

Town of Hilton Head Island

Community Development Department One Town Center Court

Hilton Head Island, SC 29928
Phone: 843-341-4757 Fax: 843-842-8908
www.hiltonheadislandsc.gov

FOR OFFICIAL USE ONLY
Date Received:
Accepted by:
Project Mgr:
App. #: DPR
Fees:

APPLICATION PACKET FOR MAJOR SITE DEVELOPMENT PLAN REVIEW (DPR)

Project Name:	Project Address:		
Parcel Number [PIN]: R		Project Acı	reage:
Project Name: Parcel Number [PIN]: R Zoning District:	Overlay District(s):		
Applicant/Agent Name: Mailing Address: Telephone: Business License # Land Owner Name:	Company:		
Mailing Address:	City:	State:	Zip:
Telephone: Fax:	 E-mail:		1
Business License #			
Land Owner Name:	Telephone	#:	
Land Owner Name: Address:		nail:	
proposed request? If so, a copy of the application. YES NO Are there Protected Species located on the protected during construction. YES	e subject property? If so, provide de		
Fees and Forms: Please see www.hiltonheadicheck made Payable to Town of Hilton Head Is			
Instructions: A Staff Project Manager will be Point of Contact throughout the entire project. review of the application, and will assist in deta Additional items must be submitted at the end or final sign off.	This Project Manager will also inform ermining which of the requirements of	you of any boards this application ap	that require ply to the project.
Prior to submittal for a permit, an optional Proprovide very general, conceptual ideas to To building permitting. Your Project Manager can	wn Staff to better assist you in subm		
Application is hereby made to perform work application. To the best of my knowledge, the factual, and complete. I hereby agree to abide Island. I understand that such conditions shall by sale. I understand that failure to abide by t Head Island deems me subject to enforcement.	e information on this application and e by all conditions of any approvals g apply to the subject property only and his approval, any conditions, and all c	all additional documented by the Toware a right or obli	umentation is true, vn of Hilton Head gation transferable
I further understand that in the event of a State the Land Management Ordinance may be suspe		eview and approva	l times set forth in
Print Name	Agent Signature:		
			1

AFFIDAVIT OF OWNERSHIP AND RESPONSIBILITIES AND HOLD HARMLESS PERMISSION TO ENTER PROPERTY

The undersigned being duly sworn and upon oath states as follows:

	I am the current owner of the property which is the subject of this application.
2.	I hereby authorize to act as my agent for this application only. All statements contained in this application have been prepared by me or my agents and are true and correct to the best
3.	All statements contained in this application have been prepared by me or my agents and are true and correct to the best of my knowledge.
4	The application is being submitted with my knowledge and consent.
	Owner grants the Town, its employees, agents, engineers, contractors or other representatives the right to enter upon
٠.	Owner's real property located at (address)
	R (narcel ID) for the nurnose of application review, for the limited
	Owner's real property, located at
	Description of Work:
6	Owner agrees to hold the Town harmless for any loss or damage to persons or property occurring on the private
Ο.	property during the Town's entry upon the property, unless the loss or damage is the result of the sole negligence of the Town.
7.	I acknowledge that the Town of Hilton Head Island Municipal Code requires that all construction in a Special Flood Hazard Zone be constructed in accordance with the following provisions that:
	 a. any enclosed area below the base flood elevation will be used solely for parking of vehicles, limited storage or access to the building. This space will never be used for human habitation without first becoming fully compliant with the Town's Flood Damage Controls Ordinance in effect at the time of conversion. b. all interior walls, ceilings and floors below the base flood elevation will be constructed of flood resistant
	materials.
	c. all mechanical, electrical and plumbing devices will be installed above base flood elevation.
	d. walls of the enclosed area below base flood elevation will be equipped with at least two openings which allow
	automatic entry and exit of flood water. Openings will be on two different walls with at least one square inch
	of free area for every square foot of enclosed space and have the bottom of openings no more than a foot
	above grade.
	e. the structure may be subject to increased premium rates for flood insurance from the National Flood Insurance
	Program.
8.	I understand that failure to abide by Town permits, any conditions, and all codes adopted by the Town of Hilton Head
	Island deems me subject to enforcement action and/or fines.
	Print Name: Owner Signature:
	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Phone No.: Email:
	I holic NoEllian
	The foregoing instrument was acknowledged before me by
	The foregoing instrument was acknowledged before me by, who is personally known to me or has produced as identification and who did not take an oath.
	WITNESS my hand and official seal thisday of,A.D., 2
	My Commission expires:
	Notary Public Signature Please affix seal or stamp.
	Transport of Smarth

