Underground Storage Tank
Closure Report

For

Fulmer's Garage
Chestnut St. & Buckeye Rd.
Emmaus, Pa. 18049

Prepared By:

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Comp. Cert. # 566
Cert. Inst. # 255
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June 1993

PA. Dept. of Environmental Resources Underground Storage Tank Closure Report for the

1. Name, location, ownership and I.D. number of facility

Facility name and address	Fulmer's Garage Chestnut St. & Buckeye Rd. Emmaus, Pa. 18049
Facility I.D. number.	39-27735
Tank registration number.	001-002 003-005

(See Appendix 3 for tank registration form)

2. Date of tank closure.

Gasoline tank 1	May 25, 1993
Gasoline tank 2	May 20, 1993
Gasoline tank 3	May 20, 1993
Kerosene tank 5	May 20, 1993

3. Number, capacity, and constrution of tanks closed

The follow UST was closed at the Fulmer Garage site.

	Construction	Capacity
Tank 1	steel	10,000 gallon
Tank 2	steel	6,000 gallon
Tank 3	steel	4,000 gallon
Tank 5	steel	550 gallon

4. Site photographs were taken of tank and tank excavation during removal procedure. (see next page)

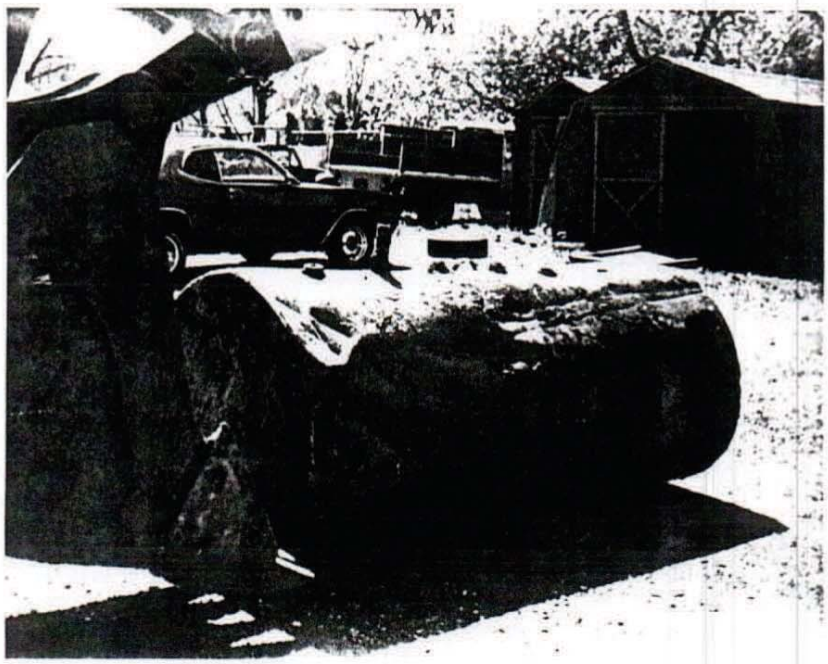
5. Pertinent maps (topographic, water table contour,etc. of site)

