



Howard County  
Health Department

**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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

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

RECEIPT DATE: 10-3-19

**ONSITE SEWAGE DISPOSAL SYSTEM**

P 246395

APPROVAL DATE: 11/5/19

**PERMIT: CONSTRUCTION**

A

PROPERTY ADDRESS: 1036 Taylor Park Road

SUBDIVISION: River Park Estates

LOT: 46

TAX ID:

03-282325

CONTRACTOR: Jeff Allen Backhoe

EMAIL:

CONTRACTOR ADDRESS:

PHONE: 410 707 9028

PROPERTY OWNER: Brandon Motherhead and Kellie Riley

EMAIL:

OWNER ADDRESS: 1036 Taylor Park Road, Sykesville, MD 21084

PHONE:

SEPTIC TANK SIZE (GALLONS):

TANK MANUFACTURER:

PUMP MODEL:

PUMP SIZE

PUMP TANK CAPACITY:

DISTRIBUTION SYSTEM:



GRAVITY



PRESSURE DOSED

BEDROOMS: 3

APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>52</u>	INLET DEPTH: <u>2.35</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:	Pump and abandon drywell at time of installation of new system	

ISSUED BY: HO

ISSUE DATE: 10-3-19

EXPIRATION DATE: 10-3-20

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 DOWNGRADE 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

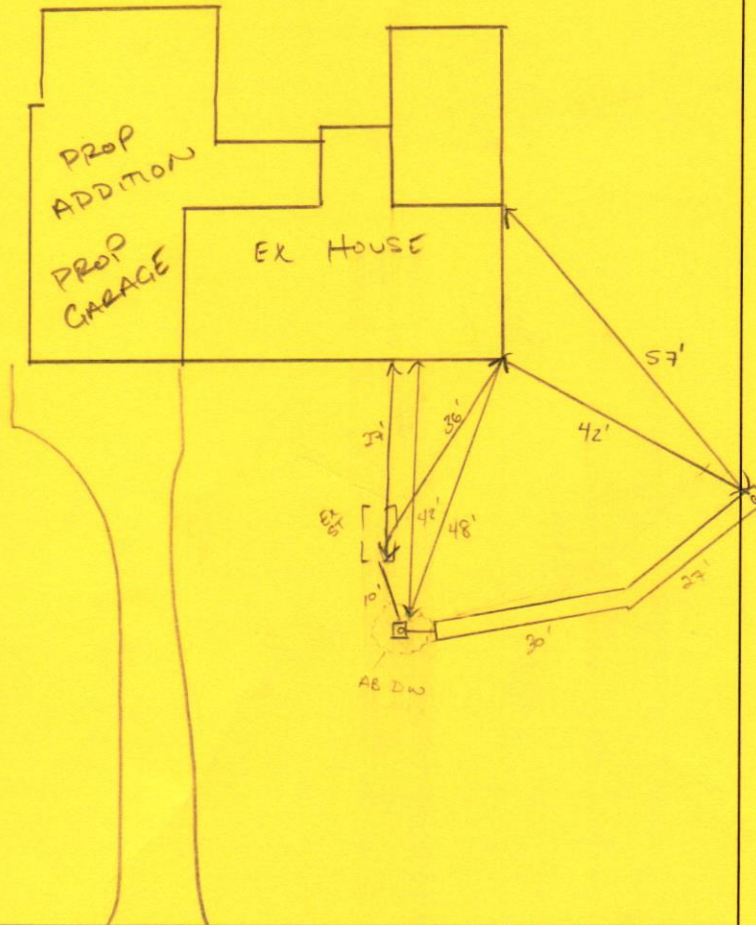
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.**

**PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

**CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**



NOT TO SCALE



**TRENCH/DRAINFIELD DATA**

WIDTH 3' INLET 4' BOTTOM 8'  
NUMBER OF TRENCHES 1  
TOTAL LENGTH 57' F  
ABSORPTION AREA 171 SF  
DISTRIBUTION BOX LEVEL N/A  
DISTRIBUTION BOX BAFFLE YES  
DISTRIBUTION BOX PORT YES

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL \_\_\_\_\_  
MANUFACTURER \_\_\_\_\_  
CAPACITY \_\_\_\_\_ GAL  
SEAM LOC \_\_\_\_\_  
TANK LID DEPTH ~36"  
BAFFLES \_\_\_\_\_  
BAFFLE FILTER \_\_\_\_\_  
MANHOLE LOC BACK (NEW)  
6" PORT LOC \_\_\_\_\_  
WATERTIGHT TEST \_\_\_\_\_  
SLOTTED \_\_\_\_\_  
DATE ON LID \_\_\_\_\_  
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:

