

**NATURAL RESOURCES CONSERVATION SERVICE
STATEMENT OF WORK**

**LAND RECLAMATION, ABANDONED MINED LAND
(Acre)**

CODE 543

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

DESIGN (Planning Requirements)

Deliverables:

1. Complete design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices.
 - a. Document the practice purpose(s) as identified in the conservation plan.
 - b. List the required permits to be obtained by the client along with other participant (client) responsibilities (Reference Form CO-ENG-13, Notification of Participant Responsibilities)
 - c. List all required and/or facilitating practices to be planned and applied.
 - d. Compliance with NRCS national and state utility safety policy (NEM part 503-Safety, Section 503.00 through 503.22).
 - e. Document criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. Site preparation requirements and areas to be preserved.
 - ii. Requirements for final cover.
 - iii. Water disposal requirements.
 - iv. Vegetation requirements.
 - v. Provisions for restoration of borrow area.
 - vi. Additional provisions, as required, to restore productivity of the soils, reduce erosion and sedimentation, and maintain or improve visual quality, protect public health and general welfare.
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice to accomplish the stated purposed and obtain necessary permits. All applicable State and Federal (OSHA) safety requirements shall be addressed in the plans and specifications where appropriate.
3. Delineate Area(s) to be reconstructed/seeded/planted on the Conservation Plan Map
4. Complete Form CO-ECS-5, Grass Seeding, Planned and Applied for each field or treatment unit.
5. Prepare a written operation and maintenance plan.
6. Construction Quality Assurance Plan, where appropriate, to include, but not limited to, the following items:
 - a. General description of work.
 - b. Items of work requiring inspection or testing.
 - c. Timing of inspections or tests.
 - d. Skills or certifications required by inspectors.
7. Provide written certification that the design meets practice standard criteria and comply with applicable laws and regulations. For jobs completed by NRCS employees, affix the approval signature of the individual with delegated engineering job approval authority to the drawings. For jobs completed by non-NRCS employees, affix a Colorado Professional Engineer's seal to design and construction documents, when required by state laws and regulations.
8. Complete Job Sheet CO 612, Tree/Shrub Establishment, as applicable.

9. Complete Cultural Resources Site Review and Documentation Form (CO-SSC-1), and New Site Report Form (CO-SSC-2), as applicable
10. Plan and implement the Nutrient Management (590), Mulching (484), and/or Pest Management (595), Conservation Practices, as applicable.
11. Itemized cost estimate and list of materials.
12. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Pre-installation conference with client. (Reference Form CO-ENG-13, Notification of Participant Responsibilities).
2. Verification that client has obtained required permits.
3. Staking and layout of measures according to plans and specifications including applicable layout notes.
4. Installation guidance as needed. (NEM Part 512, Subpart D Quality Assurance Activities, 512.33).
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. (NEM Subpart A, 505.03(c) (1)). Form CO-ENG-1 may be used for this certification.

CHECK OUT

Deliverables

1. Provide records of installation.
 - a. Extent of practice units applied.
 - b. Actual measures and materials used and applied including scale tickets and originals or copies of seed tags and sales receipts to determine compliance with the Colorado Seed Law and actual amounts of seed used.
 - c. Drawings, and
 - d. Final quantities.
2. Provide certification that the application meets NRCS standards, specifications, and all design requirements and is in compliance with permits. (NEM Subpart A, 505.03 (c) (1)). Form CO-ENG-12 may be used for this certification.
3. Complete progress reporting.

REFERENCES

- Colorado Field Office Technical Guide, Section IV. Land Reclamation, Abandoned Mine Land 543 Conservation Practice Standard. 2006. USDA, NRCS. Lakewood, CO.
<http://efotg.nrcs.usda.gov/references/public/CO/CO543.pdf>
- CO-ENG Forms: eFOTG Section IV, Tools