

# **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

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

RECEIPT DATE: 128 ONSITE SEWAGE DISPOSAL SYSTEM P 567291			
APPROVAL DATE: 6/3/2020(ST) PERMIT: CONSTRUCTION A			
PROPERTY ADDRESS: 3985 Sharp Road			
SUBDIVISION: Charles Sharp Property LOT: 7 TAX ID: 04-346947			
CONTRACTOR: Sam's Creek EMAIL:			
CONTRACTOR ADDRESS: 2810 Sam's Creek Road, New Windsor, MD 21776 PHONE: 443-821-4932			
PROPERTY OWNER: Daniel Habersat and Brittany Goldberg EMAIL: (500) HH5 - 974.025			
OWNER ADDRESS: 3816 Swan House Court, Burtonsville, MD, 20866 PHONE:			
SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Babylon			
PUMP MODEL: Zoeller PUMP SIZE 0.5HP PUMP TANK CAPACITY: 1500			
DISTRIBUTION SYSTEM:   GRAVITY PRESSURE DOSED BEDROOMS:   APPLICATION RATE: 0.8			
LINEAR FEET REQUIRED: 111.56 INLET DEPTH: 1.5			
TRENCHES: TRENCH WIDTH: 3 MAXIMUM BOTTOM DEPTH: 8			
MINIMUM SPACE  BETWEEN TRENCHES: 13 EFFECTIVE AREA BEGINNING DEPTH: 3			
PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED			
SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.			
Use 2 trenches at 55.78LF			
NOTES:			
ISSUED BY: Hank Oswald ISSUE DATE: 1/28/2020 EXPIRATION DATE: 1/28/202			
NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION			
NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING			
NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.			
NOTE: WATERTIGHT TANKS REQUIRED			
NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS			
NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM			
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE  TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA			
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE			

SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT. CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

<del>270189279189</del>	NOT TO SCALE	TRENCH/DRAINFIELD DATA
270189279189 AS	ATTACHED BUILT	TRENCH/DRAINFIELD DATA WIDTH INLET BOTTOM  3
		MANHOLE LOC
		WATERTIGHT TESTSLOTTED
S	HARP POAD	DATE ON LIDO \ 18 1020
INSTALLATION: 2/4/12 Completed, par Main connection. ST TANKS ALE TRAFF Cof3/2020 Pump an outlet next to circuit	L 2x56 TR. TANK, SDA, TR LC. TANK IS IN SWALE. S WARD W & 3' COVER. OSOS CONFIRMS 112 REQUIRED TWO trenchs dug, partially filled t of force main laid out to ) Office main laid out to EIC REARING. PEINSPECT SIC d alaim observed to function Alas t breater (circuit labeled "Outlet on that EHC is complete. Si	ET ST IN PT LOCATION.  SHOWS 3 TRENCHES.  LINEAR FT P  WITH STONE ST) 2/18/20 trenches  Reinspect for d-box and force  AND ?/A REFORE FINAL.  In located in basement, Plugged into  (Alarm). Contractor gave
FINAL INSPECTOR	Lugan Thomas DATE OF A	APPROVAL (0/3/2020 .

Distances AC:214' BC:244' Ab:269' BD:288'

\* TANKS ARE TRAFFIC BEARING Ho-88-0712 Ex. House

AND MOVED OUT OF SWALE.

AT MUCH AS POSSIBLE.

\* HOUSE RE-PLUMBED TO MAKE FALL
TO TANKS

Sharp Rd

## Oswald, Hank

From:

Oswald, Hank

Sent:

Tuesday, August 06, 2019 10:04 AM

To:

Tony Fertitta

Subject:

Septic Specs\_3985 Sharp Road

Attachments:

septic specs\_3985 sharp rd.pdf

Hi Tony:

Attached, please find septic specs for 3985 Sharp Road.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov



### **CONFIDENTIALITY NOTICE**

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.



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

### **MEMORANDUM**

TO:

Fisher, Collins & Carter, Inc. 10272 Baltimore National Pike

Ellicott City, MD 21042

FROM:

Hank Oswald, L.E.H.S.

Well & Septic Program

RE:

**OSDS Plan** 

3985 Sharp Road

Date:

August 13, 2019

The OSDS Plan has been reviewed with the following comments:

- 1.) Relocate tanks closer to house to shorten run and avoid potential clogging issue.
- 2.) Utilize right side of SDA by redesigning systems with 3 2 ft. wide trenches and relocating D-box to upper center of SDA.
- 3.) The scale appears to be 40 (not 50).

