

Building Permit Application

Howard County Maryland

Department of Inspections, Licenses and Permits

3430 Court House Drive

Permits: 410-313-2455

www.howardcountymd.gov

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<b>Date Recei</b>	ved:	1-6	U.	476.

Permit No.:

	· · · · · · · · · · · · · · · · · · ·		
Building Address: 1837(2 Che	Isea knows Dr	Property Owner's Name: NUR IN	
City: MT Area State:	207 - 2177!	Address: 9720 Paline of	causeds Dr
		City: Columbia State:	
Suite/Apt. #SDP/	WP/BA #:		Fax:
Census Tract:	Subdivision: Chicken k notis	Email:	
Section: Area:	1ot: 1(	Applicant's Name & Mailing Address, (If	other than stated herein)
Section: Area:	7.4	Applicant's Name: Jane Command	Jones
Tax Map: Parcel:	Grid:	Address: Po Box 1253	1
Zoning: Map Coordinate	es:Lot Size: 11816	City: Gldes Sure State:	Zip Code:
		Phone: 443-345 1239 Fax: Email: 128 charge Applied A	
Existing Use:		Email: Tenency (O) Applied A	Ly physics
Proposed Use: Sto ( ) proj	Done Took	Contractor Company: TECH A.	•
		Contact Person: Jest Kennes	
Estimated Construction Cost: \$8_	300	Address: 15km A-D (att	Cratin De
Description of Work:		City:State:	
	- Underground popular	License No. :	
		Phone:Fax	
Tank		Email:	
Occupant or Tenant:	*		
Was tenant space previously occupied?	Yes □No	Engineer/Architect Company:	
	,		,
Contact Name:		Responsible Design Prof.:	
Address: OWN AF		Address: Contraction	<i>"</i>
The state of the s		City:State:	
City:	State		
Phone:	_Fax:	Phone: Fax	
Email:	<u> </u>	Email:	-
Commercial Building Characteristics	Residential Building Characteristics	Utilities	MENTAL SARVE A SERVE
Height:	☐ SF Dwelling ☐ SF Townhouse	<u>Water Supply</u>	<b>罗斯克,1987年</b>
No. of stories:	Depth Width	☐ Public	是,你们是一种自然是是"GLED"。
Gross area, sq. ft./floor:	1 <sup>st</sup> floor: 2 <sup>nd</sup> floor:	□· Śrivate	Charles and the second
Assa of construction (sq. ft.):		Sewage Disposal	<b>多温的启发</b> "我还见话记忆大起
Area of construction (sq. ft.):	Basement:	☐ Public	ALERS AND REPORTED TO
Use group:	☐ Unfinished Basement	☐ Private	の内に対象。但と、近日直の対象に発展し
	☐ Crawl Space	Electric: Yes No	
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	☐ Slab on Grade	Electric. Lifes, Lino	
Construction type:		G G G N G N G N G	<ul> <li>If The left is desirable at all in the property of the contract.</li> </ul>
Construction type:  ☐ Reinforced Concrete	No. of Bedrooms:	Gas: ☐,Yes ☐ No	。 表現的概念 東京 東京 東京 東京 東京 東京 東京 東京 東京 東京
		<u>Heating System</u>	
☐ Reinforced Concrete	No. of Bedrooms:	30	
☐ Reinforced Concrete ☐ Structural Steel ☐ Masonry ☐ Wood Frame	No. of Bedrooms:  Multi-family Dwelling	<u>Heating System</u>	
☐ Reinforced Concrete ☐ Structural Steel ☐ Masonry	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:	Heating System ☐ Electric ☐ Oil	
☐ Reinforced Concrete ☐ Structural Steel ☐ Masonry ☐ Wood Frame	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:  No. of 3 BR units:	Heating System ☐ Electric ☐ Oil ☐ Natural Gas ☐ Propane Gas	
☐ Reinforced Concrete ☐ Structural Steel ☐ Masonry ☐ Wood Frame	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:  No. of 3 BR units:  Other Structure:	Heating System  Electric Oil Natural Gas Propane Gas Other:	
☐ Reinforced Concrete ☐ Structural Steel ☐ Masonry ☐ Wood Frame ☐ State Certified Modular	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:  No. of 3 BR units:  Other Structure:  Dimensions:	Heating System    Electric   Oil     Natural Gas   Propane Gas     Other:   Sprinkler System:	
☐ Reinforced Concrete ☐ Structural Steel ☐ Masonry ☐ Wood Frame ☐ State Certified Modular  ➤ Roadside Tree Project Permit	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:  No. of 3 BR units:  Other Structure:  Dimensions:  Footings:	Heating System    Electric   Oil     Natural Gas   Propane Gas     Other:   Sprinkler System:     Yes   No	
