

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
Twitter: HowardCoHealthDep

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

APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION 1562966

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Clarksville / 7429 Cherry Tree Drive
PROPERTY ADDRESS 7429 Cherry Tree Drive Fulton 20759
STREET TOWN ZIP
TAX ACCOUNT # 252312 TAX MAP 41 GRID 14 PARCEL 318 LOT NO. 13 PROPOSED LOT SIZE (ACRES) 0.96
ZONING CATEGORY RR-DEO TIER 5

PROPERTY OWNER(S) Norman Adams
DAYTIME PHONE 240-472-8263 CELL EMAIL Norm.h.adams@gmail.com
MAILING ADDRESS 7429 Cherry Tree Drive Fulton, MD 20759
STREET CITY, STATE ZIP

APPLICANT KCI Technologies, Inc. RELATIONSHIP TO OWNER: Engineering Firm
DAYTIME PHONE 410-792-8086 CELL EMAIL Bryan.Aloi@kci.com
MAILING ADDRESS 11830 West Market Place, Suite F Fulton, MD 20759
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
REPAIR OR REPLACE FAILING OSDS
UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH 6 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
THE APPLICATION FEE IS NON-REFUNDABLE
THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

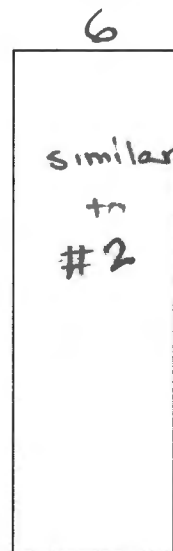
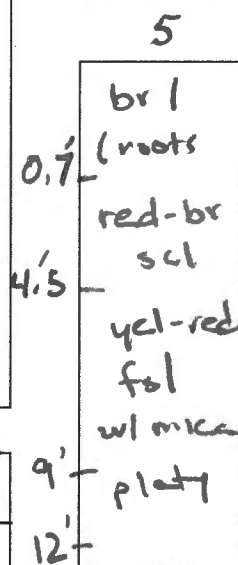
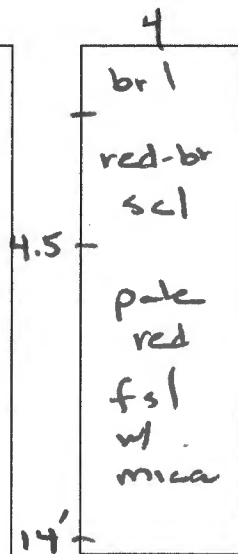
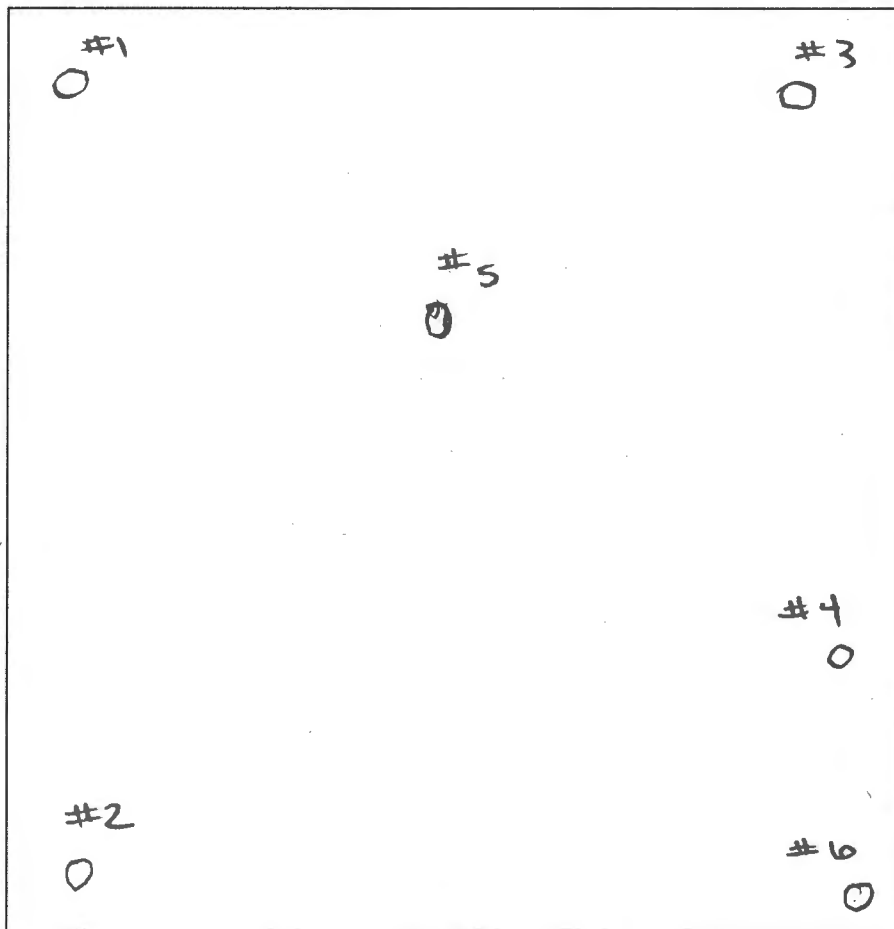
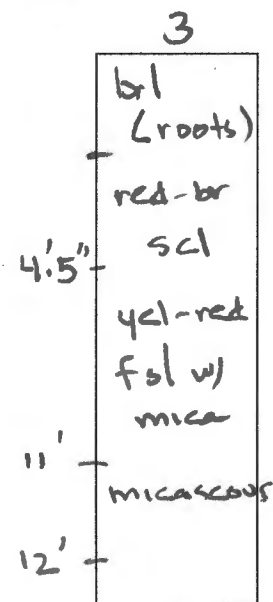
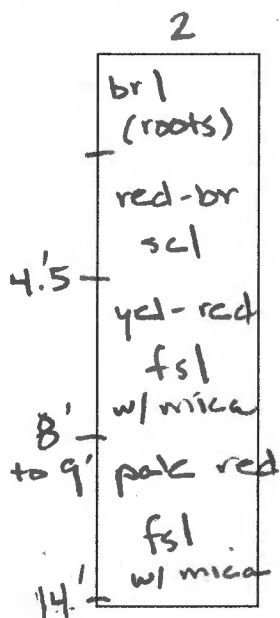
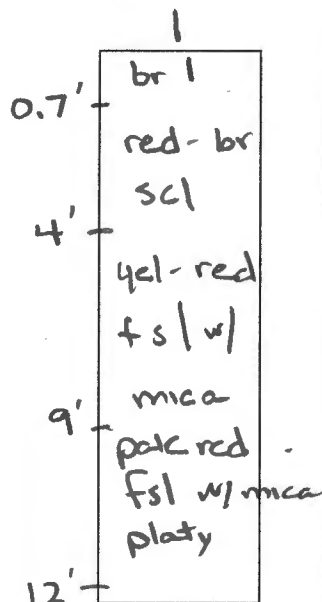
By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

