

City of Osseo
Stormwater Management Plan Supplement 2018-1

*Amending the City of Osseo Stormwater Management Plan
of April 2015*



The City of Osseo Stormwater Management Plan of April 2015¹ is hereby amended as follows:

Section 1.1 INTRODUCTION

- Page 9: The following text is inserted after, “It has been recognized that regulatory agencies can achieve common goals by joining together to combine already scarce financial and regulatory resources.”
 - *The City of Osseo currently receives its potable water supply from the City of Maple Grove. The City also sells water to the City of Brooklyn Park for a small number of businesses located southeast of Osseo along Aspen Lane.*

Section 1.2 PHYSICAL ENVIRONMENT

- Page 12: Existing and Year 2030 Land Use maps and classifications are updated with Existing and Year **2040** Land Use maps and classifications, as shown on pages 3-6 of this Supplement.

Section 1.3 GOALS AND POLICIES –

GOAL 2: WATER QUALITY

- Page 16: The phrase “*E. coli bacteria*” is inserted after “biotic integrity” in the sentence, “Shingle Creek is listed as an Impaired Water for biotic integrity, chloride and dissolved oxygen.”
- Page 16: The following text is inserted after, “Osseo is expected to implement the Best Management Practices (BMPs) identified in the implementation plan to attain that reduction.”
 - *The Bacteria Implementation Plan calls for a 69 percent overall target reduction in E. coli by stakeholders. Osseo will work to implement the Best Management Practices (BMPs) identified in the implementation plan to help attain that reduction as well.*
- Page 17: The following text is inserted after Policy 2.9:
 - **Policy 2.10**
Identify and implement BMPs in support of the Shingle Creek Bacteria TMDL, in accordance with NPDES Phase II permit requirements.

GOAL 7: PUBLIC PARTICIPATION, INFORMATION & EDUCATION

- Page 23: Website Availability is updated to replace www.ci.osseo.mn.us with www.discoverosseo.com.

¹ Marcus A Thomas, P.E. 2015. "Storm Water." DiscoverOsseo.com. April. Accessed November 11, 2018. http://www.discoverosseo.com/files/7115/0212/4726/Surface_Water_Management_Plan_-_Osseo.pdf.

Section 3.3 WATER QUALITY

- Page 51: The following text is inserted after, “...decrease in the amount of salt applied in the watershed to meet state and federal water quality standards in Shingle Creek.”
 - *The Upper Mississippi Bacteria TMDL also establishes a TMDL for Shingle Creek. General strategies identified for reducing bacteria include identifying and monitoring sources; meeting (or enacting as necessary) federal, state, and local requirements; conducting education and outreach to residents on ways to reduce bacteria; implementing BMPs that limit the introduction of bacteria; and implementing BMPs that reduce bacteria loading to waters.*

Section 4.3 OBJECTIVE B: IMPROVE WATER QUALITY

- Page 73: Action 3 is updated to remove the phrase “over 5 acres” in accordance with WMO requirements.
- Pages 76 – 78: The Implementation Plan is updated with a revised Implementation Plan 2019-2028, as shown on page 7 of this Supplement.
- Page 80: The following text is removed:
 - *There are no current plans to increase the storm water utility rate structure, however the utility fee will be evaluated on an annual basis and adjusted at the discretion of the City Council.*
- Page 80: The following text replaces the removed text:
 - *The City of Osseo is conducting a Utility Rate Study, to include the Stormwater Utility Rate, in 2018. Possible changes to the fund are expected to be considered by the City Council during the winter of 2018-2019. Future rates may be adjusted at the Council’s discretion.*

Section 4.8 AMENDMENTS TO THIS PLAN

- Page 81: The following text is inserted after, “As adopted, the plan is valid until such time as Osseo is required to, or finds it necessary to, review and amend the Comprehensive Plan in its entirety.”
 - *As part of a future, comprehensive review and update of this plan, Osseo may consider strategies including infiltration and water reuse, both for redevelopment and as part of City infrastructure projects. These strategies may be especially effective in areas where traditional ponds are not viable.*