☐ Reinforced Concrete ☐ Structural Steel ☐ Masonry ☐ Wood Frame ☐ State Certified Modular  ➤ Roadside Tree Project Permit ☐ Yes ☐ No	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:  No. of 3 BR units:  Other Structure:  Dimensions:  Footings:  Roof:	Heating System    Electric   Oil     Natural Gas   Propane Gas     Other:   Sprinkler System:	er:
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☐ Reinforced Concrete ☐ Structural Steel ☐ Masonry ☐ Wood Frame ☐ State Certified Modular  ➤ Roadside Tree Project Permit ☐ Yes ☐ No	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:  No. of 3 BR units:  Other Structure:  Dimensions:  Footings:  Roof:	Heating System    Electric   Oil     Natural Gas   Propane Gas     Other:   Sprinkler System:     Yes   No	
□ Reinforced Concrete □ Structural Steel □ Masonry □ Wood Frame □ State Certified Modular  ➤ Roadside Tree Project Permit □ Yes □ No Roadside Tree Project Permit #  THE UNDERSIGNED HEREBY CERTIFIES AND AGRE WITH ALL REGULATIONS OF HOWARD COUNTY OF THIS APPLICATION (5) THAT HE/SHE GRANTS CONTACT OF THE STEEL OF THE	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units: No. of 1 BR units: No. of 2 BR units: No. of 3 BR units: Other Structure: Dimensions: Footings: Roof: State Certified Modular Manufactured Home  EES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE UNITY OFFICIALS THE RIGHT TO ENTER ONTO THIS PRO	Heating System  ☐ Electric ☐ Oil ☐ Natural Gas ☐ Propane Gas ☐ Other: Sprinkler System: ☐ Yes ☐ No  Grading Permit Numb	IS CORRECT; (3) THAT HE/SHE WILL COMP
□ Reinforced Concrete □ Structural Steel □ Masonry □ Wood Frame □ State Certified Modular  ➤ Roadside Tree Project Permit □ Yes □ No Roadside Tree Project Permit #  THE UNDERSIGNED HEREBY CERTIFIES AND AGRE WITH ALL REGULATIONS OF HOWARD COUNTY OF THIS APPLICATION (5) THAT HE/SHE GRANTS CONTACT OF THE STEEL OF THE	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:  No. of 3 BR units:  Other Structure:  Dimensions:  Footings:  Roof:  State Certified Modular  Manufactured Home  EES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE UNITY OFFICIALS THE RIGHT TO ENTER ONTO THIS PRO	Heating System    Electric	IS CORRECT; (3) THAT HE/SHE WILL COMI
□ Reinforced Concrete □ Structural Steel □ Masonry □ Wood Frame □ State Certified Modular  ▶ Roadside Tree Project Permit □ Yes □ No Roadside Tree Project Permit #  THE UNDERSIGNED HEREBY CERTIFIES AND AGRE WITH ALL REGULATIONS OF HOWARD COUNTY YITHIS APPLICATION. (S) THAT HE/SHE GRANTS CONTY YITHIS APPLICATION. (S) THAT HE/SHE GRANTS CONTY YITHIS APPLICATION.	No. of Bedrooms:  Multi-family Dwelling  No. of efficiency units:  No. of 1 BR units:  No. of 2 BR units:  No. of 3 BR units:  Other Structure:  Dimensions:  Footings:  Roof:  State Certified Modular  Manufactured Home  EES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE UNITY OFFICIALS THE RIGHT TO ENTER ONTO THIS PRO	Heating System    Electric   Oil     Natural Gas   Propane Gas     Other:   Sprinkler System:     Yes   No     Grading Permit Numb    Building Shell Permit Numb    Discourse   Discourse	IS CORRECT; (3) THAT HE/SHE WILL COMP
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AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
-Building Officials		
PSZA (Zoning)		
PSZA ( Engineering )	. , , 2	
Health	10/21/15	- Ra-RST
Is Sediment Control appr	oval requir	ed for issuance? Tyes T 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 Z	one:	
SDP/Red-line approval date:	* ¥	

