

405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

March 4, 2022

Mr. Philip Beach Sage Ecological Services, Inc. 3707 Swift Drive Raleigh, NC 27606 pbeach@sageecological.com

RE: Stream Determination for 5217, 5227 & 5305 Mt. Moriah Road, Chapel Hill, NC PINs 9890-84-9934, 9890-94-5812, 9890-95-8043, 9890-83-5996 & 9890-74-0792

Dear Mr. Beach:

As requested, the Town Public Works Department has performed a stream determination for the properties identified on the attached forms. This determination indicates whether different types of streams (perennial, intermittent, and/or ephemeral) or perennial waterbodies are present on the properties in question or on nearby properties. These streams and their classifications are shown on the accompanying area map. Stream segments regulated by the Town's Jordan Lake Watershed Riparian Buffer regulations are highlighted. Locations of all features on the map are approximate and must be field surveyed for precise location.

This stream determination information is used to determine the location and extent of the Resource Conservation District (RCD) and Jordan Lake Watershed Riparian Buffers. Specific land use regulations and restrictions apply within the boundaries of these protected areas. If you are considering any kind of work on these properties, including clearing vegetation, paving, grading, or building, please consult with the Town's Planning Department to determine the possible extent of the Resource Conservation District (RCD) and Jordan Lake Watershed Riparian Buffer on these properties and the applicable corresponding restrictions.

This stream determination will remain in effect for five years from the date of the last site visit, after which a new stream determination with site visit will be required.

In accordance with the Town's procedures, you may appeal this administrative decision to the Town Manager. If you wish to do so, you must file your written appeal accompanied by any materials you believe support your appeal, within **30 days** of receipt of this letter.

If you have questions regarding this stream determination, please contact me at (919) 969-7202 or aweakley@townofchapelhill.org. If you have questions about the application of the Town's Resource Conservation District (RCD) or Jordan Watershed Riparian Buffer regulations to these properties, please contact the Planning Department at planning@townofchapelhill.org or (919) 968-2728. You may also view information about buffer regulations online at: http://www.townofchapelhill.org/stormwater.

Sincerely,

Allison Schwarz Weakley Stormwater Analyst

AllisonWeakley



405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

STREAM DETERMINATION SITE VISIT RESULTS

Property Information				
Parcel ID Number (PIN)	Address / Location Description			
9890-84-9934, 9890-94-5812, 9890-95-8043, 9890-83-5996 & 5217, 5227 & 5305 Mt. Moriah Road, Chapel Hil 9890-74-0792				
These are the results of a site visit to the property(ies) listed above for a stream determination conducted on $\frac{1}{28}/2022 \& \frac{2}{2}/2022$ by Town Staff:				
☐ No perennial, intermittent, or ephemeral streams or perennial waterbodies were identified on or near the property(ies) in question.				
Perennial, intermittent, or ephemeral streams, or perennial waterbodies, were identified on or near the property(ies) in question and are shown on the attached map(s).				

A map showing water features, their Town flow classifications, presence of Jordan Watershed Riparian Buffers, and their <u>approximate</u> locations is attached. *Note that Resource Conservation District (RCD) buffers may also apply but are not shown.* Origins or breakpoints that have been flagged in the field are marked on the map. Stream classification forms and additional site visit notes and maps are also attached.

Other conditions exist which may affect the location of the Resource Conservation District (RCD) or Jordan Watershed Riparian Buffer:

FEMA floodzone is mapped in the area. Precise location of the Base Flood Elevation and associated RCD must be determined by a field survey commissioned by the owner or a representative.

Segments of perennial or intermittent stream are piped in the area, as shown on the map. These segments do not have an associated Jordan Watershed Riparian Buffer, but do have an associated buffer if the RCD applies.

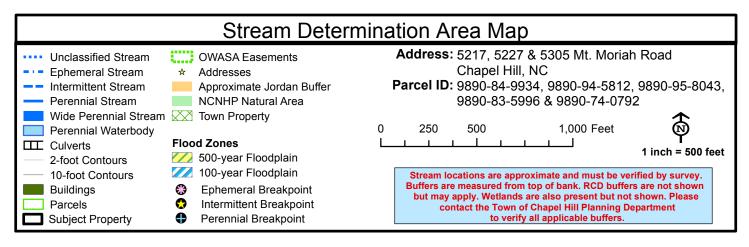
Allison Weakley

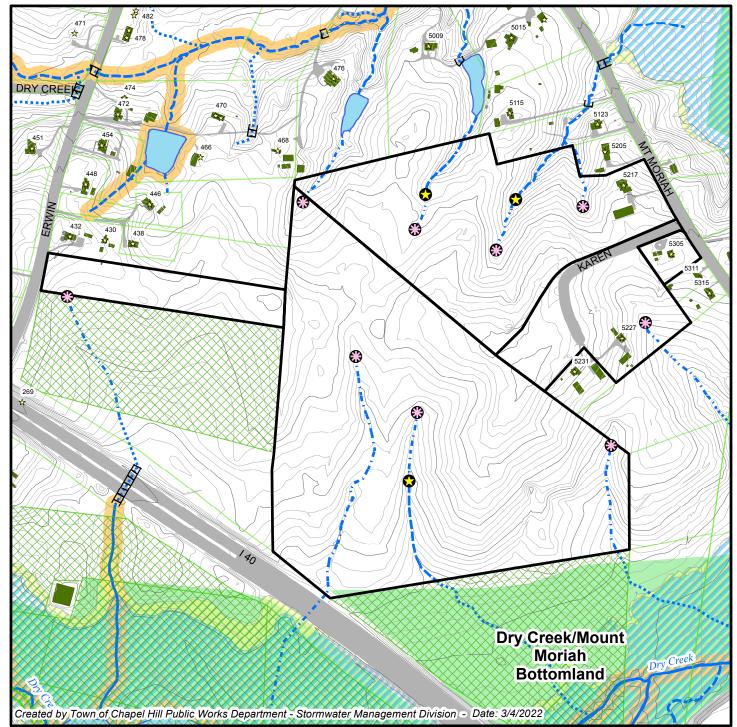
Town Staff Signature

3/4/2022

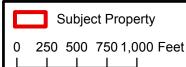
Date

professional certified in Jurisdictional Wetland Delineation is recommended.





USGS 24K Topographic / County Soil Survey Maps



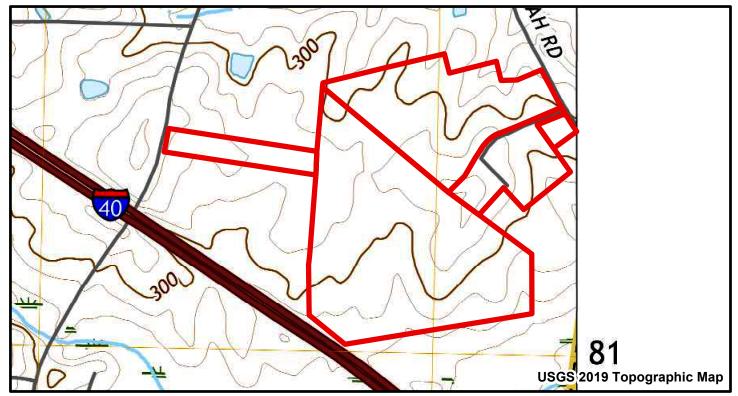
1 inch = 800 feet

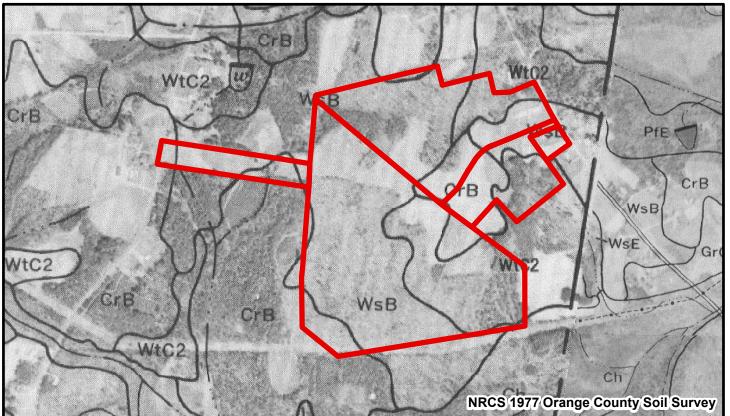
Address: 5217, 5227 & 5305 Mt. Moriah Road, Chapel Hill, NC

