CITY OF HOUSTON

PUBLIC WORKS AND ENGINEERING
PLANNING & DEVELOPMENT DIVISION

The designated property, owned by indiGO Houston 13921 North Freeway, LLC, is considered commercial and consists of 245,565 square feet of land (5.637 acres) located at 13915 Interstate 45 North in Houston, Harris County, Texas (the Site). All on-site buildings and associated parking areas have been razed, and the designated property presently consists of graded, vacant land with the exception of a wastewater treatment system equipped with a septic sewage tank and aeration pond located on the northwest portion of the Site. The wastewater treatment system is scheduled to be razed in November/December 2015.

Historically, the Site consisted of undeveloped land from at least the late 1910s through the early 1950s, at which time a residential structure was visible near the southeastern portion of the Site. The residential structure remained on-site through the late 1970s, when commercial development commenced. By the late 1980s, the Site had been developed into an auto dealership equipped with four main buildings. Services performed on-site until closure of the facility in 2015 included vehicle oil and other fluid changes, engine repair, car cleaning and detailing services, and tire changes. Vehicle parts and fluids used in vehicle maintenance (including new/used oil and transmission fluid) were stored on the Site. New and used vehicles were also stored on-site.

Several assessments, including numerous chemical injections, have been conducted at the Site by various consultants since the 1990s for evidence of environmental impact. The investigations have included the collection and analysis of soil and groundwater samples for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), priority metals, and polychlorinated biphenyls (PCB). No Texas Risk Reduction Program (TRRP) Tier 1 protective concentration levels (PCLs) are exceeded in soil.

Groundwater monitoring has been conducted at the Site since 2001 (on a quarterly basis since January 2008), and there are presently 16 groundwater monitor wells located throughout the designated property (MW-1 through MW-14, CKMW-1 and CKMW-2). Over this time, shallow groundwater beneath the Site has contained arsenic, barium, chromium, tetracholoroethylene (PCE), trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-1,2-DCE), vinyl chloride, toluene, and methyl tert-butyl ether (MTBE) at varying concentrations; however, since May 2014, only vinyl chloride has exceeded the TRRP Tier 1 groundwater ingestion exposure pathway ($^{GW}GW_{Ing}$) PCL. The source of chlorinated hydrocarbons in groundwater appears to be from a former on-site 500-gallon waste oil tank, removed from the Site in the 1990s, located in the center of the designated property in the immediate vicinity of current monitor well MW-1.

With the excavation of chlorinated hydrocarbon and petroleum affected soils during removal of the waste oil underground storage tanks (UST - 1990), grit trap and underground hydraulic lifts (UHLs - 2002), no soil issues remain at the Site. The extent of the chlorinated hydrocarbon affected groundwater at the Site has been fully delineated and is confined to a 1,981 square foot area in the central portion of the Site near monitor well MW-1, as shown on Exhibit 1C in Appendix C.

Future plans for the designated property will be commercial (Retail New & Used Automobile Dealership to include vehicle service and parts operations) while surrounding properties are anticipated to remain residential/commercial. There are no municipalities, other than the City of Houston (or COH ETJ area) within one-half mile of the designated property boundary.

The applicant's current plan for the designated property within the MSD boundary is to obtain regulatory closure through the Texas Commission on Environmental Quality (TCEQ) Voluntary Cleanup Program (VCP). The property has been in the VCP since October 2002 and assigned VCP No. 1533 Upon approval of the MSD Ordinance by the City of Houston for this designated property, a TCEQ MSD Application will be completed and submitted to the TCEQ for approval. With a TCEQ MSD Certificate, the groundwater ingestion pathway is no longer applicable for this site. An Amended Affected Property Assessment Report (APAR) will then be prepared based on MSD applicable PCLs and submitted to the TCEQ to obtain a VCP Certificate of Completion.

HARRIS COUNTY APPRAISAL DISTRICT
REAL PROPERTY ACCOUNT INFORMATION
1229800010002

Tax Year: 2015

Print

Owner and Property Information			
Owner Name & Mailing Address:	INDIGO HOUSTON 13921 NORTH FREEWAY LLC 13915 NORTH FWY HOUSTON TX 77090-6915	Legal Description:	RES B BLK 1 I H 45 DEALERSHIP CENTRE
		Property Address:	13911 NORTH FWY HOUSTON TX 77090

State Class Code	Land Use Code	Building Class	Total Units	Land Area	Total Living Area	Net Rentable Area	Neighborhood	Map Facet	Key Map®
F1 -- Real, Commercial	8000 -- Land Neighborhood General Assignment	E	0	245,565 SF	46,055	0	9825.01	5266D	372G

Value Status Information

Capped Account	Value Status	Notice Date	Shared CAD
No	Noticed	04/03/2015	No

Exemptions and Jurisdictions

Exemption Type	Districts	Jurisdictions	Exemption Value	ARB Status	2014 Rate	2015 Rate
None	024	SPRING ISD		Certified: 08/14/2015	1.510000	
	040	HARRIS COUNTY		Certified: 08/14/2015	0.417310	
	041	HARRIS CO FLOOD CNTRL		Certified: 08/14/2015	0.027360	
	042	PORT OF HOUSTON AUTHY		Certified: 08/14/2015	0.015310	
	043	HARRIS CO HOSP DIST		Certified: 08/14/2015	0.170000	
	044	HARRIS CO EDUC DEPT		Certified: 08/14/2015	0.005999	
	045	LONE STAR COLLEGE SYS		Certified: 08/14/2015	0.108100	0.107900
	061	CITY OF HOUSTON		Certified: 08/14/2015	0.631080	
	266	GREENSPOINT DISTRICT		Certified: 08/14/2015	0.154310	
	293	GREENSPOINT 11 TIRZ (040)		Certified: 08/14/2015		
	297	GREENSPOINT 11 TIRZ (024)		Certified: 08/14/2015		
	570	GREENSPOINT 11 TIRZ (045)		Certified: 08/14/2015		
	590	GREENSPOINT 11 TIRZ (061)		Certified: 08/14/2015		

Texas law prohibits us from displaying residential photographs, sketches, floor plans, or information indicating the age of a property owner on our website. You can inspect this information or get a copy at HCAD's information center at 13013 NW Freeway.

Valuations

Value as of January 1, 2014			Value as of January 1, 2015		
	Market	Appraised		Market	Appraised
Land	998,055		Land	1,164,398	
Improvement	1,628,078		Improvement	1,549,831	
Total	2,626,133	2,626,133	Total	2,714,229	2,714,229

Land

Market Value Land

Line	Description	Site Code	Unit Type	Units	Size Factor	Site Factor	Appr O/R Factor	Appr O/R Reason	Total Adj	Unit Price	Adj Unit Price	Value
1	8000 -- Land Neighborhood General Assignment	4331	SF	87,120	1.00	1.00	1.00	--	1.00	7.00	7.00	609,840.00
2	8000 -- Land Neighborhood General Assignment	4331	SF	158,445	1.00	1.00	1.00	--	1.00	3.50	3.50	554,558.00

Building

Building	Year Built	Type	Style	Quality	Impr Sq Ft	Building Details
1	1976	Auto Dealer Full Service	Auto Dealership, Complete	Average	25,480	Displayed
2	1976	Warehouse - Metallic	Service Repair Garage	Average	4,500	View
3	1976	Warehouse - Metallic	Service Repair Garage	Average	8,275	View
4	1978	Auto Dealer Full Service	Auto Dealership, Complete	Average	7,800	View

Building Details (1)

Building Data	
Element	Detail
Cooling Type	None
Cooling Type	Central / Forced
Construction Type	Fire Resistant Steel
Functional Utility	Avg/Normal
Heating Type	None
Heating Type	Hot Air
Partition Type	Normal
Physical Condition	Avg/Normal
Plumbing Type	Adequate
Sprinkler Type	None
Exterior Wall	Brick / Stone
Economic Obsolescence	Normal
Market Adjustment	10% Market Adjustment
Element	Units
Wall Height	20
Wall Height	18
Wall Height	10
Wall Height	8
OH Door: Wood / Mtl	21
Interior Finish Percent	100

Building Areas	
Description	Area
BASE AREA PRI	6,600
BASE AREA PRI	7,500
CNPY ROOF W/ SLAB -C	1,000
BASE AREA PRI	7,640
CNPY ROOF W/ SLAB -C	1,620
BASE AREA PRI	3,500
CNPY ROOF W/ SLAB -C	100
CNPY ROOF W/ SLAB -C	700
CNPY ROOF W/ SLAB -C	240
BASE AREA PRI	240

Building Features	
Description	Units
CANOPY ROOF AND SLAB	1
CANOPY ROOF AND SLAB	1
CANOPY ROOF AND SLAB	1
Portable/Modular Office - Average	1
Paving - Asphalt	2
UTILITY BLDG - METAL	1
UTILITY BLDG - BRICK/STONE	1
Multi-Use, Storage Low Cost	1

APPENDIX A

APPENDIX A

Provide a legal description of the boundaries of the designated property, including metes and bounds, and a copy of the deed for the property. A professional surveyor currently registered with the Texas Board of Professional Surveying must certify that all property descriptions with metes and bounds are accurate.

A legal description of the boundaries of the designated property and a copy of the deed are enclosed.

METES AND BOUNDS SURVEY

METES AND BOUNDS DESCRIPTION
5.6374 ACRES OUT OF THE
PIERCE SULLIVAN SURVEY, A-750
HOUSTON ,HARRIS COUNTY, TEXAS

All that certain 5.6374 acres of land out of the Pierce Sullivan Survey, A-750, Houston, Harris County, Texas and being more particularly described by metes and bounds as follows;

COMMENCING at a found 1/2" iron rod in the west right-of-way line of Interstate Highway 45 (width varies) marking the northeast corner of that certain called 2.2566 acre tract described in a Deed dated 12-08-2005, from R & A Harris North, L.P. to 13921 North Freeway, LTD, filed in the Official Public Records of Real Property of Harris County, Texas at Clerk File No. Y950435, Film Code No. 015-11-2102; Thence S 11° 41' 22" E - 88.40', with said west right-of-way line to a set 5/8" iron rod with cap for angle point; Thence S 16° 07' 02" E – 157.32', continuing with said west right-of-way line to a found 3/4" iron rod marking the POINT OF BEGINNING of the herein described tract;

THENCE S 16° 07' 02" E – 304.76', continuing with said west right-of-way line to a found PK nail for angle point;

THENCE S 16° 02' 20" E - 104.74', continuing with said west right-of-way line to a found 5/8" iron rod with cap for corner;

THENCE S 86° 52' 50" W - 376.66', with the north line of a 47,503 square feet tract of land described in a deed dated 07-28-1991 from O. Scott Rogers, Trustee to Houston Pipeline Company filed in the Official Public Records of Real Property of Harris County, Texas at Clerk File No. H145833, Film Code No. 195-92-1631 to a set Crow's Foot in concrete for corner, same being in the east right-of-way line of Old Kuykendahl Road (80' wide);

THENCE N 51° 44' 17" W - 154.03', with the east right-of-way line of Old Kuykendahl Road (80' wide) to a set 60D Nail for angle point;

THENCE N 51° 31' 29" W - 516.98', with the east right-of-way line of Old Kuykendahl Road (80' wide) to a found 5/8" iron rod for corner;

THENCE N 86° 53' 23" E – 522.04, with the north line of herein described tract to a found "X" in concrete for corner;

THENCE S 57°36'21" E – 19.77' to a found PK nail for corner;

THENCE S 02°40'33" E – 33.13' to a found PK nail for corner;

THENCE N 87°10'39" E – 249.03' with the most southerly south line of said 2.2566 acre tract to the POINT OF BEGINNING, containing 5.6374 acres (245,565 square feet) of land, more or less.

GENERAL NOTES

1. BEARINGS SHOWN BASED ON RECORD DEEDS (C.F. NOS. M715607, L216081)
2. NO PORTION OF THE SUBJECT SITE IS LOCATED WITHIN THE 100 YEAR SPECIAL FLOOD HAZARD AREA ACCORDING TO THE MOST RECENT OFFICIAL INSURANCE RATE MAP, DATED OCTOBER 16, 2013 MAP NUMBER 48201C0460M, ZONE "X", PROMULGATED BY THE ADMINISTRATOR OF THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT OF THE UNITED STATES. ANY REFERENCE TO THE 100 YEAR FLOOD PLAIN OR FLOOD HAZARD ZONES, ARE AN ESTIMATE BASED ON DATA PROVIDED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE PROGRAM AND SHOULD NOT BE INTERPRETED AS A STUDY OR DETERMINATION OF THE FLOODING PROPENSITIES OF THIS PROPERTY.
3. FUTURE REDEVELOPMENT OF SITE IS SUBJECT TO CITY OF HOUSTON ORDINANCE NO. 85–1878, DATED OCTOBER 23, 1985 BY THE CITY OF HOUSTON, A CERTIFIED COPY OF WHICH WAS FILED AUGUST 1, 1991, UNDER COUNTY CLERK FILE NO. N–253886, (SUPERSEDED BY CITY OF HOUSTON ORDINANCE NO. 1999–262), ADOPTED BY THE CITY OF HOUSTON RELATING TO RULES, AND REGULATIONS, PROCEDURES AND DESIGN STANDARDS FOR DEVELOPING AND PLATTING AND PROVIDING FOR ESTABLISHING BUILDING SETBACK LINES.
4. RESTRICTIVE COVENANTS FILED IN FC 517296 HCMR.
5. SEE SEPARATE LEGAL DESCRIPTION.
6. UTILITIES SHOWN HEREON ARE BASED ON SURFACE FIXTURES. ALL UTILITIES SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
7. THERE ARE NO NATURAL DRAINAGE COURSES ON THIS PROPERTY.
8. THERE IS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.
9. SURVEYOR KNOWS OF NO CHANGES IN STREET R–O–W LINES COMPLETED OR PROPOSED.
10. THERE IS NO OBSERVABLE EVIDENCE OF SITE USED AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.
11. THERE HAS BEEN NO WETLAND AREA DELINEATED BY APPROPRIATE AUTHORITIES.
12. THE CITY OF HOUSTON HAS NO ZONING.
13. THE SURVEYOR HAS PROFESSIONAL LIABILITY MINIMUM INSURANCE OF $1,000,000.
14. SURVEY IS THE SAME PROPERTY AS DESCRIBED IN THE TITLE COMMITMENT G.F. NO. 3711000423 ISSUED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY EFFECTIVE DATE 03–19–2015.

SCHEDULE B EXCEPTIONS – G.F. NO. 3711000423, EFFECTIVE DATE: 3–19–2015

a. Rights of parties in possession (Owner's Title Policy)

b. **Rights of tenants in possession, as tenants only, under any and all leases.**

c. DELETED

d. DELETED

e. DELETED

f. Any and all matters as shown on map filed for record under Film Code No. 517296. (PLOTTED)

g. Sign Easement Agreement filed for record under Harris County Clerk's File No. W041514. (DOES NOT AFFECT)

h. Sanitary Sewer And Drainwater Easement Agreement filed for record under Harris County Clerk's File No. Y950436. (BLANKET IN NATURE)

i. DELETED

j. Houston Lighting & Power Company ground and aerial easement along the South property line, as set forth and defined by instrument filed for record under Harris County Clerk's File No. G007387. (PLOTTED)

k. **All oil, gas, and other minerals as set forth by instrument recorded in Volume 960, Page 443 of the Deed Records of Harris County, Texas. (A 1/16th royalty retained and all minerals conveyed.)**

l. **Terms, conditions, and stipulations contained in that certain Waste Treatment Plant Utilization Agreement, filed for record under Harris County Clerk's File No. L223683.**

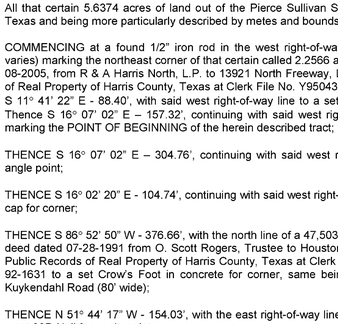
m. **Subject property is located within the City of Houston or within its extra territorial jurisdiction (within 5 miles of the city limits but outside another municipality). It is subject to the terms, conditions and provisions of City of Houston Ordinance Nos. 85-1878 and 99-262, pertaining to, among other things, the platting and re-platting of real property and to the establishment of building lines. A certified copy of said ordinance was filed of record on August 1, 1991 under Harris County Clerk's File No. N253886.**

n. The company by this policy does not insure against the exercise of power of any competent governmental authority to limit, control or deny access, ingress, egress, to the above described property from I.H. 45 or service road which the property abuts; nor does it insure that the assured has or shall continue to have access, ingress and egress from such property to and from such freeway and service road.

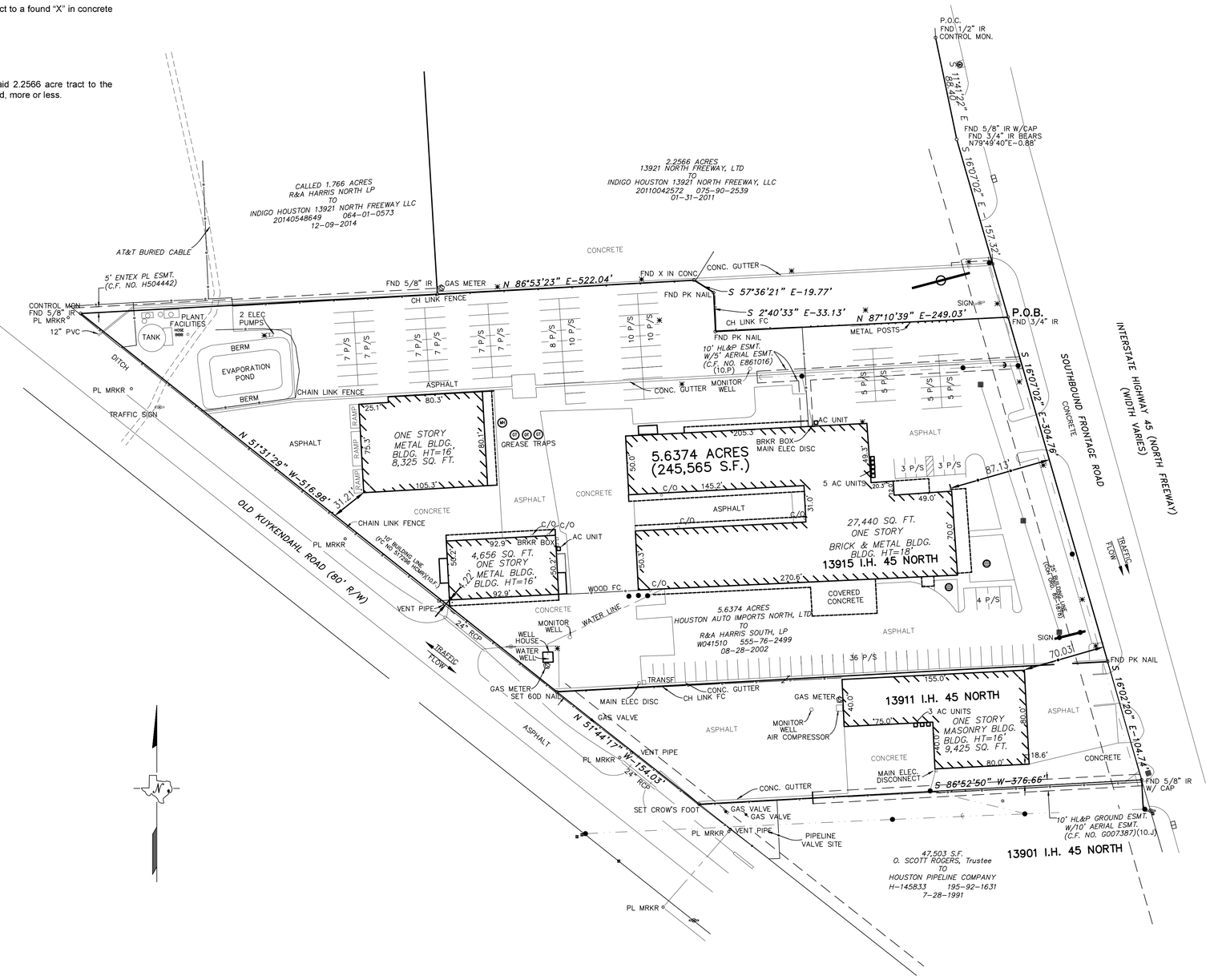
o. Subject property lies within the area designated and zoned by the City of Houston as the "Jetero Airport Site" and is subject to the restrictions and regulations imposed by Ordinance of the City of Houston, a certified copy of which is filed for record under Harris County Clerk's File No. J040968.

p. Easement to Houston Lighting & Power Company recorded under Clerk's File No. E861016. (PLOTTED)

q. Rights, if any, or PPM Realty, Ltd., a Texas limited partnership, if any, its successors and/or assigns, as tenants of the adjacent property to the North, to use of the sanitary control facilities located on the property, including, but not limited to the Well House, Water Well, Monitor Well, Tank and Evaporation Pond.



VICINITY MAP –NTS



TO: INDIGO HOUSTON 13921 NORTH FREEWAY LLC, A DELAWARE LIMITED LIABILITY COMPANY, COMERICA BANK, R & A HARRIS SOUTH, L.P., COMMONWEALTH LAND TITLE INSURANCE COMPANY;

This is to certify that this map or plat and the survey on which it is based were made and in accordance with the "2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA and NSPS, and includes items 1, 2, 3, 4, 6(b), 7(a), 7(b)(1), 8, 9, 11(a), 13, 16, 17, 18 and 21 of Table A thereof. The field work was completed on 03-15-2015.

STATE OF TEXAS
REGISTERED
N. M. MATHIS
4517
PROFESSIONAL LAND SURVEYOR

03–27–2015	N M Mathis	4517
DATE	N. M. MATHIS	R.P.L.S. NO.

LEGEND

- WATER METER
- FIRE HYDRANT
- WATER VALVE
- FIRE PROTECTION ON WALL
- METAL PIPE BOLLARD
- BUSINESS/DIRECTORY SIGN
- GREASE TRAP
- TELEPHONE ENCLOSURE
- TRAFFIC LIGHT STANDARD
- TRAFFIC SIGNAL PULL/CONTROL BOX
- POWER POLE w/DOWN GUY
- STREET/AREA LIGHT
- GAS VALVE
- GAS METER
- STORM/SANITARY SEWER MANHOLE
- AREA DRAIN
- TYPE B–B INLET
- TYPE B INLET
- PLANTER
- H.L.&P. MANHOLE
- OVERHEAD ELECTRIC LINE
- 12" St.Swr. — STORM SEWER WITH SIZE
- 2"G — BURIED GAS LINE WITH SIZE
- 12"W — BURIED WATER LINE WITH SIZE
- CHAIN LINK FENCE
- ROOF OVERHANG
- POWER POLE
- HC — HANDICAPPED PARKING SPACE
- C/O — SEWER CLEAN OUT

PREJEAN & COMPANY, INC.
surveying / mapping
9324 WESTVIEW DRIVE
HOUSTON, TX 77055
713–467–MAPS

ALTA/ACSM LAND TITLE SURVEY

5.6374 ACRES OUT OF
RESTRICTED COMMERCIAL RESERVE "B", BLOCK 1
I.H. 45 DEALERSHIP CENTRE
(FC 517296, HCMR)
HARRIS, COUNTY, TEXAS

03–27–2015	1"=50'	193–14–4D
GF NO. 3711000423	COMMONWEALTH LAND TITLE INSURANCE COMPANY	

SPECIAL WARRANTY DEED

20150192654
05/06/2015 ER $32.00

WD
J

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

Record and Return to:
Michelle Brown
Jones Day
2727 N. Harwood Street
Dallas, Texas 75201

SPECIAL WARRANTY DEED

STATE OF TEXAS)
) ss. KNOW ALL BY THESE PRESENTS:
COUNTY OF HARRIS)

ER 069-03-2094

THAT **R&A HARRIS SOUTH, LP**, a Texas limited partnership ("Grantor"), for and in consideration of the sum of $10.00 and other good and valuable consideration paid to Grantor by **INDIGO HOUSTON 13921 NORTH FREEWAY LLC**, a Delaware limited liability company ("Grantee"), whose current address is 13921 N. Freeway, Houston, Texas 77090, the receipt and sufficiency whereof are hereby acknowledged, has GRANTED, BARGAINED, SOLD AND CONVEYED, and by these presents does hereby GRANT, BARGAIN, SELL AND CONVEY unto Grantee, all of that certain real property situated in Harris County, Texas, more particularly described on **Exhibit A** attached hereto and made a part hereof for all purposes (the "Land"), together with all buildings, improvements, structures and fixtures located thereon and all benefits, priviliges, easements, hereditaments and other rights appurtenant thereto, including but not limited to all right, title and interest of Grantor in and to (i) any streets, alleys, ways, sewer rights, utility capacity or rights thereto, water courses and water bodies adjacent to the Land, and (ii) any oil, gas and other minerals lying under the Land and another other mineral rights related thereto (the Land and all of the foregoing being collectively referred to herein as the "Property"). 1EE

TO HAVE AND TO HOLD the Property unto Grantee, Grantee's successors and assigns, forever; and Grantor does hereby bind Grantor and Grantor's successors and assigns to WARRANT AND FOREVER DEFEND all and singular the Property unto Grantee, Grantee's successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through or under Grantor, but not otherwise, subject only to the matters listed on **Exhibit B** attached hereto and made a part hereof for all purposes.

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

Record and Return to:
Michelle Brown
Jones Day
2727 N. Harwood Street
Dallas, Texas 75201

SPECIAL WARRANTY DEED

STATE OF TEXAS)
) ss. KNOW ALL BY THESE PRESENTS:
COUNTY OF HARRIS)

THAT **R&A HARRIS SOUTH, LP**, a Texas limited partnership ("Grantor"), for and in consideration of the sum of $10.00 and other good and valuable consideration paid to Grantor by **INDIGO HOUSTON 13921 NORTH FREEWAY LLC**, a Delaware limited liability company ("Grantee"), whose current address is 13921 N. Freeway, Houston, Texas 77090, the receipt and sufficiency whereof are hereby acknowledged, has GRANTED, BARGAINED, SOLD AND CONVEYED, and by these presents does hereby GRANT, BARGAIN, SELL AND CONVEY unto Grantee, all of that certain real property situated in Harris County, Texas, more particularly described on **Exhibit A** attached hereto and made a part hereof for all purposes (the "Land"), together with all buildings, improvements, structures and fixtures located thereon and all benefits, priviliges, easements, hereditaments and other rights appurtenant thereto, including but not limited to all right, title and interest of Grantor in and to (i) any streets, alleys, ways, sewer rights, utility capacity or rights thereto, water courses and water bodies adjacent to the Land, and (ii) any oil, gas and other minerals lying under the Land and another other mineral rights related thereto (the Land and all of the foregoing being collectively referred to herein as the "Property").

TO HAVE AND TO HOLD the Property unto Grantee, Grantee's successors and assigns, forever; and Grantor does hereby bind Grantor and Grantor's successors and assigns to WARRANT AND FOREVER DEFEND all and singular the Property unto Grantee, Grantee's successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through or under Grantor, but not otherwise, subject only to the matters listed on **Exhibit B** attached hereto and made a part hereof for all purposes.

EXECUTED to be effective as of the 1st day of May, 2015.

GRANTOR:

R&A HARRIS SOUTH, LP,
a Texas limited partnership

By: R&A Harris Investments, LLC,
a Delaware limited liability company,
its general partner

By: _____
Name: Andrew Pfeifer
Title: Vice Pres

STATE OF Florida)
) SS
COUNTY OF DADE)

This instrument was ACKNOWLEDGED before me on the 28 day of April, 2015, by ANDREW PFEIFER, VICE-PRESIDENT of **R&A HARRIS INVESTMENTS, LLC**, a Delaware limited liability company, in its capacity as general partner of **R&A HARRIS SOUTH, LP**, a Texas limited partnership, on behalf of said limited liability company.

Notary Public State of Florida
Edit E Monterroso
My Commission FF 062690
Expires 11/18/2017

_____
Notary Public, State of FLORIDA.

My commission expires: 11/18/2017

[seal]

[Signature Page]

DLI-266523154v2

EXHIBIT A

Legal Description

All that certain 5.6374 acres of land out of the Pierce Sullivan Survey, A-750, Houston, Harris County, Texas and being more particularly described by metes and bounds as follows:

COMMENCING at a found 1/2" iron rod in the west right-of-way line of Interstate Highway 45 (width varies) marking the northeast corner of that certain called 2.001 acre tract described in a Deed dated 07/09/1987 from Pennel Hill Corporation to Dealership Realty Corporation, filed in the Official Public Records of Real Property of Harris County, Texas at Clerk File No. L216061, Film Code No. 185-35-0502; Thence South 11 degrees 41 minutes 22 seconds East - 88.40', with said west right-of-way line to a found 5/8" iron rod with cap for angle point; Thence South 16 degrees 07 minutes 02 seconds East - 157.32', continuing with said west right-of-way line to a set 3/4" iron rod marking the POINT OF BEGINNING of the herein described tract;

THENCE South 16 degrees 07 minutes 02 seconds East - 304.76', continuing with said west right-of-way line to a set PK Nail for angle point;

THENCE South 16 degrees 02 minutes 20 seconds East - 104.74', continuing with said west right-of-way line to a found 5/8" iron rod with cap for corner;

THENCE South 86 degrees 52 minutes 50 seconds West - 376.66', with the north line of a 47,503 square feet tract of land described in a Deed dated 07/28/1991 from O. Scott Rogers, Trustee to Houston Pipeline Company, filed in the Official Public Records of Real Property of Harris County, Texas at Clerk File No. H145833, Film Code No. 195-92-1631 to a set "X" in concrete for corner, same being in east right-of-way line of Old Kuykendahl Road 80" wide;

THENCE North 51 degrees 44 minutes 17 seconds West - 154.03', with the east right-of-way line of Old Kuykendahl Road (80' wide) to a found 5/8" iron rod for angle point;

THENCE North 51 degrees 31 minutes 29 seconds West - 516.98', with the east right-of-way line of Old Kuykendahl Road (80' wide) to a found 5/8" iron rod for corner;

THENCE North 86 degrees 53 minutes 23 seconds East - 522.04', with the south line of lands conveyed to Dealership Realty Corp. in aforementioned deed to a found PK nail for corner;

THENCE departing from said south line of the following bearings and distances: South 57 degrees 36 minutes 21 seconds East - 19.77' to a found PK nail for corner; South 02 degrees 40 minutes 33 seconds East - 33.13' to a found PK nail for corner; North 87 degrees 10 minutes 39 seconds East - 249.03' to the POINT OF BEGINNING, containing 5.6374 acres (245,565 square feet) of land, more or less.

Note: The above-described metes and bounds legal description being the same property as Restricted Commercial Reserve "B" of I.H. 45 Dealership Center, per Plat recorded as Instrument No. V953352 in the Office of the Harris County Clerk, Harris County, Texas.

EXHIBIT B

Permitted Exceptions

1. Covenants, conditions and restrictions recorded in/under Film Code No. 517296 of the Map Records of HARRIS, County, Texas but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, or source of income, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law.

2. Shortages in area.

3. Homestead or community property or survivorship rights, if any, of any spouse of any insured.

4. Any titles or rights asserted by anyone, including, but not limited to, persons, the public, corporations, governments or other entities,

   a. to tidelands, or lands comprising the shores or beds of navigable or perennial rivers and streams, lakes, bays, gulfs or oceans, or

   b. to lands beyond the line of harbor or bulkhead lines as established or changed by any government, or

   c. to filled-in lands, or artificial islands, or

   d. to statutory water rights, including riparian rights, or

   e. to the area extending from the line of mean low tide to the line of vegetation, or the rights of access to that area or easement along and across that area.

5. Standby fees, taxes and assessments by any taxing authority for the year 2015, and subsequent years and subsequent taxes and assessments by any taxing authority for prior years due to change in land usage or ownership, but not those taxes or assessments for prior years because of an exemption granted to a previous owner of the property under Section 11.13, Texas Tax Code, or because of improvements not assessed for a previous tax year.

6. Ten foot building setback line along the West property line and a twenty five foot building setback line along the East property line as shown on map filed for record under Film Code No. 517296, as shown on that certain survey by Prejean & Company, Inc., Project Number 193-14-4D, dated March 27, 2015.

7. Houston Lighting & Power Company ground and aerial easement along the South property line, as set forth and defined by instrument filed for record under Harris County Clerk's File No. G007387 as shown on that certain survey by Prejean & Company, Inc., Project Number 193-14-4D, dated March 27, 2015.

8. All oil, gas, and other minerals as set forth by instrument recorded in Volume 960, Page 443 of the Deed Records of Harris County, Texas. (A 1/16th royalty retained and all minerals conveyed.)

9. The Property is located within the City of Houston or within its extra territorial jurisdiction (within 5 miles of the city limits but outside another municipality). It is subject to the terms, conditions and provisions of City of Houston Ordinance Nos. 85-1878 and 99-262, pertaining to, among other things, the platting and re-platting of real property and to the establishment of building lines. A certified copy of said ordinance was filed of record on August 1, 1991 under Harris County Clerk's File No. N253886.

10. The Property lies within the area designated and zoned by the City of Houston as the "Jetero Airport Site" and is subject to the restrictions and regulations imposed by Ordinance of the City of Houston, a certified copy of which is filed for record under Harris County Clerk's File No. J040968.

11. Easement to Houston Lighting & Power Company recorded under Clerk's File No. E861016 as shown on that certain survey by Prejean & Company, Inc., Project Number 193-14-4D, dated March 27, 2015.

12. Encroachment of 1-story building over building line on the Southwest property line, as shown on that certain survey by Prejean & Company, Inc., Project Number 193-14-4D, dated March 27, 2015.

20150192654

Pages 6

05/06/2015 01:47 PM

e-Filed & e-Recorded in the

Official Public Records of

HARRIS COUNTY

STAN STANART

COUNTY CLERK

Fees $32.00

ER 069-03-2099

RECORDERS MEMORANDUM
This instrument was received and recorded electronically and any blackouts, additions or changes were present at the time the instrument was filed and recorded.

Any provision herein which restricts the sale, rental, or use of the described real property because of color or race is invalid and unenforceable under federal law.
THE STATE OF TEXAS
COUNTY OF HARRIS
I hereby certify that this instrument was FILED in File Number Sequence on the date and at the time stamped hereon by me; and was duly RECORDED in the Official Public Records of Real Property of Harris County, Texas.

COUNTY COURT OF HARRIS COUNTY, TEXAS

Stan Stanart

COUNTY CLERK
HARRIS COUNTY, TEXAS

APPENDIX B

APPENDIX B

A description of the current use, and, to the extent know, the anticipated use(s), of the designated property and properties within 500 feet of the boundary of the designated property.

The Site, owned by indiGO Houston 13921 North Freeway, LLC, is considered commercial and formerly operated as the Mercedes North Houston Dealership located at 13911 and 13915 Interstate 45 North in Houston, Harris County, Texas. All on-site buildings and associated parking areas have been razed, and the designated property presently consists of graded, vacant land with the exception of a wastewater treatment system equipped with a septic sewage tank and aeration pond located on the northwest portion of the Site. The treatment system operates under Texas Pollutant Discharge Elimination System Permit WQ0005105000. According to Matt Smith, Executive Vice President of indiGO Houston 13921 North Freeway, LLC,thewastewatertreatmentsystemisscheduledtoberazedinNovember/December2015.

