



Building Permit Application
Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: 1/18/18
Permit No.: B18000183

Building Address: 15304 Galaxy Dr
City: Wesport State: MD Zip Code: 21797
Suite/Apt. #: _____ SDP/WP/BA #: _____
Census Tract: _____ Subdivision: Fairlane farm
Section: _____ Area: _____ Lot: 14
Tax Map: 03 Parcel: 03 Grid: 2
Zoning: _____ Map Coordinates: _____ Lot Size: 47,770 ^{sq ft}

Property Owner's Name: NVR INC
Address: 9720 PATUXENT WOODS DR
City: COLUMBIA State: MD Zip Code: 21046
Phone: 410-465-1000 Fax: _____
Email: _____

Existing Use: SFD
Proposed Use: SFD w/ propane tank
Estimated Construction Cost: \$ 3,000
Description of Work:
Install 1000 gallon underground propane tank
Occupant/Tenant Name: _____
Was tenant space previously occupied? Yes No
Contact Name: _____
Address: Owner
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Applicant's Name & Mailing Address, (if other than stated herein)
Applicant's Name: Michelle Clancy
Address: PO Box 310
City: Perry Hall State: MD Zip Code: 21128
Phone: 443-610-7514 Fax: _____
Email: Michelle@appliedandapproved.com

Contractor Company: Tech Air
Contact Person: Dennis Fraga
Address: 1560 A-D Center Center Dr
City: Bristow State: MD Zip Code: 21227
License No.: 91215
Phone: 410-984-5681 Fax: _____
Email: _____

Engineer/Architect Company: _____
Responsible Design Prof.: _____
Address: Contractor
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 st floor:	
	2 nd floor:	
Area of construction (sq. ft.):	Basement:	
	<input type="checkbox"/> Finished Basement	
Use group:	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
	<input type="checkbox"/> Slab on Grade	
Construction type:	No. of Bedrooms:	
<input type="checkbox"/> Reinforced Concrete	Multi-family Dwelling	
<input type="checkbox"/> Structural Steel	No. of efficiency units:	
<input type="checkbox"/> Masonry	No. of 1 BR units:	
<input type="checkbox"/> Wood Frame	No. of 2 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:	
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	RECEIVED JAN 18 2018 LICENSES & PERMITS DIVISION
Electric: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Gas: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Grading Permit Number:	
Building Shell Permit Number:	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Michelle Clancy
Print Name: Michelle Clancy
Email Address: Michelle@appliedandapproved.com
Date: 1/15/18
Title/Company: permits

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
PLEASE WRITE NEATLY & LEGIBLY
-FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>1/30/18</u>	<u>Ruffalo</u>

Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION

Front: _____
Rear: _____
Side: _____
Side St.: _____

All minimum setbacks met? Yes No
Is Entrance Permit Required? Yes No
Historic District? Yes No
Lot Coverage for New Town Zone: _____
SDP/Red-line approval date: _____

Filing Fee	\$
Permit Fee	\$ 100
Tech Fee	\$ 10
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$ 110.00
Sub- Total Paid	\$
Balance Due	\$
Check	# 6313

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

18SET0015



Building Permit Application

Date Received: _____

Howard County Maryland
Department: Inspections, Licenses and Permits
430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Permit No.: B17003803

Building Address: 15304 Galaxy Dr.
 City: Woodbine State: MD Zip Code: 21797
 Suite/Apt. #: _____ SDP/WP/BA #: GP-17-81
 Census Tract: _____ Subdivision: Fairlane Farm
 Section: _____ Area: _____ Lot: 14
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: _____
 Existing Use: Vacant lot
 Proposed Use: Single family home
 Estimated Construction Cost: \$ 230,000
 Description of Work: New 2 story "longwood" with 2 car garage, and unfinished lower level
 Occupant or Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Property Owner's Name: NVR Inc
 Address: 7780 Patent Wards Drive
 City: Calverton State: MD Zip Code: 21046
 Phone: 410-379-5956 Fax: _____
 Email: _____
 Applicant's Name & Mailing Address, (if other than stated herein)
 Applicant's Name: Decatur Building Services
 Address: PO Box 552
 City: Woodsie State: MD Zip Code: 21777
 Phone: 443-309-7792 Fax: _____
 Email: Jim@DecaturBuildingServices.com
 Contractor Company: NV Homes
 Contact Person: Taylor Paris
 Address: 9730 Patent Wards Drive
 City: Calverton State: MD Zip Code: 21046
 License No.: 56
 Phone: 410-379-5956 Fax: _____
 Email: T.Paris@NVHomes.com
 Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics

Height: _____
 No. of stories: _____
 Gross area, sq. ft./floor: _____
 Area of construction (sq. ft.): _____
 Use group: _____

Residential Building Characteristics

SF Dwelling SF Townhouse
 Depth _____ Width _____
 1st floor: _____
 2nd floor: _____
 Basement: _____
 Finished Basement
 Unfinished Basement
 Craw Space
 Slab on Grade
 Reinforced Concrete
 Structural Steel
 Masonry
 Wood Frame
 State Certified Modular
 No. of efficiency units: 4
 No. of 1 BR units: _____
 No. of 2 BR units: _____
 No. of 3 BR units: _____
 Other Structure: _____
 Dimensions: _____
 Roadside Tree Project Permit Yes No
 Roadside Tree Project Permit # _____
 Roof: _____
 State Certified Modular State Certified Modular
 Roadside Tree Project Permit # _____
 Manufactured Home Manufactured Home

Utilities

Water Supply Public Private
 Sewage Disposal Public Private
 Electric: Yes No
 Gas: Yes No
 Heating System Electric Oil
 Natural Gas Propane Gas
 Other: _____
 Sprinkler System: Yes No
 Grading Permit Number: _____
 Building Shell Permit Number: _____

RECEIVED
OCT 23 2017
LICENSES & PERMITS DIVISION

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THEREOF; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Jim Keavin
 Print Name: Jim Keavin
 Email Address: _____
 Date: 10/23/2017
 Title/Company: AGENT NV Homes

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NICELY & LEGIBLY
 FOR OFFICE USE ONLY.

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		<u>Walter Brundoff</u>
Health		

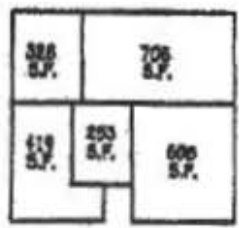
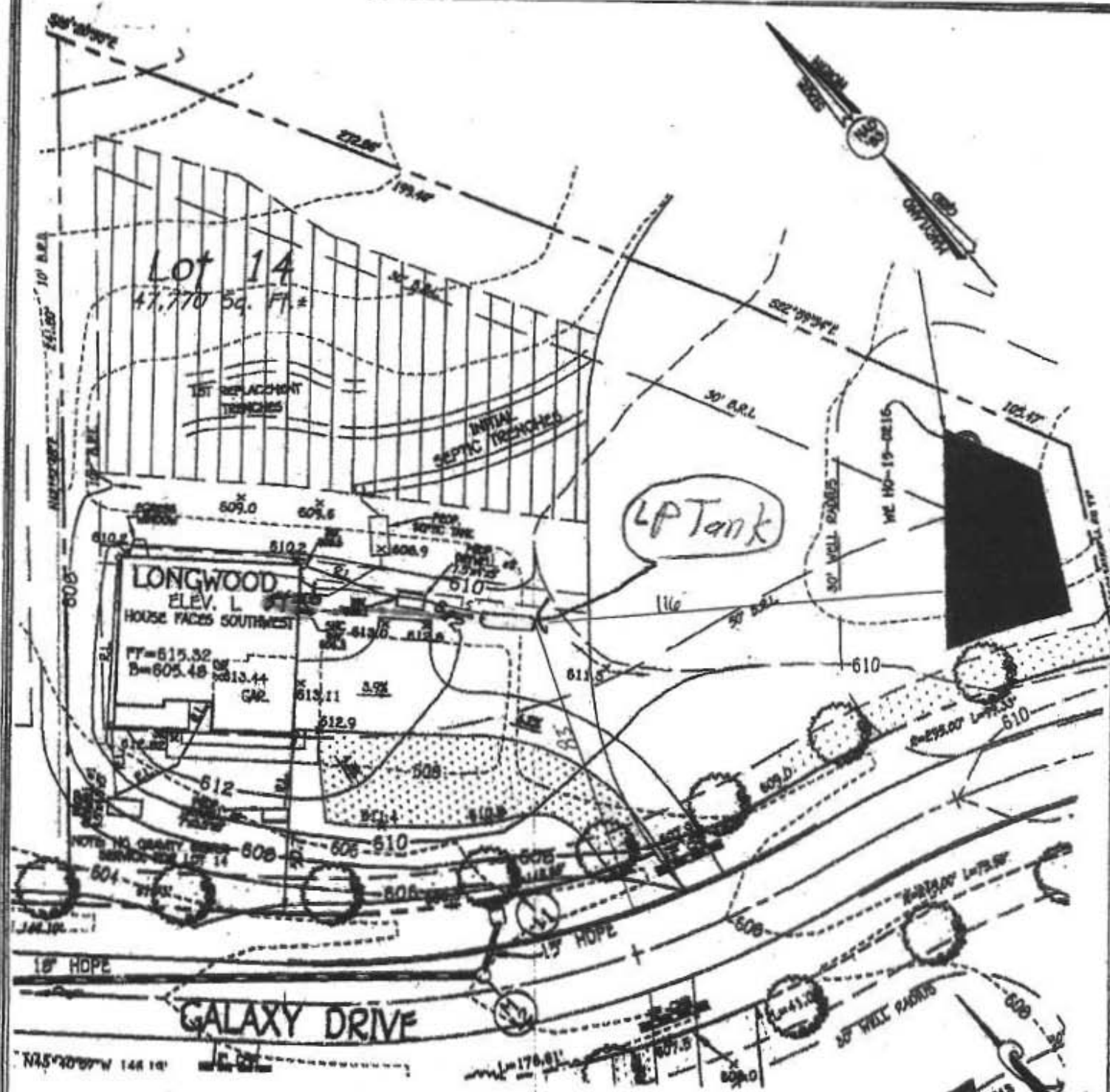
Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION

Front:	
Rear:	
Side:	
Side St.:	

All minimum setbacks met? Yes No
 Is Entrance Permit Required? Yes No
 Historic District? Yes No
 Lot Coverage for New Town Zone: _____
 SDP/Red-line approval date: _____

Filing Fee	\$	<u>100.00</u>
Permit Fee	\$	
Tech Fee	\$	
Excise Tax	\$	
PSFS	\$	
Guaranty Fund	\$	<u>50.00</u>
Add'l per Fee	\$	
Total Fees	\$	
Sub-Total Paid	\$	
Balance Due	\$	
Check	#	<u>118775</u>



DOWNSPOUT DRAINAGE AREAS
SCALE 7'-30'

OWNER/DEVELOPER
BY TRUST
9720 PARKWAY WOODS DRIVE
COLUMBIA, MD 21048
410-371-9998

NOTE: FOR LOT 14,
NO GRAVITY SEWER SERVICE
FOR BASEMENT

NOTE: THE EXISTING WELL SHOWN ON THIS PLAN, HO-15-0216, HAS
BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC.,
PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

PLAN
SCALE: 1" = 30'
1" = 40'

B18000183
Approved
1/30/18
RJE

STORMWATER MANAGEMENT NOTES:
STORMWATER MANAGEMENT FOR LOT 14 IS
BEING PROVIDED BY A COMBINATION OF
NON-ROOFTOP DISCONNECTION (N-2) FOR
THE DRIVEWAY AREA AND 3 DOWELLS
(N-2) FOR TREATMENT OF THE PROPOSED
HOUSE ROOFTOP AREA.

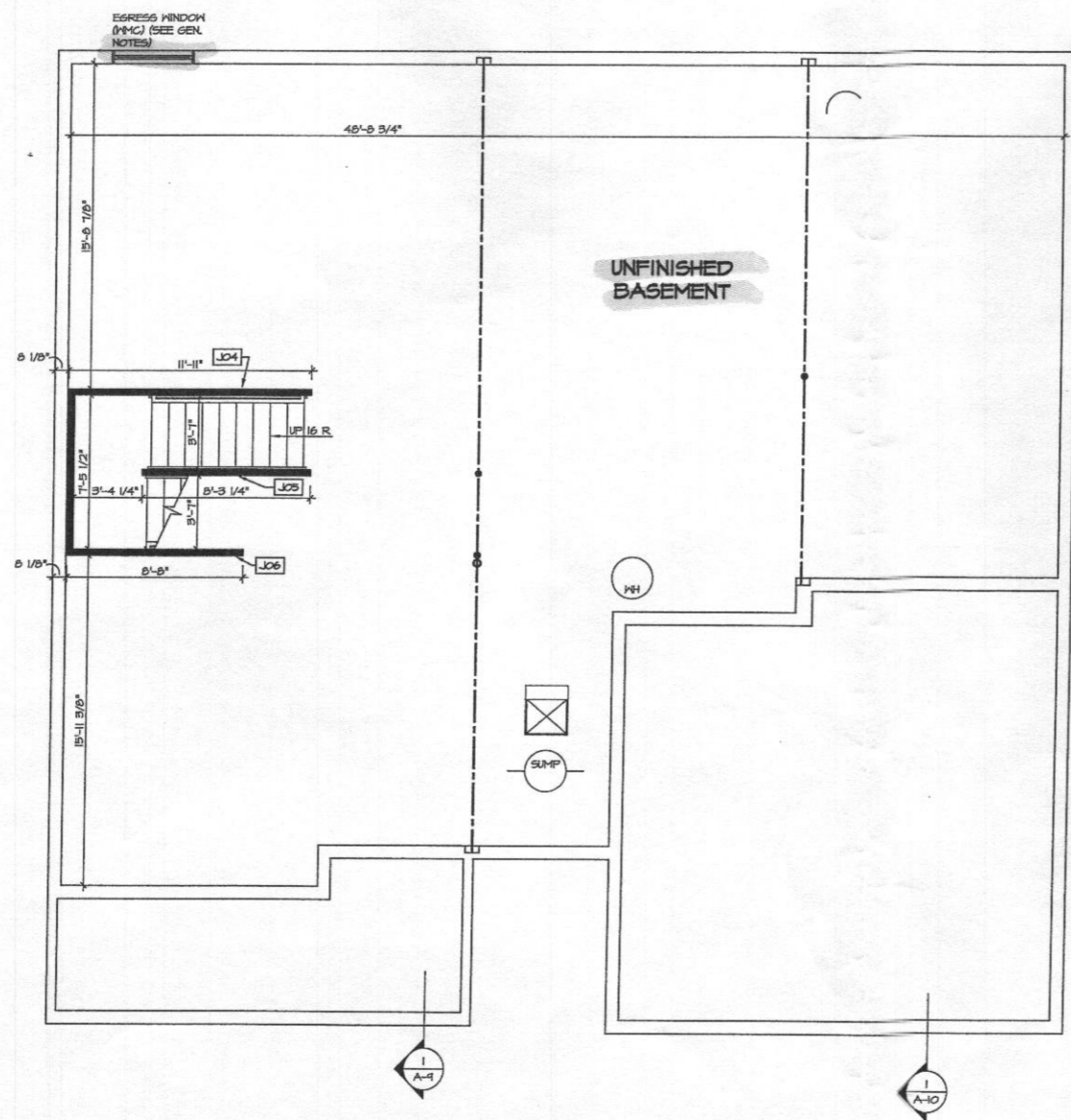
PERMIT SITE PLAN
LOT 14
15304 GALAXY DRIVE
FAIRLANE FARMS

PHASE ONE
ZONED: RC-DED
TAX MAP NO.: 8 GRID NO.: 2 PARCEL NO.: 8
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=30' DATE: OCT. 17, 2017
SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC.
C&E ENGINEERS, CONSULTANTS & LAND SURVEYORS
10000 WOODBURN DRIVE, SUITE 100, WOODBURN, MD 21797
(301) 441-8800

[Handwritten signature]
u/17/18

APPROVED FOR CONSTRUCTION



BASEMENT FLOOR PLAN
SCALE: 1/4" = 1'-0"

- FLOOR PLAN NOTES**
1. ALL HEADERS ARE (2) 2x6 W/ 2x4 WALLS OR (3) 2x6 W/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
 2. ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK EACH END, UNLESS OTHERWISE NOTED.
 3. ALL EXTERIOR WALLS TO BE 4" AND ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
 4. HATCHED AREAS INDICATE DROPPED CEILINGS. ALL DROPPED CEILINGS ARE 12" UNLESS OTHERWISE NOTED. SEE "BRACED WALL PANEL DETAIL SHEET" FOR SPECIAL WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
 5. SEE STANDARD DETAIL CATEGORY "IT" SHEETS(S) FOR INTERIOR TRIM DETAILS.
 6. SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE SPECIFIC INTERIOR TRIM OPTION TABLE.
 7. ALL WINDOWS HAVE T-O 1/2" HEADER HEIGHT UNLESS OTHERWISE NOTED.
 8. ALL CASED OPENINGS AT T-11", UNLESS OTHERWISE NOTED.

- GYPSON NOTES**
- AT GARAGE:
5/8" DRYWALL ON COMMON WALLS, CEILINGS, AND BEARING WALLS AS REQUIRED.
- AT STAIRS:
1/2" GYPSON BOARD AT UNDERSIDE OF STAIRS AND WALLS IN CLOSET
- WITH OPTION "SGI" - DRYWALL UNFINISHED BASEMENT CEILING AREA

- NOTES:**
- 1/2" GYPSON WALL BOARD REQUIRED ON CEILING IN UNFINISHED AREAS WHEN NO SPRINKLER SYSTEM IS INSTALLED.
 - A MAXIMUM AREA OF 20 SQ FT MAY BE OMITTED AS NEEDED FOR INSTALLATION OF PLUMBING, ELECTRICAL, AND/OR HVAC (TYPICALLY AN 8'-0" x 8'-0" CEILING SPACE ABOVE MECHANICAL AREA).
 - PROVIDE FIRE BLOCKING AS REQUIRED AT PERIMETER OF ANY AREAS WHERE DRYWALL HAS BEEN OMITTED.

LEGEND

	BEARING WALL
	NON BEARING WALL
	INDICATES BEARING FROM POINT-LOAD ABOVE
	JACKS
	BEAM/HEADER
	PAD FOOTING
	STEEL COLUMN
	PORTAL FRAME
	JOIST/TRUSS
	LVL
	ENGINEERING PAGE NUMBER

SEE FC DETAILS FOR FRAMING CONNECTORS

BASEMENT JACK SCHEDULE

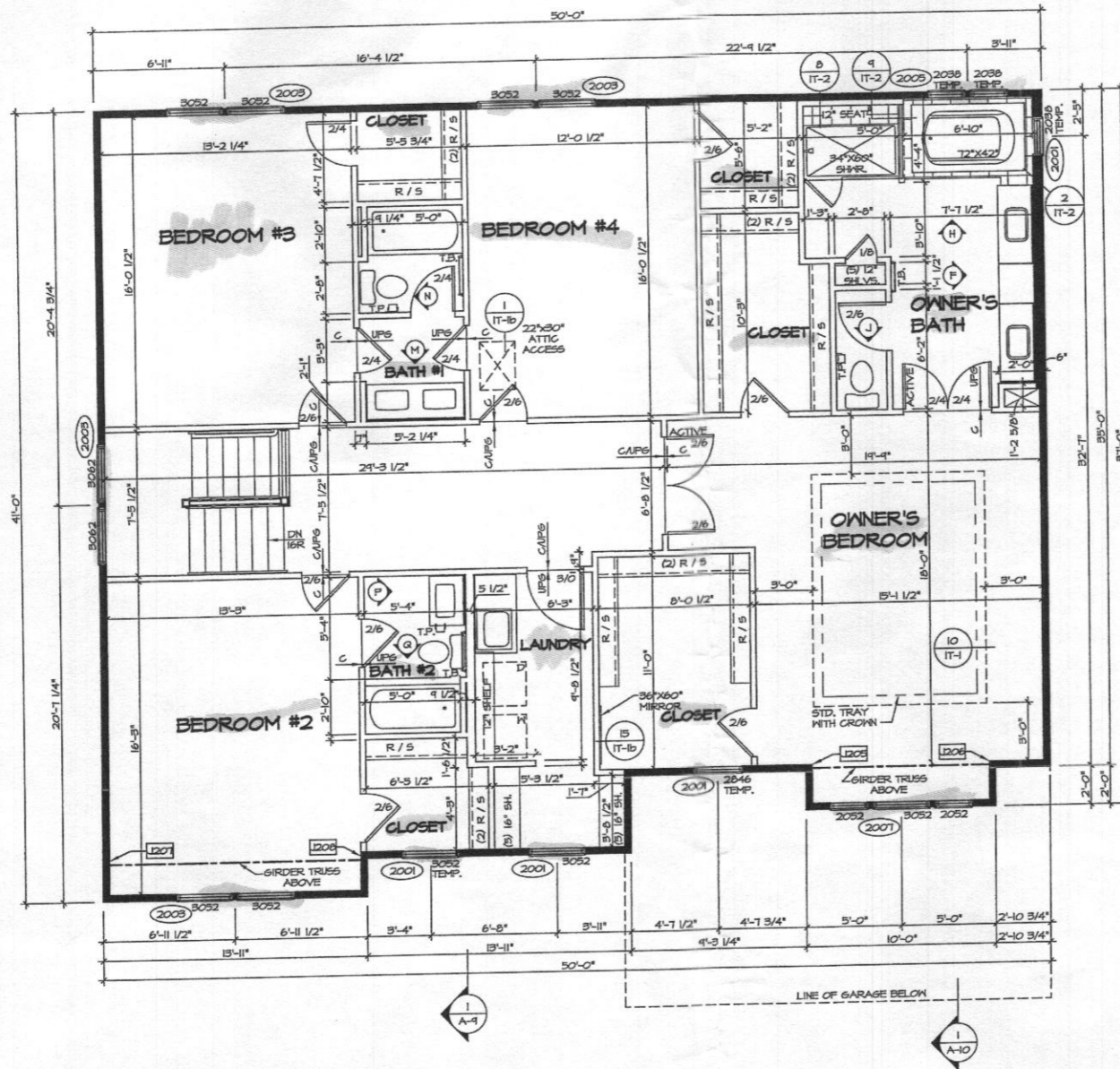
IDENTIFIER	DESCRIPTION	OPTIONS	ENS. NIM.	REMARKS
J04	JACK - (2) 2X4 SFF STUD GRADE	MEC	BO020	
J05	JACK - (4) 2X4 SFF STUD GRADE	MEC	BO016, BO019	
J06	JACK - (2) 2X4 SFF STUD GRADE	MEC	BO016	

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SET NO. 14000	VERSION 01
DRAWN BY NGB	DATE:
OPTION	OPTION

SHEET NO. **A-6**
DRAWING TITLE **BASEMENT FLOOR PLAN**
OPTION DESCRIPTION
22



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

- FLOOR PLAN NOTES**
- ALL HEADERS ARE (2) 2x6 W/ 2x4 HALLS OR (3) 2x6 W/ 2x6 HALLS, UNLESS OTHERWISE NOTED.
 - ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK EACH END, UNLESS OTHERWISE NOTED.
 - ALL EXTERIOR WALLS TO BE 4" AND ALL INTERIOR WALLS TO BE 5 1/2", UNLESS OTHERWISE NOTED.
 - HATCHED AREAS INDICATE DROPPED CEILINGS. ALL DROPPED CEILINGS ARE 12" UNLESS OTHERWISE NOTED.
 - SEE "BRACED WALL PANEL DETAIL SHEET" FOR SPECIAL WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
 - SEE STANDARD DETAIL CATEGORY "IT" SHEETS FOR INTERIOR TRIM DETAILS.
 - SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE SPECIFIC INTERIOR TRIM OPTION TABLE.
 - ALL WINDOWS HAVE 7'-0 1/2" HEADER HEIGHT UNLESS OTHERWISE NOTED.
 - ALL CASED OPENINGS AT 7'-11", UNLESS OTHERWISE NOTED.

GYPSUM NOTES

AT GARAGE:
5/8" DRYWALL ON COMMON WALLS, CEILINGS, AND BEARING WALLS AS REQUIRED.

AT STAIRS:
1/2" GYPSUM BOARD AT UNDERSIDE OF STAIRS AND HALLS IN CLOSET

LEGEND

- BEARING WALL
- NON BEARING WALL
- INDICATES BEARING FROM POINT-LOAD ABOVE
- JACKS
- BEAM-HEADER
- PAD FOOTING
- STEEL COLUMN
- PORTAL FRAME
- JOIST/TRUSS
- LVL
- ENGINEERING PAGE NUMBER

SEE FC DETAILS FOR FRAMING CONNECTORS

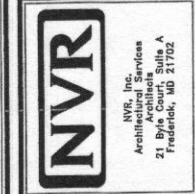
SECOND FLOOR JACK SCHEDULE

IDENTIFIER	DESCRIPTION	OPTIONS	ENG. NUM.	REMARKS
J205	JACK - (3) 2X4 SPP STUD GRADE	ELL	2008	
J206	JACK - (3) 2X4 SPP STUD GRADE	ELL	2008	EXTEND THRU TOP PLATE
J207	JACK - (3) 2X4 SPP	ELL	2008	EXTEND THRU TOP PLATE
J208	JACK - (3) 2X4 SPP	ELL	2008	EXTEND THRU TOP PLATE

REVISIONS

REV. NO.	DATE	DESCRIPTION

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SET NO: 14000	VERSION: 01
DRAWN BY: CAP	DATE:
OPTION DESCRIPTION	OPTION
MODEL: LONGWOOD	DRAWING TITLE: SECOND FLOOR PLAN
A-8	26

439 East Main Street
Westminster, MD 21157-5539



(410) 848-1790 • (301) 662-1799
FAX (410) 848-1791

Transmit To:

Bureau of Environmental Health
Howard County Health Department
8930 Stanford Boulevard
Columbia, MD 21046

Project Info:

GATEWOOD PROPERTY
Brighton Dam Road
Siver Spring, MD

Project No: 2017160

Date: Nov 15, 2017

We are Transmitting:

- | | | | | | |
|---|--|---|--|---|--------------------------|
| <input checked="" type="checkbox"/> Here with | <input type="checkbox"/> Originals | <input type="checkbox"/> Computer Media | <input type="checkbox"/> Shop Drawings | <input checked="" type="checkbox"/> Via Overnight | <input type="checkbox"/> |
| <input type="checkbox"/> Our | <input checked="" type="checkbox"/> Prints | <input type="checkbox"/> Project Manuals | <input type="checkbox"/> Payment Cert. | <input type="checkbox"/> Express Mail | <input type="checkbox"/> |
| <input type="checkbox"/> Your | <input type="checkbox"/> Copies | <input type="checkbox"/> Product Literature | <input type="checkbox"/> Change Order | <input type="checkbox"/> 1st Class Mail | <input type="checkbox"/> |

Sets	Type	Dwg No	Dated	Description
3	D Size Bond Copies		11/15/2017	Perc Cert Plan

- | | | | | |
|---------------------------------------|--|--------------------------------------|---------------------------------------|--------------------------|
| <input type="checkbox"/> As Requested | <input checked="" type="checkbox"/> For Your Use | <input type="checkbox"/> For Filing | <input type="checkbox"/> For Approval | <input type="checkbox"/> |
| <input type="checkbox"/> As Required | <input type="checkbox"/> For Your Review | <input type="checkbox"/> For Bidding | <input type="checkbox"/> As Discussed | <input type="checkbox"/> |

Remarks:

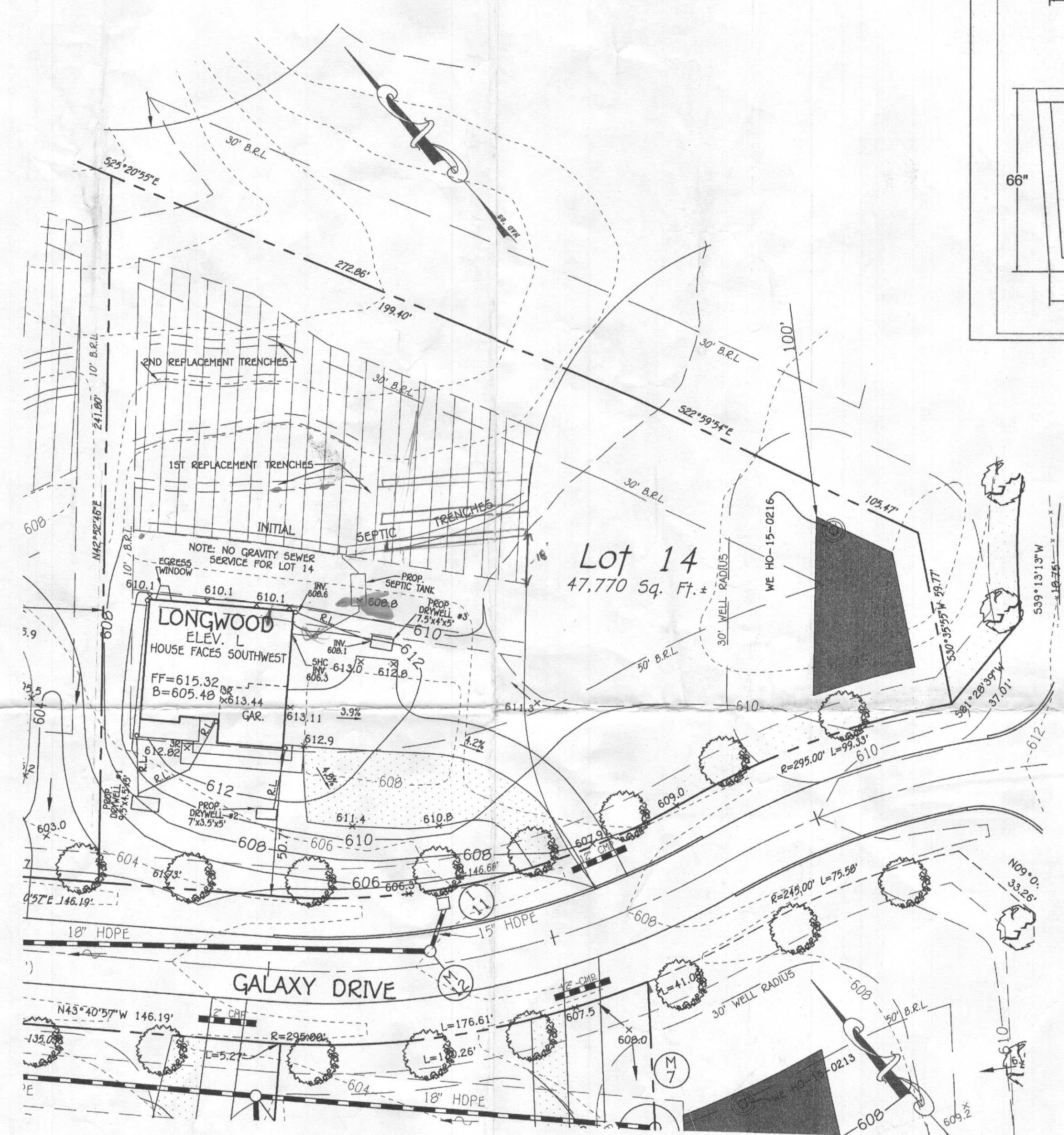
Empty box for remarks.