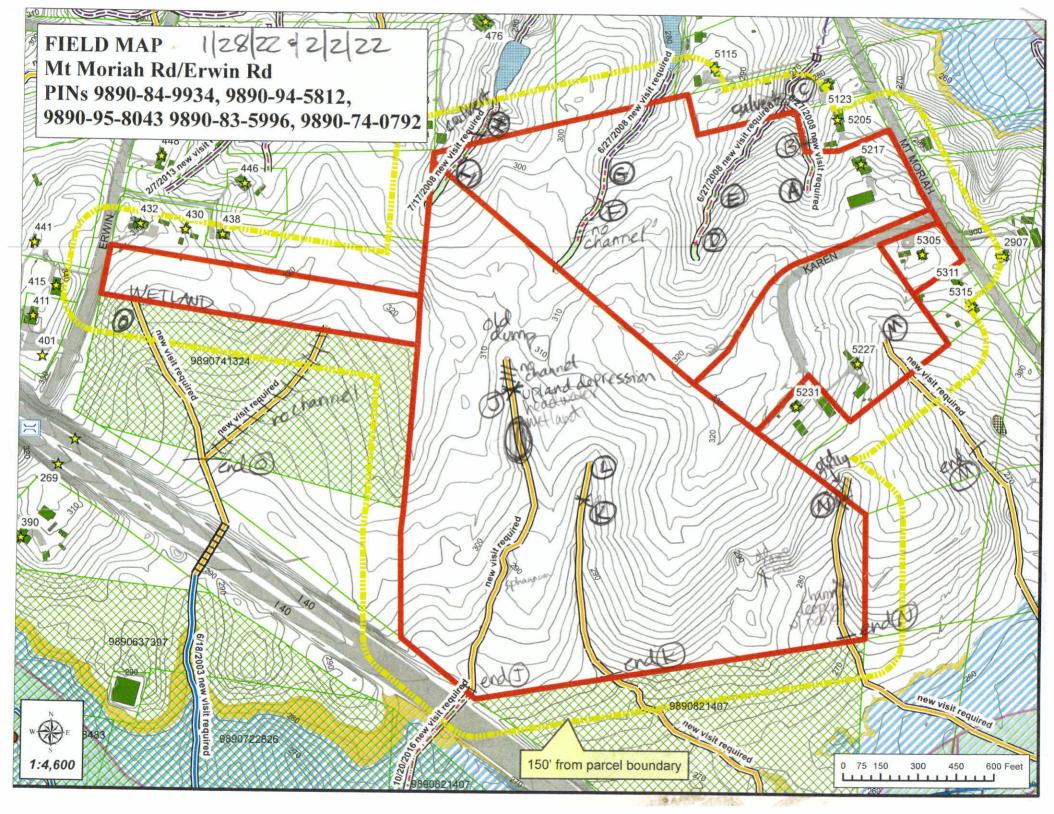
Parcel ID: 9890-84-9934, 9890-94-5812, 9890-95-8043, 9890-83-5996

& 9890-74-0792

Created by Town of Chapel Hill Public Works Department - Stormwater Management Division- 2/24/2022







NC DWQ Stream Identification Form Version 4.11 Project/Site: Date: Latitude: Evaluator: NPAK County: Longitude: **Total Points:** Stream Determination (circle one) Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* A. Geomorphology (Subtotal = Absent Weak Moderate Strong 1^a Continuity of channel bed and bank 3 0 41 2 2 3 2. Sinuosity of channel along thalweg 0 3. In-channel structure: ex. riffle-pool, step-pool, 0 1 2 3 ripple-pool sequence 0 2 3 4. Particle size of stream substrate 2 3 5. Active/relict floodplain 0 1 2 3 6. Depositional bars or benches 0 1 7. Recent alluvial deposits 0 1 2 3 0 3 2 8. Headcuts 1 1 1.5 0 0.5 9. Grade control 10. Natural valley 0 0.5 1 1.5 11. Second or greater order channel (No = 0) Yes = 3artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 12. Presence of Baseflow 0 2 3 1 2 3 13. Iron oxidizing bacteria (0) 1 0.5 0 14. Leaf litter 1.5 0 0.5 1.5 15. Sediment on plants or debris 16. Organic debris lines or piles 0 0.5 1.5 1 17. Soil-based evidence of high water table? No = 0Yes = 3 C. Biology (Subtotal = 18. Fibrous roots in streambed 3 1) 0 3 2)> 0 19. Rooted upland plants in streambed 20. Macrobenthos (note diversity and abundance) 0 2 3 2 3 21. Aquatic Mollusks 0 1 1.5 22. Fish 0 0.5 1 1 1.5 23. Crayfish 0.5 0.5 1.5 24. Amphibians 1 1.5 25. Algae 0.5 FACW = 0.75; OBL = 1.5 Other = 0 26. Wetland plants in streambed *perennial streams may also be identified using other methods. See p. 35 of manual. Notes: Sketch: See field map.

NC DWQ Stream Identification Form Version 4.11 Date: Project/Site: Evaluator: Weal County: Longitude: **Total Points:** Stream Determination (circle one) Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* A. Geomorphology (Subtotal = Absent Weak Moderate Strong 1a. Continuity of channel bed and bank 0 1 2 3 2. Sinuosity of channel along thalweg 0 2 3 1 3. In-channel structure: ex. riffle-pool, step-pool, 0 1 2 3 ripple-pool sequence 4. Particle size of stream substrate 0 1 2 3 5. Active/relict floodplain 0 2 3 6. Depositional bars or benches 0 2 3 7. Recent alluvial deposits 0 2 3 8. Headcuts 0 3 1 2 9. Grade control 0 0.5 1.5 10. Natural valley 0.5 1 1.5 11. Second or greater order channel (No = 0) Yes = 3artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 12. Presence of Baseflow 0 (1) 2 3 13. Iron oxidizing bacteria 0 2 3 1 14. Leaf litter 1.5 (1 0.5 0 15. Sediment on plants or debris 0 0.5 1 1.5 16. Organic debris lines or piles 0 0.5 1.5 17. Soil-based evidence of high water table? (No = 0)Yes = 3 C. Biology (Subtotal = 18. Fibrous roots in streambed 3 2) 0 19. Rooted upland plants in streambed 3 2 1 0 20. Macrobenthos (note diversity and abundance) 0 1) 3 21. Aquatic Mollusks 6 2 3 1 22. Fish 0 0.5 1.5 23. Crayfish 0 0.5 1.5 24. Amphibians 0 0.5 1 1.5 0 0.5 1.5 26. Wetland plants in streambed FACW = 0.75; OBL = 1.5 Other = 0 *perennial streams may also be identified using other methods. See p. 35 of manual. amphipods & Isopods Sketch: Feature begins a prominent headout (flagged)