Adjacentpropertiesandpropertieswithin500feetofthedesignatedpropertyareresidential (apartmentcomplex)andcommercialasdescribedbelow:

North:LamborghiniHoustondealership
DemontrondAutoplex
TheAugustaApartments(northwest)

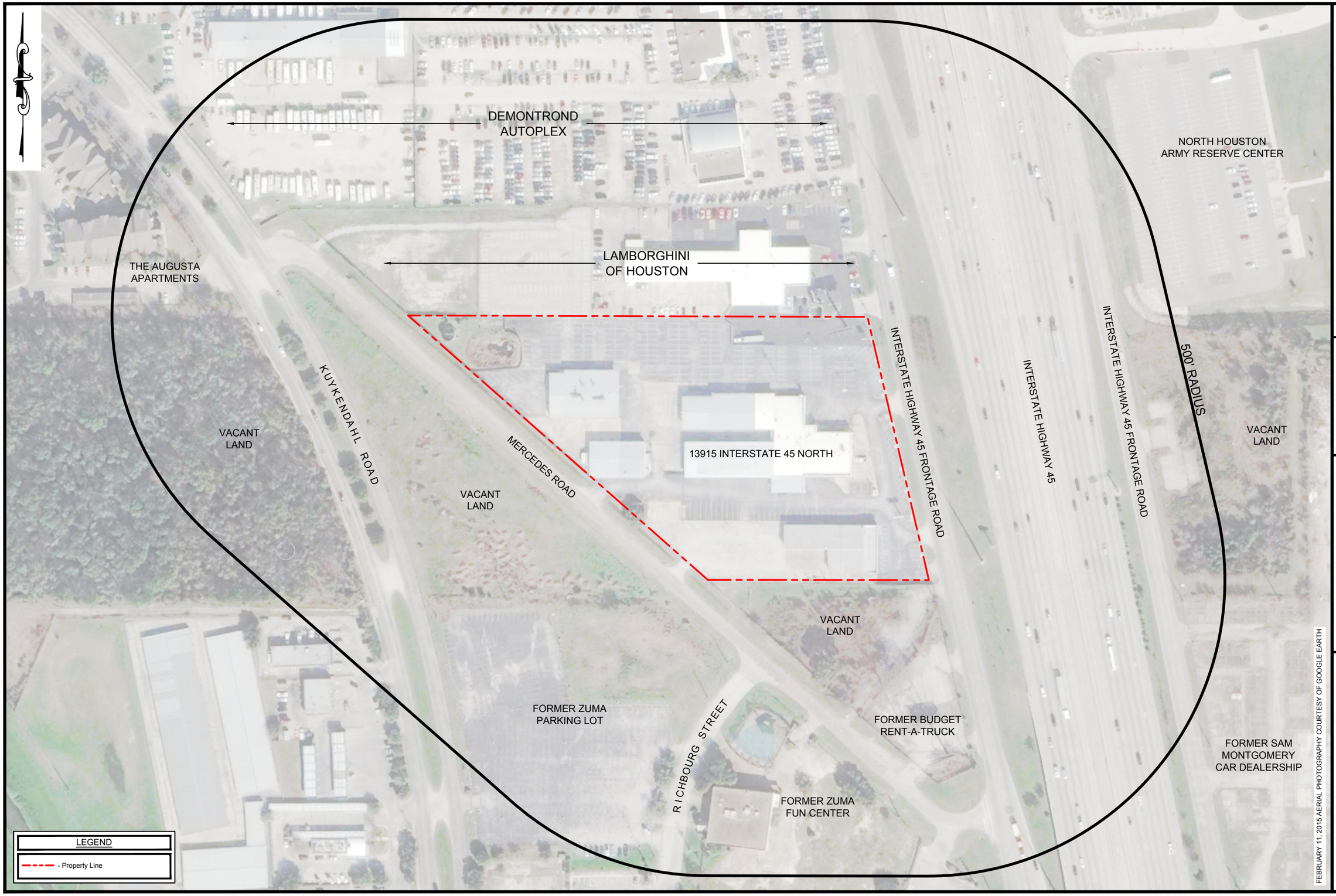
South:VacantLand
FormerBudgetRent-a-truck(currentlyvacantland)
MercedesDrive
FormerZumaFunCenter
ShellServiceStation
RichbourgStreet
CaptainBenny'sSeafood
ZumaFunCenterParkingLot(southwest)
FormerExxongasolinefuelingstation(currentlyvacantlandtothesouthwest)

East:Interstate45andassociatedfeederroads
FormerSamMontgomeryCarDealership(currentlyvacantland)
NorthHoustonArmyReserveCenter

West:MercedesDrive
VacantLand
KuykendahlRoad
VacantLand

Theanticipateduseofthedesignatedpropertywillbecommercial(RetailNew&Used AutomobileDealershiptoincludevehicleserviceandpartsoperations)whilesurrounding propertiesareanticipatedtoremainresidential/commercial.

AttachedFigure–SitePlanwith500FeetRadius



Appendix B
Site Plan with 500' Radius
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Site Plan.dwg : 500' Radius

APPENDIX C

APPENDIX C

3. A Site map showing.

a. The location of the designated property.
b. The topography of the designated property as indicated on publicly available sources, which must note the watershed <u>including the nearest surface water body</u> and whether the designated property is located in a floodplain or floodway, as those terms are defined in Chapter 19 of the Code of Ordinances.
c. The detected area of groundwater contamination.
d. The location of all soil sampling locations and all groundwater monitoring wells.
e. Groundwater gradients, to the extent known, and direction of groundwater flow.
f. The ingestion protective concentration level exceedence zone for each contamination of concern, to the extent known
g. Depth to groundwater for each affected zone

<u>Attached Figures</u>
Exhibit 1A - Site Plan
Exhibit 1B - Site Vicinity Map (Topographic Map)
Exhibit 1C - Detected Area of Groundwater Contamination
Exhibit 1D - Sample Location Map
Exhibit 1E - Groundwater Gradient Map – May 2012
Exhibit 1F - Groundwater Gradient Map – August 2012
Exhibit 1G - Groundwater Gradient Map – November 2012
Exhibit 1H - Groundwater Gradient Map – March 2013
Exhibit 1I - Groundwater Gradient Map – September 2013
Exhibit 1J - Groundwater Gradient Map – February 2014
Exhibit 1K - Groundwater Gradient Map – May 2014
Exhibit 1L - Groundwater Gradient Map – November 2014
Exhibit 1M - Groundwater Gradient Map – March 2015
Exhibit 1N - Groundwater Gradient Map – June 2015
Exhibit 1O - Dissolved COC Distribution Map – May 2012
Exhibit 1P - Dissolved COC Distribution Map – August 2012
Exhibit 1Q - Dissolved COC Distribution Map – November 2012
Exhibit 1R - Dissolved COC Distribution Map – March 2013
Exhibit 1S - Dissolved COC Distribution Map – September 2013
Exhibit 1T - Dissolved COC Distribution Map – February 2014
Exhibit 1U - Dissolved COC Distribution Map – May 2014
Exhibit 1V - Dissolved COC Distribution Map – August 2014
Exhibit 1W - Dissolved COC Distribution Map – November 2014
Exhibit 1X - Dissolved COC Distribution Map – March 2015
Exhibit 1Y - Dissolved COC Distribution Map – June 2015
Exhibit 1Z - Groundwater PCLE Zone – January 2003
Exhibit 1AA - Groundwater PCLE Zone – Vinyl Chloride (June 2015)

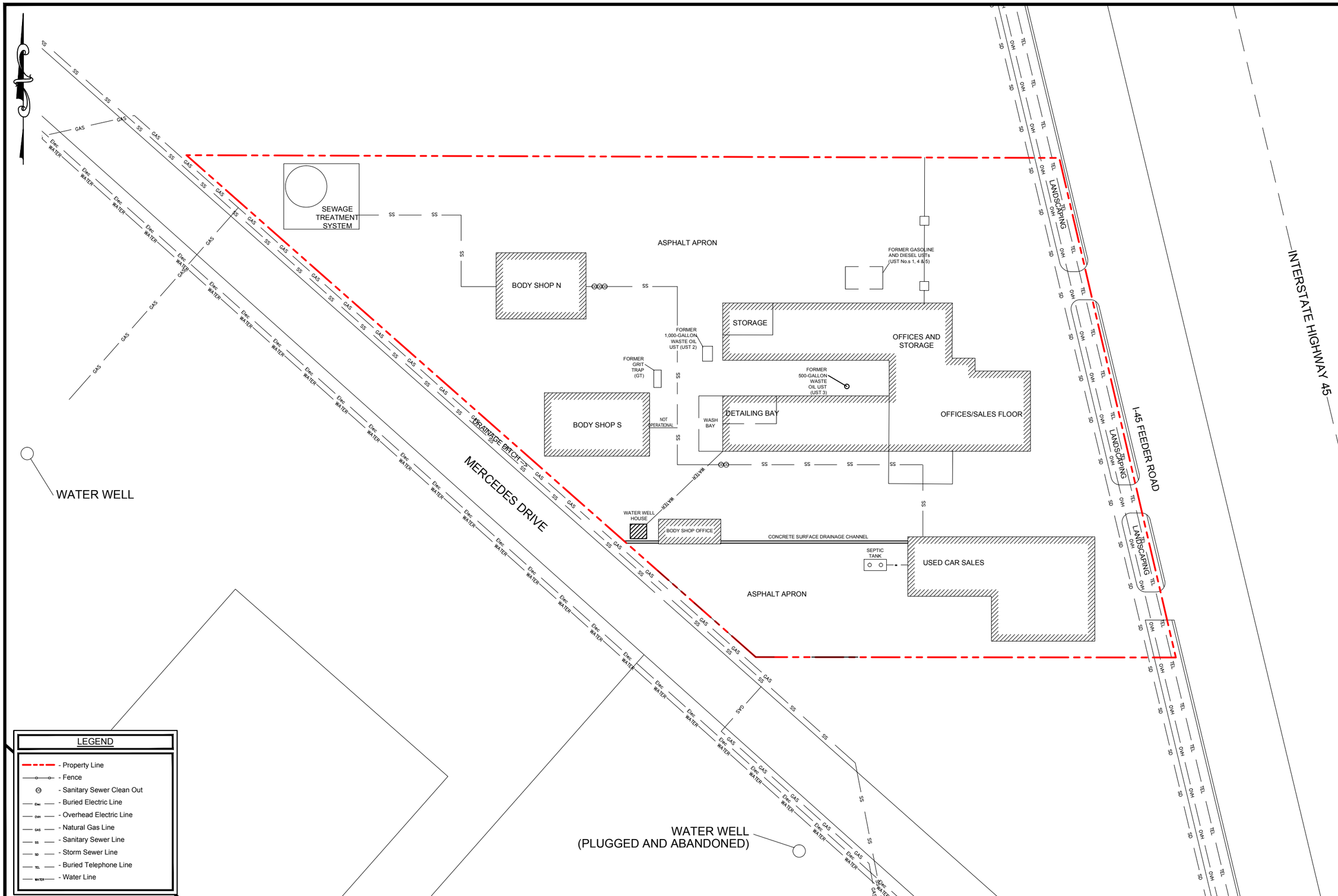


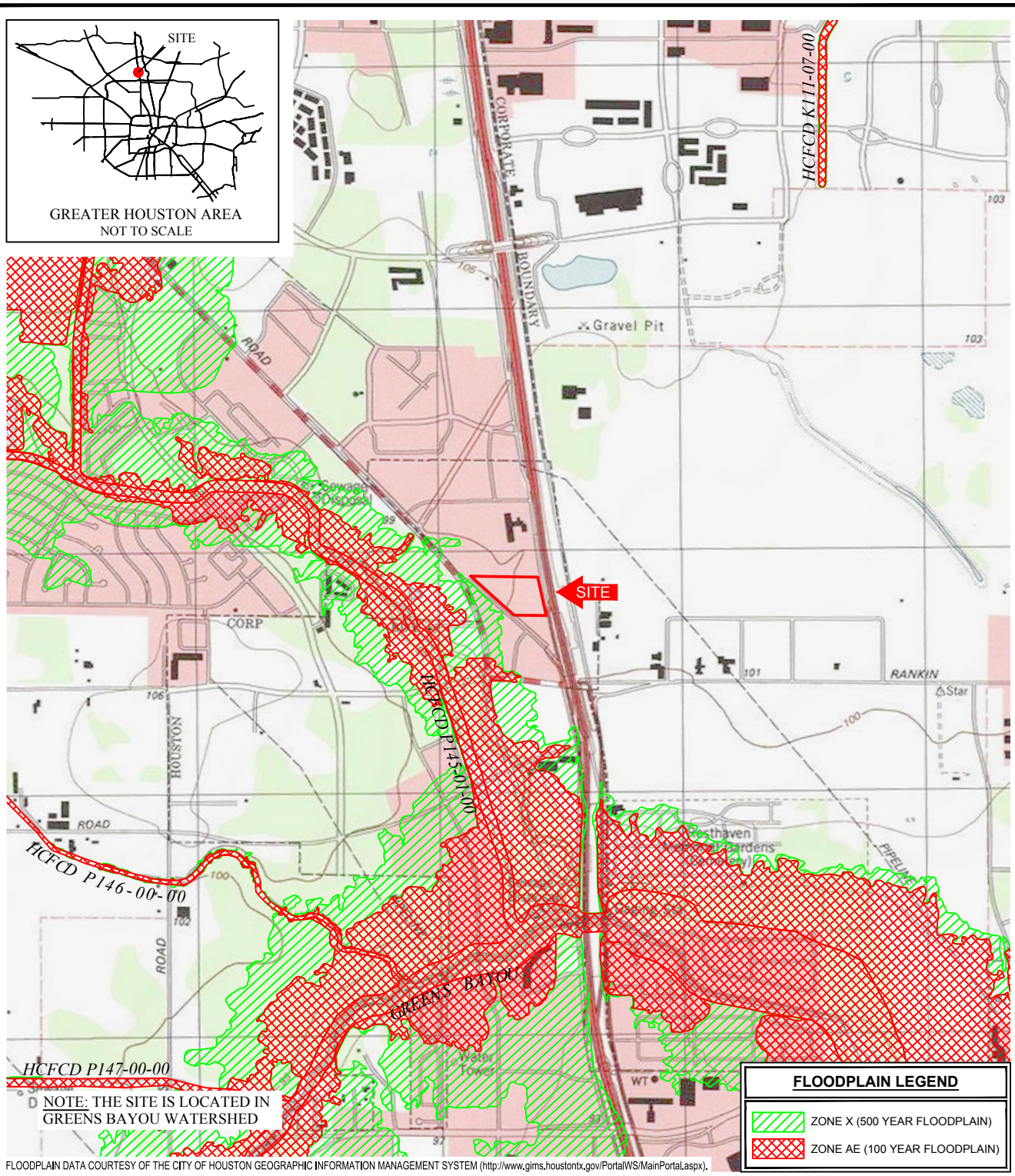
Exhibit 1A
Site Plan
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Site Plan.dwg : Site Plan



FLOODPLAIN DATA COURTESY OF THE CITY OF HOUSTON GEOGRAPHIC INFORMATION MANAGEMENT SYSTEM (http://www.gims.houstontx.gov/PortalWS/MainPortal.aspx).

USGS TOPOGRAPHIC QUADRANGLE MAP

Aldine, Texas

Terracon
Consulting Engineers & Scientists

Revised: 1995

APPROXIMATE SCALE 1"= 2000'

0 1000' 2000'

N

MSD Application
13915 Interstate 45 North
Houston, Texas

TERRACON PROJECT NO. 92157272

Prepared By: BEW

Approved By: GAP

EXHIBIT 1B:
SITE VICINITY MAP

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Topo.dwg : 1995 Aldine

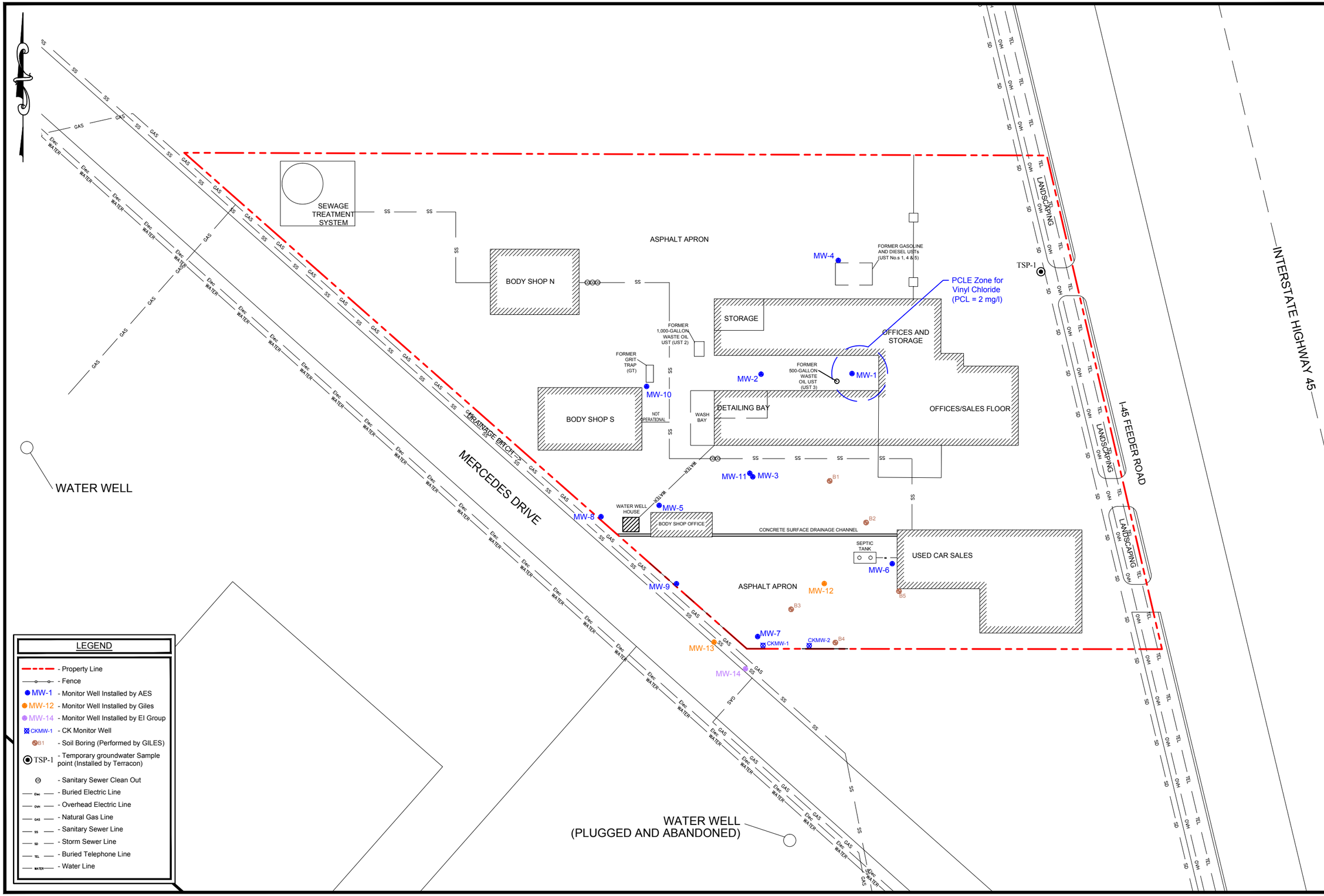


Exhibit 1C
Detected Area of Groundwater Contamination
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Site Plan.dwg : Detected GW Contamination

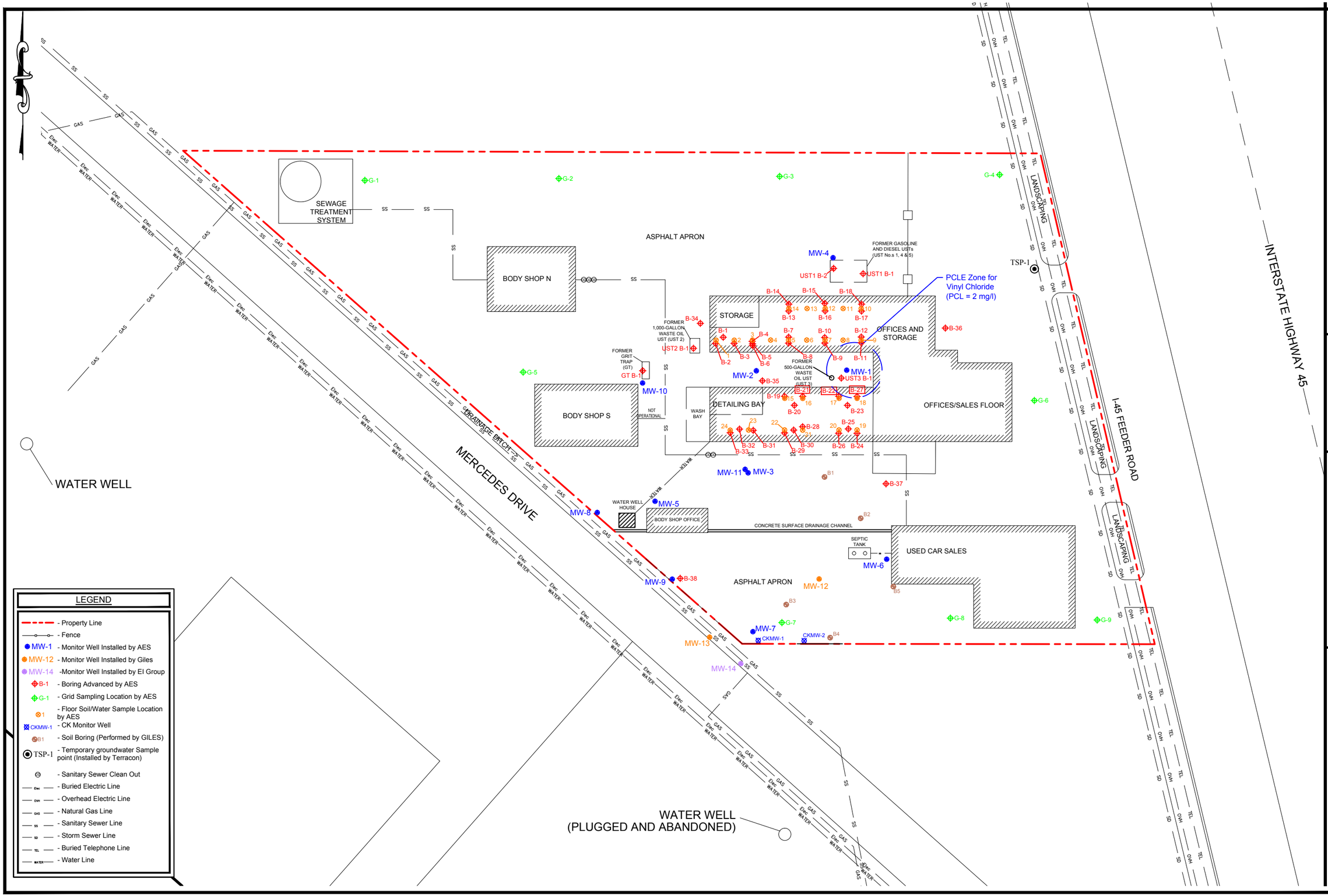


Exhibit 1D
Sample Location Map
MSD Application
13915 Interstate 45 North
Houston, Texas

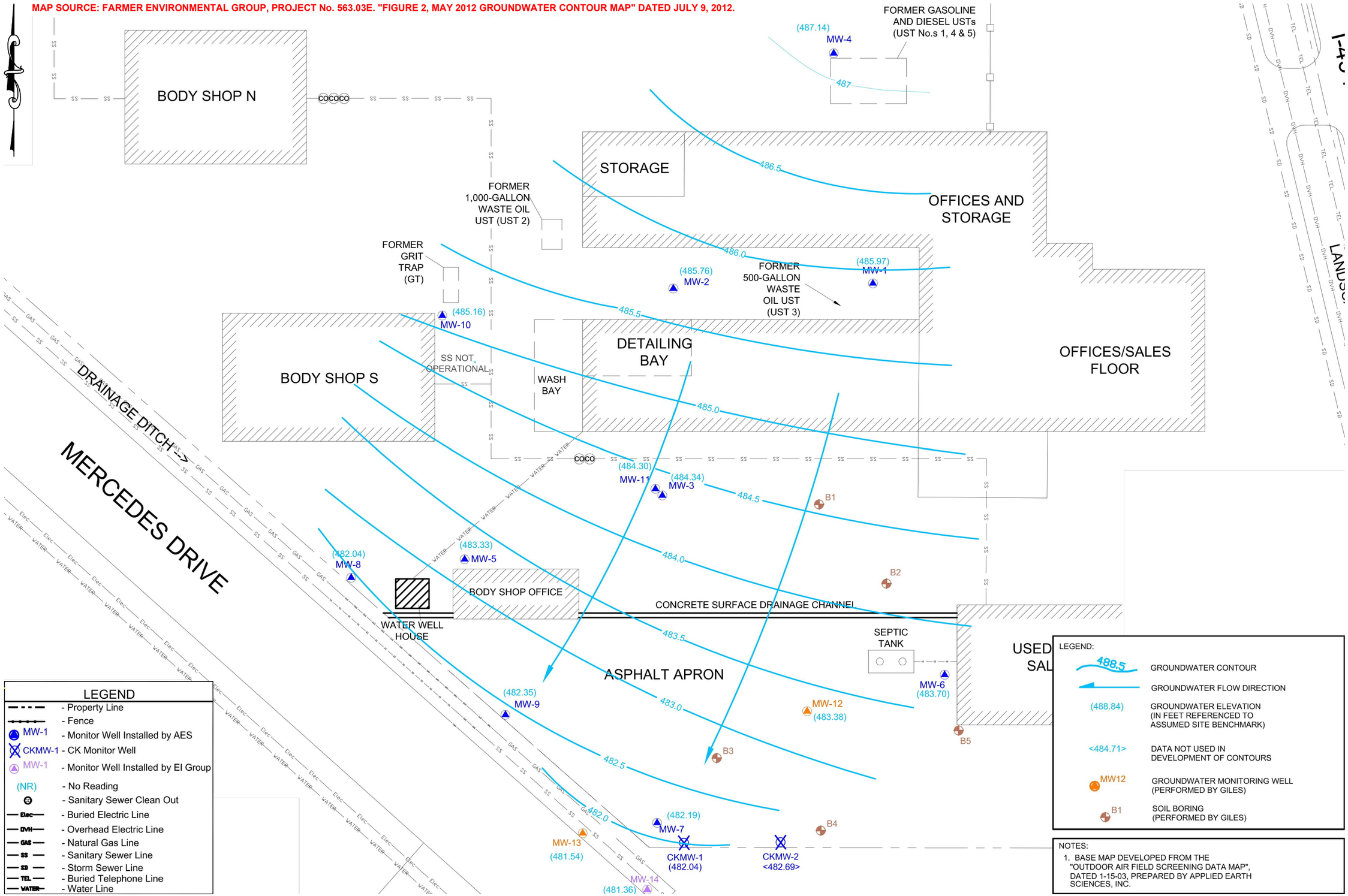
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Site Plan.dwg : Sample Locations

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.03E. "FIGURE 2, MAY 2012 GROUNDWATER CONTOUR MAP" DATED JULY 9, 2012.



LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW-1 - CK Monitor Well
- MW-1 - Monitor Well Installed by EI Group
- (NR) - No Reading
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- 488.5 - GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- (488.84) - GROUNDWATER ELEVATION (IN FEET REFERENCED TO ASSUMED SITE BENCHMARK)
- <484.71> - DATA NOT USED IN DEVELOPMENT OF CONTOURS
- MW12 - GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- B1 - SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 40' 80'

APPROXIMATE SCALE: 1" = 40'

Exhibit 1E
Groundwater Gradient Map - May 2012
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2012-05

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.11. "FIGURE 2, AUGUST 2012 GROUNDWATER CONTOUR MAP" DATED SEPTEMBER 19, 2012.

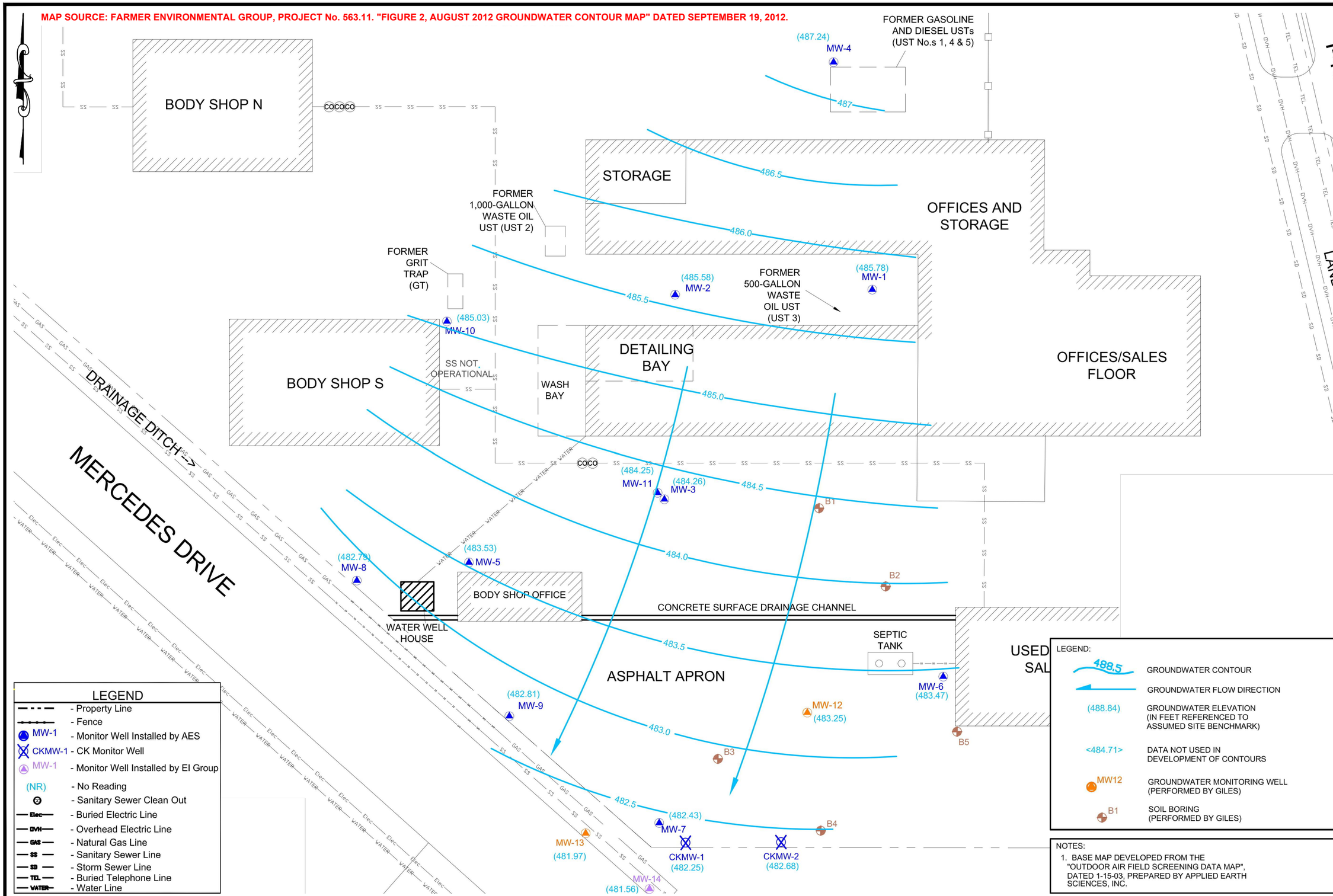


Exhibit 1F
Groundwater Gradient Map - August 2012
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists
TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2012-08

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.12. "FIGURE 2, NOVEMBER 2012 GROUNDWATER CONTOUR MAP" DATED DECEMBER 14, 2012.

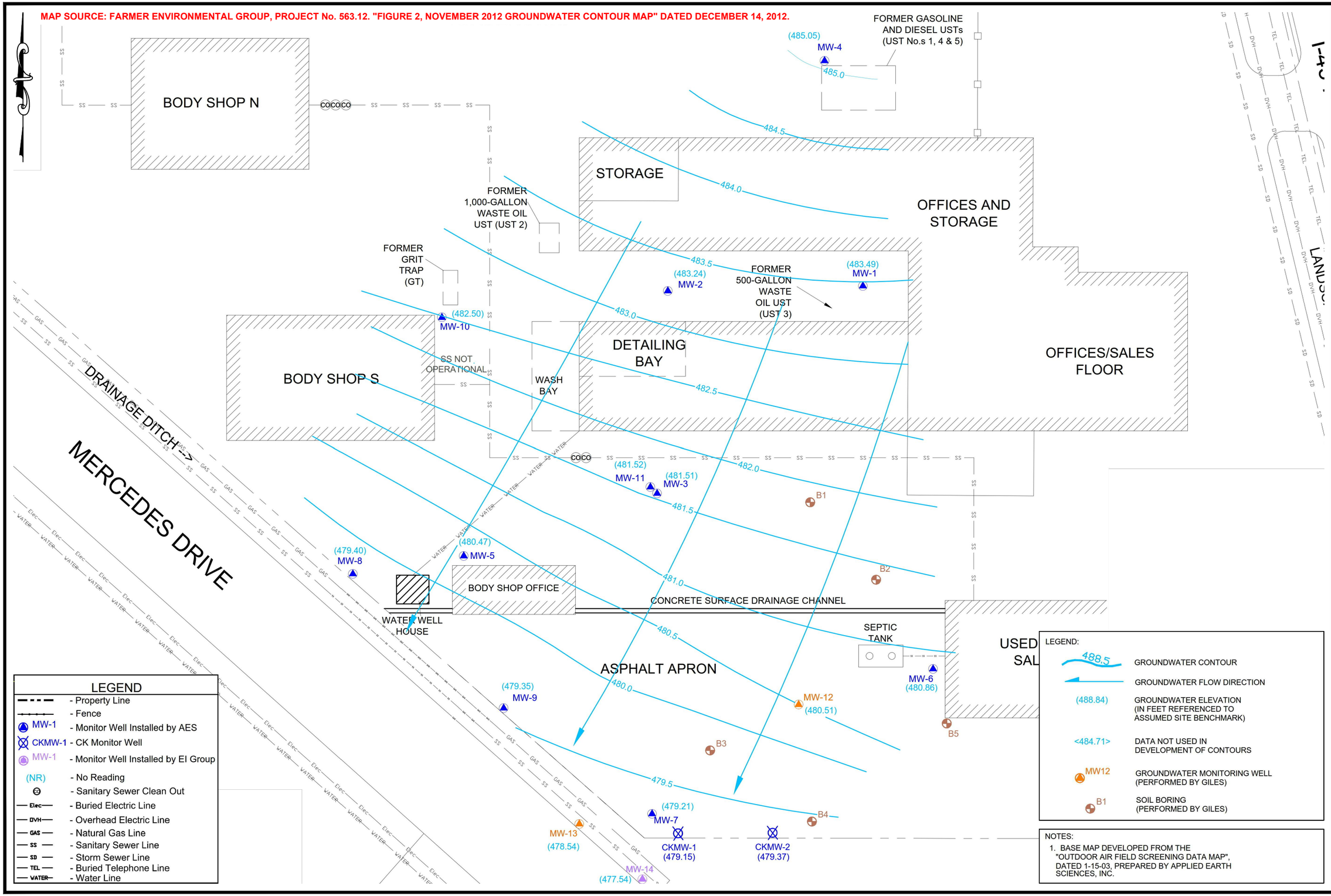


Exhibit 1G
Groundwater Gradient Map - November 2012
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2012-11

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.18. "FIGURE 2, MARCH 2013 GROUNDWATER CONTOUR MAP" DATED MAY 16, 2013.

BODY SHOP N

FORMER GASOLINE AND DIESEL USTs (UST No.s 1, 4 & 5)

(485.74) MW-4

485.5

STORAGE

485.0

OFFICES AND STORAGE

FORMER 1,000-GALLON WASTE OIL UST (UST 2)

FORMER GRIT TRAP (GT)

484.5

MW-2 (484.36)

FORMER 500-GALLON WASTE OIL UST (UST 3)

(484.51) MW-1

(484.00) MW-10

DETAILING BAY

484.0

OFFICES/SALES FLOOR

BODY SHOP S

SS NOT OPERATIONAL

WASH BAY

DRAINAGE DITCH

MERCEDES DRIVE

483.5

(483.01) MW-11

(483.00) MW-3

B1

483.0

(481.97) MW-8

(482.26) MW-5

B2

482.5

BODY SHOP OFFICE

CONCRETE SURFACE DRAINAGE CHANNEL

WATER WELL HOUSE

SEPTIC TANK

ASPHALT APRON

482.0

(481.39) MW-9

MW-12 (482.10)

MW-6 (482.34)

B5

B3

481.5

(481.13) MW-7

B4

MW-13 (480.57)

CKMW-1 (480.96)

CKMW-2 (481.38)

MW-14 (480.27)

LANDSCAPE

I-45

LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW-1 - CK Monitor Well
- MW-1 - Monitor Well Installed by El Group
- (NR) - No Reading
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- 488.5 - GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- (488.84) - GROUNDWATER ELEVATION (IN FEET REFERENCED TO ASSUMED SITE BENCHMARK)
- <484.71> - DATA NOT USED IN DEVELOPMENT OF CONTOURS
- MW12 - GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- B1 - SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 40' 80'

APPROXIMATE SCALE: 1" = 40'

Exhibit 1H
Groundwater Gradient Map - March 2013
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2013-03

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.19. "FIGURE 2, SEPTEMBER 2013 GROUNDWATER CONTOUR MAP" DATED OCTOBER 30, 2013.