If enclosures are not as noted,
please notify us immediately.

Copy To _____

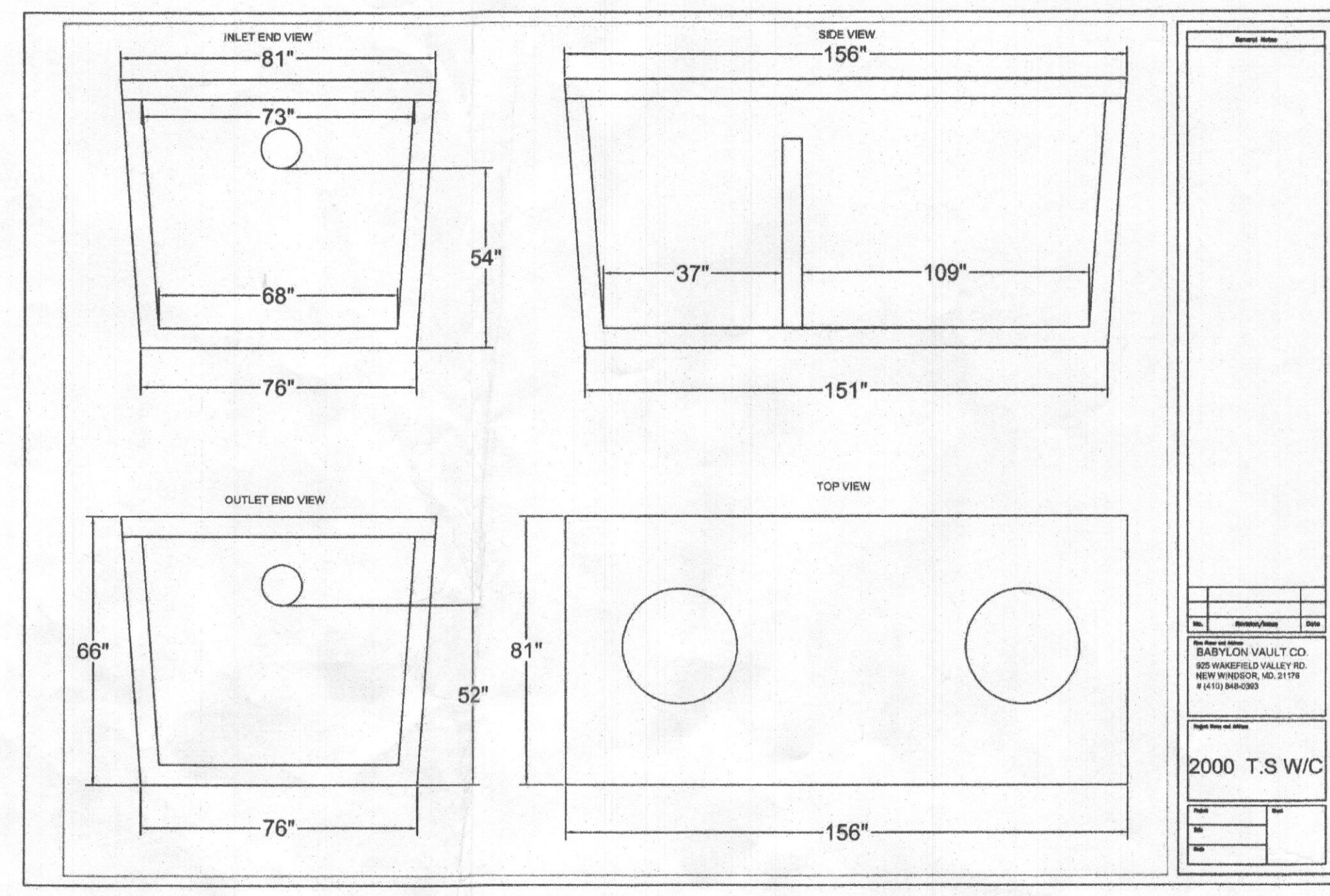
Linda D. Alexander

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

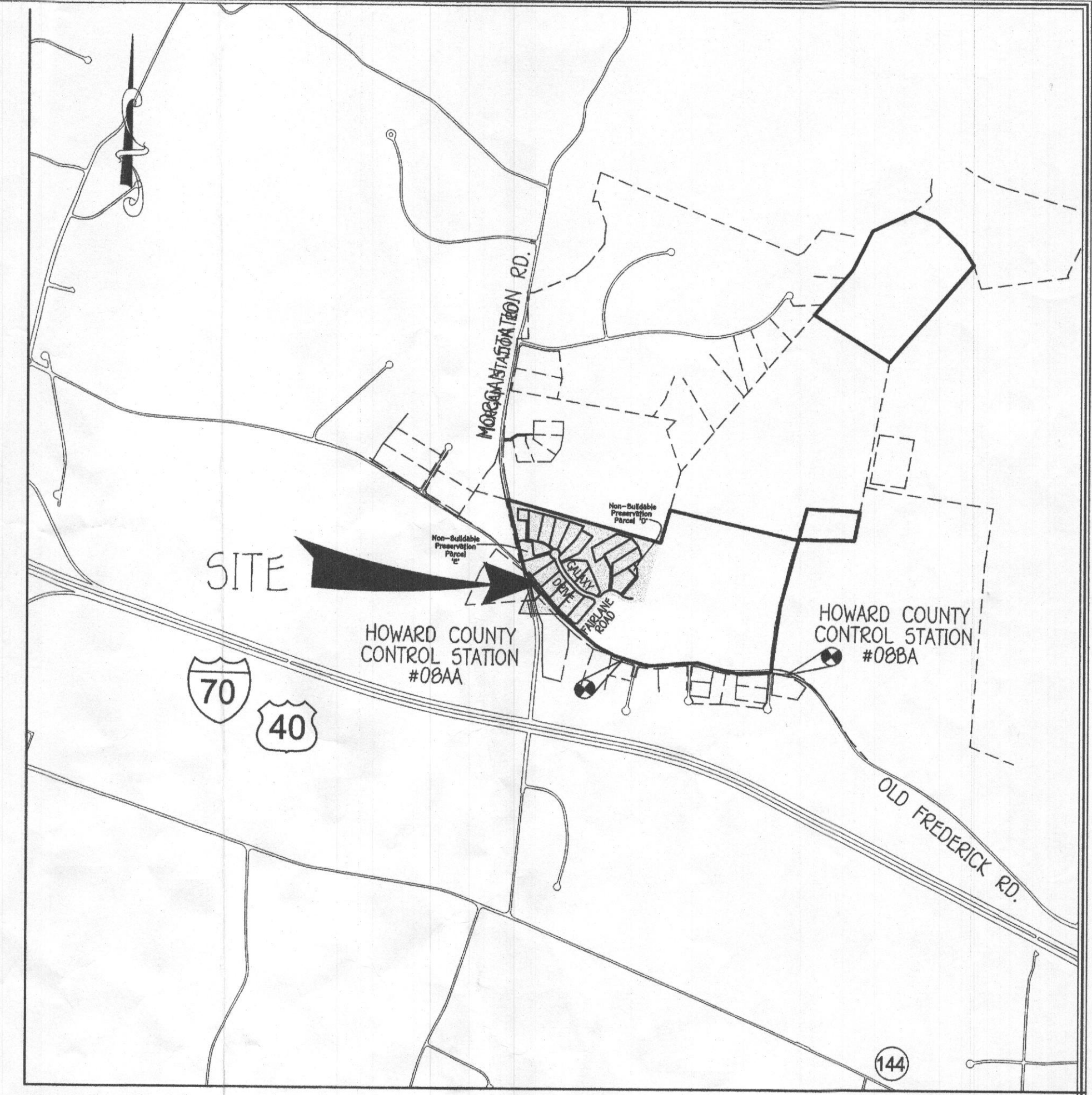


PLAN
SCALE: 1" = 30'

NOTE:
FOR LOT 14, NO GRAVITY SEWER SERVICE FOR BASEMENT



BABYLON VAULT CO. 200 WASHINGTON RD. NEW WINDSOR, MD 21776 #411516000	
Project No.	2000 T.S/WC
Date	
Scale	