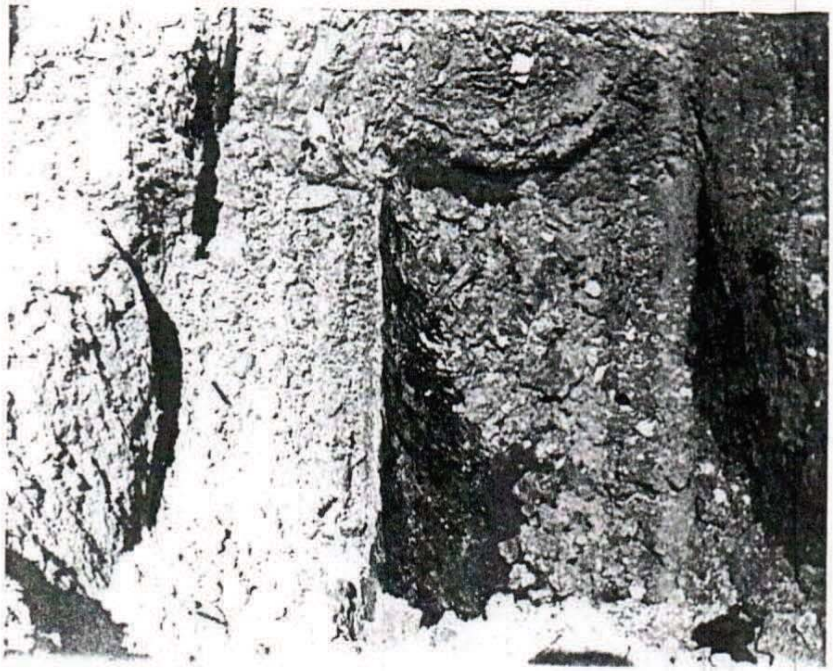
See figure 1.

6. Plot map of site
See Figure 2

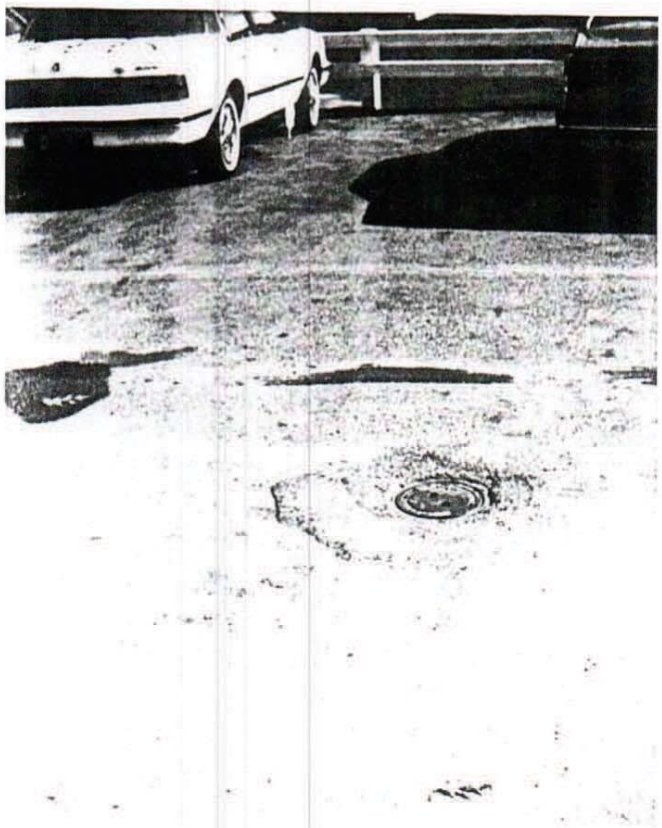
Above: Tank area before excavation

Below: 1,000 tank after removal





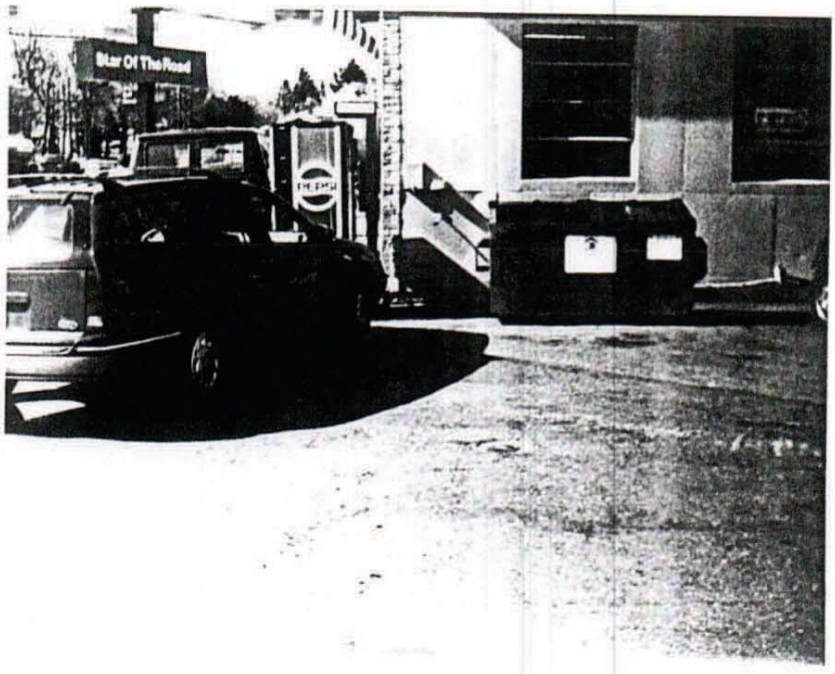
Above & Below: Excavation after 1,000 tank removed



