

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: 2/1/23 **ONSITE SEWAGE DISPOSAL SYSTEM** P 572769
 APPROVAL DATE: 3/23/2023 **SPERMIT: UPGRADE** A _____
 PROPERTY ADDRESS: 1801 Long Corner Road
 SUBDIVISION: Stone Property LOT: 4 TAX ID: _____
 CONTRACTOR: Fogles Septic Clean Inc. EMAIL: kim@foglesinc.com
 CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 217845 PHONE: 410-795-5670
 PROPERTY OWNER: Josef Behling EMAIL: _____
 OWNER ADDRESS: 1801 Long Corner Road, Mount Airy, MD 21771 PHONE: _____
 SEPTIC TANK SIZE (GALLONS): 2000 TANK MANUFACTURER: Mayer Bros
 PUMP MODEL: n/a PUMP SIZE n/a PUMP TANK CAPACITY: n/a

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>160</u>	INLET DEPTH: <u>4</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>11</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	- 2x80 trenches - Locate existing OSDS - Existing well and OSDS to be abandoned	

ISSUED BY: [Signature] ISSUE DATE: 2/1/2023 EXPIRATION DATE: 2/1/2024

- 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 n/a
- 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.**

NOT TO SCALE

See separate
sheet for
As-built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3	4	8
NUMBER OF TRENCHES		2
TOTAL LENGTH		158
ABSORPTION AREA		479 ft ³
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes
 MANUFACTURER Babylon
 CAPACITY 2000 GAL
 SEAM LOC Top
 TANK LID DEPTH 1.5' - 2'
 BAFFLES 6" front & 4" back
 BAFFLE FILTER ---
 MANHOLE LOC front & back
 6" PORT LOC ---
 WATERTIGHT TEST ---
 SLOTTED yes
 DATE ON LID 1/29/2023

PUMP/SEPTIC TANK LEVEL N/A

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

PRE-CONSTRUCTION:

3/13/23 - Contractor & home owner onsite for pre-con, tank & d box staked, laid out 2 trenches @ 80' each on contour. Contractor wants to change location of d box to move it out of the area where the cesspool was located and bring it closer to the trenches. ok to continue (20)

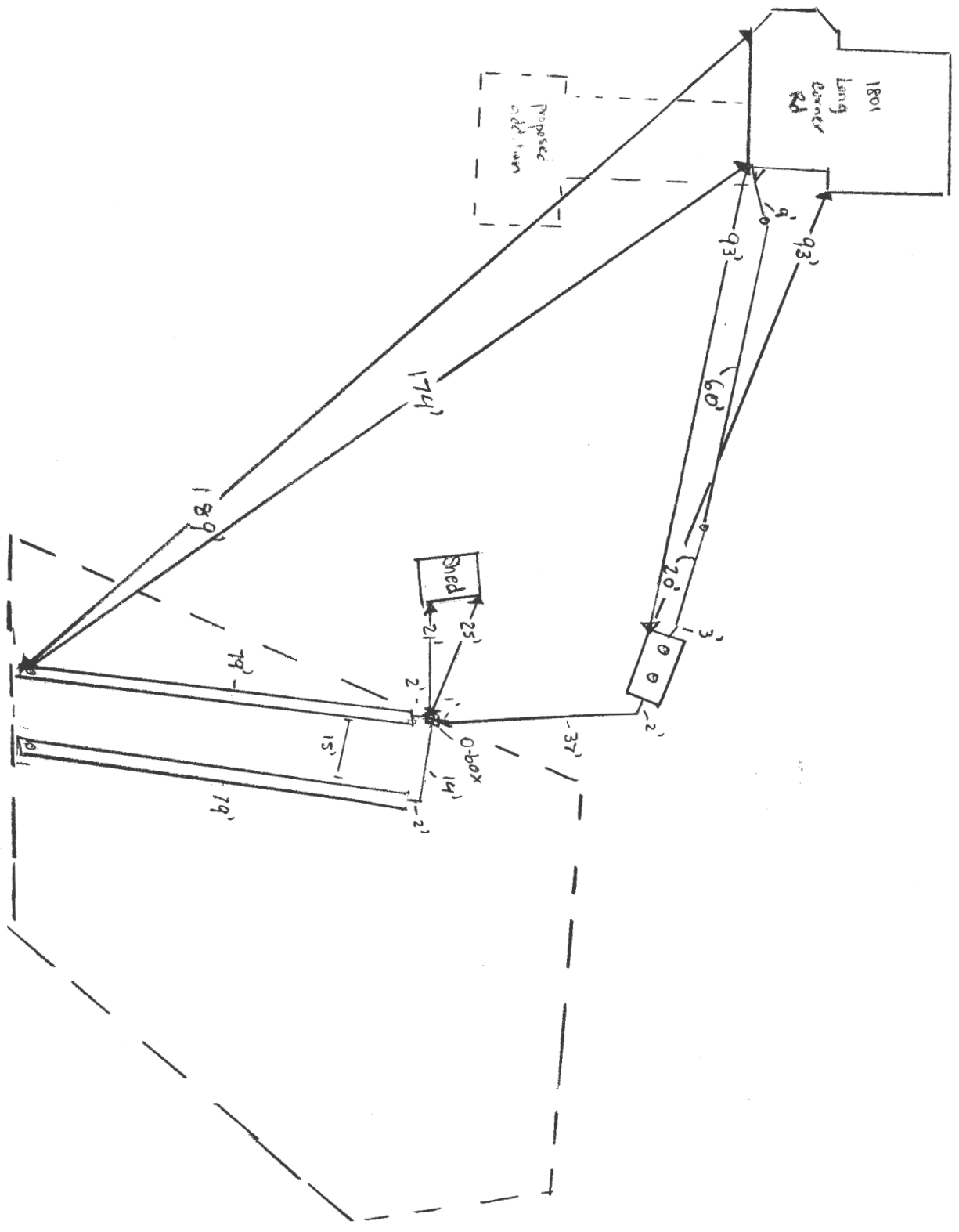
INSTALLATION: 3/20/23 - site inspection, contractor onsite excavating for the septic tank and hitting nothing but rock, they will need to use the jack hammer on the backhoe first then the 3' bucket. (20)