BODY SHOP N

FORMER GASOLINE AND DIESEL USTs (UST No.s 1, 4 & 5)

(483.91) MW-4

STORAGE

483

OFFICES AND STORAGE

FORMER 1,000-GALLON WASTE OIL UST (UST 2)

FORMER GRIT TRAP (GT)

(NR) MW-10

MW-2 (NR)

FORMER 500-GALLON WASTE OIL UST (UST 3)

(482.39) MW-1

482

DETAILING BAY

OFFICES/SALES FLOOR

BODY SHOP S

SS NOT OPERATIONAL

WASH BAY

DRAINAGE DITCH

MERCEDES DRIVE

I-45

LANDS

481

(NR) MW-11

(NR) MW-3

B1

(NR) MW-8

MW-5

B2

BODY SHOP OFFICE

480

CONCRETE SURFACE DRAINAGE CHANNEL

WATER WELL HOUSE

SEPTIC TANK

USED SAL

ASPHALT APRON

MW-6 (NR)

(478.96) MW-9

MW-12 (479.52)

B5

479

B3

(478.52) MW-7

B4

MW-13 (477.98)

CKMW-1 (478.36)

CKMW-2 (478.68)

MW-14 (477.56)

478

LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW-1 - CK Monitor Well
- MW-1 - Monitor Well Installed by EI Group
- (NR) - No Reading
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- 488.5 - GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- (488.84) - GROUNDWATER ELEVATION (IN FEET REFERENCED TO ASSUMED SITE BENCHMARK)
- <484.71> - DATA NOT USED IN DEVELOPMENT OF CONTOURS
- MW12 - GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- B1 - SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 40' 80'

APPROXIMATE SCALE: 1" = 40'

Exhibit 11
Groundwater Gradient Map - September 2013
MSD Application
13915 Interstate 45 North
Houston, Texas

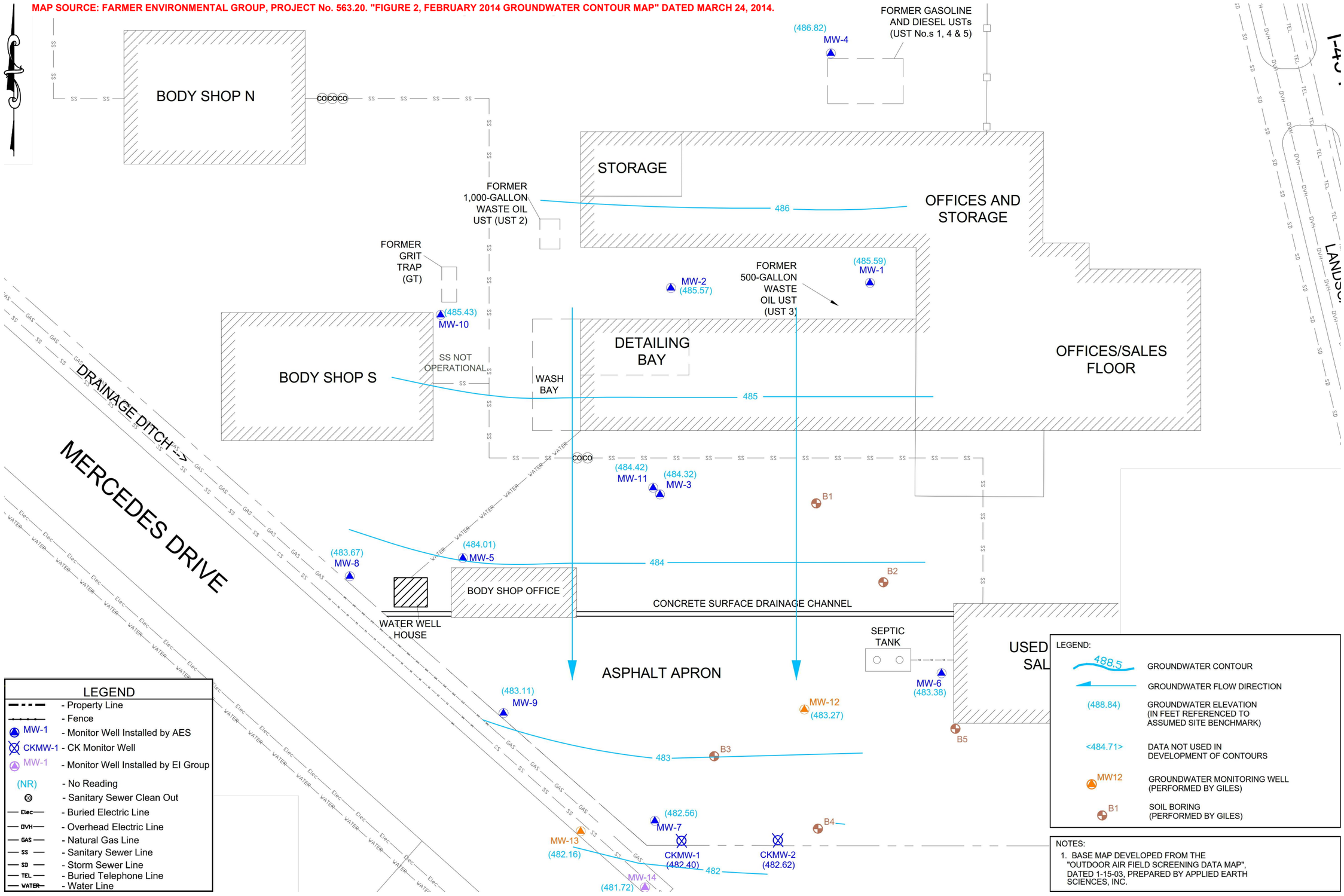
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2013-09

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.20. "FIGURE 2, FEBRUARY 2014 GROUNDWATER CONTOUR MAP" DATED MARCH 24, 2014.



LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW-1 - CK Monitor Well
- MW-1 - Monitor Well Installed by EI Group
- (NR) - No Reading
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- 488.5 - GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- (488.84) - GROUNDWATER ELEVATION (IN FEET REFERENCED TO ASSUMED SITE BENCHMARK)
- <484.71> - DATA NOT USED IN DEVELOPMENT OF CONTOURS
- MW12 - GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- B1 - SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 40' 80'

APPROXIMATE SCALE: 1" = 40'

Exhibit 1J
Groundwater Gradient Map - February 2014
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2014-02

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.22. "FIGURE 2, MAY 2014 GROUNDWATER CONTOUR MAP" DATED JULY 9, 2014.

BODY SHOP N

FORMER GASOLINE AND DIESEL USTs (UST No.s 1, 4 & 5)

(487.79) MW-4

487.5

STORAGE

OFFICES AND STORAGE

FORMER 1,000-GALLON WASTE OIL UST (UST 2)

487.0

FORMER GRIT TRAP (GT)

MW-2 (486.65)

FORMER 500-GALLON WASTE OIL UST (UST 3)

(486.66) MW-1

(486.70) MW-10

486.5

DETAILING BAY

OFFICES/SALES FLOOR

BODY SHOP S

SS NOT OPERATIONAL

WASH BAY

DRAINAGE DITCH

MERCEDES DRIVE

(485.96) MW-11

(485.94) MW-3

486

B1

(485.81) MW-5

(486.01) MW-8

B2

BODY SHOP OFFICE

CONCRETE SURFACE DRAINAGE CHANNEL

WATER WELL HOUSE

485.5

SEPTIC TANK

ASPHALT APRON

MW-6 (485.31)

485.88) MW-9

MW-12 (485.33)

B5

B3

(485.42) MW-7

B4

MW-13 (485.52)

CKMW-1 (485.45)

CKMW-2 <486.04>

MW-14 (485.00)

LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW-1 - CK Monitor Well
- MW-1 - Monitor Well Installed by El Group
- (NR) - No Reading
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- 488.5 - GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- (488.84) - GROUNDWATER ELEVATION (IN FEET REFERENCED TO ASSUMED SITE BENCHMARK)
- <484.71> - DATA NOT USED IN DEVELOPMENT OF CONTOURS
- MW12 - GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- B1 - SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 40' 80'

APPROXIMATE SCALE: 1" = 40'

Exhibit 1K
Groundwater Gradient Map - May 2014
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2014-05

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.25. "FIGURE 2, NOVEMBER 2014 GROUNDWATER CONTOUR MAP" DATED JANUARY 26, 2015.

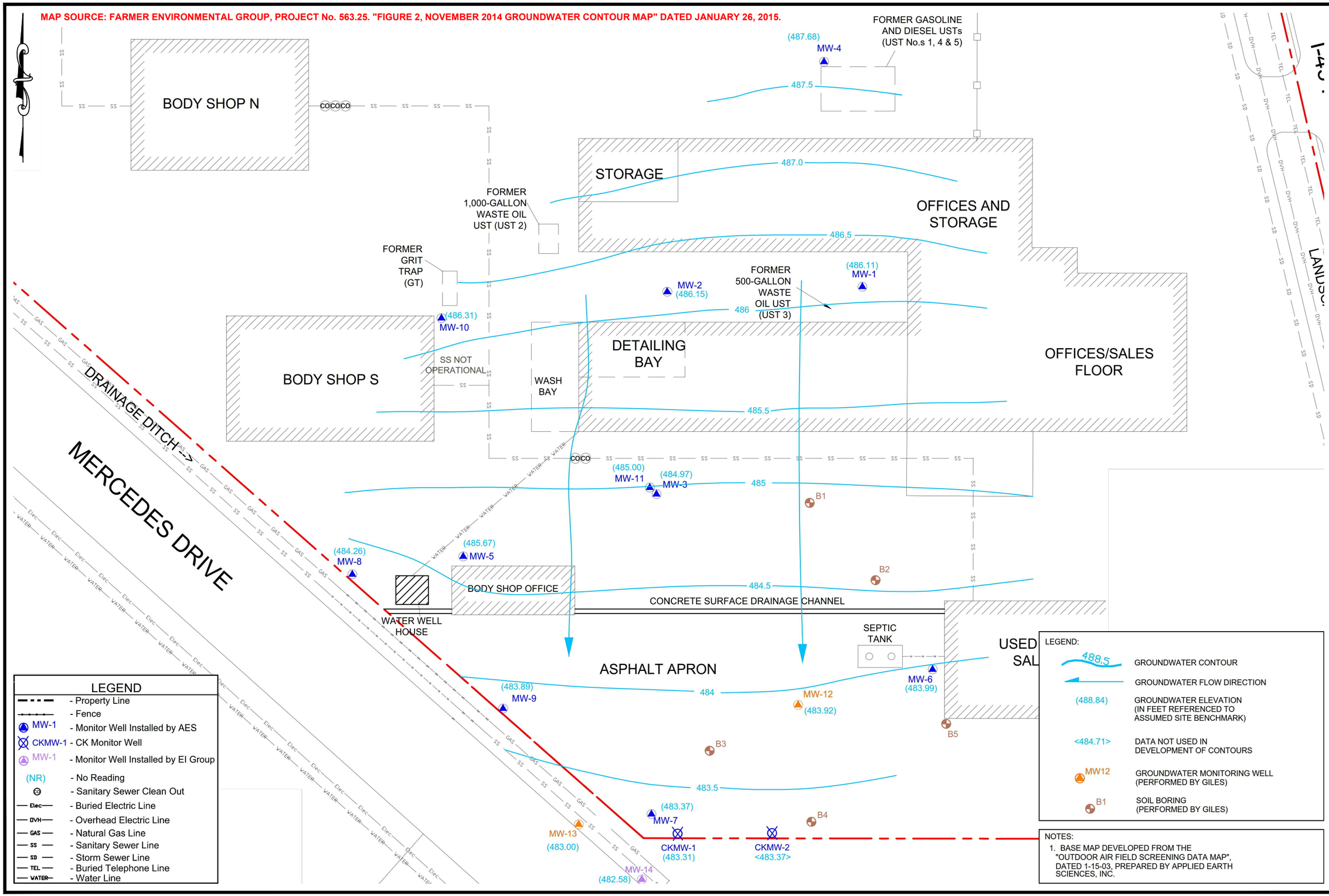


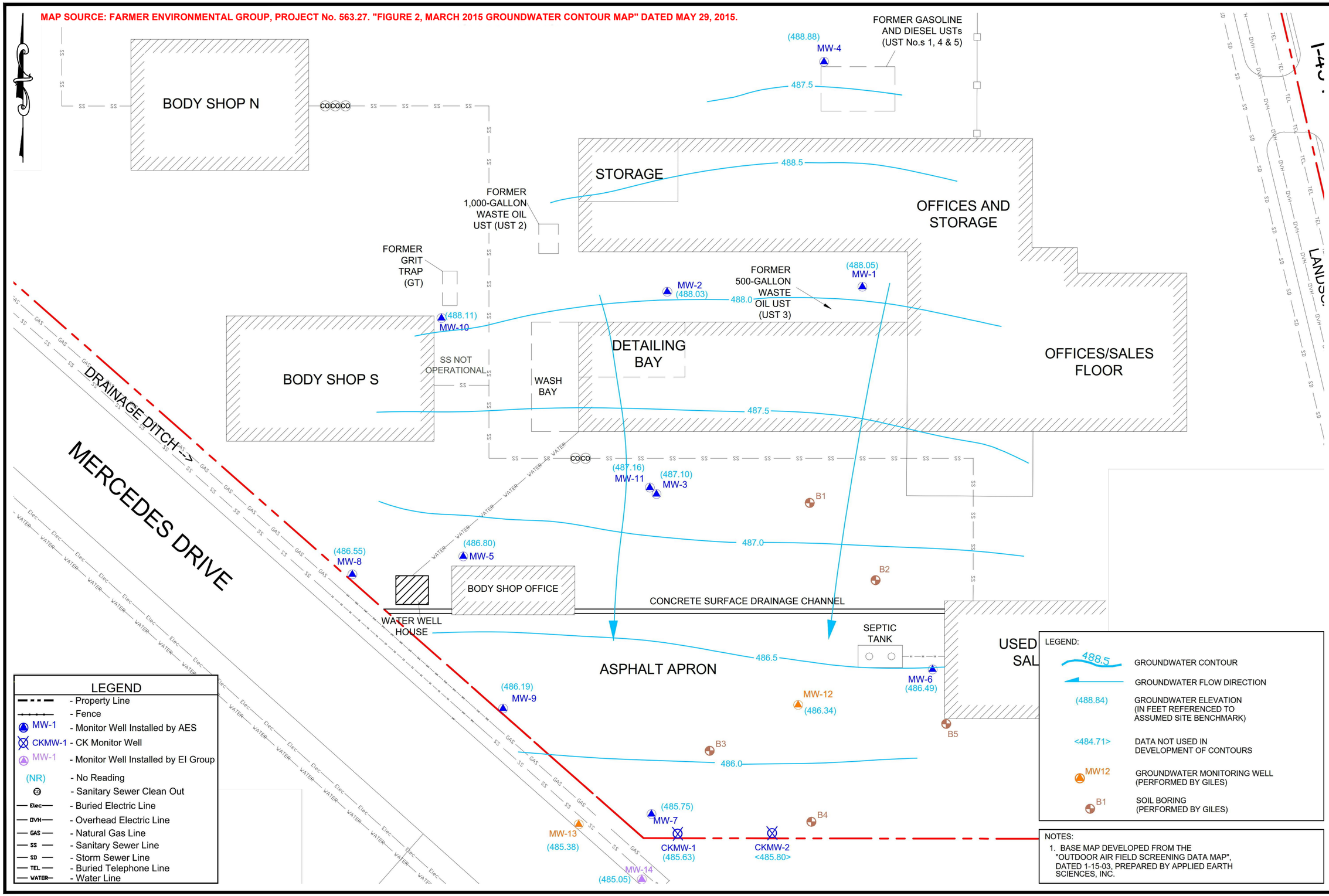
Exhibit 1L
Groundwater Gradient Map - November 2014
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists
TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2014-11

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.27. "FIGURE 2, MARCH 2015 GROUNDWATER CONTOUR MAP" DATED MAY 29, 2015.



LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW-1 - CK Monitor Well
- MW-1 - Monitor Well Installed by EI Group
- (NR) - No Reading
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- 488.5 - GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- (488.84) - GROUNDWATER ELEVATION (IN FEET REFERENCED TO ASSUMED SITE BENCHMARK)
- <484.71> - DATA NOT USED IN DEVELOPMENT OF CONTOURS
- MW12 - GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- B1 - SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 40' 80'

APPROXIMATE SCALE: 1" = 40'

Exhibit 1M
Groundwater Gradient Map - March 2015
MSD Application
13915 Interstate 45 North
Houston, Texas

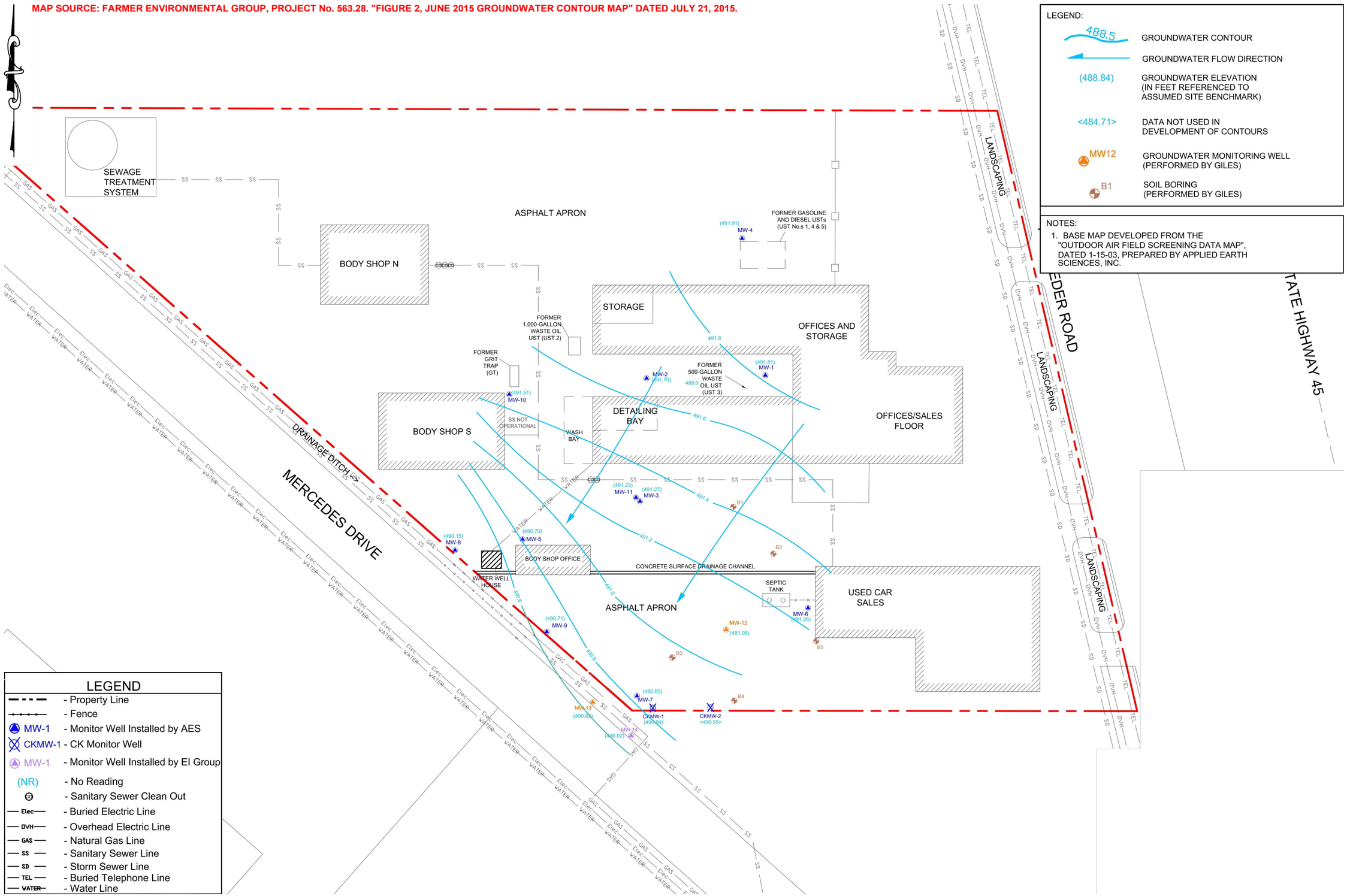
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2015-03

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.28. "FIGURE 2, JUNE 2015 GROUNDWATER CONTOUR MAP" DATED JULY 21, 2015.



LEGEND:

488.5	GROUNDWATER CONTOUR
	GROUNDWATER FLOW DIRECTION
(488.84)	GROUNDWATER ELEVATION (IN FEET REFERENCED TO ASSUMED SITE BENCHMARK)
<484.71>	DATA NOT USED IN DEVELOPMENT OF CONTOURS
MW12	GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
B1	SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

LEGEND

	- Property Line
	- Fence
MW-1	- Monitor Well Installed by AES
CKMW-1	- CK Monitor Well
MW-1	- Monitor Well Installed by EI Group
(NR)	- No Reading
	- Sanitary Sewer Clean Out
Elec	- Buried Electric Line
OVH	- Overhead Electric Line
GAS	- Natural Gas Line
SS	- Sanitary Sewer Line
SD	- Storm Sewer Line
TEL	- Buried Telephone Line
WATER	- Water Line

Exhibit 1N
Groundwater Gradient Map - June 2015
MSD Application
13915 Interstate 45 North
Houston, Texas

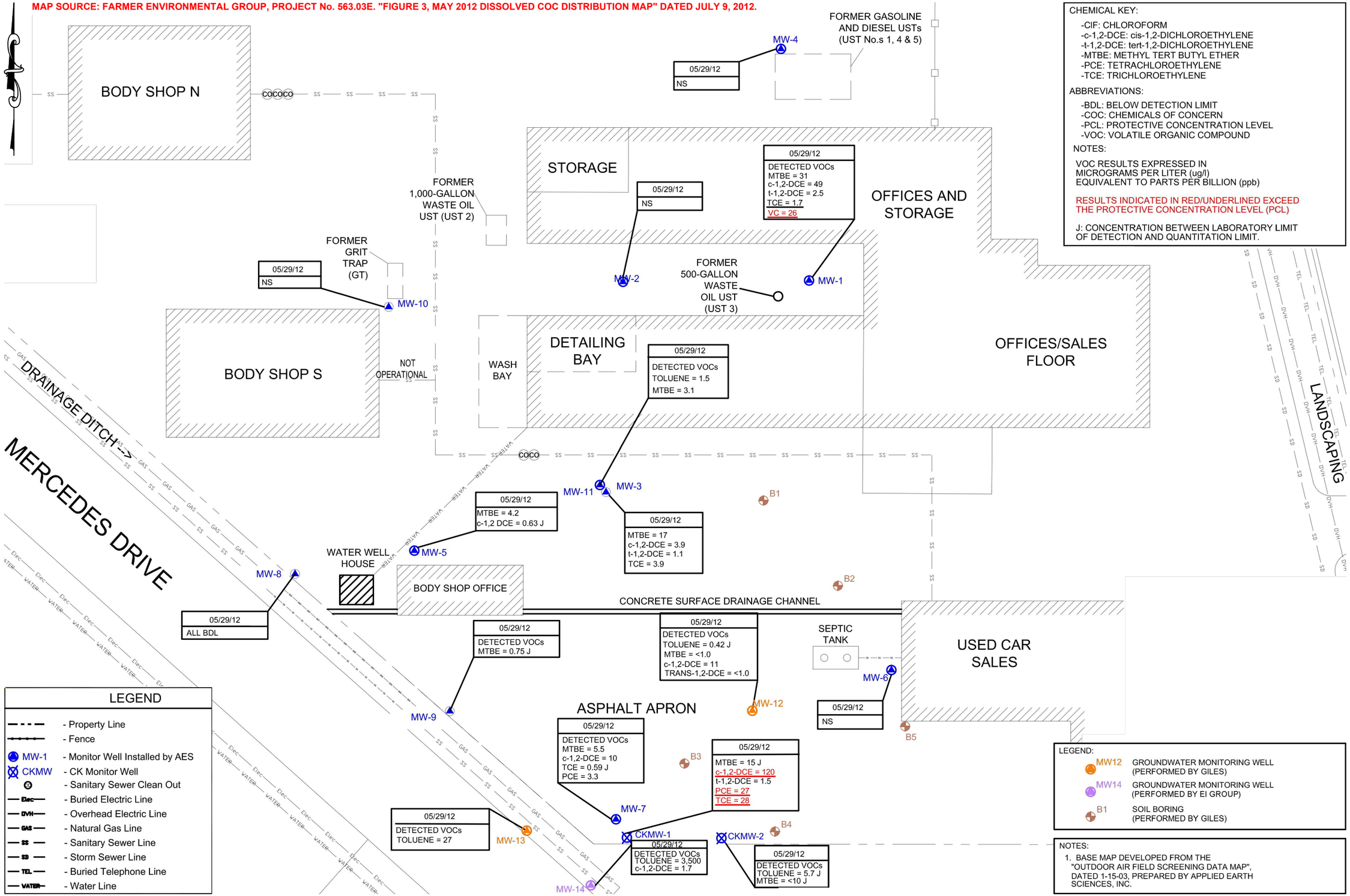
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists
TERRACON NO: 92157272

0 85' 170'
APPROXIMATE SCALE: 1" = 85'

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 GWGMs.dwg : 2015-06

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.03E. "FIGURE 3, MAY 2012 DISSOLVED COC DISTRIBUTION MAP" DATED JULY 9, 2012.



CHEMICAL KEY:

- -CIF: CHLOROFORM
- -c-1,2-DCE: cis-1,2-DICHLOROETHYLENE
- -t-1,2-DCE: tert-1,2-DICHLOROETHYLENE
- -MTBE: METHYL TERT BUTYL ETHER
- -PCE: TETRACHLOROETHYLENE
- -TCE: TRICHLOROETHYLENE

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

Exhibit 1O
Dissolved COC Distribution Map - May 2012
MSD Application
13915 Interstate 45 North
Houston, Texas

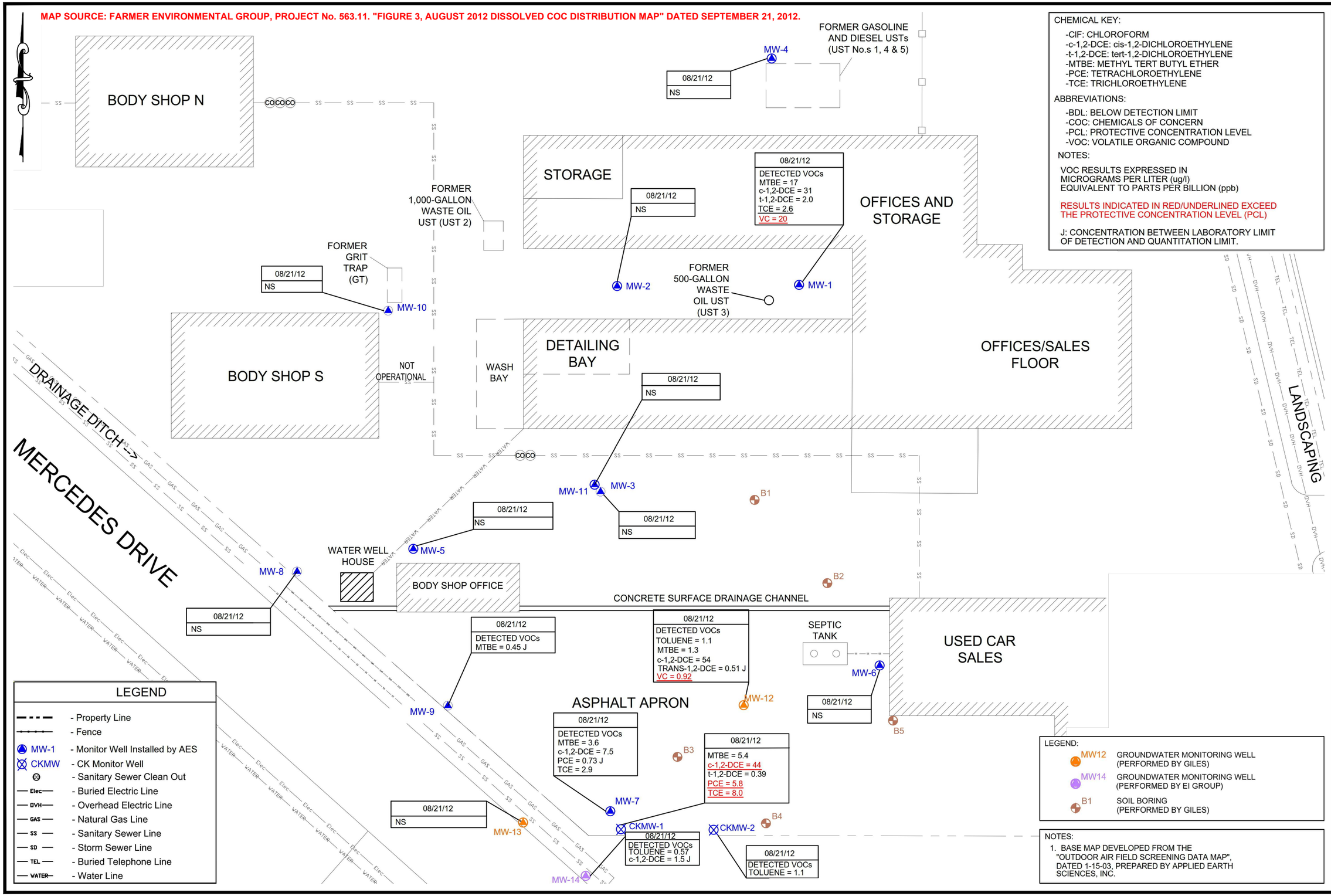
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2012-05

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.11. "FIGURE 3, AUGUST 2012 DISSOLVED COC DISTRIBUTION MAP" DATED SEPTEMBER 21, 2012.



CHEMICAL KEY:

- -CIF: CHLOROFORM
- -c-1,2-DCE: cis-1,2-DICHLOROETHYLENE
- -t-1,2-DCE: tert-1,2-DICHLOROETHYLENE
- -MTBE: METHYL TERT BUTYL ETHER
- -PCE: TETRACHLOROETHYLENE
- -TCE: TRICHLOROETHYLENE

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

Exhibit 1P
Dissolved COC Distribution Map - August 2012
MSD Application
13915 Interstate 45 North
Houston, Texas

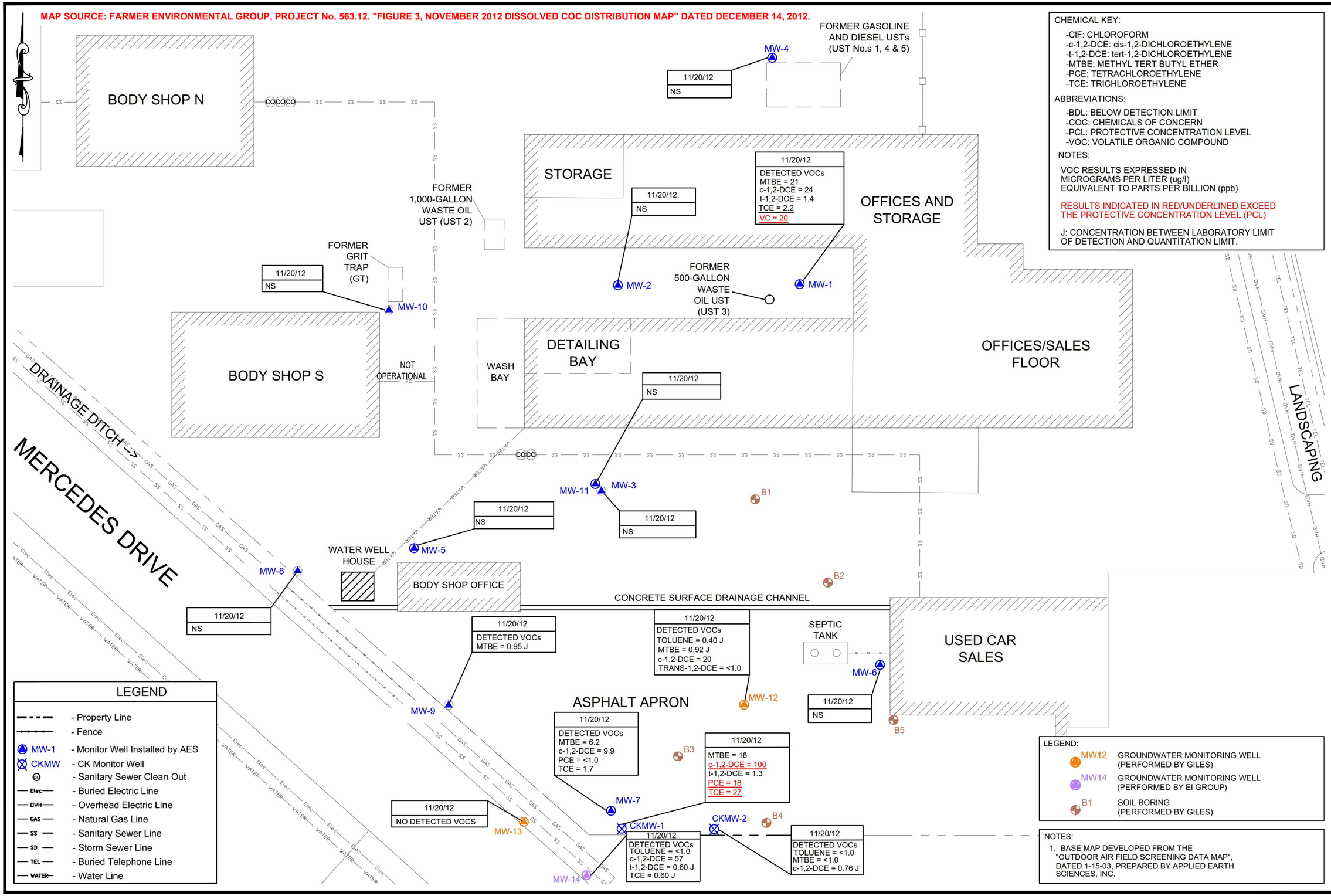
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2012-08

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.12. "FIGURE 3, NOVEMBER 2012 DISSOLVED COC DISTRIBUTION MAP" DATED DECEMBER 14, 2012.



CHEMICAL KEY:

- -CIF: CHLOROFORM
- -c-1,2-DCE: cis-1,2-DICHLOROETHYLENE
- -t-1,2-DCE: tert-1,2-DICHLOROETHYLENE
- -MTBE: METHYL TERT BUTYL ETHER
- -PCE: TETRACHLOROETHYLENE
- -TCE: TRICHLOROETHYLENE

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

Exhibit 1Q
Dissolved COC Distribution Map - November 2012
MSD Application
13915 Interstate 45 North
Houston, Texas

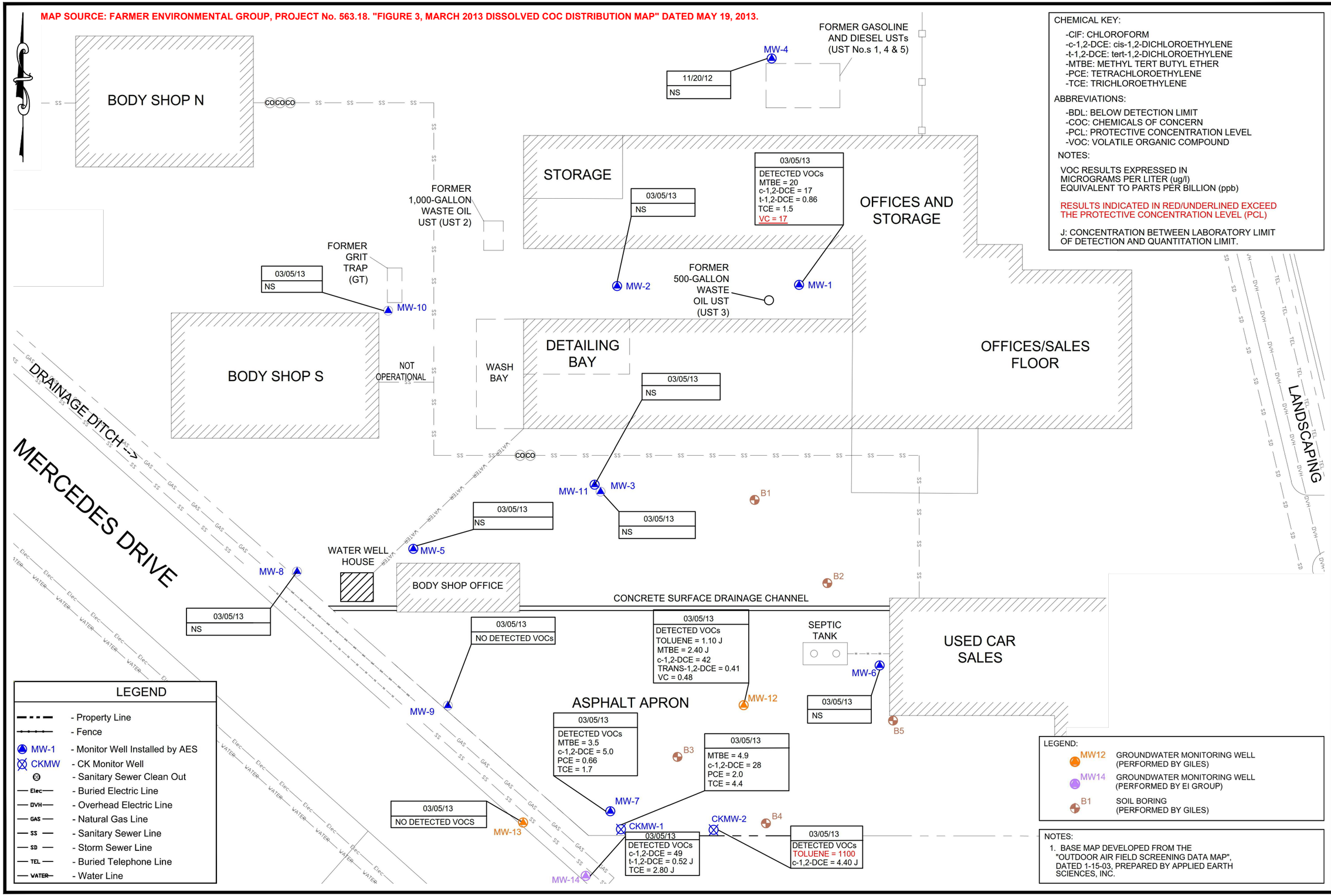
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2012-11

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.18. "FIGURE 3, MARCH 2013 DISSOLVED COC DISTRIBUTION MAP" DATED MAY 19, 2013.



