



## Catskill Watershed Corporation

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# EMAIL COVER SHEET

**To:** SEPTIC COMMITTEE

**ATTN:** Tina Molé  
Richard Parete  
Alicia Terry  
Arthur Merrill  
Allen Hinkley  
Thomas Snow  
George Hayne, Jr.  
Thomas Hoyt  
Shilo Williams

**CC:** CWC Staff, John Schwartz, Michael Meyer, Matthew Giannetta, Thomas Stalter and Aaron Bennett

**SUBJECT: SEPTIC COMMITTEE MEETING NOTICE**

**DATE: Tuesday, June 2, 2026**

**TIME: START: Immediately Following Wastewater**

**LOCATION: Catskill Watershed Corporation Building**

### Additional Instructions:

Please be advised that the Septic Committee meeting has been scheduled. Below please find the agenda and minutes from the previous meeting. If you have any questions or concerns, please contact Mitchell Hull.

### NOTICE OF PRIVILEGE AND CONFIDENTIALITY

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## AGENDA

### CATSKILL WATERSHED CORPORATION SEPTIC COMMITTEE MEETING June 2, 2026 Following Wastewater

- I. Call to Order
- II. Review of Last Meeting's Minutes
- III. Septic Programs: Take Offs Attached
  - a. Leslie Blanchard over \$30,000
  - b. Mark Bodnar over \$ 30,000
  - c. Kirk Daroci over \$30,000
  - d. Olivia Heffernan over \$30,000
  - e. David Lopato over \$30,000
  - f. Tobias Maendel over \$30,000
  - g. Linda Steuerwald over \$30,000
  - h. Judith Van Etten over \$30,000
  - i. Bernard Zahn over \$30,000
  - j. Gilboa-Conesville Central School District over \$30,000
  - k. Wendy O'Reilly over \$30,000 second time repair
  - l. Christine Creter additional cost
  - m. Moon Mountain 2121, LLC additional cost
  - n. Susan Doig second time repair eligibility
  - o. Heidi Sjursen second time repair eligibility
  - p. Russell Matson second time repair eligibility
  - q. Patricia Sprott second time repair eligibility
  - r. Beth Teuber second time repair eligibility
  - s. Septic Maintenance
  - t. Septic Cluster
  - u. Septic Update
  - v. Other
  - w. Schedule next meeting for July 7, 2026
  - x. Adjournment

**Catskill Watershed Corporation**  
**Septic Committee Meeting**  
**May 5, 2026**  
**Draft Minutes**

**Attendance:**

Committee Members: Arthur Merrill (Director), Tina Molé (Director), Richard Parete (Director), Alicia Terry (Director), George Haynes, Jr. (Director), Thomas Hoyt (Director by Zoom), Allen Hinkley (Director), Jason Merwin (CWC), Shilo Williams (NYCDEP)

Others: Zach Baldwin-Way (CWC), Lindsay Ballard (CWC), Aaron Bennett (NYCDEP), Donald Brown (CWC), Nick Carbone (Delaware County Watershed Affairs by Zoom), Joseph Cetta (Director), Samantha Costa (CWC), Timothy Cox (CWC), Lindsay Drew (NYS DOS by Zoom), Heidi Emrich (Ulster County Environmental Planner by Zoom), Kyle Faraci (CWC), Jessica Fiedler (CWC), Matthew Gianetta (NYCDEP), Mitchell Hull (CWC), John Jacobson (CWC), Innes Kasanof (Director), Lynn Kavanagh (CWC), Kristina Gutches (NYS DEC), John Kosier (Director), David Lane (CWC), Joan Lawrence-Bauer (The Walton Reporter), Michael Maloney (NYS DOH), James Martin (CWC), Christopher Matthews (Director), Michael Meyers (NYCDEP by Zoom), Ted Nitza (Ulster County Civil/Environmental Engineer by Zoom), Dymitry Ostapysyn (NYCDEP by Zoom), Pat Palmer (NYS DOH), Barbara Puglisi (CWC), Henry Rich (by Zoom), Nicholas Sadler (NYCDEP), John Schwartz (NYCDEP), Jeff Senterman (Director), James Sofranko (Director), Karen Stainbrook (NYS DEC), Thomas Stalter (NYCDEP by Zoom), Brian Sullivan (CWC), Morgan Tarbell (NYS DOH by Zoom), Gerson Tavarez (NYCDEP), Pauline Wanjugi (NYS DOH by Zoom), John Wimbush (NYS DOH), Gemma Young (CWC)

- I. Arthur Merrill called the meeting to order at 9: AM.
- II. Minutes from the April 2026 Committee Meeting were reviewed and approved as written.
- III. Septic Program:
  - A. **Ashley Brant Over \$30,000.00:** Ms. Brant's residence is located at 200 South Beech Ridge Road, West Kill, New York 12496 in the Town of Lexington. CWC staff determined that her septic system is failing. The engineer is Clover Engineering, PLLC. The contractor is Evergreen Mountain Contracting, Inc. Ms. Brant signed into the program on September 5, 2025. Her Design Application was received by NYCDEP on December 5, 2025, and deemed complete on February 17, 2026. Her septic system design was recommended for NYCDEP Design Approval on February 20, 2026. Ms. Brant's two-year deadline is September 5, 2027. Her proposed septic system will serve a four-bedroom house. Major components of this system include a 1,250-gallon septic tank, a siphon chamber, 150 linear feet of gravity pipe, an effluent filter, one distribution box, 388 cubic yards of absorption fill material, 310 linear feet of absorption trench, 119 linear feet of curtain drain, 36 linear feet of curtain drain outlet pipe, 145 linear feet of access road, remove 30 trees and site restoration. Three quotes were submitted to the homeowner for this project. They were \$52,383.65, \$57,976.75 and \$69,531.19. The lowest quote, submitted by Evergreen Mountain Contracting, Inc., is below the staff estimated cost of construction based on the Schedule of Values. The Committee recommended

that a resolution be brought before the Board of Directors to reimburse Ashley Brant in the amount not to exceed \$52,383.65 to build her septic system.

- B. Ian Brister Over \$30,000.00:** Mr. Brister's residence is located at 1081 Walton Mountain Road, Walton, New York 13856 in the Town of Walton. CWC staff determined that his septic system is failing. The engineer is Headwaters Engineering, PLLC. The contractor is Upstate Tree Service. Mr. Brister signed into the program on July 10, 2025. His Design Application was received by NYCDEP on January 29, 2026, and deemed complete on February 11, 2026. His septic system design was recommended for NYCDEP Design Approval on February 26, 2026. Mr. Brister's two-year deadline is July 10, 2027. His proposed septic system will serve a three-bedroom house. Major components of this system include a 1,000-gallon septic tank, a siphon chamber, 236 linear feet of gravity pipe, an effluent filter, one distribution box, 360 cubic yards of absorption fill material, 220 linear feet of absorption trench, 115 linear feet of curtain drain, 95 linear feet of curtain drain outlet pipe, 125 linear feet of access road and site restoration. Three quotes were submitted to the homeowner for this project. They were \$45,141.71, \$46,835.00, and \$69,910.29. The lowest quote, submitted by Upstate Tree Service, is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Ian Brister, in the amount not to exceed \$45,141.71 to build his septic system.
- C. Julie Creavin Over \$30,000.00:** Ms. Creavin's residence is located at 830 Upper Perch Lake Road, Andes, New York 13731 in the Town of Andes. CWC staff determined that her septic system is failing. The engineer is Steele Brook Engineering PLLC. The contractor is Mammoth Excavating, Inc. Ms. Creavin signed into the program on June 11, 2025. Her Design Application was received by NYCDEP on October 9, 2025, and deemed complete on December 22, 2025. Her septic system design was recommended for NYCDEP Design Approval on January 7, 2022 (date on DEP Design Approval form). Ms. Creavin's two-year deadline is June 11, 2027. Her proposed septic system will serve a two-bedroom house. Major components of this system include a 1,000-gallon septic tank, a siphon chamber, 142 linear feet of gravity pipe, an effluent filter, one distribution box, 296 cubic yards of absorption fill material, 160 linear feet of absorption trench, 100 linear feet of curtain drain, 90 linear feet of curtain drain outlet pipe, 140 linear feet of access road, remove one tree and site restoration. Three quotes were submitted to the homeowner for this project. They were \$49,157.20, \$49,225.00, and \$52,880.00. The lowest quote, submitted by Mammoth Excavating, Inc., is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Julie Creavin, in the amount not to exceed \$49,157.20 to build her septic system.
- D. Larry Davidson Over \$30,000.00:** Mr. Davidson's residence is located at 318 New Kingston Road, New Kingston, New York 12459 in the Town of Middletown. CWC staff determined that his septic system is failing. The engineer is John Bolger, P.E. The contractor is JK & Sons Construction. Mr. Davidson signed into the program on September 19, 2024. His Design

Application was received by NYCDEP on August 19, 2025, and deemed complete on April 4, 2025. His septic system design was recommended for NYCDEP Design Approval on October 8, 2025. Mr. Davidson's two-year deadline is September 19, 2026. His proposed septic system will serve a two-bedroom house. Major components of this system include a 1,000-gallon septic tank, a pump chamber, 24 linear feet of gravity pipe, 95 linear feet of force main, an effluent filter, one distribution box, 145 cubic yards of absorption fill material, 150 linear feet of Presby pipe, 34 cubic yards of C-33 sand, 78 linear feet of vent pipe, remove one tree, bucket material and site restoration. Three quotes were submitted to the homeowner for this project. They were \$49,407.50, \$50,345.00, and \$50,810.00. The lowest quote, submitted by JK & Sons Construction, is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Larry Davidson in the amount not to exceed \$49,407.50 to build his septic system.

- E. James DePaiva Over \$30,000.00:** Mr. DePaiva's residence is located at 87 DiBenedetto Road, Fleischmanns, New York 12430 in the Town of Middletown. CWC staff determined that his septic system is likely to fail. The engineer is John Bolger, P.E. The contractor is Don Allen Excavating. Mr. DePaiva signed into the program on September 24, 2024. His Design Application was received by NYCDEP on October 24, 2025, and deemed complete on October 29, 2025. His septic system design was recommended for NYCDEP Design Approval on December 3, 2025. Mr. DePaiva's two-year deadline is September 24, 2026. His proposed septic system will serve a four-bedroom house. Major components of this system include a 1,250-gallon septic tank, a pump chamber, 55 linear feet of gravity pipe, 73 linear feet of main force, an effluent filter, one distribution box, 120 cubic yards of absorption fill material, 367.5 linear feet of absorption trench, 90 linear feet of swale, additional underground electric to connect to the barn and site restoration. Three quotes were submitted to the homeowner for this project. They were \$45,214.00, \$48,436.00, and \$49,300.00. The lowest quote, submitted by Don Allen Excavating, is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse James DePaiva in the amount not to exceed \$45,214.00 to build his septic system.
- F. Josephine Dubas Over \$30,000.00:** Ms. Dubas' residence is located at 161 Smith Lane, Grahamsville, New York 12740 in the Town of Neversink. CWC staff determined that her septic system is failing. The engineer is Thomas L. Ward, P.E. The contractor is B. Rogerson Excavating LLC. Ms. Dubas signed into the program on November 1, 2024. Her Design Application was received by NYCDEP on January 7, 2026, and deemed complete on February 18, 2026. Her septic system design was recommended for NYCDEP Design Approval on April 2, 2026. Ms. Dubas' two-year deadline is November 1, 2026. Her proposed septic system will serve a four-bedroom house. Major components of this system include a 1,250-gallon septic tank, one siphon chamber, 90 linear feet of gravity pipe, 28 linear feet of force main, an effluent filter, one distribution box, 370 cubic yards of absorption fill material, 300 linear feet of absorption trench, 210 linear feet of improved swale, 80 linear feet of access road, remove 11 trees

and site restoration. Three quotes were submitted to the homeowner for this project. They were \$64,495.48, \$64,840.54, and \$64,989.88. Staff determined that a reasonable and justified cost of eligible components of this system is \$64,096.03. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Robert DeSiena in the amount not to exceed \$64,096.03 to build his septic system.

- G. Lazlo Hajnoczi Over \$30,000.00:** Mr. Hajnoczi's residence is located at 252 Ryan Road, Hunter, New York 12442 in the Town of Jewett. CWC staff determined that his septic system is likely to fail. The engineer is John Bolger, P.E. The contractor is Kevin Thompson & Son Excavating. Mr. Hajnoczi signed into the program on June 12, 2025. His Design Application was received by NYCDEP on August 26, 2025, and deemed complete on October 30, 2025. His septic system design was recommended for NYCDEP Design Approval on November 21, 2025. Mr. Hajnoczi's two-year deadline is June 12, 2027. His proposed septic system will serve a three-bedroom house. Major components of this system include a 1,000-gallon septic tank, one pump chamber, 18 linear feet of gravity pipe, 41 linear feet of force main, an effluent filter, one distribution box, 230 cubic yards of absorption fill material, 225 linear feet of Presby pipe, 45 cubic yards of C-33 sand, 85 linear feet of vent pipe, 115 linear feet of access road, remove three trees and site restoration. Three quotes were submitted to the homeowner for this project. They were \$58,797.00, \$61,356.00 and \$75,682.00. The lowest quote, submitted by Kevin Thompson & Son Excavating, is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Lazlo Hajnoczi in the amount not to exceed \$58,797.00 to build his septic system.
- H. Michael Latriano Over \$30,000.00:** Mr. Latriano's residence is located at 1215 Woodland Valley Road, Phoenicia, New York 12464 in the Town of Shandaken. CWC staff determined that his septic system is likely to fail. The engineer is John Bolger, P.E. The contractor is Chad Davis Contracting Inc. Mr. Latriano signed into the program on January 6, 2025. His Design Application was received by NYCDEP on October 24, 2025, and deemed complete on January 7, 2026. His septic system design was recommended for NYCDEP Design Approval on February 17, 2026. Mr. Latriano's two-year deadline is January 6, 2027. His proposed septic system will serve a three-bedroom house. Major components of this system include a 1,000-gallon H2O septic tank, one H2O pump chamber, 27 linear feet of gravity pipe, 53 linear feet of force main, an effluent filter, one distribution box, 90 linear feet of Presby pipe, 11 cubic yards of C-33 sand, 107 linear feet of vent pipe, three cast iron risers, spread and reclaim excess material, clear stumps and brush and site restoration. Three quotes were submitted to the homeowner for this project. They were \$45,615.53, \$47,023.21 and \$47,514.91. The lowest quote, submitted by Chad Davis Contracting, Inc., is within 10% of the staff estimated cost of construction based on the Schedule of Values. The plan includes a connection to a studio that is not eligible for program funding. These costs include 107 linear feet of gravity pipe, three cleanouts and 1,070 square feet of restoration. The total cost of connecting the studio is \$3,097.32. Mr. Latriano is responsible for this cost.  $\$45,615.53 - \$3,097.32 = \$42,518.21$ . The Committee recommended that a resolution be

brought before the Board of Directors to reimburse Michael Latriano in the amount not to exceed \$42,518.21 to build his septic system.

- I. **Michael Merwin Over \$30,000.00:** Mr. Merwin's residence is located at 760 Seely Wood Road, Walton, New York 13856 in the Town of Walton. CWC staff determined that his septic system is failing. This project is a Second Time Repair. The engineer is Headwaters Engineering, PLLC. The contractor is Dutcher Construction. Mr. Merwin signed into the program on January 27, 2025. His Design Application was received by NYCDEP on April 25, 2024, and deemed complete on May 6, 2024. His septic system design was recommended for NYCDEP Design Approval on March 30, 2025. Mr. Merwin's two-year deadline is January 27, 2027. His proposed septic system will serve a three-bedroom house. Major components of this system include a 1,000-gallon septic tank, a pump chamber, 25 linear feet of gravity pipe, 25 linear feet of force main, an effluent filter, 400 cubic yards of absorption fill material, three peat modules, one four-inch clean out, 70 linear feet of retaining wall, 50 linear feet of swale and site restoration. Three quotes were submitted to the homeowner for this project. They were \$82,482.61, \$91,362.29, and \$98,310.00. The lowest quote, submitted by Dutcher Construction, is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Michael Merwin in the amount not to exceed \$82,482.61 to build his septic system.
- J. **Edith Mills Over \$30,000.00:** Ms. Mills' residence is located at 1448 Windfall Road, Walton, New York 13856 in the Town of Tompkins. CWC staff determined that her septic system is failing. The engineer is Steele Brook Engineering PLLC. The contractor is Robinson Brothers Excavating. Ms. Mills signed into the program on March 20, 2024. Her Design Application was received by NYCDEP on January 3, 2025, and deemed complete on January 8, 2025. Her septic system design was recommended for NYCDEP Design Approval on January 15, 2025. Ms. Mills' two-year deadline is March 30, 2026. Her proposed septic system will serve a three-bedroom house. Major components of this system include a 1,000-gallon septic tank, a siphon chamber, 158 linear feet of gravity pipe, an effluent filter, one distribution box, 359 cubic yards of absorption fill material, 225 linear feet of absorption trench, 125 linear feet of curtain drain, 95 linear feet of curtain drain outlet pipe, 125 linear feet of swale and site restoration. Three quotes were submitted to the homeowner for this project. They were \$49,077.54 \$54,458.79 and \$62,626.80. The lowest quote, submitted by Robinson Brothers Excavating, is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Edith Mills in the amount not to exceed \$49,077.54 to build her septic system.
- K. **Joan Nelson Over \$30,000.00:** Ms. Nelson's residence is located at 213 Higgins Road, Stamford, New York 12167 in the Town of Jefferson. CWC staff determined that her septic system is failing. The engineer is Headwaters Engineering, PLLC. The contractor is Chriscor Excavating Corp. Ms. Nelson signed into the program on April 14, 2025. Her Design Application was received by NYCDEP on August 1, 2025, and deemed complete on August 18, 2025. Her septic system design was recommended for NYCDEP Design Approval on

September 3, 2025. Ms. Goodrich's two-year deadline is April 14, 2027. Her proposed septic system will serve a four-bedroom house. Major components of this system include a 1,250-gallon septic tank, a pump chamber, 90 linear feet of gravity pipe, 343 linear feet of force main, an effluent filter, one distribution box, 383 cubic yards of absorption fill material, 275 linear feet of absorption trench, 115 linear feet of curtain drain, 105 linear feet of curtain drain outlet pipe, one four-inch cleanout, three risers, 310 linear feet of access road, remove two trees, 25 linear feet of four-inch Schedule 80 sleeve and site restoration. Three quotes were submitted to the homeowner for this project. They were \$62,449.18, \$68,459.00 and \$83,499.00. The lowest quote, submitted by Chriscor Excavating Corp., is below the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Joan Nelson in the amount not to exceed \$62,449.18 to build her septic system.