Above: 6,000 tank area before excavation

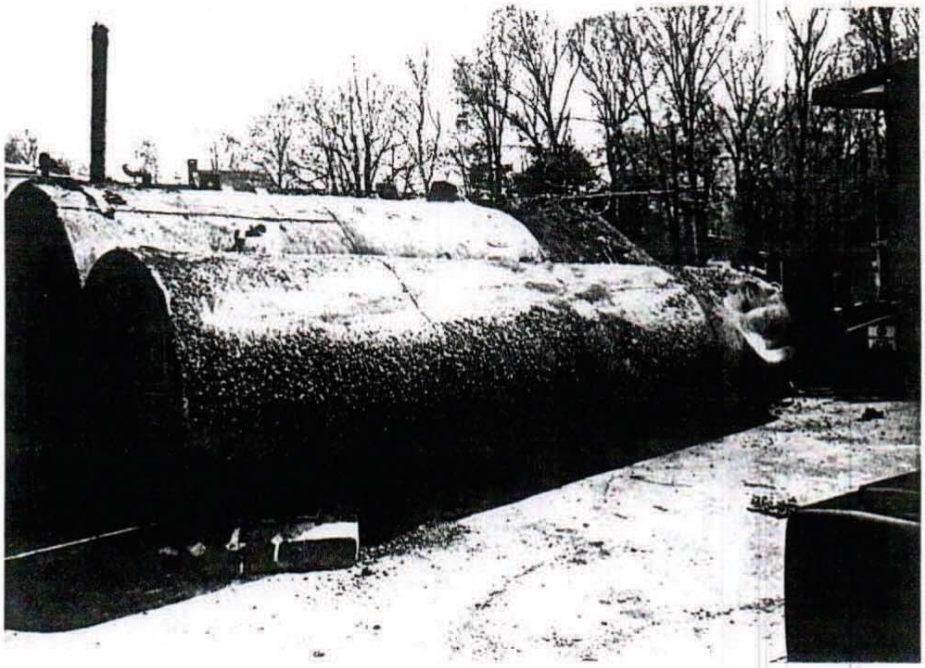
Right: 4,000 tank area before excavation

