INTERNATIONAL TECHNOLOGY CORPORATION

:41

6/30/88

June 30, 1988

Mr. Michael Slessarev
Senior Production Engineer
FABCO Automotive Corporation
P.O. Box 8276
Oakland, California 94662

Dear Mr. Slessarev:

SUBJECT: CONTAMINATED SOIL REMOVAL (BIN AREA)
IT PROJECT NUMBER 190348.

IT Corporation (IT) completed the removal of contaminated soil at the FABCO Automotive Corporation (FABCO) facility in Oakland. Included in this removal was the remediation work for the Bin Area site. This report describes the work completed.

IT recommends FABCO attach a cover letter to copies of this report and submit one to the following agency:

- Lowell Miller
  Alameda County Health Department
  Hazardous Material Division
  80 Swan Way, Room 200
  Oakland, California 94621

SUPPORT DOCUMENTS

- Initial Assessment
- Chain of Custody Records
- Request for Analysis
- Sample Location Maps
- Laboratory Analytical Results Reports
- Copies of Manifests

BACKGROUND

The property located at 1249 67th Street in Oakland had a scrap metal bin storage area (see Initial Assessment attached). These bins had leaked a small amount of cutting oils onto the underlying asphalt. The asphalt had

deteriorated and the oils began to spread. FABCO has stopped storing scrap metals in this fashion and requested a clean-up plan from IT Corporation.

EXCAVATION AND DISPOSAL

After collecting predisposal samples (N1, N2, N3 & N4, see sample results) excavation began. Four to six inches of oil sludge on top of the asphalt, two to three inches of deteriorated asphalt and three to four inches of base rock were removed and stockpiled on visqueen. At this point in excavation work no visible product was noted. A sample collection grid was made to ensure complete coverage of the excavation area. All contaminated soils were transported and disposed of at IT's PWI disposal facility EPA ID number CAD 980675276, under Manifest numbers 87992141, 87992140, 87992139, 87992138.

SAMPLING

A sample grid was laid out (see Sample Location Map) and soil samples were collected to confirm clean soil at the perimeter of the excavation. The first report indicated results below the threshold level for soil removal (1000 ppm), except composite P5-P6. After discussing these results with the client a plan to resample without compositing was requested. Samples R5 and R6 indicated levels below the threshold level for soil removal. During excavation into the soil below the base rock, an array of debris was noted (i.e., wood chuncks, concrete, red brick, roofing shingles). These materials may have contributed to the high levels reported in composite P5-P6.

CONCLUSION

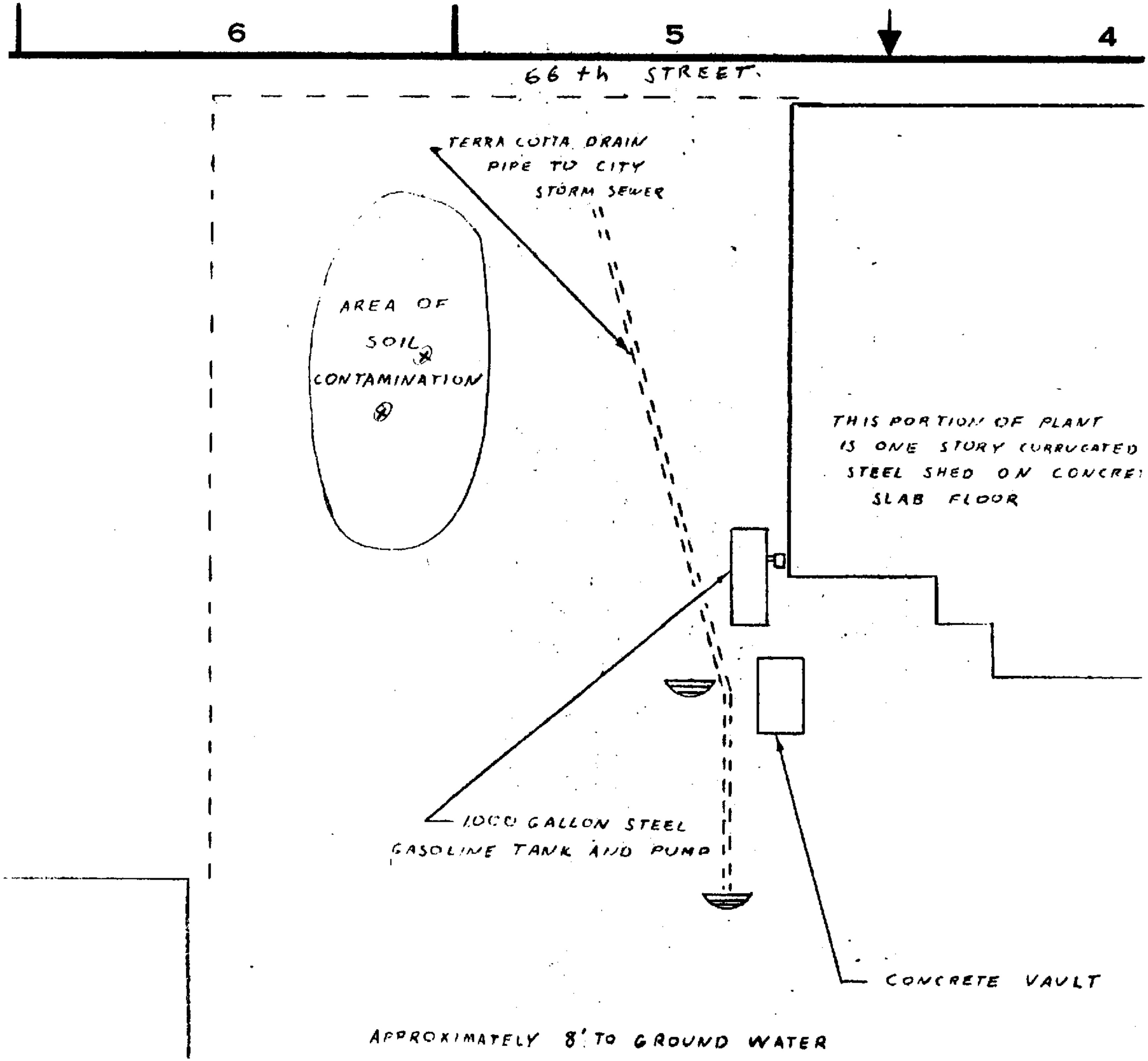
Alameda County Health Department Hazardous Materials Division gave clearance to resurface upon delivery of analytical results, (reports #58-05-132-01 and 58-05-132-02).

This report summarizes the work conducted at this FABCO facility. If there are any questions please contact me at (415) 372-9100.

