

STATEMENT OF WORK
Underground Outlet (620)
Missouri

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

DESIGN

Deliverables:

1. Survey notes which show that a thorough and detailed site survey was completed.
 - a. Survey notes shall be in accordance with NRCS Technical Release 62, Engineering Field Handbook, Chapter 1 and/or standard industry practice.
 - b. If survey equipment with automatic / electronic data collection devices is used, a print out of the data and a disk with the electronic files shall be included in the file.
 - c. Elevations shall be referenced to a bench mark. A temporary bench mark with an assumed elevation is acceptable.
2. A plot of the survey data with the scale shown as a bar scale shall be maintained in the file.
3. 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
 - Profile and horizontal location of inlets, lines, junctions, relief wells and outlets
 - Design discharges and velocities
 - iii. Materials
 - iv. Outlet Capacity and Stability
4. 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.
5. Operation and maintenance plan
6. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b) (2)).
7. 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
 - 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, 505.03(c) (1)).
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CHECK OUT

Deliverables

1. As-built documentation
 - a. Extent of practice units applied
 - Profile and horizontal location of inlets, lines, junctions, relief wells and outlets
 - Type and lengths of conduit by size; number, type and size of inlets and outlets and adequacy of soil cover
 - b. Drawings
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits
3. Progress reporting

REFERENCES

- 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