STATEMENT OF WORK (SOW)
DRY HYDRANT (432)
SOUTH DAKOTA
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These deliverables apply to this individual practice. For other planned practice deliverables, please refer to those specific SOW's.

DESIGN

Deliverables

1. Pre-design conference with client and Natural Resources Conservation Service (NRCS) representative.
2. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other 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, Subpart A, Engineering Activities Affecting Utilities 503.00 through 503.06)
    d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
        i. Hydrology/Hydraulics.
        ii. Structural.
        iii. Vegetation.
3. Sufficient copies of 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.
4. Design Report and Inspection Plan as appropriate (NEM, Part 511, Subpart B, Documentation, 511.11, and Part 512, Subpart D, Quality Assurance Activities, 512.30 through 512.32).
5. Operation and Maintenance Plan.
6. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM, Subpart A, 505.03(a)(3)).
7. Develop and sign an engineer's cost estimate based on project quantities. Provide revised cost estimates in the event of changes to project quantities or completion of final design.
8. Develop a list of practices for the project that includes the practice unit and extent. Provide a revised list of practices, practice units, and extents in the event of changes to these values or completion of the final design.
9. Provide an anticipated installation schedule.
10. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Pre Installation conference with client, contractor, and NRCS representative.
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).
    a. Actual materials used (NEM, Part 512, Subchapter D, Quality Assurance Activities, 512.33).
    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.

CHECK OUT

Deliverables

1. As-Built documentation:
    a. Extent of practice units applied.
    b. Drawings.
    c. Final quantities.
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 South Dakota Technical Guide (FOTG), Section IV, Conservation Practice Standard - Irrigation Storage Reservoir (552)
- NRCS NEM
- NRCS Technical Release 60, Earth Dams and Reservoirs
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- SDEDSCM