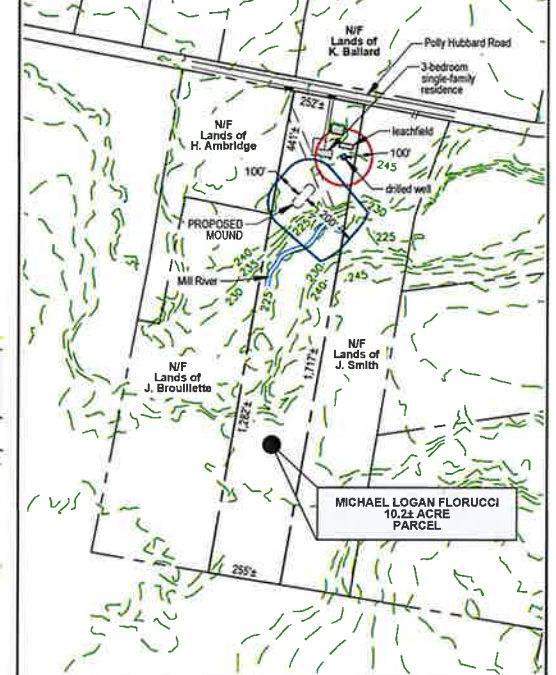
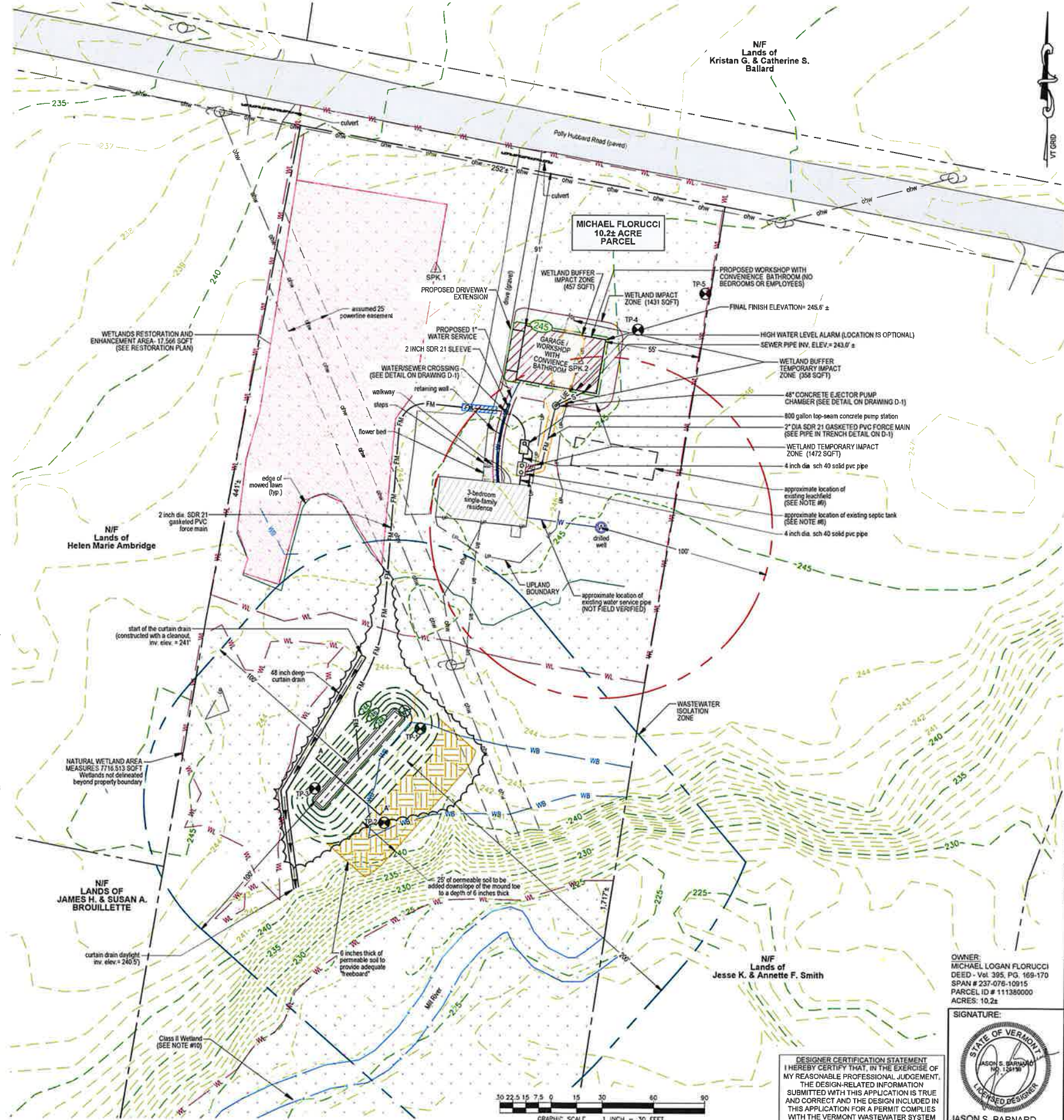




