CITY OF CAMBRIDGE

PHOSPHORUS CONTROL PLAN YEAR 7 PERFORMANCE EVALUATION

Last Revised: September 16, 2025

PHOSPHORUS CONTROL PLAN: YEAR 7 PERFORMANCE EVALUATION

As required by the 2016 National Pollutant Discharge Elimination System General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) in Massachusetts (MS4 Permit), the City of Cambridge (the City) developed a Phase 1 Phosphorus Control Plan (PCP) to meet Charles River Watershed Phosphorus TMDL Requirements. The MS4 permit requires that permittees annually evaluate the effectiveness of the PCP by tracking the phosphorus reductions achieved through implementation of structural and non-structural best management practices (BMPs) and tracking increases in phosphorus loading resulting from development. This document serves as the City's PCP Year 7 Performance Evaluation.

1.1 CHANGES TO PHOSPHORUS LOAD DUE TO DEVELOPMENT

In Permit Year 6, the City used land use land cover data provided by EPA and the Charles River Watershed Association to calculate changes in phosphorus load due to development and incorporated these load calculations into the Phase 1 PCP. As a result of this analysis, the City submitted a memo requesting recalculation of Cambridge's baseline phosphorus load to EPA on October 3, 2023. The 2024 Draft MS4 General Permit included this updated baseline phosphorus load in Appendix F Table F-2. During Permit Year 6, the City also updated the current phosphorus load to account for separated areas not included in EPA's baseline load calculations (accounted for as "Permit Year 6 Additions to PCP Area" in Table 1 below).

During Permit Year 7, due to GIS mapping updates and active IDDE investigations, the City updated the PCP Implementation Area to include an additional 14.4 acres of separated areas not included in EPA's baseline load calculations. These areas contribute 19.2 pounds of phosphorus per year.

No additional calculations to determine increase in phosphorus loading due to development were completed in Permit Year 7. The City will calculate changes in phosphorus loading using updated land use land cover data when available, which is anticipated every 3-5 years.

Table 1. Summary of Current Phosphorus Load.

Load Description	**Phosphorus Load (lbs/yr)**
Baseline Load (2024 Draft MS4 Permit)	2,288
Changes Due to Development[1]	136
Permit Year 6 Additions to PCP Area	125
Permit Year 7 Additions to PCP Area	19
Current Phosphorus Load	**2,568**

[1] *Calculated in Permit Year 6 using 2021 Land Use data.*

1.2 NON-STRUCTURAL BMPS

The City continued implementation of an enhanced street sweeping program eligible for 8.5 lbs phosphorus removal per year under the 2016 MS4 Permit. During Permit Year 7, the City collected 1,300 tons of debris from street cleaning.

1.3 STRUCTURAL BMPS

1.3.1 City Owned BMPs

During Permit Year 7, the following BMPs were added to the City's BMP inventory (Appendix A) from completed City projects:

- One dry well/biofiltration area from the Cambridge Rindge and Latin School plaza project.
- Three (3) biofiltration areas, porous pavement and an underground infiltration system from the Binney Park project.
- One infiltration trench from the Lechmere Canal Park Improvements Project.
- Three (3) tree trenches and four (4) infiltration trenches from the Willard Street Drainage Improvement Project.
- Two (2) bio-basins from the City's most recent Chapter 90 roadway improvement projects.

The BMPs added to the PCP Inventory in Permit Year 7 will be included in the City's annual inspection program starting in Permit Year 8. The City continues to review projects for green infrastructure opportunities (Appendix B) and track completion of new BMPs as they are constructed.

Table 2 summarizes the phosphorus reduction credits from City-owned BMPs to date:

Table 2. Summary of City-owned BMPs

	Phosphorus Reduction (lb/yr)
BMPs Included in Phase 1 PCP	16.5
Year 6 Additions	280.1
Year 7 Additions	2.9
Total	**299.5**

1.3.2 Privately Owned BMPs

During Permit Year 7, the City added privately owned BMPs to the City's PCP inventory (Appendix A) for completed projects where as-builts have been received. This included three (3) Filterra tree box filters.

