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E-Z Treat Projects List

City of Manteo (Currituck County, North Carolina)

Weeping Radish Eco-Farm – Brewery-on-site wastewater system

Site inspection, designed basis of flow, disposal options (drip irrigation and spray irrigation), pre-treatment options, and preliminary design. Prepared construction for an on site septic system to service the brewery wastewater only.

84 Lumber (McMurray, Pennsylvania)

On-Site Wastewater Treatment & Drip Irrigation System

Provided state-of-the-art design for on-site wastewater treatment and drip irrigation system at a new store in North Carolina. Project included design, permitting, and construction inspection services.

Tom Urquhart (Chatham County, North Carolina)

Single Family Subsurface

Provided detailed design of drip irrigation system for a four bedroom residence on approximately three acre lot. System design included septic tank, recirculation tank, E-Z Treat Treatment unit, field dosing tank, and drip irrigation disposal.

Bost Custom Homes (Chatham County, North Carolina)

Hills of Rosemont – Subsurface Drip Irrigation System

Provided state-of-the-art design for on-site wastewater treatment and drip irrigation system. Project included design, permitting and construction inspection services. Design was for a 5-bedroom home.

Dr. James T. Green (Apex, North Carolina)

Bottoms Property - On-Site Wastewater Treatment and Drip Irrigation System

Provided state-of-the-art design for on-site wastewater treatment and drip irrigation system. Project included design, permitting and construction inspection services. Design was unique in that operation of system will occur in conjunction with research being conducted at North Carolina State University.

Gordon Knox (Zebulon, North Carolina)

Knox Property - On-Site Wastewater Treatment and Drip Irrigation System

Provided state-of-the-art design for on-site wastewater treatment and drip irrigation system. Project included design, permitting and construction inspection services.

Mr. and Mrs. Oscar Johnson (Durham County, North Carolina)

Johnson Property - On-Site Wastewater Treatment and Drip Irrigation System

Provided state-of-the-art design for on-site wastewater treatment and drip irrigation system. Project included design, permitting and construction inspection services.

Mr. Bill Clinebell (Highlands, North Carolina)

Clinebell Property – Drip System

Provided state-of-the-art design for on-site wastewater treatment and drip irrigation system in western North Carolina. Project included design, permitting and construction management services.

Leith Enterprises (Orange County, North Carolina)

Leith Property - Charter School Wastewater Treatment System

This project involved the investigation of the Leith property to determine if drip irrigation was an alternative for a proposed charter school. Pending the results of the investigation, this project will result in the design of an on-site wastewater treatment and drip irrigation system for the proposed charter school.

Ted and Joan Martini (Apex, North Carolina)

Martini Property - On-Site Wastewater Treatment and Drip Irrigation System

Provided state-of-the-art design for an on-site wastewater treatment and drip irrigation system. Project included design, permitting and construction inspection services.

Suzanne Koenigsberg (Durham, North Carolina)

Koenigsberg Property - On-Site Wastewater Treatment and Drip Irrigation System

Provided state-of-the-art design for on site wastewater treatment and drip irrigation system. Project included design, permitting, and construction inspection services. System was developed after two other types of on-site systems failed. Project was designed with tight land area requirements.

William Minnich (Lake Toxaway, North Carolina)

Minnich Property On-site Wastewater Treatment and Drip Irrigation System

Provided state-of-the-art design for on-site wastewater treatment and drip irrigation system. Project included design, permitting, and construction inspection services.

Weyerhaeuser (New Bern, North Carolina)

Weyerhaeuser - Municipal Wastewater Application

Project involves the design of a spray irrigation system and a drip irrigation system for a loblolly pine study area.

Heartwood Homecrafters (Macon County, North Carolina)

Chason Harrison Lot, Subsurface Drip Irrigation System

Client proposed a construction of subsurface drip irrigation system utilizing a septic tank, AdvanTex Unit, AdvanTex dosing tank, field dosing tank, Ultra Plus drip irrigation unit, Geoflow drip irrigation tubing and the necessary appurtenances. A subsurface drip irrigation system was designed for three-bedroom house.

David Daniel Construction (Chatham County, North Carolina)

Heritage Pointe Subdivision – Drip irrigation system

Provided detailed design for four or six bedroom residence. Prepared application, specifications, drawings, O&M manual calculations and permit fee.

Village Investments (Chatham County, North Carolina)

On-Site Systems

Designed 6 surface & 4 subsurface irrigation drip systems.

Greywood at Hammett, LLC (Greenville, South Carolina)

On-Site Wastewater Treatment Systems

Provided detailed design of seven single family subsurface drip irrigation systems. Prepared and submitted required documents to appropriate permitting agency.