FIGURE 2018-1 EXISTING LAND USE

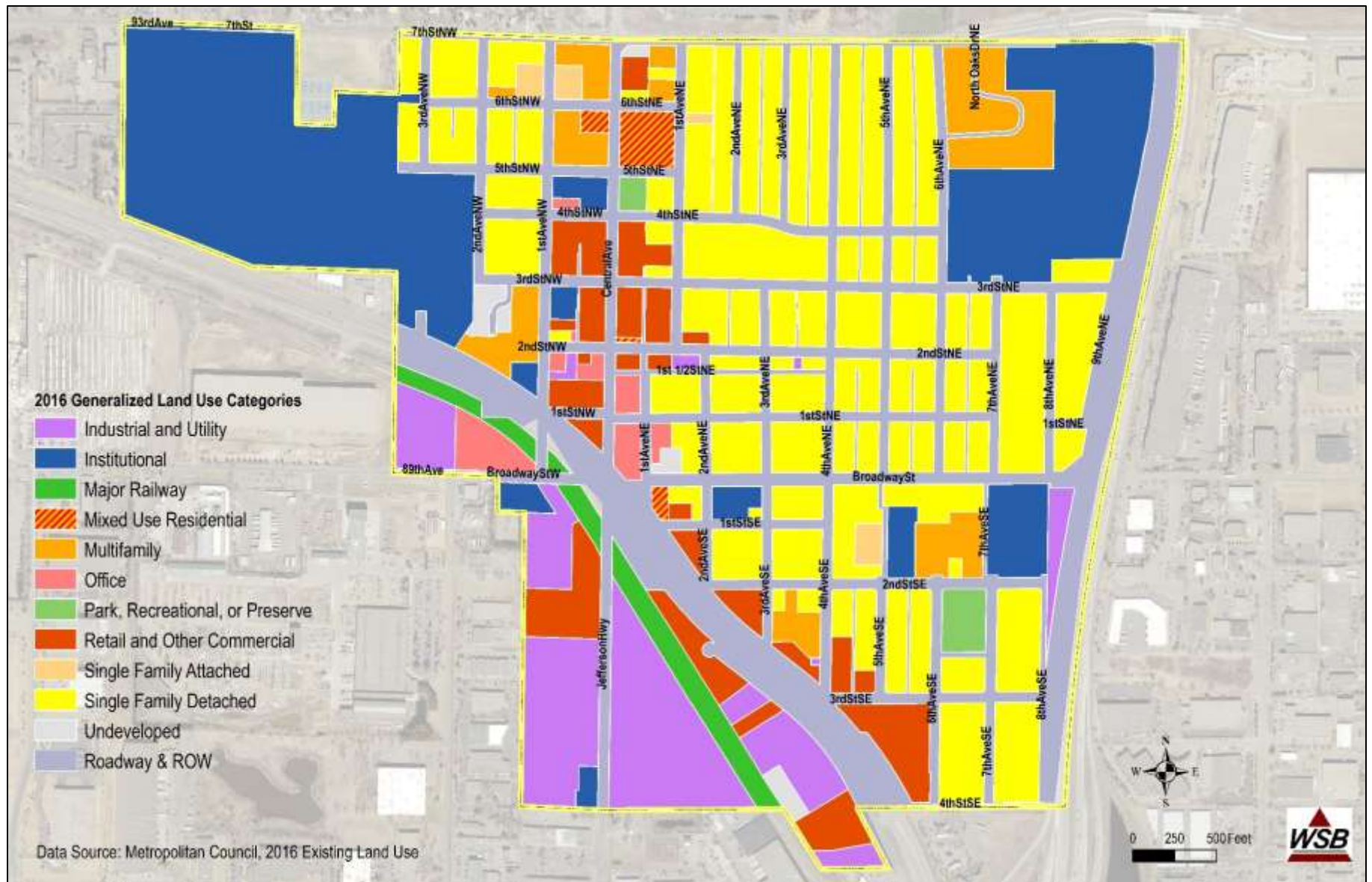
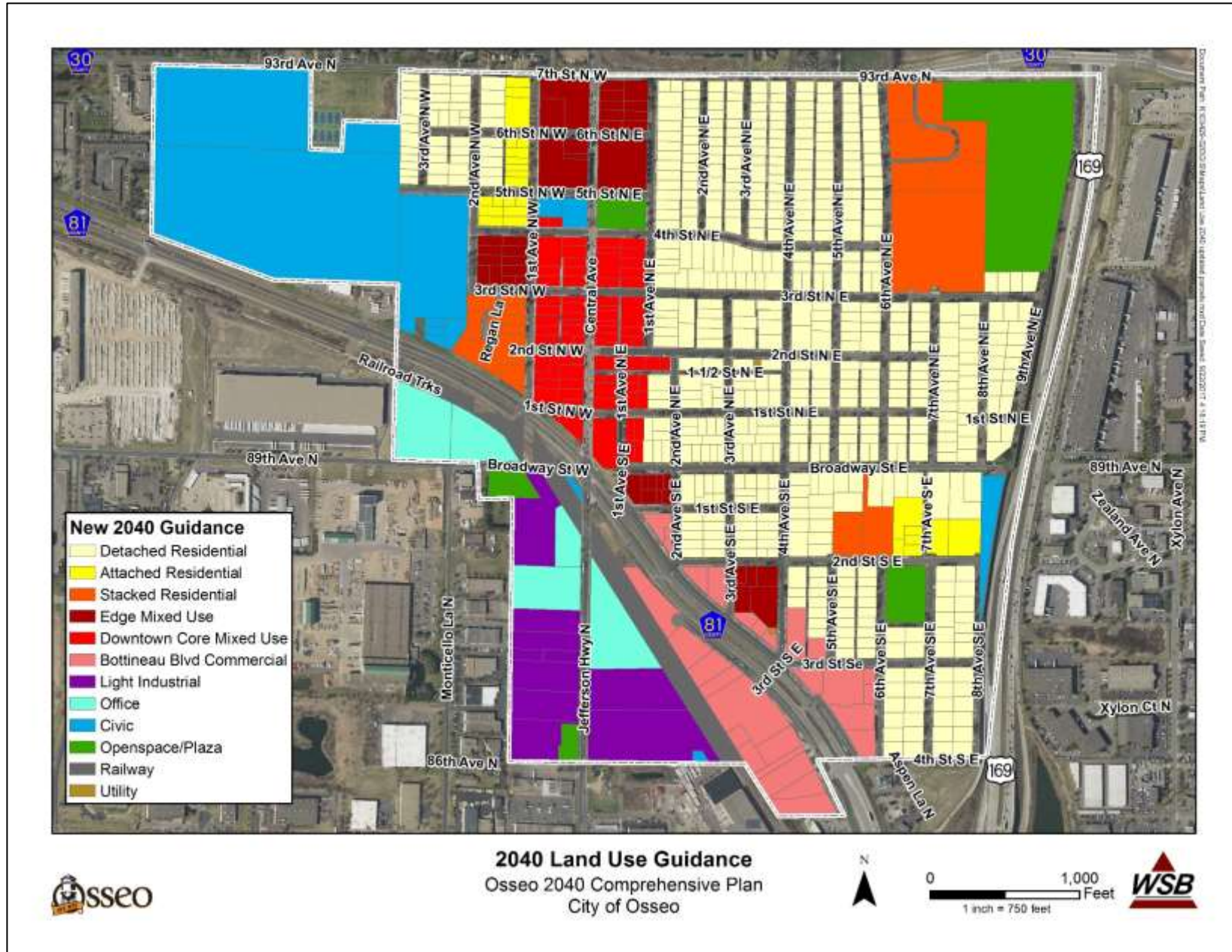


