

STANDARD METHOD OF PRACTICE

SSW-26-001, REV. 0

T.W. 6/2/26

ROUTINE STORMWATER MAINTENANCE PLAN – ROCKWOOD CREEK IMPROVED CHANNEL

1.0 Purpose

The purpose of this Standard Method of Practice (SMP) memorandum is to set forth and establish the City of Broken Arrow's Routine Stormwater Maintenance Plan (RSMP) for the Rockwood Creek Improved Channel, which is a segment of the Right Branch of Haikey Creek Tributary that extends north of Kenosha Street through the Rockwood subdivision.

2.0 Governing Documents

The City of Broken Arrow's Standard Methods of Practice memorandums (SMPs) comply with federal, state, and local municipal laws governing the operations and maintenance of water courses and drainage ways. More specifically, this SMP complies with the requirements defined in the City's Code of Ordinances, Chapter 25 – Stormwater Management (Ord. No. 3843), for Improved Channels, and with the federal requirements detailed in the Clean Water Act (1974), Section 404.

3.0 Historical Background

The Rockwood Addition subdivision plat was filed on November 30, 1971, and became a part of the city of Broken Arrow on that date. The natural drainageway located immediately to the west of the subdivision remained natural and unplatted.

Rockwood 2nd Addition plat was filed on July 16, 1973, and became a part of the city of Broken Arrow on that date. It was located immediately to the north of and adjacent to the Rockwood Addition. Likewise, the natural drainageway located immediately to the west of the subdivision remained natural and unplatted.

The Rockwood 3rd Addition subdivision plat was filed on September 14, 1976, and became a part of the city of Broken Arrow on that date. It was located immediately to the north of and adjacent to the Rockwood 2nd Addition. Again, the natural drainageway located immediately to the west and north of the subdivision remained natural and unplatted.

The Rockwood West subdivision was platted on July 9, 1979, and became a part of the city of Broken Arrow on that date. The natural drainage to the east was incorporated in Reserve "A". Construction Plans for the development depict channel improvements being made to the drainageway located in Reserve "A".

Reserve “A” was dedicated by plat to the city of Broken Arrow. The corresponding property records at the Tulsa County Office of Land Records show that the City of Broken Arrow as the owner.

This channel serves as the major drainage course for the different residential subdivisions identified above. It conveys a significant amount of stormwater from the abutting industrial business park to the north and west, as well as from the residential and commercial developments north of the Broken Arrow Expressway. Development along this drainage way and, more specifically, along this improved channel has increased over time leading to urbanized stormwater impacts. These impacts coupled with the public’s need to incorporate preservation efforts to balance development with environmental stewardship remain a crucial aspect of the City’s Standard Method of Practice.

Therefore, it is imperative that the drainage way is maintained in such a manner as to provide adequate conveyance from the surrounding and upstream developments in conjunction with the need to balance the environmental preservation efforts. Maintaining this area of the tributary in question is critical to protect human life, health, and property for those the reside adjacent to and upstream of the area.

4.0 Standard Method of Practice

In order to comply with current governing documents depicted in Section 2.0 above, as well as to provide an adequate and proper level of care regarding the necessary maintenance to the Rockwood Creek Improved Channel, the City of Broken Arrow will implement the following Standard Method of Practice:

4.1 General Requirements include, but are not limited to, the following:

- Routine inspection and clearing to keep channels free of obstructions and maintain hydraulic capacity.
- Vegetation management within drainage easements to prevent blockages and erosion.
- Use of light equipment and hand tools within natural channels is preferred to avoid unnecessary disturbance.

4.2 Mowing and Vegetation-Clearing Plan of Action:

- Goal: Regular maintenance creates an improved hydraulic conveyance system and prevents the need for heavy machinery that can damage natural drainageway.
- Frequency: Mowing and brush clearing 2 to 6 times per year with a preferred target of 4 times annually.
- Seasonal Restrictions: Avoid maintenance between mid-April and mid-July, if possible.
- Preferred Methods: Utilize light equipment and manual clearing where possible. Initial cleaning after extended periods will require heavier equipment to remove larger vegetation and additional debris.

5.0 Attached Exhibits

Exhibit 1 - Overall Location and Site Map

EXHIBIT 1