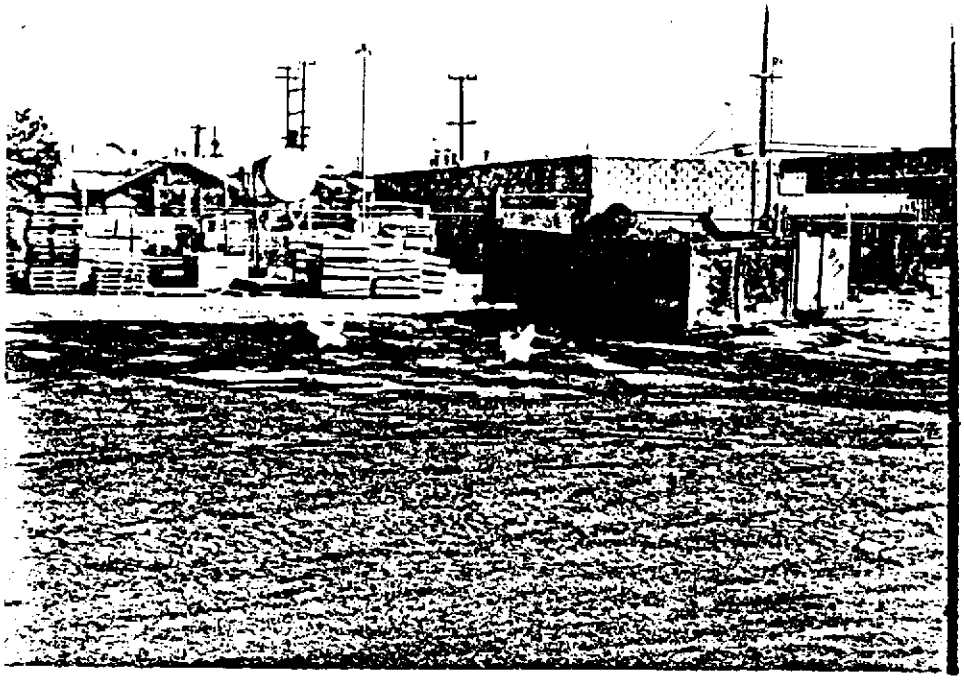
Sincerely,

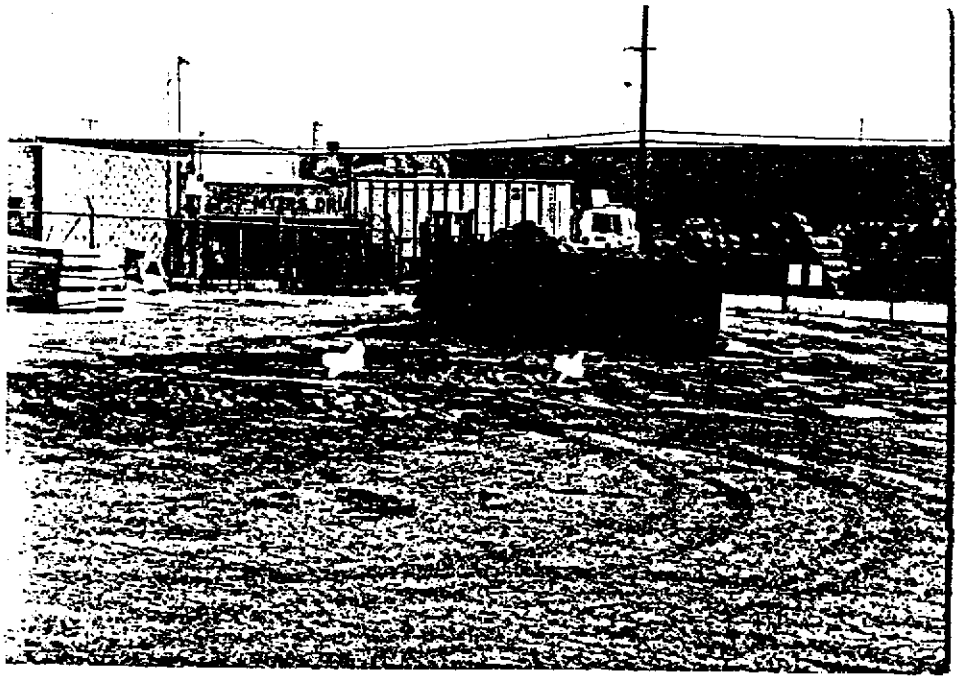
Dan Friberg
Assistant Project Engineer

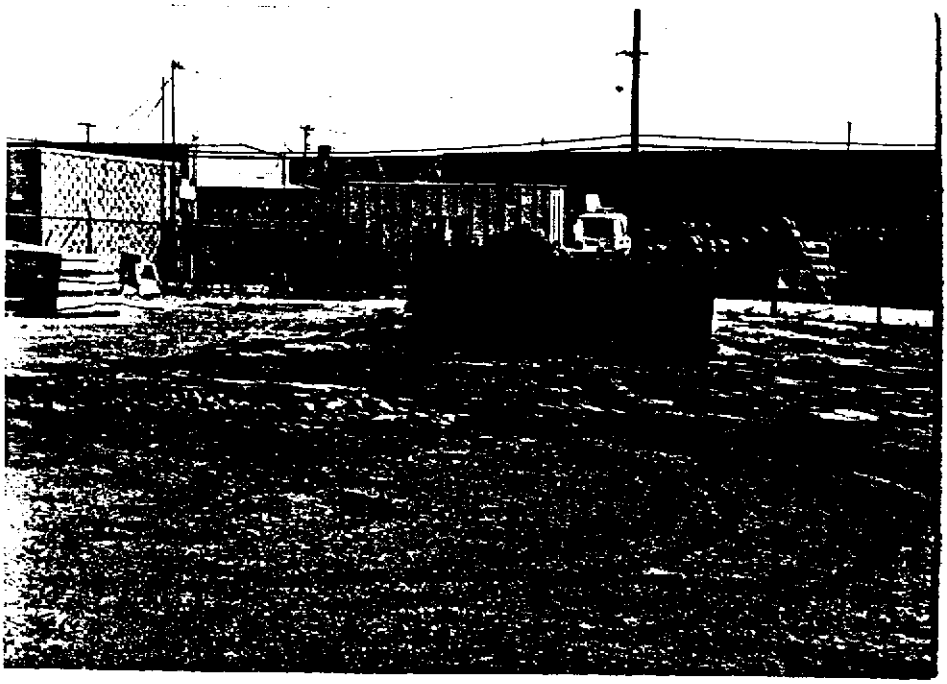
RDF:ls/LTR:3724



initial Assessment







IT INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

41228

R/A Control No. 031784

C/C Control No. 031248

PROJECT NAME/NUMBER EaCo 190348

LAB DESTINATION IT Cerritos

SAMPLE TEAM MEMBERS Dan Faiberg

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
A1	Bin Area — soil grade	2-8-88 - 100	Soil	Brass Tube		
A2	" " 9"-12"	2-8-88 1:30	"	"		
A3	" " grade	"	"	"		
A4	" " 9"-12"	"	"	"		

COPY

Special Instructions: call Dista Marz, Dan Faiberg If you have any questions.

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Dan Faiberg IT Eng 2-10-88 12:00

   Received By: Scott [illegible] 2/11/88

2. Relinquished By: TS 2/11/88

   Received By:

3. Relinquished By: TS 2/11/88

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

44823

REQUEST FOR ANALYSIS

R/A Control No. 031784
C/C Control No. 031248

PROJECT NAME: EABCO
PROJECT NUMBER: 190348
PROJECT MANAGER: Dale Marr
BILL TO: 4585 Pacheco
Martinez CA 94553
PO 3541

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 2-10-88
LAB DESTINATION: IT Pittsburg
LABORATORY CONTACT: Karen Jozefiak
SEND LAB REPORT TO: Dale Marr
4585 Pacheco
Martinez CA 94553
DATE REPORT REQUIRED: 3-3-88
PROJECT CONTACT: Dan Fribergs
PROJECT CONTACT PHONE NO.: 415-372-9100

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
A1-A2	Soil	1 - 2"x6" TuBe	Keep cold	For both samples:	Each six (6) inch
A3-A4	Soil	1 - 2"x6" TuBe	Keep cold	PP 10A 8240, PP BAA 8270, PP pcb/past 8080, HSL metals, CN, phenol, oil & grease 413.1, TPH 8015 modified.	Shelby tube holds two (2) three (3) inch grab samples. A total of two (2) Shelby tubes containing four (4) samples are in this package. Please combine the four (4) samples into a single representative composit and analyze.

