

C1 42305		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE		THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)		DATE WELL COMPLETED		Depth of Well		COUNTY NUMBER	
ST/CO USE ONLY DATE Received MM 03 DD 02 YY 16		2/19/16		22 250 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" OK 3/4/16 SC HO 15-0203	
OWNER Williamsburg Homes		WELL SITE ADDRESS Time Rd		TOWN Fulton		LOT 4	
SUBDIVISION Wellbush Farm Estates		SECTION		LOT			
WELL LOG Not required for driven wells		GROUTING RECORD		C3		PUMPING TEST	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		WELL HAS BEEN GROUTED (Circle Appropriate Box)		HOURS PUMPED (nearest hour)		3	
DESCRIPTION (Use additional sheets if needed)		TYPE OF GROUTING MATERIAL (Circle one)		PUMPING RATE (gal. per min.)		6.6	
FEET		CEMENT CM BENTONITE CLAY BC		METHOD USED TO MEASURE PUMPING RATE		1 gal	
FROM TO		NO. OF BAGS 38 NO. OF POUNDS 3572		WATER LEVEL (distance from land surface)		70 ft.	
Light brown		GALLONS OF WATER 228		BEFORE PUMPING		10.3 ft.	
Long		DEPTH OF GROUT SEAL (to nearest foot)		WHEN PUMPING			
85		from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)		TYPE OF PUMP USED (for test)			
225		Casing types insert appropriate code below		A air P piston T turbine			
225 224 ✓		MAIN CASING TYPE		C centrifugal R rotary O other (describe below)			
226 250		Nominal diameter top (main) casing (nearest inch)		J jet S submersible			
		Total depth of main casing (nearest foot)					
		OTHER CASING (if used)					
		EACH CASING diameter inch depth (feet) from to					
		SCREEN RECORD					
		screen type or open hole					
		insert appropriate code below					
		ST STEEL BR BRASS HO OPEN HOLE					
		PL PLASTIC OT OTHER					
NUMBER OF UNSUCCESSFUL WELLS: 0		C2 DEPTH (nearest ft.)					
WELL HYDROFRACTURED YES Y NO N		1 HO 109 250					
CIRCLE APPROPRIATE LETTER		2 23 24 26 30 32 36					
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED		3 38 39 41 45 47 51					
E ELECTRIC LOG OBTAINED		SLOT SIZE 1 2 3					
P TEST WELL CONVERTED TO PRODUCTION WELL		Diameter of Screen (NEAREST INCH)					
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.		56 60					
DRILLERS LIC. NO. 1 M SD 009		from to					
DRILLERS SIGNATURE		GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68					
(MUST MATCH SIGNATURE ON APPLICATION)		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)					
LIC. NO. 1 D		T (E.R.O.S.) W Q					
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		70 72 74 75 76					
		TELESCOPE CASING LOG INDICATOR OTHER DATA					
		COUNTY					

PUMP INSTALLED
DRILLER INSTALLED PUMP YES **NO**
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (nearest ft.) 43 47
CASING HEIGHT (circle appropriate box and enter casing height) **+** above 48 } LAND SURFACE **02** (nearest foot) below 49 }

LATITUDE 39.1502113
LONGITUDE 76.950476
(DEFAULT COORD. WGS 84)

Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.

