



1515 Market Street, Suite 920  
Philadelphia, PA 19102  
267.402.3400

March 30, 2020  
Via: Online

Philadelphia Water Department  
Stormwater Plan Review  
1101 Market Street  
Philadelphia, PA 19107

Attention: Robert Ealer, P.E.  
(215) 685-6387  
Robert.Ealer@phila.gov

Re: PWD Tracking Number: FY20-REDL-5874-01  
Red Lion Phase 1  
1 Red Lion Road  
Philadelphia, PA 19115  
Bohler Project No. PP193123

Dear Robert:

With regard to the above referenced project, enclosed please find the following for your review and approval:

- One (1) copy of ERSA Plans dated 2/21/2020, last revised 3/20/2020;
- One (1) copy of NPDES response letter to PADEP.

Below please find an itemized response to the letter received from the Philadelphia Water Department, dated March 25, 2020. Our responses are noted in **bold**.

PCSM Requirements Compliance and Design Comments:

1. A NPDES Permit from the PA DEP is required since the earth disturbance for this project exceeds one acre. PWD requires proof of NPDES application to PA DEP. This can be in the form of a copy of the permit application, application receipt, or notification letter from PA DEP.

**Response: A NPDES Application has been filed with the PADEP. A copy of the response letter submitted as part of the Technical Resubmission is included with this resubmission.**

2. 95% or more of the 7,113 sf of post-construction impervious area within the project's limit of disturbance (LOD) must be disconnected in accordance with Section 3.2.3 of the Manual. The submitted Online Technical Worksheet claims that all 7,113 sf is disconnected via pavement disconnection, however the plan doesn't indicate any proposed pavement disconnection. Please revise the plans to label all pavement disconnection area(s). Clearly label and show impervious drainage area and the length of overland flow across grass. Refer to Section 3.4.1 of the Manual for guidance.

**Response: The LOD has been revised to exclude the 7,113 SF of impervious area associated with the portion of the existing driveway to remain off of Sandmeyer Lane.**

3. Please provide an Existing Conditions Plan. Ensure that it meets all of the specific requirements for Existing Conditions Plans listed in Appendix E, Table E-2 of the Manual. Also ensure that it includes notes relating to utility capping/plugging and demolition and hatching of all existing impervious areas within the project's LOD.

**Response: An Existing Conditions Plan is included with this resubmission.**

Erosion and Sediment Control Comments:

1. Please revise sheet 01 to note the total area encompassed by the LOD. Ensure that the area is consistent with the area provided on the Online Technical Worksheet.

**Response: A note has been added to Sheet 01 listing the total disturbed area.**

2. Please revise the plans to indicate that some objects of considerable mass (i.e. concrete blocks, sand bags, etc.) must be used immediately downslope of compost socks placed on paved surfaces (at the same intervals as recommended by the sock manufacturer for stakes) in order to help hold them in place.

**Response: A note has been added to Sheet 01 speaking to adding objects of mass downslope of filter socks when placed on paved surfaces.**

3. Please revise sheet 03 to include all applicable standard sequence of construction notes listed in Appendix E, Table E-6 of the Manual.

**Response: The E&S Notes Sheet, sheet 23, has been revised to include the applicable notes from Appendix E, Table E-6.**

General Submittal Comments:

1. All plans, reports, and calculations must be signed and sealed by a Professional Engineer licensed in the Commonwealth of Pennsylvania. Please provide on each plan sheet a signature and seal from a PA Professional Engineer.

**Response: All reports and calculations have been electronically signed and sealed by a PE licensed in PA.**

Operations and Maintenance Comments:

1. Please revise the "OPA Info" under the "Operation and Maintenance Agreement Information" section of the Online technical Worksheet to list the correct property address (1 Red Lion Road).

**Response: The OPA info has been revised on the online technical worksheet.**

Upon review, should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,

**BOHLER ENGINEERING PA, LLC**



Michael Roth, E.I.T., Senior Design Engineer