Several redevelopment projects that included BMPs were completed in Permit Year 7. Once the City receives as-builts, these BMPs will be added to the PCP inventory and incorporated into the Self-Certification program for annual inspections. The City continues to track the design and installation of BMPs through Stormwater Control Permits. Table 3 summarizes the phosphorus reduction credits from privately-owned BMPs to date.

Table 3. Summary of Privately-owned BMPs

	Phosphorus Reduction (lb/yr)
BMPs Included in Phase 1 PCP	90.3
Year 6 Additions	19.3
Year 7 Additions	0.1
Total	**109.7**

1.4 SUMMARY

Table 4 summarizes total phosphorus reduction to date compared to the City's required reduction target.

Table 4. Summary of Current Phosphorus Credits

	Phosphorus Load or Reduction (lbs/year)
Current Phosphorus Load	2,568
Phosphorus Reduction (Non-Structural BMPs)	8.5
Phosphorus Reduction (Structural BMPs)	409
Current Phosphorus Export Rate	**2,150**
Allowable Phosphorus Load[2]	869
Phosphorus Load Reduction Requirement[3]	1,419
Year 8 Target Export Rate[3]	2,004
Required Reduction Remaining to meet Year 8 Export Rate	**146**
Year 10 Target Export Rate[4]	1,933
Required Reduction Remaining to meet Year 10 Export Rate	**217**

During Permit Year 8, the City plans to:

- Continue implementation of the enhanced street cleaning program and tracking the mass of organic material collected from street cleaning during the fall versus non-fall months.
- Inspect City-owned BMPs included in the PCP inventory (Appendix A).
- Continue to evaluate City projects for stormwater treatment opportunities, track construction of BMPs as part of City projects and update the PCP inventory as needed.
- Continue evaluating feasibility and phosphorus reduction credits from sewer deflection devices.
- Continue to implement Self-Certification program for annual inspection of privately-owned BMPs.
- Continue to track construction of privately-owned BMPs and update the PCP inventory as needed.

Upon issuance of the next MS4 Permit and/or the Residual Designation permit, the City will evaluate and update the Phase I PCP as necessary to incorporate changes to baseline loads, required load reductions, and phosphorus credits for existing non-structural and structural BMPs as necessary.

[2] *Value from 2024 Draft MS4 Permit.*

[3] *Total Phosphorus Export Rate is equal to or less than Allowable Phosphorus Load plus Phosphorus Reduction Requirement multiplied by 0.80*

[4] *Total Phosphorus Export Rate is equal to or less than Allowable Phosphorus Load plus Phosphorus Reduction Requirement multiplied by 0.75*