NOV

INSTALLATION: 10/08/2019 A FINAL INSPECTION WAS SCHEDULED WITHOUT PRE CON  
INSPECTION. MUST CONFIRM CONSTRUCTION IS IN SDA DUE TO  
100' WELL ARC TO WELL SITE. 10/09/2019 TRENCH HAS BLOWN OUT,  
SIDES, INLET IS AT 4' INSTEAD OF SPEC. 8" OVER 10' FROM TANK TO D BOX.  
TANK OUTLET INVERT IS ~51" TO GRADE. CONFIRMED CONTOUR ON OUTER EDGE OF  
CONTOUR AND LEVELS OF DPE. OBS PORT MEASURES 2' BOTTOM. VERBAL CONFIRM  
8' TRENCH ENDS. STONE FELL IN W/ SOME RESIDUAL SOIL AT TRENCH END.  
TIED D BOX INTO END OF DW: OUTLET BAFFLE (EXISTING NOT TO 16" SPEC).

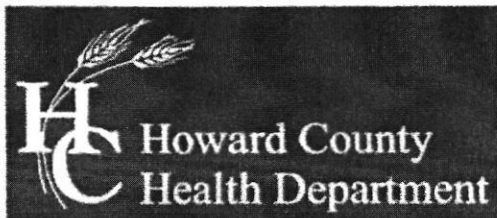
10/10/2019 RISER OBSERVED ON BACK FILL dc

FINAL INSPECTOR

K. Hagg

DATE OF APPROVAL

11/5/19



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Twitter: HowardCoHealthDep

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

## APPLICATION FOR VARIANCE TO COMAR ONSITE WATER/SEWER FOR MDE APPROVAL

Date Submitted 9/3/2019

1036 Taylor Park Road

Property Address

River Park Estates

Subdivision

46

Lot

9

Tax Map

5

Grid

131

Parcel

282325

Tax Account #

Provide a brief site history including previously submitted and active plans with the Health Department or the County (subdivision plans, perc test applications, Building Permit applications):

Perc Cert Plan

In the area below, list the specific section of the Code of Maryland Regulations (COMAR) to which a variance is being requested and provide a brief summary of the regulation and an explanation of why the variance is being requested (Attach a separate sheet if necessary).

Regulation Section

Summary and Explanation

1. COMAR 26.04.02.05.B.(2)

Specifies that on-site sewage disposal system is to be located downgradient from a private water well.

2.

Property Owner's Signature

### Health Department Use Only

Reviewed by

Mark Oswald

HCHD Staff

9/4/19

Date

Recommendation:

☒ Recommended

☐ Not Recommended

[Signature]

HCHD Supervisor

9/16/19

Date

Comments/Conditions:

Approved by:

Steven R. Krieg LEHS

MDE Representative

9/29/19

Date



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

## NOTICE OF VIOLATION

10/08/2019

Jeffrey Allen  
Jeffrey Allen Backhoe  
15100 Frederick Road  
Woodbine, MD 21797

# met w/ Jeff Allen  
10/31/19 to go over N.O.V.  
EKJ

CERTIFIED MAIL: 7004 1160 0002 3409 5493

RE: **Construction of P566395 at 1036 Taylor Park Road**

Dear Jeffery Allen:

On 10/08/2019 a final inspection request was called into the office for the construction at 1036 Taylor Park Road pursuant to an Onsite Sewage Disposal Permit for a septic repair (P5566395). The work that was done on the system was in clear and errant violation of the Permit (P5566395) which states: **A contractor must schedule a preconstruction inspection prior to beginning any installation.**

Be advised that of the Howard County Code

### **Sec. 3.804. – General Provisions**

(b) Responsibility. Any person who owns, installs, alters, or constructs an on-site sewage disposal system including, but not limited to, an owner, plumbing contractor, or sewage disposal system contractor, are jointly and severally responsible for compliance with this subtitle and for fulfilling the requirements of the design for the construction, addition, or alteration of on-site sewage disposal systems approved by the approving authority.

### **Sec. 3.806. – Permit Required**

(a) Sewage Disposal Permit; Minor Septic Repair Permit.

