

PUBLIC WORKS DEPARTMENT STORMWATER MANAGEMENT DIVISION

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

December 18, 2017

Mr. William H. Derks McAdams 2905 Meridian Parkway Durham, NC 27713 Derks@mcadamsco.com

RE: Stream Determination for Parcel ID #9890-80-7564, 9890-80-0195, 9890-80-0643, 9890-80-2764 (Eastowne Office Park – 100, 600, 700 Eastowne Drive, Chapel Hill, NC)

Dear Mr. Derks:

As requested, the Town Public Works Department has performed a stream determination for the properties identified above. 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 map. Stream segments regulated by the Town's Jordan Lake Watershed Riparian Buffer regulations are highlighted. Locations of all features on the map are <u>approximate</u> 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 Planning Department to determine the possible extent of the Resource Conservation District (RCD) and Jordan Lake Watershed Riparian Buffer on this property and the applicable corresponding regulations.

This stream determination will remain in effect for five years from the date of the 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 stream determinations, please contact me at (919) 969-7202 or <u>aweakley@townofchapelhill.org</u>. If you have questions regarding the Town's Resource Conservation District (RCD) or the Jordan Watershed Riparian Buffer regulations, please contact the Planning Department at (919) 968-2728, or view information online at: <u>http://www.townofchapelhill.org/town-hall/departments-services/public-works/stormwater-management/regulations-ordinances</u>.

Regards,

AllisonWeakley

Allison Schwarz Weakley Stormwater Analyst



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STREAM DETERMINATION SITE VISIT RESULTS

Property Information	
Parcel ID Number (PIN)	Address / Location Description
9890-80-7564	Eastowne Drive
9890-80-0195	100 Eastowne Drive
9890-80-0643	600 Eastowne Drive
9890-80-2764	700 Eastowne Drive

These are the results of a site visit to the properties listed above for a stream determination conducted on $\frac{12}{12} \frac{2017 \& 12}{14} \frac{2017}{2017}$ 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 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. 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 or Jordan Watershed Riparian Buffer:

FEMA floodzone is mapped in the area. Precise location of the Base Flood Elevation and associated Resource Conservation District must 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.

Possible Jurisdictional Wetlands have been identified in the area. A formal review by a professional certified in Jurisdictional Wetland Delineation is recommended.

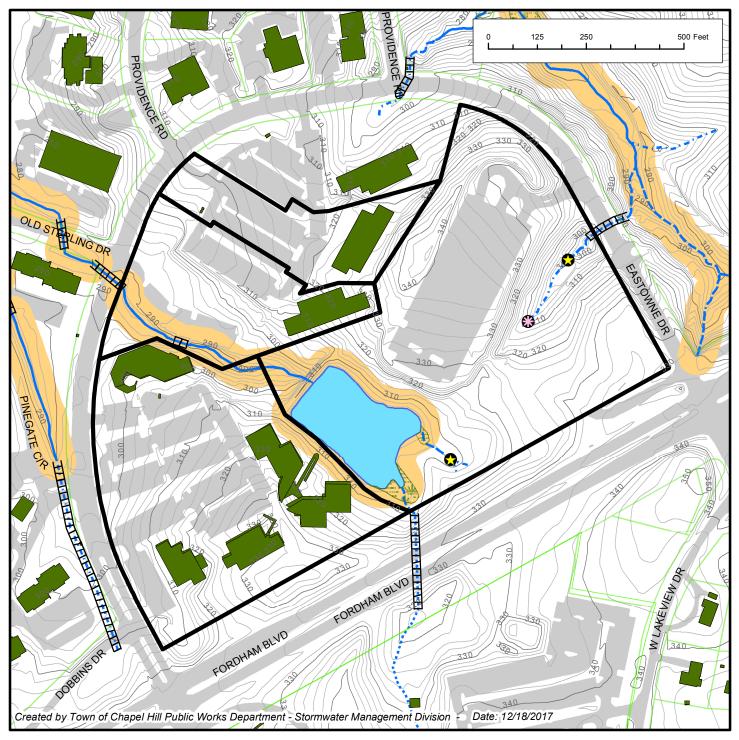
Allison Neabley

Town Staff Signature

12/18/2017 Date

Stream Determination Area Map





USGS 24K Topographic / County Soil Survey Maps

Site Parcel Boundary

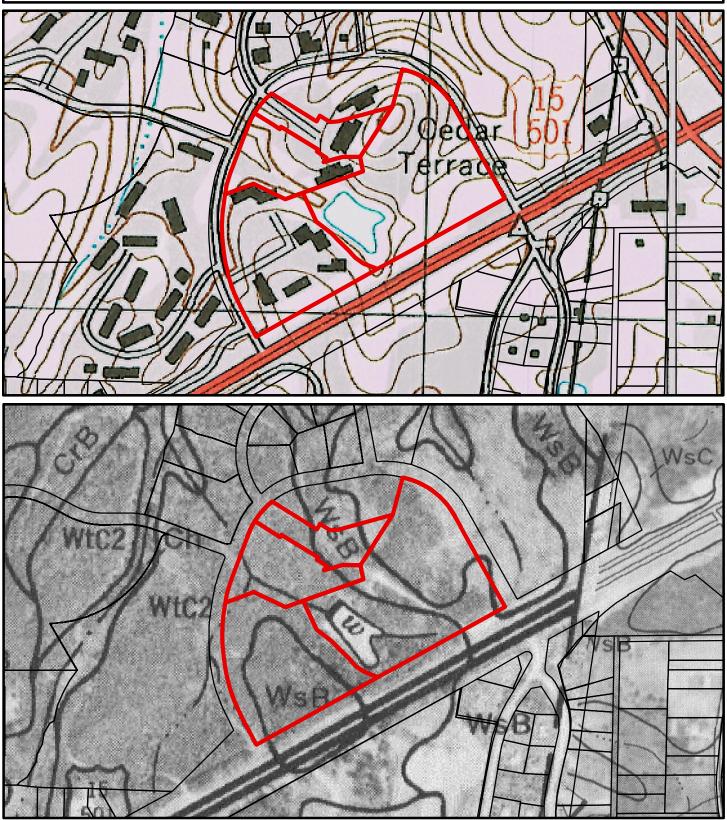
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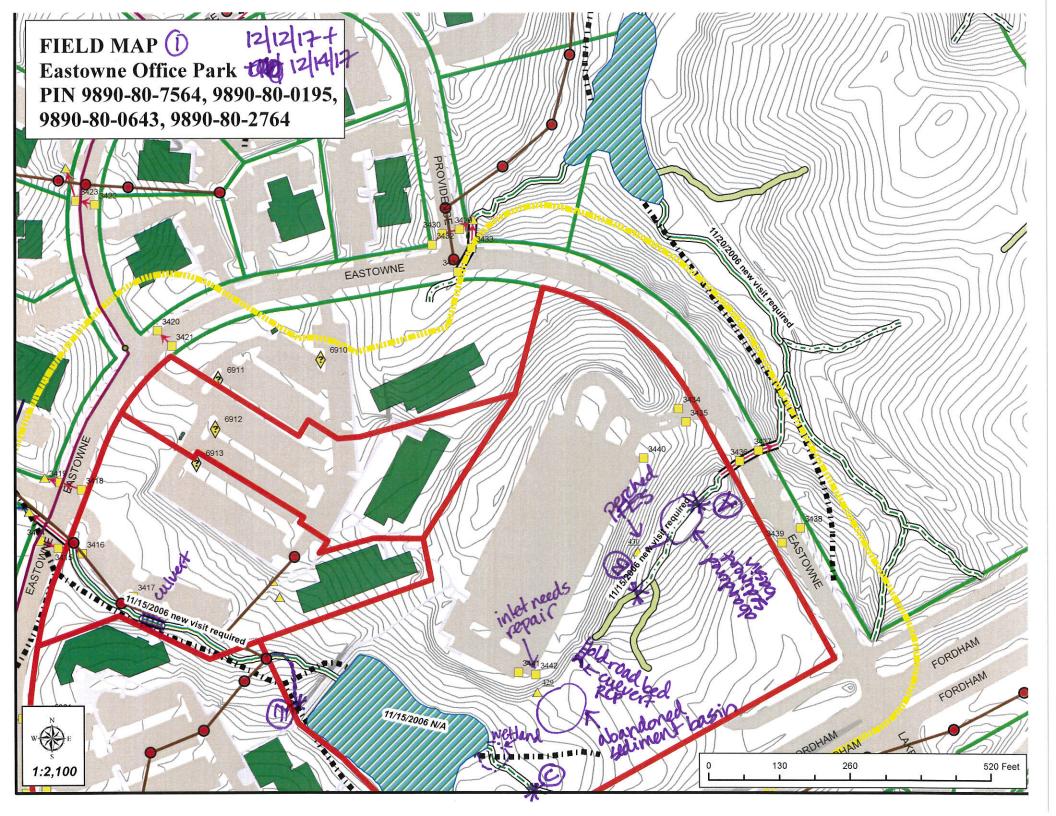
1 inch = 500 feet

