

Catch Basin Cleaning Optimization Plan

Introduction

This Catch Basin Maintenance Plan has been developed by the Town of Milton to address the requirements of the United States Environmental Protection Agency's (USEPA's) 2016 National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) in Massachusetts, hereafter referred to as the "2016 Massachusetts MS4 Permit" or "MS4 Permit."

The major requirement of the permit is that catch basins should be inspected and cleaned with a frequency such that no catch basin sump should be more than 50% full at a given time. This requirement ensures that catch basins function effectively to filter sediment from stormwater before it enters the town's water bodies.

Tracking

Each catch basin in the Town's MS4 is documented in Milton's GIS system. The system allows office and field staff to input, edit, view, and maintain inspection data for each catch basin within the system. The Town of Milton also uses the system to log each cleaning and the amount of material removed during each cleaning. Each catch basin has an ID number to ensure correct recording of data.

Optimization Plan

All catch basins in Milton are scheduled to be cleaned once every three years at minimum. During inspection, Town staff log inspection and cleaning, track the catch basins' condition, and report the amount of sediment removed during each cleaning. A sample catch basin inspection form is included at the end of this document.

Catch basins which are found to be more than 50% full at the time of cleaning are added to a priority list. Catch basins on this list are checked yearly for sediment level. Other catch basins may be placed on the priority list if they have known issues with sediment collection or receive frequent reports from residents. This priority list, organized by catch basin ID number, follows on the next page.

Town of Milton – Catch basins to be inspected/cleaned annually

8	657	947	1204	1585	1790	2217	2697	2936	3106	3475	3705
10	663	983	1205	1597	1791	2294	2698	2938	3107	3476	3713
11	672	999	1213	1598	1792	2299	2699	2939	3108	3482	3714
33	674	1000	1217	1601	1793	2300	2700	2940	3110	3492	3775
61	675	1006	1227	1606	1794	2302	2701	2941	3115	3505	3785
88	676	1015	1239	1607	1798	2323	2762	2943	3116	3511	3789
102	677	1023	1247	1608	1802	2326	2770	2944	3119	3512	3801
103	679	1024	1261	1609	1806	2338	2788	2949	3120	3513	3803
165	680	1025	1266	1610	1807	2354	2789	2962	3121	3514	3810
178	681	1026	1269	1611	1808	2356	2791	2963	3124	3516	3836
233	683	1047	1270	1616	1809	2359	2793	2965	3130	3517	3840
243	684	1052	1286	1617	1812	2361	2795	2967	3137	3522	3846
260	690	1062	1288	1619	1813	2395	2801	2968	3145	3551	3851
261	692	1066	1290	1621	1817	2396	2802	2973	3164	3552	3879
270	693	1071	1297	1626	1821	2559	2803	2990	3165	3554	3883
274	698	1072	1301	1628	1822	2563	2804	2991	3168	3579	3884
289	699	1073	1302	1629	1830	2569	2806	2992	3171	3591	3885
296	700	1074	1304	1630	1832	2570	2807	2994	3177	3592	3887
305	702	1075	1305	1631	1853	2573	2809	2997	3178	3597	3892
315	703	1077	1306	1632	1856	2577	2811	3000	3185	3599	3893
318	704	1079	1312	1633	1857	2578	2812	3002	3198	3604	3901
319	706	1081	1333	1634	1859	2584	2813	3003	3217	3606	3910
320	722	1085	1336	1636	1860	2586	2815	3004	3223	3610	3913
334	732	1086	1337	1637	1869	2599	2822	3006	3226	3612	3923
344	735	1087	1342	1639	1870	2604	2837	3007	3233	3613	3928
345	745	1089	1343	1640	1883	2605	2838	3008	3242	3618	3940
363	767	1090	1344	1641	1892	2616	2851	3009	3244	3620	3956
423	780	1091	1354	1648	1909	2631	2866	3010	3245	3621	3957
426	782	1098	1357	1653	1924	2636	2872	3013	3247	3629	3964
427	795	1099	1359	1669	1925	2639	2873	3014	3250	3633	3995
478	797	1100	1360	1670	1938	2645	2874	3038	3252	3639	3997
492	799	1101	1363	1684	1961	2652	2875	3053	3259	3641	4021
498	800	1107	1364	1729	1990	2653	2877	3054	3275	3642	4036
557	811	1108	1371	1732	1991	2658	2878	3069	3281	3645	4870
581	814	1109	1383	1733	2009	2661	2884	3070	3287	3653	4871
595	817	1110	1384	1734	2010	2663	2885	3073	3292	3654	4872
598	830	1111	1385	1755	2021	2664	2905	3074	3293	3655	4873
601	832	1115	1387	1756	2023	2665	2917	3075	3296	3664	12609
602	841	1118	1455	1758	2024	2670	2918	3076	3299	3665	19044
606	842	1142	1464	1759	2026	2671	2919	3077	3362	3676	
607	844	1145	1517	1760	2052	2672	2920	3078	3401	3681	
613	850	1157	1520	1767	2055	2673	2922	3081	3406	3682	
621	864	1158	1527	1769	2068	2676	2923	3085	3454	3685	
624	884	1164	1529	1770	2095	2686	2929	3086	3463	3686	
625	888	1165	1535	1776	2096	2692	2931	3087	3468	3689	
637	896	1167	1560	1785	2187	2693	2932	3103	3472	3690	
641	897	1202	1576	1786	2197	2694	2934	3105	3473	3696	

sw CB Inspection Form

Catch Basin Number

Catch Basin ID

CB Inspection Number

Time of Inspection

_____ [] AM [] PM

Date of Inspection

Year _____ / Day _____ / Month _____

Name of Inspector Please select only one option

[] Dean

[] Other

Nearest Address (optional)

Is the Map Accurate? (if "NO" contact gis)

[] Yes

[] No

Comments for GIS Issue

Weather Condition

- ☐ Dry
- ☐ Wet

Structure Condition

- ☐ Good
- ☐ Fair
- ☐ Repair Needed - generate a service request

Frame Condition

- ☐ Good
- ☐ Worn
- ☐ Broken - generate a service request
- ☐ Sunken - generate a service request

Grate Condition

- ☐ Good
- ☐ Worn
- ☐ Broken - generate a service request
- ☐ Missing - generate a service request

Hood

- ☐ Yes
- ☐ No - generate a service request
- ☐ No - Never Had One

Depth of Sump (feet)

Depth of Lateral (feet)

Does Basin have a Bottom?

- ☐ Yes
☐ No - generate a service request

Comments

Does the Catch Basin Require Cleaning?

- ☐ Yes
☐ No

Number of Scoops of Sediment Removed (scoop = 1.3 cubic feet)

Volume of Sediment Removed by Number of Scoops (cubic feet)

What is the Service Request for?

- ☐ For a Catch Basin
☐ For a DPW Related Problem

Was a Service Request Generated?

- ☐ Yes
☐ No