

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: 3/15/2023 **ONSITE SEWAGE DISPOSAL SYSTEM** P 574030

APPROVAL DATE: 3/28/23 **PERMIT: CONSTRUCTION** Upgrade A

PROPERTY ADDRESS: 13931 Hallowell Court

SUBDIVISION: Triadelphia Farms LOT: 4 TAX ID: 05391555

CONTRACTOR: Hatfield's EMAIL: email.hatfields@gmail.com

CONTRACTOR ADDRESS: PO Box 519, Annapolis Junction, MD. 20701 PHONE: _____

PROPERTY OWNER: Douglas and Kathleen Weaver EMAIL: louann@limagestudio.com

OWNER ADDRESS: 13931 Hallowell Court, Dayton, MD 21036 PHONE: 410-370-7612

SEPTIC TANK SIZE (GALLONS): 2000g TANK MANUFACTURER: _____

PUMP MODEL: N/A PUMP SIZE: N/A PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

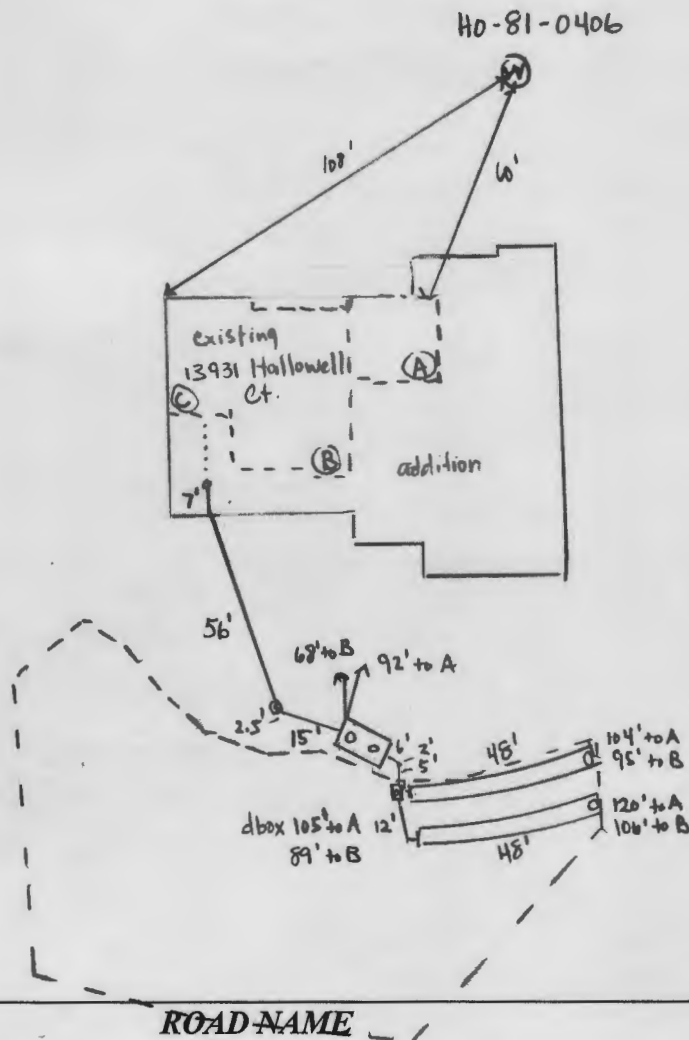
TRENCHES:	LINEAR FEET REQUIRED: <u>96</u> ✓	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u> ✓
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>2 x 48' trenches</u>	

ISSUED BY: Dana B. ISSUE DATE: 2-24-2023 EXPIRATION DATE: 2-24-2024

- 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



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		96'
ABSORPTION AREA		288' + Sidewall
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	2' to 3'
BAFFLES	front 6" / back 4"
BAFFLE FILTER	-
MANHOLE LOC	front / back
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	yes
DATE ON LID	1/23/23

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	

PRE-CONSTRUCTION:

2/22/2023 layout confirmed. Trenches shot in field. OK to install system per plan. prep / call good on ST. call for P/U inspection

INSTALLATION:

3/27/23 - site inspection, contractor on site working on the excavation for the dbox & feeder lines to the trenches, trench 1 & 2 completed (2x48') 8' deep, inlet 3', effective @ 3.5', trenches 11" apart, stone looks good, geotextile fabric in place, observation ports in place, OK to backfill trenches before the rain starts, OK to continue (R) 3/28/23 - site inspection, install complete old sewer line severed & connected line to new septic tank, old tank pumped out crushed & filled in w/ clean fill, dbox leveled, connections to trenches look good, OK to backfill. (R)

FINAL INSPECTOR

B. Reppert

DATE OF APPROVAL

3/28/23

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

Approved 5/15/84
Stager
P 33883
A 29051

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

05-391555
INDEX

ELLICOTT CITY
DISTRICT 5th.

DATE 5/15/84

Jack Fyock, Jr. IS PERMITTED TO INSTALL ALTER

ADDRESS 13775 Triadelphia Road, Glenelg, Maryland 21737 PHONE 988-9270

SUBDIVISION Triadelphia Mill Farms ROAD 13931 Hallowell Court LOT 4, Sec. 1, Area 2

PROPERTY OWNER Willson Development Corp.

ADDRESS P. O. Box 41
Sandy Spring, Maryland 20160

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - Trench to be 2 feet wide, Inlet 3 feet below original grade. Bottom maximum depth 9 1/2 feet below original grade. Effective area begins at 3 feet below original grade. 6 1/2 feet stone below distribution pipe. LOCATION: Start the trench 145 feet from the front lot line and 100 feet from the left sideline as seen when facing the lot from Hallowell Court. Continue to dig the trench on level ground the necessary distance. Call for two inspections - before and after stone is installed.

PLANS APPROVED BY Frank Skinner DATE 1/25/84

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE YEARS.

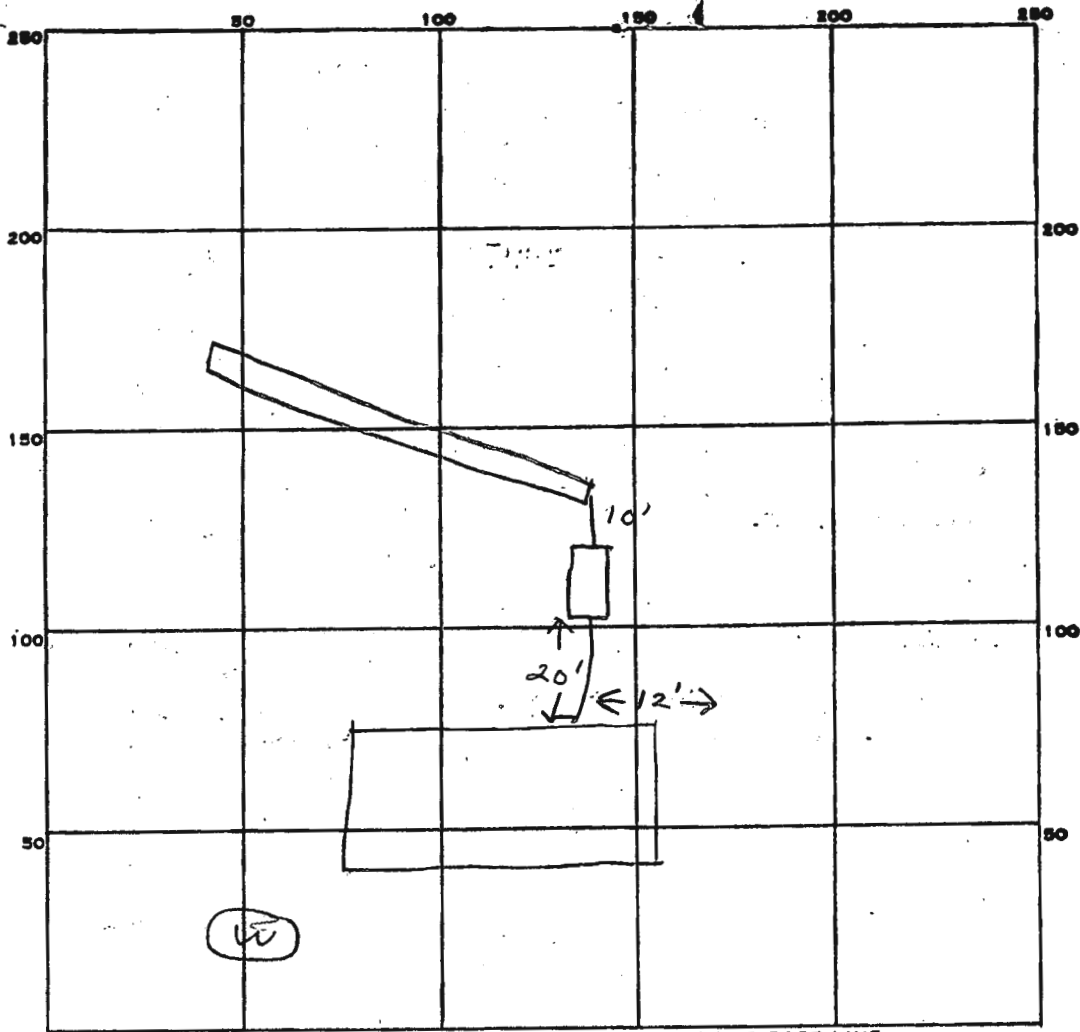
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 29051



