

permit folks and you guys requiring OSDS approval and implementation before building permit is issued we are in a world of hurt at the moment.

On that note if there is a way around this, i.e having the OSDS plan approval as the prerequisite to building permit approval only and then schedule install of the OSDS system alongside issuing of building permit that would make it possible to beat the deadline.

Thank you very much for reading; please advise

-Charan Singh

On Wed, Sep 8, 2021 at 2:56 PM Charanpreet Singh <charan.s.khalsa@gmail.com> wrote:

Good Afternoon,

Erik has completed all the changes and I am on my way to drop of the plans.

Regards,

Charan Singh

On Tue, Sep 7, 2021, 2:17 PM Charanpreet Singh <charan.s.khalsa@gmail.com> wrote:

Thanks for the email Jeff,

I will touch base with Erik Marks (perc cert) and relay all your comments on SWM to CMS Associates (ECP, Plot Plan, & OSDS).

-Charan Singh

On Tue, Sep 7, 2021, 1:27 PM Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Hello Mr. Singh. I reviewed the latest PC with Spencer and I concur with his comments with one minor detail that speaks to your point below. Spencer wanted better detail on the stormwater devices because they way the engineer colored them and labeled them it was a bit confusing. He is using a green line for proposed grading and label lines and stormwater pipes. To your point below, he should just not show the stormwater at all and show it on the OSDS plan. He should also avoid showing the trench layout on this plan and save it for the OSDS plan. This plan is specifically to approve the disposal area changes and the replacement well area. His trench layout is not what we will look to see on the OSDS plan. The initial system trenches should be spread out on the upper contour instead of stacked on each other. That said, the ECP you sent me shows the raingarden outfall and solid pipe outfall over 25' from the SDA, but it is a poor design. There should be an effort to avoid discharging the collected front yard water directly toward the disposal area, particularly the initial system as it will be designed. The way this is designed, the soil will be unnecessarily loaded with stormwater infiltration in the area where we're trying to disperse the sewage effluent. It could cause overloading of the trenches and premature failure of the system

Additionally, the contour lines are not consistent between this plan and the ECP, particularly 462 and 464 as they relate to the upper SDA boundary. Not sure which one is accurate.

As Spencer noted, the replacement well locations should be removed and a well arc put around the whole well box. The total new disposal area square footage should be indicated. Note 11 should be removed. If the only thing were the note and maybe some labeling, we would have redlined it, but we need to clean up the other items as well. Thanks

Jeff

From: Charanpreet Singh <charan.s.khalsa@gmail.com>
Sent: Friday, September 3, 2021 10:49 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: Re: 14695 Triadelphia Mill Road ECP that covers SWM Calculations

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

PS:

Not sure if this is super relevant:

There is also a declaration of covenant between us and the county on the storm water management system that has been signed and notarized. Below are images of the pertinent sections:

Section 1 iterates that the actual as-built drawing will be submitted later on; anything made for the ECP or the Perc plan is a concept and final design will be made during grading permit / building permit (i.e the plot plan) application (because that requires the inclusion of a landscape architect etc.).

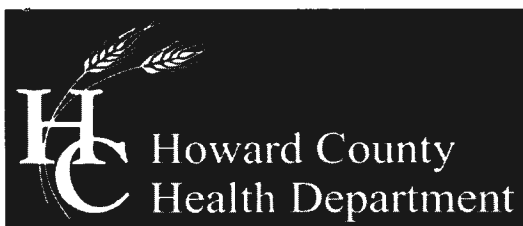
On Fri, Sep 3, 2021 at 10:36 AM Charanpreet Singh <charan.s.khalsa@gmail.com> wrote:

Jeff,

Thanks again for speaking with me this morning. Attached are two documents: 1) is High Resolution ECP, 2) is scanned copy from DPZ with their approval stamp

Regards,

-Charan Singh



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

MEMORANDUM

TO: Marks & Associates, LLC
4531 College Avenue
Ellicott City, MD 21043

FROM: Robert Freemon *RIF*
Well & Septic Program

RE: 14695 Triadelphia Mill Rd.
Dayton, MD 21036
"Percolation Certification Comments"

DATE: 7/22/2021

After review of the Percolation Certification Plan (PC/Perc Cert) here are my comments.

1. Show all stormwater management (SWM) devices being proposed. Make sure all setbacks to the wells and sewage disposal area (SDA) are being met. If there is an issue with space between the SWM drywells and alternate well sites you may condense the alternate well sites to a 1,500sqft well box. Make sure the symbol used to show this well box is represented and labeled in the legend. A 100ft arch around the well box will still need to be shown. Alternate wells are treated the same as existing wells.
2. Remove all the proposed on-site sewage disposal system (OSDS) information from the PC plan. The PC should only show the details surrounding the SDA. The OSDS plan will show the details surrounding the septic system to be installed.
3. All proposed additions must be shown and labeled on the plan. Proposed livable space additions can be covered with a single symbol in the legend. If non livable space additions are being proposed (pools, decks, garages...etc), they must be shown individually and labeled.
4. Label the existing house as "Existing SFD, To Remain" or have a symbol in the legend outlining the existing house to remain.
5. Revise the purpose statement to say, "The purpose of this Percolation Certification Plan is to modify the existing SDA to accommodate future additions to the existing house."

6. Add a note stating, "The existing septic system must be properly abandoned with documentation sent to the Health Dept. prior to building permit approval."
7. Add a note stating, "An OSDS plan must be created and installed with Health Dept. approval prior to building permit approval."
8. Add a note stating, "An advanced pre-treatment system, which utilizes best available technology to perform nitrogen reduction, must be installed on the on-site sewage disposal system. An on-site sewage disposal system plan with all the necessary details for installation must be approved by the Health Dept. prior to the release of the septic permit. In addition, an operation and maintenance contract agreement must be filed with Howard County Land Records and a receipt of the recordation must be submitted to the Health Dept."
9. Add to the labels identifying the existing septic system, "To Be Abandoned" or "TBA".
10. Add elevations to the perc hole locations.
11. Revise the legend description for the proposed SDA to say, "Revised Sewage Disposal Area 10,450sqft."
12. The "Added SDA* 3,362sqft" in the legend must be shown on the site plan portion of the PC.
13. Add the symbol used to identify the existing SDA, to the legend. Make sure to include the sqft in its label.
14. Add to Note 6 who field verified the topography.
15. Remove Note 4.
16. Revise Note 9 to say, "The existing SDA has been modified to remove 228sqft and adding 3,362 sqft for a total of 10,450."
17. Add a note identifying the west adjacent property as Forest Conservation (no wells or septic systems).

Williams, Jeffrey

From: Charanpreet Singh <charan.s.khalsa@gmail.com>
Sent: Thursday, September 2, 2021 10:41 AM
To: Williams, Jeffrey
Cc: Freemon, Robert; ERIK MARKS
Subject: Re: Follow up to Phone call 14695 Triadelphia Mill Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Jeff,

Makes complete sense. Thanks for the reply.

-Charan

On Thu, Sep 2, 2021, 9:48 AM Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Hello Mr. Singh. You will need a septic contractor to pull a septic permit to install the new system once the OSDS plan has been approved. Please note that the proposed addition is located on top of the existing septic tank and trench, so we will need to see the old system properly abandoned prior to building permit approval. Please also note that we will need to review all details of how you plan to design the new system to both serve the old house and the new house if that is your proposal. This will include details of the sewer house connection leaving the old house that will then be covered by the new foundation.

