

STATEMENT OF WORK

Water Well Decommissioning (351)

These deliverables apply to this individual practice. For other planned practice deliverables 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.
 - a. Practice purpose(s) as identified in the conservation plan.
 - b. List of required permits to be obtained by the client.
 - c. Impacts on adjacent properties and structures.
 - d. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.6).
 - e. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Structural and Materials
 - ii. Safety
 - iii. Environmental Considerations (e.g. water quality)
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 (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 (NEM Subpart A, 505.3).
6. Design modifications during installation as required.
7. NMED or NMOSE approval letter.
8. Documentation needed for the practice depends on the specific conditions at the site where it will be installed. However in New Mexico, the minimum required documentation is: Location of the decommissioned well by Global Positioning System, latitude/longitude, township/range, or other geo-referencing convention, of such precision that it can be readily re-located; State Engineer's file number for the well; Date of start and completion of well decommissioning; Name of landowner; Name, title, and address of person responsible for well decommissioning, license number, and drill rig supervisor(s) name; Total depth of well; Length of casing; Length of casing removed or length of casing cut off below ground level; Lengths of casing ripped or perforated and method used; Inside diameter of well bore or casing; Type of casing material or schedule (e.g., standard weight steel, or PVC sch-80); Static water level measured from ground surface prior to decommissioning; Photographs before and after decommissioning; Types of materials used for filling and sealing, quantities used, depth intervals for emplacement of each type, and emplacement method used; Location of sanitary seal; Completed well log including depth and thickness of all strata plugged, including whether each strata was water bearing; All other pertinent information based on site conditions and any other problems encountered during decommissioning should be documented in detail. For monitoring wells – written notification to NMED with the date and method of abandonment.
9. A copy of the signed Well Decommissioning Report is required prior to certification of practice completion.
10. The local SWCD can help identify local permits and regulatory requirements. (Refer to Item 1.b above)

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 (according to inspection plan as appropriate).
 - a. Actual materials used.
 - b. Inspection records
5. Facilitate and implement required design modifications with client and original designer.

STATEMENT OF WORK Water Well Decommissioning (351)

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.
8. Well record report from well driller.
9. Information required by Design deliverable Item 8, as a minimum, must be collected. This is especially true for work that cannot be observed once installation is complete.

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, 505.3).
3. Progress reporting.
4. As a minimum, all Design Deliverable Item 8 requirements shall be measured, photographed, or documented to show that the installed practice meets the standard, specification, and design requirements.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Water Well Decommissioning, 351.
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- 19.27.4.29 thru 30 NMAC
- NMED Ground Water Discharge Permit Monitoring Well Construction and Abandonment Guidelines