Appendix A: City Owned BMPs

BMP ID	BMP Type	Storage Volume (ft^3)/ Filter Depth (in.)	Impervious Area Treated (ac)	Runoff Depth (in)	Phosphorus BMP Efficiency (%)	Phosphorus Load Reduction (lb/yr)	Year Added To Inventory	Date of Last Inspection	Date of Last Maintenance
D01UGS0061	INFILTRATION TRENCH	6463	1.08	1.65	98	1.89	Year 5	6/2/2025	
D07UGS0020	INFILTRATION TRENCH	11076	1.08	2.50	98	1.89	Year 5	6/2/2025	
D01UGS0037	INFILTRATION TRENCH	172	0.11	0.43	70	0.14	Year 5	5/29/2025	
D01UGS0036	INFILTRATION TRENCH	172	0.1	0.47	73	0.13	Year 5	5/30/2025	
D01UGS0038	INFILTRATION TRENCH	172	0.06	0.79	89	0.09	Year 5	4/25/2025	
D01UGS0039	INFILTRATION TRENCH	172	0.09	0.53	77	0.12	Year 5	4/25/2025	
D01UGS0040	INFILTRATION TRENCH	172	0.06	0.79	89	0.09	Year 5	4/25/2025	
D01UGS0041	INFILTRATION TRENCH	172	0.06	0.79	89	0.09	Year 5	4/25/2025	
D01UGS0042	INFILTRATION TRENCH	172	0.15	0.32	57	0.15	Year 5	6/3/2025	
D01UGS0043	INFILTRATION TRENCH	172	0.11	0.43	70	0.14	Year 5	4/25/2025	
D01UGS0044	INFILTRATION TRENCH	172	0.11	0.43	70	0.14	Year 5	4/25/2025	
D10PP0001	POROUS PAVEMENT	18	0.373	NA	62	0.46	Year 5	5/5/2025	
D07BB0003	BIOFILTRATION	9632	0.29	6.98	63	0.33	Year 5	6/2/2025	6/18/2025
D01BB0003	BIOFILTRATION	4036	0.06	8.55	63	0.07	Year 5	6/3/2025	
D17BB0001	BIOFILTRATION	200	0.05	1.10	53	0.06	Year 5	5/22/2025	6/18/2025
D01UGS0062	Rainwater Harvesting Tank	4010	1.56	0.71	40	1.11	Year 5	6/2/2025	
D19UGS0009/10	Rainwater Harvesting Tank	2673	0.87	0.85	72	1.12	Year 5	6/3/2025	
D19UGS0003	INFILTRATION TRENCH	1573	0.22	1.97	100	0.39	Year 5	5/22/2025	6/18/2025
D19UGS0006	INFILTRATION TRENCH	6748	0.93	2.00	100	1.66	Year 5	5/22/2025	
D19UGS0008	INFILTRATION TRENCH	7305	1.01	1.99	100	1.80	Year 5	5/22/2025	
D10UGS0002	INFILTRATION TRENCH	54	0.08	0.19	39	0.06	Year 5	6/3/2025	
D10UGS0003	INFILTRATION TRENCH	54	0.08	0.19	39	0.06	Year 5	6/3/2025	
D13UGS0001	INFILTRATION TRENCH	2205	0.9	0.67	77	1.60	Year 5	5/30/2025	
D13UGS0002	INFILTRATION TRENCH	788	0.3	0.72	79	0.55	Year 5	6/3/2025	
D13UGS0003	INFILTRATION TRENCH	3938	1.68	0.65	75	2.25	Year 5	6/3/2025	
D10TB0001	BIOFILTRATION	28	0.01	0.96	52	0.01	Year 5	5/30/2025	4/1/2025
D10TB0002	BIOFILTRATION	28	0.01	0.96	52	0.01	Year 5	5/30/2025	4/1/2025
D21UGS0018	INFILTRATION TRENCH	146	0.08	0.50	75	0.11	Year 5	6/3/2025	
D01UGS0092	EXTENDED DRY DETENTION POND	330	0.17	0.20	9	0.03	Year 6	5/8/2025	
135691	INFILTRATION TRENCH	604	0.34	0.49	85	0.67	Year 6	3/10/2025	
135692	INFILTRATION TRENCH	217	0.02	2.99	99	0.04	Year 6	3/10/2025	
135693	POROUS PAVEMENT	12	0.10	0.03	62	0.14	Year 6	3/10/2025	
135694	INFILTRATION TRENCH	976	0.44	0.61	91	0.79	Year 6	3/10/2025	
135695	INFILTRATION TRENCH	1092	0.28	1.07	98	0.54	Year 6	3/10/2025	
D01UGS0999*	INFILTRATION TRENCH	22	0.00	0.00	0	0.00	Year 6	5/8/2025	
D01UGS0998*	INFILTRATION TRENCH	19	0.00	0.00	0	0.00	Year 6	5/8/2025	
SD1 - Talbot	SEWER DEFLECTION		66.87	0.30	96	132.4	Year 6	6/30/2025	

