



P.O. Box 548 Pittsboro, NC 27312 PHONE: (919) 545-8394

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August 30, 2022

Mr. Joshua Harvey Soil & Environmental Consultants, PA 8412 Falls of Neuse Road, Suite 104 Raleigh, North Carolina 27615

Project Name: Parks at Meadowview, Parcel #'s 10893, 83997, 61935, 5983,

85239, 85043, 5909, 5912, 89724, 89725, 89728, 89727

Location: 5430 NC-87, Pittsboro, NC 27312, Chatham County

Subject Features: Five (5) intermittent stream segments, nine (9) perennial

stream segments, eleven (11) ephemeral stream segments and forty two (42) potential wetlands.

Date of <u>June 30, 2022</u>

Determination:

Explanation:

The site visit was completed on June 30, 2022, by Drew Blake with Chatham County Watershed Protection and Steven Ball of Soil & Environmental Consultants, PA. (S&EC), on Parcel #'s 10893, 83997, 61935, 5983, 85239, 85043, 5909, 5912, 89724, 89725, 89728, 89727 that is located within the Dry Creek Haw River watershed. S&EC personnel completed a previous site visit which resulted in the identification of five (5) intermittent stream segments, nine (9) perennial stream segments, eleven (11) ephemeral stream segments and forty-two (42) potential wetlands on the property. S&EC submitted a request for Chatham County to complete a formal review to determine if the features would be subject to riparian buffers according to Section 304 of the Chatham County Watershed Protection Ordinance.

All points of origin, stream type transitions, and wetland boundaries were reviewed and agreed to in the field by all parties in attendance. The site visit resulted in the removal of one ephemeral stream segment and the relocation of the perennial start point for Feature B was moved upstream approximately 300-ft. Both updates are depicted on Wetland Sketch Map, Post Chatham County that was provided by S&EC.

Required Riparian Buffers:

All ephemeral stream segments will require a 30-ft buffer from the top of bank landward on both sides. All intermittent stream segments will require a 50-ft buffer from the top of bank landward on both sides. All perennial stream segments will require a 100-ft buffer from the top of bank landward on both sides. All perennial stream segments that have mapped floodplains will require the riparian buffer to extend to the limits of the mapped floodplain if it is more restrictive than the required riparian buffer. A 50-ft buffer will be required on all wetlands from the flagged boundary landward.

Impacts to Riparian Buffers:

Impacts to the riparian buffers may require a Riparian Buffer Authorization depending on the size and scope of the impacts. Please refer to Section 304 (J)(3) of the Chatham County Watershed Protection Ordinance to determine if your impacts will require a Riparian Buffer Authorization. If you determine that a Riparian





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Buffer Authorization is required please contact Drew Blake to receive the required application and submittal instructions.

This on-site determination shall expire five (5) years from the date of this letter. Landowners or affected parties that dispute a determination made by Chatham County, on parcels outside of the Jordan Lake watershed, may submit a request for appeal in writing to the Watershed Review Board. A request for a determination by the Watershed Review Board shall be made in accordance with Section 304 of the Chatham County Watershed Protection Ordinance. Landowners or affected parties that dispute a determination made by Chatham County, on parcels inside the Jordan Lake watershed, shall submit a request for appeal in writing to NC DWR, 401 & Buffer Permitting Unit, 1650 Mail Service Center, Raleigh, NC 27669-1650 attention of the Director of the NC Division of Water Quality.

Should this project result in any direct impacts to surface water features (i.e., crossing and/or filling streams or wetlands) additional reviews may be necessary. Additionally, a Section 404/401 Permit may be required. Any inquiries regarding Section 404/401 permitting should be directed to the Division of Water Resources (Central Office) at (919)-807-6364 and the US Army Corp of Engineers (Raleigh Regulatory Field Office) at (919)-554-4884.

Respectfully,

Drew Blake

Assistant Director, CESSWI

Drew Blake

Enclosures:

Figure 1: USGS Topographic Map – Completed by S&EC

Figure 2: NRCS Soil Survey – Completed by S&EC

Figure 3: Wetland Sketch Map – Completed by S&EC

S&EC Stream ID Forms

S&EC Wetland Data Form

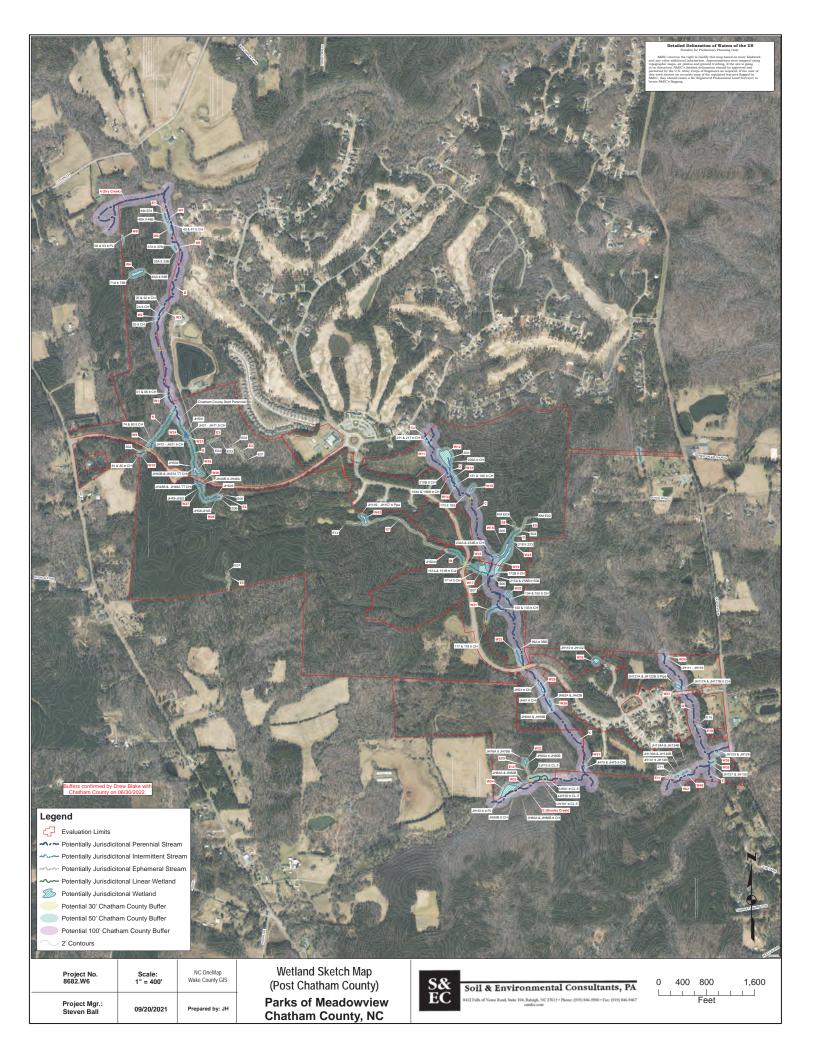
Major Subdivision Riparian Buffer Application

Authorized Agent Form

Authorization to Enter Property Form

Site Photographs – provided by S&EC

cc: Rachael Thorn, Director, Chatham County Watershed Protection Department Kimberly Tyson, Planner II/Subdivision Administrator, Chatham County Planning Department Angela Plummer, Planner II/Zoning Administrator, Chatham County Planning Department Jason Sullivan, Director, Chatham County Planning Department



Streams

<u>streams</u>								
Stream Name	Latitude	Longitude	Approximate Length on Site (linear feet)	Flow Regime	Stream Form	Buffer Jurisdiction		
E1	35.793533	-79.23846	350 LF	Ephemeral	1	30' Buffer		
E2	35.782251	-79.234044	325 LF	Ephemeral	1	30' Buffer		
E3	35.782808	-79.235604	250 LF	Ephemeral		30' Buffer		
E4	35.780241	-79.235111	160 LF	Ephemeral	4	30' Buffer		
E5	35.76408	-79.234718	300 LF	Ephemeral	5	30' Buffer		
E7	35.778814	-79.224445	2250 LF	Ephemeral	7	30' Buffer		
E8	35.778797	-79.218645	150 LF	Ephemeral	13	30' Buffer		
E9	35.778866	-79.218193	400 LF	Ephemeral	13	30' Buffer		
E10	35.769813	-79.208346	100 LF	Ephemeral	10	30' Buffer		
E11	35.767461	-79.209832	120 LF	Ephemeral	10	30' Buffer		
E12	35.767679	-79.217945	175 LF	Ephemeral		30' Buffer		
B (Int)	35.78325	-79.237291	2097 LF	Intermittent	2	50' buffer		
D intermittent	35.778453	-79.218803	303 LF	Intermittent	12	50' buffer		
K Intermittent	35.783588	-79.238242	901LF	Intermittent	2	50' buffer		
M intermittent	35.777417	-79.221645	756 LF	Intermittent	6	50' buffer		
Z intermittent	35.781551	35.781551	98LF	Intermittent	12	50' buffer		
A (Dry Creek) perennial	35.793945	-79.239053	794 LF	Perennial		100' buffer		
B perennial	35.789091	-79.238326	1487 LF	Perennial	11	100' buffer		
C perennial	35.774389	-79.218652	7958 LF	Perennial	3	100' buffer		
C2 perennial	35.783009	-79.223241	273 LF	Perennial	3	100' buffer		
C3 perennial	35.776576	-79.219992	90 LF	Perennial	3	100' buffer		
C4 perennial	35.776404	-79.220167	46 LF	Perennial	3	100' buffer		
E (Brooks Creek) perennial	35.76834	-79.207672	1752 LF	Perennial		100' buffer		
F perennial	35.767786	-79.207664	313 LF	Perennial		100' buffer		
G perennial	35.7708	-79.20865	1903 LF	Perennial	9	100' buffer		