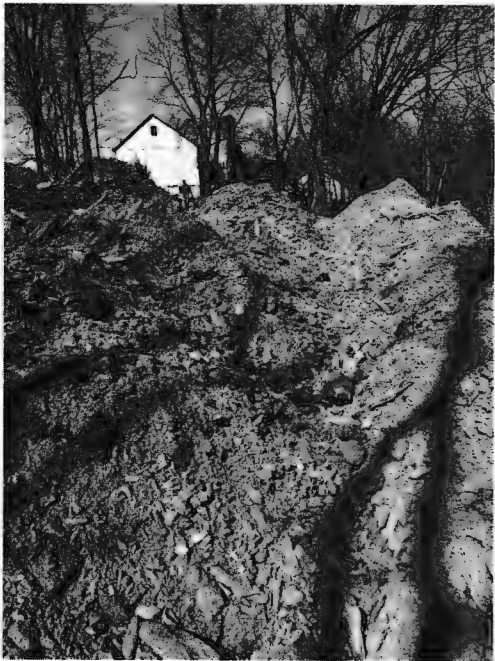
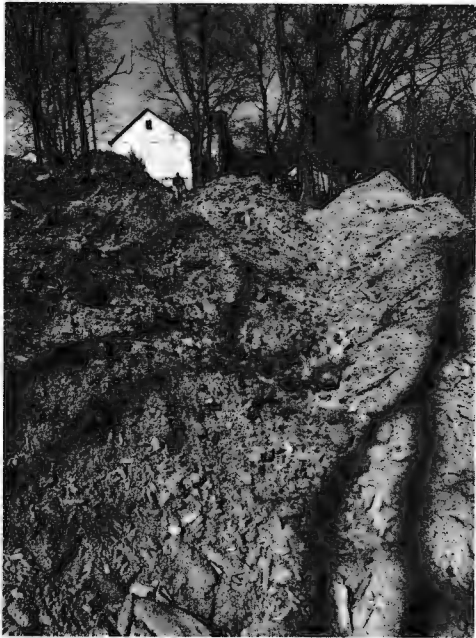
3/21/23 - Contractor used a jackhammer on the backhoe to get through the rock in the septic tank hole, tank set but nothing connected, one backhoe digging the sewer line and mini skid loader working on stone for the bottom trench, stone looks ok, no fabric installed yet, could not triangulate st's trench, too much in the way, will need to get distances on 3/22/23, ok to continue. (20)

3/23/2023 - 6" sleeve from house. Lots of rock found in upper 4' of 1, see attached pictures. D box leveled, measured trenches, both @ 79". Saw 6" front baffles & 4" back baffles. Saw slots. Saw beginning of 1, fabric & stone & obs. port. Saw entire 1, 2, fabric & stone & obs port. (50)

FINAL INSPECTOR Shepsra Pyle . DATE OF APPROVAL 3/23/2023

NOT TO SCALE 1" = 50'







3/20/23 → site insp.
encountering a lot
of rock where the
septic tank is going, will
bring the jackhammer
to the site for the backhoe. (14)

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

324242
INDEXED

P _____

A 47144

DISTRICT _____

DATE _____

DATE SYSTEM APPROVED _____

INSPECTOR _____

_____ IS PERMITTED TO INSTALL _____ ALTER _____

ADDRESS _____ PHONE _____

SUBDIVISION Stone Property LOT 1 ROAD 1801 Long Corner Road

PROPERTY OWNER Sanford & Audry Stone

ADDRESS 1801 Long Corner Road

SEPTIC TANK CAPACITY _____ GALLONS

NUMBER OF BEDROOMS _____

_____ SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED _____

COPIES OF PERMIT SIGNED
AND RETURNED 4/3/97
Serial # 461-104721-
Sitting Room

PLANS APPROVED BY _____ DATE _____

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

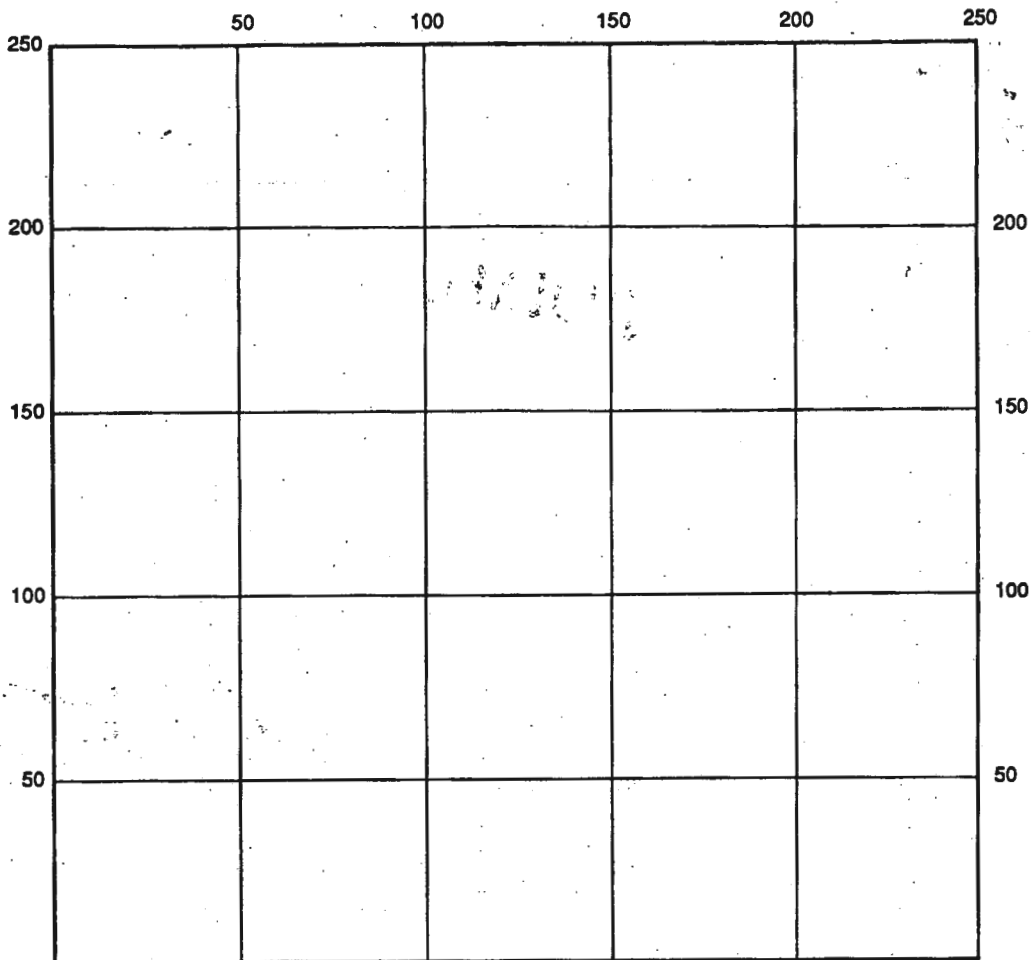
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

