

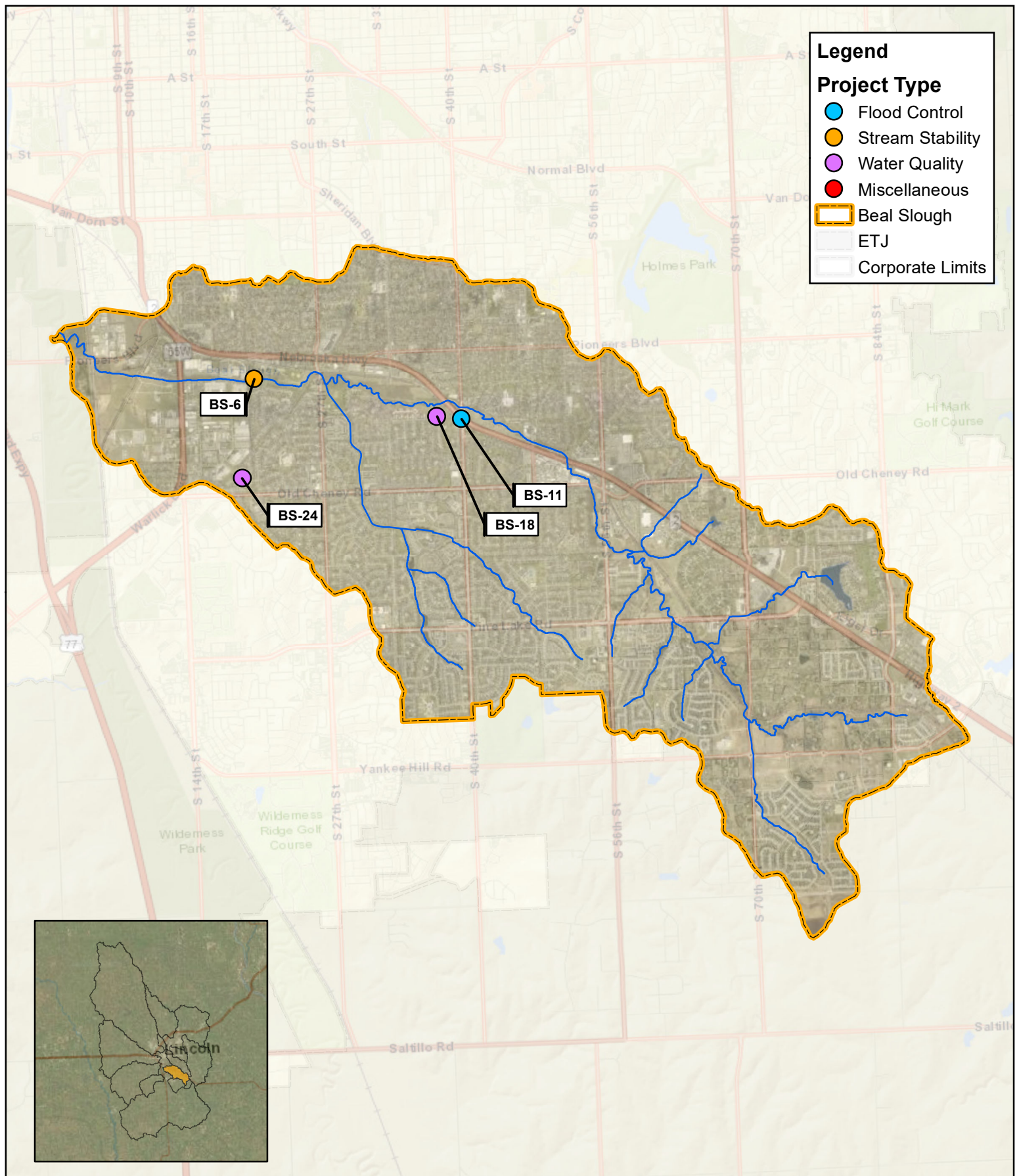
6.2 Beal Slough

Table 6 - Proposed Projects - Beal Slough Watershed

Project ID	Project Type	Project Location	Project Description	2021 Prioritization Score*	2021 Updated Cost**
BS-6	SS	South of Hwy 2 East & West of Southwood Dr.	Channel Stabilization & Grade Controls	180	\$442,889
BS-11	FC	40th St. north of Hwy 2	Construct Culvert	340	\$2,657,334
BS-18	WQ	Tierra Park: SW of 40th St. & Hwy 2	Wetland Construction	270	\$73,815
BS-24	WQ	SW of 20th St. & King Arthur Ct.	Wetland Construction	250	\$103,341

