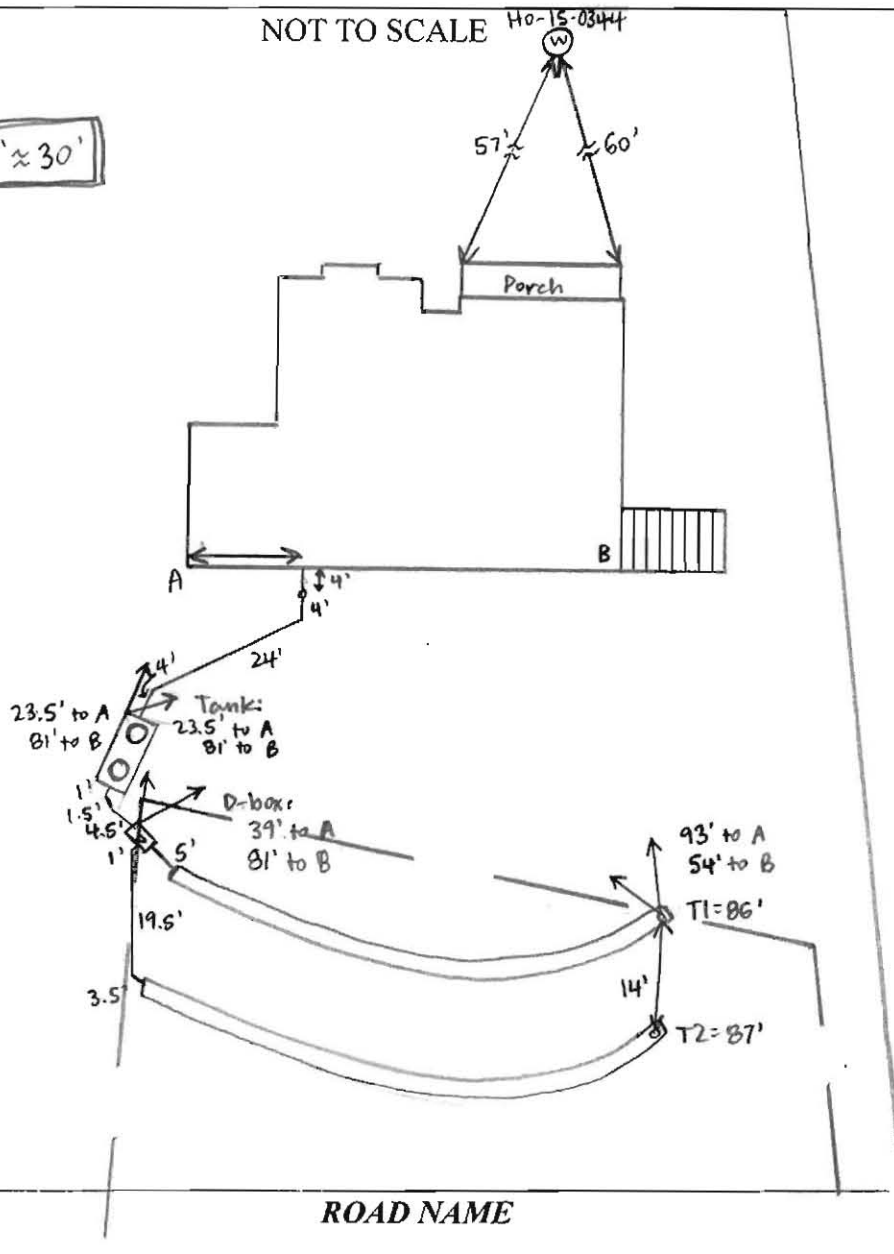
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

HO-15-0344

1" = 30'



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	4'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		173'
ABSORPTION AREA		519' + SIDEWALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA

SEPTIC TANK I LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	2'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	YES
DATE ON LID	6-1-18

~~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:

7/31/18 Met S. Carroll on site for layout. Tank stake present, all SDA corner stakes there except one closest to tank. Scaled off house to find that corner stake location. Shot contour + laid out 2x 88' trenches. (SC)

INSTALLATION:

8/7/18 Tank set. (SC) 8/8/18 Trenches complete, T1 left open for inspection and T2 left open at ends. 3' wide, 3.5' to stone. D-box set + connected to tank + trenches. Levelled speed levelers in D-box. Pipe laid from house to tank. Need house connection. (SC) 8/13/18 House connection made. (SC)

FINAL INSPECTOR

Sarah Collins

DATE OF APPROVAL

8/13/18

Transmittal

Via: Fax Mail Messenger E-Mail To Be Picked Up
 Fax (original to follow via U.S. Mail)

To: Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21046-4544	Attn: Hank Oswald Fax: Phone: 410-313-2640
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From: Dave Harward	CC:
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Re: Fairlane Farms, Lot 8	W.O.# 05106-3003
Date: Oct. 2, 2017	Pages: 0 Page(s) Including this cover

We are forwarding: <input checked="" type="checkbox"/> Prints <input type="checkbox"/> Copy of Letter <input type="checkbox"/> Specifications <input type="checkbox"/> Shop drawings <input type="checkbox"/> Other <input type="checkbox"/> Urgent <input type="checkbox"/> For your use <input type="checkbox"/> As requested <input checked="" type="checkbox"/> For Review & Comment

Remarks:

Re: Fairlane Farm, Lot 8, 15332 Galaxy Drive

Hank, Thanks for your prompt review on this. We've addressed your comments, and here are provided 3 copies of a Septic Installation Site Plan for Lot 8, for your review/approval. If you have any comments, please email or call me, and please leave let me know and please leave 1 signed copy up front for us.

