STATEMENT OF WORK
IRRIGATION SYSTEM, MICROIRRIGATION (441)

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

PRE-DESIGN

Deliverables:
1. Documents that demonstrate that adequate planning activities have been completed.
   a. Report or conservation assistance notes summarizing pre-design meeting(s) with client.
      i. Identify the resource concern being addressed and the landowner objectives.
      ii. Define roles and responsibilities of all parties that will be involved in the project.
         1. Landowner
         2. Designer
         3. NRCS and/or other funding source(s)
         4. Contractor
      iii. Advise client on potential compliance issues with federal, state, tribal, and local laws, regulations and NRCS policies.
   b. The practice is included in a conservation plan and meets one or more of the purpose(s) described in the Conservation Practice Standard.
   c. Completed NE-CPA-52 showing NEPA requirements have been met and documented (i.e. cultural resources and threatened and endangered (T&E) species

DESIGN

Deliverables:
1. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.
   a. Practice purpose(s) as identified in the conservation plan
   b. List of applicable required permits to be obtained by the client (e.g.: well permit, chemigation / fertigation permit, underground injection permit, etc.)
   c. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.0 through 503.6)
   d. List of facilitating/component practices
   e. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
      i. Completed NE-ENG-28 – Irrigation System Inventory Worksheet, or equivalent
      ii. Completed NE-ENG-85 – Pumping Plant Inventory and Evaluation Worksheet, or equivalent
      iii. Completed NE-ENG-86 – Micro Irrigation Design Data Worksheet, or equivalent
      iv. Lab report of source water, quality / suitability analysis
         1. Filters and chemical injection
   2. Written plans and specifications including drawings\textsuperscript{1} and a table of quantities shall be provided that adequately describe requirements and components to install the practice and obtain necessary permits.
   3. Operation and Maintenance Plan
   4. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.3 (B) (2)).
   5. Design modifications during installation as required.

\textsuperscript{1} Plan draws include showing the location, relevant sizes, and layout of all components and pertinences of the system to include the pumping plant, filter, flow meter, irrigation zones, manifolds, mainline, sub-mains, laterals, and valves (gate, regulating air, pressure relief, pressure regulators, etc.).
STATEMENT OF WORK
IRRIGATION SYSTEM, MICROIRRIGATION (441)

INSTALLATION

Deliverables
1. Pre Installation conference with client and contractor.
2. Quality control plan; defining when site visits must occur during practice implementation, progress reports, applicable field notes, installation pictures, etc.
3. Verification that client has obtained required permits.
4. Staking and layout according to plans and specifications including applicable layout notes.
5. Installation inspection (according to inspection plan as appropriate).
   a. Actual materials used (Part 512, Subpart D Quality Assurance Activities, 512.33)
   b. Inspection records
5. Facilitate and implement required design modifications with client and original designer
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the installation process and materials meet design and permit requirements.

CHECK OUT

Deliverables
1. As-Built documentation.
   a. Extent of practice units applied
   b. Drawings
   c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.3 (c) (2)).
3. Progress reporting.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Irrigation System, Microirrigation, 441
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook

STATE CONTACT

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