



# City of Broken Arrow

## Request for Action

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**File #:** 19-1311, **Version:** 1

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**Broken Arrow Drainage Advisory Committee**  
**Meeting of: 10/28/2019**

**Title:**

Consider and discuss possible action to recommend to City Council the design and construction of a storm sewer system between Stone Wood Crossing I and Stone Wood Crossing II subdivisions (Case 19-001)

**Background:**

The lots in the Reserve at Battle Creek south of Granger Street drain into the northern lots of Stone Wood Crossing I and Stone Wood Crossing II subdivisions. The stormwater runoff is conveyed to the subdivisions natural ponds that are regulated by the Clean Water Act Section 404 permit. The runoff drains across flatter and gradually sloped land in certain area and then across areas that are shaded and lack vegetative cover in other areas. The runoff creates areas of standing and stagnant water in the flatter and gently sloped portions and erodes the ground surface and transports sediments to the pond from the bare areas.

A small storm sewer system could greater reduce the issues experienced in this area. Staff has laid out a potential storm sewer route and check for possible public utility conflicts in this area. Based upon the initial evaluation, staff believe a system could be designed and constructed for approximately \$65,000, subject to the donation of certain utility and drainage easements to the City.

Staff believes a storm sewer could provide an overall benefit to the public in this area as well as reduce the adverse environmental impacts experienced in the regulated pond downstream. Therefore, staff recommends the design and construction of a small storm sewer system at this location in order to address this matter.

**Cost:** \$65,000

**Funding Source:** 2018 GO Bond, Proposition 6

**Requested By:** Patrick Wilson, P.E., Stormwater Division Manager

**Approved By:** Engineering and Construction Department

**Attachments:** Drainage Report, Exhibits

**Recommendation:**

Drainage Advisory Committee recommend the design and construct a storm sewer system between Stone Wood Crossing I and Stone Wood Crossing II subdivisions not to exceed \$65,000.