HD-260(6-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A
47144



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL _____ CLEANOUTS _____

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TITLE DEPTH _____ FT. TRENCH WIDTH _____ FT. INLET DEPTH _____ FT.

EFFECTIVE GRAVEL DEPTH _____ FT. TOTAL LENGTH _____ FT.

NUMBER OF TRENCHES _____ ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: _____

DATE SYSTEM APPROVED _____ INSPECTOR _____

APPLICATION

PERCOLATION TESTING

A 47144

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

DISTRICT _____

DATE 5/23/91

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Seaford H. and Audrey L. Stone

ADDRESS 1801 Long Corner Rd, Mt. Airy, MD 21771 (301) PHONE 831-5963

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION (to be subdivided) part of Liba 158 Folca 265 LOT NO Lot B (Lot #2)
Liba 0880 Folca 703

ROAD AND DESCRIPTION Long Corner Rd

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3.0 TYPE BLDG NA
(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.

Audrey L. Stone
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7/16/91 PERCOLATION TEST REQUIRED
THERE ARE SOME GOOD WELLS, BUT WE DO NOT
KNOW HOWE SITE & WELLS ARE P.

HD-216

THIS IS NOT A PERMIT

10-8-86
1:30

APPLICATION

37577
~~57578~~
A
P

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____
DATE 8/27/86

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Sanford H. Stone

ADDRESS 1801 Long Corner Rd, Mt. Airy PHONE 831-5963

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: _____

SUBDIVISION Naples Lot 10 Liber 458 Folio 268 LOT NO. LOT B
Current: Liber 0880 Folio 703 ~~A EXISTING DWELLING~~

ROAD AND DESCRIPTION 1801 Long Corner Rd Lot with dwelling and outbuildings

TAX MAP _____ PARCEL # _____

SIZE OF LOT 4.65 acres TYPE BLDG. Single Family Dwelling
(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.

Sanford H. Stone
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/8/86 Perc. Satisfactory; Hold for Plat. S. Abner

THIS IS NOT A PERMIT

APPLICATION

37577
~~37578~~

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____
DATE 8/27/86

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Sanford H. Stone
ADDRESS 1801 Long Corner Rd, Mt. Airy PHONE 831-5963

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION: LOT B
SUBDIVISION Naples Lot 10 Liber 458 Folio 268 LOT NO. ~~A 071774 Dwelling~~
Current: Liber 0880 Folio 703
ROAD AND DESCRIPTION 1801 Long Corner Rd lot with dwelling and outbuildings

TAX MAP _____ PARCEL # _____
SIZE OF LOT 4.65 acres TYPE BLDG. Single Family Dwelling
(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.
Sanford H. Stone
(SIGNATURE OF APPLICANT)

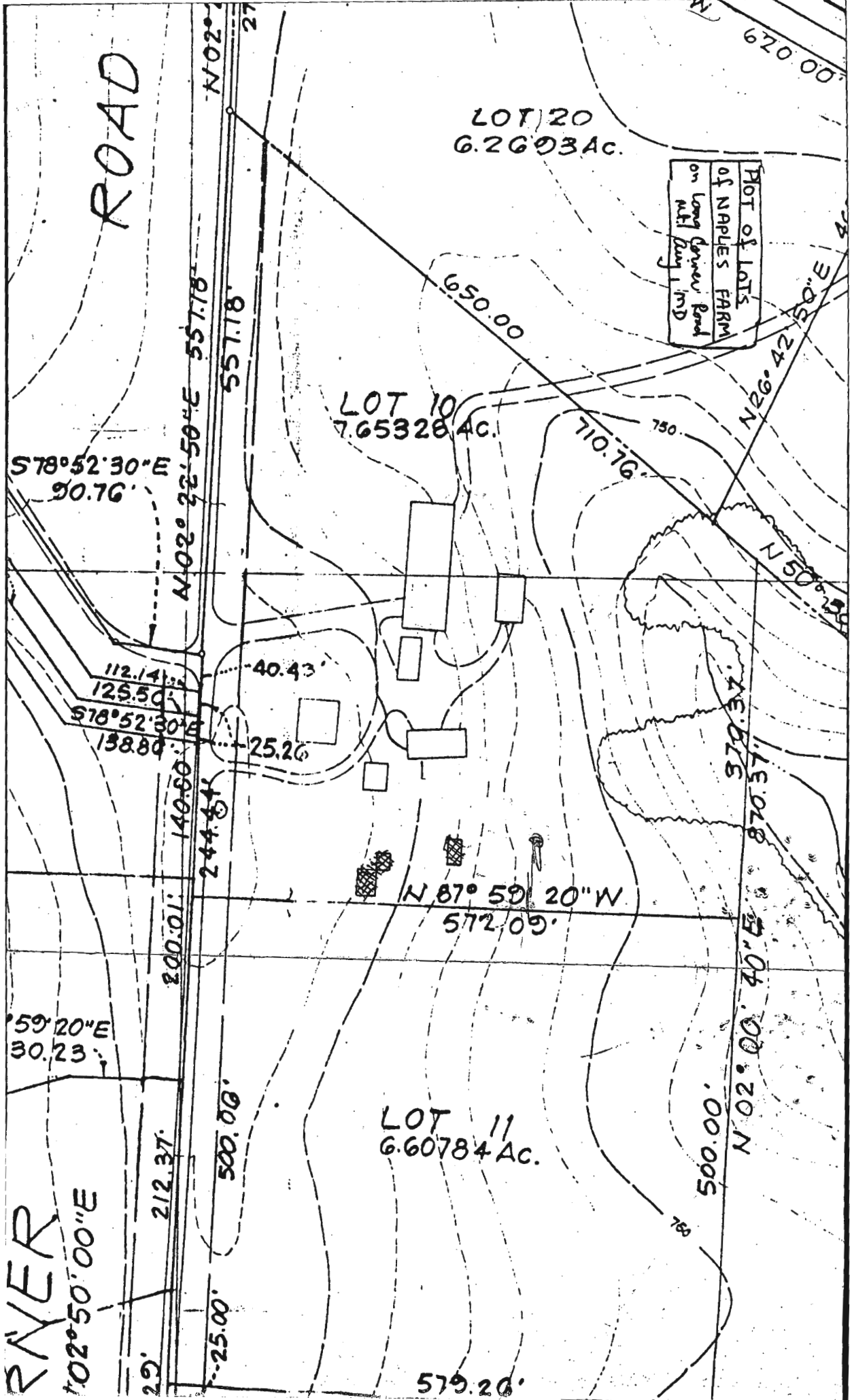
APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/8/86 Perc. SATISFACTORY; HOLD FOR PLAT. S. Stone