**L. Sarah Prediger Over \$30,000.00:** Ms. Prediger's residence is located at 71 Prediger Road, Elka Park, New York 12427 in the Town of Hunter. CWC staff determined that her septic system is failing. The engineer is Christopher DiChiaro, P.E. The contractor is L&L Earthworx. Ms. Prediger signed into the program on September 30, 2024. Her Design Application was received by NYCDEP on October 24, 2025, and deemed complete on January 6, 2026. Her septic system design was recommended for NYCDEP Design Approval on February 20, 2026. Ms. Prediger's two-year deadline is September 30, 2026. Her proposed septic system will serve a two-bedroom house. Major components of this system include a 1,000-gallon septic tank, 179 linear feet of gravity pipe, an effluent filter, one distribution box, 310 cubic yards of absorption fill material, 160 linear feet of Presby pipe, 19 cubic yards of C-33 sand, 58 linear feet of vent pipe, 120 linear feet of curtain drain outlet pipe, 60 linear feet of access road, 105 linear feet of six-inch sleeve, extend gutters, 45 linear feet and site restoration. Three quotes were submitted to the homeowner for this project. They were \$57,627.49, \$68,776.58 and \$84,069.70. The lowest quote, submitted by L&L Earthworx, is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Sarah Prediger in the amount not to exceed \$57,627.49 to build her septic system.

**M. John Reichle Over \$30,000.00:** Mr. Reichle's residence is located at 939 Clove Road, Hobart, New York 13788 in the Town of Stamford. CWC staff determined that his septic system is failing. The engineer is Headwaters Engineering, PLLC. The contractor is Boyle Excavating Inc. Mr. Reichle signed into the program on April 11, 2025. His Design Application was received by NYCDEP on February 3, 2026, and deemed complete on February 18, 2026. His septic system design was recommended for NYCDEP Design Approval on March 24, 2026. Mr. Reichle's two-year deadline is April 11, 2027. His proposed septic system will serve a five-bedroom house. Major components of this system include a 1,500-gallon septic tank, a siphon chamber, 87 linear feet of gravity pipe, an effluent filter, one distribution box, 380 cubic yards of absorption fill material, 350 linear feet of absorption trench, 100 linear feet of curtain drain, 75 linear feet curtain drain outlet pipe, 60 linear feet of access road and site restoration. Three quotes were submitted to the homeowner for this project. They were

\$58,691.41, \$60,996.00 and \$65,987.17. The lowest quote, submitted by Boyle Excavating Inc., is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse John Reichle in the amount not to exceed \$58,691.41 to build his septic system.

- N. David Rikard Over \$30,000.00:** Mr. Rikard's residence is located at 318 Johnson Hollow Road, Prattsville, New York 12468 in the Town of Roxbury. CWC staff determined that his septic system is failing. The engineer is Praetorius & Conrad, P.C. The contractor is William Walcutt. Mr. Rikard signed into the program on August 7, 2025. His Design Application was received by NYCDEP on January 6, 2026, and deemed complete on January 15, 2026. His septic system design was recommended for NYCDEP Design Approval on January 15, 2026. Mr. Rikard's two-year deadline is August 7, 2027. His proposed septic system will serve a three-bedroom house. Major components of this system include a 1,000-gallon septic tank, one pump chamber, 17 linear feet of gravity pipe, 375 linear feet of force main, an effluent filter, one distribution box, 470 cubic yards of absorption fill material, 240 linear feet of absorption trench, 80 linear feet curtain drain, 75 linear feet of curtain drain outlet pipe, 225 linear feet of access road and site restoration. Three quotes were submitted to the homeowner for this project. They were \$57,950.00, \$58,100.00 and \$78,203.40. The lowest quote, submitted by William Walcutt, is below the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse David Rikard in the amount not to exceed \$57,950.00 to build his septic system.
- O. Salvatore Salvo Over \$30,000.00:** Mr. Salvo's residence is located at 105 Saint John Street, Walton, New York 13856 in the Town of Walton. CWC staff determined that his septic system is likely to fail. The engineer is Steele Brook Engineering PLLC. The contractor is Tweedie Construction Services, Inc. Mr. Salvo signed into the program on October 21, 2024. His Design Application was received by NYCDEP on February 14, 2025, and deemed complete on March 4, 2025. His septic system design was recommended for NYCDEP Design Approval on May 21, 2025. Mr. Salvo's two-year deadline is October 21, 2026. His proposed septic system will serve a two-bedroom house. Major components of this system include a 1,000-gallon H2O septic tank, an H2O pump chamber, 107 linear feet of gravity pipe, 92 linear feet of force main, an effluent filter, 184 cubic yards of absorption fill material, 34 cubic yards of random fill material, two peat modules, 15 linear feet of six-inch sleeve and site restoration. Three quotes were submitted to the homeowner for this project. They were \$55,181.00, \$57,945.00 and \$58,956.00. The lowest quote, submitted by Tweedie Construction Services, Inc., is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Salvatore Salvo in the amount not to exceed \$55,181.00 to build his septic system.
- P. Tanya Tyrrell Over \$30,000.00:** Ms. Tyrrell's residence is located at 81 Beecher Road, East Jewett, New York 12424 in the Town of Jewett. CWC staff

determined that her septic system is failing. The engineer is Christopher DiChiaro, P.E. The contractor is C&C Excavating, Inc. Ms. Tyrrell signed into the program on May 30, 2025. Her Design Application was received by NYCDEP on October 24, 2025, and deemed complete on January 6, 2026. Her septic system design was recommended for NYCDEP Design Approval on February 20, 2026. Ms. Tyrrell's two-year deadline is May 30, 2025. Her proposed septic system will serve a three-bedroom house. Major components of this system include a 1,000-gallon septic tank, a pump chamber, 26 linear feet of gravity pipe, 50 linear feet of force main, an effluent filter, 50 cubic yards of absorption fill material, 83 cubic yards of random fill material, three peat modules, 150 linear feet of access road, 81 linear feet of re-routed sump pump pipe and roof leaders, set tanks with a large excavator and site restoration. Three quotes were submitted to the homeowner for this project. They were \$55,265.00, \$59,685.47 and \$58,500.00. The lowest quote, submitted by C&C Excavating, Inc., is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Tanya Tyrrell in the amount not to exceed \$55,265.00 to build her septic system.

**Q. Lucy Wood Over \$30,000.00:** Ms. Wood's residence is located at 91 Oxbow Hollow Road, Walton, New York 13856 in the Town of Walton. CWC staff determined that her septic system is failing. The engineer is Steele Brook Engineering PLLC. The contractor is Ben Reynolds Construction Company, Inc. Ms. Wood signed into the program on October 15, 2025. Her Design Application was received by NYCDEP on October 9, 2025, and deemed complete on December 19, 2025. Her septic system design was recommended for NYCDEP Design Approval on February 18, 2026. Ms. Wood's two-year deadline is October 15, 2027. Her proposed septic system will serve a two-bedroom house. Major components of this system include a 1,000-gallon septic tank, a pump chamber, 41 linear feet of gravity pipe, 323 linear feet of force main, an effluent filter, one distribution box, 245 cubic yards of absorption fill material, 160 linear feet of absorption trench, 135 linear feet of curtain drain, 155 linear feet of swale, three risers, 20 linear feet of PVC sleeve, remove five trees, 60 linear feet of 18-inch culvert and site restoration. Three quotes were submitted to the homeowner for this project. They were \$56,740.00, \$58,675.00 and \$59,450.00. The lowest quote, submitted by Ben Reynolds Construction Company, Inc., is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Lucy Wood in the amount not to exceed \$56,740.00 to build her septic system.

**R. Sead Celic Over \$30,000.00:** Mr. Celic's residence is located at 53 Sunrise Drive, Woodbourne, New York 12788 in the Town of Neversink. This project is a Second Time Repair. CWC staff determined that his septic system is failing. The engineer is Peak Engineering, PLLC. The contractor is Liberty Landscaping. Mr. Celic signed into the program on November 1, 2024. His Design Application was received by NYCDEP on September 24, 2025, and deemed complete on October 8, 2025. His septic system design was recommended for NYCDEP Design Approval on October 24, 2025. Mr. Celic's two-year deadline is November 1, 2026. His proposed septic system will serve a four-bedroom house. Major

components of this system include a 1,250-gallon septic tank, a siphon chamber, 195 linear feet of gravity pipe, an effluent filter, one distribution box, 522 cubic yards of absorption fill material, 275 linear feet of absorption trench, 91 linear feet of curtain drain, 55 linear feet of curtain drain outlet pipe, 18 linear feet of six-inch sleeve and site restoration. Liberty Landscaping submitted a quote to the homeowner for \$34,800.00. This amount is below the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Sead Celic in the amount not to exceed \$34,800.00 to build his septic system.

- S. Malinda Warner Over \$30,000.00:** Ms. Warner's residence is located at 833 Kiff Brook Road, Bloomville, New York 13739 in the Town of Kortright. This project is a Second Time Repair. CWC staff determined that her septic system is failing. The engineer is McManus Engineering Group, LLC. The contractor is R&D Excavating. Ms. Warner signed into the program on April 1, 2025. Her Design Application was received by NYCDEP on April 17, 2024, and deemed complete on May 1, 2024. Her septic system design was recommended for NYCDEP Design Approval on June 9, 2025. Ms. Warner's two-year deadline is April 1, 2027. His proposed septic system will serve a four-bedroom house. Major components of this system include a 1,250-gallon septic tank, a siphon chamber, 115 linear feet of gravity pipe, an effluent filter, one distribution box, 175 cubic yards of absorption fill material, 195 square feet of Eljen units, 30 cubic yards of C-33 sand, 60 linear feet of access road, 75 linear feet of retaining wall and site restoration. Three quotes were submitted to the homeowner for this project. They were \$48,440.32, \$49,544.77, and \$50,691.92. The lowest quote, submitted by R&D Excavating, is within 10% of the staff estimated cost of construction based on the Schedule of Values. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Malinda Warner in the amount not to exceed \$48,440.32 to build her septic system.
- T. Ashley Bowker Additional Costs:** Ms. Bowker's residence is located at 58 ½ High Street, Walton, New York 13856 in the Town of Walton. The engineer is Steele Brook Engineering PLLC. The contractor is Ben Reynolds Construction Company, Inc. This project was approved for \$29,980.00 in 2022. It is a Presby system. Effluent is coming out of the low vent. The engineer believes that this is due to groundwater infiltration. He has proposed 90 linear feet of curtain drain with a poly barrier and 40 linear feet of solid pipe to direct a sump pump discharge line away from the absorption field area. The contractor has requested \$6,175.00 for the added work. This amount appears to be reasonable and justifiable. The total project cost will be \$36,155.00. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Ashley Bowker in the amount not to exceed \$6,175.00 for additional costs to build her septic system.
- U. Timothy Brown Additional Costs:** Mr. Brown's residence is located at 1396 Wittenberg Road, Woodstock, New York 12498 in the Town of Shandaken. The engineer is Rex Sanford, P.E. The contractor is Chad Davis Contracting, Inc. This project was previously approved for \$76,840.12. The contractor discovered an additional steel septic tank and a cesspool during construction. They were both pumped out and decommissioned. Interior plumbing was changed to the

opposite side of the house. This saved cost. The contractor did not need 50 linear feet of access road and 75 linear feet of force main. The total cost of these items is \$1,930.00. This amount was deducted from the construction bill.  $\$76,840.12 - \$1,930.00 = \$74,910.12$ . The contractor has requested \$7,709.00 for the added work. This amount appears to be reasonable and justifiable. The total project cost will be  $\$74,910.12 + \$7,709.00 = \$82,619.12$ . The Committee recommended that a resolution be brought before the Board of Directors to reimburse Timothy Brown in the amount not to exceed \$7,709.00 for additional costs to build his septic system.

**V. Robert Connelly Additional Costs:** Mr. Connelly's residence is located at 4244 Betty Brook Road, South Kortright, New York 13842 in the Town of Kortright. The engineer is Headwaters Engineering, PLLC. The contractor is Boyle Excavating, Inc. This project was approved for \$38,168.00 in 2023. The system functioned adequately until recently. It was determined during a site visit with the contractor and engineer that groundwater was infiltrating the septic tank and pump chamber. The engineer recommended installing 50 linear feet of curtain drain and 65 linear feet of curtain drain outlet pipe around the tanks to protect the absorption field. The contractor has requested \$3,679.59 for the added work. This amount appears to be reasonable and justifiable. The total project cost will be \$41,847.59. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Robert Connelly in the amount not to exceed \$3,679.59 for additional costs to build his septic system.

**W. Ernest Dorsett Additional Cost Over \$30,000.00:** Mr. Dorsett's residence is located at 385 Dorsett Road, Bovina, New York 13740 in the Town of Bovina. CWC staff determined that his septic system is failing. The engineer is John Bolger, P.E. The contractor is JK & Sons Excavation & Construction. Mr. Dorsett signed into the program on June 5, 2025. His Design Application was received by NYCDEP on July 7, 2025, and deemed complete on August 20, 2025. His septic system design was recommended for NYCDEP Design Approval on August 21, 2025. Mr. Dorsett's two-year deadline is June 5, 2027. His proposed septic system will serve a three-bedroom house. This project was previously approved \$8,497.15 for emergency installation of a 1,000-gallon septic tank. Most of the major components include a pump chamber, 8 linear feet of gravity pipe, 220 linear feet of force main, one distribution box, 260 cubic yards of absorption fill material, 240 linear feet of absorption trench, 115 linear feet of curtain drain, 38 linear feet of curtain drain outlet pipe, 110 linear feet of access road, 107 linear feet of six-inch sleeve and site restoration. Three quotes were submitted to the homeowner for this project. They were \$51,021.50, \$54,414.00 and \$54,844.00. The lowest quote, submitted by JK & Sons Excavation & Construction, is within 10% of the staff estimated cost of construction. The total project cost will be \$59,518.65. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Ernest Dorsett in the amount not to exceed \$51,021.50 for additional costs to build his septic system.

**X. David Evans Additional Cost Over \$30,000.00:** Mr. Evan's residence is located at 119 Sharon Rose Lane, Delhi, New York 13753 in the Town of Delhi. CWC staff determined that his septic system is failing. The engineer is Headwaters Engineering, PLLC. The contractor is A&M Excavating. Dr. Evans

signed into the program on July 17, 2025. His Design Application was received by NYCDEP on February 13, 2026, and deemed complete on March 3, 2026. His septic system design was recommended for NYCDEP Design Approval on March 18, 2026. Dr. Evans' two-year deadline is July 17, 1017. His proposed septic system will serve a four-bedroom house. This project was approved \$7,000.00 for an emergency installation of a 1,250 septic tank in 2025. Most of the major components include a siphon chamber, 128 linear feet of gravity pipe, an effluent filter, one distribution box, 487 cubic yards of absorption fill material, 275 linear feet of absorption trench, 120 linear feet of curtain drain, 95 linear feet of curtain drain outlet pipe, 40 linear feet of access road, five linear feet of six-inch sleeve and site restoration. Three quotes were submitted to the homeowner for this project. They were \$54,493.00, \$55,170.00 and \$55,252.00. The lowest quote, submitted by A&M Excavating, is within 10% of the staff estimated cost of construction. The total project cost will be \$61,493.00. The Committee recommended that a resolution be brought before the Board of Directors to reimburse David Evans in the amount not to exceed \$54,493.00 for additional costs to build her septic system.

- Y. Shane Finch Additional Cost Over \$30,000.00:** Mr. Finch's residence is located at 255 Huckleberry Brook Road, Margaretville, New York 12455 in the Town of Middletown. CWC staff determined that his septic system is failing. The engineer is John Bolgeer, P.E. The contractor is JB's Line Cleaning & Plumbing. Mr. Finch signed into the program on March 12, 2026. His Design Application was received by NYCDEP on January 12, 2024, and deemed complete on January 25, 2024. His septic system design was recommended for NYCDEP Design Approval on July 19, 2024, and a modified Approval on June 9, 2025. Mr. Finch's two-year deadline is March 12, 2028. His proposed septic system will serve a four-bedroom house. This project was previously approved for \$11,000.00 for an emergency installation of a 1,250-gallon H2O septic tank. Most of the major components include one Fuji CE5 aerobic treatment unit, convert the 1,250-gallon septic tank into a pump chamber, 27 linear feet of gravity pipe, 70 linear feet of force main, one distribution box, 220 cubic yards of absorption fill material, 285 linear feet of Presby pipe, 60 cubic yards of C-33 sand, 56 linear feet of vent pipe 35 linear feet of curtain drain, 98 linear feet of curtain drain outlet pipe, remove eight trees, bucket material and site restoration. Four quotes were submitted to the homeowner for this project. They were \$69,684.00, \$70,028.00, \$76,400.34 and \$79,500.11. The lowest quote, submitted by JB's Line Cleaning & Plumbing, is within 10% of the staff estimated cost of construction. The total project cost will be \$80,684.00. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Shane Finch in the amount not to exceed \$69,684.00 for additional costs to build his septic system.
- Z. Beverly Fuller Additional Costs Over \$30,000.00:** Ms. Fuller's residence is located at 288 Ehlermann Road, Delhi, New York 13753 in the Town of Meredith. CWC staff determined that her septic system is failing. The engineer is McManus Engineering Group, LLC. The contractor is A&M Excavating. Ms. Fuller signed into the program on March 30, 2026. Her Design Application was received by NYCDEP on July 16, 2024, and deemed complete on April 23, 2025. Her septic system design was recommended for NYCDEP Design Approval on

April 23, 2025. Ms. Fuller's two-year deadline is March 30, 2028. Her proposed septic system will serve a three-bedroom house. This project was approved \$6,521.37 for an emergency installation of a 1,000-gallon septic tank in 2023. Most of the major components include one duplex pump chamber, 12 linear feet of gravity pipe, 95 linear feet of force main, one distribution box, 60 cubic yards of absorption fill material, 180 square feet of Eljen units, 16 cubic yards of C-33 sand, 175 linear feet of access road, remove eight trees and site restoration. Three quotes were submitted to the homeowner for this project. They were \$39,410.00, \$41,205.00 and \$43,920.00. The lowest quote, submitted by A&M Excavating, is within 10% of the staff estimated cost of construction. The total project cost will be \$45,931.37. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Beverly Fuller in the amount not to exceed \$39,410.00 for additional costs to build her septic system.

