

CITY OF HOUSTON



PUBLIC WORKS AND ENGINEERING PLANNING & DEVELOPMENT DIVISION

EXECUTIVE SUMMARY

Project Overview

InControl Technologies, Inc. was retained by Yale and I-10 Property Management, LLC to provide environmental consulting services at their property located at 357 Yale St., Houston, Harris County, Texas. The subject property (the Site) currently consists of one large metal building with only a roof and a small office area. The property totaling 3.9360-acres of land is located west of downtown Houston, Harris County, Texas (**Figure C1**). The surrounding area is a mix of residential and commercial development (**Figure B**).

The subject property is located in the Whiteoak Bayou watershed (**Figure C2**). Additionally, a portion of the property is located within the 1% annual chance flood zone of Whiteoak Bayou (**Figure C3**).

The primary chemical of concern (COC) at the subject property is arsenic that was sourced from the manufacture of arsenic based herbicides and pesticides. Secondary chemicals of concern included dry cleaning solvents and fuel/gasoline related compounds. An arsenic Protective Concentration Level Exceedance (PCLE) zone was identified at the subject property. The PCLE zone is depicted on **Figure C4**. There are two sets of secondary COCs. The first set of secondary COCs are chlorinated volatile organic compounds (VOCs) tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride (VC), and 1,1-dichloroethene (1,1-DCE) are sourced from the former Gulf Laundry and Cleaning Supply. The second set of secondary COCs are fuel related VOCs benzene, toluene, ethylbenzene, and xylene are sourced from the former LPST site that was located on the subject property. There is no VOC PCLE zone. The TCEQ issued a no further action for the LPST cases.

Historical Environmental Condition

Chipman Chemical Engineering Company, a well-documented pesticide and herbicide manufacturing company, operated at the Site from at least the 1920s through the late 1940s, possibly into the early 1950s. Chipman Chemical was an agricultural chemicals manufacturer and an importer of creosote oil and related products. The company was primarily involved in the manufacture of herbicides/pesticides (*containing sodium arsenite, sodium chlorate, sodium borate*), 2,4-D, and 2,4,5-n insecticides (*Aldrin*), fungicides, and defoliants (*containing chlorate-borate for use on cotton and beans*). It is unknown whether some or all of the aforementioned chemicals/products were handled at the Site. Historic maps depict multiple storage and mixing tanks indicating process operations occurring at the Site for a period of approximately 30 years. The use of arsenic in the making of the herbicides and pesticides is the primary source of contamination at the subject property.

Gulf Laundry and Cleaning Supply, a cleaning and laundry supply company, was in operation on-site from 1968 through late 2010. Based upon discussions with the land owner's representative, the company operated as a wholesale distributor of various cleaning supplies including dry cleaning solvents. During the site assessment, no secondary containment was observed and floor staining and some concrete corrosion was apparent within the warehouse and along the exterior foundation of the warehouse. The source of the staining and corrosion was unknown and likely associated with historical operators and not Gulf Laundry and Cleaning Supply.

Schneider Construction Company, a historical operator on the northern portion of the property, had a registered underground storage tank (UST) system which apparently included tanks on both the northern and southern tracts of the subject property. According to the TCEQ records for Facility ID 018764 (LPST No. 95173), Schneider Construction had 5 USTs that were removed from the ground in 1990. The tanks consisted of one 1,500 gallon gasoline tank that was installed in 1962 and taken out of service in 1986; two 2,500 gallon gasoline tanks that were installed in 1964 and taken out of service in 1986; one 500 gallon gasoline tank that was installed in 1964 and removed from service in 1986 and one 5,000 gallon tank installed in 1960 and removed from service in 1986. All five tanks were removed from the ground on January 31, 1990. Based on this information, InControl Technologies reviewed the TCEQ Database for any additional information regarding the subject site. The TCEQ Database listed nine (9) underground storage tanks on the subject property, the five listed above plus three 1,000 gallon tanks and one 5,000 gallon tank all installed in 1960 and removed from the ground on January 31, 1990. The records also listed the site as a Leaking Petroleum Storage Tank Site (LPST) (LPST Number 95173).

InControl Technologies received a copy of the TCEQ LPST Closure Letter dated March 27, 1996. The letter "confirms the completion of the corrective action requirements for the release incident". The letter specifically states that the TNRCC (now the TCEQ) concur with the recommendation for closure. The final concurrence letter signified the completion of response actions associated with the subject site. The letter also includes additional information regarding the removal action. Tankhold No. 1 located at 357 Yale had five USTs which included two 5,000 gallon tanks and three 1,000 gallon tanks. The excavation was approximately 20-feet wide by 82-feet long by approximately 14-feet deep. An additional area approximately 16-feet wide by 55-feet long by 2.5 feet deep was excavated. Approximately 1,125 cubic yards of soil was excavated and hauled offsite from this tank hold.

One of the tanks holds (Tank Hold No. 3) included three tanks and was located at 401 Yale Street. The excavation was approximately 15-feet wide by 52-feet long by 12-feet deep. The excavation included two 5,000 gallon tanks and one 500 gallon tank. The second excavation (Tank Hold No. 6) included only one 1,500 gallon tank. This excavation was 12-feet wide by 18-feet long by 13-feet deep. These last two tank holds are not located on the subject property.

As part of the affected property assessment, a monitoring well network consisting of fourteen (14) permanent groundwater monitoring wells both on and off site was installed. The groundwater monitoring well network was designed to define the nature and extent of groundwater contamination, evaluate potential interconnectivity with the neighboring Whiteoak Bayou and to evaluate the fate and transport issues associate with arsenic in groundwater. Groundwater monitoring began in November 2013 and is routinely

sampled on a quarterly basis. Groundwater monitoring included the target RCRA metals, VOCs and fuel related compounds.

The primary chemical of concern on the subject site is arsenic associated with the historical formulation of arsenic based herbicides and pesticides. Poor management of these compounds impacted shallow soil over a large portion of the property. In a localized area, the arsenic impacts were significantly deeper. Based on these results, InControl Technologies developed a response action to eliminate/remove the near surface impacted soil and cover the site with a protective barrier and cap system. The plan was submitted to the TCEQ for their review and approval. In November 2015, InControl Technologies mobilized to the site to implement the soil response action on the subject property. This response action included a large scale excavation of arsenic contaminated soil. The soil was segregated into three different categories; soil that was Class 2, soil that was Class 1 and soil that was hazardous based on leaching of arsenic.

The Class 2 and Class 1 Nonhazardous Industrial soil was loaded and hauled offsite for disposal. The hazardous soil was treated with a proprietary chemical fixation product. The fixation stabilized and bound the arsenic to the soil allowing the soil to be disposed of as a Class 2 Nonhazardous Industrial Waste. The soil was mixed in place, sampled to verify that the soil was treated and then loaded and hauled offsite. Some of the deeper soil was treated in place. Once the soil response action was completed, a 3-foot thick clay cap was placed on top of the material that was not able to be excavated. A total of 3,925 cubic yards of soil was treated and/or removed from the site. A response action completion report was prepared and submitted to the TCEQ to document the soil response action. The TCEQ reviewed the document and approved the response action as complete.

