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City of Burlington
A Great Place to Live, Work and Play

Deborah Quade
Field Office #6 Supervisor
Iowa Department of Natural Resources
1023 W. Madison St.
Washington, Iowa 52353

DOCUMENT INFORMATION

Reference Documents:	NPDES# 8156001 Consent Order No. 2007-WW-22-A4 (specifically item #9)
Document Name:	Cascade Watershed CSO Elimination Phase II - Completion Notice
Document Date:	1 May 2017

Dear Ms. Quade,

I am writing to inform you that as of April 21st, 2017, the Cascade Watershed has been successfully separated in accordance with our consent order agreement. The contractor continues to work on site restoration, which is anticipated to be complete no later than 31 May 2017.

The overall MASL Separation is also progressing, we anticipate that construction will commence in the Locust sub basin either this fall or early next spring. I will continue to provide updates as specified in the consent order, along with status updates during major milestones within the overall effort. If you have any questions or concerns please feel free to call or email the undersigned.

Sincerely,

Jesse Howe, P.E.
City Engineer

cc: Nick MacGregor - Public Works Director
Bob Wright – Engineering Manager
Terry Jones
Jeff Thomann
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Preparation for the overall separation effort in MASL is also progressing. HR green is gathering data in the South Basin in preparation for funding applications, and historical/environmental evaluations are in process throughout the entire MASL area. The schedule below indicates the expected timeline required in order to comply with our consent order. Upon completion of the Locust basin this schedule will be further evaluated to examine its feasibility from the perspective of timeliness and financial constraints.

Phase #	Area to be separated	Description of Work to be Completed	Year Construction Complete	Length of new sewer	Project Cost ($MM)	# CSO remain	Overflow Vol Separated	CSOs eliminated
0	Start						43.9	
1	Locust	Separation	2018	19000		4	42.3	Locust
2	South	Separation A	2019	25000		3	36.45	
3	South	Separation B	2020	25000		3	30.6	South
4	Angular	Separation A	2021	25000		2	26.15	
5	Angular	Separation B	2022	25000		2	21.7	Angular
6	Market	Separation A	2023	40000		1	10.85	
7	Market	Separation B	2024	40000		0	0	Market
8	Market	Upgrade PS and Plant for additional flow	2025			0	0	
9	South	Equalization (if necessary)	2026			0	0	
10	Mark/Ang	Equalization (if necessary)	2027			0	0	

On a related note, the City is in the process of obtaining flow meters to better understand maintenance needs in the watersheds that have already been separated. Once identified these maintenance efforts should contribute to a smaller equalization tank required for the market street lift station.

I will continue to provide updates as specified in the consent order, along with status updates during major milestones within the overall effort. If you have any questions or concerns please feel free to call or email the undersigned.

Sincerely,

Jesse Howe, P.E.
City Engineer

cc: Jim Ferneau – City Manager
Nick MacGregor - Public Works Director
Bob Wright – Engineering Manager
Terry Jones
Jeff Thomann
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