



Engineering Department

DATE: March 17, 2020
FROM: Gabe Schell, City Engineer
ITEM: Sewer Improvement District 563 Update

REQUEST

Consider approval of revised project budget on Sewer Improvement District 563.
Please place this item on the 3/24/2020 City Commission meeting agenda.

BACKGROUND INFORMATION

Sewer Improvement District 563 was awarded at the April 23, 2019 Bismarck City Commission meeting. The project includes construction of four regional detention facilities and numerous wetland mitigation areas in northwest Bismarck in the North Washington Street Watershed. The detention and mitigation areas would be constructed in the undeveloped land west of Washington Street and south of 57th Avenue. This project would construct master planned detention areas and mitigate impacted wetlands from construction of the storm water facilities. The contractor is on site actively constructing the project as it was awarded and permitted.

We received communication from the United States Army Corps of Engineers (USACE) that the improvements identified in the construction plans were not disclosed in their decision document and therefore not clearly defined in the Section 404 permit (NWO-2013-01281-BIS) that was issued to the City on March 14, 2018.

This information was brought before the Board on June 25, 2019 and it was stated that additional actions would be brought before the Board.

City staff met with a representative of the USACE on January 17, 2020 and have formulated a recommended course of action moving forward. The USACE has requested that the City construct or purchase 5 acres of off-site mitigation for impacted wetlands due to the construction of regional detention facilities.

The City has contacted Ducks Unlimited Inc, (DU) to purchase wetlands for off-site mitigation. The cost of one acre of wetlands is \$55,000.00 for a total cost of \$275,000.

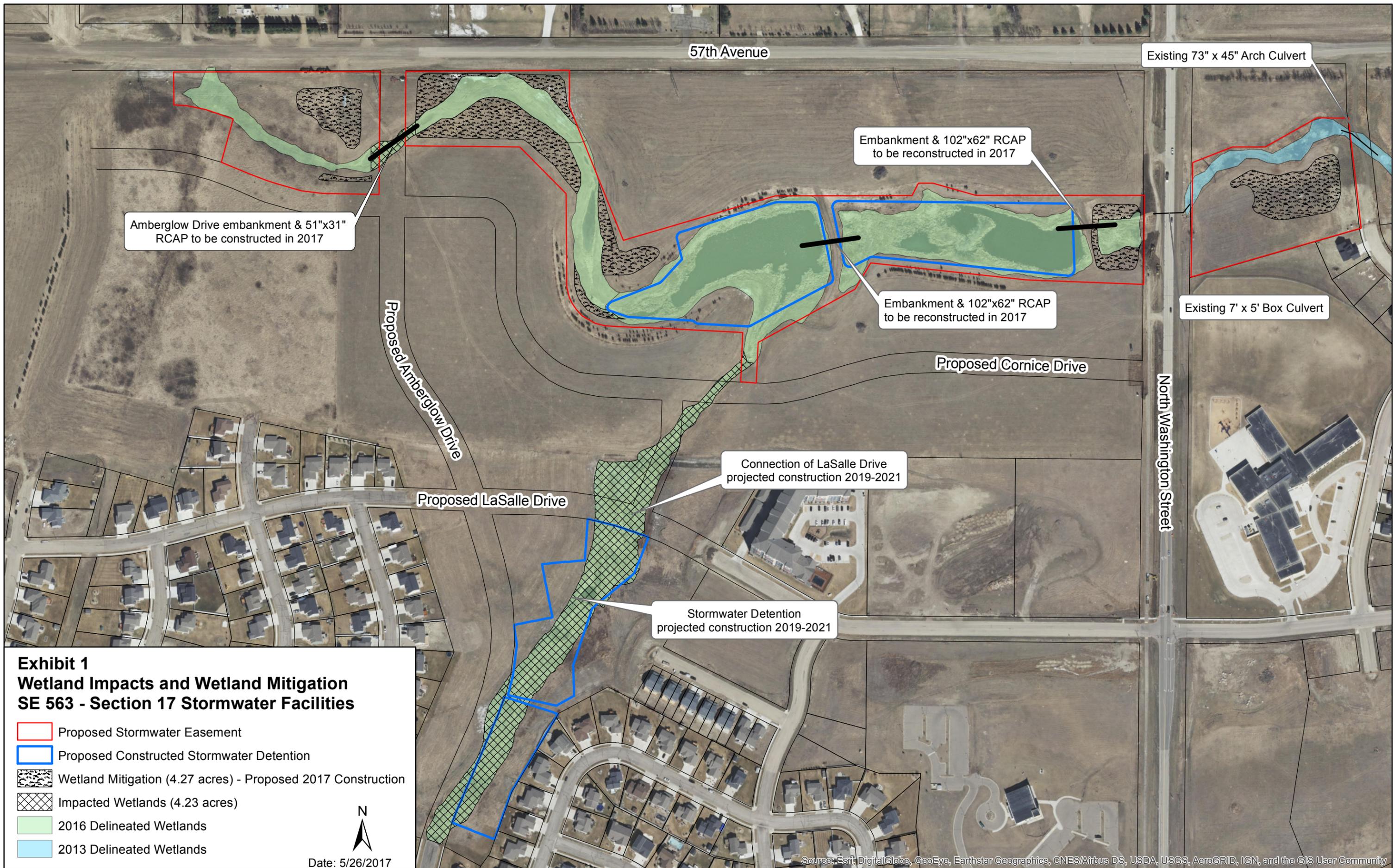
This additional expense would exceed the project budget most recently approved by this board on October 22, 2019 but is still within the range of the letters sent to the area property owners within this watershed.

