

**HARDYSTON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY**

**A RESOLUTION OF THE HARDYSTON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY AUTHORIZING THE CONVEYANCE OF A UTILITY EASEMENT AND THE ACCEPTANCE OF A BILL OF SALE IN CONNECTION WITH CERTAIN WATER AND WASTEWATER UTILITIES LOCATED IN THE DEVELOPMENT KNOWN AS PHASE III – TOWNHOMES, INDIAN FIELD AT HARDYSTON**

**WHEREAS**, the Hardyston Township Municipal Utilities Authority (the “Authority”) owns and operates a water supply system and a wastewater conveyance system servicing the residents of Hardyston Township (collectively the “Systems”); and

**WHEREAS**, Indian Field at Hardyston Homeowners Association, Inc. (“IFHOA”) and Beazer Home Corporation (“Beazer”) are the fee simple owners of the roadways, utilities, common areas and other property located along Forest Hill Way, located in Indian Field at Hardyston Phase III, in the Township of Hardyston, County of Sussex, State of New Jersey (the “Property”), and

**WHEREAS**, pursuant to certain Developer’s Agreements, Beazer is required to transfer to the Authority, the water supply system, the sewer system and certain easements located within the Property; and

**WHEREAS**, Beazer, IFHOA and the Authority, have negotiated a Grant of Utility Easement and a Bill of Sale, transferring the water supply system, the sewer system and certain easements to the Authority, a copy of which is attached hereto and made a part hereof as **Exhibit A**; and

**WHEREAS**, the Authority desires to acquire the water supply system, the sewer system, as well as certain easements associated with said systems; and

**NOW, THEREFORE, BE IT RESOLVED** by the Board of the Hardyston Township Municipal Utilities Authority as follows:

1. That the Chairman of the Hardyston Township Municipal Utilities Authority Board of Commissioners is hereby authorized and directed to execute the Grant of Utility Easement and the Bill Sale in a form substantially similar to the form attached hereto as **Exhibit A** as well as any other ancillary documents necessary to effectuate the intent of this Resolution.
2. This Resolution shall take effect immediately.

	YES	NO	ABSTAIN	ABSENT
Chairman Cicerale	X			
Vice Chairman Kula	X			
Secretary Marples	X			
Roof				X
Kaminski	X			
O'Grady	X			

Certified to be a true copy of the Resolution  
adopted by the HTMUA at a meeting held on  
January 9, 2017

---

Gail C. Hensal, Recording Secretary

**GRANT OF UTILITY EASEMENT**

**SANITARY SEWER AND POTABLE WATER SYSTEM  
INDIAN FIELD AT HARDYSTON – PHASE 3  
TOWNSHIP OF HARDYSTON, SUSSEX COUNTY, NEW JERSEY**

**THIS GRANT OF UTILITY EASEMENT** (the “Grant”) is made the day and year hereinafter set forth by and from **INDIAN FIELD AT HARDYSTON HOMEOWNERS ASSOCIATION, INC.** (the “Grantor”), a New Jersey corporation with an address at 80 Meadow Pond Road, Hamburg, NJ 07419 and **BEAZER HOME CORPORATION** (the “Developer”), a Tennessee corporation, having its principal place of business at 1000 Abernathy Road, Suite 260, Atlanta, GA 30328.

**TO THE HARDYSTON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY**, a municipal utilities authority, organized pursuant to the provisions of the Municipal and County Utilities Authorities Law, N.J.S.A. 40:14B-1, *et. seq.*, with offices at the Hardyston Township Municipal Building, 149 Wheatsworth Road, Hardyston, New Jersey 07419 (the “Grantee”).

**W I T N E S S E T H :**

**WHEREAS**, Grantor is the owner in fee simple of the roadways, utilities and common areas and other property located along Forest Hill Way, in the Township of Hardyston, County of Sussex, State of New Jersey (the “Property”), which is within a residential community known as Indian Field at Hardyston, Phase III, which consists of townhomes, streets and roadways, sewer and potable water utility infrastructure, a storm water management system, open space and common areas, and related improvements on the Property (the “Community”);

**WHEREAS**, Grantor acquired the Property from the Developer by way of Quitclaim Deeds dated (i) January 6, 2006, and recorded at the Office of the Sussex County Clerk at Deed Book 3007, Pg 286&c.; (ii) September 18, 2007, and recorded at the Office of the Sussex County Clerk at Deed Book 3175, Pg 35&c; (iii) May 19, 2014, and recorded at the Office of the Sussex County Clerk at Deed Book 3338, Pg49&c.