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Hallowell CT

PERMIT CARD _____

SEPTIC TANK, LEVEL 1500 gal CLEANOUTS ST

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 9 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 6 IN. TOTAL LENGTH 100 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 600

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 600 SQ. FT.

REMARKS 5/24/84 OK to add stone in trench
5/24/84 OK to cover all work

SUBDIVISION: Triadelphia Mill Farms
Sec. 1, area 2

LOT NUMBER: 4

DRY WELL OR DRY WELL AND TRENCH

125 sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	<u>375</u>
4 bedroom	1250 gallon	<u>500</u>
5 bedroom	1500 gallon	

Inlet 3 feet below original grade.

Bottom maximum depth 9 1/2 feet below original grade.

Effective area begins at 3 feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with 6 1/2 feet of stone below distribution pipe.

3 Bedroom with garbage grinder TRENCHES

193
158 sq. ft./bedroom

Handwritten scribbles and numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9

Trench to be 2 ft. wide.

Inlet 3 feet below original grade.

Bottom maximum depth 9 1/2 feet below original grade.

Effective area begins at 3 feet below original grade.

6 1/2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: Start the trench or place the drywell 145ft
from the front lot line and 100 ft. from the left sideline
as seen when facing the lot from Hollowell Court. Continue to dig
the trench on level ground the necessary distance.

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 29051

P _____

DISTRICT 5th

DATE 10/16/78

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 Triadelphia Mill Farms Partnership *Willson Deve Corp.*
c/o Richard Hallowell P.O. Box 41
ADDRESS Sandy Spring, Md. 20860 Sandy Spring, Md 20160 PHONE 924-2767
286-2988

PROPERTY LOCATION:

SUBDIVISION Triadelphia Mill Farms LOT NO. Lot 4
13931 Hallowell Court
ROAD AND DESCRIPTION North and South side of Triadelphia Mill Road - 1,500 feet East of
Greenbridge Road, Dayton, Md.

SIZE OF LOT 4.5 acres TYPE BLDG. 4 bedrooms
(NUMBER OF BEDROOMS)

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. /s/ Richard Hallowell
(SIGNATURE OF APPLICANT)

APPROVED BY F. Shinn FOR drywell +/- trenches DATE 1/25/84

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

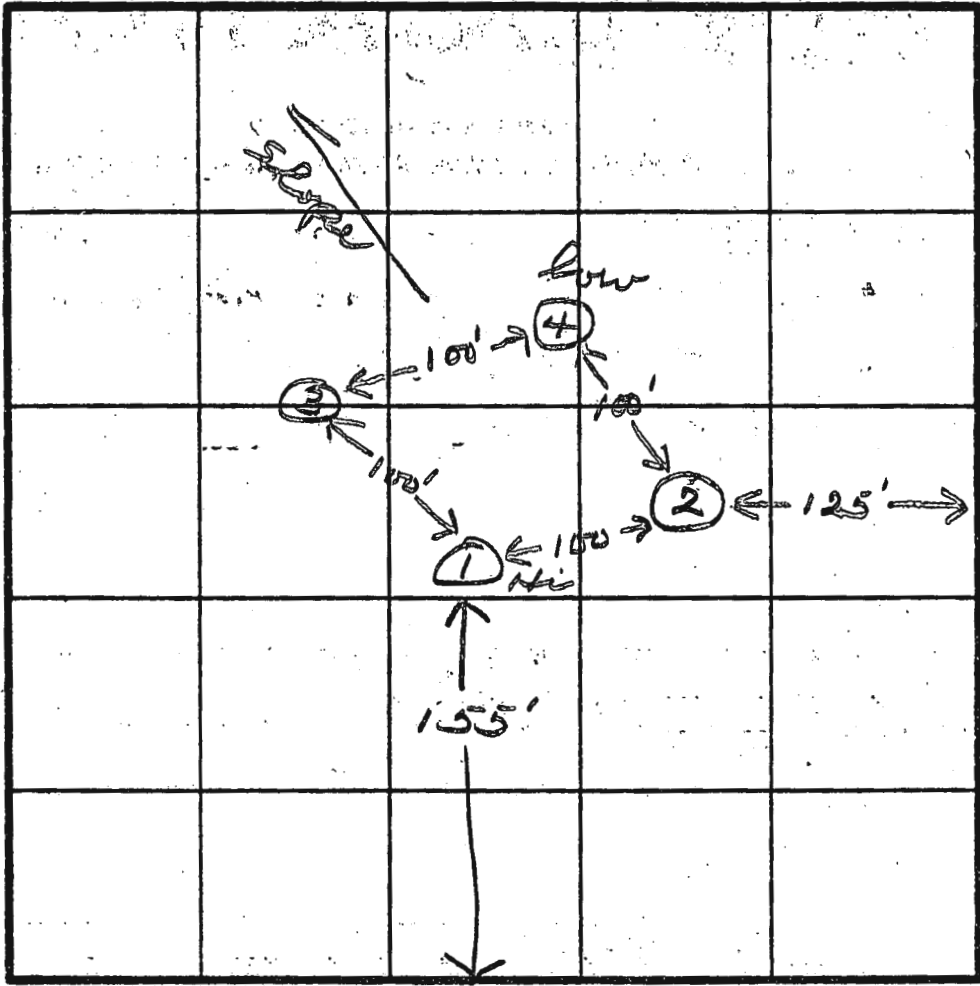
REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 3/2/84
Serial # 58063 SFLD

THIS IS NOT A PERMIT

all

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/17/83	1 S (13')	3	9:40	9:47	9:47	10:08	13
		7	9:40	9:43	9:43	9:45	2
	2 V	13					
	3 S (12')	3	9:50	9:55	9:55	10:05	10
		7	9:51	9:54	9:54	9:58	4
	4 S	3	10:08	10:12	10:12	10:16	4
	4 V	13					

REMARKS Hold for certifier's notes

TYPE OF SOIL _____

TESTED BY AS ALSO PRESENT Fyler

EH-12-1079

APPLICATION

A 29051

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5th

DATE 10/16/78

? Nonbuildable
{ Drainage }
Easement
This piece
area
on final plat

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 Tridelphia Mill Farms Partnership

ADDRESS @ Richard Hallowell
Sandy Spring, Md. 20860 PHONE 286-2988

PROPERTY LOCATION: (?) Plott P 79-26
Nonbuildable at this date

SUBDIVISION Tridelphia Mill Farms LOT NO. 4 - Sheet 1

ROAD AND DESCRIPTION On N & S sides of Tridelphia Mill Rd 1,500' E of
Greenbridge Rd, Dayton

SIZE OF LOT 4.5 acres TYPE BLDG. 4 bedrm, single famly. dwg.
NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT Richard Hallowell