CHEMICAL KEY:

- -CIF: CHLOROFORM
- -c-1,2-DCE: cis-1,2-DICHLOROETHYLENE
- -t-1,2-DCE: tert-1,2-DICHLOROETHYLENE
- -MTBE: METHYL TERT BUTYL ETHER
- -PCE: TETRACHLOROETHYLENE
- -TCE: TRICHLOROETHYLENE

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

Exhibit 1R
Dissolved COC Distribution Map - March 2013
MSD Application
13915 Interstate 45 North
Houston, Texas

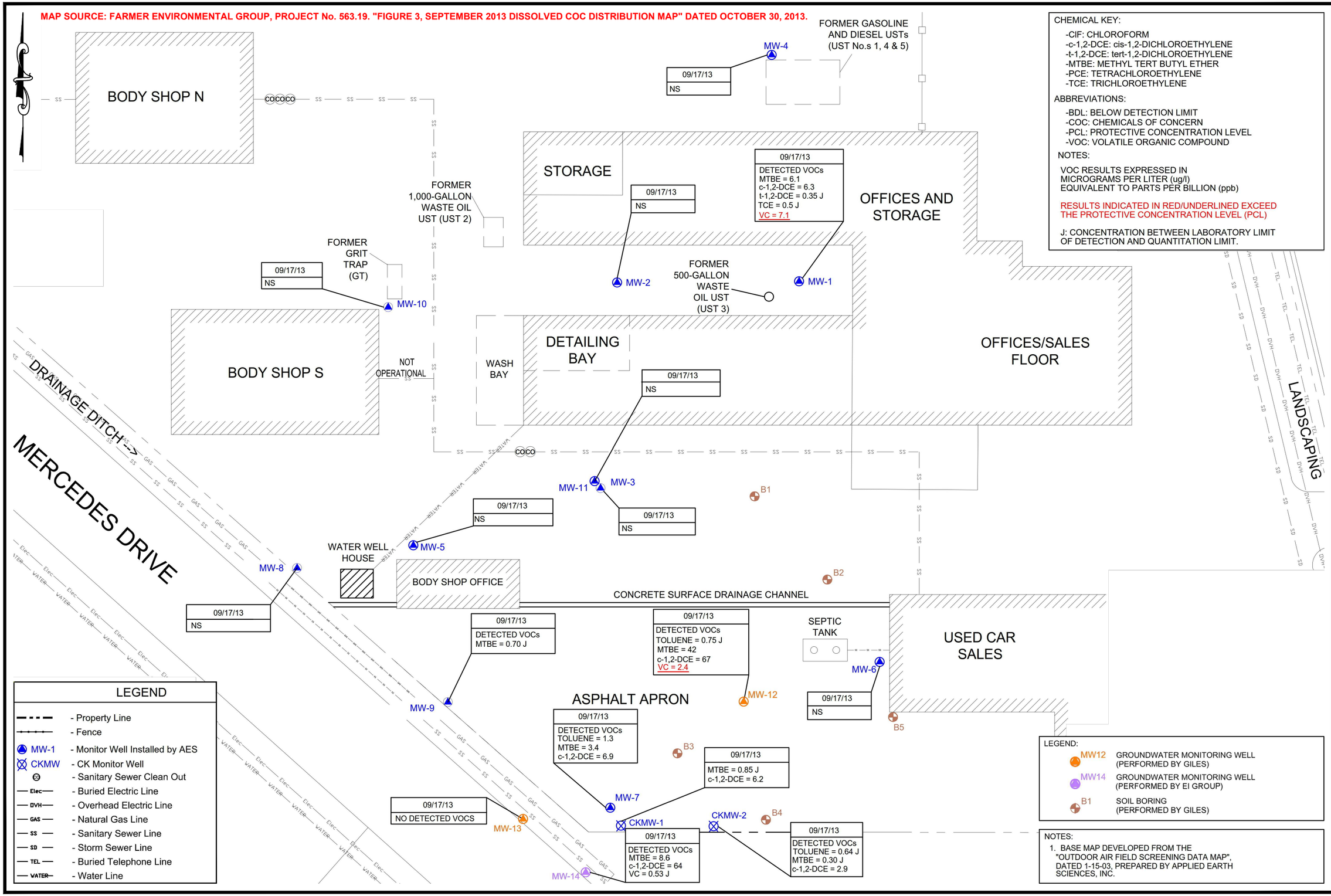
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2013-03

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.19. "FIGURE 3, SEPTEMBER 2013 DISSOLVED COC DISTRIBUTION MAP" DATED OCTOBER 30, 2013.



CHEMICAL KEY:

- -CIF: CHLOROFORM
- -c-1,2-DCE: cis-1,2-DICHLOROETHYLENE
- -t-1,2-DCE: tert-1,2-DICHLOROETHYLENE
- -MTBE: METHYL TERT BUTYL ETHER
- -PCE: TETRACHLOROETHYLENE
- -TCE: TRICHLOROETHYLENE

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

Exhibit 1S
Dissolved COC Distribution Map - September 2013
MSD Application
13915 Interstate 45 North
Houston, Texas

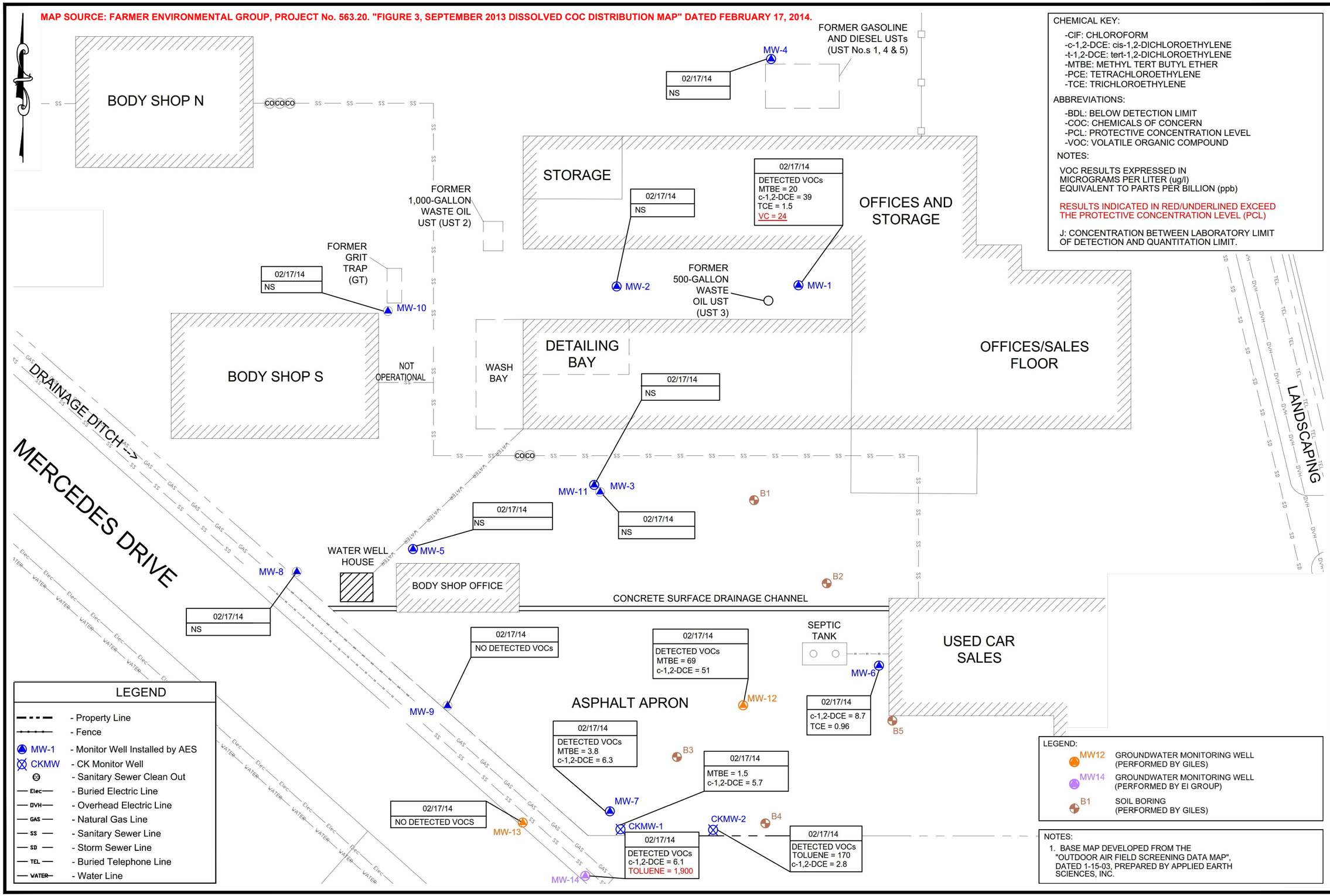
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2013-09

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.20. "FIGURE 3, SEPTEMBER 2013 DISSOLVED COC DISTRIBUTION MAP" DATED FEBRUARY 17, 2014.



CHEMICAL KEY:

- -CIF: CHLOROFORM
- -c-1,2-DCE: cis-1,2-DICHLOROETHYLENE
- -t-1,2-DCE: tert-1,2-DICHLOROETHYLENE
- -MTBE: METHYL TERT BUTYL ETHER
- -PCE: TETRACHLOROETHYLENE
- -TCE: TRICHLOROETHYLENE

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

Exhibit 1T
Dissolved COC Distribution Map - February 2014
MSD Application
13915 Interstate 45 North
Houston, Texas

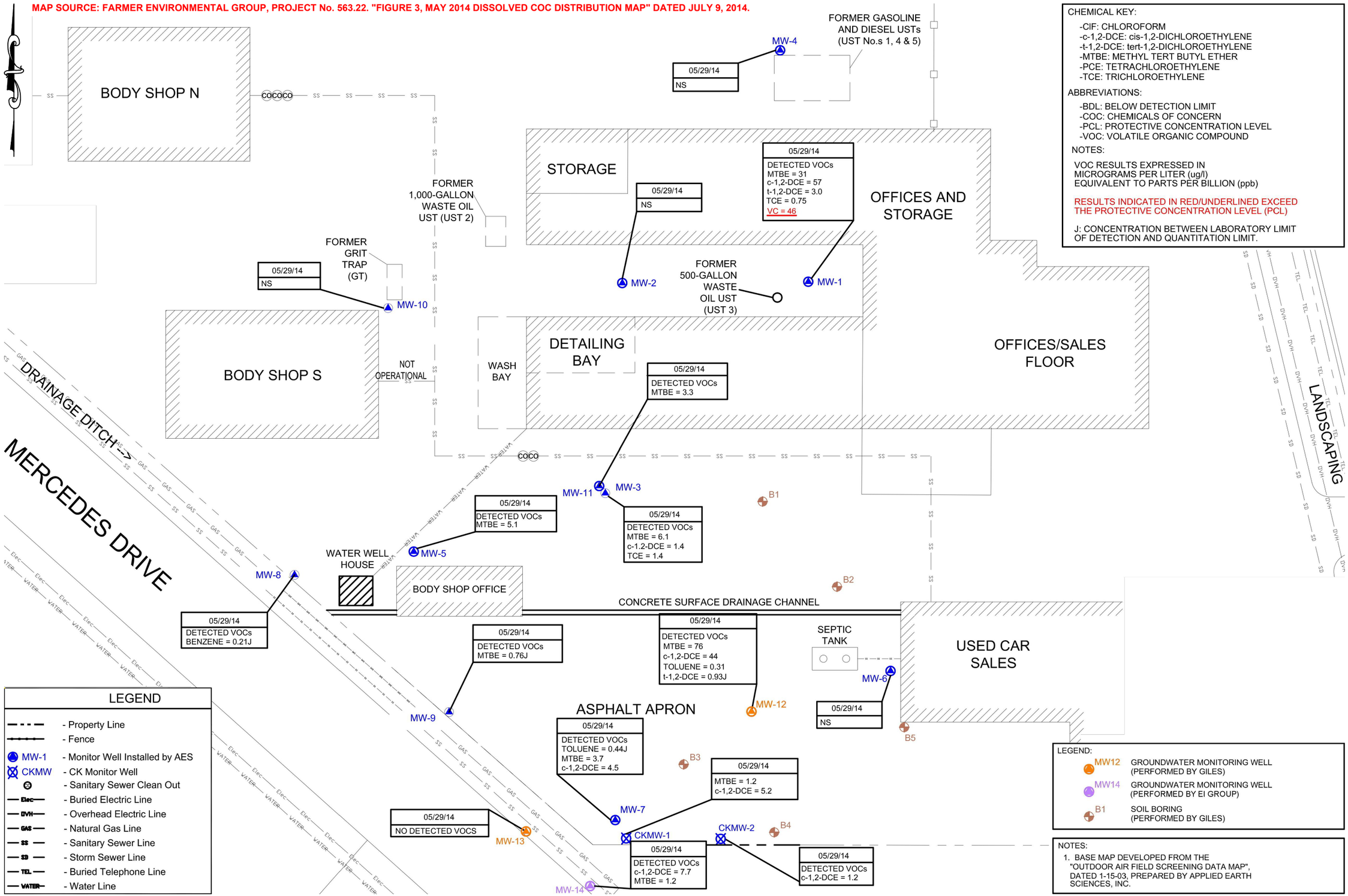
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2014-02

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.22. "FIGURE 3, MAY 2014 DISSOLVED COC DISTRIBUTION MAP" DATED JULY 9, 2014.



CHEMICAL KEY:

- -CIF: CHLOROFORM
- -c-1,2-DCE: cis-1,2-DICHLOROETHYLENE
- -t-1,2-DCE: tert-1,2-DICHLOROETHYLENE
- -MTBE: METHYL TERT BUTYL ETHER
- -PCE: TETRACHLOROETHYLENE
- -TCE: TRICHLOROETHYLENE

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

Exhibit 1U
Dissolved COC Distribution Map - May 2014
MSD Application
13915 Interstate 45 North
Houston, Texas

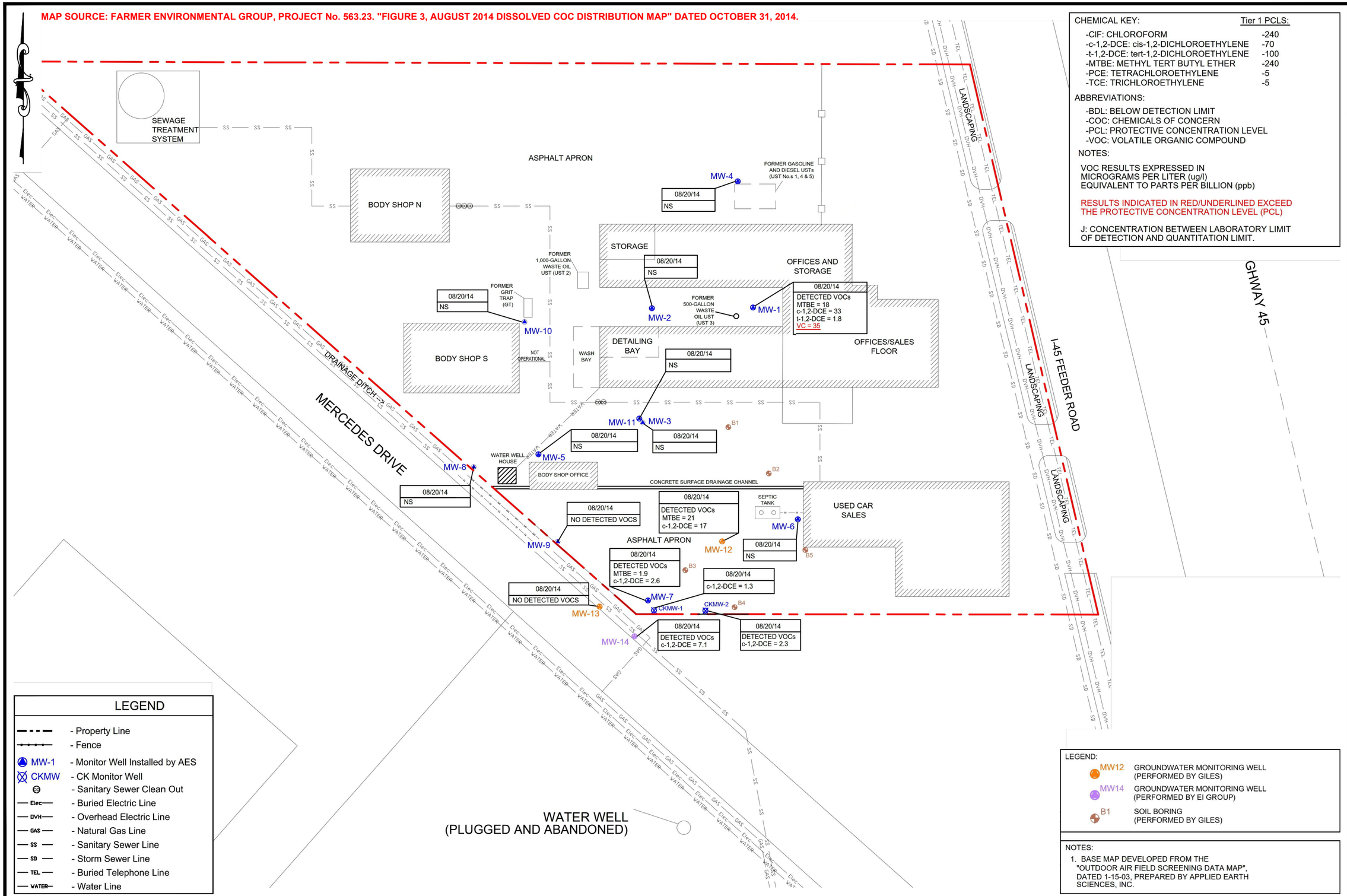
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2014-05

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.23. "FIGURE 3, AUGUST 2014 DISSOLVED COC DISTRIBUTION MAP" DATED OCTOBER 31, 2014.



CHEMICAL KEY:

	Tier 1 PCLS:
-CIF: CHLOROFORM	-240
-c-1,2-DCE: cis-1,2-DICHLOROETHYLENE	-70
-t-1,2-DCE: tert-1,2-DICHLOROETHYLENE	-100
-MTBE: METHYL TERT BUTYL ETHER	-240
-PCE: TETRACHLOROETHYLENE	-5
-TCE: TRICHLOROETHYLENE	-5

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW - CK Monitor Well
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- MW12 GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- MW14 GROUNDWATER MONITORING WELL (PERFORMED BY EI GROUP)
- B1 SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 85' 170'

APPROXIMATE SCALE: 1" = 85'

Exhibit 1V
Dissolved COC Distribution Map - August 2014
MSD Application
13915 Interstate 45 North
Houston, Texas

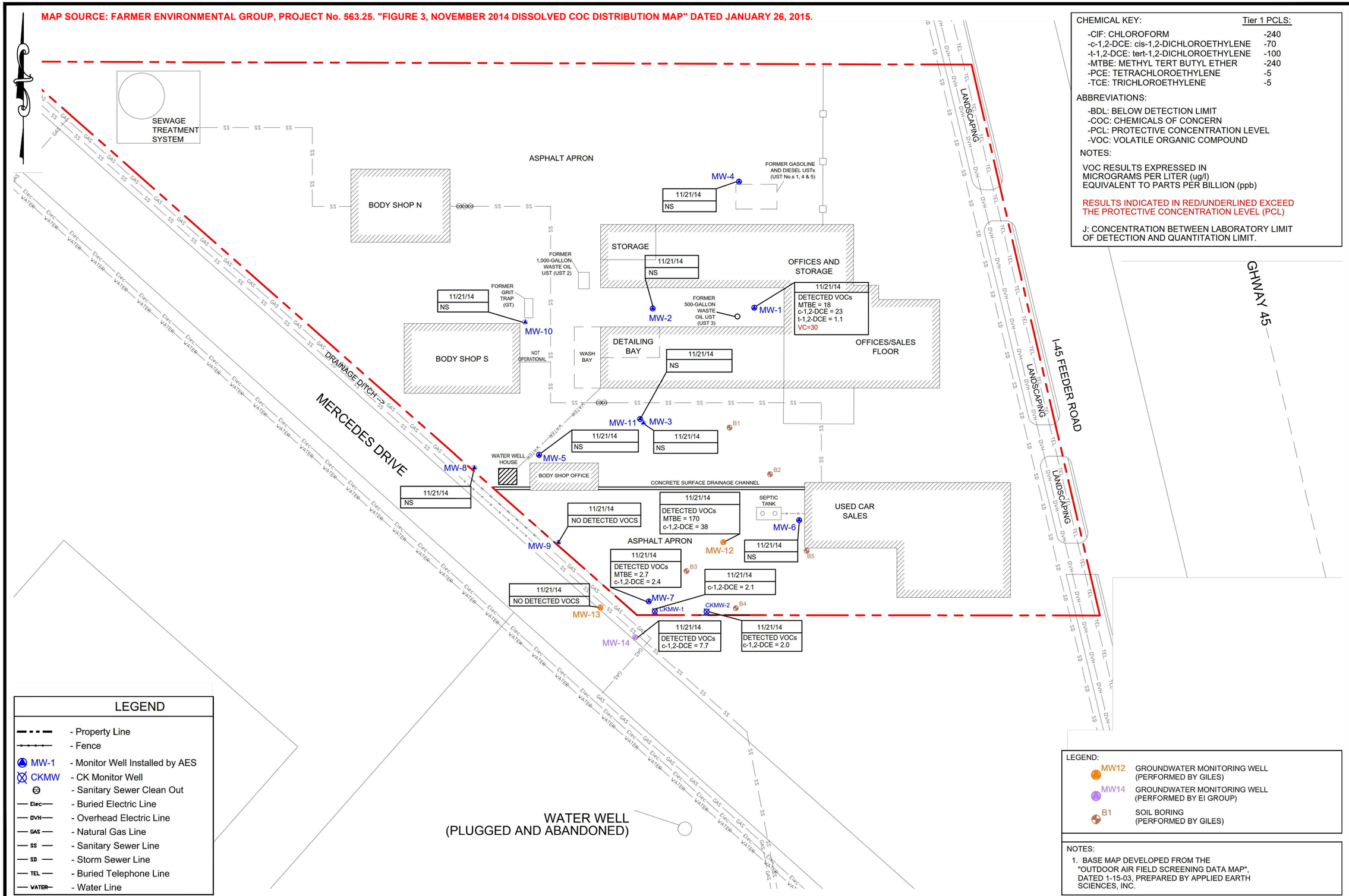
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2014-08

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.25. "FIGURE 3, NOVEMBER 2014 DISSOLVED COC DISTRIBUTION MAP" DATED JANUARY 26, 2015.



CHEMICAL KEY:	Tier 1 PCLS:
-CIF: CHLOROFORM	-240
-c-1,2-DCE: cis-1,2-DICHLOROETHYLENE	-70
-t-1,2-DCE: tert-1,2-DICHLOROETHYLENE	-100
-MTBE: METHYL TERT BUTYL ETHER	-240
-PCE: TETRACHLOROETHYLENE	-5
-TCE: TRICHLOROETHYLENE	-5

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW - CK Monitor Well
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- MW12 GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- MW14 GROUNDWATER MONITORING WELL (PERFORMED BY EI GROUP)
- B1 SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 85' 170'

APPROXIMATE SCALE: 1" = 85'

Exhibit 1W
Dissolved COC Distribution Map - November 2014
MSD Application
13915 Interstate 45 North
Houston, Texas

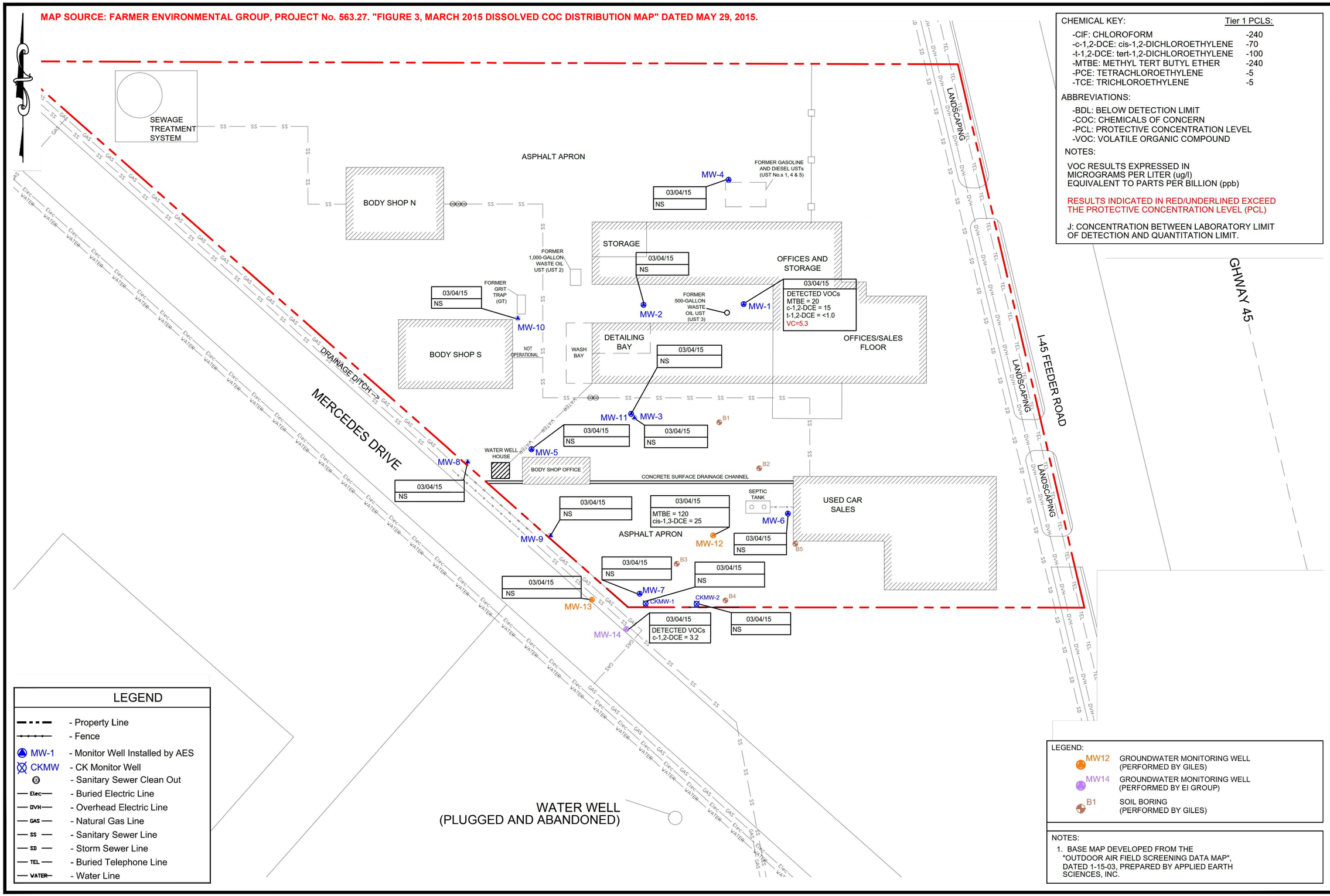
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2014-11

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.27. "FIGURE 3, MARCH 2015 DISSOLVED COC DISTRIBUTION MAP" DATED MAY 29, 2015.



CHEMICAL KEY:

	Tier 1 PCLS:
-CIF: CHLOROFORM	-240
-c-1,2-DCE: cis-1,2-DICHLOROETHYLENE	-70
-t-1,2-DCE: tert-1,2-DICHLOROETHYLENE	-100
-MTBE: METHYL TERT BUTYL ETHER	-240
-PCE: TETRACHLOROETHYLENE	-5
-TCE: TRICHLOROETHYLENE	-5

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW - CK Monitor Well
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- MW12 GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- MW14 GROUNDWATER MONITORING WELL (PERFORMED BY EI GROUP)
- B1 SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

0 85' 170'

APPROXIMATE SCALE: 1" = 85'

Exhibit 1X
Dissolved COC Distribution Map - March 2015
MSD Application
13915 Interstate 45 North
Houston, Texas

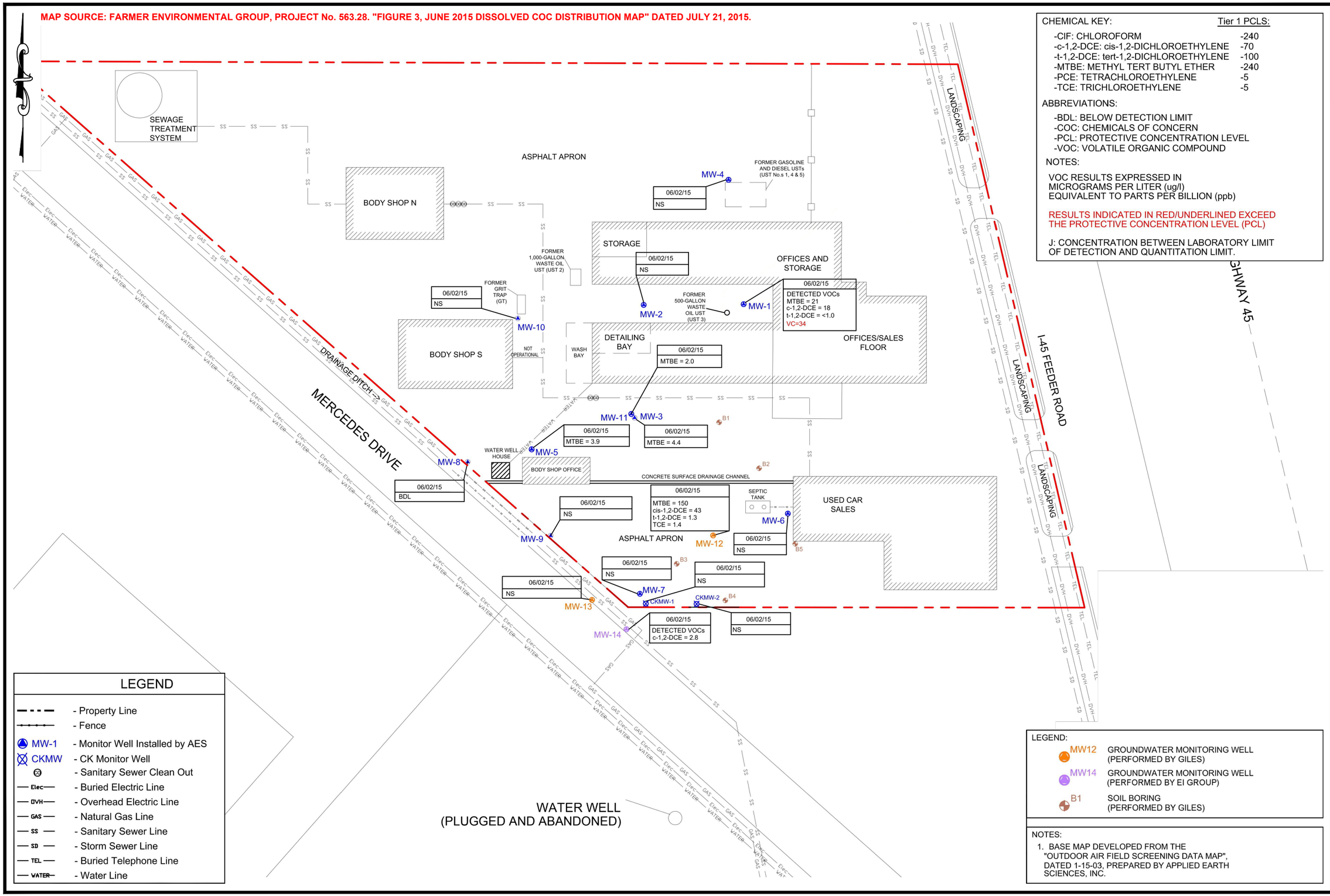
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2015-03

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.28. "FIGURE 3, JUNE 2015 DISSOLVED COC DISTRIBUTION MAP" DATED JULY 21, 2015.



CHEMICAL KEY:	Tier 1 PCLS:
-CIF: CHLOROFORM	-240
-c-1,2-DCE: cis-1,2-DICHLOROETHYLENE	-70
-t-1,2-DCE: tert-1,2-DICHLOROETHYLENE	-100
-MTBE: METHYL TERT BUTYL ETHER	-240
-PCE: TETRACHLOROETHYLENE	-5
-TCE: TRICHLOROETHYLENE	-5

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW - CK Monitor Well
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- MW12 GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- MW14 GROUNDWATER MONITORING WELL (PERFORMED BY EI GROUP)
- B1 SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

Exhibit 1Y
Dissolved COC Distribution Map - June 2015
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists
TERRACON NO: 92157272

0 85' 170'
APPROXIMATE SCALE: 1" = 85'

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : 2015-06

MAP SOURCE: APPLIED EARTH SCIENCES, INC., PROJECT No. 39400009-05. "FIGURE 6B, GROUNDWATER COC CONCENTRATION MAP" DATED JANUARY 15, 2003.

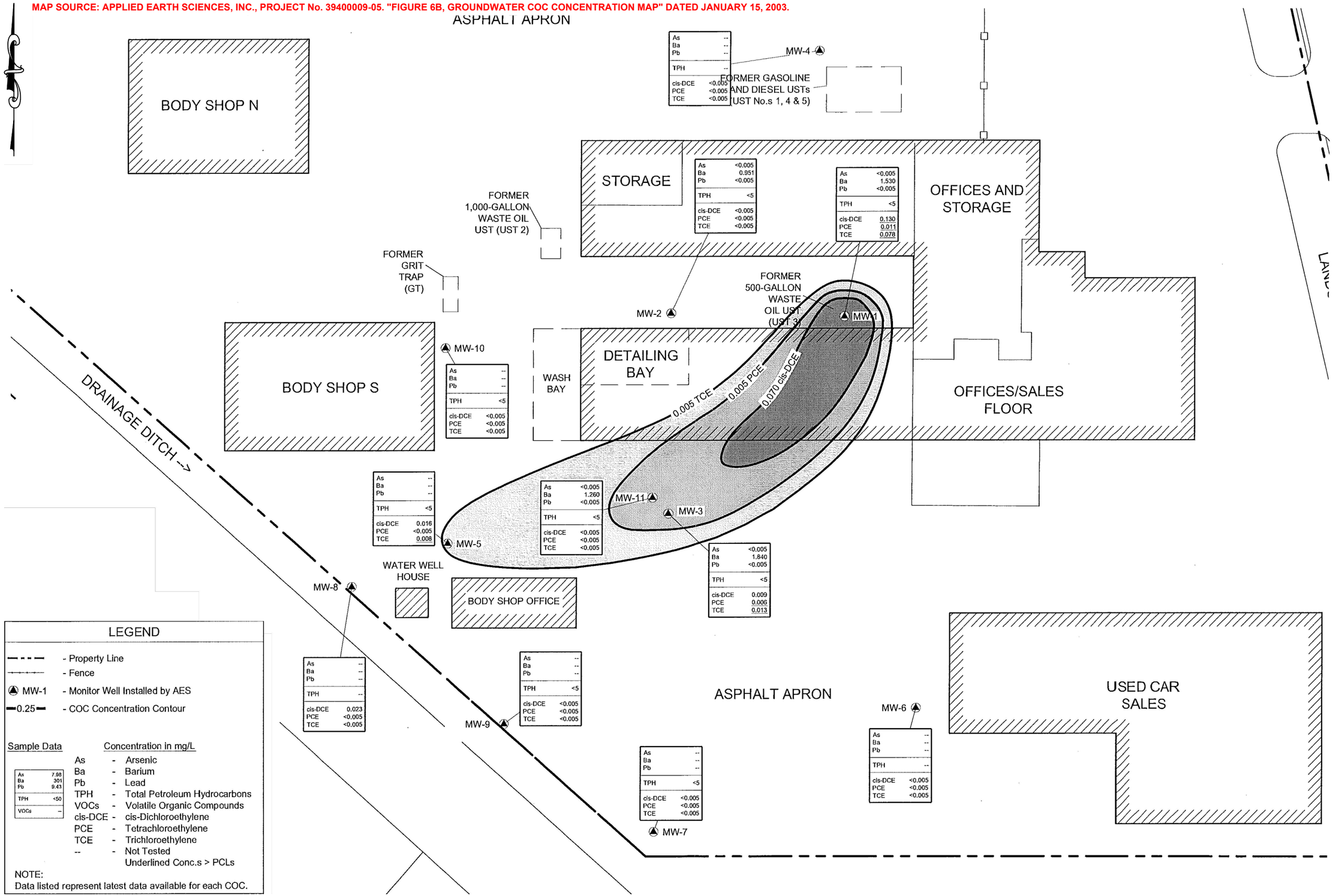


Exhibit 1Z
Groundwater PCLE Map - January 15, 2003
MSD Application
13915 Interstate 45 North
Houston, Texas

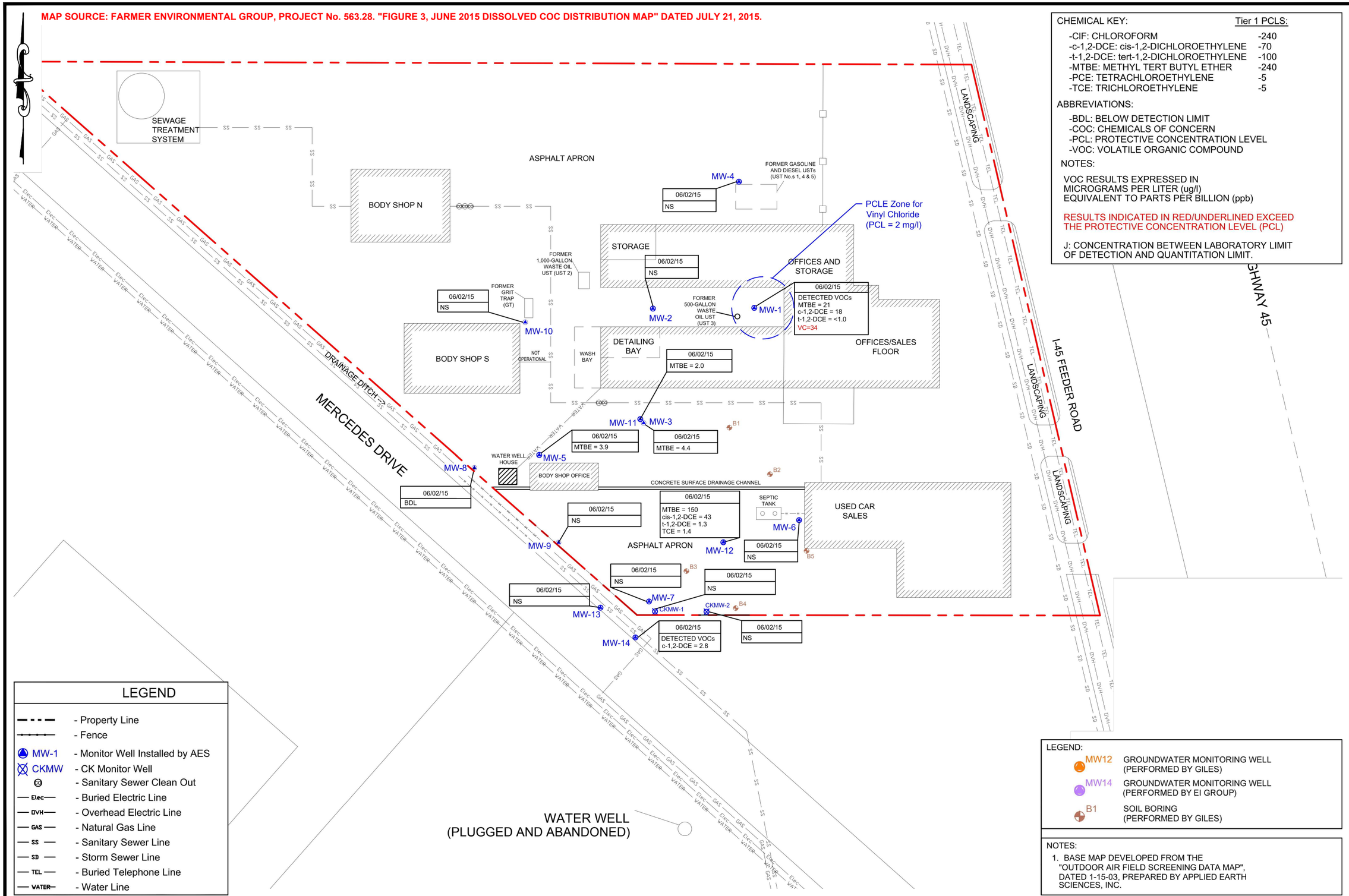
DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : GW PCLE 2003-01-15

MAP SOURCE: FARMER ENVIRONMENTAL GROUP, PROJECT No. 563.28. "FIGURE 3, JUNE 2015 DISSOLVED COC DISTRIBUTION MAP" DATED JULY 21, 2015.



