FAX BEING SENT BY:

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DATE: 6/8/92

TO: Jennifer Eberley

FROM: Craig Hertz

NUMBER OF PAGES TO FOLLOW: 3

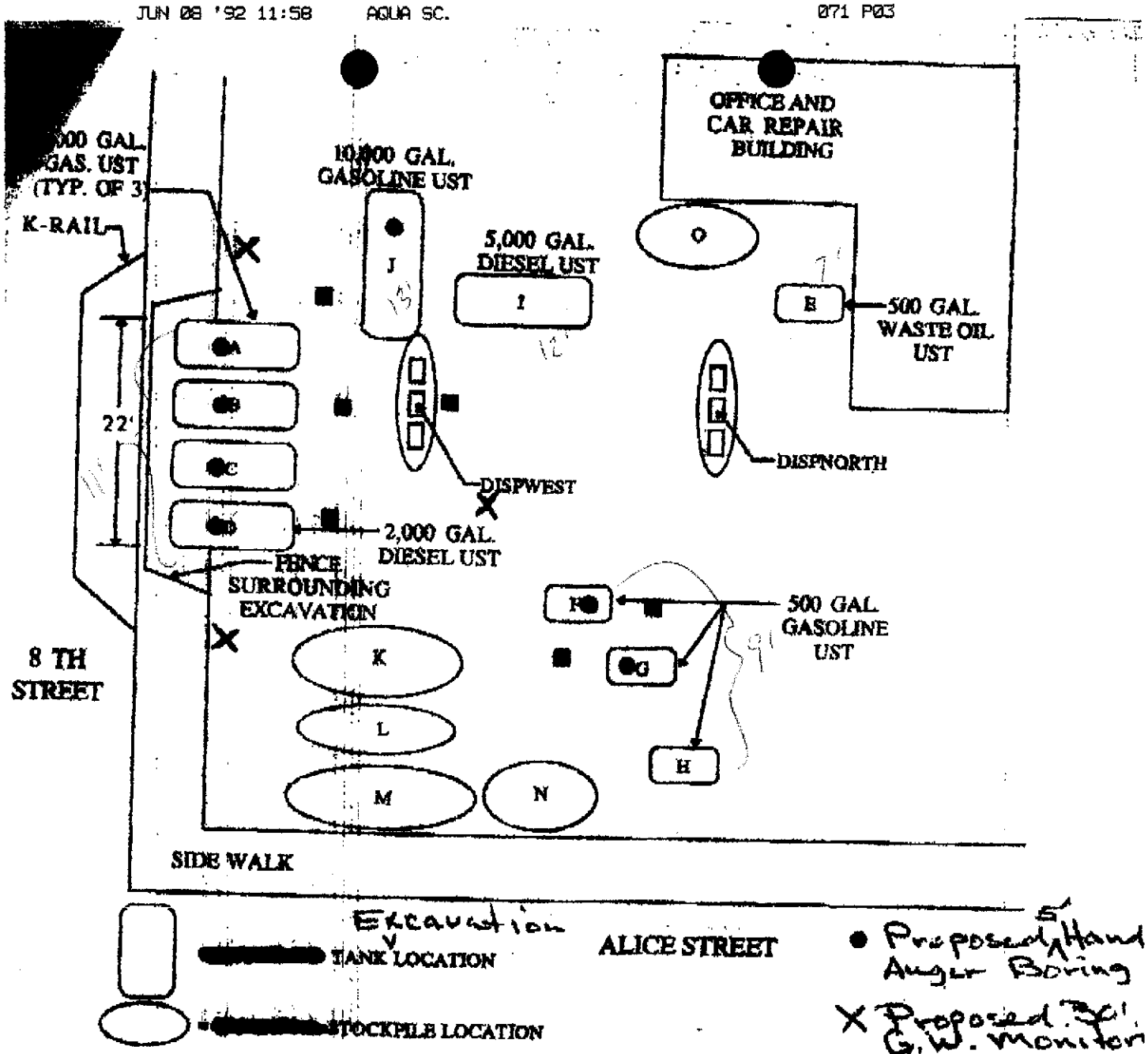
------ PLEASE PHONE IF THE MESSAGE WAS RECEIVED INCOMPLETE ---------

COMMENTS:

① Why wasn't E + O sampled for BTEX? It was

② need a new w/in 10' of E
→ either define lat. extent now or later
4 sidewalls — SBs
test for all waste oil constituents → advance sample 1'

③ take samples for 3 mins ea 5' until gw.



