



Howard County
Health Department

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

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

RECEIPT DATE: 3/16/20 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 567347

APPROVAL DATE: 3/20/20 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 3720 Sharp Road

SUBDIVISION: Nicolas Sharp LOT: 10 TAX ID: _____

CONTRACTOR: Marc D. Hereth EMAIL: _____

CONTRACTOR ADDRESS: 2551 Florence Road PHONE: 301-580-5977

PROPERTY OWNER: Stephan & Tina Hochstetler EMAIL: _____

OWNER ADDRESS: 21501 Goshen Hunt Lane PHONE: _____

SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: Babylon

PUMP MODEL: _____ PUMP SIZE _____ PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: ☒ GRAVITY ☐ PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>103.13 FT</u>	INLET DEPTH: <u>2 FT</u>
	TRENCH WIDTH: <u>2 FT</u>	MAXIMUM BOTTOM DEPTH: <u>7.5 FT</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11 FT</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3 FT</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Install 2 trenches of 52 feet in length	

ISSUED BY: H. Oswald ISSUE DATE: 3/16/20 EXPIRATION DATE: 3/16/21

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

☒ ELECTRICAL PERMIT ISSUED E MA

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.

279189279189

NOT TO SCALE

SEE ATTACHED
AS BUILT

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	3.4'	7.5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		115'
ABSORPTION AREA		115' + side wall
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

PRE-CONSTRUCTION:**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL yes
 MANUFACTURER Babylon
 CAPACITY 1500 GAL
 SEAM LOC top
 TANK LID DEPTH 1.5'
 BAFFLES front + back
 BAFFLE FILTER -
 MANHOLE LOC front + back
 6" PORT LOC -
 WATERTIGHT TEST -
 SLOTTED yes
 DATE ON LID 2-12-20

PUMP/SEPTIC TANK LEVEL

MANUFACTURER _____
 CAPACITY _____ GAL
 SEAM LOC _____
 TANK LID DEPTH _____
 BAFFLES _____
 BAFFLE FILTER _____
 MANHOLE LOC _____
 6" PORT LOC _____
 WATERTIGHT TEST _____
 SLOTTED _____
 DATE ON LID _____

03/18/2020 LAD OUT 2X 52' TRENCHES. CONFIRMED HOUSE SEWER LINE
 OUT. OK TO MOVE D BOX BETWEEN 2 TRENCHES. (P)

INSTALLATION: 3/19/2020 SHC, tank and d-box set and connected. Due to change in
 SHC elevation, trench inlet lowered by 1'4". Added 10' to second trench to
 maintain same sq ft of treatment zone. (S) 3/20/20 - Contractor onsite finishing
 up dbox set up, trenches complete, d box level and trench levelers ok. Inlet adjusted
 to 3.4' inlet, stone looked good, ok to backfill. (RP)