Jeff Williams

Deputy Director

Bureau of Environmental Health

Howard County Health Dept.

410-313-4261

jewilliams@howardcountymd.gov

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This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

From: Charanpreet Singh <charan.s.khalsa@gmail.com>
Sent: Wednesday, September 1, 2021 4:31 PM
To: Freemon, Robert <rfreemon@howardcountymd.gov>
Cc: Bricker, Robert <RBricker@howardcountymd.gov>; Williams, Jeffrey <jewilliams@howardcountymd.gov>; ERIK MARKS <marks.aa@comcast.net>
Subject: Re: Follow up to Phone call 14695 Triadelphia Mill Road

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Robert,

Thanks for the update. Appreciate the clarity greatly. We plan on living here during construction. I will forward the comment to the architect. Do we need a separate permit to build the new OSDS or can we get to work as soon as the OSDS plan is approved?

On Wed, Sep 1, 2021, 4:08 PM Freemon, Robert <rfreemon@howardcountymd.gov> wrote:

Hi Charan,

My apologies for the unexpected delay and for my misinterpretation of MDE's regulation regarding the BAT unit. You are **not** required to install a BAT unit according to Sec. 26.04.02 (K). I have gone over this with my supervisor Jeff Williams (CC'd) and attached the regulation in this email. We have received the Percolation Certification Plan you submitted and I will review it tomorrow. If everything looks ok I will ask Erick if he is ok with me redlining out the notes regarding the BAT unit. If other edits are needed I will send out comments.

Prior to the building permit being approved Health will need an approved OSDS plan and the existing septic system will need to be abandoned. It may be a possible to have the approved OSDS installed at the same time the building permit is approved. The installed OSDS would need final approval prior to Use and Occupancy. If you plan on living in the existing portion of the house while construction is going on you will be required to install the system first and have an alternative sewer house connection to it in the meantime. You would need to figure out how and when the new system would be connected to the proposed house with your architect. If you have any further questions let me know.

*Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045*

Bureau of Environmental Health

Well and Septic Program

Robert "Spencer" Freemon

Phone: 410-313-6357

Email: rfeemon@howardcountymd.gov

Website: <https://www.howardcountymd.gov/health/well-septic-program>

From: Charanpreet Singh <charan.s.khalsa@gmail.com>
Sent: Tuesday, August 31, 2021 4:24 PM
To: Bricker, Robert <RBricker@howardcountymd.gov>
Cc: Freemon, Robert <rfeemon@howardcountymd.gov>
Subject: Re: Follow up to Phone call 14695 Triadelphia Mill Road

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Understood,

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On Tue, Aug 31, 2021, 4:10 PM Bricker, Robert <RBricker@howardcountymd.gov> wrote:

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Robert Bricker, REHS/RS, L.E.H.S.

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Hello,

Juanita may have given all the copies to Robert Bricker; I am not sure if Spencer is back. I am hoping the plan finds itself in the right place. Please advise.

I have also attached the last set of comments from Spencer to this email which is what was addressed in the latest plan

Hope to hear from you soon,

-Charan

On Mon, Aug 30, 2021 at 3:16 PM Charanpreet Singh <charan.s.khalsa@gmail.com> wrote:

Just dropped off the copies to the front desk; Juanita I believe.

Regards,

-Charan

On Mon, Aug 30, 2021, 2:33 PM Charanpreet Singh <charan.s.khalsa@gmail.com> wrote:

Will do

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From: Charanpreet Singh <charan.s.khalsa@gmail.com>

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Robert & Spencer,

Just got the updated perc plan from my engineer. I am running to kinkos to print it and drop it off right now. I have attached it here as well.

-Charan

On Mon, Aug 30, 2021 at 9:51 AM Bricker, Robert <RBricker@howardcountymd.gov> wrote:

Thank you for the follow-up. I am copying Spencer on this so he will be up-to-date on your project when he returns to work.

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Hello Robert,

I want to first thank you for your thoroughness and expedience in answering questions and escalating.

That being said my engineer does not share the same attributes. After my last talk with him he was supposedly supposed to finish everything by Friday morning so I could submit it to you guys but apparently he is going to work on it today. So he told me to say that I won't be able to bring it by at least until tomorrow morning.

I apologize for this and thank you for your patience in dealing with this project.

-Charan

On Thu, Aug 26, 2021, 3:49 PM Charanpreet Singh <charan.s.khalsa@gmail.com> wrote:

Makes sense thanks

On Thu, Aug 26, 2021 at 3:43 PM Bricker, Robert <RBricker@howardcountymd.gov> wrote:

The issue of the sewer house connection:

The SHC will be at some depth as it passes through the plane where the foundation wall will be constructed. If it is below the elevation of the footer, hopefully it will be deep enough that settling of the foundation will not pinch the pipe.

If the elevation of the SHC is above the footer, there will be need to coordinate cutting the SHC, installing the foundation, then re-connecting the SHC through the foundation wall. If the septic system is in use there will be need to have a chemical toilet on site for family usage for a few days. A permit for OSDS Minor Repair will have to be pulled at the Health Department and an inspection scheduled when the SHC is re-connected and routed through the foundation wall.

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Robert,

Thanks for the reply.

"I don't understand why an engineer would state that they are not qualified to create a plan for a BAT system. Installers have to be certified, but not engineers. It's a matter of a label, a detail of the BAT (available from the manufacturer and maybe the distributor) and a few notes." Understood.

"I have spoken with our Supervisor. The BAT issue will not affect the review and approval of the percolation certification plan. We will resolve the issue of whether a BAT is needed next week. I expressed your request for expedited review. If the Perc Cert isn't going to be complete and submitted until tomorrow afternoon or Monday, Spencer may be back in time to review it." Thanks for looking into this and look forward to hearing about the BAT decision. I will print the drawing and come down with the most recent revision as soon as humanly possible after Erik completes the work.

The replacement septic system will have to be installed prior to our release of building permit because the area proposed for the addition (and/or setback to addition) overlays the locations of the existing septic tank, the existing dry well, and the existing trench off of the dry well. This makes 100% sense and I was expecting

this. The only question I have is we will connect the current house as it stands to the new septic system but what if we need to modify the connection between the house and septic system during construction and after construction is complete? Do our plumbers and septic system installation folk have free liberty to alter the connection? We have no plan at the moment as it is too far ahead.

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From: Charanpreet Singh <charan.s.khalsa@gmail.com>
Sent: Thursday, August 26, 2021 12:49 PM
To: Bricker, Robert <RBricker@howardcountymd.gov>
Subject: Re: Follow up to Phone call 14695 Triadelphia Mill Road

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Hey Rob,

I just recently left you a message. I forgot to add that part of the main issue why Erik C Marks (my engineer / surveyor / perc cert maker) says he cannot do the OSDS is because Spencer had mentioned a BAT system was required. Erik said he was not qualified for that so he cannot do the OSDS. I am having a real hard time finding any civil engineer willing to take the job of designing the septic system for two reasons: 1) because they did not do the perc cert and 2) a lot of these companies want to charge another \$2500-\$3000 to do this but over a 5-6 week waiting period...where is Erik who already did most of the work and if it was not a BAT system he could knock out the OSDS easily quickly as a quick hourly rate. This is a pickle I am in.

Please also add this to your conversation with your supervisor

-Charan

On Thu, Aug 26, 2021 at 11:47 AM Charanpreet Singh <charan.s.khalsa@gmail.com> wrote:

Robert,

Thank you for calling. As discussed attached are the following:

- ECP showing stormwater management (this ECP is just about to be approved via Heather Akers 410-313-4375)
- Spencer's comments on last Perc Cert sent 7/22/2021
- The last iteration of the Perc Cert Spencer commented on 7/22
- The Perc Results (4 Images)

The Engineer preparing the Cert is Erik Marks. He has time to work on this tomorrow. After that I do not know when he can work on this again as it is hard to schedule with him.

Hope to hear from you soon

443-844-9088

Freemon, Robert

From: Freemon, Robert
Sent: Wednesday, September 1, 2021 4:09 PM
To: Charanpreet Singh
Cc: Bricker, Robert; Williams, Jeffrey; ERIK MARKS
Subject: RE: Follow up to Phone call 14695 Triadelphia Mill Road
Attachments: Sec. 26.04.02 (K).pdf

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I don't understand why an engineer would state that they are not qualified to create a plan for a BAT system. Installers have to be certified, but not engineers. It's a matter of a label, a detail of the BAT (available from the manufacturer and maybe the distributor) and a few notes.

I have spoken with our Supervisor. The BAT issue will not affect the review and approval of the percolation certification plan. We will resolve the issue of whether a BAT is needed next week. I expressed your request for expedited review. If the Perc Cert isn't going to be complete and submitted until tomorrow afternoon or Monday, Spencer may be back in time to review it.

The replacement septic system will have to be installed prior to our release of building permit because the area proposed for the addition (and/or setback to addition) overlays the locations of the existing septic tank, the existing dry well, and the existing trench off of the dry well.

Robert Bricker, REHS/RS, L.E.H.S.

From: Charanpreet Singh <charan.s.khalsa@gmail.com>
Sent: Thursday, August 26, 2021 12:49 PM
To: Bricker, Robert <RBricker@howardcountymd.gov>
Subject: Re: Follow up to Phone call 14695 Triadelphia Mill Road

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hey Rob,

I just recently left you a message. I forgot to add that part of the main issue why Erik C Marks (my engineer / surveyor / perc cert maker) says he cannot do the OSDS is because Spencer had mentioned a BAT system was required. Erik said he was not qualified for that so he cannot do the OSDS. I am having a real hard time finding any civil engineer willing to take the job of designing the septic system for two reasons: 1) because they did not do the perc cert and 2) a lot of these companies want to charge another \$2500-\$3000 to do this but over a 5-6 week waiting period...where is Erik who already did most of the work and if it was not a BAT system he could knock out the OSDS easily quickly as a quick hourly rate. This is a pickle I am in.

Please also add this to your conversation with your supervisor

-Charan

On Thu, Aug 26, 2021 at 11:47 AM Charanpreet Singh <charan.s.khalsa@gmail.com> wrote:

Robert,

Thank you for calling. As discussed attached are the following:

- ECP showing stormwater management (this ECP is just about to be approved via Heather Akers 410-313-4375)
- Spencer's comments on last Perc Cert sent 7/22/2021
- The last iteration of the Perc Cert Spencer commented on 7/22
- The Perc Results (4 Images)

The Engineer preparing the Cert is Erik Marks. He has time to work on this tomorrow. After that I do not know when he can work on this again as it is hard to schedule with him.

Hope to hear from you soon

443-844-9088

11/14/80
as soon as possible

05-385431

APPROVED
10/14/80 RH
P 30949

PERMIT

SEWAGE DISPOSAL SYSTEM

A 26030

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

INDEXED

DISTRICT 5th.

DATE 9/22/80

Jack Fyock, Jr. IS PERMITTED TO INSTALL X ALTER

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

SUBDIVISION Mildred Brown ROAD 14695 Triadelphia Mill LOT 2

PROPERTY OWNER Thomas O. Brown

ADDRESS _____

SPECIFICATIONS 3 Bedrooms

SEPTIC TANK CAPACITY 1000 GALLONS DRY WELL AND TRENCH

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

Dry Well SEEPAGE PITS x ABSORBENT SIDE-WALL AREA 140 SQ. FT. per bedroom

INLET PIPE 4 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 10 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN FACING LOT FROM

Location of dry well - Place the dry well 317.0' from right (169.37 lot line) and 135 feet from rear (1101.46 ft. long) side line as seen when facing the property from Triadelphia Mill Road. Start the trench after a 5 foot earth buffer with the dry well, and proceed to dig it on level ground, the required distance. NOTE: Call for inspection of trench before gravel is installed. and after.

PLANS APPROVED BY Frank Skinner DATE 11/9/77

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 PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

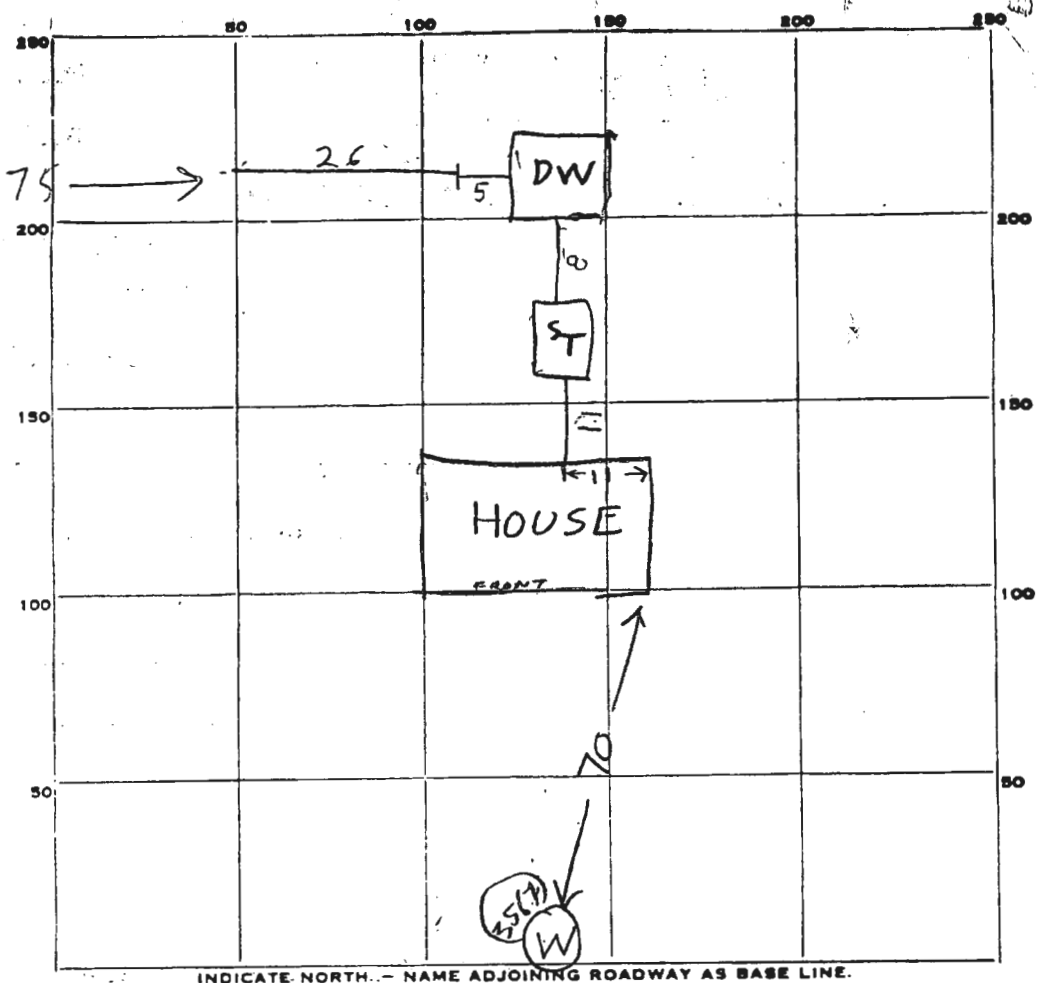
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

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

A 26630

1102 FT LINE



31
5

PERMIT CARD _____

ST	DW
----	----

SEPTIC TANK, LEVEL OK 1000

CLEANOUTS OK | OK

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 10-10 1/2 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 6 FT IN. TOTAL LENGTH 26 FT.