Below: 10,000 tank area before excavation



Above: 6,000 tank after removal

Below: Excavation after 6,000 tank removed

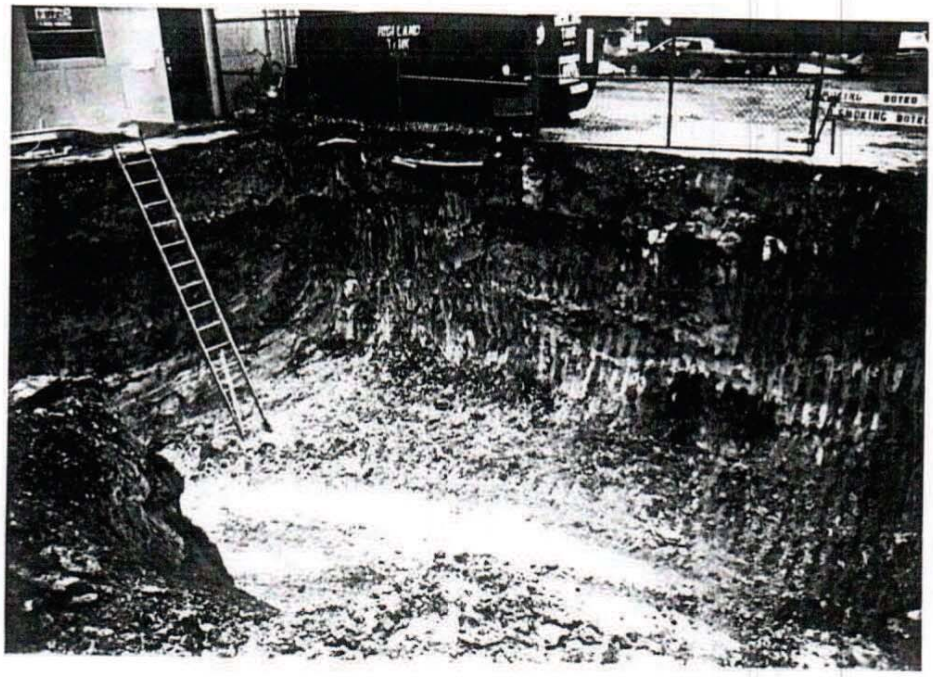


Above: 4,000 tank after removal

Below: Excavation after 4,000 tank removed

Above: Excavation after 4,000 & 6,000 tanks removed

Below: Excavation after remediation and prepared for new tank installation



Above: 10,000 tank after removal

Below: Excavation after 10,000 tank removed

7. Description of site and the operations coducted at the site (historical and present)

Presently located on site is the Fulmer's Garage site which has been in operation for the last nine years. Site is used for the repairs of automobiles and gasoline sales to the public. Site was originally built as service station between the last 30 to 50 years and was vacant lot before construction of the facility. Tanks were used for gasoline sales to the public.

8. Regulated substances and physical hasards presented on site.

Petroleum hydrocarbon products were present on site in the form of gasoline and kereosene. Characteristics and physical hazards are described in the Material Safety Data Sheet in Appendix 1.

9. Sample collection and preservation methods

Seven samples were taken from the tank excavation: one from the soil above and around the tanks, three from directly beneath the tanks, and three from three feet below the tank bottom. Additional samples were taken at greater depths to accommodate high readings on certain tanks.

All samples obtained on site were collected with a stainless steel trowel. The trowel was cleaned after each sample with methanol and dionized water as per EPA specifications. Samples were placed in glass jars with teflon lids upon collection.

All samples were labeled (date and location) and were kept at company premisis and chilled till picked up by lab. Chain of custody documentation can be seen in Appendix 2.

10. Equipment decontamination procedures.

The stainless steel trowel used in sample collections was

decontaminated at company premisis by washing with liquinox and tap water, rinsing with methanol and dionizer water The trowel and the core sampler were put in plastic bags and taken to job site. Decotamination on job site was performed by dionized water rinse, methanol rinse, and dionized water rinse.

11. Summary of all sampling data and written interpretation of data

See Table 1 for soil analysis results.
Seven samples were taken from the tank excavation: one from the soil above and around the tanks, three from directly beneath the tanks, and three from three feet below the tank bottoms. Samples from the 4,000 & kero tank showed elevated levels indicating some contamination. Samples from the 6,000 showed elevated levels directly beneath the tank and one from three feet below the tank. Samples from the 10,000 showed elevated levels directly beneath the tank from the middle to the vent. Three foot samples were clean. Samples were taken at a depth of six feet below all affected areas and were found clean.

12. Controls taken to minimize risks to the public.

Warning barricades with NO SMOKING signs painted on them were placed around tank excavation along with the equipment. Orange safety fencing was also placed around the tank excavations.

13. Controls taken to reduce migration of surface runoff of regulated substances or contaminants

All soil from the tank excavations was placed on plastic and surrounded with bales of straw to prevent movement of soil and runoff.

14. Control taken to monitor and migrate fire, explosion, and vapor hazards.

Tank was emptied and all openings were plugged.

