

## Comprehensive Master Drainage Plan

Prepare drainage analysis for basins "Tiger", "Coyote" and "Honey Suckle".

**Update |** LEGENDARY ESTATES BASIN – Stockwell Engineers has completed our analysis and drainage study that outlines the issues and presents the Hydrologic and Hydraulic model. Stockwell, City staff and City attorney continue to work through the pending issues with the developer.

TIGER BASIN – Working with developer's engineer to finalize hydraulic model and approve plans. Stockwell will prepare a written report to summarize the drainage analysis for the regional facility.

COYOTE/HONEYSUCKLE: Existing conditions model developed.

---

## Water Tower

This project is to paint the existing water tower in the Industrial Park. Maguire Iron Inc. was awarded the project. Work is expected to occur this summer.

**Update |** Sandblasting of the existing exterior and interior surfacing, immediately followed behind by the zinc primer coating is nearly complete. Once complete they being spraying on the intermediate paint coating followed by the final finish coating. The completion date for the project is October 31, 2016.

---

## Central Park – Phase 1

The city is proposing improvements to Central Park over the course of several years. A master plan has been developed along with conceptual plans for construction. Phase 1 of construction includes general grading and is expected to be complete during the 2016 season.

**Update |** The overall grading plan for the park area has been completed as well as the drainage analysis. This project is currently on hold.

---

## Harvest Acres Addition Street Improvements

The project includes street repairs in Harvest Acres Addition south of Walnut Street. Two streets in Greyhawk Addition have been added to the project; Greyhawk Court and Linden Avenue from Ash Grove Street south.

**Update |** The Contractor completed seeding. Once final inspection is complete, final payment will be issued to the contractor and the project will be closed out.

---

## Wastewater Treatment Facility Upgrade

The project includes Assisting with land acquisition for a future wastewater treatment facility.

**Update |** The Facility Plan has been completed and application to the SWP submitted. Over the next two months Harrisburg needs to decide on one of the wastewater treatment alternatives. Wastewater Treatment Facility consideration will include but not limited to, sequencing batch reactor (SBR), extended aeration (oxidation ditch), submerged attach growth (SAGR) aero-mod sequox, partial pumping to SF and complete pumping to SF. An additional alternative "leechbustor" by Clark Engineering will be reviewed on a High level as requested by City Staff.

---

## SD Highway 115 Water Main Project

This project consists of design, preparation of plans, and providing construction administration for water main improvements on SD highway 115 272<sup>nd</sup> Street to Willow Street. Construction is expected to occur during the 2017 construction season.

**Update |** Plans have been revised and submitted to DOT staff for review. The DOT has revised their schedule indicating that this project will be constructed in 2018. Stockwell will await further instructions from DOT staff.

---

## Devitt Regional Detention Facility

A regional detention facility is being planned on the Devitt property near the intersection of Columbia and Willow Street to improve drainage in the area. The facility is expected to be constructed this summer.

**Update |** Final design work on the detention facility is proceeding. Plan Review in progress.

---

## Willow Recreation Trail

A recreational trail is planned to be constructed along the north side of Willow Street from Minnesota Avenue to Prairie Avenue. State grants were awarded toward the project which is expected to be constructed during the 2017 construction season.

**Update |** Construction drawings are complete. Stockwell is drafting easement and ROW documents for adjacent landowners. Meetings with each property will be scheduled in the coming weeks.

---

# Engineer's Report | City of Harrisburg

October 3, 2016

---

## Force Account

Stockwell provides services to city staff as needed under a force account agreement. Services typically include plan reviews, cost estimates or other routine services as requested. Plan reviews include preliminary plans, conditional use requests, site plans, engineering documents and plats.

**Update** | Recent force account work includes the following: Devitt DEP, Hartland Park Analysis, and Vernon Drive

---