Project Location Map  
Not to Scale

WETLAND IMPACT CALCULATIONS		
	WETLAND IMPACT (SF)	WETLAND BUFFER IMPACT (SF)
TOTAL	2903	815
PERMANENT	1431	457
TEMPORARY	1472	358

- PROJECT NOTES:**
- THIS IS NOT A BOUNDARY SURVEY AND DOES NOT MEET THE LEGAL REQUIREMENTS OF A BOUNDARY SURVEY AS DESCRIBED IN 27 V.S.A. § 1403. PROJECT PERIMETER LINES ARE BASED ON GEORGIA TAX MAPS SHOWN ON THE AGENCY OF NATURAL RESOURCES (ANR) ENVIRONMENTAL INTEREST LOCATOR AND EVIDENCE FOUND DURING THE DECEMBER 2023 TOPOGRAPHIC SURVEY. NO WARRANTY IS MADE TO THE ACCURACY OF THE BOUNDARY LINES SHOWN HEREON.
  - THE LOCATIONS OF EXISTING PHYSICAL FEATURES ON THIS PLAN ARE BASED ON A TOPOGRAPHIC SURVEY COMPLETED BY BARNARD AND GERVAIS, LLC IN DECEMBER 2023.
  - THE ELEVATIONS ON THIS PLAN WITHIN THE DASHED BOUNDARIES SHOWN ARE 1-FOOT CONTOURS BASED ON NAVD83 (GEOID 12B) ESTABLISHED FROM SURVEY GRADE GNSS READINGS COLLECTED WITH TRIMBLE R12 AND TRIMBLE R780 GNSS RECEIVERS ADJUSTED TO VERMONT GRID ON RANDOM CONTROL POINTS USING REAL TIME KINEMATIC CORRECTIONS FROM A VIRTUAL REFERENCE STATION OF THE VT CORS NETWORK. THE ELEVATIONS ON THIS PLAN OUTSIDE THE DASHED BOUNDARIES SHOWN ARE 1-FOOT LIDAR CONTOURS OBTAINED FROM THE STATE OF VERMONT VOGI OPEN DATA PORTAL DATABASE.
  - FOR CLARITY, TEXT IDENTIFYING EXISTING ITEMS IS LOWER CASE. TEXT IDENTIFYING PROPOSED ITEMS IS UPPER CASE.
  - NO ATTEMPT HAS BEEN MADE TO LOCATE ANY UNDERGROUND UTILITIES BY BARNARD AND GERVAIS, LLC. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTRACTING DIG SAFE TO HAVE ANY UNDERGROUND UTILITIES MARKED PRIOR TO ANY EXCAVATION OR SITE WORK. THE CONTRACTOR SHALL NOTIFY THE DIG SAFE NETWORK AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
  - THE REPLACEMENT MOUND SYSTEM IS CONSIDERED A "BEST FIX" AND HAS BEEN DESIGNED IN REASONABLE CONFORMANCE WITH THE STATE OF VERMONT, AGENCY OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, "WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES" EFFECTIVE NOVEMBER 6, 2023.
  - IN ACCORDANCE WITH SUBSECTION 1-802 OF THE STATE OF VERMONT, ENVIRONMENTAL PROTECTION RULES (EPR) CHAPTER 1, EFFECTIVE NOVEMBER 6, 2023 A VARIANCE IS BEING REQUESTED TO INSTALL THE REPLACEMENT WASTEWATER DISPOSAL SYSTEM. A VARIANCE IS BEING REQUESTED AS A RESULT OF THE FOLLOWING SITE CONDITIONS:  
  