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

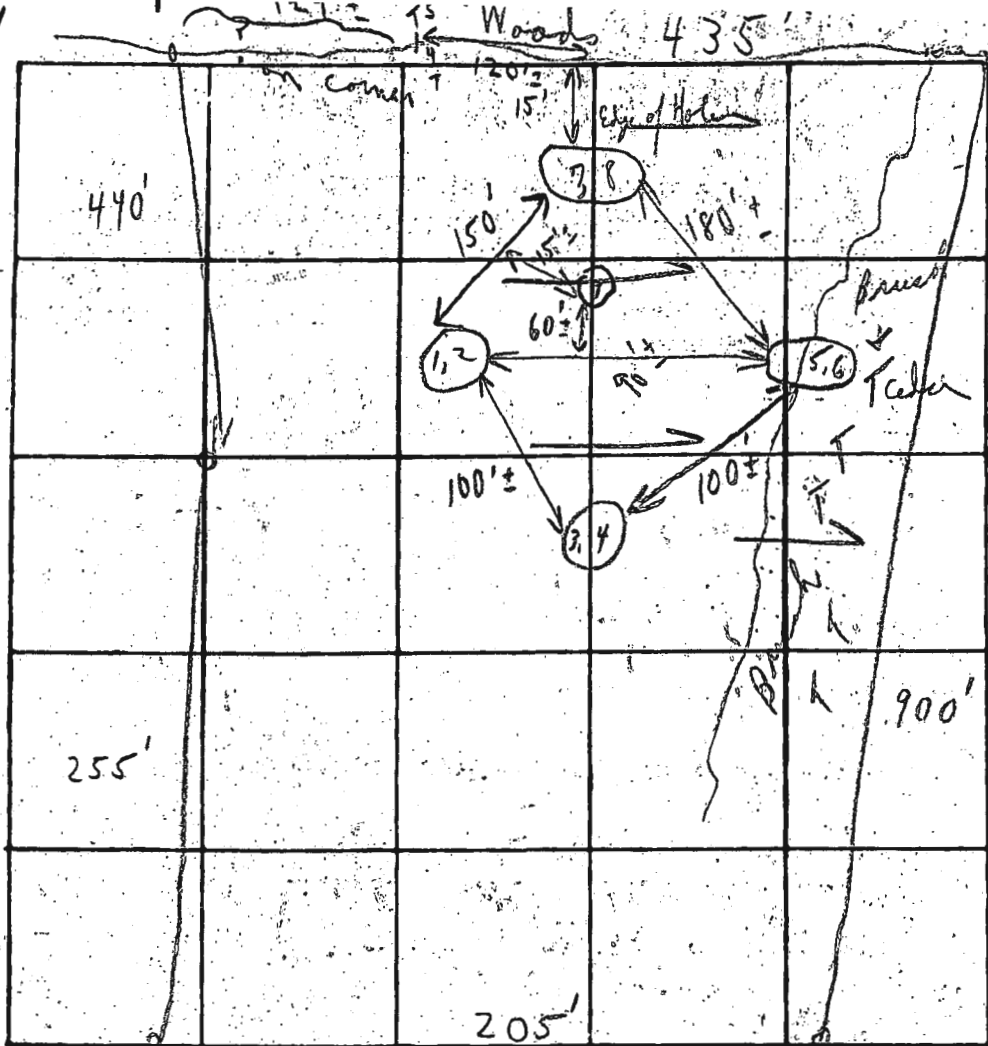
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS F. Skinner DATE 7/20/81

REASONS FOR REJECTION OR HOLDING to be tested with area removed from drawing, etc.

THIS IS NOT A PERMIT

4 sheet 1



Field sheet
not
Teller's
take
+ original plan

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

To unnamed Court →

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/14/78	1	3 1/2'	1:15	1:16	1:16	1:19	3m
Use	2	12 p'	1:15	1:19	1:19	1:26	7m
or	3	4'	1:17	1:18	1:18	1:20	2m
Use	4	12 1/2'	1:17	1:18	1:18	1:22	4m
	5	3 1/2'	1:28	1:29	1:29	1:30	1m
	6	12 p'	1:25	1:27	1:27	1:33	6m
	7	3 1/2'	1:36	1:38	1:38	1:40	2m
	8	12'	1:36	1:38	1:28	1:41	3m
	9	3 1/2' - 11 1/2'	Visual		Moist	28	

soil Profile
Below
clay
↓
loam

120' / B.R.

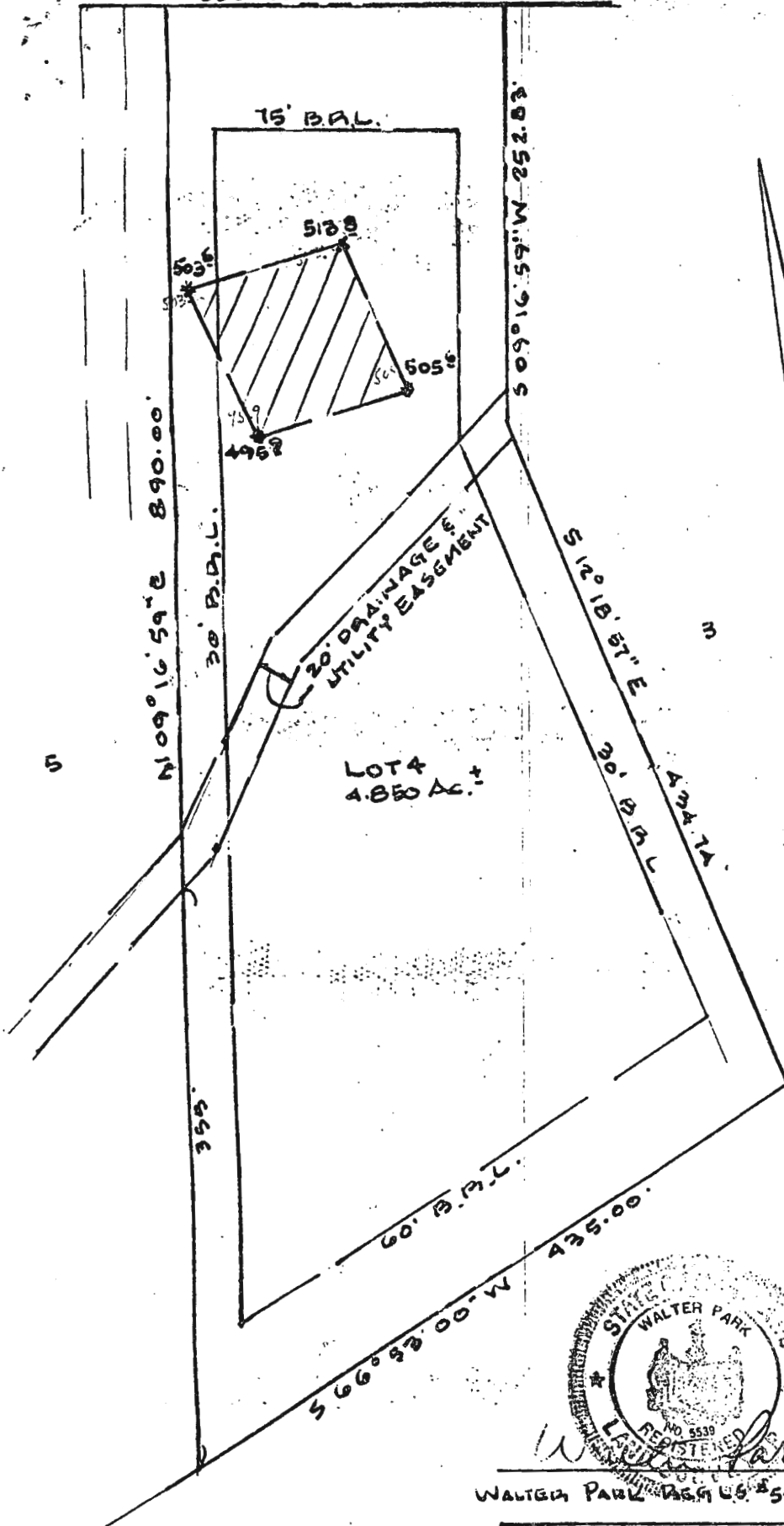
Drilled
3 1/2'

4m

REMARKS Tests in grain drilled Hole for centrifugal holes 10:50 Can't see
TYPE OF SOIL COLD 11:00 Hole dug to bottom
TESTED BY C.R.D. ALSO PRESENT: P. Schaefer + co

HALLOWELL COURT

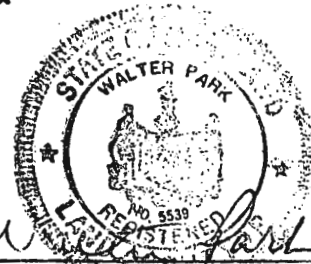
580°45'00"E 207.26



THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH & MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE & SERVICING ANY RESIDENTIAL STRUCTURE ON THIS BUILD SITE, THIS EASEMENT SHALL BECOME NULL & VOID UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM.

THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.

*** DESIGNATES FIELD LOCATED PERC HOLES AND ELEVATIONS.**



WALTER PARK REG. U.S. 5539

PREPARED BY
HUDKINS ASSOCIATES, INC.
 231 JOSEPH SQUARE
 COLUMBIA, MARYLAND 21044
 SCALE: 1"=100' DATE: 1-10-84

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPT.
[Signature]
 COUNTY HEALTH OFFICER DATE

FIELD-LOCATED PERC HOLES
 LOT 4 OF
 LOTS 11 & LOTS 14 & 15
 PHILADELPHIA MILL FARMS
 SECTION 2, STREET DIST.
 HOWARD CO., MARYLAND

Date Received 2/7/84 9:30 AM
01-784
OWNER INFORMATION
Wilson **G.I.**
 Last Name Owner First Name
Box 41
 Street or RFD
Sandy Spring **MD 20860**
 Town State Zip

B 3 **LOCATION OF WELL**
Howard
 COUNTY
Tridelphia Mill Farms
 SUBDIVISION
 SECTION **1** LOT **4**
DAyton
 NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **0** MI

DRILLER INFORMATION
George F. Easterday **40**
 Driller's Name License No. 80
B.F. Easterday, Inc.
 Firm Name
215 Brown Church Rd. Mt. Airy, Md. 21771
 Address
George F. Easterday **1/13/84**
 Signature Date

B 4 **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**
 N W N E W E S W S E
 TOWN
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NEAR WHAT ROAD **Tridelphia Mill**
 DISTANCE FROM ROAD **750** FT
 ENTER FT or MI **FT**

B 2 **WELL INFORMATION**
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

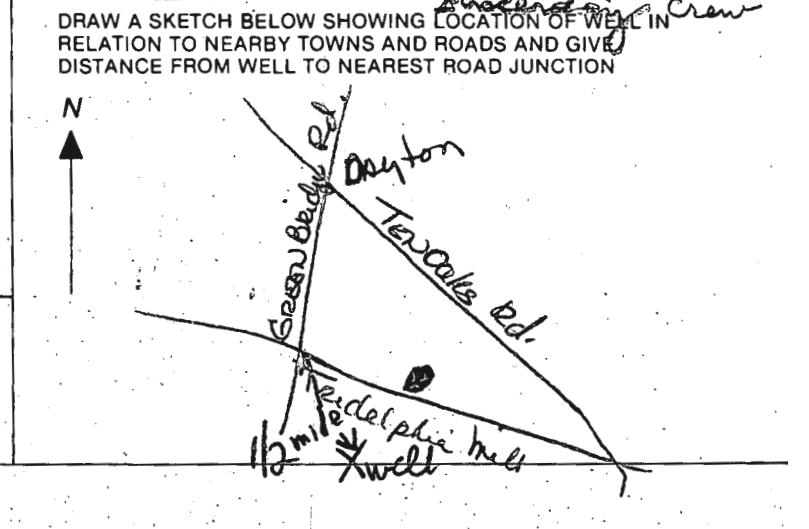
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD **A29051**
 COUNTY NAME COUNTY NO.
 OEP SIGNATURE **Frank Sherrin** STATE HEALTH INSPECTOR
 DATE ISSUED **7/30/84** EXP. DATE
 NORTH GRID **503000** EAST GRID **0799000**

APPROXIMATE DEPTH OF WELL **200** FEET
 APPROXIMATE DIAMETER OF WELL **6** INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **7909**
 N **5003**
 Location of location of 63' casing 45' open 12' pipe cement well
 2/7/84 J Permit tags for lots 3, 4 given to [unclear] crew

METHOD OF DRILLING (circle one)
 BORED (or Augered) **AIR-ROTARY** JETTED Jetted & DRIVEN
 AIR-PERCUSsion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) **41** **52**



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER **G A P**
 FORCE **FS** WRITE INITIALS IN BOX PERMIT NO. **HO-81-0406**
 SPECIAL CONDITIONS

SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 WELL COMPLETION REPORT
 FILL IN THIS FORM COMPLETELY
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER

DATE Received

DATE WELL COMPLETED
 020784

Depth of Well
 540.00 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
 40-81-0406

OWNER Wilson G.L. last name first name
 STREET OR RFD Philadelphia Mill TOWN Dayton
 SUBDIVISION Philadelphia Mill Farms SECTION LOT 4

WELL LOG
 Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
topsoil	0	2	
red mica schist	2	15	
brown mica schist	15	80	
gray mica brown mica schist	70	110	
gray mica brown mica schist	76	120	
gray mica brown mica schist	110	113	
gray mica brown mica schist	113	130	
gray mica brown mica schist	130	135	
gray mica brown mica schist	135	175	
gray mica brown mica schist	175	215	
gray mica brown mica schist	215	250	
gray mica brown mica schist	250	310	
gray mica brown mica schist	310	360	
gray mica brown mica schist	360	400	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 12 NO. OF POUNDS 1200
 GALLONS OF WATER 68
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 45 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST CO STEEL CONCRETE
 PL OT PLASTIC OTHER

MAIN CASING
 Nominal diameter Total depth
 CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)
 S # 6 63

OTHER CASING (if used)
 diameter depth (feet)
 inch from to

SCREEN RECORD
 screen type or open hole insert appropriate code below
 ST BR HO STEEL BRASS OPEN HOLE
 PL OT PLASTIC OTHER

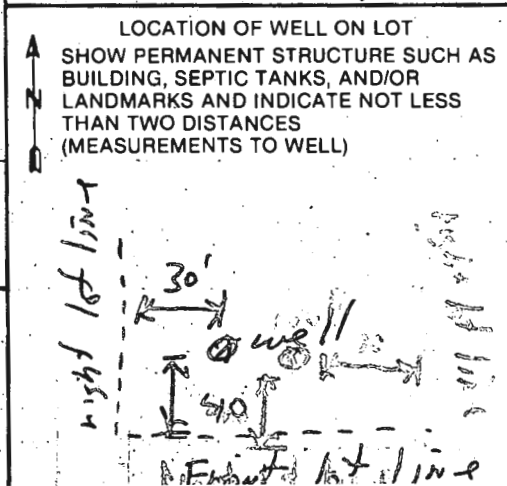
SCREEN
 DEPTH (nearest ft.)
 1 40 61 40
 2 23 26 30 32 36
 3 38 39 41 45 47 51
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN 56 (NEAREST INCH)

GRAVEL PACK
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) WQ
 70 72 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
 HOURS PUMPED (nearest hour) 6
 PUMPING RATE (gal. per min. to nearest gal.) 2
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface) BEFORE PUMPING 30 WHEN PUMPING 189
 TYPE OF PUMP USED (for test)
 A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP (CIRCLE) (YES OR NO) YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: 29
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
 PUMP HORSE POWER 37 41
 PUMP COLUMN LENGTH (nearest ft.) 43 47
 CASING HEIGHT (circle appropriate box and enter casing height) above } LAND SURFACE (nearest foot) below } 2 (nearest foot)



CIRCLE APPROPRIATE LETTER
 A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
 E ELECTRIC LOG OBTAINED
 P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 40
Robert K. Weber
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

Review 2/14/84 on 7.5

FIELD DATA SHEET
COUNTY WELL YIELD TEST

Permit No. No-81-0406 Election District _____
 Location of property (road) Shallow Well Unit
 Division The Delaware Well Farm Lot 4 Block _____ Plat _____ Sec. _____
 Driller Henry Goodenough Owner Bill Wilson
 Depth of well 4100 124 gpm
 Distance of measuring point (M.P.) above ground 24"
 Static water level (S.W.L.) below M.P. 304"

High rate pumping--reservoir drawdown
 Time pump started 8:00 Pumping rate 12.6 g.p.m.
 Total time 8:30 to reach pumping water level 185' ft. below M.P.

Recovery pump test data-observations to be recorded every 15 minutes.

