

## **STATEMENT OF WORK Underground Outlet (620)**

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

### **DESIGN**

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#### **Deliverables:**

1. Design documents that demonstrate criteria in 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. Compliance with NRCS national and state utility safety policy (NEM part 503-Safety, Section 503.00 through 503.06)
  - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
    - i. Inlet Type
    - ii. Hydraulics
    - iii. Materials
    - iv. Outlet Capacity and Stability
2. Plans and specifications that include drawings that show the requirements and specifications that describe in writing the requirements to install the practice and to obtain the necessary permits shall be provided to the client.
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).
5. Design modifications during installation as required
6. Documentation needed for the practice depends on the specific conditions at the site where it will be installed. However in New Mexico, the minimum required documentation is: Manufacturer and markings, length by size and kind, location and dimensions of all structures, elevations of outlet and normal water level in outlet ditch or stream, filter material, blinding, cover, and periodic grade checks.
7. NRCS assumes no responsibility for interference with private or public utilities or facilities.
8. Supporting data for this practice are to include a record of planning, design, installation, checking, and maintenance necessary to ensure an effective practice. Location identification is required.
9. The local SWCD can help identify local permits and regulatory requirements. (Refer to Item 1.b above)

### **INSTALLATION**

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#### **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
  - a. Actual materials used
  - 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 meets design and permit requirements (NEM Subpart A, 505.3).
8. Information required by Design Deliverable Item 6, as a minimum, must be collected. This is especially true for work that cannot be observed once installation is complete.

### **CHECK OUT**

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#### **Deliverables:**

1. As-built documentation
  - a. Extent of practice units applied
  - b. Drawings
  - c. Final quantities

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2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits
3. Progress reporting
4. As a minimum, all Design Deliverable Item 6 requirements shall be measured, photographed, or documented to show that the installed practice meets the standard, specification, and design requirements.

**REFERENCES**

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- Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Underground Outlet, 620.
- National Engineering Manual
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook