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PRINCETON FORRESTAL CENTER

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No. Pages 0009

Instrument WETLANDS

Date : 8/30/2004

Time : 1:57:06

Control # 200408300633

INST# WL 2004 000077

Employee ID RBOOKER

RECORDING	\$	40.00
DARM	\$	24.00
NJPRPA	\$	16.00
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	\$	.00
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	\$	.00
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	\$	.00
Total:	\$	80.00

STATE OF NEW JERSEY  
MIDDLESEX COUNTY CLERK

ELAINE FLYNN  
COUNTY CLERK



200408300633



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34334-030-01  
RKW, JCR, BRP, SWG, BCB



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
(See Issuing Division below)  
P E R M I T\*

APPROVED PLANS FILED IN 105-B-3

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No. 1200-03-0004.2 FHA040001(Stream Encroachment) 1200-03-0004.2 FWW040001(FWGP10A) 1200-03-0004.2 FWW040002(FWGP11)	Application No.	
Issuance Date <b>AUG 10 2004</b>	Effective Date <b>AUG 10 2004</b>	Expiration Date <b>AUG 10 2009</b>
Name and Address of Applicant  The Trustees of Princeton University Princeton Forrestal Center 105 College Road East Princeton, NJ 08540	Name and Address of Owner	Name and Address of Operator
Location of Activity/Facility (Street Address)  Block Nos.: 4 & 99 Lot Nos.: 4.03 & 3.021 Twp.: Plainsboro & South Brunswick County: Middlesex	Issuing Division  Land Use Regulation Program	Statute(s)  NJSA 13:9B-1 NJSA 13:1D-1 NJSA 58:10A-1 NJSA 58:16A-50, et. seq.
Type of Permit Stream Encroachment Freshwater Wetlands	Maximum Approved Capacity, if applicable	

This permit grants permission to:

establish the limits of the 100-year floodplain, construct a six stormwater outfall structures and a culvert, in connection with a commercial development within the floodplain of Harry's Brook, located northwesterly of the intersection of Independence Way and U. S. Highway Route No. 1, within Lot Nos. 4 & 3.021 of Block Nos. 4 & 99, in Plainsboro & South Brunswick Townships, Middlesex County, New Jersey. The authorized activity involves the disturbance of 0.055 of an acre of wetlands, transition area and State open waters for the construction of an outfall structure under General Permit No. 11 and the disturbance of 0.021 of an acre of wetlands for the proposed loop road under a General Permit No. 10A.

Prepared By:   
Damian T. Friebel

(See page 6 for Section Chief's signature.)

Revised Date	Approved by the Department of Environmental Protection
	Name (Print or Type) _____ Title _____
	Signature _____ Title _____

PAGE #  
BOOK #  
# OF PAGES  
DATE REC'D  
PLANE M.F. X  
CLERK'S STYLING

AUG 30 PM 2004

## Terms And Conditions

### This permit is subject to the following terms and conditions:

1. This permit is revocable, or subject to modification or change at any time, pursuant to the applicable regulations, when in the judgement of the Department of Environmental Protection of the State of New Jersey such revocation, modification or change shall be necessary.
2. The issuance of the permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application.
3. The works, facilities, and/or activities shown by plans and/or other engineering data, which are this day approved, subject to the conditions herewith established, shall be constructed and/or executed in conformity with such plans and/or engineering data and the said conditions.
4. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey.
5. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership.
6. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained.
7. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any person.
8. In cases of conflict, the conditions of this permit shall supersede the plans and/or engineering data.
9. Limit and Extent of Approval
  - a. This approval grants permission to the applicant and/or its agents to undertake an activity regulated by the State of New Jersey as described by the text of this permit and as detailed by the herein approved plans. Any construction, grading, removal of vegetation, or other activity at this site within or affecting a regulated flood plain, other than specifically approved by this permit or as detailed by the approved drawings, shall require additional approvals from the Department. The commencement of such regulated activities without the appropriate approvals shall be in violation of State law.
  - b. All activities authorized by this permit shall be completed within five years of

**Terms And Conditions**

the issuance date as listed on the first page of this document. At that time, this approval, if not previously revoked, shall automatically become null and void, and none of the activities referenced herein may commence or continue until a new approval has been granted by the Department.