**AA. Jeff Lilley Additional Costs Over \$30,000.00:** Mr. Lilley's residence is located at 2211 West Hubbell Hill Road, Margaretville, New York 12455 in the Town of Middletown. CWC staff determined that his septic system is likely to fail. The engineer is Headwaters Engineering, LLC. The contractor is Delaware Bulldozing Corp. Mr. Lilley signed into the program on March 26, 2026. His Design Application was received by NYCDEP on June 11, 2025, and deemed complete on June 27, 2025. His septic system design was recommended for NYCDEP Design Approval on July 24, 2025. Mr. Lilley's two-year deadline is March 26, 2028. His proposed septic system will serve a three-bedroom house. This project was approved \$5,866.20 for an emergency installation of a 1,000-gallon septic tank. Most of the major components include one pump chamber, 50 linear feet of gravity pipe, 10 linear feet of force main, 165 cubic yards of absorption fill material, three peat modules, 80 linear feet of access road, 25 linear feet of gutter drain, 75 linear feet of retaining wall, remove 13 large trees, shuttle material and site restoration. Three quotes were submitted to the homeowner for this project. They were \$91,414.00, \$96,200.00 and \$98,509.36. The lowest quote, submitted by Delaware Bulldozing Corp., is within 10% of the staff estimated cost of construction. The total project cost will be \$97,250.20. The Committee recommended that a resolution be brought before the Board of Directors to reimburse Jeff Lilley in the amount not to exceed \$91,414.00 for additional costs to build her septic system.

**BB. Brian Wagner Additional Cost:** Mr. Wagner's apartment building are located at 42,48 and 50 Clove Road, Hunter, New York 12442 in the Town of Hunter. This project is eligible for 100% reimbursement under the Expanded Septic Program. The engineer is John Bolger, P.E. The contractor is Ryan Martin Excavating, Inc. This project was previously approved for \$159,864.59. The contractor had to continuously pump the tank excavation to prevent the tank from floating due to extremely wet conditions. Because of proximity to a stream, a temporary settling area was excavated for water being pumped. The contractor installed 10 check dams, 100 linear feet of trenching, staking and backfilling and 4,000 square feet of hydroseeding to prevent erosion under guidance of the engineer. The contractor has requested \$21,000.00 for the added work. Staff have determined that a reasonable and justified cost is \$11,250.00. The total project cost will be \$171,114.59. The Committee recommended that a resolution be brought before the Board of Directors to

reimburse Brian Wagner in the amount not to exceed \$11,250.00 for additional costs to build his septic system.

**CC.**        **Matthew Myers Second Time Repair:** Mr. Myers' residence is in the Town of Walton, Section, Block and Lot number 272-2-31.2. This project was paid for in 2009 under the Priority 5 Program. The pump has stopped working and the level in the pump chamber is high. The alarm float is working. Conduit for the junction box is broken and wires are exposed. The junction box is not fastened to the concrete riser. The effluent filter is partially under the tank lid. Pipe needs to be cut, and the filter moved so it can be serviced. The pump may need replacement. The owner had maintenance pump outs in 2020 and 2024. The Committee recommended that a resolution be brought before the Board of Directors to approve Matthew Myers for a second time repair.

**DD.**        **Septic Maintenance:** Mitch reported that pump out costs were reimbursed to 62 property owners last month. A total of 157 pump out costs have been reimbursed this year.

**EE.**        **Septic Cluster:**

**FF.**        **Septic Update:** Mitch Hull reported that seven septic system repair costs were reimbursed to property owners last month. Property owners have been reimbursed for 23 septic system repair costs in 2026.

**GG.**        **Other:**

**HH.**        The next Septic Committee Meeting was scheduled for June 3, 2026.

VI.        The meeting adjourned at 10 AM.

**Leslie Blanchard Over \$30,000:**

Address: 801 Walker Road, Margaretville, New York 12455

Town: Middletown

Bedrooms: 4

Engineer: John Bolger, P.E.

Contractor: Jim Peters Excavating, LLC

Sign In Date: 3/30/26

Design Application Received By DEP: 2/10/26

Design Application Deemed Complete: 2/27/26

Date Recommended for DEP Design Approval: 4/1/26

2-Year Deadline: 3/30/28

The major components include one 1,250-gallon septic tank, one pump chamber, 27 l.f. of gravity pipe, 304 l.f. of force main, an effluent filter, one distribution box, 387 c.y. of absorption fill material, 368 l.f. of absorption trench, 140 l.f. of curtain drain, 115 of curtain drain outlet pipe, 1 cleanout, 224 l.f. of access rd., bucket materials, reclaim material from tank excavations, and site restoration. The homeowner received three quotes. They were \$75,285.46, \$78,964.60 and \$79,764.85. The low quote is within 10% of our estimated cost for construction. This is a secondary residence eligible for 60% reimbursement.  $\$75,285.46 \times 60\% = \$45,171.28$ . Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$45,171.28.

**Cost Estimate**

**Homeowner:** Leslie Blanchard  
**SBL #:** 243-1-5  
**Designer:** John Bolger  
**Completed By:** Mitch Hull  
**Date:** 5/5/2026

**2026 Schedule of Values**

**Enter Values in Blue Shaded Cells**

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1,000 Gallon Tank With System	EA	0	\$4,917.79	\$0.00
	1,250 Gallon Tank With System	EA	1	\$5,371.95	\$5,371.95
	1/500 Gallon Tank With System	EA	0	\$5,822.91	\$0.00
2	Pump Chamber	EA	1	\$10,657.61	\$10,657.61
3	Syphon Chamber	EA	0	\$4,837.05	\$0.00
4	Gravity Piping 4" PVC	LF	27	\$13.36	\$360.72
5	Force Main 2"PVC	LF	304	\$11.36	\$3,453.44
6	D-Box	EA	1	\$879.97	\$879.97
7	Absorption Fill Material	CY	387	\$28.85	\$11,164.95
8	Random Fill Material	CY	0	\$24.10	\$0.00
9	1 Hr. Haul Time	CY	387	\$15.75	\$6,095.25
10	Effluent Filter	EA	1	\$100.00	\$100.00
11	Conventional Absorption Bed	SF	0	\$6.25	\$0.00
12	Absorption Trench	LF	368	\$15.76	\$5,799.68
13	Eljen Units (Trench Systems)	SF	0	\$24.44	\$0.00
14	NYS DOT C-33 Sand (Trench)	CY	0	\$48.23	\$0.00
15	Eljen Units (Bed Systems)	SF	0	\$24.44	\$0.00
16	NYS DOT C-33 Sand (Bed)	CY	0	\$48.23	\$0.00
17	Presby Systems Pipe	LF	0	\$30.77	\$0.00
18	NYS DOT C-33 Sand (Presby)	CY	0	\$48.23	\$0.00
19	Vent Pipe	LF	0	\$11.52	\$0.00
19	Curtain Drain (36" Avg. Depth)	LF	140	\$21.10	\$2,954.00
20	Curtain Drain Outlet Pipe	LF	115	\$11.52	\$1,324.80
21	Swale	LF	0	\$7.39	\$0.00
22	Topsoil, Seed & Mulch	SF	14415	\$1.04	\$14,991.60
23	4" Clean Out	EA	1	\$185.00	\$185.00
24	Silt Fence	LF	0	\$3.73	\$0.00
25	Riser, First Foot & Lid	EA	3	\$184.00	\$552.00
26	Additional Riser Section	EA	1	\$98.00	\$98.00
27	Access Road	LF	220	\$20.70	\$4,554.00
29	Bucket Material	HR	24	\$150.00	\$3,600.00
30	Recaliam materail from tanks		1	\$750.00	\$750.00
31			0	\$0.00	\$0.00
32			0	\$0.00	\$0.00
33				\$0.00	\$0.00
				<b>TOTAL</b>	<b>\$72,892.97</b>
				<b>ADD 10%</b>	<b>\$80,182.27</b>

**NOTES**

4" sched. 40 pvc @ 1/4" per foot from Dwelling to Septic tank

1250 Gal. Septic Tank set level and as per Manufacture Specs.

4" sched. 40 pvc set at 1% min. between Septic tank & Pump Tank.

1250 Gallon Pump Tank

2" sched. 40 pvc Between Pump chamber & D-Box

Drains back to pump chamber.

Hole Concrete Distribution box

Primary Footprint of fill material with distribution laterals

bedroom house with a perc. rate of 5-30 min. max.

Daily flow of 440 gal. per day = 367' of laterals

4 laterals at 92' each = 368' of laterals.

Basel Area = Daily flow/.2=sf

.2=2200sf min.

Basel Area Designed at 97' x 25'=2425sf

Layer of fill material ~ 3/1 pitch ~ top 10' min., sides 15' min., bottom 20' min.

Curtain Drain - 4" Perf. PVC w/ holes down

of 20' away from toe of uphill slope

Curtain Drain outlet pipe 4" solid pvc to daylight w/ screen cap

one to disperse water

CITY OF NEW YORK  
DEPT. OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY  
REGULATORY AND ENGINEERING PROGRAM

SEE FIRST SHEET FOR PROPERTY MAP

TABLE 2  
SEPARATION DISTANCES FROM WASTE WATER SYSTEM COMPONENTS  
(IN FEET)

Components	Well or Suction Line (4" dia)	To Stream, Lake, watercourse (18" or Wetland)	Dwelling	Property Line
4" dia	25 of cast iron sewer pipe, 50 otherwise	25	5	10
12" dia	50	50	10	10
Distribution box	50	50	10	10
12" dia	100	100	20	10
18" dia	100 (a)	100	20	10
24" dia	150 (a)	100	20	10
30" dia	100 (a)	100	20	10
36" dia	100 (a)(1)	100 (1)	20	10
Systems with special	50	50	20	10
Systems with	100	50	20	10

For treatment systems are located upgrade and on the direct path of surface water drainage to a well, the treatment system shall be at least 200 feet away from the well.

mark.

involving the placement of fill material, separation distances are measured from the toe of the slope.

ences shall also be measured from the edge of the designated additional usable area as described in

If the wastewater treatment system shall be located at least 10 feet from any water service line (e.g. main, public water service line or residential well water service line).

are designed to be watertight and collect all effluent, the separation distance can be reduced to 50

all separation distances from contamination sources shall be increased by 50% whenever adjacent well at less than 50 feet below grade. If a 50% increase cannot be achieved, then the greatest separation distance shall be provided with such additional measures as needed to prevent

(TI) = Primary System

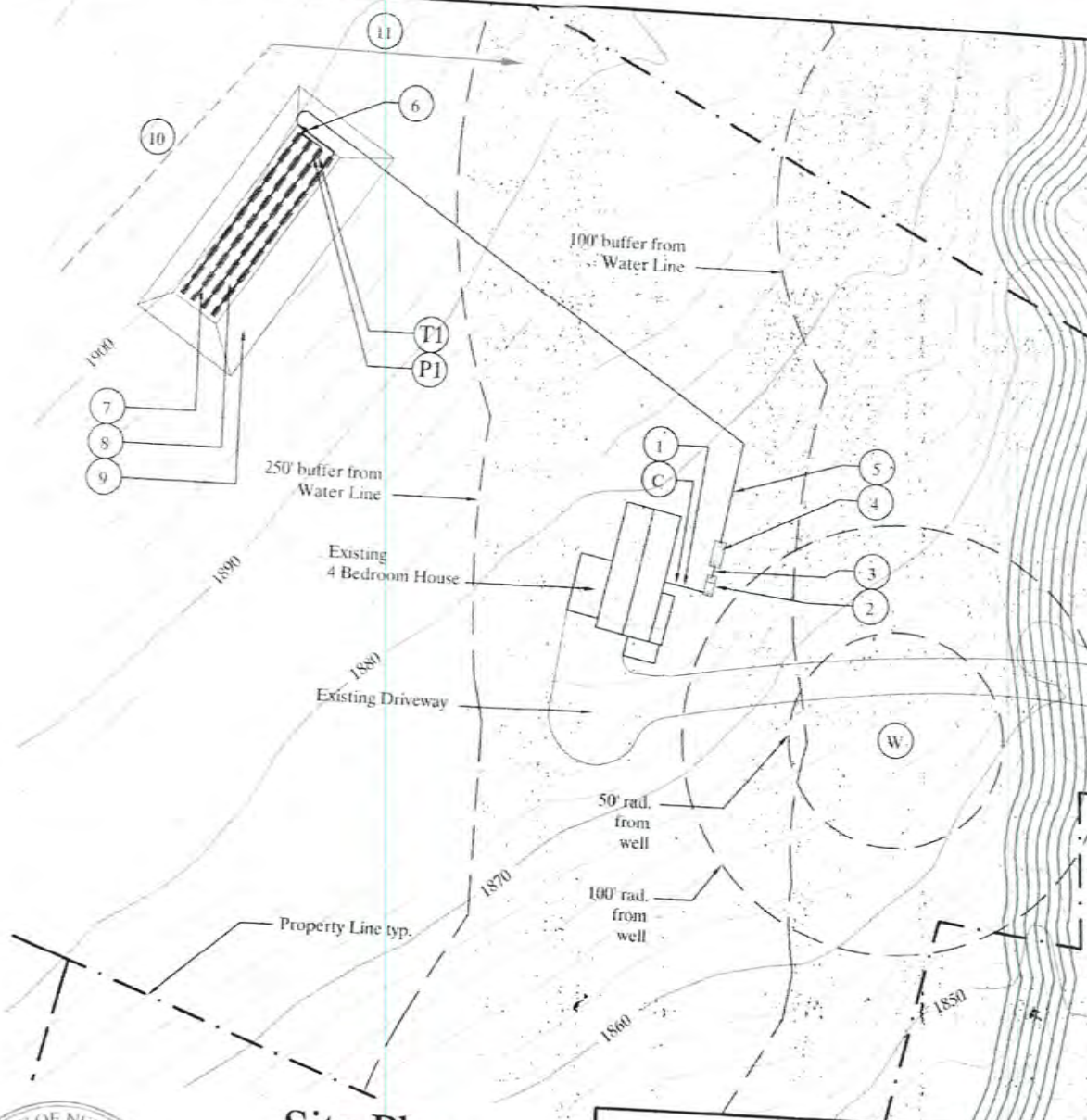
(W) = Well

(C) = Clean Out

Curtain Drain Key

--- = Perforated Pipe

— = Solid Pipe



Site Plan

SCALE 1"=60'

This is not a survey, Property lines are approximate based on information from owner, tax map, or survey by others.

Blanchard  
801 Walker Road  
Margaretville, NY 12455  
Tax I.D.# 243.-1-5

DATE: 01/31/26 Revision #1.03-13-26 DRAWN BY: JS.DS

John Bolger, PE  
P.O. Box 68  
Roxbury, NY 12474  
607-643-1538  
License Number: 098786  
Registered through Date 06-30-26

Stingel's Drafting  
33 Ridge Road Spur  
Roxbury, NY 12474  
607-326-7136

**Mark Bodnar (Flat Rocks House LLC) Over \$30,000:**

Address: 1066 Route 23A, Hunter, New York 12442

Town: Lexington

Bedrooms: 2

Engineer: Praetorius & Conrad, P.C.

Contractor: Blue Mountain Excavation, LLC

Sign In Date: 10/20/25

Design Application Received By DEP: 3/13/26

Design Application Deemed Complete: 4/22/26

Date Recommended for DEP Design Approval: 4/22/26

2-Year Deadline: 10/20/27

The major components include one 1,000-gallon septic tank, one siphon chamber, 171 l.f. of gravity pipe, an effluent filter, one distribution box, 431 c.y. of absorption fill material, 160 l.f. of absorption trench, 2 cleanouts, 300 l.f. of access rd., remove 20 trees, bucket materials and site restoration. The homeowner received three quotes. They were \$71,057.61, \$73,232.73 and \$74,700.00. The low quote is within 10% of our estimated cost for construction. This is a secondary residence eligible for 60% reimbursement.  $\$71,057.61 \times 60\% = \$42,634.57$ . Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$42,634.57.

**Cost Estimate**

**Homeowner:** Mark Bodnar  
**SBL #:** 145.00-1-24  
**Designer:** Praetorius & Conrad, P.C.  
**Completed By:** John Jacobson  
**Date:** 5/12/2026

**2026 Schedule of Values**

**Enter Values in Blue Shaded Cells**

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1,000 Gallon Tank With System	EA	1	\$4,917.79	\$4,917.79
	1,250 Gallon Tank With System	EA	0	\$5,371.95	\$0.00
	1/500 Gallon Tank With System	EA	0	\$5,822.91	\$0.00
2	Pump Chamber	EA	0	\$10,657.61	\$0.00
3	Syphon Chamber	EA	1	\$4,837.05	\$4,837.05
4	Gravity Piping 4" PVC	LF	171	\$13.36	\$2,284.56
5	Force Main 2"PVC	LF	0	\$11.36	\$0.00
6	D-Box	EA	1	\$879.97	\$879.97
7	Absorption Fill Material *	CY	431	\$28.85	\$12,434.35
8	Random Fill Material	CY	0	\$24.10	\$0.00
9	1 Hr. Haul Time	CY	431	\$10.50	\$4,525.50
10	Effluent Filter	EA	1	\$100.00	\$100.00
11	Conventional Absorption Bed	SF	0	\$6.25	\$0.00
12	Absorption Trench	LF	160	\$15.76	\$2,521.60
13	Eljen Units (Trench Systems)	SF	0	\$24.44	\$0.00
14	NYS DOT C-33 Sand (Trench)	CY	0	\$48.23	\$0.00
15	Eljen Units (Bed Systems)	SF	0	\$24.44	\$0.00
16	NYS DOT C-33 Sand (Bed)	CY	0	\$48.23	\$0.00
17	Presby Systems Pipe	LF	0	\$30.77	\$0.00
18	NYS DOT C-33 Sand (Presby)	CY	0	\$48.23	\$0.00
19	Vent Pipe	LF	0	\$11.52	\$0.00
19	Curtain Drain (36" Avg. Depth)	LF	0	\$21.10	\$0.00
20	Curtain Drain Outlet Pipe	LF	0	\$11.52	\$0.00
21	Swale	LF	0	\$7.39	\$0.00
22	Topsoil, Seed & Mulch	SF	9719	\$1.04	\$10,107.76
23	4" Clean Out	EA	2	\$185.00	\$370.00
24	Silt Fence	LF	0	\$3.73	\$0.00
25	Riser, First Foot & Lid	EA	3	\$184.00	\$552.00
26	Additional Riser Section	EA	0	\$98.00	\$0.00
27	Access Road	LF	300	\$20.70	\$6,210.00
29	Remove 20 Trees	EA	1	\$12,000.00	\$12,000.00
30	Bucket Material **	HR	20	\$165.00	\$3,300.00
31	* Topo Varies	EA	0	\$0.00	\$0.00
32	** Steep Slope to Leach Field		0	\$0.00	\$0.00
33			0	\$0.00	\$0.00
				<b>TOTAL</b>	\$65,040.58
				<b>ADD 10%</b>	\$71,544.64



**Kirk Daroci Over \$30,000:**

Address: 1190 Pines Brook Road, Walton, New York 13856

Town: Walton

Bedrooms: 2

Engineer: Headwaters Engineering, PLLC

Contractor: Dutcher Excavation

Sign In Date: 7/27/25

Design Application Received By DEP: 3/2/26

Design Application Deemed Complete: 3/16/26

Date Recommended for DEP Design Approval: 3/25/26

2-Year Deadline: 7/27/27

The major components include a 1,000-gallon septic tank, one siphon chamber, 183 l.f. of gravity pipe, one effluent filter, one distribution box, 200 c.y. of absorption fill material, 160 l.f. of absorption trench, 95 l.f. of curtain drain, 85 l.f. of curtain drain outlet pipe, 3 cleanouts, remove a rock wall, saw cut a road, 20 l.f. of 4-inch Schedule 80 pipe and site restoration. The homeowner received three quotes. They were \$43,067.91, \$44,765.00, and \$50,660.00. The low quote is within 10% of our estimated cost for construction. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$43,067.91.