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$ , 1
<b>Guaranty Fund</b>	\$ \\\\
Add'l per Fee	\$ 110
Total Fees	\$ . \
Sub-Total Paid	\$
Balance Due	. \$
Check	# 1.30

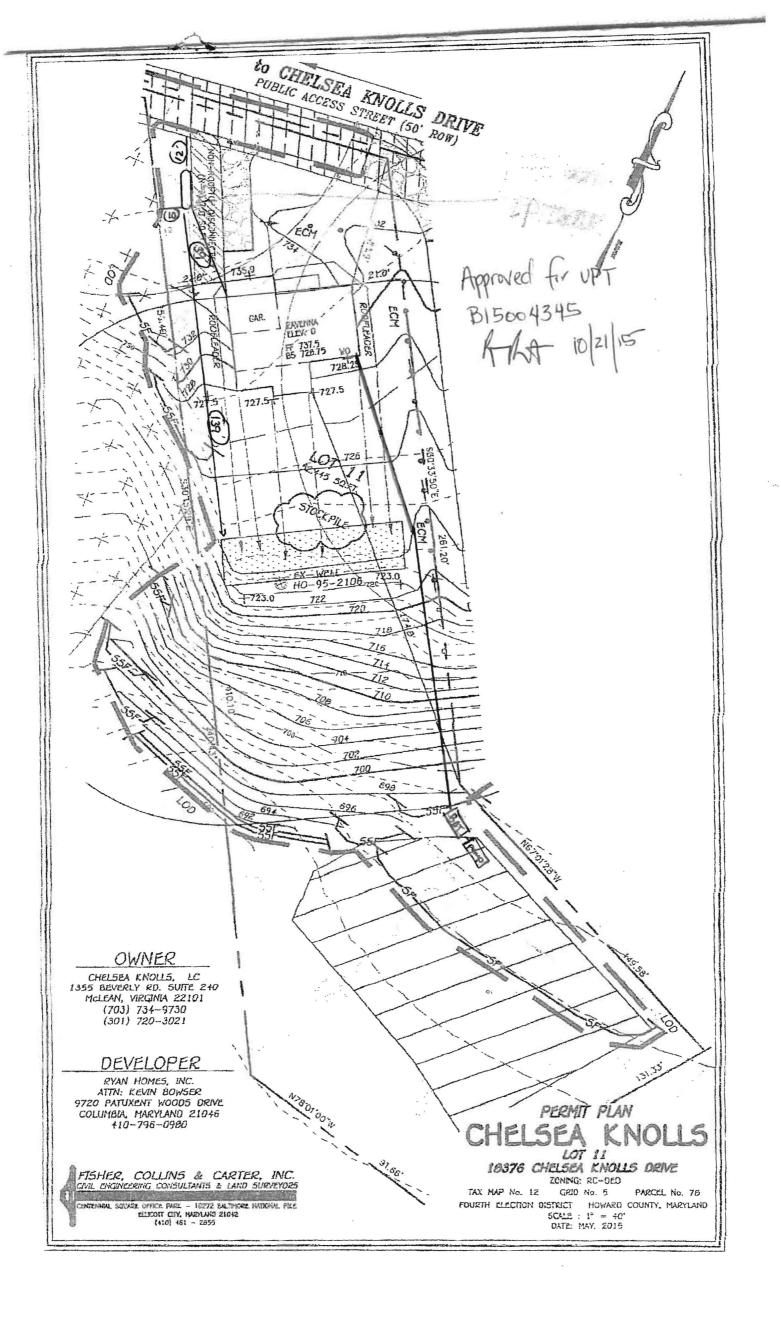
Distribution of Copies:

White: Building Officials

Green: PSZA,Zoning

Yellow: PSZA,Engineering

Gold: SHA





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Howard County Maryland

Department of Inspections, Licenses and Permits

3430 Court House Drive

Permits: 410-313-2455 www.howardcountymd.gov

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Date	Recei	ved:	-13/	10	4.2.4

Permit No.:

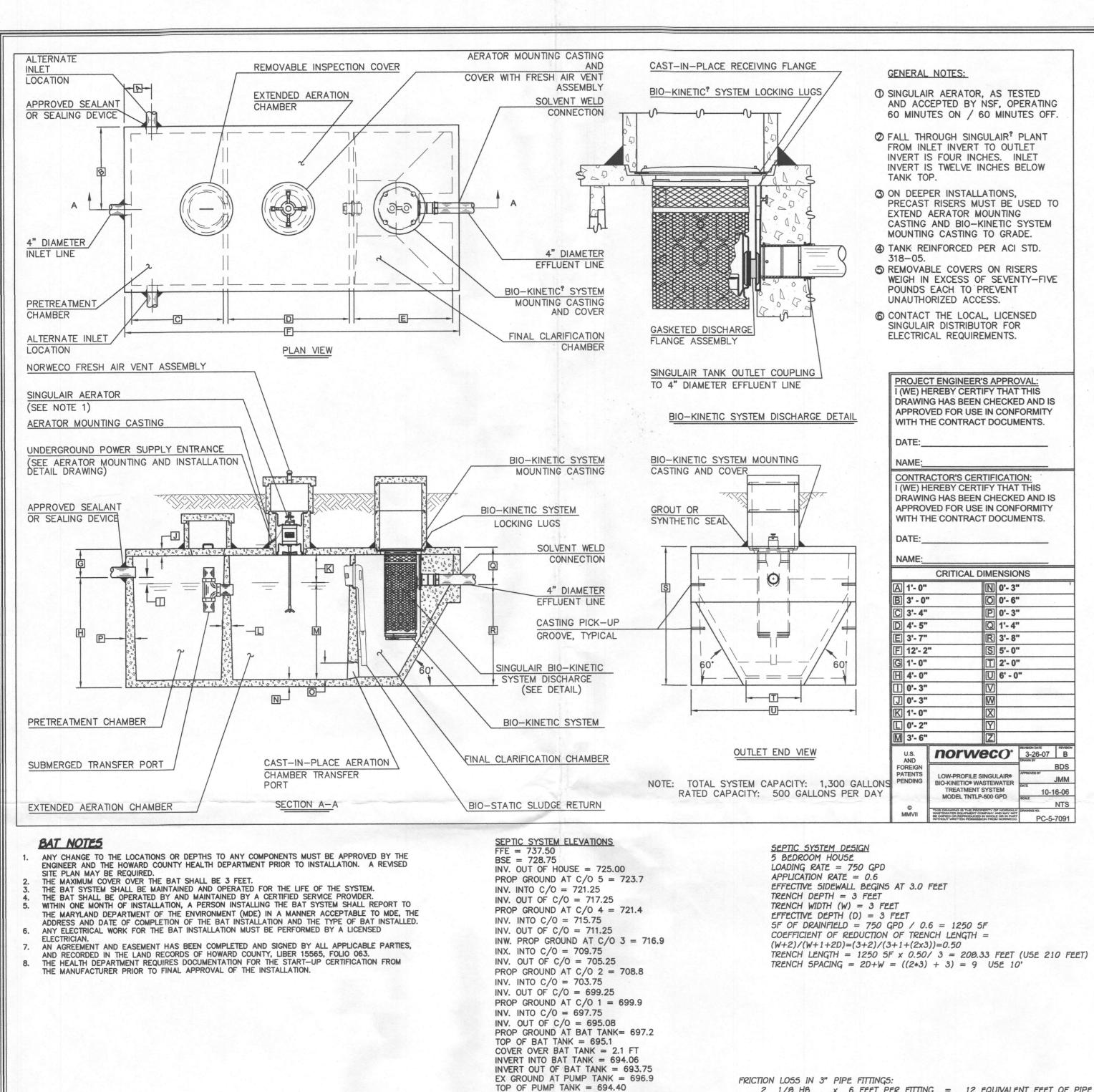
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Zip Code: 27046  er than stated herein)  Zip Code: 21786  Zip Code: 21786
Zip Code: 2178-0
Zip Code: 21780
Zip Code: 21780
Zip Code: 21780
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AND DESCRIPTION OF STREET, STORY
STATE OF THE STATE OF

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA ( Engineering )		
Health	10/21/15	- R-RS

☐ CONTINGENCY CONSTRUCTION START

☐ Yes	□No
☐ Yes	□No
☐ Yes	□No
one:	
	☐ Yes ☐ Yes ☐ Yes one:

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$ 10
<b>Guaranty Fund</b>	\$ \\\
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	# 6/ /30



COVER OVER BAT TANK = 2.5 FT

INVERT INTO PUMP TANK = 693.65

INVERT OUT OF PUMP TANK = 694.57

		LOW F	PRESSUI	RE DOS	ING SYS	TEM	– INITIA	AL INSTA	ALLATION	/
TRENCH	GROUND ELEV.	PIPE INVERT	TRENCH LENGTH (FT)	LATERAL PIPE LENGTH (FT)	PERFORATION DIAMETER (IN)	HEAD (FT)	PERFORATION FLOW RATE (GPM)	PERFORATION SPACING (FT)	NUMBER OF ORIFICES	TRENCH FLOW RATE (GPM)
1A1	695.1	692.1	52.5	49.88	5/16	2	1.63	5.25	10	16.3
1A2	695.1	692.1	52.5	49.88	5/16	2	1.63	5.25	10	16.3
181	694.0	691.0	52.5	49.22	5/16	3.1	2.02	6.56	8	16.16
182	694.0	691.0	52.5	49.22	5/16	3.1	2.02	6.56	8	16.16
								TOTAL TRENCH	FLOW RATE	64.92

				TREN	CH DE	SIGN				
TRENCH	GROUND ELEV.	TOP OF STONE ELEV.	PIPE INVERT ELEV.	DEPTH TO STONE FROM GROUND	DEPTH OF STONE (FT)	BOTTOM OF TRENCH ELEV.	EFFECTIVE DEPTH STARTS AT		WIDTH OF TRENCHES (W)	TRENCH SPACING
1A1	695.1	692.6	692.1	2.5'	3.5'	689.1	3'	3'	3.0'	10'
1A2	695.1	692.6	692.1	2.5'	3.5'	689.1	3'	3'	3.0'	10'
181	694.0	691.5	691.0	2.5'	3.5'	688.0	3'	3'	3.0'	10'
182	694.0	691.5	691.0	2.5'	3.5'	688.0	3'	3'	3.0'	10'

2 1/8 HB x 6 FEET PER FITTING = 12 EQUIVALENT FEET OF PIPE 3 TEE/CROSS x 17 FEET PER FITTING = 51 EQUIVALENT FEET OF PIPE UNION X 4 FEET PER FITTING = 4 EQUIVALENT FEET OF PIPE x 12 FEET PER FITTING = 24 EQUIVALENT FEET OF PIPE 2 ELBOWS TOTAL EQUIVALENT FEET OF PIPE = 91 FT

131 LF X 0.93 FT PER 100 LF OF PIPE = 1.22 FT OF FRICTION HEAD DISTAL HEAD = 2.00 FT VERTICAL FROM PUMP OFF TO DISCHARGE = 3.66 FT OF FRICTION HEAD TOTAL DYNAMIC HEAD = 6.88 FT

TOTAL LINEAR FEET OF 3" 5CH. 40 PVC = 91 LF + 40 LF = 131 LF

<u>PIPE VOLUMES</u>
40 LF (3" 5CH. 40 PIPE) X 38.4 GALLONS PER 100 LF = 15.4 GALLONS 157.4 LF (1.5" 5CH. 40 PIPE) X 10.6 GALLONS PER 100 LF = 16.7 GALLONS