**WHEREAS**, pursuant to the New Jersey Municipal Land Use Law, N.J.S.A. 4:55D-1, *et. seq.*, the Developers Agreements by and between Hardyston Township and Grantor’s predecessor in interest, dated May 17, 1998, and Grantee and Grantor’s predecessor in interest, dated April 12, 1995 (Water System) and April 12, 1995 (Sewer System) (collectively the “Developer’s Agreements”), the Hardyston Township Planning Board granted Final Major Subdivision Approval for the development of the Community on the Property which Approval was conditioned upon the ultimate conveyance of the proposed sanitary sewer and potable water system and an appropriate Utility Easement to the Grantee, for the purposes hereafter set forth, across and over the roadways and certain other properties in the Community (the “Easement Area”), including:

1. The roadways within the Community including Indian Field Drive, Lodge Pole Lane, Black Bear Court, and Forest Hill Way extending from Black Bear Court to Beaver Run Road, all as generally shown on a Subdivision Plan, entitled “Final Subdivision Plat, Amendment to Filed Map No.1374, Phase III – Townhomes, Indian Field at Hardyston, Lot

16.01; Block 67, Township of Hardyston, Sussex County, New Jersey,” prepared by Joseph F. Barbieri & Associates, dated November 4, 2004 and recorded with the Sussex County Clerk’s Office as Registered Map No. 1382 on January 10, 2005, attached hereto as **Exhibit “A”** and made a part hereof;

2. A ten (10) foot wide Access and Maintenance Easement behind the curblineline of the roadways in the Community as also shown on **Exhibit “A”**;

3. A portion of Block 67.09, Lot 1, as shown on a plan entitled, “Water Main Easement Plat, Indian Field at Hardyston, Township of Hardyston, Sussex County, New Jersey,” prepared by Joseph F. Barbieri & Associates, dated April 8, 2013, attached hereto as **Exhibit “B”** and made a part hereof.

**WHEREAS**, the Easement is necessary to provide the Grantee access for the installation, inspection, maintenance, replacement if necessary, and repair of sanitary sewer infrastructure and potable water utility infrastructure (including, but not limited to, water mains and connections and sanitary sewer mains and connections and appurtenant facilities) to provide municipal utility services; and

**WHEREAS**, as described and depicted in detail on an as-built utility plan entitled “As Constructed Survey, Indian Field, Phase 3 – Townhomes Block 67), Township of Hardyston, Sussex County, New Jersey,” prepared by Joseph F. Barbieri & Associates, consisting of eight (8) sheets, dated January 15, 2007, and last revised October 3, 2012, a copy of which is attached hereto as **Exhibit D**, the sanitary sewer utility infrastructure and water utility infrastructure has been completed and installed in accordance with the Approvals granted by the Hardyston Township Planning Board (the “Completed Improvements”); and

**WHEREAS**, the sanitary sewer utility infrastructure and potable water utility infrastructure are necessary to serve the housing units in the Community and Grantee has inspected and approved the Completed Improvements;

**WHEREAS**, Grantor desires to convey the Utility Easement to the Grantee and the Developer joins in the execution of this Easement to the extent that it possesses any remaining interest in the Easement Areas such that this Easement is property granted to the Grantee;

**WHEREAS**, Grantor and the Developer have on this date, also executed and delivered to Grantee a Bill of Sale which is attached hereto as **Exhibit “C”** conveying to Grantee all of Grantor’s rights and any Developer’s rights, title and interest in the Completed Improvements, including the “Sanitary Sewer Facilities” and “Water Facilities” which are described herein.

Now, therefore, in pursuance of this Grant and for and in consideration of the sum of One (\$1.00) Dollar, the receipt and sufficiency of which is hereby acknowledged, and of the mutual covenants, agreements, conditions and stipulations therein contained, Grantor and Developer agree as follows:

1. Grantor and Developer do hereby grant and convey to the Grantee, and its respective successors and assigns, a perpetual non-exclusive easement to allow the Grantee, and its employees and agents, the full, free, unlimited, unobstructed and uninterrupted right of

ingress, egress and regress at all times to and from the Easement Area for the purpose of providing utility and municipal services to the Community.

2. Grantor and the Developer do hereby grant and convey to the Grantee, and its successors and assigns, a perpetual non-exclusive easement to allow the Grantee, its employees and agents, full, free, unlimited, unobstructed and uninterrupted right of ingress, egress and regress at all times to and from the Easement Area for the purpose of installing, constructing, reconstructing, maintaining, operating, repairing, utilizing, renewing, expanding, and/or replacing, if necessary, a public sanitary sewer facility and appurtenant structures (the "Sanitary Sewer Facilities"), including, but not limited to, sanitary sewer mains, laterals, manholes and appurtenant structures through, along, across and under the Easement Area.