Website: www.hchealth.org Facebook: www.facebook.com/hocohealth Twitter: @HoCoHealth

# Oswald, Hank

From:

Oswald, Hank

Sent:

Tuesday, August 13, 2019 9:49 AM

To:

'Tony Fertitta'

Subject:

ODSDS Plan\_3985 Sharp Road

**Attachments:** 

OSDS Memo To FCC\_2019.pdf

Hi Tony:

Attached, please find memo with comments to the OSDS Plan for 3985 Sharp Road. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

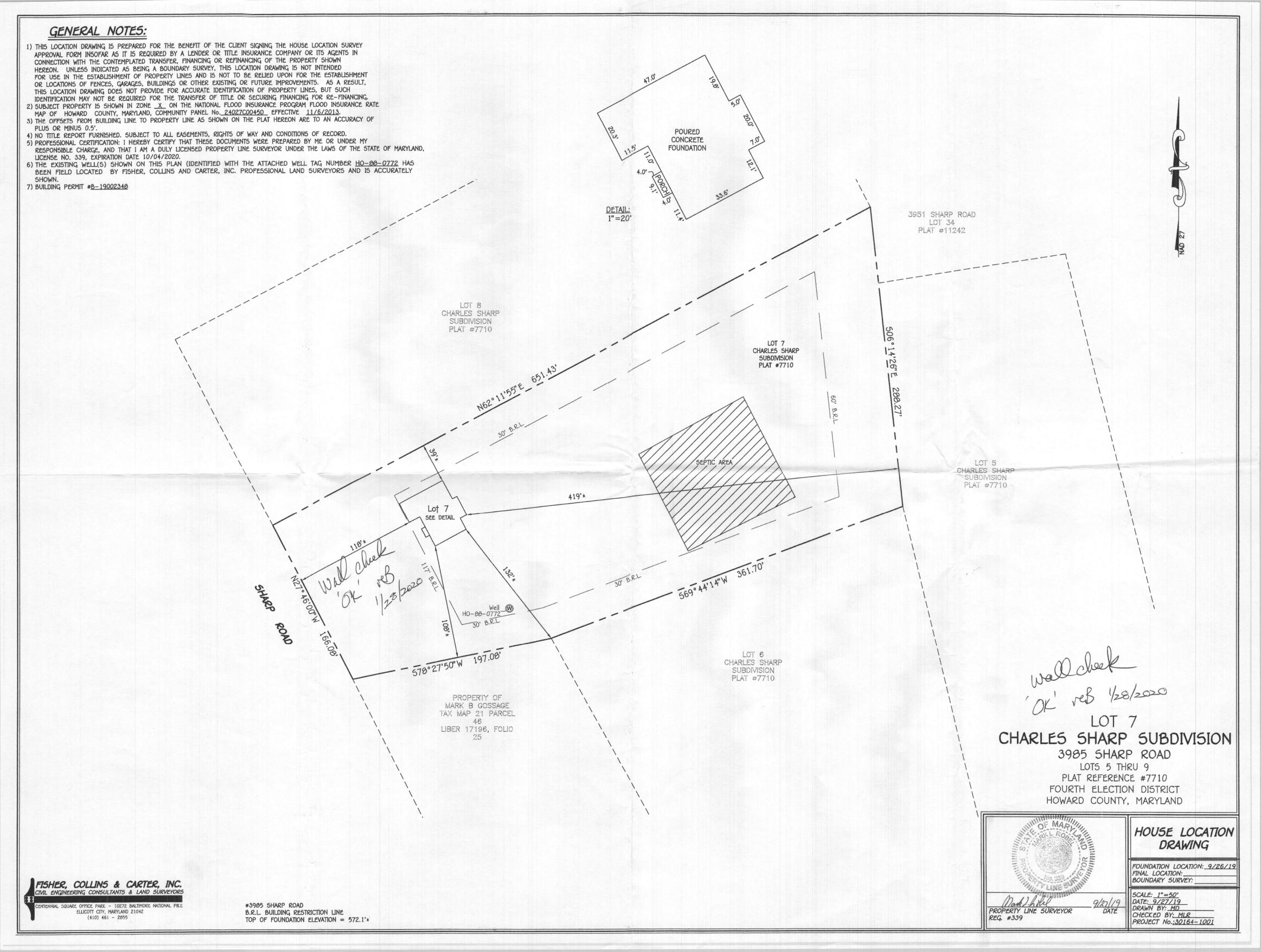
Hank Oswald Licensed Environmental Health Specialist Howard County Health Department Bureau of Environmental Health Well & Septic Program 8930 Stanford Boulevard Columbia, MD 21045 410.313.1786 (Office)

