

# APPLICATION

PERCOLATION TESTING

A 59308

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 1/12/98

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER NICHOLAS O. SHARP

ADDRESS 3654 SHARP ROAD GLENWOOD MD. PHONE (410) 489-5030  
21738

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION NICHOLAS O. SHARP LOT NO. 7

ROAD AND DESCRIPTION SHARP ROAD

TAX MAP 21 PARCEL # 200

SIZE OF LOT 3 AC. TYPE BLDG. S.F.D.  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Eudmaria J. Fisch (agent)  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

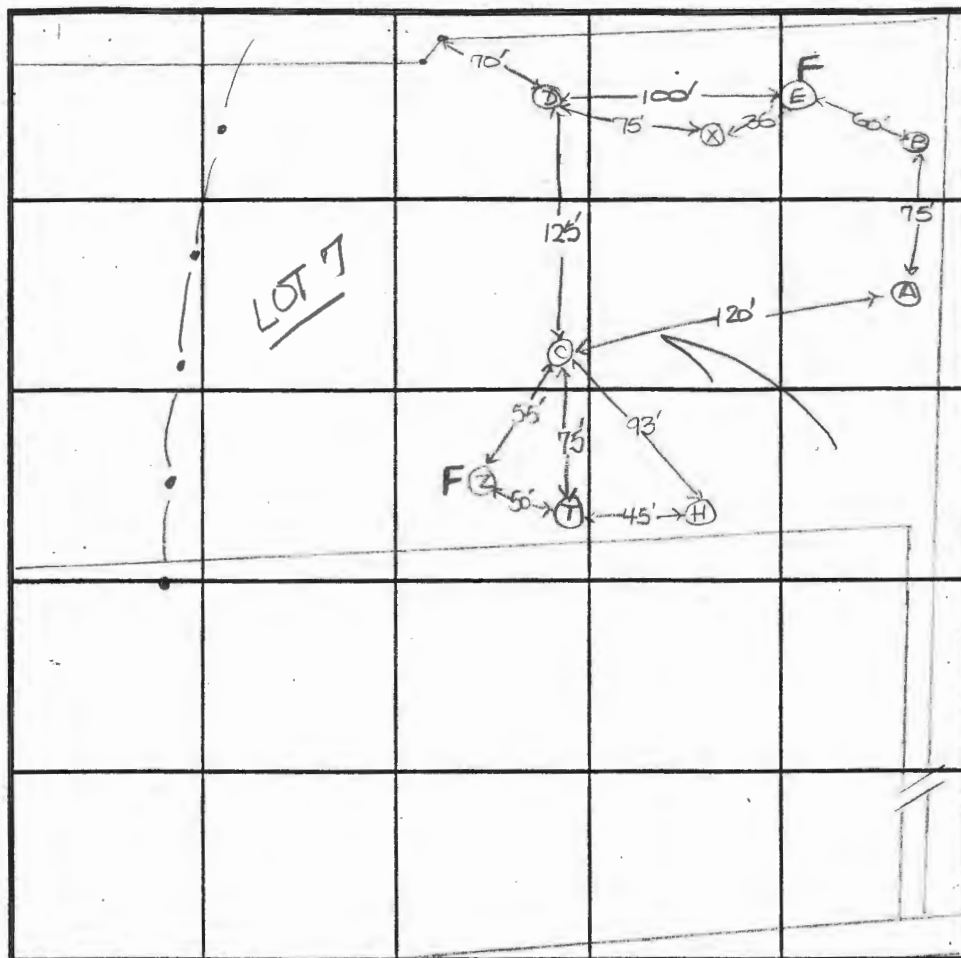
59308  
COUNTY #

SOIL PROFILE

0' (A/C)  
1' topsoil  
2.5' 3' org brn cl lm  
12' pale org brn si lm w/ 15% R<sub>x</sub> frag

0' (B)  
1' topsoil  
2.5' org brn cl lm  
6.5' pale brn si lm  
11.5' small R<sub>x</sub> patch

0' (D)  
1' topsoil  
3' red brn cl lm  
11.5' pale brn si lm  
15-28% R<sub>x</sub> frag



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Sharp Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-26-98	A	3.5' S	10:47	10:50	10:50	10:57	7
		7.0' m	10:45	10:47	10:47	10:50	3
		12.0' D	Visual OK				
	B	3.5' S	10:45	10:46	10:46	10:49	3
		11.5' D	Visual OK				
	C	2.5' S	11:14	11:16	11:16	11:25	9
		6.0' m	11:17	11:19	11:19	11:22	3
		11.5' D	Visual OK				
	D	3' 2" S	10:33	10:37	10:37	10:42	5
		11.5' D	Visual OK				

REMARKS test holes not as staked

TYPE OF SOIL

TESTED BY D. SOE

ALSO PRESENT C. Zepp, C. Sharp, N. Sharp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

# APPLICATION

PERCOLATION TESTING

A 59308

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 1/12/98

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER NICHOLAS O. SHARP

ADDRESS 3654 SHARP ROAD GLENWOOD MD. 21738 PHONE (410) 489-5030

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_ N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION NICHOLAS O. SHARP LOT NO. 7

