County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

May 21, 2021

Darlene & Glen Goossen
7184 Clifton Road
Clifton, VA 20124

RE: Sewage Disposal System Certification Letter for new Reserve for 7184 Clifton Road Clifton, VA 20124, Lot 5; Tax Map: 0754 02 0106.

Dear Darlene & Glen Goossen,

This certification letter is issued in accordance with § 32.1-163, et seq. of the Code of Virginia and is issued in response to your application for a certification letter submitted pursuant to § 32.1-163.5 of the Code of Virginia. The Code of Virginia allows the Fairfax County Health Department to accept site and soil evaluations as well as designs from an Onsite Soil Evaluator (OSE) or a Professional Engineer (PE) working in consultation with an OSE (OSE/PE). An application received on May 25, 2021 from Curt R. Crouch, PE, License # 0402047045, certified that the footprint shown on the attached surveyed plat complies with the current laws, regulations and policies administered by the Virginia Department of Health (VDH).

A level two site evaluation was performed by this office on January 16, 2003 and concurs with the site plan and location of the profiles submitted as part of the application.

The design submitted by your engineer concludes that the footprint shown on the attached surveyed plat will treat and disperse 1.81 gallons per square foot per day of Treatment Level 3 effluent at 24 inches below the ground surface in the reserve area using pad design for 600 Gallons/day in accordance with the Code of Virginia Chapter 613 Regulations For Alternative Onsite Sewage Systems.

This letter certifies that the Fairfax County Health Department will issue a permit to construct the sewage disposal system as designed when such application can be approved in accordance with all local building codes and regulations provided there has been no substantial physical changes to the footprint area.

Fairfax County Health Department
Division of Environmental Health
10777 Main Street, Suite 100, Fairfax, VA 22030
Phone: 703-246-2201 TTY: 711 Fax: 703-653-9448
www.fairfaxcounty.gov/health

This certification does not expire and shall convey with the title to the property until a construction permit is issued within the approved area. This certification letter and accompanying survey plat showing the footprint's location may be recorded in the Fairfax County land records by the clerk of the circuit court.

In accordance with § 32.1-164.1 of the Code of Virginia, owners can only apply for a sewage disposal construction permit when they are ready to begin construction. The property owner can convert this letter into a construction permit by making application for a building permit to Fairfax County, Department of Public Works and Environmental Services, along with submitting the proper site/grading plans and architectural drawings to the health department for review. No additional state fees shall be charged if this letter is converted to a construction permit within 18 months from the issue date of this letter. If more than 18 months elapse, then the Fairfax County Health Department shall impose any applicable state fees and local fees that may apply.

The footprint shown on the plat is specific and must not be disturbed or encroached upon. This letter is null and void if any substantial physical change in the site or soil conditions occurs where the footprint is shown. This certification letter is null and void if conditions are changed from those shown on your application or if conditions are changed from those certified by S. Michael Lynn License # 1940001108 Alternative Onsite Soil Evaluator. The Fairfax County Health Department may revoke or modify any certification letter if it finds that the site and soil conditions do not substantially comply with the Regulations or if a future sewage disposal system would threaten public health or the environment.

Sincerely,

Eric Hoppis
Environmental Health Specialist II

Reviewed by:

W. Kevin Crisler, MPA, REHS, AOSE
Environmental Health Supervisor

cc: Curt Crouch

encl: Health Department Level II review

Form 2

OSE/PE Report For:

☐ Construction Permit ☐ Repair Permit ☐ Voluntary Upgrade Permit ☑ Certification Letter ☐ Subdivision Approval

Property Location:

911 Address: 7184 Clifton Road City: Clifton

Lot 106 Section _____ Subdivision Clifton Subdivision

GPIN or Tax Map # 075-4-02-0106 Health Dept ID # _____

Latitude _____ Longitude _____

Applicant or Client Mailing Address:

Name: Curt Crouch, P.E

Street: 4995 Crouch Lane

City: Midland State Virginia Zip Code 22728

Prepared by:

OSE Name _____ License # _____

Address _____

City _____ State _____ Zip Code

PE Name Curt R Crouch License # 47045

Address 4995 Crouch Lane

City Midland State Virginia Zip Code 22728

Date of Report 04-09-2021 Date of Revision #1 _____

OSE/PE Job # _____ Date of Revision #2 _____

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

Certification Memorandum

Drainfield Plat

Soil Information/Reports

APPROVED
FAIRFAX COUNTY HEALTH DEPARTMENT
Reserve Refootprint
5.25.21
Date Health Official

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 potential for both conventional and alternative onsite sewage systems has been discussed with the owner/applicant.

☐ 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 _____ Date 4/12/21

Curt R. Crouch, P.E.
4995 Crouch Lane
Midland Virginia 22728
Crouch.curt@gmail.com
540.359.1636

MEMORANDUM

DATE: April 12, 2021

RE: Proposed Sewage Disposal System 7184 Clifton Road Lot 106; Fairfax County Tax Map ID: 075-4-02-0106

The site identified for the proposed sewage absorption areas have been evaluated and verified by Ronald M Robison, C.P.S.S., President, *Virginia Department Professional and Occupational Regulation (DPOR)* Licensed On-Site Evaluator (OSE) #1940-001088 and Fairfax County Health Department staff. Note original drainfield area was evaluated and verified by Robison Environmental, Inc. The OSE's found the site and soil conditions meet the criteria for these systems as specified in the *Virginia Department of Health, Alternative Onsite Sewage System Regulations, The Sewage Handling and Disposal Regulations*, and applicable *VDH Guidance, Memoranda, and Policies (GMP's).*

Data

Peak Design Flow: ..... 600 gpd
AOSE Percolation Rate Original Area: ..... 10 MPI @ 48"
Health Department Approved Percolation Rate Original Area: ..... 10 MPI @ 50" after grade cuts
Design Percolation Rate: ..... 10 MPI @ 50" after grade cuts
Average Slope of Proposed Area: 19%