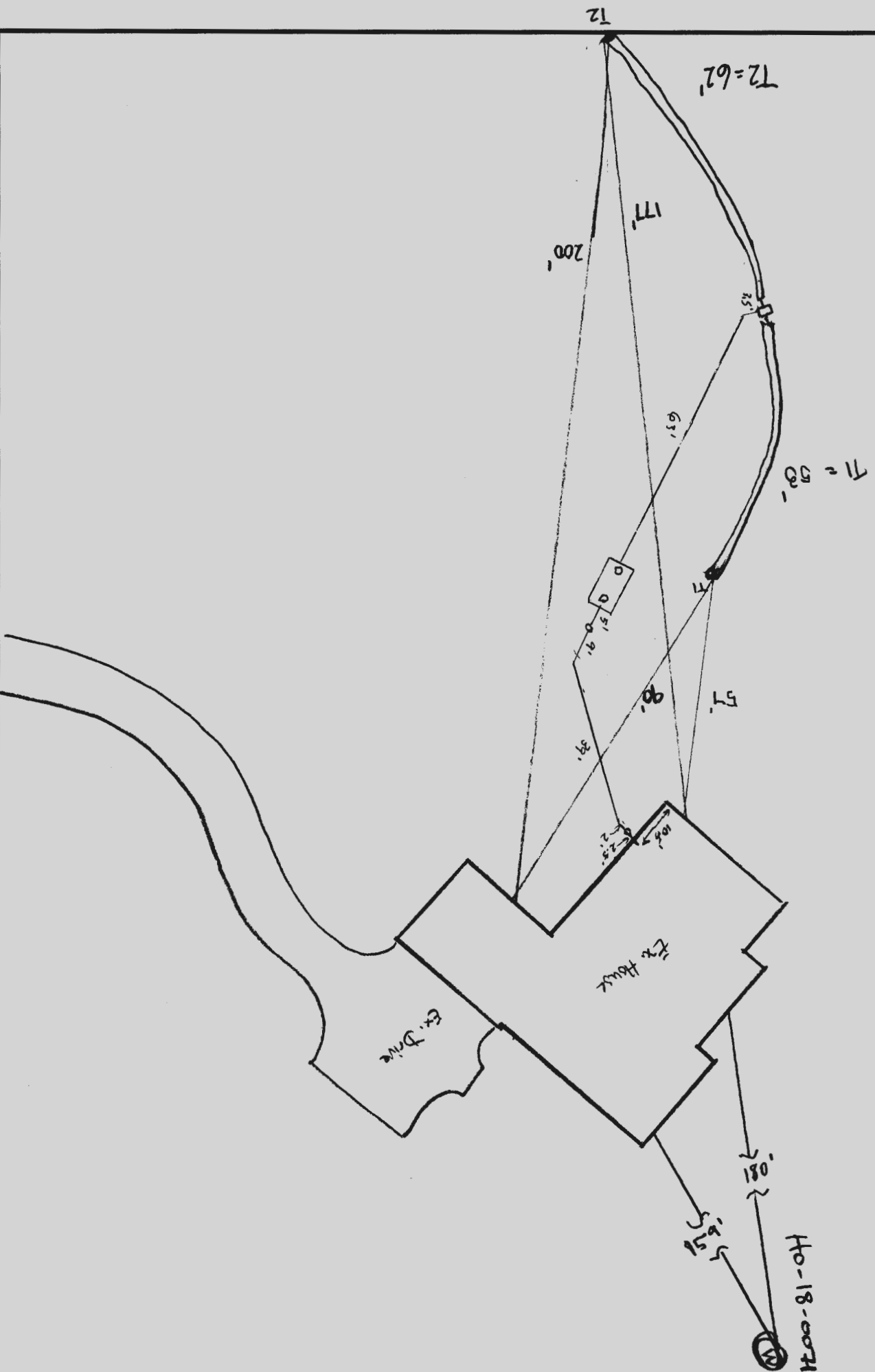
FINAL INSPECTOR

R. Rappaport

DATE OF APPROVAL

3/20/20

NOT TO SCALE



Date: 2-12-20

Oswald, Hank

From: Oswald, Hank
Sent: Monday, August 19, 2019 9:34 AM
To: 'roshannj@aol.com'
Cc: 'gphillips@mred.us'; mlanigan@carusohomes.com; Williams, Jeffrey
Subject: Septic Specs Sheets
Attachments: Septic Spec Sheet_Old Roxbury Road.pdf; Septic Spec Sheet_Brighton Dam.pdf; Septic Spec Sheet_Nicholas Sharp_Lot10.pdf

Good morning All:

Attached, please find septic specs for the following properties:

- 1- 4375 Old Roxbury Road, Brookeville. Lot-2, Plat 20858.
- 2- Parcel 232, Tax Map-34, Grid 13 off of Brighton Dam Road, Clarksville.
- 3- Lot-10, Property of Nicholas O Sharp, 3720 Sharp Road, Glenwood.

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.

Oswald, Hank

From: Oswald, Hank
Sent: Thursday, October 24, 2019 9:10 AM
To: Stephen Hochstetler
Subject: RE: B19003473_3720 Sharp Road
Attachments: WS_SharpRoad_3720_SepticPermit-2019_Hank.pdf

Hello Mr. Hochstetler:

Attach, please find a copy of the septic plan for 3720 Sharp Road.

Hank

Hank Oswald
Well and Septic Program

From: Stephen Hochstetler <sph147@gmail.com>
Sent: Thursday, October 24, 2019 9:05 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: Re: B19003473_3720 Sharp Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi Hank,

Thanks for talking to me this morning. If you could send me the septic plan you worked from that would be great. Then I can go back to the engineer and ask him to make those changes.

Steve Hochstetler

On Thu, Oct 24, 2019 at 7:37 AM Mike Crosen <mike@crosenhomes.com> wrote:

Something to think about with your septic design. See comments below.

Michael Crosen
443.324.4775

Begin forwarded message:

From: "Oswald, Hank" <hoswald@howardcountymd.gov>
Date: October 23, 2019 at 10:23:09 AM EDT
To: Mike Crosen <mike@crosenhomes.com>
Subject: B19003473_3720 Sharp Road

Hello Mr. Crosen:

Building permit # B19003473 (3720 Sharp Road) has been approved by the Health Department. Please see attached basement bedroom memo.

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

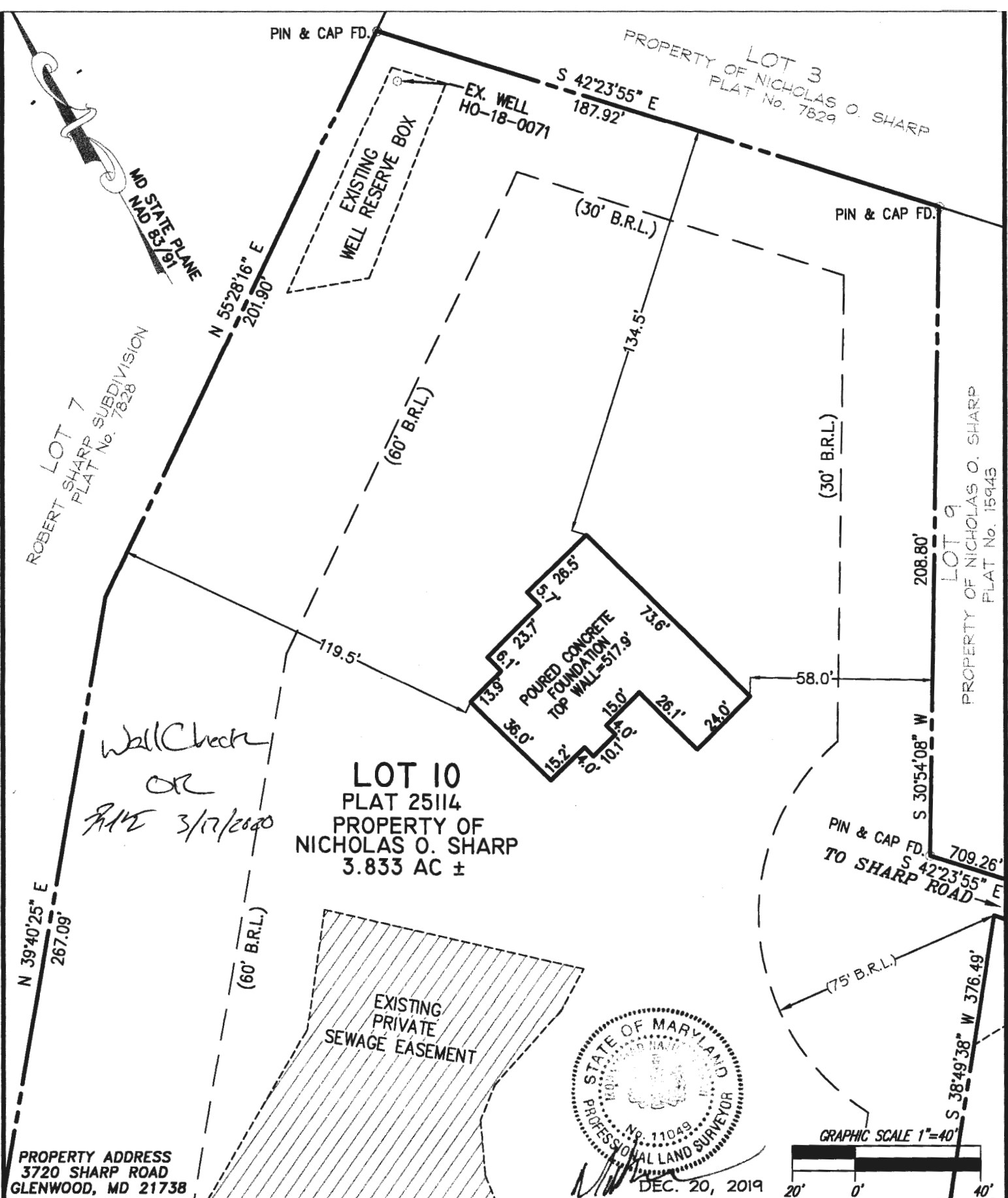
Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