Feature O NC DWQ Stream Identification Form Version 4.11 NH Monas Date: Project/Site: Latitude: Evaluator: Weakley & Longitude:_ 79.0024 County: **Total Points:** Stream Determination (circle one) Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* Weak A. Geomorphology (Subtotal = Absent Moderate Strong 1a. Continuity of channel bed and bank 0 2) 3 2. Sinuosity of channel along thalweg 0 1 3 3. In-channel structure: ex. riffle-pool, step-pool, 0 2 3 ripple-pool sequence ots of sand 4. Particle size of stream substrate 0 2 3 5. Active/relict floodplain 0 3 1 6. Depositional bars or benches 0 1 2 3 7. Recent alluvial deposits 0 1 2 3 3 8. Headcuts 0 2 9. Grade control 0 0.5 1 1.5 10. Natural valley 0 (0.5) 1 1.5 11. Second or greater order channel (No = 0) Yes = 3 artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 12. Presence of Baseflow Wate 0 2 3 13. Iron oxidizing bacteria 0 2 3 0 14. Leaf litter 1.5 0.5 0 15. Sediment on plants or debris 0 0.5 1.5 16. Organic debris lines or piles 0 (0.5) 1.5 17. Soil-based evidence of high water table? No = 0Yes = 3C. Biology (Subtotal = 18. Fibrous roots in streambed 3 2) 0 19. Rooted upland plants in streambed 3 2 1 0 20. Macrobenthos (note diversity and abundance) 1 2 3 0 21. Aquatic Mollusks 2 3 0 22. Fish 0) 1.5 0.5 1 23. Crayfish 0 1.5 0.5 1 24. Amphibians 0) 0.5 1 1.5 25. Algae 0) 0.5 1.5 26. Wetland plants in streambed FACW = 0.75; OBL = 1.5 Other = 0 *perennial streams may also be identified using other methods. See p. 35 of manual. aughic worm, amphipods, isopods Feature begins & culvert outfall. Upper reach natural channel, then channel disappears through lawn; only upper reach scored. Sketch:

NC DWO Stream Identification Form Version 4.11 Project/Site: Mt Monah Date: County: Oran Evaluator: Longitude: **Total Points:** Stream Determination (circle one) Other Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* Weak Moderate A. Geomorphology (Subtotal = Absent Strong 1^{a.} Continuity of channel bed and bank 0 3 F1 2 2. Sinuosity of channel along thalweg 0 2 3 3. In-channel structure: ex. riffle-pool, step-pool, 0 2 3 ripple-pool sequence lower lach 0 2 3 4. Particle size of stream substrate Sande 0 5. Active/relict floodplain 2 3 991+ 6. Depositional bars or benches 0 2 3 7. Recent alluvial deposits 0 2 3 2 3 8. Headcuts 0 1. 9. Grade control 0 0.5 1 1.5 10. Natural valley 0 0.5 1 1.5 11. Second or greater order channel (No = 0)Yes = 3artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 2.5 12. Presence of Baseflow Some Dool 5 0 2 3 (1)13. Iron oxidizing bacteria (0) 2 3 14. Leaf litter 1.5 € (0.5) 0 (0.5) 15. Sediment on plants or debris 0 1.5 1 16. Organic debris lines or piles 0 (0.5) 1 1.5 17. Soil-based evidence of high water table? (No = 0) Yes = 3C. Biology (Subtotal = 18. Fibrous roots in streambed 3 0 19. Rooted upland plants in streambed 3 2 0 3 20. Macrobenthos (note diversity and abundance) 0 2 2 3 21. Aquatic Mollusks (0) 22. Fish 0 0.5 1 1.5 23. Crayfish 0 0.5 1 1.5 24. Amphibians 0 0.5 1.5 1 25. Algae 0 0.5 1.5 26. Wetland plants in streambed FACW = 0.75: OBL = 1.5 Other = 0 *perennial streams may also be identified using other methods. See p. 35 of manual. Notes: amphips as a 1600003 Feature origin flagged - see field map. Sketch:

Feature NC DWQ Stream Identification Form Version 4.11 Project/Site: Mt Marian Latitude: 35.9426 Date: Evaluator: Longitude: _ 79.0033 County: **Total Points:** Stream Determination (circle one) Other Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* A. Geomorphology (Subtotal = Moderate Absent Weak Strong 1a. Continuity of channel bed and bank 0 1 (2) 3 2. Sinuosity of channel along thalweg 0 1 2 3 3. In-channel structure: ex. riffle-pool, step-pool, 1 0 2 3 ripple-pool sequence 4. Particle size of stream substrate Sand onavel 0 2 3 5. Active/relict floodplain 0 3 6. Depositional bars or benches 0 1 2 3 7. Recent alluvial deposits 0 2 3 8. Headcuts 0 2 3 1 9. Grade control 0 0.5) 1 1.5 10. Natural valley (1 0 0.5 1.5 11. Second or greater order channel No = 0 Yes = 3artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 7.5 12. Presence of Baseflow Some flow Invert 0 1 2 3 13. Iron oxidizing bacteria a water throughout 0 3 2 14. Leaf litter 1.5 Z+ 0.5) 0 15. Sediment on plants or debris 0 0.5 1.5 16. Organic debris lines or piles 0 0.5 1.5 17. Soil-based evidence of high water table? No = 0(Yes = 3) redox C. Biology (Subtotal = 18. Fibrous roots in streambed 3 2 0 19. Rooted upland plants in streambed 3 2) 1 0 20. Macrobenthos (note diversity and abundance) 0 2 3 21. Aquatic Mollusks 0 2 3 22. Fish 0) 0.5 1 1.5 23. Crayfish 0) 0.5 1 1.5 24. Amphibians 0 0.5 1 1.5 25. Algae 0) 0.5 1.5 26. Wetland plants in streambed FACW = 0.75; OBL = 1.5 Other = 0 *perennial streams may also be identified using other methods. See p. 35 of manual. ambhipods & 1600000 Sketch: Feature begins cheadent (flagged)

crayfish holes in bank

Feature (E NC DWQ Stream Identification Form Version 4.11 Latitude: 35,9622 Date: Project/Site: Evaluator: \) Longitude: - 79.0050 County: **Total Points:** Stream Determination (circle one) Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* A. Geomorphology (Subtotal = Absent Weak Moderate Strong 1a. Continuity of channel bed and bank 0 1 2 2. Sinuosity of channel along thalweg 0 2 3 3. In-channel structure: ex. riffle-pool, step-pool, 0 1 2 3 ripple-pool sequence 4. Particle size of stream substrate 4 1 2 0 3 5. Active/relict floodplain 0 2 3 6. Depositional bars or benches 0 1 2 3 7. Recent alluvial deposits 0 1 2 3 8. Headcuts 2 0 3 9. Grade control 0 0.5 1 1.5 10. Natural valley 0 0.5 1 1.5 11. Second or greater order channel (No = 0) Yes = 3 artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 12. Presence of Baseflow 0 (1 2 3 13. Iron oxidizing bacteria (0) 2 1 3 14. Leaf litter 1.5 0.5 0) 15. Sediment on plants or debris 0 0.5 1.5 1 16. Organic debris lines or piles 0 0.5 1.5 17. Soil-based evidence of high water table? No = 0(Yes = 3) C. Biology (Subtotal = 18. Fibrous roots in streambed 3 2 0 19. Rooted upland plants in streambed 3 0 20. Macrobenthos (note diversity and abundance) 0 3 21. Aquatic Mollusks 0 1 2 3 22. Fish 0 0.5 1 1.5 23. Crayfish 0 0.5 1.5 24. Amphibians 0 0.5 1.5 25. Algae 0) 0.5 1.5 26. Wetland plants in streambed FACW = 0.75; OBL = 1.5 Other = 0 *perennial streams may also be identified using other methods. See p. 35 of manual. Notes: Sketch: Feature begins c grade control (tree root) (Aagged) see field map. May be linear wetland.