THIS IS NOT A PERMIT



SITE INSPECTION SHEET

OWNER: Stone Property

DATE REQUESTED: 12/95

ADDRESS: 1801 Long Corner Rd

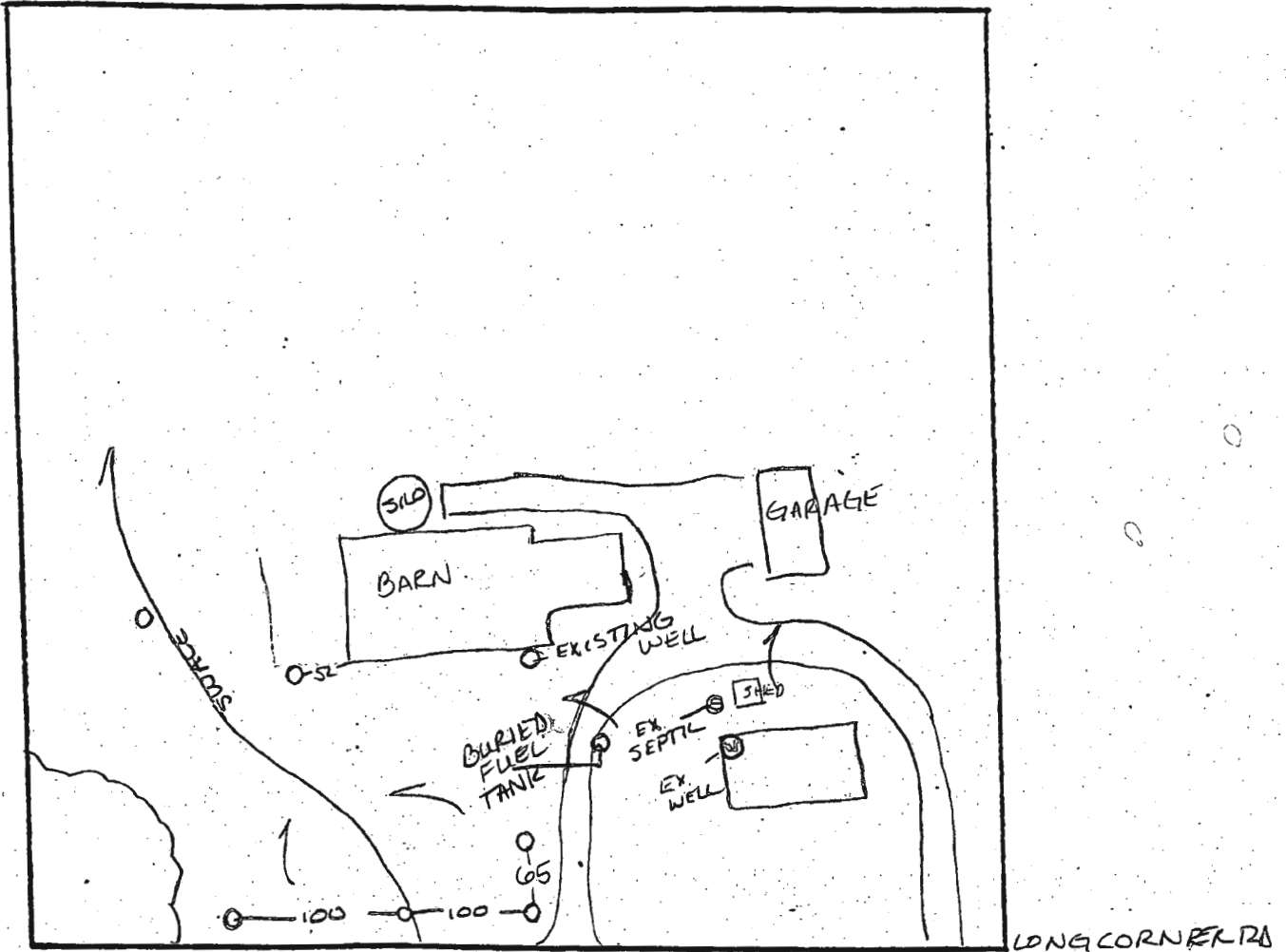
DRILLER: _____

WELL TAG # _____

COUNTY # _____

PROPOSAL: 4/26/96 Inspection to verify actual locations of test holes to determine if re-perc is needed for subdivision Au

LOCATION DIAGRAM



COMMENTS: 5/3/96 APPEARS THAT ADJUSTMENT OF EXISTING SEPTIC ESMT TOWARD'S LEFT PROPERTY LINE IS EXTREMELY LIMITED DUE TO SWALE LOCATION. ALSO, EXISTING WELLS ARE IN QUESTION DUE TO PROXIMITY EXISTING SEPTIC AND BU

INSPECTOR: _____

SEPTIC SYSTEM AND A BURIED FUEL TANK

REGULATIONS REQUIRE A MINIMUM OF 100

FOOT SEPARATION. IN LIGHT OF THESE FINDINGS,

IT IS SUGGESTED THAT THESE WELLS BE TESTED

TO CONFIRM THE EXISTENCE OF A SAFE DRINKING

WATER SUPPLY.