Wetlands

<u> </u>						
Latitude	Longitude Total Approximate Size on Site (acres) Data Form		Data Form	Buffer Jurisdiction		
35.784889	-79.238151	0.04		50' buffer		
35.788421	-79.238706	0.03		50' buffer		
35.788672	-79.238444	0.02		50' buffer		
35.79044	-79.239846	0.21		50' buffer		
35.791589	-79.237764	0.03		50' buffer		
35.792536	-79.238009	0.03		50' buffer		
35.792929	-79.238259	0.06		50' buffer		
35.792929	-79.230239	0.04		50' buffer		
				_		
35.78257	-79.239163	0.05		50' buffer		
35.782149	-79.239665	0.006		50' buffer		
35.782751	-79.223592	0.05		50' buffer		
35.782123	-79.222712	0.8		50' buffer		
35.781051	-79.222059	0.05		50' buffer		
35.780715	-79.221997	0.02		50' buffer		
35.780566	-79.221101	0.05		50' buffer		
35.777018	-79.221241	0.04		50' buffer		
35.776912	-79.22052	0.36		50' buffer		
35.777687	-79.219249	0.22		50' buffer		
35.777243	-79.219459	0.61		50' buffer		
35.77572	-79.218972	0.07		50' buffer		
35.775002	-79.220006	0.06		50' buffer		
35.775002	-79.220006	0.06		50' buffer		
35.778131	-79.218838	0.02		50' buffer		
35.782907	-79.237181	0.008		50' buffer		
35.781405	-79.236597	0.2		50' buffer		
35.780791	-79.236314	0.05		50' buffer		
35.780662	-79.236323	0.005		50' buffer		
35.780184	-79.235364	0.02		50' buffer		
35.771468	-79.217086	0.16		50' buffer		
35.770706	-79.216594	0.06		50' buffer		
35.767806	-79.214721	0.02		50' buffer		
35.768038	-79.218043	0.06		50' buffer		
35.767037	-79.218135	0.04		50' buffer		
35.766898	-79.218925	0.67		50' buffer		
35.772732	-79.214031	0.12		50' buffer		
35.772929	-79.210162	0.01		50' buffer		
35.771571	-79.209463	0.1		50' buffer		
35.76857	-79.20721	0.01		50' buffer		
35.768063	-79.207501	0.02		50' buffer		
35.767613	-79.209036	0.03		50' buffer		
35.767412	-79.209564	0.03		50' buffer		
35.779275	-79.227135	0.13		50' buffer		
35.767414	-79.217463	368		50' buffer		
35.767313	-79.217221	55		50' buffer		



Soil & Environmental Consultants, PA

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> September 27, 2021 S&EC Project No.: 8682.W6

To: True Homes, LLC

Attn: Rich Taylor

2649 Brekonridge Centre Drive, Suite 104,

Monroe, NC 28110

Re: Wetland Delineation and Stream Evaluation

Parks at Meadowview Property

Chatham County, NC

Mr. Taylor:

On September 02, 2021, S&EC personnel completed the wetland delineation and stream evaluation on the Parks at Meadowview Property in Chatham County, NC. You will find the attached report detailing our findings. Maps that further document the wetland and stream related site characteristics are also attached.

The next step in the wetland and stream verification process is to visit the site with the Army Corps of Engineers' agent for Chatham County. In addition, a site meeting must be conducted with an agent for Chatham County (for review of the revised Chatham County Watershed Ordinance). Furthermore, I am attaching a copy of our agent authorization form that you should complete and return; this will grant S&EC authority to correspond with the Corps on your behalf.

As you move forward in planning your development, S&EC personnel are available for site plan review and permit consultation services. Please contact S&EC if you have any questions related to wetland and stream regulations or if you need clarification of the attached report.

Sincerely,

SOIL & ENVIRONMENTAL CONSULTANTS, PA

Steven Ball

Digitally signed by Steven Ball DN: cn=Steven Ball, o, ou=S&EC, email=sball@sandec.com, c=US Date: 2021.09.27 15:35:13 -04'00'

Digitally signed by Joshua Joshua Harvey Date: 2021.09.27 15:19:23

Steven Ball, RF, PWS

Joshua Harvey

Project Manager

Environmental Scientist

Attachments:

- 1) Wetland Delineation Report
- 2) USGS site vicinity map
- 3) NRCS Soil Survey
- 4) Wetland & Stream Sketch Map
- 5) Agent Authorization Form



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CHATHAM COUNTY BUFFER EVALUATION FOR THE PARKS AT MEADOWVIEW PROPERTY

On **SEPTEMBER 02, 2021**, S&EC personnel completed a Chatham County Buffer evaluation on the Parks at Meadowview Property (±693 acres). The site is located off Parks Meadow Drive in Chatham County, NC. Figure 1 and Figure 2 show the location of the site on a USGS topographic quadrangle and NRCS County Soil Survey, respectively.

EXECUTIVE SUMMARY

We have determined that some on-site features will likely require county buffer protection as well as be regulated by the USACE. The attached sketch map depicts the approximate location of each buffer area. The exact location of each delineated area should be surveyed with appropriate buffer widths established and incorporated into planning for the project.

SCOPE OF WORK

The Chatham County Buffer Evaluation was conducted according to guidelines referenced in the Chatham Watershed Protection Ordinance Section 304(E)10. Specifically, the ordinance directs evaluators to the "Field Procedures for Classification of Streams and Waterbodies, Chatham County, NC" (December 12, 2007), which "prescribes methodologies for establishing the location and extent of streams and water bodies in the field." Areas on the site that met the criteria for buffer protection were delineated in the field with numbered, orange S&EC logo flagging. It is important to note that some features described in this report may meet the criteria for jurisdictional wetlands or other Waters of the US regulated by the US Army Corps of Engineers (USACE) and/or the NC Division of Water Quality (NC-DWQ) under authority of the Clean Water Act (33 USC 1344).

RESULTS & RECOMMENDATIONS

The results of the Chatham County Buffer Evaluation are discussed below.

Chatham County Buffers:

We have determined that the following on-site areas meet the criteria for buffer protection as defined by the Chatham County Watershed Protection Ordinance. Please refer to the attached "Wetland Sketch Map" for specific flag numbers and approximate locations.

A number of jurisdictional features were observed during the site evaluation; the approximate locations of each are illustrated on the attached wetland sketch map.

Perennial Streams that would likely require a 100-foot buffer were identified on-site and are described below:

- Feature A (Dry Creek) is a wide perennial channel along the northern property boundary.
- Feature B (UT to Dry Creek) starts at flag S01 and will likely be considered perennial until its convergence with Feature A.

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- Feature C (UT to Brooks Creek) starts off property to the north and is likely perennial until its convergence with Feature E.
- Feature C2 (UT to Brooks Creek) starts off property to the north and is likely perennial until its convergence with Feature C2.
- Feature C3 (UT Brooks Creek) starts at flag C3 and is believed to be perennial until its convergence with Feature C.
- Feature C4 (UT to Brooks Creek) starts at flag C4 and is believed to be perennial until its convergence with Feature C.
- Feature E (UT to Brooks Creek) starts off property to the west and is believed to be perennial throughout its extent.
- Feature G (UT to Brooks Creek) starts off property to the north and will likely be considered perennial until its convergence with Feature E.
- Feature F (UT to Brooks Creek) starts off property to the south as will likely be considered perennial until its convergence with Feature E.