7A. BASED ON THE HYDROGEOLOGIC EFFLUENT MOUNDING ANALYSIS THAT WAS PERFORMED, THE EFFLUENT PLUME WILL BE MAINTAINED BELOW GROUND SURFACE UNDER NORMAL OPERATING CONDITIONS AND SEASONAL HIGH GROUNDWATER CONDITIONS. HOWEVER, EFFLUENT MOUNDING WILL OCCUR WITHIN 6 INCHES OF THE GROUND SURFACE. TO COMPENSATE FOR THAT AN ADDITIONAL 6 INCHES OF PERMEABLE SOIL IS BEING PROPOSED THAT EXTENDS 25 FEET DOWNSLOPE OF THE MOUND TO PROVIDE ADEQUATE "FREEBOARD".
  - THE EXISTING CONCRETE SEPTIC TANK SHALL BE PUMPED OUT, INSPECTED AND CONFIRMED TO BE 1,000 GALLONS IN SIZE. IF THE TANK IS WATER-TIGHT, IT CAN BE REUSED AS PART OF THE REPLACEMENT SYSTEM. IF THE TANK IS REUSED, IT SHALL BE RETROFITTED WITH A POLYLOCK PL-122 EFFLUENT FILTER OR APPROVED EQUAL. THE FILTER ACCESS IS REQUIRED TO BE COMPLETED FLUSH WITH THE FINISH GRADE AND IT IS RECOMMENDED THAT THE PUMP OUT COVER BE FITTED WITH RISERS AND COMPLETED FLUSH WITH THE FINISH GRADE. IF THE EXISTING SEPTIC TANK IS IN POOR CONDITION OR IS NOT WATER-TIGHT, IT SHALL BE REMOVED AND REPLACED WITH A NEW 1,000 GALLON CONCRETE SEPTIC TANK WITH APPROVED EFFLUENT FILTER.
  - THE EXISTING LEACHFIELD WAS NOT FIELD VERIFIED. THE SYSTEM SHALL BE ABANDONED IN-PLACE. THE EXISTING DISTRIBUTION BOX SHALL BE LOCATED, PUMPED OUT, COLLAPSED AND FILLED WITH A GRANULAR MATERIAL. ALL WASTEWATER PIPING ENCOUNTERED DURING THE WORK SHALL BE CUT AND CAPPED.
  - WETLANDS SHOWN HEREON HAVE BEEN DELINEATED BY BARNARD AND GERVAIS, LLC AND VISITED BY DISTRICT WETLANDS ECOLOGIST KRISTAL T. SEWELL, IN ORDER TO CONSTRUCT THE REPLACEMENT SYSTEM AT THE PROPOSED LOCATION. A WETLANDS PERMIT IS BEING APPLIED FOR THROUGH THE STATE OF VERMONT WETLANDS DIVISION.
  - BARNARD & GERVAIS, LLC IS NOT RESPONSIBLE FOR ANY ASPECTS OF HEALTH AND SAFETY ASSOCIATED WITH THIS PROJECT.
  - ALL EXCAVATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STATE OF VERMONT, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) GUIDELINES FOR TRENCH EXCAVATIONS.
  - THE CONTRACTOR AND/OR LANDOWNER SHALL ADHERE TO THE GUIDELINES SET FORTH IN THE STATE OF VERMONT EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION SITES. IT IS THE RESPONSIBILITY OF THE LANDOWNER OR SITE CONTRACTOR TO ENSURE THESE GUIDELINES ARE FOLLOWED AND EROSION/SEDIMENT CONTROL MEASURES ARE MAINTAINED THROUGHOUT THE COURSE OF THE PROJECT.



