

OSE/PE Report For:

- Construction Permit
- Repair Permit
- Voluntary Upgrade Permit
- Certification Letter
- Subdivision Approval

Property Location:
 911 Address: 322 Jaber Road, Clarksville, VA 23927 City: _____
 Lot Q Section _____ Subdivision Sunset Cove
 GPIN or Tax Map # 192A02-05-Q (PRN 39021) Health Dept ID # _____
 Latitude _____ Longitude _____

Applicant or Client Mailing Address:
 Name: Stephen G. Riggins
 Street: 2757 Lowe Road
 City: Elon State NC Zip Code 27244

Prepared by:
 OSE Name Robert Johansen License # 1940001333
 Address 810 High Rock Road
 City Cumberland State VA Zip Code 23040
 PE Name _____ License # _____
 Address _____
 City _____ State _____ Zip Code _____

Date of Report 2/23/2024 Date of Revision #1 _____
 OSE/PE Job # 2449 Date of Revision #2 _____

Contents/Index of this report (e.g., Site Evaluation Summary, Soil Profile Descriptions, Site Sketch, Abbreviated Design, etc.)

| | |
|---------------------|--------------------|
| <u>1. cover</u> | <u>5. SSI</u> |
| <u>2. sys specs</u> | <u>6. ADE</u> |
| <u>3. drawing</u> | <u>7. well add</u> |
| <u>4. SSI</u> | <u>8. plat</u> |

Certification Statement
 I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the applicable provisions of the Sewage Handling and Disposal Regulations (12 VAC5-610), the Private Well Regulations (12 VAC5-630), the Regulations for Alternative Onsite Sewage Systems (12VAC5-613) and all other applicable laws, regulations and policies implemented by the Virginia Department of Health. I further certify that I currently possess any professional license required by the laws and regulations of the Commonwealth that have been duly issued by the applicable agency charged with licensure to perform the work contained herein.

The work attached to this cover page has been conducted under an exemption to the practice of engineering, specifically the exemption in Code of Virginia Section 54.1-402.A.11

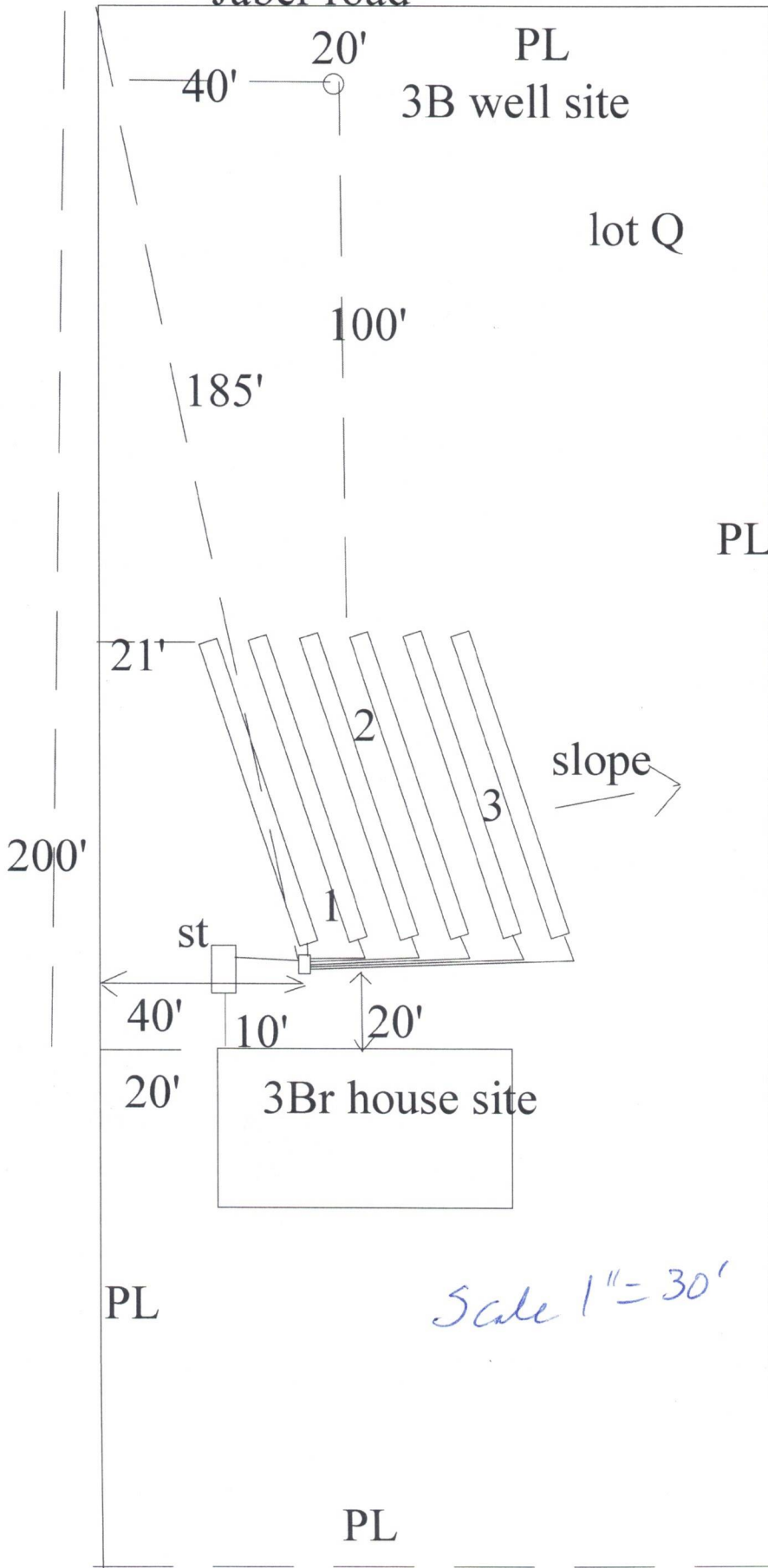
I recommend that a (select one): construction permit certification letter subdivision approval be (select one) Issued
 repair permit voluntary upgrade Denied