Appendix A: City Owned BMPs

BMP ID	BMP Type	Storage Volume (ft^3)/ Filter Depth (in.)	Impervious Area Treated (ac)	Runoff Depth (in)	Phosphorus BMP Efficiency (%)	Phosphorus Load Reduction (lb/yr)	Year Added To Inventory	Date of Last Inspection	Date of Last Maintenance
SD2 - Endicott (S23SMH0020)	SEWER DEFLECTION		61.52	0.34	84	102.9	Year 6	6/30/2025	4/18/2023
D15IC0001	IMPERVIOUS AREA DISCONNECTION		0.07	NA	99	0.11	Year 6	6/3/2025	
D10IC0001	IMPERVIOUS AREA DISCONNECTION		0.19	NA	95	0.32	Year 6	6/3/2025	
D30IC0001	IMPERVIOUS AREA DISCONNECTION		0.06	NA	98	0.09	Year 6	6/3/2025	
D01IC0001	IMPERVIOUS AREA DISCONNECTION		0.14	NA	94	0.20	Year 6	6/2/2025	
137334	IMPERVIOUS AREA DISCONNECTION		30.6	NA	50	37.6	Year 6	6/3/2025	
Cemetery dry	INFILTRATION TRENCH	4990	3.5	0.39	73	4.33	Year 6	4/7/2025	
D21BB0001	BIOFILTRATION	425	0.10	1.16	99	0.18	Year 7		
141238	BIOFILTRATION	430	0.19	0.62	44	0.16	Year 7		
141237	BIOFILTRATION	400	0.14	0.77	47	0.13	Year 7		
141239	BIOFILTRATION	300	0.12	0.67	45	0.11	Year 7		
D01UGS0094	INFILTRATION TRENCH	1377	0.13	2.91	99	0.72	Year 7		
141961	POROUS PAVEMENT	12	0.23	NA	62	0.25	Year 7		
142371	INFILTRATION TRENCH	1622	0.16	2.78	100	0.29	Year 7		
142375	INFILTRATION TRENCH	241	0.06	1.11	98	0.14	Year 7		
138617	INFILTRATION TRENCH	308	0.06	1.37	99	0.14	Year 7		
138616	INFILTRATION TRENCH	169	0.03	1.35	99	0.08	Year 7		
142376	INFILTRATION TRENCH	540	0.06	2.63	100	0.13	Year 7		
142377	INFILTRATION TRENCH	1008	0.05	5.50	100	0.12	Year 7		
142378	INFILTRATION TRENCH	1107	0.06	4.92	100	0.14	Year 7		
142379	INFILTRATION TRENCH	792	0.05	4.75	100	0.11	Year 7		
D15BB0001	BIOFILTRATION	167	0.11	0.40	37	0.10	Year 7		
D07BB0004	BIOFILTRATION	330	0.09	1.04	53	0.11	Year 7		

*BMP only treats pervious area so runoff depth is 0 following Appendix F methodology.

Appendix A: Privately Owned BMPs

BMP ID	BMP Type	Storage Volume (ft^3)/ Filter Depth (in.)	Impervious Area Treated (ac)	Runoff Depth (in)	Phosphorus BMP Efficiency (%)	Phosphorus Load Reduction (lb/yr)	Year Added To Inventory	Date of Last Inspection	Date of Last Maintenance
D03BB0001	BIOFILTRATION	653	0.01	0.80	63	0.01	Year 5	4/29/2025	4/29/2025
D31UGS0014	INFILTRATION TRENCH	87	0.01	2.40	92	0.01	Year 5	7/2/2025	
D31UGS0022	INFILTRATION TRENCH	87	0.01	2.40	92	0.01	Year 5	7/2/2025	
D31UGS0015	INFILTRATION TRENCH	87	0.01	2.40	92	0.01	Year 5	7/2/2025	
D31UGS0024/D31UGS0025	INFILTRATION TRENCH	133.6	0.03	1.23	92	0.04	Year 5	4/29/2025	3/10/2025
D16UGS0003	INFILTRATION TRENCH	67	0.02	0.92	94	0.04	Year 5	6/1/2025	
D16UGS0004	INFILTRATION TRENCH	67	0.02	0.92	94	0.04	Year 5	4/4/2025	
D08UGS0020	INFILTRATION TRENCH	134	0.03	1.23	93	0.05	Year 5	10/3/2024	10/3/2025
D03TF0008	BIOFILTRATION	547	0.05	1.64	63	0.06	Year 5	4/16/2025	4/1/2025
D21UGS0014	INFILTRATION TRENCH	960	0.03	8.26	95	0.07	Year 5		
D21UGS0011	INFILTRATION TRENCH	944	0.03	8.13	95	0.07	Year 5		
D21UGS0012	INFILTRATION TRENCH	425	0.03	3.66	95	0.07	Year 5		
D21UGS0013	INFILTRATION TRENCH	510	0.03	4.39	95	0.07	Year 5		
D07UGS0008	INFILTRATION TRENCH	348	0.04	2.28	99	0.07	Year 5	4/3/2025	
D08UGS0018	INFILTRATION TRENCH	134	0.06	0.62	74	0.08	Year 5	1/4/2025	4/4/2025
D08UGS0019	INFILTRATION TRENCH	134	0.06	0.62	74	0.08	Year 5	1/4/2025	1/4/2025
D10UGS0021	INFILTRATION TRENCH	229	0.05	1.24	96	0.09	Year 5		
D03TF0005	BIOFILTRATION	496	0.09	1.55	59	0.09	Year 5	4/16/2025	4/1/2025
D31UGS0008	INFILTRATION TRENCH	66	0.05	0.36	84	0.10	Year 5	3/30/2025	10/28/2024
D03TF0009	BIOFILTRATION	314	0.12	0.69	46	0.10	Year 5	4/16/2025	4/1/2025
D07UGS0014	INFILTRATION TRENCH	697	0.06	3.20	99	0.11	Year 5	3/27/2025	3/27/2025
D31UGS0007	INFILTRATION TRENCH	86	0.05	0.46	91	0.11	Year 5	3/30/2025	12/11/2024
D31UGS0010	INFILTRATION TRENCH	457	0.06	2.10	92	0.11	Year 5	4/30/2025	
D16UGS0005	INFILTRATION TRENCH	179	0.05	1.01	96	0.11	Year 5	5/1/2025	4/19/2025
D08UGS0037	INFILTRATION TRENCH	6793	0.07	28.35	94	1.57	Year 5		
D03TF0006	BIOFILTRATION	405	0.12	0.89	51	0.11	Year 5	4/16/2025	4/1/2025
D08UGS0038	INFILTRATION TRENCH	912	0.07	3.59	93	0.12	Year 5		
D03TF0010	BIOFILTRATION	587	0.06	1.04	58	0.12	Year 5	4/16/2025	4/1/2025