ROAD AND DESCRIPTION SHARP ROAD

TAX MAP 21 PARCEL # 200

SIZE OF LOT 3 AC. TYPE BLDG. S.F.D.  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Zacharia J. Fisch (agent)  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

## SOIL PROFILE

0' (E)  
1' top soil  
red brn  
cl/m  
4' med  
brn  
si/m  
w/ > 50%  
Rx  
frag

(K)/(H)/(T)

0' 1' top soil  
red brn  
cl/m  
2.5' pale  
brn  
si/m  
10-20%  
Rx  
frag  
12/10

(2)

0' 1' top soil  
red brn  
cl/m  
4' REFUSAL

## SOIL PROFILE

0'

SEE OTHER PAGE  
FOR DIAGRAM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-26-98	E	9.0'D	Refusal				FAIL
	K	12.0'D	Visual				OK
	H	2.5'S	11:43	11:46	11:46	11:50	4
		10.5'D	Visual				OK
	T	12.0'D	Visual				OK
	Z	4.0'D	Refusal				FAIL

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

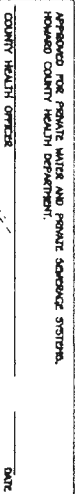
TESTED BY D: Sae ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

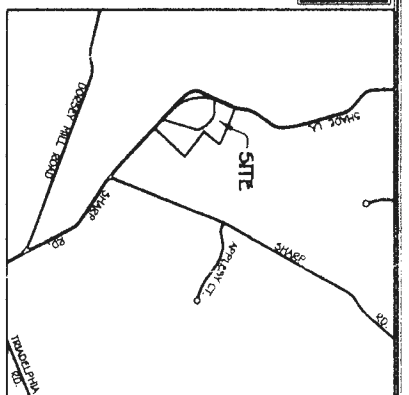
INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



EXISTING 2' CONTIGUOUS  
EXISTING 10' CONTIGUOUS  
EXISTING TREE LINE  
SOIL LINES AND TIES  
DEMOTES EXISTING WALL  
DEMOTES FAILED PIER  
DEMOTES PASSED PIER  
DEMOTES 1,000 SQ. FT. ALTERNATE WALL SITE  
DEMOTES PROPOSED WALL  
DEMOTES PREVIOUS APPROVED PIER AREA  
DEMOTES PREVIOUS APPROVED PIER AREA  
TO BE REMOVED



VICINITY MAP  
SCALE : 1" = 1200'



1. THE AREA DESIGNATED A PRIVATE SANGRECE EASEMENT OR AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE HEALTH DEPARTMENT OR THE ENVIRONMENTMENT FOR RECREATIONAL PURPOSES, OR ANY OTHER USE OF THE AREA, ARE REQUIRED. PROVISIONS OF ANY NATURE IN THIS AREA ARE SUPERSEDED BY THE PROVISIONS OF THIS ACT.
2. EASEMENTS SHALL BECOME VALID AND VOID UPON CONNECTION TO A PUBLIC SANGRECE SYSTEM THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT AUTHORITY TO THE SANGRECE SYSTEMS TO BE USED FOR THE PURPOSES OF THE SANGRECE EASEMENT SHALL NOT BE NECESSARY. A REQUIRED EASEMENT SHALL BE NECESSARY.
3. WITHOUT ADDITIONAL TESTING.
4. EASEMENTS SHALL BE REQUIRED WITHIN THE HEALTH DEPARTMENT AND THE HEALTH DEPARTMENT SHALL BE REQUIRED BY THE HEALTH DEPARTMENT.
5. ALL EASEMENTS SHALL BE REQUIRED BY THE HEALTH DEPARTMENT.
6. EASEMENTS SHALL BE REQUIRED BY THE HEALTH DEPARTMENT.
7. EASEMENTS SHALL BE REQUIRED BY THE HEALTH DEPARTMENT.
8. EASEMENTS SHALL BE REQUIRED BY THE HEALTH DEPARTMENT.
9. EASEMENTS SHALL BE REQUIRED BY THE HEALTH DEPARTMENT.
10. EASEMENTS SHALL BE REQUIRED BY THE HEALTH DEPARTMENT.

Lot 10 And  
Sharp Farms

LOT 1 PARCEL: 190 & 200  
TAX MAP #21  
4TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
DATE: MARCH 30, 2010  
SCALE: 1" = 100'

### SOILS LEGEND

THE PURPOSE OF THIS PLAN IS TO REVERSE THE LOT LINES FOR LOTS 10 AND 11 AND ADD TWO ALTERNATE WELL SITES ON LOT 10

**Owner And Developer**  
(Lot 11, Sharp Farms)  
Donald O. Green And  
Leslie Sharp Green, Trustees  
3705 Shady Lane  
Clemens, Maryland 21730

[illegible]



