HUMMER 22



The geomagnetic scanning device HUMMER 22 is a multi-uses system which detects and search for data, sewage tubes, cables of electricity and telephone land lines.

This device is characterized by electronic advanced programs which work with the unit of processing to give results and data in a simple way.

The electronic programs show the scanned magnetic field in an advanced 3D system.

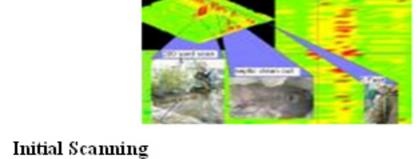
Studying the state of the project of developing and constructing in a historical area, and finding tubes in the ground by the use of HUMMER. 22

Goals:

- Drawing a map for a (Y) sewage tank connected to two houses.
- Determining a location for an old sewage tank and making a connection between it and the new one.
- 3. Determining the direction of the initial electric tubes network from the stable to inside the house.
- 4. Determining 3 main lines for irrigation to the major source of water
- Determining the places of water leakage from which water is poured out of them, where the low water pressure from the beginning of the main water valve, and so the pressure increases by the end of the detecting.
- б. Determining the difference between the major center of irrigation water and the reserve by distributing water.
- 7. System of sequencing the infiltrate which determines the bottom of the irrigation sprinkler's head to the consumed or surplus water.

Tools Used:

- 1. The HUMMER unit with 20 sensors connected to the device.
- 2. Metal device for vibration from SSP series.
- 3.

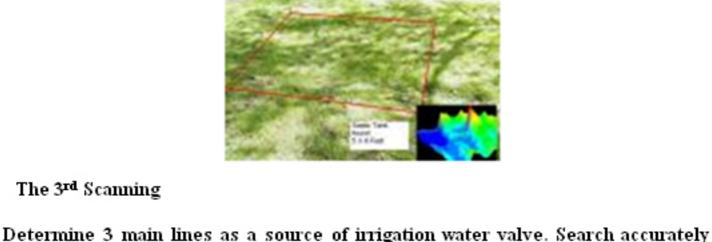


Start with cleaning the impurities and follow the connection (Y) and the distance

of the original tank, dig using a shovel to the target (Y) till you notice the signs of the tubes, after the first cleansing besides (Y) you will find a slow progress in digging with hands, so use a crusher stick for 8 feet to reach for the expected targets. The 2nd Scanning

A connection to (Y) with a new sewage tank will lead to abandoning the old tank and keeping on the flow of wastes to the tank's lines. Determine the original tank

in order to the best conditions for the new sewage tank floor.

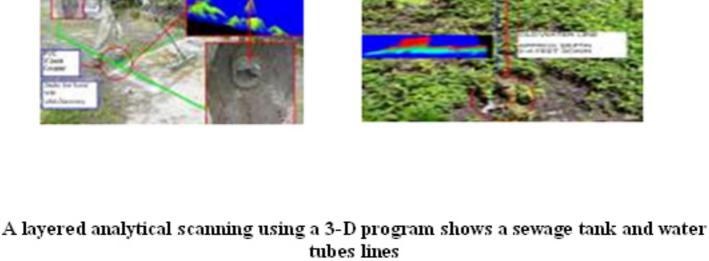


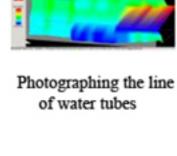
with the device in a direct position, and 20 sensors appear a PVC line in the form of a red straight line which can be distinguished from the colors of the

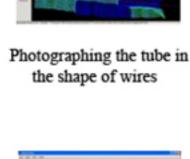
The 3rd Scanning

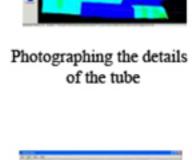
background. At the end of the line (irrigation line), the red straight line stops, and the colors becomes as they were in the beginning. Find a valve box and several lines run from the same line which cuts the way to the irrigation field.



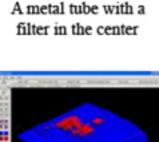


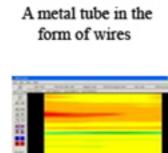


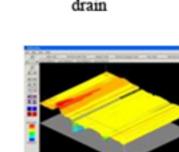




A sewage tank of a water drain

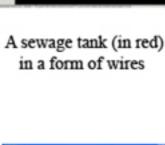


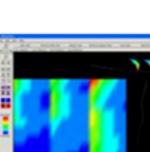




Water drain tank and a

metal tube in the form of wires



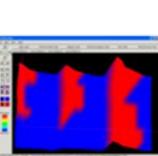


Irrigation field of water

drain

Line of a water drain

tank in blue



Irrigation field of water drain shows the strongest point