*These scores were determined in 2021 using concept level data and are subject to change as additional data becomes available

**Costs are adjusted to 2021 dollars based on inflation since the original master plan was completed



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Lincoln, NE



0 1,250 2,500 5,000 Feet

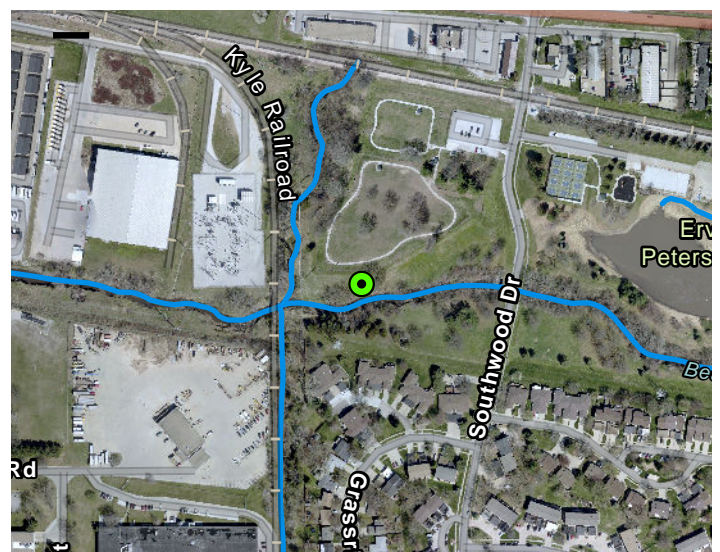
Beal Slough: Channel Stabilization & Grade Controls | BS-6

South of Hwy 2 East & West of Southwood Dr.

Problem Description: Channel banks are sloughing on the outside radii of meanders due to toe cutting and the stream bed has degraded at this location.

Recommendation: Channel bed and bank stability improvements. Construct grade controls at the location.

Estimated Project Cost: \$442,888



FOR MORE INFORMATION

Visit lincoln.ne.gov/watershed or email watershed@lincoln.gov

**Refer to the original Master Plan for all Figure and Table Callouts*

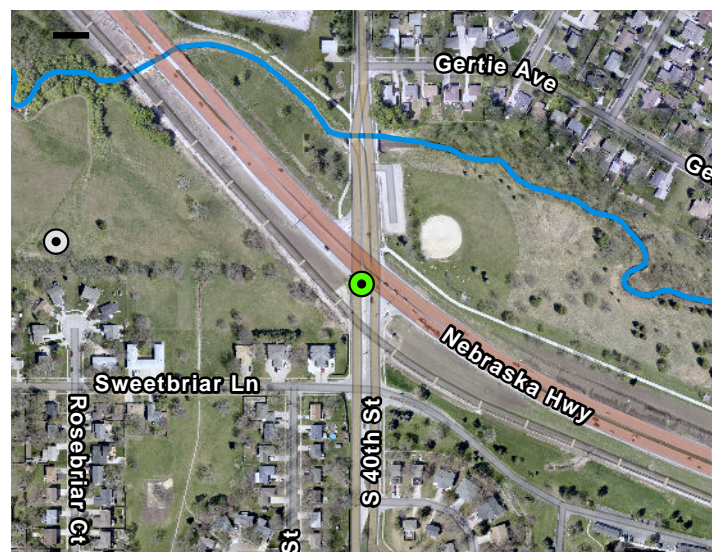
Beal Slough: Construct Culvert | BS-11

40th St. north of Hwy 2

Problem Description: Increased peak flow rates result in more frequent overtopping of the 40th Street culvert. Backwater effects from the Highway 2 bridge west of 40th Street for the 1997 conditions 100-year flood increases the water surface profile by 3 feet at 40th Street and effects the profile for an additional 2000 feet upstream.