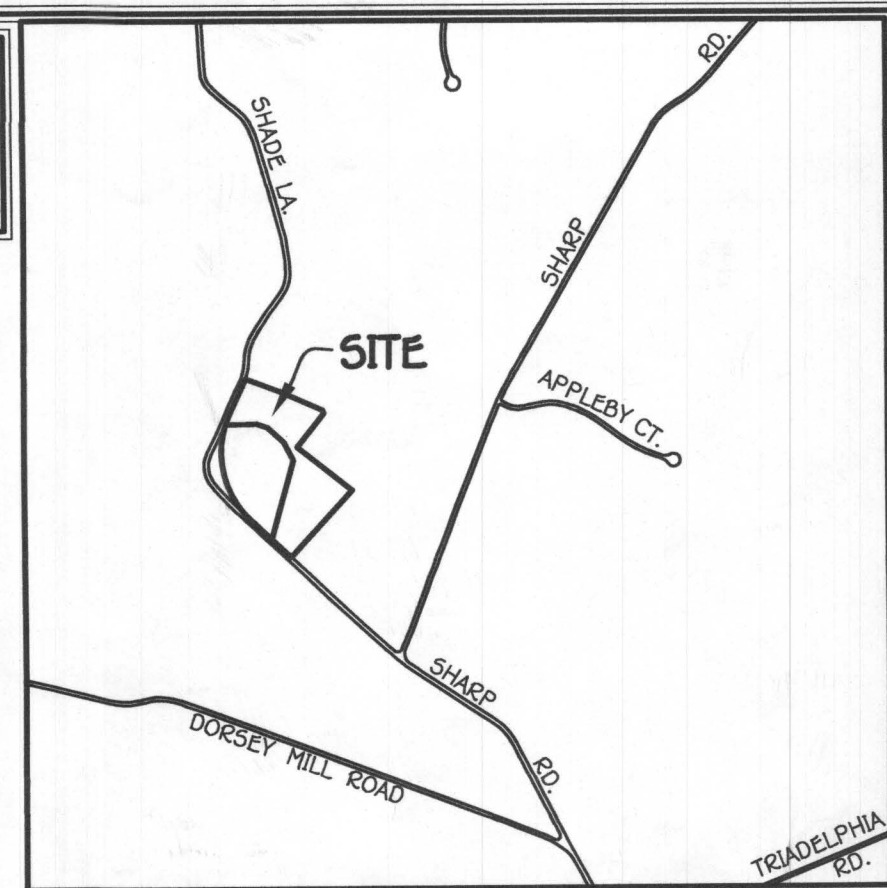
# LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- GLB2 MLC2 SOIL LINES AND TYPES
- W DENOTES EXISTING WELL
- O DENOTES FAILED PERC
- DENOTES PASSED PERC
- W DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE
- W DENOTES PROPOSED WELL
- DENOTES PREVIOUS APPROVED PERC AREA
- DENOTES PREVIOUS APPROVED PERC AREA TO BE REMOVED

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

*For Maureen Roseman*  
COUNTY HEALTH OFFICER u.o. *On*

4/29/2019  
DATE



## VICINITY MAP

SCALE: 1" = 1200'

## GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- THE WELL ON LOT 11 HO-94-3334 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- THE MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS REVIEWED THE PROPOSED WELL AND SEWAGE DISPOSAL AREA LOCATIONS ILLUSTRATED ON THIS PLAN AS RECOMMENDED BY THE HOWARD COUNTY HEALTH DEPARTMENT, AND HAS GRANTED A VARIANCE TO ALLOW THE WELL LOCATION ON NICHOLAS O. SHARP, LOT 10 TO BE DOWNGRADIENT OF THE SEWAGE DISPOSAL AREA OF NICHOLAS O. SHARP, LOT 9, PURSUANT TO THE FOLLOWING CONDITIONS:  
THE WELL WILL BE REQUIRED TO HAVE STEEL CASING TO A MINIMUM DEPTH OF 50 FEET, OR 10 FEET INTO COMPETENT BEDROCK, WHICHEVER IS DEEPER, AND BE AT LEAST 200 FEET DISTANCE FROM ANY SEPTIC SYSTEM DRAIN FIELD THAT IS UPGRADIENT.

**Owner And Developer**  
(Lot 10, Property  
Of Nicholas O. Sharp)

Nicholas O. Sharp  
400 Morgan Station Road  
Woodbine, Maryland 21797

**Owner And Developer**  
(Lot 11, Sharp Farms)

Donald O. Crosen And  
Leslie Sharp Crosen, Trustees  
3705 Shady Lane  
Glenwood, Maryland 21730

PERC CERTIFICATION  
I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Land Surveyor  
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/19

Date

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461 - 2895

## SOILS LEGEND

SOIL	NAME	CLASS
Co	Codorus and Hatzboro all loams, 0 to 3 percent slopes	C
GgA	Glenelg loam, 0 to 3 percent slopes	B
GgB	Glenelg loam, 3 to 8 percent slopes	B
GgC	Glenelg loam, 8 to 15 percent slopes	B
GmA	Glenville all loam, 0 to 3 percent slopes	C
Ha	Hatzboro-Codorus all loams, 0 to 3 percent slopes	D

PERC RECERTIFICATION PLAT  
Property Of Nicholas O. Sharp

Lot 10 And  
Sharp Farms  
Lot 11

TAX MAP #21

4TH ELECTION DISTRICT

SCALE: 1" = 100'

PARCEL: 190 & 200

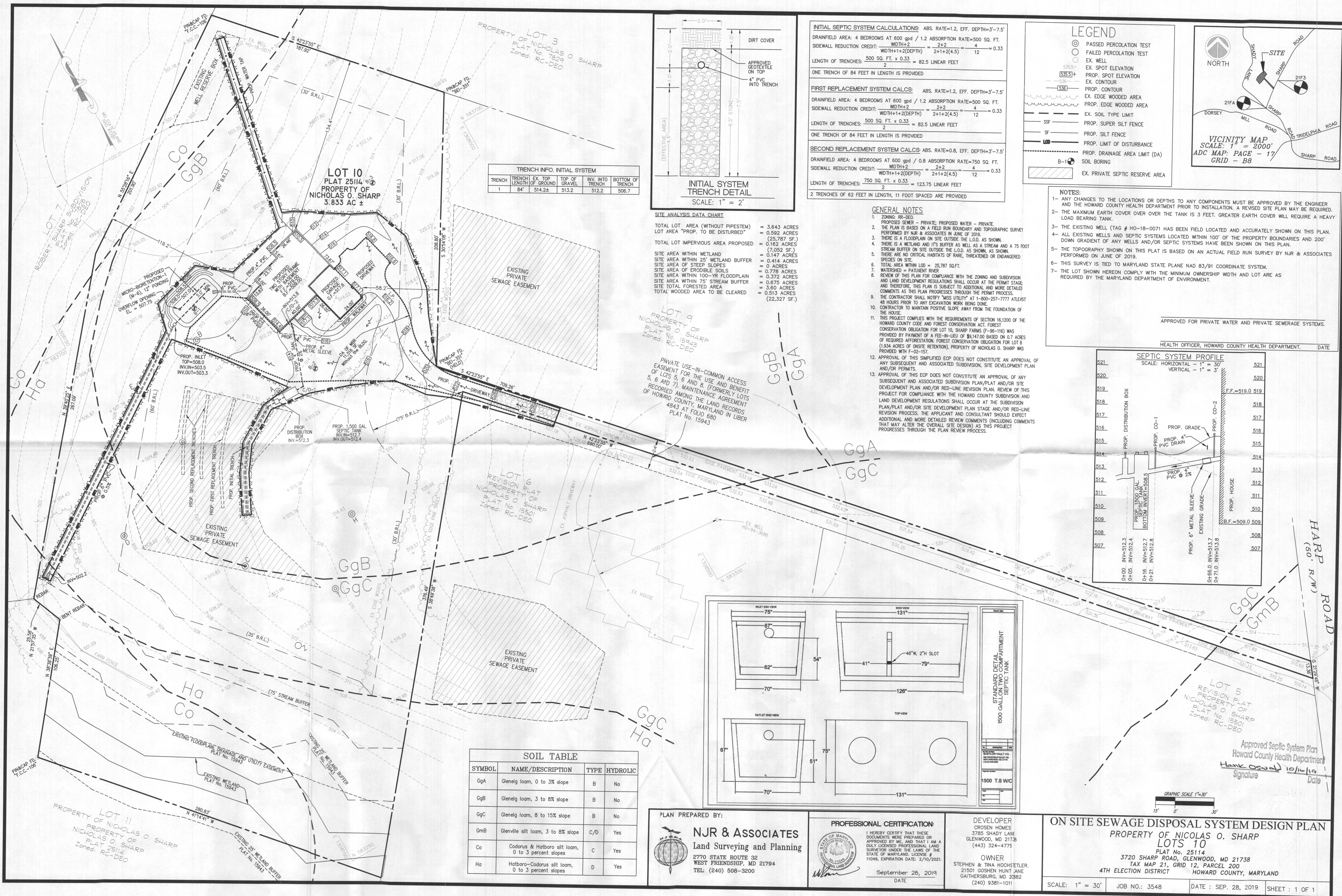
HOWARD COUNTY, MARYLAND

DATE: APRIL 16, 2019

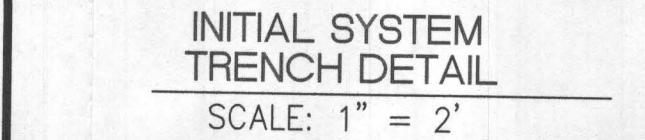








TRENCH INFO, INITIAL SYSTEM					
TRENCH	TRENCH LENGTH	EX. TOP OF GROUND	TOP OF GRAVEL	INV. INTO TRENCH	BOTTOM OF TRENCH
1	84'	514.2±	513.2	512.2	506.7



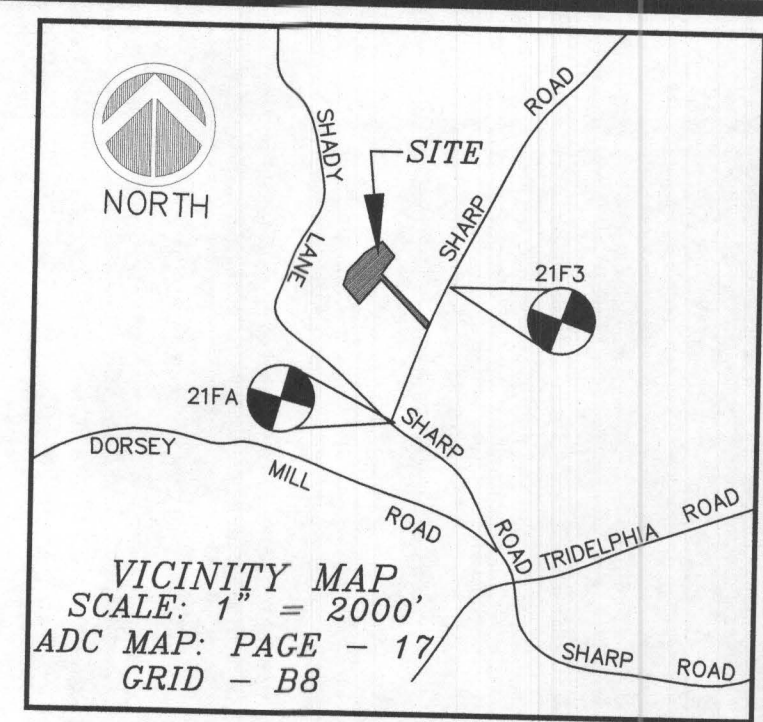
**INITIAL SEPTIC SYSTEM CALCULATIONS:** ABS. RATE=1.2, EFF. DEPTH=3'-7.5'  
DRAINFIELD AREA: 4 BEDROOMS AT 600 gpd / 1.2 ABSORPTION RATE=500 SQ. FT.  
SIDEWALL REDUCTION CREDIT:  $\frac{WIDHT+2}{2} = \frac{2+2}{2} = 2$   $\frac{2+1+2(4.5)}{12} = 0.33$   
LENGTH OF TRENCHES:  $\frac{500 \text{ SQ. FT.}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