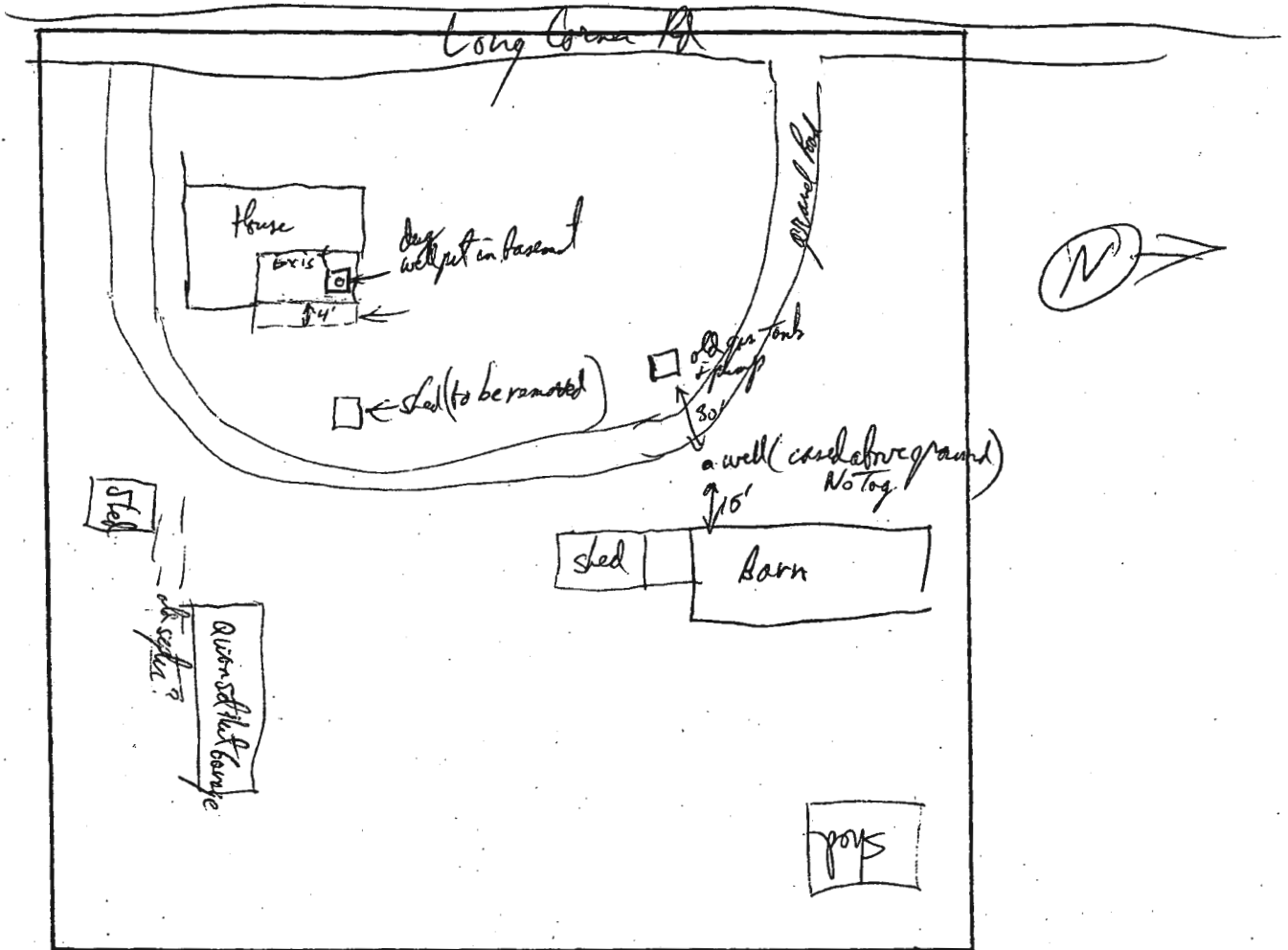
SITE INSPECTION SHEET

OWNER: Stone, Sanford
ADDRESS: 1801 Long Corner Rd
Mt Airy 21771

DATE REQUESTED: _____
DRILLER: _____
WELL TAG # _____
COUNTY # _____

PROPOSAL: (Remove old Veranda - old Nover Rd addition, upgrade basement floor (prevent dirt & gravel)
to improve well protection

LOCATION DIAGRAM



COMMENTS: _____

DATE: _____ INSPECTOR: _____

184

184

N 02° 22' 51" E

244.44'

557.10'

775

775

N 89° 00' E

60.00' +

407.10'

710.75

N 87° 59' 20" W

572.09'

80.00' +
TO ROAD W NE

750

750

750

750

750

N 02° 00' 40" E

370.37

750

750

750

750

750

NOT TO SCALE

PROPERTY OF THE STONES

1501 LONG (COURT) ROAD

HOUSE

OUTBUILD

OUTBUILD

OUTBUILD

BARN

SIDE

DRIVE

LOT

LOT

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Miller & McIntyre
Custom Builders Inc.
301-695-6338