**Cost Estimate**

**Homeowner:** Kirk Daroci  
**SBL #:** 272-2-9  
**Designer:** Ben Dates  
**Completed By:** Mitch Hull  
**Date:** 3/24/2026

**2026 Schedule of Values**

**Enter Values in Blue Shaded Cells**

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1,000 Gallon Tank With System	EA	1	\$4,917.79	\$4,917.79
	1,250 Gallon Tank With System	EA	0	\$5,371.95	\$0.00
	1/500 Gallon Tank With System	EA	0	\$5,822.91	\$0.00
2	Pump Chamber	EA	0	\$10,657.61	\$0.00
3	Syphon Chamber	EA	1	\$4,837.05	\$4,837.05
4	Gravity Piping 4" PVC	LF	183	\$13.36	\$2,444.88
5	Force Main 2"PVC	LF	0	\$11.36	\$0.00
6	D-Box	EA	1	\$879.97	\$879.97
7	Absorption Fill Material	CY	200	\$28.85	\$5,770.00
8	Random Fill Material	CY	0	\$24.10	\$0.00
9	1 Hr. Haul Time	CY	200	\$10.50	\$2,100.00
10	Effluent Filter	EA	1	\$100.00	\$100.00
11	Conventional Absorption Bed	SF	0	\$6.25	\$0.00
12	Absorption Trench	LF	160	\$15.76	\$2,521.60
13	Eljen Units (Trench Systems)	SF	0	\$24.44	\$0.00
14	NYS DOT C-33 Sand (Trench)	CY	0	\$48.23	\$0.00
15	Eljen Units (Bed Systems)	SF	0	\$24.44	\$0.00
16	NYS DOT C-33 Sand (Bed)	CY	0	\$48.23	\$0.00
17	Presby Systems Pipe	LF	0	\$30.77	\$0.00
18	NYS DOT C-33 Sand (Presby)	CY	0	\$48.23	\$0.00
19	Vent Pipe	LF	0	\$11.52	\$0.00
19	Curtain Drain (36" Avg. Depth)	LF	95	\$21.10	\$2,004.50
20	Curtain Drain Outlet Pipe	LF	85	\$11.52	\$979.20
21	Swale	LF	0	\$7.39	\$0.00
22	Topsoil, Seed & Mulch	SF	11565	\$1.04	\$12,027.60
23	4" Clean Out	EA	3	\$185.00	\$555.00
24	Silt Fence	LF	0	\$3.73	\$0.00
25	Riser, First Foot & Lid	EA	3	\$184.00	\$552.00
26	Additional Riser Section	EA	0	\$98.00	\$0.00
27	Access Road	LF	0	\$20.70	\$0.00
29	remove rock wall		1	\$750.00	\$750.00
30	saw cut road		1	\$750.00	\$750.00
31	4 in sch 80	LF	20	\$21.71	\$434.20
32			0	\$0.00	\$0.00
33			0	\$0.00	\$0.00
				<b>TOTAL</b>	\$41,623.79
				<b>ADD 10%</b>	\$45,786.17

NY DEP APPROVAL\*  
 FOR CONSTRUCTION

CITY OF NEW YORK  
 DEPT. OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER SUPPLY  
 REGULATORY AND ENGINEERING PROGRAMS

**APPROVED**

PROJECT TO SPECIFIED CONDITIONS IN  
 PERMITS EXPIRATION DATE: 03/15/2018

Walter (C): Delaware  
 770-29

APPROVED BY: Hugh Hill

PERMITS EXPIRATION DATE: 03/15/2018

UNLESS CONSTRUCTION IS COMPLETED.

**NRCS SOIL GROUPS**

SOIL GROUP NAME	SOIL GROUP ID	HYDROLOGIC SOIL GROUP	HYDRIC SOIL RATING	NATURAL DRAINAGE CLASS
channery silt	Wec	D	No	Moderately well drained

channery silt  
 15% slopes

channery silt  
 15% slopes

channery silt  
 15% slopes

channery silt  
 15% slopes

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channery silt  
 15% slopes

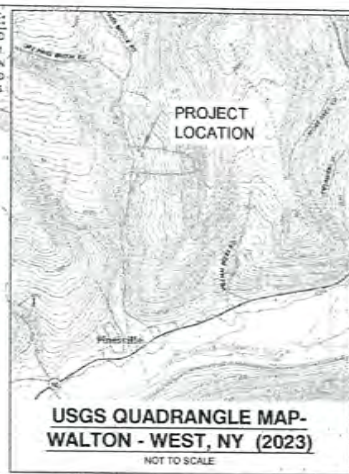
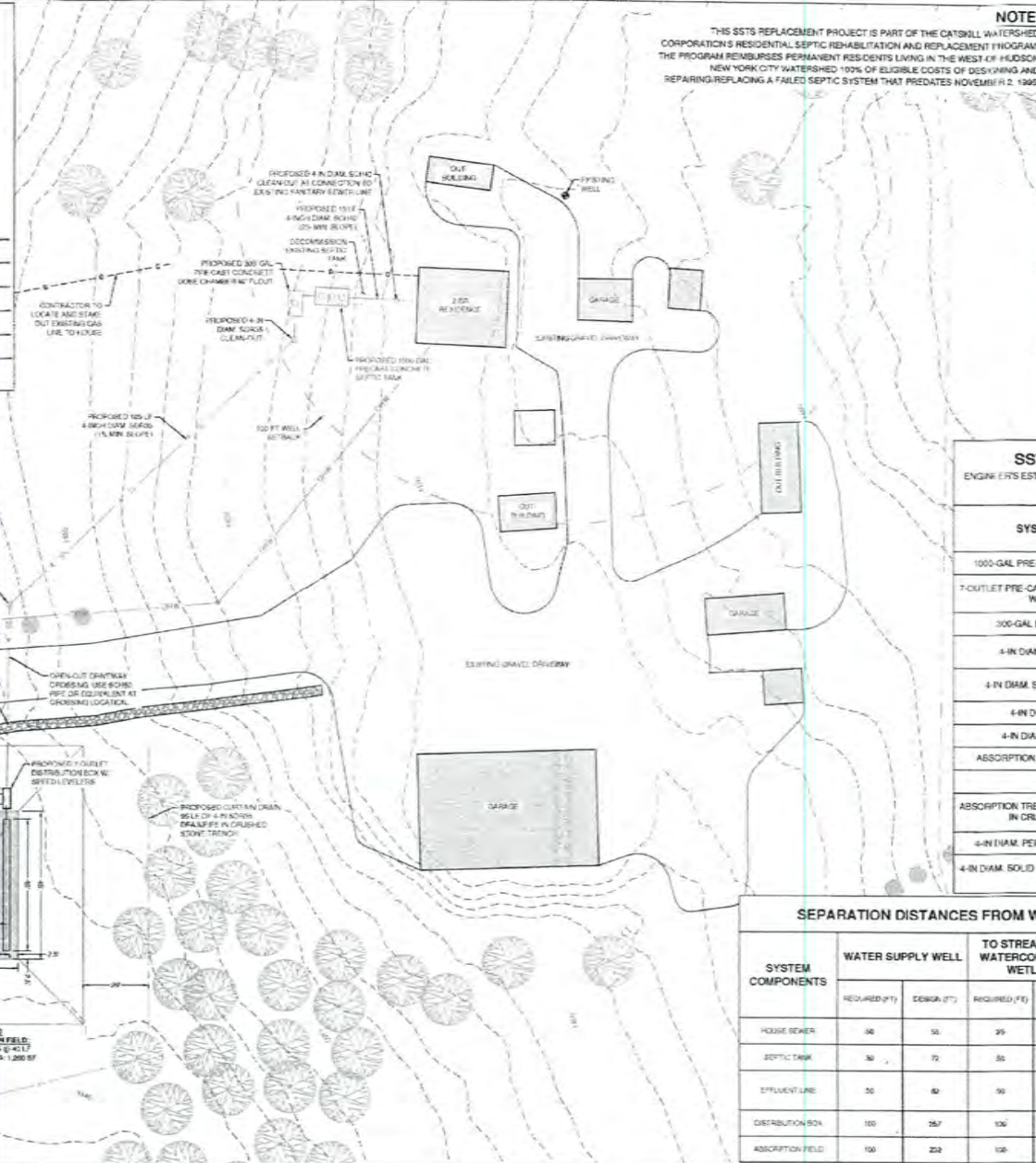
channery silt  
 15% slopes

channery silt  
 15% slopes

channery silt  
 15% slopes

channery silt  
 15% slopes

channery silt  
 15% slopes



USGS QUADRANGLE MAP - WALTON - WEST, NY (2023)  
 NOT TO SCALE

**SSTS CONSTRUCTION QUANTITIES\***  
 ENGINEER'S ESTIMATE. CONTRACTOR TO BE RESPONSIBLE FOR OWN TAKE-OFFS AND FINAL QUANTITIES FOR OWC PROPOSAL.

SYSTEM COMPONENT	QUANTITY	UNIT
1000-GAL PRE-CAST CONCRETE SEPTIC TANK	1	EA
7-OUTLET PRE-CAST CONCRETE DISTRIBUTION BOX W/ SPEED LEVELLERS	1	EA
300-GAL DOSE CHAMBER W/ FLOUT	1	EA
4-IN DIAM. SCH40 PVC CLEAN-OUT	1	EA
4-IN DIAM. SCH40 PVC SANITARY SEWER	15	LF
4-IN DIAM. SDR35 CLEAN-OUT	2	EA
4-IN DIAM. SDR35 EFFLUENT LINE	185	LF
ABSORPTION FILL (5-15 MIN./IN. PERC. RATE)	200	CY
TOPSOIL	85	CY
ABSORPTION TRENCH (4-IN DIAM. SDR35 PERF. PIPE IN CRUSHED STONE TRENCH)	180	LF
4-IN DIAM. PERF. SDR35 PIPE CURTAIN DRAIN	85	LF
4-IN DIAM. SOLID SDR35 CURTAIN DRAIN OUTLET W/ ANIMAL GUARD	85	LF

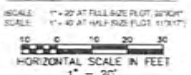
**SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS**

SYSTEM COMPONENTS	WATER SUPPLY WELL		TO STREAM, LAKE, WATERCOURSE, OR WETLAND		DWELLING		PROPERTY LINE	
	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)
HOUSE SEWER	10	50	25	50	3	211	10	192
SEPTIC TANK	10	70	50	50	10	259	10	192
EFFLUENT LINE	50	80	50	100	10	214	10	332
DISTRIBUTION BOX	100	25	100	375	20	194	10	408
ABSORPTION FIELD	100	250	100	344	20	189	10	108

**GENERAL NOTES**

1. PARCEL LINES SHOWN ON DRAWINGS WERE OBTAINED FROM NYC DELAWARE COUNTY GIS DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT PARCEL BOUNDARY LINES SHOWN ARE CONSISTENT WITH THE ACTUAL PROPERTY BOUNDARY AND THAT THE PROPOSED ABSORPTION FIELD AND ASSOCIATED COMPONENTS ARE NOT ON AN ADJACENT PARCEL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING SITE TO VERIFY CONDITIONS THAT AFFECT THE WORK SHOWN ON THE DRAWINGS. CONTRACTOR TO NOTIFY THE ENGINEER OF ANY OBSERVANCES PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY THE SAFETY NEW YORK 1-800-962-7662, THE PROJECT OWNER/OPERATOR, THE PROJECT ENGINEER OR BENJAMIN DATES, P.E. AND THE NYC DEP 311 AND 311-NY-TRASH A MINIMUM OF TWO DAYS PRIOR TO THE START OF CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HEAD-VERIFY THE LOCATION OF UNDERGROUND UTILITIES AND LOCATE ANY POTENTIAL CONFLICTS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE HOMEOWNERS TO HEAD-VERIFY ANY PRIVATE UTILITIES ON-SITE.
5. IF A SWALE AND/OR CURTAIN DRAIN ARE PROPOSED ABOVE THE NEW ABSORPTION FIELD, CONTRACTOR TO INSTALL THESE ITEMS BEFORE CONSTRUCTING THE ABSORPTION FIELD.
6. PRIOR TO PLACEMENT OF FILL FOR THE ABSORPTION FIELD, CONTRACTOR TO SCARIFY ENTIRE SURFACE AREA USING BUCKET FIFTH OR OTHER APPROVED METHOD. 300 LBS PER BAG SHALL BE SPREAD SO THAT THE PLACED FILL IS UNIFORMLY BLENDED INTO SOIL. CONTRACTOR SHALL INSURE THAT EXISTING DRAINAGE PATTERN DOES NOT INTERFERE WITH OR THROUGH THE PLACED FILL AND SURVEY THE USABLE OIL ON-SITE.
7. ALL AREAS OF PERFORMANCE SHALL BE STABILIZED WITH SEED AND MULCH FOLLOWING CONSTRUCTION COMPLETION.
8. THE SEPTIC SYSTEM MAY BE INSTALLED IN THE HORIZON AS SHOWN ON THESE PLANS. THE PROJECT ENGINEER AND THE NYC DEP MUST BE CONTACTED AND CONSULTED PRIOR TO ANY DEVIATION OF ANY KIND.
9. COVER ALL INVERTS WITH PROJECT ENGINEER'S DURING OWC CONSTRUCTION.

**OVERALL PLAN**



**SOIL TEST RESULTS**

TEST PIT ID	SLOPE THROUGH TEST PIT (%)	DEPTH OF TEST PIT (IN)	DEPTH TO BOUNDARY CONDITION (IN)	BOUNDARY CONDITION / LIMITING STRATA LAYER	ROOT DEPTH (IN)	USABLE SOIL DEPTH (IN)	PERCOLATION TEST HOLE DEPTH (IN)	PERCOLATION RATE (MIN./IN)
TOP1	12	21	23	FRAGMENT	23	23	12	1.700 @ 2.700 2.270

1. DEEP TEST PIT ANALYSIS AND PERCOLATION TESTS PERFORMED ON 7/10/25 BY BENJAMIN DATES, P.E. AND WITNESSED BY NIKOLE (NYC DEP) WEATHER DURING ANALYSIS. 7/17/25 AND CLEAR.
2. NYCSOIL TYPE BOUNDARY LOCATED AT TEST PIT LOCATION. WELLSBORO CHANNERY SILT LOAM. SOIL ENCOUNTERED DURING TEST PIT INVESTIGATIONS WAS SILTY LOAM.

CV  
 RESIDE  
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2-1  
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TOWN OF  
 DELAWARE  
 NEW

APPLIC  
 ELLEN C  
 KIRK D

APPLICANT  
 1190 PINES B  
 WALTON,

PROJECT,  
 1190 PINES B  
 WALTON,

PROJECT  
 272.

PROJ.  
 LATITUDE &  
 42.17059 N,



REVISE  
 NO. DATE  
 1 5.17.25  
 RE

PROPOSED F  
 SSTS REPL  
 PL

Drawing Date:  
 NOTE: Unchecked items  
 drawing is a release  
 of information. See also



Project Name:  
 WAL-022

Drawing Number:

C01

**Olivia Heffernan Over \$30,000:**

Address: 1044 County Highway 6, Margaretville, New York 12455

Town: Middletown

Bedrooms: 4

Engineer: Headwaters Engineering, PLLC

Contractor: LaFever Excavating, Inc.

Sign In Date: 8/29/25

Design Application Received By DEP: 2/25/26

Design Application Deemed Complete: 3/3/26

Date Recommended for DEP Design Approval: 3/10/26

2-Year Deadline: 8/29/27

The major components include a 1,250-gallon septic tank, one siphon chamber, 198 l.f. of gravity pipe, an effluent filter, one distribution box, 275 c.y. of absorption fill material, 275 l.f. of absorption trench, 110 l.f. of curtain drain, 90 l.f. of curtain drain outlet pipe, 5 cleanouts, 60 l.f. of 4-inch Schedule 80 pipe, remove 10 trees and site restoration. The homeowner received three quotes. They were \$56,800.00, \$57,385.00, and \$61,320.00. The low quote is within 10% of our estimated cost for construction. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$56,800.00.

