

Fort Hood Requirements for Disconnecting Existing Utilities (Water, Wastewater, Natural Gas, and Electric)

1) References:

- a. The National Standard Plumbing Code
- b. NSPC Standard.
- c. TNRCC, 30 TAC 290 (Water).
- d. TXDOT Standards for Natural Gas.
- e. National Electric Code (NEC)
- f. National Electrical Safety Code (NESC)
- g. TM 5-682
- h. TM 5-684

1) General: *Replacement of the spoils materials around the excavations:* Existing lines that are to remain in service and which are exposed during this work performance shall have sand tamped in place around and under those utilities, and be brought to a height of at least 1 foot above the affected line. Changes to existing remaining utilities will be identified accurately by the contractor and provided to the COR for updates to our utility maps. Contractor shall sanitization/disinfection new materials he may have to install to meet requirements above. Contractor shall provide Customer Service Inspection and to include the required forms.

2) Water: Existing water service lines, associated with older buildings to be demolished and other construction where required, shall be physically separated from, and capped or plugged at the water supply main at the first threaded connection closest to the main. Where the supply from the main feeds more than one building, and those remaining buildings will have continued water service, the contractor shall physically separate, and cap or plug the water supply for the demolished building at the tee branch. Where demolished buildings have separate fire lines (typically 4" thru 8" line sizes) for fire protection, the contractor shall physically separate the fire line from the source main, between the operating valve and the main, and cap or plug the service lead as close as possible to the main. In all cases, if the materials of previous construction included leaded joint tees as the point of connection from the water main to the lines to be abandoned, the contractor shall physically remove the main line tee and replace that portion of the main line which was affected. All valves and valve boxes associated with the utility lines to be abandoned shall be removed from the site and shall not be buried in place, unless there is/are other buildings that are affected by that same service line tap.

3) Sewer: Existing lateral sewer lines from the demolished buildings (typically 3" thru 8", normally 4" or 6") shall be physically separated from the sewer collection system at the closest point to the receiving manhole, or branch wye if the lateral receives effluent from additional buildings that are to remain in service. The contractor shall permanently cap or install a concrete plug or other COR approved device permanently affixed to the remaining portion of active sewer line that will prevent groundwater influence. All cleanouts and similar above ground fittings associated with sewer lines to be abandoned shall be physically separated from the lateral line at the fitting (sanitary wye) below grade and removed from the site.

4) Natural Gas: Natural gas service lines shall be capped as near as possible to the source of supply, typically either Polyethylene (PE) or steel. The contractor shall heat fuse a PE cap in accordance with the pipe manufacturers recommendations or install a threaded plug or cap of approved material for steel lines as close to the tee as possible. The building riser shall be physically separated below grade at the depth of the service line and removed from site, and the abandoned service line shall be filled with water and each end shall be permanently capped or plugged, if the abandoned service line is not physically removed in it's entirety from the original service line ditch. All associated service valves and valve boxes shall be physically removed from the site.

5) Electric: Existing electric service lines, associated with older buildings to be demolished and other construction where required, shall be physically separated from the electric distribution system. Projects affecting a group of co-located facilities shall have the specific points of electric demolition and retirement identified on the approved plans. If the plans do not show electric demolition and retirement, the electric service line to an individual facility shall be removed back to the transformer. If another facility or piece of equipment is utilizing a section of that secondary line, then the secondary service shall be removed only to the point where service to the adjoining facility or equipment will not be affected. Unless otherwise indicated on the plans or in the specifications, the Contractor shall remove all items associated with the disconnected electric service and dispose in accordance with contract disposal requirements. All electric meters, meter interface units, and FM Switches shall be protected during and after removal and signed over to the DPW Energy Team, Bldg 4219, 254-287-8716.

Changes to existing remaining utilities will be identified accurately by the Contractor and provided to the Contracting Officer's Representative for updates to Fort Hood utility maps.

6) Communication: Existing communication lines, associated with older buildings to be demolished and other construction where required, shall be identified to the respective Points of Contact during project design; and specific Notes shall be provided in the approved plans and specification to address disconnection and removal of communication lines.

<u>Type Communication</u>	<u>Point of Contact</u>	<u>Phone</u>
Government phone, fiber, security	Jim Adams Ken Wendland	(254) 287-8464 (254) 286-5336

Commercial Phone (Sprint)	Daryl Jackson	(254) 690-9352
Commercial Cable (Time Warner)	Allan Watts	(254) 258-5774

End of Requirements