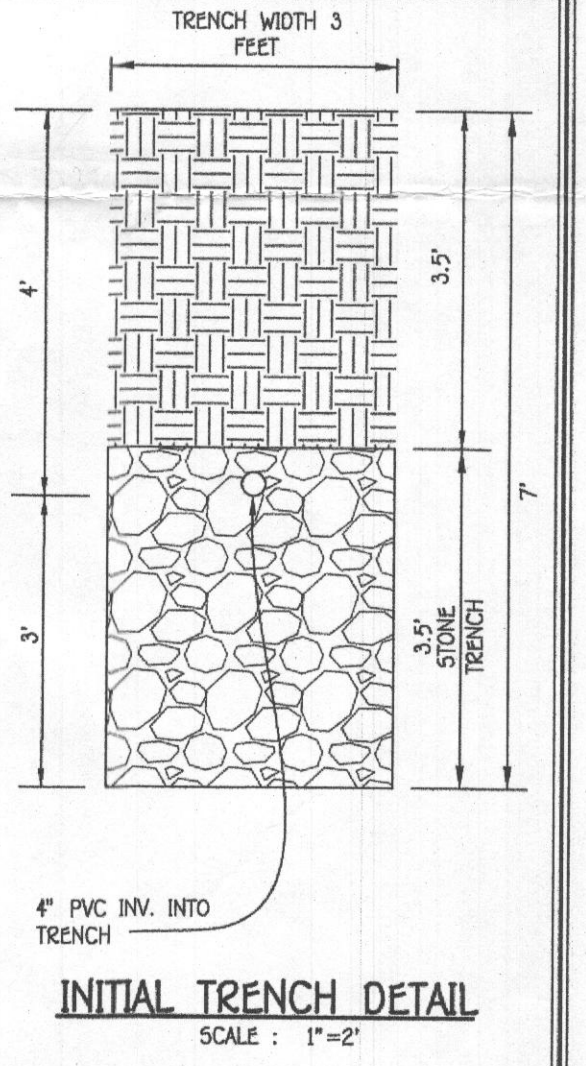


VICINITY MAP
SCALE: 1" = 1200'

FFE 615.32
BSE 605.48
INV. OUT OF HOUSE = 606.3
PROP. GROUND AT CLEANOUT = 612.1
INV. INTO CLEANOUT = 606.15
INV. OUT OF CLEANOUT = 606.05
EX. GROUND AT SEPTIC TANK = 608.0
PROP. GRADE ABOVE SEPTIC TANK = 608.8
TOP OF SEPTIC TANK = 606.30
INV. INTO SEPTIC TANK = 605.30
INV. OUT OF SEPTIC TANK = 605.05
GROUND AT DISTRIBUTION BOX = 608.6
INV. INTO DISTRIBUTION BOX = 604.7

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 = 0 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 4 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = $(W+2)/(W+1+2D) = (3+2)/(3+1+(2 \times 4)) = 0.42$
TRENCH LENGTH = 937.5 SF x 0.42 = 131.3 FEET
(USE 2 TRENCHES AT 65.7 L.F.)
TRENCH SPACING = $2D+W = ((2 \times 2.5) + 3) = 8'$ USE 10'

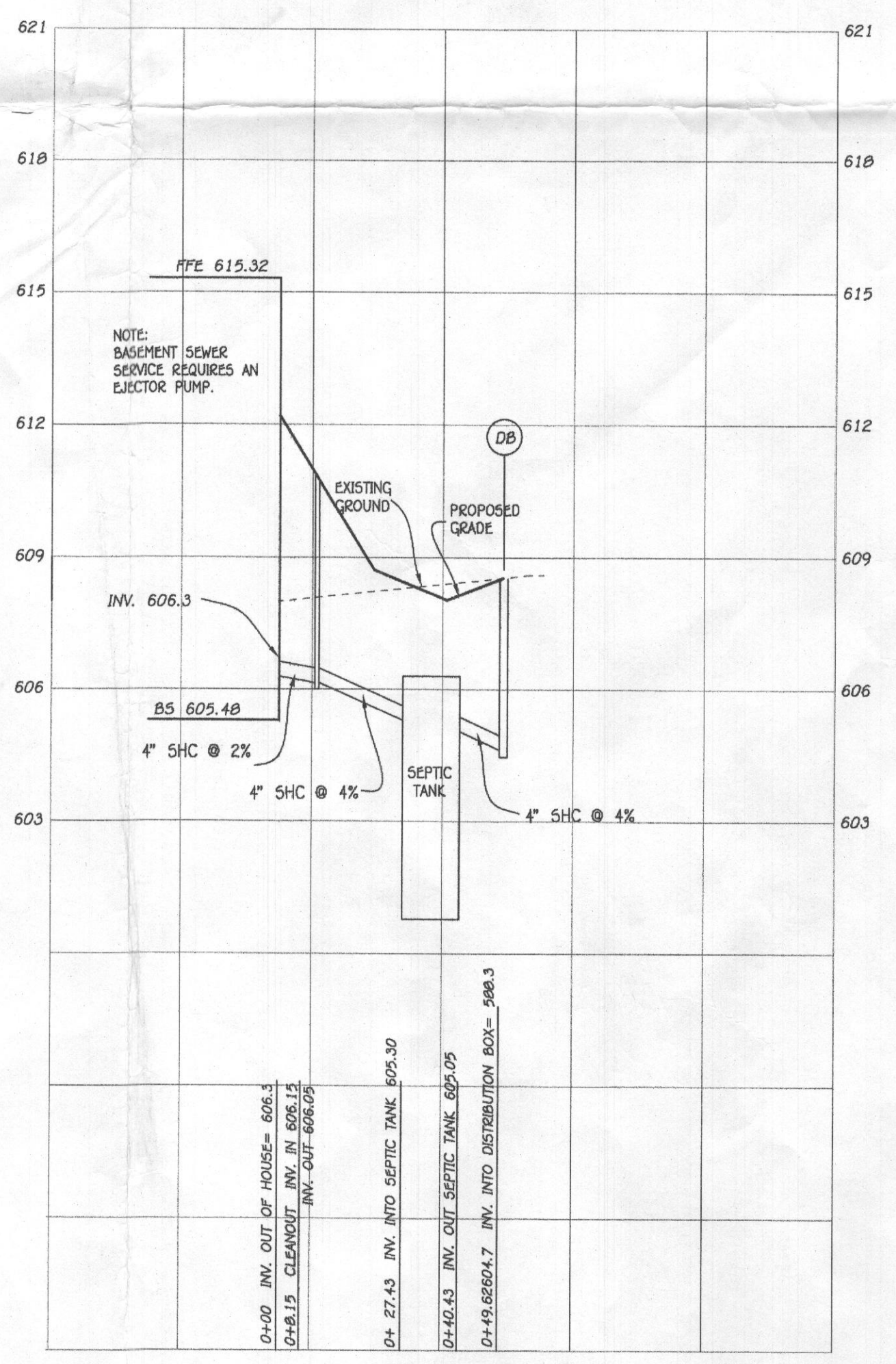
INITIAL TRENCH DATA:
TRENCH 1:
EX. GROUND ABOVE = 608.6
INV. IN = 604.6
BOTTOM TRENCH = 600.6
TRENCH 2:
EX. GROUND ABOVE = 608.6
INV. IN = 604.6
BOTTOM TRENCH = 600.6



INITIAL TRENCH DETAIL
SCALE: 1" = 2'

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 = 0 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 = $(W+2)/(W+1+2D) = (3+2)/(3+1+(2 \times 3)) = 0.5$
TRENCH LENGTH = 312.50 SF x 0.5 = 156.25 FEET
(USE 2 TRENCHES AT 78.12 L.F.)
TRENCH SPACING = $2D+W = ((2 \times 3) + 3) = 9'$ USE 10'

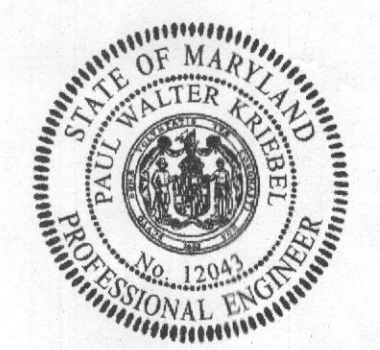
2ND REPLACEMENT SYSTEM
SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 5 BEDROOMS (PERMIT FOR 4 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 1.2
EFFECTIVE SIDEWALL BEGINS AT 4 FEET
TRENCH DEPTH = 0 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 4 FEET
SF OF DRAINFIELD = 750 GPD / 1.2 = 625 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = $(W+2)/(W+1+2D) = (3+2)/(3+1+(2 \times 4)) = 0.41$
TRENCH LENGTH = 208.33 SF x 0.41 = 86.88 FEET
(USE 2 TRENCHES AT 43.44 L.F.)
TRENCH SPACING = $2D+W = ((2 \times 4) + 3) = 9'$ USE 10'



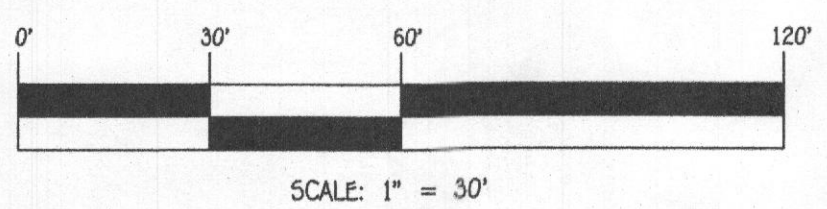
SEPTIC PROFILE
SCALE: 1" = 30'

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
11/13/17
DATE



OWNER/DEVELOPER
NW HOMES
9720 PATUXENT WOODS DRIVE
COLUMBIA, MD 21046
410-379-5956



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 15272 BALTIMORE NATIONAL PIKE
ELKTON CITY, MARYLAND 21042
(410) 461-2995