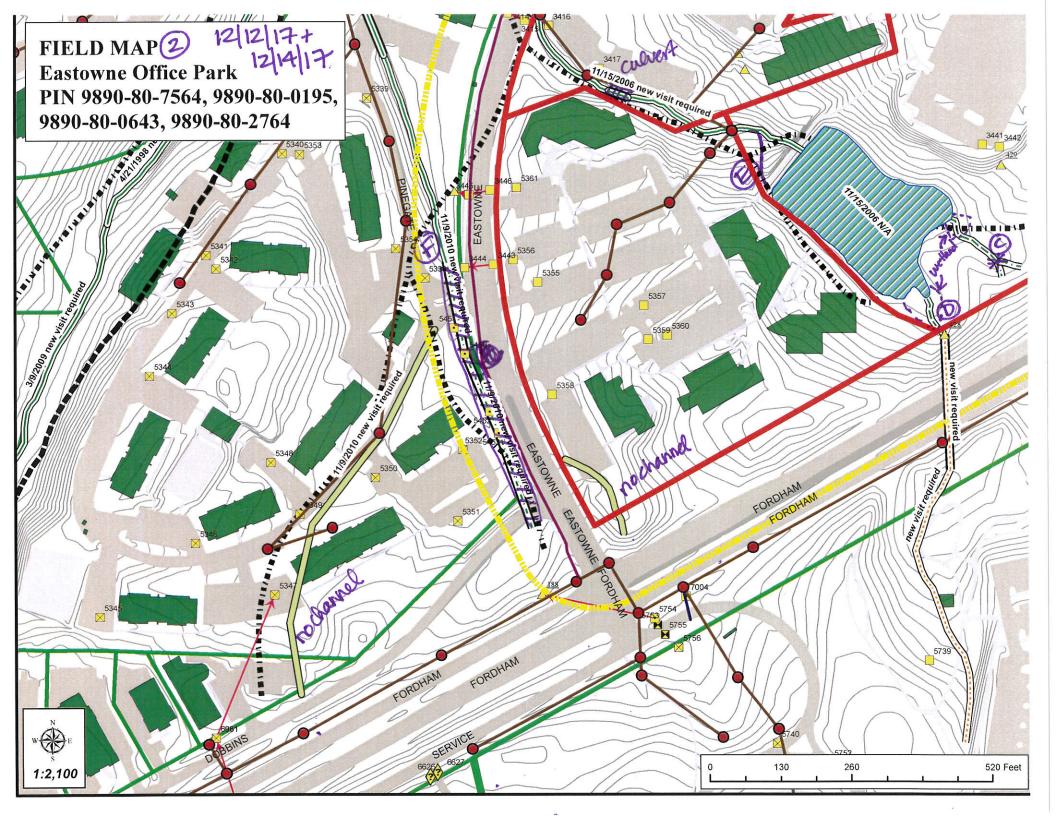
Address: 100, 600, 700 Eastowne Drive, Chapel Hill, NC Parcel ID: 9890-80-7564, 9890-80-0195, 9890-80-0643, 9890-80-2764



Created by Town of Chapel Hill Public Works Department - Stormwater Management Division- 12/18/2017







201712121150

Feature A

Date: 12 12 17	Project/Site:	office Val	Latitude: 35	
Evaluator: Weakley & Salat	County: Or	ange	Longitude:	79.004
Total Points: J Stream is at least intermittent 0.7		ination (circle one)	Other	
if \geq 19 or perennial if \geq 30*	Ephemera	ermittent Perennial	e.g. Quad Name:	
A. Geomorphology (Subtotal = 10.5)	Absort	Maala	Madausta	C1
A. Geomorphology (Subtotal = 10.5) 1 ^{a.} Continuity of channel bed and bank	Absent 0	Weak	Moderate	Strong
2. Sinuosity of channel along thalweg	0		<u>(2)</u> 2	3
3. In-channel structure: ex. riffle-pool, step-pool,				
ripple-pool sequence	0		2	3
4. Particle size of stream substrate Gift Gand	0		2	3
5. Active/relict floodplain	0	1)	2	3
6. Depositional bars or benches	0		2	3
7. Recent alluvial deposits	0	1	(2)	3
8. Headcuts	()	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
^a artificial ditches are not rated; see discussions in manual	-	And		
B. Hydrology (Subtotal = <u>6,5</u>)				
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	0 = 0	Yes =	
C. Biology (Subtotal =()		-	"Adoption of the	auger
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	\bigcirc	1	2	3
22. Fish	\bigcirc	0.5	1	1.5
23. Crayfish	Q	0.5	1	1.5
24. Amphibians	(O)	0.5	1	1.5
25. Algae	0	0.5	1	1.5
26. Wetland plants in streambed NONC			BL = 1.5 Other = 0)
*perennial streams may also be identified using other method	A	al.		
Notes: amphipods + lots of 19	Sopods			
	1			
sketch: Feature begins @ roc sediment basin & e Drive (east side), L	r dam h	alounda	andmod	
HELEIVIE VEGUISE IC	s num y	and how	n un en	al .
Sediment basin & P.	nds er	ullefi	nder EA	stowne
Drive (particula)	alence	adianal	1 nina a	long !!
prive (tasi side). L	ots ot s	earment	pelon e	repusite
· from upstream.			J	ſ
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Feature®