NUMBER OF TRENCHES 1 TOTAL ^{ONE SIDE} ~~SECTION~~ AREA 156

SEEPAGE PITS, INSIDE ^{PERIMETER} DIAMETER 46 FT. DEPTH BELOW INLET 6.5 FT.

ABSORBENT AREA 299 SQ. FT.

REMARKS 10/14/80 DW INLET 4 FT BELOW GRADE

DITCH INLET 4 FT BELOW GRADE

LOCATION OK PER PLANS

299 + 156 = 455 SQ FT, 420 SQ FT NEEDED

STONE ADDED AT TIME OF INSPECTION

DATE SYSTEM APPROVED 10/14/80

INSPECTOR Raymond Hodge

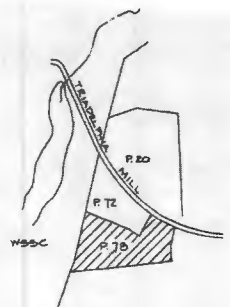
WASHINGTON SUBURBAN
SANITARY COMMISSION
NO OBEY REFERENCE

FRANCIS M. BROWN
450-200

TRIADELPHIA MILL RD
21.91
510'13.00W
30.16

LOT 1
7.324 Acs

KIMBETHILL INC.
675-395



TAX MAP 27

LOCATION MAP
SCALE: 1"=600'

NO.	NORTH	EAST
1	5000.00	2000.00
2	4754.75	2444.87
3	4654.65	2580.96
4	4868.43	2725.64
5	4787.13	2772.03
6	4644.47	2915.84
7	4635.81	2936.51
8	4424.15	2895.44
9	4315.92	2895.80
10	4363.15	1769.23
11	4471.87	1630.93

CURVE	CURVE DATA				
	R	L	Δ	T	LCB
A	234.00	25.97	4°56'30"	12.60	562°20'41" 28.3
B	234.00	179.88	36°05'21"	32.85	542°20'41" 117
C	545.00	93.75	5°15'25"	46.99	550°44'41" 03
D	575.00	110.48	11°00'33"	55.41	550°44'17" 110
E	254.00	184.31	40°00'00"	96.00	544°47'00" 182

NOTES:
1. THIS AREA DEMONSTRATES A PRIVATE SEWERAGE SYSTEM OF APPROXIMATELY 10,000 GALS PER DAY AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND SOCIAL HYGIENE FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE AND SEWERAGE AND RESIDENTIAL STRUCTURES CONSTRUCTED ON THIS PUBLISHED SITE. THIS SEWERAGE SHALL BECOME FULL AND TRUE UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM.

TABULATION	
AREA LOT 1	7.324 Acs
AREA LOT 2	3.872 Acs
DEDICATION ROAD	0.228 Acs
TOTAL	11.424 Acs

NOTES:
EXISTING STRUCTURES ON LOT 1

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Howard County Health Officer DATE: 5-11-78

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Director DATE: 5-8-78

APPROVED: FOR SEWER DRAINAGE SYSTEMS & PUBLIC ROADS, HOWARD CO. DEPT. OF PUBLIC WORKS
Director DATE: 5-8-78

SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT THAT IT IS A SUBDIVISION OF PART OF LANDS CONVEYED BY BERTHA M. BROWN, WIDOW, UNTO MILDRED V. BROWN BY A DEED DATED FEB. 26, 1966 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY IN LIBER 450 FOLIO 202, AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND AS AMENDED.

Walter Park
WALTER PARK REG. L.S. #5850
MCKINLEY ASSOCIATED

OWNER'S CERTIFICATE
I, MILDRED V. BROWN, OWNER OF THE LAND SHOWN AND DESCRIBED HEREON HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE OFFICE OF PLANNING & ZONING ESTABLISH THE MINIMUM BUILDING RESTRICTIONS (DEAN) UNTO HOWARD COUNTY, MD., ITS SUCCESSORS, (ASSIGNS) (1) THE RIGHT TO LAY, CONSTRUCT & MAINTAIN SEWERS, DRAINS, WATER PIPES & OTHER MUNICIPAL UTILITIES & SERVICES, IN & UNDER ALL ROADS & STREET RIGHT OF WAYS & THE SPECIFIC EASEMENTS ARE AS SHOWN HEREON; (2) DEDICATE TO PUBLIC USE THE BEDS OF THE STREETS & JOE ROADS & FLOOD PLAINS & OPEN SPACE WHERE APPLICABLE; & FOR ONE DOLLAR (\$1.00) CONSIDERATION HEREBY GRANT THE RIGHT & OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS & JOE ROADS AND FLOOD PLAINS & OPEN SPACE WHERE APPLICABLE; (3) THAT NO BUILDING OF SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS & RIGHT OF WAYS & (4) IT IS FURTHER AGREED THAT THE MAINTENANCE OF ALL WATERWAYS, DRAINAGE EASEMENTS & JOE FLOOD PLAINS SHOWN HEREON ARE THE RESPONSIBILITY OF THE PROPERTY OWNER ITS SUCCESSORS & ASSIGNED WITNESS OUR HAND THIS 10TH

RECORDED AS PLAT # 207 ON 5-11-78 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

LOTS 1 & 2
PROPERTY OF
MILDRED V. BROWN
ELECTION DISTRICT 5
HOWARD COUNTY, MD
SCALE: 1"=100' SEPT. 6, 1971

6/24/77 9:30 AM
1:30 PM 2nd

APPLICATION

A 26030

SEWAGE DISPOSAL TESTING

P _____

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 6-8-77

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 Mildred V. Brown

ADDRESS 14705 Triadelphia Mill Rd. PHONE 286-2764
DAYTON md. 21036

PROPERTY LOCATION:
SUBDIVISION _____ LOT NO. 2

ROAD AND DESCRIPTION 14705 TRIADELPHIA MILL Rd. - S.W. corner of
existing 11.387 acres plot.

