

Project Location Map  
Not to Scale

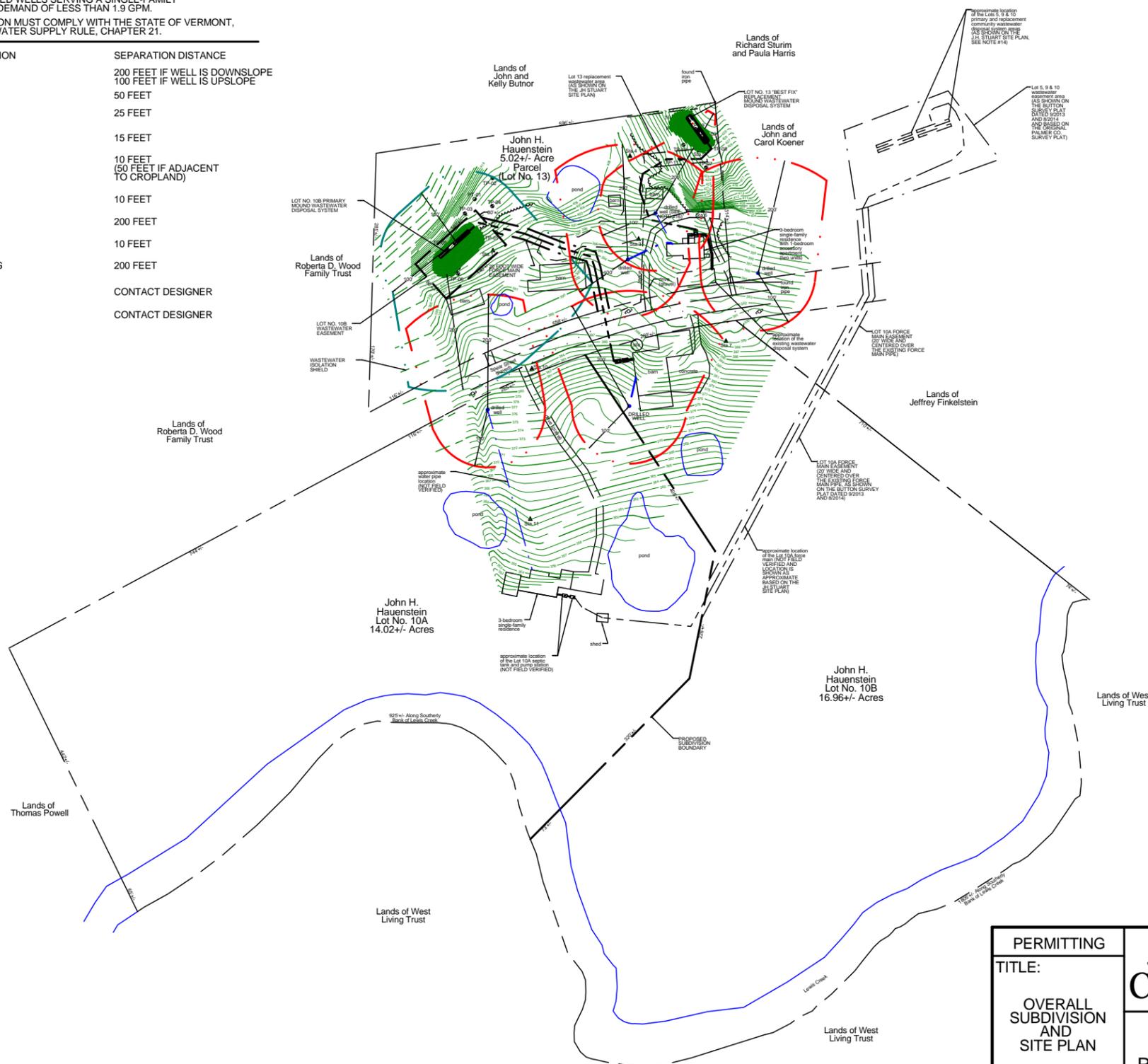
DRILLED WELL REQUIRED MINIMUM ISOLATION DISTANCES

1. THESE DISTANCES APPLY TO DRILLED WELLS SERVING A SINGLE-FAMILY RESIDENCE, WITH A MAXIMUM DAILY DEMAND OF LESS THAN 1.9 GPM.
2. WELL LOCATION AND CONSTRUCTION MUST COMPLY WITH THE STATE OF VERMONT, AGENCY OF NATURAL RESOURCES, WATER SUPPLY RULE, CHAPTER 21.

