

TAG: 3/12/18

B 1 70608 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND** STATE PERMIT NUMBER HO-17-0399
APPLICATION FOR PERMIT TO DRILL WELL please type 504721-H fill in this form completely

OWNER INFORMATION
 Date Received (APA) 01/10/19
 8 MM DD YY 13
 15 Last Name Dosa Owner Clarksville LLC First Name Clark 34
 36 Street or RFD 5100 Whaleboat Dr #6 55
Clarksville MD 21229
 57 Town Clarksville 70 State MD 72 Zip 21229 76

B 3 **LOCATION OF WELL**
Howard 8 COUNTY 21
The Woodlands 23 SUBDIVISION 42
 SECTION 44 46 LOT 9 48 50
Clarksville 52 NEAREST TOWN 71

DRILLER INFORMATION
Marshal Arnette M SD License No. 106 76
Allied Well Drilling Firm Name
10 Box 129 Annapolis Junction MD 20701 Address
Marshal Arnette Signature 01/10/19 Date

B 4 **SOURCES OF DRILLING WATER**
 1. Public
 2.
 3.
Dosa 11 STREET ADDRESS 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 70 37 DISTANCE FROM ROAD FT
 ENTER FT OR MI 38 39
 TAX MAP: 28 BLK: 105 PARCEL 025

B 2 **WELL INFORMATION**
 1 APPROX. PUMPING RATE 10 8 (GAL. PER MIN.) 12
 AVERAGE DAILY QUANTITY NEEDED 1,000 14 (GAL. PER DAY) 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 I INDUSTRIAL, COMMERCIAL, DEWATERING
 P PUBLIC WATER SUPPLY WELL
 T TEST, OBSERVATION, MONITORING
 O OPEN LOOP GEOTHERMAL
 C CLOSED LOOP GEOTHERMAL

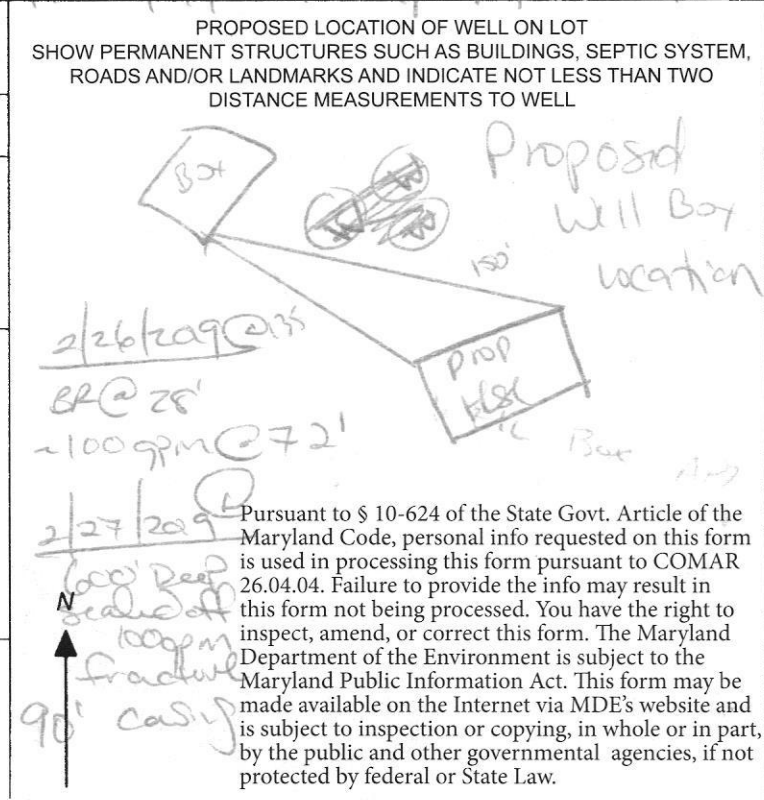
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME XIII COUNTY NO.
 STATE SIGNATURE _____ INSERT S → 41
 DATE ISSUED 02/01/19 43 MM DD YY 48
[Signature] CO SIGNATURE 02/26/2019 EXP. DATE 03/12/19
 DN: 2/26/2019 09:31/19 DOB:

APPROXIMATE DEPTH OF WELL 400 FEET 24 28
 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
 37 CABLE REVerse-ROTary DRive-POINT
 other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 N THIS WELL WILL NOT REPLACE AN EXISTING WELL
 Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 D THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER _____ G _____
 PERMIT No. HO-17-0399 70 71 72 73 74 75 76 77 78 79



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

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: Foales Well Pump & Water Treatment, LLC Telephone #: 410-795-5355
 Address: J PO Box 63
Woodbine MD 21163

Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer
 License # and name of individual responsible for the field installation:
 Name (Print): Daniel Eagle License # MSD2726

*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: Williamsburg Homes Telephone #: _____
 Subdivision: Woodlands Lot #: _____ Well Tag #: HO-17-0399 (ST)
 Site Address: 544 Dosa Ct Parcel A
Clarksville MD 21029

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Grundfos</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>Y/S</u>
Model #: <u>ISS6507-180</u>	Model #: <u>N/A</u>	Screened, vented well cap: <u>Y/S</u>
Pump Capacity: _____	GPM Depth: <u>36"</u> (36" min)	Cap secured to casing: <u>Y/S</u>
Well Yield: <u>16</u>	GPM NSF/WSC approved: <u>Y/S</u>	Conduit min 18" B.G.: <u>Y/S</u>
Depth of well encountered at time of pump installation: <u>606</u> (feet)		Conduit secured to well cap: <u>Y/S</u>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
 Must circle one: Torque arrestors / Cable guards / Other acceptable method used
 Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

Piping to house	House Connection
Type: <u>1" pvc pipe</u>	PVC sleeve to undisturbed soil at wall penetration: <u>Y/S</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>16'</u>
Depth of supply line: <u>36"</u> (36" min)	Sleeve sealed properly: <u>Y/S</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.

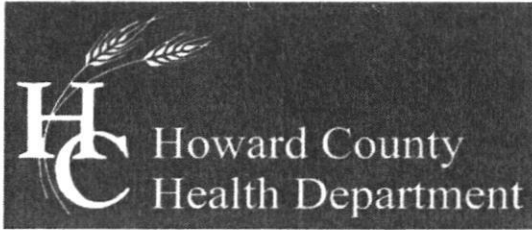
Signature of company representative responsible for installation: [Signature] date: 5/21/2022

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

Date Insp. Requested: <u>5/3/22</u>	Date Insp. Approved: <u>6/6/22</u>	Inspector: <u>(ST)</u>
Inspection Date: _____	Pitless/adapter watertight & water supply line at least 36" below grade	<u>Y/S</u> 53"
	Two piece cap installed and attached to casing securely	<u>Y/S</u>
	Elec. conduit extends at least 18" below grade/attached to cap properly	<u>Y/S</u> 39"
	Safety rope not outside of well cap/casing	<u>Y/S</u>
	Correct well tag attached properly and casing 8" above finished grade	<u>Y/S</u> 13"
	Water supply line sleeved adequately at house connection	<u>Y/S</u> 10'
	Adequate grout observed below pitless adapter	<u>X</u> no grout obs

(Revised from 10/24/2018)

6/6/22
 ✓ regouted
 (ST)



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: LOTS 1 TO 8
E
THE WOODLANDS PARCEL-A DOSA COURT
 Subdivision/Property Name Lot # Road Name

The well site has been staked by NJR & ASSOC. LLC.
 (professional land surveyor or company employing professional land surveyors)
 on JAN. 4, 2019 (date) and does not require a site inspection.

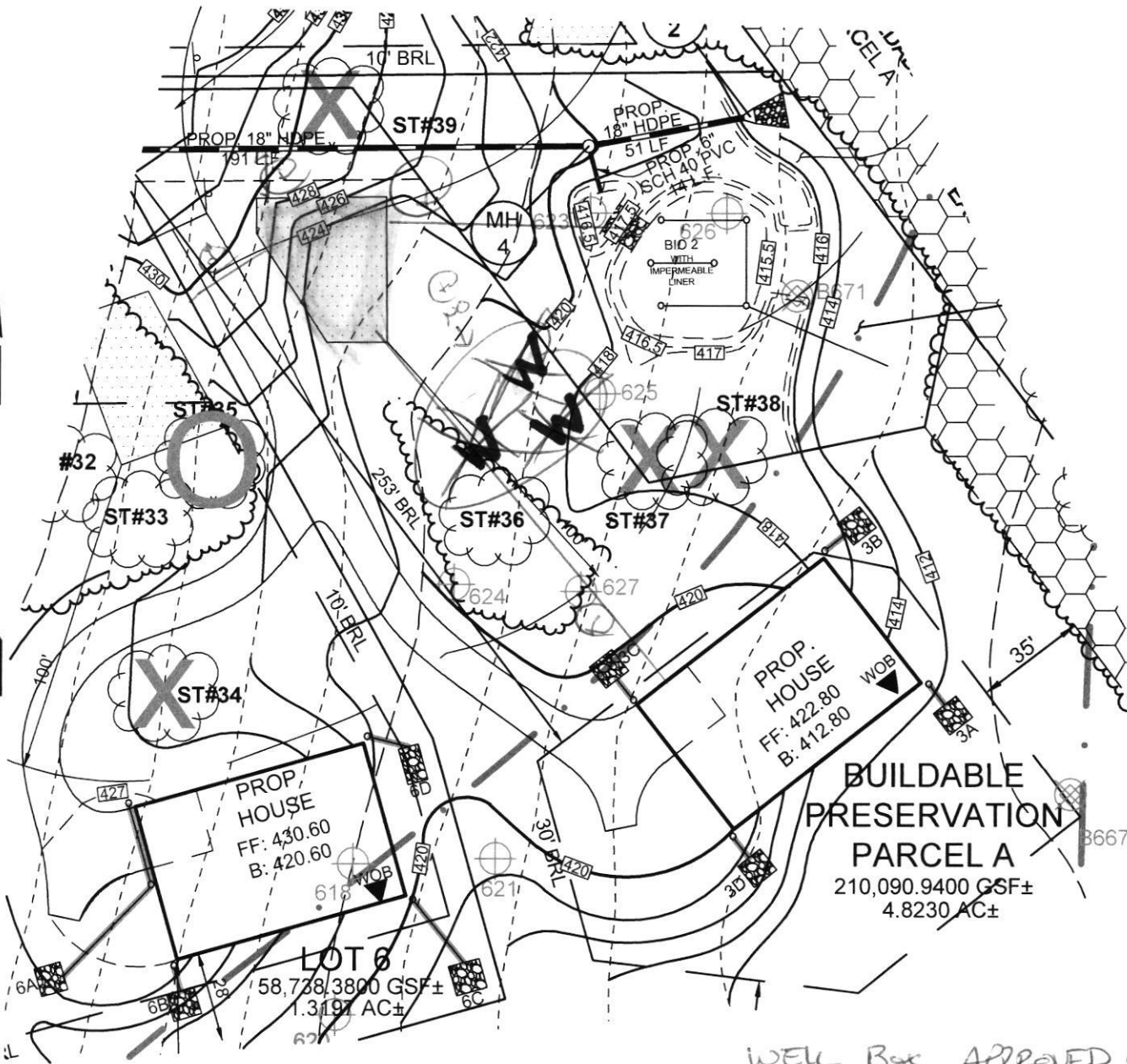
The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

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

M. Rossman
 02/04/2019

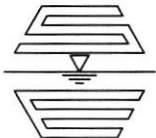


N
MARYLAND STATE GRID
NAD 83/91



WELL Box APPROVED 02/01/18
 (+) 001997
 STAKED by SILL
 HO-17-0399

11130 Dovedale Court, Suite 200
 Marriottsville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development



**SILL
 ENGINEERING
 GROUP, LLC**

DESIGN BY: PS
 DRAWN BY: JC
 CHECKED BY: PS
 SCALE: 1"=50'
 DATE: NOVEMBER 30, 2018
 PROJECT #: 14-029
 SHEET #: 1 OF 1

WELL PERMIT PLAN
THE WOODLANDS
 PARCEL A Lot #9
 TAX MAP 28 GRID 23
 5TH ELECTION DISTRICT
 PARCEL 15
 HOWARD COUNTY, MARYLAND



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

INTERIM CERTIFICATE OF POTABILITY
Expiration Date – MARCH 9, 2023

September 9, 2022

Homeowner
5644 Dosa Court
Clarksville, MD 21029

RE: The Woodlands, P. A
5644 Dosa Court
Building Permit: B21002664
Well Permit: HO-17-0399

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 **9/2/2022**. Final approval of the well line connection to the dwelling was granted on **6/6/2022**. The well construction was completed on **3/20/2019**. Water samples were collected on **8/24/2022**.