OSE/PE Signature [Signature] Date 2/23/24

System SpecificationsProperty ID: lot Q

| | |
|--|--|
| Applicant Information | |
| Name <u>Stephen G. Riggins</u> Address <u>2757 Lowe Road, Elon, NC 27244</u> | Phone <u>336-317-9289</u> |
| Location Information | |
| Tax Map No. <u>192A02-05-Q (PRN 39021)</u> GPIN No. _____ Directions <u>322 Jaber Road, Clarksville, VA 23927</u> | Property Address <u>322 Jaber Road, Clarksville, VA 23927</u> Subdivision <u>Sunset Cove</u> Section _____ Block _____ Lot <u>Q</u> |
| General Information | |
| System Type <u>st, df</u> (e.g. septic tank, drainfield) Type of Property <u>res</u> (e.g. commercial, residential, etc.) Conditions <u>none</u> | Number of bedrooms <u>3</u> Daily flow <u>450</u> (gpd) Well Specifications: 3b Grouted 50' min., Cased 50' min. |
| Sewer Line | Septic Tank – Inlet/Outlet Structure |
| Schedule 40 PVC, 4" <u>x</u> or equivalent (add check or describe equivalent below) _____ | Capacity: <u>1000</u> gallons 2 nd septic tank _____ gallons Per the <i>2000 Sewage Handling & Disposal Regulations</i> , Check which option chosen: Septic tank with inspection port <input checked="" type="checkbox"/> Septic tank with effluent filter <input type="checkbox"/> Reduced maintenance septic tank <input type="checkbox"/> |
| Conveyance line/force main Information | Distribution box Information |
| Method <u>gravity</u> (e.g. gravity, pumping, dosing siphon) If pumping, attach Pump Spec Sheet Material <u>sch. 40</u> Pipe diameter <u>4"</u> Slope of pipe _____ (in inches) | No. of boxes <u>1</u> No. of outlets <u>10</u> splitter box required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> settling box required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Header line Information | Percolation line Information/Absorption Area |
| 1500 pound crush strength Yes <input checked="" type="checkbox"/> Minimum slope is 2"/100 ft. Yes <input checked="" type="checkbox"/> | Center to center spacing <u>9</u> ft. Required spacing <u>9</u> ft. Installation depth <u>52</u> inches Aggregate depth <u>13''</u> <u>Laterals 6 length 60'</u> Graveless no laterals 5 length 60' Lateral bottom slope <u>2</u> per 50' inches Lateral width <u>36</u> inches |

