

SCOPE OF SERVICES AND FEES

This project, in general, consists of installation of a new Reuse Water Recharge Basins Facility, Phase One, located upstream of the Prescott Valley Wastewater Treatment Plant, between P.V. Unit 20 and Fain Road, in T14N R1E Section 8. The purpose of this project is to recharge treated effluent in return for water supply credits. Special attention is to be given to the requirements of the permits and right-of-way agreements. These Phase One Design Services need to allow for future design of Subsequent Phases for pipeline design and layout, access routes and stream crossings, on-site storage of excavated soils. Design Services are to be complete within 200 calendar days of Notice to Proceed.

The basic service tasks the DESIGNER will accomplish for this project are listed herein.

Task 1– Base Mapping Services:..... Fixed Fee of \$ 11,322.00

The CONSULTANT will provide Base Mapping Services, as follows:

1. Data Acquisition: Acquire all available and applicable data for the design of this project, including:
 - a. GIS, As-Built & Other Information: Acquire all record drawings, ROW Maps, GIS information, HEC RAS reports, and other preliminary reports, etc. applicable to this project. Utilize as much of the GIS information for design, as possible, with the accuracy of such data in mind.
 - b. Utilities: Acquire all utilities information applicable to this project. Coordinate this project with all the utility entities. Minimize the relocation of all utilities during design, as feasible. Utilize existing data provided for horizontal locations and estimate vertical locations based on typical utility depths.
2. Design Survey: Utilize existing topographic and boundary survey using 2 foot contour intervals. Provide field check of said data for general accuracy. Perpetuate use of existing horizontal and vertical datum using Town Modified State Plane Coordinate System.
3. Base Map: Update the planimetric base map of existing conditions and structures as provided by the Town. Include Town provided ASLD property lines, easements, rights-of-way, and encroachments, as well as Town provided utility information on the base map.

Task 2 – Design Services: Fixed Fee of \$66,000.00

The CONSULTANT will provide Design Services, as follows:

1. Design Plans: Prepare the plan sheets for Phase 1 per the WestLand Preliminary Recharge Basin Design Report dated December 2010. The plans shall include the following sheets:
 - a. Cover: Provide a cover sheet that includes, vicinity map, project drawing with areas defined with sheet page numbers, legend, contacts list, table of contents, approval signature lines, etc.
 - b. General Notes: Prepare general notes either on their own sheet or combined with other sheets.
 - c. Details: Prepare details either on their own sheet or combined with other sheets.
 - d. Project Summary Map: Provide a sheet(s) summarizing the overall project, including connections to other on-site and existing off-site infrastructure and, any proposed future infrastructure.
 - e. Geometrics: Provide geometrics sheet(s).
 - f. Plan and Profile Sheets: Prepare Plan and Profile sheets for the following:
 - i. Pipelines
 - ii. Basins (To be designed within the “floodway”, but not providing more than 1.0 foot of upstream or downstream impacts using the 2.0 foot contour intervals provided by the Town.
 - iii. Drainage (channels, drainage path directional arrows, major (100-year) flow quantities).
 - g. Remote Telemetry Unit and control valve (1) design.
 - h. Constructability Review: Review and implement changes to the design as necessary to provide ability to construct, and to simplify construction.
 - i. Utilities Coordination: Continue to coordinate with utilities and provide each utility with a copy of the design plans for their input. Receive their input and either make changes or respond to them as to why we cannot accommodate their request(s).
 - j. Cross Sections: Prepare cross sections as necessary in accordance with design and permit requirements.
 - k. Storm Water Pollution Prevention Plan (SWPPP): Prepare a SWPPP.
2. Submittals: Refer to the Town of Prescott Valley, Public Works Department, Engineering Division Design and Construction Standards and Specifications for requirements on submittals.
3. Provide submittals to the Town for review. Receive the review comments and make corrections and resubmit, with the original comments, for approval.
4. Bid specifications for bid document.
5. Final Quantities
6. Detailed Opinion of Probable Costs
7. Provide basic Geotechnical Report to be prepared by Ninyo and Moore (subconsultant) relative to grading recommendations, slope stability, gradation and other grading related issues.

Task 3 – Bidding Services Task:.....Fixed Fee of \$7,407.00

The CONSULTANT will provide Bidding Services, as follows:

1. Pre-Bid Conference: Attend and assist the Town with answering construction questions or comments with regard to the project.
2. Addenda: Prepare all required Addenda and submit to the Town for approval and distribution.

TOTAL of Tasks\$84,729.00

Town Standards are not all inclusive. They are supplemented by other standards, specific agreements and Town Code as noted below. The priority in which developers shall adhere to supplements shall be recognized per the following sequence:

1. Specific Development Agreement
2. Prescott Valley Town Code
3. Design and Construction Standards for the Town of Prescott Valley
4. Town of Prescott Valley Standard Details (PVSD)
5. Yavapai Association of Governments (YAG) Standards
6. Maricopa Association of Governments Uniform Standards (MAG)
7. The most current standard, code, regulation, rule, law, policy, recommendation, etc. administered by the various agencies, organizations and departments noted in the "Acronyms and Glossary of Terms" section of the Town Standards

If more than one reference exists to the same element, the most restrictive standard, code, regulation, rule, law, policy, recommendation, etc. shall apply, unless otherwise approved by the Town.