## DESIGN REVIEW APPLICATION FORM (Revised November 23, 2010) Greensboro City Planning Department Mailing Address: P.O. Box 3136, Greensboro, NC 27402-3136 Office Address: 300 West Washington Street, Greensboro, NC 27402 If you have any questions about the process please call Nicole Ward with the Planning Department at 336-412-5757 PLAN TYPE: **REVIEW FEE:** Site Plans \$400 plus \$20 per 1,000 sq. ft. gross floor area Multifamily Developments \$400 plus \$25 per dwelling unit Single Family Subdivisions \$260 plus \$40 per lot \$260 plus the per lot, square footage, or dwelling unit listed below applied Minor Revisions to any increase Applicable review fee as listed above plus \$375 for sites of less than one acre. Site Specific Development Plan \$900 for sites of one to 4.9 Acres, or \$1,500 for sites of five or more acres. Approval to obtain a Zoning Vested Riaht Submit 14 copies of plans to the Planning Department for review. Plan review takes 7-10 working days; the Planning Department staff will contact you when your plan is ready. PROJECT SUMMARY: A. Project Name: B. Type of Plan: Site Plan / Group Development Plan / \_\_\_\_ \_Preliminary Subdivision Site Specific Development Plan Approval to obtain a Zoning Vested Right C. Street Address and Property Description: D. Owner / Applicant:\_ E. Report Comments to: Telephone Number:\_\_\_ Fax Number:\_ E-Mail: Report Comments to:\_\_\_ Telephone Number: Fax Number: E-Mail: F. Tax Map / Block / Parcel # (s): G. Total Tract Acreage: H. Zoning District: I. Watershed Designation: J. Proposed Use: K. Number of Lots: L. Multifamily Developments: # of Units Townhomes\_ Type:\_ Apartments Condominiums M. Non-Residential Developments: Existing GFA:\_\_\_\_\_ Proposed GFA: N. Amount of Existing BUA: O. Amount of Proposed BUA: **PLAN SUBMISSION GUIDELINES** Plans submitted to the Planning Department that do not include the items on this list will not be reviewed, and will be returned to the contact person. Indicates information that must be provided. Indicates information that must be provided, only if applicable. **PP** is Preliminary Subdivision Plats SIP is Site Plans and Group Development Plans **SWCP** is for Stormwater Control Construction Plans This list must be filled out and signed by the person designing the site to show that he/she has read and provided the required information to submit a plan to the Planning Department. I have read, understood and completed the attached plan to the best of my knowledge and ability. Name: \_\_\_\_\_\_ Phone: \_\_\_\_\_ Date: \_\_\_\_\_

PP	SIP	SWCP	
	+	-	TITLE BLOCK AND SITE DATA
•	•	•	Indicate if it's a site plan, preliminary subdivision or group development
•	•	•	Owner's name with address and daytime phone
•	•	•	Site location, including address, city
•	•	•	Dates map prepared or revised
			Scale of drawing in feet per inch. Drawing shall be at a scale not less than 1"
•	•	•	equal to 100'. If all lots are greater than 3 acres, a smaller scale may be
			used.
•	•	•	Bar scale
			Name, address and telephone number of preparer of map (licensed surveyor,
•	_	•	engineer, or architect)
			Developer's name, address, and daytime phone number, if different from
	•	•	owner's
			Zoning districts on the property and adjacent property; if property is zoned
			conditional use, list the conditions
•			Proposed land use within property and existing land use on adjacent
			properties
•	•		Plat book reference (or deed reference if no plat), tax map, block and parcel
			number(s)
•	•		Names of adjoining property owners (or subdivisions of record with plat book
_			reference)
•	•	•	Vicinity map showing location of site relative to surrounding area (typically
			drawn in upper right hand corner), at a scale of 1"=2000'
•	•		Square footage of all proposed lots under an acre in size and acreage for all
			lots over an acre in size
•	•		Acreage in total tract
•	•		Total number of lots proposed
•	•	•	North arrow and orientation (north arrow shall NOT be oriented towards
			bottom of map)
•	•		Label all existing and proposed structures
•	•		Setbacks for all structures must be clearly indicated
	•		PARKING
Φ	•		Dimensions and location of all parking areas
Φ	•		Calculation of minimum required number of parking spaces based on the
			parking requirements from Table 30-5-3-1; and total spaces provided  Dimensions and location of all driveways, loading areas, off-street loading
$\oplus$	•		· · ·
			facilities and pedestrian walkways  Location of wheel stops/curbs in front of parking stalls
•	•		·
Φ			Within parking areas clearly number each parking space, angle of parking and
Ψ			typical size (including handicapped spaces and van accessible spaces.)
			LANDSCAPING
	_		Location of required street planting yard, planting yards and parking lot
	•	•	plantings
	_	_	Width and type of planting yards, walls, berms and height of proposed or
	•	•	existing fences
	_		Minimum sizes (caliper and height) and number of trees and shrubs in the
	•		required planting areas
	_		Approximate height, species and method of tree protection where existing
	•	•	vegetation is to be preserved
	•		Location and screening of dumpster / compactors (show pad dimensions)
	•		Location and angle of exterior lighting when development is adjacent to
			residential development or where lighting might interfere with drivers' vision