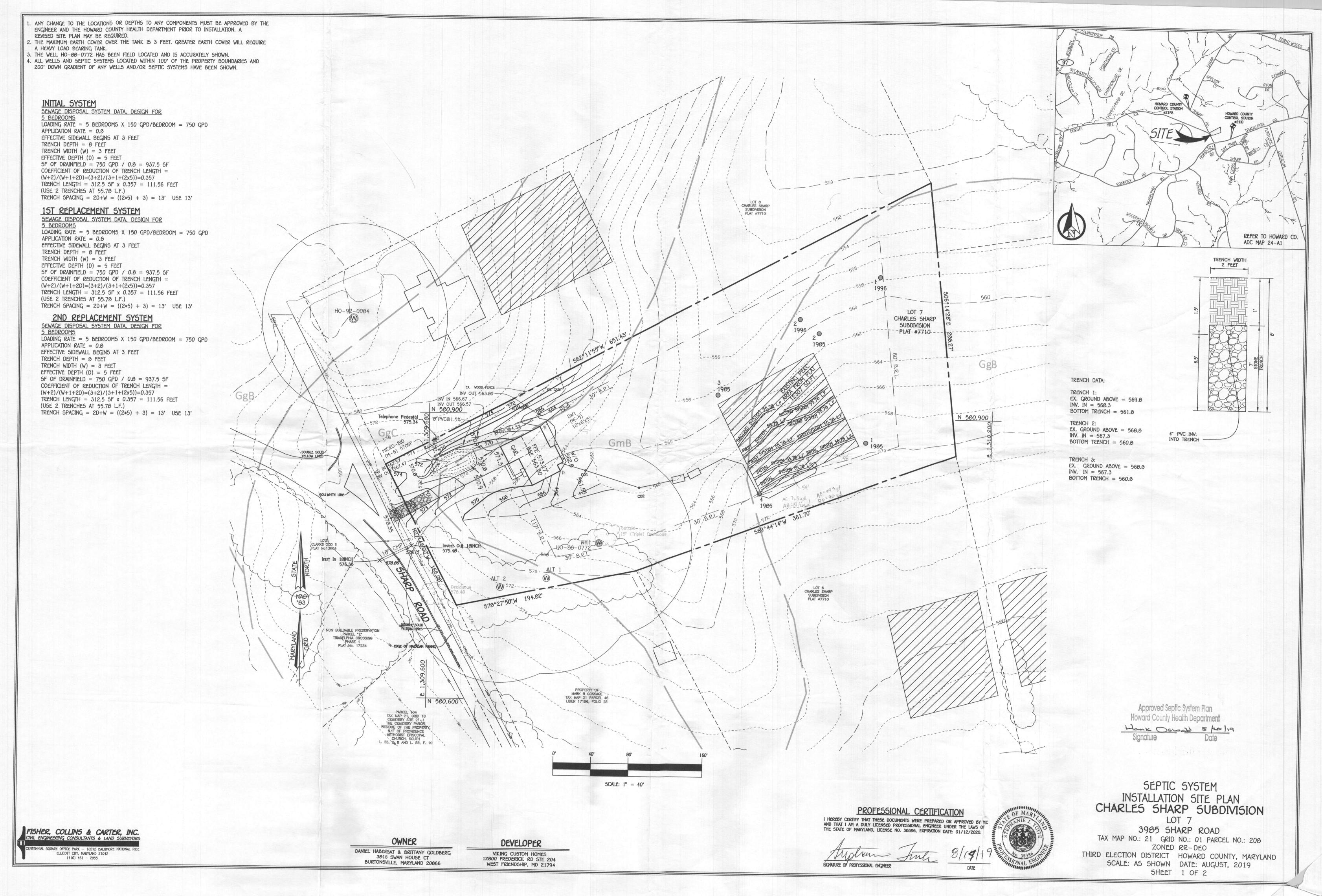
hoswald@howardcountymd.gov



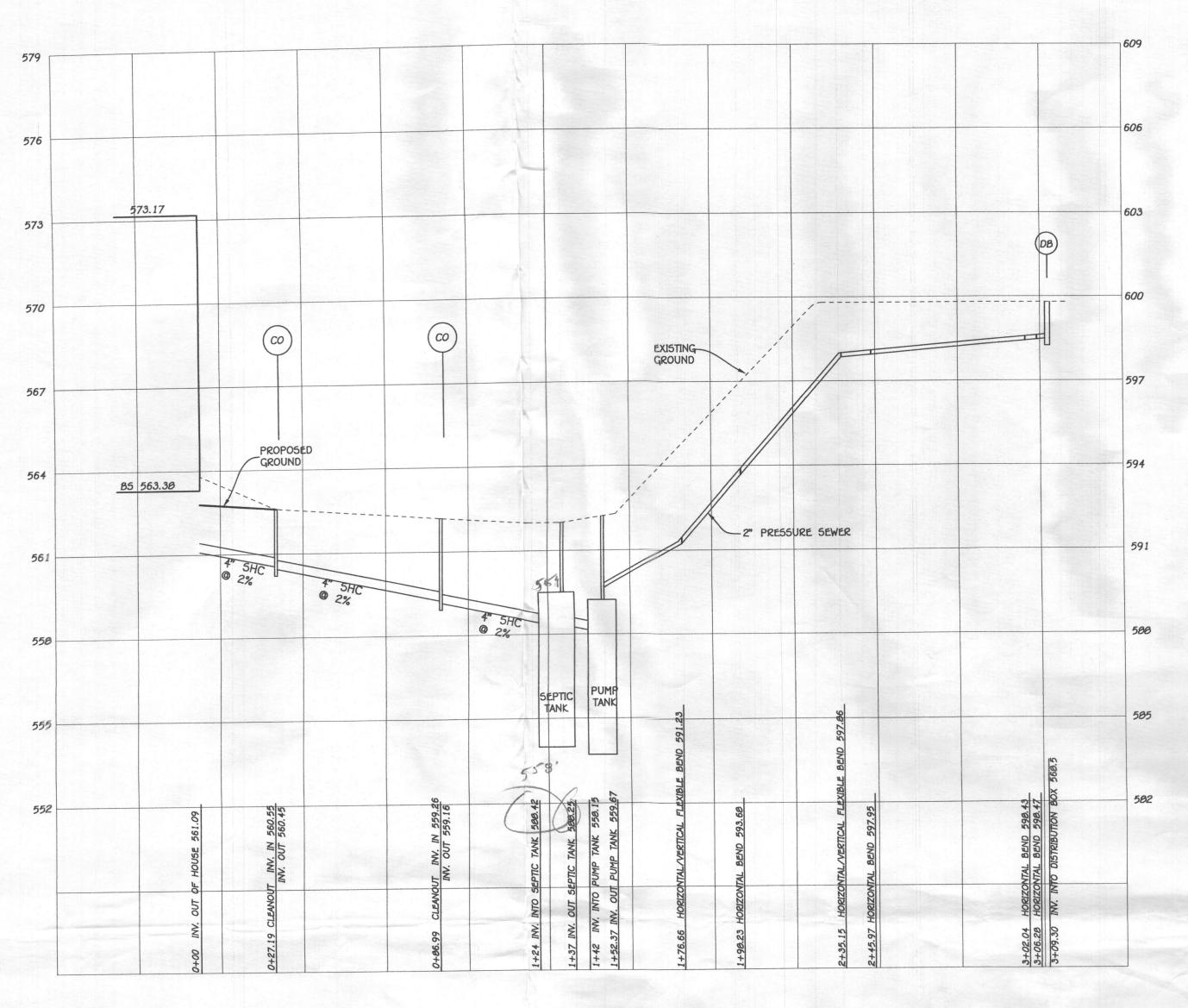
### **CONFIDENTIALITY NOTICE**

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.





DSKPROJ\30164\Engineering\Dwgs\30164-1001 SepticInstall Plan.dwg, Septic Install Plan, 1



SEPTIC PROFILE SCALE: 1"=30"

NOTE: SEPTIC SYSTEM ALARM WILL BE ON A CIRCUIT SEPARATE FROM ANY OTHER SEPTIC SYSTEM COMPONENTS OR

> PUMP ALARMS / INFORMATION A PUMP OFF: 555.65 B PUMP ON : 555.99 C HIGH WATER ALARM: 556.33 D TOP OF ACCESS COVER: 562.3 TOP OF TANK : 559.23

G DISCHARGE OUT OF TANK : 559.67

F BOTTOM OF TANK : 553.65

H INVERT INTO TANK : 558.15

H 9" 1.82' 651 CA' 12-2 UF CABLES 651 GAL.