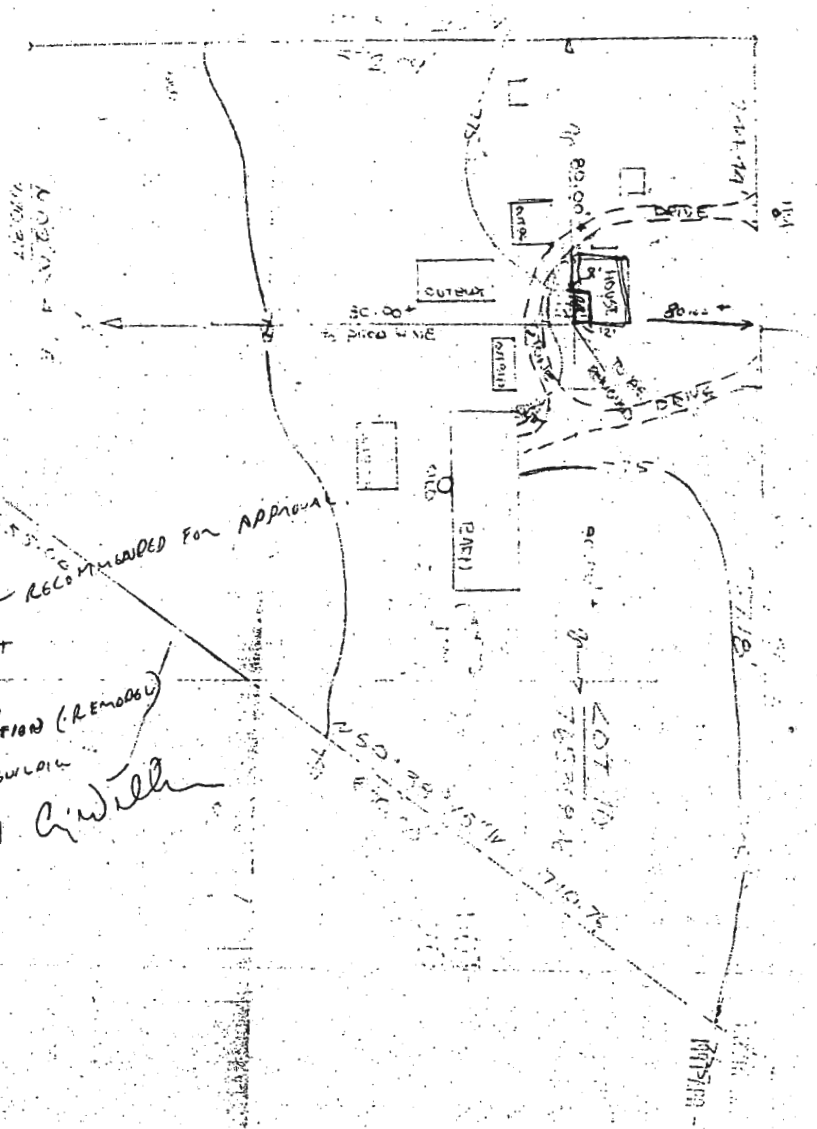
We propose to put up a new block wall (on well pit)
with a door so that EASY ACCESS is available
to the well in the basement. When finished (concrete to)
the wall will be approximately 2' above our
finished basement floor.

[Signature]

Proposal appears to be a slight improvement
over existing condition (at least no worse),
at least to provide protection and
accessibility -
Recommendation accepted
OK - [Signature] Building Dept
4/3/97

PROPERTY OF THE STONES
18-1 LORIC CORNER LOT
BY HOWARD COUNTY, MD.

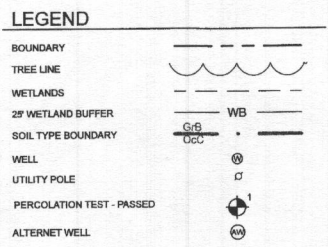
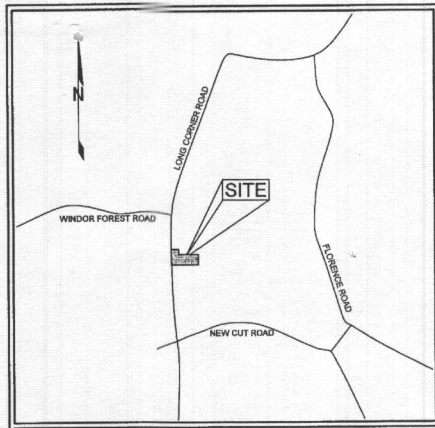
NOT TO SCALE



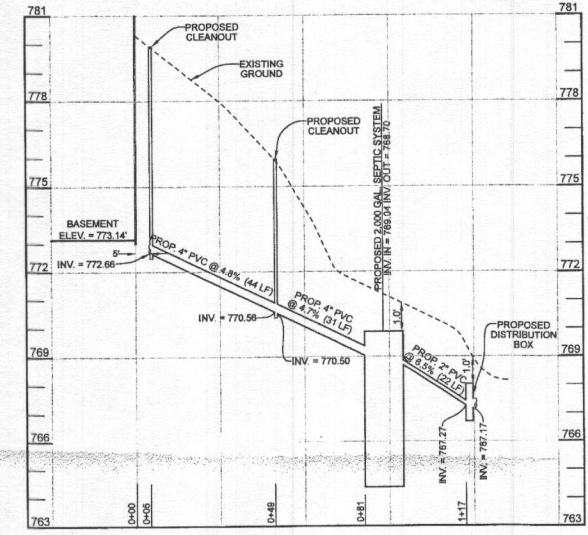
600104721 - PROPOSED ADDITION - RECOMMENDED FOR APPROVAL
 APPLICANT HAS DEMONSTRATED THAT
 EXISTING WELLS WILL BE
 ADEQUATELY PROTECTED
 BY NEW CONSTRUCTION (REMOVAL)
 OF EXISTING BUILDING
 4/3/97 C. Will

P 2-21

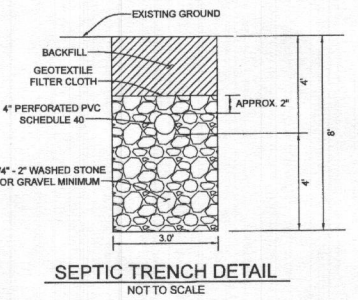
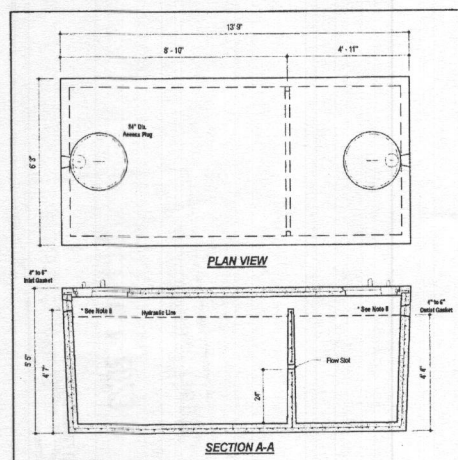
1997 APR - 3 P 2-21