Part of the long-term risk mitigation for the site included a spot treatment of the area of groundwater with the highest overall concentration of arsenic. This was done due to the disturbance of the soil and the removal of concrete slabs. The purpose of the localized treatment was to mitigate any future contaminant transport from soil into groundwater. In April 2016, InControl conducted a groundwater response action that consisted of calcium polysulfide injections around monitoring wells MW-1 through MW-4, MW-6 and MW-7. This product causes the arsenic to bind with the soil as an insoluble salt. A subsequent injection event of potassium permanganate was performed in May 2016 to help improve the oxidation potential further enhanced the precipitation of arsenic in the transmissive unit.

Whiteoak Bayou runs along the western border of the subject property. Two surface water samples were collected from the bayou on two separate occasions and analyzed for RCRA Metals by EPA Method 7470/6020. Both times, the results did not report any chemicals of concern above an Aquatic Life Surface Water Risk Based Exposure Level. InControl Technologies also developed a hydrogeologic model looking at interconnectivity with the bayou. Based on site geologic cross sections, Whiteoak Bayou is a losing stream allowing surface water to infiltrate into groundwater and not groundwater to surface water. Whiteoak Bayou is also concrete lined and does not provide ecological habitat in this area. A Tier 2 Ecological Risk Assessment was submitted to the TCEQ. The TCEQ agreed that there was not significant interconnectivity or threat to ecological endpoints.

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.

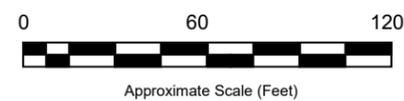
The legal description including a metes and bounds description, a copy of the deed for the designated property, and a plat map are included in this section.

Figure A is the proposed MSD boundary at the Yale Street property located at 357 Yale St.



White Oak Bayou

LEGEND:



InControl Technologies, Inc.
 14731 Pebble Bend Drive
 Houston, Texas 77068
 (281) 580-8892 FAX (281) 580-8853

MSD Boundary Map

CLIENT:	Yale Street Properties		PM:	MFM
LOCATION:	357 Yale St. Houston, Texas 77007		CHECKED:	
DETAILED:	DESIGNED:	PROJECT NO:	FIGURE:	
LMG	9/21/06	721-101	A	

Scale 1" = 20'



FLOOD ZONE NOTES:
I HAVE EXAMINED THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48010291M, DATED JUNE 09, 2014 AND HAVE DETERMINED THAT THE TRACT HEREBY SURVEYED LIES PARTIALLY WITHIN SHADDED ZONE "X" OR AREAS DETERMINED TO BE INSIDE THE 500-YEAR FLOODPLAIN AND PARTIALLY WITHIN ZONE "AE" OR AREAS DETERMINED TO BE INSIDE THE 100-YEAR FLOODPLAIN. BASE FLOOD ELEV. 41.0.

NOTICE: STATEMENTS ARE BASED ON SCALING THE LOCATION OF SAID SURVEY ON THE ABOVE REFERENCED MAP. THIS INFORMATION IS TO BE USED TO DETERMINE FLOOD INSURANCE RATES ONLY, AND IS NOT INTENDED TO IDENTIFY SPECIFIC FLOOD CONDITIONS.

LEGEND:
WM - WATER METER
WH - FIRE HYDRANT
TS - TRAFFIC SIGN
TCB - TRAFFIC CONTROL BOX
TL - TRAFFIC LIGHT
CO - CLEAN OUT
TR - TOP OF RM
FS - FLOW LINE
PS - POWER POLE
SL - STREET LIGHT
GR - GUY WIRE
EM - ELECTRIC METER
ZT - ZONES TOWER
GP - GUARD POST
OR - GAS RISER
ON - GAS VALVE
MI - MAN HOLE



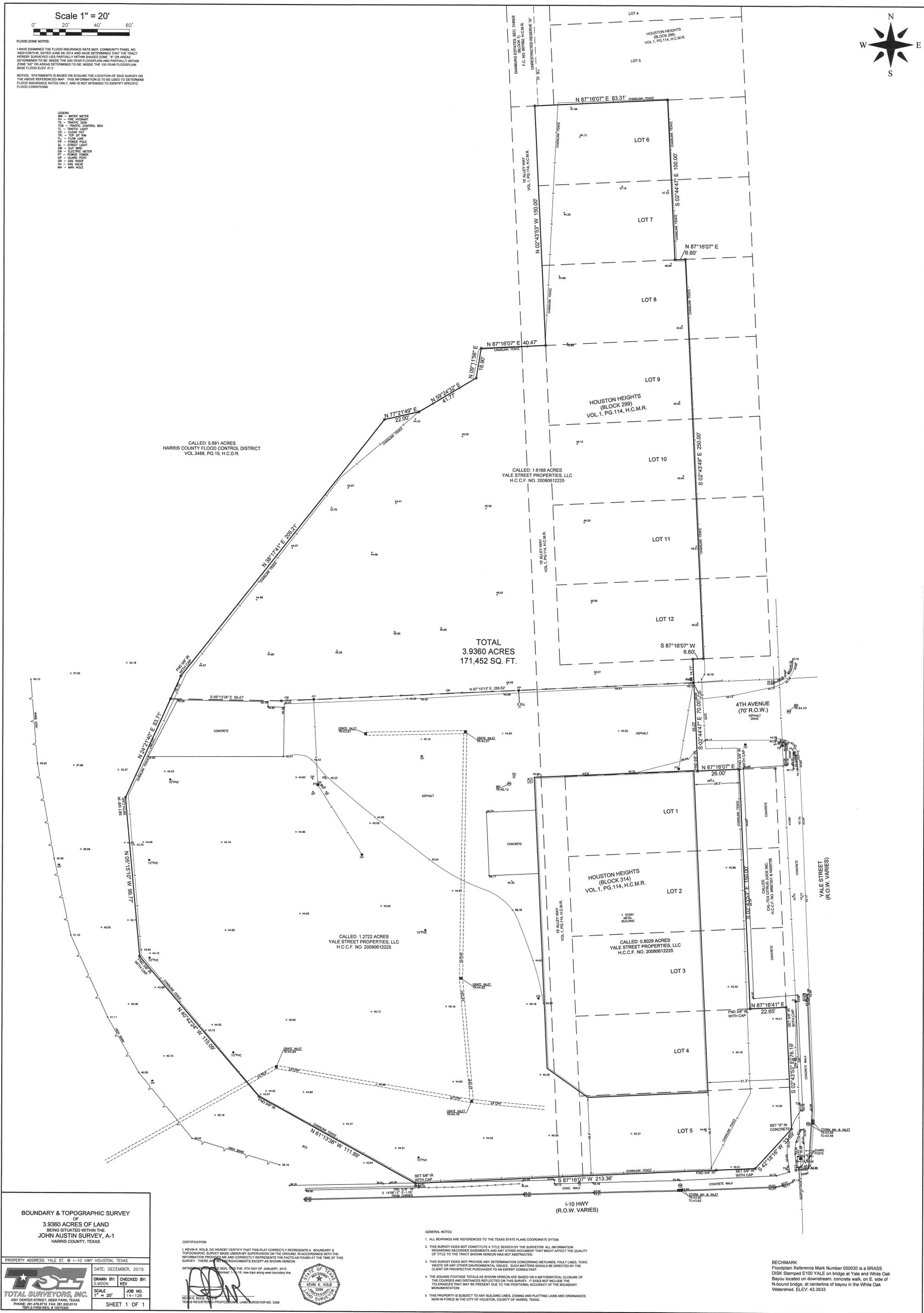
CALLLED: 5.691 ACRES
HARRIS COUNTY FLOOD CONTROL DISTRICT
VOL. 3488, PG. 19, H.C.D.R.

