

Internal Operating Procedure

BMP 5.02 POST-CONSTRUCTION PLAN REVIEW AND APPROVAL **December 2017**

I. Introduction

The University of Nebraska-Lincoln holds a Small Municipal Separate Storm Sewer Systems General NPDES Permit NER310000 with NDEQ. This requires review and approval of all applicable new and redevelopment sites to evaluate conformance to performance standards. UNL has adopted [Design Guidelines](#) to meet performance standards. All new and redevelopment projects a half acre or more must meet water quality and quantity standards.

II. Plan Review

There are two major opportunities for the assigned EHS staff member to review post-construction BMPs: during Schematic Design and during the 60% design review of construction documents.

The EHS staff member must regularly check the status of projects listed within e-Builder that have triggered stormwater performance standards.

During the schematic design phase, the EHS staff member should communicate with UNL's Project Manager and attend design meetings. These meetings should be used to discuss possible site constraints, design elements that could be used on the site, and possible O&M considerations.

As part of the A/E contract agreement, the A/E must submit the following for review by EHS at Schematic Design:

1. Description of proposed post-construction structural storm water controls, and, if applicable, a description of any site constraints that prohibit achievement of UNL's Design Guidelines standards for water quality and/or quantity.
2. Description of design standards for each proposed post-construction storm water structural control.
3. Pre- and Post- development storm water quality and quantity calculations demonstrating achievement of UNL's related Design Guidelines to the maximum extent practicable.
4. Estimates of post-construction structural storm water controls lifespan and O&M costs.

(Created: 12/17; Revised:)

During the construction document design review phase, UNL's Facilities, Planning and Construction (FPC) Department will send out a design review request through e-Builder at approximately the 60% completion mark. At this time the assigned EHS staff member shall review the drawings to determine if the design guidelines have been met and if the stormwater management control(s) has/have been designed to the appropriate design standards such as the City of Lincoln Drainage Criteria Manual or the City of Omaha post-construction manual. As necessary, EHS will confer with others (e.g., Utilities, Landscape Services, etc.). All questions, comments, or modification requests shall be documented in the design review comments spreadsheet (sent with the design review request) and sent back to UNL's Project Manager and the A/E via the e-Builder system.

III. Plan Approval

UNL's FPC Department will send out a design review request through e-Builder at approximately the 95% design completion mark. At this time a response from the A/E will be available in e-Builder regarding all comments made during the previous design review. The EHS Specialist will review the 95% design documents and the A/E response to verify any required modifications or requests for clarification have been made. Approval shall be made within the design review comments spreadsheet and sent back to UNL's Project Manager and the A/E via the e-Builder system.

IV. Deviations from UNL's Design Guidelines and Modifications to Previously Approved Designs

Deviations from UNL's Design Guidelines requires submittal of a Design Guideline Waiver form (as described at <https://facilities.unl.edu/design-guideline-waiver-request>). If UNL's Design Guidelines for water quality or water quantity will not be met as demonstrated by the Architect's calculations and schematic design review, the assigned EHS staff member shall initiate an action item in e-Builder requesting submittal of a design waiver form and then shall collaborate with UNL stakeholders (e.g., Project Manager, Utilities Project Manager, Landscape Architect, etc.) on determining whether to approve the waiver request.

Changes to previously approved designs must be approved by UNL and all changes and deviations must be submitted in writing by the Architect through the e-Builder system.

(Created: 12/17; Revised:)