

222

AP

219

Red Brown
SC
4.5
Red
Brown
green
FSL
Well
Calypso
112
C.R.

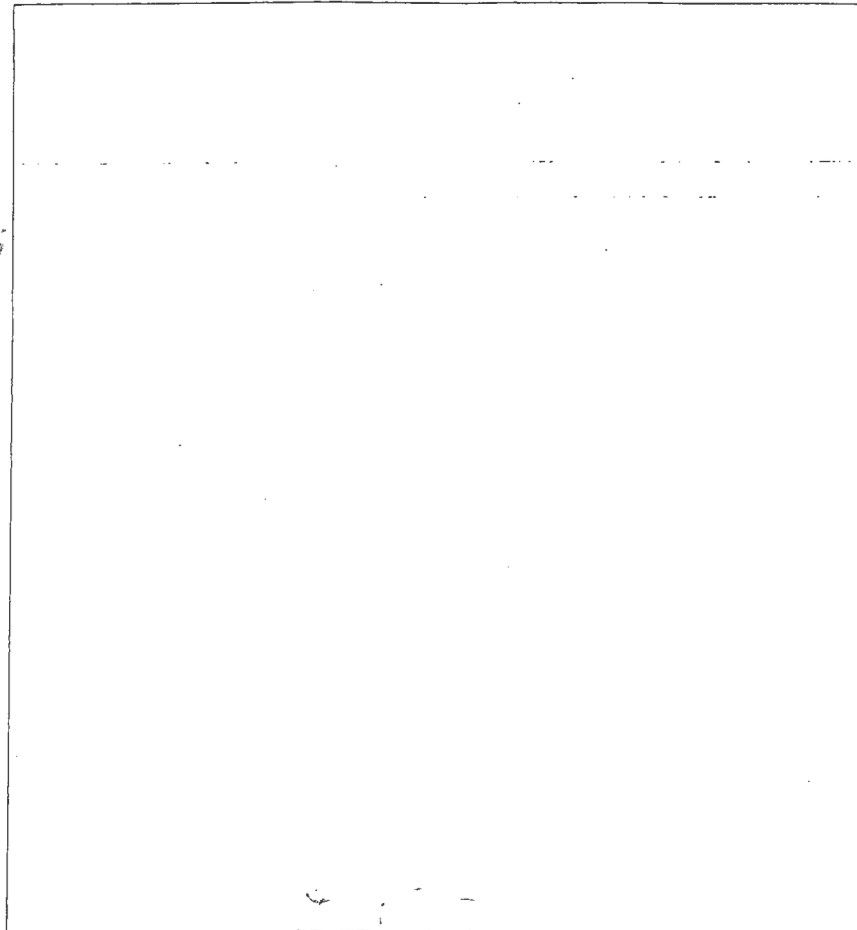
Red
Brown
SC
4
Red Brown
yellow
F. B.
Much
mud
Hole
10

220

Yellow
Brown
Mud
SC
4
Yellow
Brown
FSL
Mud
C.R.
10

221

Red Brown
SC
Mud
Mud
6
Red Brown
Brown
FSL
SC
C.R.
10



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-26-83	219	5/10	9:31	10:38	10:52	10:52	F 10' H
5-26-83	220	5/10	10:10	10:14	10:19	10:19	P 22' 9"
5-26-83	221	5/10	10:27	10:57	11:07	11:07	F 10' B 1/2"
5-26-83	222	5/10	10:45	10:46	10:47	10:47	P

REMARKS _____
 SANITARIAN DS BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A/P _____

#502

Red Brown
yellow
SL 3'Red Brown
yellow
FSL

5-10%

R4

↓

H2O in

the Bottom

9.5'

H2O seeping

10'

in @ 9'

#501

Red Brown
yellow
SL 3'Red Brown
yellow
FSL

5-10%

R4

Seeping in

H2O in @ 13.5'

the Bottom

14'

Lot # 14

Carroll - Yigler K

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-28-45	502	5/10	1:50	1:55	2:01	6 min	P
5-28-45	501	5.5/14	1:52	1:54	1:57	3 min	P