CALLLED: 1.6188 ACRES
YALE STREET PROPERTIES, LLC
H.C.C.F. NO. 20080612225

CALLLED: 1.2722 ACRES
YALE STREET PROPERTIES, LLC
H.C.C.F. NO. 20080612225

CALLLED: 0.8029 ACRES
YALE STREET PROPERTIES, LLC
H.C.C.F. NO. 20080612225

TOTAL
3.9360 ACRES
171,452 SQ. FT.



BOUNDARY & TOPOGRAPHIC SURVEY
OF
3.9360 ACRES OF LAND
BEING SITUATED WITHIN THE
JOHN AUSTIN SURVEY, A-1
HARRIS COUNTY, TEXAS

PROPERTY ADDRESS: YALE ST., @ I-10 HWY HOUSTON, TEXAS
DATE: DECEMBER, 2015
DRAWN BY: D.MOON
CHECKED BY: KEVIN K. KOLB
SCALE: 1" = 20'
JOB NO. 14-1225
SHEET 1 OF 1

CERTIFICATION
I, KEVIN K. KOLB, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A BOUNDARY & TOPOGRAPHIC SURVEY MADE UNDER MY SUPERVISION ON THE GROUND, IN ACCORDANCE WITH THE INFORMATION PROVIDED ME AND CORRECTLY REPRESENTS THE FACTS AS FOUND AT THE TIME OF THIS SURVEY. THERE ARE NO ENCUMBRANCES EXCEPT AS SHOWN HEREON.
WITNESS MY HAND AND SEAL THIS 5TH DAY OF JANUARY, 2016.
KEVIN K. KOLB, LICENSE NO. 116,000 (Surveyor)



- GENERAL NOTES:
1. ALL BEARINGS ARE REFERENCED TO THE TEXAS STATE PLANE COORDINATE SYSTEM.
 2. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR. ALL INFORMATION REGARDING RECORDS, EASEMENTS AND ANY OTHER DOCUMENT THAT MAY AFFECT THE QUALITY OF TITLE TO THE TRACT SHOWN HEREON WAS NOT ABSTRACTED.
 3. THIS SURVEY DOES NOT PROVIDE ANY DETERMINATION CONCERNING WETLANDS, FAULT LINES, TOXIC WASTE OR ANY OTHER ENVIRONMENTAL ISSUES. SUCH MATTERS SHOULD BE DIRECTED BY THE CLIENT OR PROSPECTIVE PURCHASER TO AN EXPERT CONSULTANT.
 4. THE SQUARE FOOTAGE TOTALS AS SHOWN HEREON ARE BASED ON A MATHEMATICAL CLOSURE OF THE COURSES AND DISTANCES REFLECTED ON THIS SURVEY. IT DOES NOT INCLUDE THE TOLERANCES THAT MAY BE PRESENT DUE TO THE POSITIONAL ACCURACY OF THE BOUNDARY MONUMENTATION.
 5. THIS PROPERTY IS SUBJECT TO ANY BUILDING LINES, ZONING AND PLATTING LAWS AND ORDINANCES NOW IN FORCE IN THE CITY OF HOUSTON, COUNTY OF HARRIS, TEXAS.

BECHMARK
Floodplain Reference Mark Number: 050030 is a BRASS DISK Stamped E100 YALE on bridge at Yale and White Oak Bayou located on downstream, concrete walk, on E. side of N-bound bridge, at centerline of bayou in the White Oak Watershed. ELEV: 43.3533

**METES AND BOUNDS DESCRIPTION
357 YALE STREET(TRACT 1)
2.4429 ACRES OF LAND
JOHN AUSTIN SURVEY, A-1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS**

Being 2.4429 acres of land situated in the John Austin Survey, Abstract No. 1, City of Houston, Harris County, Texas, and being a portion of that certain called 1.2722 acre tract, 0.8029 acre tract and a 0.2009 acre tract as conveyed by deed to Yale Street Properties, LLC, by deed recorded under Harris County Clerk's File No. 20080612225 , and being a portion of that certain called 1.6168 acre tract as conveyed to Yale Street Properties, LLC, by deed recorded under Harris County Clerk's File No. 20080612226 and being portions of Block 314, Block 315, the alleyway between said Blocks and 4th Avenue, according to the map or plat thereof for the Houston Heights, recorded in Volume 1, Page 114, of the Map Records of Harris County, Texas. Said 2.4429 acre tract being more fully described by metes and bounds as follows:

- All bearings referenced herein are based on the monuments found for the northerly right-of-way line of Interstate 10, South 87°17'54" West.

BEGINNING at an aluminum disk (stamped "TxDOT"), found for the northwest boundary corner of a called 0.0046 acre tract as conveyed to the State of Texas, by deed recorded under Harris County Clerk's File No. Y372262, and being the westerly right-of-way line of Yale Street, based on a width of 70 feet;

THENCE South 42°20'03" West, along the northwesterly boundary line of the said 0.0046 acre tract, for a distance of 33.69 feet to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being located in the northerly right-of-way line of Interstate 10, based on a varying width;

THENCE South 87°17'54" West, along the northerly right-of-way line of said Interstate 10, for a distance of 213.36 feet, to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being located in the easterly boundary line of that certain called 2.705 acre tract as conveyed to Harris County Flood Control District, by deed recorded in Volume 3351, Page 675 of the Deed Records of Harris County, Texas;

THENCE along the easterly boundary line of the said 2.705 acre tract the following four (4) courses and distances:

North 61°11'51" West, for a distance of 111.89 feet to a 5/8 inch iron rod found for corner;

North 40°40'37" West, for a distance of 115.09 feet to a 1/2 inch iron rod found for corner;

North 05°13'23" West, for a distance of 99.77 feet to a 5/8 inch iron rod found for corner;

North 24°23'27" East, for a distance of 68.01 feet to a 5/8 inch iron rod with plastic cap set for corner;

THENCE South 89°11'52" East, for a distance of 69.47 feet to a "MAG" nail set for corner;

THENCE North 87°17'00" East, for a distance of 258.82 feet, to a "MAG" nail set for corner, said iron rod being located in the westerly right-of-way line of 4th Avenue, based on a width of 70 feet;

THENCE South 02°43'00" East, along the westerly line of the said 4th Avenue, for a distance of 55.23 feet, to a 5/8 inch iron rod found for corner, said iron rod being the southwest boundary corner of said 4th Avenue;

THENCE North 87°17'54" East, along the southerly right-of-way line of said 4th Avenue, for a distance of 26.00 feet, to a 3/8 inch iron rod with plastic cap found for corner, said iron rod being the northwest boundary corner of that certain tract conveyed to Cal-Tex Citrus Juice, Inc., by deed recorded under Harris County Clerk's File No. M567201;

THENCE South 02°42'06" East, along the said Cal-Tex Citrus Juice, Inc. tract, for a distance of 150.00 feet, to a 3/8 inch iron rod with plastic cap found for corner, said iron rod being the southwest boundary corner of the said Cal-Tex Citrus Juice, Inc. tract;

THENCE North 87°18'28" East, along the southerly boundary line of the said Cal-Tex Citrus Juice, Inc. tract, for a distance of 22.65 feet, to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being located in the westerly right-of-way line of said Yale Street;

THENCE South 02°42'06" East, along the westerly right-of-way line of said Yale Street, for a distance of 76.19 feet, to the **POINT OF BEGINNING** and containing within these calls 106,415 square feet or 2.4429 acres of land.