Jaber road



ex st
 no well located
 on this lot
 no house on lot

Scale 1" = 30'

3 df 8

old flagging for df easement

Date of Evaluation 2-2024

Profile Description

Property ID: lot Q

Soil Evaluation Report

Where the local health department conducts the soil evaluation, the location of profile holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private soil scientist, location of profile holes and sketch of the area investigated including all structural features, i.e., sewage disposal system, wells, etc., within 200 feet of site (see section 4) and reserve site shall be shown on the reverse side of this page or prepared on a separate page and attached on this form.

See application sketch page See construction permit see sketch on reverse side or attached to this form

| Hole # | Horizon | Depth (inches) | Descriptions of color, textures, etc. | Texture Group |
|--------|---------|----------------|---|---------------|
| 1 | A | 0-6 | 10YR 5/4 loam | 2 |
| | B | 6-36 | 5YR 5/8 clay loam | 3 |
| | C | 36-72 | 5YR 5/8 loam | 2 |
| 2 | A | 0-6 | 10YR 5/4 loam | 2 |
| | B | 6-36 | 5YR 5/8 clay loam | 3 |
| | C | 36-72 | 5YR 5/8 loam | 2 |
| 3 | A | 0-6 | 10YR 5/4 loam | 2 |
| | B | 6-40 | 2.5YR 5/8, 7.5YR 4/6 clay | 4 |
| | C | 40-72 | var. 7.5YR 5/8, 10YR 6/6, 8/3 sandy clay loam & loam with feldspars | 2 |

Remarks:

5888

Abbreviated Design Form

This form is for use with gravity, pump to gravity, enhanced flow, and low pressure distribution (LPD) sewage system designs and when applying for a certification letter or subdivision approval.

This abbreviated design covers the primary and reserve area, only the primary area, only the reserve area (check one) for lot Q _____ property ID).

Design Basis

Total length of available area: 60'

Total width of available area: 48'

Estimated Perc. Rate: 45 at 52 in. (depth) Number of bedrooms (or GPD): 3

Conveyance Method¹: Gravity

Distribution method² (specify): _____

Dispersal system basis³ Table 5.4 of SHDR

LGMI required? No (Yes/No)

Effluent quality required: Primary (Primary, Secondary, Advanced Secondary)

Square feet per bedroom: 344

Total trench bottom area required: 1032

¹ Gravity, pump, siphon

² Enhanced flow, LPD, or Drip Dispersal

³ Table 5.4 of SHDR, identify the GMP used, or Table 1 of Alt. Sewage Regs

Area Calculations

Number of trenches 6 (Note if a pad is used)

Length of pad or trenches: 60'

Width of pad or trenches: 3'

Center to center spacing: 9'

Reserve required? no

Percent reserve area required: 0

Total width of absorption area required 48'

Total trench bottom area provided: 1080

The required width is calculated by multiplying the center-to-center spacing by one less than the number of trenches and adding 1 trench width plus any required reserve area. If the topography is not uniform across the length of the site the trenches will need to flare apart on one end to maintain contour. When this occurs it is necessary to use a center-to-center spacing that accounts for the flair or the installer will not be able to fit the system within the approved area. It is perfectly acceptable to have more area available, especially up and down the slope, than is required.

Note: Actual drainfield design contingent upon Health Department review and approval.

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**Addendum to AOSE/PE Certification Statement
For Private Well Construction Permit**

Instructions: Please check one box in 1-3 below. Statement templates for item #2 and #3 are on the following pages.