Intermittent Streams that would likely require a 50-foot buffer were identified on-site and are described below:

- Feature B (UT to Dry Creek) starts at flag JHS03 and is believed to be intermittent until dissipating into wetland W25. This feature starts again at flag JHS02 and is believed to be intermittent until flag S01.
- Feature B2 (UT to Dry Creek) starts of flag JHS01 and is believed to be intermittent until its convergence with Feature B.
- Feature D (UT to Brooks Creek) starts at flag S04 and will likely be considered intermittent until dissipating into a wetland at flag S05.
- Feature G (UT to Brooks Creek) starts off property to the north and is believed to be intermittent throughout its extent.
- Feature M (UT to Brooks Creek) starts at flag JHS04 and is believed to be intermittent until its convergence with Feature C.
- Feature K (UT to Dry Creek) starts at flag S02 and is believed to be intermittent until its convergence with Feature B.
- Feature Z (UT to Brooks Creek) starts at flag S03 and is believed to be intermittent until its convergence with Feature C.

Ephemeral Streams that would likely require a 30-foot buffer were identified on-site and are described below:

- Feature E1 (UT to Dry Creek) starts at flag KM E01 and is believed to be ephemeral until its convergence with Feature B.
- Feature E2 (UT to Dry Creek) starts at flag E01 and is believed to be ephemeral until flag E02.
- Feature E3 (UT to Dry Creek) starts at flag E03 and is believed to be ephemeral until flag E04.
- Feature E4 (UT to Dry Creek) starts at flag E05 and is believed to be ephemeral until flag E06.
- Feature E5 (UT to Brooks Creek) starts at flag E07 and is believed to be ephemeral throughout its extent.

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- Feature E6 (UT to Brooks Creek) starts at flag E08 and is believed to be ephemeral until its convergence with Feature E5.
- Feature E7 (UT to Brooks Creek) starts at flag E12 and is believed to be ephemeral until flag JHS04.
- Feature E8 (UT to Brooks Creek) starts at flag KM E03 and is believed to be ephemeral until flag S04.
- Feature E9 (UT to Brooks Creek) starts at flag KM E02 and is believed to be ephemeral until flag E04.
- Feature E10 (UT to Brooks Creek) starts at flag E10 and is believed to be ephemeral until its convergence with Feature G.
- Feature E11 (UT to Brooks Creek) starts at flag E11 and is believed to be ephemeral until its convergence with Feature E.
- Feature E12 (UT to Brooks Creek) starts at flag E09 and is believed to be ephemeral until flag LW15.

Wetland areas identified on-site would potentially require a 50-foot buffer.

Wetlands on-site have been delineated and will need to be approved by the USACE.
 These wetlands will need to be surveyed and placed on a map for planning purposes.
 Please see attached sketch map for the locations and flag numbers of the wetlands identified on-site.

Surface waters on this site flow into Dry Creek & Brooks Creek in the Cape Fear River Basin, which have been classified in "Classification and NC DWQ Standards Applicable to Surface Waters and Wetlands of North Carolina" as WS-IV; NSW & WS-IV,B;NSW, respectively.

The stream on this site will likely be subject to buffer regulations administered by state and local authorities. A brief description of county buffers can be found in the regulations section of this report. The project engineer or planner should provide input toward the application of these regulations to the site plan during design and review.

All S&EC flags comprising the Chatham County Buffer Evaluation should be surveyed for use in site planning and county approval and permitting. The entire length of the stream feature was not flagged but will need to be survey located for the map. Stream features may be located either along the centerline (with channel widths noted at each survey point) or at the top-of-bank. S&EC delineation flag numbers should be shown on the survey.

Regulations

A short list of regulations that apply to buffer areas observed on the site are discussed below. Please be aware that other local, state, and federal regulations not included in this list may also apply. S&EC personnel are available to discuss these regulations as they apply to your project.

Chatham County Watershed Protection Ordinance

The Chatham County Watershed Protection Ordinance was revised February 20, 2012 to require stringent buffer requirements around surface water features in the County's jurisdiction. The ordinance requires all stream classifications to be conducted by a qualified professional who has

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received documented certification of training in classifying streams and surface waters in North Carolina. Additionally, all wetland delineations must be conducted by a qualified professional who has at least 2 years of demonstrated experience in conducting wetland delineations in North Carolina under the Clean Water Act Sections 401 and 404 provisions. All field determinations of streams are subject to review and approval by the County.

The ordinance requires a one hundred (100') foot buffer along each side of perennial streams, or the full horizontal extent of the "Area of Special Flood Hazard 5" as most recently mapped by the North Carolina Floodplain Mapping Program, NC Division of Emergency Management, whichever is greater. Intermittent Streams require a fifty (50') foot riparian buffer along each side. Ephemeral Streams require a thirty (30') foot buffer along each side. Wetlands require a riparian buffer of fifty (50') feet from the delineated boundary, surrounding all features classified as wetlands and linear wetlands.

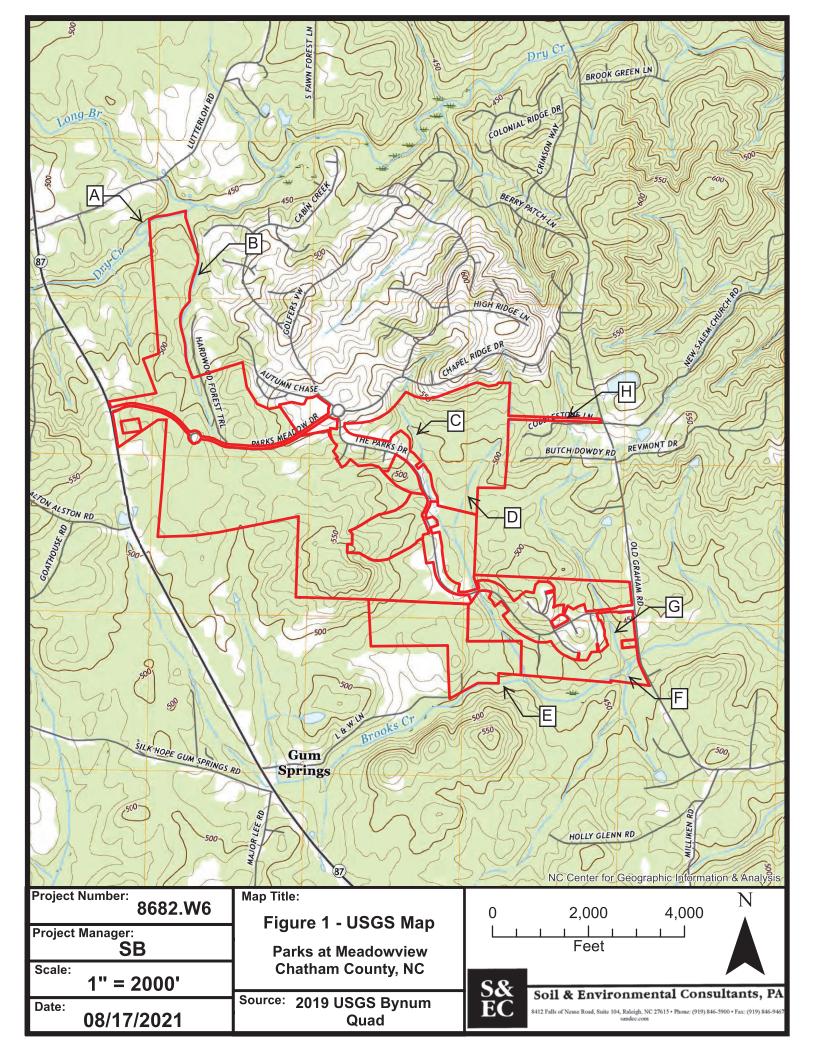
Before <u>any</u> land disturbance activities may begin, and in addition to any erosion control notification, the riparian buffer boundaries must be clearly flagged in the field and approved by county staff. Tree protection fencing, or other approved protective measures must be installed along the approved flagging lines.

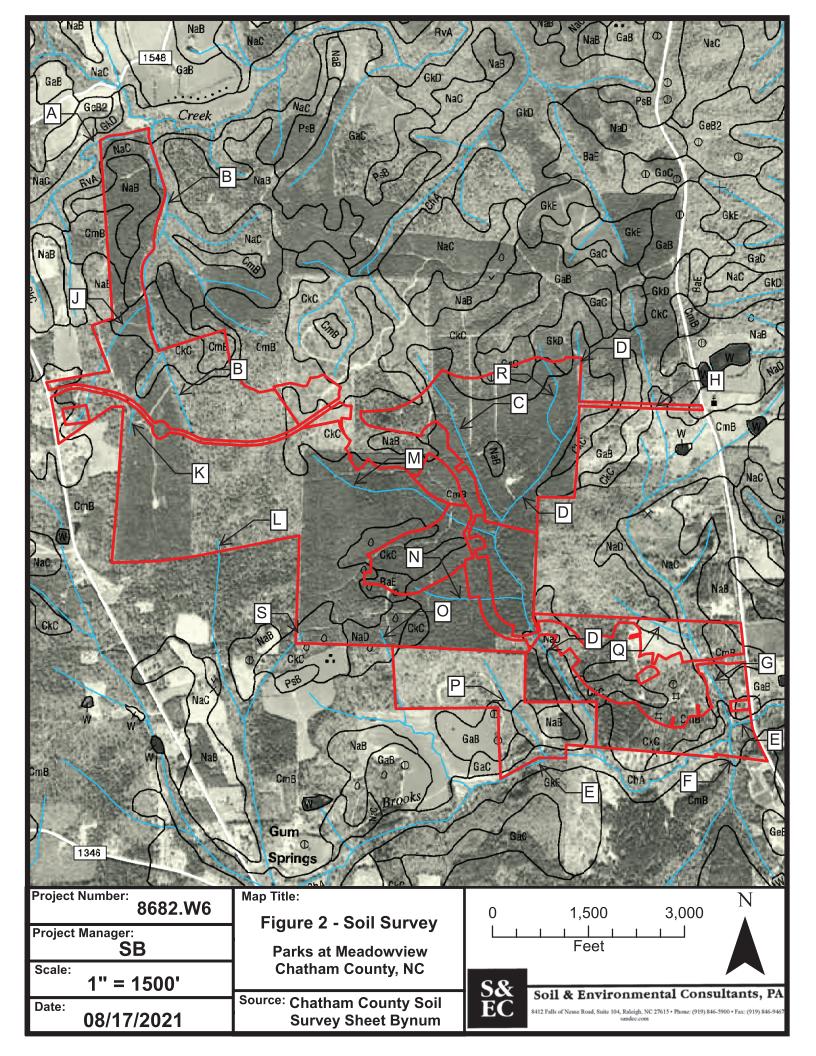
Limitations

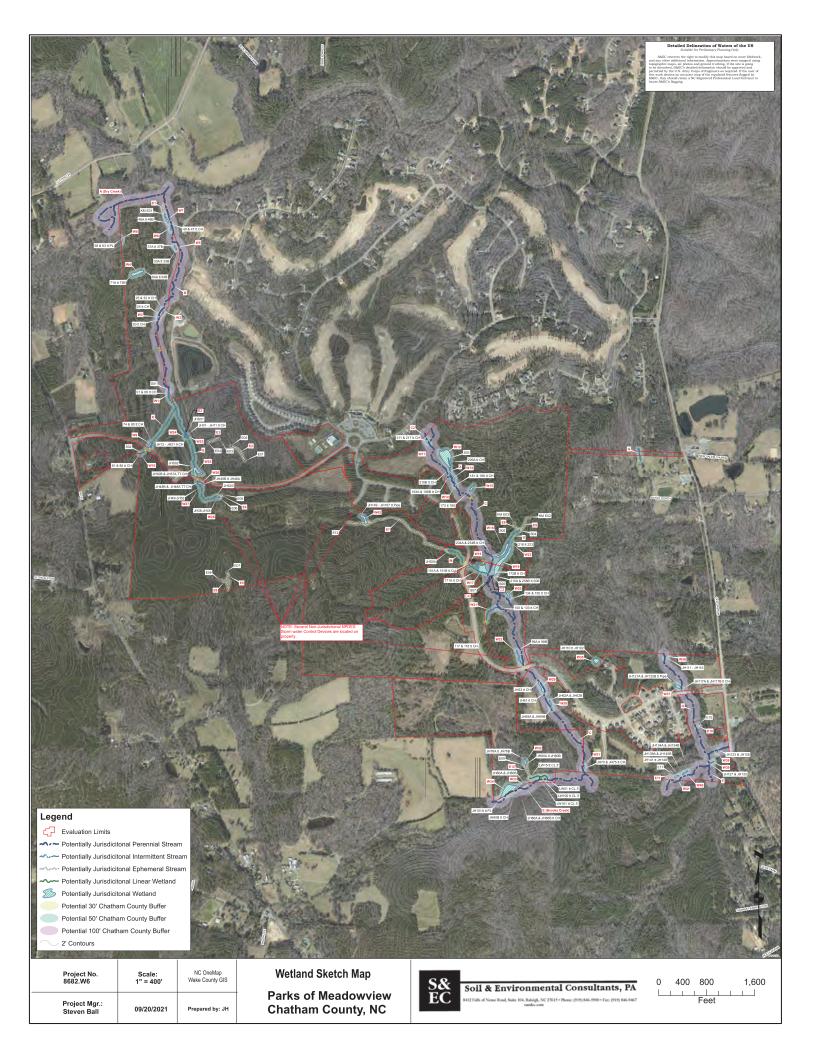
Our evaluations, conclusions, and recommendations are based on project and site information available to us at the time of this report and may require modification if there are any changes in the project or site conditions, or if additional data about the project or site becomes available in the future. This report is intended for use by True Homes, LLC on this project. These findings are not intended or recommended to be suitable for reuse on extensions of the project or on any other project. Reuse on extensions of this project or on any other project shall be done only after written verification or adaptation by SOIL & ENVIRONMENTAL CONSULTANTS, PA, for the specific purpose intended.

CONCLUSION

The Chatham County Buffer Evaluation for Parks at Meadowview Property was completed by S&EC on September 02, 2021. This site contains buffered areas that require protection under the Chatham County Watershed Protection Ordinance as well as areas regulated by the USACE. Some activities such as utility crossings are allowed in the riparian buffer as prescribed under Section 304(F)10. Please have the buffer survey forwarded to our office upon completion for our verification and review.









Soil & Environmental Consultants, PA

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PROPERTY OWNER CERTIFICATION / AGENT AUTHORIZATION

Project Name/Description:			S&EC Project	et #
Date:				
The Department of the Army U.S. Army Corps of Engineers, 69 Darlington Avenue Wilmington, NC 28403	Wilmington Distr	ict		
Attn: Field	Office:			
authorize representatives of the Environmental Consultants, PA (5 for the purpose of conducting or of the U.S. subject to Federal jurthe Rivers and Harbors Act of 18 behalf and take all actions neces certification and any and all assorprevious correspondence concern NOTICE: This authorization, for officials to enter the property when meeting prior to visiting the site. PARCEL INFORMATION: Parcel Index Number(s) (PIN): Site Address:	Wilmington Distri S&EC) staff (as man-site investigation risdiction under Si 199. This docume sary for the proceeding the agent for Ining the agent for Illiability and profeed aren accompanied	ct, U.S. Any agent) in agent) in agent) in a and issection 404 ent also at essing, issection and special resional colors.	ourtesy reasons, is valid only for g staff. You should call S&EC to arr	nd Soil & described with Waters ection 10 of act on my t or rsedes any
City, County, State:				
PROPERTY OWNER INFORM	IATION:			
Name:				
Address:				
Phone No.: ()	Fax No.: ()	Mobile No.: ()	
Email:				
Property Owner (please print)		_	Date	
Property Owner Signature				

We hereby certify the above information submitted in this application is true and accurate to the best of our knowledge.

SF1 - Feature E2

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.782235
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.234034
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad
		M 1 1 01

II = 19 01 perennan ii = 30					
A. Geomorphology (Subtotal = 9)	Absent	Weak	Moderate	Strong	
1ª. Continuity of channel bed and bank	0	1 1	(2)	3	
	0	1	(2)	3	
2. Sinuosity of channel along thalweg	0	l	(2)	3	
In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3	
4. 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	
8. Headcuts	0	1	2	3	
9. Grade control	0	(1.5)	1	1.5	
10. Natural valley	0	0.5	1	1.5	
11. Second or greater order channel	No =(0)		Yes = 3		
^a artificial ditches are not rated; see discussions in manual			•		
B. Hydrology ²					
12. Presence of Baseflow	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?	No	No =0		Yes = 3	
C. Biology (Subtotal = 4)					
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	

C. Biology (Subtotal = <u>4</u>)				
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; OBL = 1.5 Other = 0				

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF2 - Feature B & K

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.780038	
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.235980	
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermitten Perennial	Other e.g. Quad Name: Bynum Quad	

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
In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. 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
8. Headcuts	0	1	2	3
9. Grade control	0	(1.5)	1	1.5
10. Natural valley	0	0.5	(1)	1.5
11. Second or greater order channel	N	o = (0)	Yes	= 3
artificial ditches are not rated; see discussions in manual	•		•	
B. Hydrology 5.5)				
40 B (B (I				_

