



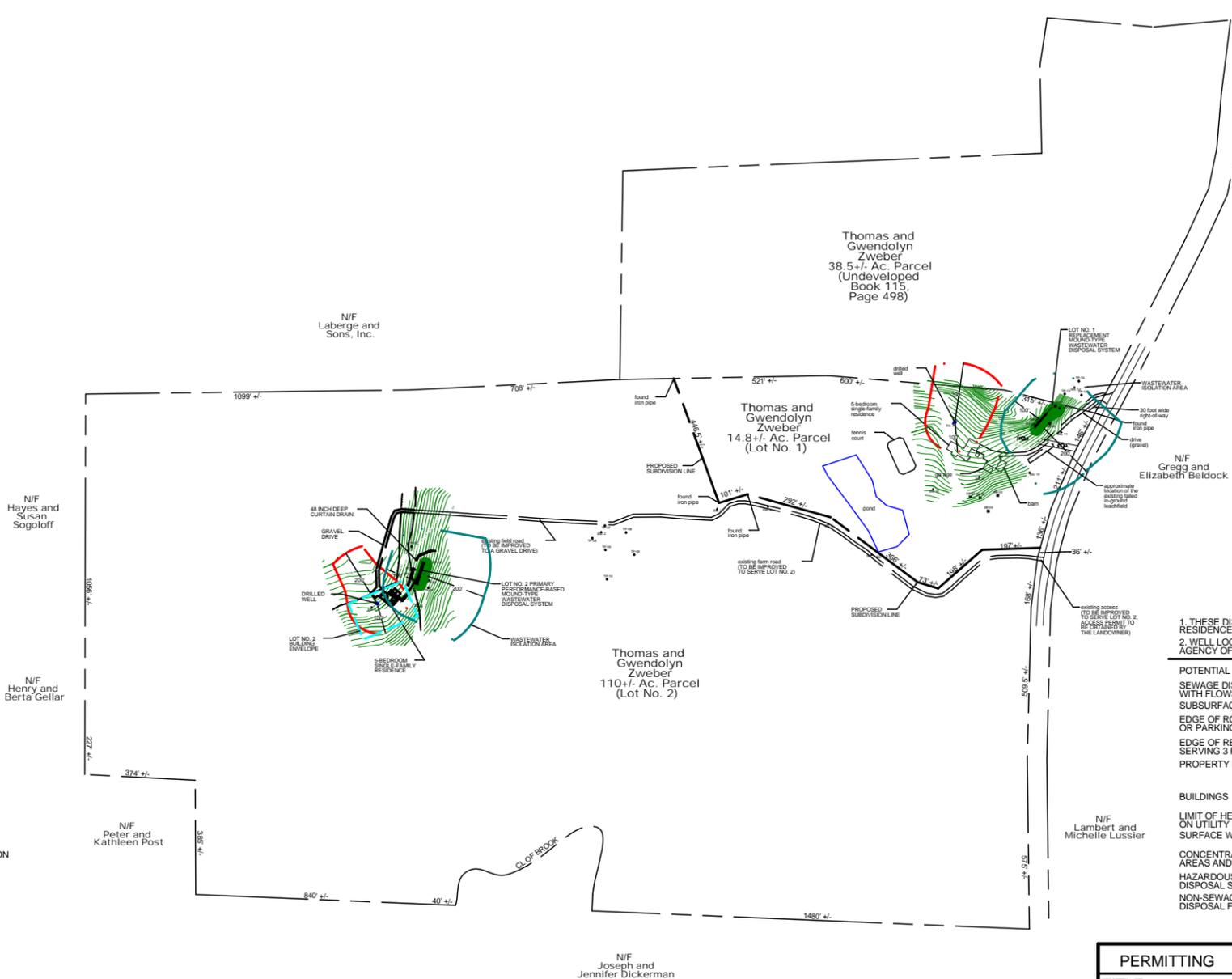
Project Location Map
Not to Scale

LEGEND

- Boundary Line/ROW
- Edge of Road (surface labeled)
- Edge of Drive (surface labeled)
- 70' 1 Foot Ground Surface Contour
- 40' Finish Grade
- Gravity Sewer
- 1-Inch Diameter Polyethylene Plastic Water Line
- Well Isolation
- Wastewater Isolation
- Building Envelope
- SF Silt Fence
- Tree Line
- Utility Pole
- Traverse Station
- TBM Temporary Bench Mark (type and elevation noted)
- Test Pit (TP-01)
- Percolation Test (PT-01)
- Hand Auger Soil Boring

