



STATEMENT OF WORK Livestock Pipeline (516) 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 documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.
 - Practice purpose(s) as identified in the conservation plan.
 - List of required permits to be obtained by the client.
 - Impacts on adjacent properties and structures.
 - Compliance with NRCS national and State utility safety policy (National Engineering Manual (Title 210) (NEM), Part 503, Subpart A, "Engineering Activities Affecting Utilities" 503.0 through 503.6).
 - Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - Capacity
 - Hydraulics
 - Materials
 - Climatic considerations (e.g., freezing)
 - Vegetation (See NRCS Conservation Practice Standard (CPS) Critical Area Planting (Code 342))
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 and inspection plan as appropriate (210-NEM, Part 511, Subpart B, "Documentation," 511.11; and Part 512; Subpart D, "Quality Assurance Activities," 512.30 through 512.32).
4. Operation and maintenance plan.
5. Certifications that the design meets practice standard criteria and comply 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).
6. 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.
 - 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 (210-NEM, Part 512, Subpart C, "Evaluation of Construction Materials," Sections 512.20 through 512.23; and Subpart D, "Quality Assurance Activities," Section 512.33).

CHECK OUT

Deliverables

1. As-Built documentation.
 - Extent of practice units applied
 - “Red-line” Drawings
 - Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits(210-NEM, Part 505, Subpart B, Sections 505.10 through 505.12).
3. Progress reporting.

REFERENCES

- USDA NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Pipeline, 516
- USDA NRCS. 2017. National Engineering Manual (NEM) (Title 210). Washington, D.C.
- USDA NRCS. 2016. National Environmental Compliance Handbook (Title 190), Part 610. Washington, D.C.
- USDA NRCS. 2018. National Cultural Resources Handbook (Title 190), Part 601. Washington, D.C.