0	1	2	3
0	1	2	3
1.5	1)	0.5	0
0	0.5	1	1.5
0	0.5	1	1.5
No	0 = 0	Yes	=(3)
	0 0 1.5 0 0 No	0 1 1.5 1 0 0.5 0 0.5 No = 0	

C. Biology (Subtotal = $\frac{7.5}{}$)

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; OBL = 1.5 Other = 0				

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF3 - Feature C

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.771978	
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.217509	
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad	

A. Geomorphology (Subtotal = 13	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, ripple-pool sequence	0	1	2	3
4. 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
8. 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 artificial ditches are not rated; see discussions in manual	No) = 0	Yes	=(3)

B. H	ydrology	8.5)

12. Presence of Baseflow	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	o = 0	Yes	=(3)

C	Riology	(Subtotal = 10	١
U.	DIUIUUV	i Subibiai – i v	,

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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; (OBL = 1.5 Other = 0	

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF4 - Feature E4

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.780192
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.235132
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad

A. Geomorphology (Subtotal = 4.5)	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
In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. 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
8. 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	N	o = (0)	Yes	= 3
artificial ditches are not rated; see discussions in manua				
B. Hydrology 1.5)				
12. Presence of Baseflow	0	1	2	3
13 Iron oxidizing bacteria		1	2	3

12. Presence of Baseflow	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	o = (0)	Yes	= 3

C.	Riology	(Subtotal =	4.75	١
U .	DIUIUUV	(Sublulai –	•	,

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) (OBL = 1.5 Other = 0)

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF5 - Feature E5 & E6

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.782235
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.234034
Total Points: Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*	Stream Determination (circle one) Ephemera Intermittent Perennial	Other e.g. Quad Name: Bynum Quad

A. Geomorphology (Subtotal = 7.5)	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
In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. 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
8. 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 artificial ditches are not rated; see discussions in manual	No =(0)		Yes = 3	
B. Hydrology 1.5				
12. Presence of Baseflow	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?	No	0 = 0	Yes	= 3
C. Biology (Subtotal = 4)			·	
18. Fibrous roots in streambed	3	(2)	1	0
10. I Ibrous roots in streambed			· ·	

<u> </u>				
C. Biology (Subtotal = 4				
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; OBL = 1.5 Other =(0)			

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF6 - Feature M

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.777666
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.221856
Total Points: Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad

A. Geomorphology (Subtotal = $\frac{9}{}$)	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
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. 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
8. 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 artificial ditches are not rated; see discussions in manual	No =(0) Yes		= 3	
B. Hydrology 5.5 12. Presence of Baseflow	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		0.5	1	1.5
16. Organic debris lines or piles	0	0.5	(1)	1.5
17. Soil-based evidence of high water table?	No	o = 0	Yes	₹3)
C. Biology (Subtotal = 6)			- 1	
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
•	\rightarrow		+	

21. Aquatic Mollusks (0) 2 3 1 (0) 22. Fish 0.5 1.5 1 0 23. Crayfish 0.5 1 1.5 24. Amphibians (0) 1.5 0.5 1 25. Algae (0)0.5 1.5 FACW = 0.75; OBL = 1.5 Other = 026. Wetland plants in streambed

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF7 - Feature E7

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.779067	
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.224909	
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad	

ii 2 19 0i pereninarii 2 30				
A. Geomorphology (Subtotal = 5.5	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
In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. 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
8. 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	N	o = (0)	Yes = 3	
B. Hydrology 1.5 12. Presence of Baseflow	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	o = (0)	Yes	= 3

2:::; 6:: 6:: 6:: 6:: 7				
12. Presence of Baseflow	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?	No	o = (0)	Yes	= 3
C Biology (Cubtotal - 4				

C. Biology (Subtotal = 4)				
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; OBL = 1.5 Other = 0			

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF8 - Feature G

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.782229
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.211648
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad

A. Geomorphology (Subtotal = 8)	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, ripple-pool sequence	0	1	2	3
4. 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
8. 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	N	o = (0)	Yes	= 3

artificial ditches are not rated; see discussions in manual

B. Hydrology 7.5				
12. Presence of Baseflow	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?	No	0 = 0	Yes	₹3
C. Biology (Subtotal = 8)				
18. Fibrous roots in streambed	3	2	1	0
19 Rooted upland plants in streamhed	(3)	2	1	0

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; OBL = 1.5 Other =0			

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF9 - Feature G

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.772002
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.209392
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad

A. Geomorphology (Subtotal = 14.5	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)
In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. 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
8. 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	No) = (0)	Yes	= 3
artificial ditches are not rated; see discussions in manual	•		•	
B. Hydrology 8.5				
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12. Presence of Baseflow	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?	No = 0		Yes	=3

C	Riology	(Subtotal =	8	١
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	_				
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 OBL = 1.5 Other = 0				

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF10 - Features E10 & E11

NC DWQ Stream Identification Form Version 4.1

Date: 08/31/2021	Project/Site: Parks at Meadowview	Latitude: 35.769758
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.208315
Total Points: Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*	Stream Determination (circle one) Ephemera Intermittent Perennial	Other e.g. Quad Name: Bynum Quad

A. Geomorphology (Subtotal = 5.5	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, 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
8. 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	N	o = 0	Yes	= 3
B. Hydrology ²				
12. Presence of Baseflow	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 dehris	0	6.3	1	1.5

B. Hydrology ²				
12. Presence of Baseflow	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?	No = 0 Yes = 3			= 3

C. Biology (Subtotal = 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; OBL = 1.5 Other = 0				

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF11 - Feature B

NC DWQ Stream Identification Form Version 4.1

Date: 08/30/2021	Project/Site: Parks at Meadowview	Latitude: 35.789070
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.238327
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad

A. Geomorphology (Subtotal = $\frac{15.5}{}$)	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
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
8. 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	No	= 0	Yes	3

D	Hydrology	9	`	

Bi riyarology /				
12. Presence of Baseflow	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?	No = 0		Yes	3

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; OBL = 1.5 Other = 0			

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF12 - Feature D & Z

NC DWQ Stream Identification Form Version 4.1

Date: 09/02/2021	Project/Site: Parks at Meadowview	Latitude: 35.778411	
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.218804	
Total Points: Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*	Stream Determination (circle one) Ephemeral (ntermitten) Perennial	Other e.g. Quad Name: Bynum Quad	

A. Geomorphology (Subtotal = 8.5)	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, ripple-pool sequence	0	1	2	3
4. 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
8. 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	No = 0 Yes = 3		= 3	
artificial ditches are not rated; see discussions in manual	•		•	
B. Hydrology ^{6.5})	T			T
12. Presence of Baseflow	0	\bigcirc	2	3

12. Presence of Baseflow	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?	No = 0		Yes	=(3)

\sim	Riology	(Subtotal = 5	
\ 1.	1 110 110 10 10 10	130000a - 3	

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; OBL = 1.5 Other =(0)			

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

SF13 - Feature E8 & E9

NC DWQ Stream Identification Form Version 4.1

Date: 09/02/2021	Project/Site: Parks at Meadowview	Latitude: 35.778970
Evaluator: S&EC - Joshua Harvey & Mason Montgomery	County: Chatham	Longitude: -79.218121
Total Points: Stream is at least intermittent 11 if ≥ 19 or perennial if ≥ 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name: Bynum Quad

A. Geomorphology (Subtotal = _) 4.5	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, ripple-pool sequence	0	1	2	3
4. 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
8. 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	No = 0) Yes = 3		= 3	
artificial ditches are not rated; see discussions in manual	•		•	
B. Hydrology ^{1.5})				
12 Presence of Baseflow		1	2	3

12. Presence of Baseflow	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?	No = 0		Yes	= 3

\sim	Biology	/ E	١.
U.	DIOIOUV	(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; OBL = 1.5 Other = 0			

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region

Project/Site: Parks at Meadowview	City/County: Chatham		Sampling Date: 08/31/21
Applicant/Owner: True Homes, LLC		State: NC	Sampling Point: DP1_wet
Investigator(s): S&EC- Josh Harvey	Section, Township, Range:	Pittsboro	
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex,	none): Concave	Slope (%): 0-2
Subregion (LRR or MLRA): LRR P, MLRA 136 Lat:	35.781340 Long: -	79.236451	Datum: NAD 83
Soil Map Unit Name: CmB		NWI classificat	
Are climatic / hydrologic conditions on the site typical for	or this time of year? Yes X		explain in Remarks.)
Are Vegetation , Soil , or Hydrology		Circumstances" present?	
		•	
Are Vegetation, Soil, or Hydrology		plain any answers in Re	,
SUMMARY OF FINDINGS – Attach site ma	p showing sampling point location	ons, transects, im	portant features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X Yes X	No Is the Sampled Area within a Wetland?	Yes X	No
Wetland Hydrology Present? Remarks: Yes X	No		
HYDROLOGY			
High Water Table (A2) Hydr Saturation (A3) X Oxid Water Marks (B1) Pres Sediment Deposits (B2) Rece Drift Deposits (B3) Thin Algal Mat or Crust (B4) Othe Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No X Water Table Present? Yes No X Saturation Present? Yes No X	Aquatic Plants (B14) rogen Sulfide Odor (C1) ized Rhizospheres on Living Roots (C3) ence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils (C6) Muck Surface (C7) er (Explain in Remarks) Depth (inches): Depth (inches):	Surface Soil Crack Sparsely Vegetate Drainage Patterns Moss Trim Lines (Dry-Season Water Crayfish Burrows (ed Concave Surface (B8) s (B10) B16) r Table (C2) (C8) on Aerial Imagery (C9) ed Plants (D1) cion (D2) (D3) Relief (D4)
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring w	ell, aerial photos, previous inspections), if av	/ailable:	

VEGETATION (Four Strata) – Use scientific names of plants.