PROJECT NOTES

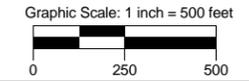
1. THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY CONDUCTED BY JASON BARNARD CONSULTING, LLC ON FEBRUARY 17 AND MAY 27, 2010.
2. ELEVATIONS ARE BASED ON AN ASSUMED ELEVATION OF 200.00' AT STATION NO. 1.
3. THIS IS NOT A BOUNDARY SURVEY.
4. FOR CLARITY, TEXT NOTING EXISTING ITEMS ARE IN LOWER CASE, AND TEXT NOTING PROPOSED ITEMS ARE IN UPPER CASE.
5. THE PROPERTY BOUNDARIES ARE BASED ON A NORTHERN LAND SURVEYING, LLC SURVEY PLAT DATED FEBRUARY 9, 2010. NO WARRANTY IS MADE WITH REGARDS TO THE ACCURACY OF THE BOUNDARY LINES SHOWN HEREON.
6. THE LOT NO. 1 REPLACEMENT WASTEWATER DISPOSAL SYSTEM AND THE LOT NO. 2 PRIMARY WASTEWATER DISPOSAL SYSTEM HAVE 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".
7. THE EXISTING IN-GROUND LEACHFIELD AREA IS SHOWN ON THIS OVERALL SUBDIVISION PLAN AND SITE PLAN BASED ON A SITE SKETCH THAT WAS OBTAINED AT THE TOWN OF CHARLOTTE MUNICIPAL OFFICES. THE EXACT LOCATION OF THE EXISTING IN-GROUND LEACHFIELD WAS NOT FIELD VERIFIED. THE EXISTING LEACHFIELD AREA WAS REVIEWED ON FEBRUARY 17, 2010 AND SURFACING EFFLUENT WAS NOTED IN THE VICINITY OF THE EXISTING LEACHFIELD.
8. THE EXISTING SEPTIC TANK IS REPORTED AS A 1,200 GALLON TANK AND IS LOCATED BASED ON VERBAL INFORMATION PROVIDED BY THE PROPERTY OWNER. THE EXISTING SEPTIC TANK SHALL BE UNCOVERED, PUMPED OUT AND INSPECTED. IF THE EXISTING TANK IS WATER-TIGHT IT SHALL BE RETROFITTED WITH A POLYLOK PL-122 EFFLUENT FILTER OR EQUAL. IF THE TANK DOES NOT APPEAR TO BE WATER-TIGHT OR IS IN POOR CONDITION, IT SHALL BE REMOVED AND REPLACED WITH A NEW 1,500 GALLON WATER-PROOF CONCRETE TANK WITH AN APPROVED EFFLUENT FILTER. THE EFFLUENT FILTER ACCESS SHALL BE COMPLETED FLUSH WITH FINISH GRADE.
9. THE DESIGNER IS NOT RESPONSIBLE FOR THE LAYOUT OF THE PROPOSED SINGLE-FAMILY RESIDENTIAL STRUCTURE AND/OR ANY OTHER BUILDINGS ASSOCIATED WITH THE PROJECT. THE PROPOSED RESIDENTIAL STRUCTURE IS SHOWN BASED ON INFORMATION PROVIDED BY THE LANDOWNER AND THE APPROPRIATE ZONING SETBACKS SHOULD BE REVIEWED BY THE LANDOWNER AND THE GENERAL CONTRACTOR PRIOR TO THE CONSTRUCTION OF THE RESIDENTIAL STRUCTURE.
10. ANY REQUIRED ACCESS PERMITS SHALL BE OBTAINED BY THE LANDOWNER. THE DESIGNER IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE PROPOSED LOT NO. 2 DRIVEWAY. ANY PERMITS REQUIRED TO CONSTRUCT THE DRIVEWAY SHALL BE OBTAINED BY THE LANDOWNER PRIOR TO THE START OF CONSTRUCTION.
11. THE PROPOSED LOT NO. 2 BUILDING ENVELOPE/DEVELOPMENT AREA IS BASED ON INFORMATION PROVIDED BY THE LANDOWNER.
12. THE PROPOSED TWO-LOT SUBDIVISION IS SUBJECT TO FINAL APPROVAL BY THE TOWN OF CHARLOTTE DEVELOPMENT REVIEW BOARD.
13. THE SITE CONTRACTOR SHALL NOTIFY THE DIG SAFE NETWORK AT LEAST 72 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATING ACTIVITIES AT THE SITE. DURING EXCAVATING ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE FOR ALL ASPECTS OF HEALTH AND SAFETY, AND APPLICABLE VERMONT OCCUPATIONAL HEALTH AND SAFETY (VOSH) GUIDELINES FOR TRENCH EXCAVATIONS SHALL BE FOLLOWED.
14. TEST PITS #11 AND #12 ARE LOCATED ON THE WESTERN PORTION OF THE ZWEBER 38.5+/- ACRE PARCEL AND ARE NOT SUITABLE FOR WASTEWATER DISPOSAL. TEST PITS #11 AND #12 WERE NOT LOCATED DURING THE TOPOGRAPHIC SURVEY AND THEREFORE ARE NOT SHOWN ON THIS OVERALL SUBDIVISION PLAN.