A survey plat has not been prepared in conjunction with this metes and bounds description, by Kevin K. Kolb, R.P.L.S. No. 5269.

The square footage totals as shown hereon are based on a mathematical closure of the courses and distances reflected herein. It does not include the tolerances that may be present due to positional accuracy of the boundary monumentation.

Compiled by:

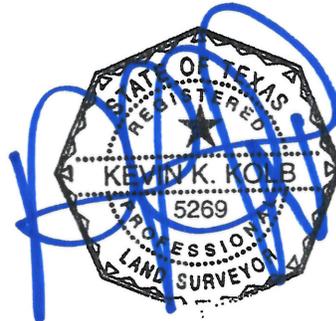
TOTAL SURVEYORS, INC.

4301 Center Street

Deer Park, Texas 77536

281-479-8719

March 4, 2014 (Revised 3-10-14, new boundary)



METES AND BOUNDS DESCRIPTION
403 YALE STREET (TRACT 2)
1.4931 ACRES OF LAND
JOHN AUSTIN SURVEY, A-1
CITY OF HOUSTON, HARRIS COUNTY, TEXAS

Being 1.4931 acres of land situated in the John Austin Survey, Abstract No. 1, City of Houston, Harris County, Texas, and being a portion of that certain called 1.6168 acre tract and a 0.049 acre tract as conveyed to Yale Street Properties, LLC, by deed recorded under Harris County Clerk's File No. 20080612226 and being portions of Block 290, Block 315 and the alleyway between said Blocks, according to the map or plat thereof for the Houston Heights, recorded in Volume 1, Page 114, of the Map Records of Harris County, Texas. Said 1.4931 acre tract being more fully described by metes and bounds as follows:

- All bearings referenced herein are based on the monuments found for the northerly right-of-way line of Interstate 10, South 87°17'54" West.

COMMENCING at an aluminum disk (stamped "TxDOT"), found for the northwest boundary corner of a called 0.0046 acre tract as conveyed to the State of Texas, by deed recorded under Harris County Clerk's File No. Y372262, and being the westerly right-of-way line of Yale Street, based on a width of 70 feet;

THENCE North 02°42'06" West, along the westerly right-of-way line of said Yale Street, for a distance of 296.19 feet to a point for corner, said point being the southeasterly boundary corner of said Block 290, and being the intersection of the westerly right-of-way line of said Yale Street with the northerly right-of-way line of said 4th Avenue, based on a width of 70 feet;

THENCE South 87°17'54" West, along the northerly right-of-way line of said 4th Avenue, for a distance of 42.07 feet to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being the **POINT OF BEGINNING** of the herein described tract of land;

THENCE South 87°17'54" West, along the northerly right-of-way line of said 4th Avenue, for a distance of 6.60 feet, a 5/8 inch iron rod with plastic cap found for the northwest right-of-way corner of said 4th Avenue;

THENCE South 02°43'00" East, along the westerly right-of-way line of said 4th Avenue, for a distance of 14.77 feet to a "MAG" nail set for corner;

THENCE South 87°17'00" West, for a distance of 258.82 feet to a "MAG" nail set for corner;

THENCE North 89°11'52" West, for a distance of 69.47 feet to a 5/8 inch iron rod with plastic cap set for corner, said iron rod being located in the easterly boundary line of a called 5.691 acre tract as conveyed to Harris County Flood Control District, by deed recorded in Volume 3488, Page 19 of the Deed Records of Harris County, Texas;

THENCE along the easterly boundary line of the said 5.691 acre tract the following five (5) courses and distances:

North 24°23'27" East, for a distance of 15.70 feet to a 3/8 inch iron rod found for corner;

North 38°19'28" East, for a distance of 205.21 feet to a 1/2 inch iron rod found for corner;

North 77°23'36" East, for a distance of 22.00 feet to a 1/2 inch iron rod found for corner;

North 59°26'19" East, for a distance of 41.77 feet to a 5/8 inch iron rod with plastic cap found for corner;

North 09°13'43" East, for a distance of 18.90 feet to a 5/8 inch iron rod with plastic cap found for corner;

THENCE North 87°17'54" East, for a distance of 40.47 feet to a 3/8 inch iron rod with plastic cap found for corner, said iron rod being located at an interior corner of the said 1.6168 acre tract;

THENCE North 02°42'06" West, for a distance of 150.00 feet to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being located in the southerly boundary line of Danburg Estates, Section Three, according the map or plat thereof as recorded under Film Code No. 607082, of the Map Records of Harris County, Texas;

THENCE North 87°17'54" East, along the southerly boundary of the said Danburg Estates, Section Three, for a distance of 83.31 feet, to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being the northeasterly boundary corner of the said 1.6168 acre tract;

THENCE South 02°43'00" East, along the easterly boundary line of the said 1.6168 acre tract, for a distance of 100.00 feet, to a 3/8 inch iron rod with plastic cap set for corner, said iron rod being the northwesterly boundary corner of the said 0.049 acre tract;

THENCE North 87°17'54" East, along the northerly boundary line of the said 0.049 acre tract, for a distance of 6.60 feet, to a 3/8 inch iron rod with plastic cap found for corner, said iron rod being located at the northeasterly boundary corner of the said 0.049 acre tract;

THENCE South 02°42'06" East, along the easterly boundary line of the said 0.049 acre tract, for a distance of 250.00 feet, to the **POINT OF BEGINNING** and containing within these calls 65,037 square feet or 1.4931 acres of land.

A survey plat has not been prepared in conjunction with this metes and bounds description, by Kevin K. Kolb, R.P.L.S. No. 5269.

The square footage totals as shown hereon are based on a mathematical closure of the courses and distances reflected herein. It does not include the tolerances that may be present due to positional accuracy of the boundary monumentation.

Compiled by:

TOTAL SURVEYORS, INC.

4301 Center Street

Deer Park, Texas 77536

281-479-8719

March 7, 2014 (Revised 3-10-14, new boundary)



WD
A

20140106134
03/17/2014 ER \$52.00

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

**SPECIAL WARRANTY DEED
(357 Yale Street)**

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

ER 054 - 84 - 2348

YALE STREET PROPERTIES, LLC, as "**Grantor**", for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) paid to Grantor and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and confessed, has GRANTED, SOLD and CONVEYED and does hereby GRANT, SELL and CONVEY unto **YALE AND I-10 PROPERTY MANAGEMENT LLC**, a Texas limited liability company ("**Grantee**"), whose address is 101 Crawford St., #100, Houston, TX 77002, the real property located in Harris County, Texas, as more particularly described in **Exhibit "A"** attached hereto and incorporated herein by reference, together with any improvements located on such land (such land and improvements being collectively referred to as the "**Property**").

This conveyance is made and accepted subject to the following matters (the "**Permitted Exceptions**"): (i) the matters set forth on **Exhibit "B"** attached hereto; (ii) all matters that a correct survey of the Property would show; (iii) all matters herein stated, and (iv) any and all laws, ordinances, and governmental regulations now applicable to and enforceable against, the Property.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances pertaining thereto, subject to the Permitted Exceptions and those matters hereafter set forth, unto Grantee and Grantee's successors and assigns forever, and Grantor does hereby bind Grantor and Grantor's its successors and legal representatives to WARRANT and FOREVER DEFEND the Property unto Grantee and Grantee's successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereto, by, through or under Grantor, but not otherwise.

The Property is conveyed to Grantee in its present condition, "**AS IS, WITH ALL FAULTS, AND WITHOUT ANY WARRANTY WHATSOEVER, EXPRESS OR IMPLIED.**" Except as otherwise set forth in that certain Purchase and Sale Agreement, between, *inter alia*, Grantor and Grantee, dated September 17, 2013 (as amended, the "**Agreement**"), it is understood and agreed that Grantor and Grantor's agents or employees have not made and are not now making, and they specifically disclaim, any warranties, representations or guaranties of any kind or character, express or implied, oral or written, past, present or future, with respect to the Property, including, but not limited to, warranties, representations or guaranties as to (a) matters of title (other than Grantor's warranty of title set forth in this Deed);

(b) environmental matters relating to the Property or any portion thereof; (c) geological conditions, including, without limitation, subsidence, subsurface conditions, water table, underground water reservoirs, limitations regarding the withdrawal of water and earthquake faults and the resulting damage of past and/or future earthquakes; (d) whether, and to the extent to which the Property or any portion thereof is affected by any stream (surface or underground), body of water, flood prone area, flood plain, floodway or special flood hazard; (e) drainage; (f) soil conditions, including the existence of instability, past soil repairs, soil additions or conditions of soil fill, or susceptibility to landslides, or the sufficiency of any under shoring; (g) zoning to which the Property or any portion thereof may be subject; (h) the availability of any utilities to the Property or any portion thereof including, without limitation, water, sewage, gas and electric; (i) usages of adjoining property; (j) access to the Property or any portion thereof, (k) the value, compliance with the plans and specifications, size, location, age, use, design, quality, description, suitability, structural integrity, operation, title to, or physical or financial condition of the Property or any portion thereof, or any income, expenses, charges, liens, encumbrances, rights or claims on or affecting or pertaining to the Property or any part thereof (other than Grantor's warranty of title set forth in this Deed); (l) the presence of Hazardous Substances (hereinafter defined) in or on, under or in the vicinity of the Property; (m) the condition or use of the Property or compliance of the Property with any or all past, present or future federal, state or local ordinances, rules, regulations or laws, building, fire or zoning ordinances, codes or other similar laws; (n) the existence or non-existence of underground storage tanks; (o) any other matter affecting the stability or integrity of the Property; (p) the potential for further development of the Property; (q) the existence of vested land use, zoning or building entitlements affecting the Property; (r) the merchantability of the Property or fitness of the Property for any particular purpose (Grantee affirming that Grantee has not relied on Grantor's or Grantor's agents' or employees' skill or judgment to select or furnish the Property for any particular purpose, and that Grantor makes no warranty that the Property is fit for any particular-purpose); or (s) tax consequences. **EXCEPT AS EXPRESSLY SET FORTH HEREIN, GRANTOR MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND TO GRANTEE, INCLUDING, WITHOUT LIMITATION, THE PHYSICAL CONDITION OF THE PROPERTY AND ANY IMPROVEMENTS LOCATED THEREON, OR THEIR SUITABILITY FOR ANY PARTICULAR PURPOSE OR OF MERCHANTABILITY.**

Grantee's Release of Grantor

- (a) Potential Contamination of Property. Grantee acknowledges that the Property has been used historically as a herbicide and pesticide plant by Grantor's predecessors in title, and such use may have resulted in the spillage, discharge, or other release of Hazardous Substances (as defined below) on or under all or any portion of the Property. Such spillage, discharge, or other releases may have migrated offsite from the Property to adjacent tracts of land. Consequently, it is possible that past operations on the Property may have resulted in contamination of indoor or outdoor air, superficial soil, subsurface soil, surface water, groundwater, and structures (collectively, the "**Environment**"), on, under, adjacent to, or migrating to or from the Property.
- (b) Grantor Released From Liability. Grantee, for itself and its legal representatives, heirs, successors, assigns, and affiliates, and the respective legal representatives,

heirs, successors, assigns, and affiliates of such persons or entities (collectively, "**Grantee Parties**"), as applicable, does hereby forever **IRREVOCABLY RELEASE**, hold harmless, and forever discharge Grantor and its respective agents, employees, officers, directors, partners, controlling persons, and affiliates (collectively, the "**Grantor Parties**") from any and all claims, demands, responsibilities, liabilities, or causes of action at law or equity arising out of or related to the condition, valuation, salability, or utility of the Property, or its suitability for any purpose whatsoever including, but not limited to, with respect to the presence in the Environment of Hazardous Substances, any voluntary or required investigatory or remedial action to respond to or address suspected or actual Hazardous Substances in the Environment, any active or inactive water wells on the Property, or any environmental, structural or geologic condition on, under, adjacent to, migrating to or from, or otherwise affecting the Property. Without any limitation of the foregoing, Grantee specifically does hereby forever **IRREVOCABLY RELEASE** the Grantor Parties from any claims the Grantee Parties may have against any Grantor Parties now or in the future under the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. §§ 9601 et seq., as amended ("**CERCLA**"); the Resources Conservation and Recovery Act, 42 U.S.C. §§ 6901 et seq., as amended ("**RCRA**"); and the Texas Solid Waste Disposal Act, Tex. Health & Safety Code, Chapter 361, as amended ("**TSWDA**"); any other analogous state or federal statute; and common law arising from the environmental conditions of the Property or the presence of Hazardous Substances, on, under, adjacent to, migrating to or from, or otherwise affecting the Property. Grantee further hereby **WAIVES** (and by closing this transaction will be deemed to have **WAIVED**) any and all objections and complaints (including, but not limited to, federal, state and local statutory and common law based actions, and any private right of action under any federal, state or local laws, regulations or guidelines to which the Property is or may be subject, including, but not limited to, CERCLA and RCRA) regarding the physical characteristics and any existing conditions of the Property, including, without limitation, environmental, structural and geologic conditions, and Hazardous Substances on, under, adjacent to, migrating to or from, or otherwise affecting the Property. Grantee further hereby assumes the risk of changes in applicable laws and regulations relating to past, present and future environmental, structural or geological conditions on the Property and the risk that adverse physical characteristics and conditions, including, without limitation, the presence of Hazardous Substances, may not have been revealed in whole or in part by its investigation. Grantee expressly acknowledges that Grantee has not relied on any warranties, promises, understandings or representations, express or implied, oral or written, of any Grantor Party, relating to the Property which are not contained in the Agreement, and that Grantee is acquiring the Property in its present condition and state of repair, "*as is, where is*", with all defects, latent or apparent. For purposes hereof, "**Hazardous Substances**" means: (i) any "hazardous waste," "industrial waste," "solid waste," "hazardous material," "hazardous substance," "toxic substance," "hazardous material," "pollutant," or "contaminant" as those or similar terms are defined, identified, or regulated under any applicable federal,