STOCKPILE SCHEDULE:

K - STOCKPILED SOIL FROM THE (4) 2,000 GALLON UNDERGROUND STORAGE TANKS.

L - STOCKPILED SOIL FROM THE (1) 5,000 GALLON DIESEL UNDER-GROUND STORAGE TANKS.

M - STOCKPILED SOIL FROM THE (1) 10,000 GALLON GASOLINE UNDERGROUND STORAGE TANK.

N - STOCKPILED SOIL FROM THE (3) 500 GALLON GASOLINE UNDER-GROUND STORAGE TANKS.

O - STOCKPILED SOIL FROM THE (1) 500 GALLON WASTE OIL UNDER-GROUND STORAGE TANK.

depth of excavation (ft)

AQUA SCIENCE ENGINEERS, INC
FIGURE 1: Site Plan at 250 8th Street Oakland, California 94607

SCALE: 1" = 20'

2.0 SERVICES TO BE PROVIDED--GROUNDWATER ASSESSMENT

1) Prepare a groundwater assessment and monitoring plan for the Alameda County Water District (this may be presented as part of the soil assessment workplan above). Obtain well installation permits.

2) Drill three 30 ft. 10 inch diameter borings with a rotary drill rig and hollow stem auger (see Figure for locations). Place drill cuttings in contaminated spoils piles.

3) Log borings according to the Unified Soil Classification System.

4) Collect soil samples at 5, 10 and 15 ft. (to groundwater).

5) Install three 30 ft. by four in. diameter PVC groundwater monitoring wells with 12 ft. bentonite/cement seals, locking caps and flush-mounted steel street boxes.

6) Develope wells as specified by the Alameda County Water District. Drum purged groundwater for proper disposal by owner.

7) Collect groundwater samples from each well.

8) Analyze soil and groundwater samples at a Cal EPA Certified Laboratory as follows:

SOIL	TPH G by EPA 5030/8015 TPH D by EPA 3510/8015 BTXE by EPA 8020
GROUNDWATER	TPH G by EPA 5030/8015 TPH D by EPA 3510/8015 BTXE by EPA 8020

9) Survey well head and groundwater elevations for three wells. Determine the groundwater flow direction and gradient.

10) Prepare a project report (may be combined with soil assessment report above) which will include:

a. Description of project and methods.
b. Soil boring and well installation logs.
c. Cal EPA Certified Analysis Reports.
d. Groundwater gradient, direction and estimated velocity

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To Jerry & Craig - Review careful!

March 27, 1992

AQUA SCIENCE ENGINEERS
PROPOSAL FOR SOIL AND GROUNDWATER CONTAMINATION ASSESSMENT
ASE PROPOSAL #XXXXXXXXX

SITE: Exxon Service Station
250 8th Street
Oakland, CA 94607

1.0 SERVICES TO BE PROVIDED--SOILS ASSESSMENT

1) Prepare a soil and groundwater assessment workplan for the Alameda County Water District.

2) Drill six 15 ft. soil borings (see enclosed Figure for boring locations). Collect soil samples at 5, 10 and 15 ft.

3) Drill seven 5 ft. deep hand auger borings in the tank excavations (see enclosed Figure for boring locations). Collect soil samples at 5 ft. (15 ft. below surface elevation).

4) Log soil borings according to the Unified Soil Classification System.

5) Place all drill cuttings in contaminated spoils piles for proper disposal. Backfill borings with cement slurry.

6) Submit a total of 25 soil samples (eight to be analyzed for diesel and 25 for gasoline) to a Cal EPA Certified Laboratory for chemical analysis using:

Gasoline...TPH by EPA 5030/8015
BTXE by EPA 8020

Diesel....TPH by EPA 3510/8015
BTXE by EPA 8020

7) Prepare a project report which will include:

a. Description of project and methods.
b. Description of previously conducted assessment.
c. Soil boring logs.
d. Cal EPA certifed analysis report.
e. Conclusions regarding soil conditions.