15. Identification and removal of free contaminants in ground water including type recovery system used.

No ground water was present in tank excavations so no water was affected.

16. Activities related to the removal of contaminated soil.
All soil from beneath the 4,000 & 550 tanks was removed to a depth of six feet.Soil directly beneath the 10,000 was removed to a depth of one foot. Soil from the 6,000 was removed a depth of three feet and six feet at the vent end. All soil was placed on plastic and covered awaiting removal by waste management company.

17. Activities related to the removal of tanks or other containers that contain, may contain, or contained regulated substances.

The removal of four tanks included the removal of the paved area above the tanks. The tanks were then uncovered and all piping was disconnected and removed. All tank openings were then plugged. The tanks were then removed and samples were taken immediately after removal. Upon remediation of the tank area the excavation was then prepared for the installation of new tanks. Tanks were entered and cleaned before removal from site.

18. Containment, treatment, transport,storage, disposal or incineration of regulated substances.

All remaining fuel in tanks was pumped into skid tanks and kept on site. Fuel was pumped into new tanks after installation. Remaining tank residue was placed in sealed drums and taken by waste company.

19. Alternative water supply provided and/or treatment of existing supplies.

No ground water was present in tank excavation so no water was affected. All water is from city pipeline.

20. Ventillation systems for buildings, utility lines or vaults that are collecting vapors.

None necessary.

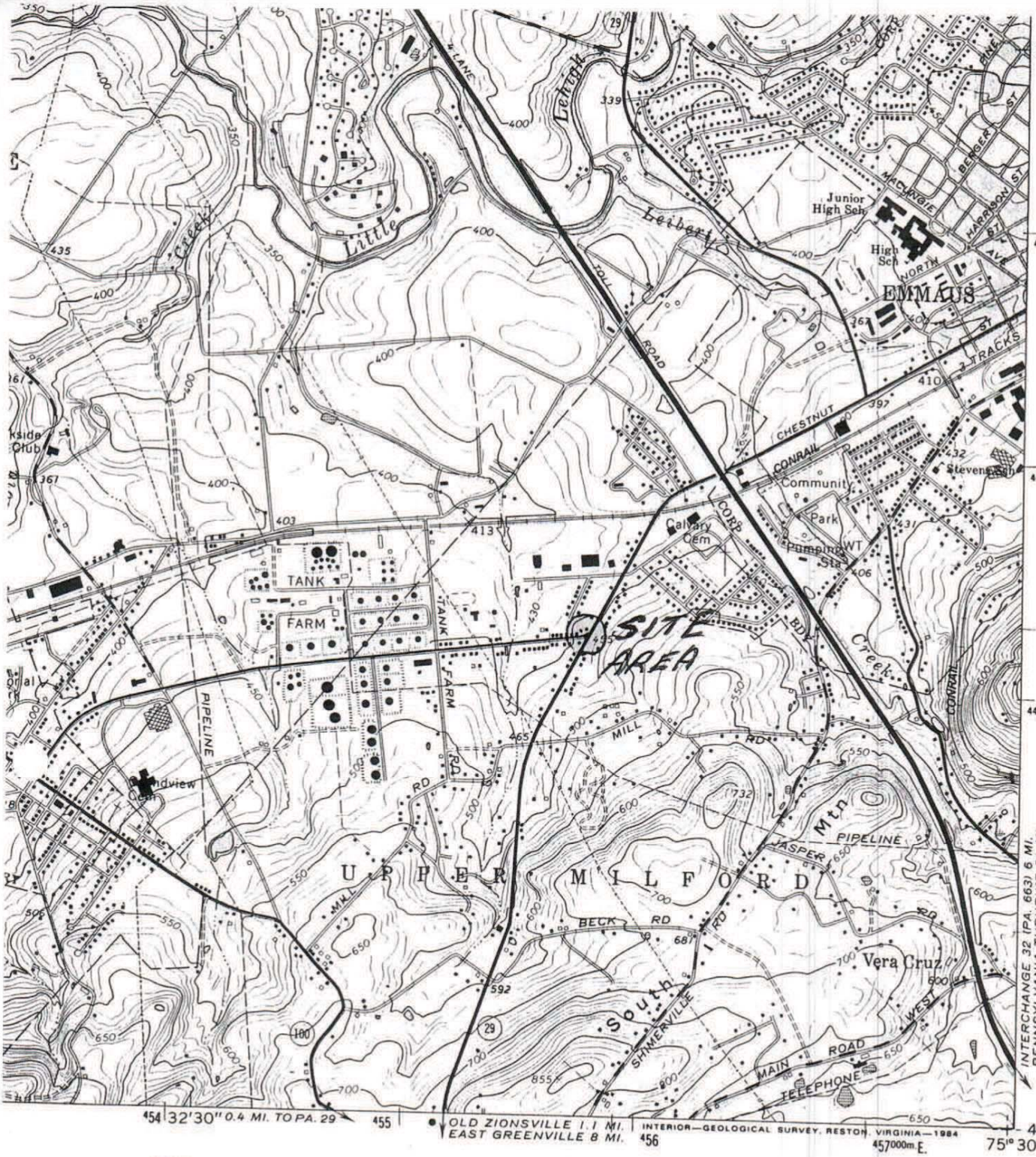
21. Necessary permits obtained.