B 1 38282 <small>1 2 3 6</small>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 357188C please type	STATE PERMIT NUMBER HO-15-0203 <small>70 fill in this form completely 79</small>
Date Received (APA) 02/01/16 <small>8 MM DD YY 13</small> OWNER INFORMATION <div style="display: flex; justify-content: space-between;"> <div> <small>15 Last Name</small> Williamsburg Homes </div> <div> <small>34 First Name</small> Owner </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>36 Street or RFD</small> 5485 Harpers Farm </div> <div> <small>55</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>57 Town</small> Columbia, md. </div> <div> <small>70 State</small> 21044 </div> <div> <small>72 Zip</small> 76 </div> </div>		B 3 LOCATION OF WELL <div style="display: flex; justify-content: space-between;"> <div> <small>8 COUNTY</small> Howard </div> <div> <small>21</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>23 SUBDIVISION</small> Westland Farm Estates </div> <div> <small>42</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>SECTION</small> 44 46 </div> <div> <small>LOT</small> 4 </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>52 NEAREST TOWN</small> Fulton </div> <div> <small>71</small> </div> </div>	
DRILLER INFORMATION <div style="display: flex; justify-content: space-between;"> <div> <small>Driller's Name</small> Allen Compton </div> <div> <small>76 License No.</small> MSD 009 </div> <div> <small>81</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>Firm Name</small> Fogles Well Drilling, LLC </div> <div> <small>Address</small> P.O. Box 202 Woodbine md </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>Signature</small> Allen Compton </div> <div> <small>Date</small> 1/20/16 </div> </div>		B 4 SOURCES OF DRILLING WATER <div style="display: flex; justify-content: space-between;"> <div> <small>1. well water</small> </div> <div> <small>11 STREET ADDRESS</small> Lime Kiln Rd </div> <div> <small>30</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>2.</small> </div> <div> <small>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</small> <div style="display: flex; align-items: center;"> <div style="text-align: center;"> <small>34</small> 150 <small>37</small> </div> <div style="margin: 0 10px;"> <small>NORTH</small> <div style="border: 1px solid black; padding: 2px; text-align: center;"> <small>N</small> <small>W</small> <small>E</small> <small>WEST</small> <small>EAST</small> <small>S</small> <small>SOUTH</small> </div> </div> </div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>38 ENTER FT OR MI</small> 5 </div> <div> <small>39</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>TAX MAP</small> 45 </div> <div> <small>BLK</small> 5 </div> <div> <small>PARCEL</small> 28 </div> </div>	
B 2 WELL INFORMATION <div style="display: flex; justify-content: space-between;"> <div> <small>1 APPROX. PUMPING RATE (GAL. PER MIN.)</small> 5 </div> <div> <small>8</small> </div> <div> <small>12</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</small> 300 </div> <div> <small>14</small> </div> <div> <small>20</small> </div> </div>		USE FOR WATER (CIRCLE APPROPRIATE BOX) <div style="display: flex; justify-content: space-between;"> <div> <small>22</small> </div> <div> <input checked="" type="checkbox"/> D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> I INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> P PUBLIC WATER SUPPLY WELL <input type="checkbox"/> T TEST, OBSERVATION, MONITORING <input type="checkbox"/> O OPEN LOOP GEOTHERMAL <input type="checkbox"/> C CLOSED LOOP GEOTHERMAL </div> </div>	
APPROXIMATE DEPTH OF WELL 300 FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL 6 INCH <small>NEAREST</small>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <div style="display: flex; justify-content: space-between;"> <div> <small>COUNTY NAME</small> Howard </div> <div> <small>COUNTY NO.</small> 13 </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>STATE SIGNATURE</small> S. L. G. M. </div> <div> <small>INSERT S</small> </div> <div> <small>41</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>DATE ISSUED</small> 2/10/16 </div> <div> <small>CO SIGNATURE</small> S. L. G. M. </div> <div> <small>EXP. DATE</small> 2/10/17 </div> </div>	
METHOD OF DRILLING (circle one) <div style="display: flex; justify-content: space-between;"> <div> <small>BORED (or Augered)</small> <input checked="" type="checkbox"/> AIR-ROTARY </div> <div> <small>JETTED</small> <input type="checkbox"/> AIR-PERCUSION </div> <div> <small>Jetted & DRIVEN</small> <input type="checkbox"/> ROTARY (Hydraulic Rotary) </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>CABLE</small> <input type="checkbox"/> REVERSE-ROTARY </div> <div> <small>other</small> <input type="checkbox"/> DRIVE-POINT </div> </div>		PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL <div style="text-align: center;"> </div>	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <div style="display: flex; justify-content: space-between;"> <div> <small>THIS WELL WILL NOT REPLACE AN EXISTING WELL</small> <input checked="" type="checkbox"/> N </div> <div> <small>THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</small> <input type="checkbox"/> Y </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS</small> <input type="checkbox"/> S </div> <div> <small>THIS WELL WILL DEEPEMED AN EXISTING WELL</small> <input type="checkbox"/> D </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)</small> 41 </div> <div> <small>52</small> </div> </div>		Not to be filled in by driller (MDE OR COUNTY USE ONLY) <div style="display: flex; justify-content: space-between;"> <div> <small>APPROP. PERMIT NUMBER</small> G </div> <div> <small>PERMIT No.</small> HO-15-0203 </div> </div>	
SPECIAL CONDITIONS <small>NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</small>			

[illegible]

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Fogles Well Pump & Water Treatment, LLC Telephone #: 410 795 5670
Address: 5580 Obrecht Rd
Sykesville, MD 21784

(Must circle one): Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:

Name (Print): David C Fogle License #: MSD226

*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: Numer Williamburg Homes Telephone #: 240-393-2942
Subdivision: Westland Farms Lot #: 4 Well Tag #: HO-15-0203
Site Address: 12520 Westland Ct
Hilton, MD 20759

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Cummins</u>	Make: <u>Cummins</u>	Two piece watertight cap: <u>YES</u>
Model #: <u>155GE07-180</u>	Model #: <u>NA</u>	Screened, vented well cap: <u>YES</u>
Pump Capacity: <u>15</u> GPM	Depth: <u>36"</u> (36" min)	Cap secured to casing: <u>YES</u>
Well Yield: <u>10.6</u> GPM	NSE/WSC approved: <u>YES</u>	Conduit min 18" P.C.G.: <u>YES</u>
Depth of well encountered at time of pump installation: <u>250'</u> (feet)	Conduit secured to well cap: <u>YES</u>	
If pump capacity exceeds well yield, a low water cutoff switch is required by NSPC 1990 Section 17.8.4		
Torque wrench, Cable guards, or other acceptable method used - Must circle one		
Safety rope, if used, attached to breast rope adaptor or other acceptable method inside of well casing: <u>NA</u>		

