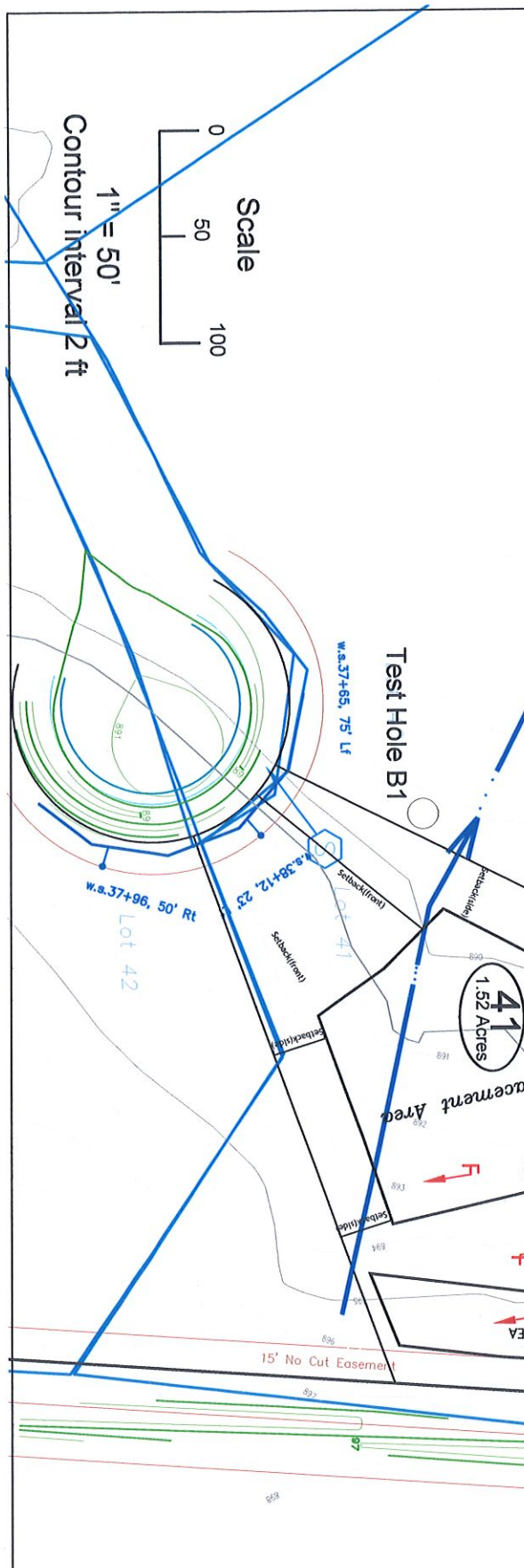


- A - Building sewer and cleanout. The building sewer must be watertight, minimum dia. 4" PVC Sch 40 pipe at a uniform grade of not less than 1% or 1/8" of an inch per foot. A cleanout must be installed within 3' of structure and is required when one is not provided inside the structure. Additional cleanouts shall be required in a building sewer at the point it exceeds 75' and at every 100' interval thereafter.
- B - Aerobic treatment unit (ATU), tank. Any tank approved by the Ohio Department of Health for a 12" soil credit and that is capable of handling at least 480 gallons per day may be used.
- C - Pump/Dosing Tank, 1,000 gallon, one chamber, pump/dosing tank with pump and high water alarm floats.
- D - Ultraviolet disinfection system. Any ultraviolet disinfection system that is approved by the Ohio Department of Health for a 24" soil depth credit may be used.
- E - Control Panel. Power supply to the aerobic treatment unit tank and ultraviolet disinfection system.
- F - Outlet Pipe, 2" Sch 40 PVC. Entire line drains back.
- G - Diverter/Distribution Box. Upslope of first leach line. Outlets fitted with POLYLOK control valves, or equivalent, which allows the option to direct flow to individual lines.
- H - Absorption Area. Leach Field with leaching trenches of 24" width and 8" depths with 6" quality top soil to be added over entire field. Minimum 6" soil separation, but 8" typical. (see attached drawings for details). Includes 3 trenches @ 200' length, mid fed @ 100', 600' ft of total length in field. Orange flags designating trenches.
- H1 - Interceptor Drain, 12" wide x 24" minimum depth Interceptor Drain in gravel sloped 1/32" per foot to outlet. At the outlet the trench is at about a 28" depth.
- I - Observation Ports. At the end of each leach trench.
- J - Outlet Line, portion with <12" cover must be 4" Sch 40 PVC. Minimum of last 10' must be 4" Sch 40 PVC w/ Animal Guard at outlet; 6" min. freeboard. Stopped minimum 1/32" per foot to outlet. This trench is not in gravel, and is not perforated.
- K - Reserve Area. Designated area for complete relocation and replacement of the STS required by paragraph (G) of rule 3701-29-06 of the Administrative Code.



PLAN VIEW

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This STS design is for a B.R. system using an aerobic treatment unit (ATU) tank, ultraviolet disinfection system and pump/dosing tank to pump to absorption area, (leach field).

Page: 2 of 3
 Date: August 18, 2020
 Resubmit Date:

Property Address:
 2260 Presley Court Lot #41
 Lebanon, OH 45036
 Clearcreek Township
 Warren County

Applicant:

Soil Evaluator:
 Clear Creek Environmental
 (513) 934-1040

Soil Locations