SIZE OF LOT ± 3 acres TYPE BLDG. 3
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 Thomas D. Brown

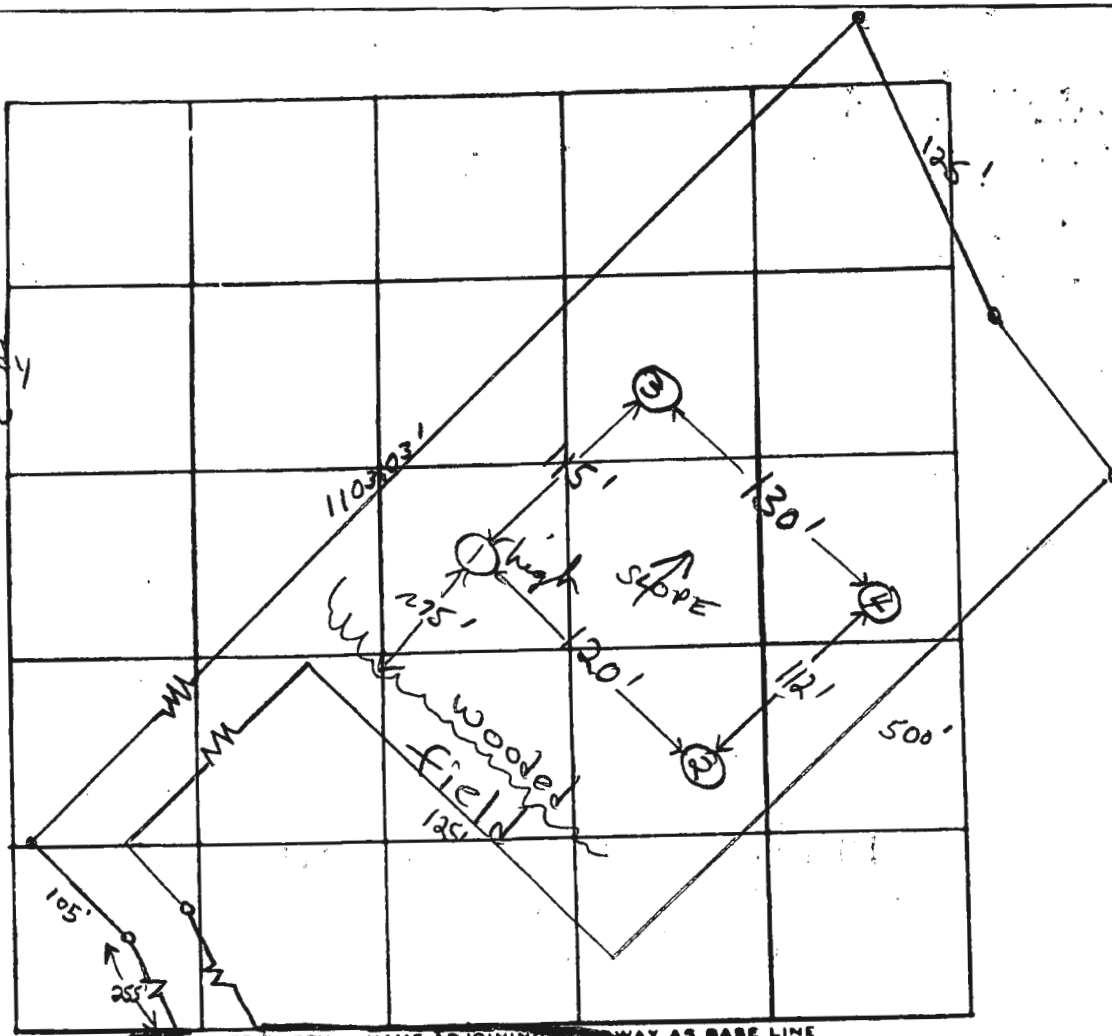
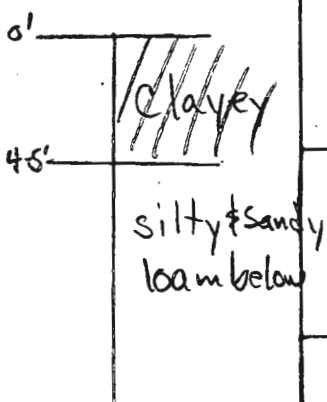
APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY Frank Skinner FOR _____ DATE 11/7/77
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING Hold for certified hole location in S. & S.
holes apparently on wrong lot F.S.

THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING HIGHWAY AS BASE LINE

Philadelphia Mill Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/24/77	1 high	3'	11:15				FAILS
	1A	13'	11:15	11:17	11:17	11:22	5 min
	1B	4'	11:26	11:30	11:30	11:38	8 min
	2	12'	Clayey to 3'		silty loam below		
	3	5'	11:39	11:47	11:47		pulled peg
	3A	13'	11:38	11:40	11:40	11:45	5 min
	4	5'	11:52	11:53	11:53	11:55	2 min
	4A	13'	11:52	11:53	11:53	11:55	2 min
	3B	5 1/2'	11:59	12:02	12:02	12:08	6 min

REMARKS Wooded lot - Certify hole locations

TYPE OF SOIL Clayey to 4' - 5'; silty & sandy loam below

TESTED BY F.S. ALSO PRESENT: Brown, Fyeck & Co.

