

January 27, 2025

Tyler Machia Zoning Administrator Town of Richmond P.O. Box 285 Richmond, VT 05477

Re: Infrastructure Certification Planned Unit Development 112 East Main St. Richmond, VT 05477

Dear Tyler,

Please find attached the following in conjunction with the Planned Unit Development project located at 112 East Main St. in Richmond, VT –

- Related Forcemain Pressure & Leakage Test performed on 5/22/2024.
- Related Grinder Pump Station Water Test performed on 5/22/2024.
- Plan sheet C1.0 Proposed Conditions Site Plan Revised 9/3/2024.
- Installation Certification for State Permit WW-4-6009

The municipal water and sewer connections were performed in coordination with the Town of Richmond Public Works Department and their related specifications. Additionally, the municipal water and sewer service systems were constructed, tested and certified in conjunction with the current State of Vermont Wastewater System and Potable Water Supply Rules.

Based on the results of these tests, along with the site inspections performed by Catamount Consulting Engineers, PLLC (CCE) during the utility and infrastructure construction over the summer of 2024, we hereby certify that all of the proposed public and private infrastructure related to this project was constructed in general compliance with the Town of Richmond Subdivision Regulations and other standards established by the Town of Richmond. Including the Town Zoning Regulations and Public Work Standards. If upon review of this certification and associated plans and attachments, you have any questions or concerns, please feel free to contact me.

Sincerely,

Jeff

Jeffrey Olesky, P.E.

Cc: Matt Parisi, Owner (via email) CCE File #23037



Pressure & Leakage Test Report					
Date:	5/22/24	Project: <u>7</u>	avisi-Rich	Mund #2303	7
Contractor:	Pavisi	Project Loc	cation: <u>112</u>	E. Main St., F	Zichmond, VT
Persons Pres	sent: Matt	Pavisi, Jeff	Olesicy	(CCE)	
		Test Dat	ta		
Section Test	ed: <u>I100 L</u>	F of Z"SCH	to PVC	Forcemain	
Testing Equi	ipment: <u>Nat</u>	er pump, pres	ssure ga	uge, fitting:	<u>S</u>
Test Pressur	re: <u>50</u>	PSI			
Allowable L	eakage/Hour, Si	maller of: $L = L = L$	S*D*(P^0.5 N*D*(P^0.5	-	
Where:	S = pipe length N = number of p D = nominal pipe		L	= 100(2) F	50 = 0.01 gal

Calculated Allowable Leakage (gallons/hour):

Time	Initial Pressure (psi)	New Pressure (psi)	Water Added (Oz.)
1:15 pm	50	-	-
2:20pm	_	50	-
3:15pm	-	50	-

Leakage Rate Over Test Period (gallons/hour):

Result: pass or fail

Engineer's Acceptance:



Concrete Structure Test Report

Stril24 to Date: 5/22/24 Project: Pavisi - Richmond # 23037 Contractor: Pavisi Project Location: IRE. Main St., Richmond, VT Persons Present: Matt. Pavisi, Jeff. Olesky (CCE)					
Structure Type: <u>Conc. Ginder Pamp Station</u> Structure #:					
	<u>tart</u> <u>• 0 0</u> • • • • • • • • • • • • • • • • • • •	<u>Stop</u> 24:00 Result: Pass or Fail	<u>Change</u> 24 hr.		

<u>LEGEND</u>

— — — 985 — — —	EXISTING CONTOUR
985	PROPOSED CONTOUR
	APPROXIMATE PROPERTY LINE
· ·	APPROXIMATE SETBACK LINE
<u> </u>	APPROXIMATE EASEMENT LINE
— — SS — —	APPROXIMATE GRAVITY SEWER LINE
—— FM ———	APPROXIMATE SEWER FORCE MAIN
— — ST —	APPROXIMATE STORM DRAINAGE LINE
W	APPROXIMATE WATER LINE
— — OETC — —	APPROXIMATE OVERHEAD ELEC./TEL./COM. LINE
— — UETC — — —	APPROXIMATE UNDERGROUND ELEC./TEL./COM. LINE
G	APPROXIMATE GAS LINE
o o	WOODEN FENCE
_ · · •	DRAINAGE SWALE/DITCH
	APPROXIMATE 100 YEAR FLOODPLAIN
$\bigcirc \bigcirc $	APPROXIMATE EDGE OF WOODS
	DECIDUOUS TREE
	CONIFEROUS TREE
	SHRUB/PLANTING
S	SEWER MANHOLE
\bigcirc	DRAINAGE MANHOLE
	DRAINAGE CATCH BASIN
=0=	HYDRANT
8	WATER VALVE
(DRILLED WELL
Ø	POWER POLE
-O-	GUY WIRE
	LIGHT POLE
- <u>o</u> -	SIGN POST
	TEST PIT
PT	PERCOLATION TEST
©/●	IRON PIPE/ROD FOUND/SET
	CONCRETE MONUMENT FOUND/SET
+	PROJECT BENCHMARK