Table 2018-1: 2016 Existing Land Use Categories

2016 Land Use Categories	Acres	Percent
Residential Total	156	33.1
Single Family Detached	131	27.8
Single Family Attached	3	0.6
Multifamily	21	4.4
Commercial Total	36	7.6
Retail and Other Commercial	30	6.4
Office	6	1.3
Industrial Total	50	10.6
Industrial and Utility	41	8.7
Railway	9	1.9
Institutional Total	95	20.1
Park and Recreational	3	0.6
Park, Recreational or Preserve	3	0.6
Mixed Use Total	4	0.8
Mixed Use Residential	4	0.8
Roadways & Right of Way	121	25.6
Agricultural and Undeveloped Total	3	0.6
Agriculture	0	0.0
Undeveloped Land	3	0.6
Total	472	100.0%

FIGURE 2018-2: FUTURE LAND USE GUIDE PLAN



2040 Land Use Category	Total Acres	Total land area (%)
Detached Residential	127.2	27
Attached Residential	7.7	2
Stacked Residential	26.2	6
Bottineau Boulevard Commercial	21	4
Office	15	3
Light Industrial	23.5	5
Downtown Core Mixed Use	17.9	4
Edge Mixed Use	16.2	3
Civic	58.9	13
Parks and Open Space	22.9	5
Roadway/ROW/Railway	125.1	25
Total	427	