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-17-0399. 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,

A handwritten signature in black ink, appearing to read 'Kevin M. Wolf', is written over a light blue horizontal line.

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

REPORT OF ANALYSIS

Laboratory ID #: 154085 Account #: 4470
Reference: The Woodlands Parcel A Client: Williamsburg Homes LLC
Location: 5644 Dosa Court Requested By: Bill McBride
Clarksville, MD 21029 Source: Well Water
Date/ Time Collected: 8/24/2022 1140 Site: Pressure Tank
Date/Time Rec'd: 8/24/2022 1400 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 7.6
Collected By: J. Yeager 0819JY Well #: HO-17-0399

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	8/25/2022 / 1000 / TSD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	8/25/2022 / 1000 / TSD
Nitrate.	<0.40	mg/L	10	EPA 300.0	8/24/2022 / 2104 / CRS
Turbidity	0.54	NTU	<10	SM2130B	8/25/2022 / 0910 / TSD
Sand	ND	mg/L	5	Visual/Gravimetric	8/25/2022 / 0830 / TSD

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 NTU = Nephelometric Turbidity Units
- 4 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 ND:None Detected
- 6 Visual well check: Sealed, vented cap
- 7 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy
Building Permit # : B21002664

Date Reported: 8/25/2022

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

MEMORANDUM

TO: **Allied Well Drilling**
Attn: Marshal Arnette MSD 106
PO Box 129
Annapolis Junction, MD 20701

FROM: **Joseph Cabahug** *② 02/01/2019*
Licensed Environmental Health Specialist **001997**
Howard County Health Department
Well & Septic Program

RE: The Woodlands Lots 1-9(Par A) – Well Permit Special Conditions

DATE: 02/01/2019

This memorandum serves to inform the driller serving The Woodlands Subdivision for construction of a new potable wells for residential use of the special conditions associated with the release of the well permits.

In accordance with current approved Percolation Certification (signed 08/31/2018), the following conditions apply.

Note 13(a) All wells installed in The Woodlands Subdivision are to have steel casing. The well casings are to extend to fifty (50) feet depth, or Ten (10) feet into competent bedrock, which ever [sic] is deeper.

Note 15 Should the well for Lot 1 be installed at the Well 3 Location, bollards are required to be installed between the well and the driveway.

Due to the location of the subdivision between two radioactive Baltimore Gneiss formations within the county, the Health Department will be requiring **radium samples** to be collected at the yield test.

Please reach out to the Howard County Health Department – Bureau of the Environment with further questions.

Merfish Pipe & Supply

Since 1920

Master Distributor of Carbon Steel Pipe, Fittings & Flanges

1211 Kress Street · Houston, TX 77220

(713) 869-5731

DOCUMENT SUMMARY PAGE

Total Pages: 1

Queued By: Patrick Rhodes

NO.	Customer PO#	SO#	Item Description	Heat #
1	P1046155	200618907	6 BLK PE 0.188W SRL IMP 6.625 OD 12.94# A53 GR B ERW	B1706420



Jazeera Steel الحزيرة الجزيرة

AL JAZEERA STEEL PRODUCTS COMPANY SAOG

PO BOX 40, PC 327, Suhar Industrial Estate

SULTANATE OF OMAN

Phone : 968 26751763/4/5 Fax 968 26751766

PAGE : 1/1

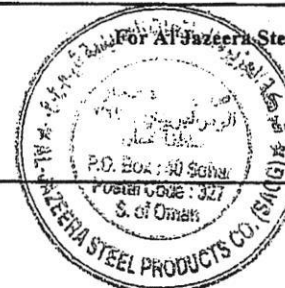
MILL TEST CERTIFICATE

P.O. NO. : R1686/LOT NE 1122- IND -1

MTC NO. : 311/07/2017 DATED 24/07/2017
 INVOICE NO. : AJSPC/EXP/162 DATED 24/07/2017
 CUSTOMER'S NAME : QT TRADING
 ADDRESS : 2207 CONCORD PIKE BOX 405,
 WILMINGTON, DELAWARE, 19803-2908,
 UNITED STATES OF AMERICA.