**Cost Estimate**

**Homeowner:** Olivia Heffernan  
**SBL #:** 283-2-9  
**Designer:** Ben Dates  
**Completed By:** Mitch Hull  
**Date:** 3/26/2026

**2026 Schedule of Values**

**Enter Values in Blue Shaded Cells**

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1,000 Gallon Tank With System	EA	0	\$4,917.79	\$0.00
	1,250 Gallon Tank With System	EA	1	\$5,371.95	\$5,371.95
	1/500 Gallon Tank With System	EA	0	\$5,822.91	\$0.00
2	Pump Chamber	EA	0	\$10,657.61	\$0.00
3	Syphon Chamber	EA	1	\$4,837.05	\$4,837.05
4	Gravity Piping 4" PVC	LF	198	\$13.36	\$2,645.28
5	Force Main 2"PVC	LF	0	\$11.36	\$0.00
6	D-Box	EA	1	\$879.97	\$879.97
7	Absorption Fill Material	CY	275	\$28.85	\$7,933.75
8	Random Fill Material	CY	0	\$24.10	\$0.00
9	1 Hr. Haul Time	CY	275	\$10.50	\$2,887.50
10	Effluent Filter	EA	1	\$100.00	\$100.00
11	Conventional Absorption Bed	SF	0	\$6.25	\$0.00
12	Absorption Trench	LF	275	\$15.76	\$4,334.00
13	Eljen Units (Trench Systems)	SF	0	\$24.44	\$0.00
14	NYSDOT C-33 Sand (Trench)	CY	0	\$48.23	\$0.00
15	Eljen Units (Bed Systems)	SF	0	\$24.44	\$0.00
16	NYSDOT C-33 Sand (Bed)	CY	0	\$48.23	\$0.00
17	Presby Systems Pipe	LF	0	\$30.77	\$0.00
18	NYSDOT C-33 Sand (Presby)	CY	0	\$48.23	\$0.00
19	Vent Pipe	LF	0	\$11.52	\$0.00
19	Curtain Drain (36" Avg. Depth)	LF	110	\$21.10	\$2,321.00
20	Curtain Drain Outlet Pipe	LF	90	\$11.52	\$1,036.80
21	Swale	LF	0	\$7.39	\$0.00
22	Topsoil, Seed & Mulch	SF	13150	\$1.04	\$13,676.00
23	4" Clean Out	EA	5	\$185.00	\$925.00
24	Silt Fence	LF	0	\$3.73	\$0.00
25	Riser, First Foot & Lid	EA	3	\$184.00	\$552.00
26	Additional Riser Section	EA	0	\$98.00	\$0.00
27	Access Road	LF	0	\$20.70	\$0.00
29	4" sch 80	LF	60	\$0.00	\$0.00
30	10 trees to be removed		1	\$4,500.00	\$4,500.00
31			0	\$0.00	\$0.00
32			0	\$0.00	\$0.00
33				\$0.00	\$0.00
				<b>TOTAL</b>	\$52,000.30
				<b>ADD 10%</b>	\$57,200.33

**DEP APPROVAL\***  
 APPROVED FOR CONSTRUCTION

CITY OF NEW YORK  
 DEPT. OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER SUPPLY  
 REGULATORY AND ENGINEERING PROGRAMS

**APPROVED**

EFFECT TO SPECIFIED CONDITIONS IN  
 TERMINATION DATED: 03/10/2026

Olivia Heffernan  
 203-2-9

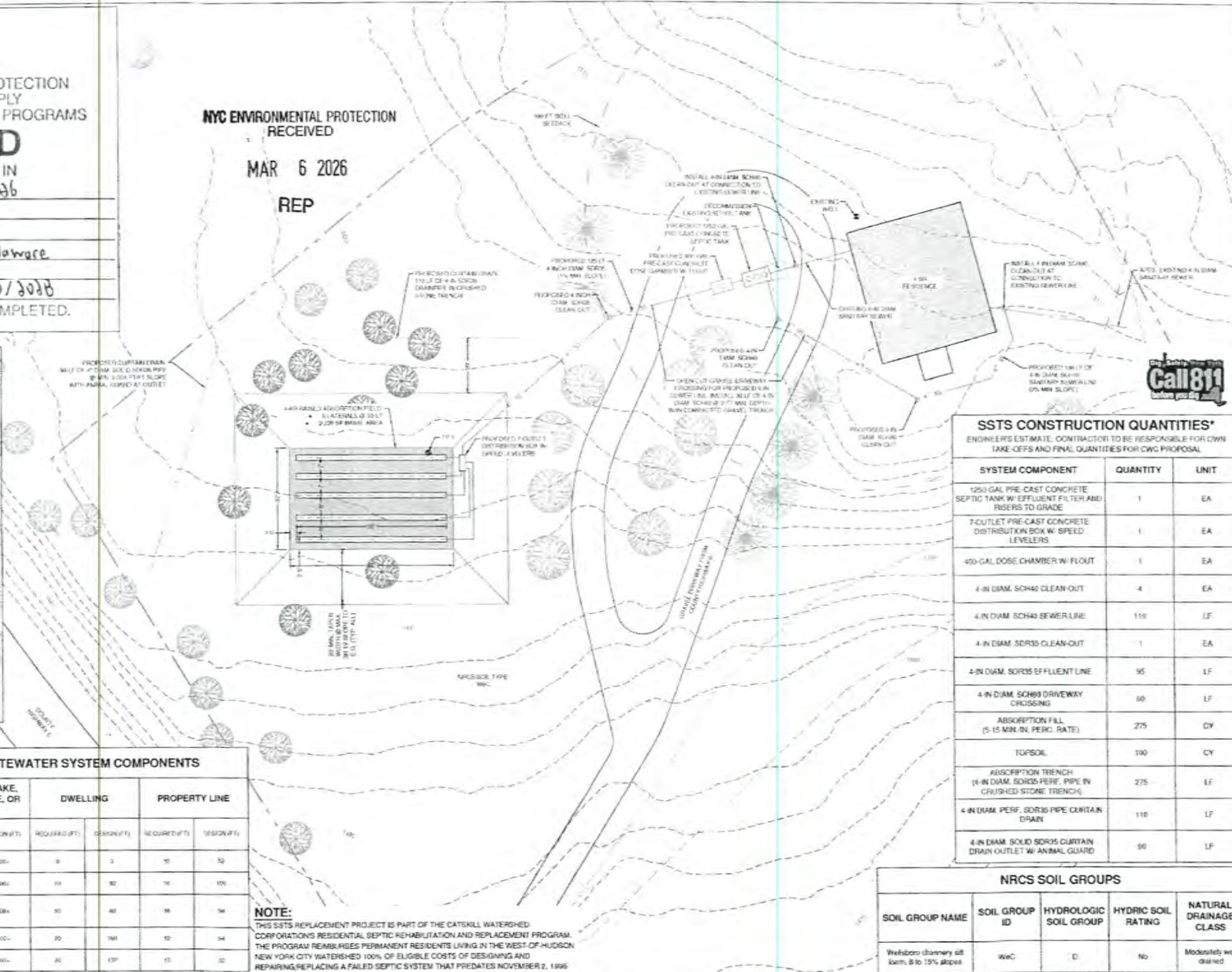
Middletown (C) Delaware  
 APPROVED BY: *Delaware*

OVERVAL EXPIRATION DATE: 03/10/2026  
 UNLESS CONSTRUCTION IS COMPLETED.

NYC ENVIRONMENTAL PROTECTION  
 RECEIVED

MAR 6 2026

REP



**SSTS CONSTRUCTION QUANTITIES\***

ENGINEERS ESTIMATE. CONTRACTOR TO BE RESPONSIBLE FOR OWN TAKE-OFFS AND FINAL QUANTITIES FOR CWC PROPOSAL

SYSTEM COMPONENT	QUANTITY	UNIT
1250 GAL PRE-CAST CONCRETE SEPTIC TANK W/ EFFLUENT FILTER AND RISERS TO GRADE	1	EA
7" OUTLET PRE-CAST CONCRETE DISTRIBUTION BOX W/ SPEED LEVELERS	1	EA
450 GAL DOSE CHAMBER W/ FLOUT	1	EA
4 IN DIAM. SCH40 CLEAN-OUT	4	EA
4 IN DIAM. SCH40 SEWER LINE	110	LF
4 IN DIAM. SDR35 CLEAN-OUT	1	EA
4 IN DIAM. SDR35 EFFLUENT LINE	95	LF
4 IN DIAM. SCH80 DRIVEWAY CROSSING	60	LF
ABSORPTION FILL (5-15 MIN. IN. PERC. RATE)	275	CY
TOPSOIL	100	CY
ABSORPTION TRENCH (14-IN DIAM. SDR35 PERF. PIPE IN CRUSHED STONE TRENCH)	275	LF
4 IN DIAM. PERF. SDR35 PIPE CURTAIN DRAIN	110	LF
4 IN DIAM. SOLID SDR35 CURTAIN DRAIN OUTLET W/ ANIMAL GUARD	90	LF

**NRCS SOIL GROUPS**

SOIL GROUP NAME	SOIL GROUP ID	HYDROLOGIC SOIL GROUP	HYDRIC SOIL RATING	NATURAL DRAINAGE CLASS
Wellboro (clayey silt loam, 8 to 15% slopes)	WcC	D	No	Modestly well drained

**SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS**

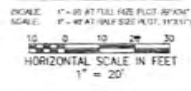
SYSTEM COMPONENTS	WATER SUPPLY WELL		TO STREAM, LAKE, WATERCOURSE, OR WETLAND		DWELLING		PROPERTY LINE	
	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)
SEWER	50	10	25	300	0	0	10	50
SEWER TANK	50	50	50	100	10	30	10	100
SEWER LINE	50	40	50	100	0	40	10	10
DISTRIBUTION BOX	100	100	100	100	0	100	10	10
ABSORPTION FIELD	100	140	100	100	20	130	10	10

**NOTE:**  
 THIS SSTS REPLACEMENT PROJECT IS PART OF THE CATSKILL WATERSHED CORPORATION'S RESIDENTIAL SEPTIC REHABILITATION AND REPLACEMENT PROGRAM. THE PROGRAM REIMBURSES PERMANENT RESIDENTS LIVING IN THE WEST-OF-HUDSON NEW YORK CITY WATERSHED 100% OF ELIGIBLE COSTS OF DESIGNING AND REPAIRING/REPLACING A FAILED SEPTIC SYSTEM THAT PREDATES NOVEMBER 2, 1995

**GENERAL NOTES**

1. EXISTING UTILITIES AND DIMENSIONS WERE OBTAINED FROM THE DELAWARE COUNTY GIS DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT PARCEL BOUNDARY LINES, EXISTING COMPONENTS ARE NOT ON AN ADJACENT PARCEL.
2. CONTRACTOR SHALL THOROUGHLY INSPECT AND VERIFY EXISTING SITE TO VERIFY CONDITIONS THAT AFFECT THE WORK SHOWN ON THE DRAWINGS. CONTRACTOR TO NOTIFY THE OWNER OF ANY CONCERNS PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY THE NEW YORK STATE DEP (9025) THE PROJECT OWNER/OPERATOR, THE PROJECT ENGINEER (BENJAMIN DATES, P.E.), AND THE NYC DEP (9025) AS A MEMBER OF THE DESIGN TEAM PRIOR TO THE START OF CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES AND LOCATE ANY POTENTIAL CONFLICTS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE HOMEOWNER TO VERIFY ANY PRIVATE UTILITIES CHANGES.
4. IF A SAIL E AND/OR CURTAIN DRAIN ARE PROPOSED ABOVE THE NEW ABSORPTION FIELD, CONTRACTOR TO INSTALL THESE ITEMS BEFORE CONSTRUCTING THE ABSORPTION FIELD.
5. PRIOR TO PLACEMENT OF FILL FOR THE ABSORPTION FIELD, CONTRACTOR TO SECURELY COVER SURFACE AREA USING ROCKS OR OTHER SUITABLE METHOD. ROCKS SHALL BE SPREAD SO THAT THE PLACED FILL IS DIRECTLY IN CONTACT WITH EXISTING ABSORPTION BOX. CONTRACTOR SHALL ENSURE THAT EXISTING GRASS/LEAF LITTER DOES NOT OBSTRUCT INFILTRATION THROUGH THE PLACED FILL AND INTO THE UNDERLYING SOIL PROFILE.
6. ALL AREAS OF DISPERFANCE SHALL BE STABILIZED WITH SEED AND MULCH FOLLOWING CONSTRUCTION COMPLETION.
7. THE SEPTIC SYSTEM MUST BE INSTALLED IN THE MANNER AS SPECIFIED ON THESE PLANS. THE PROJECT ENGINEER AND THE NYC DEP MUST BE CONTACTED AND CONSULTED PRIOR TO ANY SIGNIFICANT CHANGES.
8. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER DURING CONSTRUCTION.

**OVERALL PLAN**



**SOIL TEST RESULTS**

TEST PIT ID	SLOPE THROUGH TEST PIT (%)	DEPTH OF TEST PIT (IN)	DEPTH TO BOUNDARY CONDITION (IN)	BOUNDARY CONDITION/LIMITING STRATIGRAPHIC LAYER	ROOT DEPTH (IN)	USABLE SOIL DEPTH (IN)	PERCOLATION TEST HOLE DEPTH (IN)	PERCOLATION RATE (MIN./IN)
1 (P)	4	34	22	MOTTLED CLAY	22	22	12	1.41 (1" @ 30" @ 70")

1. DEEP TEST PIT ANALYSIS AND PERCOLATION TESTS PERFORMED ON 10/05/25 BY BENJAMIN DATES, P.E. AND WITNESSED BY N. KOLLE (NYC DEP). WEATHER DURING ANALYSIS: 40F AND CLEAR.  
 2. NRCS SOIL TYPE BOUNDARY LOCATED AT TEST PIT LOCATION: WELLBORO CHANNELLY SOIL LOAM. SOIL ENCLOSED PERIAPS TEST PIT INVESTIGATIONS WERE SILTY LOAM.

CW  
 RESIDE  
 SS  
 REPLAC

4-E  
 RAISED S

TOWN OF MI  
 DELAWARE  
 NEW Y

APPLK  
 OLIVIA HE

APPLICANT  
 1044 COUNTY  
 MARGARETVIL

PROJECT /  
 1044 COUNTY  
 PO BO:  
 MARGARETVIL

PROJECT  
 283.

PRO.  
 LATITUDE &  
 42.16022 N.

**HEADLINE ENGINEER**  
 1025 Hobo  
 South Korteg  
 cell: 315  
 email: bdates

REV#	NO.	DATE	DESCR	BY
1	1	2.2.26	FE	

PROPOSED F  
 SSTS REPL  
 PL

Drawing Set  
 NRCS: Unauthenticated electronic drawing. In violation of Education Law Article 1204.



Project Number: MID-025  
 Drawing Number: M

**C01**

**David Lopato Over \$30,000:**

Address: 159 Cold Brook Rd., Bearsville, NY 12409

Town: Woodstock

Bedrooms: 3

Engineer: Rex Sanford, P.E.

Contractor: Chad Davis Contracting

Sign In Date: 4/9/25

Design Application Received By DEP: 2/20/26

Design Application Deemed Complete: 4/16/26

Date Recommended for DEP Design Approval: 4/16/26

2-Year Deadline: 4/9/27

The major components include a 1,000-gallon septic tank, 83 l.f. of gravity pipe, one effluent filter, one distribution box, 155 c.y. of absorption fill material, 250 l.f. of absorption trench, 120 l.f. of curtain drain, 25 l.f. of curtain drain outlet pipe, 145 l.f. of access rd., 39 trees to be removed, set tank with a large excavator, temp. culvert, extend existing drain, and site restoration. The homeowner received three quotes. They were \$61,593.08, \$66,196.28, and \$69,094.20. The low quote is within 10% of our estimated cost for construction. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$61,593.08.

**Cost Estimate**

**Homeowner:** David Lopato  
**SBL #:** 37.1-2-7  
**Designer:** Rex Sanford  
**Completed By:** Mitch Hull  
**Date:** 3/2/2026

**2026 Schedule of Values**

**Enter Values in Blue Shaded Cells**

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1,000 Gallon Tank With System	EA	1	\$4,917.79	\$4,917.79
	1,250 Gallon Tank With System	EA	0	\$5,371.95	\$0.00
	1/500 Gallon Tank With System	EA	0	\$5,822.91	\$0.00
2	Pump Chamber	EA	0	\$10,657.61	\$0.00
3	Syphon Chamber	EA	0	\$4,837.05	\$0.00
4	Gravity Piping 4" PVC	LF	83	\$13.36	\$1,108.88
5	Force Main 2"PVC	LF	0	\$11.36	\$0.00
6	D-Box	EA	1	\$879.97	\$879.97
7	Absorption Fill Material	CY	155	\$28.85	\$4,471.75
8	topsoil, stone haul	CY	190	\$15.75	\$2,992.50
9	1 Hr. Haul Time	CY	155	\$15.75	\$2,441.25
10	Effluent Filter	EA	1	\$100.00	\$100.00
11	Conventional Absorption Bed	SF	0	\$6.25	\$0.00
12	Absorption Trench	LF	250	\$15.76	\$3,940.00
13	Eljen Units (Trench Systems)	SF	0	\$24.44	\$0.00
14	NYS DOT C-33 Sand (Trench)	CY	0	\$48.23	\$0.00
15	Eljen Units (Bed Systems)	SF	0	\$24.44	\$0.00
16	NYS DOT C-33 Sand (Bed)	CY	0	\$48.23	\$0.00
17	Presby Systems Pipe	LF	0	\$30.77	\$0.00
18	NYS DOT C-33 Sand (Presby)	CY	0	\$48.23	\$0.00
19	Vent Pipe	LF	0	\$11.52	\$0.00
19	Curtain Drain (36" Avg. Depth)	LF	120	\$21.10	\$2,532.00
20	Curtain Drain Outlet Pipe	LF	25	\$11.52	\$288.00
21	Swale	LF	0	\$7.39	\$0.00
22	Topsoil, Seed & Mulch	SF	9165	\$1.04	\$9,531.60
23	4" Clean Out	EA	1	\$185.00	\$185.00
24	Silt Fence	LF	0	\$3.73	\$0.00
25	Riser, First Foot & Lid	EA	2	\$184.00	\$368.00
26	Additional Riser Section	EA	0	\$98.00	\$0.00
27	Access Road	LF	145	\$20.70	\$3,001.50
29	39 trees to be removed		1	\$18,750.00	\$18,750.00
30	set tank with large excavator		1	\$1,500.00	\$1,500.00
31	temp culvert		1	\$750.00	\$750.00
32	Extend existing drain		65	\$11.52	\$748.80
33			0	\$0.00	\$0.00
				<b>TOTAL</b>	\$58,507.04
				<b>ADD 10%</b>	\$64,357.74



**Tobias Maendel Over \$30,000:**

Address: 2101 Fall Clove Road, Delancey, New York 13752

Town: Andes

Bedrooms: 4

Engineer: Headwaters Engineering, PLLC

Contractor: Jason Mondore Excavating & Property Management

Sign In Date: 6/20/25

Design Application Received By DEP: 9/22/25

Design Application Deemed Complete: 10/10/25

Date Recommended for DEP Design Approval: 11/17/25

2-Year Deadline: 6/20/27

The major components include one 1,250-gallon septic tank, a pump chamber; 10 l.f. of gravity pipe; 185 l.f. of force main; an effluent filter; one distribution box; 335 c.y. of absorption fill material; 210 l.f. of absorption trench; 165 l.f. of curtain drain; 115 l.f. of curtain drain outlet pipe; 260 l.f. of access road; remove 4 trees, saplings and brush and site restoration. The homeowner received three quotes. They were \$65,788.02, \$65,987.00, and \$70,707.00. The low quote is within 10% of our estimated cost for construction. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$65,788.02.