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			SITE LIGHTING
			Lighting plan that includes:
0	•		fixture type
Ф	•		pole height
0	•		any fixture shielding
Φ.			A note indicating that the proposed development complies with the outdoor
Φ	•		lighting standards of the LDO.
			STREET DATA
•	•		Existing and proposed right-of-way lines within and adjacent to property
_			Existing and proposed streets showing pavement or curb lines, width (face-to-
•	•		face), existing and proposed street names, and cul-de-sac radii
•	•		Label centerline of road and distance from centerline to right-of-way line
•	•		Existing and proposed sidewalk widths
•	•		Widths of internal circulation roadways
			Driver and a discount to the city and the distance hat we at he city's drive and
$\oplus$	•		Driveways adjacent to the site and the distance between the site's drive and the existing drive. Also show drives on opposite side of street from site
•	•		Label all adjoining streets (Include State Route (S.R.) numbers, if applicable)
$\oplus$	•		Dimension drive aprons and flares, and/or dimension curb return radii.
			Depict profile of the proposed driveway (Commercial drive entrances only)
			from the center of the street well into the site.
•	•		Label street classification(s)
			PLANIMETERIC
•	•		City limits, and other jurisdiction lines, if any, on the tract
			Boundaries of the tract to be developed distinctly and accurately represented
			and showing all distances
			Boundaries of the tract to be developed tied to nearest street intersection
			(within 300') or U.S.G.S. (within 2000')
•			Existing property lines on tract to be subdivided. If existing property lines are
			to be changed, label as "old property lines" and show as dashed lines
			Dimensions, location and use of all existing and proposed buildings; distances
•	•		between buildings measured at the closest point; distance from buildings to
			closest property lines
$\bigcirc$	0		Railroad lines and right-of-ways
Φ	Φ		Areas designated as common elements or open space under control of an
<u> </u>	Ψ		Owners' Association
			Existing and proposed topography of tract and 200' beyond property showing
•			existing contour intervals of no greater than 5' (2' where available) and
•			labeling at least two contours per map and all contours at 10' intervals from
			sea level
•	0		Proposed lot lines and dimensions
•	•	•	Location, dimension and type of each easement
			WATER & SEWER
			Existing and proposed utility layout showing connection to existing system,
•			proposed line sizes and direction of flow for sanitary sewer lines. Also depict
			proposed public outfalls and service to adjacent properties.
			Existing and proposed utility layout showing connection to existing system and
•			proposed sizes for water distribution lines. Also depict extensions to serve
			adjacent properties.