410.313.1786 (Office)

hoswald@howardcountymd.gov



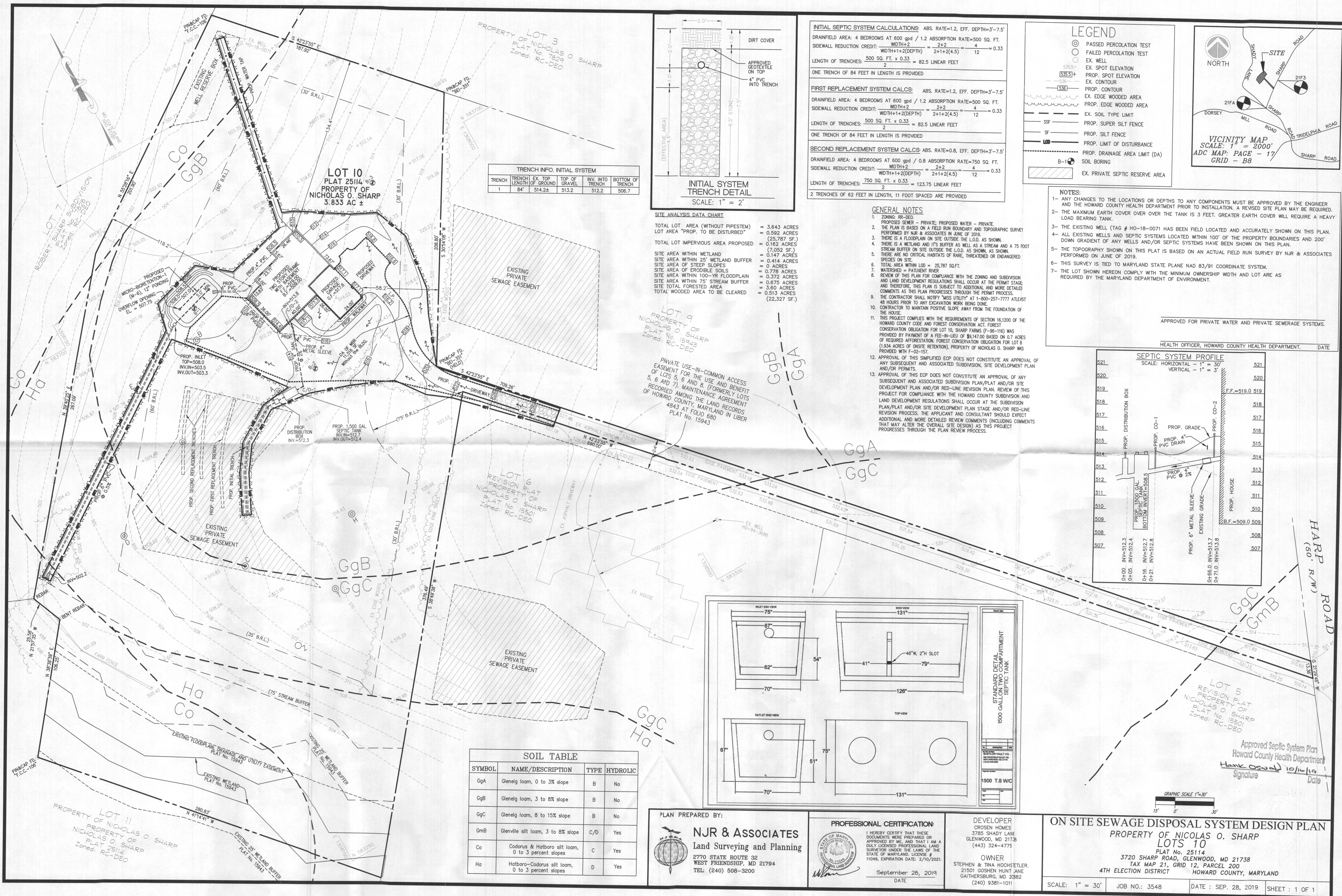
WALL-CHECK
PROPERTY OF NICOLAS O. SHARP
LOTS 10
PLAT No. 25114
TAX MAP 21, GRID 12, PARCEL 200
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DESIGNED BY: NJ
CHECKED BY: WR
SCALE: 1" = 40'
DATE: DEC. 19, 2019
PROJECT No. 3548
SHEET: 1 OF 1