CHEMICAL KEY:

	Tier 1 PCLS:
-CIF: CHLOROFORM	-240
-c-1,2-DCE: cis-1,2-DICHLOROETHYLENE	-70
-t-1,2-DCE: tert-1,2-DICHLOROETHYLENE	-100
-MTBE: METHYL TERT BUTYL ETHER	-240
-PCE: TETRACHLOROETHYLENE	-5
-TCE: TRICHLOROETHYLENE	-5

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -COC: CHEMICALS OF CONCERN
- -PCL: PROTECTIVE CONCENTRATION LEVEL
- -VOC: VOLATILE ORGANIC COMPOUND

NOTES:

VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE PROTECTIVE CONCENTRATION LEVEL (PCL)

J: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND

- Property Line
- Fence
- MW-1 - Monitor Well Installed by AES
- CKMW - CK Monitor Well
- Sanitary Sewer Clean Out
- Elec - Buried Electric Line
- OVH - Overhead Electric Line
- GAS - Natural Gas Line
- SS - Sanitary Sewer Line
- SD - Storm Sewer Line
- TEL - Buried Telephone Line
- WATER - Water Line

LEGEND:

- MW12 GROUNDWATER MONITORING WELL (PERFORMED BY GILES)
- MW14 GROUNDWATER MONITORING WELL (PERFORMED BY EI GROUP)
- B1 SOIL BORING (PERFORMED BY GILES)

NOTES:

1. BASE MAP DEVELOPED FROM THE "OUTDOOR AIR FIELD SCREENING DATA MAP", DATED 1-15-03, PREPARED BY APPLIED EARTH SCIENCES, INC.

Exhibit 1AA
Groundwater PCLE Map - June 2, 2015
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists
TERRACON NO: 92157272

0 85' 170'
APPROXIMATE SCALE: 1" = 85'

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Disolved COC Maps.dwg : GW PCLE 2015-06-02

APPENDIX D

APPENDIX D

4. Provide for each contaminant of concern within the designated groundwater:

a. A description of the ingestion protective concentration level exceedence zone and the non-ingestion protective concentration level exceedence zone, including a specification of the horizontal area and the minimum and maximum depth below ground surface.

b. The level of contamination, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units.

c. Its basic geochemical properties (e.g., whether the contaminant of concern migrates with groundwater, floats or is soluble in water).

(a) See Figure 1C in Appendix C and
Table 1 – Chemicals of Concern (COCs) Exceeding Ingestion Protective Concentration Levels (PCLs) in Groundwater in Appendix D.

(b) See Table 1 in Appendix D

(c) See Table 1 in Appendix D

Based on the environmental investigations completed at the designated property, nine COCs have been identified in the groundwater above the ingestion PCL. Table 1 in Appendix D lists the COCs exceeding the ingestion PCLs in groundwater in the first groundwater bearing unit (GWBU).

The concentrations of COCs identified in the groundwater in the designated property are all below the applicable non-ingestion PCLs (groundwater to air inhalation [$^{Air}GW_{Inh-V}$]).

a. A description of the ingestion protective concentration level exceedence zone and the non-ingestion protective concentration level exceedence zone, including a specification of the horizontal area and the minimum and maximum depth below ground surface.

Chlorinated hydrocarbon affected shallow groundwater beneath the designated property contains arsenic, barium, chromium, cis-1,2-dichloroethylene (cis-1,2-DCE), tetrachloroethylene (PCE), trichloroethylene (TCE), vinyl chloride, toluene, and methyl tert-butyl ether (MTBE) at varying concentrations; however, only vinyl chloride presently exceeds the Texas Risk Reduction Program (TRRP) Tier 1 groundwater ingestion exposure pathway ($^{GW}GW_{Ing}$) PCL. No PCLs are exceeded in soil. The horizontal extent of affected groundwater is confined to a 1,981 square foot area in the central portion of the Site near monitor well MW-1. The most recent analytical data and protective concentration level exceedence (PCLE) zone are presented on Exhibit 1C in Appendix C. The depth to groundwater from sampling events conducted in 2014 through 2015 ranged from 1.0 to 11 feet below ground surface (bgs).

b. The level of contamination, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units.

A table listing the maximum concentrations for each COC is provided in Appendix E.

c. Its basic geochemical properties (e.g., whether the contaminant of concern migrates with groundwater, floats or is soluble in water.)

A description of each COC in the groundwater defined by a PCLE zone, along with its basic geochemical properties, is presented in Appendix D. There are no COCs identified in soil or groundwater at the designated property that exceed the non-ingestion PCLs for the soil to air ($^{Air}Soil_{Inh-V}$) and $^{Air}GW_{Inh-V}$ exposure pathways.

APPENDIX D

TABLE 1: COCs EXCEEDING INGESTION PCLS IN GROUNDWATER

13915 Interstate 45 North

Houston, Harris County, Texas

VCP No. 1533

(all concentrations are in milligrams per liter unless otherwise noted)

COC: Arsenic		
Maximum Concentration Detected (historical, detected 2/21/01)		0.02
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		0.01
Current Ingestion-Based PCLE Zone: No PCLE zone currently exists for arsenic	Length (ft):	NA
	Width (ft):	NA
	Maximum depth (ft):	NA
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		NE
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties		
Atomic Weight:	74.92 g/mol	
Specific Gravity:	5.6	
Solubility in Water:	0.00%	

COC: Barium		
Maximum Concentration Detected (historical, detected 6/9/00)		5.31
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		2.0
Current Ingestion-Based PCLE Zone: No PCLE zone currently exists for barium	Length (ft):	NA
	Width (ft):	NA
	Maximum depth (ft):	NA
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		NE
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties		
Molecular Weight:	137.33 g/mol	
Specific Gravity:	3.62	
Solubility in Water:	0.00%	

COC: Chromium		
Maximum Concentration Detected (historical, detected 6/9/00)		0.246
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		0.1
Current Ingestion-Based PCLE Zone: No PCLE zone currently exists for chromium	Length (ft):	NA
	Width (ft):	NA
	Maximum depth (ft):	NA
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		NE
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties		
Molecular Weight:	52.00 g/mol	
Specific Gravity:	7.19	
Solubility in Water:	0.00%	

COC: Lead		
Maximum Concentration Detected (historical, detected 2/21/01)		0.039
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		0.015
Current Ingestion-Based PCLE Zone: No PCLE zone currently exists for lead	Length (ft):	NA
	Width (ft):	NA
	Maximum depth (ft):	NA
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		NE
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties		
Molecular Weight:	207.27 g/mol	
Specific Gravity:	11.35	
Solubility in Water:	0.00%	

COC: Toluene		
Maximum Concentration Detected (historical, detected 11/21/11)		13
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		1.0
Current Ingestion-Based PCLE Zone: No PCLE zone currently exists for toluene	Length (ft):	NA
	Width (ft):	NA
	Maximum depth (ft):	NA
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		64,000
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties		
Molecular Weight:	92.14 g/mol	
Specific Gravity:	0.865	
Solubility in Water:	0.05%	

COC: cis-1,2-Dichloroethene		
Maximum Concentration Detected (historical, detected 11/21/11)		0.180
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		0.07
Ingestion-Based PCLE Zone: No PCLE zone currently exists for cis-1,2-Dichloroethene	Length (ft):	NA
	Width (ft):	NA
	Maximum depth (ft):	NA
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		1,200
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties		
Molecular Weight:	97 g/mol	
Specific Gravity:	1.27	
Solubility in Water:	0.4%	

COC: Tetrachloroethene		
Maximum Concentration Detected (historical, detected 10/29/10)		0.110
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		0.005
Ingestion-Based PCLE Zone: No	Length (ft):	NA
PCLE zone currently exists for	Width (ft):	NA
tetrachloroethene	Maximum depth (ft):	NA
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		500
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties	p	
Molecular Weight:	165.83 g/mol	
Specific Gravity:	1.6227	
Solubility in Water:	0.02%	

COC: Trichlororethene		
Maximum Concentration Detected (historical, detected 4/13/10)		0.120
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		0.005
Ingestion-Based PCLE Zone: No	Length (ft):	NA
PCLE zone currently exists for	Width (ft):	NA
trichloroethene	Maximum depth (ft):	NA
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		24
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties		
Molecular Weight:	131.39g/mol	
Specific Gravity:	1.4649	
Solubility in Water:	0.1%	

COC: Vinyl chloride		
Maximum Concentration Detected (detected 05/29/14)		0.046
Ingestion-Based PCL (Residential $^{GW}GW_{Ing}$)		0.002
Ingestion-Based PCLE Zone	Length (ft):	44.5
	Width (ft):	44.5
	Maximum depth (ft):	20
Non-Ingestion-Based PCL ($^{Air}GW_{Inh-V}$)		3.8
Non-Ingestion-Based PCLE Zone		None
Geochemical/Physical Properties		
Molecular Weight:	62.5 g/mol	
Specific Gravity:	0.9106 g/cm3	
Solubility in Water:	0.25%	

APPENDIX E

APPENDIX E

A table displaying the following information for each contaminant of concern, to the extent known:

a. The maximum concentration for soil and groundwater, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/Kg for soils and mg/L for groundwater.

b. The critical protective concentration level without the municipal setting designation, highlighting any exceedences.

Table 1 and 2 (Appendix E) show the maximum concentrations of COCs in groundwater and soil, respectively. The tables also indicate the critical PCLs without the MSD and the exceedences. Non-ingestion pathways ($^{Air}Soil_{Inh\text{-}V}$ for soil and $^{Air}GW_{Inh\text{-}V}$ for groundwater) are below their respective PCLs for soil and groundwater.

APPENDIX E

TABLE 1: MAXIMUM SOIL CONCENTRATIONS

13915 Interstate 45 North

Houston, Harris County, Texas

VCP No. 1533

(all concentrations are in milligrams per kilogram)

Contaminants of Concern (COCs)	Residential Use (0.5-acre source area)			Sample ID	Sample Depth (ft)	Sample Date	Maximum COC Concentrations (mg/Kg)
	Ingestion-Based PCLs	Non GW Ingestion-Based PCLs					
	${}^{GW}Soil_{Ing}$ (without MSD)	${}^{Tot}Soil_{Comb}$ (with MSD)	${}^{Air}Soil_{Inh-V}$ (with MSD)				
Barium	440	8,100	NE	MW-2	10-15	02/24/01	**1,520**
Lead	3.0	500	NE	MW-2	10-15	02/24/01	**44**
TPH (C_{12} - C_{28})	200	2,300	15,000	UHL / B-4	2-6	06/06/00	**15,000**

Notes:

BSDL - below laboratory detection limit

1. Shaded concentrations represent the critical protective concentration levels without the MSD
2. Shaded and **bolded** concentrations represent the *exceedence* of critical protective concentration levels without the MSD

NE = Not Established

APPENDIX E

TABLE 2: MAXIMUM GROUNDWATER CONCENTRATIONS

13915 Interstate 45 North

Houston, Harris County, Texas

VCP No. 1533

(all concentrations are in milligrams per liter)

Contaminants of Concern (COCs)	Ingestion-Based PCL	Non-Ingestion-Based PCL	Sample ID	Sample Date	Maxium COC Concentrations (mg/l)
	$^{GW}Soil_{Ing}$ (without MSD)	$^{Air}GW_{Inh-V}$ (with MSD)			
Arsenic	0.01	NE	MW-2	02/21/01	**0.02**
Barium	2.0	NE	UST 3 / B-1	06/09/00	**5.31**
Chromium	0.1	NE	UST 3 / B-1	06/09/00	**0.246**
Lead	0.015	NE	MW-2	02/21/01	**0.039**
Toluene	1.0	64,000	MW-14	11/21/11	**13**
cis-1,2-Dichloroethene	0.07	1,200	CKMW-1	11/21/11	**0.180**
Tetrachloroethene	0.005	500	CKMW-1	10/29/10	**0.110**
Trichloroethene	0.005	24	MW-12	04/13/10	**0.120**
Vinyl chloride	0.002	3.8	MW-1	05/29/14	**0.046**

Notes:

1. Shaded concentrations represent the critical protective concentration levels without the MSD
2. Shaded and **bolded** concentrations represent the *exceedence* of critical protective concentration levels without the MSD

NE = Not Established

APPENDIX F

APPENDIX F

If the plume extends beyond the limits of the property owners listed in this application, list the owners of the additional property beneath which the plume(s) extend(s), and a summary of interactions with those property owners about the plume(s) and this MSD application. Please Note: You are not required under this item to notify affected property owners, only to provide a summary of who affected property owners are, and if there have been any communications. "No contact" can be an acceptable answer.

The affected groundwater plume does not extend off-site, has been fully delineated and is confined to an approximate 1,981 square foot area in the central portion of the Site near monitor well MW-1 (based on the PCLE zone depicted on Exhibit 1C). Therefore, no off-site property owners have been notified.

N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Site Plan.dwg : Notification Map-Aerial

0 150' 300'

APPROXIMATE SCALE: 1" = 150'

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Figure 13A
Notification Map
MSD Application
13915 Interstate 45 North
Houston, Texas

APPENDIX G

APPENDIX G

*A statement as to whether the source of the plume has been removed, the plume of contamination is stable (i.e. no change), or contracting, and the plume is delineated, **with the basis for that statement**. Please include historical sampling data.*

Previous investigations performed at the Site from the 1990s through 2002 evaluated various potential on-site source areas, including five underground storage tanks (USTs) that were removed in 1990 (consisting of a 10,000-gallon diesel tank, a 5,000-gallon gasoline tank, a 1,000-gallon used oil tank, a 500-gallon used oil tank, and a 2,000-gallon tank of unknown contents); a grit trap; 24 underground hydraulic lifts (UHLs); and a former septic system and leach field. These investigations included the advancement of 35 soil borings to depths of 7 to 26 feet bgs to assess potential releases from the immediate vicinity of the suspected source areas as well as in areas surrounding and down-gradient from suspected source areas in a grid pattern across the Site. Analytical data indicated concentrations of total petroleum hydrocarbons (TPH), arsenic and volatile organic compounds (VOCs) in soils above Texas Commission on Environmental Quality's (TCEQ) Petroleum Storage Tank (PST) Program Action Levels or TRRP Tier 1 $^{GW}Soil_{Ing}$ PCLs.

With the excavation of chlorinated hydrocarbon and petroleum affected soils during removal of the waste oil UST, grit trap and UHLs, and calculation of Tier 2 PCLs for arsenic based upon synthetic precipitation leaching procedure (SPLP) analyses, no soil issues remain at the Site. An Affected Property Assessment Report (APAR) was submitted by Applied Earth Sciences, Inc. (AES) in March 2003 that documented the environmental investigations completed at the Site, which included the installation of 11 groundwater monitor wells to assess the horizontal and vertical extent of the on-site affected groundwater plume.

Given that no receptors were threatened, AES prepared a Response Action Plan (RAP) in December 2003 outlining a Remedy Standard A closure to Tier 1 and 2 PCLs by demonstrating monitored natural attenuation (MNA) in accordance with TRRP guidance document RG-366-TRRP-33. The RAP was approved by the TCEQ VCP in February 2004, and subsequently implemented by Delta Environmental Consultants, Inc. (Delta; formerly Applied Earth Sciences, Inc.).

Groundwater monitoring has been conducted at the Site since 2001, and there are presently 16 groundwater monitor wells located throughout the designated property (MW-1 through MW-14, CKMW-1 and CKMW-2). Over this time, shallow groundwater beneath the Site has contained arsenic, barium, chromium, cis-1,2-DCE, PCE, TCE, vinyl chloride, toluene, and MTBE at varying concentrations; however, since May 2014, only vinyl chloride has exceeded the TRRP Tier 1 $^{GW}GW_{Ing}$ PCL. A brief history of groundwater monitoring and remediation conducted at the Site since approval of the RAP in 2004 is provided below:

- A 2004 Annual Groundwater Monitoring Report prepared by Delta was submitted to the TCEQ VCP in April 2005. Results of four quarters of groundwater monitoring conducted

between April 2004 and January 2005 reportedly demonstrated that the groundwater plume was stable with natural attenuation of the chlorinated hydrocarbons.

- March 2006 - Delta conducted a groundwater sampling event which yielded similar analytical results compared to previous groundwater monitoring events with the exception of groundwater from down-gradient monitor well MW-7 located near the southern Site boundary. Concentrations of chlorinated hydrocarbons in MW-7 increased by an order of magnitude compared to the previously sampled events. Monitor well MW-7 was resampled in April 2006 by Giles Engineering Associates, Inc. (Giles) which confirmed the elevated concentrations of chlorinated hydrocarbons within the well. Giles installed two additional monitoring wells (MW-12 and MW-13) up-gradient and down-gradient of MW-7, respectively, in August 2006. In November 2006, Giles submitted a Response Action Effectiveness Report (RAER) to the TCEQ which documented the August 2006 groundwater monitoring activities. The RAER indicated that down-gradient monitor well MW-13 re-established the down-gradient extent of the chlorinated hydrocarbon plume. The RAER further reported that the current Response Action (i.e. monitored natural attenuation) would not be sufficient to prevent potential off-site migration and recommended an action remediation plan that included the injection of Hydrogen Release Compound (HRC) within the chlorinated hydrocarbon plume.

- June 2007 - Giles conducted a groundwater sampling event which yielded analytical results generally consistent with previous groundwater monitoring data. Additionally a liquid sample was obtained from the former septic system tank near MW-12 and MW-6 and submitted for laboratory analysis of VOC. The analysis of the sample did not reveal concentration of any analytes above method detection limits. The groundwater monitoring report documenting these events was submitted to the TCEQ in July 2007. Giles requested that the sampling frequency for MW-3, MW-5 and MW-8 be reduced to twice per year, that sampling of MW-2, MW-4, MW-6 and MW-10 cease and that these wells be plugged and abandoned. In October 2007, the TCEQ agreed with the requests.

- August 2007 - Giles received a Class V Injection Permit from the Underground Injection Control Division (UIC) and subsequently provided remedial injection oversight during the injection of HRC in the source area (MW-1) and down-gradient of the source between August 28 and August 31, 2007.

- October 2007 - Houston Auto M Imports North retained The EI Group, Inc. (EI) to continue monitoring and remediation of the Site.

- Quarterly groundwater monitoring completed at the Site between January 2008 and August 2010 indicated that the injection of HRC had a limited effect on chlorinated hydrocarbon concentrations in the plume, with some wells exhibiting stabilized chlorinated hydrocarbon concentrations above PCLs while others exhibited an unforeseen increase in chlorinated hydrocarbon concentrations. In addition, analytical

results from two monitor wells installed by C-K Associates along the southern Site boundary (CKMW-1 and CKMW-2) indicated the presence of chlorinated hydrocarbons above PCLs near the down-gradient edge of the groundwater plume.

- Due to the limited effectiveness of the August 2007 HRC injection, a revised remediation plan was prepared and approved by the TCEQ in March 2010 which included the addition of cheese whey as an injectate to remediate groundwater affected by chlorinated hydrocarbons. A Class V Injection Permit from the UIC was issued on June 23, 2010. Following TCEQ approval, additional remediation activities were initiated that included the injection of emulsified vegetable oil (EVO) and cheese whey during seven injection events between September 2010 and January 2014.

  - September 13 through 19, 2010 – Injection of 3,910 gallons of cheese whey and 720 gallons of EVO into 16 injection points in a grid pattern near down-gradient property boundary and cheese whey at 40 additional injection points across the Site in documented areas of affected groundwater.

  - April 2011 – Injection of 4,800 gallons of cheese whey into 32 injection points in a grid pattern near the down-gradient property boundary (CKMW-1 and MW-14) and in a number of documented areas of affected groundwater prior to the first injection event (MW-1, MW-7 and MW-12).

  - July 2011 - Injection of 1,800 gallons of cheese whey into 16 injection points in a variable pattern near the down-gradient property boundary (CKMW-1 and MW-14) proximate to the apparent leading edge of the dissolved chlorinated hydrocarbon plume. Seven injection points in a variable pattern proximate to down-gradient monitor well CKMW-1, and nine off-site injection points located to the south and southwest near monitor well MW-14.

  - October 2011 - Injection of 6,715 gallons of cheese whey into 54 injection points in a grid pattern in three primary areas: (1) near the former waste oil UST in the vicinity of monitor well MW-1; (2) near the former septic tank in the vicinity of monitor wells MW-7 and MW-12; and (3) near down-gradient monitor wells CKMW-1 and MW-14.

    - The October 2011 injection event was followed by the first of two “quarterly” groundwater monitoring events. The second event was conducted in February 2012 by Farmer Environmental Group, LLC, who was retained by Houston Auto M Imports North in January 2012 to continue monitoring and remediation of the Site.

  - April 2012 - Injection of 7,606 gallons of cheese whey into 42 injection points placed across the site in four general areas of affected groundwater. The four areas consisted of the following: (1) near the former waste oil UST in the vicinity of

monitor well MW-1; (2) near the former septic tank in the vicinity and immediately north of monitor well MW-12; (3) near the southern property boundary proximate to and immediately north of monitor wells MW-7 and CKMW-1; and (4) in the immediate vicinity of down-gradient monitor wells MW-13 and MW-14.

- February 2013 - Injection of 3,000 gallons of cheese whey into three injection points in the vicinity of MW-1 and six injection points proximate to and immediately north of CKMW-1.

- January 28 and 29, 2014 – Injection of 4,210 gallons of cheese whey into 18 injection points in a variable pattern in three general areas of the Site, including: (1) near the former waste oil UST near monitor well MW-1; (2) near the removed septic tank in the vicinity of MW-12; and (3) near the southern Site property boundary in the immediate vicinity of MW-14

As previously discussed, groundwater monitoring has been conducted on a quarterly basis since January 2008 to evaluate the effect of enhanced bioremediation at the Site. The most recent groundwater data available to Terracon for review was collected during June 2015. Analytical results indicate that affected groundwater has been fully delineated and is confined to an approximate 1,981 square foot area in the central portion of the Site near monitor well MW-1. A table showing historical groundwater sampling data is included Table 2 in Appendix G.

Additional Field Services Requested by the City of Houston during pre-MSD application meeting on Tuesday, May 19, 2015.

1) *Collection of groundwater sample to the east/northeast of monitor well MW-1 to delineate groundwater plume.*

   On June 15, 2015, one soil boring was advanced to a depth of 20 feet bgs utilizing a direct-push technology (DPT) rig under the supervision of a State of Texas licensed monitor well driller to the east/northeast of on-site monitor well MW-1 at the request of the City of Houston. The soil boring was completed as a temporary groundwater sampling point (TSP-1) to facilitate the collection of a groundwater sample to complete horizontal delineation of the on-site chlorinated solvent groundwater plume in support of a MSD. Analytical results for groundwater collected during the limited site investigation (LSI) were compared to TRRP Tier 1 Residential $^{GW}GW_{Ing}$ PCLs. No VOCs were detected in the groundwater sample at concentrations above sample detection limits (SDLs); therefore, the horizontal delineation of the on-site chlorinated solvent groundwater plume has been completed and no further actions/investigations in support of a MSD are warranted. A copy of the LSI report is included as an attachment to this Appendix.

2) *Plugging and Abandonment of on-site water well.*

An on-site potable water well was formerly located on the west/southwest boundary of the Site in the vicinity of on-site monitor wells MW-5 and MW-8. The 4-inch polyvinyl chloride (PVC) cased water well extended to a total depth of 300 feet bgs and was equipped with a 5-horsepower pump capable of producing up to 50 gallons per minute. On August 31, 2015, the water well was plugged and abandoned by a State of Texas licensed water well driller in general accordance with Chapter 32.017 of the Texas Water Code and Title 16 of the Texas Administration Code (TAC) §76.1004. Well plugging and abandonment included the removal of the well casing to ground level. Upon removal of the 5-horsepower pump and associated piping, the entire well casing was backfilled with Portland cement grout utilizing a tremmie pipe. The State of Texas Plugging Report and photographs taken during field activities are included as an attachment to this Appendix.

APPENDIX G

TABLE 1
SOIL ANALYTICAL DATA - UNDERGROUND HYDRAULIC LIFTS
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS

all concentrations are in milligrams per kilogram

Sample ID		Sample Date	PID Value (ppm)	RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				VOCs (EPA 8260B)													PAH (EPA 8270C)					
				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	TPH (C_6-C_{12})	TPH (C_{12}-C_{28})	TPH (C_{28}-C_{35})	TPH (C_6-C_{35})	Benzene	Toluene	Ethylbenzene	Xylene	Methyl tert-butyl ether (MTB	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Isopropyltoluene, 4-	Butylbenzene, n-	Butylbenzene, sec-	cis-1,2-Dichloroethylene	Tetrachloroethylene	Trichloroethylene	Benz(a)anthracene	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene
UHL 1	Wall	05/09/02	1.9	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 2	Wall	05/09/02	3.2	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 3	Floor	05/09/02	1.3	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 4	Floor	05/09/02	2.6	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 5	Wall	05/09/02	2.6	--	--	--	--	--	--	--	--	<50	<50	<50	<50	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
UHL 6	Wall	05/09/02	0.9	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 8	Wall	05/09/02	1.1	--	--	--	--	--	--	--	--	<50	<50	<50	<50	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
UHL 9	Wall	05/09/02	1.6	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 10	Wall	05/09/02	1.9	--	--	--	--	--	--	--	--	<50	140	<50	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 11	Wall	05/08/02	1.6	--	--	--	--	--	--	--	--	<50	<50	<50	<50	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
UHL 13	Wall	05/08/02	1.6	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 14	Wall	05/08/02	3.9	1.31	36.2	<0.5	2.8	2.86	<0.033	<0.5	<1	<50	120	<50	120	<0.005	<0.005	<0.005	<0.005	<0.005	0.009	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
UHL 15	Wall	05/08/02	1.1	--	--	--	--	--	--	--	--	<50	<50	<50	<50	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
UHL 16	Floor	05/08/02	1.4	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 18	Floor	05/08/02	1.1	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 19	Wall	05/08/02	1.9	1.02	27.8	<0.5	2.5	**4.25**	<0.033	<0.5	<1	<50	1,700	<50	**1,700**	--	--	--	--	--	--	--	--	--	--	--	--	--	0.120	0.080	<0.066	<0.066	0.088	0.082
	Wall A	05/13/02	na	--	--	--	--	--	--	--	--	<50	170	<50	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 20	Wall	05/08/02	0.6	--	--	--	--	--	--	--	--	<50	130	<50	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 21	Wall	05/08/02	1.4	--	--	--	--	--	--	--	--	<50	1,700	<50	**1,700**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Wall A	05/13/02	na	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 22	Floor	05/08/02	2.7	--	--	--	--	--	--	--	--	<50	1,300	<50	**1,300**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Floor A	05/13/02	na	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UHL 24	Wall	05/08/02	0.8	14.1	66.4	<0.5	4.87	**14.4**	<0.033	<0.5	<1	<50	990	<50	**990**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
	Wall A	05/13/02	na	--	--	--	--	--	--	--	--	<50	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-1		05/09/02	1.8	--	--	--	--	--	--	--	--	<50	460	<50	460	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-2		05/09/02	2.7	--	--	--	--	--	--	--	--	<50	16,000	<50	**16,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-3		05/09/02	5	--	--	--	--	--	--	--	--	<50	2,700	<50	**2,700**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
SP-4		05/09/02	2.5	1.03	12.5	<0.5	1.5	**3.67**	<0.033	<0.5	<1	<50	15,000	<50	**15,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.004	0.004	--	--
TIER 1 PCLs/Action Levels				***25***	***440***	***1.5***	***2,400***	***3.0***	***2.1***	***2.3***	***1.4***	***--***	***--***	***--***	***500.0***	***0.5[1]***	***70***	***100[1]***	***560[1]***	***1.9***	***--***	***--***	***--***	***--***	***--***	***0.25***	***0.05***	***0.034***	***0.877***	***7.2***	***156***	***247***	***--***	***99***
TRRP Tier 1 Residential $^{GW}Soil_{Ing}$ PCLs				***5.9[2]***	***440***	***1.5***	***2,400***	***15[2]***	***0.04[2]***	***2.3***	***0.48***	***65***	***200***	***200***	***200***	***0.026***	***8.2***	***7.6***	***120***	***0.62***	***49***	***53***	***230***	***150***	***85***	***0.25***	***0.05***	***0.034***	***18***	***1500***	***1900***	***300***	***420***	***1100***
TRRP Tier 1 Residential $^{Tot}Soil_{Comb}$ PCLs				***24***	***8100***	***52***	***33000***	***500***	***3.6***	***310***	***97***	***1600***	***2300***	***2300***	***2300***	***120***	***5900***	***6400***	***6000***	***800***	***150***	***110***	***8200***	***3300***	***3300***	***140***	***710***	***18***	***5.7***	***560***	***2300***	***2300***	***1700***	***1700***
TRRP Tier 1 Residential $^{Air}Soil_{Inh-V}$ PCLs				***NE***	***NE***	***NE***	***NE***	***NE***	***4.6***	***NE***	***NE***	***3100***	***15000***	***15000***	***15000***	***160***	***63000***	***29000***	***9400***	***1400***	***160.0***	***120.0***	***NE***	***NE***	***NE***	***920***	***940***	***31***	***3700***	***590000***	***NE***	***NE***	***NE***	***NE***

Notes:
Bold font indicates constituent detected above Tier 1 PCLs/Action Levels
TNRCC Texas Risk Reduction Program (TRRP) Protective Concentration Level (PCL) for Soil at Commercial/Industrial Sites (Table III) under which the site required no further action from the TCEQ VCP following submittal of the Affected Property Assessment Report prepared by Applied Earth Sciences, Inc. in March 2003.
All soil samples were analyzed for VOCs by EPA 8260B. Only chemicals of concern detected above laboratory method detection limits were reported in this table.

TPH	- total petroleum hydrocarbons
VOCs	- volatile organic compounds
RCRA	- Resource Conservation Recovery Act
TCEQ	- Texas Commission on Environmental Quality
EPA	- Environmental Protection Agency
<	- not detected at concentrations above the sample detection limits (SDLs)
1	= TNRCC PST Leaking Underground Storage Tank Program Action Levels for Soil
2	= Texas-Specific Background Concentration
(mg/Kg)	= Milligrams per kilograms or parts per million (ppm)
--	= Not Analyzed or Not Published
NE	= Not Established

APPENDIX G

TABLE 1
SOIL ANALYTICAL DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS

all concentrations are in milligrams per kilogram

	Sample ID	Sample Depth	Sample Date	RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)			VOCs (EPA 8260B)													PCBs (EPA 8082)	PAH (EPA 8270C)
				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	TPH (C_6-C_{10})	TPH (C_{10}-C_{28})	TPH (C_{28}-C_{35})	Benzene	Toluene	Ethylbenzene	Xylene	Methyl tert-butyl ether (MTBE)	Trimethylbenzene, 1,2,4-	Trimethylbenzene, 1,3,5-	Isopropyltoluene, 4-	Butylbenzene, n-	Butylbenzene, sec-	cis-1,2-Dichloroethylene	Tetrachloroethylene	Trichloroethylene	PCBs	PAH
UST	UST 1 B-1	6-10'	06/07/00	--	--	--	--	--	--	--	--	<25	<25	--	<0.4	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--		
	UST 1 B-2	6-10'	06/07/00	--	--	--	--	--	--	--	--	<25	<25	--	<0.4	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--		
	UST 2 B-1	6-10'	06/09/00	2.36	302	<0.12	4.12	**5.39**	<0.02	<2	<1	<25	<25	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		
	UST 3 B-1	14-18'	06/09/00	1.97	138	<0.12	5.57	**5.3**	0.023	<2	<1	<25	<25	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	<0.003	<0.003	<0.003	0.015	0.013	0.016		
	GT B-1	0-2'	06/09/00	<1	31.1	<0.12	2.15	**4.997**	<0.02	<2	<1	<25	<25	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		
UHL	B-4	2-6'	06/06/00	--	--	--	--	--	--	--	--	<25	**15,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
	B-9	6-10'	06/07/00	--	--	--	--	--	--	--	--	<25	330	--	<0.003	<0.003	<0.003	<0.003	--	0.011	0.0069	0.0083	0.022	0.011	<0.003	<0.003	<0.003	--	--
	B-15	2-6'	06/07/00	--	--	--	--	--	--	--	--	<25	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-20	2-6'	06/08/00	--	--	--	--	--	--	--	--	<25	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-22	2-6'	06/08/00	--	--	--	--	--	--	--	--	<25	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-24	6-10'	06/08/00	--	--	--	--	--	--	--	--	<25	**2,100**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--
	B-28	0-2'	06/08/00	--	--	--	--	--	--	--	--	--	--	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--	--
		6-10'	06/08/00	--	--	--	--	--	--	--	--	<25	**1,300**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-31	10-14'	06/09/00	--	--	--	--	--	--	--	--	<25	230	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-33	6-10'	06/09/00	--	--	--	--	--	--	--	--	<25	**11,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	ND
Borings	B-34	10-15'	02/20/03	3.49	112	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-35	15'	02/21/03	4.62	118	--	--	2.69	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		19'	02/22/03	6.35	66.8	--	--	**4.95**	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-36	10-14'	02/23/03	19.4	**888**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		18'	02/24/03	4.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-37	6"	2/20/2003	1.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	B-38	4'	2/20/2003	--	--	--	--	**13.3**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GT B-1	0-2'	6/9/2000	<1	31.1	<0.12	2.15	**4.997**	<0.02	<2	<2	<25	<25	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.03		
MW	MW-1	0-2'	02/24/01	--	--	--	--	--	--	--	--	<50	<50	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
		10-14'	02/24/01	7	61	<0.5	5	3	<0.033	<0.5	<1	<50	<50	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
	MW-2	10-15'	02/24/01	9	**1,520**	<2.5	11	**44**	<0.033	<0.5	1	<50	<50	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
		25-30'	02/24/01	--	--	--	--	--	--	--	--	<50	<50	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
	MW-3	18-25'	02/24/01	1	25	<0.5	3	2	<0.033	<0.5	<1	<50	<50	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
	MW-5	3-5'	05/14/01	--	71.7	--	--	**3.06**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		6-7'	05/14/01	--	103	--	--	2.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		12-13'	05/14/01	--	32.9	--	--	2.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-6	6-8'	05/14/01	--	38.7	--	--	**5.59**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		10-15'	05/14/01	--	64.8	--	--	**6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-7	4-5'	05/14/01	--	55.6	--	--	**3.21**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW-8	6"	06/24/02	2.51	73.9	--	3.1	**3.21**	--	--	--	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		16-17.5'	06/24/02	--	--	--	--	--	--	--	--	<50	<50	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
	MW-9	6"	06/24/02	3.77	88.5	--	7.22	**22.8**	--	--	--	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		18-20'	06/27/02	--	--	--	--	--	--	--	--	<50	<50	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
	MW-10	6"	06/27/02	3.4	88.8	--	4.07	**5.17**	--	--	--	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		20-22'	06/27/02	--	--	--	--	--	--	--	--	<50	<50	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
	MW-11	8"	06/27/02	7.98	301	--	10.2	**9.43**	--	--	--	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		30-32	06/27/02	--	--	--	--	--	--	--	--	<50	<50	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
GRID	G-1	6"	02/20/03	3.92	172	--	--	**4.34**	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	G-2	6"	02/20/03	17.2	168	--	--	**32.7**	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		4'	02/20/03	1.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	G-3	6"	02/20/03	10.1	142	--	--	**5.69**	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	G-4	6"	02/20/03	0.918	50	--	--	2.03	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	G-5	6"	02/20/03	4.75	103	--	--	**4.76**	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	G-6	6"	02/20/03	4.55	146	--	--	**5.04**	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	G-7	6"	02/20/03	4.3	43.2	--	--	**3.89**	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	G-8	6"	02/20/03	1.05	71.3	--	--	**4.04**	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	G-9	6"	02/20/03	0.866	57.1	--	--	**3.46**	--	--	<0.5	<50	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TIER 1 PCLs/Action Levels				25	440	1.5	2,400	3.0	2.1	2.3	1.4	100[1]	500[1]	--	0.5[1]	70	100[1]	560[1]	1.9	--	--	--	--	--	0.25	0.05	0.034	7.7	VARIES
TRRP Tier 1 Residential $^{GW}Soil_{Ing}$ PCLs				5.9[2]	440	1.5	2,400	15[2]	0.04[2]	2.3	0.48	65	200	200	0.026	8.2	7.6	120	0.62	49	53	230	150	85	0.25	0.05	0.034	11	Varies
TRRP Tier 1 Residential $^{Tot}Soil_{Comb}$ PCLs				24	8100	52	33000	500.0	3.6	310	97	1600	2300	2300	120	5900	6400	6000	800	150	110	8200	3300	3300	140	710	18	1.1	Varies
TRRP Tier 1 Residential $^{Air}Soil_{Inh-V}$ PCLs				*NE*	*NE*	*NE*	*NE*	*NE*	*4.6*	*NE*	*NE*	3100	15000	15000	*160*	*63000*	*29000*	*9400*	*1400*	*160*	*120*	*NE*	*NE*	*NE*	*920*	*940*	*31*	*54*	*VARIES*

Notes:

Bold font indicates constituent detected above Tier 1 PCLs/Action Levels

= TNRCC Texas Risk Reduction Program (TRRP) Protective Concentration Level (PCL) for Soil at Commercial/Industrial Sites (Table III) under which the site required no further action from the TCEQ VCP following submittal of the Affected Property Assessment Report prepared by Applied Earth Sciences, Inc. in March 2003.