Tree Stratum (Plot size: 30ft X 30ft) 1. Acer rubrum 2. Carpinus caroliniana	% Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
2. Carpinus caroliniana	20	Yes	FAC		
	5	No	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A	١.
2. Dinus toods					1)
3. Pinus taeda	10	Yes	FAC	Total Number of Dominant	
4				Species Across All Strata: 7 (B	5)
5.				Percent of Dominant Species	(5)
6.					/B)
7				Prevalence Index worksheet:	
F00/ / / / /		=Total Cover	_	Total % Cover of: Multiply by:	•
50% of total cover: 18	20%	of total cover:	7	OBL species x 1 =	•
Sapling/Shrub Stratum (Plot size: 15ft X 15ft)				FACW species x 2 =	-
1. Ligustrum sinense	15	Yes	FACU	FAC species x 3 =	
2.				FACU species x 4 =	
3.				UPL species x 5 =	
4.				Column Totals:(A)	(B)
5				Prevalence Index = B/A =	
6.				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8.		'		X 2 - Dominance Test is >50%	
9.				3 - Prevalence Index is ≤3.0 ¹	
	15	=Total Cover		4 - Morphological Adaptations ¹ (Provide suppor	rting
50% of total cover: 8	20%	of total cover:	3	data in Remarks or on a separate sheet)	
Herb Stratum (Plot size: 5ft X 5ft)				Problematic Hydrophytic Vegetation ¹ (Explain)	
1. Juncus effusus	20	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology mus	
2. Carex lurida	10	Yes	OBL	present, unless disturbed or problematic.	si be
3. Rubus argutus	5	No	FACU	Definitions of Four Vegetation Strata:	
4.		110	17100		-\
5.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardles	
·				height.	5 01
6.					
7		-		Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than or equal to 3.28 ft	ess
8				(1 m) tall.	
9					
10				Herb – All herbaceous (non-woody) plants, regardle	ess
11				of size, and woody plants less than 3.28 ft tall.	
		=Total Cover		Woody Vine – All woody vines greater than 3.28 ft	in
50% of total cover:18	20%	of total cover:	7	height.	
Woody Vine Stratum (Plot size: 30ft X 30ft)					
,	10	Yes	FAC		
		V	FAC		
1. Smilax rotundifolia	5	Yes			
Smilax rotundifolia Vitis rotundifolia	5	Yes			
 Smilax rotundifolia Vitis rotundifolia 	5	res			
1. Smilax rotundifolia	5	res		Undranbridia	
 Smilax rotundifolia Vitis rotundifolia 4. 		=Total Cover		Hydrophytic Vegetation	

Sampling Point:

DP1_wet

SOIL Sampling Point: DP1_wet

	ription: (Describe t	o the dep				ator or co	onfirm the absence	of indic	ators.)		
Depth	Matrix			x Featur		12	T d		Demode		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0-20	10YR 4/2	80	10YR 5/4	20	С	PL	Loamy/Clayey				
			-								
	ncentration, D=Depl	etion, RM	=Reduced Matrix, N	1S=Mas	ked Sand	d Grains.			ore Lining, M=Matrix.		
Hydric Soil II									or Problematic Hydric Soils ³ :		
Histosol (,		Polyvalue Be					-	uck (A10) (MLRA 147)		
	pedon (A2)		Thin Dark Su						rairie Redox (A16)		
Black His			Loamy Muck			ILRA 136	6)		A 147, 148)		
	Sulfide (A4)		Loamy Gleye					-	nt Floodplain Soils (F19)		
	Layers (A5)		X Depleted Ma				(MLRA 136, 147)				
	ck (A10) (LRR N)	(/////	Redox Dark		. ,			Red Parent Material (F21)			
	Below Dark Surface rk Surface (A12)	(A11)	Depleted Da Redox Depre				(outside MLRA 127, 147, 148) Very Shallow Dark Surface (F22)				
	ucky Mineral (S1)		Iron-Mangan		. ,	2) (I RR N		Other (Explain in Remarks)			
	eyed Matrix (S4)		MLRA 136		3303 (1 12	<u> </u>		_			
Sandy Re	-		Umbric Surfa	,	3) (MLRA	122. 136	3) 3Inc	dicators o	f hydrophytic vegetation and		
	Matrix (S6)		Piedmont Flo					wetland hydrology must be present,			
Dark Surf			Red Parent I						listurbed or problematic.		
Restrictive L	ayer (if observed):				. , ,						
Type:	.,										
Depth (in	ches):						Hydric Soil Pres	sent?	Yes X No		
Remarks:	<u> </u>						•				
This data she	et is revised from Ea	astern Mo	untains and Piedmo	nt Regi	onal Sup	plement \	Version 2.0 to includ	de the NR	CS Field Indicators of Hydric		
Soils, Version	8.0, 2016.										

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region

Project/Site: Parks at Meadowview	City/County: Chatham		Sampling Date: 08/31/21			
Applicant/Owner: True Homes, LLC		State: NC	Sampling Point: DP2_Up			
Investigator(s): S&EC- Josh Harvey	Section, Township, Range:	Pittsboro				
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, n	one): Convex	Slope (%): 2-4			
Subregion (LRR or MLRA): LRR P, MLRA 136 Lat: 35.781	162 Long: -79	9.236109	Datum: NAD 83			
Soil Map Unit Name: CmB		NWI classifica				
Are climatic / hydrologic conditions on the site typical for this tim	ne of year? Yes X		explain in Remarks.)			
Are Vegetation , Soil , or Hydrology signific		cumstances" present?				
Are Vegetation, Soil, or Hydrologynatural		ain any answers in Re				
SUMMARY OF FINDINGS – Attach site map show	wing sampling point locatio	ns, transects, im	portant features, etc.			
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area					
Hydric Soil Present? Yes No	x within a Wetland?	Yes	No X			
Wetland Hydrology Present? Yes No						
Remarks:	X					
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators	(minimum of two required)			
Primary Indicators (minimum of one is required; check all that a	apply)	Surface Soil Crac	ks (B6)			
Surface Water (A1)True Aquatic	Plants (B14)	Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2) Hydrogen Su	lfide Odor (C1)	Drainage Patterns	ge Patterns (B10)			
	zospheres on Living Roots (C3)	Moss Trim Lines (
l 	Reduced Iron (C4)	Dry-Season Water Table (C2)				
Sediment Deposits (B2) Recent Iron F	Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)				
Drift Deposits (B3) Thin Muck Su	urface (C7)	Saturation Visible on Aerial Imagery (C9)				
	n in Remarks)	Stunted or Stressed Plants (D1)				
Iron Deposits (B5)		Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard	(D3)			
Water-Stained Leaves (B9)	-	Microtopographic				
Aquatic Fauna (B13)		FAC-Neutral Test				
Field Observations:						
Surface Water Present? Yes No X Dept	th (inches):					
	th (inches):					
		ydrology Present?	Yes No X			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aeria	photos, previous inspections), if ava	ailable:				
Remarks:						