RECOMMENDED CITY COMMISSION ACTION

Approve revised project budget.

STAFF CONTACT INFORMATION

Gabe Schell, PE | City Engineer, 355-1505 or gschell@bismarcknd.gov



**Exhibit 1
Wetland Impacts and Wetland Mitigation
SE 563 - Section 17 Stormwater Facilities**

- Proposed Stormwater Easement
- Proposed Constructed Stormwater Detention
- Wetland Mitigation (4.27 acres) - Proposed 2017 Construction
- Impacted Wetlands (4.23 acres)
- 2016 Delineated Wetlands
- 2013 Delineated Wetlands

N
↑
 Date: 5/26/2017

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

PROJECT BUDGET - REVISED

Number	SE 563	Description	Regional Storm Water Facilities - Section 17
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Scheduled Start	5/20/2019	Scheduled End	6/1/2020
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Project Contracts

<u>Project Construction Contracts</u>	<u>Amount</u>
Weisz & Sons	1,388,989.50
Total Construction Contracts	1,388,989.50

<u>Other Contracts, Land Purchases, Etc.</u>	<u>Contract No.</u>	<u>Amount</u>
Land Purchases	NA	1,354,776.07
Apex Engineering-Design Services	16-41	323,225.00
Boulder Appraisal	NA	24,000.00
Quality Title	NA	4,353.96
Apex Engineering-Construction Services	16-41	173,910.00
Apex - Amendment 6 - Construction Services	16-41	29,625.00
Wetland Mitigation Monitoring	NA	5,000.00
Ducks Unlimited Inc	NA	275,000.00
Total Other Contracts		2,189,890.03

<u>Work by Other City Departments</u>	<u>Amount</u>
Total Work by Other City Departments	-

SUMMARY

TOTAL CONTRACT ITEMS	-----	3,578,879.53
CONTINGENCIES 10%	------(Construction Contract Only)-----	138,898.95
TOTAL CONSTRUCTION COST	-----	3,717,778.48
Administration 4%	-----	148,711.14
Advertising and Legal 2%	-----	74,355.57
Interest During Construction 3%	-----	111,533.35
SE 563 TOTAL PROJECT COST	-----	4,052,378.54

<u>Project Funding</u>	<u>Amount</u>
Special Assessments -----	2,223,786.64
Storm Water Utility (Held in Abeyance) -----	1,828,591.91
Total Funding	4,052,378.54

Date	3/17/2020
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