SR NO.	NPS (Inch)	NPS (MM)	WT (Inch)	LENGTH (Feet)	TYPE	Lb / Ft	HEAT NO.	BUNDLES	PCS	TOTAL (FEET)	NET WT. (MT)	MECHANICAL TESTING				HYDR AULIC TEST (psi)	CHEMICAL ANALYSIS (%)					Zinc Coating (Oz/Ft ²)
												UTS (psi)	YS (psi)	% EL IN GL 2"	FLATT ENING/ BEND TEST		C	Mn	P	S	Si	
ERW STEEL PIPE CONFORMING TO THE SPECIFICATION ASTM A53-12 GRA/ASTM A 53 - 12 GR. B/ASME SA 53-12 GRB SCH 40 & 0.188"																						
1	3/4" (UL)	1.050	0.113	10.0	BTBE	1.13	A1706217	4	336	3360	1.722	62780/64240	46720/47450	35/37	OK	700	0.114	0.760	0.023	0.006	0.023	-
2	1" (UL+FM)	1.315	0.133	10.0	BTBE	1.68	A1706218	23	1380	13800	10.517	63072/63948	46866/47742	36/38	OK	700	0.006	0.008	0.014	0.005	0.003	-
3	1" (UL+FM)	1.315	0.133	10.0	BTBE	1.68	A1705213	2	120	1200	0.914	62780/63656	44676/45406	36/38	OK	700	0.019	0.008	0.031	0.004	0.005	-
4	2" (UL+FM)	2.375	0.154	10.0	BTBE	3.66	A1707125	42	1092	10920	18.129	62926/63656	41610/42340	40/42	OK	2300	0.148	0.828	0.009	0.005	0.020	-
5	3" (GRB- ASME- UL+FM)	3.500	0.216	21.0	BPEB	7.58	B1707424	39	546	11466	39.423	64532/65262	49640/50370	36/38	OK	2500	0.008	0.022	0.011	0.004	0.003	-
6	6" (GRB- ASME- UL+FM)	6.625	0.280	21.0	BPEB	18.99	B1706420	2	14	294	2.532	64240/65116	47742/48472	35/37	OK	1780	0.130	0.810	0.007	0.007	0.024	-
7	6" (GRB- ASME- UL+FM)	6.625	0.280	21.0	BPEB	18.99	B1705416	1	7	147	1.266	64240/64970	43946/44822	35/37	OK	1780	0.006	0.040	0.008	0.005	0.004	-
8	8" (GRB- ASME- UL+FM)	8.625	0.322	21.0	BPEB	28.58	B1706422	24	120	2520	32.669	64824/65554	48910/49640	42/44	OK	1570	0.007	0.006	0.008	0.005	0.004	-
9	6" (GRB)	6.625	0.188	21.0	BPEB	12.94	B1706420	7	49	1029	6.040	63510/64240	46720/47450	35/37	OK	1190	0.007	0.008	0.011	0.005	0.004	-
10	8" (GRB)	8.625	0.188	21.0	BPEB	16.96	B1706422	12	60	1260	9.693	63364/64094	48180/48910	35/37	OK	920	0.153	0.536	0.006	0.006	0.017	-
11	2" (GRB- ASME- UL+FM)	2.375	0.154	21.0	BGE	3.66	B1706423	23	598	12558	20.848	63656/64532	47450/48180	35/37	OK	2500	0.008	0.009	0.012	0.005	0.004	-
GRAND TOTAL								179	4322	58554	143.754											

THIS IS TO CERTIFY THAT THE MATERIAL CONFORMS TO THE SPECIFICATION ASTM A53-12 GRA/ASTM A53-12 GR B/ASME SA -12 GRB
 ALL THE PIPES ARE TESTED NON DESTRUCTIVELY BY EDDY CURRENT METHOD AND HYDROSTATICALLY TESTED
 AT THE PRESSURE MENTIONED ABOVE.



Authorized Signatory
 Quality Control