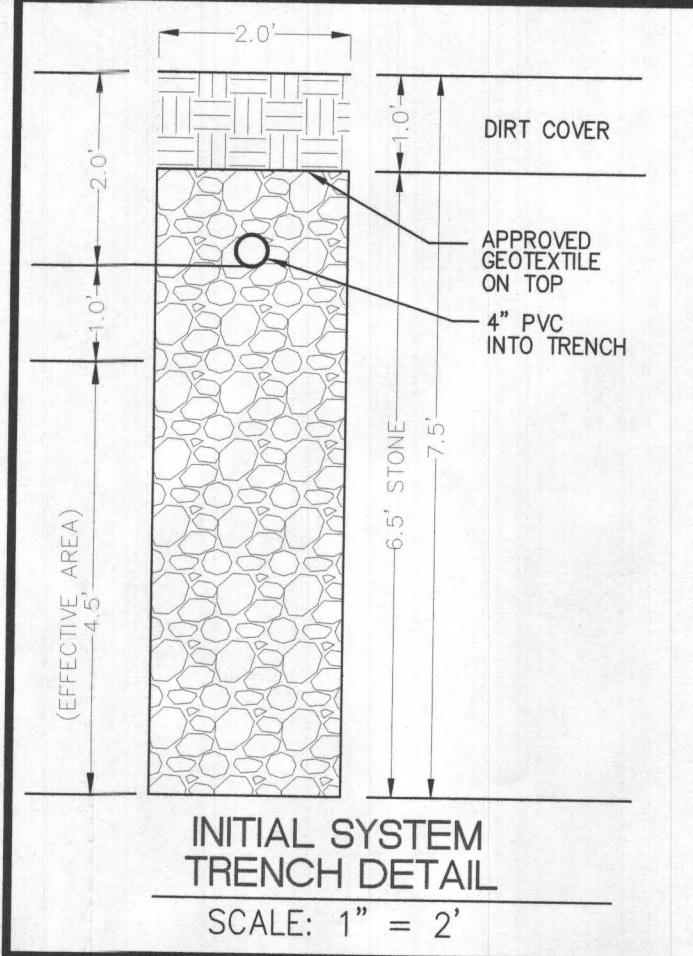
PREPARED BY:



NJR & ASSOCIATES, LLC.
LAND SURVEYING AND PLANNING
2770 STATE ROUTE 32
WEST FRIENDSHIP, MD 21794
TEL: (240) 508-3200



TRENCH INFO, INITIAL SYSTEM				
TRENCH	TRENCH LENGTH	EX. TOP OF GROUND	TOP OF GRAVEL	INV. INTO TRENCH
1	84'	514.2±	513.2	512.2
				506.7



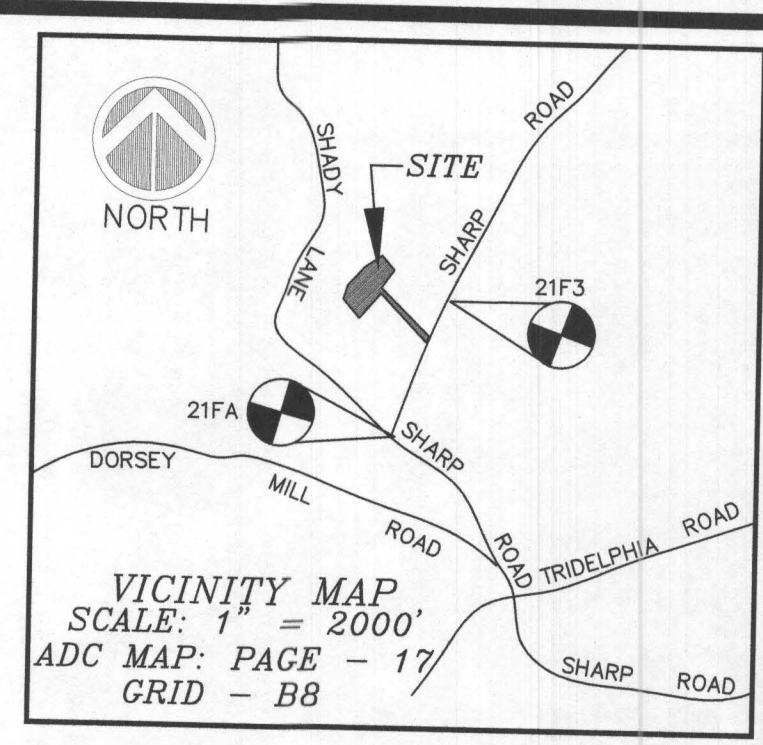
INITIAL SEPTIC SYSTEM CALCULATIONS: ABS. RATE=1.2, EFF. DEPTH=3'-7.5'
DRAINFIELD AREA: 4 BEDROOMS AT 600 gpd / 1.2 ABSORPTION RATE=500 SQ. FT.
SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{2} = \frac{2+2}{2} = 2$ $\frac{2+1+2(4.5)}{12} = 0.33$
LENGTH OF TRENCHES: $\frac{500 \text{ SQ. FT.} \times 0.33}{2} = 82.5 \text{ LINEAR FEET}$
ONE TRENCH OF 84 FEET IN LENGTH IS PROVIDED

FIRST REPLACEMENT SYSTEM CALCS: ABS. RATE=1.2, EFF. DEPTH=3'-7.5'
DRAINFIELD AREA: 4 BEDROOMS AT 600 gpd / 1.2 ABSORPTION RATE=500 SQ. FT.
SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{2} = \frac{2+2}{2} = 2$ $\frac{2+1+2(4.5)}{12} = 0.33$
LENGTH OF TRENCHES: $\frac{500 \text{ SQ. FT.} \times 0.33}{2} = 82.5 \text{ LINEAR FEET}$
ONE TRENCH OF 84 FEET IN LENGTH IS PROVIDED

SECOND REPLACEMENT SYSTEM CALCS: ABS. RATE=0.8, EFF. DEPTH=3'-7.5'
DRAINFIELD AREA: 4 BEDROOMS AT 600 gpd / 0.8 ABSORPTION RATE=750 SQ. FT.
SIDEWALL REDUCTION CREDIT: $\frac{WIDTH+2}{2} = \frac{2+2}{2} = 2$ $\frac{2+1+2(4.5)}{12} = 0.33$
LENGTH OF TRENCHES: $\frac{750 \text{ SQ. FT.} \times 0.33}{2} = 123.75 \text{ LINEAR FEET}$
2 TRENCHES OF 62 FEET IN LENGTH, 11 FOOT SPACED ARE PROVIDED

LEGEND

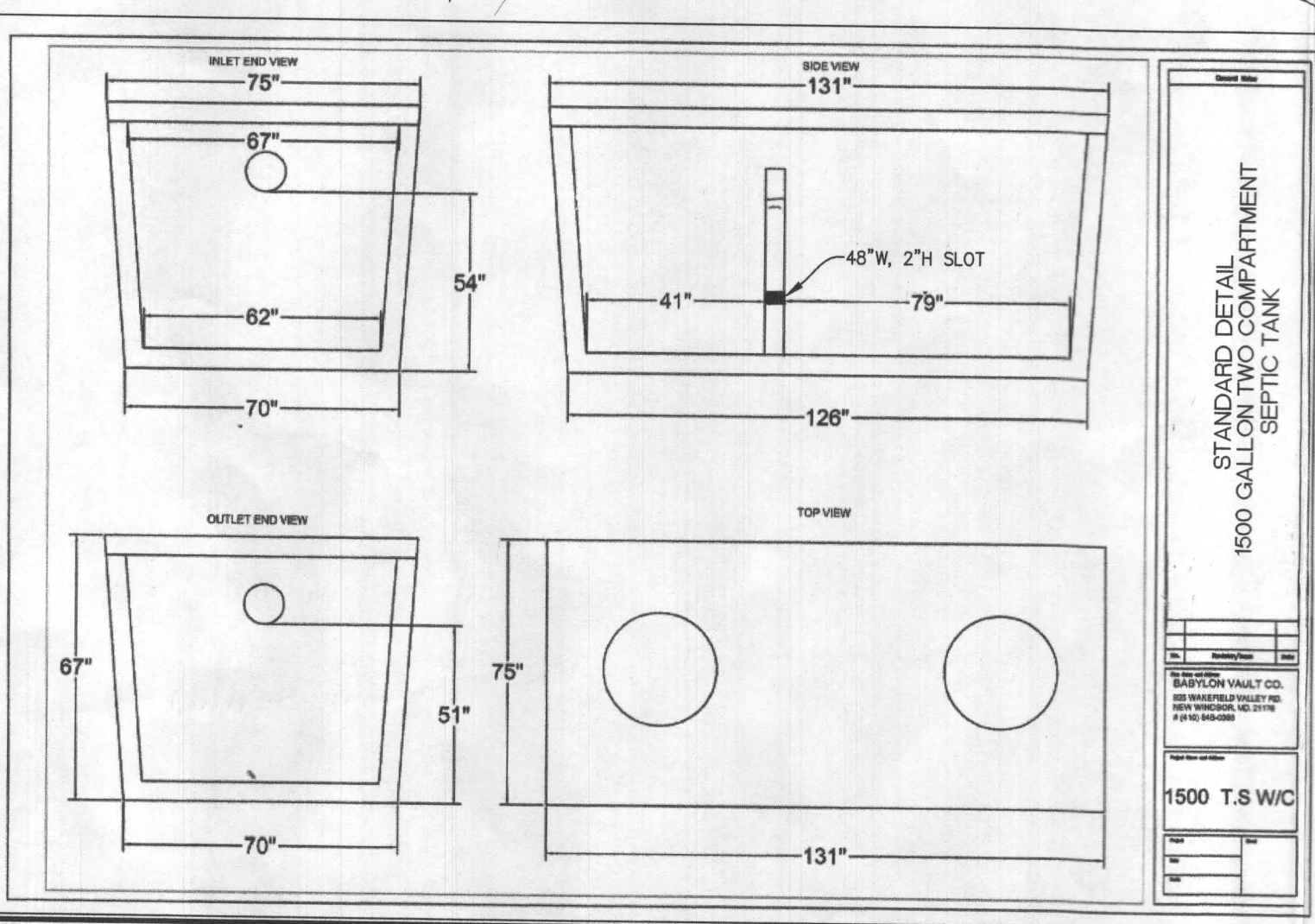
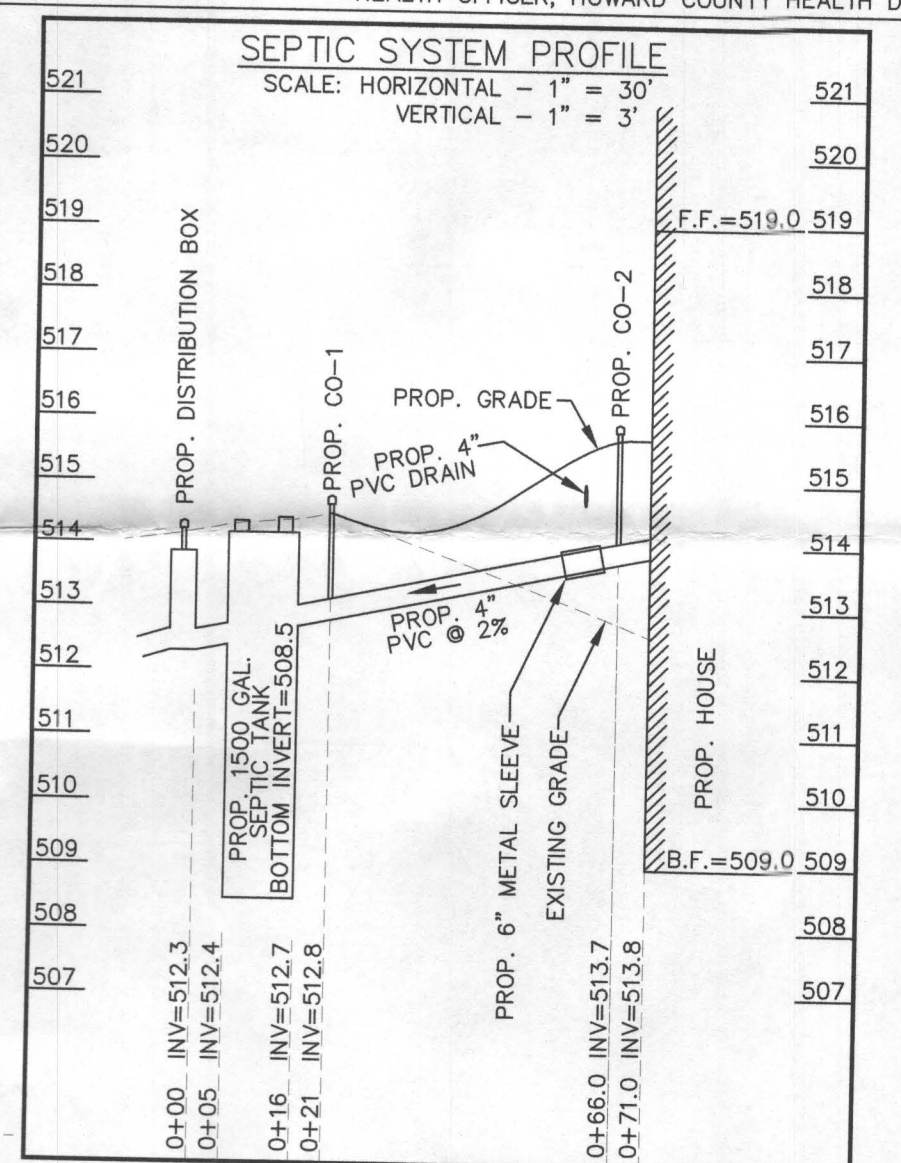
- PASSED PERCOLATION TEST
- FAILED PERCOLATION TEST
- EX. WELL
- EX. SPOT ELEVATION
- EX. CONTOUR
- PROP. CONTOUR
- EX. EDGE WOODED AREA
- PROP. EDGE WOODED AREA
- EX. SOIL TYPE LIMIT
- PROP. SUPER SILT FENCE
- SF
- PROP. SILT FENCE
- PROP. LIMIT OF DISTURBANCE
- PROP. DRAINAGE AREA LIMIT (DA)
- B-1 SOIL BORING
- EX. PRIVATE SEPTIC RESERVE AREA



- NOTES:**
- 1- ANY CHANGES TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
 - 2- THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
 - 3- THE EXISTING WELL (TAG # HO-18-0071) HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN ON THIS PLAN.
 - 4- ALL EXISTING WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN ON THIS PLAN.
 - 5- THE TOPOGRAPHY SHOWN ON THIS PLAN IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOCIATES PERFORMED ON JUNE OF 2019.
 - 6- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
 - 7- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT ARE AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE



SOIL TABLE				
SYMBOL	NAME/DESCRIPTION	TYPE	HYDROLIC	
GgA	Glenelg loam, 0 to 3% slope	B	No	
GgB	Glenelg loam, 3 to 8% slope	B	No	
GgC	Glenelg loam, 8 to 15% slope	B	No	
GmB	Glenville silt loam, 3 to 8% slope	C/D	Yes	
Co	Codorus & Hatboro silt loam, 0 to 3 percent slopes	C	Yes	
Ha	Hatboro-Codorus silt loam, 0 to 3 percent slopes	D	Yes	

PLAN PREPARED BY:
NJR & ASSOCIATES
Land Surveying and Planning
2770 STATE ROUTE 32
WEST FRIENDSHIP, MD 21794
TEL: (240) 508-3200

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE # 11049, EXPIRATION DATE: 2/10/2021.
September 28, 2019
DATE

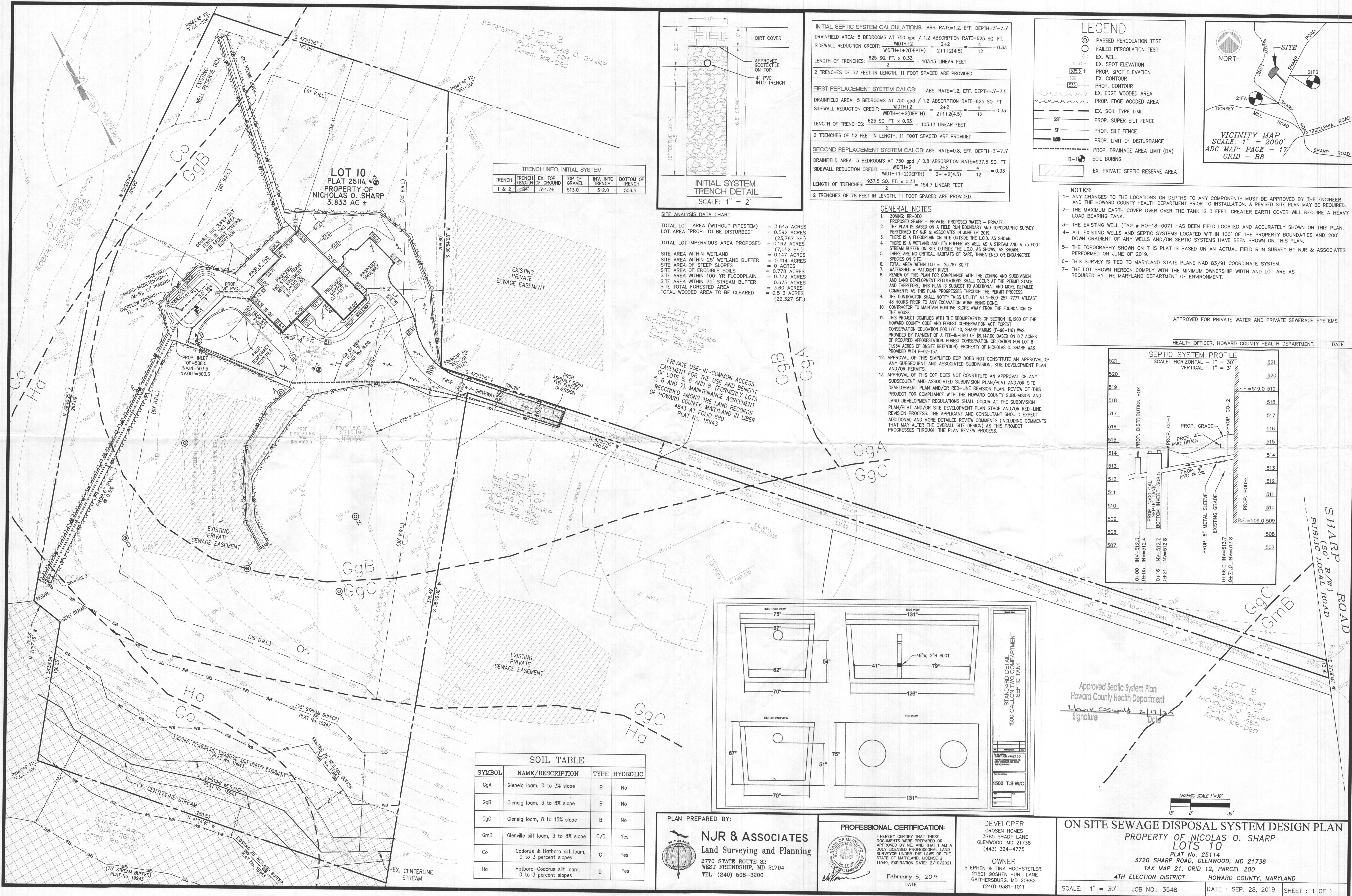
DEVELOPER
CROSEN HOMES
3785 SHADY LANE
GLENWOOD, MD 21738
(443) 324-4775

OWNER
STEPHEN & TINA HOCHSETER
21501 GOSHEN HUNT AVE
GAITHERSBURG, MD 20882
(240) 9381-1011

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
PROPERTY OF NICHOLAS O. SHARP
LOTS 10
PLAT No. 25114
3720 SHARP ROAD, GLENWOOD, MD 21738
TAX MAP 21, GRID 12, PARCEL 200
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

Approved Septic System Plan
Howard County Health Department
Signature: Hank O'Sullivan
Date: 10/16/19

SCALE: 1" = 30'
JOB NO.: 3548
DATE: SEP. 28, 2019
SHEET: 1 OF 1



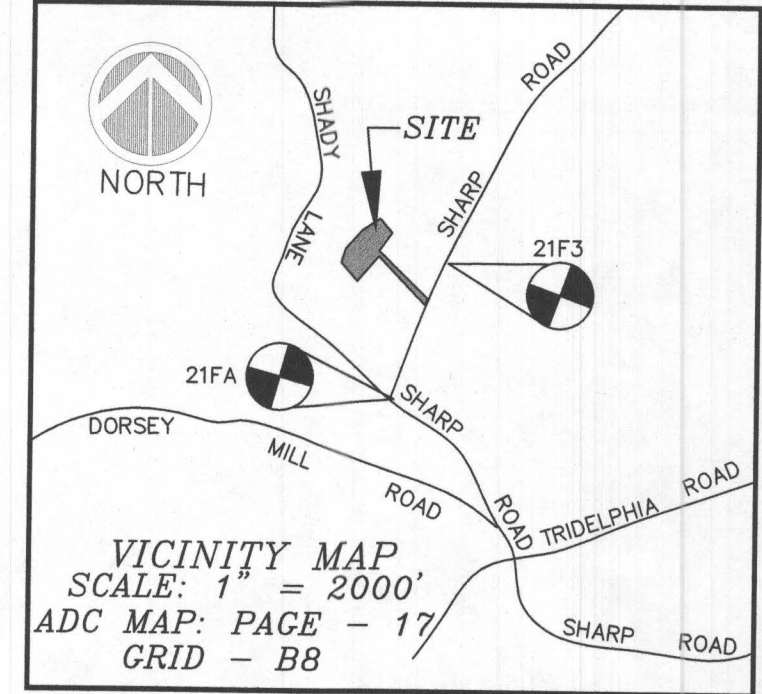
INITIAL SEPTIC SYSTEM CALCULATIONS: ABS. RATE=1.2, EFF. DEPTH=3'-7.5'
DRAINFIELD AREA: 5 BEDROOMS AT 750 gpd / 1.2 ABSORPTION RATE=625 SQ. FT.
SIDEWALL REDUCTION CREDIT: $\frac{2+2}{2} = \frac{4}{2} = 0.33$
LENGTH OF TRENCHES: $\frac{625 \text{ SQ. FT.} \times 0.33}{2} = 103.13 \text{ LINEAR FEET}$
2 TRENCHES OF 52 FEET IN LENGTH, 11 FOOT SPACED ARE PROVIDED

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SECOND REPLACEMENT SYSTEM CALCS: ABS. RATE=0.8, EFF. DEPTH=3'-7.5'
DRAINFIELD AREA: 5 BEDROOMS AT 750 gpd / 0.8 ABSORPTION RATE=937.5 SQ. FT.
SIDEWALL REDUCTION CREDIT: $\frac{2+2}{2} = \frac{4}{2} = 0.33$
LENGTH OF TRENCHES: $\frac{937.5 \text{ SQ. FT.} \times 0.33}{2} = 154.7 \text{ LINEAR FEET}$
2 TRENCHES OF 78 FEET IN LENGTH, 11 FOOT SPACED ARE PROVIDED