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state, or local environmental law, rule, regulation, ordinance, order or legally enforceable requirement including, but not limited to, CERCLA, RCRA, and TSWDA; (ii) any asbestos containing materials, whether in a friable or non-friable condition, polychlorinated biphenyls, or radon; (iii) any petroleum, petroleum hydrocarbons, petroleum products and motor fuels, crude oil and any components, fractions, or derivatives thereof; and (iv) any substance that, whether by its nature or its use, is subject to regulation under any applicable federal, state, or local environmental law, rule, regulation, ordinance, order or legally enforceable requirement including, but not limited to, CERCLA, RCRA, and TSWDA, or for which any governmental entity requires an environmental investigation or remediation. The foregoing release and waiver apply whether or not any such matters released or waived are known or unknown or suspected to exist and whether or not asserted.

Grantor, for the same consideration and subject to the Permitted Encumbrances, grants, sells, and conveys to Grantee, without any warranty, whether express or implied, all of Grantor's right, title and interest (if any) in and to, the strips and gores, if any, between the Property and any abutting or adjacent property, and any land lying in or under any alleyways, streets, or public thoroughfare, opened or proposed, contained within, abutting or adjacent to the Property, together with, all and singular, the rights and appurtenances thereto in any way belonging to the Property or any of the foregoing, including, but not limited to, all easements appurtenant to the Property, if any; all easements and other rights-of-way and appurtenances used in connection with the beneficial use and enjoyment of the Property, if any; and all rights to water capacity, sanitary sewer wastewater capacity, water and storm drainage service, and other utility rights, if any, applicable to the Property; to have and to hold the aforesaid unto Grantee, and Grantee's successors and assigns, forever. All warranties that might arise by common law, by statute or otherwise, including, without limitation, the warranties set forth in Section 5.023 (as amended) of the Texas Property Code (or its successor), are expressly excluded as to the properties and items conveyed by this paragraph.

AD VALOREM TAXES WITH RESPECT TO THE PROPERTY ARE PRORATED AS OF THIS DATE (BASED ON ESTIMATES, IF NECESSARY) AND ARE NOT SUBJECT TO READJUSTMENT. GRANTEE EXPRESSLY ASSUMES PAYMENT OF ALL AD VALOREM TAXES AND SPECIAL AND GENERAL ASSESSMENTS OF WHATEVER NATURE APPLICABLE TO THE PROPERTY FOR THE YEAR 2014 AND SUBSEQUENT YEARS, AS WELL AS ALL SPECIAL AND GENERAL ASSESSMENTS OF WHATEVER NATURE APPLICABLE TO THE PROPERTY AND ALL SUBSEQUENT ASSESSMENTS FOR PRIOR YEARS BASED UPON A CHANGE OF LAND USAGE OR OWNERSHIP OCCURRING FROM AND AFTER THE DATE HEREOF.

REMAINDER INTENTIONALLY LEFT BLANK

EXECUTED on the date set forth in the acknowledgment attached hereto to be effective as of the 14th day of March, 2014.

GRANTOR:

YALE STREET PROPERTIES, LLC,
a Texas Limited Liability Company **1OR**

By: *S. Craig Schneider*
Name: S. Craig Schneider
Title: Manager

By: Bank of America, N.A., Trustee of
The S. Craig Schneider GST Exempt Trust
The Diane S. Pease GST Exempt Trust
The Carla S. Rodenkirk GST Exempt Trust, Manager

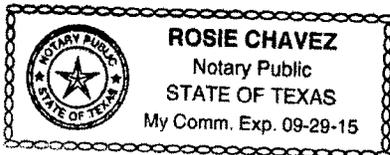
By: *Gary G. Martin, Jr.*
Name: Gary G. Martin, Jr., Sr. Vice President

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THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

The foregoing instrument was acknowledged before me on this 14th day of March, 2014, by S. Craig Schneider, Manager of **YALE STREET PROPERTIES, LLC**, a limited liability company, on behalf of said limited liability company.

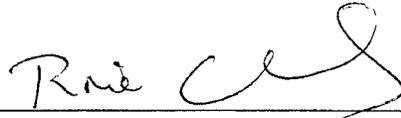
Rosie Chavez

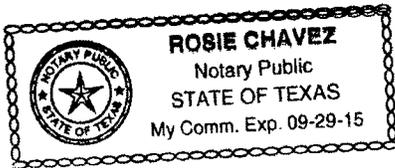


Notary Public in and for
The State of Texas

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

The foregoing instrument was acknowledged before me on this 14th day of March, 2014, by Gary G. Martin, Jr., Sr. Vice President of Bank of America, N.A. (as Trustee of The S. Craig Schneider GST Exempt Trust, The Diane S. Pease GST Exempt Trust and The Carla S. Rodenkirk GST Exempt Trust), in turn as Manager of **YALE STREET PROPERTIES, LLC**, a limited liability company, on behalf of said limited liability company.





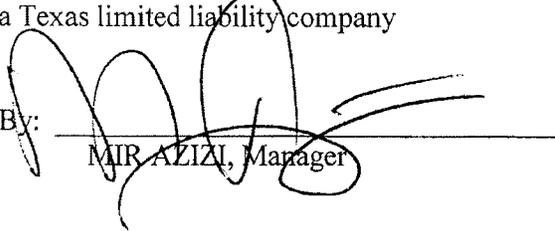
Notary Public in and for
The State of Texas

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ER 054 - 84 - 2354

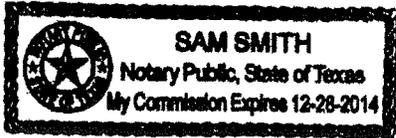
AGREED AND ACCEPTED BY GRANTEE:

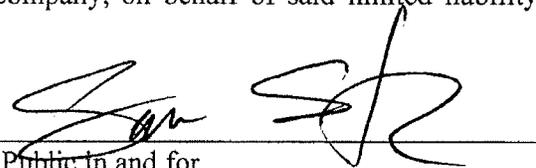
YALE AND I-10 PROPERTY MANAGEMENT LLC 1EE
a Texas limited liability company

By: 
MIR AZIZI, Manager

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

The foregoing instrument was acknowledged before me on this 14 day of March, 2014, by MIR AZIZI, Manager of **YALE AND I-10 PROPERTY MANAGEMENT LLC** a Texas limited liability company, on behalf of said limited liability company.





