



501 W. Powell Lane, Ste. 206, Austin, TX 78753
P.O. Box 9963, Austin, TX 78766
Office: (512) 490-0932
<https://www.watercache.com>

Rainwater Harvesting • Graywater Recovery • Drainage Improvements • Water Conservation • Design/Build Services

December 21, 2023

Ashley Wayman
City of Rollingwood
403 Nixon Drive
Rollingwood, TX, 78746

RE: Engineering Services Proposal
Rollingwood Park, Rollingwood, Texas

Dear Mrs. Wayman;

Innovative Water Solutions, LLC (IWS) welcomes the opportunity to submit this proposal to provide engineering services for the development of drainage systems in the abovementioned project.

The proposed IWS scope of work includes the following items:

Task 1 – Design Assistance for the Upper Park Area

IWS will provide drainage system design assistance for the planned improvements in the upper area of the park, on the north side of the park building. This design assistance shall allow a budget for the creation of a schematic design plan in order to convey the design intent to the contractor.

\$ 695.00

Task 2 – Engineering Design of the Proposed Detention System at the Lower Park Area

IWS will provide engineering design services to develop the plans for a proposed innovative detention system at the lower park area, along the natural limestone terrace of the lower park. This detention system shall capture stormwater runoff from the upper area of the park in order to detain it before releasing it to the drainage ditch along Nixon Drive. IWS shall provide the necessary engineering plans for the construction of this detention system.

\$ 2,495.00

From the discussions at the site visit on October 20, 2023, an initial design concept was created. The detention system would be created by using large limestone blocks to create a retaining wall away from the natural limestone wall. A vinyl membrane would be installed along the limestone block retaining wall and along the bottom of the detention area. A French Drain system will be constructed at the bottom of the detention area in order to drain this detention volume slowly after each rain event. Sand and aggregate shall be used to backfill this detention area. An overflow channel shall be created to allow for the safe overflow of this detention structure. The French Drain shall then be piped out to drain into the drainage ditch along Nixon Drive.

The feasible estimated cost for construction of this type of innovative stormwater detention system would be approximately \$85,000.

Task 3 – Design Assistance for the Existing Detention Pond

IWS will provide design assistance for the existing detention pond located on the west side of the Police Department building. The outlet structure of the detention pond shall be redesigned in order to develop a large detention volume of stormwater. This design assistance shall allow a budget for the creation of a schematic outlet structure in order to convey the design intent to the facility manager.

\$ 595.00

Task 4 - Meetings

IWS will participate in project meetings on an as-needed basis. These meetings may include yourself and other professionals working on the project. Meeting time shall be invoice separately at a rate of \$125/hour.

Task 5 – Construction Representation and Inspection

IWS can provide construction representation service, if necessary and required. The time for the site visits will be invoiced separately at a rate of \$125/hour.

With respect to schedule, IWS is prepared to initiate work upon authorization to proceed.

We appreciate the opportunity to provide this proposal to you and look forward to working with you on this project. If this proposal is acceptable, you can provide your authorization below, and this letter will serve as our agreement. If you have any questions, please do not hesitate to call me at 512-490-0932.

Sincerely,



Chris Maxwell-Gaines, P.E.

Innovative Water Solutions, LLC
TX P.E. Firm No. 11414

AGREED TO BY:

Authorized Signature

Print Name

Date