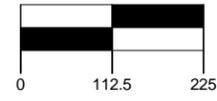
| POTENTIAL SOURCE OF CONTAMINATION                                    | SEPARATION DISTANCE  |
|--|--|
| SEWAGE DISPOSAL FIELD WITH FLOWS <2000 GPD                           | 200 FEET IF WELL IS DOWNSLOPE<br>100 FEET IF WELL IS UPSLOPE |
| SUBSURFACE WASTEWATER PIPING   | 50 FEET  |
| EDGE OF ROADWAY OR PARKING LOT                                       | 25 FEET  |
| EDGE OF RESIDENTIAL DRIVE SERVING 3 RESIDENCES OR LESS               | 15 FEET  |
| PROPERTY LINE  | 10 FEET<br>(50 FEET IF ADJACENT TO CROPLAND)                 |
| BUILDINGS  | 10 FEET  |
| LIMIT OF HERBICIDE APPLICATION ON UTILITY RIGHT-OF-WAY SURFACE WATER | 200 FEET<br>10 FEET  |
| CONCENTRATED LIVESTOCK HOLDING AREAS AND MANURE STORAGE              | 200 FEET   |
| HAZARDOUS OR SOLID WASTE DISPOSAL SITE                               | CONTACT DESIGNER   |
| NON-SEWAGE WASTEWATER DISPOSAL FIELDS                                | CONTACT DESIGNER   |

PROJECT NOTES

1. THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY CONDUCTED BY JASON BARNARD CONSULTING, LLC WITH A NIKON NPL-522 THREE SECOND TOTAL STATION ON JULY 10, 2014.
2. ELEVATIONS ARE BASED ON AN ASSUMED ELEVATION OF 400.00' AT STATION NO. 1.
3. THIS IS NOT A BOUNDARY SURVEY.
4. FOR CLARITY, TEXT NOTING EXISTING ITEMS ARE LOWER CASE, AND TEXT NOTING PROPOSED ITEMS ARE UPPER CASE.
5. THE PROPERTY BOUNDARIES ARE BASED ON A BUTTON PROFESSIONAL LAND SURVEYORS, P.C. PRELIMINARY SURVEY PLAT, INFORMATION PROVIDED BY THE PROPERTY OWNER AND PHYSICAL EVIDENCE FOUND DURING THE JULY 10, 2014 TOPOGRAPHIC SURVEY. NO WARRANTY IS MADE TO THE ACCURACY OF THE BOUNDARY LINES SHOWN HEREON.
6. THE LOT NO. 10B PRIMARY MOUND WASTEWATER DISPOSAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE STATE OF VERMONT, AGENCY OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, "WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES" EFFECTIVE SEPTEMBER 29, 2007.
7. THE LOT NO. 13 (5.02+/- ACRE PARCEL) REPLACEMENT WASTEWATER SYSTEM IS CONSIDERED A "BEST FIX" AND THE MOUND SYSTEM 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 SEPTEMBER 29, 2007.
8. IN ACCORDANCE WITH SUBSECTION 1-806 OF THE STATE OF VERMONT, ENVIRONMENTAL PROTECTION RULES (EPR), CHAPTER 1 A VARIANCE IS BEING REQUESTED TO INSTALL THE LOT NO. 13 "BEST FIX" REPLACEMENT WASTEWATER DISPOSAL SYSTEM. A VARIANCE IS BEING REQUESTED AS A RESULT OF THE FOLLOWING SITE CONDITIONS:  
8B. THE PROPOSED REPLACEMENT WASTEWATER DISPOSAL SYSTEM IS LOCATED WITHIN 10 FEET OF THE EXISTING PROPERTY BOUNDARY. THE PROPOSED REPLACEMENT WASTEWATER SYSTEM IS LOCATED ON A PORTION OF THE 5.02+/- ACRE PARCEL WHERE THE SOILS ARE CONDUCTIVE TO WASTEWATER DISPOSAL.
9. THE LOT NO. 10A WASTEWATER DISPOSAL SYSTEM WAS DESIGNED BY J.H. STUART AND IS LOCATED ON LOT NO. 14 OF THE FORMER LEWIS CREEK FARMS SUBDIVISION. BASED ON DISCUSSIONS WITH CURRENT LANDOWNER, THE LOT NO. 10A WASTEWATER SYSTEM IS PROPERLY FUNCTIONING (NOT SURFACING OR BACKING UP) AND A REPLACEMENT AREA HAS BEEN IDENTIFIED. THE LOT NO. 10A WASTEWATER DISPOSAL SYSTEM WAS DESIGNED AND INSTALLED BY OTHERS AND THEREFORE JASON BARNARD CONSULTING, LLC ASSUMES NO FUTURE LIABILITY WITH REGARDS TO THE LOT NO. 10A WASTEWATER SYSTEM. SINCE A REPLACEMENT AREA HAS ALREADY BEEN IDENTIFIED FOR LOT NO. 10A, NO WORK HAS BEEN COMPLETED RELATIVE TO THE LOT NO. 10A PRIMARY OR REPLACEMENT WASTEWATER DISPOSAL SYSTEMS.
10. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND HAVE NOT BEEN FIELD VERIFIED.
11. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DIG SAFE NETWORK AT LEAST 48-HOURS IN ADVANCE OF PERFORMING ANY WORK AT THE SITE.
12. THE CONTRACTOR SHALL ADHERE TO VERMONT OCCUPATIONAL HEALTH AND SAFETY AGENCY (VOSH) GUIDELINES FOR EXCAVATING AND TRENCH EXCAVATION WORK.
13. JASON BARNARD CONSULTING, LLC IS NOT RESPONSIBLE FOR ANY ASPECTS OF HEALTH AND SAFETY ASSOCIATED WITH THIS PROJECT.
14. THE PROPERTY OWNER AND GENERAL CONTRACTOR SHALL REVIEW AND ADHERE TO ALL APPLICABLE ZONING SETBACKS PRIOR TO CONSTRUCTION OF ANY STRUCTURES ON THE SUBJECT PROPERTIES.
15. A FORMAL WETLAND DELINEATION HAS NOT BEEN COMPLETED AS PART OF THIS PROJECT. JASON BARNARD CONSULTING, LLC ARE NOT WETLAND ECOLOGISTS AND THEREFORE DO NOT WARRANT THE PRESENCE OR ABSENCE OF WETLANDS AT THE SUBJECT PROPERTY. BASED ON VERBAL INFORMATION PROVIDED BY THE LANDOWNER, STATE OF VERMONT WETLANDS DIVISION PERSONNEL CONDUCTED A SITE VISIT AND THE EXISTING PONDS ARE NOT CONSIDERED CLASS II WETLANDS.
16. ONCE THE REPLACEMENT MOUND SYSTEM HAS BEEN CONSTRUCTED AND BEFORE IT IS IN USE, THE DRILLED WELL THAT CURRENTLY SERVES THE RESIDENTIAL STRUCTURE ON THE 5.02+/- ACRE PARCEL (LOT 13) SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH SECTION 12.3.5 OF THE STATE OF VERMONT WATER SUPPLY RULE (WSR).



