

Conservation Plan and Design

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Terry Waldrige
859-481-5941

2001 Buchanan Blvd.
Bardstown, KY 40004

Andy Bishop
502-350-7609

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Conservation *Summary*



Rotational Grazing

Plan design for intensive rotational grazing for 120 feeder calves from March through August

Pasture Renovation

Renovation, seeding, lime and fertilize, weed control of the 14 individual fields.
Approximately 73 acres

Pipe and Tank

Implementation of approximately 4500 feet of 2-inch waterline and five, frost-free, cattle waters that will be supplied by city water

Heavy Use Area

60ft x 40ft winter feeding area for livestock

Stream Crossing

Implementation of three cattle stream crossings between rotational fields

Fencing

Cross fencing for rotational grazing will be approximately 5800 feet of 5-strand barbed wire. Exclusion fencing to exclude streams, ponds and forest lands will be approximately 9900 feet of 5-strand barbed wire

Forestry/Pollinator

Forestry management plan on approximately 20 acres of mature timber. Planting of native species to create pollinator/wildlife habitat in areas excluded from the rotational grazing plan

Conservation Plan *Map*



Soil Map



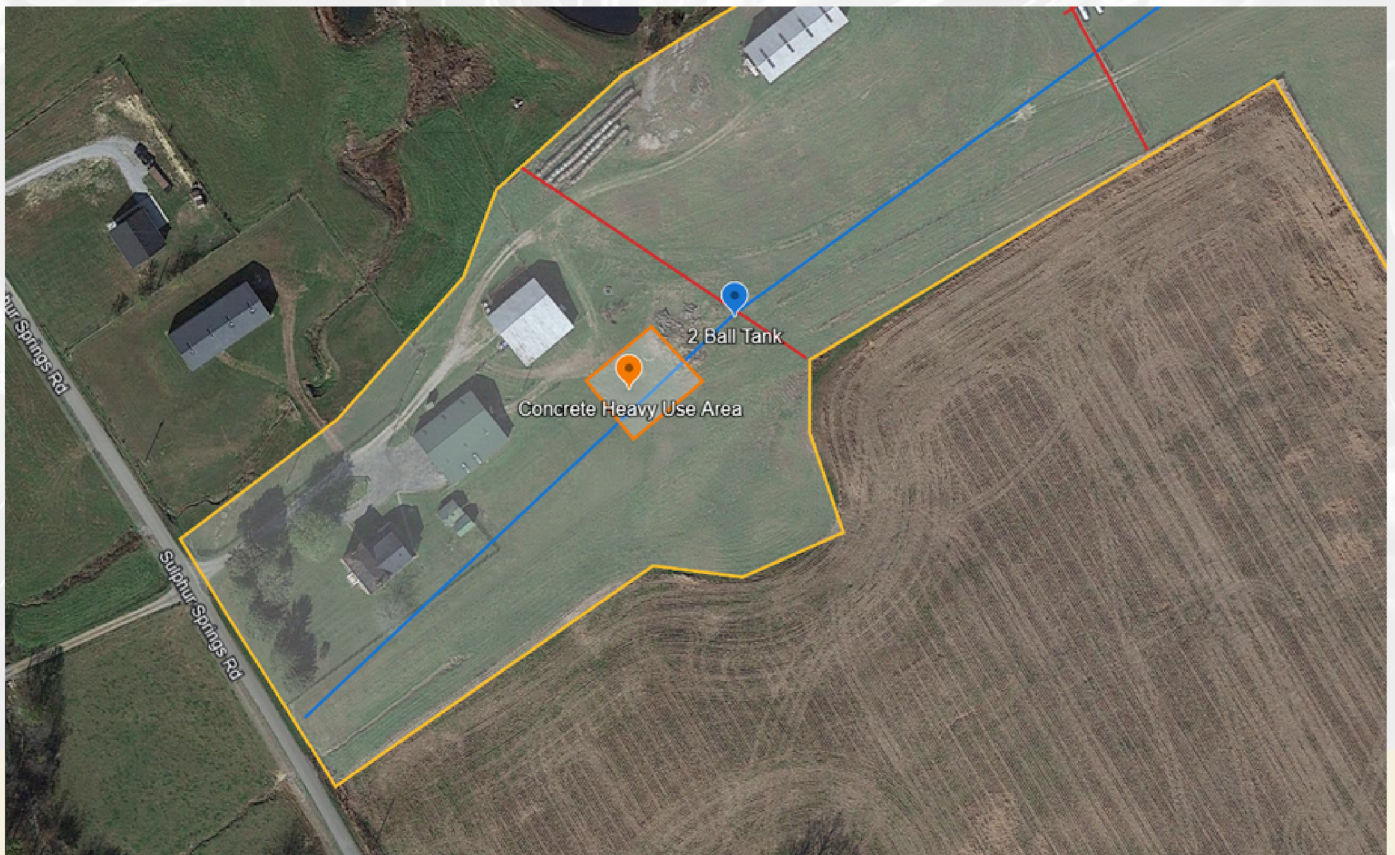
Soil Map may not be valid at this scale.

Soil Map Legend

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CrB	Crider silt loam, 2 to 6 percent slopes	0.0	0.0%
CrC2	Crider silt loam, 6 to 12 percent slopes, eroded	7.9	8.3%
CyF2	Cynthiana-Faywood-Rock outcrop complex, 20 to 60 percent slopes, eroded	16.8	17.7%
FaC2	Faywood silty clay loam, 6 to 12 percent slopes, eroded	7.0	7.4%
LbC2	Lenberg silt loam, 6 to 12 percent slopes, eroded	1.3	1.4%
Ne	Newark silt loam, 0 to 2 percent slopes, frequently flooded	1.1	1.2%
No	Nolin silt loam, 0 to 2 percent slopes, frequently flooded	3.7	3.9%
RtF2	Rohan-Trappist complex, 20 to 50 percent slopes, eroded, very rocky	2.9	3.1%
Se	Sensabaugh gravelly silt loam, frequently flooded	0.9	0.9%
TbB	Tilsit-Berea silt loams, 2 to 6 percent slopes	28.2	29.6%
TeC2	Trappist-Jessietown complex, 6 to 12 percent slopes, eroded	3.2	3.4%
TrD2	Trappist-Rohan-Greenbriar complex, 12 to 20 percent slopes, eroded, rocky	20.8	21.9%
W	Water	1.3	1.3%
Totals for Area of Interest		95.2	100.0%

Map



Potential Costs



1

Pipe and Tank

- 4500 feet of water line, material and install \$16,000
- Cattle waters - 5 total (all material and install) \$15,000
 - Does not include excavation

\$ 31,000 Total

2

Heavy Use Area

- 60 feet x 40 feet concrete winter feeding area (material and install)
 - Does not include excavation

\$ 15,000

3

Stream Crossing

- Three, 20-foot wide aggregate stream crossings
 - Does not include concrete, if concrete is required

\$ 15,000

4

Fencing

- 5800 feet of 5-strand barbed wire for the cross fence
- 9900 feet of 5-strand barbed wire for the exclusion fence
 - Includes all materials and labor
 - Does not include excavation or tree removal

\$ 63,000 (\$4/foot)

Potential *Costs*



5

Pasture Renovation

- Costs will be dependent on how many acres are enrolled in the program and will be determined by the program administrator

\$ TBD

6

Forestry/Pollinator

- Costs will be dependent on how many acres are enrolled in the program and will be determined by the program administrator

\$ TBD