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

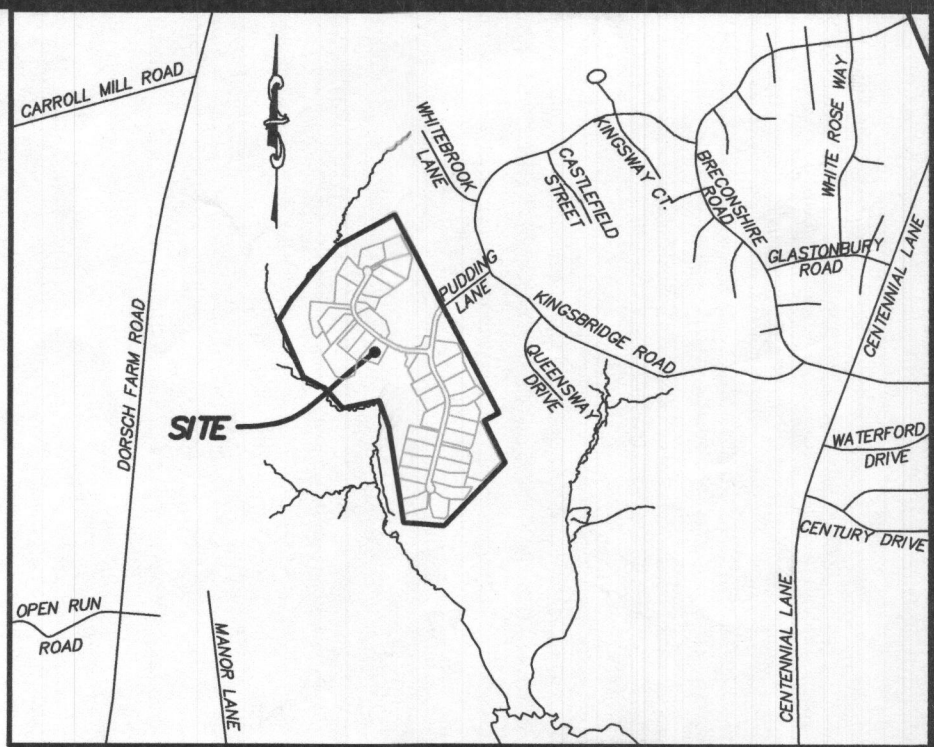
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

SOILS LEGEND				
SOIL	NAME	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP
GbA	BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES	YES	D	
GbA	GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES		B	
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES		B	
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES		B	
GbB	GLENNVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES	YES	C	D
Hs	HATBORO-CODORUS, 0 TO 3 PERCENT SLOPES	YES	D	C
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES		B	

NOTES:
HYDRIC SOILS AND / OR CONTAINS HYDRIC INCLUSIONS

PURPOSE NOTE:

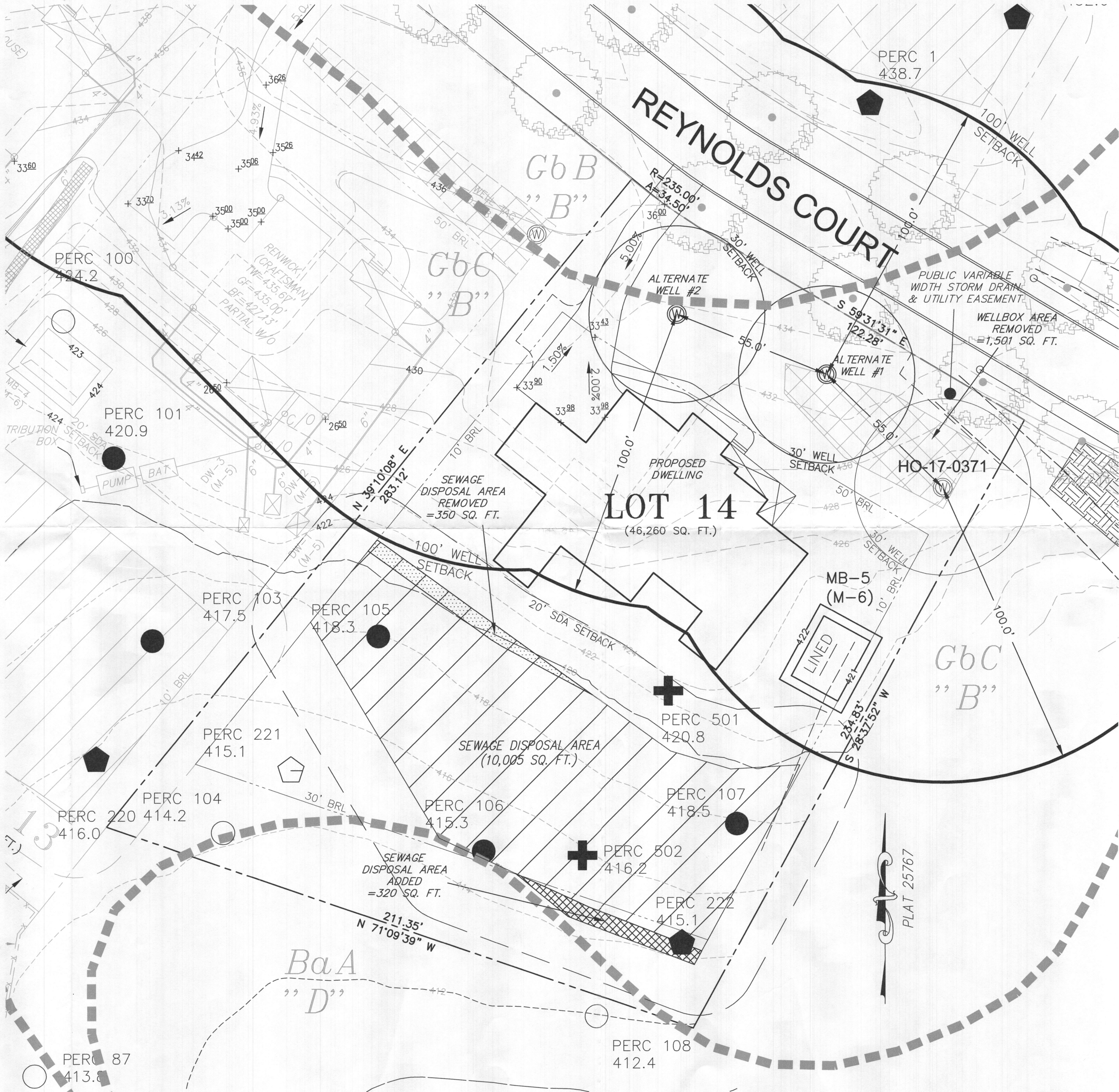
THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION PLAN IS TO GET RID OF THE WELLBOX AREA AND ADD 2 ALTERNATE WELL SITES AS WELL AS ALTERING THE SEWAGE DISPOSAL AREA (SDA) FOR LOT 14 TO ALLOW MORE ROOM FOR THE PROPOSED HOUSE.



VICINITY MAP
1" = 1000'

LEGEND:

- PROPOSED DRYWELL LOCATION
- BOUNDARY/RIGHT OF WAY LINE
- BRL BUILDING RESTRICTION LINE
- PROPOSED CURB
- EXISTING WELL
- ALT PROPOSED ALTERNATE WELL
- PASSED PERC
- FAILED PERC
- SOIL TYPE (TYP.)
- WELL BOX
- SEWAGE DISPOSAL AREA
- PROPOSED TREES
- FAILING TEST LOCATION 5/13 - 6/13
- PASSING TEST LOCATION 5/13 - 6/13
- PASSING TEST LOCATION 3/13
- PASSING TEST LOCATION 5/14



GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN.
- HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- TOPOGRAPHY SHOWN HEREON IS FROM HOWARD COUNTY GIS TOPOGRAPHY 2' CONTOUR INTERVAL AND FIELD VERIFIED BY BENCHMARK ENGINEERING, INC. IN 2013.
- THE EXISTING WELL FOR LOT 14 (TAG NO. HO-17-0371) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN HEREON.
- ALL SEPTIC SYSTEMS TO BE INSTALLED SHALL UTILIZE BEST AVAILABLE TECHNOLOGIES TO TREAT SEPTIC EFFLUENT.



PERC CERTIFICATION

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD LOCATIONS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Michael Joe Boyce
PROFESSIONAL SURVEYOR FOR ESE CONSULTANTS, INC.
MD. LICENSE NO. 21328, EXPIRES 1/8/23

11/01/22
DATE

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

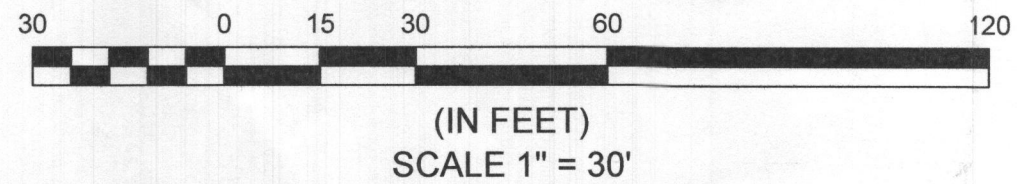
County Health Officer

11/15/22
DATE

ESE CONSULTANTS

ENGINEERING • PLANNING • SURVEYING • ENVIRONMENTAL

ESE Consultants, Inc.
6731 Columbia Gateway Drive • Suite 120 • Columbia, MD 21046
T: 410-872-9105