Graphic Scale: 1 inch = 225 feet



LEGEND

|     |   |
|-----|---|
| --- | Boundary Line/ROW                               |
| --- | Edge of Road (surface labeled)                  |
| --- | Edge of Drive (surface labeled)                 |
| --- | 1 Foot Ground Surface Contour                   |
| --- | Finish Grade                                    |
| --- | Interpolated Ground Contour                     |
| --- | Gravity Sewer                                   |
| --- | 1-Inch Diameter Polyethylene Plastic Water Line |
| --- | Well Isolation                                  |
| --- | Wastewater Isolation                            |
| --- | Zoning Setback                                  |
| --- | Tree Line                                       |
| --- | Utility Pole                                    |
| --- | Traverse Station                                |
| TBM | Temporary Bench Mark (type and elevation noted) |
| --- | Test Pit (TP-01)                                |
| --- | Percolation Test (PT-01)                        |

|  |            |  |  |
|--|------------|--|--|
| <p>PERMITTING</p> <p>TITLE:</p> <p><b>OVERALL SUBDIVISION AND SITE PLAN</b></p> <p>SIGNATURE:</p> <p>JASON S. BARNARD<br/>LICENSED DESIGNER #430-B</p> |            | <p>4400 VT Route 17<br/>Starksboro, VT 05487</p> <p>Telephone: (802) 453-2597<br/>Fax number: (802) 453-8497<br/>E-mail: jbsitetch@hotmail.com</p> <p><b>Jason Barnard Consulting, LLC</b></p> <p><b>JOHN H. HAUENSTEIN<br/>TWO-LOT SUBDIVISION AND<br/>REPLACEMENT WASTEWATER SYSTEM<br/>6300 AND 6373 SPEAR STREET,<br/>CHARLOTTE, VERMONT</b></p> |  |
| DATE:  | REVISIONS: | DRAWING NO   |  |
| SEPTEMBER 18, 2014   |            | 1  |  |
| SCALE: 1" = 225'   |            |  |  |
| DRAWN BY: MJ   |            |  |  |
| CHECKED BY: JB   |            | SHEET 1 OF 4   |  |