Crayfish hole in channel bed Sphagnum on bank Shagbark

NC DWQ Stream Identification Form Version 4.11 Date: Project/Site: Evaluator: County: Longitude:_ **Total Points:** Stream Determination (circle one) Other Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* A. Geomorphology (Subtotal = Absent Weak Moderate Strong 1a. Continuity of channel bed and bank 0 42 3 2. Sinuosity of channel along thalweg 0 (2) 3 3. In-channel structure: ex. riffle-pool, step-pool, 0 (1) 3 2 3 ripple-pool sequence 4. Particle size of stream substrate Sound 0 2 3 gravel 5. Active/relict floodplain 0 1 3 6. Depositional bars or benches 0 2 3 7. Recent alluvial deposits 0 2 1 3 8. Headcuts 0 (1) 2 3 9. Grade control 0 (0.5) 1.5 10. Natural valley 0 0.5 (1) 1.5 11. Second or greater order channel No = 0 Yes = 3 artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 12. Presence of Baseflow Water Milarit 0 2 3 13. Iron oxidizing bacteria (0) 2 3 nyothes 14. Leaf litter 1.5 0.5 0 15. Sediment on plants or debris owerreach 0 0.5 1 1.5 16. Organic debris lines or piles 0 0.5 1) 1.5 17. Soil-based evidence of high water table? No = 0Yes = 3) C. Biology (Subtotal = 18. Fibrous roots in streambed 3 (2) 1 0 19. Rooted upland plants in streambed (3) 1 0 20. Macrobenthos (note diversity and abundance) 2 0 1) 3 21. Aquatic Mollusks 0 1 2 3 22. Fish 0 0.5 1 1.5 23. Crayfish 0 0.5 1 1.5 24. Amphibians 0 0.5 1 1.5 25. Algae 0 0.5 1.5 26. Wetland plants in streambed FACW = 0.75; OBL = 1.5 Other = 0 *perennial streams may also be identified using other methods. See p. 35 of manual. Feature begins a prominent head cut (flagged), ends a pand. See field map Sketch:

Feature (+ NC DWQ Stream Identification Form Version 4.11 Latitude: 35 9631 Date: Evaluator: Weakley & Salat Longitude: 79,006 County: OCA **Total Points:** Stream Determination (circle one) Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* Strong Weak Moderate Absent A. Geomorphology (Subtotal = 3 0 2 1a. Continuity of channel bed and bank 3 0 2. Sinuosity of channel along thalweg 3. In-channel structure: ex. riffle-pool, step-pool, 2 3 0 1 ripple-pool sequence 4. Particle size of stream substrate Sand 9 511 3 0 3 5. Active/relict floodplain 0 3 1 0 6. Depositional bars or benches 2 3 0 7. Recent alluvial deposits 3 (0 8. Headcuts 1.5 0.5 9. Grade control 1 1.5 0 0.5 10. Natural valley (No = 0) Yes = 311. Second or greater order channel artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = _6 . 5 12. Presence of Baseflow Water Ples Machine 3 2 1 0 2 3 13. Iron oxidizing bacteria culvert outfal 0 1 0.5 0 1.5 14. Leaf litter 1.5 1 0 0.5 15. Sediment on plants or debris 1.5 0.5 1 0 16. Organic debris lines or piles No = 0ower 17. Soil-based evidence of high water table? C. Biology (Subtotal = 0 3 12 18. Fibrous roots in streambed 2 0 19. Rooted upland plants in streambed 3 3 2 0 20. Macrobenthos (note diversity and abundance) 1 3 2 0 1 21. Aquatic Mollusks 1.5 1 0 0.5 22. Fish 1.5 0 0.5 23. Crayfish 1.5 0 0.5 1 24. Amphibians 0.5 0 25. Algae FACW = 0.75; OBL = 1.5 Other = 0 26. Wetland plants in streambed *perennial streams may also be identified using other methods. See p. 35 of manual. Notes: amphipods & isopods sketch: Feature begins c culvert outfall-see field map

NC DWQ Stream Identification Form Version 4.11 Latitude: 25 Project/Site: Date: Longitude: County: Evaluator: **Total Points:** Stream Determination (circle one) Stream is at least intermittent e.g. Quad Name: Ephemeral Intermittent Perennial if ≥ 19 or perennial if ≥ 30* Strong Absent Weak Moderate A. Geomorphology (Subtotal = 0 1a. Continuity of channel bed and bank 3 2 0 2. Sinuosity of channel along thalweg 3. In-channel structure: ex. riffle-pool, step-pool, 3 2 0 ripple-pool sequence 2 3 0) 4. Particle size of stream substrate 2 3 0 5. Active/relict floodplain 2 3 0) 6. Depositional bars or benches 3 2 1 0 7. Recent alluvial deposits 3 2 (0 8. Headcuts 1.5 0.5 1 0 9. Grade control 1.5 0 0.5 1 10. Natural valley Yes = 3 No = 0 11. Second or greater order channel artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 3 0) 1 12. Presence of Baseflow 2 3 0) 13. Iron oxidizing bacteria 0 0.5 1.5 14. Leaf litter 1.5 0.5 1 15. Sediment on plants or debris 0 1.5 0.5 1 0 16. Organic debris lines or piles No = 0 Yes = 317. Soil-based evidence of high water table? C. Biology (Subtotal = 1 0 18. Fibrous roots in streambed 0 3 1 2 19. Rooted upland plants in streambed 3 2 0 20. Macrobenthos (note diversity and abundance) 2 3 1 21. Aquatic Mollusks 0 0 1.5 0.5 22. Fish 1.5 0 0.5 1 23. Crayfish 1.5 0.5 0 24. Amphibians 1.5 25. Algae FACW = 0.75; OBL = 1.5 Other = 0 26. Wetland plants in streambed *perennial streams may also be identified using other methods. See p. 35 of manual Sketch: Feature begins @ grade control (flagged)

NC DWQ Stream Identification Form	Version 4.11		Feat	re(f)
Date: 128/22 9 2 2 2 2	Project/Site: Project/Site:		Latitude: 35,9607	
Evaluator: Weakley & Salat	County: Orange		Longitude: 79,0061	
Total Points: Stream is at least intermittent if ≥ 19 or perennial if $\geq 30^*$	Stream Determ Ephemeral Int	ination (circle one) ermittent Perennial	Other e.g. Quad Name:	
A. Geomorphology (Subtotal = 3.5)	Absent	Weak	Moderate	Strong
1ª Continuity of channel bed and bank	0	2(1)	2	3
2. Sinuosity of channel along thalweg	0	(1)	2	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
Particle size of stream substrate	0	(1)	2	3
5. Active/relict floodplain	(0)	1	2	3
6. Depositional bars or benches	(0)	1	2	3
7. Recent alluvial deposits	(0)	1	2	3
3. Headcuts	(0)	1	2	3
9. Grade control	(0)	0.5	1	1.5
10. Natural valley	0	(0.5)	1	1.5
11. Second or greater order channel	_ K	0 = 0)	Yes =	= 3
artificial ditches are not rated; see discussions in manual				
3. Hydrology (Subtotal =)				
2. Presence of Baseflow pools + water	0	(1)	2	3
3. Iron oxidizing bacteria in channel under	(0)	1	2	3
4. Leaf litter Leaf Litter	1.5	1	0.5)	0
5. Sediment on plants or debris	0	0.5	1	1.5
Organic debris lines or piles	0	(0.5)	1	1.5
7. Soil-based evidence of high water table?		lo = 0	Yes	=3) (800
C. Biology (Subtotal =)				
18. Fibrous roots in streambed	3	(2)	1	0
Rooted upland plants in streambed	3	(2)	1	0
20. Macrobenthos (note diversity and abundance)	(0)	1	2	3
21. Aquatic Mollusks	0	1	2	3
22. Fish	(0)	0.5	1	1.5
23. Crayfish	(0)	0.5	1	1.5
24. Amphibians	(0)	0.5	1	1.5
25. Algae	0	0.5	1	1.5
26. Wetland plants in streambed			BL = 1.5 Other = 0	10000
*perennial streams may also be identified using other methods	See p. 35 of manu		770 04.10.	
Notes: amphibods isopods	5. 000 p. 00 01 mane			
voices. ampaupous isoponis				
sketch: Feature begins be see field map. Lik flows through sm	elow ole cely "li all uple	d dump (near wet and dep	flagged land" ression)- twotlan
		Will From	ow Dalc wood	mindus amentus servinus (1995) C. P. (Officera et Allen amentus servinus (1995) C. (Officera et Allen amentus servinus servinus (1995) C. (Officera et Allen amentus servinus servinus servinus servinus (1995) C. (Officera et Allen amentus servinus ser
Sphagnumon banks & the	roughou	500%	jum	
- A /	Call .			1 /