TABLE 2018-2: OSSEO 2040 PLANNED LAND USES BY AREA

No.	Project description	10 Year Cost Estimate	Possible Funding Source	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Notes
1.	<u>Storm Sewer Infrastructure Improvements / Capital Improvement Program</u> - Improve storm sewer in conjunction with street reconstruction projects and other concurrent excavations. Cost is for projected debt service associated with projects.	\$ 423,383	Stormwater Utility; Project-specific engineering budgets	\$ 2,620	\$ 17,152	\$ 31,453	\$ 48,143	\$ 52,543	\$ 56,787	\$ 55,605	\$ 54,360	\$ 53,045	\$ 51,675	Includes addressing stormwater problem areas. Assumes the final storm sewer project will be completed in 2021 & coincides with the final street project identified in the city's future street project area map.
2.	<u>Maintenance Program</u> - Storm water maintenance to ensure successful system operation	\$ 31,445	Stormwater Utility; Annual engineering & maintenance budgets; property owners	\$ 2,500	\$ 2,625	\$ 2,756	\$ 2,894	\$ 3,039	\$ 3,191	\$ 3,350	\$ 3,518	\$ 3,694	\$ 3,878	Includes maintaining emergency overflow routes as appropriate/necessary.
3.	<u>Inflow & Infiltration</u> - Analysis and televising	\$ 150,000	Stormwater Utility			\$ 50,000	\$ 50,000	\$ 50,000						
4.	<u>Enforcement</u> - of the erosion and sedimentation control ordinance for new developments	\$ 3,973	Building Permit Fees & Non-compliance fines	\$ 500	\$ 315	\$ 331	\$ 347	\$ 365	\$ 383	\$ 402	\$ 422	\$ 443	\$ 465	Includes establishing review procedures to ensure compliance.
5.	<u>Development Review</u>	\$ 6,289	Development application fees; Annual & project-specific engineering budgets	\$ 500	\$ 525	\$ 551	\$ 579	\$ 608	\$ 638	\$ 670	\$ 704	\$ 739	\$ 776	Encourage Low-Impact Development & site design; Model ponding areas and maximum flow rates and volumes; Establish emergency overflow routes
6.	<u>Public Education and Outreach</u>	\$ 3,773	Stormwater Utility	\$ 300	\$ 315	\$ 331	\$ 347	\$ 365	\$ 383	\$ 402	\$ 422	\$ 443	\$ 465	Newsletter articles, social media posts, videos, etc. Encourage landowners native vegetation and habitat.
7.	<u>Annual Meeting / Public Event</u>	\$ 9,433	Stormwater Utility	\$ 750	\$ 788	\$ 827	\$ 868	\$ 912	\$ 957	\$ 1,005	\$ 1,055	\$ 1,108	\$ 1,163	
8.	<u>Pollution Prevention BMPs</u>	\$ 6,289	Stormwater Utility	\$ 500	\$ 525	\$ 551	\$ 579	\$ 608	\$ 638	\$ 670	\$ 704	\$ 739	\$ 776	
9.	<u>Street Sweeping</u> - Continue to conduct street sweeping as necessary, at least 4x annually	\$ 362,558	Stormwater Utility, CIP	\$ 15,000	\$ 15,750	\$ 190,428	\$ 17,364	\$ 18,233	\$ 19,144	\$ 20,101	\$ 21,107	\$ 22,162	\$ 23,270	Purchase a new street sweeper in 2021.
10.	<u>Ordinance updates</u> - Complete necessary updates to stormwater management ordinances	\$ 3,414	Stormwater Utility	\$ 1,500					\$ 1,914					Includes establishing high water elevations governing building FFE adjacent to ponding areas and floodplains
11.	<u>SWMP amendments</u>	\$ 5,000	Stormwater Utility										\$ 5,000	As warranted by future standards or regulations
12.	<u>Salt Management Plan</u> - for Shingle Creek chloride TMDL	\$ -	Stormwater Utility											Contribute per WMO guidance & coordination. City of Osseo & WMO share responsibility.
Estimated 10-Year total needed		\$ 1,000,559												