Pa. Dept. of Environmental Resources was notified 30 days prior to tank closure. Permits were required for the boro of Emmaus and were secured by the contractor.

22. Elapsed time from sample collection to lab analysis

The elapsed time from sample collection to lab analysis was four days.

FIGURES I AND II



1 MILE

7000 FEET

1 KILOMETER

ROAD CLASSIFICATION

Heavy-duty — Light-duty

Medium-duty — Unimproved dirt

Interstate Route — U. S. Route — State Route

PENNSYLVANIA

QUADRANGLE LOCATION

(MILFORD SQU. 5964 IV NW

tDS

2

ON REQUEST

Revisions shown in purple and woodland compiled in cooperation with Commonwealth of Pennsylvania agencies from aerial photographs taken 1981 and other sources. This information not field checked Map edited 1984

ALLENTOWN WEST, PA.

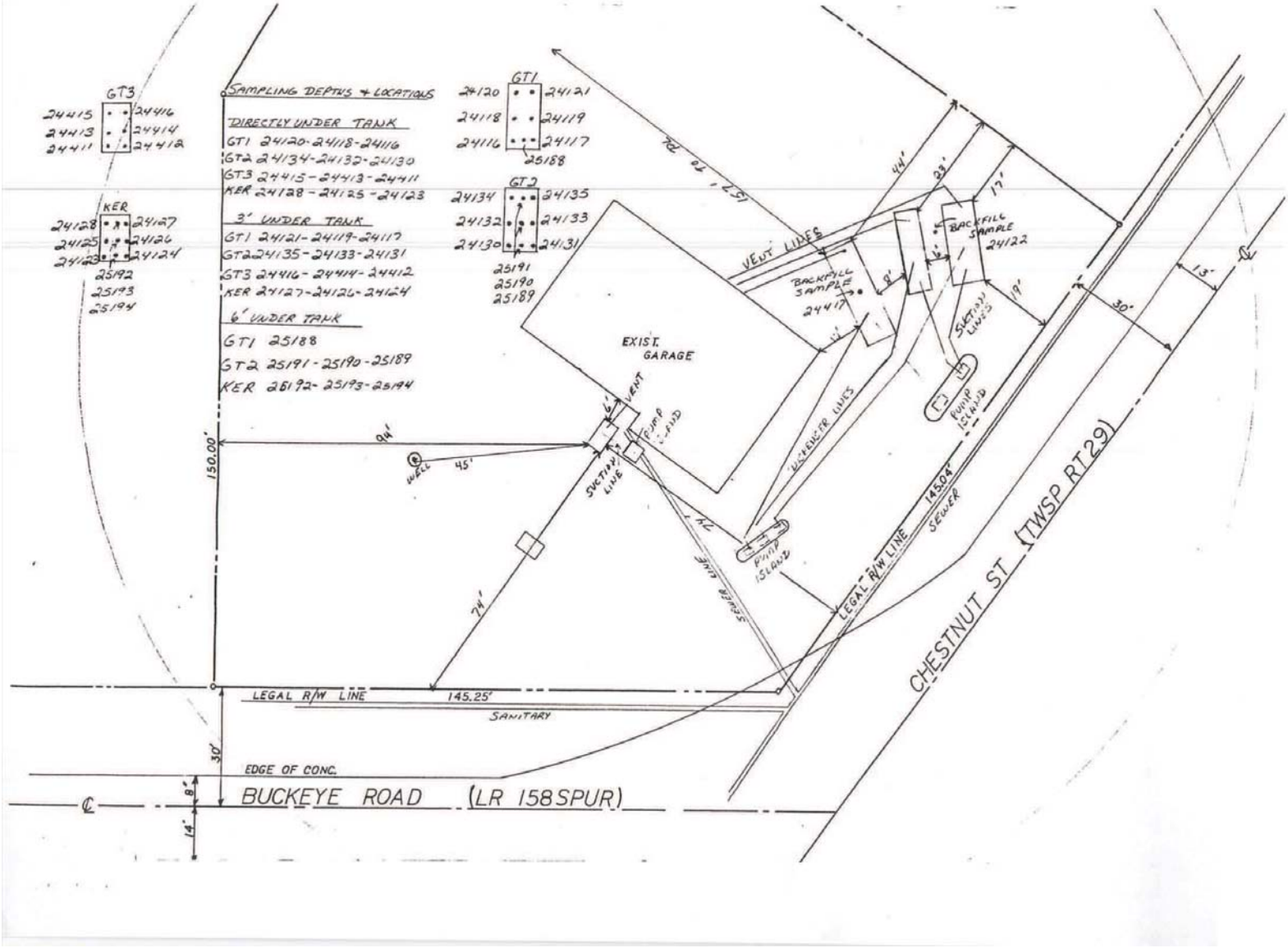
SE/4 ALBURTIS 15' QUADRANGLE

40075-E5-TF-024

1964

PHOTOREVISED 1984

DMA 5865 II SE—SERIES V831


GT3
24415 24416
24413 24414
24411 24412
KER
24128 24127
24125 24126
24123 24124
25192
25193
25194
