



## SOLID WASTE MANAGEMENT

1207 Eubanks Road  
Chapel Hill, North Carolina 27516

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NIM Participants,

After meeting with several of you during the NIM meeting and receiving an email request, TRC Engineering has been hired to conduct the following:

1. Mark or Flag the perimeter of the Property improvements; this will begin on October 9, 2023
  - o Markings will be colored flagging tied to existing vegetation or stakes to be set at approximate 50 ft intervals (or less as needed) and at corners or changes in direction.
2. Conduct Soil and Groundwater Environmental Analysis: Date to be determined. Once a date has been determined, OCSWM will notify NIM participants via email and post on the SWM website.
  - o TRC will mobilize to the site of the proposed Orange County Solid Waste facility to conduct an assessment of existing soil and groundwater conditions.
  - o The purpose of our assessment will be to identify baseline (background) soil and groundwater conditions and evaluate potential impacts (if any) from the residuals spray irrigation field 11-8 currently operated by Orange Water and Sewer Authority.

TRC’s assessment will consist of the advancement of two soil borings on the northern and southern portions of the site and the installation of two temporary groundwater monitoring wells. If access is possible, the borings will be advanced with a truck-mounted Geoprobe® Direct Push Technology (DPT) rig. If access is an issue, TRC may choose to complete the borings utilizing a hand auger and manual labor. Based on TRC’s knowledge of the regional groundwater elevations in the vicinity of the site, it is anticipated that groundwater will be encountered at a depth of 10-15 feet below land surface (bls). TRC will collect a composite soil sample from each boring at four-foot intervals from acetate sleeves until groundwater is encountered. Upon collection of the soil and water samples, TRC will transfer the soil and water samples into laboratory-supplied containers, and submit the samples to a North Carolina-certified lab for analyses of the following:

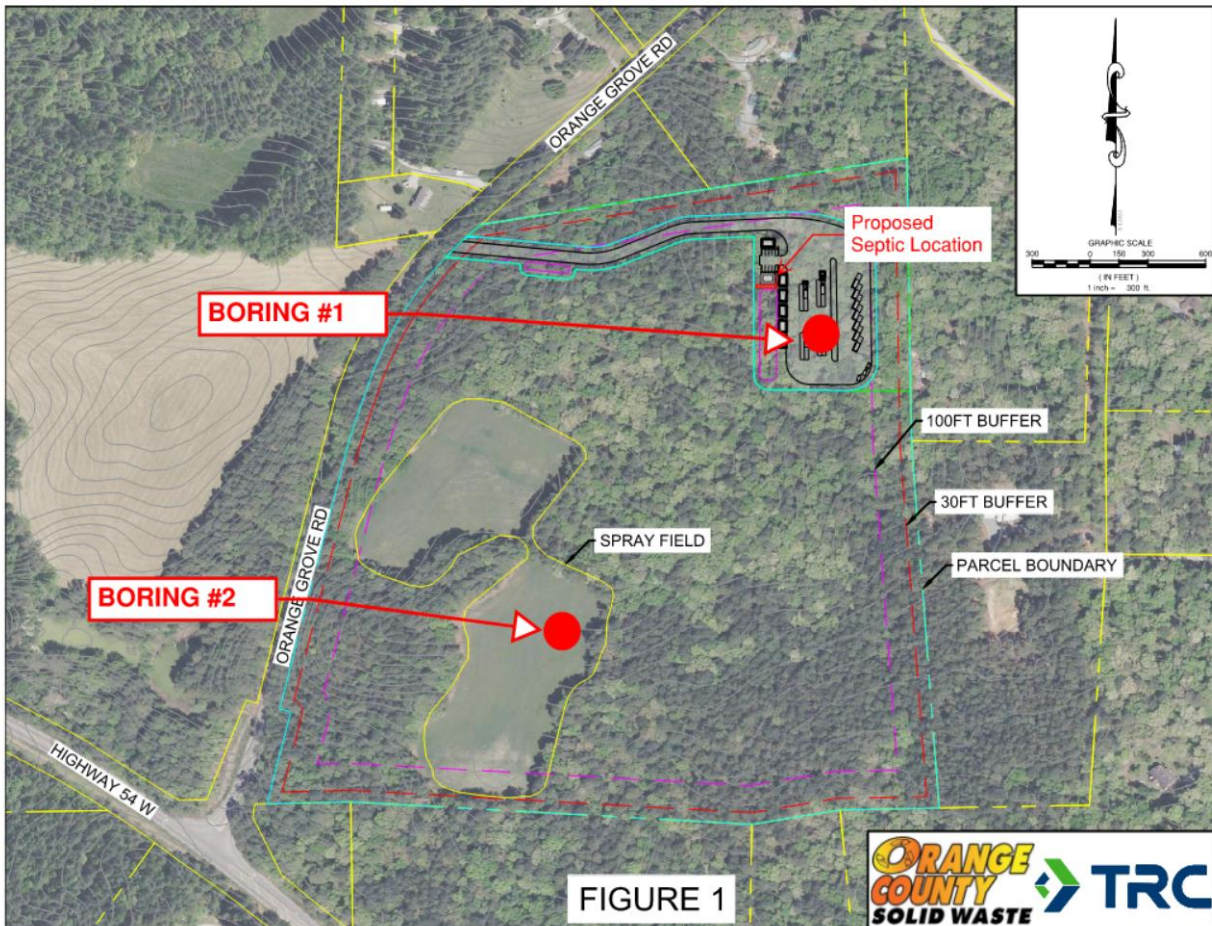
### Soil Analysis

Arsenic	Iron	Zinc
Aluminum	Mercury	Oil and grease
Barium	Magnesium	Nitrate
Calcium	Manganese	Nitrite
Copper	Potassium	Total Phosphorous
Cadmium	Nickel	
Total Chromium	Lead	

### Water Analysis

Arsenic	Aluminum	Barium
Chemical Oxygen Demand	Fecal Coliform	Total Coliform
Calcium	Copper	Cadmium
Total Chromium	Chloride	Iron
Magnesium	Manganese	Mercury
Total Ammonia	TKN (as N)	Nitrate
Nitrite	Nickel	Lead
Oil and Grease	Phenol	Phosphorous
Orthophosphate	Potassium	Total Dissolved Solids
Total Organic Carbon	pH	Specific Conductance
Zinc	Sulfate	

Following sample collection, TRC will abandon the wells in accordance with 15A NCAC 02C.0113



3. Preliminary Traffic Investigation & Traffic Impact Analysis: Date has not been determined. When a date is determined, OCSWM will notify NIM participants via email and post on the SWM website.

Sincerely,

Robert Williams  
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Please check out our 'Orange County NC Recycles' App available for free on the [Apple Store](#) or the [Google Play Store](#)