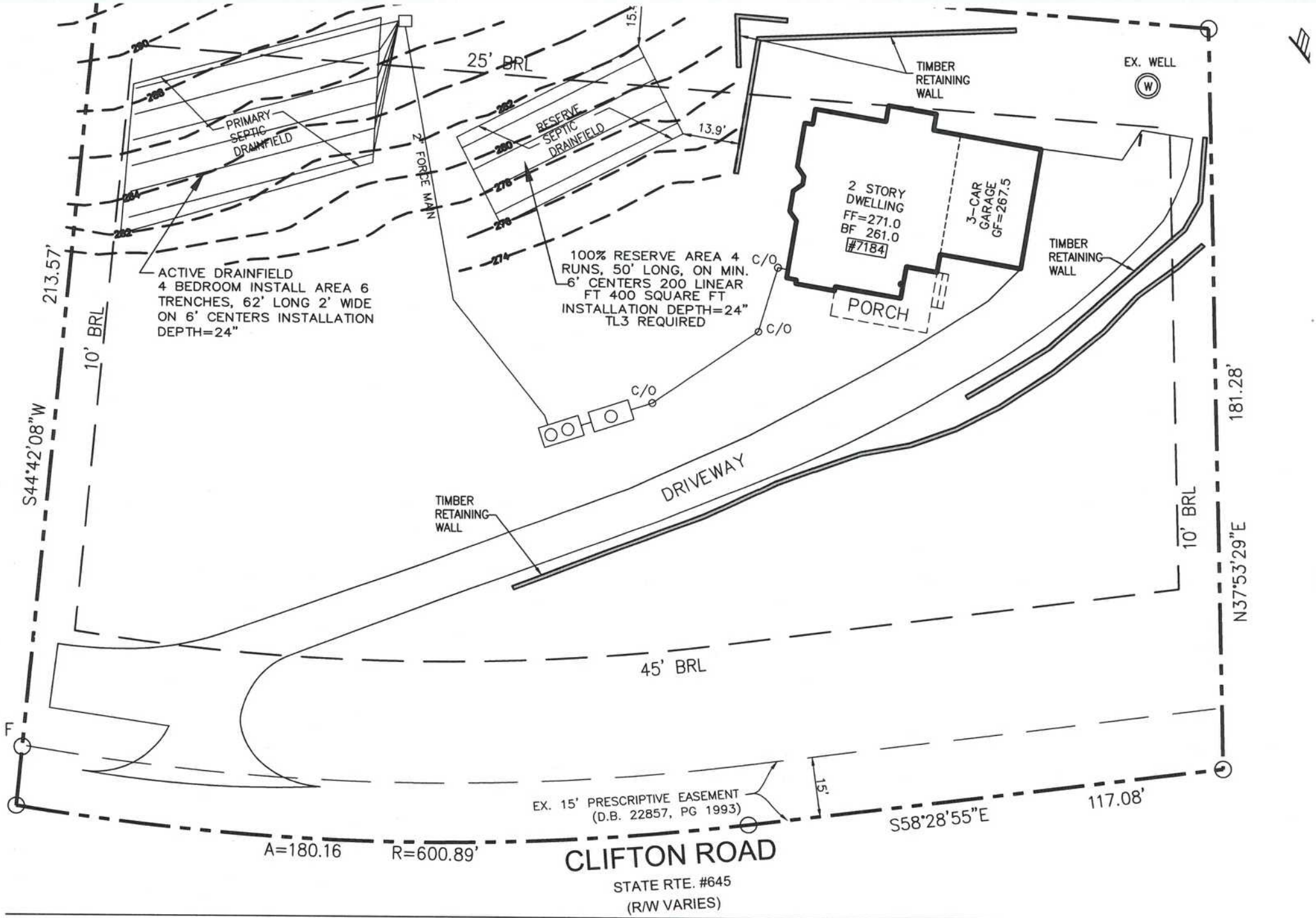
Active Area

Proposed Active Absorption Area: ..... 6 Trenches, 62' long, 2' wide
Minimum Center to Center Spacing: ..... 6'
Total Absorption Area in Design: ..... 744 ft^2
Loading Rate for Primary Absorption Area: ..... (600/744) 0.806 $gal/ft^2/day$
Minimum Proposed Effluent Treatment Level TL1
Proposed Installation Depth: ..... 24"

100% Reserve Area

Proposed Reserve Absorption Area: ..... 4 runs @ 50' ea.
Minimum Center to Center Spacing: ..... 6'
Total Absorption Area in Design: ..... 400 ft^2
Loading Rate for Reserve Absorption Area: ..... (600/400) 1.5 $gal/ft^2/day$
Minimum Proposed Effluent Treatment Level TL3
TL3 Loading Rate per Table 1: ..... 1.81 $gal/ft^2/day$
Proposed Installation Depth: ..... 24"

Based on the information provided to this firm, using TL-3 treatment the active and 100% reserve absorption areas can be designed in the area as shown on the drainfield layout plan provided.



LDS & OTHER POLLUTION SOURCES
ED DRAINFIELD AREA ARE SHOWN TO
BASED ON THE PLAN BY AMA

SCALE
20 10 0 20

DRAINFIELD PLAT
LOT 106
7184 CLIFTON ROAD

CURT

Kobison Environmental, Inc.

