FROM : SUBTRONIC CORPORATION FAX NO. : 9256865281 Jul. 22 1999 03:09PM P1

Subtronic Corporation, 2099 C Arnold Industrial Way
Telephone: (925) 686-3747 Fax: (925) 686-5281

To: Michael Tanzillo
Company: MTC
Fax No: (510) 538-0469

Total pages: 5

Thursday, July 22, 1999

Message:

Following is the Geophysical Investigation for Paul Wilson at 22315 Redwood Road, Castro Valley that Paul asked me to fax to you. I mailed the original to him.

Please call me if you have any question.

Yours sincerely,
Subtronic Corporation

Cheri Aubert

Cheri Aubert
Office Administrator

subtronic corp.
Complete Professionals for Utilities.
Location, Mapping, Inspection & Leaks
2099-C Arnold Industrial Way
Concord, California 94520
Telephone (925) 686-3747
Fax No. (925) 686-5281

GEOPHYSICAL SUBSURFACE INVESTIGATION
for
PAUL WILSON
at
22315 Redwood Road
Castro Valley, California

Subject
Geophysical subsurface investigation for underground storage tanks (USTs) and UST excavations.

Site Location and Description
On July 20, 1999, Subtronic conducted a subsurface geophysical survey at a 22315 Redwood Road, in Castro Valley, California. The area surveyed consists of the paved area and the planter west of the strip mall. The parking stalls in front of 7-11 store could not be surveyed because there was a constant flow of cars coming in and out of the parking stalls.

Geophysical Equipment
The specialized equipment used at the site includes a TW-6 M-Scope, a magnetic locator (the Schonstedt GA-72CV) and ground penetrating radar (GPR).

Magnetic Locator
The Schonstedt Instrument Company GA-72CV is a hand-held magnetic locator designed to detect magnetic objects made of iron and steel buried up to a depth of eight feet below the surface.

Primary applications of the magnetic locator are locating UST's, buried drums and underground pipes.

TW-6 M-Scope
The Fisher TW-6 M-Scope is a split box inductive locator and metal detector mounted on a four foot rod. The split box locator can detect metal lines "inductively". The M-Scope is also used to detect buried metallic objects such as manhole covers, underground storage tanks, etc...

Ground Penetrating Radar (GPR)
A ground penetrating radar system graphically records subsurface structures. Both geological and manmade structures are recorded by the introduction of a pulse of electromagnetic energy into the ground. Reflected pulses received by the antenna

are then processed for measurable contrast in electrical properties. The result is a visual pseudo-cross-sectional profile.

Primary applications of the GPR are detecting UST's, buried drums, previously excavated areas, i.e., UST excavations, and detecting metallic and non-metallic utilities.

The GPR depth penetration is severely limited by clay-rich soil. Radar waves penetrate deeper in sandy and gravely soils. GPR penetration is limited at many sites in the "Bay Area" due to the clay type soil. However if the UST is backfilled P-gravel the GPR will provide a nice image of the UST.

Survey Methodology

First, a visual inspection was conducted at this site. Underground utilities, vaults, boxes, exposed piping and UST-related features such as vent pipes, product lines, fill ports, topographic mounds and depressions were noted. Any UST fill ports found were physically probed to determine size, orientation and depth.

Exposed piping or risers found on the site were energized, traced out and the surface location was spray painted on the ground. The site was then scanned with both the M-Scope and the magnetic locator for piping and possible buried UST's along traverses spaced approximately five feet apart. GPR scans were collected along profiles spaced ten feet apart to detect either USTs or UST excavations.

Results of the Subsurface Investigation

No UST related features were observed. The magnetic locator detected two small anomalies in the parking lot (see site sketch). One of these anomalies is adjacent to an area of low conductivity detected by the M-SCOPE. The area of low conductivity may represent different backfill material (such as a UST excavation). The M-Scope anomaly is in the vicinity of USTs represented on the client's site sketch. Subtronic interprets these anomalies as the possible location of the UST excavation site.

GPR scans of the parking lot do not show obvious signs of a UST excavation.

Conclusions

Based on the detection of the low conductivity anomaly and that no large metallic anomalies were detected. The data suggests that the USTs have been removed.

Limitations

The subsurface geology, object size and composition, burial depth, and surface interference are all major factors as to whether the object will be detected by surface geophysical methods. These are all factors beyond Subtronic's control. The results of geophysical surveys may not represent unique solutions. Apparently similar anomalies may be created by different subsurface phenomena.