Evaluation of characteristics required digging under leaves

NC DWQ Stream Identification Form	Version 4.11		Feat	vre(K)
Date: 12822	Project/Site:	Erwin Rd	Latitude: 3	5.9586
Evaluator: Weakley & Salat	County: Of	ange	Longitude: -	79.0051
Total Points: Stream is at least intermittent if ≥ 19 or perennial if $\geq 30^*$	Stream Determi Ephemeral Inte	nation (circle one)	Other e.g. Quad Name:	
A. Geomorphology (Subtotal = 9.5)	Absent	Weak	Moderate	Strong
1 ^a Continuity of channel bed and bank	0	(1)	2	3
2. Sinuosity of channel along thalweg	0	(1)	2	3
3. In-channel structure: ex. riffle-pool, step-pool,	0	1	2	3
4. Particle size of stream substrate	0	1	(2)	3
5. Active/relict floodplain GOINER	0	(1)	2	3
6. Depositional bars or benches	0	1	2	3
7. Recent alluvial deposits	0	(1)	2	3
8. Headcuts	(0)	1	2	3
9. Grade control	0	(0.5)	11	1.5
10. Natural valley	0	0.5	(1)	1.5
11. Second or greater order channel	(No	o = 0	Yes	= 3
artificial ditches are not rated; see discussions in manual				
B. Hydrology (Subtotal = 8) 12. Presence of Baseflow active flow through	0	1	(2)	3
13. Iron oxidizing bacteria	(0)	1	2	3
14. Leaf litter	1.5		0.5	0
15. Sediment on plants or debris	0	0.5	(1)	1.5
16. Organic debris lines or piles	0	0.5	(1)	1.5
17. Soil-based evidence of high water table?	N	o = 0	(Yes	= 3)
C. Biology (Subtotal = $(\rho, 5)$)				
18. Fibrous roots in streambed	3	(2)	1	0
19. Rooted upland plants in streambed	(3)	2	1	0
20. Macrobenthos (note diversity and abundance)	0	(1)	2	3
21. Aquatic Mollusks	(0)	1	2	3
22. Fish	(0)	0.5	1	1.5
23. Crayfish	0	0.5	1	1.5
24. Amphibians	(0)	0.5	1	1.5
25. Algae	0	0.5	1	1.5
26. Wetland plants in streambed		FACW = 0.75; OB	L = 1.5 Other = 0	0
*perennial streams may also be identified using other methods Notes: AMPhi Pods, ISOPods,		al. Worms		
Sketch: Feature begins c (flagged) - see f	header ield m	H/grade	contra	P

Sphagnum on banks

NC DWQ Stream Identification Form Version 4.11 Project/Site: Nt. Morian Latitude: 35,9596 Date: Evaluator: County: Longitude: 79,004 Total Points: Stream Determination (circle one) Stream is at least intermittent Ephemeral) Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* A. Geomorphology (Subtotal = Absent Weak Moderate Strong 1a. Continuity of channel bed and bank 0 1 2 3 2. Sinuosity of channel along thalweg 0 1 2 3 3. In-channel structure: ex. riffle-pool, step-pool, 0> 2 3 1 ripple-pool sequence 4. Particle size of stream substrate 0 1 2 3 5. Active/relict floodplain scouring 023 2 3 1 6. Depositional bars or benches 0 1 2 3 7. Recent alluvial deposits 0 2 3 1 8. Headcuts 0 2 3 9. Grade control 0 1.5 0.5 1 10. Natural valley 0 0.5 1 1.5 11. Second or greater order channel No = 0 Yes = 3 artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 6 S 12. Presence of Baseflow 0 1) 2 3 0 13. Iron oxidizing bacteria 2 3 1 0.5 14. Leaf litter 1.5 1 0 15. Sediment on plants or debris 1.5 0 0.5 16. Organic debris lines or piles 0 0.5 1.5 17. Soil-based evidence of high water table? 1 edox No = 0Yes = 3 C. Biology (Subtotal = 18. Fibrous roots in streambed 3 0 2 19. Rooted upland plants in streambed 0 20. Macrobenthos (note diversity and abundance) 0 2 3 1 21. Aquatic Mollusks 0 1 2 3 22. Fish 0.5 1.5 23. Crayfish 0.5 1.5 24. Amphibians 0.5 1 1.5 25. Algae 0.5 1.5 26. Wetland plants in streambed FACW = 0.75; OBL = 1.5 Other = 0 *perennial streams may also be identified using other methods. See p. 35 of manual. Notes: sketch: Feature has braided, shallow channels w/ lots of moss-may be jurisdictional wetland-see field map. Origin flagged.

NC DWQ Stream Identification Form Version 4.11 Latitude: 35,9609 Date: 1 Longitude: 79,0010 County: **Total Points:** Stream Determination (circle one) Stream is at least intermittent Ephemeral Intermittent Perennial e.g. Quad Name: if ≥ 19 or perennial if ≥ 30* A. Geomorphology (Subtotal = 6.5 Moderate Strong Absent Weak 1^{a.} Continuity of channel bed and bank 0 1 2 3 3 2. Sinuosity of channel along thalweg 0 2 1 3. In-channel structure: ex. riffle-pool, step-pool, 0 (1) 2 3 ripple-pool sequence 0 2 3 4. Particle size of stream substrate 1 0 2 3 5. Active/relict floodplain 1 2 6. Depositional bars or benches 0 1 3 0 2 3 7. Recent alluvial deposits 1 1 0 2 3 8. Headcuts 0.5 1.5 9. Grade control 0 1 10. Natural valley 0 0.5 1.5 11. Second or greater order channel No = 0Yes = 3 a artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 12. Presence of Baseflow Swyll Dools 2 3 0 1 (0) 2 3 13. Iron oxidizing bacteria 1 €(0.5 0 14. Leaf litter 1.5 1.5 15. Sediment on plants or debris 0 0.5 (1 1.5 16. Organic debris lines or piles 0 0.5 17. Soil-based evidence of high water table? (No = 0) Yes = 3C. Biology (Subtotal = 0 18. Fibrous roots in streambed 3 2 1) 2)-7 0 19. Rooted upland plants in streambed 3 0 2 3 20. Macrobenthos (note diversity and abundance) 0 3 21. Aquatic Mollusks 1 2 1 1.5 0 0.5 22. Fish 23. Crayfish 0 0.5 1 1.5 24. Amphibians 0 0.5 1 1.5 0 0.5 1.5 25. Algae FACW = 0.75; OBL = 1.5 Other = 0 26. Wetland plants in streambed *perennial streams may also be identified using other methods. See p. 35 of manual. In Dools Notes: amphi podsfisupods abundant shallow/flow path in upper reach becomes more defined in lower reach.