MINIMUM DOSE = (5 X LATERAL PIPE VOLUME) + (FORCE MAIN & MANIFOLD)  $= (5 \times 16.7) + (15.4)$ = 98.9 GALLONS

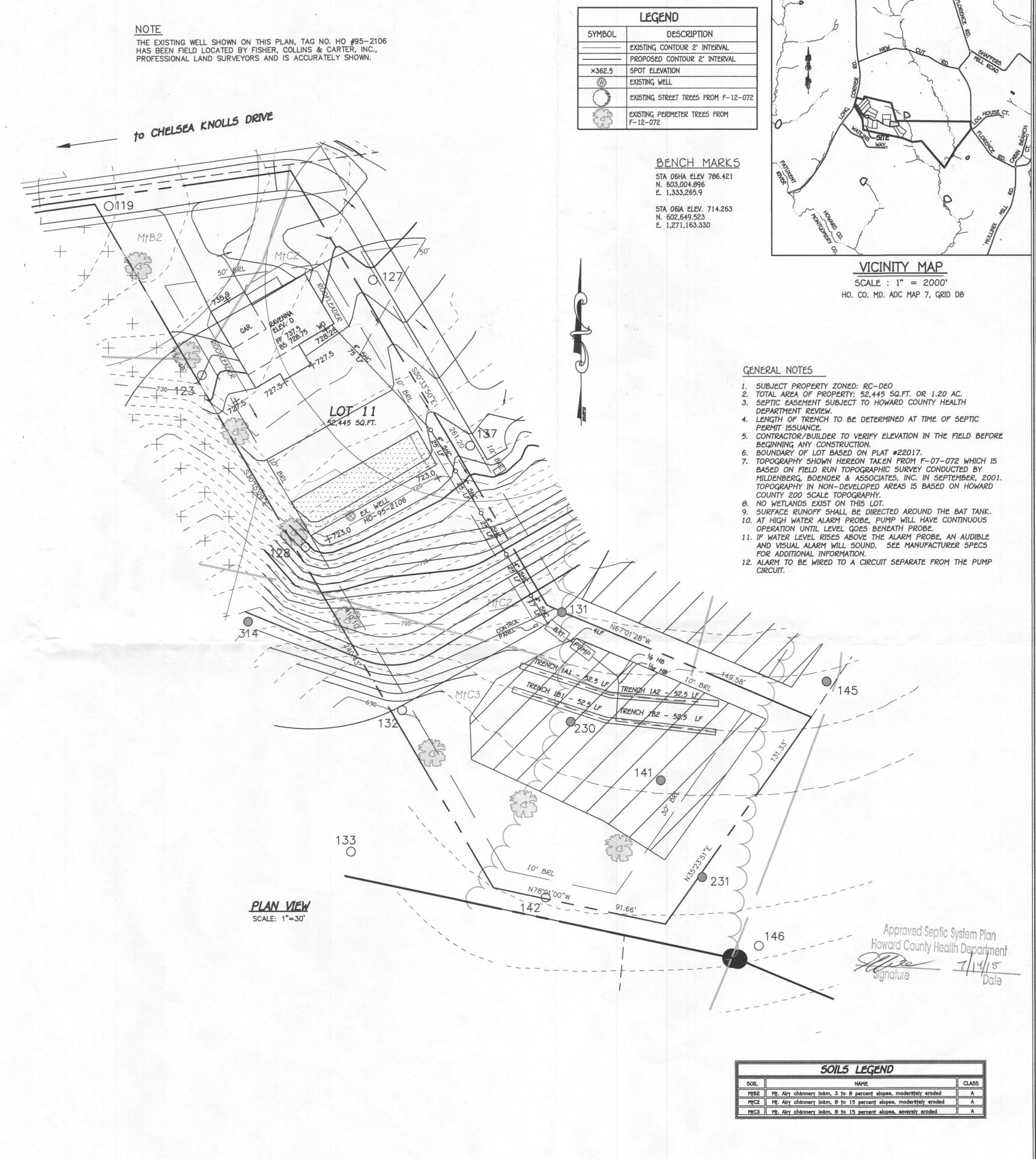
USE 129.6 GALLON DOSE (125 GALLON MINIMUM) (RUN TIME = 2 MIN (64.92 GPM X 2 = 129.84 GALLON DOSE)PUMP NEEDS TO HANDLE 64.92 GPM AT 7 FT OF HEAD PUMP HORSEPOWER - USE 0.3 HP (WE03M PUMP)

98.9 GALLONS IS LESS THAN 1/6 DESIGN FLOW (750/6=125)

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

peranu





OWNER

CHELSEA KNOLLS, LC

MCLEAN, VIRGINIA 22101

(703) 734-9730

(301) 720-3021

DEVELOPER

RYAN HOMES, INC.

