



Soil Horizons, LLC
PO Box 1063
Youngsville, North Carolina 27596

Memo

DATE: March 5, 2024

TO: **Ms. Sherri Tilley**
100 Moores Pond Road
Youngsville, NC 27596

FROM **John R. Davis, Jr. LSS**

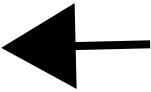
RE Soil Study for Septic System Suitability, MAPN: 1883-54-9598
43 Acres Franklin County, NC

Recently, several site visits were made to walk the property and observe landforms and take selected hand auger soil borings to determine suitability for on-site septic systems as a preliminary soil study. The property is mostly forested with some small fields and a swamp on the northern and western boundary. Huntsburg subdivision borders the property on the east side. The attached aerial topography maps show usable soil areas and unsuitable landforms such as drainageways, gulleys, old logging roads, complex topography areas and other features that are unsuitable for septic systems. Areas with steep slopes greater than 8 to 10% slope are generally unsuitable for conventional septic systems due to lack of adequate soil depth. The usable soil areas are shown on the maps as orange and green colored areas with the usable soil depths labeled in the more gently sloping areas. This map is broad and general in nature and may be used as a planning tool to subdivide the property into proposed lots. Once a draft preliminary subdivision layout has been completed by a surveyor, each proposed lot should be evaluated individually to determine the usable soil areas and septic system type that would most likely be permitted on each proposed lot. This secondary assessment may require that proposed

lot corners be rough staked in the field for accurate location of soil and landforms. **If you plan on logging and clearing the stumps etc. it should be done in such a way that does not remove any topsoil and jeopardize the usable soil depths.** Any proposed lots that have limited usable soil may need to be reconfigured before the lots are recorded to maximize the usable lot count on the proposed subdivision as desired. As a general rule, each proposed lot should have approximately 15,000 square feet of usable soil for a septic system and repair field as required by law. These usable soil areas need to be located away from a proposed house site, drive and well location if required. This means that the total lot area may need to be about 1 acre or more depending on the topography. Please review the attached soil maps and let me know if you have any questions or concerns.

Thanks John

Soil Study for Septic
System Suitability
February, 2024
John R. Davis, Jr. LSS
1883-54-9598
North Side
23.6 of 43.76 Acres
Franklin County, NC