Appendix A: Privately Owned BMPs

BMP ID	BMP Type	Storage Volume (ft^3)/ Filter Depth (in.)	Impervious Area Treated (ac)	Runoff Depth (in)	Phosphorus BMP Efficiency (%)	Phosphorus Load Reduction (lb/yr)	Year Added To Inventory	Date of Last Inspection	Date of Last Maintenance
D03TF0003	BIOFILTRATION	385	0.15	0.68	46	0.13	Year 5	4/16/2025	4/1/2025
D21UGS0017	Rainwater Harvesting Tank	668	0.16	1.15	40	0.13	Year 5	4/16/2025	
D07UGS0006	INFILTRATION TRENCH	648	0.08	2.23	92	0.13	Year 5	4/3/2025	
D21UGS0016	INFILTRATION TRENCH	292	0.08	1.01	90	0.14	Year 5	4/16/2025	
D10UGS0065	INFILTRATION TRENCH	392	0.10	1.05	94	0.17	Year 5	9/18/2024	
D03TF0001	BIOFILTRATION	840	0.18	0.96	56	0.18	Year 5	4/16/2025	4/1/2025
D08UGS0024	INFILTRATION TRENCH	1175	0.11	2.84	92	0.19	Year 5	4/8/2025	3/3/2025
D31UGS0011	INFILTRATION TRENCH	320	0.09	0.94	88	0.19	Year 5	4/22/2025	4/22/2025
D31UGS0009	INFILTRATION TRENCH	628	0.10	1.73	98	0.19	Year 5	4/30/2025	
D03TF0002	BIOFILTRATION	668	0.24	0.72	48	0.20	Year 5	4/16/2025	4/1/2025
D07UGS0005	INFILTRATION TRENCH	1075	0.14	2.10	92	0.23	Year 5	4/3/2025	
D07UGS0004	INFILTRATION TRENCH	823	0.14	1.65	98	0.24	Year 5	3/14/2025	3/14/2025
D03TF0007	BIOFILTRATION	942	0.26	0.99	53	0.24	Year 5	4/16/2025	4/1/2025
D03TF0011	BIOFILTRATION	608	0.32	0.41	41	0.24	Year 5	4/16/2025	4/1/2025
D03TF0004	BIOFILTRATION	1002	0.29	0.89	52	0.27	Year 5	4/16/2025	4/1/2025
D08UGS0027	INFILTRATION TRENCH	473	0.25	0.52	67	0.30	Year 5	4/14/2025	4/14/2025
D02UGS0002	INFILTRATION TRENCH	590	0.21	0.77	82	0.31	Year 5	5/1/2025	
D10UGS0060	INFILTRATION TRENCH	652	0.19	0.62	97	0.33	Year 5	5/2/2025	
D10UGS0066	INFILTRATION TRENCH	1350	0.19	1.96	99	0.33	Year 5	9/18/2024	
D06UGS0001	EXTENDED DRY DETENTION POND	12720	1.74	2.01	14	0.43	Year 5		
D12UGS0007	INFILTRATION TRENCH	704	0.23	0.84	85	0.45	Year 5		
D31UGS0013	INFILTRATION TRENCH	1276	0.26	1.35	95	0.48	Year 5	4/29/2025	4/7/2025
D03UGS0044	Rainwater Harvesting Tank	1320	0.70	0.52	40	0.50	Year 5	4/29/2025	4/29/2025
D24UGS0011	INFILTRATION TRENCH	1637	0.24	1.88	99	0.55	Year 5	4/16/2025	
D31UGS0001	INFILTRATION TRENCH	1320	0.25	1.45	96	0.56	Year 5	9/24/2024	
D02USG0008	INFILTRATION TRENCH	523	0.73	0.20	47	0.60	Year 5	4/15/2025	4/15/2025
D08UGS0032	INFILTRATION TRENCH	2091	0.38	0.00	100	0.68	Year 5	3/31/2025	
D10UGS0067	INFILTRATION TRENCH	1700	0.40	1.17	95	0.68	Year 5	9/18/2024	
D10UGS0019	INFILTRATION TRENCH	1727	0.40	1.18	95	0.69	Year 5		

