# **FORMAL SITE PLAN REVIEW**



#### **MINIMUM SITE PLAN REQUIREMENTS**

Site plan requirements are listed below. Some items may not be applicable to every application. Please contact *Plan Review* staff to confirm specific content requirements.

Site Plan Content				
00000 000000 000	Vicinity/Location map  True North (toward top of sheet)  Scale (graphic and numeric)  Date of preparation and all revisions  Title block – Project name and address, ownership name and contact information, designer/engineer name and contact information  Property boundaries and lot lines with bearings and distances (existing/proposed)  Public rights-of-way and easements (existing and proposed)  Limit of disturbance  Utility connections (water, sewer, culverts, drains, etc.) showing size and direction flow  Required and proposed sidewalks  Delineate the normal pool elevation of impounded structures, the banks of streams and rivers, the MHW or NHW line of tidal waters, and any coastal wetlands landward of the MHW or NHW lines.  Delineated vegetative buffer landward from all surface waters  Conservation resources and setbacks  Street and driveway locations and dimensions  Location of Stormwater Control Measures & Appropriate outfall			
Not				
	Adjacent property owner information (names, zoning, land use, deed book) Tree inventory (protected trees) Existing impervious areas (buildings, paved areas, sidewalks) Existing utilities (water, sewer, power, etc) Topography (1' contour intervals) Wetlands (delineated by qualified person) All flood plain areas with zone and elevation noted (if available) 100 year flood plain boundary			

☐ All surface waters (ditches, creeks, and streams) and their classification

Existing Conditions (con't)

## **SITE PLAN REQUIREMENTS**



	Existing drainage easements and pipes Soil types CAMA Areas of Environmental Concerns CAMA land use classification boundaries Conservation resources
	Historic and archaeological sites Layout Plan Data Table
00000000000000	Tax Parcel Identification Number Total acreage within the project boundary Zoning Proposed use Setbacks of Building (required and proposed) Building size with square footage Calculations for building lot coverage Number of units Number of buildings Building height(s) Number of stories and square feet per floor Total amount and percent of impervious surface areas Off street parking calculations (required, proposed, and basis for determination) Bicycle parking spaces (required/proposed) CAMA land use classification Method of handling solid waste
0000000000000000	Tree removal plan, overlaid with proposed improvements Proposed impervious areas (buildings, paved areas, sidewalks) Location and dimensions of on-site pedestrian and vehicular access ways Parking areas Loading and unloading facilities Designs of ingress and egress of vehicles to and from the site Curb and sidewalk lines Internal curb radii Finished floor elevations Dimensions of all structures Building entrances Water/Sewer mains and connections Bicycle parking spaces and locations Dumpster location and screening Location and dimension of all fencing and screening.
	All offsite improvements (e.g. sidewalks) Site lighting (location, height, direction, fixtures) (as applicable)

## **SITE PLAN REQUIREMENTS**



Gra	ading Plan
	Existing topography (1' contour intervals)
	Proposed topography (1' intervals) resolved with existing grades
	Soil erosion and sedimentation control measures (e.g. fencing)
	For parking areas, spot elevations provided at top of curb and edge of pavement every 200 ft and at all grade breaks
	For roadways, spot elevations are provided at the top of curb, edge of pavement and at the centerline every 200 ft and at all grade breaks (profiles w/ typical road section acceptable)
	For driveways, spot elevations provided along the edge of pavement, along both sides of the sidewalk and 5-10' inside the sidewalk to show grade transitions.
	Proposed roadways with a longitudinal slope between 0.3 – 7.0%
	Proposed driveway slopes: 15% max (residential) 8% max (commercial)
	ADA compliant sidewalk and ramps shown with spot elevations to demonstrate constructability.  All proposed stormwater management structures shown (pipes, culverts, swales, ditches, SCMs etc.)
	Size, slope and cross section provided for all proposed swales
	10' (min) maintenance and access shoulder <u>and</u> 5' (min) landscape buffer provided around the perimeter of open basin type stormwater SCMs (wet ponds, infiltration basins, stormwater wetlands etc.) Limits of Disturbance delineated
п	All vegetated side slopes are 3 to 1 or flatter or stabilization method provided
	Show trees to be removed and preserved. Show grading does not conflict with tree preservation
	Tree protection fencing
	orm Pipes and Catch Basins  Since Jonaths invests and clanes shown for all proposed pipes (provide chart if pagesson)
	Sizes, lengths, inverts and slopes shown for all proposed pipes (provide chart if necessary)  Stormwater collected minimum of 10 ft behind the property line. Runoff may not sheet flow over a sidewalk
	Roof drains are directed to stormwater system
	All storm pipes greater than 12" in diameter
	Storm pipes greater than 10 ft from buildings
	Storm pipes greater than 5 ft from utilities
	Manhole and inlet spacing < 400 ft (< 60" pipes)
	Cover meets DOT minimum for class III RCP (or others per manufacturer specifications)
	Curb Inlets located at upstream sides of intersecting streets (no flow across intersecting street or around
	corners)
	Center of inlets min 5 ft from point of tangent on public streets
	If using 24" curb, a 24" grate must be used. Grate may not protrude beyond edge of pavement.
	Headwalls or flared end sections are provided at all pipe inlets and outlets
	Easements shown for public drainage across private property and meet the width requirements specified on
	page 5-3 of the technical standards
	Energy Dissipaters designed for the 10-yr flow provided at each outlet
	Appropriate outfall provided for each system (r/w, drainage easement or naturalized channel)
Uti	lity Plan
	Meters, valves, cleanouts etc. in public right of way shall not be located in sidewalk or driveway
	18" setback required for above ground facilities from back of curb or driveway
	24" Vertical separation of Sanitary Sewer from storm drains otherwise DIP or structural bridging required.
	Building construction type based on International Building Code (IBC).
	of fire apparatus placement.

#### **SITE PLAN REQUIREMENTS**



Sta	indard Details
	Driveways (appropriate to development type)Road cross-sections
	City standard driveway detail (appropriate for type of development)
	Appropriate details (NCDOT or City Standard) for all drainage structures proposed
	Typical road section (if applicable)
	Pavement section(s)
	Typical sidewalk and curb ramp details
	Edge treatment details (curbing, wheel stops, turn-down sidewalk)
	Energy dissipater detail
	Stormwater SCM details
	Tree protection
	Dumpster screening
Lar	ndscape Plan
	Locations, dimensions, and square footages of required buffer yards, parking lot landscaping, streetyards
	perimeter landscaping, and foundation plantings.
	Details of required landscaping showing species, dimensions, and spacing of planted materials and the
	use and protection of existing vegetation.
	All existing and proposed utilities and if applicable, their associated easements.
	Location and square footage of structures and parking lots.
	Adjacent zoning districts.
	Approximate locations of all trees greater than eight (8) inches DBH within required buffers and of all
	areas of natural vegetation to be used as part of the buffer.
	Setbacks of all structures and specifications and shielding of certain uses, as required.
	Locations of any conservation resources associated with the parcel including any rare and endangered
	species in accordance with the North Carolina Wildlife Resources Commission.
	Proposed schedule for landscaping.
	Approximate location of all existing protected trees clearly indicating those to be retained and those
	proposed for removal and all trees to be planted on site to meet any mitigation requirements.
	Triangular sight distance.
	Landscape plan shows how BMP landscaping conforms to SD 15-16 (for all infiltration basins and wet ponds
	SCM landscaping meets requirements of NCDEQ Stormwater SCM manual
	5-10' landscape zone as required by Sec. V-4(g) of the technical standards
	Temporary and permanent vegetative stabilization methods and including seedbed preparation. Must be
	appropriate for this area

Note: All federal, state and local permits are required prior to full construction release. This includes, but is not limited to: tree protection, erosion control, wetland impacts, city storm water, CAMA, etc.