Pump 370'

TIME	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW gallons per minute
30	185'	30 sec		2.6 g.p.m.
45	185' 4"	30 sec		2.6 g.p.m.
00	186'	30 sec		2.6 g.p.m.
15	186' 9"	30 sec		2.6 g.p.m.
30	185' 7"	35 sec		2.7 g.p.m.
45	186' 4"	30 sec		2.6 g.p.m.
00	186' 5"	30 sec		2.6 g.p.m.
15	186' 1"	30 sec		2.6 g.p.m.
30	186' 1"	30 sec		2.6 g.p.m.
45	185' 11"	30 sec		2.6 g.p.m.
00	186' 2"	30 sec		2.6 g.p.m.
15	186' 3"	30 sec		2.6 g.p.m.
30	186' 3"	30 sec		2.6 g.p.m.
45	186' 6"	30 sec		2.6 g.p.m.
00	186' 5"	30 sec		2.6 g.p.m.
15	186' 8"	30 sec		2.6 g.p.m.
30	186' 10"	30 sec		2.6 g.p.m.
45	186' 10"	30 sec		2.6 g.p.m.
00	187'	30 sec		2.6 g.p.m.
15	187'	30 sec		2.6 g.p.m.
30	187' 3"	30 sec		2.6 g.p.m.
45	187' 3"	30 sec		2.6 g.p.m.
00	187' 4"	30 sec		2.6 g.p.m.
15	187' 6"	30 sec		2.6 g.p.m.
30	187' 6"	30 sec		2.6 g.p.m.

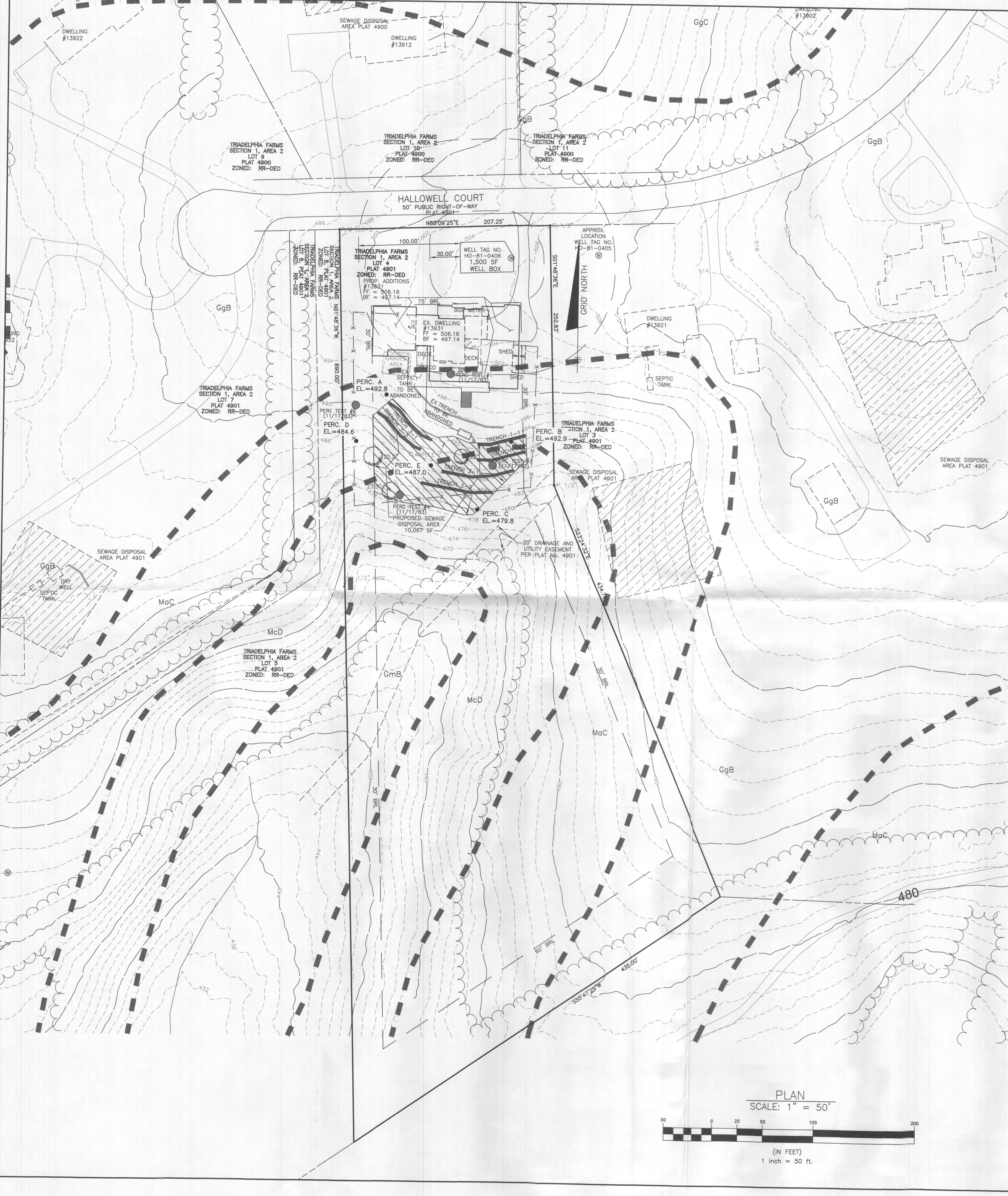
Lot 4 Tridolphia Mill
 Willson Dev. Corp. Box 41 S
 924-2767 - Scale 1/2"
 Distance From Well to Spot
 130'

Well Elev.	434'
F.F.	436'
Base	428'
Inv Elev. House	437.20
Inv Elev. Tank	433.00
Exist Elev.	435.00
Inv. Elev. from Tank	432.75'
Inv. Elev. DW	432.00
Exist Elev.	434'
Elev. at Pipe	436'
Invert at Top	432'
Exist Elev.	434'

Jack Fyock will install system

HALLOWELL C

58° 55' 00" E 207.25'

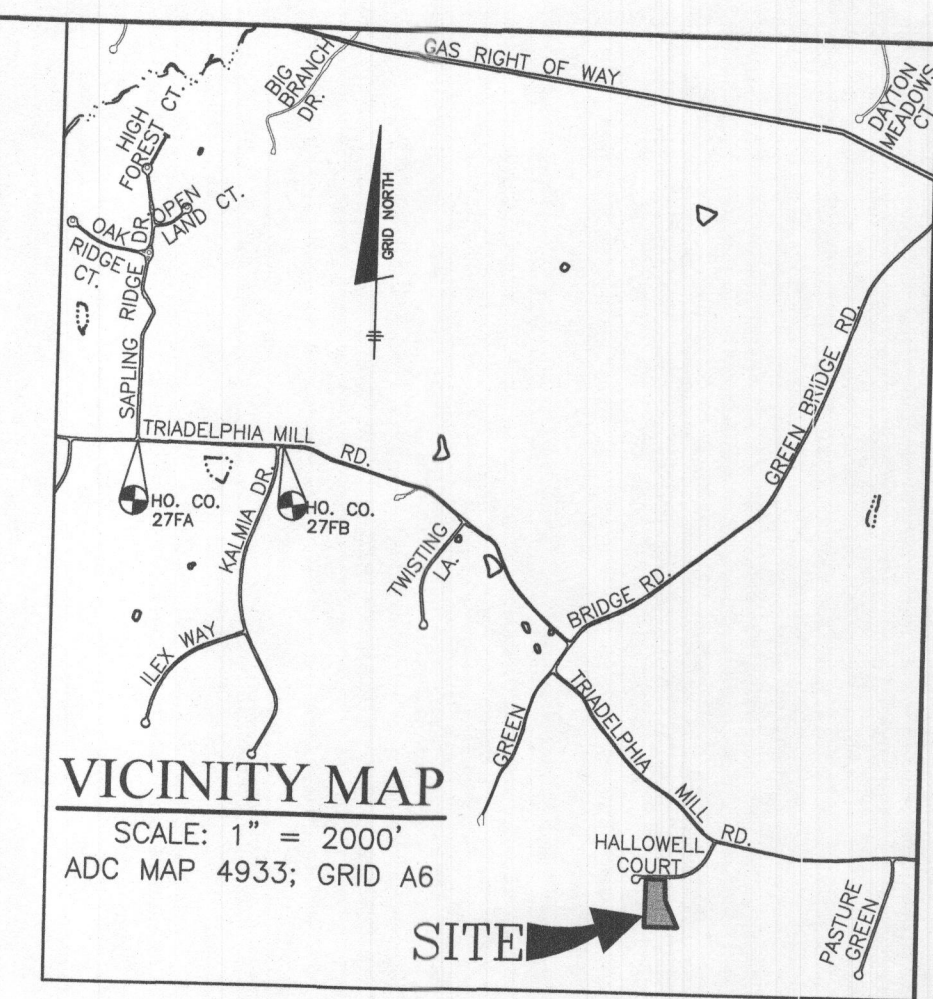


SYMBOL	HYDRIC	HYDROLOGIC GROUP	NAME	Kw FACTOR
GgB		B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.37
GmB*	YES	C/D	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	0.57
MaC		B	MANOR LOAM, 8 TO 15 PERCENT SLOPES	0.32
McD		B	MANOR LOAM, 15 TO 25 PERCENT SLOPES, VERY ROCKY	0.28