3. Grantor and the Developer do hereby grant and convey to the Grantee, and its successors and assigns, a perpetual non-exclusive easement to allow the Grantee, its employees and agents, full, free, unlimited, unobstructed and uninterrupted right of ingress, egress and regress at all times to and from the Easement Area for the purpose of installing, constructing, reconstructing, maintaining, operating, repairing, utilizing, renewing, expanding, and/or replacing, if necessary, a public water system and appurtenant structures (the "Water Facilities"), including, but not limited to, water mains, laterals and valves and appurtenant structures through, along, across and under the Easement Area.

4. With respect to the portion of the Easement Area depicted on **Exhibit "B"**, the Grantee's rights hereunder shall be limited to Water Facilities.

5. Grantee shall have the obligation and duty to inspect and maintain the Sanitary Sewer facilities and Water Facilities, at Grantee's sole expense, in good, working order at all times.

6. Grantee's exercise of rights or satisfaction of obligations granted hereunder shall indicate Grantee's acceptance of the obligation that, after completion of any work in the Easement Area, Grantee shall, at its sole expense, restore the surface of the lands which are subject to the Easement herein granted, within reasonable limits, to the original condition and will construct, operate and maintain the Sanitary Sewer facilities and Water Facilities so as not to interfere with any use to which the lands which are subject to the easement herein granted are then subjected.

7. Grantee's acceptance and execution of the Bill of Sale which is attached hereto as **Exhibit "C"**, shall also constitute Grantee's acceptance of the terms and conditions of this Grant of Easement.

8. All construction and other work undertaken in connection with the Sanitary Sewer facilities and Water Facilities shall be performed in conformance with prevailing utility industry standards and in compliance with all applicable laws, ordinances and regulations. Following any work permitted by this Grant, all disturbed areas shall be returned insofar as possible to their condition before entry to perform the work. This obligation shall include, without limitation, responsibility for repaving and/or other restoration of disturbed areas.

9. This Easement shall not be exclusive, and Grantor retains the right to use, maintain, restore or replace the surface of the Easement Area for any and all purposes that do not interfere with the rights Granted to Grantee herein, and subject to the following limitations:

(a) Grantor shall not plant any trees or shrubs on the lands in the Easement Area; shall not excavate top soil, sand, gravel and/or minerals; and shall not permit any fill to be placed within the Easement Area; or

(b) Grantor shall not erect any structures of any description, including but not limited to patios, fences, decks, walls, etc., or other structures or equipment within the Easement Area that would interfere with rights granted to the Grantee hereunder.

(c) With respect to the portion of the Easement Area within the area identified as a ten (10) foot wide Access and Maintenance Easement behind the curbline of the roadways in the Community, nothing in this section shall be construed to require Grantor to remove any trees, shrubs, landscaping or other completed improvements as required or authorized pursuant to the approvals granted with respect to the Community and Grantor shall have the right to maintain and replace any such improvements.

10. The obligations of the Grantor, set forth above, shall bind all of Grantor's successors in title, right, interest and/or assignment to all or portions of the Property.

11. This Grant contains the entire agreement relating to the Easement Area and the rights granted by this Grant. This Grant shall be construed, interpreted and enforced in accordance with the internal laws of the State of New Jersey.

12. This obligations and benefits of this Grant shall be binding upon and shall inure to the benefit of the parties and their respective heirs, successors and assigns and shall be deemed covenants running with the lands affected thereby. However the Developer assumes no obligations with respect to this Grant.

13. If any provision of this Grant or the application hereof to any person or circumstance shall be found invalid, the remainder of the provisions of this Grant and the application hereof to the other persons or circumstances shall not be affected thereby.

*SIGNATURES APPEAR ON FOLLOWING PAGES*



**ATTEST:**

**BEAZER HOME CORPORATION**

\_\_\_\_\_

\_\_\_\_\_

By:

**STATE OF NEW JERSEY :**

**: SS:**

**COUNTY OF SUSSEX :**

**BE IT REMEMBERED** that on this \_\_\_ day of \_\_\_\_\_, 2016, before me, the undersigned witnessing authority, personally appeared \_\_\_\_\_, who, I am satisfied, is the \_\_\_\_\_ of **BEAZER HOME CORPORATION**, a Tennessee corporation, named as Seller in the within instrument, and he/she acknowledged under oath, to my satisfaction, that he/she signed and delivered the within instrument, and that the execution of the within instrument is the valid and duly authorized act of said corporation and its Board, all of which is hereby certified.