NC DWQ Stream Identification For	m Version 4.11	- chaulial	1.44		
Date: 12 12 17	Project/Site:	office Pall	Latitude: 3	5.95	
Evaluator: Weakley & Salat	County: Or	anae	Longitude: _ ·	79.004	
Total Points:Stream is at least intermittent $if \ge 19$ or perennial if $\ge 30^*$	Stream Determination (circle one) Other Ephemeral Intermittent Perennial e.g. Quad Na		Other e.g. Quad Name:	ame:	
A. Geomorphology (Subtotal =4)	Absent	Weak	Moderate	Strong	
1 ^{a.} Continuity of channel bed and bank	0	H(1)	2	3	
2. Sinuosity of channel along thalweg	0	P-FI)	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		1	2	3	
7. Recent alluvial deposits		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	
		0=0	Yes		
11. Second or greater order channel ^a artificial ditches are not rated; see discussions in manual		0=0	res	- 3	
B. Hydrology (Subtotal =)					
12. Presence of Baseflow	(0)	1	2	3	
13. Iron oxidizing bacteria	0	1	2	3	
14. Leaf litter	1.5	1	0.5	Ó	
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 =)					
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	\bigcirc	. 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	10)	0.5	1	1.5	
26. Wetland plants in streambed NONe		FACW = 0.75; O	BL = 1.5 Other = 1		
*perennial streams may also be identified using other meth	ods. See p. 35 of manu			>	
Notes:					
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Sketch:					
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channel

Old road led

201712121304

Feature (C)

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ł	Evaluator: Megillen à Calat	County: A	Office Park	Longitude:	20 MC
	valiment and	County. 010	inge	Longitude.	79.WS
	Total Points:Stream is at least intermittent if \geq 19 or perennial if \geq 30*24.5			Other e.g. Quad Name:	
	A. Geomorphology (Subtotal = 12)	Absent	Weak	Moderate	Strong
Γ	1 ^{a.} Continuity of channel bed and bank	0	1	6-2	3
Ì	2. Sinuosity of channel along thalweg	0	(1)-5	(2)	3
	3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	(1)	2	3
F	4. Particle size of stream substrate Site Sand	0	(1)	2	3
ł	5. Active/relict floodplain	0		2	3
ł	6. Depositional bars or benches	0	1)	2	3
ŀ	7. Recent alluvial deposits	0	1	(2)	3
ŀ	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		o = 0)	Yes	
L	^a artificial ditches are not rated; see discussions in manual			100	<u> </u>
	B. Hydrology (Subtotal =)				
Г	12. Presence of Baseflow POOLS Classe of on	0	(1)	2	3
ł	O AND NO (DADAA)	INDER			
	13. Iron oxidizing bacteria	aut O	1	2	3
ŀ	14. Leaf litter	1.5	1	0.5	0
	15. Sediment on plants or debris	0	0.5	(1)	1.5
ł	16. Organic debris lines or piles	0	(0.5)	1	1.5
L	17. Soil-based evidence of high water table?	N	o = 0	(Yes = 3)	
C	C. Biology (Subtotal = (o, S)				
X	18. Fibrous roots in streambed	3	(2)	1	0
they	19. Rooted upland plants in streambed	3	2	1	0
ition	20. Macrobenthos (note diversity and abundance)	0		2	3
el	21. Aquatic Mollusks	<u>(0</u>)	1	2	3
iel	22. Fish	0	0.5	1	1.5
	23. Crayfish	(0)	0.5	1	1.5
	24. Amphibians	O	0.5	1	1.5
ļ	25. Algae	0	(0.5)	1	1.5
	26. Wetland plants in streambed Cycopus Ceffu	4NS	FACW = 0.75; OB	BL = 1.5 Other = 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	*perennial streams may also be identified using other methods.	. See p. 35 of manu	al.		from poo
	Notes: amphipods, lots of isopods				<u>1 v</u>
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Feature (D)

NC DWQ Stream Identification Form	Version 4.11	1/10/10	1.00		
Date: 2127	Project/Site:	Affice Park	Latitude: 35	5,949	
Evaluator: Neakley & Salat	County: Orange		Longitude:	19.005	
Total Points:Stream is at least intermittentif \geq 19 or perennial if \geq 30*	Stream Determination (circle one) Ephemeral Intermittent Perennial		Other e.g. Quad Name:		
A. Geomorphology (Subtotal = 9.5)	Absent	Weak	Moderate	Strong	
1 ^a . Continuity of channel bed and bank	0		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 graver Git	0	(1)	2	3	
5. Active/relict floodplain	0	$(1) \rightarrow$	2	3	
6. Depositional bars or benches	0	(1)	2	3	
7. Recent alluvial deposits	0	$(1) \rightarrow$	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	Ń	0=0)	Yes	= 3	
^a artificial ditches are not rated; see discussions in manual				Records and	
B. Hydrology (Subtotal =), (s)					
12. Presence of Baseflow Water Presence from all	0	1	2	3	
13. Iron oxidizing bacteria	(0)	1	2	3	
14. Leaf litter	1.5	(1)	0.5	0	
	0	0.5	(1)	1.5	
15. Sediment on plants or debris	0	0.5	$-\frac{1}{1}$	1.5	
16. Organic debris lines or piles 17. Soil-based evidence of high water table?	-	0.5 o = 0	Yes		
1 -		0-0	(103	0	
C. Biology (Subtotal =(, 5) 18. Fibrous roots in streambed	3	(2)	1	0	
	(3)	2	1	0	
 Rooted upland plants in streambed Macrobenthos (note diversity and abundance) 	0	(1)	2	3	
21. Aquatic Mollusks	0	1	2	3	
22. Fish		0.5	2	1.5	
		0.5	1	1.5	
23. Crayfish	>=(1		1		
24. Amphibians	(0)	0.5	1	1.5	
25. Algae	0			1.5	
26. Wetland plants in streambed rone in channel			BL = 1.5 Other = ()	
*perennial streams may also be identified using other methods.	See p. 35 of manu	ai.			
Notes: amphipod, boatman					
Sketch: Feature begins e outfe	algence	ls@pond	. Channe	el flows	
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Feature (E)

NC DWQ Stream Identification Form	Version 4.11	- I and	k w			
Date: 121417	Project/Site:	office Park	Latitude: 35	5.949		
Evaluator: Weakley & Salat	County: Or	ange	Longitude: -	79.006		
Total Points:Stream is at least intermittentif \geq 19 or perennial if \geq 30*		ination (circle one) ermittent Perennial	Other e.g. Quad Name:			
	51					
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,	0	(1)	2	3		
ripple-pool sequence						
4. Particle size of stream substrate of Gift	0	(1)	2	3		
5. Active/relict floodplain	0	1	2	3		
6. Depositional bars or benches	0	1	$2 \rightarrow$	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		
^a artificial ditches are not rated; see discussions in manual						
B. Hydrology (Subtotal =)				1		
12. Presence of Baseflow Water thrownout	0	1	2	3		
13. Iron oxidizing bacteria	(0)	1	2	3		
14. Leaf litter & downstru	eam 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	$\epsilon(1)$	1.5		
17. Soil-based evidence of high water table?	N	o = 0	Yes	= 3)		
C. Biology (Subtotal = 10^{-1})			Control of the second s	and the second sec		
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	\bigcirc	0.5	1	1.5		
25. Algae	\bigcirc	0.5	1	1.5		
26. Wetland plants in streambed MWAANMA		FACW = 0.75; OBI	_ = 1.5 Other =	0		
*perennial streams may also be identified using other methods	s. See p. 35 of manu			A. A		
Notes: pouch shail, aquatic worm, crayfish, lots of amphipods						
Sketch: Feature begins c headcut below dam & ends c culvert c Eastowne Dr. Water throughout, w/ active flow.						
active flan.			View			
W.						