All soil samples were analyzed for VOCs by EPA 8260B. Only chemicals of concern detected above laboratory method detection limits were reported in this table.

TPH - total petroleum hydrocarbons
VOCs - volatile organic compounds
RCRA - Resource Conservation Recovery Act
PCBs - polychlorinated biphenyls
PAH - polycyclic aromatic hydrocarbons
TCEQ - Texas Commission on Environmental Quality
EPA - Environmental Protection Agency
< - not detected at concentrations above the sample detection limits (SDLs)
1 = TNRCC PST Leaking Underground Storage Tank Program Action Levels for Soil
2 = Texas-Specific Background Concentration
(mg/Kg) = Milligrams per kilograms or parts per million (ppm)
-- = Not Analyzed or Not Published
NE = Not Established

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind't.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{inh-v}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
UST 1 B-1	06/07/00	--	--	--	--	--	--	--	--	<2.5	--	--	<2.5	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
UST 1 B-2	06/07/00	--	--	--	--	--	--	--	--	<2.5	--	--	<2.5	--	<0.005	<0.005	<0.005	<0.005	0.099	<0.005	<0.005	--	--	--	--
UST 2 B-1	06/09/00	<0.025	1.56	<0.003	0.02	<0.037	<0.0003	<0.037	<0.025	<2.5	--	--	<2.5	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	--	<0.003	<0.003	--
UST 3 B-1	06/09/00	<0.1	**5.31**	<0.012	**0.246**	<0.15	<0.003	<0.15	<0.1	<2.5	--	--	<2.5	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	**0.13**	--	**0.032**	**0.067**	--
B-6	06/09/00	--	--	--	--	--	--	--	--	<2.5	--	--	<2.5	<0.0005	--	--	--	--	--	--	--	--	--	--	--
B-28	06/09/00	<0.025	**2.3**	<0.003	0.025	<0.037	<0.0003	<0.037	<0.025	<2.5	--	--	<2.5	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	--	<0.003	<0.003	--
UHL1-W	05/09/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--
UHL6-W	05/09/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	0.099	<0.005	--	--	--	--	--
UHL8-W	05/09/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.003	<0.003	<0.003	0.099	<0.005	--	--	--	--	--
UHL11-W	05/09/02	--	--	--	--	--	--	--	--	<4.5	--	<4.5	<4.5	--	--	--	--	--	--	--	--	--	--	--	--
UHL13-W	05/09/02	--	--	--	--	--	--	--	--	<5.0	--	**80**	<5.0	---	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	--	<0.003	<0.003	--
UHL21-W	05/09/02	--	--	--	--	--	--	--	--	<5.0	--	**9.8**	<5.0	--	<0.003	<0.003	<0.003	<0.003	--	<0.003	**0.130**	--	**0.032**	**0.067**	--
MW-1	02/24/01	<0.005	1.64	<0.005	<0.01	<0.005	<0.002	<0.005	<0.01	<5.0	--	--	<5.0	--	<0.005	<0.005	<0.005	<0.005	0.036	0.029	0.006	<0.005	<0.005	**0.006**	<0.005
	07/12/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	0.057	<0.005	**0.130**	0.006	**0.011**	**0.078**	<0.0010
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	0.052	<0.000444	**0.082**	0.003	0.004	**0.044**	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.047	<0.000444	**0.082**	0.004 J	0.003 J	**0.038**	<0.001
	11/16/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	0.060	<0.000444	**0.120**	0.005 J	0.005	**0.064**	<0.00025
	01/12/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.055	<0.000444	**0.097**	0.005 J	0.004 J	**0.045**	0.002 J
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.055	<0.005	**0.072**	<0.005	<0.005	**0.026**	<0.0010
	08/30/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.058	<0.005	**0.098**	0.005 J	0.002 J	**0.039**	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.060	<0.005	**0.088**	0.004 J	<0.005	**0.024**	0.00200
	01/10/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.022	<0.00024	**0.046**	0.002 J	0.001 J	**0.018**	<0.00025
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.032	<0.00024	**0.085**	0.003 J	0.001 J	**0.020**	<0.00025
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.028	<0.00024	**0.061**	0.002 J	<0.00049	**0.016**	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.042	<0.00024	**0.079**	0.004 J	<0.00049	**0.017**	<0.00025
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00029	<0.00015	<0.00013	0.042	<0.00015	**0.053**	0.002 J	<0.00014	**0.012**	<0.00028
	4/16/2009 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.043	0.001 J	**0.055**	0.002 J	<0.00014	**0.012**	<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.040	<0.00015	**0.058**	0.0028	0.001	**0.014**	0.00120
	8/6/2009 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.040	<0.00015	**0.060**	0.0031	0.00090 J	**0.014**	0.00110
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.071	<0.00015	**0.098**	0.0047	0.001	**0.016**	0.00140
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.054	<0.00015	**0.079**	0.0026	0.00097	**0.014**	<0.00028
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.039	<0.00015	**0.078**	0.0025	0.001	**0.014**	<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.057	<0.00014	**0.093**	0.0041	0.001	**0.014**	0.00140
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.050	<0.00014	**0.110**	0.0045	0.001	**0.018**	0.00140
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.032	<0.00027	**0.050**	0.0019	<0.00024	**0.0062**	0.00084 J
	1/27/2011 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.030	<0.00014	**0.048**	0.0017	<0.00024	**0.0061**	0.00084 J
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00055	<0.00017	0.041	<0.00064	**0.0736**	0.0032	0.00091	**0.0073**	**0.0026**
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	<0.00010	<0.00010	<0.00030	0.033	<0.00020	**0.063**	0.0029	<0.00020	**0.0068**	**0.0079**
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.038	<0.001	**0.076**	0.0035	<0.001	**0.0059**	**0.0160**
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.033	<0.001	**0.065**	0.0034	<0.001	0.0044	**0.0320**
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.033	<0.001	**0.064**	0.0035	<0.001	0.0043	**0.0320**
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.031	<0.001	**0.049**	0.0025	<0.001	0.0017	**0.0260**
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.017	<0.001	**0.031**	0.0020	<0.001	0.0026	**0.0200**
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	0.021	<0.001	**0.024**	0.0014	<0.001	0.0022	**0.0200**
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	0.020	<0.001	**0.017**	0.00086 J	<0.001	0.0015	**0.0170**
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	0.019	<0.001	**0.016**	0.00093 J	<0.001	0.0011	**0.0230**
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.006	<0.001	**0.0063**	0.00035 J	<0.001	0.0005 J	**0.0071**
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.020	<0.001	**0.039**	<0.001	<0.001	0.0015	**0.0240**
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	<0.00020	<0.00030	<0.00050	0.031	<0.00020	**0.057**	0.003	<0.00030	0.00075 J	**0.0460**
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.018	<0.001	**0.033**	0.0018	<0.001	<0.001	**0.0350**
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.018	<0.001	**0.023**	0.0011	<0.001	<0.001	**0.0300**
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.020	<0.001	**0.015**	<0.001	<0.001	<0.001	**0.0053**
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.021	<0.001	**0.018**	<0.001	<0.001	<0.001	**0.0340**

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind'l.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{Inh-V}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
MW-2	02/24/01	**0.020**	**2.0**	<0.005	0.081	**0.039**	<0.0002	<0.005	<0.01	<4.9	--	--	<4.9	--	<0.005	<0.005	<0.005	<0.005	<0.005	0.0210	<0.005	<0.005	<0.005	<0.005	<0.005
	05/22/01	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/12/02	--	1.120	--	--	<0.005	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	0.015	<0.005	<0.005	<0.005	<0.005	<0.005
	02/21/03	--	0.951	--	--	<0.005	--	--	--	<5.0	--	<5.0	<5.0	--	--	--	--	--	--	--	--	--	--	--	--
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.002	0.005	<0.00061	<0.00036	<0.0015	<0.002	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.002 J	0.004 J	<0.00061	<0.00036	<0.0015	<0.00044	<0.001
	11/16/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	0.002 J	0.004 J	<0.00061	<0.002	<0.0015	<0.002	<0.00025
	01/12/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.002 J	0.004 J	<0.00061	<0.00036	<0.0015	<0.00044	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.002 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	01/09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind't.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{inh-v}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
MW-3	02/24/01	<0.005	**2.040**	<0.005	<0.01	<0.005	<0.0002	<0.005	<0.01	<5.0	--	--	<5.0	--	<0.005	<0.005	<0.005	<0.005	0.110	<0.005	**0.110**	<0.005	**0.006**	**0.050**	<0.005
	05/22/01	--	**2.040**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/01/02	--	1.700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/12/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	0.027	0.043	0.009	<0.005	**0.006**	**0.013**	<0.005
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	0.024	0.023	0.010	<0.00036	**0.007**	**0.016**	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.032	0.016	0.011	<0.00036	0.003 J	**0.012**	<0.001
	11/16/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	0.027	0.016	0.012	<0.002	**0.007**	**0.018**	<0.00025
	01/12/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.029	0.019	0.012	<0.00036	**0.007**	**0.016**	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.022	0.013	0.009	<0.005	<0.005	**0.009**	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.017	0.006	0.005 J	<0.005	0.002 J	**0.006**	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.020	0.005	0.006	<0.005	0.001 J	0.004 J	<0.002
	01/10/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.022	0.003 J	0.006	<0.00035	0.003 J	**0.007**	<0.00025
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.016	0.002 J	0.004 J	<0.00035	0.002 J	0.004 J	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.023	0.001 J	0.003 J	<0.00034	0.001 J	0.003 J	<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.022	<0.00015	0.0034	<0.00034	0.0012	0.0038	<0.00028
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.018	<0.00015	0.0024	<0.00034	0.0012	0.0033	<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.022	<0.00014	0.002	<0.00022	0.0012	0.003	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0005	<0.00043	<0.00055	<0.0017	0.018	<0.00064	0.0028	<0.00044	0.0012 J	0.0031	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.021	<0.001	0.0042	<0.001	0.0014	0.0044	<0.001
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.017	<0.001	0.0039	<0.001	0.0011	0.0039	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.017	<0.001	0.0045	<0.001	0.00081 J	0.0042	<0.001
	6/5/13 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.017	<0.001	0.0044	<0.001	0.00071 J	0.004	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0003	<0.0005	0.0061	<0.0002	0.0015	<0.0002	<0.0003	0.0014	<0.0002
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0044	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-4	05/22/01	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	07/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	<0.00047	<0.00044	<0.00061	<0.00036	<0.0015	<0.00044	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	<0.00047	<0.00044	<0.00061	<0.00036	<0.0015	<0.00044	<0.001
	11/15/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	<0.00047	<0.00044	<0.00061	<0.002	<0.0015	<0.002	<0.00025
	01/12/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	<0.00047	<0.00044	<0.00061	<0.00036	<0.0015	<0.00044	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.002 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	01/09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/21/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind'l.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{inh-v}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
MW-4	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
MW-5	05/22/01	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.010	<0.005	<0.005	**0.006**	<0.005
	07/30/01	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	<0.005	**0.007**	<0.005
	04/01/02	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.009	<0.005	<0.005	**0.007**	<0.005
	07/11/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.016	<0.005	<0.005	**0.008**	<0.005
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	0.002	<0.00044	0.016	<0.00036	<0.0015	**0.005**	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	<0.00047	<0.00044	0.009	<0.00036	<0.0015	0.004 J	<0.001
	11/16/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	0.001 J	<0.00044	0.011	<0.002	<0.0015	0.005	<0.00025
	01/12/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.001 J	<0.00044	0.013	<0.00036	<0.0015	**0.006**	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.011	<0.005	<0.005	<0.005	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	<0.005	0.003 J	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	0.002 J	<0.002
	01/10/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	0.005 J	<0.00035	<0.00049	0.001 J	<0.00025
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	0.005 J	<0.00035	<0.00049	0.001 J	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.002 J	<0.00015	0.004 J	<0.00034	<0.00014	0.001 J	<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.003	<0.00015	0.004	<0.00034	<0.00014	<0.00021	<0.00028
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0016	<0.00015	0.0032	<0.00034	<0.00014	<0.00021	<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0017	<0.00014	0.0032	<0.00022	<0.00024	<0.00030	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0005	<0.00043	<0.00055	<0.001	0.0027	<0.00064	0.0023	<0.000445	<0.00091	<0.00052	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0042	<0.001	0.0011	<0.001	<0.001	<0.001	<0.001
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0042	<0.001	0.00063 J	<0.001	<0.001	<0.001	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0055	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0003	<0.0005	0.0051	<0.00020	<0.00020	<0.00020	<0.00030	<0.00020	<0.00020
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0039	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-6	05/22/01	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	07/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	<0.00047	<0.00044	<0.00061	<0.00036	<0.0015	<0.002	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	<0.00047	<0.00044	<0.00061	<0.00036	<0.0015	<0.00044	<0.001
	11/15/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	<0.00047	<0.00044	<0.00061	<0.002	<0.0015	<0.002	<0.00025
	01/12/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	<0.00047	<0.00044	<0.00061	<0.00036	<0.0015	<0.00044	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	01/09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind'l.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{Inh-V}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
MW-6	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0087	<0.001	<0.001	0.00096 J	<0.001
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
MW-7	05/22/01	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	07/11/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	<0.00047	<0.00044	0.001	<0.00036	<0.0015	0.004	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	<0.00047	<0.00044	0.003 J	<0.00036	<0.0015	0.001 J	<0.001
	11/15/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	<0.00047	<0.00044	0.004 J	<0.002	<0.0015	0.005	<0.00025
	01/12/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.002 J	<0.00044	0.004 J	<0.00036	<0.0015	0.005	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	**0.0420**	**0.049**	<0.0010
SPL Data	04/05/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.032	<0.005	**0.0520**	**0.044**	<0.002
Star Analytical Data - (see Note 3)	04/05/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00050	<0.00050	<0.0010	0.0028	0.00074 J	0.0236	0.00056	**0.0424**	**0.026**	<0.00050
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.0010 J	<0.005	0.055	<0.005	**0.065**	**0.066**	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.002 J	<0.005	0.051	<0.005	**0.056**	**0.046**	<0.002
	01/10/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.003 J	<0.00024	0.056	0.0009 J	**0.097**	**0.073**	<0.00025
	1/10/2008 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.003 J	<0.00024	0.060	0.001 J	**0.099**	**0.069**	<0.00025
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.007	<0.00024	0.056	<0.00035	**0.060**	**0.045**	<0.00025
	5/1/2008 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.007	<0.00024	0.052	<0.00035	**0.057**	**0.042**	<0.00025
	08/21/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.002 J	<0.00024	0.035	<0.00035	**0.059**	**0.039**	<0.00025
	8/21/2008 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.002 J	<0.00024	0.036	<0.00035	**0.058**	**0.039**	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.002 J	<0.00024	0.023	<0.00035	**0.037**	**0.024**	<0.00025
	11/19/2008 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.002 J	<0.00024	0.022	<0.00035	**0.036**	**0.024**	<0.00025
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.002 J	<0.00015	0.022	<0.00034	**0.020**	**0.021**	<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0024	<0.00015	0.017	<0.00034	**0.020**	**0.020**	<0.00028
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0033	<0.00015	0.017	<0.00034	**0.017**	**0.019**	<0.00028
	10/27/2009 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0036	<0.00015	0.018	<0.00034	**0.017**	**0.019**	<0.00028
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0025	<0.00015	0.022	<0.00034	**0.019**	**0.022**	<0.00028
	1/20/10 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0029	<0.00015	0.024	<0.00034	**0.019**	**0.022**	<0.00028
(Oxidor Duplicate)	1/20/10 (Dup 2)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0214	<0.005	**0.0203**	**0.0216**	<0.002
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0029	<0.00015	0.051	0.00096 J	**0.054**	**0.049**	<0.00028
	4/13/2010 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0027	<0.00015	0.046	0.0009 J	**0.052**	**0.044**	<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0037	<0.00014	0.038	0.00094 J	**0.038**	**0.035**	<0.00019
	7/30/10 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0038	<0.00014	0.038	0.00093 J	**0.037**	**0.034**	<0.00019
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0056	<0.00014	0.052	0.0013	**0.046**	**0.046**	<0.00019
	10/29/2010 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0057	<0.00014	0.054	0.0013	**0.048**	**0.046**	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0052	<0.00014	0.021	<0.00022	**0.020**	**0.026**	<0.00019
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00055	<0.0017	0.0057	<0.00064	0.0154	<0.00046	**0.0138**	**0.0174**	<0.001
	4/26/2011 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00055	<0.0017	0.0053	<0.00064	0.016	0.00046 J	**0.0145**	**0.0186**	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	<0.00010	<0.00010	<0.00030	0.0064	<0.00010	0.045	<0.0002	0.00067 J	0.000410 J	<0.00030
	18-Aug-11(Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	<0.00010	<0.00010	<0.00030	0.0064	<0.00010	0.045	0.00037 J	0.00069 J	<0.00020	<0.00030
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0082	<0.001	0.021	<0.001	0.00069 J	0.0021	<0.001
	21-Nov-11 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0083	<0.001	0.020	<0.00022 J	0.00067	0.0021 J	<0.001
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0060	<0.001	0.017	<0.00028 J	<0.001	0.00078 J	<0.001
	2/23/2012 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0058	<0.001	0.018	<0.001	<0.001	0.00079 J	<0.001
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0059	<0.001	0.017	<0.001	<0.001	0.00074 J	<0.001
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00038 J	<0.001	<0.003	0.0055	<0.001	0.010	<0.001	0.00059 J	0.0033	<0.001
	5/29/2012 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0055	<0.001	0.011	<0.001	0.00076 J	0.0039	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0036	<0.001	0.0075	<0.001	0.00067 J	0.0031	<0.001
	8/21/2012 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0036	<0.001	0.0075	<0.001	<0.00073 J	0.0029	<0.001

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind'l.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{inh-v}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
MW-7	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	0.0062	<0.001	0.0099	<0.001	<0.001	0.0017	<0.001
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	0.0035	<0.001	0.005	<0.001	0.00066 J	0.0017	<0.001
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	0.0046	<0.001	0.011	<0.001	<0.001	<0.001	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0013	<0.001	<0.001	0.0034	<0.001	0.0069	<0.001	<0.001	<0.001	<0.001
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0038	<0.001	0.0063	<0.001	<0.001	<0.001	<0.001
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	0.00044 J	<0.00030	<0.00050	0.0037	<0.00020	0.0045	<0.00020	<0.00030	<0.00020	<0.00020
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0019	<0.001	0.0026	<0.001	<0.001	<0.001	<0.001
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0027	<0.001	0.0024	<0.001	<0.001	<0.001	<0.001
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
MW-8	07/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.013	<0.005	0.023	<0.005	<0.005	<0.005	<0.005
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	0.044	<0.00044	0.008	<0.00036	<0.0015	<0.002	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.030	<0.00044	0.007	<0.00036	<0.0015	<0.00044	<0.001
	11/16/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	0.018	<0.00044	0.004 J	<0.002	<0.0015	<0.002	<0.00025
	01/13/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.030	<0.00044	0.009	<0.00036	<0.0015	<0.00044	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	0.002 J	<0.005	<0.005	<0.005	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	0.001 J	<0.005	<0.005	<0.005	<0.002
	01/09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.002 J	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0005	<0.00043	<0.00055	<0.0017	<0.00073	<0.00064	<0.00056	<0.00045	0.00091	<0.00052	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.00025 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Semi-Annually per TCEQ										
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00021 J	<0.0002	<0.0003	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0003	<0.0002	<0.0002
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind't.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{Inh-V}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
MW-9	07/11/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	0.011	<0.00044	0.002	<0.00036	<0.0015	0.003	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.008	<0.00044	0.001 J	<0.00036	<0.0015	0.002 J	<0.001
	11/15/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	0.007	<0.00044	0.001 J	<0.002	<0.0015	0.002 J	<0.00025
	01/13/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.007	<0.00044	0.001 J	<0.00036	<0.0015	0.002 J	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	0.002 J	<0.005	<0.005	0.002 J	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.003 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	01/09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.001 J	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.002 J	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.001	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0015	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0012	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.001	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00055	<0.0017	0.0014 J	<0.00064	<0.00056	<0.000445	0.00091	<0.00052	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	<0.00010	<0.00010	<0.00030	0.0015	<0.00010	0.00042 J	<0.00020	<0.00020	0.00039 J	<0.00030
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0016	<0.001	0.00035 J	<0.001	<0.001	0.00039 J	<0.001
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.00083 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.00086 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.00075 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.00045 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	0.00095 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.00081 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0007 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	<0.00020	<0.00030	<0.00050	0.0008 J	<0.00020	<0.00020	<0.00020	<0.00030	<0.00020	<0.00020
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
MW-10	07/11/02	--	--	--	--	--	--	--	--	<5.0	--	<5.0	<5.0	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	0.005	<0.00044	<0.00061	<0.00036	<0.0015	<0.002	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.005	<0.00044	<0.00061	<0.00036	<0.0015	<0.00044	<0.001
	11/15/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	0.005	<0.00044	<0.00061	<0.002	<0.0015	<0.002	<0.00025
	01/13/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.006	<0.00044	<0.00061	<0.00036	<0.0015	<0.00044	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.004 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	01/09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0025	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind't.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{inh-v}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
MW-11	07/12/02	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.016	0.029	<0.005	<0.005	<0.005	<0.005	<0.005
	02/21/03	--	--	--	--	--	--	--	--	<5.0	--	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/21/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.001	0.014	0.013	<0.00061	<0.00036	<0.0015	<0.002	<0.001
	07/31/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.014	0.008	<0.00061	<0.00036	<0.0015	0.001 J	<0.001
	11/15/04	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00079	0.013	0.011	<0.00061	<0.002	<0.0015	<0.002	<0.00025
	01/12/05	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00034	<0.00046	<0.00036	<0.00026	0.014	0.010	<0.00061	<0.00036	<0.0015	0.001 J	<0.00025
	03/13/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.011	0.009	<0.005	<0.005	<0.005	<0.005	<0.0010
	08/29/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.008	0.006	<0.005	<0.005	<0.005	0.001 J	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	0.006	0.003 J	<0.005	<0.005	<0.005	<0.005	<0.002
	01/10/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.007	0.002 J	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.004 J	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.004 J	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	0.005	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.006	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0058	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0075	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.006	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	0.0046	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0059	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.0045	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.004	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00055	<0.0017	0.0042	<0.00064	<0.00056	<0.00045	0.00091	<0.00052	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	0.00026 J	<0.00010	<0.00030	0.0037	<0.00010	<0.00010	<0.00020	<0.00020	<0.00020	<0.00030
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.00028 J	<0.001	<0.003	0.0036	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0022	<0.001	<0.003	0.0033	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0024	<0.001	<0.003	0.0034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0015	<0.001	<0.003	0.0031	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00034 J	<0.001	<0.003	0.0034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	<0.00020	<0.00030	<0.00050	0.0033 J	<0.00020	<0.00020	<0.00020	<0.00030	<0.00020	<0.00020
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	To be Sampled Annually per TCEQ										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-12	08/30/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.009	<0.005	0.004 J	**0.012**	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.009	<0.005	0.003 J	**0.009**	<0.002
	01/10/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	0.003 J	<0.00035	0.001 J	0.004 J	<0.00025
	05/21/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	0.002 J	<0.00035	<0.00049	0.002 J	<0.00025
	08/20/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	0.001 J	<0.00035	<0.00049	0.001 J	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.00034	<0.00030	<0.00031	<0.00024	0.002 J	<0.00035	<0.00049	0.001 J	<0.00025
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	0.016	<0.00034	**0.008**	**0.017**	<<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	0.016	<0.00034	**0.010**	**0.018**	<<0.00028
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	**0.086**	0.0017	**0.063**	**0.083**	<<0.00028
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	**0.120**	0.0022	**0.081**	**0.110**	<<0.00028
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00015	<0.00013	<0.00032	<0.00015	**0.100**	0.0023	**0.092**	**0.120**	<<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	0.051	0.0013	**0.035**	**0.053**	<<0.00019
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	0.033	0.0008 J	**0.024**	**0.035**	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	0.025	<0.00022	**0.0093**	**0.031**	<0.00019
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00055	<0.0017	<0.00073	<0.00064	0.019	<0.00045	0.0031	**0.006**	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	0.00085 J	<0.00010	<0.00030	<0.00010	<0.00010	0.037	0.00062 J	<0.00020	0.00064 J	<0.00030
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00032 J	0.0053	<0.001	<0.003	0.00043 J	<0.001	0.025	<0.001	<0.001	<0.001	<0.001
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0031	<0.001	<0.003	0.0012	<0.001	0.042	0.00036 J	<0.001	<0.001	<0.001
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0027	<0.001	<0.003	0.0012	<0.001	0.038	0.00036 J	<0.001	<0.001	<0.001
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00042 J	<0.001	<0.003	<0.001	<0.001	0.011	<0.001	<0.001	<0.001	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0011	<0.001	<0.003	0.0013	<0.001	0.054	0.00051 J	<0.001	<0.001	0.00092
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00039 J	<0.001	<0.00050	0.00088 J	<0.001	0.020	<0.001	<0.001	<0.001	<0.001
	20-Nov-12 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00040 J	<0.001	<0.00050	0.00092 J	<0.001	0.020	<0.001	<0.001	<0.001	<0.001
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0011 J	<0.001	<0.001	0.0024 J	<0.001	0.042	0.00041	<0.001	<0.001	0.00048
	5-Mar-13 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00089 J	<0.001	<0.001	0.0025	<0.001	0.042	0.00038 J	<0.001	<0.001	0.00066 J
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00082 J	<0.001	<0.001	0.0053	<0.001	0.057	0.00057 J	<0.001	<0.001	0.00097 J

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind't.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{Inh-V}$ Comm'l/Ind'l.		**--**	**--**	**--**	**--**	**--**	**10**	**--**	**--**	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
MW-12	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00079 J	<0.001	<0.001	0.046	<0.001	0.070	<0.001	<0.001	<0.001	**0.0025**
	17-Sep-13 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00075 J	<0.001	<0.001	0.042	<0.001	0.067	<0.001	<0.001	<0.001	**0.0024**
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.069	<0.001	0.051	<0.001	<0.001	<0.001	<0.001
	17-Feb-14 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.068	<0.001	0.049	<0.001	<0.001	<0.001	<0.001
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	<0.00020	<0.00030	<0.00050	0.075	<0.00020	0.043	0.00097 J	<0.00030	<0.00020	<0.00020
	29-May-14 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	<0.00031 J	<0.00030	<0.00050	0.076	<0.00020	0.044	0.00093 J	<0.00030	<0.00020	<0.00020
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.021	<0.001	0.017	<0.001	<0.001	<0.001	<0.001
	20-Aug-14 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.021	<0.001	0.017	<0.001	<0.001	<0.001	<0.001
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.170	<0.001	0.038	<0.001	<0.001	<0.001	<0.001
	21-Nov-14 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.170	<0.001	0.038	<0.001	<0.001	<0.001	<0.001
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.130	<0.001	0.024	<0.001	<0.001	<0.001	<0.001
	4-Mar-15 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.120	<0.001	0.025	<0.001	<0.001	<0.001	<0.001
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.150	<0.001	0.045	0.0013	<0.001	0.0015	<0.001
	2-Jun-15 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.150	<0.001	0.043	0.0013	<0.001	0.0014	<0.001
MW-13	08/30/06	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.001.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.001 J	<0.002
	06/12/07	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	<0.001.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
	01/09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.0015	<0.00030	<0.00031	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	05/01/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.001.6	<0.00030	<0.00031	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	08/21/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.0017	<0.00030	<0.00031	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	11/19/08	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00035	<0.00025	<0.001.8	<0.00030	<0.00031	<0.00024	<0.00048	<0.00035	<0.00049	<0.00025	<0.00025
	04/16/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.001.9	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	08/06/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00110	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00111	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	01/20/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00112	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	04/13/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	<0.00029	<0.00113	<0.00013	<0.00032	<0.00015	<0.00023	<0.00034	<0.00014	<0.00021	<0.00028
	07/30/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00114	<0.00035	<0.00018	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00115	<0.00035	<0.00018	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00116	<0.00035	<0.00018	<0.00014	<0.00019	<0.00022	<0.00024	<0.00030	<0.00019
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00117	<0.0017	0.0010 J	<0.00064	<0.00056	<0.00045	<0.00091	0.00071 J	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	<0.00010	<0.00118	<0.00030	0.00034 J	<0.00010	<0.00010	<0.00020	<0.00020	0.00033 J	<0.00030
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	0.290	<0.00119 J	0.0041 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.320	<0.00120	<0.003	<0.001	<0.00010	<0.001	<0.001	<0.001	<0.001	<0.001
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.310	<0.00121	<0.003	<0.001	<0.00010	<0.001	<0.001	<0.001	<0.001	<0.001
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.027	<0.00122	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled										
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	<0.00020	<0.00030	<0.00050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00030	<0.00020	<0.00020
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
MW-14	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	0.0013	<0.00022	<0.00024	0.0011	<0.00019
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00055	<0.0017	<0.00073	<0.00064	0.0113	<0.00044	0.0026	**0.0082**	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	<0.00010	<0.00010	<0.00030	<0.00010	0.00034 J	0.031	0.00098 J	**0.017**	**0.034**	<0.0003
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00010	**13.0**	0.0029 J	0.0097 J	<0.00010	<0.00010	0.020	<0.00010	**0.010**	**0.013**	<0.00010
	12-6-11 (Pre)*	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0025	**6.0**	<0.0025	<0.075	--	--	--	--	**--**	**--**	--
	12-6-11 (Post)*	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	0.410	<0.005	<0.0015	--	--	--	--	**--**	**--**	--
	12-23-11 (Pre)*	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	**2.4**	<0.00050	<0.0015	--	--	--	--	**--**	**--**	--
	12-23-11 (Post)*	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	0.480	<0.00050	<0.0015	--	--	--	--	**--**	**--**	--
	1-3-12 (Pre)*	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	**1.4**	0.00096 J	<0.0015	--	--	--	--	**--**	**--**	--
	1-3-12 (Post)*	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.560	<0.001	<0.003	--	--	--	--	**--**	**--**	--
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.880	<0.001	<0.003	<0.001	<0.001	0.0058	<0.001	<0.001	<0.001	<0.001
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.870	<0.001	<0.003	<0.001	<0.001	0.0056	<0.001	<0.001	<0.001	<0.001
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	**3.5**	<0.001	<0.003	<0.001	<0.001	0.0017	<0.001	<0.001	<0.001	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00057	<0.001	<0.003	<0.001	<0.001	0.0015 J	<0.001	<0.001	<0.001	<0.001
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	<0.001	<0.001	0.057	0.0006 J	<0.001	0.0006 J	<0.001
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.049	0.00052 J	0.0013	0.0028 J	<0.001
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0023	<0.001	0.019	<0.001	0.0006 J	0.0021	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0086	<0.001	0.064	<0.001	<0.001	<0.001	0.00053 J
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	**1.9**	<0.001	<0.001	<0.001	<0.001	0.0061	<0.001	<0.001	<0.001	<0.001
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	<0.00020	<0.00030	<0.00050	0.0012	<0.00020	0.0077	<0.00020	<0.00030	<0.00020	<0.00020
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	0.0071	<0.001	<0.001	<0.001	<0.001
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	0.0077	<0.001	<0.001	<0.001	<0.001
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	0.0032	<0.001	<0.001	<0.001	<0.001
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	0.0028	<0.001	<0.001	<0.001	<0.001

APPENDIX G

TABLE 2
GROUNDWATER ANALYTICAL DATA
13915 IH-45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP No. 1533

(all concentrations are in milligrams per liter [mg/L] or parts per million [ppm])

		RCRA Metals (EPA 6010B, 7471A)								TPH (TCEQ TX 1005)				PCBs (EPA 8082)	VOCs (EPA 8260B)										
SAMPLE ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Lead**	**Mercury**	**Selenium**	**Silver**	**TPH (C_6-C_{10})**	**TPH (C_{10}-C_{28})**	**TPH (C_{12}-C_{28})**	**TPH (C_{28}-C_{35})**	**PCBs**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Xylene**	**MTBE**	**Chloroform**	**cis-1,2-DCE**	**trans-1,2-DCE**	**PCE**	**TCE**	**Vinyl Chloride**
Assessment Level TIER 1 $^{GW}GW_{ing}$ Res.		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.12**	**0.98**	**0.98**	**0.98**	**0.98**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.24**	**0.24**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{GW}GW_{ing}$ Comm'l./Ind'l.[1]		**0.01**	**2.0**	**0.005**	**0.1**	**0.015**	**0.002**	**0.05**	**0.37**	**2.9**	**2.9**	**2.9**	**2.9**	**0.0005**	**0.005**	**1**	**0.7**	**10**	**0.73**	**0.73**	**0.07**	**0.1**	**0.005**	**0.005**	**0.002**
TIER 1 $^{Air}GW_{Inh-V}$ Comm'l/Ind'l.		--	--	--	--	--	**10**	--	--	**2500**	**10000**	**10000**	**10000**	**4.9**	**300**	**89000**	**42000**	**14000**	**6800**	**33**	**1700**	**1100**	**840**	**33**	**6.4**
CKMW-1	08/26/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.051	0.0011	**0.055**	**0.060**	<0.001
	8/26/2010 (Dup)	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.051	0.0011	**0.053**	**0.053**	<0.001
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	**0.110**	0.0020	**0.110**	**0.120**	<0.00019
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	0.002	<0.00014	0.040	<0.00022	**0.042**	**0.034**	<0.00019
	04/26/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00050	<0.00043	<0.00055	<0.0017	0.0178	<0.00064	**0.159**	0.0027	**0.138**	**0.112**	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00030	<0.00010	<0.00010	<0.00030	0.0120	<0.00010	**0.160**	0.0017	0.003	0.0025 J	0.00033
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	0.00036 J	0.0096	<0.001	**0.180**	0.0019	**0.009**	**0.0092**	0.0011
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0004 J	<0.001	0.006	<0.001	<0.001	<0.001	<0.001
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0004 J	<0.001	0.006	<0.001	<0.001	<0.001	<0.001
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.015	<0.001	**0.120**	0.0015	**0.027**	**0.028**	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	0.0054	<0.001	0.044	0.00039	**0.0058**	**0.008**	<0.001
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.00050	0.018	<0.001	**0.100**	0.0013	**0.018**	**0.027**	<0.001
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0049	<0.001	0.028	<0.001	0.002	0.0044	<0.001
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0043	<0.001	0.029	<0.001	<0.001	0.0013	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0009 J	<0.001	0.0062	<0.001	<0.001	<0.001	<0.001
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0015	<0.001	0.0057	<0.001	<0.001	<0.001	<0.001
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00020	<0.00020	<0.00030	<0.00050	0.0012	<0.00020	0.0052	<0.00020	<0.00030	<0.00020	<0.00020
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	<0.001
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	0.0021	<0.001	<0.001	<0.001	<0.001
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
CKMW-2	08/26/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	10/29/10	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0064	<0.0067	<0.0024	<0.0017	<0.009	<0.007	<0.0093	<0.0011	<0.0012	<0.0015	<0.0096
	01/27/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00013	<0.00013	<0.00048	<0.00035	<0.00018	<0.00014	<0.00019	<0.00022	<<0.00024	<0.0003	<0.00019
	4/26/2011 4	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	<0043	0.0094 J	<0.0017	<0.0073	<0.0064	<0.0056	<0.0045	<0.0091	<0.0052	<0.001
	08/18/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0003	0.0025	<0.00010	<0.00030	0.0004 J	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0003
	11/21/11	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0066	<0.001	<0.003	0.00072 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	02/23/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00056 J	<0.001	<0.003	0.00051 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	23-Feb-12†	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00050 J	<0.001	<0.003	0.00048 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	05/29/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0010	0.0057 J	<0.0010	<0.030	<0.0010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	08/21/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.0011	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	11/20/12	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	0.00076 J	<0.001	<0.001	<0.001	<0.001
	03/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	**1.10**	<0.001	<0.001	<0.001	<0.001	0.0044 J	<0.001	<0.001	<0.001	<0.001
	06/05/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.350	<0.001	<0.001	0.0045 J	<0.001	0.0035 J	<0.001	<0.001	<0.001	<0.001
	09/17/13	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.00064 J	<0.001	<0.001	0.0003 J	<0.001	0.0029	<0.001	<0.001	<0.001	<0.001
	02/17/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	0.170	<0.001	<0.001	<0.001	<0.001	0.0028	<0.001	<0.001	<0.001	<0.001
	05/29/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0002	<0.0002	<0.0003	<0.0005	<0.0002	<0.0002	0.0012	<0.0002	<0.0003	<0.0002	<0.0002
	08/20/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	0.0023	<0.001	<0.001	<0.001	<0.001
	11/21/14	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001
	03/04/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										
	06/02/15	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled per TCEQ Agreement										

Notes:

All groundwater samples were analyzed for VOCs by EPA 8260B. Only chemicals of concern detected above laboratory method detection limits were reported in this table.