\_\_\_\_\_

Notary

\_\_\_\_\_

**Insert Exhibit "A"**

**Insert Exhibit "B"**

Exhibit "C"

**BILL OF SALE  
FOR SANITARY SEWER  
AND WATER SYSTEM IMPROVEMENTS  
INDIAN FIELD PHASE THREE**

This Bill of Sale is made on the \_\_\_\_ day of \_\_\_\_\_, 2016, by:

**INDIAN FIELD AT HARDYSTON HOMEOWNERS ASSOCIATION, INC.** (the "Association"), a New Jersey corporation whose mailing address is 80 Meadow Pond Road, Hamburg, NJ 07419 and **BEAZER HOME CORPORATION** (the "Developer"), a Tennessee corporation, having its principal place of business at 1000 Abernathy Road, Suite 260, Atlanta, GA 30328. (Together, the Association and the Developer are referred to as

the "Seller");

AND is given to the **HARDYSTON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY**, a municipal utilities authority of the State of New Jersey, with offices at the Hardyston Township Municipal Building, 149 Wheatsworth Road, Hardyston, New Jersey 07419 (hereinafter referred to as "Buyer");

WITNESSETH, that the Seller, for and in consideration of the sum of \$1.00 as well as the advantages to it accruing, by these presents does grant, bargain, sell, alien, enfeoff, release and confirm unto the Buyer, its successors and assigns, ALL THOSE CERTAIN Completed Improvements, as described and depicted within a Grant of Utility Easement to which this Bill of Sale is appended, including Sanitary Sewer Facilities and Water Facilities and related facilities situate in the Township of Hardyston, Sussex County, New Jersey.

THIS TRANSFER includes any and all warranties and other rights of Seller with respect to the Completed Improvements. As set forth within the aforesaid Grant of Utility Easement the general location and description of the Completed Improvements are shown on as-built utility plans entitled "As Constructed Survey, Indian Field, Phase 3 – Townhomes Block 67), Township of Hardyston, Sussex County, New Jersey," prepared by Joseph F. Barbieri & Associates, consisting of eight (8) sheets, dated January 15, 2007, and last revised October 3, 2012.

BUYER AND SELLER have placed their authorized signatures upon two (2) separate copies of such as-built utility plans, and each party has retained possession of one (1) signed copy.

THE COMPLETED IMPROVEMENTS are conveyed to the Buyer to have and to hold forever, subject to the rights of the Seller and its successors and assigns to connect to and use the Completed Improvements in accordance with applicable ordinances, and other laws and regulations, and subject to the rights of Seller and its successors and assigns to develop, use and enjoy the real property within the Community. This conveyance is also subject to all applicable laws, rules and regulations of the County of Sussex, the State of New Jersey.



**ATTEST:**

**BEAZER HOME CORPORATION**

\_\_\_\_\_

\_\_\_\_\_

By:

**STATE OF NEW JERSEY :**

**: SS:**

**COUNTY OF SUSSEX :**

**BE IT REMEMBERED** that on this \_\_\_ day of \_\_\_\_\_, 2016, before me, the undersigned witnessing authority, personally appeared \_\_\_\_\_, who, I am satisfied, is the \_\_\_\_\_ of **BEAZER HOME CORPORATION**, a Tennessee corporation, named as Seller in the within instrument, and he/she acknowledged under oath, to my satisfaction, that he/she signed and delivered the within instrument, and that the execution of the within instrument is the valid and duly authorized act of said corporation and its Board, all of which is hereby certified.

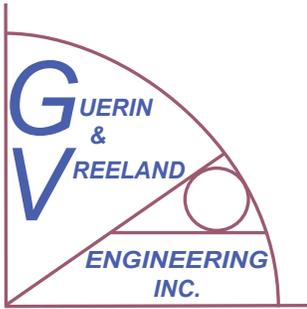
\_\_\_\_\_

Notary

\_\_\_\_\_



## Exhibit D



272 Route 206 - Suite 215  
 Flanders, NJ 07836-9081  
 Tel (973) 252-9340  
 Fax (973) 252-3069  
 www.guerinvreeland.com

ROBERT P. GUERIN, P.E., P.P.  
 bguerin@guerinvreeland.com

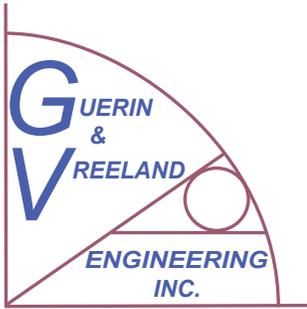
MICHAEL G. VREELAND, P.E., P.P.  
 mvreeland@guerinvreeland.com