Soil Evaluation Form

Commonwealth of Virginia
Department of Health

Cell 703 901 5879

Health Department ID #_____
TAX MAP #75-4-((2))-106

General Information

Date December 2002 — **Fairfax County Health Department**

Applicant Lawter Homes, Inc. — **Telephone:** (703) 830-5542

Address 6491 Trillium House Lane Centreville, Virginia 20120

Owner Same As Above

Address Same As Above

Location of Project 7184 Clifton Road Clifton, Virginia 20124

SUBDIVISION	BLOCK/SECTION	Lot
Clifton	N/A	106

Soil Information Summary

1. **Position in Landscape Satisfactory:** Yes — **DESCRIBE:** Northeast Sloping Side Slope
2. **Slope:** 20%
3. **Depth to Rock/Impervious strata:** Boring #104 had refusal on Schist stringer with hand auger @ 62".
4. **Depth to Seasonal Water Table (gray mottling or gray color):** None Encountered
5. **Free Water Present:** None Encountered
6. **Soil Percolation Rate Estimated:** Yes — **Texture Group:** II
   Estimated Rate: 20-25 Minutes per Inch from 36" to 48"
7. **Percolation Test Performed:** — **Number of Percolation Test Holes:**
   Depth of Percolation Test Holes:
   Average Percolation Rate:

Site 0

Name and Title of Evaluator: ROBISON ENVIRONMENTAL, INC. Ronald M. Robison, C.P.S.S., President

Signature_____

Department Use

Site Approved: Drainfield to be placed at ____ depth at site designated on permit.

Site Disapproved:

Reasons for Rejection:
1.__Position in landscape subject to flooding or periodic saturation.
2.__Insufficient depth of suitable soil over hard rock.
3.__Insufficient depth of suitable soil to seasonal water table.
4.__Rates of absorption too slow.
5.__Insufficient area of acceptable soil for required drainfield, and/or Reserve Area.
6.__Proposed system too close to well.
7.__Other to be Specified:_____

RECEIVED
DEC 20 2002

7184 Clifton Road
Boring Logs
December 16, 2002
Lot 106

Robison Environmental, Inc.

Boring #	Depth	Horizon	Description	Texture Group
#101	0-05"	A	Dark Olive Brown (2.5Y,3/3) L, slightly moist	II
	05-20"	B_t	Yellowish Brown (10YR,5/8) CL, firm, slightly moist	III
	20-32"	BC	Yellowish Brown (10YR,5/6-5/8) channery SiL, s/w heavy, slightly moist	III
	32-60"	C1	Light Olive Brown to Olive Yellow (2.5Y,5/4-5/6-6/6) channery fine SL, loose to s/w dense, soft, friable, dry	II
	60-76"	C2	Yellowish Brown (10YR,5/6-5/8) channery L, denser, dry	III

Estimated Rates of Absorption of 15-20 MPI from 38" to 48".

#102	0-06"	A	Dark Olive Brown (2.5Y,3/3) L, slightly moist	II
	06-22"	B_t	Yellowish Brown (10YR,5/8) CL, firm, slightly moist	III
	22-34"	C1	Yellowish Brown (10YR,5/8) heavy L, with some quartz, friable, slightly moist	II
	34-76"	C2	Mixed Light Olive Brown, Olive Yellow and Light Yellowish Brown (2.5Y,5/4-5/6-6/6-6/4) fine SL to channery fine SL below 54", loose to s/w dense below 54", soft, friable, dry	II

Estimated Rates of Absorption of 10-15 MPI from 38" to 48".

RECEIVED
DEC 20 2002

7184 Clifton Road
Boring Logs
December 16, 2002
Lot 106

Robison Environmental, Inc.

Boring #	Depth	Horizon	Description	Texture Group
#103	0-06"	A	Dark Olive Brown (2.5Y,3/3) L, slightly moist	II
	06-20"	B	Yellowish Brown (10YR,5/6) to Light Olive Brown (2.5Y,5/6) channery SiL, slightly moist	III
	20-50"	C1	Light Olive Brown to Olive Yellow (2.5Y,5/4-5/6-6/6) channery fine SL, loose to s/w dense, with occasional heavy spots, slightly moist to dry	II
	50-76"	C2	Light Olive Brown (2.5Y,5/4-5/6) channery fine SL, denser, friable, dry	

Estimated Rates of Absorption of 25-30 MPI from 30" to 48".