**Cost Estimate**

**Homeowner:** Tobias Maendel  
**SBL #:** 301-1-27.22  
**Designer:** Benjamin Dates  
**Completed By:** Mitch Hull  
**Date:** 2/2/2026

**2026 Schedule of Values**

**Enter Values in Blue Shaded Cells**

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1,000 Gallon Tank With System	EA	0	\$4,917.79	\$0.00
	1,250 Gallon Tank With System	EA	1	\$5,371.95	\$5,371.95
	1/500 Gallon Tank With System	EA	0	\$5,822.91	\$0.00
2	Pump Chamber	EA	1	\$10,657.61	\$10,657.61
3	Syphon Chamber	EA	0	\$4,837.05	\$0.00
4	Gravity Piping 4" PVC	LF	10	\$13.36	\$133.60
5	Force Main 2"PVC	LF	185	\$11.36	\$2,101.60
6	D-Box	EA	1	\$879.97	\$879.97
7	Absorption Fill Material	CY	335	\$28.85	\$9,664.75
8	Random Fill Material	CY	0	\$24.10	\$0.00
9	1 Hr. Haul Time	CY	335	\$15.75	\$5,276.25
10	Effluent Filter	EA	1	\$100.00	\$100.00
11	Conventional Absorption Bed	SF	0	\$6.25	\$0.00
12	Absorption Trench	LF	210	\$15.76	\$3,309.60
13	Eljen Units (Trench Systems)	SF	0	\$24.44	\$0.00
14	NYS DOT C-33 Sand (Trench)	CY	0	\$48.23	\$0.00
15	Eljen Units (Bed Systems)	SF	0	\$24.44	\$0.00
16	NYS DOT C-33 Sand (Bed)	CY	0	\$48.23	\$0.00
17	Presby Systems Pipe	LF	0	\$30.77	\$0.00
18	NYS DOT C-33 Sand (Presby)	CY	0	\$48.23	\$0.00
19	Vent Pipe	LF	0	\$11.52	\$0.00
19	Curtain Drain (36" Avg. Depth)	LF	165	\$21.10	\$3,481.50
20	Curtain Drain Outlet Pipe	LF	115	\$11.52	\$1,324.80
21	Swale	LF	0	\$7.39	\$0.00
22	Topsoil, Seed & Mulch	SF	10850	\$1.04	\$11,284.00
23	4" Clean Out	EA	1	\$185.00	\$185.00
24	Silt Fence	LF	0	\$3.73	\$0.00
25	Riser, First Foot & Lid	EA	3	\$184.00	\$552.00
26	Additional Riser Section	EA	0	\$98.00	\$0.00
27	Access Road	LF	260	\$20.70	\$5,382.00
29	4 trees + sapling and brush		1	\$2,000.00	\$2,000.00
30			0	\$0.00	\$0.00
31			0	\$0.00	\$0.00
32			0	\$0.00	\$0.00
33			0	\$0.00	\$0.00
				<b>TOTAL</b>	\$61,704.63
				<b>ADD 10%</b>	\$67,875.09

**SSTS CONSTRUCTION QUANTITIES\***

ENGINEER'S ESTIMATE. CONTRACTOR TO BE RESPONSIBLE FOR OWN TAKE-OFFS AND FINAL QUANTITIES FOR CWC PROPOSAL.

SYSTEM COMPONENT	QUANTITY	UNIT
1000-GAL PRE-CAST CONCRETE SEPTIC TANK	1	EA
1000-GAL PRE-CAST CONCRETE PUMP CHAMBER	1	EA
CHAMPION CP-STEP 1522(A) PUMP SYSTEM, 1-1/2 HP PUMP W/ SIMPLEX CONTROL PANEL	1	EA
UNDERGROUND ELECTRIC FROM HOUSE TO PROPOSED PUMP CHAMBER	25	LF
10-OUTLET PRE-CAST CONCRETE DISTRIBUTION BOX (FOR PUMPED EFFLUENT)	1	EA
4-IN DIAM. SCH40 CLEAN-CUT	1	EA
4-IN DIAM. SCH40 SANITARY SEWER	5	LF
4 IN DIAM. SD355 EFFLUENT LINE	5	LF
2 IN DIAM. HDPE FORCE MAIN	185	LF
TEMPORARY ACCESS ROAD	260	LF
ABSORPTION FILL (5-15 MIN. IN PERC. RATE)	335	CY
TOPSOIL	50	CY
ABSORPTION TRENCH (4-IN DIAM. SD355 PERF. PIPE IN CRUSHED STONE TRENCH)	210	LF
4-IN DIAM. PERF. SD355 PIPE CURTAIN DRAIN	165	LF
4-IN DIAM. SOLID SD355 CURTAIN DRAIN OUTLET W/ ANIMAL GUARD	115	LF

**SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS**

SYSTEM COMPONENTS	WATER SUPPLY WELL		TO STREAM, LAKE, WATERCOURSE, OR WETLAND		DWELLING		PROPERTY LINE	
	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)	REQUIRED (FT)	DESIGN (FT)
HOUSE SEWER	10	60	25	100	3	3	10	14
SEPTIC TANK	10	60	50	150	10	10	10	9
EFFLUENT LINE	50	75	50	100	10	15	10	8
DISTRIBUTION BOX	100	200	100	175	10	100	10	17
ABSORPTION FIELD	110	120	100	100	20	150	10	0

**NOTE:**

THIS SSTS REPLACEMENT PROJECT IS PART OF THE CATAKILL WATERSHED CORPORATION'S RESIDENTIAL SEPTIC REHABILITATION AND REPLACEMENT PROGRAM. THE PROGRAM REIMBURSES PERMANENT RESIDENTS LIVING IN THE WEST-OF-HUDSON NEW YORK CITY WATERSHED 100% OF ELIGIBLE COSTS OF DESIGNING AND REPAIRING/REPLACING A FAILED SEPTIC SYSTEM THAT PREDATES NOVEMBER 2, 1995.



**NYC DEP APPROVAL\***

\*REQUIRED FOR CONSTRUCTION

CITY OF NEW YORK  
DEPT. OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY  
REGULATORY AND ENGINEERING PROGRAMS

**APPROVED**

SUBJECT TO SPECIFIED CONDITIONS IN DETERMINATION DATED: 11/17/2007

TO: Tobias Muenzel

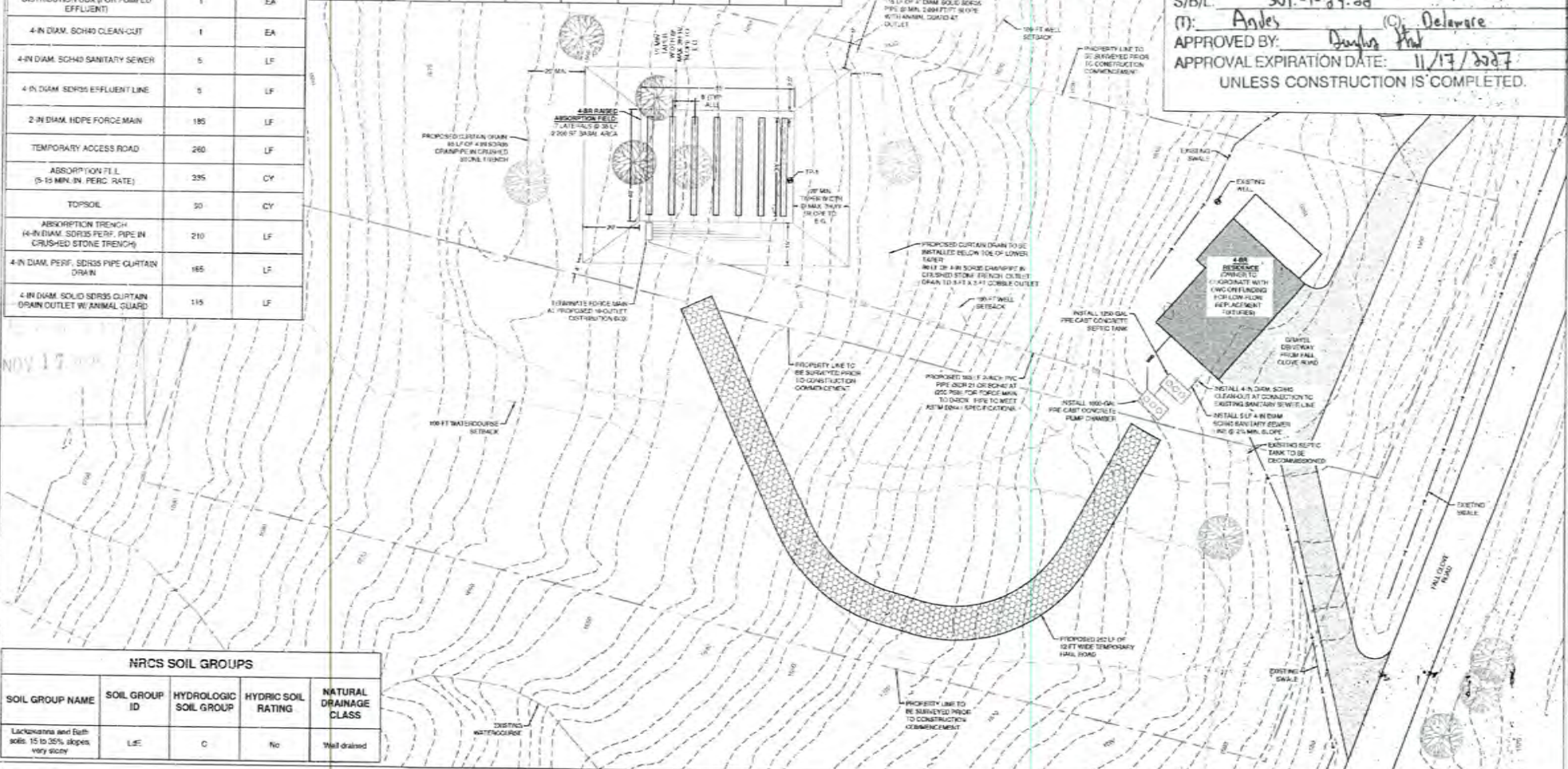
S/B/L: 301-1-27-22

(P): Andes (C): Delaware

APPROVED BY: Douglas P. ...

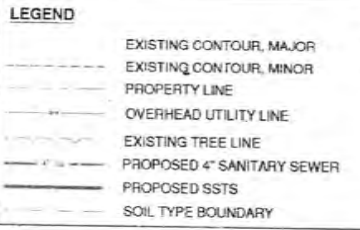
APPROVAL EXPIRATION DATE: 11/17/2007

UNLESS CONSTRUCTION IS COMPLETED.



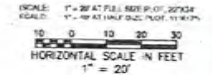
**NRCS SOIL GROUPS**

SOIL GROUP NAME	SOIL GROUP ID	HYDROLOGIC SOIL GROUP	HYDRIC SOIL RATING	NATURAL DRAINAGE CLASS
Lackawanna and Bath soils: 15 to 35% slopes, very stony	LSE	C	No	Well drained



- GENERAL NOTES**
- PARCEL LINES SHOWN ON DRAWINGS WERE OBTAINED FROM THE DELAWARE COUNTY GIS DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THESE PARCEL BOUNDARY LINES SHOWN ARE CONSISTENT WITH THE ACTUAL PROPERTY BOUNDARY AND THAT THE PROPOSED ABSORPTION FIELD AND ASSOCIATED COMPONENTS ARE NOT ON A NEIGHBORING PARCEL.
  - CONTRACTOR SHALL THOROUGHLY INSPECT AND SURVEY EXISTING SITE TO VERIFY CONDITIONS THAT AFFECT THE WORK SHOWN ON THE DRAWINGS. CONTRACTOR TO NOTIFY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PRIOR TO PROCEEDING WITH CONSTRUCTION.
  - THE CONTRACTOR SHALL NOTIFY THE CITY OF DELAWARE COUNTY ENGINEER (BENJAMIN DATES, P.E.) AND THE NYC DEP BEFORE A MINIMUM OF TWO DAYS PRIOR TO THE START OF CONSTRUCTION.
  - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF UNDERGROUND UTILITIES AND LOCATE ANY POTENTIAL CONFLICTS PRIOR TO CONSTRUCTION. GUM FACTOR SHALL COORDINATE WITH THE HOMEOWNER TO FIELD VERIFY ANY PRIVATE UTILITIES ON-SITE.
  - IF A SINGLE ANCHOR CURTAIN DRAIN ARE PROPOSED ABOVE THE NEW ABSORPTION FIELD, CONTRACTOR TO INSTALL THESE TRENCH BEFORE CONSTRUCTING THE ABSORPTION FIELD.
  - PRIOR TO PLACEMENT OF FILL FOR THE ABSORPTION FIELD, CONTRACTOR TO VERIFY THAT THE SURFACE AREA BEING BUILT UPON IS EITHER APPROVED WASHED SOIL LAYER OR IS BLENDED SO THAT THE PLACED FILL IS DIRECTLY BLENDED TO EXISTING SOIL. CONTRACTOR SHALL INFORM THE HOMEOWNER THAT THIS DOES NOT WARRANT A TRACTION THROUGH THE PLACED FILL INTO THE UNDERLYING SUBSTRATE.
  - ALL AREAS OF DISTURBANCE SHALL BE STABILIZED WITH SEEDS AND MULCH FOLLOWING CONSTRUCTION COMPLETION.
  - THE SEPTIC SYSTEM MUST BE INSTALLED IN THE VICINITY AS DETICATED ON THESE PLANS. THE PROJECT ENGINEER AND THE NYC DEP MUST BE NOTICED AND COORDINATED PRIOR TO ANY SIGNIFICANT CHANGES.
  - CONFIRM ALL UTILITIES WITH PROJECT ENGINEER DURING CONSTRUCTION.
  - OWNER TO COORDINATE WITH CWC ON PLANS FOR REPLACEMENT OF EXISTING UTILITIES FOR NEW WATER-BARING PIPING.

**OVERALL PLAN**



**SOIL TEST RESULTS**

TEST PIT ID	SLOPE THROUGH TEST PIT (%)	DEPTH OF TEST PIT (IN)	DEPTH TO BOUNDARY CONDITION (IN)	BOUNDARY CONDITION/ LIMITING STRATA LAYER	ROOT DEPTH (IN)	USABLE SOIL DEPTH (IN)	PERCOLATION TEST HOLE DEPTH (IN)	STABILIZED PERCOLATION RATE (MIN / IN)
TP#1	15	24	18	UPPER MOTTLED	13	13	12	1.2 IN / 2.600' 2.400'

- DEEP TEST PIT ANALYSIS AND PERCOLATION TESTS PERFORMED ON 6/25/05 BY BENJAMIN DATES, P.E. AND WITNESSED BY A. KELLE (NYC DEP) WEATHER DURING ANALYSIS 8: 70°F AND CLEAR.
- NRCS SOIL TYPE BOUNDARY LOCATED AT TEST PIT LOCATION, LACKAWANNA & BATH SOILS (USE: SOIL ENCL. ATTACHED DURING TEST PIT INVESTIGATIONS) WAS SLT, CLM.

RE  
REF  
RA  
TO  
DEL  
APPI  
210  
DE  
PRC  
210  
DE  
PR  
LATIT  
42.  
NO. DAT  
1 10.11  
2 10.15  
PROP  
SST  
NOTE: 1/21  
2/19  
3/18  
OFFICE OF THE  
SUPERVISOR OF  
INSURANCE  
AND CDR  
C01

**Linda Steuerwald Over \$30,000:**

Address: 854 Red Kill Rd., Fleischmanns, NY 12430

Town: Roxbury

Bedrooms: 4

Engineer: Rex Sanford P.E.

Contractor: Mammoth Excavation Inc.

Sign In Date: 9/19/25

Design Application Received By DEP: 3/31/26

Design Application Deemed Complete: 4/10/26

Date Recommended for DEP Design Approval: 4/21/26

2-Year Deadline: 9/19/27

The major components include one 1,250-gallon septic tank, 114 l.f. of gravity pipe, 10 l.f. of 6" sleeve, an effluent filter, one distribution box, 150 c.y. of absorption fill material, 360 l.f. of absorption trench, 220 l.f. of curtain drain, 60 l.f. of curtain drain outlet pipe, 260 l.f. of access rd., modify plumbing to avoid pump chamber, and site restoration. The homeowner received three quotes. They were \$57,788.06, \$59,164.07 and \$60,056.17. The low quote is within 10% of our estimated cost for construction. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$57,788.06.