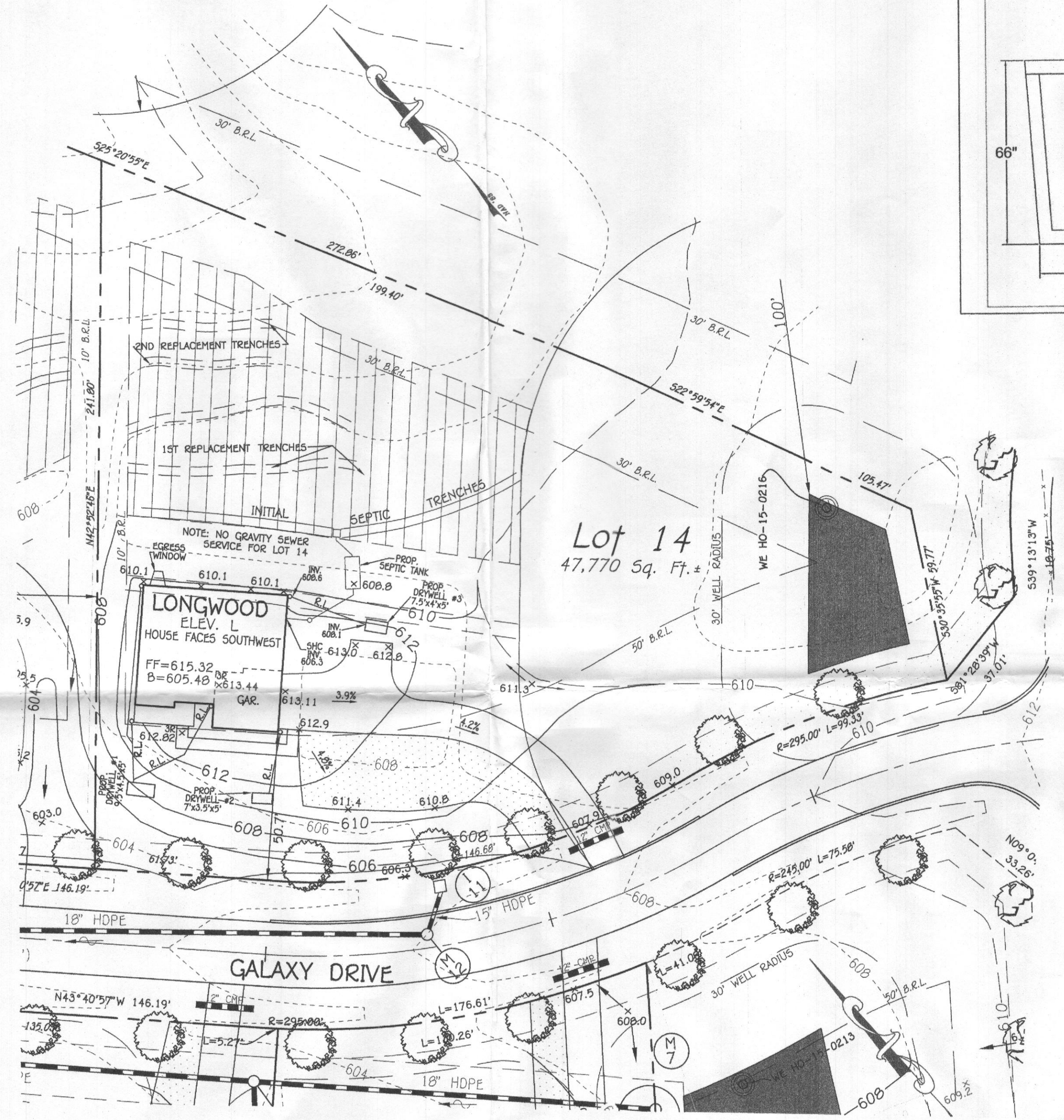
Approved Septic System Plan
Howard County Health Department
Aburad 11-28-17
Signature Date
B31700 3803
5 Bedrooms only

**SEPTIC SYSTEM
INSTALLATION SITE PLAN**
LOT 14
15304 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: NOV. 13, 2017
SHEET 1 OF 1

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
14	15304 GALAXY DRIVE

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

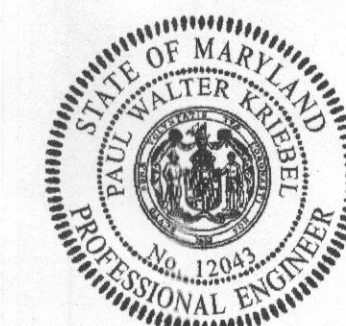


PLAN
SCALE: 1" = 30'

NOTE:
FOR LOT 14, NO GRAVITY SEWER SERVICE FOR BASEMENT

PROFESSIONAL CERTIFICATION

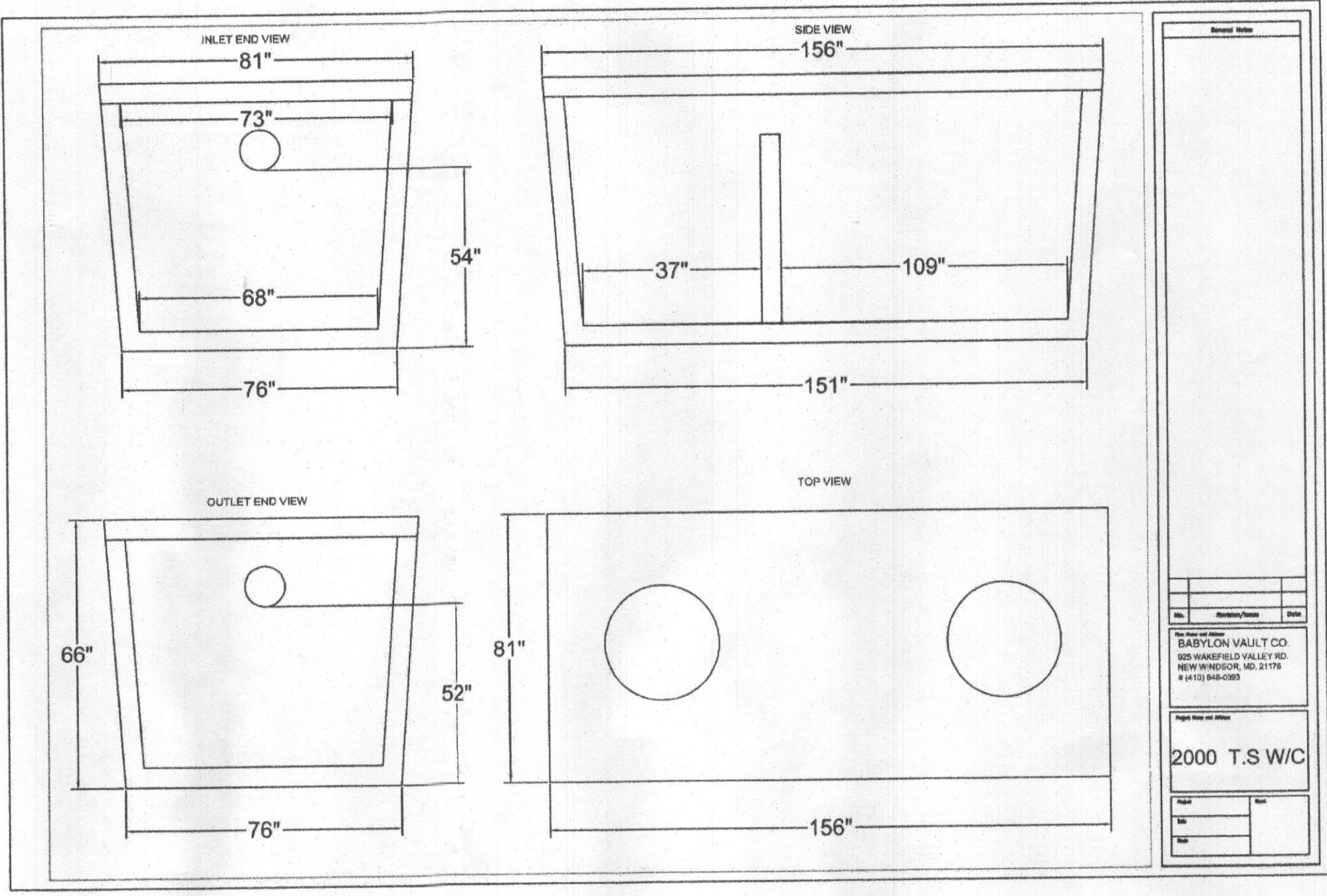
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22748, EXPIRATION DATE: 02/22/2019.