OVERALL SITE SKETCH  
GRAPHIC SCALE 1 INCH = 300 FEET

- LEGEND**
- BOUNDARY LINE/R.O.W. (EXISTING)
  - BOUNDARY LINE/R.O.W. (ABUTTING)
  - 1-FOOT LIDAR CONTOUR (OBTAINED FROM VOGI DATABASE)
  - 1-FOOT GROUND SURVEY CONTOUR
  - FINISH GRADE
  - ZONING SETBACKS
  - TREE LINE
  - PROPOSED LIMITS OF CLEARING
  - STONE WALL (EXISTING)
  - DITCHLINE
  - GRAVITY SEWER (EXISTING)
  - GRAVITY SEWER (PROPOSED)
  - FORCE MAIN
  - 1-INCH DIAMETER CL200 POLYETHYLENE PLASTIC WATER LINE (UNLESS OTHERWISE NOTED)
  - WELL ISOLATION
  - WASTEWATER ISOLATION
  - WETLAND BOUNDARY
  - WETLAND BUFFER
  - WETLAND IMPACT
  - WETLAND BUFFER IMPACT
  - WETLANDS RESTORATION AREA
  - UNDERGROUND ELECTRICAL CONDUIT
  - UNDERGROUND GAS LINE
  - UNDERGROUND TELEPHONE LINE
  - UTILITY POLE/OVERHEAD WIRES
  - SURVEY TRAVERSE STATION
  - TEMPORARY BENCHMARK (TYPE AND ELEVATION NOTED)
  - TEST PIT (TP-01)
  - DRILLED WELL (UNLESS OTHERWISE NOTED)

DATE	DESCRIPTION	BY
10-21-2024	PROPOSED ACCESSORY BUILDING & DRIVEWAY WITH WETLANDS IMPACTS AND TABLE	DT
4-4-2024	RELOCATED CURTAIN DRAIN AND ADDED WETLAND TABLE	SL/DT
3-29-2024	WETLAND DELINEATION BOUNDARY ADDED	SL/DT
02-09-2024	REVISED DOWNSLOPE MOUND GRADING TO 4 ON 1	CS

**BARNARD & GERVAIS, LLC**  
Land Surveying  
Water & Wastewater  
Environmental Consulting  
167 Main Street, P.O. Box 620  
Enosburg Falls, VT 05450  
Telephone: (802) 933-5156

10523 VT Route 116, P.O. Box 133  
Hinesburg, VT 05461  
Telephone: (802) 482-2597

**REPLACEMENT WASTEWATER DISPOSAL SYSTEM DESIGN**

**MICHAEL LOGAN FLORUCCI**  
1093 POLLY HUBBARD ROAD, GEORGIA, VERMONT

**SITE PLAN**

THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:  
☐ PRELIMINARY DRAFT ☒ FINAL STATE REVIEW

**REVISIONS**

DATE	DESCRIPTION	BY
10-21-2024	PROPOSED ACCESSORY BUILDING & DRIVEWAY WITH WETLANDS IMPACTS AND TABLE	DT
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**OWNER:**  
MICHAEL LOGAN FLORUCCI  
DEED - Vol. 385, PG. 169-170  
SPAN # 237-076-10915  
PARCEL ID # 111380000  
ACRES: 10.22

**SIGNATURE:**

**DESIGNER CERTIFICATION STATEMENT**  
I HEREBY CERTIFY THAT, IN THE EXERCISE OF MY REASONABLE PROFESSIONAL JUDGEMENT, THE DESIGN-RELATED INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT AND THE DESIGN INCLUDED IN THIS APPLICATION FOR A PERMIT COMPLIES WITH THE VERMONT WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES.

**PROJECT NO.**  
23388

**DATE:**  
01-31-2024

**SCALE:**  
1" = 30'

**SURVEY:**  
JG, TG

**DRAWN:**  
JG, CS, DT

**CHECKED:**  
JB

**DRAWING NO.**  
S-1

**SHEET 1 OF 2**