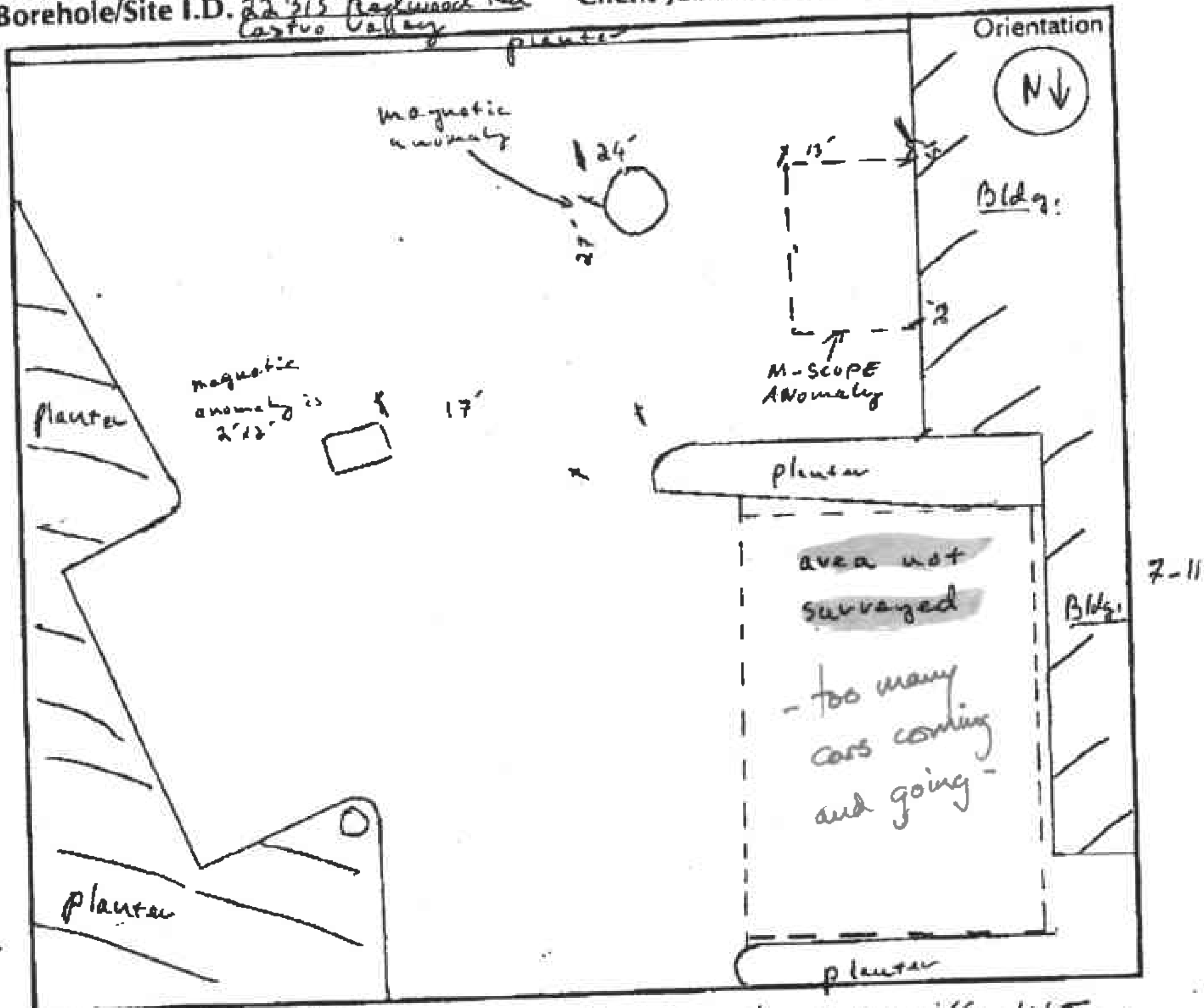
The limits of discernment of this survey are estimated to be objects less than two cubic feet, or fifteen gallons, objects buried greater than ten feet and areas within eight feet of metal fences, buildings and vehicles.

Report Prepared By: Pierre S. Armand, MS
License No. GP 1021

Report Checked By: Chris Aubert
for Jon Taylor

SUBTRONIC UTILITY SURVEY

Client: Paul Wilson
Date: 7/
Project: ~~[illegible]~~
Subtronic Job No: 512275
Borehole/Site I.D. 22315 Redwood Rd Castro Valley
Client Job Ref:



Utility drawings used: M-Scope anomaly may be a possible UST excavation
magnetic anomalies are small and probably represent
Utilities which were not located and why? metallic objects left in the ground.

Notes:

Client's Signature.
Print Name
Surveyor Pierre
Copy given/faxed to Client on?

SUBTRONIC CORPORATION
2099C Arnold Industrial Way, Concord, CA 94520 Tel: 510-686-3747

MTC

Michael Tanzillo & Co.
Real Estate Brokerage

20980 REDWOOD ROAD, SUITE 210
CASTRO VALLEY, CA 94546
(510) 889-9157 • Fax (510) 538-0469

FAX FOR YOU

FAX # (510) 538-0469

NUMBER OF PAGES 5 **INCLUDING THIS PAGE**

DATE: 7-28-99

TO: Scott Seery

FROM: MIKE TANZILLO

Please Find Copy of SUBTRONIC's Report we spoke About This Morning

THANKS MIKE

IF THIS FAX DID NOT COME THROUGH CLEARLY, PLEASE CALL US AT (510) 889 9157 AND WE WILL FAX AGAIN.