ADC MAP 15-A5
VICINITY MAP
SCALE: 1"=2000'



PROFILE VIEW
SCALE: HORIZ: 1"=30'
VERT: 1"=3'



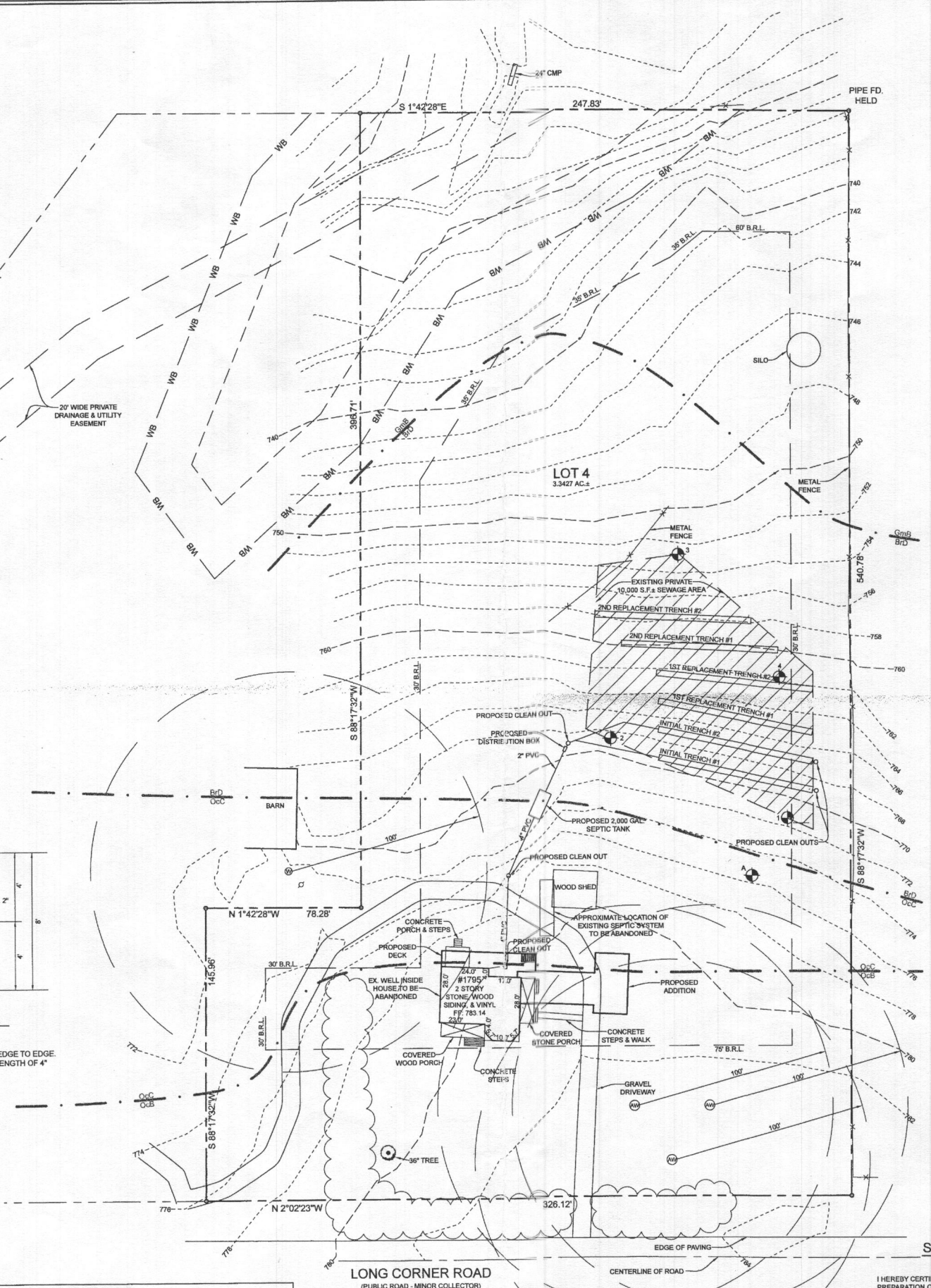
NOTES:
1. TRENCHES SHALL BE CONSTRUCTED 11" (MIN.) EDGE TO EDGE.
2. TRENCH BOTTOMS SHALL BE LEVEL ALONG THE LENGTH OF 4" PERFORATED DISTRIBUTION PIPE.

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	%C FACTOR
B/D	GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES	C	0.20
G/B	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	CD	0.37
C/B	GLADSTONE LOAM, 0 TO 3 PERCENT SLOPES	B	0.37
C/C	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	B	0.37

SEPTIC NOTES
1. ANY CHANGE 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.

2,000 GALLON SEPTIC TANK
2-Compartment
Stock Item (Approx. 19,900 lbs)
Mayer Bros, Inc.
Dep. No. 2000-2C No Scale Aug 11, 2008



PLAN VIEW
SCALE: 1"=30'

GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-DEO PER 10/16/13 COMPREHENSIVE ZONING PLAN.
- THE 1/4" SETBACK ACCURACY IS 1 FOOT.
- PREMISE ADDRESS: 1801 LONG CORNER ROAD, MOUNT AIRY, MD. 21771
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS NOT INTENDED TO SHOW ALL MATTERS RELATED TO THE PROPERTY SHOWN HEREON.
- THE TOPOGRAPHY OF THE PROJECT AND PROPERTY DETAILS ARE BASED ON A FIELD SURVEY PERFORMED BY ADCOCK AND ASSOCIATES IN DECEMBER OF 2021.
- DEED PLOTTING ONLY.
- THIS LOT DOES NOT APPEAR TO LIE WITHIN THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE FEMA FLOOD HAZARD MAP 24027C-010-D-AS REVISED NOVEMBER 8, 2013.
- HORIZONTAL AND VERTICAL DATUM BASED ON NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY, MARYLAND GEODETIC CONTROL. STATION NO. HD_062A E 1,287,824.370 ELEV. 785.231
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). 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 SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- THE EXISTING WELL SHOWN ON THIS PLAN (NO TAG NUMBER FOUND) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- THE SOILS SHOWN HAVE BEEN TAKEN FROM THE NRCS WEB SOIL SURVEY WEBSITE.
- THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES WITHIN THE PROJECT BOUNDARY.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