651 + 280.5 = 931 Cuft EMERGENCY STORAGE NOTE: THIS DETAIL IS TO BE USED FOR FLOAT CONFIGURATION ONLY - SEE DETAIL ABOVE FOR TANK DIMENSIONS AND ACTUAL LOCATION OF ACCESS COVER.

2" 5CH. 40 PVC = 157 LF 1 UNION @ 2 EQUIVALENT FEET = 2 LF 7 1/8 HB @ 4 EQUIVALENT FEET = 28 LF TOTAL LINEAR FEET OF 2" SCH. 40 PVC = 187 LF

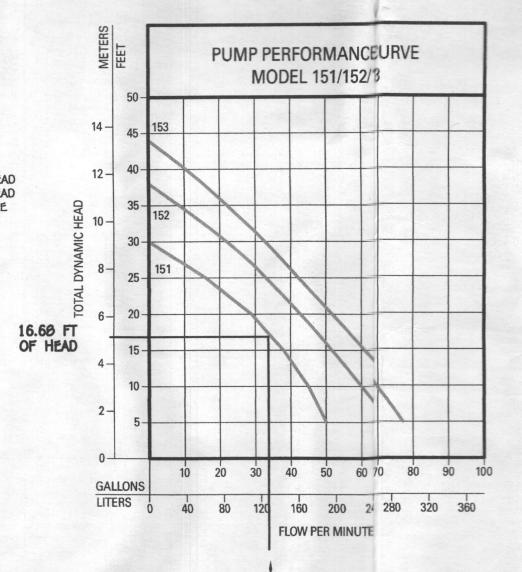
DYNAMIC HEAD

187 LF X 2.05 FT PER 100 LF OF 2" PIPE = 3.83 FT OF FRICTION HEAD

VERTICAL FROM PUMP OFF TO HIGH POINT IN PUMP CHAMBER = 4.02 FT OF FRICTION HEAD HIGH POINT IN PUMP CHAMBER TO HIGHEST ELEV OF SYSTEM = 8.83 FT (PUMP OUT IS THE HIGHEST POINT)

TOTAL DYNAMIC HEAD = 16.68 FT 1/6 DESIGN FLOW (750/6=125)