LEGEND

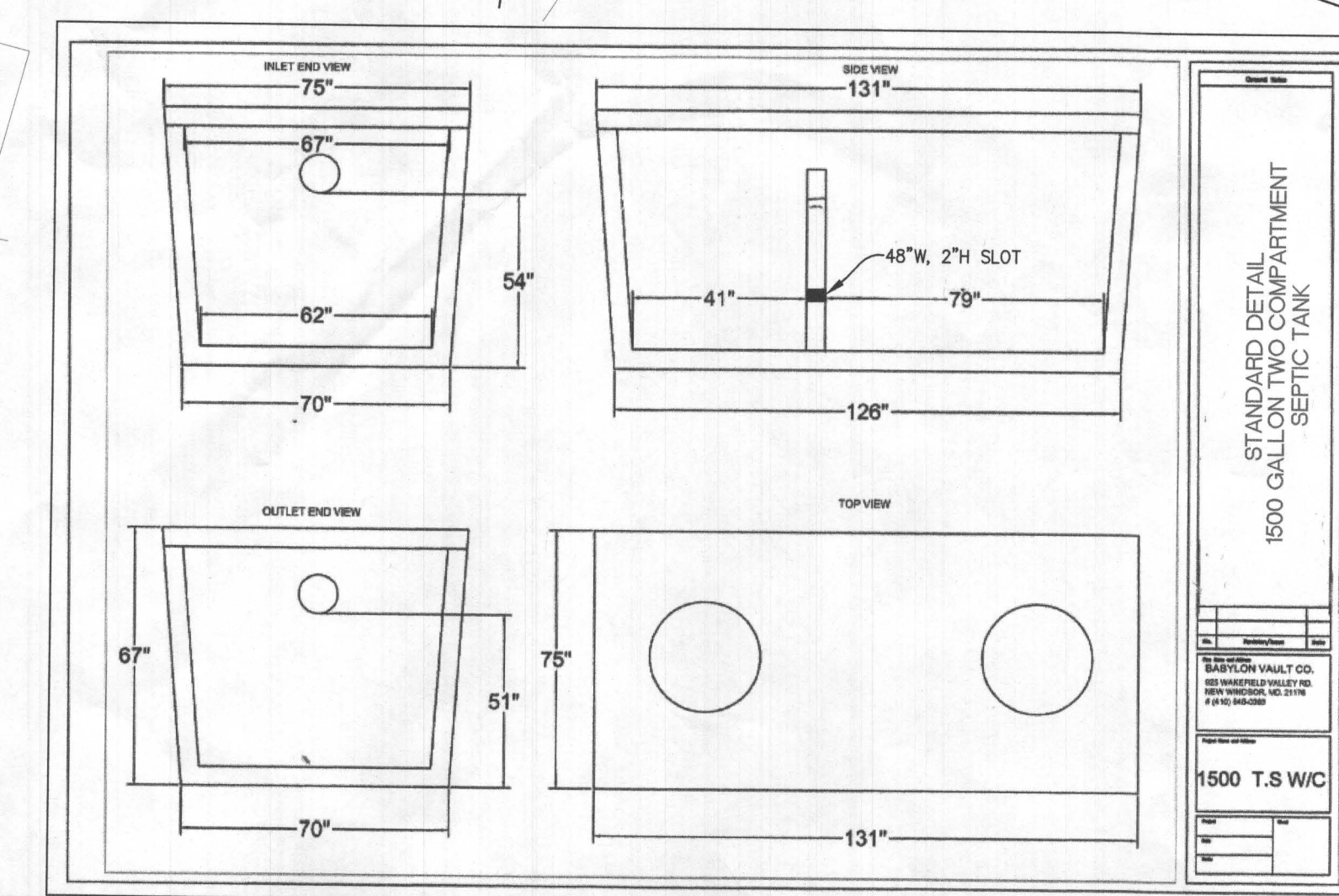
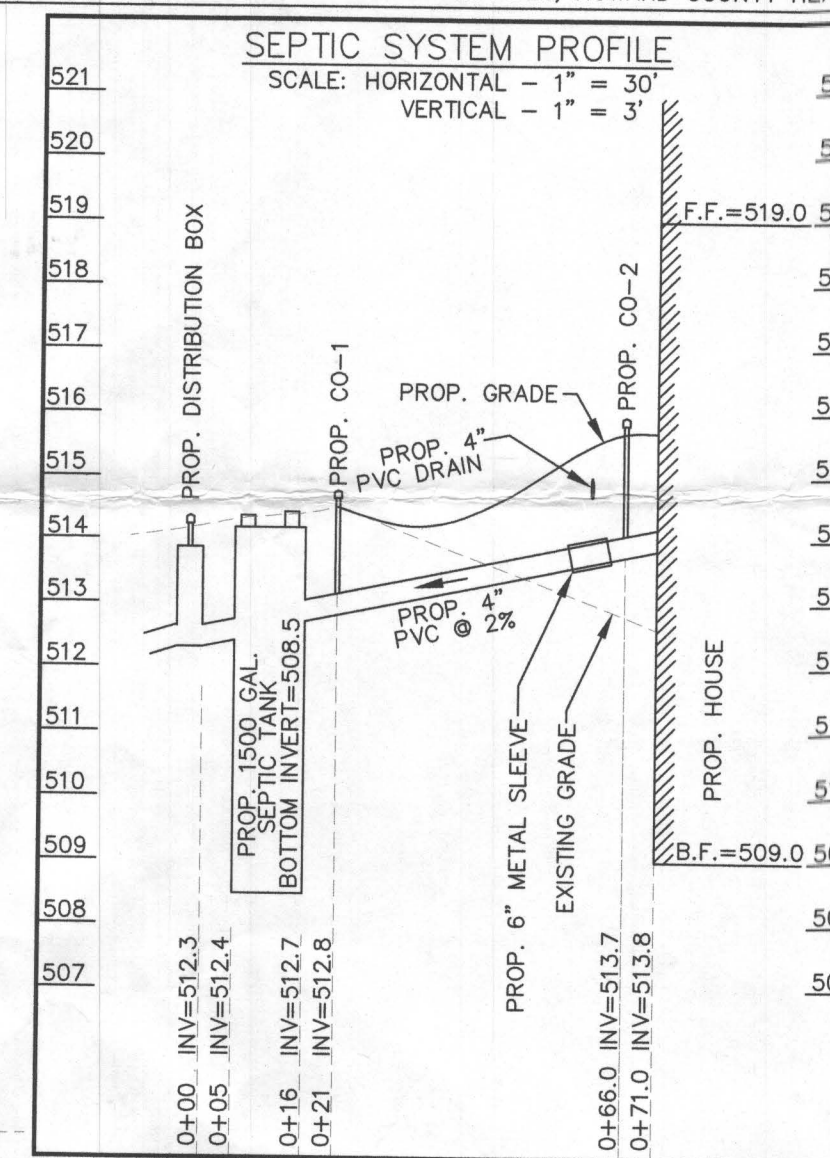
- ⊙ PASSED PERCOLATION TEST
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- SOIL BORING
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HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT. DATE



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February 5, 2019
DATE

DEVELOPER
CROSEN HOMES
3785 SHADY LANE
GLENWOOD, MD 21738
(443) 324-4775
OWNER
STEPHEN & TINA HOCHSTETLER
21501 GOSHEN HUNT LANE
GAINESBURG, MD 20882
(240) 9381-1011

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
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