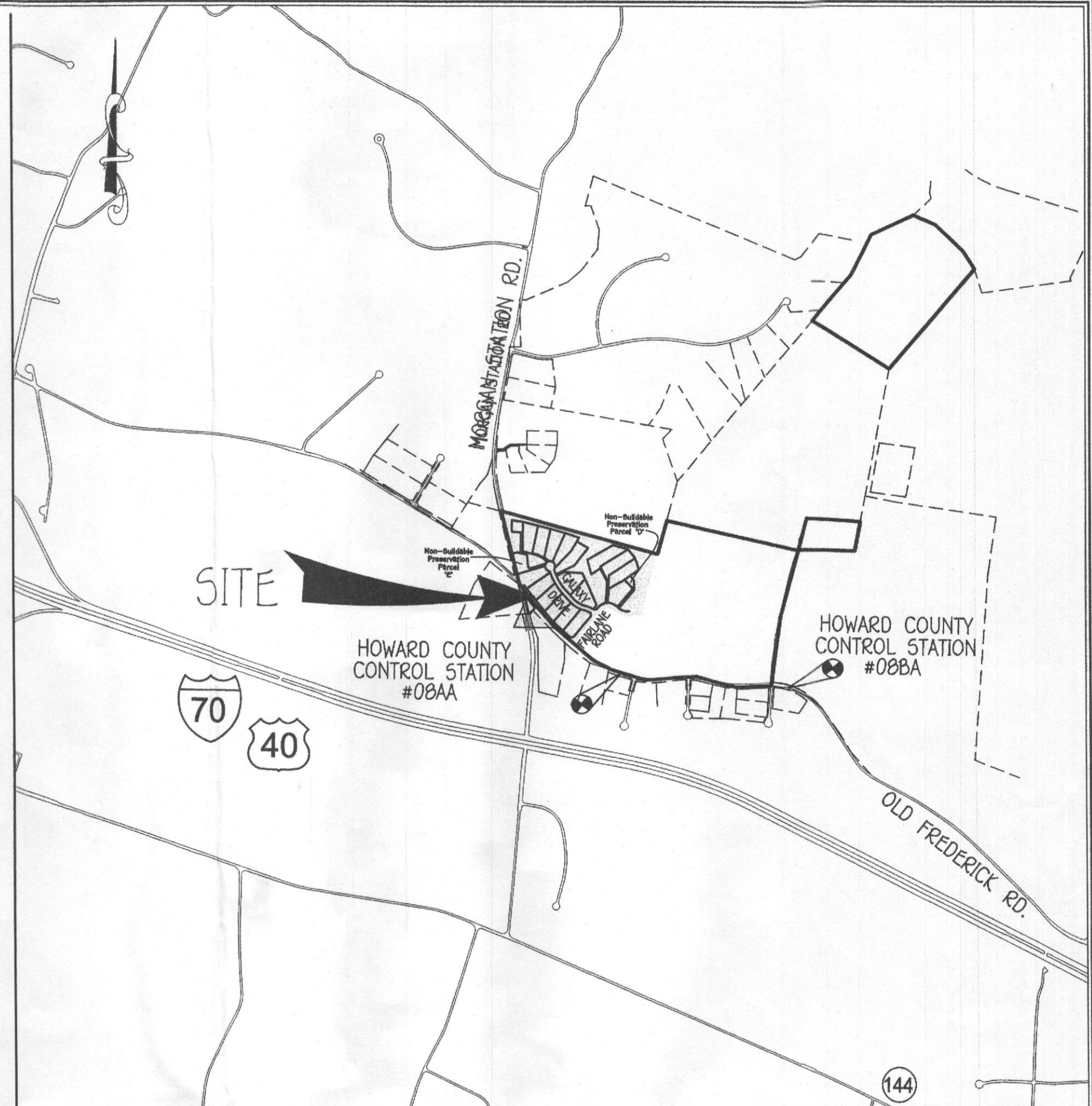
Paul W. Kriebel
DATE: 11/13/17

OWNER/DEVELOPER
NV HOMES
9720 PATUXENT WOODS DRIVE
COLUMBIA, MD 21046
410-379-5956

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PARK
ELKTON CITY, MARYLAND 21042
410-461-1995



Project Name	2000 T.S.W.C
Client	
Address	
City	
State	
Zip	
Scale	
Date	



VICINITY MAP
SCALE: 1" = 1200'

FFE 615.32
BSE 605.40
INV. OUT OF HOUSE = 606.3
PROP. GROUND AT CLEANOUT = 612.1
INV. INTO CLEANOUT = 606.15
INV. OUT OF CLEANOUT = 606.05
EX. GROUND AT SEPTIC TANK = 608.0
PROP. GRADE ABOVE SEPTIC TANK = 608.0
TOP OF SEPTIC TANK = 606.30
INV. INTO SEPTIC TANK = 605.30
INV. OUT OF SEPTIC TANK = 605.05
GROUND AT DISTRIBUTION BOX = 608.6
INV. INTO DISTRIBUTION BOX = 604.7

INITIAL SYSTEM

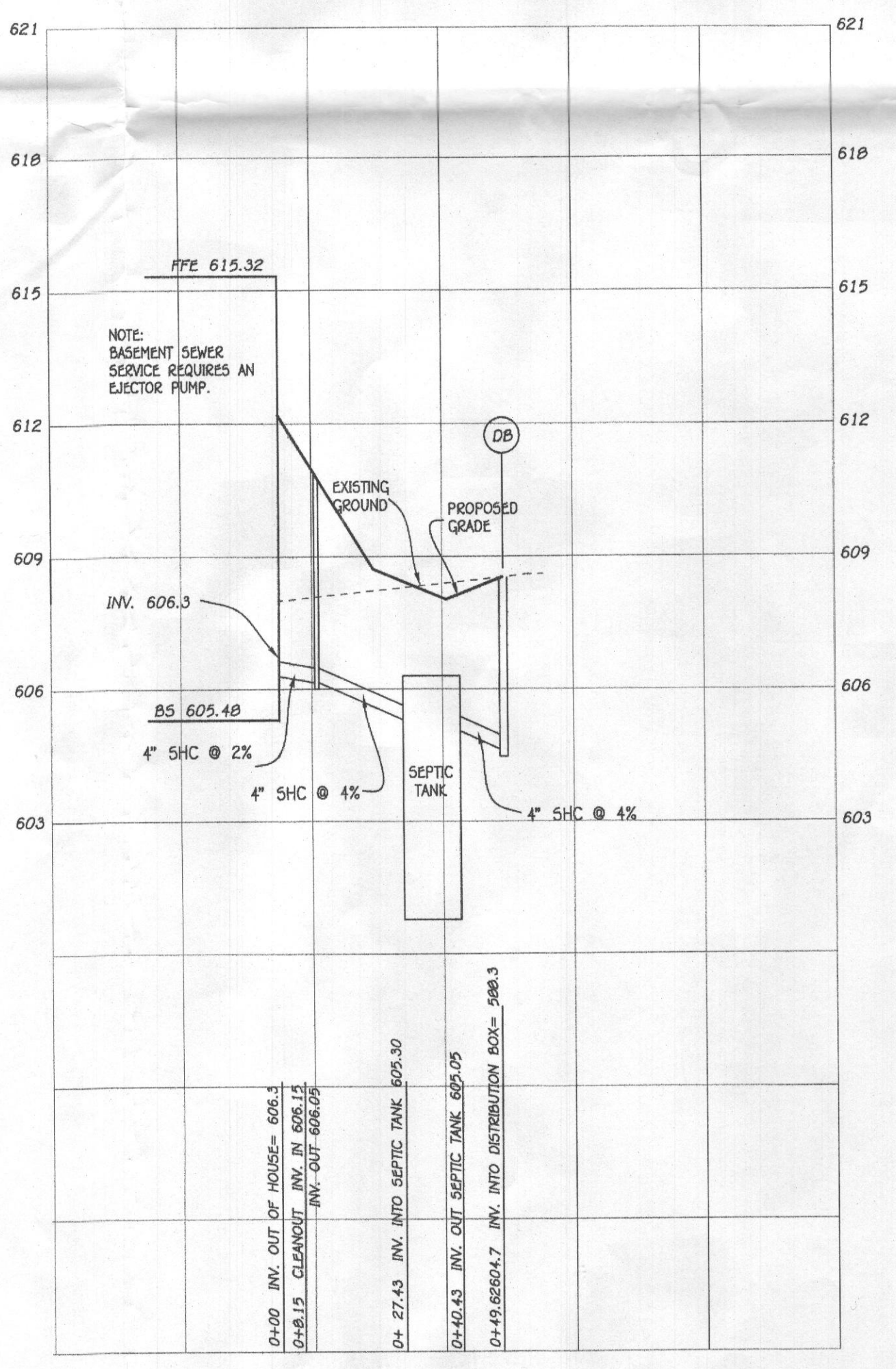
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 5 BEDROOMS (PERMIT FOR 4 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 0.8
EFFECTIVE SIDEWALL BEGINS AT 2.5 FEET
TRENCH DEPTH = 8 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 4 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x5)) = 0.42
TRENCH LENGTH = 937.5 SF x 0.42 = 131.3 FEET (USE 2 TRENCHES AT 65.7 L.F.)
TRENCH SPACING = 2D+W = ((2x5) + 3) = 8' USE 10'

1ST REPLACEMENT SYSTEM

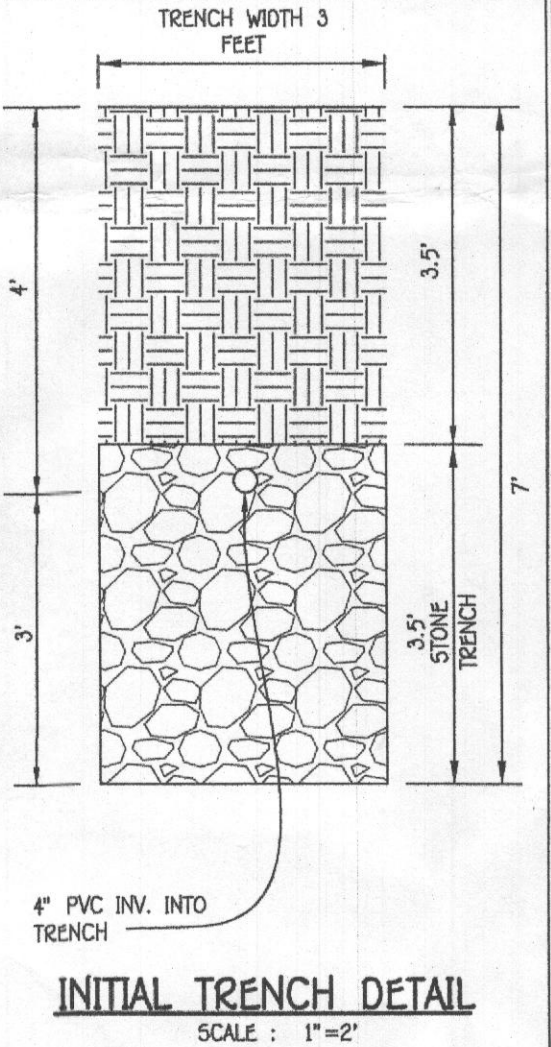
SEWAGE DISPOSAL SYSTEM DATA, DESIGN FOR 5 BEDROOMS (PERMIT FOR 4 BEDROOMS)
LOADING RATE = 5 BEDROOMS X 150 GPD/BEDROOM = 750 GPD
APPLICATION RATE = 0.8
EFFECTIVE SIDEWALL BEGINS AT 5 FEET
TRENCH DEPTH = 8 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 3 FEET
SF OF DRAINFIELD = 750 GPD / 0.8 = 937.5 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 78.12 L.F.)
TRENCH SPACING = 2D+W = ((2x3) + 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 = 1.2
EFFECTIVE SIDEWALL BEGINS AT 4 FEET
TRENCH DEPTH = 8 FEET
TRENCH WIDTH (W) = 3 FEET
EFFECTIVE DEPTH (D) = 4 FEET
SF OF DRAINFIELD = 750 GPD / 1.2 = 625 SF
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+(2x3)) = 0.41
TRENCH LENGTH = 208.33 SF x 0.42 = 86.80 FEET (USE 2 TRENCHES AT 43.4 L.F.)
TRENCH SPACING = 2D+W = ((2x3) + 3) = 9' USE 10'