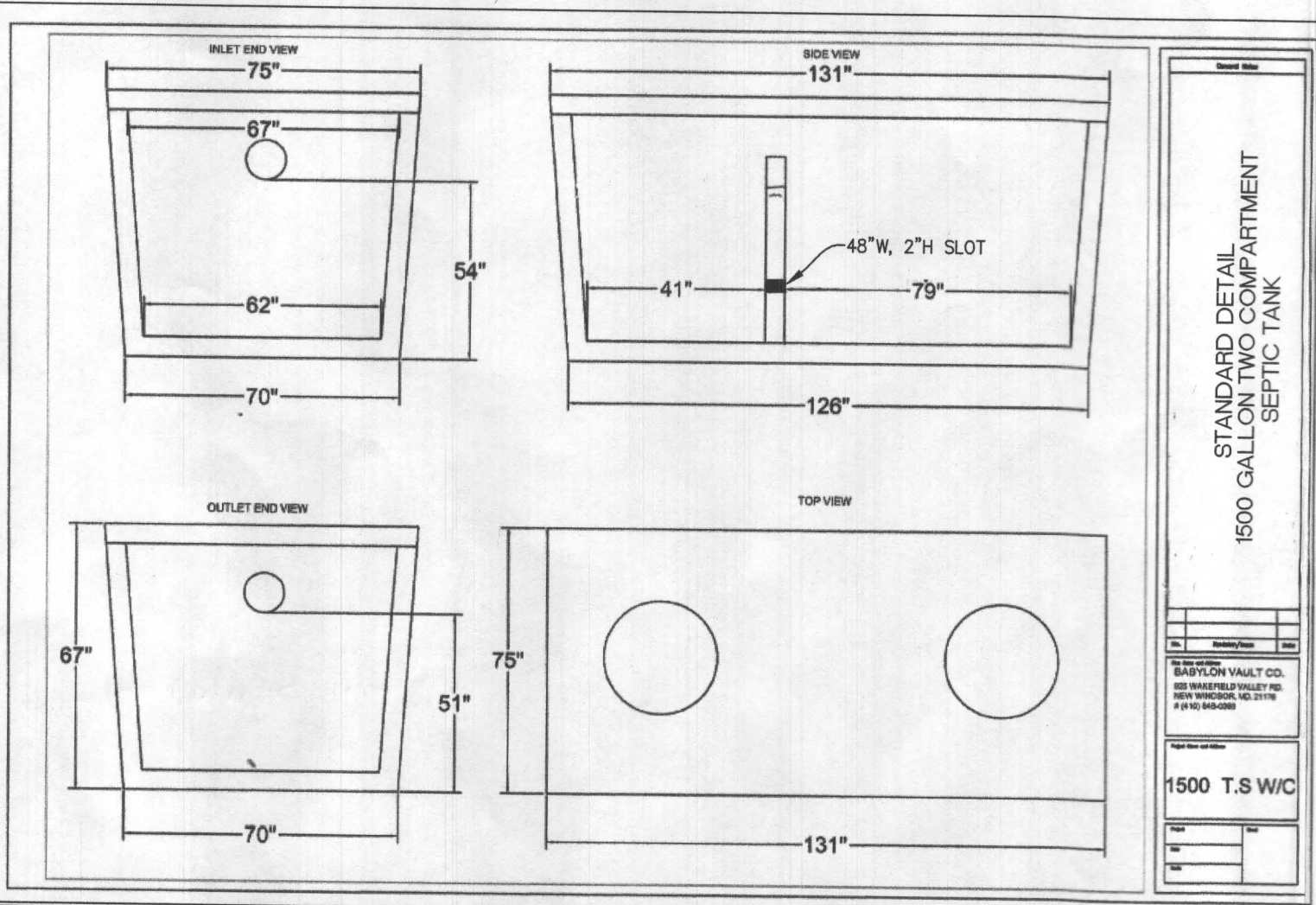
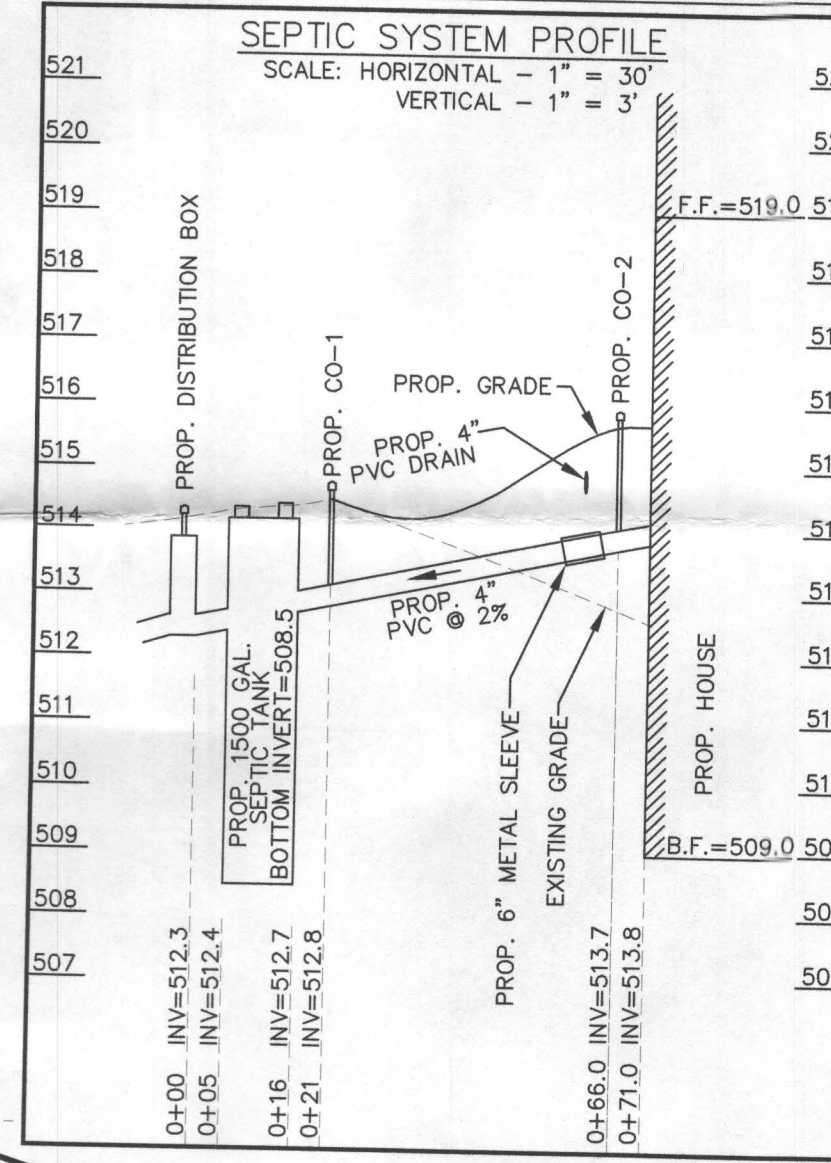
- PASSED PERCOLATION TEST
- FAILED PERCOLATION TEST
- EX. WELL
- EX. SPOT ELEVATION
- EX. CONTOUR
- PROP. CONTOUR
- EX. EDGE WOODED AREA
- PROP. EDGE WOODED AREA
- EX. SOIL TYPE LIMIT
- PROP. SUPER SILT FENCE
- SF
- PROP. SILT FENCE
- PROP. LIMIT OF DISTURBANCE
- PROP. DRAINAGE AREA LIMIT (DA)
- B-1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