** HIGHLY ERODIBLE, K>0.35, AND STEEPER THAN 5% OR 15% OR GREATER SLOPES.
 SOIL SURVEY STAFF, NATURAL RESOURCES CONSERVATION SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WEB SOIL SURVEY. AVAILABLE ONLINE AT THE FOLLOWING LINK: [HTTP://WEBSOILSURVEY.SC.EGOV.USDA.GOV/](http://websoilsurvey.sc.egov.usda.gov/), ACCESSED 08/01/2022.

THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.

LEGEND	
SOILS CLASSIFICATION	MaC
SOILS DELINEATION	—
EXISTING CONTOURS	480 475
PROPOSED CONTOURS	480 475
EXISTING TREE LINE	—
EXISTING STRUCTURE	—
EXISTING FENCE	X
PROPOSED DRIVEWAY	—
EXISTING SEWAGE DISPOSAL AREA	—
PROPOSED SEWAGE DISPOSAL AREA	—
PASSING PERCOLATION TEST (12/22)	●
PASSING PERC. TEST (11/17/83) EX. SEPTIC TRENCH (TO BE REMOVED)	○
EXISTING WELL	⊗
PROPOSED WELL BOX	1,500 SF WELL BOX



INITIAL SYSTEM	
Number of Bedrooms	6
Application Rate	1.2 gpd/sf
Effective Area Beginning Depth	3.5 ft
Bottom Max Depth	8.0 ft
Design Flow	900 gpd
Drainage Field square footage	750 sf
Sidewall Reduction Credit	0.38
Trench width	3 ft
Effective Area Depth	4.5 ft
Trench Spacing	12 ft
Linear Length of trench Required	96 lf

HEALTH DEPARTMENT SPEC SHEET INFORMATION - LOT 19				
System	Application Rate	Effective Depth	Bottom Depth	
Initial	1.2	3.5	8.0	
1st Replacement	0.8	3.5	8.0	
2nd Replacement	1.2	4.5	8.0	

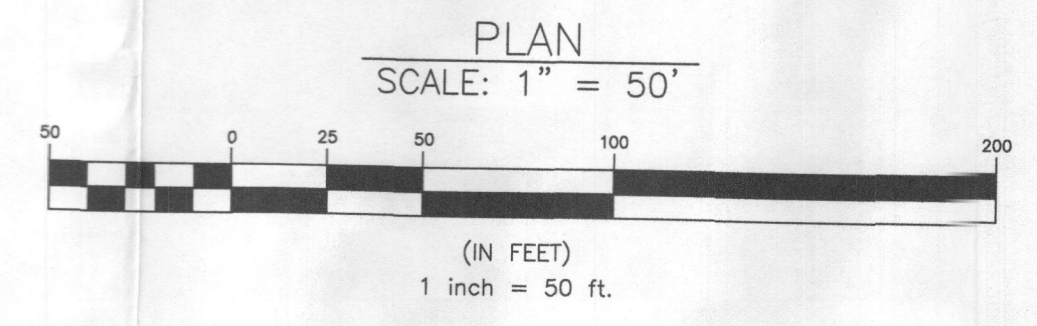
Trench Lengths - Initial System			
2 trenches	3 Trenches	4 trenches	
48.1 ft	32.1 ft	24.1 ft	

1st REPLACEMENT SYSTEM	
Number of Bedrooms	6
Application Rate	0.8 gpd/sf
Effective Area Beginning Depth	3.5 ft
Bottom Max Depth	8.0 ft
Design Flow	900 gpd
Drainage Field square footage	1125 sf
Sidewall Reduction Credit	0.38
Trench width	3 ft
Effective Area Depth	4.5 ft
Trench Spacing	12 ft
Linear Length of trench Required	144 lf

Trench Lengths - 1st Replacement			
2 trenches	3 Trenches	4 trenches	
72.2 ft	48.1 ft	36.1 ft	

2nd REPLACEMENT SYSTEM	
Number of Bedrooms	6
Application Rate	1.2 gpd/sf
Effective Area Beginning Depth	4.5 ft
Bottom Max Depth	8.0 ft
Design Flow	900 gpd
Drainage Field square footage	750 sf
Sidewall Reduction Credit	0.45
Trench width	3 ft
Effective Area Depth	3.5 ft
Trench Spacing	10 ft
Linear Length of trench Required	114 lf

Trench Lengths - 2nd Replacement			
2 trenches	3 Trenches	4 trenches	
56.9 ft	37.9 ft	28.5 ft	



NO.	DATE	REVISION

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.
3300 NORTH RIDGE ROAD & SUITE 140 A ELIJAH CITY, MARYLAND 21043
(P) 410-465-8105 (F) 410-465-8644
WWW.BE-CVLENGINEERING.COM

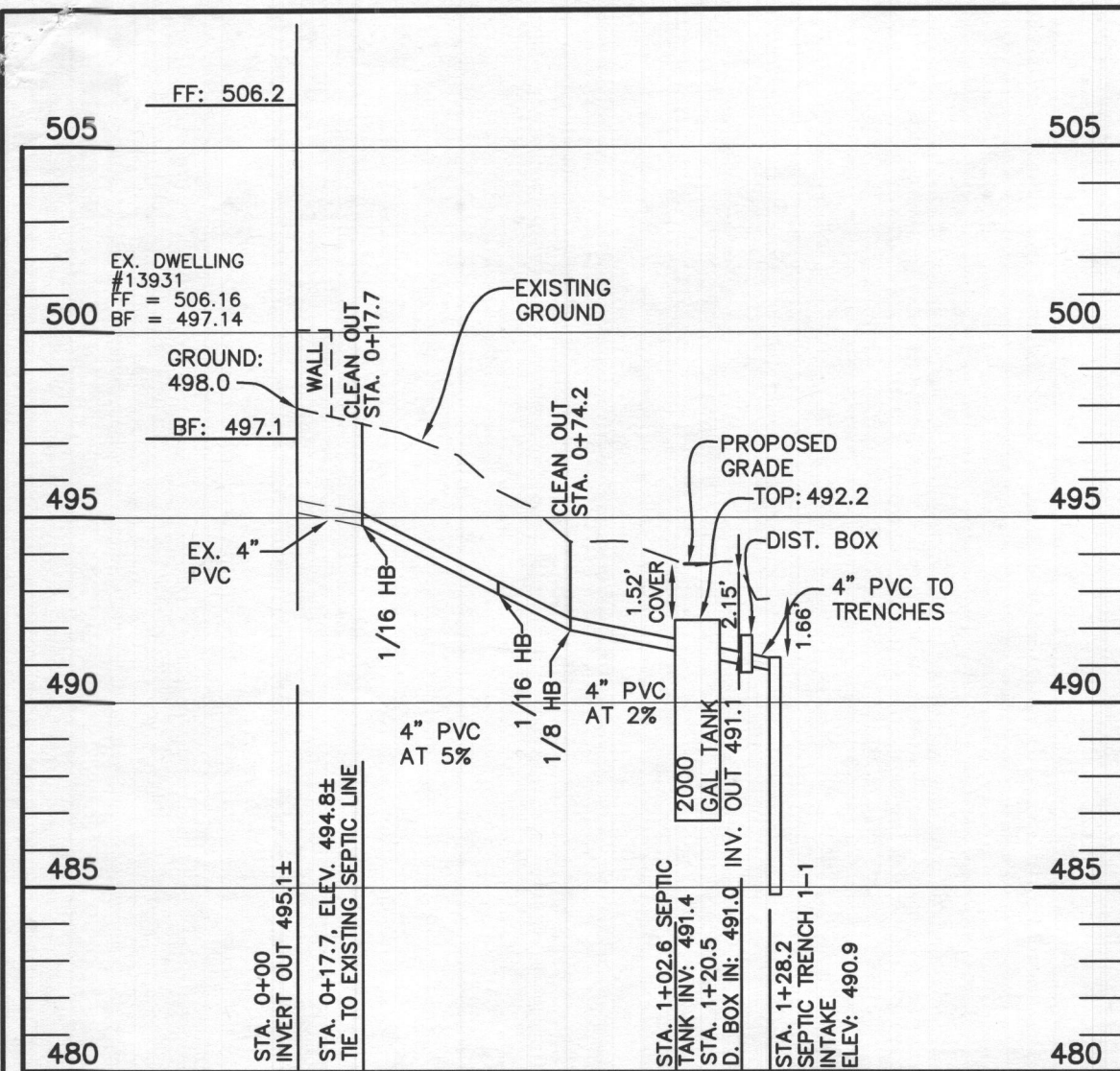
OWNER:
DOUGLAS AND KATHLEEN WEAVER
13931 HALLOWELL COURT
DAYTON, MD 21036
301-725-2634