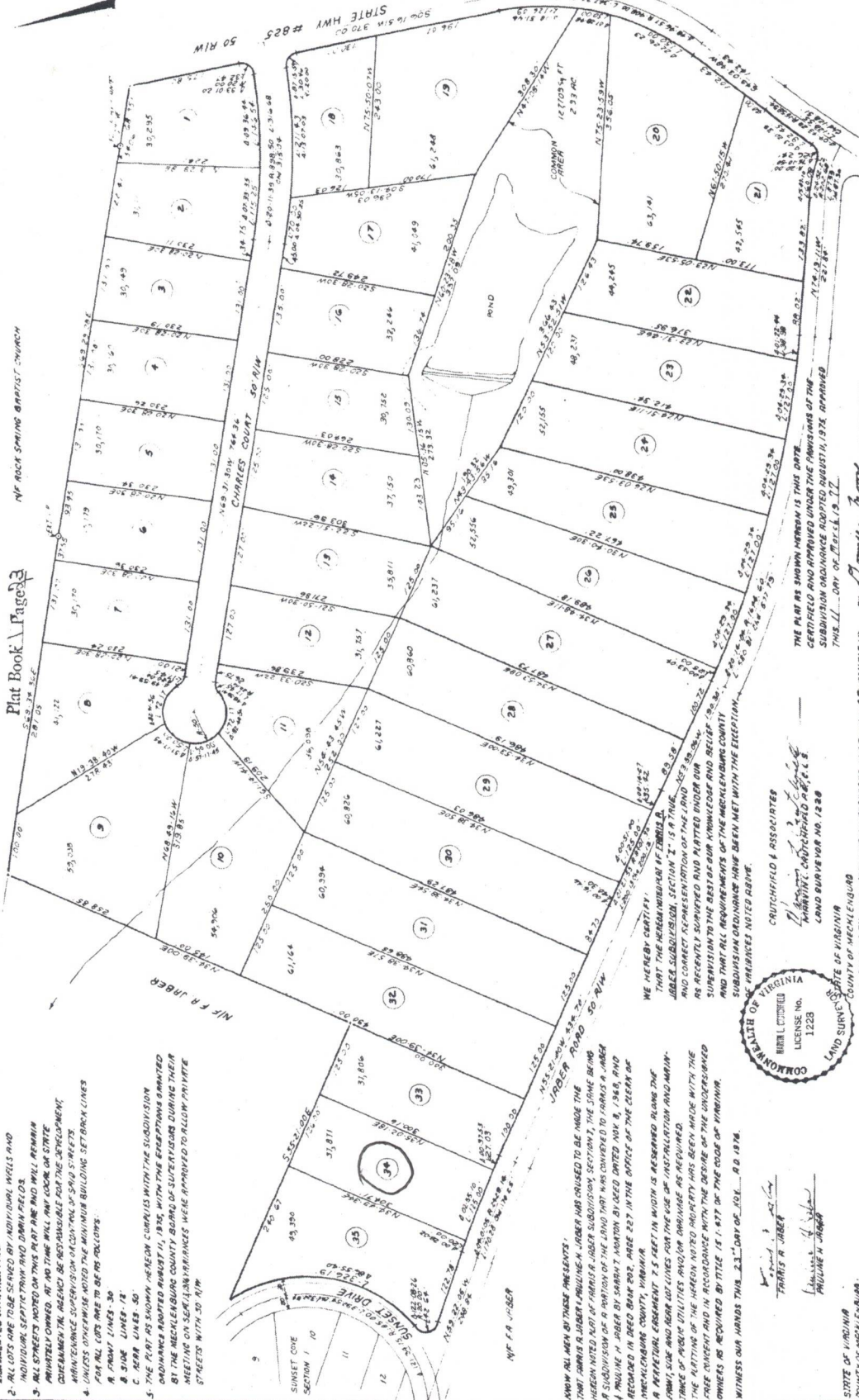
The proposed well site shown herein,

1. Is located a minimum of 50 feet from all property lines.
2. Is located within 50 feet of the adjacent property line(s) but I have determined that the adjacent property is not used for an agricultural operation.
- i. Written affirmation from the adjacent property owner(s) that their property is not used for an agricultural operation.
- ii. Other confirmation that land use is not an agricultural operation, please describe:
3. Is located within 50 feet of an adjacent property line where the property is used for an agricultural operation. For confirmation, I have attached the appropriate documentation pursuant to § 32.1-176.5:2 of the Code of Virginia. (check one below)
- i. Written permission from the adjacent property owner(s) for the well construction.
- ii. I certify that no other site on the property complies with the Board's Regulations for the construction of a private well.