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" poly pipe</u>	PVC sleeve to undisturbed soil at wall penetration: <u>YES</u>
PSI: <u>240</u> (180 psi min)	Length of sleeve (minimum from foundation): <u>6'</u>
Depth of supply line: <u>36"</u> (36" min)	Sleeve sealed properly: <u>YES</u>

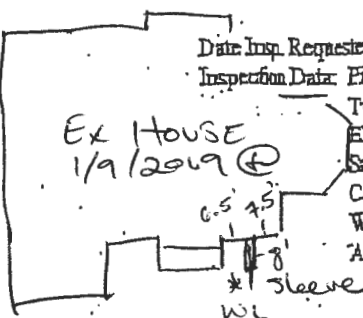
The water supply line is required to be at least ten feet from the septic tank; pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

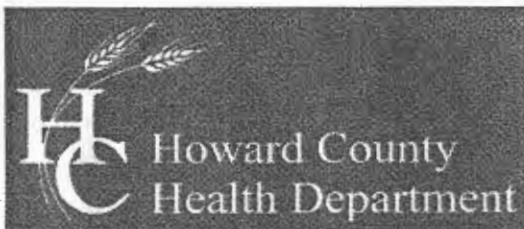
Signature of company representative responsible for installation: David C Fogle date: 1-9-2019

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 01/09/2019 Date Insp. Approved: 01/09/2019 Inspector: (Signature)
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓ 51" 01/09/2019
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓ 33" 01/09/2019
Safety rope not outside of well casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓ 22" 01/09/2019
Water supply line sleeved adequately at house connection ✓ 8" 01/09/2019
Adequate grout observed below pitless adapter ✓

EX HOUSE
1/9/2019





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

Twitter: HowardCoHealthDep

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

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

Westland Farm Estates

Subdivision/Property Name

4

Lot #

Lime Kiln Rd

Road Name

☒ The well site has been staked by Fisher Collins + Carter
(professional land surveyor or company employing professional land surveyors)
on January 14, 2016 (date) and does not require a site inspection.

☐ The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.



DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

H0-15-0203

INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND. 21230

Well box approved
2/10/16 SC

Well box staked by Fisher, Collins & Carter, Inc.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461 - 2855

WELL EXHIBIT

LOT 4

WESTLAND FARM ESTATES

APFO DEVELOPMENT PHASE 2

LOTS 3 THRU 14

TAX MAP #45

ZONED: RR-DEO

PARCEL: 28

3RD ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE: 1" = 100'

DATE: JANUARY 12, 2016

INTERIM CERTIFICATE OF POTABILITY**Expiration Date – NOVEMBER 21, 2019**

May 21, 2019

Homeowner
12520 Westland Court
Fulton, MD 20759**RE: Westland Farm Est., Lot 4
12520 Westland Court
Building Permit: B18000758
Well Permit: HO-15-0203**

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **1/10/2019**. Final approval of the well line connection to the dwelling was granted on **1/9/2019**. The well construction was completed on **2/19/2016**. Water samples were collected on **3/28/2019**.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-15-0203. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

Kevin M. Wolf, LEHS, R.S./REHS, Supervisor
Groundwater Management Section
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits
Community Hygiene Program
File

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:	129281	Account #:	4470
Reference:	Westland Farms Lot 4	Company:	Williamsburg Homes LLC
Location:	12520 Westland Court	Requested By:	Bill McBride
	Fulton, MD 20759	Source:	Well Water
Date/ Time Collected:	3/28/2019 1135	Site:	Tap after Constant Pressure Tank
Date/Time Rec'd:	3/28/2019 1354	Treatment:	None
Chlorine ppm:	Free: ND Total: ND	pH:	7.1
Collected By:	J. Yeager 6176JY	Well #:	HO-15-0203

PARAMETER	RESULT	UNITS	REFERENCE RANGE	LABORATORY	DATE/TIME
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/29/2019 / 0830 / RER
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/29/2019 / 0830 / RER
Nitrate	4.1	mg/L	10	300.0	3/28/2019 / 2203 / BMG
Turbidity	4.20	NTU	<10	SM20 2130B	3/28/2019 / 1555 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	3/28/2019 / 1555 / RER

NOTES

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 Nitrate Detection Limit: 0.2 mg/L
- 4 Nitrate Sub-contracted to Reference Lab #192
- 5 NS = None Seen (NS indicates less than 5 mg/L)
- 6 NTU = Nephelometric Turbidity Units
- 7 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 8 ND:None Detected
- 9 Visual well check: Sealed, vented cap
- 10 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy
Building Permit # : B18000758

Date Reported: 3/29/2019

FILE INQUIRY NOTES

[illegible]