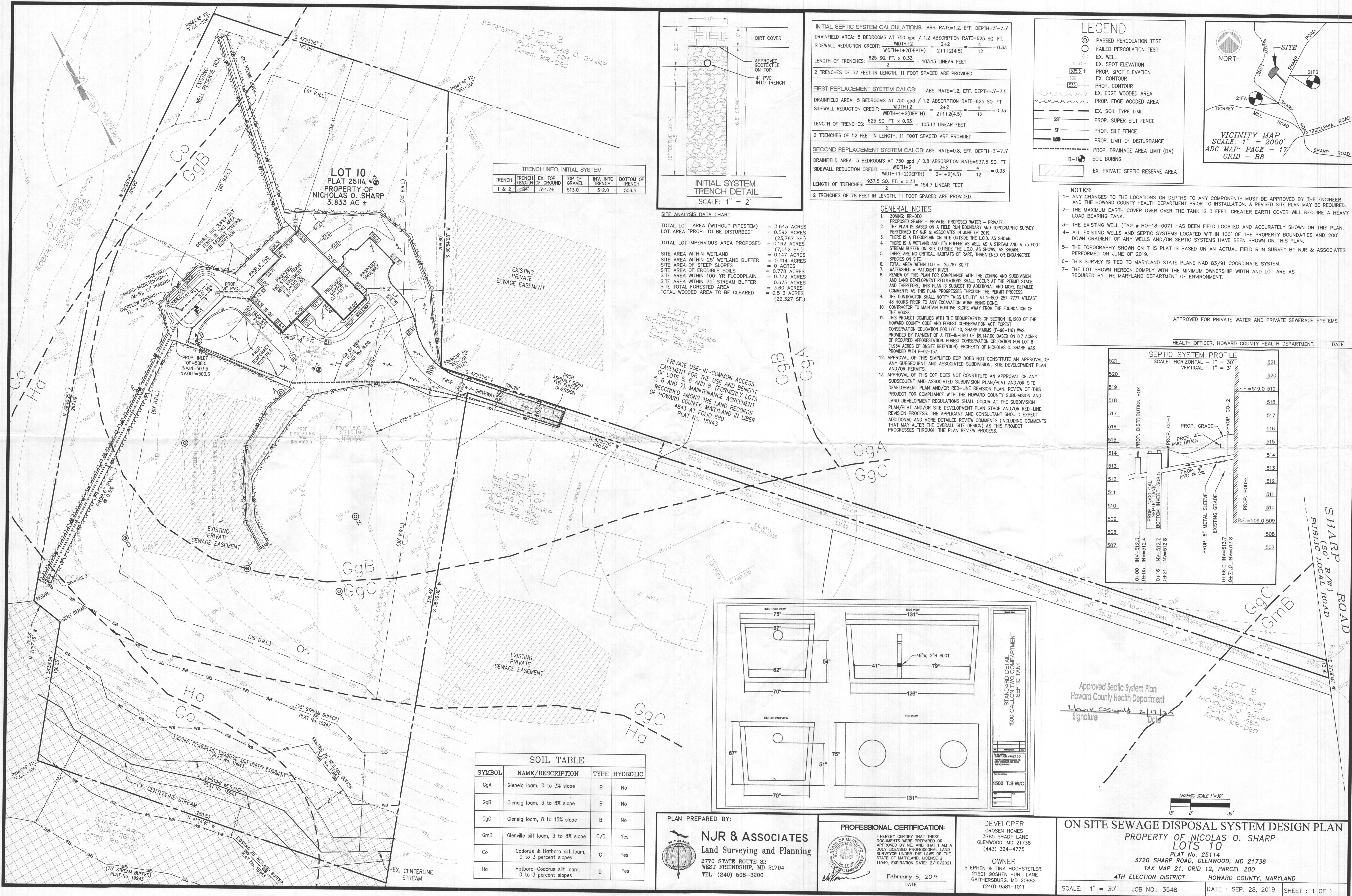
Approved Septic System Plan  
Howard County Health Department  
Signature: Hank O'Sullivan  
Date: 10/16/19

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









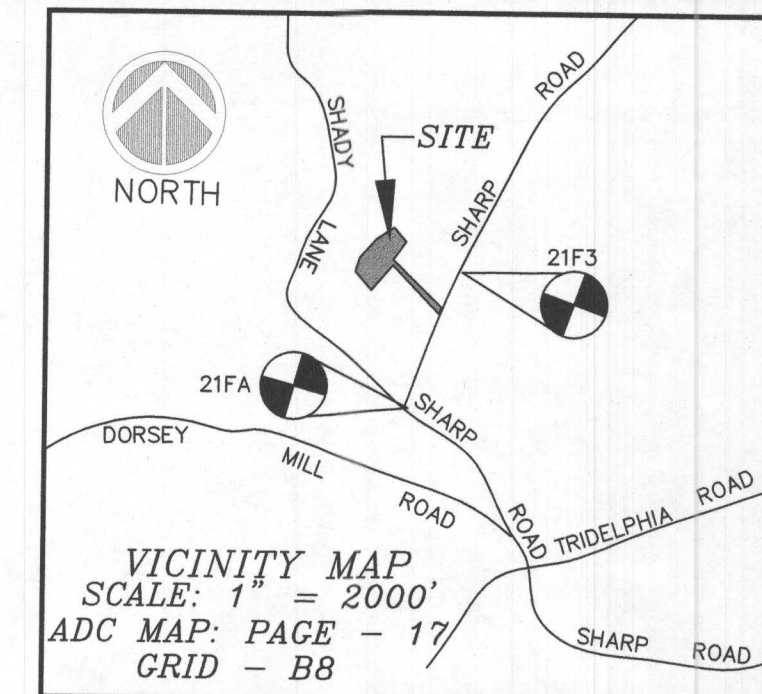
**INITIAL SEPTIC SYSTEM CALCULATIONS:** ABS. RATE=1.2, EFF. DEPTH=3'-7.5'  
DRAINFIELD AREA: 5 BEDROOMS AT 750 gpd / 1.2 ABSORPTION RATE=625 SQ. FT.  
SIDEWALL REDUCTION CREDIT:  $\frac{2+2}{2} = \frac{4}{2} = 0.33$   
LENGTH OF TRENCHES:  $\frac{625 \text{ SQ. FT.} \times 0.33}{2} = 103.13 \text{ LINEAR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