NC DWQ Stream Identification Form	Version 4.11	10000	Featu	(e (D)
Date: 2222	Project/Site:	Erwin Rd	Latitude: 35,9592	
Evaluator: Weakter & Sala+	County: Orange		Longitude: 79.0015	
Total Points: Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*		ination (circle one) ermittent Perennial	Other e.g. Quad Name:	
A. Geomorphology (Subtotal = 9)	Absent	Weak	Moderate	Strong
1 ^a Continuity of channel bed and bank	0	1	(2)	3
2. Sinuosity of channel along thalweg	0	1	2	3
In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	(1)	2	3
Particle size of stream substrate	0	6(1)	2	3
5. Active/relict floodplain	(0)	1	2	3
6. Depositional bars or benches	0	(1)	2	3
7. Recent alluvial deposits	0	1	2	3
8. Headcuts	0	07	2	3
9. Grade control	(0)	0.5	1	1.5
10. Natural valley	0	0.5	(1)	1.5
11. Second or greater order channel	M	0 = 0	Yes :	= 3
a artificial ditches are not rated; see discussions in manual				
B. Hydrology (Subtotal =)				
12. Presence of Baseflow and page 1500	0	1	2	3
13. Iron oxidizing bacteria	0)	1	2	3
14. Leaf litter	1.5	1	0.5	0
15. Sediment on plants or debris	0	0.5	1)	1.5
16. Organic debris lines or piles	0	0.5	1	(1.5)
17. Soil-based evidence of high water table?	N	0 = 0	Yes :	= 3
C. Biology (Subtotal =)				
18. Fibrous roots in streambed	3	2	(1)	0
19. Rooted upland plants in streambed	3	(2)	1	0
20. Macrobenthos (note diversity and abundance)	0	(1)	2	3
21. Aquatic Mollusks	0)	1	2	3
22. Fish	(0)	0.5	1	1.5
23. Crayfish	0	0.5	1)	1.5
24. Amphibians	0	0.5	1	1.5
25. Algae	0	0.5	1	1.5
26. Wetland plants in streambed		FACW = 0.75; OB	L = 1.5 Other = 0):
*perennial streams may also be identified using other methods		al.		
Notes: Isopods abundant, cray	tish(11)			
Sketch: Feature begins c fends a power line Re	promin our (whe	ent head	cut (fla	igged)
see field map.				(1-01)/

NC DWQ Stream Identification Form Version 4.11 Project/Site: Date: 2 Longitude: - +9, 011 Evaluator: Weakley & Salat County: **Total Points:** Stream Determination (circle one) Other Stream is at least intermittent e.g. Quad Name: Ephemeral Intermittent Perennial if ≥ 19 or perennial if ≥ 30* A. Geomorphology (Subtotal = 3.5) Strong Moderate Weak Absent 3 2 0 1a. Continuity of channel bed and bank 2 3 2. Sinuosity of channel along thalweg 0 3. In-channel structure: ex. riffle-pool, step-pool, 3 2 (0) 1 ripple-pool sequence 3 2 41 0 4. Particle size of stream substrate 3 2 0) 5. Active/relict floodplain 3 2 (0) 1 6. Depositional bars or benches 3 2 1 0 7. Recent alluvial deposits 2 3 0 1 8. Headcuts 1.5 0.5 1 0 9. Grade control 1.5 0 (0.5) 10. Natural valley Yes = 3 (No = 0 11. Second or greater order channel artificial ditches are not rated; see discussions in manual B. Hydrology (Subtotal = 5.5) 3 0 12. Presence of Baseflow 3 2 0 13. Iron oxidizing bacteria 0) 0.5 14. Leaf litter (0.5) 1.5 0 15. Sediment on plants or debris 1.5 0.5 0 16. Organic debris lines or piles upper reach Yes = 3) No = 017. Soil-based evidence of high water table? oven C. Biology (Subtotal = 1 0 2 3 18. Fibrous roots in streambed 0 (2) 1 19. Rooted upland plants in streambed 2 3 1 0 20. Macrobenthos (note diversity and abundance) 2 3 0 1 21. Aquatic Mollusks 1.5 1 0.5 0 22. Fish 1.5 1 0 0.5 23. Crayfish 1.5 0.5 b 24. Amphibians 1.5 0.5 25. Algae FACW = 0.75; OBL = 1.5 Other = 0 26. Wetland plants in streambed *perennial streams may also be identified using other methods. See p. 35 of manual Notes: origin flagged-see field map. Feature drains wetland. Channel defined below wetland but becomes more shallow downstream.

Jook Sy Page 40

3007/Page 184 page 40

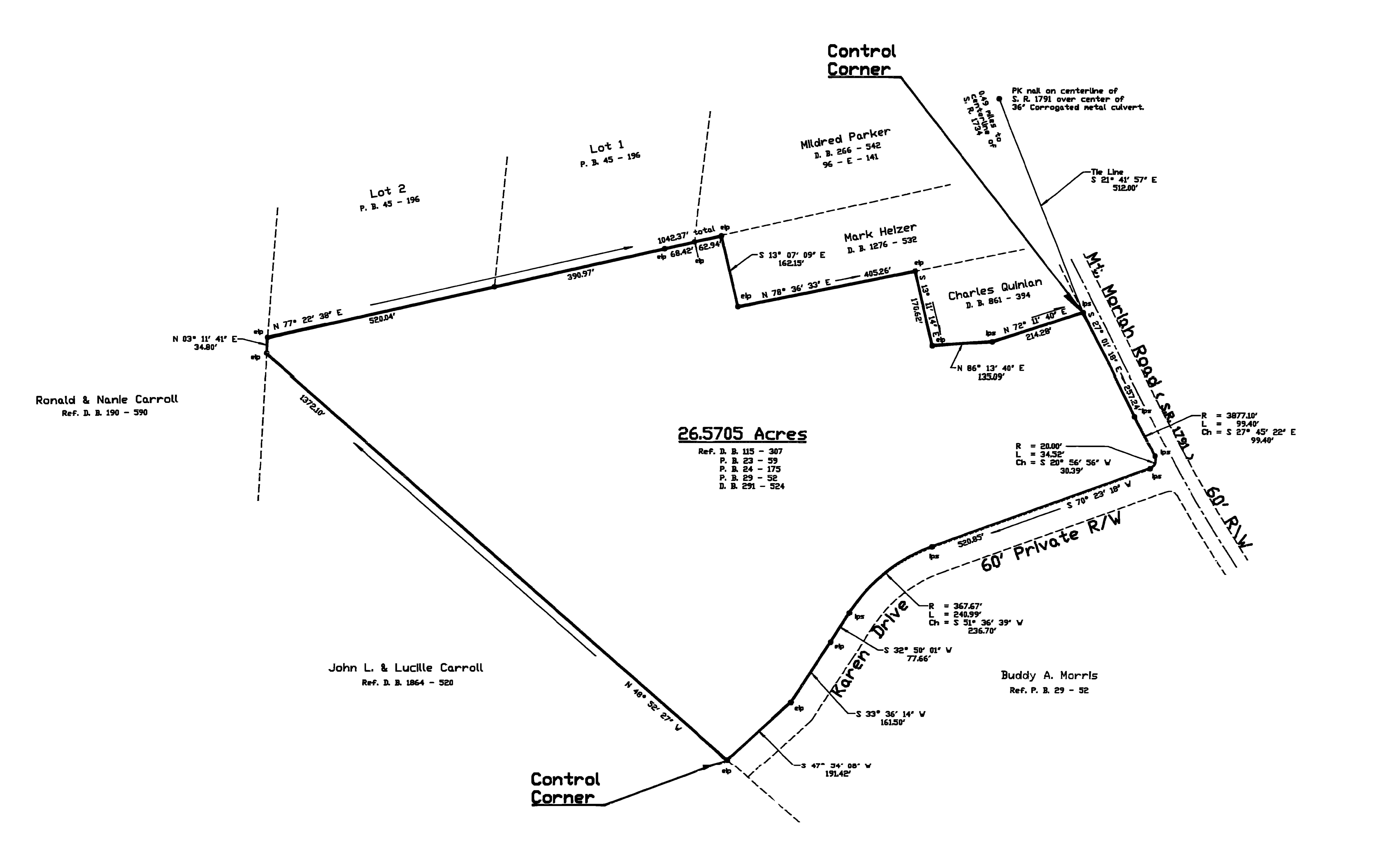
3007/Page 40

3007/Page 184 page 40

3007/Page 40

I, Janes R. Vilson, Registered Land Surveyor, do hereby certify that this plat is of a survey of an existing parcel or parcels of land and does not create a new street or change an existing street.