COPY

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)
Nonhazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)
Return to Client _____ Disposal by Lab ✓

FOR LAB USE ONLY
Received By Scott Sudell Date/Time 2/11/88

WHITE - Original, to accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 031786

C/C Control No. 031251

PROJECT NAME/NUMBER FABCO 190348

LAB DESTINATION IT SANTA CLARA

SAMPLE TEAM MEMBERS DAN FRIBERG

CARRIER/WAYBILL NO. _____

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P1 + P2	PARKING AREA SOIL	3-29-88 10:00 AM	SOIL	BRASS TUBE		
P3 + P4	"	3-29-88 10:15 AM	"	"		
P5 + P6	"	3-29-88 10:30 AM	"	"		

Special Instructions: KEEP SAMPLES COLD. CALL DAN FRIBERG IF ANY QUESTIONS ARISE.

Possible Sample Hazards: _____ 415-372-9100

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: [signature] IT ENG, 3-31-88 4:00 p.m.

   Received By: _____

2. Relinquished By: _____

   Received By: _____

3. Relinquished By: _____

   Received by: _____

4. Relinquished By: _____

   Received By: _____

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 031786
C/C Control No. 03/251

PROJECT NAME: FARCO
PROJECT NUMBER: 190348
PROJECT MANAGER: Sara Marz / Gillian McGuire
BILL TO: 4585 PACHECO
MARTINEZ CAL 94553

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 3-31-88
LAB DESTINATION: IT SANTA CLARA
LABORATORY CONTACT: Fred Bruse
SEND LAB REPORT TO: Dan Fribey
4585 PACHECO
MARTINEZ CAL 94553

DATE REPORT REQUIRED: 4-13-88
PROJECT CONTACT: Dan Fribey
PROJECT CONTACT PHONE NO.: 415-372-9100 ext 3107

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P1 + P2	Soil	2 - 2"x6" TUBES	Keep cold	On Hold will	composite TUBES
P3 + P4	Soil	"	"	call in to Fred	P1+P2 - 1 sample
P5 + P6	Soil	"	"	Bruse.	P3+P4 - 1 sample
					P5+P6 - 1 sample

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)

Normal X **Rush** _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)

Nonhazard X **Flammable** _____ **Skin Irritant** _____ **Highly Toxic** _____ **Other** _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)

Return to Client _____ **Disposal by Lab** X

FOR LAB USE ONLY

Received By _____ **Date/Time** _____

WHITE - Original, to accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 031799

C/C Control No. 031260

PROJECT NAME/NUMBER: Fabio 191348

LAB DESTINATION: IT Santa Clara

SAMPLE TEAM MEMBERS: D. Friberg

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
B5	Parking lot — Soil	5-12-88 1:10	Soil	Glass Jar	OK Cool BB	
B6		5-12-88 1:			✓ ✓ ✓	

COPY

Special Instructions: Call in Results to Dan Friberg 415-372-9100

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Dan Friberg IT [illegible] 5-12-88 2225
   Received By: Bart Bruns ITSCV 5/12/88 1425 BOV 5
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 031799
C/C Control No. 031260

PROJECT NAME	FABCO
PROJECT NUMBER	190318
PROJECT MANAGER	DAN FRIBERG
BILL TO	4585 PACHECO MARTINEZ CA 94553
PURCHASE ORDER NO.	DC35411
DATE SAMPLES SHIPPED	5-12-98
LAB DESTINATION	IT SANTA CLARA
LABORATORY CONTACT	FINA ROUSE
SEND LAB REPORT TO	DAN FRIBERG 4585 PACHECO MARTINEZ CA 94553
DATE REPORT REQUIRED	5-18-98
PROJECT CONTACT	DAN FRIBERG
PROJECT CONTACT PHONE NO.	415 372-9100

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
R5	SOIL	1-2"x6" TUBE	ICE	HIGH BOILING HYDROCARBONS	CALL IN
R6	SOIL	1-2"x6" TUBE	ICE	(OIL) - OIL & GREASE	RESULTS ASAP.

COPY

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)

Normal ____ Rush ✓ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)

Nonhazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)