ROBERT BRUFFEY
MAP 27 B1 16 PARCEL
009AL
LIBER 051 FOLIO 368

FRANCIS M. BROWN
TAX MAP 27 B1 16 PARCEL 72
LIBER 450 FOLIO 200

DWELLING

EXISTING
DRIVEWAY
DWELLING
See P 13427
A 13148

MILDRED V. BROWN
TAX MAP 28 B18 PARCEL 22
LIBER 302 FOLIO 373

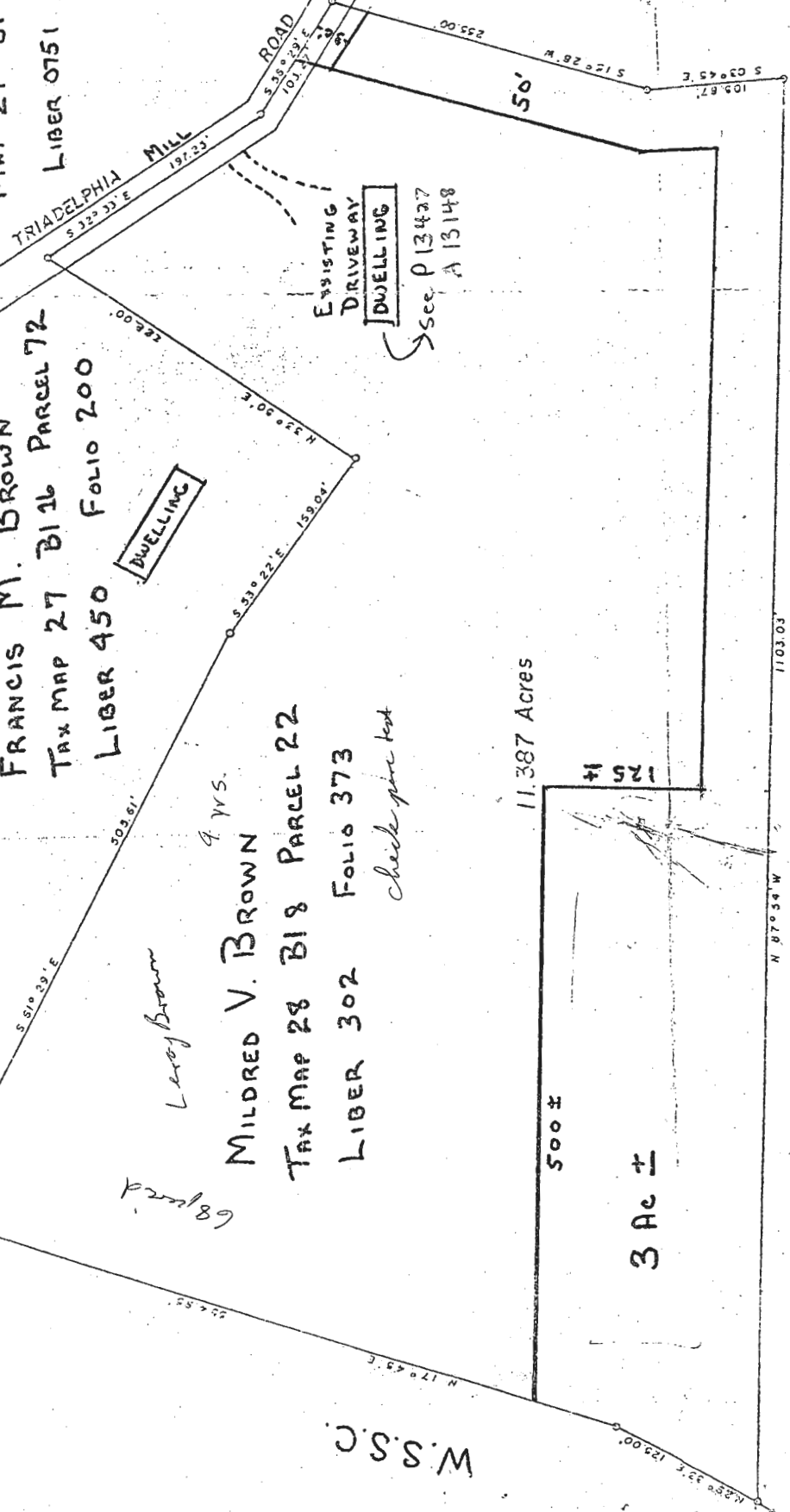
check pin text

11.387 Acres

3 Ac ±

500 ±

KIMBURTHILL INC.
TAX MAP 27 B1 23 PARCEL 23
LIBER 675 FOLIO 399



W.S.S.C.

APPLICATION

10/10/77
Well not drilled
No elevations
A 26030

SEWAGE DISPOSAL TESTING

P. _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT 3 B.R.

4 B.R. DISTRICT 5th

ENVIRONMENTAL HEALTH SERVICES 1000 gal. septictank

1250 gal. septictank DATE 6/8/77

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 465-5000, EXT. 356

Drywell & trench system to have 140 SQ. FT. effective
sidewall absorption area per bedroom, to begin below the top
4 ft. of non-porous soil. Maximum depth permitted for drywell or
trench is 10 ft. below original grade. Place the drywell ~~25~~ 19 ft. from
us to the ~~front~~ ^{189.27} (125.00 ft. long) lot line and 30 ft. from the ~~left~~
rear ¹³⁵ (1101.46 ft. long) side line as seen when facing the property from
Triadelphia Mill Road. Start the trench after a 5 foot girth buffer
with the drywell, and proceed to dig it on level
ground, the required distance.

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

NOTE: Call for inspection of trench before gravel is installed

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

Serial No. 41541

PROPERTY OWNER MILDRED V. BROWN

ADDRESS 14705 TRIADELPHIA MILL RD.
DARTON Md. 21036

PHONE 286-2764

PROPERTY LOCATION:

SUBDIVISION _____

LOT NO. 2

ROAD AND DESCRIPTION S.W. CORNER OF 14705 TRIADELPHIA MILL RD.

SIZE OF LOT ± 3 ACRES

TYPE BLDG. 3 BEDROOM
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 Mildred V. Brown

BLDG. PERMIT SIGNED
AND RETURNED 6/18/77
Serial # 43496

APPROVED BY Frank Skinner

FOR Drywell & trench DATE 11/8/77
(KIND OF SYSTEM)

REJECTED BY _____

FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____

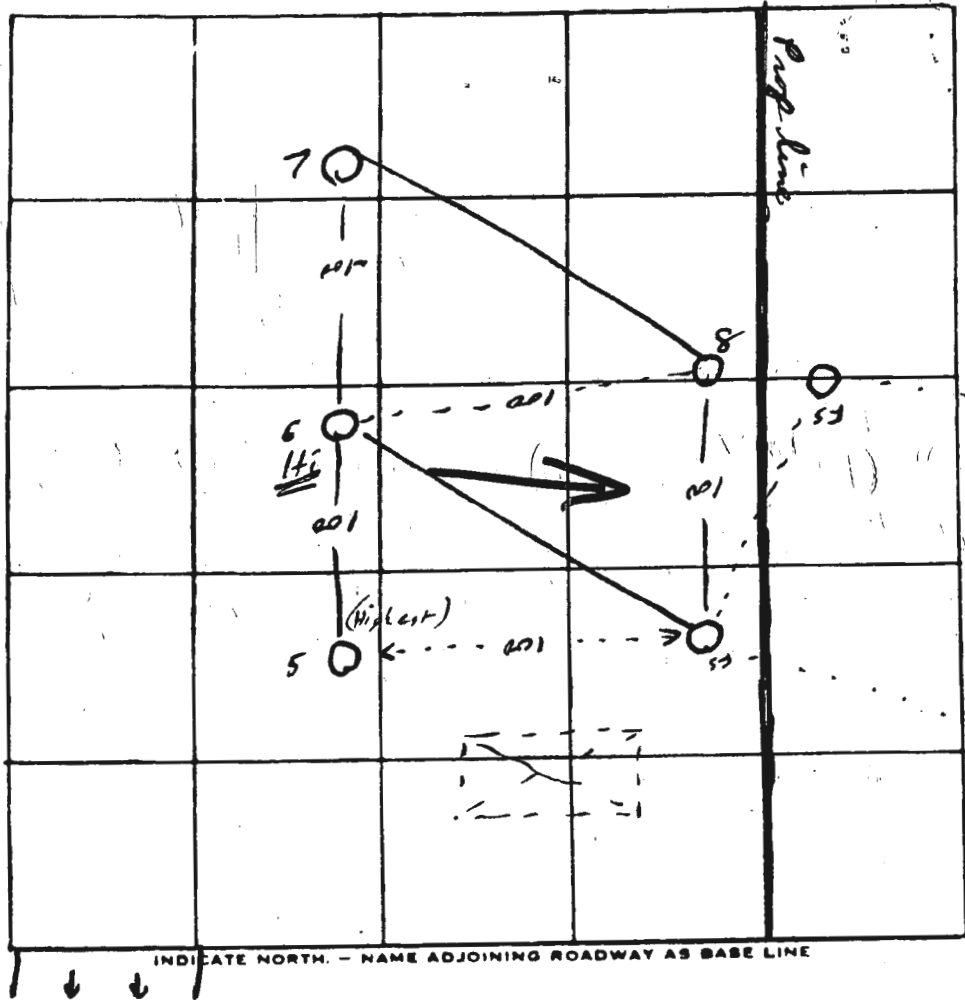
DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

