

November 2, 2021

REQUEST FOR QUALIFICATIONS

ENGINEERING AND DESIGN FOR

LEGION PARK STORMWATER REPAIRS

The Town of Cornelius Parks and Recreation Department is seeking Statements of Qualifications for engineering, surveying, and design for Legion Park Stormwater Repairs. Please submit a Statement of Qualifications for engineering, surveying, and design services no later than **Friday, December 10, 2021, at 2:00 pm**. This selection will be based on qualifications and cost will be negotiated after the most qualified firm is selected. If negotiations fail with the most qualified firm, then the Town will move to the next most qualified and so on if necessary. Please provide as part of your Statement of Qualifications: similar projects within the greater Charlotte area with a percentage of design cost of total construction cost, an hourly rate schedule per professional class (including subcontractors), an estimated number of hours the project will take to complete, a timeline for completion of design, and a list of any subcontractors that will be a part of the design team, if any. To keep statements as concise as possible there is a twelve (12) page submittal limit. The engineering services will include survey, design, permitting, cost estimates, estimated materials, and bid assistance for the project. Project overview listed below. Concept drawings and sketch of the preferred stormwater management solution is attached.

SCOPE OF WORK:

An existing 36" stormwater pipe that conveys stormwater from Highway 115 from the southeast corner of the park to the northwest corner of the park has failed and started to collapse. The failed pipe has forced the closure of the baseball field as sink holes have formed along the failed section. The entire section of pipe will need to be removed and replaced. Additionally, an 18" stormwater pipe from Spring Street has sedimented in and failed requiring an appropriate means to convey water from Spring Street into the park's stormwater system.

The proposed project includes but is not limited to:

- Review existing survey and "capacity evaluation" information to determine stormwater impacts from the watershed draining into the park,
- Design a new head wall and armament at the southeast corner all within the park boundary,
- Design appropriate stormwater system to replace the existing 36" pipe to convey water from one end of the park to the other,
- Design stormwater system to replace an existing 18" pipe to convey stormwater,

- Design a wet pond BMP at the northwest corner of the park for adequate stormwater capacity including facilities to improve water quality before conveying stormwater through the existing Church Street stormwater pipe and into Lake Cornelius,
- Replace undersized pipes at existing trail near wet pond and reestablish a trail connection to tie back into the existing trail segments, and
- Develop landscape design plan to repair baseball field turf and general turf areas where disturbed, appropriate planting plan, and repair/replacement of existing park facility equipment/amenities that will be disturbed.

Other considerations:

- If total disturbance is over one (1) acre, design firm will be required to comply with the NPDES Federal Construction Permit, including but not limited to a Stormwater Pollutant Plan.
- Geotechnical exploration should not be considered in this proposal; once a design firm is selected, the Town and the designer will discuss the need for geotechnical borings.

The deadline to ask questions will be Friday, November 15, 2021, with answers no later than November 18, 2021. All questions and answers will be shared with all potential design firms.

I will be happy to meet on site with anyone or discuss further. Please feel free to call at 704-892-6031 x163 or email at tfitzsimmons@cornelius.org.

Troy Fitzsimmons

Parks and Recreation Director

Town of Cornelius

LEGION PARK STORMWATER CONCEPT ILLUSTRATION