Return to Client ____ Disposal by Lab ✓

FOR LAB USE ONLY

Received By Barb Brung Date/Time 5/12/98 14:25

WHITE - Original, to accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

DATE	0	2	0	8	8	8
TIME	1.40					
PAGE 1 OF 1						
PAGE	C	0	C	0	1	
PROJECT NO. 190348						

SAMPLE COLLECTION LOG

PROJECT NAME FABIO

SAMPLE NO. A1 – A2 A3 – A4

SAMPLE LOCATION Bin AREA Soil

SAMPLE TYPE Soil

COMPOSITE ✓ YES ___ NO

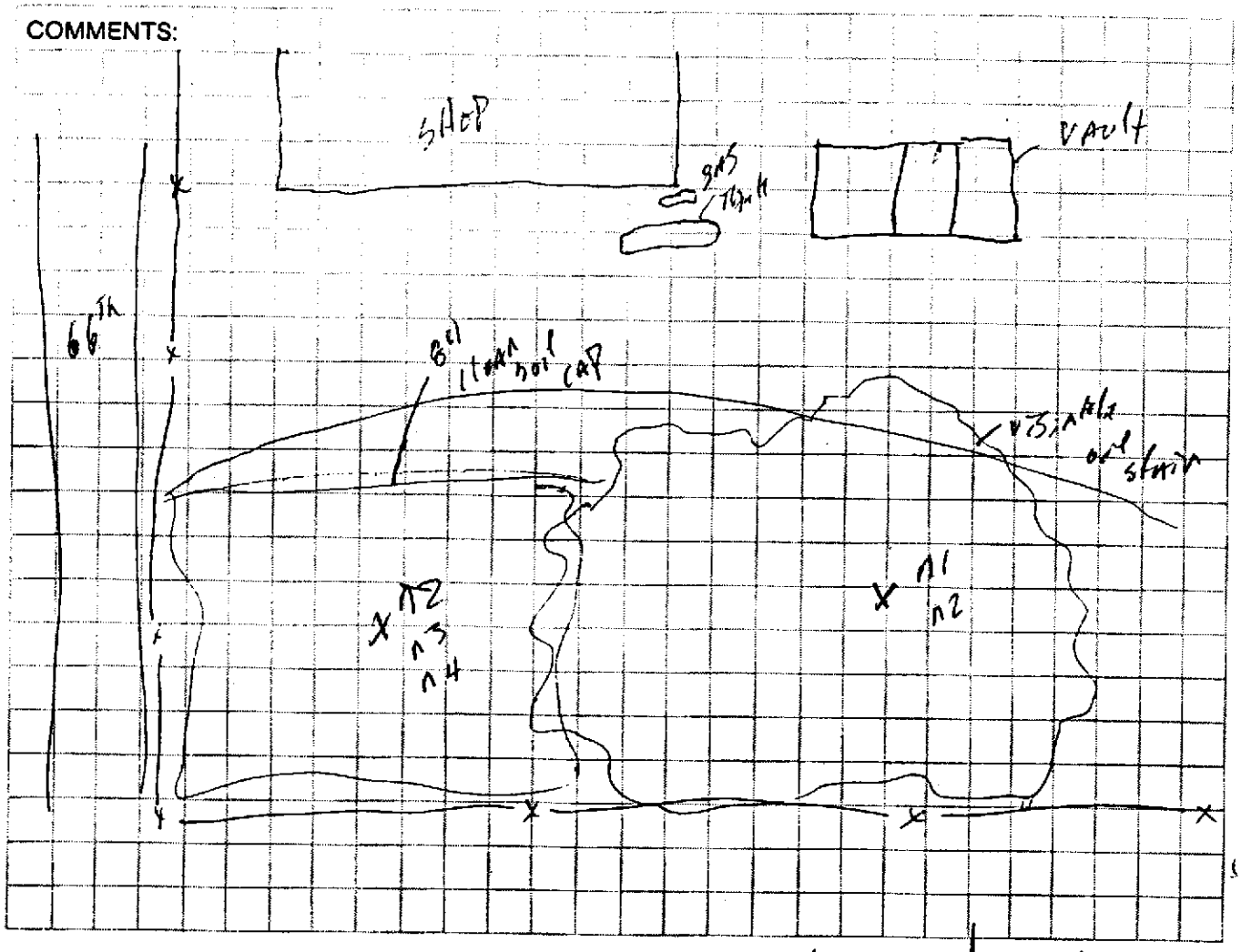
COMPOSITE TYPE Soil

DEPTH OF SAMPLE 0 – 12 inches

WEATHER CLEAR – WARM

CONTAINERS USED	AMOUNT COLLECTED
BRASS TUBES	2 - 6" TUBES

COMMENTS:



PREPARED BY: DAN Fahey

For R5+R6 - 5-12-88

INTERNATIONAL TECHNOLOGY CORPORATION

DATE	0 3 2 8 8 8
TIME	1 0 0 0
PAGE 1 OF 1	
PAGE	0 0 0 0 2
PROJECT NO.	1903

SAMPLE COLLECTION LOG

PROJECT NAME Fabco

SAMPLE NO. P1 - P6 / R5 - R6

SAMPLE LOCATION parking area

SAMPLE TYPE

COMPOSITE ✓ YES ____ NO

COMPOSITE TYPE 2-1 (A7 1n B)

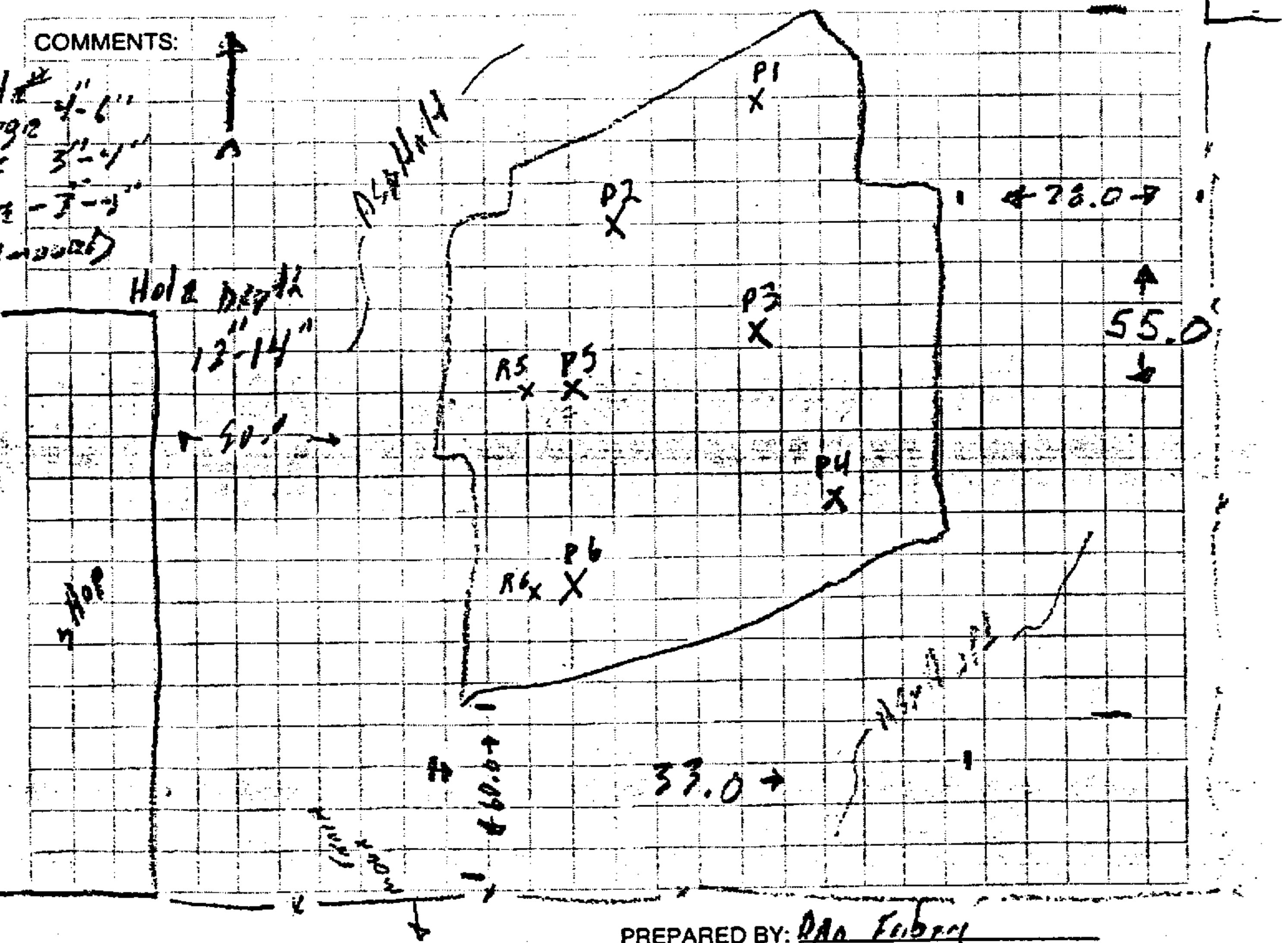
DEPTH OF SAMPLE 12" - 18"

WEATHER clear warm

CONTAINERS USED	AMOUNT COLLECTED
2"x6" B Tube	6 Tubes
2"x6" B Tube	2 Tubes

COMMENTS:

note 4"-6" sludge
AC 3"-4"
Base -3"-4" removed



PREPARED BY: Dan Fabry

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

17605 Fabrica Way • Cerritos, California 90701 • 213-921-9831 / 714-523-9200

CERTIFICATE OF ANALYSIS

Prepared for:
IT Corporation
4585 Pacheco Blvd.
Martinez, CA 94553

Attn: Dan Friberg

Date: March 14, 1988

Date Received: February 11, 1988 P.O. Number 190348 Fabco Job Number 44923/1h

One (1) soil sample : Composite of "N-1 (Top + Bottom)" and "N-2 (Top + Bottom)"

The sample was analyzed for the inorganic parameter as requested. The results are listed in Table I.

The composited sample was extracted in hexane and analyzed for high boiling fuel hydrocarbons by direct injection into a Varian 3700 gas chromatograph equipped with a flame ionization detector. Motor oil was used as the calibration standard. The results are listed in Table II.

The composited sample was extracted according to modified EPA Method 8080 and the extract was analyzed for organochlorine pesticides and PCB's by direct injection into a Varian 6000A gas chromatograph equipped with an electron capture detector. The results are listed on the following summary sheet

The sample was analyzed for volatile and semi-volatile organic contaminants using combined gas chromatography-mass spectrometry according to modified EPA Methods, 8240 and 8270. Results for compounds on the EPA Hazardous Substances List (HSL) are given on the enclosed summary sheets.