(5)
 0 hard dry clay
 7

(7, 8)
 0 sandy clay
 5±
 1 sandy loam
 13½

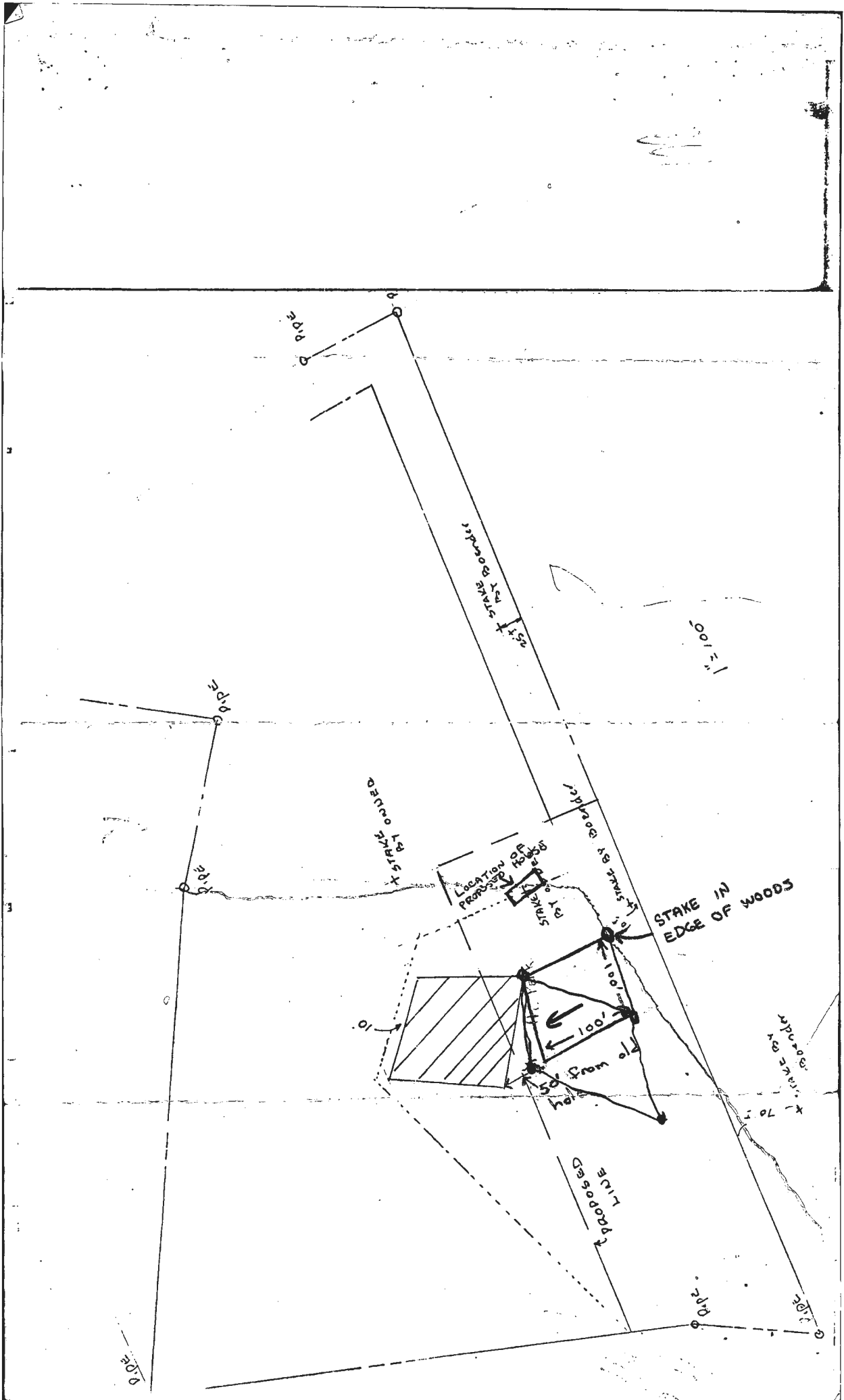


DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
29/4/77	5	7	12 ⁰⁰	12 ¹⁵	4 1/2" pulled @	12:30	~30
	6	4 1/2 13 1/2	12 ⁵⁷	13 ⁰¹ 12 ⁵⁹	13 ⁰¹ 12 ⁵⁹	13 ⁰⁸ 13 ⁰⁴	7 5
	7	4 1/2 13 1/2	13 ¹⁴	13 ¹⁶ "	13 ¹⁶ "	13 ²⁶ "	10 10
	8	12 1/2	vis				

REMARKS _____

TYPE OF SOIL _____

TESTED BY YM ALSO PRESENT: Fyork



0698

SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND

WATER RESOURCES ADMINISTRATION
TAVES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER

110-75-3567

FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)
3/3/80
9:30 AM
LET
O

OWNER
COL 15 LAST NAME Chapman COL 34
COL 16 FIRST NAME Thomas
STREET OR RFD. COL 36 5480 Jess Oaks Rd. COL 55
POST OFFICE COL 67 Clarksville Md. 21029 COL 76

B 1 CONTINUED DRILLER INFORMATION
1 2 3 (SEQ. NO.) 6
DATE Feb 13, 1980 LICENSE NUMBER 238
FIRST NAME Joseph H. Magno DRILLER
LAST NAME Magno
SIGNATURE Joseph H. Magno

B 3 LOCATION OF WELL
1 2 3 (SEQ. NO.) 6
COUNTY Howard
SUBDIVISION Middlebrook Brown
SECTION 1 LOT 2
NEAREST TOWN Dayton
MILES FROM TOWN (ENTER 0 IF IN TOWN) 3 1/2 MI

B 2 WELL INFORMATION
1 2 3 (SEQ. NO.) 6
MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5
AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 20
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING, AGRICULTURE, IRRIGATION
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.
 MUNICIPAL WATER SUPPLY
 PRIVATE WATER COMPANY
 TEST
MUST HAVE STATE HEALTH DEPT. APPROVAL

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)
1 2 3 (SEQ. NO.) 6
N NORTH E EAST NE NORTHEAST SE SOUTHEAST
S SOUTH W WEST NW NORTHWEST SW SOUTHWEST
NEAR WHAT ROAD Philadelphia Mill Rd
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N S E W
DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 1100 FT

APPROXIMATE DEPTH OF WELL 150 FEET

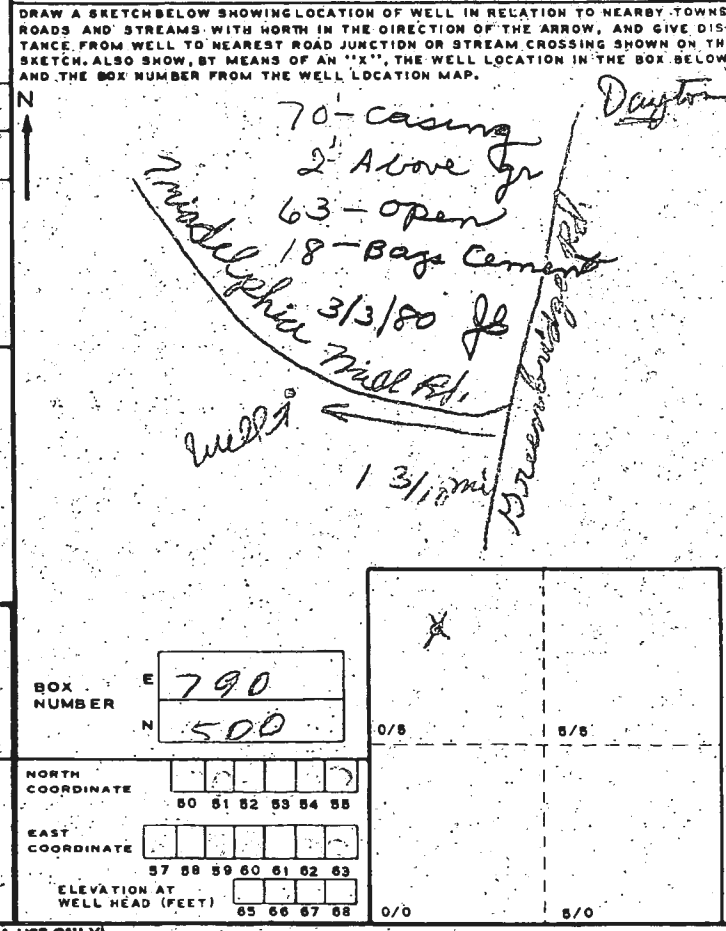
APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)
BORED (OR AUGERED) JETTED DRIVEN
30-37 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)
CABLE REVERSE-ROTARY DRIVE-POINT
OTHER (DESCRIBE)

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)

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)
APPROPRIATION PERMIT NUMBER [] ENGINEER REVIEW DISTRICT NO. []
FORCE [] WRITE INITIALS IN BOX [] CONDITIONS []

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL
1 2 3 (SEQ. NO.) 6
41 STATE HEALTH (CIRCLE BOX) S
MO. DAY YR. Howard COUNTY NAME Howard COUNTY NO. 1
DATE 2.2.80 APPROVED BY [Signature]



B 5 SPECIAL CONDITIONS 8-83 (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6

C 1 3011

SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

DATE RECEIVED (WRA USE ONLY)

DATE WELL COMPLETED Mar. 3 1988

DEPTH OF WELL (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL"

110-73-3067

COUNTY NUMBER

DRILLERS IDENTIFICATION NO.