Notary Public in and for
The State of _____

- Exhibit "A" - Legal Description
- Exhibit "B" - Permitted Exceptions

EXHIBIT "A"

LEGAL DESCRIPTION OF PROPERTY

Being 2.4429 acres of land situated in the John Austin Survey, Abstract No. 1, City of Houston, Harris County, Texas, and being a portion of that certain called 1.2722 acre tract, 0.8029 acre tract and a 0.2009 acre tract as conveyed by deed to Yale Street Properties, LLC, by deed recorded under Harris County Clerk's File No. 20080612225 , and being a portion of that certain called 1.6168 acre tract as conveyed to Yale Street Properties, LLC, by deed recorded under Harris County Clerk's File No. 20080612226 and being portions of Block 314, Block 315, the alleyway between said Blocks and 4th Avenue, according to the map or plat thereof for the Houston Heights, recorded in Volume 1, Page 114, of the Map Records of Harris County, Texas. Said 2.4429 acre tract being more fully described by metes and bounds as follows:

- All bearings referenced herein are based on the monuments found for the northerly right-of-way line of Interstate 10, South 87°17'54" West.

BEGINNING at an aluminum disk (stamped "TxDOT"), found for the northwest boundary corner of a called 0.0046 acre tract as conveyed to the State of Texas, by deed recorded under Harris County Clerk's File No. Y372262, and being the westerly right-of-way line of Yale Street, based on a width of 70 feet;

THENCE South 42°20'03" West, along the northwesterly boundary line of the said 0.0046 acre tract, for a distance of 33.69 feet to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being located in the northerly right-of-way line of Interstate 10, based on a varying width;

THENCE South 87°17'54" West, along the northerly right-of-way line of said Interstate 10, for a distance of 213.36 feet, to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being located in the easterly boundary line of that certain called 2.705 acre tract as conveyed to Harris County Flood Control District, by deed recorded in Volume 3351, Page 675 of the Deed Records of Harris County, Texas;

THENCE along the easterly boundary line of the said 2.705 acre tract the following four (4) courses and distances:

North 61°11'51" West, for a distance of 111.89 feet to a 5/8 inch iron rod found for corner;

North 40°40'37" West, for a distance of 115.09 feet to a 1/2 inch iron rod found for corner;

North 05°13'23" West, for a distance of 99.77 feet to a 5/8 inch iron rod found for corner;

North 24°23'27" East, for a distance of 68.01 feet to a 5/8 inch iron rod with plastic cap set for corner;

THENCE South 89°11'52" East, for a distance of 69.47 feet to a "MAG" nail set for corner;

THENCE North 87°17'00" East, for a distance of 258.82 feet, to a "MAG" nail set for corner, said iron rod being located in the westerly right-of-way line of 4th Avenue, based on a width of 70 feet;

THENCE South 02°43'00" East, along the westerly line of the said 4th Avenue, for a distance of 55.23 feet, to a 5/8 inch iron rod found for corner, said iron rod being the southwest boundary corner of said 4th Avenue;

THENCE North 87°17'54" East, along the southerly right-of-way lien of said 4th Avenue, for a distance of 26.00 feet, to a 3/8 inch iron rod with plastic cap found for corner, said iron rod being the northwest boundary corner of that certain tract conveyed to Cal-Tex Citrus Juice, Inc., by deed recorded under Harris County Clerk's File No. M567201;

THENCE South 02°42'06" East, along the said Cal-Tex Citrus Juice, Inc. tract, for a distance of 150.00 feet, to a 3/8 inch iron rod with plastic cap found for corner, said iron rod being the southwest boundary corner of the said Cal-Tex Citrus Juice, Inc. tract;

THENCE North 87°18'28" East, along the southerly boundary line of the said Cal-Tex Citrus Juice, Inc. tract, for a distance of 22.65 feet, to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being located in the westerly right-of-way line of said Yale Street;

THENCE South 02°42'06" East, along the westerly right-of-way line of said Yale Street, for a distance of 76.19 feet, to the **POINT OF BEGINNING** and containing within these calls 106,415 square feet or 2.4429 acres of land.

EXHIBIT "B"

PERMITTED EXCEPTIONS

1. A right-of-way and easement for a railroad spur track granted to Texas and New Orleans Railroad Company as described by instrument dated March 18, 1960, recorded under Harris County Clerk's File No. B164694 (Volume 3997, Page 615 Deed Records of Harris County, Texas ("DRHCT")).
2. Storm water sewer easement granted to the City of Houston Heights dated March 30, 1915, recorded in Volume 346, Page 145 DRHCT.
3. Houston Lighting and Power Company easement for down guy with wires, as shown on blueprint sketch No. A-3622-H, prepared by Houston Lighting and Power Company, attached to and made a part of instrument granting same, recorded under Harris County Clerk's File No. B433567 (Volume 4581, Page 66 DRHCT).
4. Interest in and to oil, gas and other minerals and/or royalties, bonuses, rentals and all other rights relating thereto as set forth in the document under Harris County Clerk's File No. N559756.
5. Interest in and to oil, gas and other minerals and/or royalties, bonuses, rentals and all other rights relating thereto as set forth in the document Recording No.: Harris County Clerk's File No. P036914.

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ER 054 - 84 - 2358

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e-Filed & e-Recorded in the
Official Public Records of
HARRIS COUNTY
STAN STANART
COUNTY CLERK
Fees 52.00

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.



Stan Stanart
COUNTY CLERK
HARRIS COUNTY, TEXAS

WD
A

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

**SPECIAL WARRANTY DEED
(403 Yale Street)**

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

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YALE STREET PROPERTIES, LLC, as "Grantor", for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) paid to Grantor and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and confessed, has GRANTED, SOLD and CONVEYED and does hereby GRANT, SELL and CONVEY unto **5401 LAWDALE LLC**, a Texas limited liability company, an undivided Seventy Percent (70%) interest in the below-described real property, and **YALE MIDTOWN PARTNERS, LLC**, a Texas limited liability company, an undivided Thirty Percent (30%) interest in the below-described real property, as tenants-in-common (collectively, "**Grantee**"), each of whose address is 101 Crawford St., #100, Houston, TX 77002, the real property located in Harris County, Texas, as more particularly described in **Exhibit "A"** attached hereto and incorporated herein by reference, together with any improvements located on such land (such land and improvements being collectively referred to as the "**Property**").

This conveyance is made and accepted subject to the following matters (the "**Permitted Exceptions**"): (i) the matters set forth on **Exhibit "B"** attached hereto; (ii) all matters that a correct survey of the Property would show; (iii) all matters herein stated, and (iv) any and all laws, ordinances, and governmental regulations now applicable to and enforceable against, the Property.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances pertaining thereto, subject to the Permitted Exceptions and those matters hereafter set forth, unto Grantee and Grantee's successors and assigns forever, and Grantor does hereby bind Grantor and Grantor's its successors and legal representatives to WARRANT and FOREVER DEFEND the Property unto Grantee and Grantee's successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereto, by, through or under Grantor, but not otherwise.