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 100 FEET IF WELL IS UPSLOPE
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BUILDINGS	10 FEET
LIMIT OF HERBICIDE APPLICATION ON UTILITY RIGHT-OF-WAY	200 FEET
SURFACE WATER	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



<p>PERMITTING</p> <p>TITLE:</p> <p style="text-align: center;">OVERALL SUBDIVISION PLAN</p> <p>SIGNATURE:</p>  <p>JASON S. BARNARD LICENSED DESIGNER #430-B</p>	<p style="text-align: right;">Jason Barnard Consulting, LLC</p> <p style="text-align: right; font-size: small;">4400 VT Route 17 Starksboro, VT 05487 Telephone: (802) 453-2597 Fax number: (802) 453-8497 E-mail: jbsittech@hotmail.com</p> <p style="text-align: center;">THOMAS AND GWENDOLYN ZWEBER TWO-LOT SUBDIVISION AND REPLACEMENT WASTEWATER SYSTEM 950 SPEAR STREET, CHARLOTTE, VERMONT</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; font-size: x-small;">DATE:</td> <td style="width: 25%; font-size: x-small;">REVISIONS:</td> <td style="width: 50%; font-size: x-small;">DRAWING NO.</td> </tr> <tr> <td>JUNE 4, 2010</td> <td></td> <td style="text-align: center; font-size: 2em;">1</td> </tr> <tr> <td style="font-size: x-small;">SCALE: 1" = 500'</td> <td></td> <td style="font-size: x-small;">SHEET 1 OF 5</td> </tr> <tr> <td style="font-size: x-small;">DRAWN BY: JB</td> <td></td> <td></td> </tr> </table>	DATE:	REVISIONS:	DRAWING NO.	JUNE 4, 2010		1	SCALE: 1" = 500'		SHEET 1 OF 5	DRAWN BY: JB		
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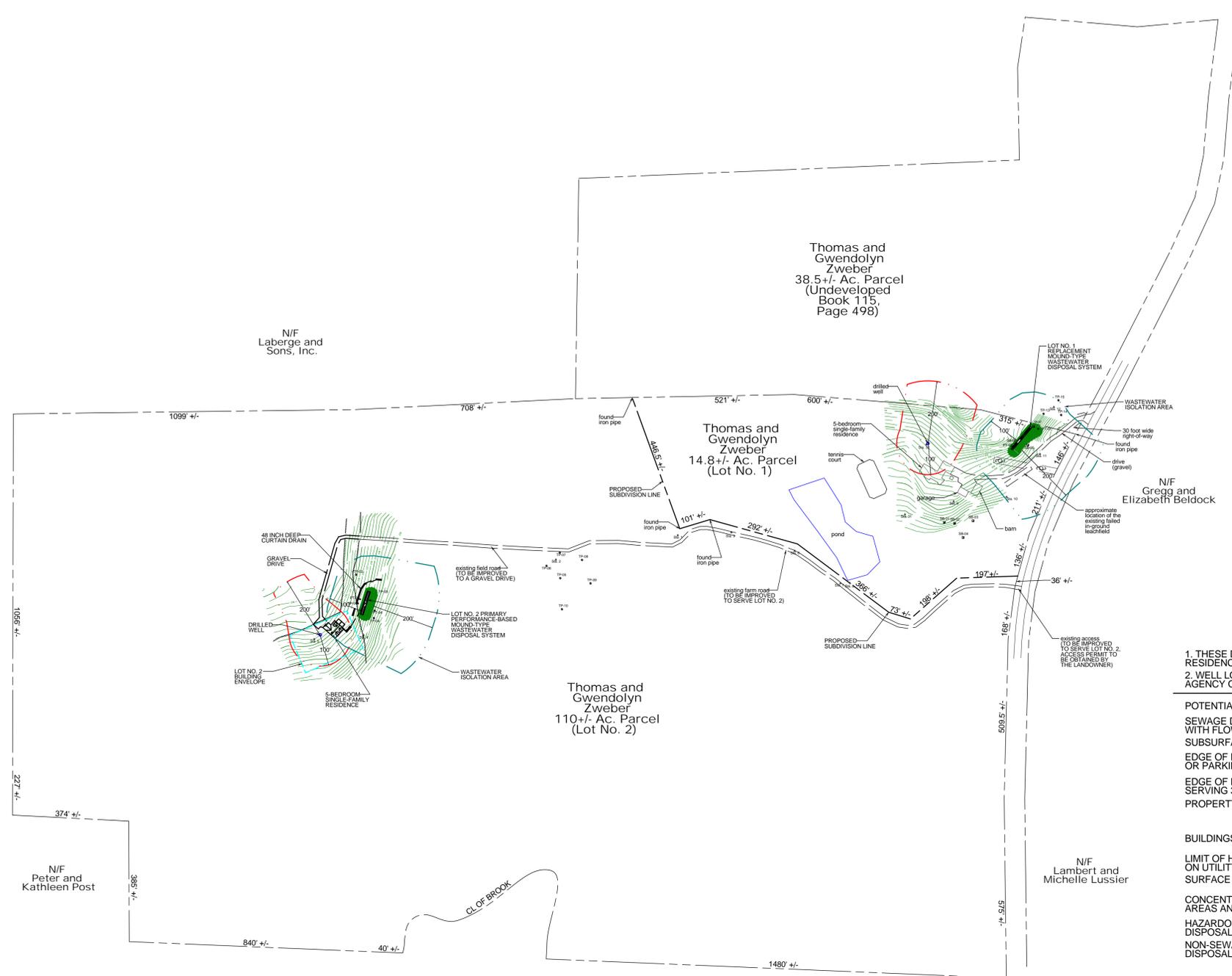
Project Location Map
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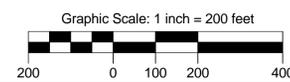
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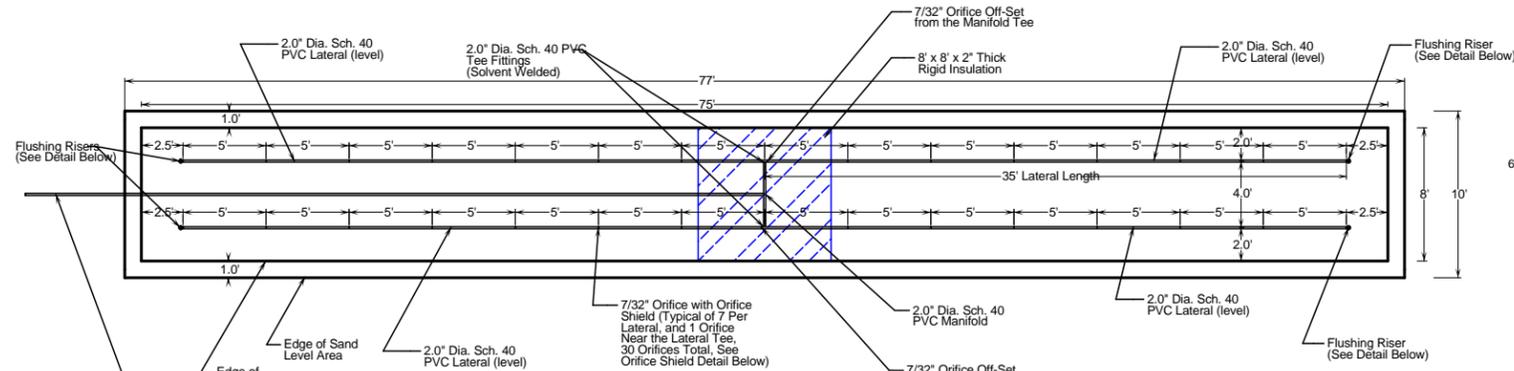