Appendix A: Privately Owned BMPs

BMP ID	BMP Type	Storage Volume (ft^3)/ Filter Depth (in.)	Impervious Area Treated (ac)	Runoff Depth (in)	Phosphorus BMP Efficiency (%)	Phosphorus Load Reduction (lb/yr)	Year Added To Inventory	Date of Last Inspection	Date of Last Maintenance
D03UGS0039	Rainwater Harvesting Tank	2807.3	0.93	0.83	40	0.73	Year 5	4/28/2025	
D01UGS0057	INFILTRATION TRENCH	3045	0.33	2.51	95	0.74	Year 5	4/14/2025	4/14/2025
D20UGS0006	INFILTRATION TRENCH	1600	0.34	1.30	94	0.74	Year 5	4/16/2025	
D02USG0005	INFILTRATION TRENCH	1002	0.53	0.52	81	0.76	Year 5	4/15/2025	4/15/2025
D10UGS0068	INFILTRATION TRENCH	4008	0.50	2.21	95	0.85	Year 5	9/18/2024	
D03UGS0050	INFILTRATION TRENCH	884	0.90	0.27	96	0.40	Year 5		
D07UGS0013	INFILTRATION TRENCH	2091	0.61	0.94	98	1.06	Year 5	3/27/2025	3/27/2025
D21UGS0015	INFILTRATION BASIN	862	0.96	0.25	65	1.11	Year 5	6/9/2025	3/10/2025
D01UGS0017	INFILTRATION TRENCH	11582	0.54	5.91	92	1.15	Year 5	7/5/2025	
D03UGS0049	INFILTRATION TRENCH	2547	0.70	1.00	96	1.20	Year 5	4/29/2025	4/29/2025
D08UGS0030	INFILTRATION TRENCH	2297	0.86	0.74	80	1.22	Year 5	4/14/2025	4/14/2025
D10UGS0007	INFILTRATION TRENCH	3528	0.53	1.82	100	1.23	Year 5	9/26/2024	
D07UGS0007	INFILTRATION TRENCH	4966	0.79	1.74	100	1.40	Year 5	3/14/2025	3/14/2025
D03UGS0040	INFILTRATION TRENCH	3424	0.62	1.53	99	1.42	Year 5	4/29/2025	4/29/2025
D08UGS0017	INFILTRATION TRENCH	1239	1.90	0.18	43	1.45	Year 5	3/29/2025	3/29/2025
D10UGS0010	INFILTRATION TRENCH	1699	0.76	0.62	86	1.52	Year 5	9/26/2024	
D01UGS0048	INFILTRATION TRENCH	3870	0.93	1.15	92	1.52	Year 5	4/15/2025	4/14/2025
D01UGS0086	INFILTRATION TRENCH	1811	0.96	0.52	76	1.70	Year 5	4/16/2025	4/16/2025
D10UGS0069	INFILTRATION TRENCH	6950	1.01	1.90	99	1.77	Year 5		
D01UGS0070	INFILTRATION TRENCH	3250	0.90	0.99	96	2.00	Year 5		
D01UGS0049	INFILTRATION TRENCH	4863	1.46	0.92	87	2.26	Year 5	4/15/2025	4/15/2025
D03UGS0043	INFILTRATION TRENCH	6253	1.11	1.55	99	2.56	Year 5	4/29/2025	4/29/2025
D03UGS0027	INFILTRATION TRENCH	13079	2.42	1.49	78	3.13	Year 5	3/11/2025	3/11/2025
D01UGS0048/0049	INFILTRATION TRENCH	6046	2.28	0.73	94	3.83	Year 5	4/15/2025	4/15/2025
D03WP0001	WET POND/CREATED WETLAND	18018	0.30	1.38	57	3.98	Year 5	4/16/2025	4/1/2025
D08UGS0016	INFILTRATION TRENCH	4177	6.33	0.18	43	4.89	Year 5	3/29/2025	3/29/2025
D01UGS0069	INFILTRATION TRENCH	8500	2.34	1.00	96	5.21	Year 5		
D03UGS0035	INFILTRATION TRENCH	14478	5.18	0.77	91	8.40	Year 5	3/18/2025	3/18/2025