USE 132 GALLON DOSE (125 GALLON MINIMUM) (RUN TIME = 4 MIN (33 GPM X 4 = 132 GALLON DOSE) PUMP NEEDS TO HANDLE 33 GPM AT 16.60 FT OF HEAD USE 0.5 HP (ZOELLER MODEL 151 PUMP)





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

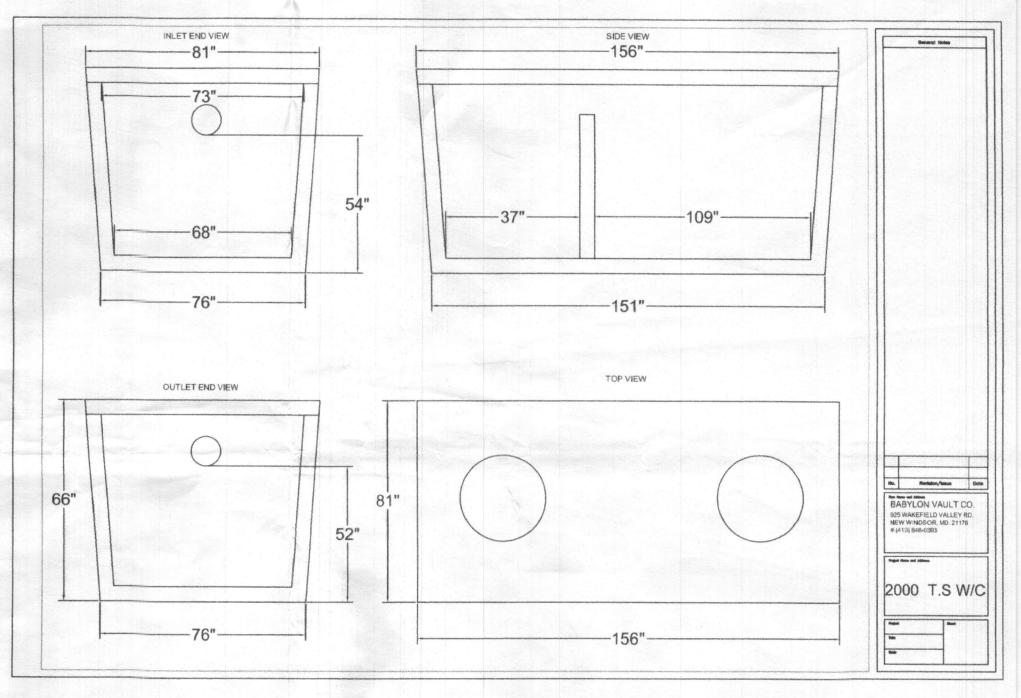
OWNER

DEVELOPER VIKING CUSTOM HOMES 12800 FREDERICK RD STE 204 WEST FRIENDSHIP, MD 21794

TOP VIEW 1500 T.S

PUMP TANK DETAIL

NOT TO SCALE



FFE 573.17 BSE 563.30 INV. OUT OF HOUSE = 561.09PROP. GROUND AT CLEANOUT # 1 = 562.6 INV. INTO CLEANOUT = 560.55 INV. OUT OF CLEANOUT = 560.45 PROP. GROUND AT CLEANOUT # 2 = 562.2 INV. INTO CLEANOUT = 559.26 INV. OUT OF CLEANOUT = 559.16 EX. GROUND AT SEPTIC TANK = 562.0 PROP. GRADE ABOVE SEPTIC TANK = 562.0 TOP OF SEPTIC TANK = 559.42 INV. INTO SEPTIC TANK = 558.42 INV. OUT OF SEPTIC TANK = 558.25 EX. GROUND AT PUMP TANK = 562.3 PROP. GRADE ABOVE PUMP TANK = 562.3 TOP OF PUMP TANK = 559.23 INV. INTO PUMP TANK = 558.15 INV. OUT OF PUMP TANK = 559.67 EX. GROUND AT DISTRIBUTION BOX = 569.8 INV. INTO DISTRIBUTION BOX = 568.5 INV. OUT OF DISTRIBUTION BOX = 568.3

SEPTIC SYSTEM INSTALLATION SITE PLAN
CHARLES SHARP SUBDIVISION

LOT 7 3985 SHARP ROAD TAX MAP NO.: 21 GRID NO.: 01 PARCEL NO.: 208

ZONED RR-DEO THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: AUGUST, 2019

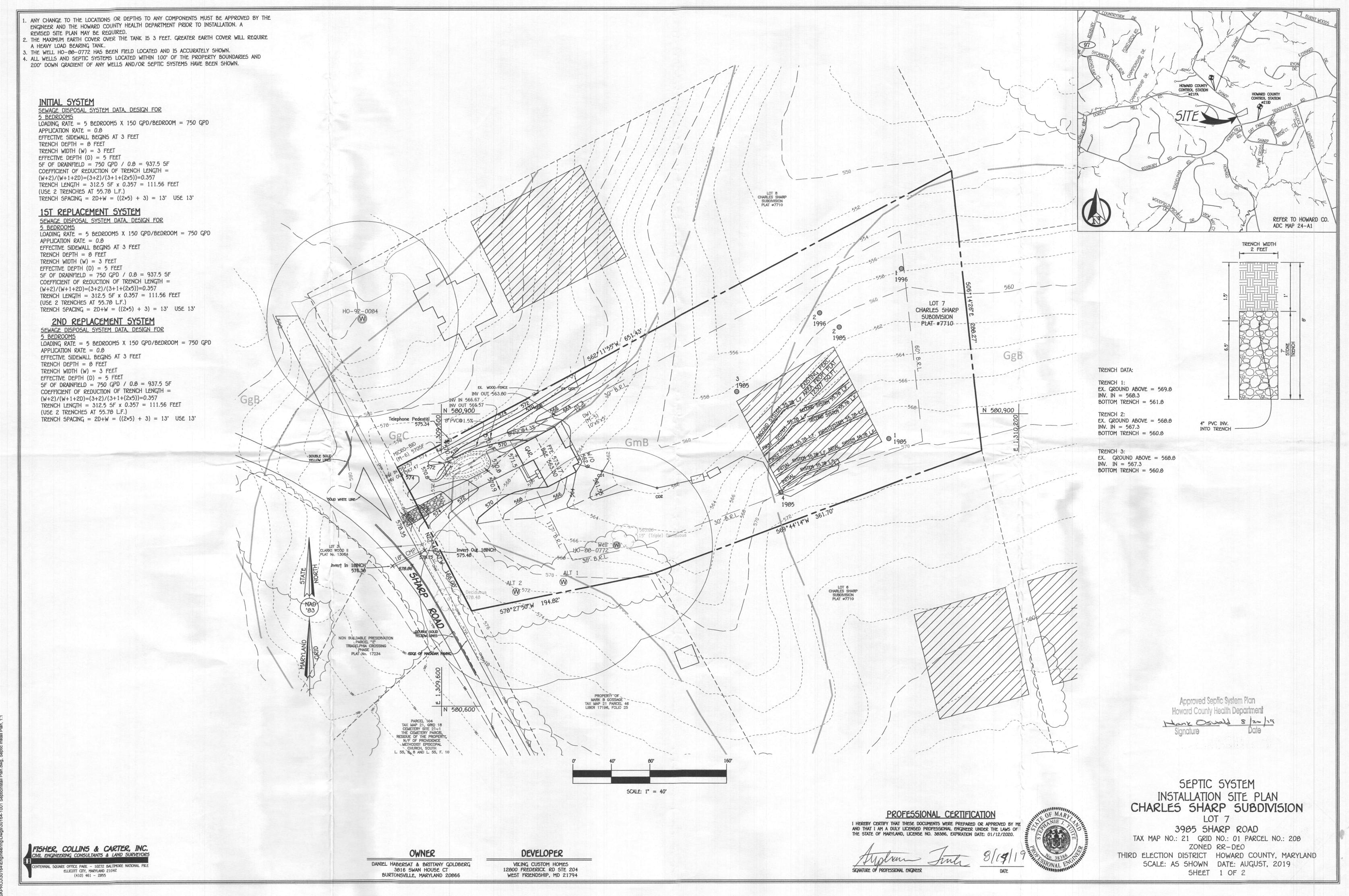
SHEET 2 OF 2

SCALE: 1" = 30'