(1) When required. Where a public sewage disposal system is not available and construction is contemplated for a building for human occupancy or use, or an addition to or alteration of any existing on-site sewage disposal system is proposed, the master plumber, disposal system contractor, or owner shall, prior to beginning any construction, make an application to the approving authority for a minor septic repair permit or an on-site sewage disposal permit in accordance with the requirements of this section and subsection 12.106(a) of the Howard County Code in order to perform the necessary installation or modification to the existing on-site sewage disposal system.

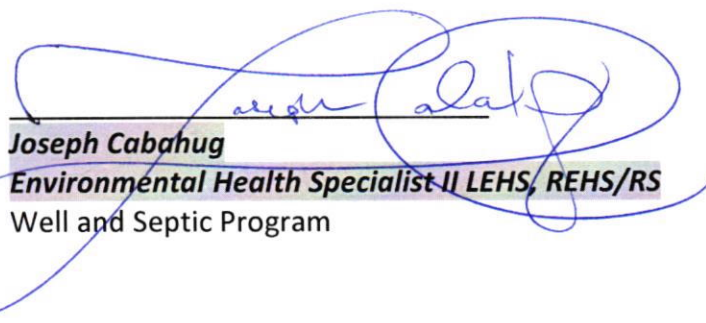
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**Maura J. Rossman, M.D., Health Officer**

**You are hereby ordered contact our office at 410-313-1771 within 15 days to schedule a meeting with the Howard County Health Department Well and Septic Program. Failure to comply will result in the issuance of a civil citation(s). Under Howard County Code, paragraph 12.112, each day this violation is allowed to occur is considered a separate offense.**

If you believe that the condition described above is not and could not be a hazard to health, or that the Health Department is not acting in compliance with pertinent laws and regulations, you may request a formal hearing before the Board of Health within 15 (fifteen) days of receipt of this letter. All requests are to be made in writing and directed to the Executive Secretary of the Board of Health at the above address.

If you have any questions regarding this letter, please contact me at 410-313-1771.



