

Tile or Subsurface Drainage – picture examples

Tile is a component in many of the practices we use including along grassed waterways, overflows for springs/watering facilities, WASCObS, etc. It aids to drain water from the soil profile and is ideally 3' deep for optimum drainage and as to not be crushed with the weight of large equipment. Whole field tile systems can also be designed. Most often spacing between tile laterals ranges from 30'-50' in crop fields. Vineyards have been designed as close as 10' apart. Shown are different types of inlets: catch basin, hickenbottom riser with beehive type top to prevent debris from getting into tile. The restrictive orifice prevents tile from being pressurized. Also shown is a tile outlet with an animal guard to prevent rodents from climbing into tile.



below-
various types of tile



above-tile system in farm field

Surface inlets: above-catch basin, below-riser. Be sure that earth/basin is lower than culvert elevation as to not back up water into culvert or across a property line. Inlets/tile should preferably be installed outside of the road right-of-way. If not possible, get proper township, county, or ODOT permit.



below-riser inlet showing restrictive orifice plate



Tile failure: above-clay tile exposed, right-blow holes flagged in field, below: clay tile exposed in blow hole.



below-PVC outlet with animal guard and stone protection



Contacts with **tile probing or camera capability** in/near Fairfield County

The following list compiled by the Fairfield Soil and Water Conservation District is provided as a means for individuals to be aware of those available in the immediate area.

The Fairfield Soil and Water Conservation District makes no claims as to the ability, knowledge, and experience of those on the list, nor does it take any responsibility for the correctness or selection of those names and information appearing on the list. Others interested may be added to the list by contacting the Fairfield SWCD office at (740) 653-8154.

Individuals selecting from this list should exercise appropriate caution in making their selection. Ask for references and to see projects they have designed similar to yours.

Pipeworks
1790 Victor Rd
Lancaster Oh 43130
740-652-3762

FeeCorp
7995 Allen Rd
Canal Winchester Oh 43110
614-362-8249

Engineering Firms?
Private Plumbers?

Josh's Ground Effects, LLC
Residential Plumbing
Lancaster Oh
614-207-0207

Stutske
St Rt 37 (east side), between 256 & RR
Baltimore
614-206-2528
stutskeconstruction@gmail.com