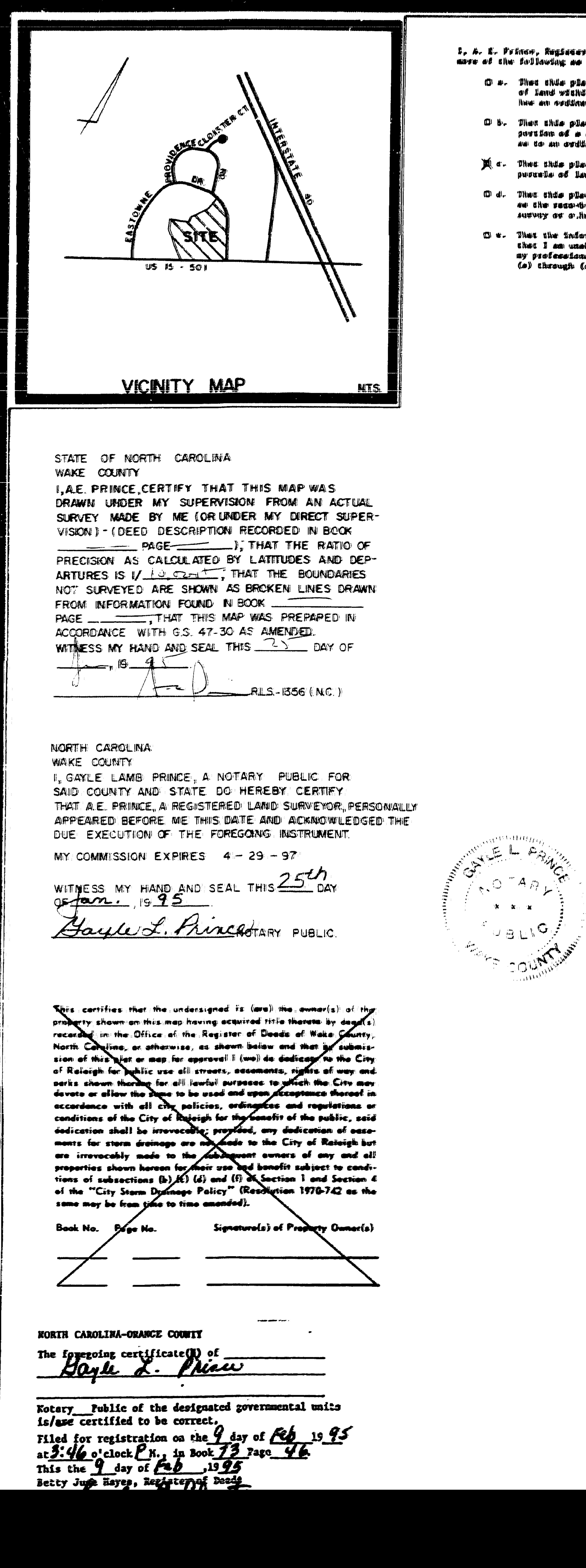
201712141313

Feature E

NC DWQ Stream Identification Form	Version 4.11	The Jan 100	100		
Date: 12 417	Project/Site:	Office Part	Latitude: 3	5.949	
Evaluator: Weakley & Salat	County: 0	ange	Longitude:	79.008	
Total Points:Stream is at least intermittentif ≥ 19 or perennial if $\geq 30^*$ 33.5	Stream Determination (circle one) Ephemeral Intermittent Perennial e.g. Quad Name:				
A. Geomorphology (Subtotal = 16)	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	(42)	3	
4. Particle size of stream substrate CODOL, COMPLE	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	$\left(0 \right)$	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		and the second second			
B. Hydrology (Subtotal = <u>1,5</u>)					
12. Presence of Baseflow Actively flawing	2 0		2	3	
13. Iron oxidizing bacteria in VTHLESCOUH	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. Biology (Subtotal = <u>6</u>)	\sim				
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	\bigcirc	1	2	3	
22. Fish	(0)	0.5	1	1.5	
23. Crayfish	\odot	0.5	1	1.5	
24. Amphibians	\bigcirc	0.5	1	1.5	
25. Algae	0	0.5	(1)	1.5	
26. Wetland plants in streambed MONE		FACW = 0.75; OB	L = 1.5 Other = 0	D)	
*perennial streams may also be identified using other methods	. See p. 35 of manu	al.			
Notes: aquatic beetles (boatmen	1, rat-t	ailed magg	ot		
Sketch: Feature begins c cult Apts. Active flow disch	vert out	fall, entra	anceto: lvert.o	Pincopat	

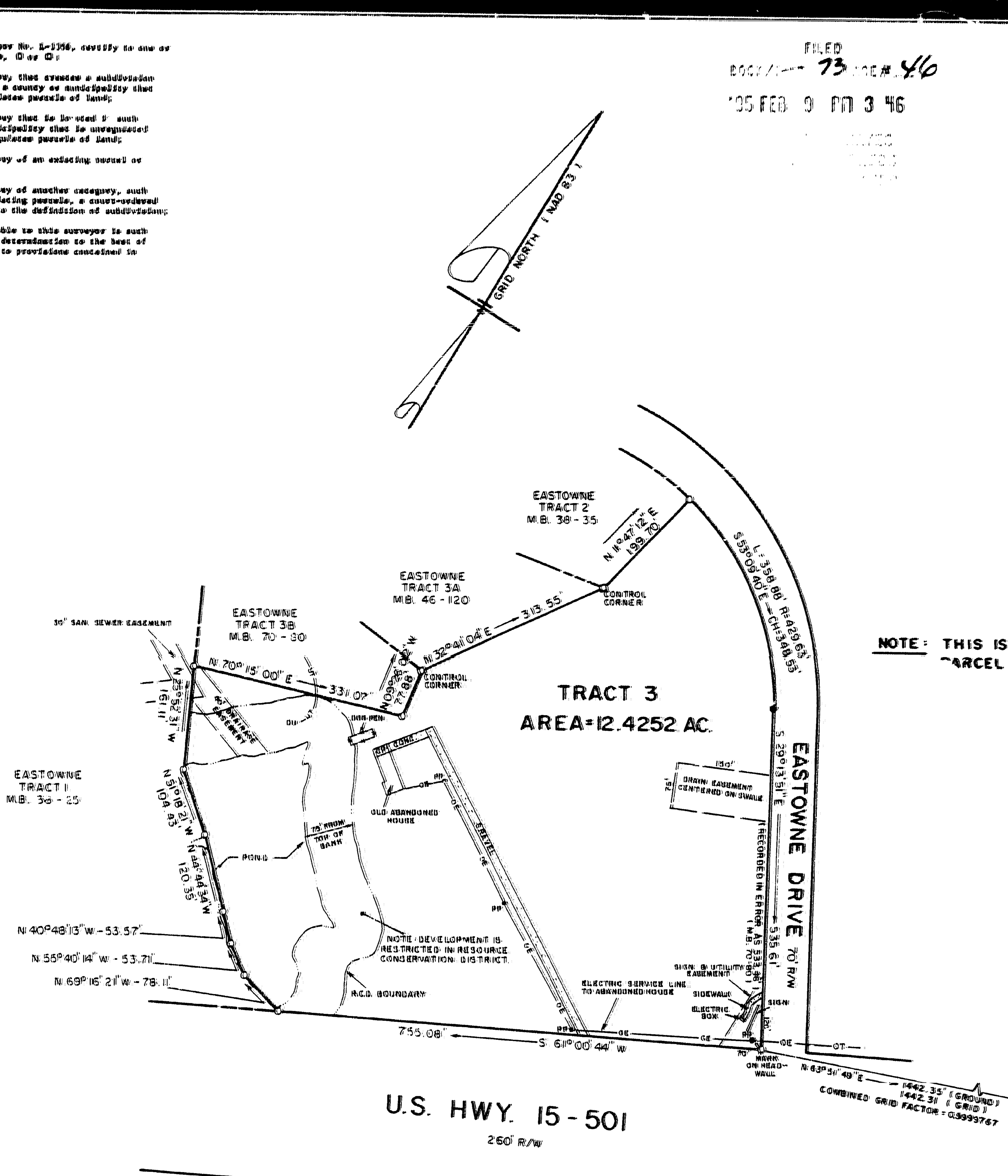
site visit. Lots of gravel deposition & sand/sitt.

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- e, e. e. Prince, Residered Land Surveyor No. L-1356, develop to doe or marine and allow field low spectrum and showing (D) and (D)
 - ion which and a many the case of the analysis and the analysis and the subdivision of of land when the shame of a country or antibulity when the have an ordistronance share required an production of have the
 - C be That this plat is of a survey they loved at such bung gow of a conney or we geridantich char ha magningangen and the set warmen an tradition that a manual tradition of the obtaining Man and and a second of a support of an experience of any and any order that the second of a pulsanille of land;
 - (D) d). "Their chide plant de of a energy of enother averegoey, and the veloce transits a , allerrang guilbetters be unbithend developed with the analish aa yaa aryaal aasaabayaan no qira qaqquqqqaa aq anqqqaaqqaabi (C) - "Their the southment internation availing the third and the support is such
 - that I an weather to make a determinantion to the basic of my professionel solling as to provisions annowing in (a) charaugh (d)) above:



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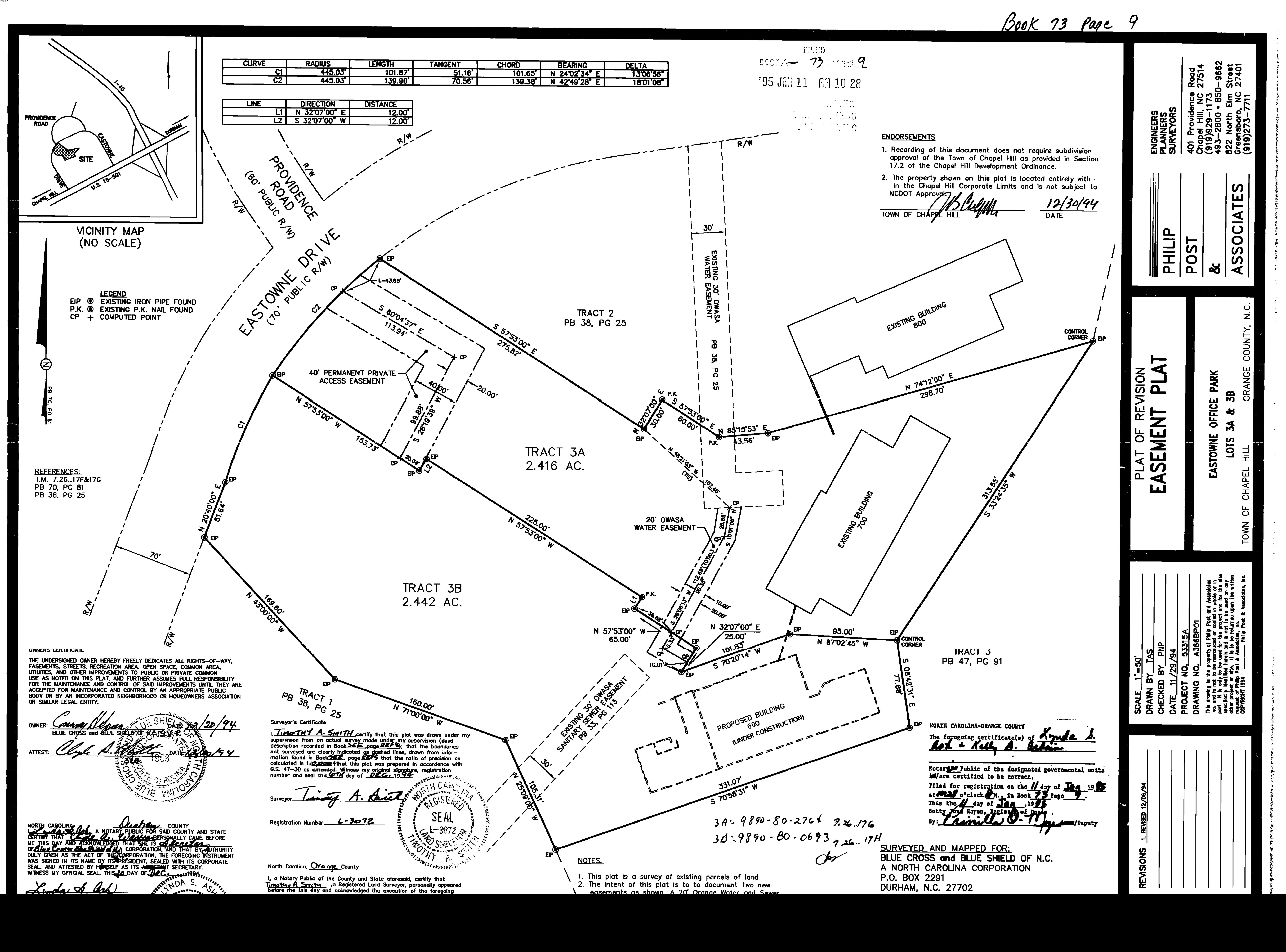
NOTES

- NO FEMA FLOODPLAIN EXISTS ON SITE. AREA BY COORDINATE COMPUTATION.
- LINES NOT SHOWN.
- OTHER THAN THOSE SHOWN ON THIS SURVEY.

LEGEND EXISTING IRON PHPE Ū, INEW IIRON PIPE L - 135 PP = POWER POLE -OE- OVERHIEAD ELECTRIC LINNE -OTT- = () VERHIEAD) TELEPHIONE LINE DESTINATION UNKINOWN REVISIO NOTE: THIS IS A SURVEY OF AN EXISTING TARCEL AS RECORDED IN P.B. 70-80 NUC GRIE MADAULINNENT "STRAW" 73333757 n = 801, 147.682 E = 2',000,422.997 9890-80-7564 7.26.17F Cha ONLY VISIBLE UTILITIES WERE LOCATED WITH THIS (Dio SURVEY. SITE MAY BE SUBJECT TO OTHER BURIED PROPERTY MAY BE SUBJECT TO EASEMENTS OF RECORD


Page 46

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PROVIDENCE ROAD STE U.S. 15-501 U.S. 15-501	CURVE C1 C2 C3 C3 C3 LINE [L1 N L2 N L3 S L4 S L5 S L6 N L7 N L8 S L9 S
NCINITY MAP (NO SCALE)	
Surveyor's Certificate <u>I</u>	my supervision (deed _); that the boundaries nes, drawn from infor— he ratio of precision as bared in accordance with
North Carolina, <u>Jrange</u> County I, a Notary Public of the County and State afor <u>Transfly</u> <u>A. Sov: M</u> , a Registered Land Survey before me this day and acknowledged the execu- instrument. Witness my hand and official star day of <u>Max</u> , 1994. Notary Public <u>Mattle X. More</u> My commission expires <u>(2-2.97</u>	yor, personally appeared utine foregoing
OWNERS CERTIFICATE THE UNDERSIGNED OWNER HEREBY FREELY DEDIC EASEMENTS, STREETS, RECREATION AREA, OPEN UTILITIES, AND OTHER IMPROVEMENTS TO PUBLIC USE AS NOTED ON THIS PLAT, AND FURTHER AS FOR THE MAINTENANCE AND CONTROL OF SAID II ACCEPTED FOR MAINTENANCE AND CONTROL OF SAID II ACCEPTED FOR MAINTENANCE AND CONTROL BY BODY OR BY AN INCORPORATED NEIGHBORHOOD OR SIMILAR LEGAL ENTITY. DWNER:	SPACE, COMMON AREA, OR PRIVATE COMMON SUMES FULL RESPONSIBILITY MPROVEMENTS UNTIL THEY ARE AN APPROPRIATE PUBLIC OR HOMEOWNERS ASSOCIATION
SEC.	$\frac{R/W}{K} = \frac{1}{K} + $
NORTH CAROLINA I DONALA G. MASSIMA NOTARY PUBLIC FOR CERTIFY THAT CLANE A LOGOTION PE ME THIS DAY AND ACKNOWLEDGED THAT HE IS OF BILL COS AND BILLS OF A CORPORATION, AND THAT BY AUTHORITY DULY CORPORATION, THE FOREGOING INSTRUMENT WAS SO PRESIDENT, SEALED WITH ITS CORPORATE SEAL WITNESS MY OFFICIAL SEAL, THIS DAY OF DAY	GIVEN AS THE ACT OF THE SIGNED IN ITS NAME BY ITS S AND ATTESTED BY HIMSELF AS 1994.



NA G. M NOTARY

1120 1000 (5 10 73/10 / BOK	13 Rage	<i>ΪÔ</i>
95 JAH 11 AM 10 29	ENCINEERS FLANNERS SURVEYORS	POST 401 Providence Road & Chapel Hill, NC 27514 & (919)929–1173 & 493–2600 • 850–9662 BS2 North Elm Street Greensboro, NC 27401 (919)273–7711 (919)273–7711
is of existing parcels of land. At of this plat is to recombine existing & 3B as shown. Hown are net land areas. Is encumbered by a Special Use Permit In DB 1236, PG 498 at Orange County of Deeds. Hent is restricted in the Resource ation District. REFERENCES: . T.M. 7.2617B&17H 2. DB 718, PG 403 3. PB 38, PG 25 4. PB 70, PG 80 5. PB 70, PG 81 5. PB 71, PG 59	EASTOWNE OFFICE PARK	TOWN OF CHAPEL HILL ORANGE COUNTY, N.C.
a document does not require subdivision Town of Chapel Hill as provided in Section pel Hill Developement Ordinance. Town on this plat is located entirely within Gorporate Limits and is not subject to	SCALE "=100' SCALE "=100' DRAWN BY TAS CHECKED BY EGD DATE 9/27/94 DATE 9/27/94	DRAWNG NO. A407BPO2 This drawing is the property of Philip Post and Associates inc. and is not to be reproduced or copied in whole or in part. It is anly to be used for the project and for the site specifically identified herein and is not to be used on any other project σ site. It is to be returned upon the written request of Philb Post & Associates, inc. COPYRIGHT 1994 — Philip Post & Associates, inc.
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PUBLIC WORKS DEPARTMENT STORMWATER MANAGEMENT DIVISION

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 (<u>aweakley@townofchapelhill.org</u>), 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:	HILLIAM	H. DERKS		
Mailing Address:	2905 MER	IDIAN PK	WY	
City, State, ZIP:	DURHAM,	NC 27713	5	
Phone / FAX / Email:				ADAMS CO. COM
Check method(s) for report to be sent:		Email	🗌 FAX	Call for pickup
the property(ies) indica	wner or designate ted below for purp nature)	ed legal agent gr boses of a Strea	anting permiss n Determinatio —	ion to Town Staff to enter n: 11/23/17
	SIMON GE	DRUE		(Date)
Company Name (if applic	cable): HEAUT	(Please pr	int) PROPERT	IES LLC
Property Information				
Fill in both columns, <u>or</u> fill i	n Parcel ID Number (Pl	N) and attach a site	map indicating loc	ation.
Parcel ID Numbe	er (PIN)	Ad	dress / Location	Description
98908001	95	100	EASTOWNE	DRIVE
989080064	3	600	10	ч
98908027	64	100	4	64
98908075	64		15	()

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.



PUBLIC WORKS DEPARTMENT STORMWATER MANAGEMENT DIVISION 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) _	9890800195	9890800643,	9890802764,	9890807564
STREET ADDRES	s: 100, 600, 70	DO 1_ EASTON	NE DRIVE	

Please print: HEALTH SYSTEM PROPERTIES LLC

Property Owner:

The undersigned, owner(s) of the above described property, do hereby authorize

WILLIAM H. DERKS	, of	McAdams	
(Contractor/Acont)		(Nome of consulting firm if angliaghte)	

(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):

Owner Telephone: 984 - 974 - 5388

Email: SIMON. GEORGE & UNCHEAUTH. UNC. EDU

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

Owner Authorized Signature

Owner Authorized Signature

Contractor/Agent Authorized Signature

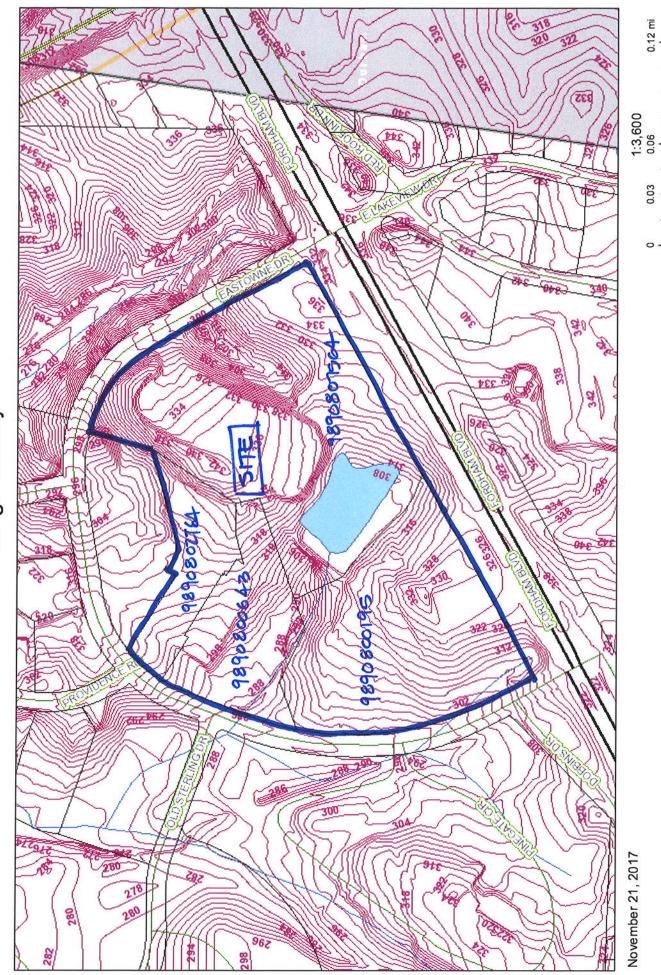
28

Date

Date 11/2. 71

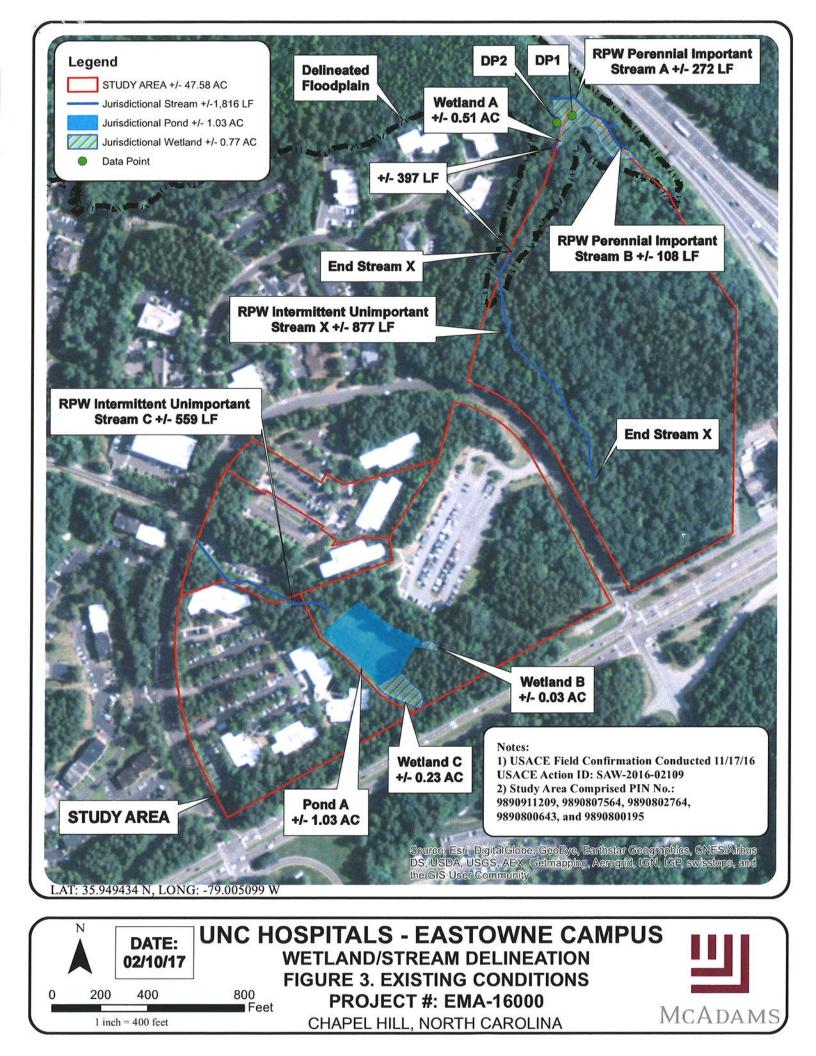
Date

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.



Orange County

1.1



U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT

Action Id. SAW-2016-02109 County: Orange U.S.G.S. Quad: Chapel Hill

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner: Address:	<u>Health System Properties, LLC</u> <u>Mr. W.L. Roper</u> 3 rd Floor Med Wing 3, Campus Box 7600 <u>Chapel Hill, North Carolina 27514</u>			
Authorized Agent: Address:	<u>The John R. McAdams Company, Inc.</u> <u>Mr. George Buchholtz</u> <u>2905 Meridian Parkway</u> Durham, North Carolina 27713			
Size (acres) Nearest Waterway USGS HUC	<u>48</u> <u>New Hope Creek</u> <u>03030002</u>	Nearest Town River Basin Coordinates	Chapel Hill Cape Fear Latitude: <u>35.94943</u> Longitude: -79.0051	

Location description: <u>The UNC Hospitals – Eastowne Campus project area is identified as an approximate 48 acre</u> tract of land, located on Orange County, North Carolina Parcels 9890911209, 9890807564, 9890802764, 9890800643, and 9890800195. These parcels are located near the intersection of Eastowne Drive and Durham Chapel Hill Blvd, Chapel Hill, Orange County, North Carolina. Waters on-site drain into New Hope Creek of the

Indicate Which of the Following Apply:

A. Preliminary Determination

- ▲ There are waters, including wetlands, on the above described project area, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters, including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.
- There are wetlands on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). However, since the waters, including wetlands, have not been properly delineated, this preliminary jurisdiction determination may not be used in the permit evaluation process. Without a verified wetland delineation, this preliminary determination is merely an effective presumption of CWA/RHA jurisdiction over all of the waters, including wetlands, at the project area, which is not sufficiently accurate and reliable to support an enforceable permit decision. We recommend that you have the waters of the U.S. on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.

B. Approved Determination

There are Navigable Waters of the United States within the above described property subject to the permit requirements of Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403) and Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

_ There are waters of the U.S., including wetlands, on the above described project area subject to the permit requirements of Section 404 of the Clean Water Act (CWA) (33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

_ We recommend you have the waters of the U.S. on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.

_ The waters of the U.S., including wetlands, on your project area have been delineated and the delineation has been verified by the Corps. If you wish to have the delineation surveyed, the Corps can review and verify the survey upon completion. Once verified, this survey will provide an accurate depiction of all areas subject to CWA and/or RHA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.

_____ The waters of the U.S., including wetlands, have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on ______. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- _ There are no waters of the U.S., to include wetlands, present on the above described project area which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Morehead City, NC, at (252) 808-2808 to determine their requirements.

Placement of dredged or fill material within waters of the US, including wetlands, without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). Placement of dredged or fill material, construction or placement of structures, or work within navigable waters of the United States without a Department of the Army permit may constitute a violation of Sections 9 and/or 10 of the Rivers and Harbors Act (33 USC § 401 and/or 403). If you have any questions regarding this determination and/or the Corps regulatory program, please contact <u>Ms. Samantha</u> **Dailey at (919) 554-4884, ext. 22 or Samantha.J.Dailey@usace.army.mil.**

C. Basis For Determination: Refer to the enclosed Preliminary Jurisdictional Determination Form and Figure 3. Existing Conditions.

D. Remarks:

E. Attention USDA Program Participants

This delineation/determination has been conducted to identify the limits of Corps' Clean Water Act jurisdiction for the particular site identified in this request. The delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

F. Appeals Information (This information applies only to approved jurisdictional determinations as indicated in **B.** above)

This correspondence constitutes an approved jurisdictional determination for the above described site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and request for appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

US Army Corps of Engineers South Atlantic Division Attn: Jason Steele, Review Officer 60 Forsyth Street SW, Room 10M15 Atlanta, Georgia 30303-8801

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by ______. **It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this

correspondence.**	DAILEY.SAMANTH	HA	Digitally signed by DAILEY.SAMANTHA.J.1387567948
Corps Regulatory Official:	.J.1387567948	J	DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=DAILEY.SAMANTHA.J.1387567948 Date: 2017.05.19 11:35:35 -04'00'

Date: May 19, 2017 Expiration Date: N/A

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete our Customer Satisfaction Survey, located online at http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0.

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

109 Date: May 19, 2017			
See Section below			
А			
В			
С			
D			
Е			

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <u>http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits.aspx</u> or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections, or (c) not modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the district engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

TOTAL OF CONTRELLOR QUESTIONS ON INFORMATION.			
If you have questions regarding this decision and/or the	If you only have questions regarding the appeal process you may		
appeal process you may contact:	also contact:		
District Engineer, Wilmington Regulatory Division	Mr. Jason Steele, Administrative Appeal Review Officer		
Raleigh Regulatory Field Office	CESAD-PDO		
Attn: Samantha Dailey	U.S. Army Corps of Engineers, South Atlantic Division		
3331 Heritage Trade Drive, Suite 105 60 Forsyth Street, Room 10M15			
Wake Forest, North Carolina 27587	Atlanta, Georgia 30303-8801		
	Phone: (404) 562-5137		
RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government			

consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

	Date:	Telephone number:
Signature of appellant or agent.		

For appeals on Initial Proffered Permits send this form to:

District Engineer, Wilmington Regulatory Division, Attn: Samantha Dailey, 69 Darlington Avenue, Wilmington, North Carolina 28403

For Permit denials, Proffered Permits and Approved Jurisdictional Determinations send this form to:

Division Engineer, Commander, U.S. Army Engineer Division, South Atlantic, Attn: Mr. Jason Steele, Administrative Appeal Officer, CESAD-PDO, 60 Forsyth Street, Room 10M15, Atlanta, Georgia 30303-8801 Phone: (404) 562-5137

APPENDIX 2

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD): May 19, 2017

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:

Property Owner:	Health System Properties, LLC
Address:	Mr. W.L. Roper 3 rd Floor Med Wing 3, Campus Box 7600
	Chapel Hill, North Carolina 27514
Authorized Agent:	The John R. McAdams Company, Inc.
	Mr. George Buchholtz
Address:	2905 Meridian Parkway
	Durham, North Carolina 27713

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: Wilmington, UNC Hospitals – Eastowne Campus, Health System Properties, LLC, Orange County, SAW-2016-02109

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

(USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES) State: NC County/parish/borough: Orange City: Chapel Hill Center coordinates of site (lat/long in degree decimal format): Lat. 35.94943°N, Long. 79.0051° W. Universal Transverse Mercator: Name of nearest water body: New Hope Creek

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLIES):

- Office (Desk) Determination. Date: May 19, 2017
- Field Determination. Date(s): November 17, 2016

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION

Site Number	Latitude (°N)	Latitude (°W)	of Aq Resou	l Amount juatic rces in v Area	Type of aquatic resource (i.e. wetland vs.	Geographic authority to which the aquatic resource "may be" subject (i.e. Section 404
			Linear Feet	Acres	non-wetland)	or Section 10/404)
Wetland A	35.959723	-79.002904		0.51	PFO Wetland	Section 404
Wetland B	35.949054	-79.005070		0.03	PFO Wetland	Section 404
Wetland C	35.948631	-79.005333		0.23	PFO Wetland	Section 404
Stream A	35.954034	-79.003305	272		Perennial Stream	Section 404
Stream B	35.953574	-79.002634	108		Intermittent Stream	Section 404
Stream C	35.949699	-79.006447	559		Intermittent Stream	Section 404
Stream X	35.95143	-79.00250	877		Intermittent Stream	Section 404
Pond A	35.949085	-79.005628		1.03	Open Water	Section 404

1. The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "may be" waters of the U.S. and/or that there "may be" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply): Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- Maps, plans, plots or plat submitted by or on behalf of the PJD requestor: The John R. McAdams Company, Inc., submitted a Jurisdictional Determination Request on October 7, 2016, with revisions received on February 10, 2017.
- Data sheets prepared/submitted by or on behalf of the PJD requestor.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:

 - USGS NHD data. USGS 8 and 12 digit HUC maps.
- \boxtimes U.S. Geological Survey map(s). Cite scale & quad name: 1:24K, NC-Chapel Hill
- \square USDA Natural Resources Conservation Service Soil Survey. Citation: Web Soil Survey: November 2016.

.

- \boxtimes National wetlands inventory map(s). Cite name: Corps of Engineers SimSuite – November 2016.
- State/Local wetland inventory map(s):
- **FEMA/FIRM** maps:
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- \square Photographs: \square Aerial (Name & Date):
 - or Other (Name & Date):
- Previous determination(s). File no. and date of response letter:
- Other information (please specify):

Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Aquatic Resource feature Stream X exhibits a surface hydrological surface connection to Wetland A and Stream A. Approximately 397 linear feet separate the features. A defined bed and bank and ordinary high water mark was not observed through the 397 linear feet.

DAILEY.SAMA Digitally signed by DAILEY.SAMANTHA.J.1387567948 NTHA.J.13875 67948

Digitally signed by DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=DAILEY.SAMANTHA.J.138756 7948

Date: 2017.05.19 11:26:26 -04'00'

Signature and date of Regulatory Project Manager (REQUIRED)

Signature and date of person requesting preliminary JD (REQUIRED, unless obtaining the signature is Impracticable)

Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