**MAINTENANCE BOND ESTIMATE  
 INDIAN FIELD - PHASE THREE  
 HARDYSTON TOWNSHIP**

PROJ. # 1001  
 DATE: 4/22/16

PAGE 1 OF 3

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>ON-SITE IMPROVEMENTS</b>					
1	SITE CLEARING	ACRES	0	\$2,500.00	\$0.00
2	ROADWAY EXCAVATION	C.Y.	0	3.00	0.00
3	ROADWAY FILL	C.Y.	0	5.00	0.00
4	DENSE GRADED AGGREGATE SUBBASE	S.Y.	7,750	4.00	31,000.00
5	BITUMINOUS STABILIZED BASE COURSE	S.Y.	7,750	8.50	65,875.00
6	FABC SURFACE COURSE	S.Y.	7,750	5.00	38,750.00
7	GRANITE BLOCK CURB	L.F.	5,340	14.00	74,760.00
8	STORM INLETS	EACH	27	1,500.00	40,500.00
9	STORM MANHOLES	EACH	8	1,500.00	12,000.00
10	15" REINFORCED CONCRETE PIPE	L.F.	880	24.00	21,120.00
11	18" REINFORCED CONCRETE PIPE	L.F.	242	30.00	7,260.00
12	21" REINFORCED CONCRETE PIPE	L.F.	656	35.00	22,960.00
13	24" REINFORCED CONCRETE PIPE	L.F.	435	40.00	17,400.00
14	LEADER DRAIN CONNECTIONS	EACH	0	500.00	0.00
15	SANITARY SEWER MANHOLES	EACH	0	1,500.00	0.00
16	8" PVC SANITARY SEWER	L.F.	0	30.00	0.00
17	HOUSE CONNECTION (Sanitary)	EACH	0	500.00	0.00
18	SEWER MAIN TESTING	L.S.	0	10,000.00	0.00
19	8" DIP WATER MAIN (CLASS 52)	L.F.	0	35.00	0.00
20	8" GATE VALVES	EACH	0	1,200.00	0.00
21	FIRE HYDRANTS	EACH	0	2,500.00	0.00
22	HOUSE CONNECTIONS (Water)	EACH	0	500.00	0.00
23	WATER MAIN TESTING	L.S.	0	10,000.00	0.00
24	LANDSCAPING (Individual Units)	UNIT	0	1,000.00	0.00
25	LANDSCAPING (Common areas)	L.S.	0	10,000.00	0.00
26	STREET LIGHTS	EACH	10	500.00	5,000.00
27	MONUMENTS	EACH	0	450.00	0.00
28	SILT FENCE	L.F.	0	3.00	0.00
29	WHEEL CLEANER BLANKET	C.Y.	0	25.00	0.00
30	INLET PROTECTION	EACH	0	100.00	0.00
				<b>SUBTOTAL</b>	<b>\$336,625.00</b>



272 Route 206 - Suite 215  
 Flanders, NJ 07836-9081  
 Tel (973) 252-9340  
 Fax (973) 252-3069  
 www.guerinvreeland.com

**ROBERT P. GUERIN, P.E., P.P.**  
 bguerin@guerinvreeland.com

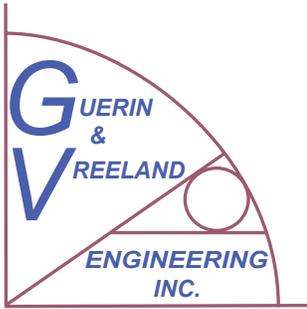
**MICHAEL G. VREELAND, P.E., P.P.**  
 mvreeland@guerinvreeland.com

**MAINTENANCE BOND ESTIMATE  
 INDIAN FIELD - PHASE THREE  
 HARDYSTON TOWNSHIP**

PROJ. # 1001  
 DATE: 4/22/16

PAGE 2 OF 3

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>DETENTION BASINS</b>					
31	SITE CLEARING	ACRES	0	\$2,500.00	0.00
32	BASIN EXCAVATION	C.Y.	0	3.00	0.00
33	18" REINFORCED CONCRETE PIPE	L.F.	80	30.00	2,400.00
34	36" REINFORCED CONCRETE PIPE	L.F.	183	50.00	9,150.00
35	18" FLARED END SECTIONS	EACH	2	750.00	1,500.00
36	36" FLARED END SECTIONS	EACH	1	1,500.00	1,500.00
37	STORM MANHOLES	EACH	6	1,500.00	9,000.00
38	OUTLET STRUCTURES	EACH	3	2,500.00	7,500.00
39	CONCRETE LOW FLOW CHANNEL	TONS	100	75.00	7,500.00
40	ANTI-SEEP COLLARS	EACH	3	2,500.00	7,500.00
41	SILT FENCE	L.F.	0	3.00	0.00
42	EROSION CONTROL MATTING	S.Y.	0	10.00	0.00
43	SEEDING AND STABILIZATION	ACRES	0	1,000.00	0.00
				<b>SUBTOTAL</b>	<b>\$46,050.00</b>