SEPTIC TRENCH DESIGN (INITIAL SYSTEM)

- INITIAL SYSTEM
- APPLICATION RATE: 0.8
- EFFECTIVE AREA BEGINNING DEPTH: 4'
- BOTTOM MAXIMUM DEPTH: 8'
- DESIGN FLOW:
 - 6 BEDROOMS AT 150 GPD
 - 6x150 GPD = 900 GPD
- SQUARE FOOTAGE OF DRAINFIELD REQUIRED:
 - DESIGN FLOW (900 GPD) / APPLICATION RATE (0.8) = 1,125
- SIDEWALL REDUCTION CREDIT:
 - TRENCH WIDTH (W) = 3'
 - TRENCH DEPTH (D) = 4'
 - (W+2) / (W+1+2D) x 100 = 41.67%
- LINEAR LENGTH OF TRENCH REQUIRED:
 - DRAINFIELD SQUARE FOOTAGE (1,125) x SIDEWALL REDUCTION PERCENTAGE (41.67%) / TRENCH WIDTH (3) = 156.3'
- TRENCH SPACING: 2(D) + W = 2(4) + 3 = 11'
- LINEAR LENGTH OF TRENCH PROVIDED = 158.0'

INITIAL SEPTIC TRENCH CHART

TRENCH NUMBER	EXISTING GRADE	INVERT	TRENCH BOTTOM	LENGTH	WIDTH
1	799.0	765.0	761.0	75'	3'
2	787.0	763.0	759.0	75'	3'

SEPTIC TRENCH DESIGN (REPLACEMENT SYSTEM 1)

- INITIAL SYSTEM
- APPLICATION RATE: 0.8
- EFFECTIVE AREA BEGINNING DEPTH: 4'
- BOTTOM MAXIMUM DEPTH: 8'
- DESIGN FLOW:
 - 6 BEDROOMS AT 150 GPD
 - 6x150 GPD = 900 GPD
- SQUARE FOOTAGE OF DRAINFIELD REQUIRED:
 - DESIGN FLOW (900 GPD) / APPLICATION RATE (0.8) = 1,125
- SIDEWALL REDUCTION CREDIT:
 - TRENCH WIDTH (W) = 3'
 - TRENCH DEPTH (D) = 4'
 - (W+2) / (W+1+2D) x 100 = 41.67%
- LINEAR LENGTH OF TRENCH REQUIRED:
 - DRAINFIELD SQUARE FOOTAGE (1,125) x SIDEWALL REDUCTION PERCENTAGE (41.67%) / TRENCH WIDTH (3) = 156.3'
- TRENCH SPACING: 2(D) + W = 2(4) + 3 = 11'
- LINEAR LENGTH OF TRENCH PROVIDED = 158.0'

1ST REPLACEMENT SEPTIC TRENCH CHART

TRENCH NUMBER	EXISTING GRADE	INVERT	TRENCH BOTTOM	LENGTH	WIDTH
1	785.0	761.0	757.0	75'	3'
2	762.5	758.5	754.5	75'	3'

SEPTIC TRENCH DESIGN (REPLACEMENT SYSTEM 2)

- INITIAL SYSTEM
- APPLICATION RATE: 0.8
- EFFECTIVE AREA BEGINNING DEPTH: 4'
- BOTTOM MAXIMUM DEPTH: 8'
- DESIGN FLOW:
 - 6 BEDROOMS AT 150 GPD
 - 6x150 GPD = 900 GPD
- SQUARE FOOTAGE OF DRAINFIELD REQUIRED:
 - DESIGN FLOW (900 GPD) / APPLICATION RATE (0.8) = 1,125
- SIDEWALL REDUCTION CREDIT:
 - TRENCH WIDTH (W) = 3'
 - TRENCH DEPTH (D) = 4'
 - (W+2) / (W+1+2D) x 100 = 41.67%
- LINEAR LENGTH OF TRENCH REQUIRED:
 - DRAINFIELD SQUARE FOOTAGE (1,125) x SIDEWALL REDUCTION PERCENTAGE (41.67%) / TRENCH WIDTH (3) = 156.3'
- TRENCH SPACING: 2(D) + W = 2(4) + 3 = 11'
- LINEAR LENGTH OF TRENCH PROVIDED = 158.0'

2ND REPLACEMENT SEPTIC TRENCH CHART

TRENCH NUMBER	EXISTING GRADE	INVERT	TRENCH BOTTOM	LENGTH	WIDTH
1	760.0	756.0	752.0	75'	3'
2	757.8	753.8	749.8	75'	3'

Approved Septic System Plan
Howard County Health Department
Signature 11/29/2022
Date

ONSITE SEWAGE DISPOSAL SYSTEM PLAN
BEHLING PROPERTY
1801 LONG CORNER ROAD, MOUNT AIRY, MD. 21771
LOT 4
PLATTED AS "STONE PROPERTY LOTS 3 AND 4"

TAX MAP 6 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND PARCEL 69



Adcock & Associates - LLC
Engineers - Surveyors - Planners
5389 Enterprise Street Suite B-C
Sykesville, Maryland 21784
Phone: 443.325.7682
Email: Mike@AdcockSurveying.com

REFERENCE:
PLAT 22851
DATE:
NOVEMBER 7, 2022
SCALE:
1"=30'
FILE NO.:
22-078

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEY WORK REFLECTED IN IT, IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN THE CODE OF MARYLAND TITLE 9, SUBTITLE 13, CHAPTER 06, REGULATION 12, AND THE POSITION OF EXISTING IMPROVEMENTS AS SHOWN HEREON, ARE CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.
Signature
MICHAEL D. ADCOCK, PROFESSIONAL LAND SURVEYOR
NO. 21257, EXPIRATION DATE: 06-16-2023