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: DP2_Up Absolute Dominant Indicator % Cover Species? Tree Stratum (Plot size: 30ft X 30ft) Status **Dominance Test worksheet:** 1. Acer rubrum 20 Yes FAC **Number of Dominant Species** 2. Carpinus caroliniana 5 Yes FAC That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: 7 (B) 5. Percent of Dominant Species 42.9% 6. That Are OBL, FACW, or FAC: (A/B) 7. Prevalence Index worksheet: 25 =Total Cover Total % Cover of: Multiply by: 50% of total cover: 13 20% of total cover: OBL species x 1 = ____ Sapling/Shrub Stratum (Plot size: 15ft X 15ft **FACW** species x 2 = ____ 25 ___ 1. Ligustrum sinense **FACU FAC** species x 3 = 2. FACU species x 4 = 3. UPL species x 5 = Column Totals: (A) 4. (B) 5. Prevalence Index = B/A = 6. **Hydrophytic Vegetation Indicators:** 7. 1 - Rapid Test for Hydrophytic Vegetation 8. 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 9. 4 - Morphological Adaptations¹ (Provide supporting 25 =Total Cover data in Remarks or on a separate sheet) 50% of total cover: _ 13 20% of total cover: Herb Stratum (Plot size: 5ft X 5ft) Problematic Hydrophytic Vegetation¹ (Explain) Polystichum acrostichoides **FACU** 1. 15 ¹Indicators of hydric soil and wetland hydrology must be 15 2. Lonicera japonica Yes **FACU** present, unless disturbed or problematic. 5 3. Rubus argutus No **FACU Definitions of Four Vegetation Strata:** 4. Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of 5. height. 6. 7. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft 8. (1 m) tall. 9. 10. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. 35 =Total Cover Woody Vine - All woody vines greater than 3.28 ft in 18 50% of total cover: 20% of total cover: Woody Vine Stratum (Plot size: 30ft X 30ft) Smilax rotundifolia 10 Yes FAC Parthenocissus quinquefolia 2. 5 **FACU** Yes 3. 4. Hydrophytic 15 =Total Cover Vegetation 50% of total cover: 20% of total cover: Present? Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point: DP2_Up

Profile Desc Depth	ription: (Describe to Matrix	o the dept		ument tl x Featur		tor or co	onfirm the abse	ence of indic	cators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	arks	
0-20	10YR 4/4	100	,		71		Loamy/Claye				
0-20	1011 4/4	100					LOailly/Claye	y			
			_							_	
1- 0.0							2,				
	ncentration, D=Deple	etion, RM=	Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	-Loc		ore Lining, Ma		
Hydric Soil I			Dobavoluo Pa	olow Cur	face (50)	(MI DA	147 140)			ic Hydric Soils ³ :	
Histosol			Polyvalue Be Thin Dark St						uck (A10) (ML rairie Redox (-	
Black His	ipedon (A2)		Loamy Muck						A 147, 148)	410)	
	n Sulfide (A4)		Loamy Gley	•	. , .	ILIXA 130	''		nt Floodplain S	Soils (F19)	
	Layers (A5)		Depleted Ma						A 136, 147)	5013 (1-15)	
	ck (A10) (LRR N)		Redox Dark	, ,					ent Material (I	F21)	
	Below Dark Surface	(A11)	Depleted Da		. ,				de MLRA 127		
	rk Surface (A12)	,	Redox Depre		. ,		Very Shallow Dark Surface (F22)				
Sandy M	ucky Mineral (S1)		Iron-Mangar	ese Mas	sses (F12	2) (LRR N	I,	Other (E	xplain in Rem	arks)	
Sandy G	eyed Matrix (S4)		MLRA 136	6)							
Sandy R	edox (S5)		Umbric Surfa	ace (F13) (MLRA	122, 136	5)	³ Indicators o	of hydrophytic	vegetation and	
	Matrix (S6)		Piedmont Fle	oodplain	Soils (F	19) (MLR	RA 148) wetland hydrology must be present,				
Dark Sur	face (S7)		Red Parent	Material	(F21) (M	LRA 127	, 147, 148)	unless o	disturbed or pr	oblematic.	
Restrictive L	ayer (if observed):										
Type:										x	
Depth (in	ches):						Hydric Soil I	Present?	Yes	No	
Remarks:											
	et is revised from Ea	ıstern Moui	ntains and Piedmo	ont Regio	onal Sup	olement \	ersion 2.0 to in	clude the NR	RCS Field India	cators of Hydric	
Soils, Version	1 8.0, 2016.										

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County of Chatham, NC

08/18/2022

WP-22-357

On-site Riparian Buffer Review

Status: Active

Date Created: Jun 3, 2022

Applicant

Josh Harvey iharvey@sandec.com 8412 Falls of Neuse Road Raleigh, NC 27615 910-760-9622

Primary Location

O VACANT North Carolina 00000

Owner:

SRE NC LANDCO LLC 980 N MICHIGAN AVE STE 1700 CHICAGO, IL 60611-7503

Project Information

Review Type

Major Subdivision

Before continuing please complete a phone or email conversation with Paula Phillips of the Planning Department. (919) 542-8276 paula.phillips@chathamcountync.gov

If your project will result in a review of greater than 10 acres please contact a private consulting firm to complete the surface water determination. For stream determinations the consultant must have successfully completed the NCDWQ/NC State University Surface Waters Classification. For wetland delineations the consultant must demonstrate at least 2 years of experience delineating jurisdictional wetlands in accordance with the Eastern Mountains and Piedmont Regional Supplement to the 1987 US Corps of Engineers Wetland Delineation Manual. Please visit the Watershed Protection Department website for a list of consultants that regularly complete work within Chatham County.

If your project is a Major Subdivision please contact a private consulting firm to complete the surface water determination. For stream determinations the consultant must have successfully completed the NCDWQ/NC State University Surface Waters Classification. For wetland delineations the consultant must demonstrate at least 2 years of experience delineating jurisdictional wetlands in accordance with the Eastern Mountains and Piedmont Regional Supplement to the 1987 US Corps of Engineers Wetland Delineation Manual. Please visit the Watershed Protection Department website for a list of consultants that regularly complete work within Chatham County.

Number of Features Found

69

Feature is defined as any surface water that is subject to Chatham County Riparian Buffers (streams, wetlands, ponds). Include each stream type transition, with corresponding forms, and individual wetland in your total. Total is total features found before USACE or County site visit.

Date Field Work Was Completed

09/02/2021

Has USACE on-site review been scheduled or completed

A Minor Subdivision is the creation of 5 or less new lots. If the original tract is over 10 acres and the subdivision results in the total of that tract becoming 8/18/22, 12:10 PM OpenGov

less than 10 acres then two lots have been created by default.

Parcel Information

Parcel Number (s)

10893

Watershed District Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

SRE NC Landco, LLC

Location of Tract (address if applicable)

5534 NC 87 N

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

83997

Watershed District

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

CHAPEL RIDGE COMMUNITY ASSOCING

Location of Tract (address if applicable)

1010 CHAPEL RIDGE RD

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

61935

Watershed District

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

SRE NC Landco, LLC

Location of Tract (address if applicable)

5430 NC 87 N

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

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Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

5983

Watershed District

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

PARKS AT MEADOWVIEW LLC

Location of Tract (address if applicable)

THE PARKS DR

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout,

Subdivision Name (if applicable)

N/A

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

85239

Watershed District

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

PARKS AT MEADOWVIEW LLC

Location of Tract (address if applicable)

THE PARKS DR

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

85043

Watershed District

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

PARKS AT MEADOWVIEW LLC

Location of Tract (address if applicable)

THE PARKS DR

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

Watershed District

5909 Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

LASSITER MARTHA ELIZABETH & MARY JEANETTE

Location of Tract (address if applicable)

OLD GRAHAM RD

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

5912

Watershed District

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

SRE NC Landco, LLC

Location of Tract (address if applicable)

OFF OLD GRAHAM RD

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way, Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

89724

Watershed District

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

Parks at Meadowview, LLC

Location of Tract (address if applicable)

asd

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

89725

Watershed District

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

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Property Owner Name

Parks at Meadowview, LLC

Location of Tract (address if applicable)

Parks Drive

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

Watershed District

89728

Dry Creek Haw River

Is the property within the Jordan Lake Watershed

No

Property Owner Name

Parks at Meadowview, LLC

Location of Tract (address if applicable)

Parks Drive

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or Information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Parcel Number (s)

Watershed District Dry Creek Haw River

89727

Is the property within the Jordan Lake Watershed

No

Property Owner Name

Parks at Meadowview, LLC

Location of Tract (address if applicable)

Off Parks Drive

Driving Directions from Pittsboro

Head North on NC-87. Turn Right on The Parks Way. Park at the first Roundabout.

Subdivision Name (if applicable)

Please describe access issues (provide gate codes, or information for scheduling site visit)

Stub road/gravel path/shoulder of road (several areas to park) (650 acre tract)

Applicants Information

Are you the Landowner or an Agent

Full Name

Agent

Joshua Harvey

Primary Phone Number

Primary Email

919-760-9622

jharvey@sandec.com

Mailing Address

City/State

8412 Falls of Neuse Road, Suite 104

NC

Zip Code 27615

How would you like to receive the completed review letter?