SIGNATURE OF APPLICANT

DATE

4/15/18

ⓐ 562966



7429 Cherry Tree Dr.

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/9/18	1	4.8/12'	8:46	8:58	9:24	26	P
5/9/18	2	5.6/14'	10:24	10:37	10:52	15	P
5/9/18	3	5.8/12'	9:08	9:17	9:35	18	P
5/9/18	4	5.7/12'	9:58	9:59	10:01	2	P
5/9/18	5	5.5/12'	9:37	9:40	9:48	8	P
	6	similar profile to # 2					

REMARKS Tank & trench were located at time of test.

SANITARIAN H. Oswald BACKHOE Freedom Septic OTHERS Engineer

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



HOWARD COUNTY HEALTH DEPARTMENT

62966

DATE
4/18/19

A5

Received From

Elena Adams

PHONE #

210 472-8263

For

Peric App / 7429 Cherry
Tree Drive

CASH

CHECK

NO.

1128

Five hundred and

Dollars

\$ 506.00

Received By

J King

SOILS TABLE

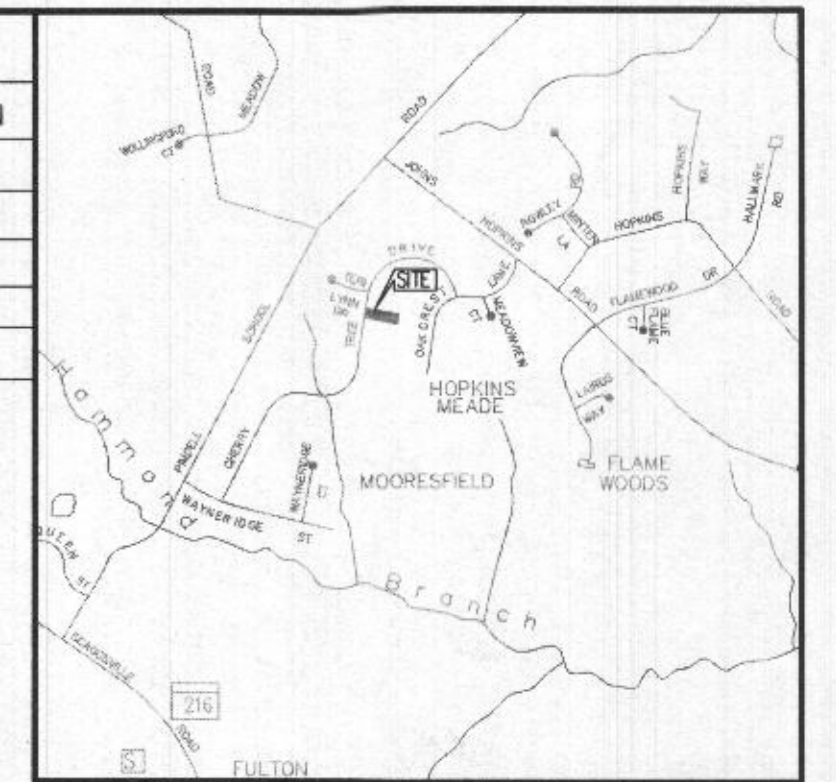
SYMBOL	DESCRIPTION	HYDROLOGIC SOILS GROUP
GHB	GLENELG-URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES	B

BENCHMARK DATA

TRAV	NORTHING	EASTING	ELEVATION
2	546121.42	1335644.77	483.88
3	546034.64	1336002.84	487.26
4	546004.65	1335723.65	481.53
5	546013.50	1335842.54	480.33
6	546077.96	1335819.55	483.40