I certify that this report truly represents the finding of work performed by me or under my direct supervision.

Sharareh Nasser-Moaddeli
Group Leader

Reviewed and Approved

Ken Faust
Technical Director

Table I

Milligrams/kilogram

Compound	Method*	Detection Limit[A]	Composite
Antimony	6010	0.06	ND<30
Arsenic	7060	0.01	4.1
Barium	6010	0.2	220
Beryllium	6010	0.005	TR<2.5
Cadmium	6010	0.005	3.4
Calcium	6010	5	10400
Chromium	6010	0.01	360
Cobalt	6010	0.05	TR<25
Copper	6010	0.025	160
Iron	6010	0.1	11100
Lead[B]	6010	0.2	85
Magnesium	6010	5	4360
Manganese	6010	0.015	1140
Mercury	7471	0.0002	0.21
Molybdenum	6010	0.05	80
Nickel	6010	0.04	350
Potassium	7610	5	TR<500
Selenium	7740	0.005	ND<0.5
Silver	6010	0.01	ND<5
Sodium	6010	5	ND<2500
Thallium	6010	0.5	ND<250
Vanadium	6010	0.05	36
Zinc	6010	0.02	160
Cyanide	9010	0.02	ND<1
Phenol	9065	0.05	TR<2.5
Oil & Grease	9070	1	12400

* SW846, 3rd Edition.

A - Detection limits are based upon concentration in the aqueous extract and are expressed in milligrams per liter. Detection limits may vary due to sample matrix.

B - Lead was blank corrected.

Table II

Sample I.D.	Milligrams per kilogram High Boiling Fuel Hydrocarbons
Composite	20000

Volatile Organic Compounds
(Micrograms Per Kilogram)

Compound	Detection Limit	Composite
Chloromethane	10	ND
Bromomethane	10	ND
Vinyl chloride	10	ND
Chloroethane	10	ND
Dichloromethane (methylene chloride)	10	ND
Acetone	5	ND
Carbon disulfide	10	ND
1,1-Dichloroethylene	5	7
1,1-Dichloroethane	5	ND
trans-1,2-Dichloroethene	5	ND
Chloroform	5	ND
1,2-Dichloroethane	5	ND
Methyl ethyl Ketone (2-Butanone)	10	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
Vinyl acetate	10	ND
Bromodichloromethane	5	ND
1,2-Dichloropropane	5	ND
trans-1,3-Dichloropropene	5	ND
Trichloroethene	5	ND
Chlorodibromomethane	5	ND
1,1,2-Trichloroethane	5	ND
Benzene	5	ND
cis-1,3-Dichloropropene	5	ND
2-Chloroethyl vinyl ether	10	ND
Tribromomethane, (Bromoform)	5	ND
2-Hexanone	10	ND
4-Methyl-2-pentanone	10	TR
Tetrachloroethene	5	ND
1,1,2,2-Tetrachloroethane	5	ND
Toluene	5	ND
Chlorobenzene	5	ND
Ethyl benzene	5	ND
Styrene	5	ND
Xylene (Total)	20	ND
Acrolein	5	ND
Acrylonitrile	5	ND

ND - This compound was not detected; the limit of detection for this analysis is less than the amount stated in the table above.

TR - Trace, this compound was present, but was below the level at which concentration could be determined.

Semi-Volatile Organic Compounds
(Milligram/kilogram)

Compound	Detection Limit	Composite
Phenol	20	ND
Bis(2-chloroethyl)ether	20	ND
2-Chlorophenol	20	ND
1,3-Dichlorobenzene	20	ND
1,4-Dichlorobenzene	20	ND
Benzyl alcohol	20	ND
1,2-Dichlorobenzene	20	ND
2-Methylphenol	20	ND
Bis(2-chloroisopropyl) ether	20	ND
4-Methylphenol	20	ND
N-Nitroso-di-n-propylamine	20	ND
Hexachloroethane	20	ND
Nitrobenzene	20	ND
Isophorone	20	ND
2-Nitrophenol	20	ND
2,4-Dimethylphenol	20	ND
Benzoic acid	100	ND
Bis(2-chloroethoxy) methane	20	ND
2,4-Dichlorophenol	20	ND
1,2,4-Trichlorobenzene	20	ND
Naphthalene	20	ND
4-Chloroaniline	20	ND
Hexachlorobutadiene	20	ND
4-Chloro-3-methylphenol	20	ND
2-Methylnaphthalene	20	ND
Hexachlorocyclopentadiene	20	ND
2,4,6-Trichlorophenol	20	ND
2,4,5-Trichlorophenol	20	ND
2-Chloronaphthalene	20	ND
2-Nitroaniline	100	ND
Dimethylphthalate	20	ND
Acenaphthylene	20	ND
3-Nitroaniline	100	ND
Acenaphthene	20	ND
2,4-Dinitrophenol	100	ND
4-Nitrophenol	100	ND
Dibenzofuran	20	ND

ND - This compound was not detected; the limit of detection for this analysis is less than the amount stated in the table above.

Semi-Volatile Organic Compounds (Continued)
(Milligram/kilogram)

Compound	Detection Limit	Composite
2,4-Dinitrotoluene	20	ND
2,6-Dinitrotoluene	20	ND
Diethylphthalate	20	ND
4-Chlorophenylphenyl ether	20	ND
Fluorene	20	ND
4-Nitroaniline	100	ND
4,6-Dinitro-o-cresol	100	ND
N-Nitrosodiphenylamine	20	ND
4-Bromophenyl-phenyl ether	20	ND
Hexachlorobenzene	20	ND
Pentachlorophenol	100	ND
Phenanthrene	20	ND
Anthracene	20	ND
Di-n-butylphthalate	20	ND
Fluoranthene	20	ND
Pyrene	20	ND
Butylbenzylphthalate	20	ND
3,3'-Dichlorobenzidine	40	ND
Benzo(a)anthracene	20	ND
Bis(2-ethylhexyl)phthalate	20	ND
Chrysene	20	ND
Di-n-octylphthalate	20	ND
Benzo(b)fluoranthene	20	ND
Benzo(k)fluoranthene	20	ND
Benzo(a)pyrene	20	ND
Indeno-(1,2,3-c,d,)pyrene	20	ND
Dibenzo(a,h)anthracene	20	ND
Benzo(g,h,i)perylene	20	ND
N-Nitrosodimethylamine	20	ND
1,2-Diphenylhydrazine	20	ND
Benzidine	20	ND

ND - This compound was not detected; the limit of detection for this analysis is less than the amount stated in the table above.

GC PESTICIDE ANALYSIS

SAMPLE IDENTIFICATION: Composite

DATE ANALYZED: 3-4-88

UNITS: Micrograms/kilogram

PESTICIDES-(PP's)

alpha-BHC	ND<500
beta-BHC	ND<500
delta-BHC	ND<500
gamma-BHC (Lindane)	ND<500
Heptachlor	ND<500
Aldrin	ND<500
Heptachlor Epoxide	ND<500
Endosulfan I	ND<500
Dieldrin	ND<1000
4,4'-DDE	ND<1000
Endrin	ND<1000
Endosulfan II	ND<1000
4,4'-DDD	ND<1000
Endrin Aldehyde	ND<1000
Endosulfan Sulfate	ND<1000
4,4'-DDT	ND<1000
Methoxychlor	ND<5000
Endrin Ketone	ND<1000
Chlordane	ND<5000
Toxaphene	ND<1000
PCB-1016	ND<5000
PCB-1221	ND<5000
PCB-1232	ND<5000
PCB-1242	ND<5000
PCB-1248	ND<5000
PCB-1254	ND<10,000
PCB-1260	ND<10,000

ND - This compound was not detected; the limit of detection for this analysis is less than the amount stated in the table above.