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

<u>GENERAL NOTES</u>

1) UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SITE SHOWN. EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONTACT DIGSAFE (888–344–7233) PRIOR TO CONSTRUCTION, FIELD VERIFY ALL UTILITY CONFLICTS AND REPORT THEM TO THE DESIGNER. ANY EXISTING UTILITIES NOT INCORPORATED INTO THE FINAL DESIGN SHALL BE REMOVED OR ABANDONED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

2) THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK AND SHALL COORDINATE ALL REQUIRED INSPECTIONS.

3) THE CONTRACTOR IS RESPONSIBLE FOR SAFE CONSTRUCTION OPERATIONS AND SHALL CONFORM TO ALL APPLICABLE REGULATIONS FOR SITE SAFETY.

4) THE CONTRACTOR SHALL NOTIFY THE DESIGNER OF ANY SITE CONDITIONS NOT REPRESENTED ON THE PLANS THAT INFLUENCE THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

6) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY FOR COMPLETE AND OPERABLE FACILITIES AND UTILITIES.

7) COORDINATES SHOWN ARE BASED UPON AN ASSUMED DATUM. ORIENTATION IS BASED UPON THE SURVEY PLAT REFERENCED IN NOTE 8 BELOW.

8) PROPERTY LINE INFORMATION BASED UPON A PLAT ENTITLED "PROPOSED P.U.D. OF LANDS OF KNOWLES & PARISI – 112 EAST MAIN STREET - RICHMOND, VERMONT", DATED AUGUST, 2024, PREPARED BY VERMONT MAPPING & SURVEY CO., LLC. AND RECORDED IN MAPSLIDE _____ OF THE TOWN OF RICHMOND LAND RECORDS. MONUMENTATION FOUND WAS CONSISTENT WITH THE RECORDED PLAT. THE PROPERTY LINES, EASEMENTS, AND OTHER REAL PROPERTY DESCRIPTIONS PROVIDED IN THIS PERMIT APPLICATION ARE FOR PERMITTING PURPOSES ONLY. THEY DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN 26 V.S.A. & 2502(4), AND SHALL NOT BE USED IN LIEU OF A SURVEY AS THE BASIS OF ANY LAND TRANSFER OR ESTABLISHMENT OF ANY PROPERTY RIGHTS. THIS IS NOT A BOUNDARY SURVEY AND IS NOT INTENDED TO BE USED AS ONE.