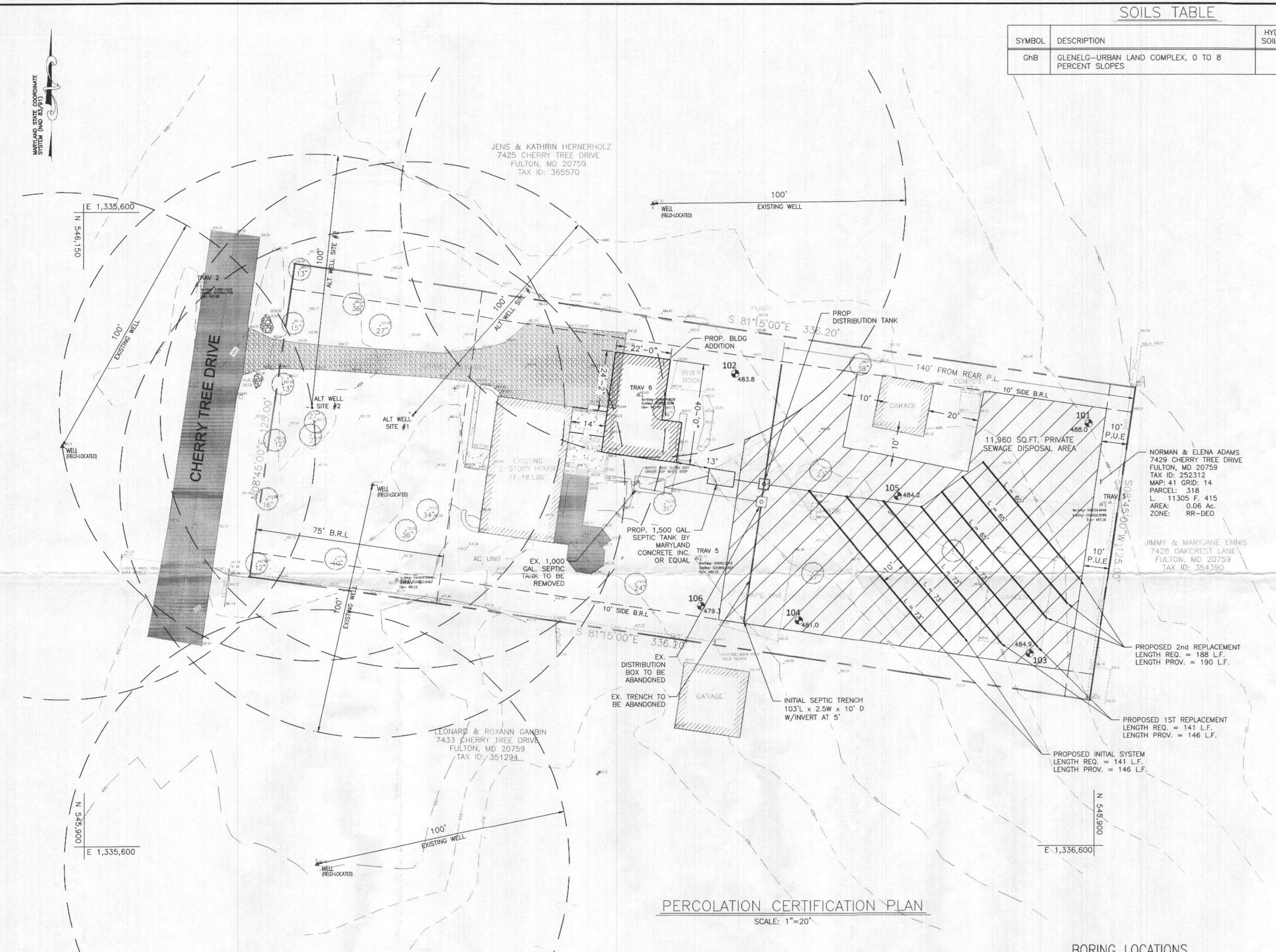
SITE NOTES

- APPLICANT/OWNER: NORMAN & ELENA ADAMS
 CONTACT: NORMAN ADAMS
 ADDRESS: 7429 CHERRY TREE DRIVE, FULTON, MD 20759
- SITE DATA:
 TAX IDENTIFICATION No.: 252312
 TAX MAP / GRID: 0041/0014
 LIBER / FOLIO: 11305/415
 PLAT: 10/65
 WATER DESIGNATION: WELL
 SEWER DESIGNATION: SEPTIC
 ELECTION DISTRICT: 13
 SITE AREA: 0.06 AC.
 SITE ADDRESS: 7429 CHERRY TREE DRIVE, FULTON, MD 20759
 - EXISTING USE: RESIDENTIAL HOUSING
 PROPOSED USE: RESIDENTIAL HOUSING
 - ZONING OF SITE IS RR-DEO (RURAL RESIDENTIAL)
 - TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY BY KCI ON OR ABOUT JANUARY, 2018 AND ONLINE CDS TOPOGRAPHY FROM HOWARD COUNTY GOVERNMENT.
 - BOUNDARY INFORMATION SHOWN HEREON IS BASED ON A BOUNDARY SURVEY COMPLETED BY KCI TECHNOLOGIES, INC ON OR ABOUT JANUARY 2018.
 - NOTIFY "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO DOING ANY EXCAVATION IN THIS AREA. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
 - THERE ARE NO HIGHLY ERODIBLE SOILS ON SITE.
 - ALL SOILS ON SITE ARE GLENELG-URBAN LAND COMPLEX, HYDRAULIC SOIL GROUP B. SLOPES FROM 0 TO 8 PERCENT SLOPES.
 - THERE ARE NO STEEP SLOPES ON SITE.
 - THERE ARE NO CEMETERIES ON SITE OR ADJOINING THE PROPERTY.