INTERNATIONAL TECHNOLOGY CORPORATION

IT Corporation
4585 Pacheco Blvd.
Martinez, CA 94553

May 5, 1988

ATTN: Dan Friberg

Following are the results of analyses on the samples described below.

Project:	190348, Fabco
Lab Number:	S8-04-001-01 thru S8-04-001-06
Number of Samples:	6; 3 composites of 2
Sample Type:	Soil
Date Received:	4/1/88
Analyses Requested:	High Boiling Hydrocarbons (oil), Oil and Grease

The method of analysis for high boiling hydrocarbons in soil involves extracting the sample with acetone. The mixture is partitioned with hexane and the resulting extract is examined by gas chromatography using a flame ionization detector.

The method of analysis for oil and grease in soil is taken from EPA Method 3550 and Standard Methods Section 503E. The sample is extracted with repeated portions of 50:50 methylene chloride:acetone using a horn-type sonicator. The extract is dried with sodium sulfate and treated with silica gel to remove polar compounds. Following evaporation, oil and grease is determined gravimetrically.

Fred Rouse

Fred Rouse

FR/gg

1 Page Following - Table of Results

IT/Santa Clara to IT/Martinez
ATTN: Dan Friberg

May 5, 1988

Project: 190348, Fabco

Results

Lab Number	Sample Identification	Parts per Million- dry soil basis: High Boiling Hydrocarbons (calculated as oil)	Parts per Million- dry soil basis: Oil & Grease
S8-04-001-01, S8-04-001-02 (composite)	P1 P2 (composite)	50.	60.
Detection Limit		30.	10.
S8-04-001-03, S8-04-001-04 (composite)	P3 P4 (composite)	110.	100.
Detection Limit		80.	10.
S8-04-001-05, S8-04-001-06 (composite)	P5 P6 (composite)	250.	1,500.
Detection Limit		80.	10.

INTERNATIONAL TECHNOLOGY CORPORATION

IT Corporation
4585 Pacheco Blvd.
Martinez, CA 94553

May 17, 1988

ATTN: Dan Friberg

Following are the results of analyses on the samples described below.

Project:	190348, Fabco
Lab Numbers:	S8-05-132-01 and S8-05-132-02
Number of Samples:	2
Sample Type:	soil
Date Received:	5/12/88
Analyses Requested:	High Boiling Hydrocarbons (oil), Oil and Grease

The method of analysis for high boiling hydrocarbons in soil involves extracting the sample with acetone. The mixture is partitioned with hexane and the resulting extract is examined by gas chromatography using a flame ionization detector.

The method of analysis for total oil and grease in soil is taken from E.P.A. Method 3550 and Standard Methods Section 503E. The sample is extracted with repeated portions of 50:50 methylene chloride:acetone using a horn-type sonicator. The extract is dried with sodium sulfate and treated with silica gel to remove polar compounds. Following evaporation, oil and grease is determined gravimetrically.

Fred Rouse

FR/ksr

1 Page Following - Table of Results

Form Approved OMB No. 2050-0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter))

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981389398 | Manifest Document No. 9211400 | 2. Page 1 of | Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
Fabco Automotive Corporation
1249-67th Street, Oakland, California 94662

4. Generator's Phone (415) 658- 7070

A. State Manifest Document Number 87992140

B. State Generator's ID HSHQ360185421

5. Transporter 1 Company Name: James L Dewhirst | 6. US EPA ID Number: CAD091834838 | C. State Transporter's ID 801554 | D. Transporter's Phone 415 447 4109

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
PWI
Lokern Road
Buttonwillow, California
CAD980675276 | 10. US EPA ID Number

G. State Facility's ID CHO980675276

H. Facility's Phone 805 762-4371 ~~(805) 325-5355~~

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Soil with petroleum hydrocarbon (California Regulated)	01	BT	0187		State 611 / EPA/Other Exempt
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Cutting oil contaminated soil - 100% Solids

K. Handling Codes for Wastes Listed Above
a. 03 | b. | c. | d.

15. Special Handling Instructions and Additional Information
Project #190348
Wear protective clothing. PWI Waste Stream #M216. PWI to invoice ITE-MTZ for disposal.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Michael Slessarev | Signature | Month Day Year: 03 24 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: James L Dewhirst | Signature | Month Day Year: 03 24 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Hilario Cavazos | Signature | Month Day Year: 03 24 88

EPA Form 8700-22 (11-87) Previous editions are obsolete

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD981138998
Manifest Document No.: 92139
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Fabco Automotive Corporation
1249-67th Street, Oakland, California 94662

A. State Manifest Document Number: 87992139

4. Generator's Phone (415) 658 - 7070

B. State Generator's ID: HSH0360185421

5. Transporter 1 Company Name: PAREN TRKG. SERV. INC.
6. US EPA ID Number: CAT080012955
C. State Transporter's ID: 802201-202
D. Transporter's Phone: 415-672-0271

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
PWI
Lokern Road
Buttonwillow, Calif.
10. US EPA ID Number: CAD980675276
G. State Facility's ID: CAD980675276
H. Facility's Phone: 805 762-7341
(805) 325-5355

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Soil with Petroleum Hydrocarbon (California Regulated)	002	DT	1184	Y	State 611 EPA/Other Exempt
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Cutting Oil contaminated Soil - 100% Solids

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Project # 190348
Wear protective clothing. PWI Waste Stream #M216. PWI to invoice ITE-MTZ for disposal.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Michael Slessarev
Signature: Michl Slessarev
Month Day Year: 03 24 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William E. Paden
Signature: William E. Paden
Month Day Year: 03 24 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Hilario Camacos
Signature: Hilario Camacos
Month Day Year: 03 24 88

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

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Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD981138939898
Manifest Document No: 92141
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Fabco Automotive Corporation
1249-67th Street, Oakland, California 94662

4. Generator's Phone (415) 658-7070

A. State Manifest Document Number: 87992141
B. State Generator's ID: HS HQ36 018542

5. Transporter 1 Company Name: Art's Trans for Trucking
6. US EPA ID Number: CAD981414501
C. State Transporter's ID: 801798-799
D. Transporter's Phone: 415-827-3140

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
PWI
Lokern Road
Buttonwillow, California

10. US EPA ID Number: CAD980675276
G. State Facility's ID: CAD980675276
H. Facility's Phone: (805) ~~825-5555~~ 762-7341

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Soil with petroleum hydrocarbon (California Regulated)	192	DT	1116	Y	State 611; EPA/Other Exempt
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Cutting Oil contaminated Soil - 100% Solids

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
Project #190348
M-216
Wear protective clothing. PWI Waste Stream #216. PWI to invoice ITE-MTZ for disposal.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Michael Slessman
Signature: [signature]
Month Day Year: 03 24 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Art Burger
Signature: [signature]
Month Day Year: 03 24 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Hector L. Moreno
Signature: [signature]
Month Day Year: 03 24 88

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

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Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981389398 | Manifest Document No. 92138 | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Fabco Automotive Corporation
1249-67th Street
Oakland, California 94662
4. Generator's Phone (415) 658-7070