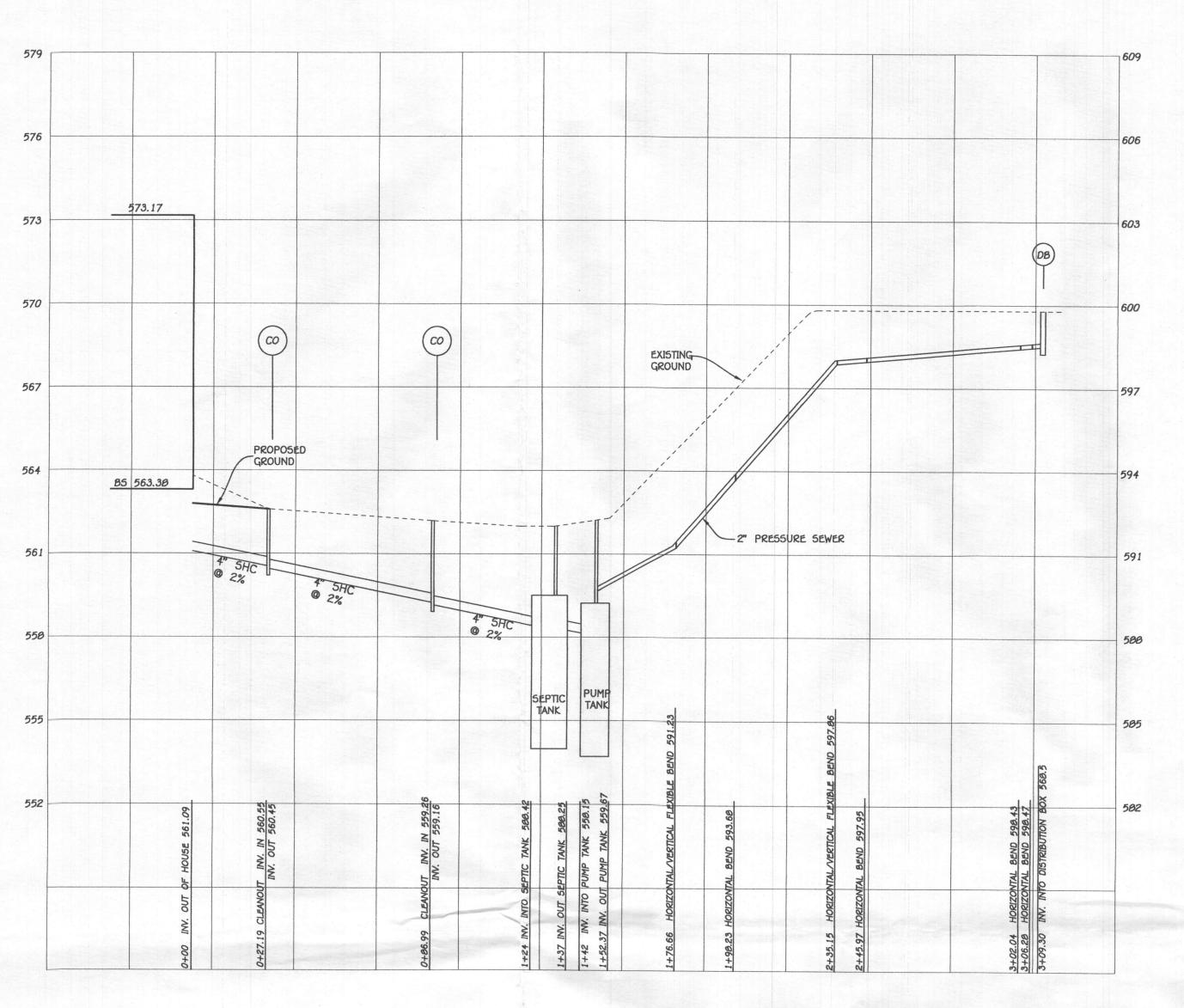
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS TENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2855 THE STATE OF MARYLAND, LICENSE NO. 20748, EXPIRATION DATE: 02/22/2019.

DANIEL ERSAT & BRITTANY GOLDBERG

316 SWAN HOUSE CT BUNSVILLE, MARYLAND 20066



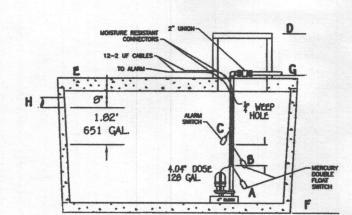
and Habert short ower and Habertshare Anna Anna Anna Section (1994) Anna Section (1994) Anna Section (1994)



SEPTIC PROFILE SCALE: 1"=30"

NOTE: SEPTIC SYSTEM ALARM WILL BE ON A CIRCUIT SEPARATE FROM ANY OTHER SEPTIC SYSTEM COMPONENTS OR ALARMS.

> B PUMP ON : 555.99 C HIGH WATER ALARM : 556.33 D TOP OF ACCESS COVER : 562.3 E TOP OF TANK : 559.23 BOTTOM OF TANK : 553.65 G DISCHARGE OUT OF TANK : 559.67 H INVERT INTO TANK : 558.15



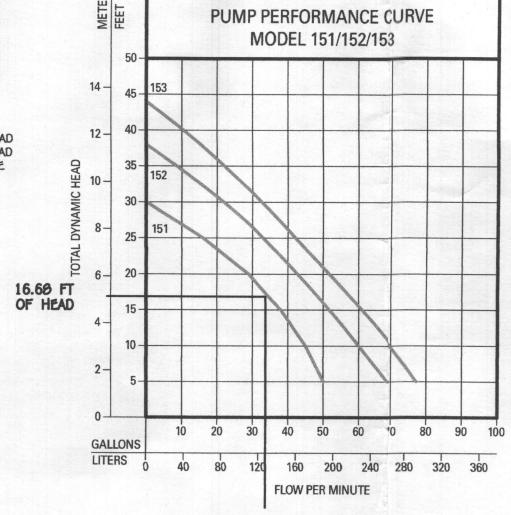
651 + 280.5 = 931 Cuft EMERGENCY STORAGE NOTE: THIS DETAIL IS TO BE USED FOR FLOAT CONFIGURATION ONLY - SEE DETAIL ABOVE FOR TANK DIMENSIONS AND ACTUAL LOCATION OF ACCESS COVER.