STANDARD SITE PLAN SUBMITTAL REQUIREMENTS – See LMO Appendix D-6

Note: Applicants may use this checklist as a guide for which documents are required for submittal.

Written Project Narrative, describing:	Site Lighting Plan (if not previously submitted):
Scope of the project, proposed specific use	
Number of Buildings	Light levels- existing & proposed
Square Footage of each Building	Fixture Locations- existing & proposed
Square Footage of each Use	Manufacturer's Photometric Data
Number of Stories for each Building	
Maintenance Responsibility	Landscape Plan (if not previously submitted):
Dedicated Improvements	Planting Plan
Any Protected Species	Plant Schedule
	Irrigation Plan
Site Development & Boundary Plan:	Tree Protection Plan:
Name of Development	Narrative
Legend defining all symbols, scale & north arrow	Tree Survey (no older than 2 years)
Tax Map & Parcel Number	Tree Tally Sheets
Date & Revisions & Vicinity Sketch	Replacement or supplemental tree plantings
Acreage	schedule, if required
FEMA Flood Zone	Method & location of tree protection
Original Seal & Signature	•
Reference Plats	Engineering:
Topographic Information	Pre-Design Conference Certification
Trees 6" Diameter & Over	Storm Water Calculations
Existing Structures within 50 Feet	Traffic Control Plan (Signage and Marking)
Off-street Loading Areas	Storm Water Review Application & checklist
Parking Calculations & Dimensions	Others:
Impervious Surface Calculations	Hydrant flow data
Open Space Calculations	Grading Plan showing any proposed grading
Setback & Buffer Areas	Paving & Drainage Plan with drainage locations
Wetlands Delineation	Water & Sewer Line Layout
Fire Hydrants & Fire Lanes	Septic or Waste System Layout
Trash Receptacles & Enclosures	Electric Line Layout (including lighting)
HVAC and utility pedestals	Phasing Plan
Location of Tree Protection Fencing around trees to	Archaeological Protection
be protected and along the edge of required buffers	
OCRM/DHEC Approval:	Wetlands Information:
Beach/Dune Activity	Total Wetland Area in Acres:
Coastal Zone Consistency Letter	
Land Disturbance Town & DHEC NOI if >1 acres	Copy of Delineation (letter & survey) of
Water Plan	wetland approved by Army Corps of Engineers
Sewer Plan	Wetlands Alteration Permit (Army Corps of
Air & Water Quality Approval	Engineers)
Septic Tank Approval	5 ,
Encroachment Permit:	Utility Approval:
SC Department of Transportation	PSD Water
Beaufort County	PSD Sewer
Town of Hilton Head Island	Electric Company
	Telephone Company
Other Governmental Approvals	
	Disclaimer: Although the application has been accepted, it
	may not be complete per the Town of Hilton Head Island Land Management Ordinance.
	Dana management Oramance.

TREE TALLY

[] PRE-DEVELOPMENT	[] POST DEVELOPMENT	[] BUFFER	[] NON-BUFFER
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CATEGORY I	CATEGORY II	CATEGORY III	CATEGORY IV
TOTAL # TREES:	TOTAL # TREES:	TOTAL # TREES:	TOTAL # TREES:
TOTAL DBH INCHES:	TOTAL DBH INCHES:	TOTAL DBH INCHES:	TOTAL DBH INCHES:

Note: Use additional sheets if necessary.



Town of Hilton Head Island

Engineering Division One Town Center Court

One Town Center Court Hilton Head Island, SC 29928 Phone: 843-341-4600 Fax: 843-842-8587 www.hiltonheadislandsc.gov

FOR OFFICIAL USE ONLY
Date Received:
Accepted by:
App. #:DPR
Meeting Date:

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	Project Address:
	ent Name:
	ecord:
	r [PIN]: R
	a of Disturbance (acres):
Existing Im	rvious Area (sq. ft.): Proposed Impervious Area (sq. ft.)
*If th	Area of Disturbance (above) is less than 0.5 acre or a single family residential that is not part of a larger common development, the items listed below are not required for review.
All items	f determined applicable by staff) are required at the time the application is submitted.
Further d	cumentation may be required upon review of the application.
<u>Dig</u>	al Submissions are accepted via e-mail to cdic@hiltonheadislandsc.gov or to the Project Manager
	DHEC Stormwater Management and Sediment and Erosion Control Plan Review Checklist
	DHEC Notice of Intent (only if development disturbs > 1 acres)
ŗ	wn of Hilton Head Island <i>Permanent Stormwater System Maintenance and Responsibility Agreement</i> is required to be pared and executed for all permanent drainage facilities. This agreement must be approved by the Town Engineer and cuted by the Owner
	wn of Hilton Head Island Land Disturbance Permit Application
	wn of Hilton Head Island Engineering Pre-Design Certification Form
	wn of Hilton Head Island Engineering Checklist
	rmwater Calculations per Section 16-5-109 of the LMO
	Note: Further documentation may be required upon review of the application.

TOWN OF HILTON HEAD ISLAND STORMWATER PLAN REVIEW CHECKLIST

Use this checklist to prepare the required Development Plan Review submittals. Please note that the following checklist is not all-inclusive. This checklist is intended to guide the preparation of the construction plans and calculations and is subject to change as necessary for clarification and updated according to current code and agency requirements.

CONSTRUCTION PLANS – GENERAL INFORMATION			
Requirement	Yes	No	N/A
PROFESSIONAL SEAL AND SIGNATURE required on final and complete approved			
plans, drawings, technical reports and specifications			Ш
DESIGNER INFORMATION - The engineer, surveyor, and/or landscape architect's			
name, address, telephone number, and e-mail address		Ш	Ш
APPLICANT INFORMATION - The owner's and/or developers name, address,			
telephone number, and e-mail address			
PLAN DATE and all revision dates with a brief description of the items revised			
TITLES AND NUMBERING for all plan sheets			
VICINITY MAP with street names and the site location			
SCALE at 1" = 30' minimum - Provide a graphic scale			
NORTH ARROW			
PLAN LEGEND with line types and symbols			
BOUNDARY SURVEY of project site (Metes and Bounds, computed acreage,			
benchmarks, control points, property corners, reference plats)		Ш	Ш
PROPERTY INFORMATION for all parcels and adjacent parcels (tax map and parcel			
number, owner's name and address)			Ш
OFF-SITE CONSTRUCTION requires a recorded easement or notarized right of entry			
from the affected property owner(s)			Ш
PROJECT OR CONSTRUCTION PHASE LINES (where applicable)			
TOPOGRAPHY of the site and surrounding vicinity, showing existing and proposed			
contours with intervals of one (1) foot (max) and spot elevations as necessary.			
Reference source and date of all topography.			
VERTICAL DATUM - NAVD88 required			
EXISTING AND PROPOSED SITE FEATURES - buildings, parking lots, patios, pools,		П	
water bodies, driveways, sidewalks, and bike paths.			
PERVIOUS MATERIA L - Location of existing and proposed pervious surface materials	 		
including pavers, granite stone #57 or CR-14 (stone choked with sand, not Crusher			
run)			
FINISH FLOOR ELEVATIONS of proposed buildings	<u> </u>		
EXISTING AND PROPOSED UTILITIES - Show and label all existing and proposed			
utilities (above ground and underground).			
EXISTING AND PROPOSED RIGHTS-OF-WAY – Location, width, and ownership			
information for existing and proposed rights-of-way.			
EXISTING AND PROPOSED DRAINAGE EASEMENTS - Location, width, and	l		
recordation information for all existing and proposed drainage easements per Section 16-5-109.G. of the LMO			Ш
EXISTING AND PROPOSED DRAINAGE STRUCTURES AND FACILITIES –			
Location of natural and manmade drainage infrastructure including pipes, swales, ditches, channels, curb and gutter, roof drains per Section 16-5-109 of the LMO.	▮ └┘	Ш	Ш
DRAINAGE PATTERNS with flow direction arrows	╫		
	┞╫		
OCRM CRITICAL LINE delineated and shown on plan (where applicable)	╟┸	Ш	
ENVIRONMENTALLY SENSITIVE AREAS such as wetlands, floodplains, critical soils, buffers, etc.			
FLOODPLAIN LIMITS and FEMA FIRM PANEL referenced with designated special			
flood hazard areas or zone designations associated with the site (where applicable)			

AREA OF DISTURBANCE – Tabulation of disturbed area and limits of disturbance			
delineated on plans. Includes area required for implementation of erosion and			Ш
sediment controls, stockpile areas and utilities.			
IMPERVIOUS SURFACE COVERAGE - Tabulation of impervious cover applicable to			
the zoning district in which development is located			
CONSTRUCTION PLANS - PLAN INFORMATION	1		
DRAINAGE INFORMATION			
1. Storm sewer – invert elevations, lengths, size (15" min. diameter or			Ш
equivalent), material types, pipe class and slopes for all segments labeled on			
plan and correspond to calculations. Reinforced Concrete Pipe AASHTO M170			
or ASTM Spec C-76, Class II and III, and corrugated High Density Polyethylene			
ASTM F2648 are permitted for drainage systems within the Town. Such other			
pipe as is approved in writing by the Town Engineer may be used. 2. Drainage structures (inlets, manholes, junctions, etc.) - rim elevations, invert			
elevations, inlet type and required grate or top unit and lengths labeled on plan			Ш
and correspond to calculations.			
3. Pipes and structures numbered or labeled and correspond to calculations			
Adequate horizontal clearance from other site utilities or structures		Ħ	Ħ
5. Delineation of ponding, headwater, surcharge or backwater areas which may		Ħ	Ħ
affect adjacent existing or proposed buildings, structures or upstream adjacent			Ш
properties			
PROFILES are encouraged to expedite review. If not provided, ensure all pipe	Ī		
segments have adequate minimum cover, do not exceed maximum depths of cover for			
the type/class of pipe specified, and do not conflict with other site utilities or excavation			Ш
areas			
EROSION AND SEDIMENT CONTROL PLAN per Section 16-5-109 of the LMO and			
in accordance with SCDHEC Stormwater Management and Sediment and Erosion			
Control Plan Review Checklist For Design Professionals.			
CONSTRUCTION DETAILS			_
Typical bedding details for all proposed storm pipe		Ц	
2. Standard details or reference note for all proposed access structure types			
(inlets, manholes, junctions, etc.)			
3. Catch basins shall provide for a bottom sand trap of 1.0 feet below the inlet or			
outlet, i.e. basins may be required to provide baffles for oil and grease trap			
operation			
4. Step detail or applicable reference note (if depth 4 ft. or more)		H	H
5. Open channel details: shape, bottom width, top width, side slopes, etc.		H	H
6. Outlet protection7. All special design structures (flumes, basin outlets, energy dissipators, etc.)		H	H
8. Storm water management details for embankment, principal spillway, trash		H	H
rack, anti-vortex device, anti-seep collars, etc.			Ш
9. Construction Details of standard structures (Drop Inlets, Curb/Gutter, etc.)			
10. Catch basins provide for a bottom sediment trap of 1' below the inlet or outlet		Ħ	Ħ
			_
STORM WATER FACILITY – GENERAL INFORMATION			
 Basic considerations for safety and unauthorized entry 			
2. Proper length/width ratio	_		
3. Safety bench around permanent pool; 10' Minimum width			
4. Embankment or excavation side slopes labeled (slope varies per BMP type).			
4. Embankment or excavation side slopes labeled (slope varies per BMP type).5. Material with watertight joints.			
 Embankment or excavation side slopes labeled (slope varies per BMP type). Material with watertight joints. Support and bedding requirements for barrel – concrete cradles, etc. or as 			
 Embankment or excavation side slopes labeled (slope varies per BMP type). Material with watertight joints. Support and bedding requirements for barrel – concrete cradles, etc. or as recommended by the Geotechnical Report 			
 Embankment or excavation side slopes labeled (slope varies per BMP type). Material with watertight joints. Support and bedding requirements for barrel – concrete cradles, etc. or as recommended by the Geotechnical Report End treatment (Flared end section, headwall, wingwall) at barrel outlet 			
 Embankment or excavation side slopes labeled (slope varies per BMP type). Material with watertight joints. Support and bedding requirements for barrel – concrete cradles, etc. or as recommended by the Geotechnical Report 			
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2. 3. 4. 5. 6. 7. 8.	elevation for facilities with an emergency spillway Minimum freeboard of two (2) feet above the 100-year design high water elevation for facilities without an emergency spillway or in accordance with the SCS National Engineering Handbook (prior approval required)			
STORI	M WATER FACILITY - CROSS SECTION			
II	Existing Ground			
	Proposed grade		H	H
3.	Top of facility - constructed and settled	l H	Ħ	Ħ
4. 5.	Emergency spillway with side slopes labeled (emergency spillway in cut) Barrel location			
Э.	barrer location			
	MWATER FACILITY - EMERGENCY SPILLWAY PROFILE			
	Existing ground		닏	
	Inlet, level (control) and outlet sections	$\parallel \parallel$	H	\vdash
3.	Spillway and crest elevations		Ш	Ш
	REATMENT DEVICES of adequate depth and properly designed using required			
	atment volumes for the selected County BMP facility type ET PROTECTION			
	Sized for maximum design release		П	
	Flared end section or endwall		Ħ	
3.	Dimensions			
5.	Slope at 0 percent (Level Grade)			
6.	Geotextiles (nonwoven)			
l		l		

STORM WATER MANAGEMENT PLAN – Storm Water Management plan and calculations in accordance with Section 16-5-109 of the LMO.				
Requirement	Yes	No	N/A	
STORM WATER MANAGEMENT and DRAINAGE DESIGN REPORT signed and sealed by Professional Engineer registered in South Carolina. Shall generally include a title sheet, date, project identification, owner and preparer information, table of contents, narrative, summaries and computations as required.				
STORMWATER MANAGEMENT NARRATIVE describing the project, location, site and drainage basin soil characteristics, receiving water or drainage facility, existing site and drainage basin conditions (topography, land use, cover, slopes, etc.), proposed site development, proposed stormwater management Best Management Practices, summary of hydrology and hydraulics, maintenance program, and any special assumptions utilized for development of the stormwater management and drainage design plan or computations.				
DRAINAGE AREA MAP depicting drainage area boundaries for pre- and post-development conditions. Maps shall include drainage area size, runoff coefficient or curve number and time of concentration flow paths for each sub-area. Include off-site drainage where applicable. Clearly show roof drainage flow directions on buildings.				
SOILS MAP with soil symbols, Hydrologic Soil Group, soil boundaries and legend in accordance with the current Soil Survey of Beaufort County, South Carolina with approximate locations of the project site, BMPs and applicable drainage basins				
 GEOTECHNICAL REQUIREMENTS Groundwater Elevations – Seasonal high to be used for design purposes; Test boring locations with reference surface elevations (if known). Geotechnical report prepared by a registered professional engineer with recommendations specific to BMP facility type selected. 				
 METHODOLOGY for surface runoff calculations in accordance with Section 16-5-109 of the LMO Rational Method; drainage area of 20 acres or less USDA NRCS TR-55 Method; sites of any size The Savannah Intensity—Duration Curve shall be used in computations 				
DESIGN STORM 25-year Frequency/24 Hour/8.4 Inch Rainfall, Antecedent Condition II. Type III distribution curve.				
HYDROLOGY CALCULATIONS - Provide supporting calculations for the hydrologic analysis of both pre-developed and post-developed conditions at <u>each</u> outfall point on the project site. 1. Calculations to include runoff Curve Number or Coefficient and Time of Concentration				
Runoff Curve Number or Coefficient determinations: pre-developed and ultimate development land use scenarios. Shall be in all cases acceptable to				
Town Engineer. 3. Curve Numbers shall not be less than the minimums established in the latest edition of the National Engineering Handbook, Part 630 (Hydrology), and shall be in all cases accountable to the Town Engineer.				
be in all cases acceptable to the Town Engineer. 4. Site inflow and outflow Hydrograph generation (tabular or graphical) for the 25-year design storm event				
 Site inflows C.F.S. (Hydrograph); Site outflows C.F.S. (Hydrograph); Tidal backwater effects; Soil characteristics; Static water levels; Peak water levels—25-year storm; Peak water levels shall be checked relative to a 100 year storm frequency in setting first flow elevations; and 				
 Pre-development conditions shall be carefully evaluated as to adequacy of drainage design (if any), and removed, replaced, or reworked if found 				

Last Revised 4-19-2021

	unsatisfactory	
HYDRAULIC CALCULATIONS		
1.	Elevation- or Stage-Storage curve and/or tabular data	
2.	Weir / Orifice Control calculations	
3.	Inlet / Outlet (barrel) control calculations	
4.	Emergency spillway capacity and depth of flow	
5.	Elevation - Discharge (Outlet Rating) curve and/or table.	
6.	Adequate channel computations for receiving channel	
7.	Permanent pool, 25-Year, 100-Year water surface elevations	
8.	Tidal backwater effects taken into consideration	
9.	Pipe calculations - Capacity, Flow Rate, Velocity, and Flow Depth; 25-year storm	
	event. All storm sewer pipe shall be designed and constructed to produce a	
	minimum velocity of two (2) feet per second (ft/s) when flowing full, unless site	
	conditions do not allow. No storm sewer system or portion thereof will be	
	designed to produce velocities in excess of ten (10) ft/s.	
	Hydraulic Grade Line computations; 25-year storm event	
11.	Open Channel computations; Capacity, Flow Rate, Velocity, and Flow Depth;	
	25-year storm event, 2-year storm event for velocity	
12.	Culvert computations – Capacity, Headwater depth, Velocity; 25-year storm	
	event, 100-year storm event check	
13.	Pipe thickness design computations, as required, for selected pipe type (live	
	load, minimum cover, maximum height of cover, etc.)	
14.	Downstream receiving channel check (based on field measured channel section	
4.5	data); 25-year storm event	
15.	Inlet / Catch Basin computations - Throat length, grate size, and inlet	
1.0	placement; 2-year storm event	
16.	Outlet velocity and outlet protection calculations; Discharge velocities shall be	
	reduced to provide a non-erosive velocity flow from a structure, channel, or	
	other control measure or the velocity of the 10-year, 24-hour storm runoff in	
	the receiving waterway prior to the land disturbance activity, whichever is greater.	
17		
	Curb and Gutter calculations -Spread and Ponding depth; 2-year storm event Storage-Indication Routing of post-developed inflow hydrographs; 25-year	
10.	design storm	
10	Downstream hydrographs at established study points, if conditions warrant (i.e.	
1).	facility discharge combined with uncontrolled bypass)	
20	Provisions for retention of "First Inch" runoff from on-site impervious surfaces	
	Pre- vs. Post-development peak discharge calculations	
	Provisions for treatment of First Flush runoff	
	Design for 10-year sediment load storage	
MISCELLANEOUS		
1.	Riser / base structure flotation analyses (if warranted)	
2.	Downstream danger reach study and/or emergency action plan (if conditions	
	warrant)	
3.	Upstream backwater analyses onto offsite adjacent property (if conditions	
	warrant)	
4.	100-year floodplain impacts (if conditions warrant)	