Appendix A: Privately Owned BMPs

BMP ID	BMP Type	Storage Volume (ft^3)/ Filter Depth (in.)	Impervious Area Treated (ac)	Runoff Depth (in)	Phosphorus BMP Efficiency (%)	Phosphorus Load Reduction (lb/yr)	Year Added To Inventory	Date of Last Inspection	Date of Last Maintenance
D03UGS0037,D03UGS0038 & D03UGS0039	INFILTRATION TRENCH	5548	1.09	1.40	98	8.95	Year 5	3/18/2025	3/18/2025
D03UGS0028	INFILTRATION TRENCH	18832	6.32	0.82	84	9.42	Year 5	3/11/2025	3/11/2025
D21CBN1660	INFILTRATION TRENCH	550	0.09	1.68	100	0.16	Year 6	9/19/2024	
D21CBN1666	INFILTRATION TRENCH	550	0.08	1.89	100	0.14	Year 6	9/19/2024	
D21CBN1655	INFILTRATION TRENCH	550	0.10	1.52	100	0.18	Year 6	9/19/2024	
D21CBN1663	INFILTRATION TRENCH	550	0.02	7.58	99	0.04	Year 6	9/19/2024	
D21UGS0020	INFILTRATION TRENCH	2857	0.18	3.03	99	0.32	Year 6	6/30/2025	
D21CBN1668	INFILTRATION TRENCH	550	0.07	2.16	99	0.12	Year 6	9/18/2024	
D31UGS0028	INFILTRATION TRENCH	3328	0.17	5.39	97	0.29	Year 6	9/24/2024	
D24UGS0005	INFILTRATION TRENCH	15687	0.90	4.80	97	1.55	Year 6	9/18/2024	
D10BB0001	ENHANCED BIOFILTRATION	111	0.13	0.17	27	0.06	Year 6	12/24/2024	12/24/2024
D12BB0001	ENHANCED BIOFILTRATION	102	0.10	0.22	30	0.05	Year 6	12/24/2024	12/24/2024
D10PP0003	POROUS PAVEMENT	12	0.05	0.07	62	0.06	Year 6	11/18/2024	11/18/2024
D05UGS0005	ENHANCED BIOFILTRATION	250	0.05	0.86	57	0.05	Year 6		
D05UGS0006	ENHANCED BIOFILTRATION	250	0.05	0.86	57	0.05	Year 6		
D10UGS0072	POROUS PAVEMENT	12	0.64	0.01	62	0.71	Year 6		
D08UGS0041	INFILTRATION TRENCH	640	0.24	0.73	90	0.38	Year 6	5/1/2024	
D01UGS0091	INFILTRATION TRENCH	640	0.26	0.68	88	0.41	Year 6	9/18/2024	
D06UGS0002	ENHANCED BIOFILTRATION	28000	2.98	2.59	63	3.34	Year 6	9/23/2024	
D12UGS0019	INFILTRATION TRENCH	134	0.05	0.74	90	0.08	Year 6		
D12UGS0020	INFILTRATION TRENCH	5227	0.64	2.25	97	1.10	Year 6		
D07CBN0080	INFILTRATION TRENCH	279	0.02	3.84	99	0.04	Year 6	3/27/2025	3/27/2025
D07CBN0081	INFILTRATION TRENCH	279	0.02	3.84	99	0.04	Year 6	3/27/2025	3/27/2025
D01UGS0078	INFILTRATION TRENCH	2000	0.09	6.12	97	0.15	Year 6	4/14/2025	4/14/2025
D01UGS0079	INFILTRATION TRENCH	2000	0.09	6.12	97	0.15	Year 6	4/14/2025	4/14/2025
D01UGS0080	INFILTRATION TRENCH	2000	0.09	6.12	97	0.15	Year 6	4/14/2025	4/14/2025
D01UGS0081	INFILTRATION TRENCH	2000	0.09	6.12	97	0.15	Year 6	4/14/2025	4/14/2025