Thank You,

Dave Harward

DaveH@fcc-eng.com

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

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**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

Terrill A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.
Frank Manalansan II, L.S.
Stephanie Tuite, RLA, P.E., LEED AP BD&C

Transmittal

Via: Fax Mail Messenger E-Mail To Be Picked Up
 Fax (original to follow via U.S. Mail)

To: Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21046-4544	Attn: Hank Fax: Phone: 410-313-2640
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From: Tony Fertitta	CC:
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Re: Fairlane Farms, Lot 8	W.O.# 05106-3003
Date: April 23, 2018	Pages: 0 Page(s) Including this cover

We are forwarding:	<input checked="" type="checkbox"/> Prints	<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Specifications	<input type="checkbox"/> Shop drawings	<input type="checkbox"/> Other
	<input type="checkbox"/> Urgent	<input type="checkbox"/> For your use	<input type="checkbox"/> As requested	<input checked="" type="checkbox"/> For Review & Comment	

Remarks:

Re: Fairlane Farm, Lot 8, 15332 Galaxy Drive

Here are 3 new copies of the OSDS for Lot 8 for your review. Please let me know if you have any questions.

Thank You,

Tony.

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

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www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

September 28, 2017

Fisher, Collins & Carter, Inc.
10272 Baltimore National Pike
Ellicott City, MD 21042
Attn: Tony Fertitta

Sent via email to: tonyf@fcc-eng.com

**RE: OSDS Plan
15332 Galaxy Drive
Woodbine, MD 21797**

Hi Tony:

The OSDS Plan for 15332 Galaxy Drive has been reviewed with the following comments:

- 1.) The septic profile shows a 0.5 % (not 5 %) grade between the invert out of the first cleanout and invert into septic tank. Please revise grade/fall to 2 - 5 % (if possible).
- 2.) Revise initial system effective depth to 2.5 feet (not 4.5 feet)
- 3.) Revise second system effective depth to 3 (not 3.5)

Should you have any questions or concerns, please don't hesitate to contact me.

Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S
Bureau of Environmental Health
Well & Septic Program

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, September 28, 2017 7:38 AM
To: 'Tony Fertitta'
Subject: OSDS Plan_15332 Galaxy Drive
Attachments: OSDS_15332 Galaxy Drive_9.17.pdf

Hi Tony:

Please see attached letter with comments pertaining to the OSDS Plan for 15332 Galaxy Drive.

Respectfully,

Hank

Hank Oswald, L.E.M.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Transmittal

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 Fax (original to follow via U.S. Mail)

To: Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21046-4544	Attn: Hank Oswald Fax: Phone: 410-313-2640
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From: Dave Harward	CC:
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Re: Fairlane Farms, Lot 8	W.O.# 05106-3003
Date: Sept. 25, 2017	Pages: 0 Page(s) Including this cover

We are forwarding: <input checked="" type="checkbox"/> Prints <input type="checkbox"/> Copy of Letter <input type="checkbox"/> Specifications <input type="checkbox"/> Shop drawings <input type="checkbox"/> Other <input type="checkbox"/> Urgent <input type="checkbox"/> For your use <input type="checkbox"/> As requested <input checked="" type="checkbox"/> For Review & Comment

Remarks:

Re: Fairlane Farm, Lot 8, 15332 Galaxy Drive

Provided here are 3 copies of a Septic Installation Site Plan for Lot 8, for your review/approval. If you have any comments, please email or call me. If approved as is, please leave 1 signed copy up front for us.

Thank You,

Dave Harward

DaveH@fcc-eng.com

Fisher, Collins, & Carter, Inc. Ph. 410-461-2855

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Oswald, Hank

From: Oswald, Hank
Sent: Monday, September 25, 2017 9:29 AM
To: TFARIS@NVRINC.COM
Subject: B17003357_15332 Galaxy Drive

Hello Faris:

Good morning. This office received the building permit, floor plan and site plan for 15332 Galaxy Drive (Lot 8) but it did not receive the OSDS (Septic) Plan. Please forward 3 copies of the OSDS plan at your earliest convenience.

Should you have any questions or concerns, please don't hesitate to contact me.

Respectfully,

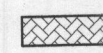
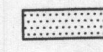
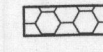

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

GENERAL NOTES:

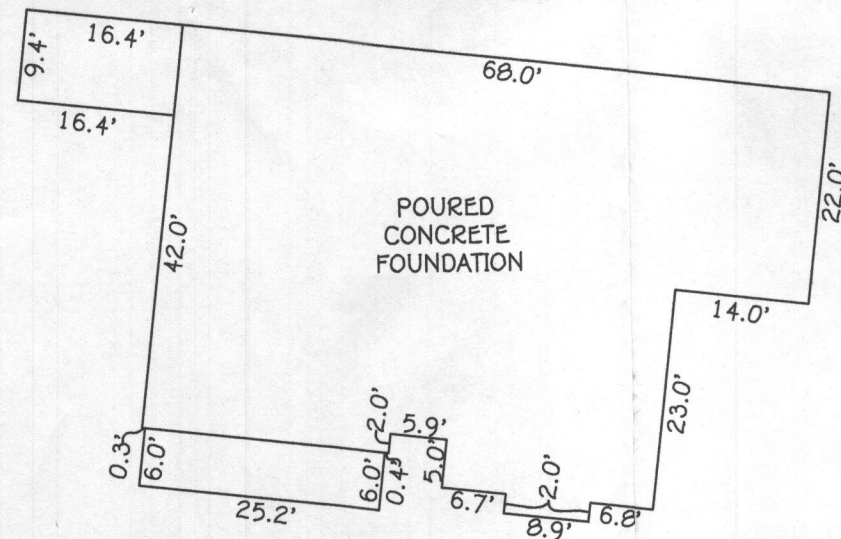
- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS 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 X ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 24027C0035D EFFECTIVE 11-06-2013.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1.0".
- 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-15-0344 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 10/04/2018.
- 7) BUILDING PERMIT #B-17003357