SAMPLING DEPTHS & LOCATIONS
DIRECTLY UNDER TANK
GT1 24120-24118-24116
GT2 24134-24132-24130
GT3 24415-24413-24411
KER 24128-24125-24123
3' UNDER TANK
GT1 24121-24119-24117
GT2 24135-24133-24131
GT3 24416-24414-24412
KER 24127-24126-24124
6' UNDER TANK
GT1 25188
GT2 25191-25190-25189
KER 25192-25193-25194
GT1
24120 24121
24118 24119
24116 24117
25188
GT2
24134 24135
24132 24133
24130 24131
25191
25190
25189
EXIST. GARAGE
VENT
PUMP ISLAND
WELL
45'
94'
150.00'
SUCTION LINE
74'
VENT LINES
BACKFILL SAMPLE 24117
BACKFILL SAMPLE 24122
SUCTION LINES
UNDERGR. LINES
PUMP ISLAND
LEGAL R/W LINE
145.04'
SEWER
SEWER LINE
CHESTNUT ST (TWSP RT 29)
LEGAL R/W LINE 145.25'
SANITARY
EDGE OF CONC.
BUCKEYE ROAD (LR 158 SPUR)
30'
8'
14'
44'
23'
17'
8'
6'
19'
13'
30'

1.0 View of Project location

2.0 View along Chestnut Street to the Southwest.

3.0 View from project location to the south.

4.0 View along Chestnut Street to the northeast.

5.0 View of the rear of project location to the northwest.

6.0 View to the west toward Buckeye road.