

STAFF REPORT

Date: June 14, 2023

To: Mayor and City Council

Thru: Doug Thornley, City Manager

Subject: Staff Report (For Possible Action): Approval of Agreement with Atkins North America, Inc., for development of the Phase 2 - Reno Storm Drain Master Plan in an amount not to exceed \$766,860. (Sewer Fund)

From: Theresa Jones, Senior Civil Engineer

Department: Utility Services

Summary:

This Agreement with Atkins North America is for professional services for the Reno Storm Drain Master Plan (SDMP), Phase 2 study. This second phase, of the four phase study, will continue storm drain Capital Improvement Project (CIP) planning, citywide. The study will include storm drain inventory assessments and develop models to analyze capacity and identify deficiencies in the City's existing infrastructure. Staff recommends Council approve the Agreement with Atkins North America, Inc., for development of the Phase 2 - Reno Storm Drain Master Plan in an amount not to exceed \$766,860.

Alignment with Strategic Plan:

Infrastructure, Climate Change and Environmental Sustainability

Previous Council Action:

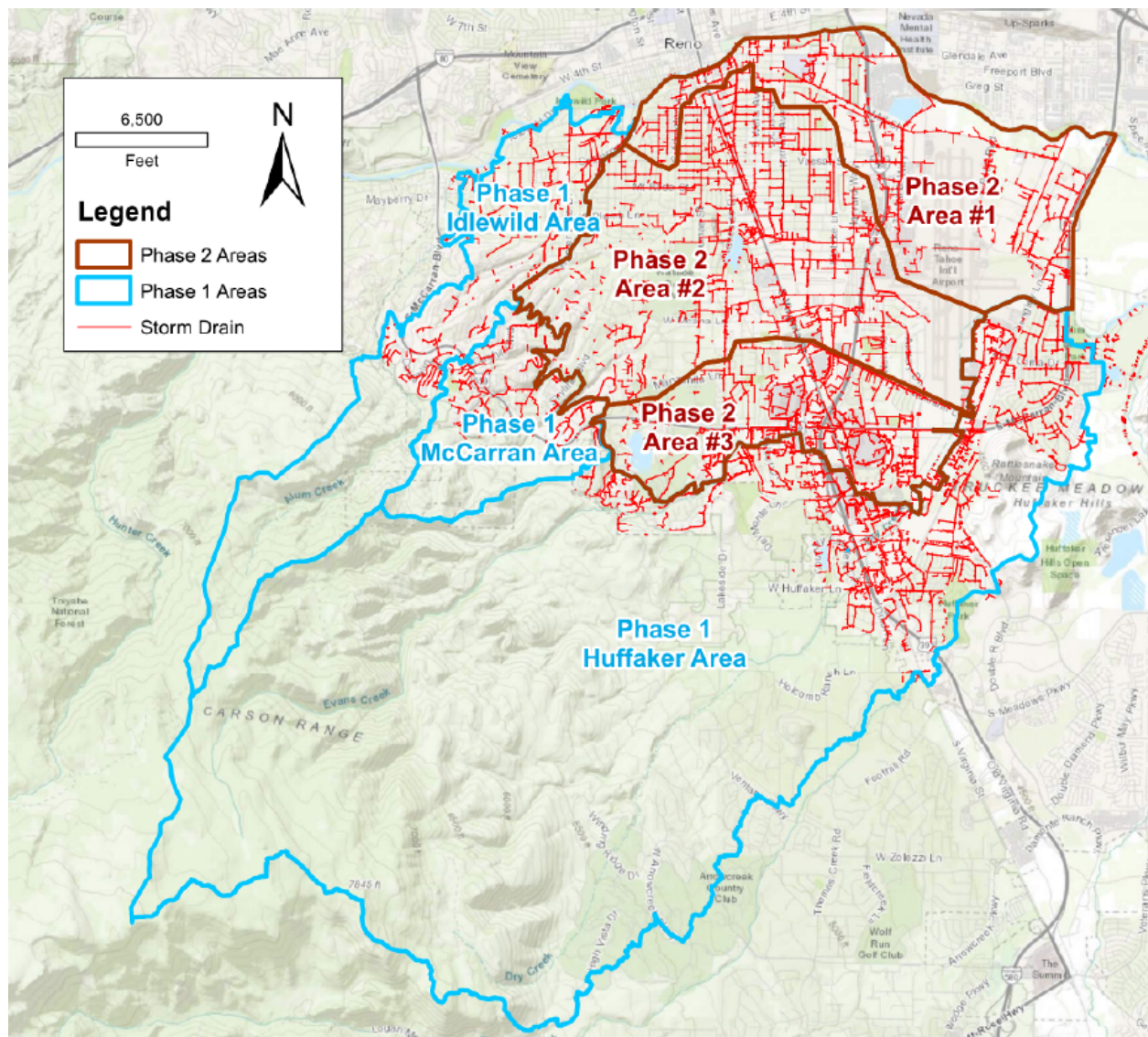
September 23, 2020 – Council approved the Agreement with Atkins, for Reno Storm Drain Master Plan, Phase 1 for \$579,170.

Background:

The City of Reno SDMP is a four phase study that evaluates the storm drain infrastructure across the city. Staff estimates the four phase study would cost approximately \$2.5 million and has planned funding for the next three years.

Phase 1 of the SDMP plan was completed in March of 2023 and is under review. Phase 1 included the Huffaker, McCarran and Idlewild drainage areas with detailed hydraulic modeling of storm drains in the Autumn Hills (Huffaker Hills), Sagittarius, Thomas Jefferson, and Hunter

Lake Drives. Phase 2 will include areas primarily within the McCarran ring road as shown below. Future Phases 3 and 4 will include Northwest Reno and the North Valleys.



Discussion:

Storm drain master planning provides a consistent, cohesive, and integrated approach to assessing the existing condition and capacity of the City's storm drain infrastructure. This SDMP will update the City's storm drain inventory, evaluate the capacity of existing storm drain conveyance systems, assess how irrigation ditches impact stormwater runoff within City limits, and evaluate the current storm drain infrastructure.

Storm drain systems prioritized in Phase 2 are extensive and include commercial/industrial areas south of the Truckee River in downtown Reno, areas surrounding the airport, east of the airport along Edison Way and the neighborhoods in west and southwest Reno. Phase 2 also includes

additional analyses within the Autumn Hills (Huffaker Hills) area to identify needed improvements.

Project deliverables include a GIS based platform to serve as the foundation for future planning, a “living” hydraulic model of the City’s storm drain infrastructure, identification of undersized drainage systems and flood prone areas, and a comprehensive list of recommended CIPs. The SDMP will allow for flexibility in decision making when developing 10-year CIP lists by providing prioritization, opportunity and/or convenience in CIPs, in combination with other scheduled Public Works roadway capital projects.

Financial Implications:

This agreement is for \$766,860 from the Sewer Fund. This phase of master planning is budgeted in the Fiscal Year 23 Sewer CIP.

Legal Implications:

Legal has completed a review for compliance with City procedures and Nevada law.

Recommendation:

Staff recommends Council approve the Agreement with Atkins North America, Inc., for development of the Phase 2 - Reno Storm Drain Master Plan in an amount not to exceed \$766,860 and authorize the Mayor to sign.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

- Reno SDMP Phase 2 Agreement with scope print (PDF)