Legend

-  Private Use-In-Common Access Easement
-  10' Public Tree Maintenance Easement
-  Public Forest Conservation Easement (Retention)
-  Private Sewerage Easement

24' Private Use-In-Common Access Easement Line Table

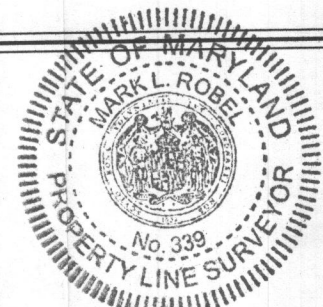
LINE	BEARING	LENGTH
UIC-6	R=276.00'	L=208.01'
UIC-7	N11°12'36"E	24.07'
UIC-8	R=300.00'	L=228.62'



DETAIL:
1"=20'

#15332 GALAXY DRIVE
B.R.L. = BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEVATION = 597.6'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE

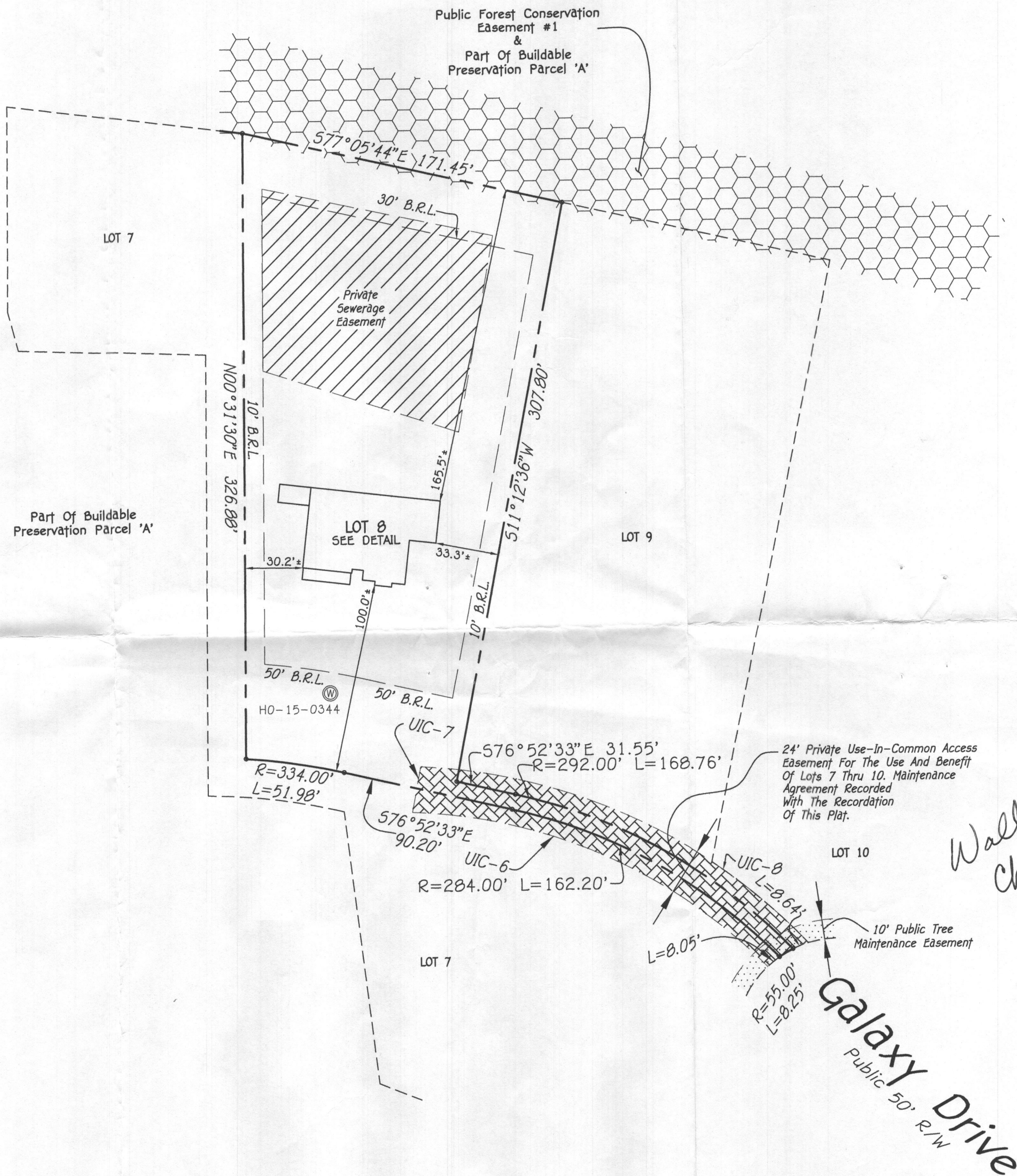


Mark L. Robel 6/19/18
PROPERTY LINE SURVEYOR
REG. #339

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 6/15/18
FINAL LOCATION:
BOUNDARY SURVEY:

SCALE: 1"=50'
DATE: 6/19/18
DRAWN BY: MD
CHECKED BY: MLR
PROJECT No.: 05106-3003



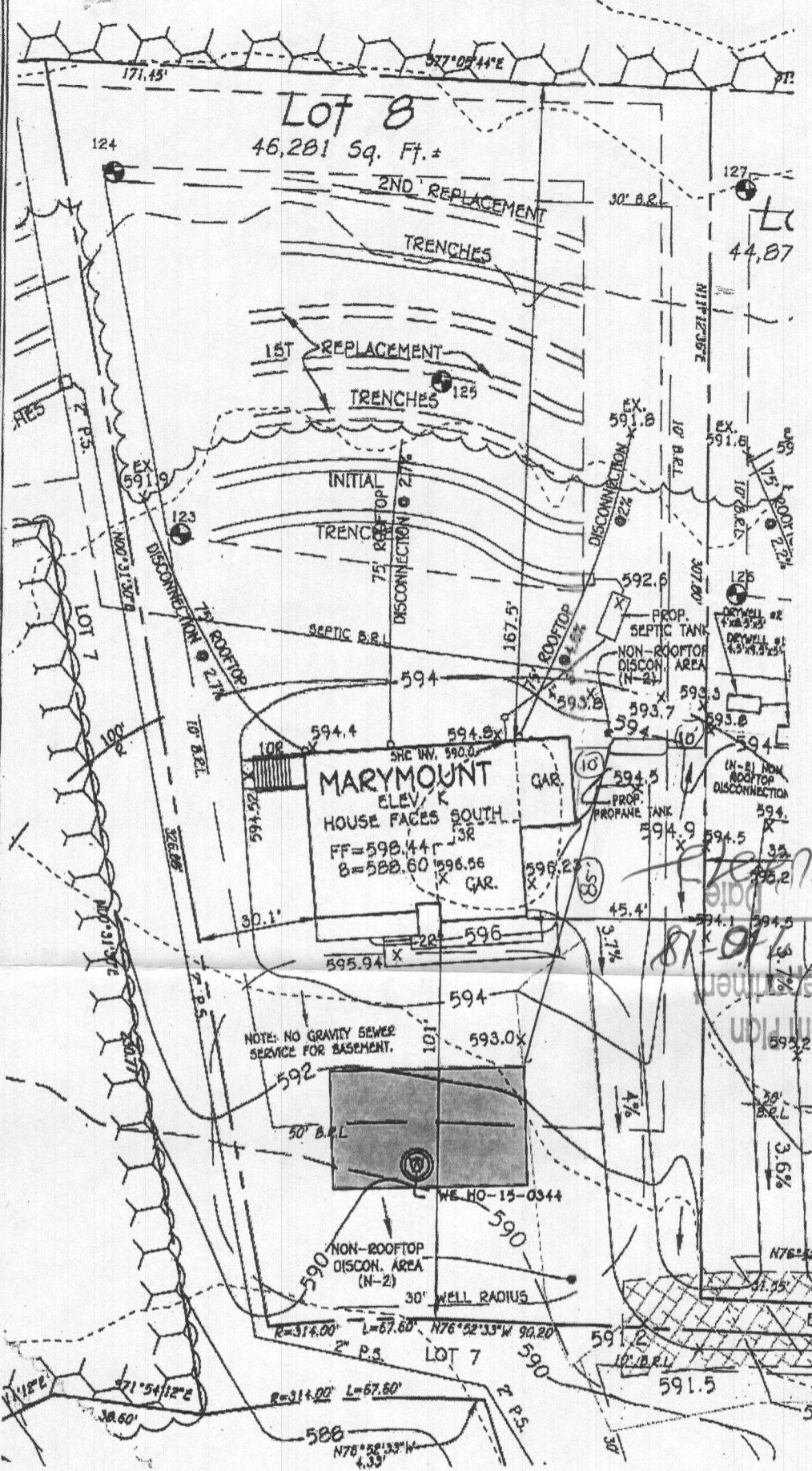
LOT 8
FAIRLANE FARM
PHASE ONE
LOTS 1 THRU 10, BUILDABLE PRESERVATION
PARCEL 'A', NON-BUILDABLE PRESERVATION
PARCELS 'B' THRU 'E', PARCEL 'F',
NON-BUILDABLE BULK PARCELS 'G' AND
'H' AND FOREST MITIGATION BANK
PLAT NOS. 24251 THRU 24259
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

376 S.F.	376 S.F.	202 S.F.	298 S.F.
1197 S.F.		GAR	
155 S.F.			

HOUSE DOWNSPOUT DRAINAGE AREAS
SCALE: 1" = 30'

STORMWATER MANAGEMENT NOTE:
STORMWATER MANAGEMENT FOR LOT 8 IS BEING PROVIDED BY A COMBINATION OF NON-ROOFTOP DISCONNECTION (N-2), FOR THE DRIVEWAY AREA, ROOFTOP DISCONNECTION FOR THE REAR HALF OF THE PROPOSED HOUSE. THE FRONT HALF OF THE PROPOSED HOUSE DRAINS TO BMP NO. 1, A SURFACE SAND FILTER (F-1) (LOCATED ON PARCEL 'E', BEHIND LOT 7).

NOTE:
NO GRAVITY SEWER SERVICE FOR BASEMENT FOR LOT 8, EJECTOR REQUIRED.



PLAN
SCALE: 1" = 40'

PERMIT SITE PLAN
LOT 8
15332 GALAXY DRIVE
FAIRLANE FARMS
PHASE ONE
ZONED: RC-DEO
TAX MAP NO.: 8 GRID NO.: 2 PARCEL NO.: 8
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 40' DATE: APRIL 24, 2018
SHEET 1 OF 1