Heritage Custom Builders (Chatham County, North Carolina)

Heritage Point Lot 15 Complete Design

Subsurface drip irrigation for a six bedroom residence.

Boulder Hill, LLC (Orange County, North Carolina)

Francis Property – Lot 2 & 3

Single Family five bedroom residence subsurface drip irrigation system. The lots have been deemed unsuitable for a conventional subsurface wastewater disposal system. Therefore, a subsurface drip irrigation system utilizing a septic tank, E-Z Treat dosing tank, E-Z Treat Treatment unit, field dosing tank.

Rufty Homes (Chatham County, North Carolina)

Long Residence, Rosemont Lot 61

Provided detailed design of subsurface drip irrigation system for a four to six bedroom residence as determined by the Client on Lot #61 in The Hills of Rosemont Subdivision. Prepared and submitted required documents to Chatham County DEH for subsurface drip irrigation permit, calculations and permit fees.

David Sutton (Bertie County, North Carolina)

Single Family Subsurface Drip Irrigation System

Provided detailed design for four bedroom residence. Prepared application, specifications, drawings, O&M manual calculations and permit fee. A construction of a subsurface drip irrigation system utilizing a septic tank was installed.

Jim Goldston (Durham County, North Carolina)

Single Family Subsurface Drip Irrigation System

Provided detailed design for five bedroom residence. Prepared application, specifications, drawings, O&M manual calculations and permit fee. A construction of a subsurface drip irrigation system utilizing a septic tank was installed.

Highland Properties (Currituck County, North Carolina)

Currituck Forrest Design

Prepared construction documents for a pump drainage system and obtain permits. Design included septic tank, drainfield, and pump drainage system.

Fort A.P. Hill - SCOE EOD Field Training Area (Bowling Green, Virginia)

On-site Wastewater Disposal System

Designed and permitted a 2,100 gallon per day on-site wastewater system to serve the SCOE EOD Field Training Area at Fort A.P. Hill in Virginia. The system consisted of a 5,000 gallon septic tank, 2,000 gallon pump tank, pressure manifold distribution, and twelve conventional septic trenches each 100 feet in length. MacConnell & Associates produced design documents in both US and metric units as required by the Owner. A final inspection and start-up was performed at the completion of construction.

North Carolina State University – Department of 4-H Youth Development (Rockingham County, North Carolina)

Betsy-Jeff Penn 4-H Educational Center-Wastewater Treatment Facility Upgrade

Replaced failed sand filter with 20 E-Z Treat Pods to treat the camps wastewater prior to discharge to Carroll Creek. Existing septic tank was cleaned and effluent filters were added to keep it in service as well as the ultraviolet disinfection unit and discharge pump. The existing sand filter was disinfected and removed. With the installation of the E-Z Treat System the NPDES permit was expanded to 13,100 gallons per day.

United States Army Corps of Engineers (Mecklenburg County, Virginia)

Longwood Campground on John H. Kerr Reservoir

Project involved the design and installation of an on-site wastewater treatment system which used subsurface drip irrigation system for the disposal of the treated wastewater. This system was installed to alleviate high levels of fecal coli form bacteria discharged by a failing sand filter system. All required permits for this project were obtained through the Mecklenburg County, Department of Health in Virginia.

North Carolina Forestry Service (Chatham County, North Carolina)

Jordan Lake Training Facility - LPP System

Project involved the design of a wastewater treatment and disposal system to serve the training facility at Jordan Lake. Project was re-designed at a cost savings to the Client when the previous consultant failed to obtain the required permits. Design included an E-Z Treat Treatment System with Low Pressure Pipe (LPP) disposal. Permit was obtained through the Chatham County Health Department and the NCDENR - Division of Environmental Health - On-Site Water Protection Section.

The Peterson Companies

(Fauquier County, Virginia)

Raymond Farm - Wastewater Treatment and Disposal System

Construction documents (drawings and specifications) and application package submitted to Fauquier County Health Department for a 36,000 gallon per day wastewater treatment and disposal system to serve Raymond Farm Subdivision with additional capacity for a neighboring

school. The system design incorporated a primary septic tank, septic/recirculation tank, E-Z Treat filter pod dosing tank, 60 E-Z Treat treatment pods housed in a 125' x 45' block building, ultraviolet disinfection, field dosing tank, and 24,000 linear feet subsurface drip irrigation field. Working closely with the State Engineer and Fauquier County Health Officials we were able to get the system permitted within 3 months from our initial submittal with only minor comments to address.