

TECHNICAL SPECIFICATIONS

1. SCOPE OF WORK

The scope of work under this contract shall include furnishing and providing required qualified personnel/labor and equipment for the removal of existing water mains and replacing with new class 52 or 54 Ductile Iron Pipe (DIP) water main as directed by the Owner. The scope of work includes but is not limited to;

- excavation of earth/any concrete/bituminous road/driveways to remove existing water main;
- removal of existing: water main, fire hydrants, valve or tee, valves and disconnection of service lines;
- installation of new, properly chlorinated, class 52 or 54 DIP water main (in the same trench where the existing water main was removed), all required fittings, tees and valves to connect the new water main to the existing water main, fire hydrants and all stone bedding as directed by Owner;
- connection of existing house service lines/pipe to newly installed DIP water main;
- backfill and compact the trench, when required.

The Owner will be responsible for sample collection, water quality testing, hauling and disposal of all excavated materials including existing pipe, valves, fittings, etc. The Owner will supply and deliver all required materials to the job site such as bedding materials, pipe, valves, tees, fittings, fire hydrants. The Owner will also be responsible for the removal of any existing trees if needed as well as the restoration of the site.

The Contractor shall be able to provide and continue providing the required qualified personnel and equipment uninterrupted once the existing water line is removed and until the new water main is installed as required under this contract. The Contractor's personnel shall work alongside of, under the direction of, and under the supervision of the Owner's personnel.

2. EQUIPMENT

Contractor shall have the following equipment available & on-site every day in which water main is being installed or relevant work is being completed:

- A. Two (2) Utility Trucks with Tools
- B. One (1) Rammax Trench Compactor or equivalent
- C. Two (2) 2-inch Electric Pumps
- D. One (1) Kubota 080 Excavator or equivalent
- E. One (1) Kubota 121-3 Excavator or equivalent
- F. One (1) Case 590 Backhoe (with extend-a-hoe, and hammer option) or equivalent
- G. One (1) Demo Saw
- H. One (1) Bomag Wacker or equivalent
- I. One (1) Bomag Jumping Jack or equivalent
- J. One (1) Tap Machine (up to 20")
- K. One (1) Compressor
- L. All safety equipment and procedures as required for work performed.