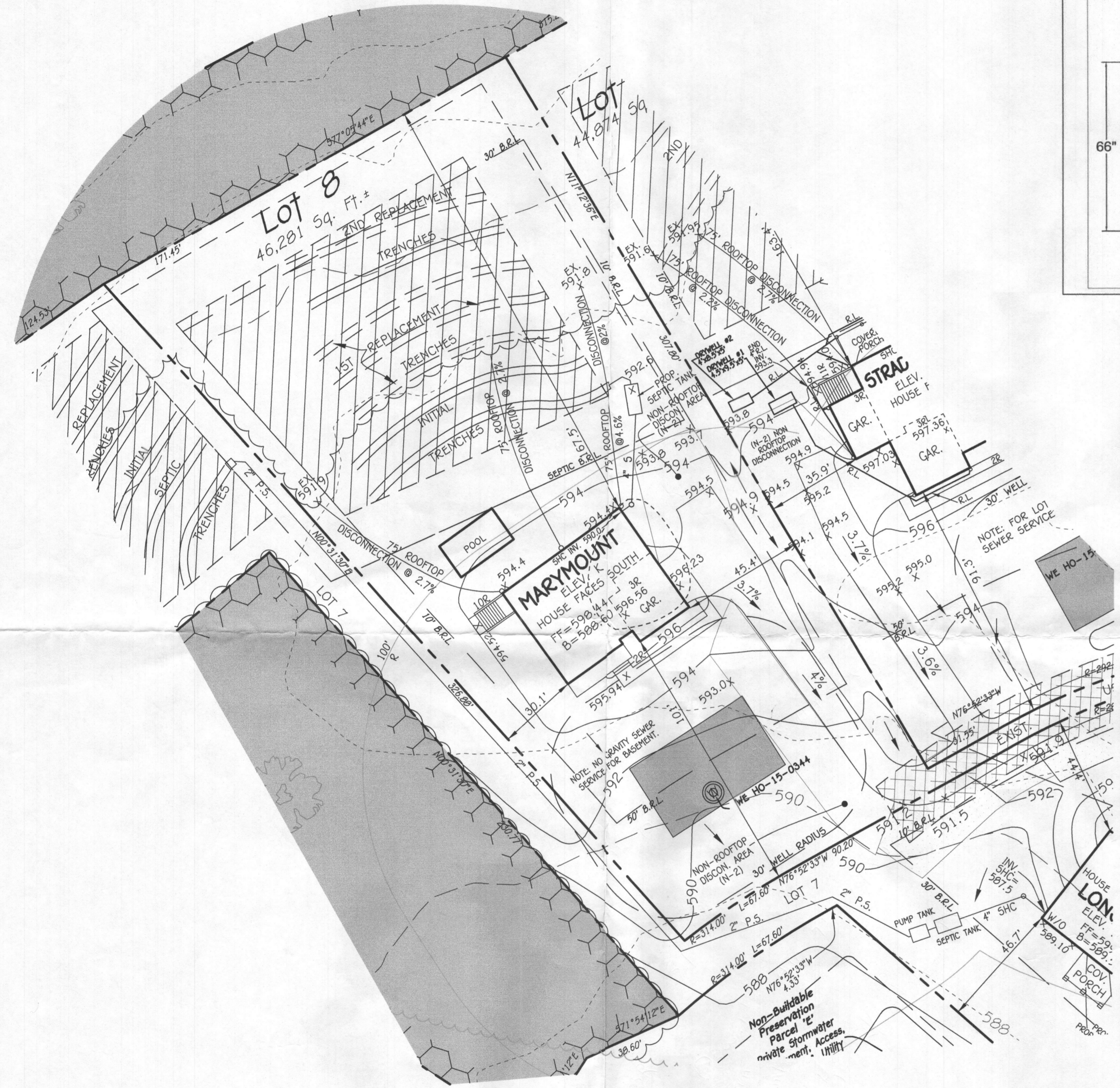
OWNER/DEVELOPER
BY HOMES
9720 PATUXENT WOODS DRIVE
COLUMBIA, MD 21048
410-379-9936

NOTE: THE EXISTING WELL SHOWN ON THIS PLAN, HO-15-0344, HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CONTINENTAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2995

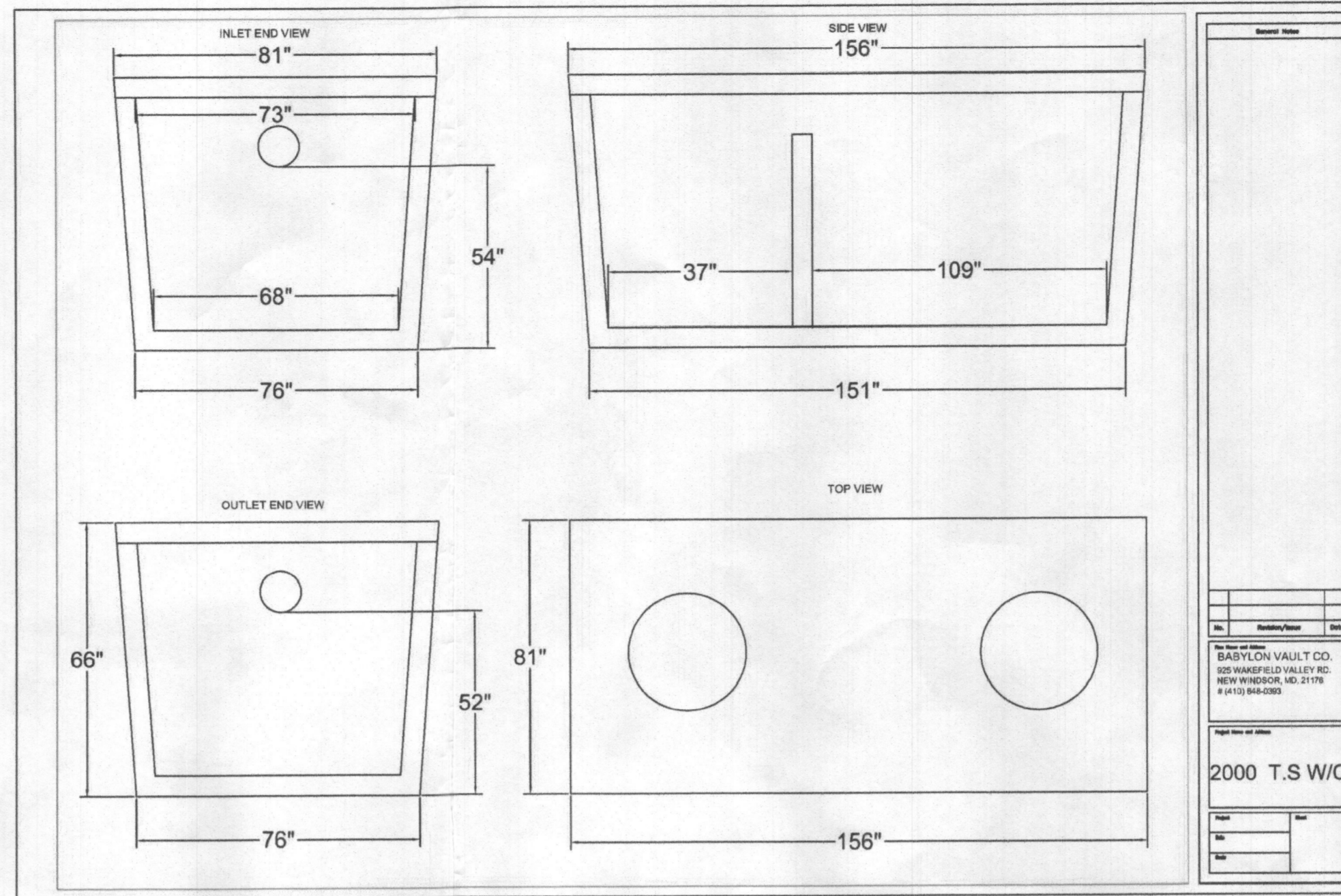
B 1700 33 57 1000 Gal Under

1. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
2. THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
4. THE WELL HO-15-0344 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN. IF FUTURE WELL IS LOCATED CLOSER THAN 10 FEET TO THE DRIVEWAY, THEN BOLLARDS MUST BE PLACED TO PROTECT THE NEW WELL.

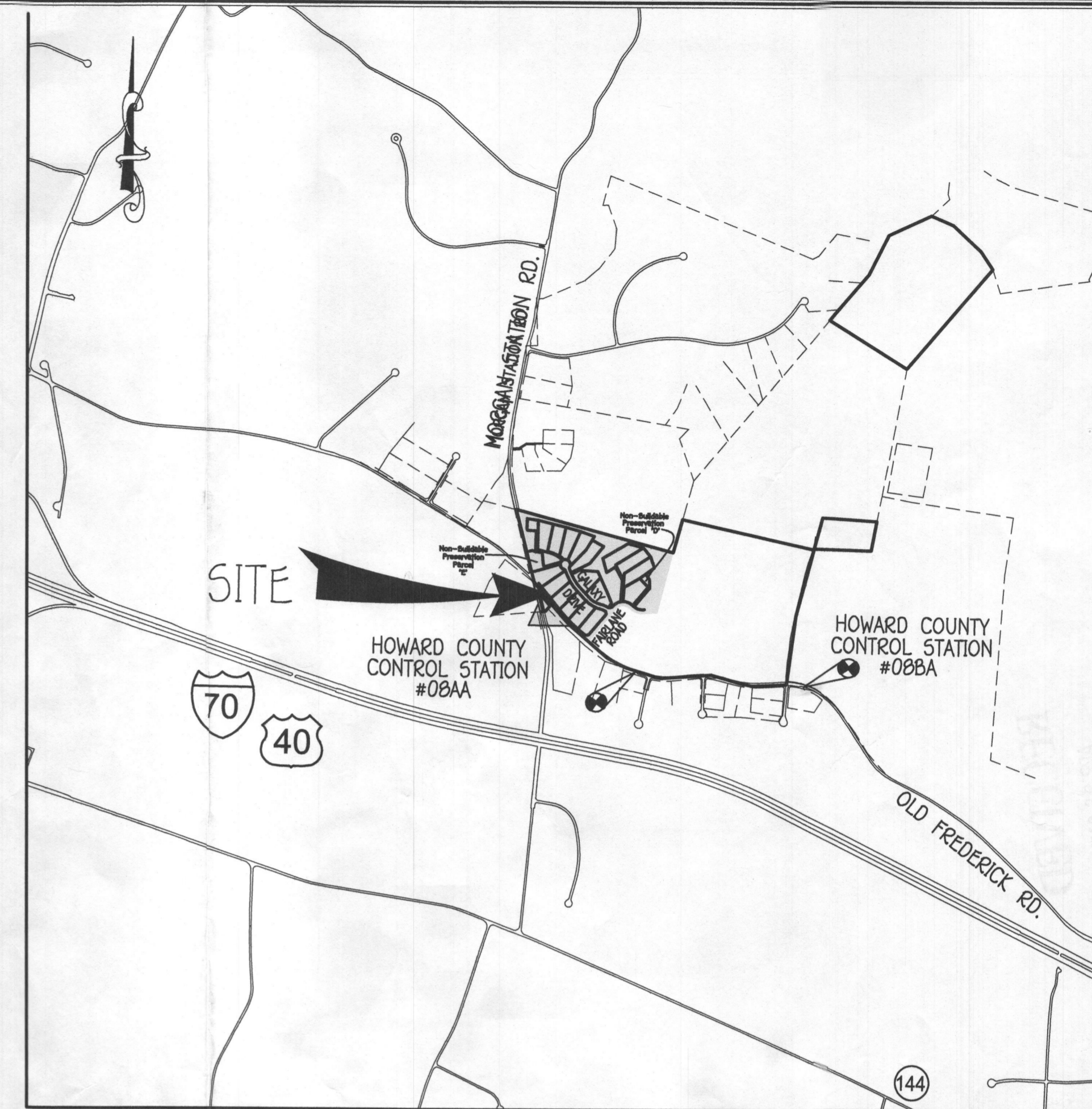


PLAN
SCALE: 1" = 30'

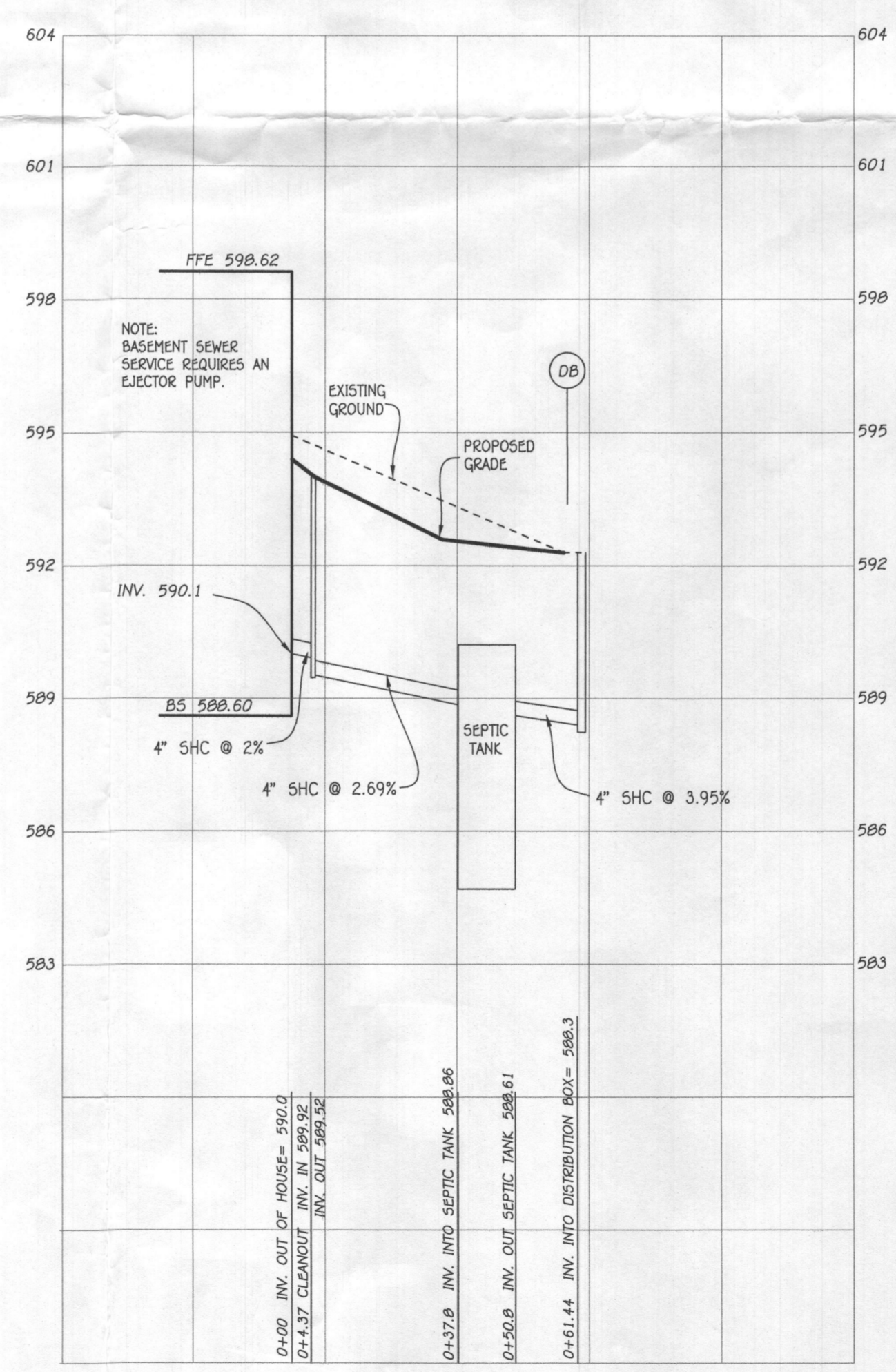
NOTE:
FOR LOT 8, NO GRAVITY SEWER
SERVICE FOR BASEMENT



BASYLON VAULT CO. 100 WINDYBROOK DRIVE NEW WINDSOR, MD 21776 (410) 944-0000	
2000 T.S W/C	
Model	
Year	
Material	



VICINITY MAP
SCALE: 1" = 1200'



SEPTIC PROFILE
SCALE: 1" = 30'

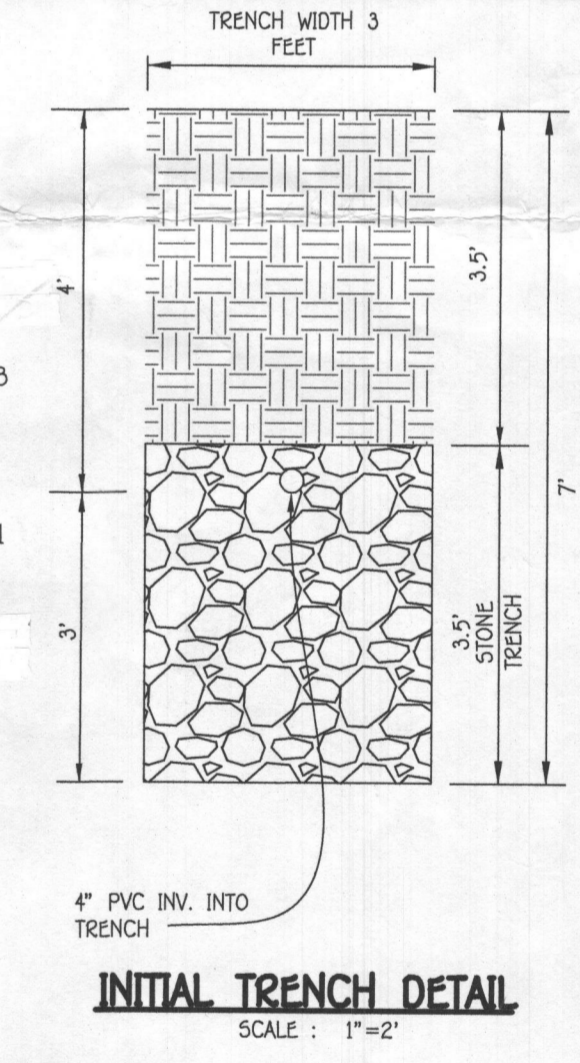
FFE 598.44
BSE 588.60
INV. OUT OF HOUSE = 590.00
PROP. GROUND AT CLEANOUT = 594.0
INV. INTO CLEANOUT = 589.92
INV. OUT OF CLEANOUT = 589.52
EX. GROUND AT SEPTIC TANK = 592.6
PROP. GRADE ABOVE SEPTIC TANK = 592.6
TOP OF SEPTIC TANK = 589.86
INV. INTO SEPTIC TANK = 588.86
INV. OUT OF SEPTIC TANK = 588.61
GROUND AT DISTRIBUTION BOX = 592.3
INV. INTO DISTRIBUTION BOX = 588.4
INV. OUT OF DISTRIBUTION BOX = 588.3

INITIAL SYSTEM
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 5 BEDROOMS (PERMIT FOR 4 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 0.8
EFFECTIVE SIDEWALL BEGINS AT 2.5 FEET
TRENCH DEPTH = 7 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 2.5 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x2.5)) = 0.56
TRENCH LENGTH = 312.5 SF x 0.56 = 175.0 FEET
(USE 2 TRENCHES AT 87.50 L.F.)
TRENCH SPACING = 20+W = ((2x2.5) + 3) = 8' USE 10'

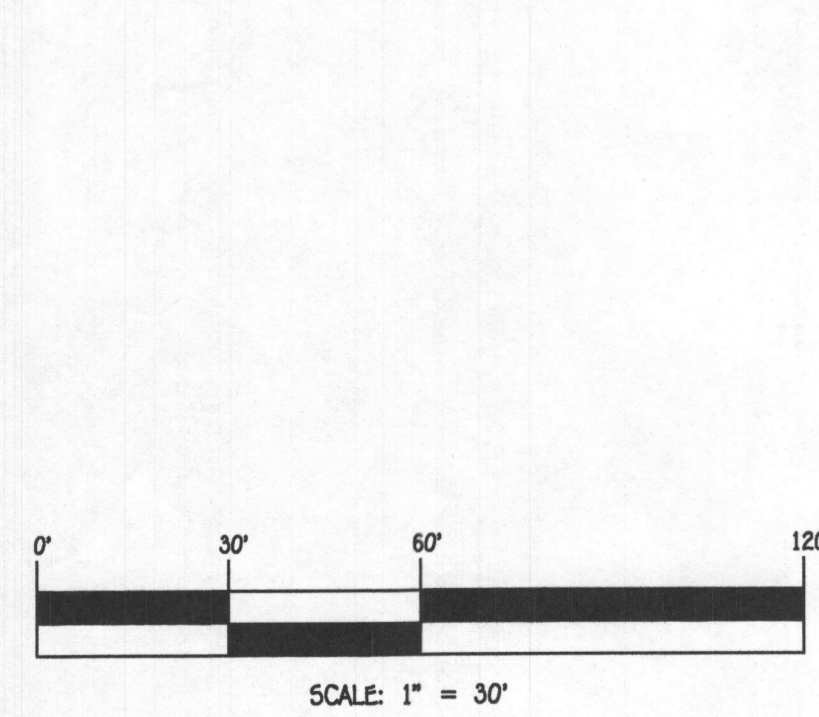
1ST REPLACEMENT SYSTEM
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 5 BEDROOMS (PERMIT FOR 4 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 0.8
EFFECTIVE SIDEWALL BEGINS AT 5 FEET
TRENCH DEPTH = 6 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 1 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x1)) = 0.833
TRENCH LENGTH = 312.5 SF x 0.833 = 260.4 FEET
(USE 3 TRENCHES AT 86.8 L.F.)
TRENCH SPACING = 20+W = ((2x1) + 3) = 5' USE 10'

2ND REPLACEMENT SYSTEM
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 5 BEDROOMS (PERMIT FOR 4 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 0.8
EFFECTIVE SIDEWALL BEGINS AT 4 FEET
TRENCH DEPTH = 7 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 3 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x3)) = 0.5
TRENCH LENGTH = 312.5 SF x 0.5 = 156.25 FEET
(USE 2 TRENCHES AT 78.125 L.F.)
TRENCH SPACING = 20+W = ((2x3) + 3) = 9' USE 10'

TRENCH DATA:
TRENCH 1:
EX. GROUND ABOVE = 592.3
INV. IN = 588.3
BOTTOM TRENCH = 585.3
TRENCH 2:
EX. GROUND ABOVE = 592.1
INV. IN = 588.1
BOTTOM TRENCH = 585.1



INITIAL TRENCH DETAIL
SCALE: 1" = 2'



SCALE: 1" = 30'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
CULLETT CITY, MARYLAND 21042
(410) 461-2999

OWNER/DEVELOPER
NY HOMES
9720 PATRIOT WOODS DRIVE
COLUMBIA, MD 21046
410-379-5956



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20748, EXPIRATION DATE: 02/22/2019.

Paul W. Kriebel
PAUL W. KRIEBEL
DATE: 04/23/18

Approved Septic System Plan
Howard County Health Department
Hank Oswald 4/23/18
Signature Date

**SEPTIC SYSTEM
INSTALLATION SITE PLAN**
LOT 8
15332 GALAXY DRIVE
FAIRLANE FARMS
PHASE ONE
ZONED: RC-DEO
TAX MAP NO.: 8 GRID NO.: 2 PARCEL NO.: 8
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: APRIL 23, 2018
SHEET 1 OF 1

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
8	15332 GALAXY DRIVE