SEPTIC PROFILE
SCALE: 1" = 30'



INITIAL TRENCH DETAIL
SCALE: 1" = 2'

Approved Septic System Plan
Howard County Health Department
Dana Beard 11-28-17
Signature Date
B31003803
Approve for 5BR only
SEPTIC SYSTEM
INSTALLATION SITE PLAN

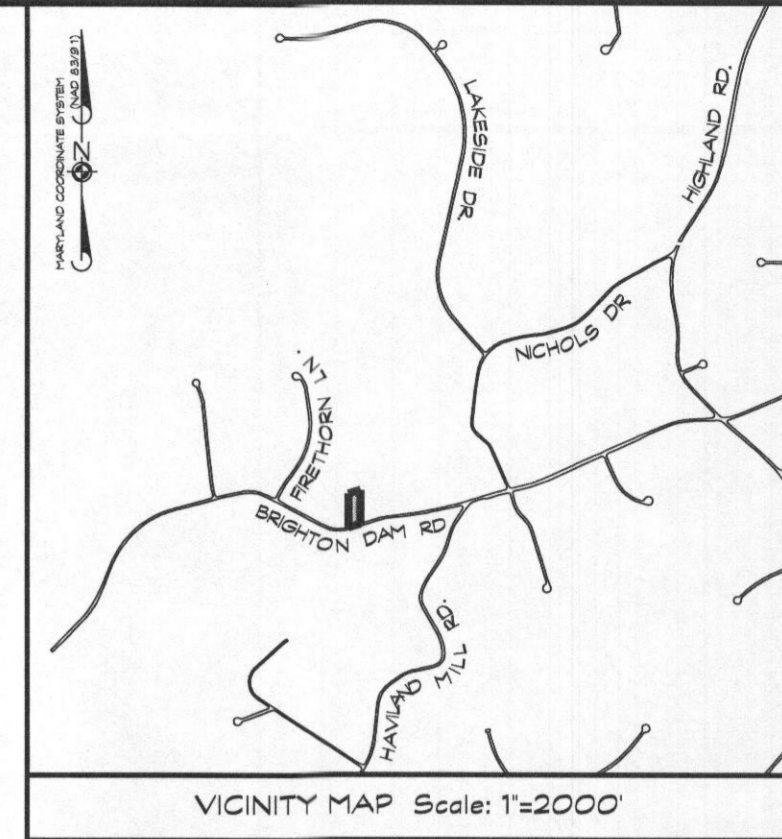
LOT 14
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FAIRLANE FARMS

PHASE ONE
ZONED: RC-DEO

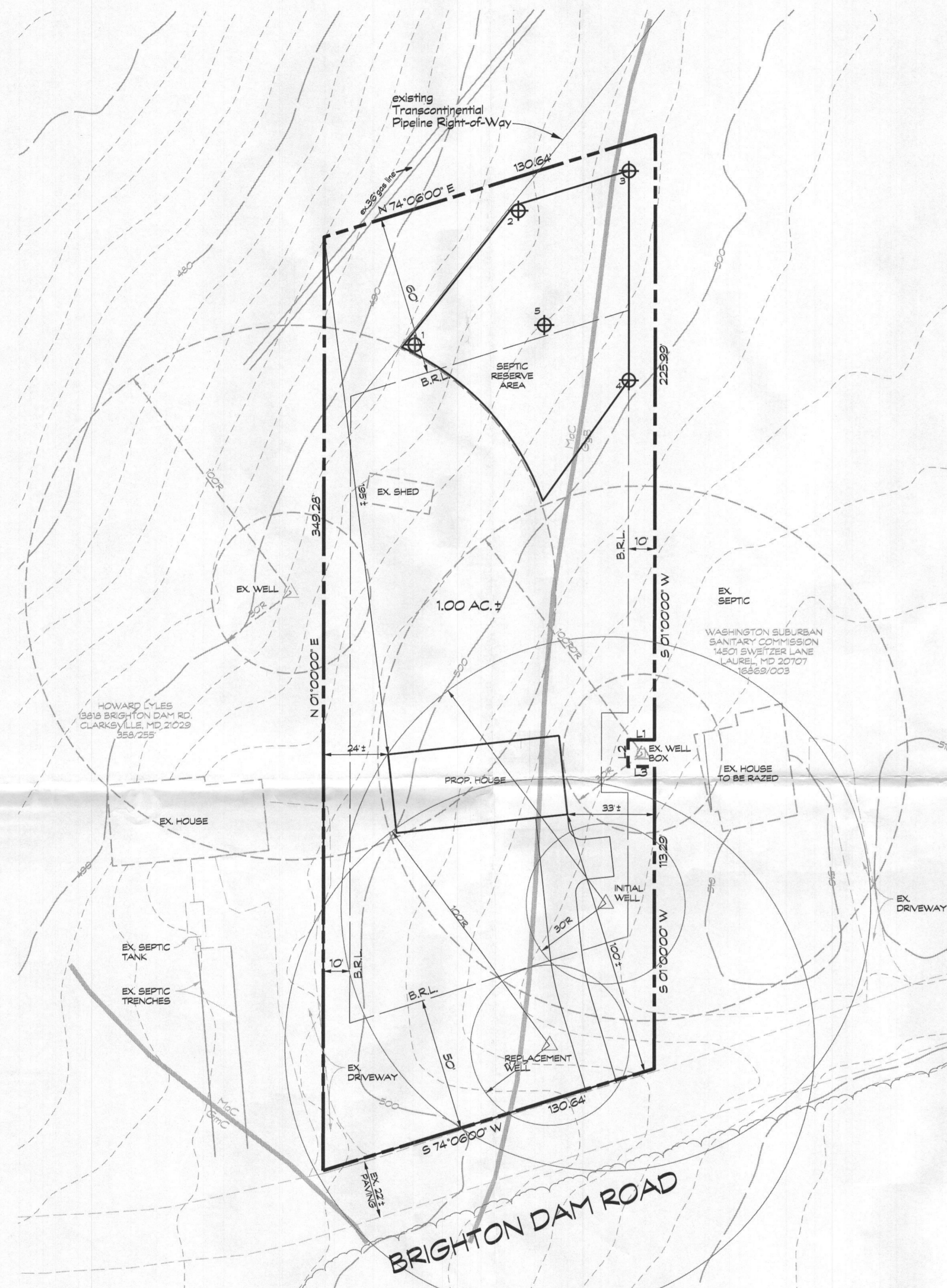
TAX MAP NO.: 8 GRID NO.: 2 PARCEL NO.: 8
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: NOV. 13, 2017
SHEET 1 OF 1

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
14	15304 GALAXY DRIVE

MARYLAND COORDINATE SYSTEM (NAD 83) (1)



NO.	BEARING	DIST.
L1	N 89°00'00" W	10.00'
L2	S 01°00'00" W	10.00'
L3	S 89°00'00" W	10.00'



PLAN
SCALE: 1" = 30'

GENERAL NOTES

- CURRENT TITLE REFERENCE:
OWNER: SHAWN & TRACEY GATEWOOD
DEED REFERENCE: L 17001, F. 293
DATE: MARCH 30, 2016
GRANTOR: GEORGE L. GATEWOOD, JR.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200' SCALE TOPO MAPS AND VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- 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.
- B.R.L. DENOTES BUILDING RESTRICTION LINE
- ANY CHANGES TO THE PRIVATE SEWER EASEMENT AND/OR ALTERNATIVE WELL LOCATION SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW A PROPOSED SINGLE FAMILY DWELING.

DATA TABULATIONS:

- ZONING DISTRICT: RR-DEO
- NUMBER OF BUILDING SITES: 1
- TOTAL AREA OF LOT: 1.00 ACRES

PERCOLATION TEST RESULTS, _____

PERC CERTIFICATION PLAN
GATEWOOD PROPERTY

BRIGHTON DAM RD. CLARKSVILLE, MD 21029

5th ELECTION DISTRICT • HOWARD COUNTY, MARYLAND
TAX MAP: 34 • GRID: 13 • PARCEL: 232
LIBER: 17001, FOLIO: 293



Dennis E. Meckley
Property Line Surveyor Reg No. 10844
License Expires 03/29/19

439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

LEGEND:

- x SPOT ELEVATION
- 2.5% FLOW PATH & SLOPE
- EX WELL
- PROP. PERC TEST LOCATION
- SEWAGE DISPOSAL AREA

SOILS LEGEND	
SOIL	TYPE
GgB	GLENELG
MaC	MANOR

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER

DATE

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER DATE

"I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF."

DENNIS E. MECKLEY, PROPERTY LINE SURVEYOR NO. 10844

OWNER/DEVELOPER
SHAWN & TRACEY GATEWOOD
1706 WOODMAN AVE.
SILVER SPRING, MD 20902

Date	Revisions	Drawn By:
11/15/2017	rev'd to show gas pipeline and right of way	Designed By: LDA
		Reviewed By: LDA
		Date: SEPT. 2017
		Scale: 1" = 30'
		Job No.: 2017160
		Sheet: 1 of 1

Bernard, Dana

From: Bernard, Dana
Sent: Thursday, November 16, 2017 4:44 PM
To: jim@decaturbuildingservices.com
Cc: 'TFARIS@NVRINC.COM'
Subject: Building Permit B17003803

Jim and Terry,

I have reviewed your building permit and for 15304 Galaxy Drive and we need a revised percolation certification plan and an OSDS plan to move forward with this building permit.

Thank you & Have a*~)

(.:. (.:. * Wonderful Day !

Dana Bernard, R.E.H.S./L.E.H.S.
Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov