

MANAGED RELEASE CONCEPT (MRC) DESIGN SUMMARY

Complete One Design Summary Sheet for Each BMP Designed for MRC

GENERAL INFORMATION

Applicant Name: Saucon Point, LLC (Attn Dano Guerrieri) Project Name: 3849 Portland Street
Applicant Address: 2345 Ridge Drive Municipality: North Whitehall Township
City, State, Zip: Hellertown, PA 18055-3366 County: Lehigh
Permit Type: ☐ NPDES PAG-02 ☒ NPDES IP ☐ ESCGP ☐ ESP

	Pre-Development	Post-Development	Change
Impervious Area (acres):	0.58	1.00	+0.42 AC

MRC BMP INFORMATION

MRC BMP Type: Underground Detention Basin Stormwater BMP Manual Section: 6.4.3
Will the BMP Include Vegetation? ☐ Yes ☒ No
If Yes, Identify Proposed Vegetation: N/A
For Non-Vegetated BMPs Will There Be Pre- or Post-Treatment? ☒ Yes (Pre-) ☒ Yes (Post-) ☐ No
If Yes, Identify Proposed Pre- or Post-Treatment: Pre- and post treatment will consist of Water Quality inlets.
Name of Surface Water to Receive MRC BMP Discharges: Coplay Creek
Designated Use of Surface Water: MF=CWF Existing Use of Surface Water (if different): _____
Is the Surface Water Impaired? ☐ Yes ☒ No
If Yes, Identify Cause(s): Urban Runoff - Agricultural --- (Siltation)
Will the BMP have an impermeable liner? ☒ Yes ☐ No
If Yes, explain why a liner is proposed: No infiltration permitted due to site conditions
BMP Media Description: 30% Voids-sand/organic mixture (1' IWS) 40% void stone (#3) 4.00 feet depth
Are Any Deviations from MRC Design Standards Proposed? ☒ Yes ☐ No
Routed offsite through MRC - Appropriate rate adjustments made in hydrographs.
If Yes, Identify Deviations: _____

MRC BMP DESIGN VALUES AND STANDARDS

Parameter	Design Value	Design Standard
Actual Contributing Impervious Area to BMP (acres)	1.00	(on site)
Equivalent Contributing Impervious Area to BMP (acres)	0.74	
Total Drainage Area to BMP (acres)	1.18	Onsite to MRC
MRC BMP Release Rate (cfs)	0.01	No greater than 0.01 cfs / acre of equivalent contributing impervious
Underdrain Outflow Rate During 1.2-Inch/2-Hour Storm (cfs)	0.013	<= MRC BMP Release Rate (cfs)
Maximum Storm Event Routed to MRC BMP	100	