

STATEMENT OF WORK
Irrigation Water Management (449)
Arizona (May 2010)

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

DESIGN

Deliverables:

1. Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices.
 - a. Practice purpose(s) as identified in the conservation plan
 - b. List of required permits to be obtained by the client
 - c. List of facilitating practices
 - d. Compliance with Federal, State, Tribal and local utility safety laws and NRCS policy found in the NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06, and Supplement, §AZ503.02, Subpart A. A completed and signed Utility Check Sheet, NRCS-ENG-006 form or equivalent, must be included as part of the case file.
 - e. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. Soil Type
 - ii. Volume of water (per irrigation & per season)
 - iii. Frequency of irrigation
 - iv. Application rate
 - v. Environmental considerations
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. Operation and Maintenance Plan that includes details for this practice and all applicable system components.
4. Provide certification that documentation, design, plans and specifications meet all applicable NRCS criteria, practice standards, and applicable laws and regulations (NEM Subpart A, 505.03 (a) (3)). Certification shall be made by a licensed professional as governed by the AZ State Technical Board of Registration, and as stated in NEM, §AZ505.01(b).
5. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Pre-installation conference with client.
2. Verification that client has obtained required permits.
3. Staking and layout of measures according to plans and specifications including applicable layout notes.
4. Installation guidance as needed.
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. Records of installation.
 - a. Extent of practice units applied
 - b. Actual amount of water applied during the growing season
2. Certification that the application meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.03 (c) (1)).
3. Progress reporting.
4. Any additional feature, item, or appurtenance not specifically mentioned or addressed that is critical to the proper installation and operation of the practice.

Additional Information:

REFERENCES

- NRCS Field Office Technical Guide, Irrigation Water Management, 449
- NRCS National Engineering Handbook, part 652, National Irrigation Guide
- NRCS National Engineering Manual
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook

State Contact: Hydraulic Engineer