REVISED PERCOLATION CERTIFICATION PLAN KINGS FOREST

LOTS 1-36, BUILDABLE PRESERVATION PARCEL D
AND NON-BUILDABLE PRESERVATION PARCELS A, B, C AND E THRU I
A RESUBDIVISION OF CARROL-ZIEGLER PROPERTY
NON-BUILDABLE BULK PARCEL K
PREVIOUSLY RECORDED AS PLAT NO. 19791

LOT 14

AS SHOWN ON PLAT NO. 25766

ZONED: RC-DEO

TAX MAP: 23, GRID: 23, PARCEL: 148

10601 REYNOLDS COURT, ELLICOTT CITY, MD 21042

2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

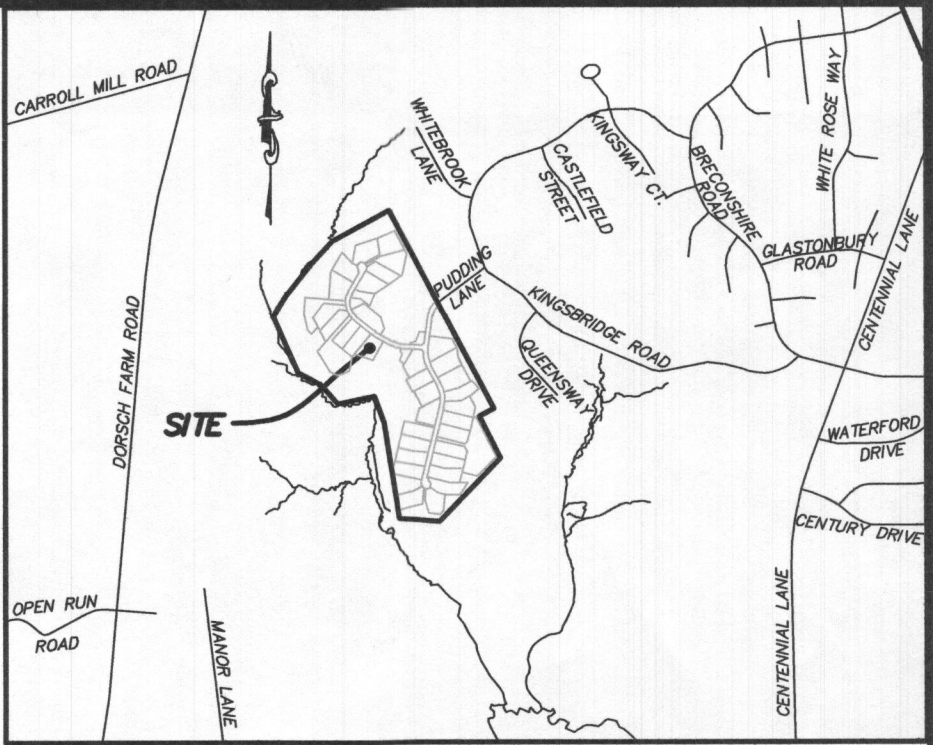
SCALE: 1"= 20' DATE: OCTOBER 2022

SOILS LEGEND				
SOIL	NAME	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP
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GbA	GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES		B	
GbS	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES		B	
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES		B	
*GbB	GLENNVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES	YES	C	D
*Ha	HATBORO-CODORUS, 0 TO 3 PERCENT SLOPES	YES	D	
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES		B	C