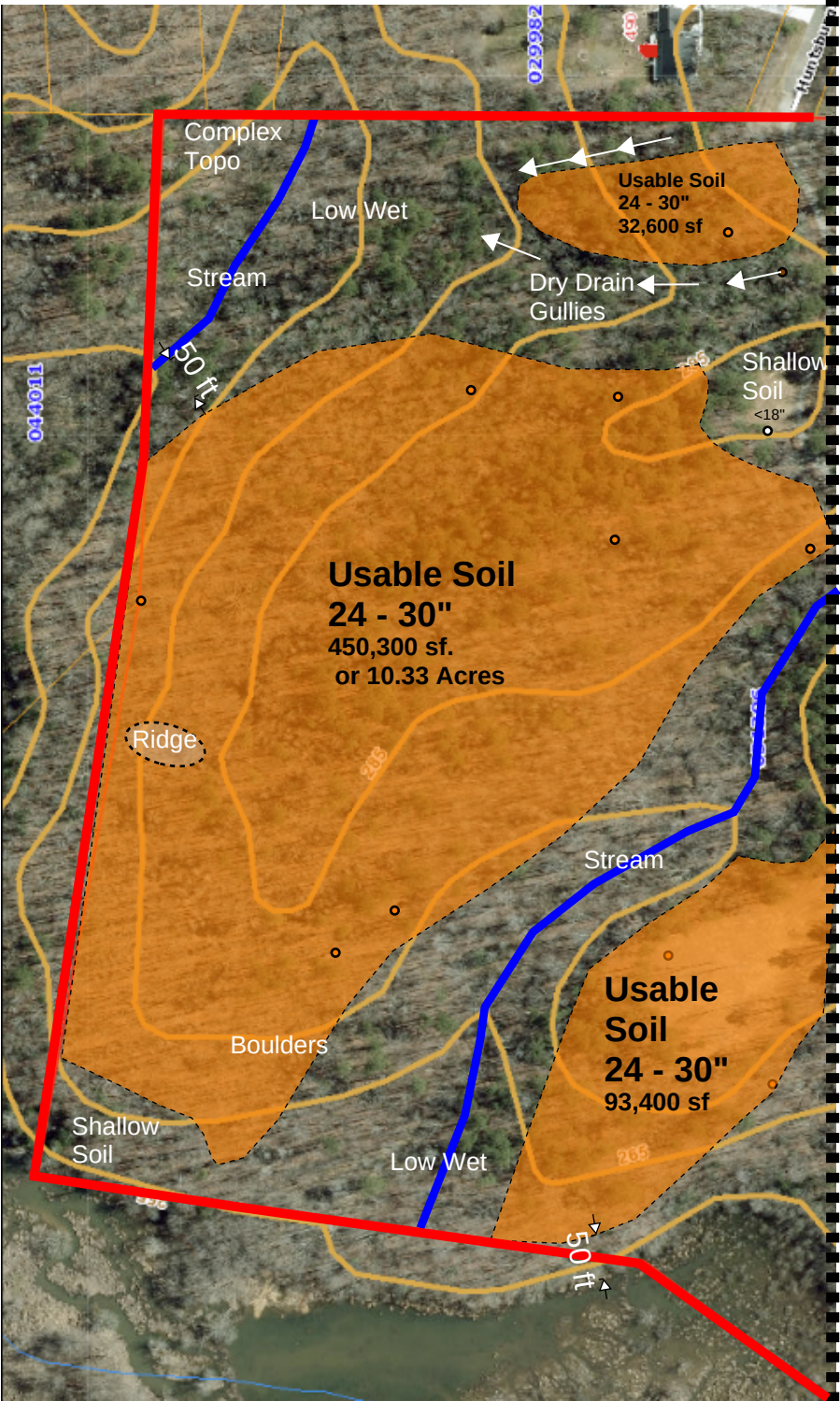


200 ft



John R. Davis, Jr.

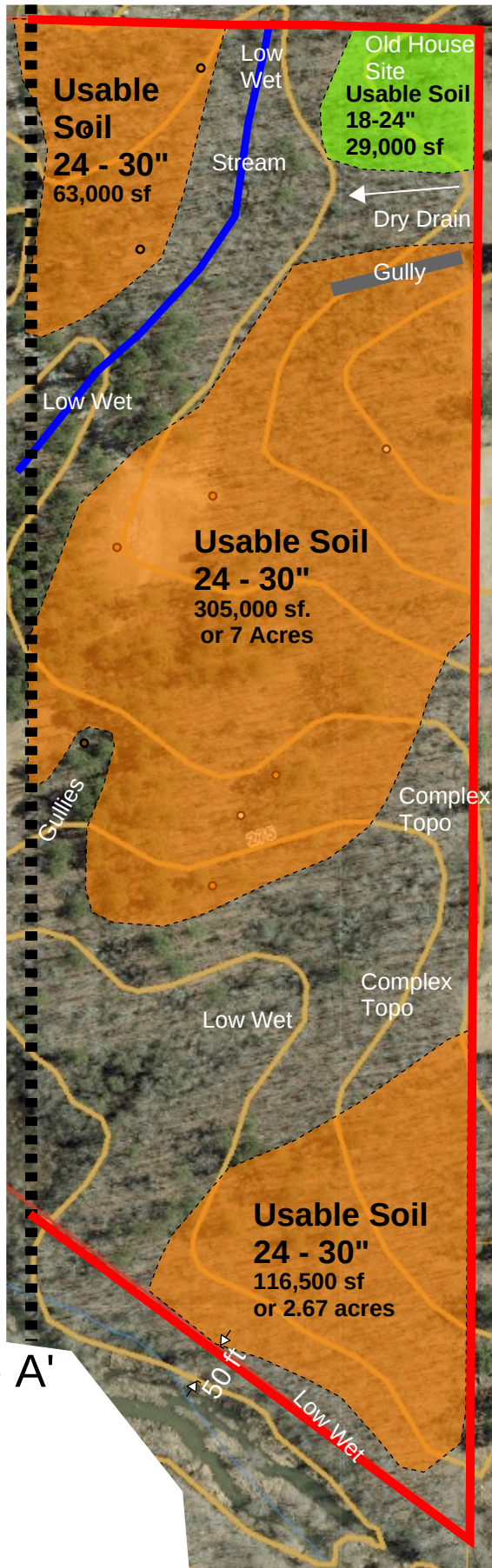
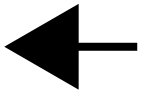
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Match Line A'

Match Line A

← 200 ft →



Match Line A'

**Soil Study for Septic
System Suitability**
February, 2024
John R. Davis, Jr. LSS
1883-54-9598
South Side
20.16 of 43.76 Acres
Franklin County, NC



John R. Davis, Jr.