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This information is not required at this time, but is recommended. It is to be included with the Utility Construction Plans.	•	•	Utility layout showing connections to existing systems, line sizes, material of lines, manholes, force mains, clean-outs, etc. for sanitary sewer lines, rim and invert elevations and direction of flow.			
	•	•	Utility layout showing connections to existing systems, meter size and location, backflow preventer location and type, material of lines, location of fire hydrants and fire department connection, blowoffs, valves, etc. for water distribution lines.			
This irequirectecomic includ	•	•	All plans requiring extension of public and/or private mains for water and/or sewer will be required to be sealed by a North Carolina registered P.E.			
	GENERAL WATERSHED INFORMATION					
•	•		Watershed location of proposed development: note the watershed (i.e., North Buffalo Creek, South Buffalo Creek, Horsepen Creek) and sub-watershed names (i.e., North Buffalo Creek Sub-Watershed 1, North Buffalo Creek Sub-Watershed 2), as applicable, for the proposed site development. Note watersupply watershed name (i.e., Greensboro Watershed), and water-supply watershed designation (i.e., WS-III, WS-IV, WCA), as applicable.			
0	0		Council-approved watershed master plan available? – "Yes" or "No"			
•	•	•	Existing built-upon area, if any, and note the amount			
•	•	•	Proposed built-upon area, and note the amount			
•	•	•	Note the maximum amount of built-upon area allowable (per watershed			
			development restrictions, stormwater control design, etc.)  Area(s) to be disturbed and note the amount			
•	•	•	Soil type(s) and the hydrologic group(s)			
			Existing and proposed stormwater conveyance system (pipes, channels,			
•	•	•	swales, catch basins, etc.) layout, Connection to existing systems, and			
			applicable easements			
	_		Label the amount of off-site drainage area and runoff quantities that discharge			
			onto site			
		•	Provide stormwater management study – downstream analysis of stormwater conveyance system per the requirements of Ordinance Section 27-22			
	•	•	Engineer's Statement of Stormwater Quantity Control			
	•	•	Engineer's Certification of Stormwater Quality Control (for high-density development in designated water-supply watershed area)			
	•	•	Label stormwater structure attributes: pipe size, channel / swale dimensions, materials, inverts and rim elevations, slopes and structure types (grate inlet, manhole, etc.). Elevations are to be based on NGVD '88 Datum.			
		•	If the site was previously approved or part of a subdivision that was previously approved by the City or County for stormwater management or watershed development, provide the name of the plan and the date that the plan was approved.			
	Stream Buffer and Related Information					
•	•	•	Location of all streams and drainageways that require buffers.			
•	•	•	Buffers and where measure from (that is, top of bank, top of steep slopes adjacent to stream, or edge of wetlands).			
			Label the dimensions and restrictions within the buffer (that is, to remain			
•	•	•	undisturbed, 50% impervious, vegetated, etc.)			
•	•	•	Location of jurisdictional waters and wetlands.(See Note 1)			
			Indicate proposed location of stream crossing(s) showing the proposed			
•	•	•	grading and overall stream impact (includes culvert and outlet protection			
	•	•	length). (Alternative analysis may be required by the City to reduce and /or			
			mitigate impacts).			
FEMA Regulated Floodway/Floodplain Information						
•	•	•	FEMA-regulated floodway and floodway fringe on property and note the 100-			
			year Base Flood Elevation (BFE), as applicable.			

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			If the site is located within a FEMA Special Flood Hazard Area (SFHA): (1)
			note the finished floor/floodproofing elevations of all structures, and (2) note
•			that no encroachment/development into FEMA-regulated floodway allowed
•	•		(See Note 2),. and (3) if a FEMA-designated floodway/floodway fringe does
			not exist on the property/parcel, note the nearest distance to a FEMA-
			designated floodway, if within 2000 feet.
<u> </u>		Low Density	General Watershed Development Information
•	•		Provide completed watershed scoresheet.
			For each factor where points are claimed, the requirements of that factor must
			be clearly depicted on the plans (for example, if 20 points for Factor 7,
•	•		"Stream Buffer Along Drainageways" are claimed, the plans need to show a
			50' buffer on each side of the creek, the areas to remain wooded, and note
			the total buffer area amount and the wooded area amount).
		Watershed D	Development in WCA (Watershed Critical Area)
			Location of natural slopes greater than 15% which are adjacent to streams
	_	_	and drainageways. These areas and jurisdictional wetlands must remain
•	•	•	undisturbed and either dedicated as drainageway and open space or platted
			as a water quality conservation easement (WQCE).
•	•		Note that drainage will be provided by means of open vegetated channels.
•	•		Note the intended land use and SIC Industry Code.
			Location of proposed storage tank(s) and indicate material to be stored. A
Φ	lacktriangle		secondary containment system must be constructed for the tank(s) and
Φ	Ψ		approved by the City.
			Stormwater Control Information
			Indicate the type(s) of non-structural and/or structural stormwater control(s)
•	•	•	that is proposed. (See Note 3)
			If proposing to use off-site stormwater controls, indicate the location and
•	•	•	owner(s) of the controls and provide information to demonstrate that the
_			property owner will assist in maintaining the controls.
			If proposing to use a public owned regional stormwater management facility,
•	•	•	provide information to demonstrate that the municipality accepts participation
			from the property owner.
			Location of the proposed stormwater controls and the location of the inlets
•	•	•	and outlets to the control.
			Label the access easement to stormwater control from the street R-O-W and
•	•	•	the D.M.U.E. around the facility.
Φ			
(See Note 4)			Approximate size of the stormwater control treatment area (with calculations).
			Describe and Problems in the control of the control
			Provide applicable maintenance agreements for proposed stormwater control.
			(If more than one property owmer will use the control.) Note: The property
			owner (or homeowner's association) is responsible for maintaining the
			stormwater control(s) according to the approved maintenance plan and
•	•	•	direction of the City of Greensboro. The engineer's certification of completion
	-		will be required prior to the final plat or certificate of occupancy. The
			stormwater control is to be inspected to ensure it is functioning properly and
			have full design volume prior to issuance of the final certificate of occupancy.
			The City and its assigns have right to access the stormwater control(s) for
			inspections or maintenance, as necessary.