Bold font indicates constituent detected above Tier 1 Protective Concentration Level (PCL)/Action Level

1 = TCEQ Texas Risk Reduction Program (TRRP) Tier 1 PCL for Groundwater at Commercial/Industrial Sites (Table III).
2 = MW-3 (7-31-04) and other wells (MW-5 through MW-12) sporadically contained carbon disulfide @ concentrations <0.0010 µg/L (Residential PCL is 2,400 ug/L).
3 = MW-7 (4/5/06) exhibited Chloromethane @ 0.84 µg/L and 1,1-Dichloroethane @ 0.15 µg/L (J).
4 = Wells MW-12 and CKMW-2 contained elevated methyl ethyl ketone (MEK) in the April 2011 event (1,150 and 2,980 ug/L) and CKMW-2 again in the May 2012 event (2,400 ug/L); MEK is not a COC for the site and is attributed to laboratory or sample contamination.
Data values not shown for common laboratory contaminants detected in some samples but not considered COCs for the Site (acetone, 2-butanone, 2-hexanone and 2-chloroethyl vinyl ether). All concentrations reported were below their respective Tier 1 Residential PCLs.
-- = Not Analyzed, Not Developed or Not Published
J = Laboratory estimated value between Sample Quantitation Limit and Method Quantitation Limit
MTBE = Methyl Tert Butyl Ether
DCE = Dichloroethylene
PCE = Tetrachloroethylene
TCE = Trichloroethylene
* Represents subsequent sampling events resulting from the unexpected presence/quantity of toluene detected in MW-14 on 11/21/11. Samples were taken both before (Pre) and after (Post) purging two well-volumes from MW-14.

† Represents values derived from the analysis of samples collected in unpreserved VOAs. Samples were simultaneously collected along with HCl-preserved VOAs. All samples collected after 2/23/12 event unpreserved uless othersise noted.

APPENDIX G

TABLE 3
SUMMARY OF GROUNDWATER ELEVATION DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP NO. 1533

Well I.D.	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Total Depth of Well (Ft.)	Well Screen Interval (Ft.)
MW-1	21-Feb-01	494.87	8.92	485.95	25.0	10 - 25
	22-May-01		7.65	487.22		
	11-Jul-02		8.05	486.82		
	20-Apr-04		4.65	490.22		
	29-Jul-04		4.88	489.99		
	15-Nov-04		7.84	487.03		
	13-Jan-05		6.61	488.26		
	30-Aug-06		8.01	486.86		
	12-Jun-07		5.92	488.95		
	9-Jan-08		5.74	489.13		
	1-May-08		5.21	489.66		
	20-Aug-08		7.02	487.85		
	19-Nov-08		7.09	487.78		
	16-Apr-09		7.48	487.39		
	6-Aug-09		8.58	486.29		
	27-Oct-09		7.47	487.40		
	20-Jan-10		5.48	489.39		
	13-Apr-10		5.42	489.45		
	30-Jul-10		5.10	489.77		
	29-Oct-10		8.19	486.68		
	27-Jan-11		7.90	486.97		
	26-Apr-11		9.04	485.83		
	18-Aug-11		11.42	483.45		
	21-Nov-11		12.69	482.18		
	23-Feb-12		8.70	486.17		
	29-May-12		8.90	485.97		
	21-Aug-12		9.09	485.78		
	20-Nov-12		11.38	483.49		
	5-Mar-13		10.36	484.51		
	5-Jun-13		11.22	483.65		
	6-Aug-13		11.38	483.49		
	17-Sep-13		12.48	482.39		
	17-Feb-14		9.28	485.59		
	29-May-14		8.21	486.66		
	20-Aug-14		8.11	486.76		
	21-Nov-14		8.76	486.11		
	4-Mar-15		6.82	488.05		
	2-Jun-15		3.06	491.81		
MW-2	21-Feb-01	494.50	8.25	486.25	25.0	10 - 25
	22-May-01		7.50	487.00		
	11-Jul-02	494.41	7.51	486.90		
	20-Apr-04		4.48	489.93		
	29-Jul-04		4.75	489.66		
	15-Nov-04		7.68	486.73		
	13-Jan-05		6.42	487.99		
	29-Aug-06		6.82	487.59		
	12-Jun-07		5.16	489.25		
	9-Jan-08		No Data	No Data		
	1-May-08		4.96	489.45		
	20-Aug-08		6.83	487.58		
	19-Nov-08		6.91	487.50		
	16-Apr-09		7.19	487.22		
	6-Aug-09		8.27	486.14		
	13-Apr-10		5.20	489.21		
	30-Jul-10		4.85	489.56		
	29-Oct-10		8.01	486.40		
	27-Jan-11		7.62	486.79		
	26-Apr-11		8.85	485.56		
	18-Aug-11		11.20	483.21		
	21-Nov-11		12.45	481.96		
	23-Feb-12		8.50	485.91		
	29-May-12		8.65	485.76		
	21-Aug-12		8.83	485.58		
	20-Nov-12		11.17	483.24		
	5-Mar-13		10.05	484.36		
	5-Jun-13		10.84	483.57		
	17-Feb-14		8.84	485.57		
	29-May-14		7.76	486.65		
	20-Aug-14		7.60	486.81		
	21-Nov-14		8.26	486.15		
	4-Mar-15		6.38	488.03		
	2-Jun-15		2.71	491.70		

APPENDIX G

TABLE 3
SUMMARY OF GROUNDWATER ELEVATION DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP NO. 1533

Well I.D.	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Total Depth of Well (Ft.)	Well Screen Interval (Ft.)
MW-3	21-Feb-01	493.52	8.56	484.96	25.0	10 - 25
	22-May-01		7.38	486.14		
	11-Jul-02		7.68	485.84		
	20-Apr-04		4.31	489.21		
	29-Jul-04		4.59	488.93		
	15-Nov-04		7.86	485.66		
	13-Jan-05		6.34	487.18		
	29-Aug-06		7.18	486.34		
	12-Jun-07		4.21	489.31		
	9-Jan-08		5.54	487.98		
	1-May-08		4.79	488.73		
	20-Aug-08		6.75	486.77		
	19-Nov-08		6.94	486.58		
	16-Apr-09		7.22	486.30		
	6-Aug-09		8.52	485.00		
	27-Oct-09		7.05	486.47		
	13-Apr-10		5.18	488.34		
	30-Jul-10		4.93	488.59		
	29-Oct-10		8.61	484.91		
	27-Jan-11		7.63	485.89		
	26-Apr-11		9.31	484.21		
	18-Aug-11		11.74	481.78		
	21-Nov-11		12.98	480.54		
	23-Feb-12		8.44	485.08		
	29-May-12		9.18	484.34		
	21-Aug-12		9.26	484.26		
	20-Nov-12		12.01	481.51		
	5-Mar-13		10.52	483.00		
	5-Jun-13		11.41	482.11		
	17-Feb-14		9.20	484.32		
	29-May-14		7.58	485.94		
	20-Aug-14		7.96	485.56		
	21-Nov-14		8.55	484.97		
	4-Mar-15		6.42	487.10		
	2-Jun-15		2.25	491.27		
MW-4	22-May-01	492.64	4.62	488.02	25.0	5 - 25
	11-Jul-02		4.70	487.94		
	20-Apr-04		2.01	490.63		
	29-Jul-04		2.36	490.28		
	15-Nov-04		4.89	487.75		
	13-Jan-05		3.84	488.80		
	29-Aug-06		3.96	488.68		
	12-Jun-07		2.23	490.41		
	9-Jan-08		3.13	489.51		
	1-May-08		2.61	490.03		
	20-Aug-08		3.67	488.97		
	19-Nov-08		4.15	488.49		
	16-Apr-09		4.47	488.17		
	6-Aug-09		5.39	487.25		
	27-Oct-09		4.00	488.64		
	20-Jan-10		2.74	489.90		
	13-Apr-10		2.89	489.75		
	30-Jul-10		1.85	490.79		
	29-Oct-10		4.98	487.66		
	27-Jan-11		4.48	488.16		
	26-Apr-11		5.72	486.92		
	18-Aug-11		7.80	484.84		
	21-Nov-11		9.12	483.52		
	23-Feb-12		5.63	487.01		
	29-May-12		5.50	487.14		
	21-Aug-12		5.40	487.24		
	20-Nov-12		7.59	485.05		
	5-Mar-13		6.90	485.74		
	5-Jun-13		7.53	485.11		
	6-Aug-13		7.67	484.97		
	17-Sep-13		8.73	483.91		
	17-Feb-14		5.82	486.82		
	29-May-14		4.85	487.79		
	20-Aug-14		4.79	487.85		
	21-Nov-14		4.96	487.68		
	4-Mar-15		3.76	488.88		
	2-Jun-15		0.73	491.91		

APPENDIX G

TABLE 3
SUMMARY OF GROUNDWATER ELEVATION DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP NO. 1533

Well I.D.	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Total Depth of Well (Ft.)	Well Screen Interval (Ft.)
MW-5	22-May-01	492.88	7.81	485.07	25.0	5 - 25
	11-Jul-02		7.72	485.16		
	20-Apr-04		4.38	488.50		
	29-Jul-04		4.92	487.96		
	15-Nov-04		8.02	484.86		
	13-Jan-05		6.11	486.77		
	29-Aug-06		7.31	485.57		
	12-Jun-07		4.55	488.33		
	9-Jan-08		5.69	487.19		
	1-May-08		4.71	488.17		
	20-Aug-08		6.58	486.30		
	19-Nov-08		6.98	485.90		
	16-Apr-09		7.15	485.73		
	6-Aug-09		8.77	484.11		
	27-Oct-09		6.64	486.24		
	13-Apr-10		5.21	487.67		
	30-Jul-10		4.80	488.08		
	29-Oct-10		9.13	483.75		
	27-Jan-11		7.58	485.30		
	26-Apr-11		8.60	484.28		
	18-Aug-11		12.25	480.63		
	21-Nov-11		12.96	479.92		
	23-Feb-12		8.23	484.65		
	29-May-12		9.55	483.33		
	21-Aug-12		9.35	483.53		
	20-Nov-12		12.41	480.47		
	5-Mar-13		10.62	482.26		
	5-Jun-13		11.36	481.52		
	17-Feb-14		8.87	484.01		
	29-May-14		7.07	485.81		
	20-Aug-14		7.76	485.12		
	21-Nov-14		8.21	484.67		
	4-Mar-15		6.08	486.80		
	2-Jun-15		2.18	490.70		
MW-6	22-May-01	493.25	7.37	485.88	25.0	5 - 25
	11-Jul-02		7.85	485.40		
	20-Apr-04		4.08	489.17		
	29-Jul-04		4.50	488.75		
	15-Nov-04		7.92	485.33		
	13-Jan-05		6.33	486.92		
	29-Aug-06		7.28	485.97		
	12-Jun-07		4.41	488.84		
	9-Jan-08		5.34	487.92		
	1-May-08		4.84	488.41		
	20-Aug-08		6.92	486.33		
	19-Nov-08		6.92	486.33		
	16-Apr-09		7.48	485.77		
	6-Aug-09		9.03	484.22		
	13-Apr-10		5.01	488.24		
	30-Jul-10		4.94	488.31		
	29-Oct-10		8.70	484.55		
	27-Jan-11		7.78	485.47		
	26-Apr-11		9.56	483.69		
	18-Aug-11		11.95	481.30		
	21-Nov-11		13.44	479.81		
	23-Feb-12		8.46	484.79		
	29-May-12		9.55	483.70		
	21-Aug-12		9.78	483.47		
	20-Nov-12		11.39	481.86		
	5-Mar-13		10.91	482.34		
	5-Jun-13		12.05	481.20		
	17-Feb-14		9.87	483.38		
	29-May-14		7.94	485.31		
	20-Aug-14		8.68	484.57		
	21-Nov-14		9.26	483.99		
	4-Mar-15		6.76	486.49		
	2-Jun-15		1.99	491.26		

APPENDIX G

TABLE 3
SUMMARY OF GROUNDWATER ELEVATION DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP NO. 1533

Well I.D.	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Total Depth of Well (Ft.)	Well Screen Interval (Ft.)
MW-7	22-May-01	492.33	7.85	484.48	25.0	5 - 25
	11-Jul-02		8.05	484.28		
	20-Apr-04		4.19	488.14		
	29-Jul-04		4.65	487.68		
	15-Nov-04		8.28	484.05		
	13-Jan-05		6.44	485.89		
	29-Aug-06		7.66	484.67		
	12-Jun-07		4.09	488.24		
	9-Jan-08		5.53	486.80		
	1-May-08		4.47	487.87		
	20-Aug-08		6.45	485.88		
	19-Nov-08		6.99	485.34		
	16-Apr-09		7.50	484.83		
	6-Aug-09		9.43	482.90		
	27-Oct-09		6.75	485.58		
	20-Jan-10		5.05	487.28		
	13-Apr-10		5.20	487.13		
	30-Jul-10		4.70	487.63		
	29-Oct-10		9.39	482.94		
	27-Jan-11		7.51	484.82		
	26-Apr-11		10.08	482.25		
	18-Aug-11		12.65	479.68		
	21-Nov-11		13.72	478.61		
	23-Feb-12		8.20	484.13		
	29-May-12		10.14	482.19		
	21-Aug-12		9.90	482.43		
	20-Nov-12		13.12	479.21		
	5-Mar-13		11.20	481.13		
	5-Jun-13		12.11	480.22		
	17-Sep-13		13.81	478.52		
	17-Feb-14		9.77	482.56		
	29-May-14		6.91	485.42		
	20-Aug-14		8.60	483.73		
	21-Nov-14		8.96	483.37		
	4-Mar-15		6.58	485.75		
	2-Jun-15		1.48	490.85		
MW-8	11-Jul-02	492.59	8.31	484.28	25.0	10 - 25
	20-Apr-04		4.58	488.01		
	29-Jul-04		5.57	487.02		
	15-Nov-04		8.50	484.09		
	13-Jan-05		5.59	487.00		
	29-Aug-06		7.75	484.84		
	12-Jun-07		4.67	487.92		
	9-Jan-08		5.95	486.64		
	1-May-08		4.91	487.68		
	20-Aug-08		6.73	485.86		
	19-Nov-08		7.26	485.33		
	16-Apr-09		7.41	485.18		
	6-Aug-09		9.46	483.13		
	27-Oct-09		6.32	486.27		
	13-Apr-10		5.61	486.98		
	30-Jul-10		4.79	487.80		
	29-Oct-10		9.98	482.61		
	27-Jan-11		7.62	484.97		
	26-Apr-11		10.21	482.38		
	18-Aug-11		12.39	480.20		
	21-Nov-11		13.29	479.30		
	23-Feb-12		8.20	484.39		
	29-May-12		10.55	482.04		
	21-Aug-12		9.80	482.79		
	20-Nov-12		13.19	479.40		
	5-Mar-13		10.62	481.97		
	5-Jun-13		11.69	480.90		
	17-Feb-14		8.92	483.67		
	29-May-14		6.58	486.01		
	20-Aug-14		8.09	484.50		
	21-Nov-14		8.33	484.26		
	4-Mar-15		6.04	486.55		
	2-Jun-15		2.44	490.15		

APPENDIX G

TABLE 3
SUMMARY OF GROUNDWATER ELEVATION DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP NO. 1533

Well I.D.	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Total Depth of Well (Ft.)	Well Screen Interval (Ft.)
MW-9	11-Jul-02	492.64	8.22	484.42	25.0	10 - 25
	20-Apr-04		4.48	488.16		
	29-Jul-04		5.12	487.52		
	15-Nov-04		8.58	484.06		
	13-Jan-05		6.48	486.16		
	29-Aug-06		7.74	484.90		
	12-Jun-07		4.41	488.23		
	9-Jan-08		5.85	486.79		
	1-May-08		4.59	488.05		
	20-Aug-08		6.52	486.12		
	19-Nov-08		7.24	485.40		
	16-Apr-09		7.59	485.05		
	6-Aug-09		9.51	483.13		
	27-Oct-09		6.67	485.97		
	20-Jan-10		5.37	487.27		
	13-Apr-10		5.46	487.18		
	30-Jul-10		4.89	487.75		
	29-Oct-10		9.72	482.92		
	27-Jan-11		7.60	485.04		
	26-Apr-11		10.23	482.41		
	18-Aug-11		12.65	479.99		
	21-Nov-11		13.70	478.94		
	23-Feb-12		8.42	484.22		
	29-May-12		10.29	482.35		
	21-Aug-12		9.83	482.81		
	20-Nov-12		13.29	479.35		
	5-Mar-13		11.25	481.39		
	5-Jun-13		12.00	480.64		
	17-Sep-13		13.68	478.96		
	17-Feb-14		9.53	483.11		
	29-May-14		6.76	485.88		
	20-Aug-14		8.39	484.25		
	21-Nov-14		8.75	483.89		
	4-Mar-15		6.45	486.19		
	2-Jun-15		1.93	490.71		
MW-10	11-Jul-02	493.33	7.00	486.33	25.0	10 - 25
	20-Apr-04		3.84	489.49		
	29-Jul-04		4.35	488.98		
	15-Nov-04		7.23	486.10		
	13-Jan-05		5.73	487.60		
	29-Aug-06		7.60	485.73		
	12-Jun-07		5.27	488.06		
	9-Jan-08		5.08	488.26		
	1-May-08		4.33	489.00		
	20-Aug-08		6.12	487.21		
	19-Nov-08		6.30	487.03		
	16-Apr-09		6.51	486.82		
	6-Aug-09		7.72	485.61		
	13-Apr-10		6.21	487.12		
	30-Jul-10		4.12	489.21		
	29-Oct-10		8.02	485.31		
	27-Jan-11		6.72	486.61		
	26-Apr-11		8.40	484.93		
	18-Aug-11		10.69	482.64		
	21-Nov-11		11.84	481.49		
	23-Feb-12		7.65	485.68		
	29-May-12		8.17	485.16		
	21-Aug-12		8.30	485.03		
	20-Nov-12		10.83	482.50		
	5-Mar-13		9.33	484.00		
	5-Jun-13		10.02	483.31		
	17-Feb-14		7.90	485.43		
	29-May-14		6.63	486.70		
	20-Aug-14		6.56	486.77		
	21-Nov-14		7.02	486.31		
	4-Mar-15		5.22	488.11		
	2-Jun-15		1.82	491.51		

APPENDIX G

TABLE 3
SUMMARY OF GROUNDWATER ELEVATION DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP NO. 1533

Well I.D.	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Total Depth of Well (Ft.)	Well Screen Interval (Ft.)
MW-11	11-Jul-02	494.12	8.18	485.94	36.0	31-36
	20-Apr-04		4.89	489.23		
	29-Jul-04		5.20	488.92		
	15-Nov-04		8.46	485.66		
	13-Jan-05		6.93	487.19		
	29-Aug-06		7.67	486.45		
	12-Jun-07		No Data			
	9-Jan-08		6.14	487.98		
	1-May-08		5.38	488.74		
	20-Aug-08		7.35	486.77		
	19-Nov-08		7.53	486.59		
	16-Apr-09		8.03	486.09		
	6-Aug-09		9.12	485.00		
	27-Oct-09		7.64	486.48		
	20-Jan-10		5.85	488.27		
	13-Apr-10		5.70	488.42		
	30-Jul-10		5.51	488.61		
	29-Oct-10		9.20	484.92		
	27-Jan-11		8.25	485.87		
	26-Apr-11		9.91	484.21		
	18-Aug-11		12.31	481.81		
	21-Nov-11		13.52	480.60		
	23-Feb-12		8.98	485.14		
	29-May-12		9.82	484.30		
	21-Aug-12		9.87	484.25		
	20-Nov-12		12.60	481.52		
	5-Mar-13		11.11	483.01		
	5-Jun-13		12.02	482.10		
	17-Feb-14		9.70	484.42		
	29-May-14		8.16	485.96		
	20-Aug-14		8.53	485.59		
	21-Nov-14		9.12	485.00		
	4-Mar-15		6.96	487.16		
	2-Jun-15		2.87	491.25		
MW-12	30-Aug-06	492.87	7.19	485.68	20.0	5-20
	12-Jun-07		4.08	488.79		
	9-Jan-08		5.28	487.59		
	1-May-08		4.60	488.28		
	20-Aug-08		6.66	486.21		
	19-Nov-08		6.81	486.06		
	16-Apr-09		7.23	485.64		
	6-Aug-09		8.94	483.93		
	27-Oct-09		7.02	485.85		
	20-Jan-10		4.95	487.92		
	13-Apr-10		4.94	487.93		
	30-Jul-10		4.81	488.06		
	29-Oct-10		8.77	484.10		
	27-Jan-11		7.54	485.33		
	26-Apr-11		9.50	483.37		
	18-Aug-11		12.15	480.72		
	21-Nov-11		13.30	479.57		
	23-Feb-12		8.20	484.67		
	29-May-12		9.49	483.38		
	21-Aug-12		9.62	483.25		
	20-Nov-12		12.36	480.51		
	5-Mar-13		10.77	482.10		
	5-Jun-13		11.83	481.04		
	6-Aug-13		12.17	480.70		
	17-Sep-13		13.35	479.52		
	17-Feb-14		9.60	483.27		
	29-May-14		7.54	485.33		
	20-Aug-14		8.37	484.50		
	21-Nov-14		8.95	483.92		
	4-Mar-15		6.53	486.34		
	2-Jun-15		1.79	491.08		

APPENDIX G

TABLE 3
SUMMARY OF GROUNDWATER ELEVATION DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP NO. 1533

Well I.D.	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Total Depth of Well (Ft.)	Well Screen Interval (Ft.)
MW-13	30-Aug-06	492.29	8.26	484.03	20.0	5-20
	12-Jun-07		4.65	487.64		
	9-Jan-08		6.03	486.26		
	1-May-08		4.52	487.78		
	20-Aug-08		6.97	485.33		
	19-Nov-08		7.45	484.84		
	16-Apr-09		7.88	484.41		
	6-Aug-09		10.06	482.23		
	27-Oct-09		7.10	485.19		
	20-Jan-10		5.51	486.78		
	13-Apr-10		5.66	486.63		
	30-Jul-10		5.10	487.19		
	29-Oct-10		10.05	482.24		
	27-Jan-11		7.89	484.40		
	26-Apr-11		10.69	481.60		
	18-Aug-11		13.24	479.05		
	21-Nov-11		14.16	478.13		
	23-Feb-12		8.45	483.84		
	29-May-12		10.75	481.54		
	21-Aug-12		10.32	481.97		
	20-Nov-12		13.75	478.54		
	5-Mar-13		11.72	480.57		
	5-Jun-13		12.46	479.83		
	17-Sep-13		14.31	477.98		
	17-Feb-14		10.13	482.16		
	29-May-14		6.77	485.52		
	20-Aug-14		8.96	483.33		
	21-Nov-14		9.29	483.00		
	4-Mar-15		6.91	485.38		
	2-Jun-15		1.67	490.62		
MW-14	27-Jan-11	492.45	8.18	484.27	25.0	5-25
	26-Apr-11		11.05	481.40		
	18-Aug-11		13.76	478.69		
	21-Nov-11		14.63	477.82		
	23-Feb-12		8.93	483.52		
	29-May-12		11.09	481.36		
	21-Aug-12		10.89	481.56		
	20-Nov-12		14.91	477.54		
	5-Mar-13		12.18	480.27		
	5-Jun-13		13.15	479.30		
	3-Aug-13		13.69	478.76		
	17-Sep-13		14.89	477.56		
	17-Feb-14		10.73	481.72		
	29-May-14		7.45	485.00		
	20-Aug-14		9.55	482.90		
	21-Nov-14		9.87	482.58		
	4-Mar-15		7.40	485.05		
	2-Jun-15		1.83	490.62		
CKMW-1	29-Oct-10	492.05	9.22	482.83	24.0	5-24
	27-Jan-11		7.42	484.63		
	26-Apr-11		9.95	482.10		
	18-Aug-11		12.59	479.46		
	21-Nov-11		13.60	478.45		
	23-Feb-12		8.02	484.03		
	29-May-12		10.01	482.04		
	21-Aug-12		9.80	482.25		
	20-Nov-12		12.90	479.15		
	5-Mar-13		11.09	480.96		
	5-Jun-13		12.03	480.02		
	6-Aug-13		12.54	479.51		
	17-Sep-13		13.69	478.36		
	17-Feb-14		9.65	482.40		
	29-May-14		6.60	485.45		
	20-Aug-14		8.53	483.52		
	21-Nov-14		8.74	483.31		
	4-Mar-15		6.42	485.63		
	2-Jun-15		1.21	490.84		

APPENDIX G

TABLE 3
SUMMARY OF GROUNDWATER ELEVATION DATA
13915 INTERSTATE 45 NORTH
HOUSTON, HARRIS COUNTY, TEXAS
VCP NO. 1533

Well I.D.	Date Gauged	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Total Depth of Well (Ft.)	Well Screen Interval (Ft.)
CKMW-2	29-Oct-10	492.29	9.81	482.48	24.0	5-24
	27-Jan-11		6.10	486.19		
	26-Apr-11		10.21	482.08		
	18-Aug-11		12.00	480.29		
	21-Nov-11		13.38	478.91		
	23-Feb-12		7.58	484.71		
	29-May-12		9.60	482.69		
	21-Aug-12		9.61	482.68		
	20-Nov-12		12.68	479.61		
	5-Mar-13		10.67	481.62		
	5-Jun-13		11.88	480.41		
	17-Sep-13		13.61	478.68		
	17-Feb-14		9.67	482.62		
	29-May-14		6.25	486.04		
	20-Aug-14		8.39	483.90		
	21-Nov-14		8.92	483.37		
	4-Mar-15		6.49	485.80		
	2-Jun-15		1.34	490.95		

Note: Top of PVC Surveyed relative to an arbitrary on-site benchmark (top of steel bollard at service bay door) on 2/20/01, 5/14/01 and 7/05/02. In order to avoid any semblance to an elevation established by an RPLS, the elevation of benchmark was set at 500' (actual MSL elevations are

Note: Groundwater elevation data for the sampling event conducted on March 13, 2006 was lost in the transfer of files from Delta to Giles.

JULY 13, 2015
LIMITED SITE INVESTIGATION REPORT

July 13, 2015

Matthew J. Smith
Executive Vice President
IndiGO Houston 13921 North Freeway, LLC
445 East Market Street, Suite 320
Louisville, Kentucky 40202

Tel: (502) 314-5996
Email: MSmith@indiGOautogroup.com

Re: ***Limited Site Investigation Report***
Former Mercedes North Houston Dealership
13915 Interstate 45 North
Houston, Harris County, Texas
Terracon Project 92157272

Dear Mr. Smith:

Terracon Consultants, Inc. (Terracon) is pleased to present this letter report for Limited Site Investigation (LSI) activities conducted at the Former Mercedes North Houston Dealership located at 13915 Interstate 45 North in Houston, Texas. A Site Vicinity Map that shows the site in relation to the surrounding area is included as Exhibit 1. The LSI was conducted in accordance with Terracon Proposal No. P92150904 dated May 26, 2015. The scope of work for this LSI was requested by the City of Houston during the pre-MSD application meeting on Tuesday, May 19th, and involved the installation of one soil boring to the east/northeast of on-site monitor well MW-1 to complete horizontal delineation of the on-site chlorinated solvent groundwater plume in support of a Municipal Setting Designation (MSD).

A. STANDARD OF CARE

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These LSI services were performed in accordance with the scope of work agreed with IndiGO Houston 13921 North Freeway, LLC, our Client, as reflected in our proposal and were not intended to be restricted by ASTM E1903-11.

B. ADDITIONAL SCOPE LIMITATIONS

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

C. RELIANCE

This report has been prepared for the exclusive use of IndiGO Houston 13921 North Freeway, LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of IndiGO Houston 13921 North Freeway, LLC and Terracon. Any unauthorized distribution or reuse is at the Client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, LSI report, and Terracon's Agreement for Services. The limitation of liability defined in Terracon's Agreement for Services is the aggregate limit of Terracon's liability to the Client and all relying parties unless otherwise agreed in writing.

D. FIELD ACTIVITIES

The LSI field activities were conducted on June 15, 2015. Gregg Pawlak of Terracon was present during the field activities to direct the work, log the boring and collect samples. One soil boring was advanced to the east/northeast of on-site monitor well MW-1 at the request of the City of Houston. The soil boring was completed as a temporary groundwater sampling point (TSP-1) to facilitate the collection of a groundwater sample to complete horizontal delineation of the on-site chlorinated solvent groundwater plume in support of a MSD. Figure 2 is a Site Plan that shows the location of the soil boring/temporary groundwater sampling point in relation to the pertinent structures and site boundaries. Photographs taken during the LSI are presented in Appendix A.

The soil boring was advanced utilizing a direct-push technology (DPT) rig under the supervision of a State of Texas licensed monitor well driller. Sampling equipment was decontaminated prior to commencement of the project and following the drilling of the soil boring using a nonphosphate detergent and potable water wash followed by a potable water rinse.

Soil cores were collected continuously from the surface to the maximum terminal depth of 20 feet bgs using 4-foot long sample barrels with acetate liners. The soil cores were examined in the field to document lithology, color, moisture content, and visual or olfactory evidence of impact. In addition, the samples were scanned with an organic vapor monitor (OVM) equipped with a photoionization detector (PID) to detect the presence of volatile organic vapors. The lithologies encountered generally consisted of clayey sand from near the surface to a depth of approximately 6 feet below ground surface (bgs). This clayey sand was underlain by a sandy clay that terminated at depth of 12 feet bgs. Beneath this sandy clay was a saturated clayey sand that extended to 15 feet bgs. This layer was underlain by a sandy clay that extended beyond the maximum terminal depth of 20 feet bgs. Groundwater was encountered within the saturated clayey sand from 12 to 15 feet bgs. Detailed lithological descriptions are presented on the soil boring logs included in Appendix B.

At the completion of drilling, the soil boring was converted to temporary groundwater sampling point TSP-1. The temporary groundwater sampling point consisted of 10 feet of 1.0-inch diameter polyvinyl chloride (PVC) well screen with 0.010-inch slots, a threaded bottom cap, and a sufficient length of 1.0-inch diameter PVC riser pipe to reach the surface.

After installation, TSP-1 was developed by removing groundwater with a peristaltic pump and dedicated plastic tubing until the purge water was relatively free of fine-grained sediment. A total of 1.5-gallons of purge water was removed from TSP-1 during development activities. Upon completion of sampling activities, the temporary groundwater sampling point was removed and the borehole abandoned in accordance with applicable regulations.

As discussed above, the soil cores recovered from TSP-1 were screened in the field for evidence of chemical impact such as chemical odors or PID readings. There was no evidence of chemical impact detected in the soil such as odors, staining or elevated PID readings. Therefore, soil cuttings, purge water and decontamination water generated during the investigation were returned to their respective boring location.

E. SAMPLING PROGRAM

After TSP-1 had been developed, the groundwater level within the temporary sampling point was allowed to stabilize before a groundwater sample was collected utilizing a peristaltic pump by Terracon personnel wearing clean, disposal gloves. The groundwater samples were placed in sterile, 40 milliliter glass VOA vials equipped with Teflon-lined caps provided by the analytical laboratory. The vials were filled to a positive meniscus, sealed and visually checked for the presence of air bubbles. The filled sample containers were labeled and placed on ice in an insulated cooler. The cooler was then submitted to TestAmerica Laboratories, Inc. in Houston, Texas, a State of Texas certified laboratory, where the groundwater sample was analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (EPA) Method 8260. Proper chain of custody documentation was maintained throughout the sampling process. Laboratory QA/QC procedures are included with the laboratory report.

F. ANALYTICAL RESULTS

Analytical results for groundwater collected during the LSI were compared to Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 Residential groundwater ingestion exposure pathway ($^{GW}GW_{Ing}$) protective concentration levels (PCLs). Detectable concentrations of contaminants in the groundwater sample collected at the site are summarized below.

- VOC constituents were not detected in the groundwater sample at concentrations above sample detection limits (SDLs).

Groundwater analytical results have been summarized in Table 1. A copy of the analytical reports and chain-of-custody forms are included in Appendix C.

G. CONCLUSIONS

Assessment activities performed by Terracon at the site on June 15, 2015 indicated that no chemicals of concern were detected in on-site groundwater from TSP-1 at concentrations above SDLs. Therefore, the horizontal delineation of the on-site chlorinated solvent groundwater plume has been completed as requested by the City of Houston on May 19, 2015. Based on results of this LSI, no further actions/investigations regarding the horizontal delineation of the on-site chlorinated solvent groundwater plume in support of an MSD appear warranted.

We appreciate the opportunity to perform these services for this project. If you should have any questions or comments regarding this report, please contact either of the undersigned at 713-690-8989.

Sincerely,
Terracon Consultants, Inc.

