

## Project Information Handout Tyler Coulee Storm Water Improvements



### THE WHAT?

This project consists of installing new regional stormwater detention facilities, road embankments and storm crossings, and improving the existing channel conveyance within the Tyler Coulee drainageway. Embankment locations and a schematic drawing are included in Figure 1.

### THE WHERE?

The project is located within the Tyler Coulee drainageway, from Pioneer Park upstream to Ash Coulee Drive. The project assessment boundary is shown on the reverse of this letter.

### THE WHY?

Throughout the development of properties draining to Tyler Coulee, regional storm facilities have been planned to control storm water runoff. No regional facilities have yet been constructed. This project will install various improvements for storm water

detention and conveyance through the Coulee to alleviate erosion and the frequency of flooding on downstream properties.

### THE WHEN?

Construction is anticipated to begin in 2024-2025, pending permitting and favorable bids, and the project expected to take 1-2 years.

### THE WHO?

This project will be funded by special assessments. Those benefiting properties within the Tyler Coulee Watershed are shown on the attached map.

### QUESTIONS?

This handout includes some of our most frequently asked questions. If you have other questions on the project, please reach out to the City Engineering Department at [engineering@bismarcknd.gov](mailto:engineering@bismarcknd.gov) or 701.355.1505.

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## FREQUENTLY ASKED QUESTIONS

### Where is the stormwater coming from?

This drainageway conveys stormwater flows from upstream public roads, developed properties, and undeveloped properties from a large area. The attached map and figure show the watershed boundary.

### How was the project scope identified?

The overall project is meeting multiple goals related to improving drainage conveyance, reducing flooding on downstream property, and minimizing long-term maintenance. To balance those goals, the project scope of a combination of detention ponds, road crossing culvert upgrades, and downstream channel improvements were identified.

### Are there other improvements planned?

There are no other planned watershed-wide improvements at this time. Any new developments within the watershed will be required to construct facilities per the City of Bismarck Stormwater Design Standards Manual (SWDSM).

### How will this project be funded?

Storm improvement projects are funded by special assessments to the benefitting properties. Benefiting properties can include residential, commercial, and

government-owned properties within a special assessment district.

The special assessment for all parcels is based on the parcel square footage.

### How is my special assessment determined? Are property owners paying for all the costs of the project?

The total special assessment for the project is based on the total project costs. The special assessment assigned to each individual parcel follows the City of Bismarck's Special Assessment policy.

### Will the detention ponds hold water?

The detention ponds are designed to slow the rate of runoff during a rain event but will not hold standing water. The drawdown time for the ponds will vary by the amount and intensity of the rain event.

### Why are there so many ponds?

To meet the detention goals of reducing flooding conditions downstream without creating detention ponds that violate state criteria, and combined with limiting the size and cost of needed conveyance improvements, multiple ponds throughout the watershed are needed. Due to existing topography, the overall depth of the ponds vary in relation to the adjacent properties.

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**Will this project impact my property value?**

Throughout our community, there are many areas with drainage passing through neighborhoods that do not impact property values. As this project will decrease flooding instances and allow for better conveyance through the existing channel, no negative impact to property values is anticipated.

