NEW HANOVER COUNTY

Engineering Department
230 Government Center Drive · Suite 160
Wilmington, North Carolina 28403
TELEPHONE (910)-798-7139
Fax (910) 798-7051

Beth E. Wetherill, C.P.E.S.C.
Soil Erosion Specialist

March 5, 2016

NNP IV-Cape Fear River LLC
13777 Ballantyne Corporate Place, Suite 250,
Charlotte, North Carolina 28277

RE: Grading Permit # 28-15, River Lights Phase II Conventional Subdivision

Dear Mr. William Mumford:

This office has reviewed the revised subject sedimentation and erosion control plan. We find the plan to be acceptable.

Please read the permit conditions carefully and return the signed blue original to our office and keep the copy for your records.

A preconstruction meeting is required prior to any land disturbing activity on site. Please contact us at (910) 798-7139 to set this up with us.

The land disturbance fee of $15450 is due to be paid to New Hanover County, to my attention, prior to issuance of any Plat Recordation.

Please be advised that a copy of the approved soil erosion plan, a copy of the grading permit, a rain gauge and the Combined Inspection Reports must be available at all times at the site.

New Hanover County's Erosion and Sedimentation Control Program is performance oriented requiring protection of the natural resources and adjoining properties. If following the commencement of the project, it is determined that the plan is inadequate to meet the requirements of the New Hanover County's Erosion and Sedimentation Control Ordinance, this office may require revisions in the plan and its implementation to insure compliance with the ordinance.

This permit will not preclude any other permits or approvals necessary for beginning or completing this development. It is the owner's responsibility to have all the approvals or permits that are required prior to beginning construction. Approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State Water Quality laws, regulations and rules.

Respectfully yours,

Beth Easley Wetherill

Beth Easley Wetherill
NHC Soil Erosion Specialist

CC: Nick Lauretta PE, Mckim & Creed
Brian Chambers, City of Wilmington Planning

Permit# GP 40-15

Permit for a Land Disturbing Activity

New Hanover County
Department of Engineering
230 Government Center Drive - Suite 160
Wilmington, North Carolina 28403
(910) 798-7139

As authorized by the New Hanover County Erosion and Sedimentation Control Ordinance

This permit issued to **NNP VI-Cape Fear River, LLC** authorizes the development of **27.16 acres** of land at **4410 River Road for River Lights Phase II Conventional Subdivision** in New Hanover County. This permit issued on **March 5, 2016** is subject to compliance with the application and site drawings, all applicable regulations and special conditions and notes set forth below. **Any plan modifications must be approved by this office prior to field changes.**

It is understood by the applicant that a representative of New Hanover County's Engineering Department may inspect the site at any time following the issuance of this Permit. A copy of the approved Soil Erosion Control Plan, this permit, a rain gauge and copies of all the Combined Self-Monitoring and Self Inspection Reports must be available at all times at the site.

Failure to execute the provisions of this permit and the approved Soil Erosion Plan, or any other provisions of the New Hanover County Soil Erosion and Sedimentation Control Ordinance, shall result in immediate legal action by the County to the limits prescribed by the Ordinance. If the measures outlined on the approved Soil Erosion Control Plan and this Permit prove insufficient, additional Erosion Control measures can and will be required which in turn will be considered provisions of this Permit. This Permit does not preclude any other permits or approvals necessary for beginning or completing this development. Approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State laws, regulations and rules. It is the Permittee's responsibility to obtain all necessary permits and approvals.

SPECIAL CONDITIONS

(THESE CONDITIONS MUST BE FOLLOWED IN ADDITION TO THE PLANS AND SPECIFICATIONS)

*All the soil erosion control measures will be installed as the site is cleared and maintained throughout construction. This project includes 2 phases. Phase one includes installation of the construction entrance, tree protection, silt fences, double rows of silt fences, 1lined temporary diversion ditch with a check dam and immediate construction and stabilization of Sediment Basins 1 with coir baffles and a 1.5 inch Faircloth Skimmer and a 1.4 inch orifice. Phase two includes installation and stabilization of Sediment Basin 1 with a 4 inch Faircloth Skimmer and a 3.4 inch orifice, Infiltration Basin #9 with a 2.5 inch Faircloth Skimmer and a 2.4 inch orifice thru an earthen dam, Sediment Basin #10 with a 4 inch Faircloth Skimmer and a 3.1 inch orifice, Sediment Basin #11 with a 1.5 inch Faircloth Skimmer with a 0.9 inch orifice and installation of the drainage system with inlet protection

silt fences on the southwest side of the site, inlet protection, immediate construction and stabilization of 4 skimmer sediment Basins with coir baffles, Faircloth skimmers and outlet protection and immediate construction and stabilization of 1 infiltration Basin . All barrels pipes will be 4 inches in diameter except in sediment basin #2 which will have a 5 inch barrel. All barrel pipes will be connected to the base of the outlet structures. The skimmer in Basin #1 will be 4 inches with a 3.3 inch orifice, the skimmer in Basin#2 will be 5 inches with a 4.3 inch orifice, the skimmer in Basin #3 will be 2 inches with a 1.8 inch orifice and the skimmer in Basin #4 will be 2.5 inches with a 2.0 inch orifice. Note: All openings in outlet boxes below the overflow weir must be blocked for the skimmer to function.

*Tree Removal Permits must be acquired from the City of Wilmington and/or New Hanover County prior to issuance of this permit and clearing the site.

*Silt fence stakes must be metal and will be placed **six feet apart without wire reinforcement** or **eight feet apart with wire reinforcement.** Silt fence is **not** allowed as inlet protection.

*This permit does not preclude any permits or approvals which may be necessary such as City of Wilmington or New Hanover County Stormwater, NCDENR Water Quality, C.A.M.A., and the US Army Corps. of Engineers, DEM Solid Waste or any other agencies.

*No sediment shall leave the site.

*If plan revisions are necessary you must submit a copy to this office for approval **prior** to any field changes.

*If soil is removed from the site, it must be taken to an approved or permitted site to be identified to this office **prior** to removal from the site.

*All City and/or County and State drainage and stormwater requirements will be adhered to.

*If these measures fail to adequately control erosion, more restrictive measures will be required.

*If any phase of grading ceases for more than 15 working days, the site will be temporarily stabilized.

*All slopes must be stabilized within 21 calendar days of any phase of activity.

The approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State Water Quality laws, regulations and rules.

***Note the required rates for seed, lime, fertilizer and mulch in your seeding specifications.**

***Note the NPDES information from the State for sites disturbing 1 acre or more and the reporting requirements.** All **NEW** projects permitted after August 3, 2011 must include the following surface water withdrawal locations and stabilization requirement designations on the plan in order to qualify for coverage under the most recent NPDES Construction General Permit. All settling basins must have outlet structures that withdraw water from the surface, with the exception of basins or traps that have a drainage area of less than 1 acre. The NPDES permit requires ground cover within 14 calendar days on disturbed flat areas and ground cover within 7 calendar days on all areas within HQW Zones, perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3:1. Exceptions include slopes that are 10 feet or less in length and not steeper than 2:1 which must be stabilized within 14 calendar days and slopes greater than 50 feet which must be stabilized within 7 calendar days. This permit also includes other new requirements which are listed in the text of the NPDES Stormwater Discharge Permit for Construction Activities. Inspections of all erosion control measures and reports are required every 7 days and within 24 hours of every 1/2 inch rain event in a 24 hour period.

***Note the Land Resources Self Inspection Program Requirements. This program is separate from the NPDES reporting and requires inspection and documentation after each phase of construction. These phases include: Installation of perimeter erosion control measures, Clearing and Grubbing of existing ground cover, Completion of any phase of grading of slopes or fills, Installation of storm drainage facilities, Completion of construction or development, Establishment of permanent ground cover sufficient to restrain erosion and any Deviation from the approved plan.**

Permit # GP 40-15

Enclosed is a Combined Self-Monitoring and Self-Inspection Form that meets the requirements of both the NPDES Stormwater Permit for Construction Activities, NCG 010000 reporting and the Land Resources Self Inspection Program that satisfies the requirements of the Sedimentation Pollution Control Act.
This report is the responsibility of the property owner. It requires a rain gauge onsite and inspections and reporting every 7 calendar days and within 24 hours of every ½ inch rain per 24 hour period and at specific phases of construction. Additional copies of this Combined Construction Inspection Report can be found at http://portal.ncdenr.org/web/lr/erosion . Reports must be available onsite at all times. If you have questions please contact New Hanover County Engineering (910) 798-7139 or the Land Quality Section at the NCDENR Regional office at (910) 796-7215.

*A pre-construction meeting is required prior to any activity on site. Please contact Beth E. Wetherill at (910) 798-7139 to set up this meeting.

This Permit will expire one year from date of issue if no construction activity begins on site. This permit may not be amended or transferred to another party without approval of this office.

Beth Easley Wetherill

Beth E. Wetherill, C.P.E.S.C..
Soil Erosion Specialist/New Hanover County

Acknowledgment of receipt of Permit

_____
Owner

_____
By (please print)

_____
Signature