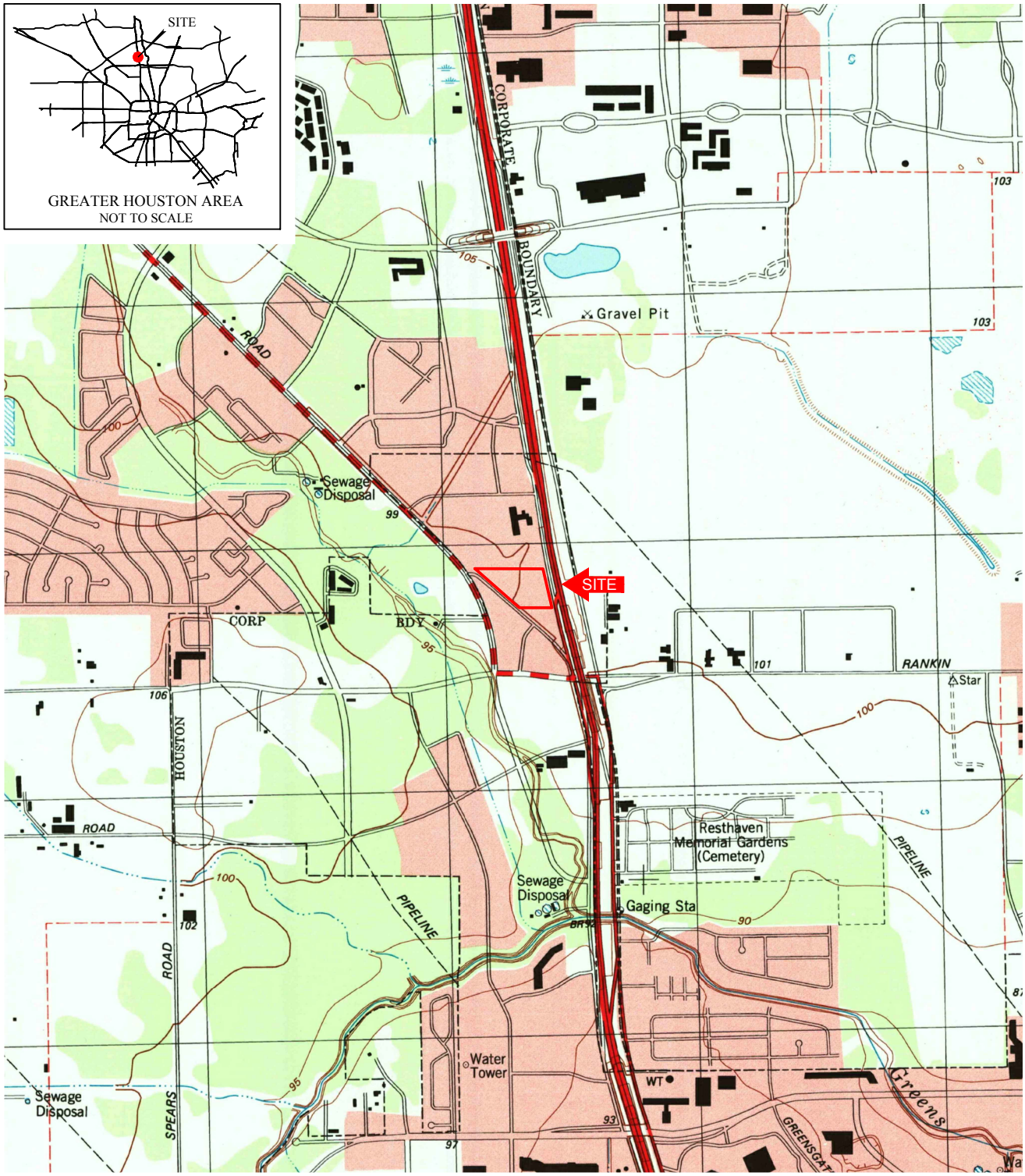
Gregg Pawlak
Senior Project Environmental Scientist

Prasad Rajulu, P.E.
Site Investigations Group Manager

Attachments: Exhibit 1 – Site Vicinity Map
Exhibit 2 – Site Plan
Table 1 – Groundwater Analytical Results
Appendix A: Photographs
Appendix B: Boring Logs
Appendix C: Analytical Laboratory Report

FIGURES

EXHIBIT 1 – SITE VICINITY MAP
EXHIBIT 2 – SITE PLAN



USGS TOPOGRAPHIC QUADRANGLE MAP

Aldine, Texas

Terracon
Consulting Engineers & Scientists

Revised: 1995

APPROXIMATE SCALE 1"= 2000'

0 1000' 2000'

N

Former Mercedes North Houston MSD Application
13915 Interstate 45 North
Houston, Texas

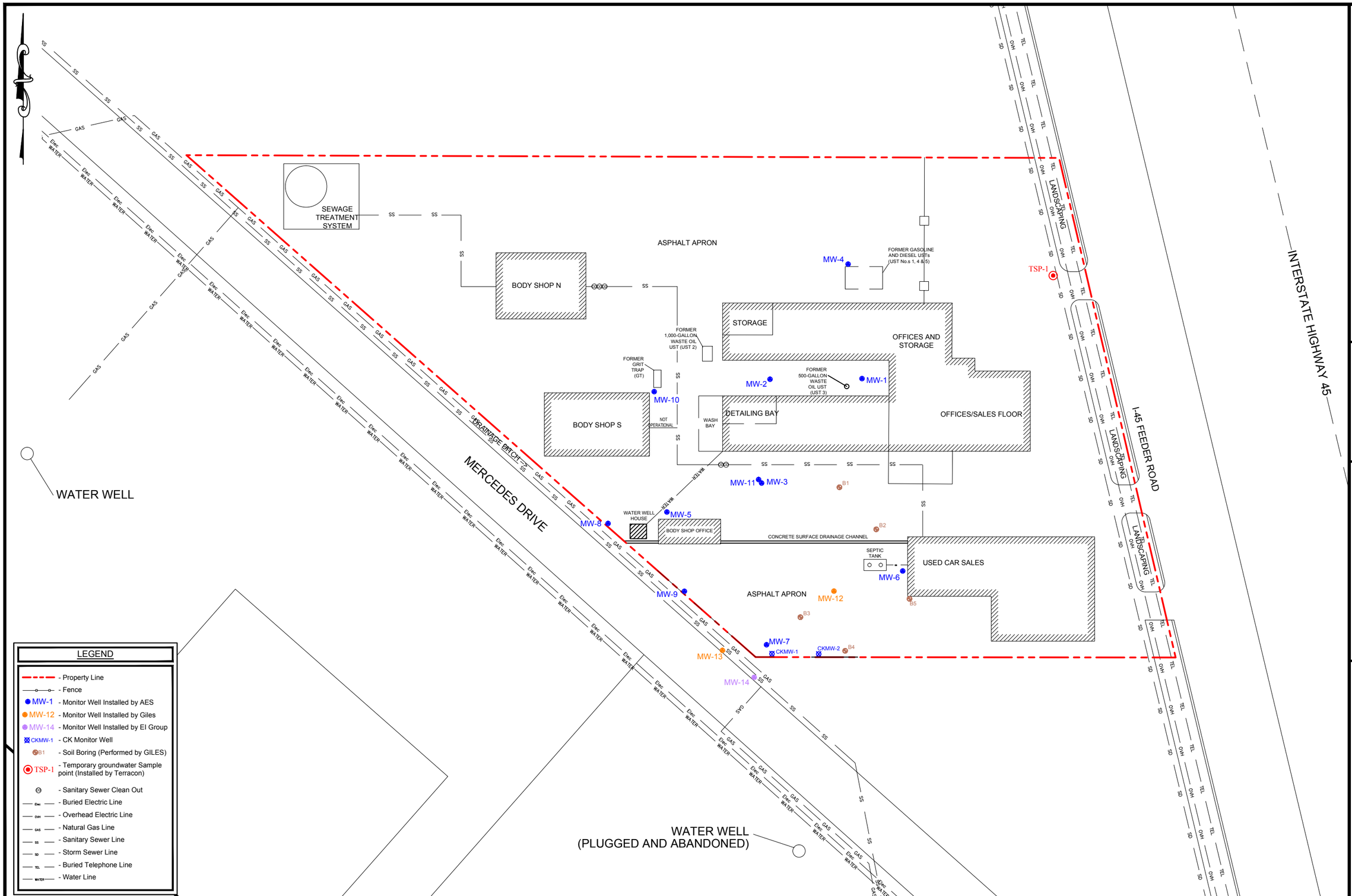
TERRACON PROJECT NO. 92157272

Prepared By: BEW

Approved By: GAP

EXHIBIT 1:
SITE VICINITY MAP

N:\ENV\dox\2015\Drafting\92157272\aerials_topo\92157272 Topo.dwg : 1995 Aldine



N:\ENV\2015\Drafting\92157272\MSD 2015\92157272 Site Plan.dwg : TSP Location

Exhibit 2
Temporary Sample Point Location
MSD Application
13915 Interstate 45 North
Houston, Texas

DRAWN BY:	BEW
CHECKED BY:	GAP
SCALE:	AS SHOWN
DATE:	10/29/2015

Terracon
Consulting Engineers & Scientists

TERRACON NO: 92157272

TABLES

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Table 1
Groundwater Analytical Results
Former Mercedes North Houston Dealership
13915 Interstate 45 North
Houston, Harris County, Texas
Terracon Project # 92157272

Location ID	Sample Date	Reporting Units	VOCs (EPA 8260)											
			Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Methyl tert-butyl ether	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total	m-Xylene & p-Xylene	o-Xylene
TSP-1	6/15/2015	mg/L	<0.000380	<0.00050	<0.00050	<0.000740	<0.000580	<0.00070	<0.00050	<0.00050	<0.00050	<0.00060	<0.00160	<0.000600
Tier 1 Residential $^{GW}GW_{Ing}$ PCL			0.005	0.070	0.70	0.24	0.005	1.0	0.10	0.005	0.002	10	10	10

Notes:
All chemicals of concern concentrations reported in milligrams per liter (mg/L)
PCL = Protective Concentration Level
J = Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
VOCs = volatile organic compounds
EPA = United States Environmental Protect Agency
TCEQ = Texas Commission on Environmental Quality
BOLD = Indicates result exceeds laboratory method detection limits.

APPENDIX A

PHOTOGRAPHS

Photo 1 Location of temporary sampling point TSP-1 facing north.

Photo 2 Hand-probing of boring location TSP-1 to 5 feet bgs facing south.

Photo 3 Direct-push of boring TSP-1 to 20 feet bgs facing northwest.

Photo 4 View of TSP-1 following installation.

Photo 5 Patching of boring TSP-1 following removal of temporary well and plugging of boring with bentonite/original cuttings.

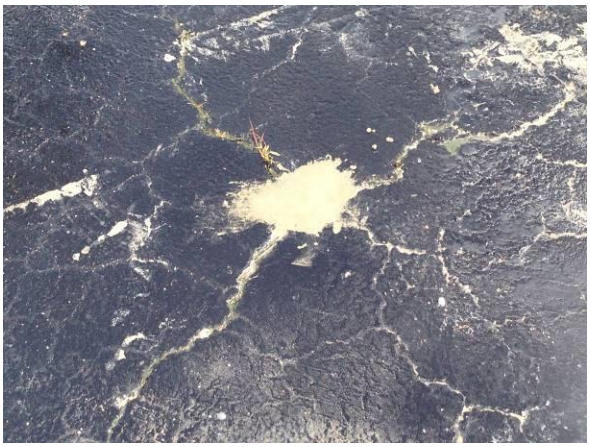


Photo 6 View of boring TSP-1 surface completion.

APPENDIX B

BORING LOGS

SOIL BORING / MONITOR WELL LOG

PROJECT: Former Mercedes North Houston Dealership
PROJECT NUMBER: 92157272
CLIENT: IndiGO Auto Group Texas
BORING / WELL NUMBER: TSP-1
TOTAL DEPTH: 20.0'
SURFACE ELEVATION: Not Determined
SUPERVISOR: Gregg Pawlak

DRILLING COMPANY: Best Drilling
DRILLER: Calistro C.
DRILLING METHOD: DPT
BORE HOLE DIAMETER: 2"
SCREEN: Diam. 1" Length 10' Slot Size 0.01"
CASING: Diam. 1" Length 10' Type PVC
DATE DRILLED: 6-15-15

DEPTH (FT)	PID (PPM)	SAMPLE TYPE	PERCENT RECOVERY, %	DESCRIPTION OF STRATUM (Name (Sym.), Color, Water Content, Plasticity, Density, Gradation, Grain Size, Observations)	DEPTH (FT)
0					0
	1.6			ASPHALT 0.25	
	0.9		100	SAND - slightly clayey, fine-grained, damp, gray-tan	
	1.0				
5					5
	0.8		100	6	
				SANDY CLAY - stiff, damp, gray-tan, small iron nodules lightly throughout (6 to 10')	
	1.6				
10	1.5		100		10
	1.5			12	
				CLAYEY SAND - wet, plastic, gray with tan mottling, fine-grained	
	1.5		100		
15				15	15
	1.3			SANDY CLAY - stiff, damp, orange with tan and gray mottling	
	1.8		100		
20				20	20
				Boring terminated at 20 feet bgs.	
25					25
30					30

REMARKS:
This log should not be used separately from the original report.

Terracon

ENVLOG1 - DEC 07 92157272.GPJ 7/13/15

APPENDIX C

ANALYTICAL LABORATORY REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-113262-1
Client Project/Site: Former Mercedes N. Dealership

For:
Terracon Consulting Eng & Scientists
11555 Clay Road
Suite 100
Houston, Texas 77043

Attn: Mr. Prasad Rajulu

Authorized for release by:
6/22/2015 3:35:26 PM
Donnie Combs, Project Management Assistant I
(713)690-4444
donnie.combs@testamericainc.com

Designee for

Dean Joiner, Project Manager II
(713)690-4444
dean.joiner@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
TRRP Checklists & DCSs 3
Case Narrative 11
Method Summary 12
Sample Summary 13
Client Sample Results 14
Definitions/Glossary 15
Surrogate Summary 16
QC Sample Results 17
Default Detection Limits 19
QC Association Summary 20
Lab Chronicle 21
Certification Summary 22
Chain of Custody 23
Receipt Checklists 26

Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for TestAmerica Houston job number 600-113262-1 and consists of:

- ☑ R1 - Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- ☑ R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- ☐ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- ☑ R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Donnie Combs, for Dean Joiner	Donnie Combs	6/22/2015
Name (printed)	Signature	Date

Project Manager II
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	6/22/2015
Project Name:	Former Mercedes N. Dealership	Laboratory Job Number:	600-113262-1
Reviewer Name:	Donnie Combs, for Dean Joiner		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	6/22/2015
Project Name:	Former Mercedes N. Dealership	Laboratory Job Number:	600-113262-1
Reviewer Name:	Donnie Combs, for Dean Joiner		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	6/22/2015
Project Name:	Former Mercedes N. Dealership	Laboratory Job Number:	600-113262-1
Reviewer Name:	Donnie Combs, for Dean Joiner		

ER #[1]	Description

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client Sample ID	Analysis Method	Analysis Date	Analyte	Result	Unit	RL	MDL	Spike Amount
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,1,1,2-Tetrachloroethane	0.0042	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,1,1-Trichloroethane	0.0051	mg/Kg	0.005	0.0011	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,1,2,2-Tetrachloroethane	0.0047	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,1,2-Trichloroethane	0.0049	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,1-Dichloroethane	0.0051	mg/Kg	0.005	0.00083	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,1-Dichloroethene	0.0053	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,1-Dichloropropene	0.0049	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,2,3-Trichlorobenzene	0.0042	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,2,3-Trichloropropane	0.0047	mg/Kg	0.005	0.003	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,2,4-Trichlorobenzene	0.0039	mg/Kg	0.005	0.002	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,2,4-Trimethylbenzene	0.0037	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,2-Dibromo-3-Chloropropane	0.0036	mg/Kg	0.005	0.0033	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,2-Dichlorobenzene	0.0043	mg/Kg	0.005	0.00071	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,2-Dichloroethane	0.0051	mg/Kg	0.005	0.00082	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,2-Dichloropropane	0.0049	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,3,5-Trimethylbenzene	0.0037	mg/Kg	0.005	0.00083	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,3-Dichlorobenzene	0.0042	mg/Kg	0.005	0.00095	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,3-Dichloropropane	0.0045	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	1,4-Dichlorobenzene	0.0041	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	2,2-Dichloropropane	0.0045	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	2-Chlorotoluene	0.0041	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	2-Hexanone	0.017	mg/Kg	0.025	0.005	0.02
DCS Solid Q1-2015	8260B	2/4/2015 15:26	4-Chlorotoluene	0.004	mg/Kg	0.005	0.00098	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Acetone	0.019	mg/Kg	0.025	0.0073	0.02
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Benzene	0.005	mg/Kg	0.005	0.0011	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Bromobenzene	0.0045	mg/Kg	0.005	0.0013	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Bromochloromethane	0.0052	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Bromodichloromethane	0.0046	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Bromoform	0.0043	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Bromomethane	0.0047	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Carbon disulfide	0.0044	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Carbon tetrachloride	0.0048	mg/Kg	0.005	0.0017	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Chlorobenzene	0.0045	mg/Kg	0.005	0.00052	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Chloroethane	0.0054	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Chloroform	0.0053	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Chloromethane	0.0047	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	cis-1,2-Dichloroethene	0.005	mg/Kg	0.005	0.00076	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	cis-1,3-Dichloropropene	0.0042	mg/Kg	0.005	0.0012	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Dibromochloromethane	0.0039	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Dibromomethane	0.0048	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Dichlorodifluoromethane	0.0039	mg/Kg	0.005	0.0013	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Ethylbenzene	0.0042	mg/Kg	0.005	0.00061	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Ethylene Dibromide	0.0045	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Ethylene oxide	0.012	mg/Kg	0.025	0.02	0.0125
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Hexachlorobutadiene	0.0034	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Iodomethane	0.004	mg/Kg	0.005	0.0034	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Isopropyl ether	0.0049	mg/Kg	0.005	0.00055	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Isopropylbenzene	0.0038	mg/Kg	0.005	0.00068	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Methyl Ethyl Ketone	0.017	mg/Kg	0.025	0.006	0.02
DCS Solid Q1-2015	8260B	2/4/2015 15:26	methyl isobutyl ketone	0.018	mg/Kg	0.025	0.005	0.02
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Methyl tert-butyl ether	0.005	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Methylene Chloride	0.0052	mg/Kg	0.015	0.01	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	m-Xylene & p-Xylene	0.004	mg/Kg	0.005	0.0013	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Naphthalene	0.0036	mg/Kg	0.005	0.002	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	n-Butylbenzene	0.0034	mg/Kg	0.005	0.00096	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	N-Propylbenzene	0.0036	mg/Kg	0.005	0.0009	0.005

DCS Solid Q1-2015	8260B	2/4/2015 15:26	o-Xylene	0.004	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	p-Cymene	0.0033	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	sec-Butylbenzene	0.0034	mg/Kg	0.005	0.00095	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Styrene	0.004	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	tert-Butylbenzene	0.0038	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Tetrachloroethene	0.0049	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Toluene	0.0045	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	trans-1,2-Dichloroethene	0.0052	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	trans-1,3-Dichloropropene	0.0037	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Trichloroethene	0.0049	mg/Kg	0.005	0.001	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Trichlorofluoromethane	0.0053	mg/Kg	0.005	0.0025	0.005
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Vinyl acetate	0.0079	mg/Kg	0.025	0.0091	0.01
DCS Solid Q1-2015	8260B	2/4/2015 15:26	Vinyl chloride	0.0047	mg/Kg	0.005	0.0025	0.005
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,1,1,2-Tetrachloroethane	0.00093	mg/L	0.001	0.00052	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,1,1-Trichloroethane	0.00092	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,1,2,2-Tetrachloroethane	0.001	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,1,2-Trichloroethane	0.0009	mg/L	0.005	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,1-Dichloroethane	0.00095	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,1-Dichloroethene	0.0011	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,1-Dichloropropene	0.001	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,2,3-Trichlorobenzene	0.0011	mg/L	0.001	0.0007	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,2,3-Trichloropropane	0.00095	mg/L	0.005	0.00084	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,2,4-Trichlorobenzene	0.0011	mg/L	0.001	0.00082	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,2,4-Trimethylbenzene	0.00086	mg/L	0.001	0.00082	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,2-Dibromo-3-Chloropropane	0.00079	mg/L	0.005	0.0015	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,2-Dichlorobenzene	0.0011	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,2-Dichloroethane	0.0011	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,2-Dichloropropane	0.001	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,3,5-Trimethylbenzene	0.00092	mg/L	0.001	0.00056	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,3-Dichlorobenzene	0.0011	mg/L	0.001	0.00054	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,3-Dichloropropane	0.0009	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	1,4-Dichlorobenzene	0.0012	mg/L	0.001	0.00064	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	2,2-Dichloropropane	0.00097	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	2-Chlorotoluene	0.00098	mg/L	0.001	0.00057	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	2-Hexanone	0.0036	mg/L	0.025	0.0031	0.004
DCS Water Q1-2015	8260B	2/4/2015 14:31	4-Chlorotoluene	0.00098	mg/L	0.001	0.00056	0.001

DCS Water Q1-2015	8260B	2/4/2015 14:31	Acetone	0.0027	mg/L	0.025	0.01	0.004
DCS Water Q1-2015	8260B	2/4/2015 14:31	Benzene	0.0011	mg/L	0.001	0.00038	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Bromobenzene	0.0011	mg/L	0.001	0.00054	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Bromochloromethane	0.0011	mg/L	0.001	0.00052	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Bromodichloromethane	0.00089	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Bromoform	0.00095	mg/L	0.005	0.00071	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Bromomethane	0.0005	mg/L	0.001	0.00098	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Carbon disulfide	0.00093	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Carbon tetrachloride	0.00097	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Chlorobenzene	0.0011	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Chloroethane	0.0011	mg/L	0.001	0.00076	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Chloroform	0.0011	mg/L	0.001	0.0006	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Chloromethane	0.00092	mg/L	0.001	0.00083	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	cis-1,2-Dichloroethene	0.0011	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	cis-1,3-Dichloropropene	0.00076	mg/L	0.005	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Dibromochloromethane	0.00079	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Dibromomethane	0.00099	mg/L	0.005	0.00059	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Dichlorodifluoromethane	0.0011	mg/L	0.001	0.00085	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Ethylbenzene	0.00095	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Ethylene Dibromide	0.00094	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Ethylene oxide	0.0051	mg/L	0.025	0.02	0.0025
DCS Water Q1-2015	8260B	2/4/2015 14:31	Hexachlorobutadiene	0.001	mg/L	0.005	0.0009	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Iodomethane	0.0005	mg/L	0.001	0.00068	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Isopropyl ether	0.00097	mg/L	0.001	0.0007	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Isopropylbenzene	0.00086	mg/L	0.001	0.00053	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Methyl Ethyl Ketone	0.0031	mg/L	0.025	0.0026	0.004
DCS Water Q1-2015	8260B	2/4/2015 14:31	methyl isobutyl ketone	0.0034	mg/L	0.025	0.0018	0.004
DCS Water Q1-2015	8260B	2/4/2015 14:31	Methyl tert-butyl ether	0.001	mg/L	0.001	0.00074	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Methylene Chloride	0.0011	mg/L	0.005	0.003	0.001

DCS Water Q1-2015	8260B	2/4/2015 14:31	m-Xylene & p-Xylene	0.00096	mg/L	0.005	0.0016	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Naphthalene	0.001	mg/L	0.001	0.001	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	n-Butylbenzene	0.00093	mg/L	0.001	0.00076	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	N-Propylbenzene	0.00097	mg/L	0.001	0.00069	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	o-Xylene	0.001	mg/L	0.005	0.0006	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	p-Cymene	0.00084	mg/L	0.001	0.00071	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	sec-Butylbenzene	0.00088	mg/L	0.001	0.0007	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Styrene	0.00086	mg/L	0.001	0.001	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	tert-Butylbenzene	0.00091	mg/L	0.001	0.00063	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Tetrachloroethene	0.0011	mg/L	0.001	0.00058	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Toluene	0.001	mg/L	0.001	0.0007	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	trans-1,2-Dichloroethene	0.001	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	trans-1,3-Dichloropropene	0.00074	mg/L	0.005	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Trichloroethene	0.001	mg/L	0.001	0.0005	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Trichlorofluoromethane	0.001	mg/L	0.001	0.00052	0.001
DCS Water Q1-2015	8260B	2/4/2015 14:31	Vinyl acetate	0.0012	mg/L	0.025	0.002	0.002
DCS Water Q1-2015	8260B	2/4/2015 14:31	Vinyl chloride	0.0009	mg/L	0.001	0.0005	0.001

Job ID: 600-113262-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-113262-1

Comments
No additional comments.

Receipt
The sample was received on 6/15/2015 1:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Former Mercedes N. Dealership

TestAmerica Job ID: 600-113262-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Former Mercedes N. Dealership

TestAmerica Job ID: 600-113262-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-113262-1	TSP-1	Water	06/15/15 09:18	06/15/15 13:00

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Former Mercedes N. Dealership

TestAmerica Job ID: 600-113262-1

Client Sample ID: TSP-1

Date Collected: 06/15/15 09:18
Date Received: 06/15/15 13:00

Lab Sample ID: 600-113262-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000380	U	0.00100	0.000380	mg/L			06/20/15 15:36	1
cis-1,2-Dichloroethene	0.000500	U	0.00100	0.000500	mg/L			06/20/15 15:36	1
Ethylbenzene	0.000500	U	0.00100	0.000500	mg/L			06/20/15 15:36	1
Methyl tert-butyl ether	0.000740	U	0.00100	0.000740	mg/L			06/20/15 15:36	1
m-Xylene & p-Xylene	0.00160	U	0.00500	0.00160	mg/L			06/20/15 15:36	1
o-Xylene	0.000600	U	0.00500	0.000600	mg/L			06/20/15 15:36	1
Tetrachloroethene	0.000580	U	0.00100	0.000580	mg/L			06/20/15 15:36	1
Toluene	0.000700	U	0.00100	0.000700	mg/L			06/20/15 15:36	1
trans-1,2-Dichloroethene	0.000500	U	0.00100	0.000500	mg/L			06/20/15 15:36	1
Trichloroethene	0.000500	U	0.00100	0.000500	mg/L			06/20/15 15:36	1
Vinyl chloride	0.000500	U	0.00100	0.000500	mg/L			06/20/15 15:36	1
Xylenes, Total	0.000600	U	0.00500	0.000600	mg/L			06/20/15 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*67 - 134*		*06/20/15 15:36*	*1*
4-Bromofluorobenzene	*90*		*78 - 118*		*06/20/15 15:36*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*06/20/15 15:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/20/15 15:36*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Former Mercedes N. Dealership

TestAmerica Job ID: 600-113262-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	**Client Sample ID**	**(67-134)**	**(78-118)**	**(81-121)**	**(80-120)**
400-106755-A-1 MS	Matrix Spike	124	104	98	103
400-106755-A-1 MSD	Matrix Spike Duplicate	120	103	101	111
600-113262-1	TSP-1	126	90	108	99
LCS 400-261829/1002	Lab Control Sample	119	107	98	110
MB 400-261829/4	Method Blank	119	88	104	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-261829/4
Matrix: Water
Analysis Batch: 261829

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000380	U	0.00100	0.000380	mg/L			06/20/15 12:34	1
cis-1,2-Dichloroethene	0.000500	U	0.00100	0.000500	mg/L			06/20/15 12:34	1
Ethylbenzene	0.000500	U	0.00100	0.000500	mg/L			06/20/15 12:34	1
Methyl tert-butyl ether	0.000740	U	0.00100	0.000740	mg/L			06/20/15 12:34	1
m-Xylene & p-Xylene	0.00160	U	0.00500	0.00160	mg/L			06/20/15 12:34	1
o-Xylene	0.000600	U	0.00500	0.000600	mg/L			06/20/15 12:34	1
Tetrachloroethene	0.000580	U	0.00100	0.000580	mg/L			06/20/15 12:34	1
Toluene	0.000700	U	0.00100	0.000700	mg/L			06/20/15 12:34	1
trans-1,2-Dichloroethene	0.000500	U	0.00100	0.000500	mg/L			06/20/15 12:34	1
Trichloroethene	0.000500	U	0.00100	0.000500	mg/L			06/20/15 12:34	1
Vinyl chloride	0.000500	U	0.00100	0.000500	mg/L			06/20/15 12:34	1
Xylenes, Total	0.000600	U	0.00500	0.000600	mg/L			06/20/15 12:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*67 - 134*		*06/20/15 12:34*	*1*
4-Bromofluorobenzene	*88*		*78 - 118*		*06/20/15 12:34*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*06/20/15 12:34*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/20/15 12:34*	*1*

Lab Sample ID: LCS 400-261829/1002
Matrix: Water
Analysis Batch: 261829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.04644		mg/L		93	70 - 130
cis-1,2-Dichloroethene	0.0500	0.04953		mg/L		99	68 - 130
Ethylbenzene	0.0500	0.05522		mg/L		110	70 - 130
Methyl tert-butyl ether	0.0500	0.04217		mg/L		84	66 - 130
m-Xylene & p-Xylene	0.0500	0.05409		mg/L		108	70 - 130
o-Xylene	0.0500	0.05136		mg/L		103	70 - 130
Tetrachloroethene	0.0500	0.05259		mg/L		105	65 - 130
Toluene	0.0500	0.05515		mg/L		110	70 - 130
trans-1,2-Dichloroethene	0.0500	0.04506		mg/L		90	70 - 130
Trichloroethene	0.0500	0.04701		mg/L		94	70 - 130
Vinyl chloride	0.0500	0.04530		mg/L		91	59 - 136
Xylenes, Total	0.100	0.1055		mg/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*67 - 134*
4-Bromofluorobenzene	*107*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*110*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-106755-A-1 MS
Matrix: Water
Analysis Batch: 261829

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000380	U	0.0500	0.04436		mg/L		89	56 - 142
cis-1,2-Dichloroethene	0.000500	U	0.0500	0.04692		mg/L		94	59 - 143
Ethylbenzene	0.000500	U	0.0500	0.04739		mg/L		95	58 - 131
Methyl tert-butyl ether	0.000740	U	0.0500	0.03949		mg/L		79	59 - 137
m-Xylene & p-Xylene	0.00160	U	0.0500	0.04896		mg/L		98	57 - 130
o-Xylene	0.000600	U	0.0500	0.04608		mg/L		92	61 - 130
Tetrachloroethene	0.000580	U	0.0500	0.04883		mg/L		98	52 - 133
Toluene	0.000700	U	0.0500	0.05059		mg/L		101	65 - 130
trans-1,2-Dichloroethene	0.000500	U	0.0500	0.04209		mg/L		84	61 - 143
Trichloroethene	0.000500	U	0.0500	0.04316		mg/L		86	64 - 136
Vinyl chloride	0.000500	U	0.0500	0.04251		mg/L		85	46 - 152
Xylenes, Total	0.000600	U	0.100	0.09504		mg/L		95	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*124*		*67 - 134*
4-Bromofluorobenzene	*104*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 400-106755-A-1 MSD
Matrix: Water
Analysis Batch: 261829

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000380	U	0.0500	0.04842		mg/L		97	56 - 142	9	30
cis-1,2-Dichloroethene	0.000500	U	0.0500	0.05102		mg/L		102	59 - 143	8	30
Ethylbenzene	0.000500	U	0.0500	0.05102		mg/L		102	58 - 131	7	30
Methyl tert-butyl ether	0.000740	U	0.0500	0.04404		mg/L		88	59 - 137	11	30
m-Xylene & p-Xylene	0.00160	U	0.0500	0.05320		mg/L		106	57 - 130	8	30
o-Xylene	0.000600	U	0.0500	0.05063		mg/L		101	61 - 130	9	30
Tetrachloroethene	0.000580	U	0.0500	0.05040		mg/L		101	52 - 133	3	30
Toluene	0.000700	U	0.0500	0.05564		mg/L		111	65 - 130	10	30
trans-1,2-Dichloroethene	0.000500	U	0.0500	0.04654		mg/L		93	61 - 143	10	30
Trichloroethene	0.000500	U	0.0500	0.04665		mg/L		93	64 - 136	8	30
Vinyl chloride	0.000500	U	0.0500	0.04752		mg/L		95	46 - 152	11	30
Xylenes, Total	0.000600	U	0.100	0.1038		mg/L		104	59 - 130	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*120*		*67 - 134*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*111*		*80 - 120*

Unadjusted Detection Limits

Client: Terracon Consulting Eng & Scientists
Project/Site: Former Mercedes N. Dealership

TestAmerica Job ID: 600-113262-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
Benzene	0.00100	0.000380	mg/L	8260B
cis-1,2-Dichloroethene	0.00100	0.000500	mg/L	8260B
Ethylbenzene	0.00100	0.000500	mg/L	8260B
Methyl tert-butyl ether	0.00100	0.000740	mg/L	8260B
m-Xylene & p-Xylene	0.00500	0.00160	mg/L	8260B
o-Xylene	0.00500	0.000600	mg/L	8260B
Tetrachloroethene	0.00100	0.000580	mg/L	8260B
Toluene	0.00100	0.000700	mg/L	8260B
trans-1,2-Dichloroethene	0.00100	0.000500	mg/L	8260B
Trichloroethene	0.00100	0.000500	mg/L	8260B
Vinyl chloride	0.00100	0.000500	mg/L	8260B
Xylenes, Total	0.00500	0.000600	mg/L	8260B

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Former Mercedes N. Dealership

TestAmerica Job ID: 600-113262-1

GC/MS VOA

Analysis Batch: 261829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-106755-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
400-106755-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
600-113262-1	TSP-1	Total/NA	Water	8260B	
LCS 400-261829/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-261829/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Former Mercedes N. Dealership

TestAmerica Job ID: 600-113262-1

Client Sample ID: TSP-1

Date Collected: 06/15/15 09:18
Date Received: 06/15/15 13:00

Lab Sample ID: 600-113262-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	261829	06/20/15 15:36	WPD	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Former Mercedes N. Dealership

TestAmerica Job ID: 600-113262-1

Laboratory: TestAmerica Houston

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704223	10-31-15

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-15
Arizona	State Program	9	AZ0710	01-11-16
Arkansas DEQ	State Program	6	88-0689	09-01-15
Florida	NELAP	4	E81010	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200041	10-09-15
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	06-30-15 *
Kentucky (UST)	State Program	4	53	06-30-15
Kentucky (WW)	State Program	4	98030	12-31-15
Louisiana	NELAP	6	30976	06-30-15
Maryland	State Program	3	233	09-30-15
Massachusetts	State Program	1	M-FL094	06-30-15
Michigan	State Program	5	9912	06-30-15
New Jersey	NELAP	2	FL006	06-30-15
North Carolina (WW/SW)	State Program	4	314	12-31-15
Oklahoma	State Program	6	9810	08-31-15
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-15
South Carolina	State Program	4	96026	06-30-15
Tennessee	State Program	4	TN02907	06-30-15
Texas	NELAP	6	T104704286-12-5	09-30-15
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-15

* Certification renewal pending - certification considered valid.

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler: Greg Pawlak	Lab PM: Joiner, Dean A	Carrier Tracking No(s):	COC No: 600-33693-11131.3
Client Contact: [redacted] Greg Pawlak	Phone: 281-467-2158	E-Mail: dean.joiner@testamericainc.com		Page: Page 1 of 1
Company: Terracon Consulting Eng & Scientists				Job #: [redacted] 92157272
Address: 11555 Clay Road Suite 100	Due Date Requested:			
City: Houston	TAT Requested (days): 5 WD TRRP			
State, Zip: TX, 77043				
Phone: 713-690-8989(Tel)	PO #: Purchase Order not required			
Email: [redacted] greg.pawlak@terracon.com	WO #: 92157272			
Project Name: [redacted] Temp Well Install/Sampling	Project #: 60000508			
Site: Former Mercedes N. Dealership	SSOW#:			

Analysis Requested

Field Filtered Sample (Yes or No)
Perform MS/MSD (Yes or No)
VOC (Chlorinated Solvents 8260 List)
* Please Call Greg Pawlak to Confirm COCs *
Total Number of containers

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOC (Chlorinated Solvents 8260 List)	* Please Call Greg Pawlak to Confirm COCs *	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A A N D N N N N N			
TSP-1	6/15/15	0918	G	GW			X		4	
			G							
			G							
			G							
			G							
			G							
			G							
			G							
			G							
			G							
			G							

600-113262 Chain of Custody

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) TRRP

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 6/15/15 @ 1300	Company: TA	Received by: [signature]	Date/Time: 6/15/15 1241	Company: TA
Relinquished by: [signature]	Date/Time: 6/15/15 1300	Company: TA	Received by: [signature]	Date/Time: 6/15/15 1300	Company: TA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

TestAmerica Houston

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Receipt Checklist

Loc: 600
113262

Date/Time Received: '15 JUN 15 13:00

JOB NUMBER: ____ CLIENT: TERRACON

UNPACKED BY: ____ CARRIER/DRIVER: ____

Custody Seal Present: ☒ YES ☐ NO Number of Coolers Received: 1

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
WHBC	Y / N	Y / N	1.4	006	-.1	1.3
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? ☒ YES ☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED: ☐ NO ☐ YES

Base samples are>pH 12: ☐ YES ☐ NO Acid preserved are<pH 2: ☐ YES ☐ NO

pH paper Lot #_____

VOA headspace acceptable (5-6mm): ☒ YES ☐ NO ☐ NA

	YES	NO
Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓	

COMMENTS:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Joiner, Dean A	Carrier Tracking No(s):	COC No: 600-15265.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: dean.joiner@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 600-113262-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 6/19/2015			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Mercedes N. Dealership	Project #: 60000508			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

FR6 0.0C

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/5030B (MOD) Volatile Organic Compounds by GC/M	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TSP-1 (600-113262-1)	6/15/15	09:18 Central		Water			X	4	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/17/15 1500	TA		6/18/15 1012	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 600-113262-1

Login Number: 113262
List Number: 1
Creator: Capps, Dana R

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 600-113262-1

Login Number: 113262
List Number: 2
Creator: Benforado, Jessica L

List Source: TestAmerica Pensacola
List Creation: 06/18/15 11:43 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

STATE WELL REPORT / WATER WELL P&A PHOTOGRAPHS

STATE OF TEXAS PLUGGING REPORT for Tracking #104453

Owner:	**Indigo Properties**	Owner Well #:	**No Data**
Address:	**13921 I 45 North Houston, TX 77090**	Grid #:	**65-05-2**
Well Location:	**13915 I-45 North Houston, TX 77090**	Latitude:	**29° 58' 07" N**
		Longitude:	**095° 25' 19" W**
Well County:	**Harris**	Elevation:	**No Data**

Well Type: **Withdrawal of Water**

Drilling Information

Company: **No Data** Date Drilled: **No Data**

Driller: **No Data** License Number: **No Data**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**4**		**300**

Plugging Information

Date Plugged: **8/31/2015** Plugger: **Scott Robinson**

Plug Method: **Tremmie pipe cement from bottom to top**

Casing Left in Well:

Dia (in.)	*Top (ft.)*	*Bottom (ft.)*
4	**0**	**300**

Plug(s) Placed in Well:

Top (ft.)	*Bottom (ft.)*	*Description (number of sacks & material)*
0	**300**	**20 Portland**

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **Scott Drilling Inc.**

11923 Green Pines Circle
Houston, TX 77066

Driller Name: **Scott Robinson** License Number: **4839**

Comments: **No Data**

Photo 1 View of on-site water well and pressure tank on the west/ southwest boundary of the Site.

Photo 2 Removal of water well piping facing southwest.

Photo 3 Removal of 5-horsepower submersible pump facing northwest.

Photo 4 Plugging of on-site water well with Portland cement grout and tremmie pipe facing southwest.

Photo 5 View of surface completion following plugging of on-site water well.

Photo 6 Location of former water well and pressure tank following plugging and abandonment.

APPENDIX H