TRIADELPHIA FARMS
SECTION 1 - AREA 2 - LOT 4
13931 HALLOWELL COURT, DAYTON, MD 21036
TAX I.D. NO. 391555

TAX MAP: 28 GRID: 19 PARCEL: 138 ZONED: RR-DEO
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

CONCEPT ONSITE SEPTIC DISPOSAL SYSTEM PLAN

DATE: JAN., 2023	BEI PROJECT NO: 3130
DESIGN: JC	DRAWN: JC
SCALE: AS SHOWN	SHEET 1 OF 1



LOT 4 SEPTIC
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

SEPTIC INVERT CHART - LOT 4	
INV @ HOUSE	495.1
GROUND @ HOUSE	498.0
INV IN TANK	491.4
INV OUT TANK	491.1
TOP OF TANK	492.2
GROUND OVER TANK	493.7
INV IN DIST BOX	491.0
INV OUT DIST BOX	490.9
GROUND AT DIST BOX	493.5

TRENCH DATA					
INITIAL SYSTEM		FIRST REPLACEMENT		SECOND REPLACEMENT	
TRENCH 1-1		TRENCH 2-1		TRENCH 3-1	
LENGTH	49 ft	LENGTH	72.2 ft	LENGTH	57 ft
GROUND ELEVATION	492.8	GROUND ELEVATION	486.4	GROUND ELEVATION	491.6
INVERT ELEVATION	490.8	INVERT ELEVATION	484.4	INVERT ELEVATION	489.6
MAX BOTTOM ELEVATION	484.8	MAX BOTTOM ELEVATION	478.4	MAX BOTTOM ELEVATION	483.6
TRENCH 1-2		TRENCH 2-2		TRENCH 3-2	
LENGTH	49 ft	LENGTH	72.2 ft	LENGTH	57 ft
GROUND ELEVATION	489.9	GROUND ELEVATION	483.3	GROUND ELEVATION	489.3
INVERT ELEVATION	487.9	INVERT ELEVATION	481.3	INVERT ELEVATION	487.3
MAX BOTTOM ELEVATION	481.9	MAX BOTTOM ELEVATION	475.3	MAX BOTTOM ELEVATION	481.3

TRENCH INFORMATION - LOT 4			
System	Application Rate	Effective Depth	Bottom Depth
Initial	1.2	3.5	8.0
1st Replacement	0.8	3.5	8.0
2nd Replacement	1.2	4.5	8.0

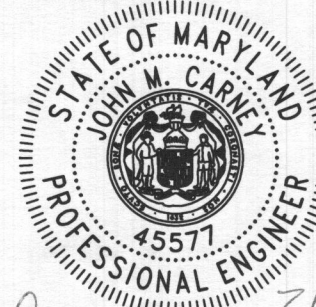
INITIAL SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	3.5	ft
Bottom Max Depth	8.0	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall Reduction Credit	0.38	
Trench width	3	ft
Effective Area Depth	4.5	ft
Trench Spacing	12	ft
Linear Length of trench Required	96	lf

1st REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	3.5	ft
Bottom Max Depth	8.0	ft
Design Flow	900	gpd
Drainage Field square footage	1125	sf
Sidewall Reduction Credit	0.38	
Trench width	3	ft
Effective Area Depth	4.5	ft
Trench Spacing	12	ft
Linear Length of trench Required	144	lf

2nd REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	4.5	ft
Bottom Max Depth	8.0	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall Reduction Credit	0.45	
Trench width	3	ft
Effective Area Depth	3.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	114	lf

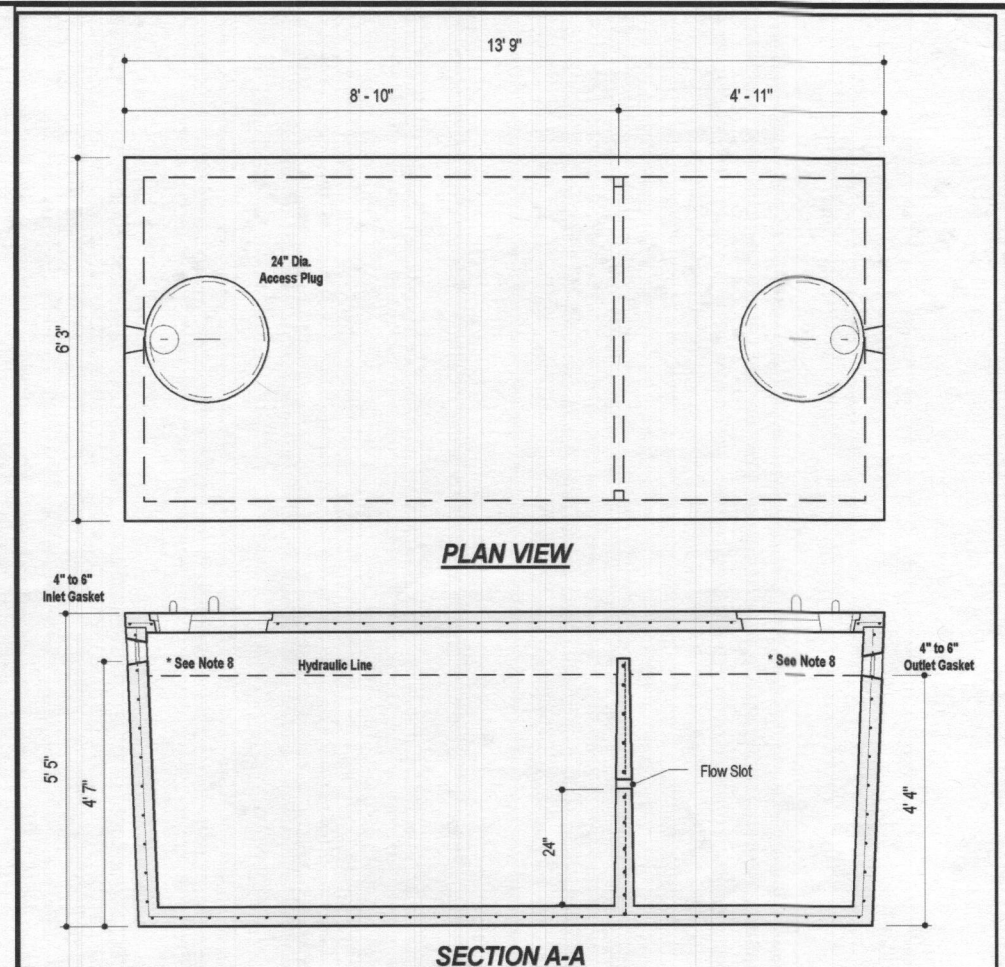
SEE MANUFACTURER SPECIFICATIONS FOR DETAILS. WWW.MAYERPRECAST.COM EQUIVALENT FROM OTHER MANUFACTURERS CAN BE SUBSTITUTED.

