NRCS, PI
May 2017

NATURAL RESOURCES CONSERVATION SERVICE
PACIFIC ISLANDS AREA

STATEMENT OF WORK

IRRIGATION SYSTEM, MICRO-IRRIGATION (441)

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

DESIGN

All design documents shall be developed in accordance with the requirements of the NRCS Pacific Islands Area Field Office Technical Guide (FOTG) Section IV, Conservation Practice Standard.

Deliverables:

1. Design documentation that will demonstrate in 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 required permits to be obtained by the client.
   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. System Capacity.
      ii. Depth of Application, Rate, Frequency, Pressure and Uniformity.
      iii. Hydraulics.
      iv. Filters and chemical injection.
      v. Irrigation System Layout Details.
      vi. Materials and Estimated Cost.

2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describe requirements to install the practice and obtain necessary permits.

3. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.33).

4. Operation and Maintenance Plan. The NRCS Pacific Islands Area Operation and Maintenance Plan for the practice, available in Section IV of the Pacific Islands Area FOTG, shall be prepared for and reviewed with the client.

5. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.3 (B) (2)).

6. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Pre Installation 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).
   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 Pacific Islands Area Field Office Technical Guide (FOTG), Section IV, Pacific Islands Irrigation System, Microirrigation (441) – Conservation Practice Standard.](#)
- [NRCS National Engineering Handbook, Part 650 Engineering Field Handbook, Chapter 15 Irrigation](#)
- [NRCS National Engineering Handbook, Section 15 Irrigation](#)
- [NRCS National Engineering Manual (NEM)](#)
- [NRCS National Environmental Compliance Handbook](#)
- [NRCS National Cultural Resources Procedures Handbook](#)