7068

- NOTES:
1. ALL LOT CORNERS AND STREET CORNER TANGENT POINTS ARE DIMENSIONED WITH IRON PINS.
 2. ALL LOTS ARE TO BE SERVED BY INDIVIDUAL WELLS AND INDIVIDUAL SEPTIC TANKS AND DRAINAGE FIELDS.
 3. ALL STREETS NOTED ON THIS PLAT ARE TO BE OPEN AND FINISHED BY THE PROPERTY OWNERS AND SHALL REMAIN PERMANENTLY OWNED. AT NOTHING SHALL BE SAID FOR THE DEVELOPMENT OF ANY OTHER INTERESTS OR RIGHTS IN ANY OF THE LOTS OR PARCELS HEREON.
 4. THE LOTS ARE TO BE OPEN AND FINISHED BY THE PROPERTY OWNERS AND SHALL REMAIN PERMANENTLY OWNED. AT NOTHING SHALL BE SAID FOR THE DEVELOPMENT OF ANY OTHER INTERESTS OR RIGHTS IN ANY OF THE LOTS OR PARCELS HEREON.
 5. THE PLAT AS SHOWN HEREON CORRECTS WITH THE SUBDIVISION ORDINANCE ADOPTED AUGUST 11, 1976, WITH THE EXCEPTIONS GRANTED BY THE MECKLENBURG COUNTY BOARD OF SUPERVISORS DURING THEIR MEETING ON SEPTEMBER 22, 1976. THE BOARD OF SUPERVISORS HAS GRANTED THE FOLLOWING VARIANCES TO ALLOW PRIVATE STREETS WITH 20' R/W.

- A. FRONT LINES: 30'
 - B. SIDE LINES: 30'
 - C. REAR LINES: 50'
- THE PLAT AS SHOWN HEREON CORRECTS WITH THE SUBDIVISION ORDINANCE ADOPTED AUGUST 11, 1976, WITH THE EXCEPTIONS GRANTED BY THE MECKLENBURG COUNTY BOARD OF SUPERVISORS DURING THEIR MEETING ON SEPTEMBER 22, 1976. THE BOARD OF SUPERVISORS HAS GRANTED THE FOLLOWING VARIANCES TO ALLOW PRIVATE STREETS WITH 20' R/W.



FARRIS A. JABER SUBDIVISION
SECTION "I" - LOTS 1-35
 PALMER SPRINGS DISTRICT
 MECKLENBURG COUNTY, VA.
CRUTCHFIELD & ASSOCIATES
 SURVEYORS - ENGINEERS - PLANNERS
 BOYDTON, VIRGINIA 23917
 FILE NO. 081-76 NOV. 8, 1978

THE PLAT AS SHOWN HEREON IS THIS DATE CERTIFIED AND APPROVED UNDER THE PROVISIONS OF THE SUBDIVISION ORDINANCE ADOPTED AUGUST 11, 1976, APPROVED THIS 11 DAY OF DECEMBER, 1978.

BY: *[Signature]*
 COUNTY ADMINISTRATOR

FILED FOR RECORD IN THE OFFICE OF THE CLERK OF THE COURT OF MECKLENBURG COUNTY, VIRGINIA THIS 11 DAY OF DECEMBER, 1978 AT 10:55 A.M. IN DEPT. ROOM 1, PAGE 23.

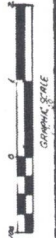


CRUTCHFIELD & ASSOCIATES
 LAND SURVEYORS
 LAND SURVEYOR NO. 1223

STATE OF VIRGINIA
 COUNTY OF MECKLENBURG
 I, *[Signature]*, CLERK OF THE COURT,
 DO HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT FREELY AND VOLUNTARILY WITNESS MY HAND AND SEAL THIS 23 DAY OF NOVEMBER, 1978.
 MY COMMISSION EXPIRES 7/20/1981.

NOTARY PUBLIC
[Signature]
 NOTARY PUBLIC

[Handwritten notes]
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[Handwritten number] 8058