OWNER

Owner: Harris E. Harris

STREET OR RFD

POST OFFICE

WELL LOG

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY) FEET CHECK IF WATER BEARING

Brown Shale 0 50
Sand 50 64
Gravel 64 115

NEW 11 FEET DRAWN CORRECTLY
55 CM 5 ST. B. 118
EIA FORM 111

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES [Y] NO [N]
TYPE OF GROUTING MATERIAL (CIRCLE BOX) CEMENT [CM] BENTONITE CLAY [BC]
NO. OF BAGS 18 NO. OF POUNDS 116.99
GALLONS OF WATER 108
DEPTH OF GROUT SEAL (TO NEAREST FOOT) FROM 0 FT. TO 103 FT.

CASING RECORD

CASING TYPES INSERT APPROPRIATE CODE BELOW: STEEL [ST], CONCRETE [CO], PLASTIC [PL], OTHER [OT]
MAIN CASING TYPE [ST] NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 66 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 70

OTHER CASING (IF USED)

OTHER CASING DIAMETER (INCH) DEPTH (FEET) FROM TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE INSERT APPROPRIATE CODE BELOW: STEEL [ST], BRASS OR BRONZE [BR], OPEN HOLE [HO], PLASTIC [PL], OTHER [OT]

DEPTH (NEAREST WHOLE FOOT)

DEPTH (NEAREST WHOLE FOOT) FROM TO: 1 110 15 145
EACH SCREEN: 1 110 15 145, 2, 3

DIAMETER OF SCREEN 56 60 (NEAREST INCH) FROM TO

GRAVEL PACK IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68 [F]

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING 70 [] LOG INDICATOR 72 [] OTHER DATA AVAILABLE 74 75 76 []

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 5
PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 15

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL: (DISTANCE FROM LAND SURFACE) BEFORE PUMPING 55 (NEAREST FOOT) WHEN PUMPING 5 (NEAREST FOOT)

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX)

[A] AIR, [P] PISTON, [T] TURBINE, [C] CENTRIFUGAL, [R] ROTARY, [O] OTHER (DESCRIBE BELOW), [J] JET, [S] SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES [Y] NO [N]

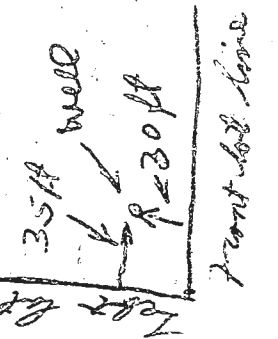
CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

[+] ABOVE LAND SURFACE [] BELOW 2 (NEAREST FOOT)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).



CIRCLE APPROPRIATE BOXES

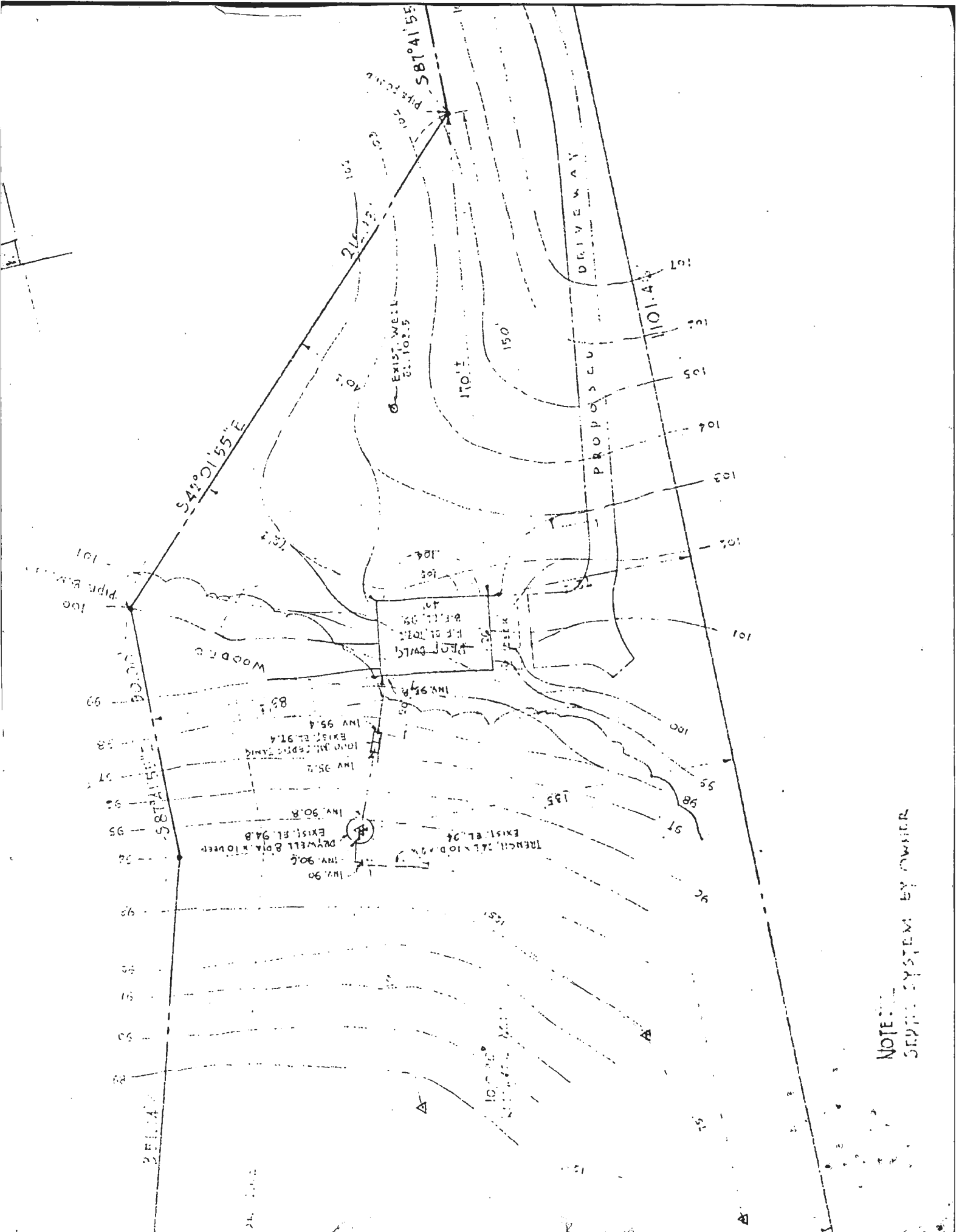
- [A] A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
[E] ELECTRIC LOG OBTAINED
[P] TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME

(PLEASE PRINT) Joseph L. Harris

SIGNATURE



NOTE:
SEPTIC SYSTEM BY OWNER