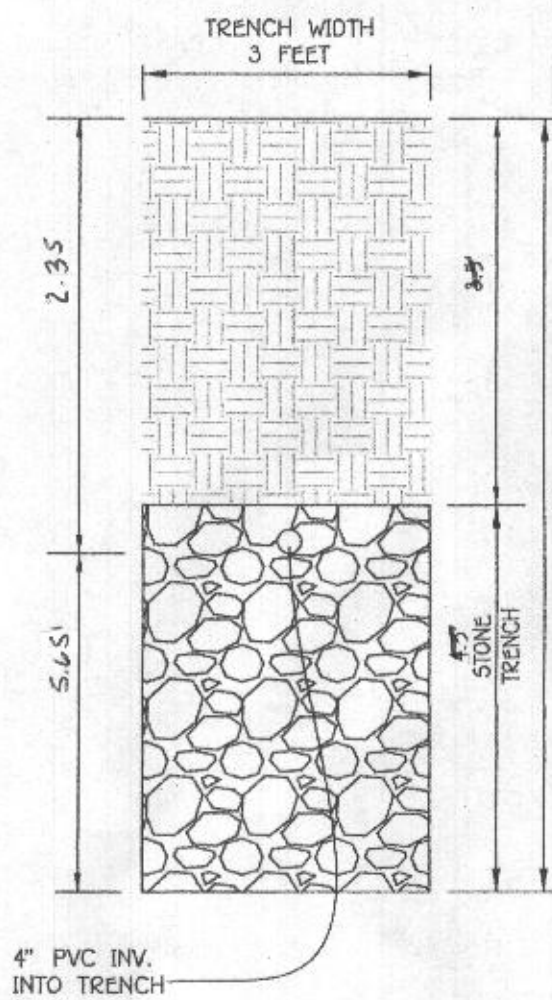
**Joseph Cabahug**

**Environmental Health Specialist II LEHS, REHS/RS**  
Well and Septic Program



# LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- DENOTES PASSED PERC



INITIAL TRENCH DETAIL

SCALE: NTS

## INITIAL SYSTEM

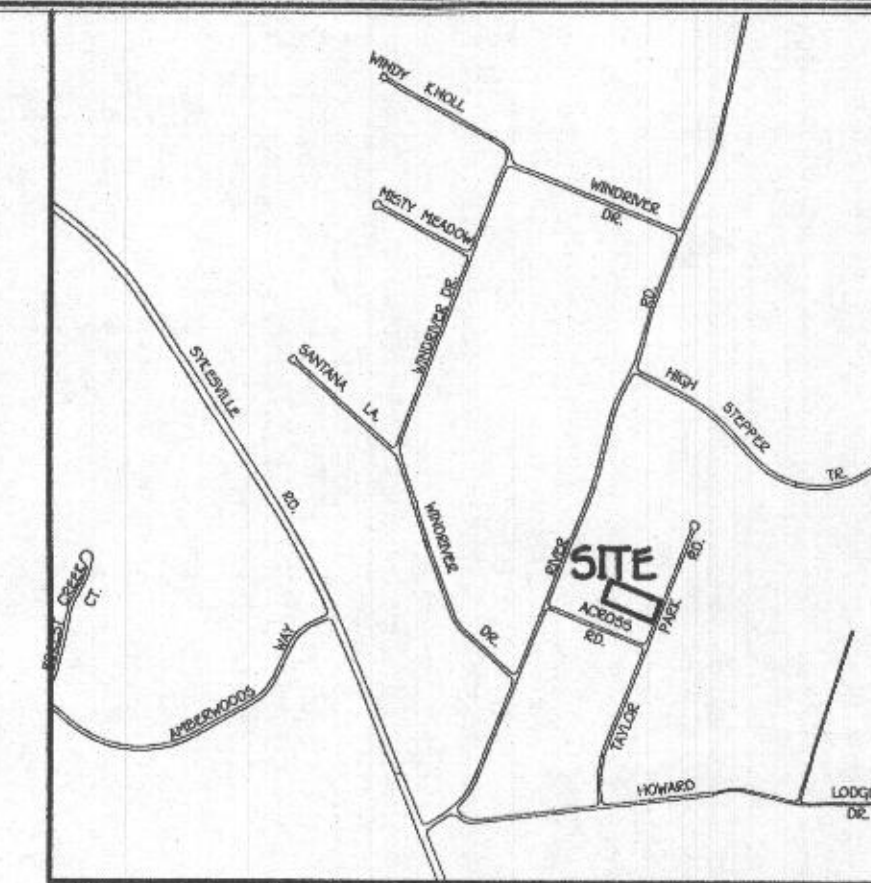
SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 3 BEDROOMS  
LOADING RATE = 3 BEDROOMS X 150 GPD/BEDROOM = 450 GPD  
APPLICATION RATE = 1.2  
EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
TRENCH DEPTH = 8 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 4 FEET  
SF OF DRAINFIELD = 450 GPD / 1.2 = 375 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+2(4)) = 0.416  
TRENCH LENGTH = 125 SF x 0.416 = 52.0 FEET  
TRENCH SPACING = 2D+W = (2(4) + 3) = 11' USE 11'

## 1ST REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 3 BEDROOMS  
LOADING RATE = 3 BEDROOMS X 150 GPD/BEDROOM = 450 GPD  
APPLICATION RATE = 1.2  
EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
TRENCH DEPTH = 8 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 4 FEET  
SF OF DRAINFIELD = 450 GPD / 1.2 = 375 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+2(4)) = 0.416  
TRENCH LENGTH = 125 SF x 0.416 = 52.0 FEET  
TRENCH SPACING = 2D+W = (2(4) + 3) = 11' USE 11'

## 2ND REPLACEMENT SYSTEM

SEWAGE DISPOSAL SYSTEM DATA DESIGN FOR 3 BEDROOMS  
LOADING RATE = 3 BEDROOMS X 150 GPD/BEDROOM = 450 GPD  
APPLICATION RATE = 1.2  
EFFECTIVE SIDEWALL BEGINS AT 4 FEET  
TRENCH DEPTH = 8 FEET  
TRENCH WIDTH (W) = 3 FEET  
EFFECTIVE DEPTH (D) = 4 FEET  
SF OF DRAINFIELD = 450 GPD / 1.2 = 375 SF  
COEFFICIENT OF REDUCTION OF TRENCH LENGTH = (W+2)/(W+1+2D) = (3+2)/(3+1+2(4)) = 0.416  
TRENCH LENGTH = 125 SF x 0.416 = 52.0 FEET  
TRENCH SPACING = 2D+W = (2(4) + 3) = 11' USE 11'