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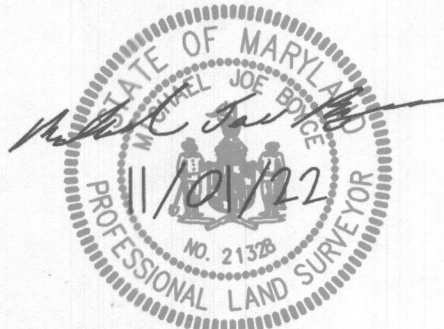
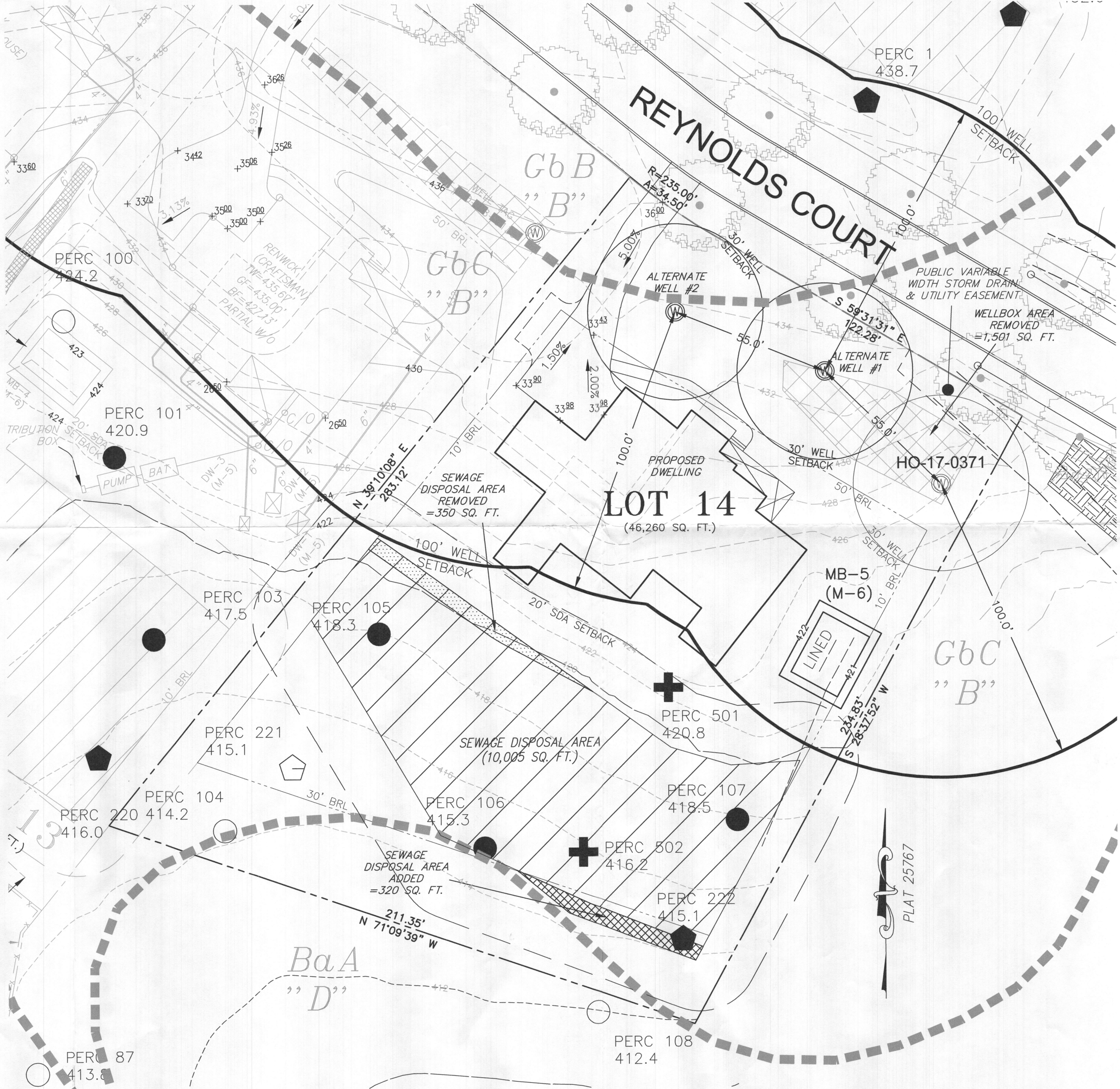
VICINITY MAP
1" = 1000'

LEGEND:

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- BOUNDARY/RIGHT OF WAY LINE
- BUILDING RESTRICTION LINE
- PROPOSED CURB
- EXISTING WELL
- PROPOSED ALTERNATE WELL
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Michael Joe Boyce
MICHAEL JOE BOYCE
PROFESSIONAL SURVEYOR FOR ESE CONSULTANTS, INC.
MD. LICENSE NO. 21328, EXPIRES 1/6/23