272 Route 206 - Suite 215  
 Flanders, NJ 07836-9081  
 Tel (973) 252-9340  
 Fax (973) 252-3069  
 www.guerinvreeland.com

**ROBERT P. GUERIN, P.E., P.P.**  
 bguerin@guerinvreeland.com

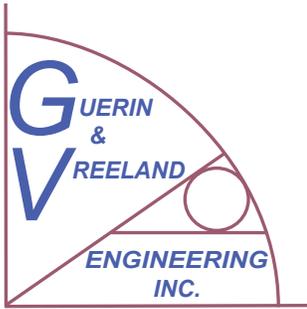
**MICHAEL G. VREELAND, P.E., P.P.**  
 mvreeland@guerinvreeland.com

**MAINTENANCE BOND ESTIMATE  
 INDIAN FIELD - PHASE THREE  
 HARDYSTON TOWNSHIP**

PROJ. # 1001  
 DATE: 4/22/16

PAGE 3 OF 3

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	<b>FOREST HILL WAY</b>				
44	SITE CLEARING	ACRES	0	\$2,500.00	0.00
45	ROADWAY EXCAVATION	C.Y.	0	3.00	0.00
46	ROADWAY FILL	C.Y.	0	5.00	0.00
47	DENSE GRADED AGGREGATE SUBBASE	S.Y.	7,500	4.00	30,000.00
48	BITUMINOUS STABILIZED BASE COURSE	S.Y.	7,500	8.50	63,750.00
49	FABC SURFACE COURSE	S.Y.	7,500	5.00	37,500.00
50	GRANITE BLOCK CURB	L.F.	4,300	14.00	60,200.00
51	CONCRETE SIDEWALK	S.Y.	625	45.00	28,125.00
52	GUIDE RAIL	L.F.	305	40.00	12,200.00
53	PAVEMENT STRIPING	L.S.	1	2,500.00	2,500.00
54	STORM INLETS	EACH	21	1,500.00	31,500.00
55	STORM MANHOLES	EACH	9	1,500.00	13,500.00
56	RECONSTRUCT STORM CHAMBER	EACH	1	3,500.00	3,500.00
57	15" REINFORCED CONCRETE PIPE	L.F.	448	24.00	10,752.00
58	18" REINFORCED CONCRETE PIPE	L.F.	562	30.00	16,860.00
59	24" REINFORCED CONCRETE PIPE	L.F.	529	35.00	18,515.00
60	30" REINFORCED CONCRETE PIPE	L.F.	30	40.00	1,200.00
61	36" REINFORCED CONCRETE PIPE	L.F.	824	50.00	41,200.00
62	RIP RAP APRON	TONS	55	50.00	2,750.00
63	8" DIP WATER MAIN (CLASS 52)	L.F.	0	35.00	0.00
64	GATE VALVES	EACH	0	1,200.00	0.00
65	FIRE HYDRANTS	EACH	0	2,500.00	0.00
66	TEST WATER SYSTEM	L.S.	0	5,000.00	0.00
67	STREET LIGHTS	EACH	2	500.00	1,000.00
68	SANITARY MANHOLES	EACH	0	1,500.00	0.00
69	DROP MANHOLE CONNECTIONS	EACH	0	500.00	0.00
70	8" PVC SANITARY SEWER	L.F.	0	30.00	0.00
71	CONCRETE ENCASEMENT	L.F.	0	50.00	0.00
72	SEWER MAIN TESTING	L.S.	0	10,000.00	0.00
73	INLET FILTERS	EACH	0	100.00	0.00
74	VEHICLE WHEEL CLEANER BLANKET	TONS	0	25.00	0.00
75	SEEDING AND STABILIZATION	ACRES	0	1,000.00	0.00
76	OUTLET RIP RAP	C.Y.	200	20.00	4,000.00
77	LANDSCAPING	L.S.	0	7,500.00	0.00
				<b>SUBTOTAL</b>	<b>\$379,052.00</b>
<b>TOTAL ESTIMATE CONSTRUCTION COSTS</b>					<b>\$761,727.00</b>
<b>TOTAL REQUIRED MAINTENANCE BOND (15%)</b>					<b>\$114,259.05</b>



272 Route 206 - Suite 215  
 Flanders, NJ 07836-9081  
 Tel (973) 252-9340  
 Fax (973) 252-3069  
 www.guerinvreeland.com

