

NORTH

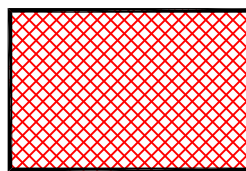
**PRELIMINARY SOIL/SITE EVALUATION.**  
 SOIL LINES WERE DELINEATED IN THE FIELD BY S&EC PERSONNEL. THE SOIL LINES WERE SKETCHED ONTO THE MAP BASED ON TOPOGRAPHY, GPS POINTS, AND OTHER SITE FEATURES. 12-28-2020

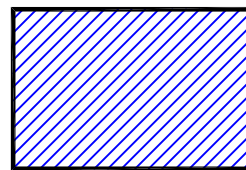
S&EC RECOMMENDS INSTALLING INTERCEPTOR DITCHES AND/OR SUBSURFACE DRAINS UPSLOPE FROM SUBSURFACE SEPTIC SYSTEMS ON THIS PROPERTY. SOME AREAS MAY NEED TO BE EVALUATED THROUGH BACKHOE PITS DUE TO ROCKY AND/OR MARGINAL SOIL CONDITIONS.

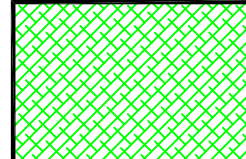
Project No.: 14513.51
Drawn: CC
Project Manager: RP
Field Work: CC, JM
Scale: 1" = 125'
Sheet No.: 1 of 1

Project: 507 DAMASCUS CHURCH ROAD
Client: HEFFNER PROPERTIES INC
Location: ORANGE CO., NC
Sheet Title: PRELIMINARY SOILS/SITE EVALUATION MAP

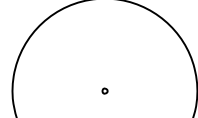
LEGEND


 Areas contain soils with 24 to 34 inches or more of useable material and have the potential for modified conventional, ultra-shallow conventional, low profile chamber, and/or low pressure pipe (LPP) septic systems.

 Areas contain soils with 20 to 28 inches or more of useable material and have the potential for low profile chamber, low pressure pipe (LPP), and/or pretreatment subsurface drip septic systems.

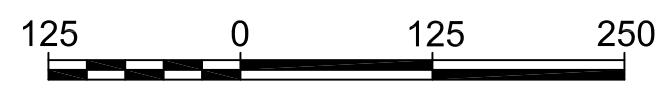
 Areas contain soils with 14 to 20 inches or more of useable material and have the potential for pretreatment subsurface drip septic systems.

**UN** Unsuitable areas due to soil wetness condition, soil depth, clay mineralogy, disturbed/compacted soils, and/or landscape position. Some of the "UN" upland areas can be further evaluated through backhoe pits to determine if the underlying natural material (soil and/or saprolite) is suitable for septic.

 Existing well, 50' septic system setback.

 Existing paths (old farm and/or logging roads)

GRAPHIC SCALE  
1" = 125'



\*\*THIS MAP AND CORRESPONDING SITE EVALUATION IS NOT CONFORMANT TO THE ENGINEERED OPTION PERMIT (EOP) PROCESS. ADDITIONAL SITE TESTING AND EVALUATIONS WILL BE REQUIRED TO UTILIZE THE EOP PROCESS.

\*\*SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. SITE WILL REQUIRE APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A CASE BY CASE BASIS. THIS MAP SHOULD BE USED AS A GENERAL GUIDE. SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND TOPOGRAPHIC IRREGULARITIES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS. SOME OTHER CONSIDERATIONS THAT AFFECT SITE SUITABILITY THAT SHOULD BE CONSIDERED IN DEVELOPMENT DESIGN ARE:

- 1) 10' SETBACK FROM PROPERTY LINE
- 2) 50' SETBACK FROM ANY WELL
- 3) 15' SETBACK FROM ANY BUILDING FOUNDATION
- 4) 25' SETBACK FROM DRAINAGE DITCHES.

SEE ACCOMPANYING S&EC REPORT.

NOT A SURVEY.  
 2-FOOT CONTOURS FROM NCDOT GIS. PARCEL BOUNDARIES FROM ORANGE COUNTY GIS.

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