

Project Title: Slowing it down – Wetland Creation for Clean Creek

OBJECTIVE 1: Install a stormwater retention wetland on the WRC's property at 6th and Dalton Streets

TASK 1: Develop detailed implementation and maintenance plan

Start and end date: August 4, 2016 – August 15, 2016

Description: The WRC will work with the DEC, the United States Fish and Wildlife Service, and the Example Borough on the development of an implementation and maintenance plan. The stormwater retention wetland will be installed at the outlet before the sediment-laden stormwater enters the anadromous tributary of Clean Creek. Since this property is owned by the WRC the long-term maintenance of this project will be overseen by the WRC. This plan will include a calculation of the environmental benefits (including the sediment reduction amounts) and utilize the City and Borough of Juneau's Manual of Stormwater Best Management Practices, National Oceanic and Administration's Introduction and User's Guide to Wetland Restoration, Creation, and Enhancement, and other applicable resources.

Deliverables:

1. Draft Stormwater Retention Wetland Implementation and Maintenance Plan. (Due date: August 18, 2016).
2. Final Stormwater Retention Wetland Implementation and Maintenance Plan. (Due date: August 24, 2016).

Permits:

1. Example Borough land use permit
2. ADFG Fish Habitat permit

TASK 2: Schedule installation with local contractor

Start and end date: August 4, 2016 – September 15, 2016

Description: Using the final Stormwater Retention Wetland Implementation and Maintenance Plan, the WRC will solicit a qualified local contractor for the installation of the wetland. The WRC will review the final plan and visit the site with the contractor prior to awarding the project.

Deliverables: Copy of the contractor work agreement/schedule for installation and date set. (Due date: September 15, 2016).

Permits: N/A

TASK 3: Recruit volunteers for project installation and planting

Start and end date: September 15, 2016 – October 31, 2016, and May 1, 2017 – June 30, 2017

Description: The WRC will recruit volunteers for the installation and planting of the stormwater retention wetland. There are various volunteer outlets that the WRC will engage including the WRC members, the Example Master Gardeners, interested community members, and the Example School students.

Deliverable: List of participants, copy of advertisements, and photos. (Due date: June 30, 2017).

Permits: N/A

TASK 4: Install stormwater retention wetland

Start and end date: September 15, 2016 – November 15, 2016

Description: The WRC will oversee the installation of the 3,000 ft² stormwater retention wetland adjacent to the 6th and Dalton Streets outlet and ensure that the contractor adheres to the approved plan. Community volunteers will assist in the installation.

Deliverables: Pre- and post-installation photos, copy of spreadsheet tracking volunteer time, GoPro video. (Due date: November 15, 2016).

Permits:

1. Example Borough land use permit
2. ADFG Fish Habitat permit

TASK 5: Plant stormwater retention wetland

Start and end date: September 15, 2016 – October 31, 2016, and May 1, 2017 – June 30, 2017

Description: The WRC and the volunteers will transplant small wetland plants and grasses from the surrounding area. The WRC Science Director will collect shrub and tree stakes in the early spring and plant them in pots for rooting. These will be transplanted around the perimeter of the wetland. Continued maintenance for at least five years will be the responsibility of the WRC to ensure that plantings become well established.

Deliverables: Planting photos, copy of spreadsheet tracking volunteer time, GoPro video. (Due date: June 30, 2017).

Permits: N/A

OBJECTIVE 2: Educate the public about LID/Green Infrastructure

TASK 6: Design and install interpretive sign

Start and end date: January 1, 2017 – May 31, 2017

Description: The WRC will work with the Example School students and the Alaska Arts Confluence to design sign content. The WRC will request 3 bids from qualified interpretive sign companies. The installation of the sign will take place following all construction activities.

Deliverables:

1. Sign design. (Draft due: March 1, 2017 and final due date March 15, 2017).
2. Photographs of sign installation. (Due date: May 31, 2017).

Permits: N/A

TASK 7: Host community LID/Green Infrastructure Tour and Discussion in Example

Start and end date: May 15, 2017 – June 30, 2017

Description: The WRC will host a community tour and discussion of the several LID projects (Chilkoot Indian Association's rain garden, Clean Creek snow removal bioswale, Delta Western Bioswale, Aspen Hotel stormwater drainage system, the new stormwater retention wetland, and two Parade Grounds' snow removal bioswales) within the Example Borough. The Example Borough employees and elected officials will be specifically invited to attend this tour and encouraged to include these BMPs in all future projects within the Borough. Throughout this project four (4) short outreach videos will be created highlighting several aspects of the project (site development, installation, planting, and community tour). Lastly, this project will be publicized via WRC's various social media outlets (Facebook, newsletter, and website).

Deliverables: List of participants, photos, and GoPro video. (Due date: June 30, 2017).

Permits: N/A

OBJECTIVE 3: Final report

TASK 8: Develop final project report

Start and end date: August 4, 2016 – June 30, 2017

Description: A final report will be produced that evaluates and describes the project accomplishments and their environmental benefit. The report will include project design drawings, sediment reduction calculations, photo documentation, and incorporate the DEC review comments.

Deliverables: Project report in hardcopy and electronic versions. (Draft due: June 10, 2017 and final due date June 30, 2017).

Permits: N/A