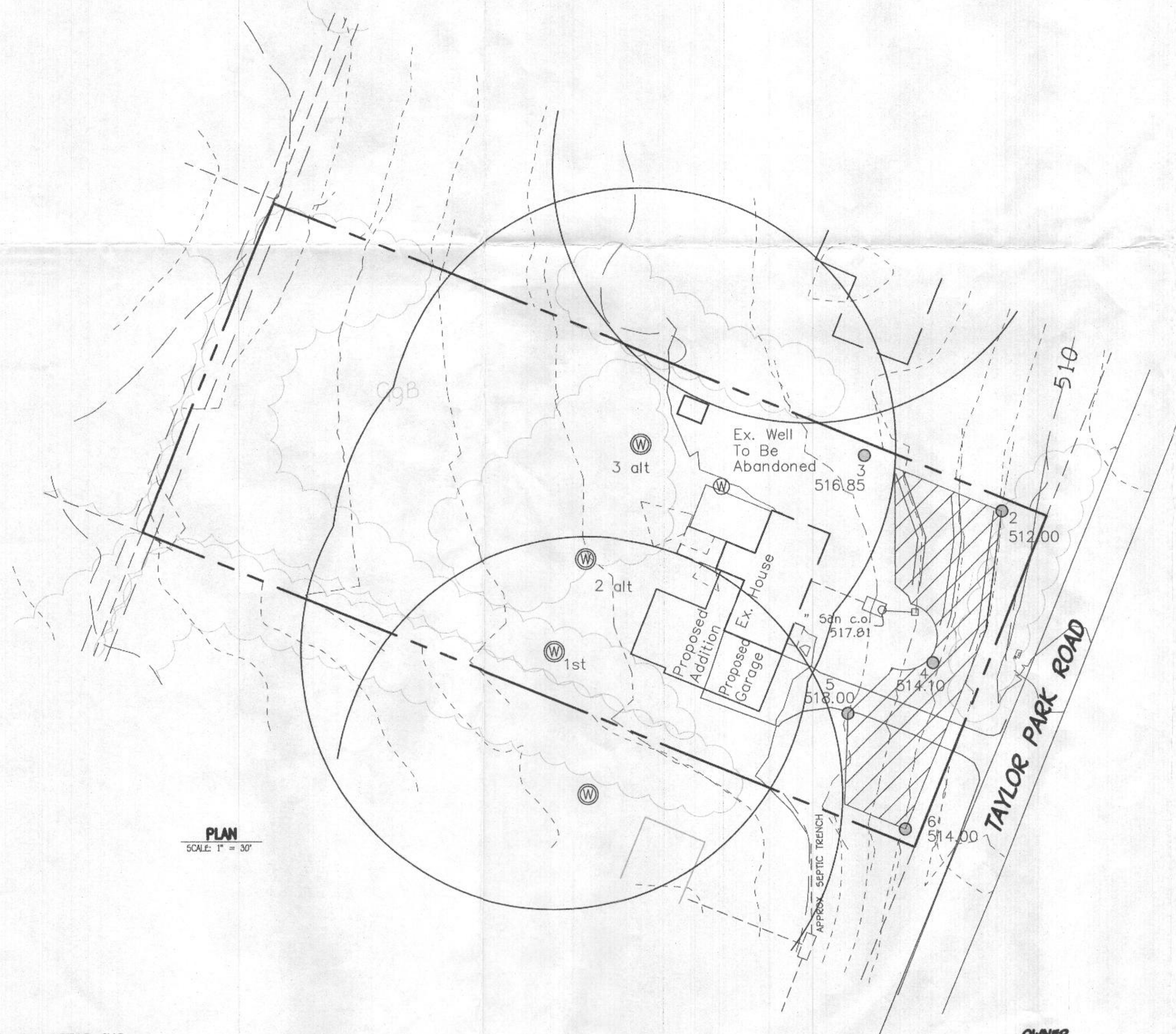
VICINITY MAP

SCALE: 1" = 1200'

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.
3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
4. THE WELL AT 1036 TAYLOR PARK ROAD HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

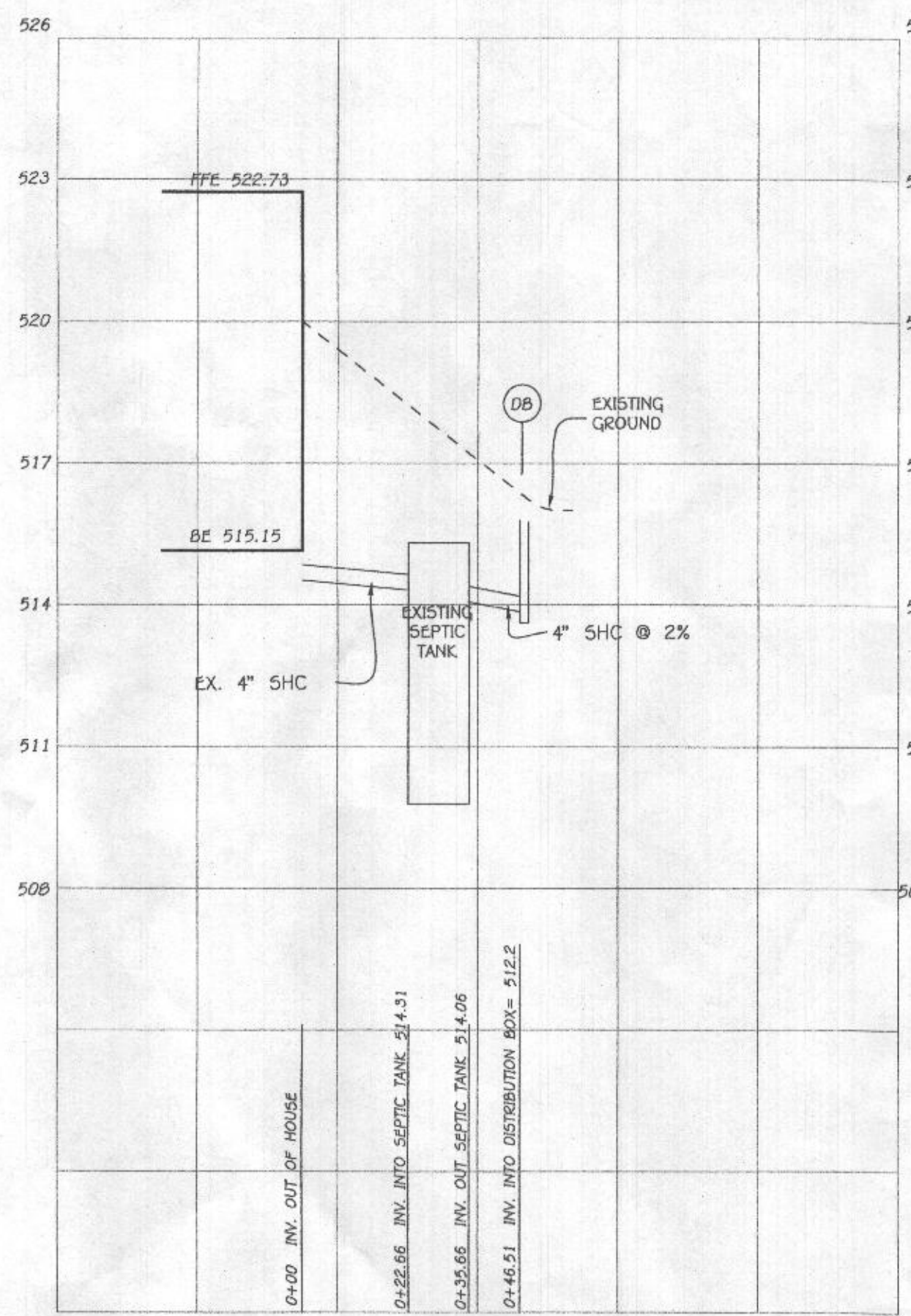
## TRENCH DATA

TRENCH 1:  
EX. GROUND ABOVE = 516.0  
INV. IN = 513.65  
BOTTOM TRENCH = 508.0



PLAN

SCALE: 1" = 30'



SEPTIC PROFILE

SCALE: 1" = 30'

PFE 522.73  
BE 515.15  
EX. GROUND AT SEPTIC TANK = 518.00  
PROP. GRADE ABOVE SEPTIC TANK = 518.00  
TOP OF SEPTIC TANK = 515.31  
INV. INTO SEPTIC TANK = 514.31  
INV. OUT OF SEPTIC TANK = 514.06  
EX. GROUND AT DISTRIBUTION BOX = 516.00  
INV. INTO DISTRIBUTION BOX = 513.85  
INV. OUT OF DISTRIBUTION BOX = 513.75

Approved Septic System Plan  
Howard County Health Department  
Mark Oswald 9/20/19  
Signature Date



## 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. 20748, EXPIRATION DATE: 02/22/2019.

Michael J. Vituri  
Signature Of Professional Engineer

9/20/19  
DATE

SEPTIC SYSTEM  
INSTALLATION SITE PLAN  
1036 TAYLOR PARK ROAD

TAX MAP #9  
3RD ELECTION DISTRICT  
SCALE: 1" = 30'

PARCEL: 131  
HOWARD COUNTY, MARYLAND  
DATE: SEPTEMBER 10, 2019