#104	0-04"	A	Dark Olive Brown (2.5Y,3/3) L, slightly moist	II
	04-19"	B	Yellowish Brown (10YR,5/6-5/8) channery SiL, friable, slightly moist	III
	19-52"	C1	Light Olive Brown (2.5Y,5/4-5/6) channery micaceous fine SL, loose to s/w dense, soft, friable, dry	II
	52-62"	C2	Yellowish Brown (10YR,5/6) to Light Olive Brown (2.5Y,5/6) channery L, hard schist, denser, dry	III

Refusal on Schist stringer @ 62".
Estimated Rates of Absorption of 20-25 MPI from 30" to 44".

DEC 20 2002

7184 Clifton Road

Boring Logs
December 16, 2002
Lot 106

Robison Environmental, Inc.

Boring #	Depth	Horizon	Description	Texture Group
#105	0-06"	A	Dark Olive Brown (2.5Y,3/3) L, slightly moist	II
℄	06-17"	B_t	Yellowish Brown (10YR,5/6) to Light Olive Brown (2.5Y,5/4) heavy SiCL, slightly moist	III
	17-28"	BC	Yellowish Brown (10YR,5/6) to Light Olive Brown (2.5Y,5/6) heavy SiL, slightly moist	III
	28-50"	C1	Light Olive Brown (2.5Y,5/4-5/6) channery micaceous fine SL, loose, soft, friable, slightly moist to dry	II
	50-76"	C2	Yellowish Brown (10YR,5/8) to Light Olive Brown (2.5Y,5/6) channery SL, denser, friable, dry	II

Estimated Rates of Absorption of 20-25 MPI from 36" to 48".

7184 Clifton Road
Additional Boring Logs
January 17, 2003
Lot 106

Robison Environmental, Inc.

Boring #	Depth	Horizon	Description	Texture Group
#106	0-04"	A	Dark Olive Brown (2.5Y,3/3) L, slightly moist	II
	04-19"	B_t	Yellowish Brown (10YR,5/8) heavy SiCL, slightly moist	III
	19-35"	C1	Yellowish Brown (10YR,5/8) SiL, friable, slightly moist	III
	35-76"	C2	Mixed Light Olive Brown, Olive Yellow (2.5Y,5/4-5/6-6/6) and Yellowish Brown (10YR,5/6) fine SL, with occasional s/w dense schist channery below 56", loose, soft, friable, dry	II