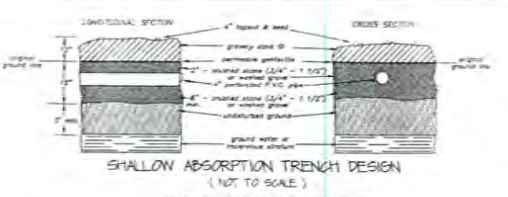
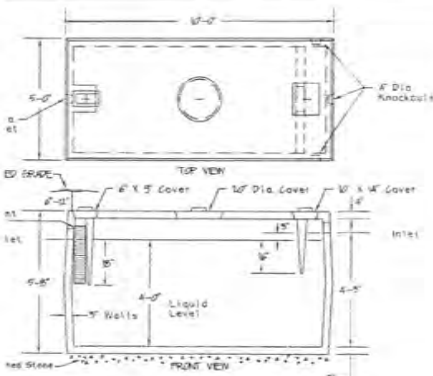
**Cost Estimate**

**Homeowner:** Linda Steuerwald  
**SBL #:** 243-3-12.11  
**Designer:** Rex Sanford  
**Completed By:** Mitch Hull  
**Date:** 5/7/2026

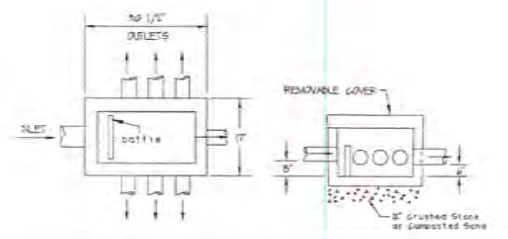
**2026 Schedule of Values**

**Enter Values in Blue Shaded Cells**

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1,000 Gallon Tank With System	EA	0	\$4,917.79	\$0.00
	1,250 Gallon Tank With System	EA	1	\$5,371.95	\$5,371.95
	1/500 Gallon Tank With System	EA	0	\$5,822.91	\$0.00
2	Pump Chamber	EA	0	\$10,657.61	\$0.00
3	Syphon Chamber	EA	0	\$4,837.05	\$0.00
4	Gravity Piping 4" PVC	LF	114	\$13.36	\$1,523.04
5	6" Sleeve	LF	10	\$16.75	\$167.50
6	D-Box	EA	1	\$879.97	\$879.97
7	Absorption Fill Material	CY	150	\$28.85	\$4,327.50
8	stone topsoil haul	CY	235	\$21.00	\$4,935.00
9	2 Hr. Haul Time	CY	150	\$21.00	\$3,150.00
10	Effluent Filter	EA	1	\$100.00	\$100.00
11	Conventional Absorption Bed	SF	0	\$6.25	\$0.00
12	Absorption Trench	LF	360	\$15.76	\$5,673.60
13	Eljen Units (Trench Systems)	SF	0	\$24.44	\$0.00
14	NYS DOT C-33 Sand (Trench)	CY	0	\$48.23	\$0.00
15	Eljen Units (Bed Systems)	SF	0	\$24.44	\$0.00
16	NYS DOT C-33 Sand (Bed)	CY	0	\$48.23	\$0.00
17	Presby Systems Pipe	LF	0	\$30.77	\$0.00
18	NYS DOT C-33 Sand (Presby)	CY	0	\$48.23	\$0.00
19	Vent Pipe	LF	0	\$11.52	\$0.00
19	Curtain Drain (36" Avg. Depth)	LF	220	\$21.10	\$4,642.00
20	Curtain Drain Outlet Pipe	LF	60	\$11.52	\$691.20
21	Swale	LF	0	\$7.39	\$0.00
22	Topsoil, Seed & Mulch	SF	10480	\$1.04	\$10,899.20
23	4" Clean Out	EA	1	\$185.00	\$185.00
24	Silt Fence	LF	0	\$3.73	\$0.00
25	Riser, First Foot & Lid	EA	2	\$184.00	\$368.00
26	Additional Riser Section	EA	0	\$98.00	\$0.00
27	Access Road	LF	260	\$20.70	\$5,382.00
29	modify interior plumbing		1	\$4,500.00	\$4,500.00
30			0	\$0.00	\$0.00
31			0	\$0.00	\$0.00
32			0	\$0.00	\$0.00
33			0	\$0.00	\$0.00
				<b>TOTAL</b>	\$52,795.96
				<b>ADD 10%</b>	\$58,075.56



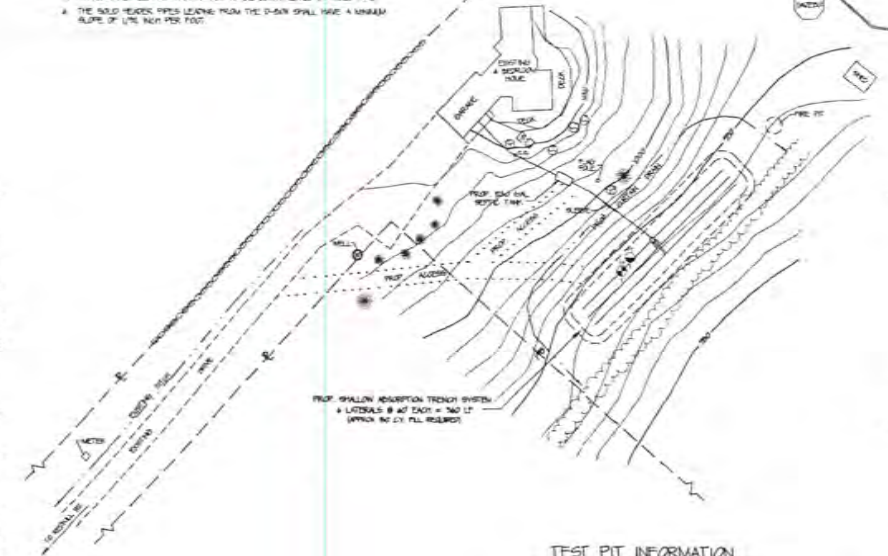
- SHALLOW ABSORPTION TRENCH NOTES**
- Gravelly sand fill with a percolation rate of a 10 to 15 min must be placed in the proposed absorption trenches areas prior to construction of the sewage system.
  - Gravelly sand fill shall extend a minimum of 7' beyond the trenches in all directions and taper to the original ground at a 10% slope.
  - Shallow absorption trenches are to extend no more than 12" into the original ground.



- DISTRIBUTION BOX NOTES**
- Distribution box shall be provided with flow levelers to provide equal distribution of effluent to the laterals.
  - D-box to be recessed in a 12" layer of crushed stone or compacted sand.
  - Distribution box shall be constructed of pressure concrete with a minimum compressive strength of 3000 psi at 28 day cure.
  - All outlets shall be made in-tangent. This includes any joined outlet holes.
  - Header pipes leading from d-box to be constructed of solid pipe. The solid header pipes leading from the d-box shall have a minimum slope of 1/8" per foot.

SEWAGE SYSTEM MAINTENANCE SCHEDULE	
SEPTIC TANK - THE SEPTIC TANK SHOULD BE INSPECTED ANNUALLY. THE SEPTIC TANK SHOULD BE PUMPED OUT EVERY TWO TO THREE YEARS.	
DISTRIBUTION BOX - THE DISTRIBUTION BOX SHOULD BE INSPECTED PERIODICALLY TO CHECK THAT EACH PIPE IS RECEIVING EQUAL FLOW. SPEED LEVELERS SHOULD BE ADJUSTED AS NECESSARY.	

THIS PLAN IS FOR ENGINEERING AND CONSTRUCTION PURPOSES ONLY.  
 PLAN - 100' BY 100' DOWNSIDE 4' DRAINAGE @ 10' SLOPE, 10' DEPTH.  
 UTILITY TEST RESULTS - 100' BY 10' 1" MIN. @ 10' DEPTH.  
 IF TEST RESULTS - 100' BY 10' 1" MIN. @ 10' DEPTH.  
 IF TEST RESULTS - 100' BY 10' 1" MIN. @ 10' DEPTH.  
 IF TEST RESULTS - 100' BY 10' 1" MIN. @ 10' DEPTH.



PROPERTY LINES AS SHOWN ARE APPROXIMATE. NO CERTIFICATION IS MADE OR IMPLIED AS TO THEIR ACCURACY.  
 POWER LINES SHALL BE RECORDED AND LOCATED AS EARLY AS POSSIBLE TO AVOID THE RISK OF DAMAGE. THE OWNER SHOULD BE ADVISED BY THE ENGINEER OF ANY POWER LINES OR OTHER UTILITIES THAT MAY BE LOCATED ON THE PROPERTY.  
 TESTING: TESTING SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER. TESTING SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER.  
 TESTING: TESTING SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER. TESTING SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER.  
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**TEST PIT INFORMATION**

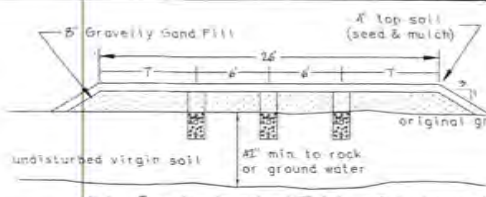
TP #	DESCRIPTION
11	0'-2" TOPSOIL 2'-12" GRAVELLY LOAM NO MOTTLES OBSERVED NO WATER OBSERVED DEBROCK OBSERVED @ 4"

PREPARED BY:  
**REX SANFORD, P.E.**  
 PROFESSIONAL ENGINEERING SERVICES  
 P.O. BOX 92  
 SHARON, N.Y. 14851  
 (609) 657-6416

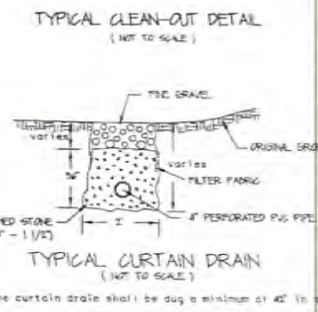
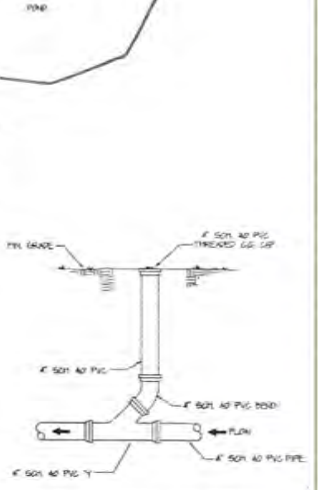
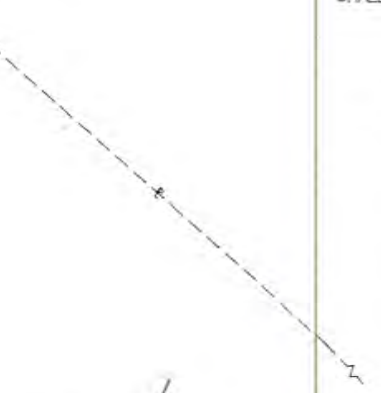
STATE OF NEW YORK  
 COUNTY OF DELAWARE  
 REX SANFORD  
 PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION	BY
1	02/23/2010	SITE PLAN PREPARATION	REX

CITY OF NEW YORK  
 DEPT. OF ENVIRONMENTAL CONSERVATION  
 REGULATORY DIVISION  
**APPROVED**  
 SUBJECT TO SPECIFIED CONDITIONS OF DETERMINATION DATED: 04/21/2010  
 TO: Linda Stelmerwald  
 BY: [Signature]  
 APPROVED BY: [Signature]  
 APPROVAL/EXPIRATION DATE: 04/31/2010  
 UNLESS CONSTRUCTION IS COMPLETED



Note: Trenches to extend 12" into original ground.  
**SHALLOW ABSORPTION TRENCH SYSTEM**  
 (SECTION VIEW)  
 (NOT TO SCALE)



- SANITARY ENGINEERING DETAIL NOT**
- PERFORATED PIPE SHALL BE PLACED WITH A MINIMUM SLOPE OF 1/8" PER FOOT & A MINIMUM BURIAL OF 18" FOR PIPES.
  - A DISTRIBUTION BOX SHALL BE USED WITH FLOW LEVELERS TO PROVIDE EQUAL FLOW TO ALL LATERALS. THE DISTRIBUTION BOX SHALL BE RECESSED IN A 12" LAYER OF CRUSHED STONE OR COMPACTED SAND.
  - CRUSHED STONE OR CRUSHED STONE SHALL BE USED TO RECESSED THE DISTRIBUTION BOX IN A 12" LAYER OF CRUSHED STONE OR COMPACTED SAND.
  - NO ROOTS, CELLAR OR POSTING DRAINAGE SHALL BE DISCHARGED INTO OR IN THE DIRECTION OF THE SEWAGE DISPOSAL SYSTEM.
  - ALL TRENCHES & TRENCHES SHALL BE CUT TO GRADE AND RECESSED FROM THE SEWAGE SYSTEM AREA. ROOTS SHALL BE PLACED BELOW THE PERFORATED PIPE AND TO THE DISTANCE OF 18" FROM THE PERFORATED PIPE.
  - NO DRAINAGE, ROADS OR PARKING AREAS SHALL BE CONSTRUCTED OVER ANY PORTION OF THE SEWAGE DISPOSAL SYSTEM.
  - SEPTIC TANKS SHALL BE RECESSED WITH 12" OF CRUSHED STONE. DISTRIBUTION BOXES SHALL BE RECESSED WITH 12" OF CRUSHED STONE.
  - CONCRETE SEPTIC TANKS TO BE USED. TRENCHES SHALL BE WATERPROOFED. CONTRACTOR SHALL SEAL TANK WITH IMPERMEABLE COATING TO INSURE WATER-TIGHTNESS.
  - LATERALS ARE TO BE PLACED 18" ON CENTER AND THE DEPTH ARE TO BE 18" FROM THE BOTTOM OF THE PERFORATED PIPE. IN ADDITION, THE DISTRIBUTION OF EFFLUENT TO THE TRENCHES SHALL BE EQUAL.
  - ALL SEWAGE SYSTEMS SHALL BE INSPECTED BY THE ENGINEER.
  - ALL PERFORATED PIPES UNDER DRAINAGE SHALL BE RECESSED IN A 12" LAYER OF CRUSHED STONE OR COMPACTED SAND.
  - ALL SEPTIC SYSTEMS MUST BE INSTALLED ON THIS SITE PLAN. THE MAINTENANCE OF SEPTIC SYSTEMS SHALL FOLLOW THE NEW YORK STATE HEALTH "UNDESIRABLE TREATMENT" MANUAL. PERFORATED PIPES SHALL BE RECESSED IN A 12" LAYER OF CRUSHED STONE OR COMPACTED SAND.
  - THE SEWER LINE FROM THE SEPTIC DISTRIBUTION BOX IS TO BE 4" IN DIAMETER & A SLOPE OF 1/8" PER FOOT.
  - THE USE OF PERFORATED PIPES SHALL BE LIMITED TO SHALLOW ABSORPTION TRENCHES.
  - NO COMPONENT PART OF ANY SEWER SYSTEM SHALL BE LOCATED ON A 10% SLOPE OR STEEPER SLOPE UNLESS THE TANK LIDS ARE TO REMAIN IN PLACE.
  - THE INSTALLATION OF EFFLUENT DISTRIBUTION BOX IS REQUIRED TO THE DISTRIBUTION OF EFFLUENT TO THE TRENCHES.

ADDITION OF THIS PLAN BY ANY PERSON OTHER THAN A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER OR A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SHALL BE AT HIS OWN RISK AND WITHOUT THE LIABILITY OF THE ENGINEER.

**SITE PLAN**  
 SHOWING PROPOSED SANITARY FACILITIES REPAIR DE  
**LINDA STELMERWALD**  
 654 REDKILL ROAD  
 TOWN OF ROXBURY - DELAWARE CO.  
 NEW YORK  
 GRAPHIC SCALE  
 1" = 40'

**Judith Van Etten Over \$30,000:**

Address: 3 High Ridge Road, Hensonville, New York 12438

Town: Windham

Bedrooms: 3

Engineer: Praetorius & Conrad, P.C.

Contractor: SM Young Construction, LLC

Sign In Date: 4/2/26

Design Application Received By DEP: 9/4/24

Design Application Deemed Complete: 9/18/24

Date Recommended for DEP Design Approval: 9/18/24

2-Year Deadline: 4/2/28

The major components include a 1,000-gallon septic tank, one pump chamber, 57 l.f. of gravity pipe, 136 l.f. of force main, an effluent filter, 93 c.y. of absorption fill material, 215 c.y. of random fill material, 3 peat modules, 58 l.f. of curtain drain, 50 l.f. of curtain drain outlet pipe, 1 cleanout, 5 l.f. of 4-inch sleeve, 1 clay dam, remove 7 trees, 45 l.f. of access road and site restoration. The homeowner received four quotes. They were \$58,241.72, \$61,413.00, \$64,755.00 and \$71,489.00. The low quote is below our estimated cost for construction. This is a secondary residence eligible for 60% reimbursement.  $\$58,241.72 \times 60\% = \$34,945.03$ . Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$34,945.03.

**Bernard Zahn Over \$30,000:**

Address: 21 Higgins Road, Hunter, New York 12450

Town: Hunter

Bedrooms: 2

Engineer: Praetorius & Conrad, P.C.

Contractor: C&C Excavating, Inc.

Sign In Date: 4/24/26

Design Application Received By DEP: 2/6/26

Design Application Deemed Complete: 4/23/26

Date Recommended for DEP Design Approval: 4/23/26

2-Year Deadline: 4/24/28

The major components include one 1,000-gallon septic tank, a pump chamber, 25 l.f. of gravity pipe, 156 l.f. of force main, an effluent filter, one distribution box, 40 c.y. of random fill material, 2 peat modules, 75 l.f. of access rd., 3 trees and 3 stumps to be removed, set tanks with large excavator, and site restoration. The homeowner received three quotes. They were \$48,850.00, \$59,254.93, and \$61,936.00. The low quote is within 10% of our estimated cost for construction. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$48,850.00.

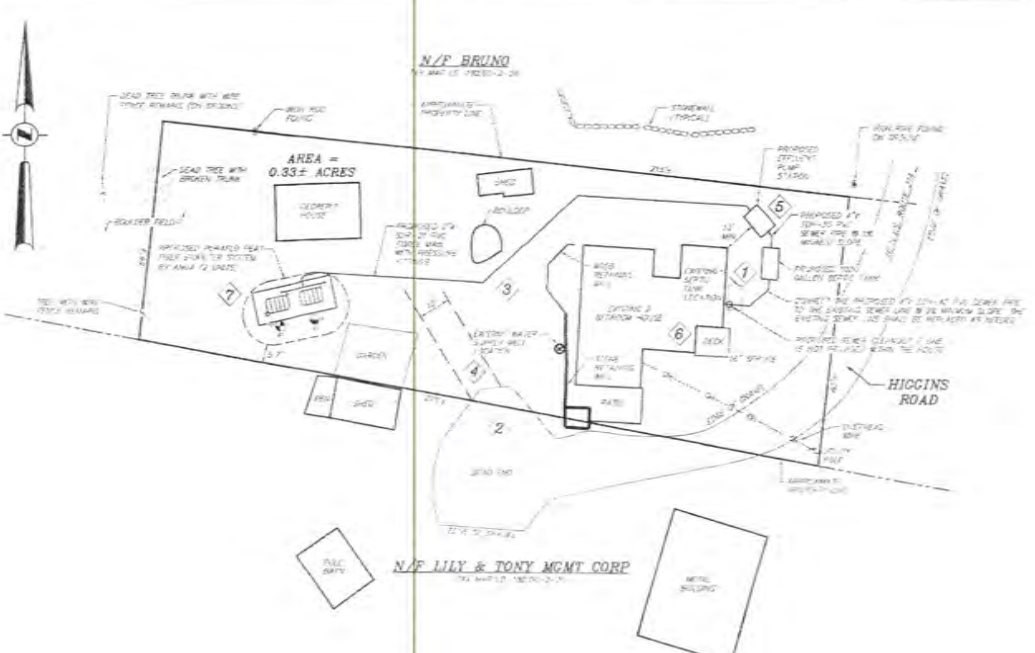
Cost Estimate

Homeowner: Bernard Zahn  
 SBL #: 180.00-2-27  
 Designer: Praetorius & Conrad  
 Completed By: Mitch Hull  
 Date: 2/4/2026

