

I. PROJECT INFORMATION

Project Name:

County of Durham

Engineering Department Stormwater and Erosion Control Division 120 E. Parrish Street, Law Bldg., 1st Floor Durham, North Carolina 27701 (919)560-0735 Fax: (919)560-0740

Design Professional's Signature, Seal, & Date	
44 - 1 (C11-1! - 4	

Phase:

Stormwater and Erosion Control Division Site Plan and Preliminary Plat Submittal Checklist

For each review submittal the entire study must be submitted. This includes re-submittals. Partial study packages will not be reviewed. Incomplete Stormwater Site Plan Submittals will be returned with NO REVIEW PERFORMED. Contact Stormwater and Erosion Control Division concerning redevelopment, expansion or projects which result in a decrease in impervious area for modified submittal requirements. This submittal checklist is to be submitted with each plan submittal.

Previous Project Name, if a	pplicable:	
PIN:	Tax Map Number	Planning Case Number:
Owner		Phone Number
Owner Address		
Project Comment Contact I	Person:	Phone number ()
Fax number: ()	Company Name:	
II. REQUIRED ITEMS C.	HECKLIST	
	lines submittal requirements. Initial in ments have been met and supporting do	
A. General Requirements		
Applicant's initials		
	ater Impact Analysis (SIA) including n	arrative report and drainage calculations
sealed a	nd signed by North Carolina Profession	nal Engineer.
b. Jordan	Lake (Cape Fear) / Falls Lake (Upper N	Neuse Basin) / Lower Neuse Basin (circle
one).		
(If Jord	an Lake is circled completion of Section	n D. below is required)
(If Falls required	Lake (Upper Neuse Basin) is circled coll)	ompletion of Section D. below is
(If Low	er Neuse Basin is circled completion of	f Section F. below is required)
c. INSIDE	Z / OUTSIDE (circle one) Water Supply	Watershed.
(If INSI	DE Water Supply Watershed completion	on of Section G. below is required)
d. Show A	ALL Riparian Stream Buffers on the	plan. Diffuse flow into stream
buffers	is required.(Complete Section C where	here required)
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		e.	with site b	oundary	shown is	required a)-year floo	of floodplain map odplain with base olan.
В.	Storm	water Ru	le Requiren	nents				•	
		a.	Durham Co	ounty Soil	s map wit	h site boun	dary shown		
		b.	USGS 7.5	Minute Qu	ıadrangle	with site b	oundary sho	own.	
		c.	Introductio	n narrativ	e describi	ng the site	conditions i	n pre- and	post-development
			conditions	including	a descript	ion of site	improveme	nt changes	
		d.	Drainage a	rea map ir	cluding:		_		
			_	Site are	a delineat	ed, scale aı	nd north arro	ow.	
				Sub-bas	sins deline	ated for pr	e- and post-	developme	ent conditions
				with are	ea in acres	indicated.			
			_	Analysi	s points c	learly iden	tified and la	beled.	
			_	Segmen	ited TR-5	5 time of c	oncentration	n flow path	s showing each
			se	gment.					
_		e.	Methodolo	gies and p	rocedures	described.			
		f.	Site plan or	r grading p	olan identi	fying pre-	and post-de	velopment	drainage patterns.
		g.	Pre- and po	ost-develo _j	pment tim	es of conce	entration cal	lculated us	ing the TR-55
			segmented	approach.					
		h.	Calculation	ns for the p	ore- and p	ost-develo _l	oment disch	arges for th	ne 1-, 2- and 10-year 24
			hour storm	using TR	-55, TR-2	0, HEC-HI	MS, HEC-1	or Rationa	l Method. The discharge
			point for th	ese calcul	ations is t	he property	boundary.		
		i.	Summary of	of Results	provided	in the follo	wing forma	t (see Exar	nple below).
_		T			ı				
	BASIN NAME	1-year	Post d Developed 1-year e discharge	2-year	2-year	10-year	10-year	Detention Required (Yes/No)	
		-	Conclusion BMP (s) pr	_		_	Manual) (ii	ndicate qua	antity):
			Not as	anirad				_	
		1	Not rec	-	ontrol 1	2 and 10 r	zoor diaahar	90	
_		I.	BMP benef			•	ear dischar	ge	
			Not req	lanea					
		m.	Report fro	m NCDW	Q Approv	ed Accour	nting Tool		

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C. Ripar	ian Stred	um Buffers
	a.	A copy of the Durham County Soils map and the USGS 7.5 Minute Quadrangle with
		the site indicated has been provided. Diffuse flow into buffers is required.
	b.	All Durham County stream buffers are shown on the plan for intermittent and perennia
		streams shown on the Durham County Soils map or the USGS 7.5 Minute Quad.
		Diffuse flow into buffers is required
	c.	NCDENR documentation for approval of buffer impacts provided.
	d.	Stream delineations (Cape Fear / Neuse Basin). If in Neuse Basin, provide NCDENR
		Division of Water Quality documentation. If in Cape Fear Basin, provide report as
		required by Section 14-153(b)(3) (i) of the County Stormwater Ordinance.
D. Jorda	ın Lake 1	Requirements
facility di	isturbs ≤	or a multi-residential development or a commercial, industrial, or institutional 0.5 acres then all items below are N/A. Pre- and post-development nitrogen / phosphorus calculations using NCDWQ approved
		accounting tool.
	b.	Offsite reduction calculations (if necessary). Site plan will not be approved until
		payment is verified in the form of a receipt.
	c.	Redevelopment calculation nutrient loading (if necessary).
E. Falls	Lake (U	pper Neuse) Requirements
disturbs	≤ 0.5 acr	family, detached and duplex residential development, or recreational facility e or a multi-residential development or a commercial, industrial, or institutional 12,000 square feet then all items below are N/A.
	d.	Pre- and post-development nitrogen / phosphorus calculations using NCDWQ approved
		accounting tool.
	e.	Offsite reduction calculations (if necessary). Site plan will not be approved until
		payment is verified in the form of a receipt.
	f.	Redevelopment calculation nutrient loading (if necessary).

F. Lower Neuse Basin Requirements

disturbs≤	single family, detached and duplex residential development, or recreational facility 1 acre or a multi-residential development or a commercial, industrial, or institutional sturbs ≤ 0.5 acres then all items below are N/A.
	g. Pre- and post-development nitrogen calculations using Durham County Nitrogen Calculation Tables.
	h. Nitrogen buy-down calculations (if necessary). Site plan will not be approved until payment is verified in the form of a receipt.
G. Water	Supply Watershed Requirements
	a. Indicate the water supply watershed overlay district(s) the project is located. (Circle all that apply) (F/J-A, F/J-B, E-A, E-B, M/LR-A, M/LR-B)
	b. Provided BMP for 85% TSS removal or <u>narrative</u> explaining why it is not provided
	c. BMP provided:
	OtherNot required
	d. BMP benefits:85% TSS RemovalOtherNot required