11/01/22
DATE

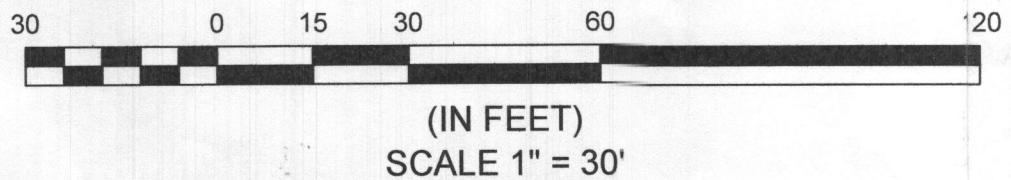
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

[Signature]
COUNTY HEALTH OFFICER
[Signature]
DATE

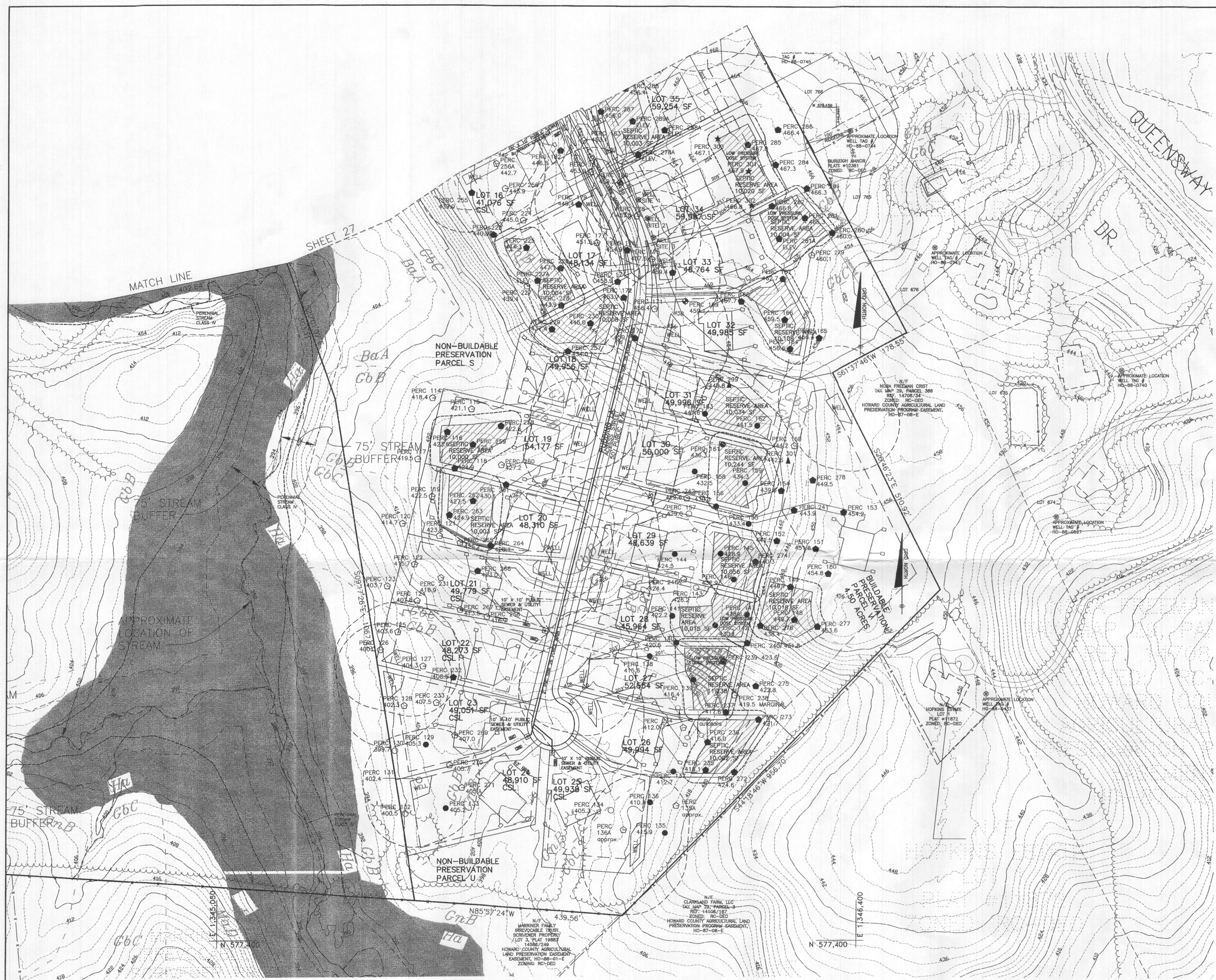
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3502 Reynolds Court
REVISED
PERCOLATION CERTIFICATION PLAN
KINGS FOREST
LOTS 1-36, BUILDABLE PRESERVATION PARCEL D
AND NON-BUILDABLE PRESERVATION PARCELS A, B, C AND E THRU I
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10601 REYNOLDS COURT, ELLICOTT CITY, MD 21042
2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND
SCALE: 1"= 20' DATE: OCTOBER 2022