JOYCE II. PEARSON
REGISTER OF DEEDS
ORAGE ALC.



I, ______, Review Officer or ______ County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer

Date

State of North Carolina

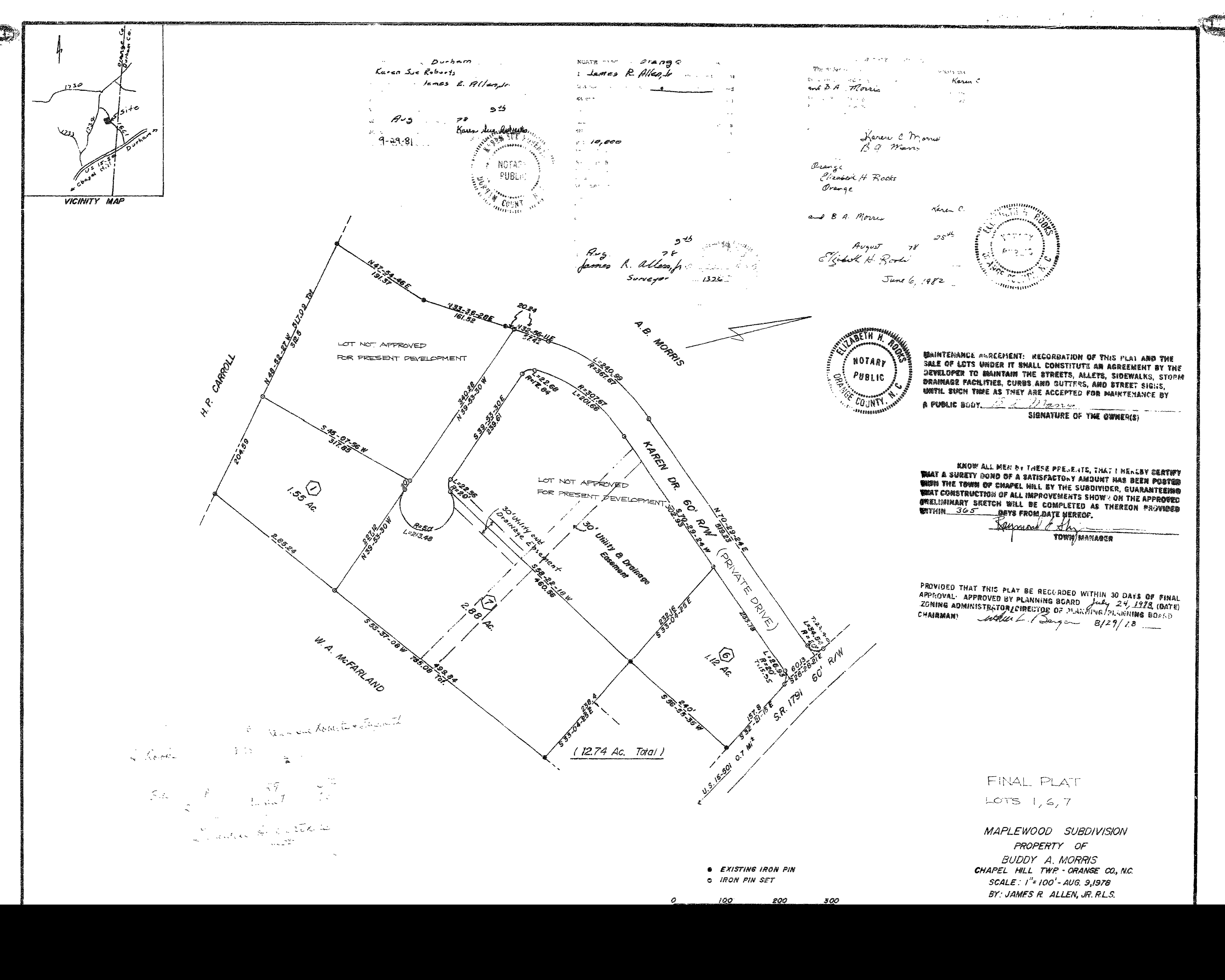
legistered Land Surveyor

Registration Number

Recorded in Map Book

, Page

, Orange County Registry.





405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

REQUEST FOR STREAM DETERMINATION

Stream determinations provide information used to determine whether the Town's Resource Conservation District (RCD) or Jordan Watershed Riparian Buffer Protection regulations apply to a property. Town staff will typically conduct a field visit to classify streams on the property(ies) indicated below within two weeks of a request, depending on weather conditions, staff availability, and scope of the request. Please note that stream determinations cannot be conducted within 48 hours of a rain event. There is no fee for stream determinations conducted by Town staff.

A stream determination report indicates the results of a stream classification. Stream classifications expire after five years. If a stream determination has been completed on or near the property(ies) listed below within the last five years, a site visit may not be required unless local hydrology has changed significantly or the stream classification has expired. If a site visit is not required, the stream determination will be based on a records review.

Requests may be emailed (aweakley@townofchapelhill.org), faxed, dropped off at Town Hall or the Stormwater Office, or mailed to the above address in care of the "Stormwater Analyst."

Requestor's Name:	Philip Beach (Sag	e Ecological Servic	es)	
Mailing Address: 3	3707 Swift Drive			
City, State, ZIP: Ra	aleigh, NC 27606			
Phone / FAX / Email:	pbeach@sageeco	logical.com		
Check method(s) for report to be sent:	☐ US Ma	il 🛛 Email	☐ FAX	☐ Call for pickup
Signature of proper the property(ies) inc				sion to Town Staff to enter on:
				December 14, 2021
	(Signature)		_	(Date)
Owner Name(s):				
O No /// .	P L I -)	(Please p		
Company Name (if a	pplicable):			
Property Informati	on rafill in Parcel ID Numbe	r (PIN) and attach a sit	e map indicating lo	cation.
Parcel ID Nu	ımber (PIN)	Д	ddress / Locatio	n Description
See attache	ed			

Where the **total area** of the property(ies) to visit is **over 3 acres**, please attach an as-built drawing or a topographic map with current landmarks.



405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

Stream Determination Request AUTHORIZED AGENT FOR LEGAL REPRESENTATION FORM

PROPERTY LEGAL DESCRIPTION:		
PARCEL ID (PIN) 9890849934 9	890945812, 9890	958043, 98908 35996
PARCEL ID (PIN) 98 908 49934 9 5217 mt mon STREET ADDRESS: 5227 mt mon	14H ROAD 5305 M	NT MORIAN ROSSOTION
Please print: Property Owner: Michae L D.		of the the less five years, a si
Property Owner:		Solema and serious
The undersigned, owner(s) of the above descri		
SEAN CLARK, of 5	AGE ELOLOG	HAL SERVICES INC
(Contractor/Agent)	(Name of consulting firm	if applicable)
to request a stream determination on this proper have taken if present, necessary for the proces this property.		
Property Owner's Address (if different than p	roperty above):	
3404 SPARTINA C	OURT Ralei	sh, NC Z7606
Owner Telephone: 919-971-8914	ETP 2018-00 등은 기계: 이번에 가면 하면 내용되었다면 되었습니다. 그 모아 그 1 :	
We hereby certify the above information submit	ted is true and accurate to the	best of our knowledge.
MANNS	12-10-2	2021
Øwner Authorized Signature	Date	(eranes sente)
		Coppany Name III approxim
Owner Authorized Signature	Date	
Contractor/Agent Authorized Signature	Date	39 m ult <u>16</u> 3557 ules 1538 m 10 4

Please return form by email (aweakley@townofchapelhill.org), fax, or mail to the above address in care of the "Stormwater Analyst." The form may also be dropped off at the Stormwater Management office at 208 N. Columbia Street, Chapel Hill, NC. For questions, please call (919) 969-RAIN.