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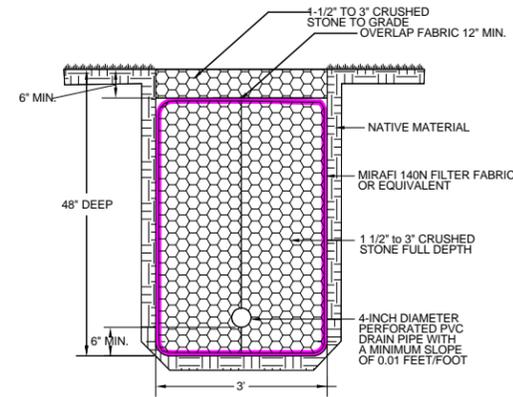


PERMITTING TITLE: OVERALL SUBDIVISION PLAN	Jason Barnard Consulting, LLC 4400 VT Route 17 Starksboro, VT 05487 Telephone: (802) 453-2597 Fax number: (802) 453-8497 E-mail: jbsitech@hotmail.com	
	THOMAS AND GWENDOLYN ZWEBER TWO-LOT SUBDIVISION AND REPLACEMENT WASTEWATER SYSTEM 950 SPEAR STREET, CHARLOTTE, VERMONT	
SIGNATURE:		DRAWING NO.
DATE:	JUNE 4, 2010	REVISIONS:
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DRAWN BY:	JB	SHEET 1 OF 5



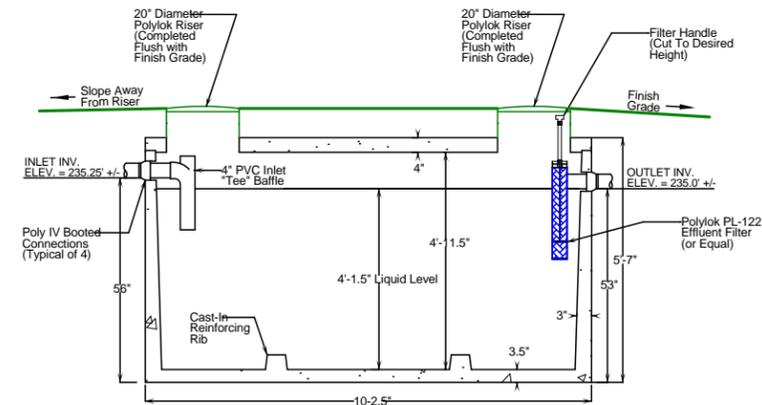
MOUND WASTEWATER DISPOSAL SYSTEM PLAN VIEW DETAIL