ROBERT P. GUERIN, P.E., P.P.  
 bguerin@guerinvreeland.com

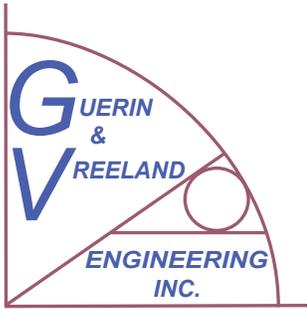
MICHAEL G. VREELAND, P.E., P.P.  
 mvreeland@guerinvreeland.com

**MAINTENANCE BOND ESTIMATE  
 INDIAN FIELD - PHASE THREE  
 HARDYSTON TOWNSHIP MUA**

PROJ. # 1017 & 1018  
 DATE: 4/22/16

PAGE 1 OF 3

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>ON-SITE IMPROVEMENTS</b>					
1	SITE CLEARING	ACRES	0	\$2,500.00	\$0.00
2	ROADWAY EXCAVATION	C.Y.	0	3.00	0.00
3	ROADWAY FILL	C.Y.	0	5.00	0.00
4	DENSE GRADED AGGREGATE SUBBASE	S.Y.	0	4.00	0.00
5	BITUMINOUS STABILIZED BASE COURSE	S.Y.	0	8.50	0.00
6	FABC SURFACE COURSE	S.Y.	0	5.00	0.00
7	GRANITE BLOCK CURB	L.F.	0	14.00	0.00
8	STORM INLETS	EACH	0	1,500.00	0.00
9	STORM MANHOLES	EACH	0	1,500.00	0.00
10	15" REINFORCED CONCRETE PIPE	L.F.	0	24.00	0.00
11	18" REINFORCED CONCRETE PIPE	L.F.	0	30.00	0.00
12	21" REINFORCED CONCRETE PIPE	L.F.	0	35.00	0.00
13	24" REINFORCED CONCRETE PIPE	L.F.	0	40.00	0.00
14	LEADER DRAIN CONNECTIONS	EACH	0	500.00	0.00
15	SANITARY SEWER MANHOLES	EACH	19	1,500.00	28,500.00
16	8" PVC SANITARY SEWER	L.F.	2,477	30.00	74,310.00
17	HOUSE CONNECTION (Sanitary)	EACH	115	500.00	57,500.00
18	SEWER MAIN TESTING	L.S.	0	10,000.00	0.00
19	8" DIP WATER MAIN (CLASS 52)	L.F.	2,810	35.00	98,350.00
20	8" GATE VALVES	EACH	21	1,200.00	25,200.00
21	FIRE HYDRANTS	EACH	7	2,500.00	17,500.00
22	HOUSE CONNECTIONS (Water)	EACH	115	500.00	57,500.00
23	WATER MAIN TESTING	L.S.	0	10,000.00	0.00
24	LANDSCAPING (Individual Units)	UNIT	0	1,000.00	0.00
25	LANDSCAPING (Common areas)	L.S.	0	10,000.00	0.00
26	STREET LIGHTS	EACH	0	500.00	0.00
27	MONUMENTS	EACH	0	450.00	0.00
28	SILT FENCE	L.F.	0	3.00	0.00
29	WHEEL CLEANER BLANKET	C.Y.	0	25.00	0.00
30	INLET PROTECTION	EACH	0	100.00	0.00
				<b>SUBTOTAL</b>	<b>\$358,860.00</b>



272 Route 206 - Suite 215  
 Flanders, NJ 07836-9081  
 Tel (973) 252-9340  
 Fax (973) 252-3069  
 www.guerinvreeland.com

**ROBERT P. GUERIN, P.E., P.P.**  
 bguerin@guerinvreeland.com

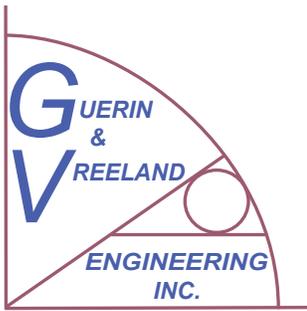
**MICHAEL G. VREELAND, P.E., P.P.**  
 mvreeland@guerinvreeland.com