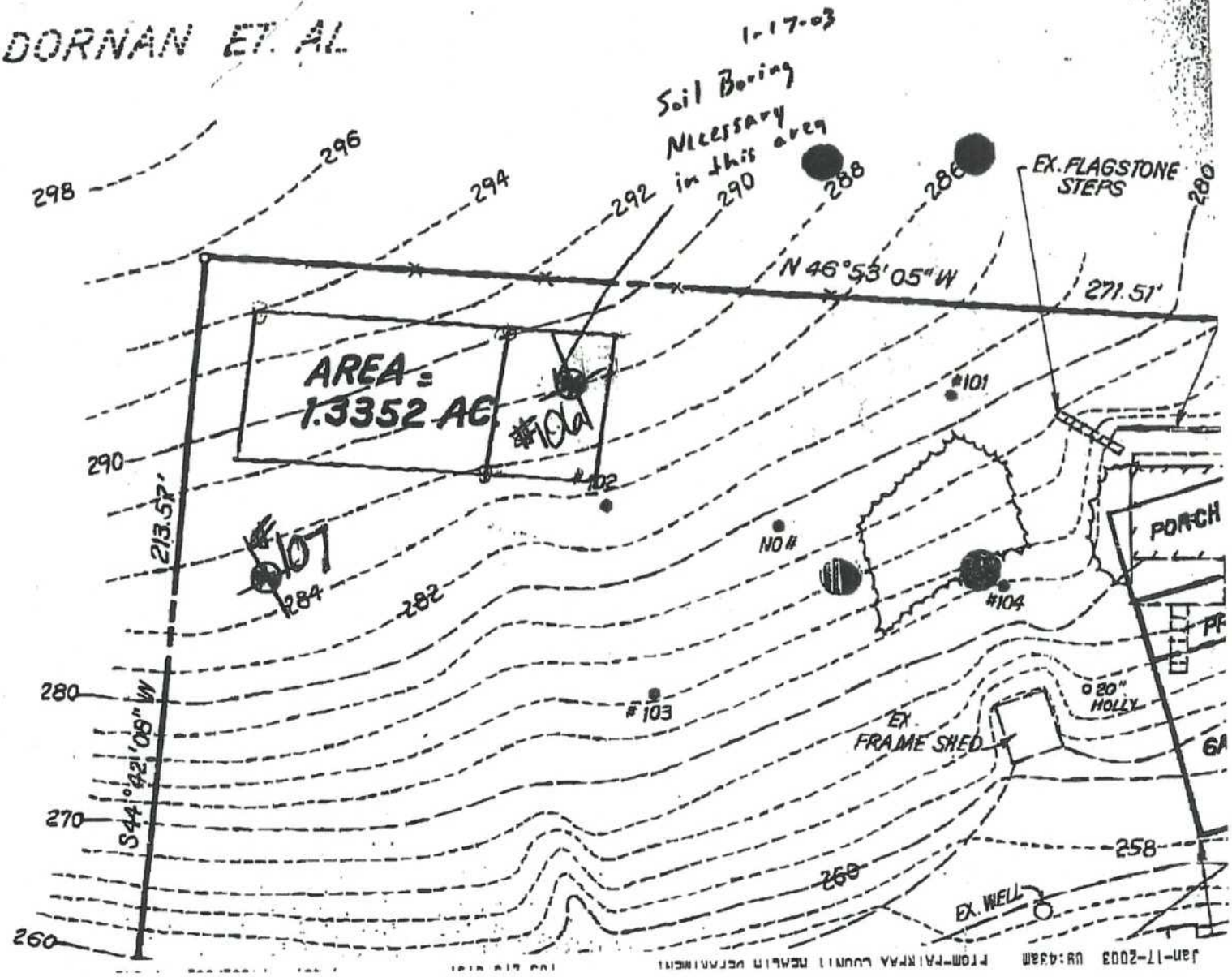
Estimated Rates of Absorption of 10-15 MPI from 40" to 48".

#107	0-04"	A	Dark Olive Brown (2.5Y,3/3) L, slightly moist	II
	04-20"	B	Yellowish Brown (10YR,5/8) heavy L to SiL, slightly moist	II-III
	20-50"	C1	Light Olive Brown (2.5Y,5/4-5/6) to Yellowish Brown (10YR,5/6) channery SL, loose to s/w dense, friable, dry	II
	50-76"	C2	Light Olive Brown to Light Yellowish Brown (2.5Y,5/4-6/4) channery L, denser more poorly weathered schist than above, dry	III

Estimated Rates of Absorption of 20-25 MPI from 30" to 48".

DORNAN ET. AL

1-17-03



Jan-17-2003 08:43am FROM-FAIRFAX COUNTY REGRIN DEPARTMENT

Joshi, Janice

From: HD ehd
Sent: Tuesday, May 25, 2021 10:47 AM
To: Joshi, Janice
Subject: FW: 7184 Clifton Road Cert Letter and Application
Attachments: 7184 Clifton Rd Cert Letter.pdf; onsite-well-septic-permit-application.pdf

From: Curt Crouch <crouch.curt@gmail.com>
Sent: Tuesday, May 25, 2021 8:43 AM
To: Hoppis, Eric M. <Eric.Hoppis@fairfaxcounty.gov>; HD ehd <HDehd@fairfaxcounty.gov>
Subject: 7184 Clifton Road Cert Letter and Application

Attached is the updated Application and Certification Letter for the revised reserve drainfield for the property located at 7184 Clifton Road. If you have any questions please do not hesitate to contact me at 540-359-1636.
Thanks
Curt Crouch, P.E.