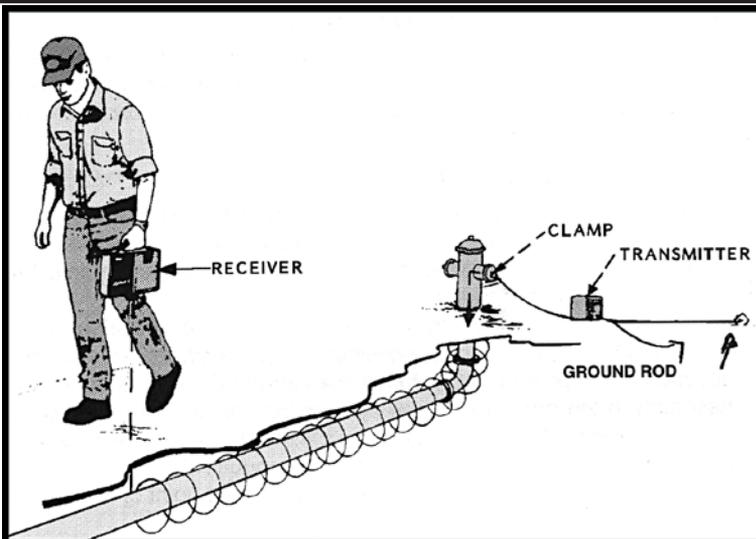


## CONDUCTIVE TRACING (without handle)

The most satisfactory method of tracing when you need to trace an individual pipe when another pipe is nearby is CONDUCTIVE tracing. In the CONDUCTIVE mode, the transmitter energizes the pipe through direct connection. Before attaching the ground rod clamp to the conductor, clean the conductor with a wire brush (this creates a good metal-to-metal contact).

After cleaning, plug the jack into the transmitter and secure the clamp to the pipe or non-energized cable. Place the transmitter in an upright position and as far away from the pipe as possible to the side opposite any other lines. As far away as possible means it will be at 90°.

If you are working in an area with several other conductors near the pipe or cable you want to trace, place the ground plate as close as possible to the point at which you fasten the clip to the pipe or cable. This will reduce the signal strength and reduce the amount of signal induced into another nearby conductor, giving a more concentrated signal in the pipe or cable you are tracing. Never stretch the ground plate across a conductor running parallel to the pipe or cable you are tracing, because even if you are not hooked up to the conductor you crossed over, the signal has



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to cross back past the path of this conductor and will induce a certain amount of signal into it. This signal can mislead you when tracing it out.

If you're working on pavement, simply lay the Ground Rod/ Harness Assembly on its side, parallel to the conductor in the direction of the tracing. Weighting it down with a rock or someone standing on it makes it a better ground contact. If the plate is weighted down in a puddle or at least if the pavement is wet, tracing distance is improved. You may pour some water on the pavement to improve ground contact.