

STATEMENT OF WORK
Drainage Water Management (554)
IOWA

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 site survey sufficient to show the following was completed:
 - a. Locations of control structures.
 - b. Profile of the drains at proposed control structure locations.
 - c. Elevations shall be referenced to a bench mark. A temporary bench mark with an assumed elevation is acceptable.
 - d. Survey notes shall be in accordance with NRCS Technical Release 62, Engineering Field Handbook (National Engineering Handbook Part 650) Chapter 1, and/or standard industry practice.
 - e. 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.
 - f. A plot of the survey data with the scale shown as a bar scale shall be maintained in the file.
2. 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 and/or facilitating practices.
 - c. List of required permits to be obtained by the client.
 - d. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. Results of applicable sampling, analyses and tests provided by the client
 - ii. Geology and Soil Mechanics (NEM Subpart 531a)
 - iii. Hydrology/Hydraulics
 - iv. Environmental Considerations
 - v. Safety Considerations (NEM Part 503-Safety, Subpart A, 503.10 through 503.12)
3. Written plans and specifications described in Conservation Practice Standard 554 shall be provided to the client that adequately describe the requirements to implement the practice and obtain necessary permits.
4. Operation and maintenance plan as described in the practice standard. (National Operation and Maintenance Manual 500.70 and 500.40 through 500.42)
5. Certification that the design meets practice standard criteria and comply with applicable laws and regulations ((NEM Subpart A, 505.03(b) (2)) or is approved by an employee with the appropriate delegated engineering job approval authority (NEM Subpart A, 501).
6. Design modifications during implementation as required

INSTALLATION

Deliverables:

1. Pre-installation conference with client
2. Verification that client has obtained required permits
3. Staking and layout according to plans and specifications including applicable layout notes
4. Application 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 application process and materials meets design and permit requirements

CHECK OUT

Deliverables

1. As-built documentation (450-GM, IA407)
 - a. Extent of practice units applied
 - b. As-built drawings documenting critical elevations, grades, changes from the design, and compliance with standards and specifications
 - c. Materials documentation including final quantities
 - d. Survey notes from the final checkout.

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2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.03 (c) (1)).
3. Progress reporting

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Drainage Water Management, 554
- NRCS National Engineering Handbook, Part 624, Section 16, Drainage
- NRCS National Engineering Handbook, Part 650, Chapter 14, Water Management (Drainage)
- NRCS National Environmental Compliance Handbook

STATE CONTACT

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