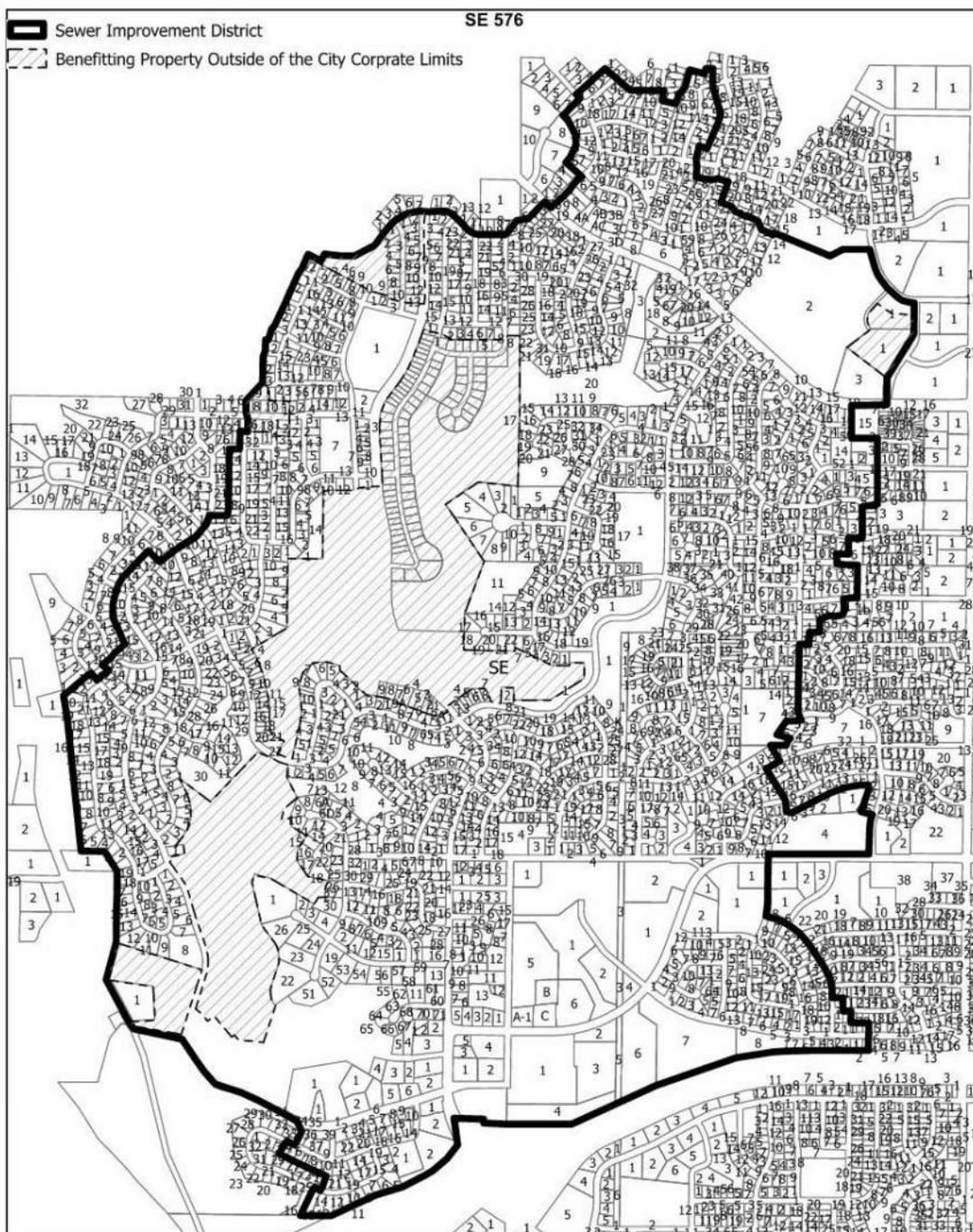
**When will vegetation be reestablished?**