**FIRST REPLACEMENT SYSTEM CALCS:** 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

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

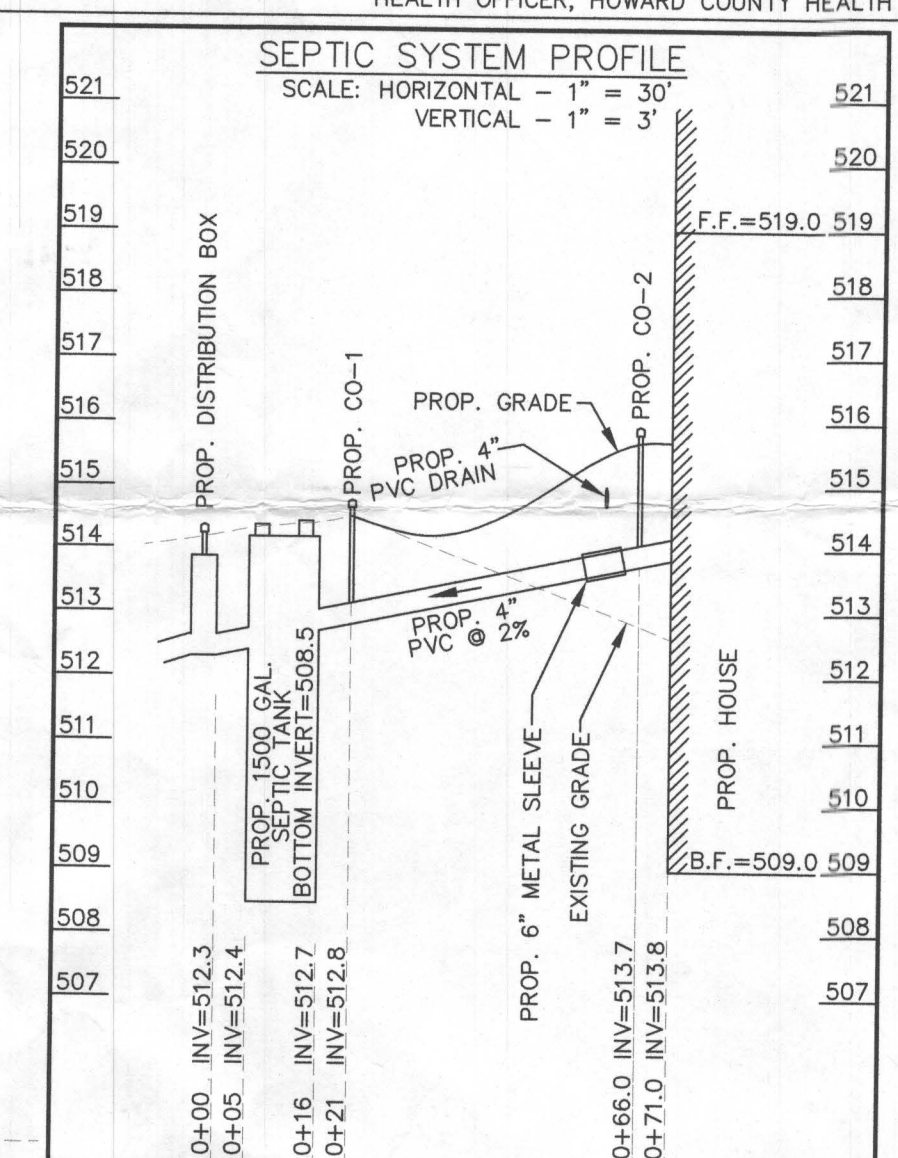


**NOTES:**

- 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.
- THE MAXIMUM EARTH COVER OVER THE TANK IS 3 FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
- THE EXISTING WELL (TAG # HO-18-0071) HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN ON THIS PLAN.
- 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.
- THE TOPOGRAPHY SHOWN ON THIS PLAN IS BASED ON AN ACTUAL FIELD RUN SURVEY BY NJR & ASSOCIATES PERFORMED ON JUNE OF 2019.
- THIS SURVEY IS TIED TO MARYLAND STATE PLANE NAD 83/91 COORDINATE SYSTEM.
- 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	HYDROLOGIC
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 DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE # 11049, EXPIRATION DATE: 2/10/2021.  
February 5, 2019  
DATE

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

**ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN**  
**PROPERTY OF NICOLAS 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  
SCALE: 1" = 30'  
JOB NO.: 3548  
DATE: SEP. 28, 2019  
SHEET: 1 OF 1