**MAINTENANCE BOND ESTIMATE  
 INDIAN FIELD - PHASE THREE  
 HARDYSTON TOWNSHIP MUA**

PROJ. # 1017 & 1018  
 DATE: 4/22/16

PAGE 2 OF 3

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>DETENTION BASINS</b>					
31	SITE CLEARING	ACRES	0	\$2,500.00	0.00
32	BASIN EXCAVATION	C.Y.	0	3.00	0.00
33	18" REINFORCED CONCRETE PIPE	L.F.	0	30.00	0.00
34	36" REINFORCED CONCRETE PIPE	L.F.	0	50.00	0.00
35	18" FLARED END SECTIONS	EACH	0	750.00	0.00
36	36" FLARED END SECTIONS	EACH	0	1,500.00	0.00
37	STORM MANHOLES	EACH	0	1,500.00	0.00
38	OUTLET STRUCTURES	EACH	0	2,500.00	0.00
39	CONCRETE LOW FLOW CHANNEL	TONS	0	75.00	0.00
40	ANTI-SEEP COLLARS	EACH	0	2,500.00	0.00
41	SILT FENCE	L.F.	0	3.00	0.00
42	EROSION CONTROL MATTING	S.Y.	0	10.00	0.00
43	SEEDING AND STABILIZATION	ACRES	0	1,000.00	0.00
				<b>SUBTOTAL</b>	<b>\$0.00</b>



272 Route 206 - Suite 215  
 Flanders, NJ 07836-9081  
 Tel (973) 252-9340  
 Fax (973) 252-3069  
 www.guerinvreeland.com

**ROBERT P. GUERIN, P.E., P.P.**  
 bguerin@guerinvreeland.com

**MICHAEL G. VREELAND, P.E., P.P.**  
 mvreeland@guerinvreeland.com

**MAINTENANCE BOND ESTIMATE  
 INDIAN FIELD - PHASE THREE  
 HARDYSTON TOWNSHIP MUA**

PROJ. # 1017 & 1018  
 DATE: 4/22/16

PAGE 3 OF 3

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	<b>FOREST HILL WAY</b>				
44	SITE CLEARING	ACRES	0	\$2,500.00	0.00
45	ROADWAY EXCAVATION	C.Y.	0	3.00	0.00
46	ROADWAY FILL	C.Y.	0	5.00	0.00
47	DENSE GRADED AGGREGATE SUBBASE	S.Y.	0	4.00	0.00
48	BITUMINOUS STABILIZED BASE COURSE	S.Y.	0	8.50	0.00
49	FABC SURFACE COURSE	S.Y.	0	5.00	0.00
50	GRANITE BLOCK CURB	L.F.	0	14.00	0.00
51	CONCRETE SIDEWALK	S.Y.	0	45.00	0.00
52	GUIDE RAIL	L.F.	0	40.00	0.00
53	PAVEMENT STRIPING	L.S.	0	2,500.00	0.00
54	STORM INLETS	EACH	0	1,500.00	0.00
55	STORM MANHOLES	EACH	0	1,500.00	0.00
56	RECONSTRUCT STORM CHAMBER	EACH	0	3,500.00	0.00
57	15" REINFORCED CONCRETE PIPE	L.F.	0	24.00	0.00
58	18" REINFORCED CONCRETE PIPE	L.F.	0	30.00	0.00
59	24" REINFORCED CONCRETE PIPE	L.F.	0	35.00	0.00
60	30" REINFORCED CONCRETE PIPE	L.F.	0	40.00	0.00
61	36" REINFORCED CONCRETE PIPE	L.F.	0	50.00	0.00
62	RIP RAP APRON	TONS	0	50.00	0.00
63	8" DIP WATER MAIN (CLASS 52)	L.F.	154	35.00	5,390.00
64	GATE VALVES	EACH	5	1,200.00	6,000.00
65	FIRE HYDRANTS	EACH	5	2,500.00	12,500.00
66	TEST WATER SYSTEM	L.S.	0	5,000.00	0.00
67	STREET LIGHTS	EACH	0	500.00	0.00
68	SANITARY MANHOLES	EACH	8	1,500.00	12,000.00
69	DROP MANHOLE CONNECTIONS	EACH	3	500.00	1,500.00
70	8" PVC SANITARY SEWER	L.F.	805	30.00	24,150.00
71	CONCRETE ENCASEMENT	L.F.	20	50.00	1,000.00
72	SEWER MAIN TESTING	L.S.	0	10,000.00	0.00
73	INLET FILTERS	EACH	0	100.00	0.00
74	VEHICLE WHEEL CLEANER BLANKET	TONS	0	25.00	0.00
75	SEEDING AND STABILIZATION	ACRES	0	1,000.00	0.00
76	OUTLET RIP RAP	C.Y.	0	20.00	0.00
77	LANDSCAPING	L.S.	0	7,500.00	0.00
				<b>SUBTOTAL</b>	<b>\$62,540.00</b>
<b>TOTAL ESTIMATE CONSTRUCTION COSTS</b>					<b>\$421,400.00</b>
<b>TOTAL REQUIRED MAINTENANCE BOND (15%)</b>					<b>\$63,210.00</b>