ATTN: KEVIN BOWSER

9720 PATUXENT WOODS DRIVE

COLUMBIA, MARYLAND 21046

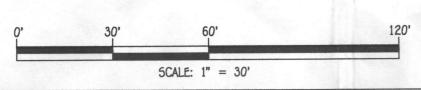
410-796-0980

BAT SITE PLAN

18376 CHELSEA KNOLLS DRIVE

ZONING: RC-DEO TAX MAP No. 12 GRID No. 5 PARCEL No. 78 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND DATE: FEBRUARY, 2015 SHEET 1 OF 2

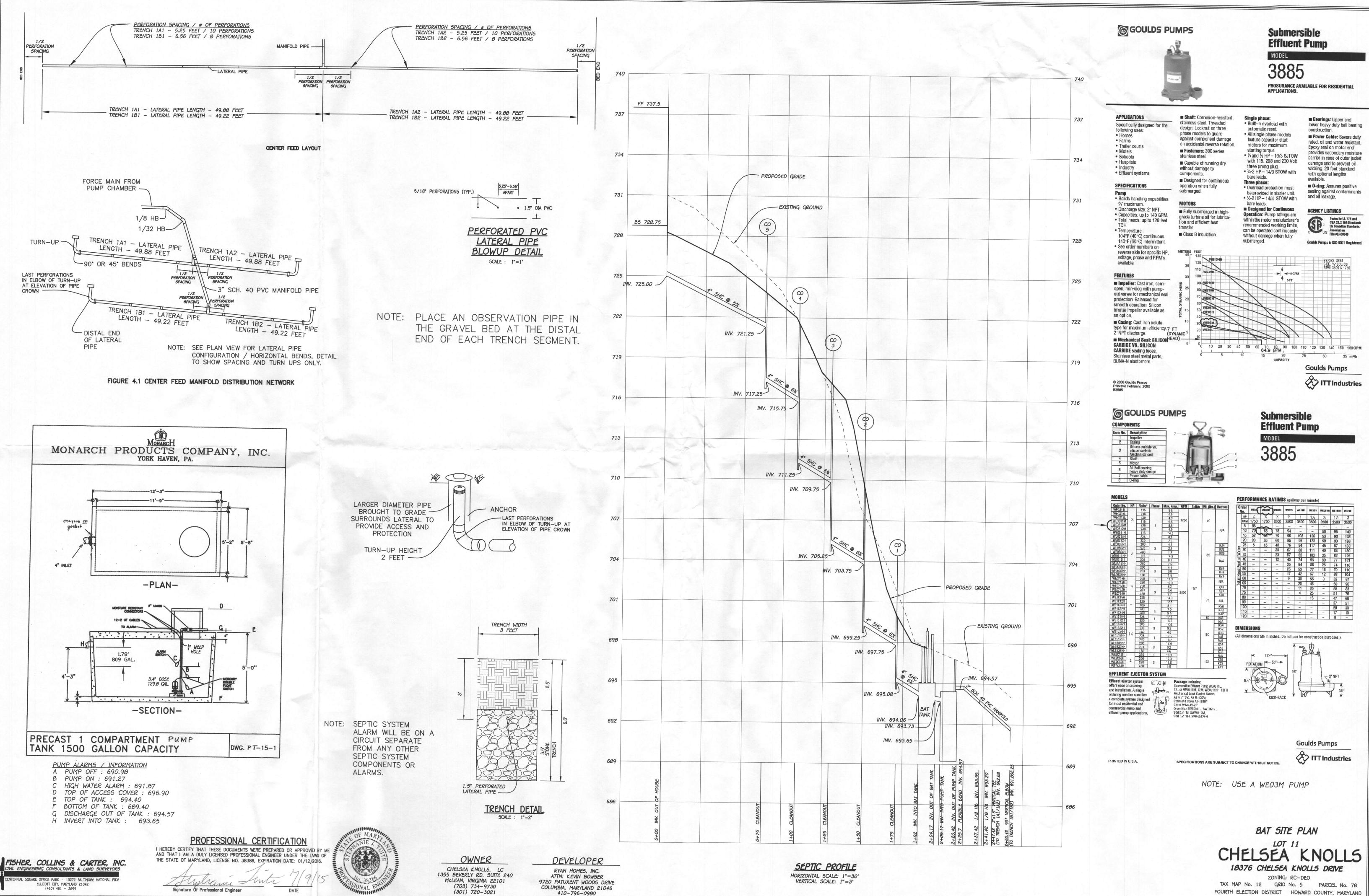
FISHER, COLLINS & CARTER, INC. L SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042



THE STATE OF MARYLAND, LICENSE NO. 38386, EXPIRATION DATE: 01/12/2016. Signature Of Professional Engineer



1355 BEVERLY RD. SUITE 240



FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: FEBRUARY, 2015
SHEET 2 OF 2