SCALE: NOT TO SCALE



CURTAIN DRAIN DETAIL

NOT TO SCALE

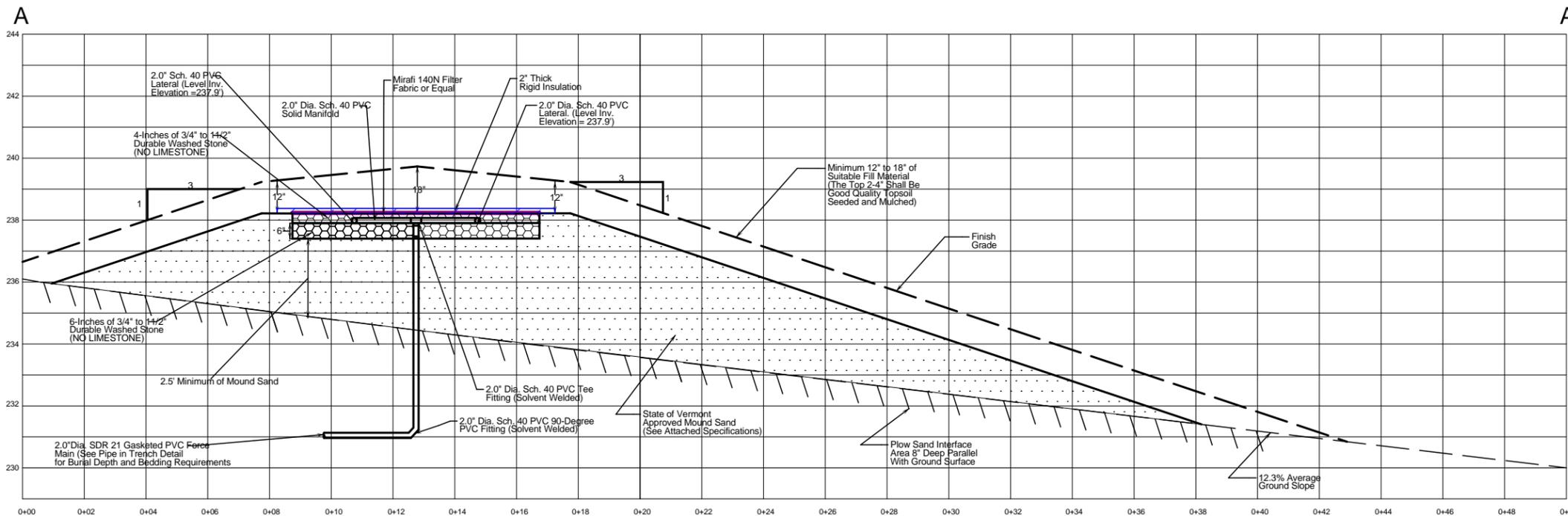


NOTES:

1. SEPTIC TANK SHALL BE SET LEVEL ON A MINIMUM OF SIX INCHES OF COMPACTED GRANULAR BASE.
2. AN INLET 'TEE' BAFLE IS REQUIRED.
3. IF WATER-PROOF BOOTED CONNECTIONS ARE NOT USED, ALL PIPE PENETRATIONS SHALL BE SEALED WITH "WATER PLUG" NON-SHRINK HYDRAULIC CEMENT.
4. EFFLUENT FILTER ACCESS SHALL BE COMPLETED FLUSH WITH FINISH GRADE.

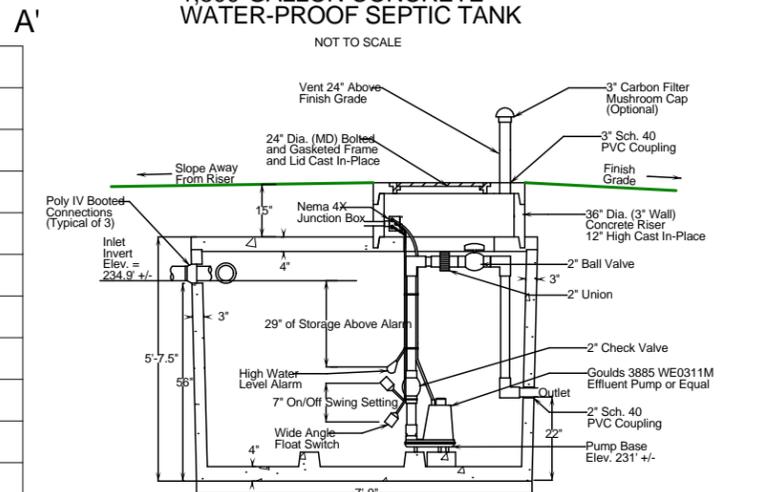
1,500-GALLON CONCRETE WATER-PROOF SEPTIC TANK

NOT TO SCALE



MOUND WASTEWATER DISPOSAL SYSTEM SECTION

VERTICAL SCALE: NOT TO SCALE
HORIZONTAL SCALE: NOT TO SCALE



NOTES:

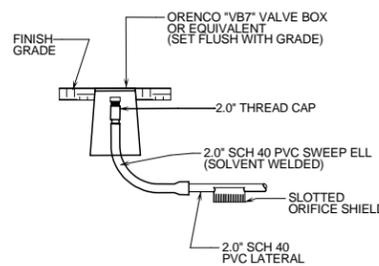
1. PUMP STATION SHALL BE SET LEVEL ON A MINIMUM OF 6-INCHES OF COMPACTED GRANULAR BASE.
2. PUMP STATION SECTIONS SHALL HAVE BUTYL RUBBER JOINT SEALER.
3. IF WATER-PROOF BOOTED PIPE CONNECTIONS ARE NOT USED, PIPE PENETRATIONS SHALL BE SEALED WITH "WATER PLUG" NON-SHRINK HYDRAULIC CEMENT.
4. ON/OFF FLOAT SWITCH TO BE SET WITH A 7.0-INCH SWING SETTING TO PROVIDE A 150-GALLON DOSE VOLUME.
5. HIGH WATER LEVEL ALARM AND PUMP STATION SHALL BE WIRED BY A LICENSED ELECTRICIAN.
6. THE HIGH WATER ALARM SHALL BE MOUNTED AT A VISIBLE LOCATION.

1,000-GALLON WATER-PROOF CONCRETE PUMP STATION

NOT TO SCALE

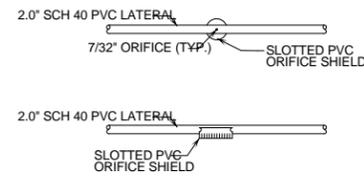
WASTEWATER DISPOSAL SYSTEM CONSTRUCTION AND MAINTENANCE NOTES

1. THE WASTEWATER DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF VERMONT, AGENCY OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES.
2. WASTEWATER DISPOSAL SYSTEM LOCATION SHALL BE STAKED OUT BY THE DESIGNER PRIOR TO START OF CONSTRUCTION.
3. ATTACHED MOUND SYSTEM CONSTRUCTION INSTRUCTIONS SHALL BE FOLLOWED DURING THE INSTALLATION OF THE REPLACEMENT MOUND-TYPE WASTEWATER SYSTEM.
4. THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR INSPECTIONS OF THE SEPTIC TANK, PUMP STATION, FLOWED LAYER, AND PLACEMENT OF THE MOUND SAND.
5. THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR A PRESSURE TEST OF THE MOUND SYSTEM PRESSURE DISTRIBUTION NETWORK.
6. WASTEWATER SYSTEM FINISH GRADES WILL VARY WITH NATURAL TOPOGRAPHY. PRIORITY IS TO MAINTAIN 3 ON 1 MOUND FRONT SIDE AND UPHILL TOE SLOPES.
7. SEPTIC TANK EFFLUENT FILTER SHOULD BE REMOVED AND RINSED BACK INTO THE SEPTIC TANK ANNUALLY.
8. THE SEPTIC TANK SHOULD BE PUMPED OUT EVERY 3 YEARS.
9. FOLLOWING THE MOUND WASTEWATER SYSTEM INSTALLATION, FINISH GRADE SHALL BE SEEDED WITH A CONSERVATION GRASS SEED MIX AND MULCHED.
10. WATER SOFTENER BACKWASH, SEPTIC TANK ADDITIVES, GREASE OR SANITIZERS SHALL NOT BE INTRODUCED INTO THE WASTEWATER DISPOSAL SYSTEM.



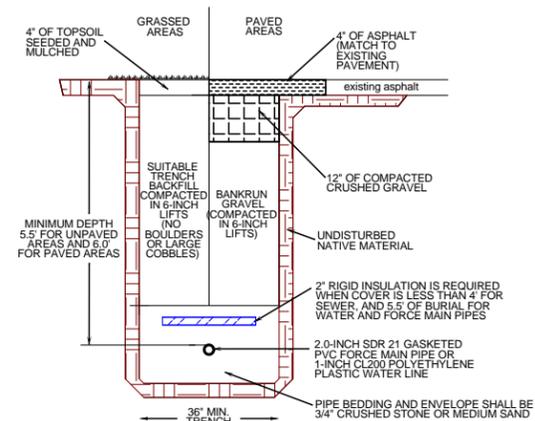
FLUSHING RISER DETAIL

NOT TO SCALE



ORIFICE SHIELD DETAIL

NOT TO SCALE



PIPE IN TRENCH DETAIL

NOT TO SCALE

PERMITTING TITLE: LOT NO. 2 WASTEWATER SYSTEM DETAILS AND NOTES	Jason Barnard Consulting, LLC 4400 VT Route 17 Starksboro, VT 05487 Telephone: (802) 453-2597 Fax number: (802) 453-8497 E-mail: jbsitetch@hotmail.com				
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