ZONING REQUIREMENTS

OVERLAY DISTRICTS – NONE

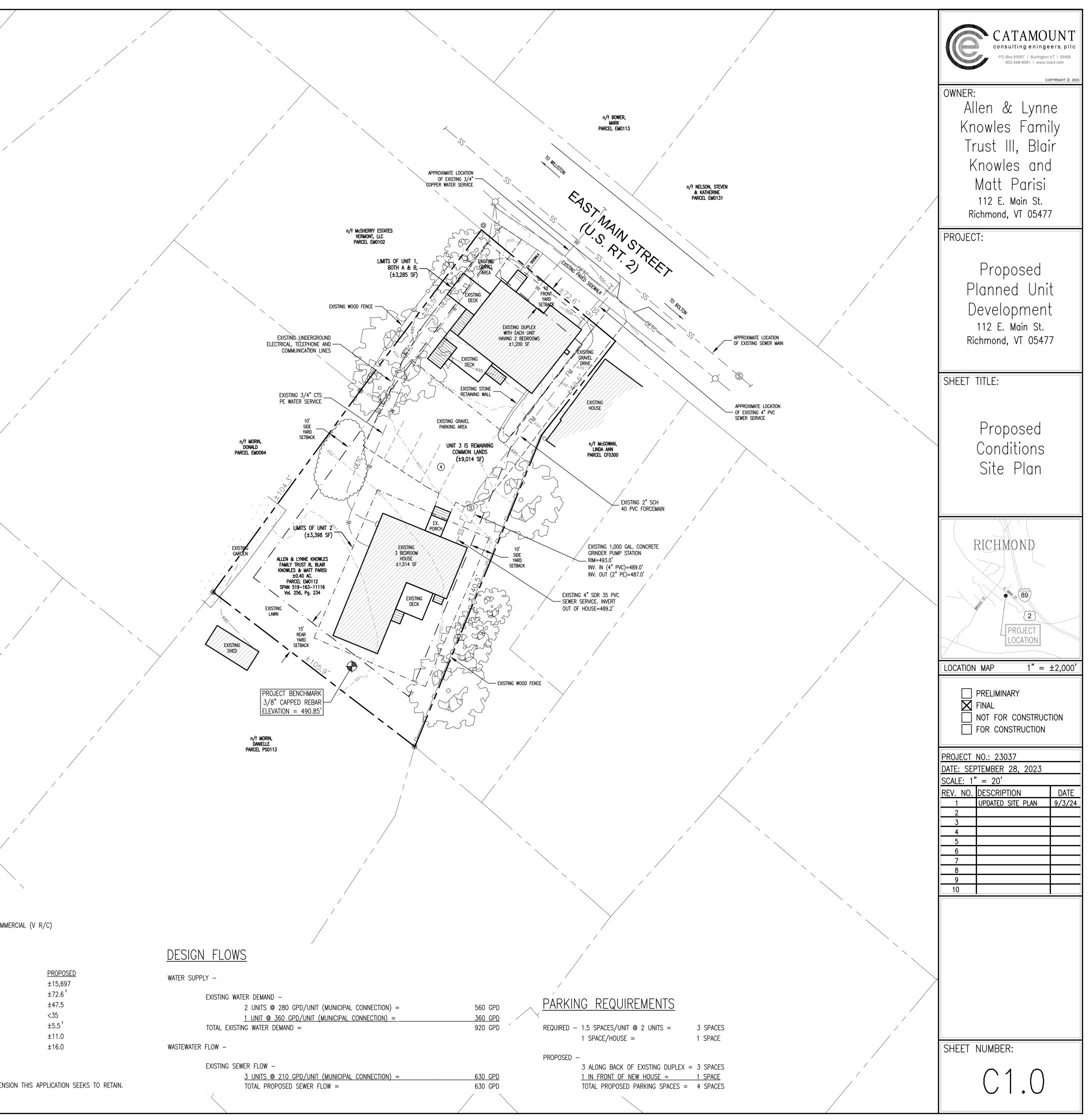
ZONING DISTRICT – VILLAGE RESIDENTIAL/COMMERCIAL (V R/C)

DIMENSIONAL REQUIREMENTS -

	REQUIRED
OT SIZE (SF) –	10,000
IIN. LOT FRONTAGE (FT.) –	75
IAX. LOT COVERAGE (%) –	60
IAX. BUILDING HEIGHT (FT.) –	35
RONT YARD SETBACK (FT.) –	10
IDE YARD SETBACK (FT.) –	10
EAR YARD SETBACK (FT.) –	15

NOTES:

1. REPRESENTS EXISTING, NON-CONFORMING DIMENSION THIS APPLICATION SEEKS TO RETAIN.





State of Vermont Department of Environmental Conservation Agency of Natural Resources Drinking Water and Groundwater Protection Division

WASTEWATER SYSTEM AND POTABLE WATER SUPPLY INSTALLATION CERTIFICATION

LAWS/REGULATIONS INVOLVED

10 V.S.A. Chapter 64, Potable Water Supply and Wastewater System Permit Wastewater System and Potable Water Supply Rules, Effective November 06, 2023

System Identification

Permit Number: WW-4-6009 Lot Number: 1

Certification

I hereby certify that, in the exercise of my reasonable professional judgement, the installation-related information submitted is true and correct and that the potable water supply and wastewater system were installed in accordance with the permitted design and all the permit conditions, were inspected, were properly tested, and have successfully met those performance tests.

This document was digitally signed by Jeffrey Olesky, Designer, on 6/12/2024 3:07:19 PM through the submission of ANROnline Installation Certification Form.

This certification is based on an inspection of the related systems on 05/22/2024.

Required Information for Town Records

Parcel ID: EM0112

SPAN: 519-163-11116

Town: Richmond

Landowner's Name(s): Matthew Parisi & Blair knowles

911 Address: 112 E. Main St., Richmond, VT 05477

Place Town Recording Stamp Here