- LEGEND**
- EXISTING CONTOURS
 - EXISTING TREELINE
 - LIMIT OF SUBMISSION
 - PROPOSED SEPTIC AREA
 - WELL BOX
 - SOILS DELINEATION
 - PREVIOUSLY TESTED AND PASSED PERCOLATION TEST
 - PREVIOUSLY TESTED AND FAILED PERCOLATION TEST
 - PASSING TEST LOCATION 3/13
 - FAILING TEST LOCATION 3/13
 - PASSING TEST LOCATION 5/13 - 6/13
 - FAILING TEST LOCATION 5/13 - 6/13
 - PASSING TEST LOCATION 7/13
 - FAILING TEST LOCATION 7/13
 - PASSING TEST LOCATION 3/14
 - FAILING TEST LOCATION 3/14
 - PASSING TEST LOCATION 5/14

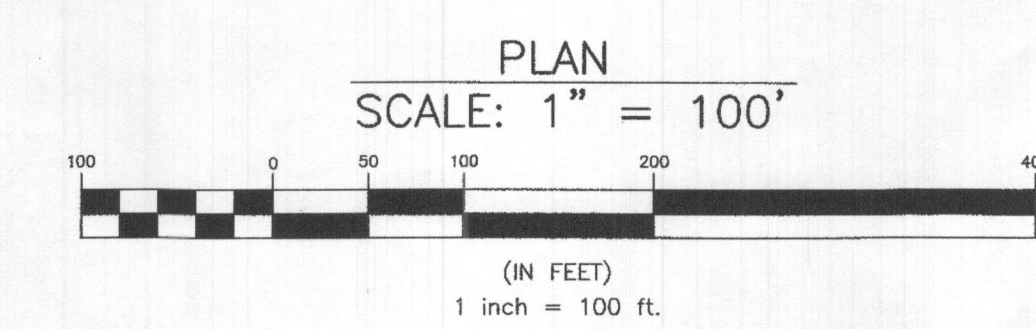
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John Carney
PLAN PREPARER
JOHN CARNEY
FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Paula for Maria Rosman 6/18/2014
DATE
HOWARD COUNTY HEALTH OFFICER

BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-6844 WWW.BE-CIVILENGINEERING.COM BENCHMARK-ENGINEERING.COM	
OWNER: JESSICA AND SOPHIE ZIEGLER 730 DOLORES STREET SAN FRANCISCO, CA 94110	PROJECT: THE CARROLL-ZIEGLER PROPERTY RESUBDIVISION OF BULK PARCEL K A RESUBDIVISION OF NON-BUILDABLE BULK PARCEL K AS SHOWN ON PLAT NO. 19790 CREATING LOTS 1-36, BUILDABLE PARCEL V AND NON-BUILDABLE PARCELS S, T, U AND W
DEVELOPER: TOLL BROTHERS, INC. 7164 COLUMBIA GATEWAY DRIVE SUITE 230 COLUMBIA, MD 21046 410-381-3263	LOCATION: TAX MAP: 23, GRID: 23 PARCEL: 148 PUDDING LANE, ELICOTT CITY, MD 21042 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE: PERCOLATION CERTIFICATION PLAN	
DRAFT: JC DESIGN: JC CHECK: -	DATE: JUNE, 2014 PROJECT NO. 2501 SCALE: 1" = 100' SHEET 2 OF 2



SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND PAGE				
SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
BaA*	YES	D		BAILE SILT LOAM, 0 TO 3 PERCENT SLOPES
GGA		B		GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES
GBB		B		GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES
GBC		B		GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES
GnB*	YES	C	D	GLENNVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES
Ha*	YES	D	C	HAITBORO-CODORUS, 0 TO 3 PERCENT SLOPES
MaD		B		MAJOR LOAM, 15 TO 25 PERCENT SLOPES