 - THERE ARE NO HISTORIC SITES ON SITE OR ADJOINING THE PROPERTY.
 - THERE ARE NO SPRINGS OR SEEPS ONSITE.
 - THERE ARE NO BEDROCK OR MARLBORO OUTCROPS ONSITE.
 - THERE ARE NO WETLANDS ONSITE.
 - THE PROJECT SITE DOES NOT LIE WITHIN A 100-YEAR FLOOD PLAIN PER FEMA MAP NO. 24027C0145D EFFECTIVE 11-06-2013.
 - THE SITE IS NOT LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA.
 - THE SITE IS LOCATED IN THE TIER II CATCHMENT AREA, LITTLE PATUXENT RIVER HYDROLOGIC UNIT CODE: 021311, 8-DIGIT WATERSHED ID: 02131105.
 - EXISTING SEPTIC TANK AND TRENCH LOCATED PER MARYLAND STATE DEPARTMENT OF HEALTH SEWAGE DISPOSAL TESTING A09954 P17445 ON 09/07/72.
 - ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM MARYLAND NAD 83/91 AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
 - ALL 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.
 - CERTIFICATION OF COMPLIANCE WITH MDE OWNERSHIP WIDTH AND LOT AREA REQUIREMENTS FOR LOTS CREATED AFTER 1985:
 • THE LOTS SHOWN HEREIN COMPLY/COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
 - MDE STATEMENT FOR LOTS CREATED AFTER MARCH 1972:
 "THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY."
 - NEW SEPTIC SYSTEM SHALL BE INSTALLED PRIOR TO BUILDING PERMIT APPROVAL.
 - I CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF."