I would like to pick up the completed Riparian Buffer Review at the County Office

I would like the completed Riparian Buffer Review mailed to me

I would like the completed Riparian Buffer Review e-mailed to me.

3

Statement of Understanding

I have read and understand the regulations of the Watershed Protection Ordinance, Section 304, and I agree to adhere to these associated policies and guidelines.

Name

Joshua Harvey

New Field

06/03/2022

Attachments

pdf 202204281624028732022.pdf

Uploaded by Josh Harvey on Jun 3, 2022 at 1:17 pm

pdf 202204281624028732222.pdf

Uploaded by Josh Harvey on Jun 3, 2022 at 1:25 pm

pdf SEC_Parks at Meadowview - Chatham County Report 2021 SB.pdf

Uploaded by Josh Harvey on Jun 3, 2022 at 12:46 pm

pdf SEC Parks at Meadowview Wetland Map 2022 JH.pdf

Uploaded by Josh Harvey on Jun 3, 2022 at 12:47 pm

pdf SEC Parks at Meadowview Stream Forms 2022.pdf

Uploaded by Josh Harvey on Jun 3, 2022 at 1:12 pm

pdf SS new.pdf

Uploaded by Josh Harvey on Jun 3, 2022 at 1:14 pm

pdf USGS.pdf

Uploaded by Josh Harvey on Jun 3, 2022 at 1:13 pm

History

Jun 3, 2022 at 1:34 am Josh Harvey started a draft of Record WP-22-357 Jun 3, 2022 at 1:25 pm Josh Harvey submitted Record WP-22-357 Jun 3, 2022 at 1:25 pm approval step Intake Approval was assigned to Drew Blake on Record WP-22-357 Jun 14, 2022 at 12:05 pm Drew Blake approved approval step Intake Approval on Record WP-22-357 Jun 15, 2022 at 4:21 pm Drew Blake added a guest: jward@truehomesusa.com to Record WP-22-357 Jun 15, 2022 at 4:26 pm Drew Blake added a guest: sball@sandec.com to Record WP-22-357 Jun 16, 2022 at 2:15 pm completed payment step Major Subdivision Riparian Buffer Review Fee on Record WP-22-357 Jun 16, 2022 at 2:15 pm changed the deadline to Jun 30, 2022 on approval step Field Review on Record WP-22-357	Date	Activity		
Jun 3, 2022 at 1:25 pm approval step Intake Approvalwas assigned to Drew Blake on Record WP-22-357 Jun 14, 2022 at 12:05 pm Drew Blake approved approval step Intake Approval on Record WP-22-357 Jun 15, 2022 at 4:21 pm Drew Blake added a guest: jward@truehomesusa.com to Record WP-22-357 Jun 15, 2022 at 4:26 pm Drew Blake added a guest: sball@sandec.com to Record WP-22-357 Jun 16, 2022 at 2:15 pm completed payment step Major Subdivision Riparian Buffer Review Fee on Record WP-22-357 Jun 16, 2022 at 2:15 pm changed the deadline to Jun 30, 2022 on approval step Field Review on Record WP-22-357	Jun 3, 2022 at 11:34 am	Josh Harvey started a draft of Record WP-22-357		
Jun 14, 2022 at 12:05 pm Drew Blake approved approval step Intake Approval on Record WP-22-357 Jun 15, 2022 at 4:21 pm Drew Blake added a guest: jward@truehomesusa.com to Record WP-22-357 Jun 15, 2022 at 4:26 pm Drew Blake added a guest: sball@sandec.com to Record WP-22-357 Jun 16, 2022 at 2:15 pm Completed payment step Major Subdivision Riparian Buffer Review Fee on Record WP-22-357 Jun 16, 2022 at 2:15 pm Changed the deadline to Jun 30, 2022 on approval step Field Review on Record WP-22-357	Jun 3, 2022 at 1:25 pm	Josh Harvey submitted Record WP-22-357		
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Jun 16, 2022 at 2:15 pm approval step Field Reviewwas assigned to Drew Blake on Record WP-22-35/	Jun 16, 2022 at 2:15 pm	approval step Field Reviewwas assigned to Drew Blake on Record WP-22-357		
Jun 16, 2022 at 2:15 pm changed the deadline to Jun 30, 2022 on approval step Field Review on Record WP-22-357				

Timeline

Label		Status	Activated	Completed	Assignee	Due Date
4	Intake Approval	Complete	Jun 3, 2022 at 1:25 pm	Jun 14, 2022 at 12:05 pm	Drew Blake	
	Major Subdivision Riparian Buffer Review Fee	Paid	Jun 14, 2022 at 12:05 pm	Jun 16, 2022 at 2:15 pm	2	
1	Field Review	Active	Jun 16, 2022 at 2:15 pm	1	Drew Blake	06/29/2022

8/18/22, 12:10 PM OpenGov

Label Activated Completed Status **Due Date** Assignee Major Subdivision Riparian Buffer Confirmation Report Inactive





CHATHAM COUNTY

	AUTHOR	RIZED AGENT FOR FORM
	L DESCRIPTION:	10893, 83997, 61935, 5983, 85239, 85043, 5909, 10893, 83997, 61935, 89727, 89728 10893, 89724, 89725, 89725, 89728
	PARCEL ID (PIN)	
STREET ADDRES	S: _5430 NC-87, Pittsboro	o, NC 27312
Please print: Property Owner:	SRE NC Landco, LLC	
Property Owner:	Parks at Meadowview, I	LLC
rioperty officer.	LASSITER MARTHA F	ELIZABETH & MARY JEANETTE
The undersigned ov	mer(s) of the above described	f property, do hereby authorize
Joshua Harvey		Soil & Environmental Consultants, P.A.
(Contractor / Agent)		(Name of consulting firm if applicable)
Floodplain I Soil Erosion Permits to in Evaluation/i	npliance Permits Determination & Sedimentation Control Penstall, repair, evaluate, or expansection/permitting of a priv	and onsite wastewater system(s)
Property Owner's	Address (if different than pro	perty above):
Telephone:		E-mail:
We hereby certify the	above information submitte	d in this application is true and accurate to the best of our
showledge /	4	Joshua Harvey Date: 2022.06.03 13:24:50 -04'00'
Owner Authorized S	griature	Agent Authorized Signature
Date:/	22	Date:



P.O. Box 548 Pittsboro, NC 27312

Website: www.chathamac.org

Authorization to Enter Property Form

Date: 06/03/2022	
PARCEL No. (AKPAR)	10893, 83997, 61935, 5983, 85239, 85043, 5909, 5912, 89724, 89725, 89727, 89728
I, (print name)	, as owner of the property described above,
or as a representative of the	owner(s) do hereby convey permission to Chatham County staff to enter the property at
their convenience to conduc	t a surface water identification (SWID) necessary to determine whether or not water features
on my property are subject t	o the riparian buffer regulations described in Section 304 of the Chatham County Watershed
Protection Ordinance. The	SWID will be public record and on file at the Planning and Watershed Protection
Departments, and may be re	quested in the future for review by interested parties.
	lineations for the property listed above will be made by County staff only once and that if osed within this property boundary, it will require a surface water identification by a private
consultant at the property ov	entransación de la company de la company de la contractiva de la contractiva de la contractiva de la contracti
0 0	NK Landcopic (Signature of Owner)
JUSTILLA	vey el 2022.06.03 18:17:08
(Print Authorized Agent Nam	

Site Photos for the Parks at Meadowview Property Chatham County, NC



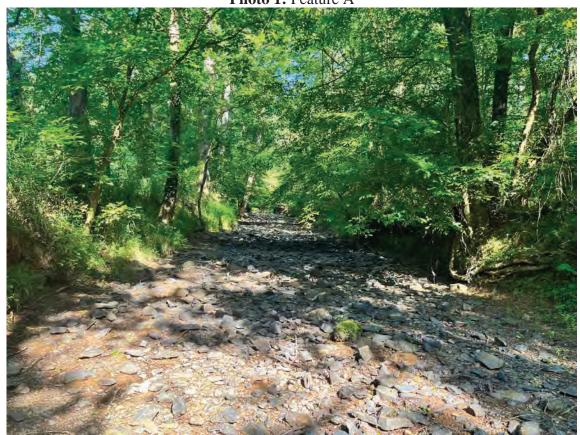


Photo 2: Feature B (Perennial)



Photo 3: Feature B (Intermittent)



Photo 4: Feature C



Photo 5: Feature D



Photo 6: Feature E





Photo 8: Feature G



Photo 9: Feature M



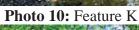




Photo 11: Feature Z



Photo 12: Feature E1



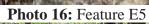
Photo 13: Feature E2





Photo 15: Feature E4







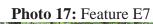






Photo 19: Feature E11



Photo 20: Feature E12