I NEED 48 HOUR MOTIFICATION BEFORE
ENTERING THE SITE.

MIKE GOODFRED



405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

Stream Determination Request AUTHORIZED AGENT FOR LEGAL REPRESENTATION FORM

PROPERTY LEGAL DESCRIPTION:	
PARCEL ID (PIN) 9890835996	
STREET ADDRESS:	
Please print: NANNIE MAE CAR Property Owner: OF THE E STATE OF G	ROLL, WILLIAM RICHARD CARROLL ROLL, BRANDON SCOTT MCLEDAD, EXECTOR INA LYNH CARROLL, LUCILLE GCARROL
Property Owner: CINDY MCKENZIE TRU: KRISTI DANIELS	STEE, JOSEPHSCOTT DANIELS AND
The undersigned, owner(s) of the above described pro	
	25 25
2 No. 1122 P. 122	E ECOLOGIAL SERVICES INC.
(Contractor/Agent) (N	lame of consulting firm if applicable)
	d to act on my/our behalf and take all actions, I/we could suance and acceptance of the stream determination for
Property Owner's Address (if different than property	above):
472 ERWIN ROAD	DURHAM, NC 27707
Owner Telephone: 919-614-7210	Email: CLIFFE TALBERTBUILDINGSUPPLY.CO
We hereby certify the above information submitted is t	rue and accurate to the best of our knowledge.
M. C. C.M	1-4-22
Owner Authorized Signature	Date
	1
Owner Authorized Signature	Date
Contractor/Agent Authorized Signature	Date

Please return form by email (aweakley@townofchapelhill.org), fax, or mail to the above address in care of the "Stormwater Analyst." The form may also be dropped off at the Stormwater Management office at 208 N. Columbia Street, Chapel Hill, NC. For questions, please call (919) 969-RAIN.

JUHN C. CARROLL POWER OF ATTORNEY RECORDED IN DEED BOOK 6762 PAGE 1632. ORANGE COUNTY REGISTRY



405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

Stream Determination Request AUTHORIZED AGENT FOR LEGAL REPRESENTATION FORM

PROPERTY LEGAL DESCRIPTION:
PARCEL ID (PIN) 98 90 740 79 Z
STREET ADDRESS:
Please print: Property Owner: CINO1 MEKENZIE, TEUSTEE
Property Owner: JOSEPH SCOTT DANIELS AND KRISTI DANIELS SCARANTIA
The undersigned, owner(s) of the above described property, do hereby authorize
SEAN CLARK, of SAGE ECOLOGIAL SERVICES, INC. (Contractor/Agent) (Name of consulting firm if applicable)
to request a stream determination on this property and to act on my/our behalf and take all actions, I/we could have taken if present, necessary for the processing, issuance and acceptance of the stream determination for this property.
Property Owner's Address (if different than property above):
124 SWIFT CREEK LANE, MODRESUILLE NC 28/15
Owner Telephone: 704-657-3700 Email: CINDYMCKEE GMAIL. COM
We hereby certify the above information submitted is true and accurate to the best of our knowledge.
1-y-22
Owner Authorized Signature Date
Owner Authorized Signature Date
Contractor/Agent Authorized Signature Date

Please return form by email (aweakley@townofchapelhill.org), fax, or mail to the shove address in care of the "Stormwater Analyst." The form may also be dropped off at the Stormwater Management office at 208 N. Columbia Street, Chapel Hill, NC. For questions, please call (919) 969-RAIN.

JOHN C. CARROL POWER OF ATTORNEY
RECORDED IN DEED BOOK 6762 page 1625
OLANGE COUNTY REGISTRY



AGENT AUTHORIZATION FORM All Blanks to Be Filled in By the Current Landowner or Legal Representative

Name: MICHAEL D. GOODFRED				
Address: 3404 SPARTINA COURT				
RALEIGH, NC 27606				
Phone: 919- 971-8914				
Email: MGOOD FREDENC. RR. COM				
Project Name/Description: Mt. Moriah Property Sage Project # 2021.153				
Date:				
The Department of the Army U.S. Army Corps of Engineers, Wilmington District P.O. Box 1890 Wilmington, NC 28402				
Attn: Field Office:				
Re: Wetlands and Streams Related Consulting and Permitting				

To Whom It May Concern:

I, the undersigned, the owner or a duly authorized representative of record of the property/properties identified herein, do authorize representatives of the U.S. Army Corps of Engineers (Corps) to enter upon the property herein described for the purpose of conducting on-site investigations and issuing a determination associated with Waters of the U.S. subject to Federal jurisdiction under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899. I also hereby designate and authorize Sage Ecological Services to act on my behalf as my agent in the processing of permit applications, to furnish upon request supplemental information in support of applications, etc. from this day forward.

This notification supersedes any previous correspondence concerning the agent for this project.

Notice: This authorization, for liability and professional courtesy reasons, is valid only for government officials to enter the property when accompanied by Sage staff. Please contact Sage to arrange a meeting prior to visiting the site.

BY: MICHAEL D. GOODFRED

Print Name of Landowner or Legal Representative

Signature of Landowner or

Legal Representative



405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

Stream Determination Request AUTHORIZED AGENT FOR LEGAL REPRESENTATION FORM

Please return form by email (aweakley@townofchapelhill.org), fax, or mall to the above address in care of the "Stormwater Analyst." The form may also be dropped off at the Stormwater Management office at 208 N. Columbia Street, Chapai Hill, NC. For questions, please cell (919) 969-RAIN.

WILL NEED 48 HOUR NOTIFICATION BEFORE



405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

Stream Determination Request AUTHORIZED AGENT FOR LEGAL REPRESENTATION FORM

PROPERTY LEGAL DESCRIPTION:	
PARCEL ID (PIN) 9890958043	3
STREET ADDRESS: 5305 MOUNT	MORIAH ROAD, DURHAM NC 2770
Please print: Property Owner: JEFFREY	gard V
Property Owner:	
The undersigned, owner(s) of the above described	d property, do hereby authorize
SEAN CLARK , of SA (Contractor/Agent)	GE ECOLOGIAL SERVICES, INC. (Name of consulting firm if applicable)
to request a stream determination on this property have taken if present, necessary for the processin this property.	and to act on my/our behalf and take all actions, I/we could g, issuance and acceptance of the stream determination for
Property Owner's Address (if different than prop	perty above):
Owner Telephone: (919) 740-3878	Email:
We hereby certify the above information submitted	d is true and accurate to the best of our knowledge.
Jun mun' Miner Authorized Signature	1-5-22
Miner Authorized Signature	Date
Owner Authorized Signature	Date
Contractor/Agent Authorized Signature	Date

Please return form by email (aweakley@townofchapethill.org), fax, or mail to the above address in care of the "Stormwater Analyst," The form may also be dropped off at the Stormwater Management office at 208 N. Columbia Street, Chapel Hill, NC. For questions, please call (919) 969-RAIN.