VICINITY MAP

SCALE: 1"=2000'
 ADC MAP/GRID: 18/J2



PERCOLATION CERTIFICATION PLAN

SCALE: 1"=20'

BORING LOCATIONS

BORING #	NORTHING	EASTING	EX.ELEV
101	546066.55	1335997.86	488.00
102	546086.43	1335857.87	483.85
103	545975.61	1335974.47	484.90
104	545988.69	1335883.00	481.00
105	546038.02	1335922.30	484.20
106	545994.36	1335844.35	479.30

LEGEND

- PROPERTY LINE
- - - 220' CONTOUR
- - - EDGE OF ROAD
- - - FENCE LINE
- - - BUILDING LINE
- - - OVERHEAD ELECTRIC
- EXISTING TREES
- LIGHT POLE
- UTILITY POLE
- SEWER CLEANOUT
- APPROVED PERCOLATION TEST
- ▲ EXISTING WELL

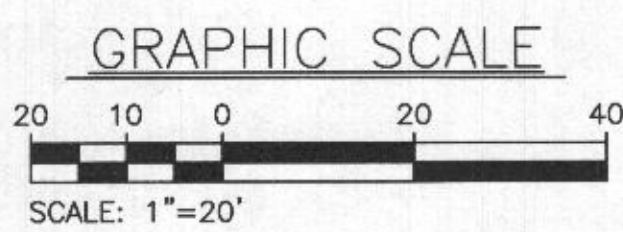
PURPOSE STATEMENT

THE PURPOSE OF THIS PLAN IS TO ESTABLISH A SEWAGE DISPOSAL AREA FOR A BUILDING PERMIT ADDITION.

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 51972 EXP. DATE: 12/11/2019

SEWAGE DISPOSAL SYSTEM DESIGN SPECIFICATIONS/CALCULATIONS

INITIAL SYSTEM / 1st REPLACEMENT SYSTEM	2nd REPLACEMENT SYSTEM
APPLICATION RATE = 0.8	APPLICATION RATE = 0.6
DESIGN FLOW = 150gal/day x 5 BEDROOM = 750 gal/day TOTAL	DESIGN FLOW = 150gal/day x 5 BEDROOM = 750 gal/day TOTAL
DRAINFIELD REQUIRED = DESIGN FLOW / APPLICATION RATE = 750 gal/day x 0.8 = 938 S.F.	DRAINFIELD REQUIRED = DESIGN FLOW / APPLICATION RATE = 750 gal/day x 0.6 = 1,250 S.F.
SIDEWALL REDUCTION CREDIT FORMULA = $\frac{W+2}{W+1+2D} \times 100$	SIDEWALL REDUCTION CREDIT FORMULA = $\frac{W+2}{W+1+2D} \times 100$
W = 3.0FT D = 3.5	W = 3.0FT D = 3.5
SIDEWALL REDUCTION CREDIT = 0.45	SIDEWALL REDUCTION CREDIT = 0.45
LINEAR FT OF TRENCH REQUIRED = 938 S.F X 0.45 / 3.0 FT = 141 FT	LINEAR FT OF TRENCH REQUIRED = 1,250 S.F X 0.45 / 3.0 FT = 188 FT



APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
 HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE: 11/9/2018

KCI TECHNOLOGIES
 ENGINEERS, PLANNERS, SCIENTISTS, CONSTRUCTION MANAGERS
 11830 WEST MARKET PLACE, SUITE F, FULTON, MD 20759
 TELEPHONE: (410) 792-8086, FAX: (410) 792-7419

REVISIONS		DATE
NO.	DATE	DESCRIPTION

CHERRY TREE
 7429 CHERRY TREE DRIVE, FULTON MD, 20759

PERCOLATION CERTIFICATION PLAN

TAX MAP: 41 GRID: 14 PARCEL: 318 ZONED: RR-DEO
 HOWARD COUNTY MARYLAND (20759)

DRAWING NO. **C-1.00**
 SHEET 1 OF 1
 KCI JOB NUMBER 271800113