2" SCH. 40 PVC = 157 LF 1 UNION @ 2 EQUIVALENT FEET = 2 LF 7 1/8 HB @ 4 EQUIVALENT FEET = 28 LF TOTAL LINEAR FEET OF 2" 5CH. 40 PVC = 187 LF

167 LF X 2.05 FT PER 100 LF OF 2" PIPE = 3.03 FT OF FRICTION HEAD VERTICAL FROM PUMP OFF TO HIGH POINT IN PUMP CHAMBER = 4.02 FT OF FRICTION HEAD HIGH POINT IN PUMP CHAMBER TO HIGHEST ELEV OF SYSTEM = 8.83 FT (PUMP OUT IS THE

TOTAL DYNAMIC HEAD = 16.68 FT

1/6 DESIGN FLOW (750/6=125) USE 132 GALLON DOSE (125 GALLON MINIMUM) (RUN TIME = 4 MIN (33 GPM X 4 = 132 GALLON DOSE) PUMP NEEDS TO HANDLE 33 GPM AT 16.60 FT OF HEAD USE 0.5 HP (ZOELLER MODEL 151 PUMP)





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.



OWNER 3316 SWAN HOUSE CT

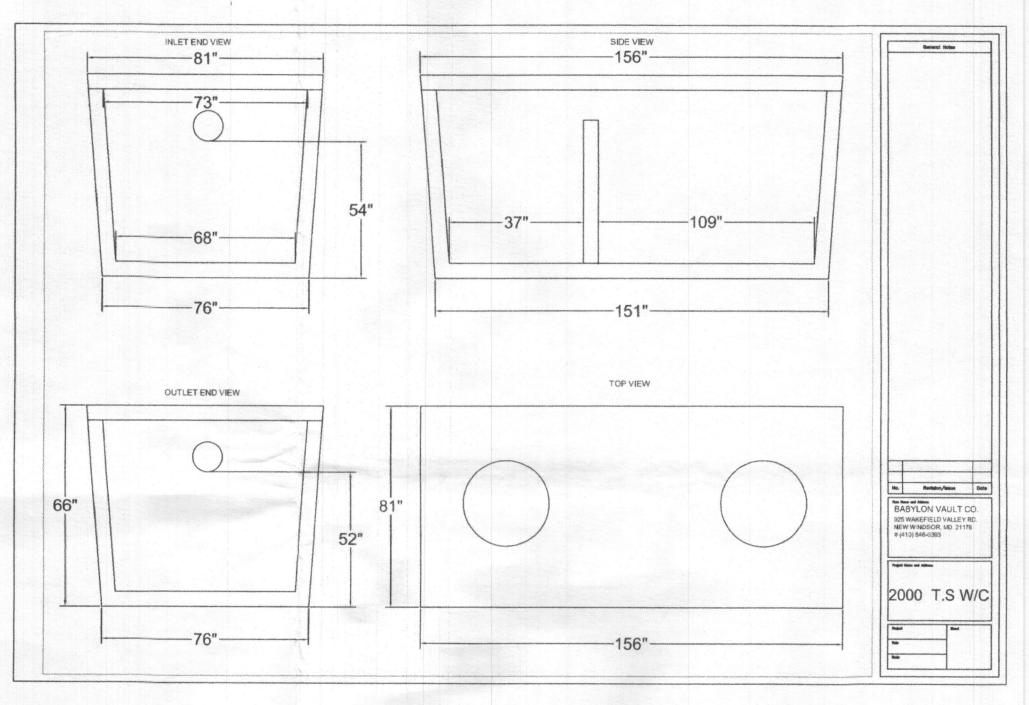
DEVELOPER VIKING CUSTOM HOMES 12800 FREDERICK RD STE 204

WEST FRIENDSHIP, MD 21794

TOP VIEW 1500 T.S

PUMP TANK DETAIL

NOT TO SCALE



FFE 573.17 BSE 563.30 INV. OUT OF HOUSE = 561.09PROP. GROUND AT CLEANOUT # 1 = 562.6 INV. INTO CLEANOUT = 560.55 INV. OUT OF CLEANOUT = 560.45 PROP. GROUND AT CLEANOUT # 2 = 562.2 INV. INTO CLEANOUT = 559.26 INV. OUT OF CLEANOUT = 559.16 EX. GROUND AT SEPTIC TANK = 562.0 PROP. GRADE ABOVE SEPTIC TANK = 562.0 TOP OF SEPTIC TANK = 559.42 INV. INTO SEPTIC TANK = 558.42 INV. OUT OF SEPTIC TANK = 558.25 EX. GROUND AT PUMP TANK = 562.3 PROP. GRADE ABOVE PUMP TANK = 562.3 TOP OF PUMP TANK = 559.23 INV. INTO PUMP TANK = 558.15 INV. OUT OF PUMP TANK = 559.67 EX. GROUND AT DISTRIBUTION BOX = 569.8 INV. INTO DISTRIBUTION BOX = 568.5 INV. OUT OF DISTRIBUTION BOX = 568.3

SEPTIC SYSTEM INSTALLATION SITE PLAN
CHARLES SHARP SUBDIVISION

LOT 7 3985 SHARP ROAD

TAX MAP NO.: 21 GRID NO.: 01 PARCEL NO.: 208 ZONED RR-DEO THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: AUGUST, 2019

SHEET 2 OF 2

SCALE: 1" = 30" FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS ENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE

(410) 461 - 2855

DANIEL HAVERSAT & BRITTANY GOLDBERG

BURTOISVILLE, MARYLAND 20066