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 45577, Expiration Date: 06-08-2024.



THIS PLAN IS FOR SEPTIC DESIGN ONLY

OWNER:
DOUGLAS AND KATHLEEN WEAVER
13931 HALLOWELL COURT
DAYTON, MD 21036
301-725-2634



DESIGN DATA & GENERAL NOTES

- [1] Concrete strength f'c=4,000 p.s.i. @ 28 days. Density = 150 pcf.
- [2] Cement - Portland Type III per ASTM C 150-92.
- [3] Admixtures & plasticizers per ASTM C 260-96 & C 494-92.
- [4] Reinforcing per ASTM A195. Min. 1-1/2" cover.
- [5] Top slab sealed with butyl rope mastic.
- [6] 4" wall, 4" base, & 5" top thickness.
- [7] Max 3" of cover
- [8] Depending on use of tank, Inlet & Outlet baffle may be required by code.

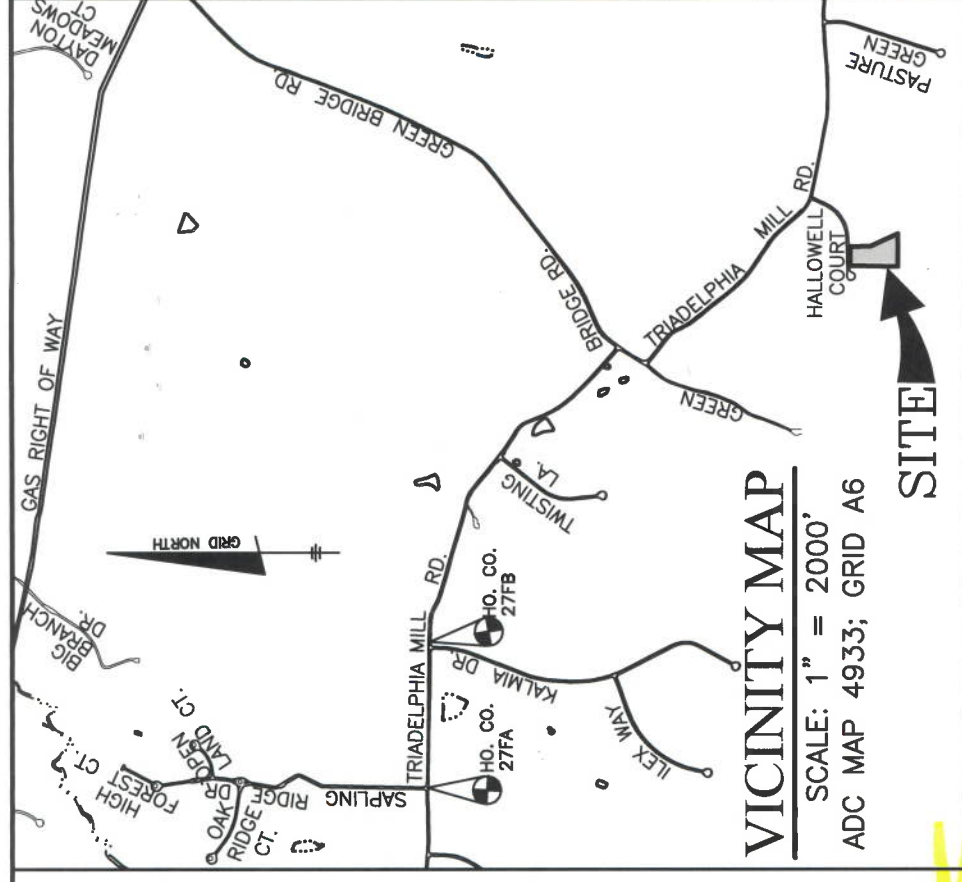
MB
Mayer Bros., Inc.
6264 Race Road
Elkridge, Maryland 21075
Tel. 410.796.1434
Fax. 410.796.1438
www.mayerbrosprecast.com

**2,000 GALLON SEPTIC TANK
2-Compartment**
Stock Item [Approx. 19,900 lbs]
Dwg. No. 2000-2C No Scale Aug 11, 2008

SIGNATURE AND SEAL ARE FOR SEPTIC PROFILE AND CALCULATIONS ONLY, TANK AND DETAILS WERE NOT DESIGNED OR REVIEWED BY THE ENGINEER:

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
3300 NORTH RIDGE ROAD ▲ SUITE 140
ELLCOTT CITY, MARYLAND 21043
(P) 410-465-6105 ▲ (F) 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

PROJECT:	TRIADDELPHIA FARMS SECTION 1 - AREA 2 - LOT 4		
LOCATION:	TAX MAP: 28, GRID: 19, PARCEL: 138 ZONED: RR-DEO 13931 HALLOWELL COURT, DAYTON MD 21036 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #05-399555		
TITLE:	ONSITE SEPTIC DESIGN SYSTEM PLAN		
HOUSE TYPE:	ADDITION TO EXISTING HOUSE		
DATE:	FEB., 2023	PROJECT NO.	3130
SCALE:	AS SHOWN	DRAWING	2 OF 2



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 45577, Expiration Date: 06-08-2024.

Approved Septic System Plan
Howard County Health Department
Signature
Signature

STATE OF MARYLAND
JOHN M. CARNEY
PROFESSIONAL ENGINEER
 45571

OWNER:
 DOUGLAS AND KATHLEEN WEAVER
 13931 HALLOWELL COURT
 DAYTON, MD 21036
 301-725-2634

THIS PLAN IS FOR SEPTIC DESIGN ONLY

PROJECT:	TRIADELPHIA FARMS SECTION 1 - AREA 2 - LOT 4		
LOCATION:	TAX MAP: 28, GRID: 19, PARCEL: 138 ZONED: RR-DEO 13931 HALLOWELL COURT, DAYTON MD 21036 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #05-399555		
TITLE:	ON-SITE SEPTIC DESIGN SYSTEM PLAN		
HOUSE TYPE:	ADDITION TO EXISTING HOUSE		
DATE:	FEB., 2023	PROJECT NO.	3130
SCALE:	AS SHOWN	DRAWING	1 OF 2

LEGEND

SOILS CLASSIFICATION	MaC
SOILS DELINEATION	— 480 — — 478 —
EXISTING CONTOURS	~ ~ ~
EXISTING TREE LINE	— X —
EXISTING STRUCTURE	— X —
EXISTING FENCE	— X —
PROPOSED ADDITION	— X —
EXISTING SEWAGE DISPOSAL AREA	▨
PASSING PERCOLATION TEST (12/22)	●
PASSING PERC TEST (11/17/83)	○
EX. SEPTIC TRENCH (TO BE REMOVED)	— X —
EXISTING WELL	⊙
PROPOSED WELL BOX	⊙

1,500 SF WELL BOX

Health Dept. Copy

ON-SITE SEWAGE DISPOSAL PLAN NOTES:

- THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR TRIADELPHIA FARMS, RECORD PLAT 4900, UNDER F-81-046 PREPARED BY HUDKINS AND ASSOCIATES, INC. DATED OCTOBER 11, 1980. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND CONDITIONS. SEDIMENT AND EROSION CONTROLS SHOULD BE THE STANDARD PLAN.
- THE EXISTING TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY GIS AND SUPPLEMENTED WITH FIELD-RUN TOPOGRAPHY PERFORMED BY BENCHMARK ENGINEERING, INC., ON OR ABOUT SEPTEMBER 2022. CONTOURS ARE AT TWO-FOOT INTERVALS.
- ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- ALL DRAINAGE FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
- THE EXISTING WELL SHOWN ON THIS PLAN, HO-81-0406, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AND IS ACCURATELY SHOWN.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
- ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THIS LOT CONTAINS NO STORMWATER MANAGEMENT.
- THE NEW SEPTIC TANK WILL HAVE A NON-TRAFFIC BEARING 2000 GALLON 2 COMPARTMENT TANK.

BENCHMARK
 ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
 3300 NORTH RIDGE ROAD SUITE 140
 ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 (F) 410-465-6644
 WWW.BEI-CIVLENGINEERING.COM