Recommendation: Supplemental culvert under 40th Street and Highway 2, training dike, enlargement of bridge openings at Highway 2 and BNSFRR.

Estimated Project Cost: \$2,657,333



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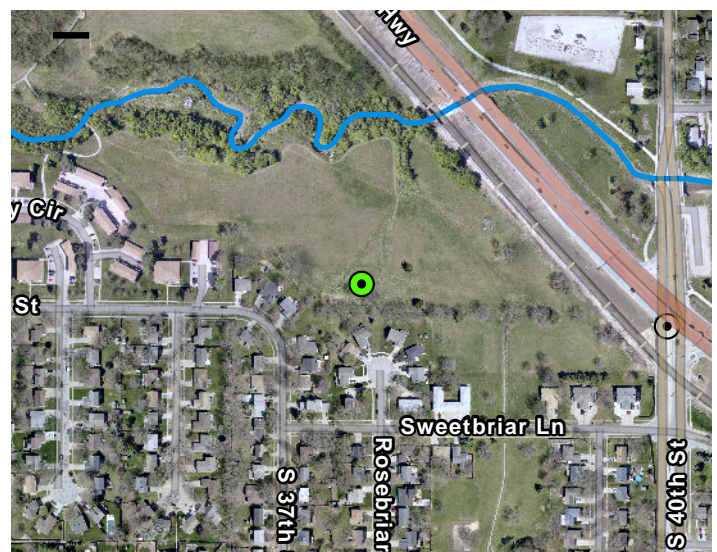
Beal Slough: Wetland Construction | BS-18

Tierra Park: SW of 40th St. & Hwy 2

Problem Description: The LPSNRD bioengineering project created a stable channel between Highway 2 and 40th Street reducing the sediment load generated by bank sloughing and bed degradation. Although bank sloughing and bed degradation continue to be a significant sediment source between 27th Street and Highway 2, runoff from residential and commercial land uses in the basin likely effect water quality in this reach.

Recommendation: Construct water quality wetlands in off-channel storage facility.

Estimated Project Cost: \$73,814



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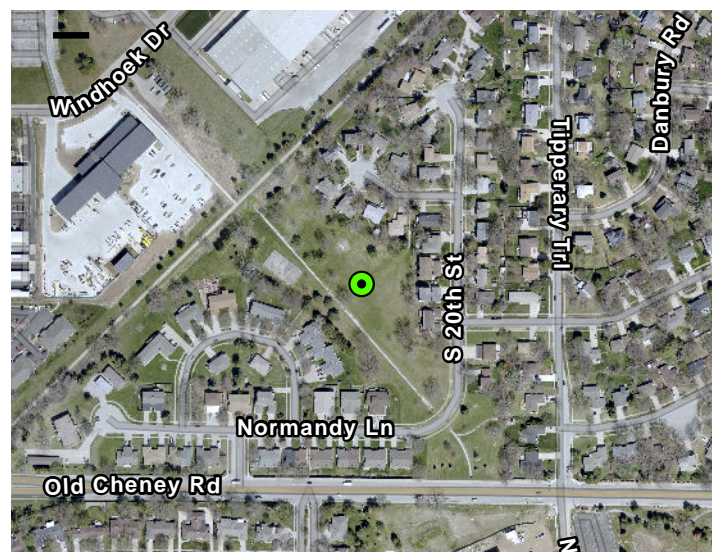
Beal Slough: Wetland Construction | BS-24

SW of 20th St. & King Arthur Ct.

Problem Description: Parking lot and roof top runoff from adjoining industrial and commercial land use and runoff from adjoining residential land use are likely the determinants of water quality of this intermittent stream.

Recommendation: Construct water quality wetland in park.

Estimated Project Cost: \$103,340



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