2026 Schedule of Values

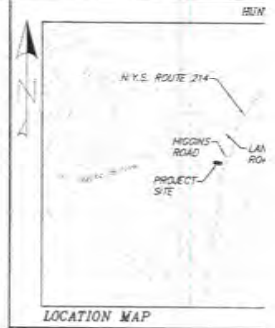
Enter Values in Blue Shaded Cells

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1000 Gal. Tank With System	EA	1	\$4,917.79	\$4,917.79
	1250 Tank With System	EA	0	\$5,371.95	\$0.00
	1500 Gal. Tank With System	EA	0	\$5,822.91	\$0.00
2	Gravity Piping 4" PVC	LF	25	\$13.36	\$334.00
3	Force Main 2"PVC	LF	156	\$11.36	\$1,772.16
4	Absorption Fill Material	CY	0	\$28.85	\$0.00
5	C-33 Sand	CY	0	\$48.23	\$0.00
6	Random Fill Material	CY	40	\$24.10	\$964.00
6	Additional Haul	CY	40	\$15.75	\$630.00
7	Effluent Filter	EA	1	\$100.00	\$100.00
8	Peat Filters One Module	EA	0	\$16,236.70	\$0.00
	Two Modules	EA	1	\$21,931.50	\$21,931.50
	Three Modules	EA	0	\$27,639.25	\$0.00
	Four Modules	EA	0	\$34,011.01	\$0.00
	Five Modules	EA	0	\$40,177.28	\$0.00
	Six Modules	EA	0	\$45,878.56	\$0.00
	Seven Modules	EA	0	\$52,693.58	\$0.00
9	Curtain Drain	LF	0	\$21.10	\$0.00
10	Curtain Drain Outlet Pipe	LF	0	\$11.52	\$0.00
11	Swale	LF	0	\$7.39	\$0.00
12	Topsoil, Seed & Mulch	SF	4260	\$1.04	\$4,430.40
13	4" Clean Out	EA	1	\$185.00	\$185.00
14	Silt Fence	LF	0	\$3.73	\$0.00
15	Risers	EA	3	\$184.00	\$552.00
16	Access Road	LF	75	\$20.70	\$1,552.50
17	3 trees to be removed and 3 stumps		1	\$5,000.00	\$5,000.00
18	Set tank with a large excavator		1	\$1,500.00	\$1,500.00
19	sub panel		1	\$800.00	\$800.00
20			0	\$0.00	\$0.00
21			0	\$0.00	\$0.00
22			0	\$0.00	\$0.00
23			0	\$0.00	\$0.00
				<b>TOTAL</b>	\$44,669.35
				<b>ADD 10%</b>	\$49,136.29



**KEY NOTES**

- 1 THE EXISTING SEPTIC TANK SHALL BE ABANDONED IN PLACE AS TO NOT UNDERMINING THE FLOOR FOUNDATION THE TANK SHALL BE PILED UP BY A 4x4x12 SPREADER WALL AND THE BASE SHALL BE SUPPORTED BY AN ACCORDANCE WITH STATE REGULATIONS AND REQUIREMENTS. THE TOP OF THE TANK SHALL BE COVERED WITH 6-INCH GRAVEL WHICH SHALL BE PLACED AND COMPACTED IN 12" LIFTS.
- 2 THE EXISTING SEWER MAIN SHALL BE ABANDONED DURING CONSTRUCTION. WHEN SO UNDERMINED THE CONTRACTOR AND OWNER SHALL PROVIDE THE PROPER DRAINAGE AND DRAINAGE CONTRACTORS SHALL PROVIDE THE DRAINAGE TO THE MAINLINE DRAINAGE SYSTEM.
- 3 IN THE EVENT THAT THE EXISTING GRADE ABOVE REMAINS UNCHANGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR THE DAMAGED AREAS BACK TO ORIGINAL CONDITIONS AS DOCUMENTED BY THE OWNER AND CONTRACTOR.
- 4 TEMPORARY ACCESS ROAD MAY BE REQUIRED DEPENDENT ON SOIL CONDITIONS AT THE TIME OF CONSTRUCTION.
- 5 CONSTRUCTION WILL REQUIRE THE REMOVAL OF APPROXIMATELY 3 FEET OF CONTRACTOR TO FIELD VERIFY THE NUMBER OF FEET TO BE REMOVED FROM EXISTING CONDITIONS.
- 6 THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING ELECTRICAL SERVICE CONDITIONS SHALL BE IN ACCORDANCE WITH THE SERVICE PANEL IN COMPLIANCE WITH THE PROPOSED PLANS FROM THE PROPOSED PLANS SHALL BE IN ACCORDANCE WITH THE SERVICE PANEL NOTES TO BE PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ELECTRICAL SERVICE UPGRADE.
- 7 THE CONSTRUCTION OF THE PROPOSED SEWER DISPOSAL SYSTEM WILL REQUIRE APPROXIMATELY 15 CUBIC YARDS OF SUITABLE FILL MATERIAL (SIZE OF LARGE STONES & LARGE CURB STONE) TO BE ORDERED FROM LOCAL SUPPLIERS AND DELIVERED TO THE PROJECT SITE.



**GENERAL NOTES**

1. PROPERTY LINES SHOWN ARE APPROXIMATE ONLY AND MUST BE VERIFIED BY THE CONTRACTOR BY FIELD SURVEY OR BY A LICENSED SURVEYOR.
2. PHYSICAL FEATURES SHOWN ARE THE RESULT OF AN AERIAL PHOTOGRAPHIC SURVEY AND SHOULD BE VERIFIED BY THE CONTRACTOR BY FIELD SURVEY.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROPOSED PLANS AND SPECIFICATIONS AND SHALL BE IN ACCORDANCE WITH THE PROPOSED PLANS AND SPECIFICATIONS.

**GENERAL NOTES**

1. ALL CONSTRUCTION ACTIVITIES AND THE REMOVAL OR DETENTION OF SOIL ARE TO BE PROVIDED WITH APPROPRIATE EROSION CONTROL MEASURES AS DESCRIBED BELOW.
2. THE EXISTING SEWER MAIN SHALL BE ABANDONED IN PLACE AS TO NOT UNDERMINING THE FLOOR FOUNDATION.
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20. THE EXISTING SEWER MAIN SHALL BE ABANDONED IN PLACE AS TO NOT UNDERMINING THE FLOOR FOUNDATION.

**DEEP TEST RESULTS**

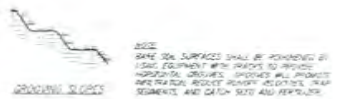
TEST DATA WERE OBTAINED ON 12 OCTOBER 2022

TEST #	DEPTH (FEET)	SOIL TYPE	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	SOIL DESCRIPTION
1	0-1	CL	28	55	27	CLAY WITH SAND
2	1-2	CL	28	55	27	CLAY WITH SAND
3	2-3	CL	28	55	27	CLAY WITH SAND
4	3-4	CL	28	55	27	CLAY WITH SAND
5	4-5	CL	28	55	27	CLAY WITH SAND
6	5-6	CL	28	55	27	CLAY WITH SAND
7	6-7	CL	28	55	27	CLAY WITH SAND
8	7-8	CL	28	55	27	CLAY WITH SAND
9	8-9	CL	28	55	27	CLAY WITH SAND
10	9-10	CL	28	55	27	CLAY WITH SAND

**PERCOLATION TEST DATA**

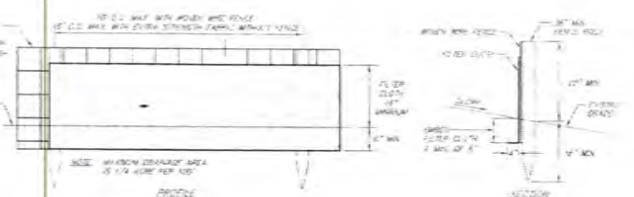
TEST DATA WERE OBTAINED ON 12 OCTOBER 2022

TEST #	SOIL TYPE	SOIL TYPE	SOIL TYPE	TEST DATE	TEST DATE	TEST DATE	TEST DATE	TEST DATE
1	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
2	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
3	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
4	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
5	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
6	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
7	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
8	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
9	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22
10	CL	CL	CL	10/12/22	10/12/22	10/12/22	10/12/22	10/12/22



**SURFACE ROUGHENING**

1. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROPOSED PLANS AND SPECIFICATIONS.
2. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROPOSED PLANS AND SPECIFICATIONS.
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10. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROPOSED PLANS AND SPECIFICATIONS.



**TEMPORARY SILT FENCE DETAILS**

**PROPOSED SEWER DISPOSAL SYSTEM (S.W. SYSTEM) NOTES**

1. ALL DEEP TESTS, PERCOLATION TESTS, ETC. SHALL BE CONDUCTED IN THE PROPOSED SEWER DISPOSAL SYSTEM AREA.
2. THE SUITABLE FILL MATERIAL SHALL NOT BE PLACED WITHIN THE PROPOSED SEWER DISPOSAL SYSTEM AREA UNLESS IT IS IN ACCORDANCE WITH THE PROPOSED PLANS AND SPECIFICATIONS.

**APPROVED**

SUBJECT TO SPECIFIED CONDITIONS IN DETERMINATION DATED 4/22/26

TO: Zahn

SBL: [Signature]

APPROVED BY: [Signature]

APPROVAL EXPIRES ON DATE: 4/22/27

UNLESS CONSTRUCTION IS COMPLETED

**PRAETORIUS AND C**  
**PROFESSIONAL ENGINEERING AND SURVEYING**  
 P.O. BOX 360-74 MAIN ST. SAUN  
 TELEPHONE: 845-246-8871

**PROPOSED SEWER DISPOSAL SYSTEM REPLACEMENT**

**PROPOSED SITE PLAN**

**PREPAR: BERNAR, (S) 10/20/22**

**THE SEAL OF THE STATE OF NEW YORK**

**APPROVED BY: [Signature]**

**APPROVAL EXPIRES ON DATE: 4/22/27**

**UNLESS CONSTRUCTION IS COMPLETED**

**THE SEAL OF THE STATE OF NEW YORK**

**PROFESSIONAL ENGINEERING AND SURVEYING**

**THE SEAL OF THE STATE OF NEW YORK**

**APPROVED BY: [Signature]**

**APPROVAL EXPIRES ON DATE: 4/22/27**

**UNLESS CONSTRUCTION IS COMPLETED**

Drawn by: [Name]  
 Checked by: [Name]  
 Date: 10/12/22

**Gilboa-Conesville Central School District Over \$30,000:**

Expanded Septic Program: Gilboa-Conesville Central School

Address: 132 Wyckoff Road, Gilboa, New York 12076

Town: Gilboa

Engineer: Hunt Engineers, Architects, Surveyors

Contractor: Byler Excavating

Sign In Date: 4/17/26

Design Application Received by DEP:

Design Application Deemed Complete:

Date Recommended for DEP Design Approval:

2-Year Deadline: 4/17/28

The major components include erosion control materials and labor, demolition of existing tanks and pipe, demolition of existing concrete gutter, remove and replace two retaining walls, materials and labor to install sanitary tanks 1,2 &3, install San PS-1 materials and labor, install WW-1 materials and labor, 2-inch force main piping with boring, sanitary piping for all tanks, pumps, controls and floats, and site restoration. The lowest quote, submitted by Byler Excavating, is within the engineer's cost estimate. This is a complex capital improvement, prevailing wage project. There were three bids. Costs for septic system components were separated from other aspects of the project. This project is eligible for 75% reimbursement up to \$100,000.00 and 100% for eligible costs over \$100,000.00 through the Expanded Septic Program. The lowest bid, submitted by Byler Excavating, was \$166,040.00. Included in the bid were asphalt patch work materials for \$5,250.00 and asphalt patch work labor for \$2,940.00. These are not eligible costs.  $\$5,250.00 + \$2,940.00 = \$8,190.00$ .  $\$166,040.00 - \$8,190.00 = \$157,850.00$ . Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$157,850.00. The total eligible reimbursement costs are  $\$75,000.00 + \$57,850.00 = \$132,850.00$ . Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$132,850.00.

**Wendy O'Reilly Over \$30,000:**

Second Time Repair

Address: 2036 Todd Mountain Rd., Arkville, NY 12406

Town: Hardenburgh

Bedrooms: 3

Engineer: John Bolger P.E.

Contractor: Mammoth Excavation Inc.

Sign In Date: 12/1/25

Design Application Received By DEP: 10/15/25

Design Application Deemed Complete: 10/29/25

Date Recommended for DEP Design Approval: 11/5/25

2-Year Deadline: 12/1/27

The major components include one 1,000-gallon H2O septic tank, a pump chamber, 15 l.f. of gravity pipe, 193 l.f. of force main, an effluent filter, 53 c.y. of absorption fill material, 101 c.y. of random fill material, 3 peat modules, 67 l.f. of curtain drain, 38 l.f. of curtain drain outlet pipe, 67 l.f. of swale, 40 l.f. of 4" sleeve, 1 large tree to be removed and small trees, bucket material, and site restoration. The homeowner received three quotes. They were \$73,188.03, \$74,896.20, and \$80,813.50. The low quote is within 10% of our estimated cost for construction. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$73,188.03.

Cost Estimate

Homeowner: Wendy O'Reilly  
 SBL #: 3.3-3-6.200  
 Designer: John Bolger  
 Completed By: Mitch Hull  
 Date: 1/13/2026

2025 Schedule of Values

Enter Values in Blue Shaded Cells

Item #		Units	Quantity	Unit Cost	Cost
1	Septic Tank				
	1000 Gal. Tank With System	EA	1	\$8,318.17	\$8,318.17
	1250 Tank With System	EA	0	\$5,064.16	\$0.00
	1500 Gal. Tank With System	EA	0	\$5,482.38	\$0.00
2	Gravity Piping 4" PVC	LF	16	\$13.36	\$213.76
3	Force Main 2"PVC	LF	193	\$11.36	\$2,192.48
4	Absorption Fill Material	CY	53	\$28.85	\$1,529.05
5	C-33 Sand	CY	0	\$45.80	\$0.00
6	Random Fill Material	CY	101	\$24.10	\$2,434.10
6	1.5 Hr. Haul Time	CY	154	\$15.75	\$2,425.50
7	Effluent Filter	EA	1	\$100.00	\$100.00
8	Peat Filters One Module	EA	0	\$15,274.15	\$0.00
	Two Modules	EA	0	\$20,599.78	\$0.00
	Three Modules	EA	1	\$27,639.25	\$27,639.25
	Four Modules	EA	0	\$31,889.60	\$0.00
	Five Modules	EA	0	\$37,653.97	\$0.00
	Six Modules	EA	0	\$42,983.92	\$0.00
	Seven Modules	EA	0	\$49,416.41	\$0.00
9	Curtain Drain	LF	67	\$21.10	\$1,413.70
10	Curtain Drain Outlet Pipe	LF	38	\$11.52	\$437.76
11	Swale	LF	67	\$7.39	\$495.13
12	Topsoil, Seed & Mulch	SF	6500	\$1.04	\$6,760.00
13	4" Clean Out	EA	1	\$185.00	\$185.00
14	Silt Fence	LF	0	\$3.11	\$0.00
15	Risers	EA	3	\$184.00	\$552.00
16	Access Road	LF	0	\$20.03	\$0.00
17	4" sleeve	LF	40	\$13.36	\$534.40
18	1 large tree to be removed and small trees and li		1	\$5,000.00	\$5,000.00
19	trench sewer line <i>up Hill very steep</i>		1	\$2,500.00	\$2,500.00
20	bucket material		30	\$160.00	\$4,800.00
21			0	\$0.00	\$0.00
22			0	\$0.00	\$0.00
23			0	\$0.00	\$0.00
				<b>TOTAL</b>	<b>\$67,530.30</b>
				<b>ADD 10%</b>	<b>\$74,283.33</b>



**Christine Creter Additional Cost:**

Address: 57 Tarigo High Rd., Fleischmanns, NY 12430

Town: Middletown

Engineer: Rex Sanford P.E.

Contractor: Mammoth Excavation Inc.

This project was previously approved for \$39,336.98. During construction the contractor encountered rock while digging for the septic tank and curtain drain. As a result, the contractor had to hammer for 15 hours to achieve the appropriate depth. The rock was unsuitable for backfill and had to be spread and reclaimed on site. The contractor has requested \$9,343.75x 60%= \$5,606.25 for the added work. This amount appears to be reasonable and justified. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$5,606.25 for a total project cost of \$44,943.23.





**Moon Mountain 2121, LLC Additional Cost:**

Expanded Septic Program: Bovina Montessori School

Address: 2121 County Highway 5, Bovina Center, NY 13740

Town: Bovina

Engineer: Steele Brook Engineering PLLC

Contractor: LaFever Excavating, Inc.

This project was previously approved for \$789,304.70. Due to a mathematical error in the spread sheet deducting the topsoil seed and mulch that had to be installed, the additional cost was higher than what the spread sheet showed. Due to variations in topography across 3 large leach fields, this required the contractor to install an additional 4,010 c.y. of absorption fill material. While installing the tanks the contractor needed 1 additional cast iron riser. While installing the 2" heavy duty poly pipe, the run to the leach fields was longer than anticipated and required an additional 350 l.f. of pipe. The project required an additional 4 c.y. of washed crushed stone. Due to slight changes in the drainage, the project required an additional 400 l.f. of silt fence, 11 additional check dams, 362 l.f. of swale, and 140 l.f. of culvert. The project is now complete and signed off on by DEP. The contractor has requested \$12,492.00 for the added work. This amount appears to be reasonable and justified. Therefore, we are requesting that the Septic Committee recommend to the Board of Directors that they accept this reimbursement request of \$12,492.00 for a total project cost of \$801,796.70.

**Susan Doig Second Time Repair:** The property is located in the Town of Andes, SBL: 260-1-8.3. This project was paid for in 2002 under our Reimbursement Program. The homeowner is having issues with the pump chamber components. We recommend replacing the components inside the pump chamber as needed. The homeowner had a maintenance pump out done in 2006, 2014, 2026.

**Heidi Sjursen Second Time Repair:** The property is located in the Town of Woodstock, SBL: 26.3-2-38. This project was paid for in 2013 under our Priority 7 Program. Staff observed effluent coming out of a hole in the ground when the pump turned on. We would like to do some exploratory work to see what the issue is with the possibility of a full field replacement. The homeowner claims to have had a pump out in 2016 but does not have a copy of the receipt.

**Russell Matson Second Time Repair:** The property is located in the Town of Middletown, SBL: 305-1-24.2. This project was paid for in 2006 under our Priority 4 Program. The pump stopped working. The homeowner has had it replaced. The homeowner had a maintenance pump out done in 2017.

**Patricia Sprott Second Time Repair:** The property is located in the Town of Delhi, SBL: 171.18-6-2.2. This project was paid for in 2009 under our Priority 6 Program. The homeowner was previously approved for a second time repair to replace the pump. Staff observed effluent coming out of a hole in the ground when the pump turned on. We would like to do some exploratory work to see what the issue is with the possibility of a full field replacement. The simplex control panel along with the wiring and conduit also needed to be replaced. The homeowner had a maintenance pump out done in 2025 and claims to pump the tank regularly but was unaware of the maintenance program.

**Beth Teuber Second Time Repair:** The property is located in the Town of Middletown, SBL: 264-1-41. This project was paid for in 2015 under our Priority 7 Program. The leach field is very saturated and has lush vegetation along with strong sewage odors. The homeowner had a maintenance pump out done in 2024.

**Septic Maintenance:** Mitchell Hull will update the committee.

**Septic Cluster:** No Report

**Septic Update:** Mitchell Hull will address the latest Septic Update.

**Other:**