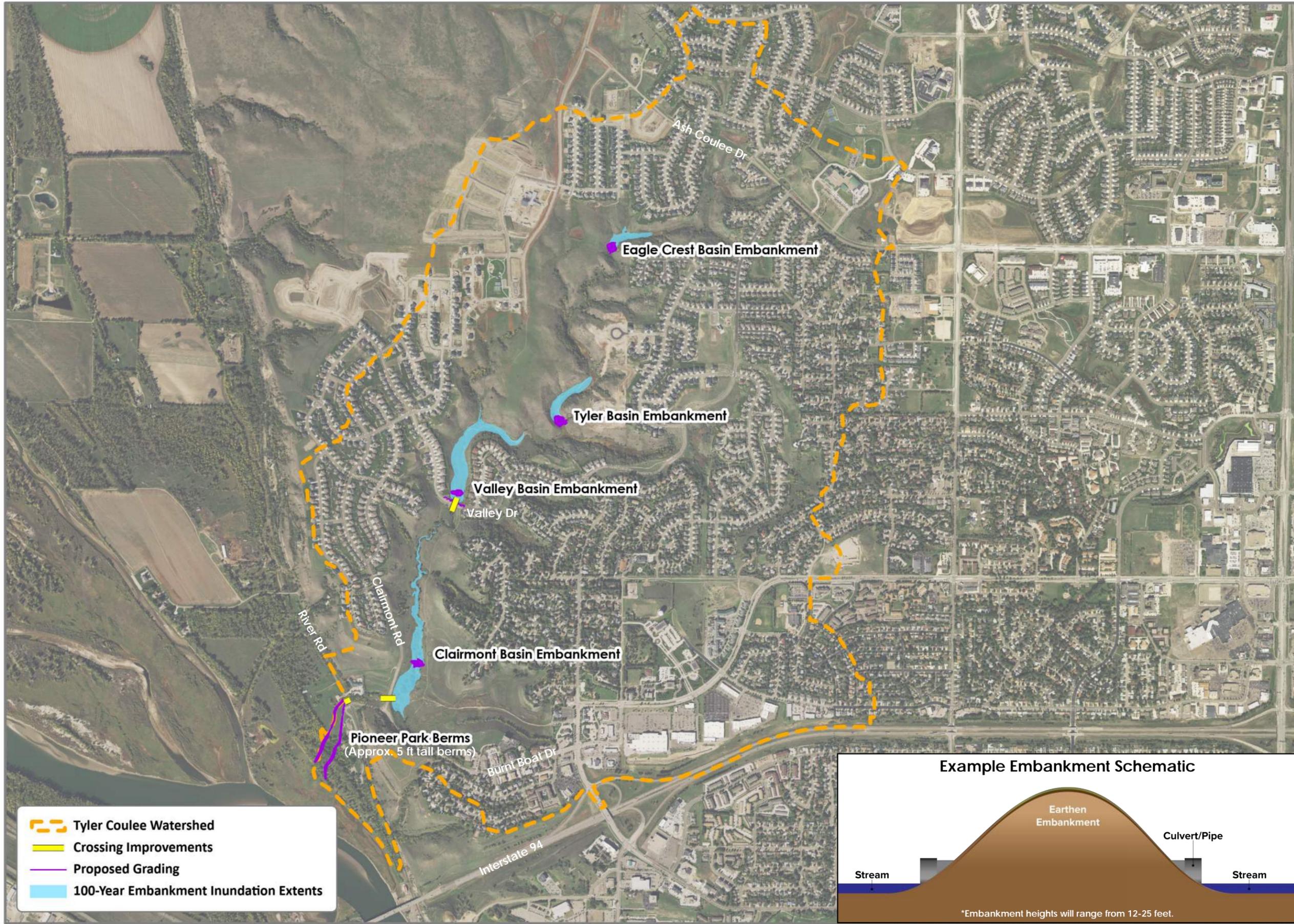
As part of the project all disturbed areas will be

seeded and mulched. Some lower-lying areas will require reestablishment of the existing wetlands.

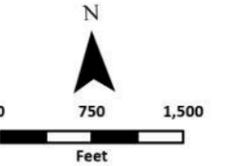
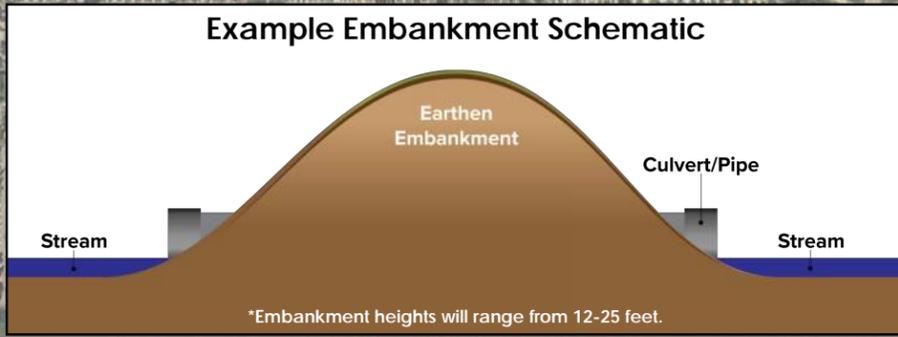
**Who is responsible for mowing the detention and conveyance areas?**

Portions of the project area include wetland mitigation and reestablishment areas. Other areas are within slope stabilization easements. Mowing is prohibited in those areas. Areas outside the wetlands and slope easements will be the responsibility of the lot owner to mow.





- Tyler Coulee Watershed
- Crossing Improvements
- Proposed Grading
- 100-Year Embankment Inundation Extents



1 inch equals 1,500 feet



Locator Map Not to Scale

City of Bismarck  
Burleigh County, ND

Figure 1  
**PROJECT OVERVIEW**

TYLER COULEE  
STORMWATER  
CITY OF BISMARCK



Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.