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BMP ID	BMP Type	Storage Volume (ft^3)/ Filter Depth (in.)	Impervious Area Treated (ac)	Runoff Depth (in)	Phosphorus BMP Efficiency (%)	Phosphorus Load Reduction (lb/yr)	Year Added To Inventory	Date of Last Inspection	Date of Last Maintenance
D31UGS0026	INFILTRATION TRENCH	93	0.01	2.56	99	0.02	Year 6	4/25/2025	10/29/2024
D31UGS0027	INFILTRATION TRENCH	454	0.08	1.56	100	0.14	Year 6	4/25/2025	10/29/2024
D01UGS0077	INFILTRATION TRENCH	1536	0.23	1.84	100	0.41	Year 6	4/18/2025	4/18/2025
D03UGS0036	INFILTRATION TRENCH	6167	0.50	3.40	97	0.86	Year 6	3/18/2025	3/18/2025
D03UGS0037	INFILTRATION TRENCH	4294	0.70	1.69	99	1.24	Year 6	3/18/2025	3/18/2025
D03UGS0038	INFILTRATION TRENCH	2447	0.40	1.69	99	0.71	Year 6	3/18/2025	3/18/2025
D12UGS0005	INFILTRATION TRENCH	699	1.00	0.19	46	0.81	Year 6	1/4/2025	1/4/2025
D21UGS0010	Rainwater Harvesting Tank	2000	0.35	1.56	40	0.25	Year 6	9/30/2024	
D25UGS0003/D25UGS0004	Rainwater Harvesting Tank	6684	0.65	2.81	40	0.47	Year 6	4/15/2025	
D05UGS0011	Rainwater Harvesting Tank	26736	4.13	1.78	40	2.94	Year 6	4/3/2025	10/1/2024
D03UGS0051	Cistern	2673	0.51	1.46	40	0.47	Year 6		
D03UGS0052	Cistern	2673	0.51	1.46	40	0.47	Year 6		
D03UGS0053	Cistern	935	0.31	0.83	40	0.29	Year 6		
D07UGS0021	Rainwater Harvesting Tank	4144	0.62	1.83	40	0.44	Year 5	3/27/2025	3/27/2025
D03UGS0042	Rainwater Harvesting Tank	1336	0.71	0.52	40	0.43	Year 6	4/29/2025	4/29/2025
D03UGS0068	BIOFILTRATION	43	0.31	0.04	5	0.03	Year 7	2/25/2025	
D03UGS0067	BIOFILTRATION	43	0.24	0.05	7	0.03	Year 7	2/25/2025	
D03UGS0069	BIOFILTRATION	43	0.15	0.08	11	0.03	Year 7	2/25/2025	