**10. Method of Construction**

- a. All activities approved by this permit shall be performed under the supervision and direction of a Professional Engineer licensed in the State of New Jersey, and shall be undertaken using the best management practices available. Furthermore, the site shall be subject to inspection at any time by representatives of the Department to ensure the continuous application of the provisions of this permit.
- b. During the course of construction, neither the applicant nor its agents shall cause or permit any unreasonable interference with the free flow of the stream by placing or dumping any materials, equipment, debris or structures within or adjacent to the stream corridor. Upon completion or abandonment of the work, the applicant and/or its agents shall remove and dispose of in a lawful manner all excess materials, equipment and debris from the stream corridor and adjacent lands.
- c. All activities authorized by this permit shall be stabilized in accordance with the *Standards for Soil Erosion and Sediment Control in New Jersey* (obtainable from local Soil Conservation District offices), or equal engineering specifications, to prevent eroded soil and sediment from entering adjacent waterways and wetlands at any time during and subsequent to construction. The Department reserves the right to order the suspension of any activity if unacceptable levels of erosion or turbidity result from the same. Furthermore, the applicant shall maintain the stream corridor as shown on the approved drawing/s for either such time as is required for the channel and/or banks to become reasonably stabilized, or for one year after completion of the project (as evidenced by a Certificate of Completion), whichever period of time is longer.

**11. Responsibilities of Applicant**

- a. The granting of this permit does not in any way relieve the applicant and/or its agents from the responsibility for damages caused by any construction or activities hereby approved, nor does the Department accept responsibility for any structural designs.
- b. No construction authorized by this permit may begin until the enclosed **permit acceptance form** has been signed by the applicant and is returned to the Department. By signing and submitting this form, the applicant accepts this permit in its entirety and agrees to adhere to all of its terms and conditions. Please be advised that this permit may be declared null and void should it be determined that adequate measures had not been taken by the applicant and/or

## Terms And Conditions

its agents to ensure the continuous implementation of these terms and conditions.

- c. Within ten (10) days of the receipt of this permit by the applicant, this permit shall be recorded in its entirety in the office of the County Clerk or the Registrar of Deeds and Mortgages for each county where this permit is located. Verified notice of this action shall be forwarded to the Department immediately thereafter.
- d. The enclosed **construction notice** shall be completed by the applicant or its agent and submitted to the Department at least fourteen (14) days prior to the commencement of the herein approved activities.
- e. The enclosed **completion report** shall be completed by a Professional Engineer licensed in the State of New Jersey and submitted to the Department within thirty (30) days after completion of the herein approved activities.

12. All excavated material must be disposed of in a lawful manner outside of any regulated flood plain, open water, freshwater wetlands or adjacent transition areas, and in such a way as to not interfere with the positive drainage of the receiving area.

13. The applicant must make specific arrangements to ensure the continuous maintenance and efficient operation of all proposed water quality measures on site. This includes, but is not limited to, the cleaning and inspection of all water quality inlets at least twice a year and after every major storm, and the continuous implementation of appropriate soil conservation practices within any grassed swales, storm water outfall structures and other similar appurtenances throughout the site in order to limit soil erosion and sediment discharge into adjacent waterways.

14. The annual inspection and maintenance of the detention basins must include an inspection of the cap located at the basin's outlet structure on the perforated pipe underdrain. The cap must be closed at all times, except in cases of emergency drainage for each basin.

15. In order to be in compliance with the NJDEP Stormwater Management Rules N.J.A.C. 7:8, the site must be designed to be in compliance with Chapter 2 of the New Jersey Stormwater Best Management Practices Manual for Low Impact Development Techniques. Each phase of development on this site must be carefully designed in accordance with the guidelines as outlined in Chapter 2 of the BMP. The final designs and site plans must be submitted to this office and approval must be obtained prior to construction.

16. The proposed basin "2" must not have the drainage area exceed 25.26 acres with a maximum impervious cover of 17.49 acres, proposed basin "3" must not have the drainage area exceed 17.93 acres with a maximum impervious cover of 12.14, proposed basin "4" must not have the drainage area exceed 22.57 acres with a

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maximum impervious cover of 13.51, proposed basin "5" must not have the drainage area exceed 18.04 acres with a maximum impervious cover of 8.60, proposed basin "6" must not have the drainage area exceed 18.81 acres with a maximum impervious cover of 12.52, proposed basin "7" must not have the drainage area exceed 26.07 acres with a maximum impervious cover of 20.65, proposed basin "8" must not have the drainage area exceed 19.98 acres with a maximum impervious cover of 15.69, proposed basin "9" must not have the drainage area exceed 21.91 acres with a maximum impervious cover of 17.32.

17. In order to protect the general game fish population within Heathcote Brook and Tributary, any proposed grading or construction activities within the banks of this or any stream on site are prohibited between May 1<sup>st</sup> and June 30<sup>th</sup> of each year. In addition, any activity within the 100-year flood plain or flood hazard area of this watercourse which could introduce sediment into said stream or which could cause an increase in the natural level of turbidity is also prohibited during this period. The Department reserves the right to suspend all regulated activities on site should it be determined that the applicant has not taken proper precautions to ensure continuous compliance with this condition.
18. Alterations from the temporary disturbance must be restored to pre-existing conditions relative to native soils and indigenous / non-invasive vegetation. Matting or other fabric / synthetic materials should be placed over the native soils to make restoration easier by segregating temporarily placed materials from native soils.
19. Trees, shrubs, grasses, and other vegetation within 25 feet from the top of all stream banks on site shall not be disturbed for any reason, except as approved by the Department and as shown on the approved site plans. This condition applies to all streams and waterways on site, regardless of the contributory drainage area.
20. Appropriate measures must be taken to prevent raw concrete from coming in contact with the river, as it is toxic to aquatic biota.
21. Provisions of the Freshwater Wetlands Statewide General Permits 10A & 11
  - a. Limit of Authorized Disturbance - The authorized activities involve the total disturbance of 3,280 square feet (0.076 acre) of freshwater wetlands, transition areas and state open waters for the construction of outfall structures and a road crossings along Harry's Brook. The project will disturb 2,380 square feet (0.055 acres) of wetlands, transition areas and State open waters under Statewide General Permits 10A for the proposed loop road. In addition, a total of 900 square feet (0.021 acres) of wetlands will be disturbed for the construction of outfall structures under Statewide General Permit 11. Any additional disturbance of freshwater wetlands, State open waters or transition areas shall be considered a violation of the Freshwater Wetlands Protection Act unless a permit is obtained prior to the start of the disturbances from the Land Use Regulation Program.

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- b. Water Quality Certificate - This permit to conduct a regulated activity in a wetland or state open water includes the Program's approval of a Water Quality Certificate for these activities.
- c. Waiver of Transition Area - The Land Use Regulation Program has determined that the wetlands affected by this permit are of Ordinary and Intermediate resource value (LURP File No. 1200-03-0004.1). The ordinary resource value wetlands do not require a buffer, while the intermediate resource value areas have a standard transition area of 50 feet adjacent to the wetlands. The authorization of activities under these Freshwater Wetland General Permits include a transition area waiver which allows encroachment only in that portion of the transition area which has been determined by the Department to be necessary to accomplish the authorized activities.

22. No construction equipment shall be stored, staged or driven within any channel, freshwater wetland or transition area.

23. The drawings hereby approved are twelve (12) sheets prepared by VAN NOTE-HARVEY ASSOCIATES, P.C., dated May 4, 2004, unrevised, entitled:

"FOR THE GENERAL DEVELOPMENT PLAN OF THE PRINCETON NURSERY: OVERALL STORMWATER MANAGEMENT FACILITIES PREPARED FOR PRINCETON FORRESTAL CENTER SITUATED IN SOUTH BRUNSWICK TOWNSHIP AND PLAINSBORO TOWNSHIP MIDDLESEX CO., N.J."

"OVERALL SITE PLAN" Sheet No. CE-4,

"BASIN 2 & 3 ENGINEERING PLAN" Sheet No. CE-6,

"BASIN 2 & 3 DRAINAGE PROFILES AND DETAILS" Sheet No. CE-9,

"BASIN 4 ENGINEERING PLAN" Sheet No. CE-11,

"BASIN 4 DRAINAGE PROFILES AND DETAILS" Sheet No. CE-14,

"BASIN 5 & 6 ENGINEERING PLAN" Sheet No. CE-15,

"BASIN 5 & 6 DRAINAGE PROFILES AND DETAILS" Sheet No. CE-18,

"BASIN 7 ENGINEERING PLAN" Sheet No. CE-19,

"BASIN 7 DRAINAGE PROFILES AND DETAILS" Sheet No. CE-22,

"BASIN 8 & 9 ENGINEERING PLAN" Sheet No. CE-23,

Stream Encroachment Program Interest No. 1200-03-0004.2 FHA040001  
Freshwater Wetlands Program Interest No. 1200-03-0004.2 FWW 040001  
Freshwater Wetlands Program Interest No. 1200-03-0004.2 FWW 040002

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“BASIN 8 & 9 DRAINAGE PROFILES AND DETAILS” Sheet No. CE-26,

“CULVERT PLAN, PROFILE & SECTIONS” Sheet No. CE-27,

Madhu Guru

Madhu Guru, P.E., Section Chief  
Bureau of Inland Regulation

8/10/04

Date

THIS APPEARS ON YOUR  
DOCUMENT SO THAT IT WILL BE  
RECOGNIZED BY OUR SCANNER...  
THANK YOU

RECEIVED

AUG 18 2004

WILLIS BOTT HARVEY  
ASSOCIATES, P.C.