STATEMENT OF WORK
Irrigation System, Microirrigation (441)
Vermont

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

DESIGN

Deliverables

1. Design documents that demonstrate criteria in practice standard have been met and are compatible with planned and applied practices.
   - Practice purpose(s) as identified in the conservation plan.
   - List of required permits to be obtained by the client.
   - Compliance with NRCS national and State utility safety policy (National Engineering Manual (NEM) (Title 210), Part 503, Subpart A, “Engineering Activities Affecting Utilities,” Sections 503.0 through 503.6; Subpart B, “Public Safety at Structure Sites,” Sections 503.10 through 503.13; and Subpart C, “Safety During Geologic Investigations,” Sections 503.20 through 503.22).
   - Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to—
     - System capacity.
     - Depth of Application, Rate, Frequency, Pressure and Uniformity.
     - Hydraulics.
     - Filters and chemcial injection.
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
3. Design report as appropriate (210-NEM, Part 511, Subpart B, “Documentation,” Section 511.11).
4. Quality assurance plan (210-NEM, Part 512, Subpart D, “Quality Assurance Activities,” Sections 512.30 through 512.32).
5. Operation and maintenance plan.
6. Certification that the design meets practice standard criteria and complies with applicable laws and regulations (210-NEM, Part 505, Subpart A, “Introduction,” Section 505.0; and Subpart B, “Procedures,” Sections 505.10 through 505.12).
7. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Preinstallation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
4. Installation inspection (according to inspection plan as appropriate):
   - Actual materials used (210-NEM-512, Subpart C, “Evaluation of Construction Materials,” Sections 512.20 through 512.23; and Subpart D, “Quality Assurance Activities,” Section 512.33)
   - Inspection records.
   - Document compliance with quality assurance plan
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 meets design and permit requirements(210-NEM-505-B-505.11)

CHECK OUT

Deliverables

1. As-built documentation:
   - Extent of practice units applied.
   - “Red-line” Drawings.
   - Final quantities.
2. Certification that the installation meets practice standard criteria and complies with applicable laws and regulations (210-NEM-505, Subpart B, “Procedures,” Sections 505.10 through 505.12).
3. Progress reporting.

REFERENCES

- USDA NRCS. Field Office Technical Guide (FOTG), Section IV, Conservation Practice Standard – Irrigation System, Microirrigation, (441).
- USDA NRCS. National Engineering Manual (Title 210). Washington.D.C. https://directives.sc.egov.usda.gov/
- USDA NRCS. National Environmental Compliance Handbook (Title 190), Part 610. Washington, D.C. https://directives.sc.egov.usda.gov/
- USDA NRCS. National Cultural Resources Procedures Handbook (Title 190), Part 601. Washington, D.C. https://directives.sc.egov.usda.gov/