A. State Manifest Document Number 87992138
B. State Generator's ID HSH036018542
C. State Transporter's ID 802510
D. Transporter's Phone 415-635-0766

5. Transporter 1 Company Name: Acklam Trucking | 6. US EPA ID Number: CAD981420843
7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
PWI
Lokern Road
Buttonwillow, Calif.
10. US EPA ID Number: CAD980675276
G. State Facility's ID: CAD980619216
H. Facility's Phone (805) ~~325-3355~~ 763-7341

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Soil with Petroleum Hydrocarbon (California Regulated)	0101	DT	00018	yd	State 611 / EPA/Other Exempt
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Cutting Oil contaminated Soil - 100% Solids

K. Handling Codes for Wastes Listed Above
a. 03 | b. | c. | d.

15. Special Handling Instructions and Additional Information
Project ~~#190317~~ 190348
Wear protective clothing. PWI Waste Stream #M216. PWI to invoice ITE-MTZ for disposal.
PC EDF

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR — Printed/Typed Name: Michael Slessarev | Signature: Michael Slessarev | Month Day Year: 10/24/85

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: G. Todd Acklam | Signature: G. Todd Acklam | Month Day Year: 10/24/85
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY
19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Hector L Moreno | Signature: Hector L Moreno | Month Day Year: 10/24/85

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

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(Rev. 9-86) Previous editions are obsolete.

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INSTRUCTIONS ON THE BACK

IT/Santa Clara to IT/Martinez
ATTN: Dan Friberg

May 17, 1988

Project: 190348, Fabco

Results

Lab Number	Sample Identification	Parts per Million - dry soil basis: High Boiling Hydrocarbons (calculated as oil)	Parts per Million - dry soil basis: Oil and Grease
	190348, Fabco		
S8-05-132-01	R5 Parking Lot	70.	170.
Detection Limit		30.	10.
S8-05-132-02	R6 Parking Lot	100.	540.
Detection Limit		70.	10.

IT/Santa Clara to IT/Martinez
ATTN: Dan Friberg

May 5, 1988

Project: 190348, Fabco

Results

Lab Number	Sample Identification	Parts per Million- dry soil basis: High Boiling Hydrocarbons (calculated as oil)	Parts per Million- dry soil basis: Oil & Grease
S8-04-001-01, S8-04-001-02 (composite)	P1 P2 (composite)	50.	60.
Detection Limit		30.	10.
S8-04-001-03, S8-04-001-04 (composite)	P3 P4 (composite)	110.	100.
Detection Limit		80.	10.
S8-04-001-05, S8-04-001-06 (composite)	P5 P6 (composite)	250.	1,500.
Detection Limit		80.	10.

INTERNATIONAL TECHNOLOGY CORPORATION

DATE	
TIME	
PAGE ___ OF ___	
PAGE	
PROJECT NO.	191348

SAMPLE COLLECTION LOG

PROJECT NAME Fabco

SAMPLE NO. P1 - P6

SAMPLE LOCATION Parking Area

SAMPLE TYPE ______

COMPOSITE ____ YES ____ NO

COMPOSITE TYPE ______

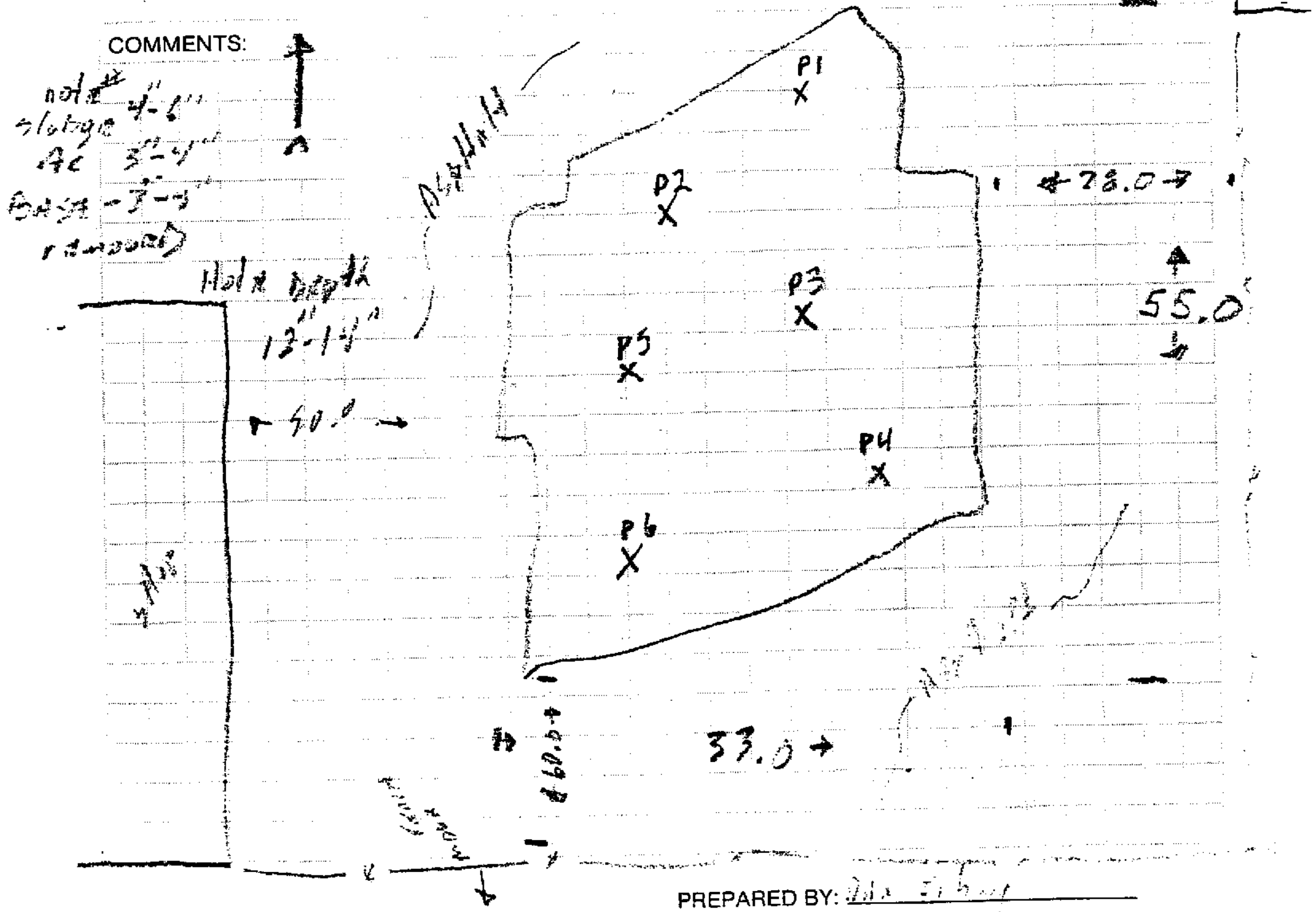
DEPTH OF SAMPLE 12" - 18"

WEATHER clear warm

CONTAINERS USED	AMOUNT COLLECTED
2x6" brass tubes	6 tubes

COMMENTS:

note 4-6" slabge at 3-4" base 3-4" removed



PREPARED BY: ______

INTERNATIONAL TECHNOLOGY CORPORATION

IT Corporation
4585 Pacheco Blvd.
Martinez, CA 94553

May 5, 1988

ATIN: Dan Friberg

Following are the results of analyses on the samples described below.