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	STORMWATER CONTROL CONSTRUCTION PLAN				
If submitting stromwater control design for review and approval concurrently with the Preliminary Subdivision Plat provide this information	•	•	Layout of stormwater control, grading, and significant components (for example, primary outlet structure(s), dam, filter bed depth, bottom drain, etc.)		
	•	•	Cross section of proposed SWM improvements showing the elevations of significant components and storage allocations (e.g. sediment storage, peak reduction storage, etc.)		
stromwater co d approval conc ary Subdivision this information	•	•	Details and material specifications of all significant components of the stormwater control		
strom d appr ary Su this inf	•	•	Provide Engineer's Statement of Pond and Dam Safety (if dam construction is proposed).		
nitting w anc limina th	•	•	Provide hydrologic and hydraulic analysis/calculations, water quality and other pertinent calculations for design of the stormwater control.		
f subn r revie ne Pre	•	•	Provide an inspection/maintenance plan for reference by the owner for long-term maintenance needs.		
‡ fo ∓	•	•	Provide the construction sequence for completing the stormwater control.		
	SOIL EROSION CONTROL and GRADING PLAN				
w and ivision ceeds	one (1)	If the proposed land disturbing activity exceeds one (1) acre, provide this information  If the proposed land disturbing activity exceeds one (1) acre, provide this information	Bond required (\$2000 per acre) for disturbed areas five acres or more including borrow pit and/or waste area on/off site		
stromwater control design for review currently with the Preliminary Subdiveroposed land disturbing activity exert) acre, provide this information	If the proposed land disturbing activity exceeds o acre, provide this information		Grading application (attached)		
			Financial responsibility forms (attached)		
er contro with the I land dis- provide the			Location of temporary and permanent erosion and sedimentation control measures		
If submitting stromwater control design for review and approval concurrently with the Preliminary Subdivision Plat, and the proposed land disturbing activity exceeds one (1) acre, provide this information			Drawings, details, and specifications of erosion control measures with supporting calculations and assumptions		
			Maintenance requirements of erosion control measures during construction		
			Vegetation specifications for temporary and permanent stabilization		

## NOTES

Note 1: The U.S. Army Corps of Engineers and the N.C. Division of Water Quality regulate wetlands and waters of the United States through the 404 Corps Permit and 401 State Water Quality Certification process. The City encourages the protection and enhancement of wetlands and surface waters to promote improved water quality and water quantity management, as well as fish and wildlife biota and habitat preservation, and other benefits to local comprehensive watershed management. Site designers/developers are responsible for obtaining all applicable local, State, and Federal permits/certifications/approvals as necessary for proposed site development activities. CONTACTS: US Army Corp of Engineers, Raleigh Regulatory Field Office at 919-876-8441 and NC Division of Water Quality, Winston-Salem Regional Office at 336-771-4608.

Note 2: In general, encroachment into a FEMA-regulated floodway is not permitted unless the developer performs a FEMA No-Rise Certification and/or Conditional Letter of Map Revision Application and receives approval from the City (Local Floodplain Administrator) and FEMA Region 4 (Atlanta, GA) and National (Washington, DC) officials. Questions regarding development procedures within FEMA designated floodplains may be directed to the City's Storm Water Services Division, Technical Support Section.

Note 3; If proposing to use existing on-site or off-site controls, provide information to demonstrate that the controls have been approved by the City and can continue to meet quantity/quality control requirements.

Note 4: This may be done in lieu of submitting full construction design, details, and calculations for subdivision plans only. (Note on plan: No grading permit will be issued for a lot, nor can recordation of any lot occur, until the construction drawings have been approved for the stormwater control(s) that handle runoff from that lot.) Site plans must include construction plans for review and approval.