Project:	190348, Fabco
Lab Number:	S8-04-001-01 thru S8-04-001-06
Number of Samples:	6; 3 composites of 2
Sample Type:	Soil
Date Received:	4/1/88
Analyses Requested:	High Boiling Hydrocarbons (oil), Oil and Grease

The method of analysis for high boiling hydrocarbons in soil involves extracting the sample with acetone. The mixture is partitioned with hexane and the resulting extract is examined by gas chromatography using a flame ionization detector.

The method of analysis for oil and grease in soil is taken from EPA Method 3550 and Standard Methods Section 503E. The sample is extracted with repeated portions of 50:50 methylene chloride:acetone using a horn-type sonicator. The extract is dried with sodium sulfate and treated with silica gel to remove polar compounds. Following evaporation, oil and grease is determined gravimetrically.

Fred Rouse

FR/gg

1 Page Following - Table of Results

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 031786

C/C Control No. 031251

PROJECT NAME/NUMBER FMC 190348

LAB DESTINATION IT Santa Clara

SAMPLE TEAM MEMBERS Dan Fr. Berg

CARRIER/WAYBILL NO. _____

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P1 + P2	Parking Area Soil	3-28-88 10:00 AM	Soil	Brass tube		
P3 + P4	"	3-28-88 10:15 AM	"	"		
P5 + P6	"	3-28-88 10:30 AM	"	"		

Special Instructions: Keep Samples cold. Call Dan Fr. Berg IF any questions arise.

Possible Sample Hazards: _____ 415-372-9100

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: [signature] IT Eng, 3-31-88 4:00 p.m.

   Received By: _____

2. Relinquished By: _____

   Received By: _____

3. Relinquished By: _____

   Received by: _____

4. Relinquished By: _____

   Received By: _____

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 031786
C/C Control No. 03/251

PROJECT NAME: FARCO
PROJECT NUMBER: 190348
PROJECT MANAGER: Sara Mace / Allen McGuire
BILL TO: 4585 PACHECO
MARTINEZ CAL 94553

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 3-31-98
LAB DESTINATION: IT SANTA CLARA
LABORATORY CONTACT: FRED ROUSE
SEND LAB REPORT TO: DAN FRIBERG
4585 PACHECO
MARTINEZ CAL 94553

DATE REPORT REQUIRED: 4-13-98
PROJECT CONTACT: DAN FRIBERG
PROJECT CONTACT PHONE NO.: 415-372-9400 ext 3107

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P1 + P2	Soil	2 - 2"x6" TUBES	Keep cold	On Hold will	composite TUBES
P3 + P4	Soil	"	"	call in to Fred	P1+P2 - 1 sample
P5 + P6	Soil	"	"	Rouse.	P3+P4 - 1 sample
					P5+P6 - 1 sample

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)

Normal X **Rush** _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)

Nonhazard X **Flammable** _____ **Skin Irritant** _____ **Highly Toxic** _____ **Other** _____ (Please Specify)

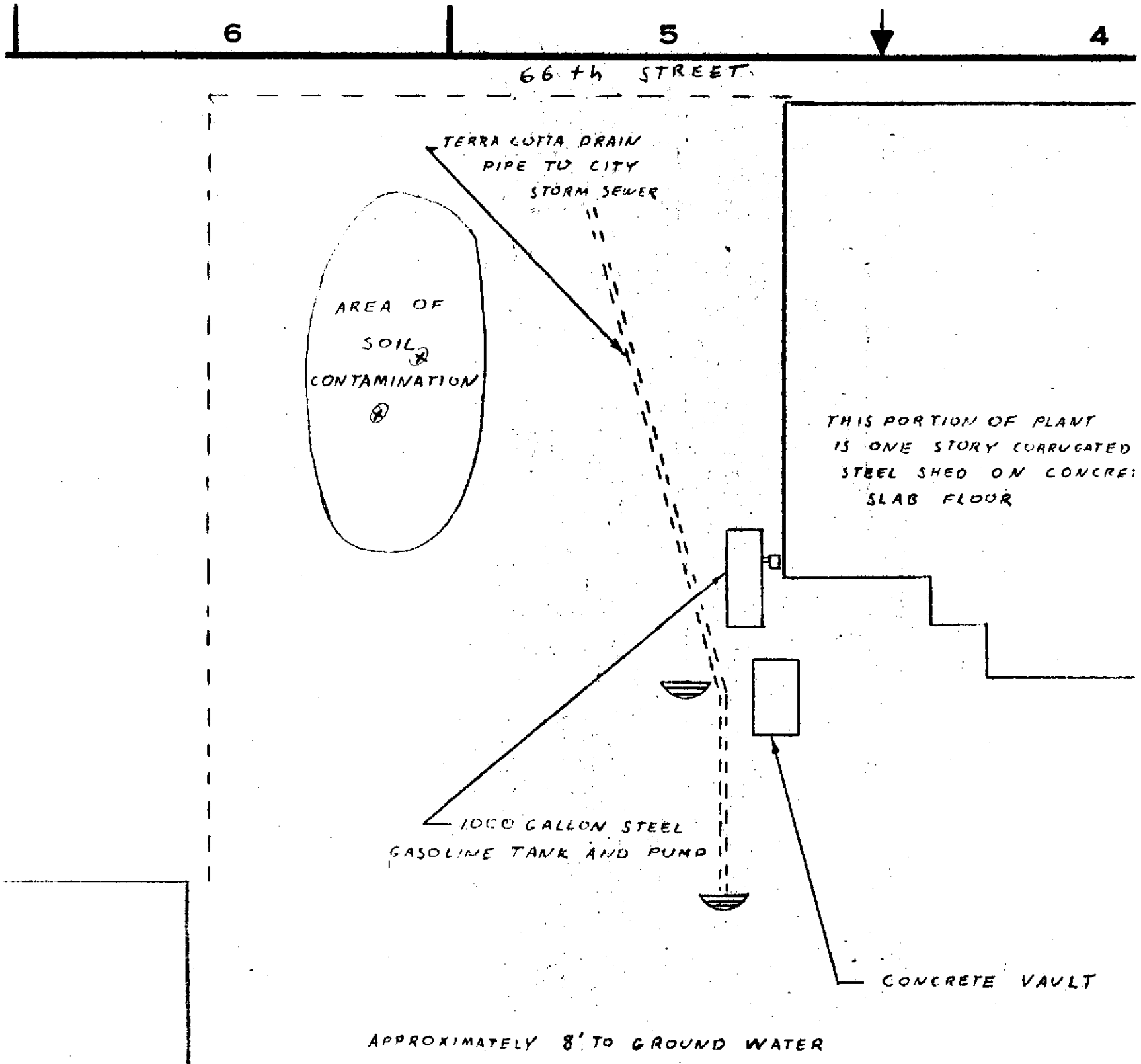
SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)

Return to Client _____ **Disposal by Lab** X

FOR LAB USE ONLY

Received By _____ **Date/Time** _____

WHITE - Original, to accompany samples
YELLOW - Field copy


6
5
4
66th STREET
TERRA COTTA DRAIN PIPE TO CITY STORM SEWER
AREA OF SOIL CONTAMINATION
THIS PORTION OF PLANT IS ONE STORY CORRUGATED STEEL SHED ON CONCRETE SLAB FLOOR
1000 GALLON STEEL GASOLINE TANK AND PUMP
CONCRETE VAULT
APPROXIMATELY 8' TO GROUND WATER