The Property is conveyed to Grantee in its present condition, "**AS IS, WITH ALL FAULTS, AND WITHOUT ANY WARRANTY WHATSOEVER, EXPRESS OR IMPLIED.**" Except as otherwise set forth in that certain Purchase and Sale Agreement, between, *inter alia*, Grantor and Grantee, dated September 17, 20013 (as amended, the "**Agreement**"), it is understood and agreed that Grantor and Grantor's agents or employees have not made and are not now making, and they specifically disclaim, any warranties, representations

or guaranties of any kind or character, express or implied, oral or written, past, present or future, with respect to the Property, including, but not limited to, warranties, representations or guaranties as to (a) matters of title (other than Grantor's warranty of title set forth in this Deed); (b) environmental matters relating to the Property or any portion thereof; (c) geological conditions, including, without limitation, subsidence, subsurface conditions, water table, underground water reservoirs, limitations regarding the withdrawal of water and earthquake faults and the resulting damage of past and/or future earthquakes; (d) whether, and to the extent to which the Property or any portion thereof is affected by any stream (surface or underground), body of water, flood prone area, flood plain, floodway or special flood hazard; (e) drainage; (f) soil conditions, including the existence of instability, past soil repairs, soil additions or conditions of soil fill, or susceptibility to landslides, or the sufficiency of any under shoring; (g) zoning to which the Property or any portion thereof may be subject; (h) the availability of any utilities to the Property or any portion thereof including, without limitation, water, sewage, gas and electric; (i) usages of adjoining property; (j) access to the Property or any portion thereof, (k) the value, compliance with the plans and specifications, size, location, age, use, design, quality, description, suitability, structural integrity, operation, title to, or physical or financial condition of the Property or any portion thereof, or any income, expenses, charges, liens, encumbrances, rights or claims on or affecting or pertaining to the Property or any part thereof (other than Grantor's warranty of title set forth in this Deed); (l) the presence of Hazardous Substances (hereinafter defined) in or on, under or in the vicinity of the Property; (m) the condition or use of the Property or compliance of the Property with any or all past, present or future federal, state or local ordinances, rules, regulations or laws, building, fire or zoning ordinances, codes or other similar laws; (n) the existence or non-existence of underground storage tanks; (o) any other matter affecting the stability or integrity of the Property; (p) the potential for further development of the Property; (q) the existence of vested land use, zoning or building entitlements affecting the Property; (r) the merchantability of the Property or fitness of the Property for any particular purpose (Grantee affirming that Grantee has not relied on Grantor's or Grantor's agents' or employees' skill or judgment to select or furnish the Property for any particular purpose, and that Grantor makes no warranty that the Property is fit for any particular-purpose); or (s) tax consequences. **EXCEPT AS EXPRESSLY SET FORTH HEREIN, GRANTOR MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND TO GRANTEE, INCLUDING, WITHOUT LIMITATION, THE PHYSICAL CONDITION OF THE PROPERTY AND ANY IMPROVEMENTS LOCATED THEREON, OR THEIR SUITABILITY FOR ANY PARTICULAR PURPOSE OR OF MERCHANTABILITY.**

Grantee's Release of Grantor

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- (b) Grantor Released From Liability. Grantee, for itself and its legal representatives, heirs, successors, assigns, and affiliates, and the respective legal representatives, heirs, successors, assigns, and affiliates of such persons or entities (collectively, "Grantee Parties"), as applicable, does hereby forever **IRREVOCABLY RELEASE**, hold harmless, and forever discharge Grantor and its respective agents, employees, officers, directors, partners, controlling persons, and affiliates (collectively, the "Grantor Parties") from any and all claims, demands, responsibilities, liabilities, or causes of action at law or equity arising out of or related to the condition, valuation, salability, or utility of the Property, or its suitability for any purpose whatsoever including, but not limited to, with respect to the presence in the Environment of Hazardous Substances, any voluntary or required investigatory or remedial action to respond to or address suspected or actual Hazardous Substances in the Environment, any active or inactive water wells on the Property, or any environmental, structural or geologic condition on, under, adjacent to, migrating to or from, or otherwise affecting the Property. Without any limitation of the foregoing, Grantee specifically does hereby forever **IRREVOCABLY RELEASE** the Grantor Parties from any claims the Grantee Parties may have against any Grantor Parties now or in the future under the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. §§ 9601 et seq., as amended ("CERCLA"); the Resources Conservation and Recovery Act, 42 U.S.C. §§ 6901 et seq., as amended ("RCRA"); and the Texas Solid Waste Disposal Act, Tex. Health & Safety Code, Chapter 361, as amended ("TSWDA"); any other analogous state or federal statute; and common law arising from the environmental conditions of the Property or the presence of Hazardous Substances, on, under, adjacent to, migrating to or from, or otherwise affecting the Property. Grantee further hereby **WAIVES** (and by closing this transaction will be deemed to have **WAIVED**) any and all objections and complaints (including, but not limited to, federal, state and local statutory and common law based actions, and any private right of action under any federal, state or local laws, regulations or guidelines to which the Property is or may be subject, including, but not limited to, CERCLA and RCRA) regarding the physical characteristics and any existing conditions of the Property, including, without limitation, environmental, structural and geologic conditions, and Hazardous Substances on, under, adjacent to, migrating to or from, or otherwise affecting the Property. Grantee further hereby assumes the risk of changes in applicable laws and regulations relating to past, present and future environmental, structural or geological conditions on the Property and the risk that adverse physical characteristics and conditions, including, without limitation, the presence of Hazardous Substances, may not have been revealed in whole or in part by its investigation. Grantee expressly acknowledges that Grantee has not relied on any warranties, promises, understandings or representations, express or implied, oral or written, of any Grantor Party, relating to the Property which are not contained in the Agreement, and that Grantee is acquiring the Property in its present condition and state of repair, "*as is, where is*", with all defects, latent or apparent. For purposes hereof, "Hazardous Substances" means: (i) any "hazardous waste," "industrial waste," "solid waste," "hazardous material," "hazardous substance,"

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Grantor, for the same consideration and subject to the Permitted Encumbrances, grants, sells, and conveys to Grantee, without any warranty, whether express or implied, all of Grantor’s right, title and interest (if any) in and to, the strips and gores, if any, between the Property and any abutting or adjacent property, and any land lying in or under any alleyways, streets, or public thoroughfare, opened or proposed, contained within, abutting or adjacent to the Property, together with, all and singular, the rights and appurtenances thereto in any way belonging to the Property or any of the foregoing, including, but not limited to, all easements appurtenant to the Property, if any; all easements and other rights-of-way and appurtenances used in connection with the beneficial use and enjoyment of the Property, if any; and all rights to water capacity, sanitary sewer wastewater capacity, water and storm drainage service, and other utility rights, if any, applicable to the Property; to have and to hold the aforesaid unto Grantee, and Grantee’s successors and assigns, forever. All warranties that might arise by common law, by statute or otherwise, including, without limitation, the warranties set forth in Section 5.023 (as amended) of the Texas Property Code (or its successor), are expressly excluded as to the properties and items conveyed by this paragraph.

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REMAINDER INTENTIONALLY LEFT BLANK

EXECUTED on the date set forth in the acknowledgment attached hereto to be effective as of the 14th day of March, 2014.

GRANTOR:

YALE STREET PROPERTIES, LLC, 1OR
a Texas Limited Liability Company

By: [Signature]
Name: S. Craig Schneider
Title: Manager

By: Bank of America, N.A., Trustee of
The S. Craig Schneider GST Exempt Trust
The Diane S. Pease GST Exempt Trust
The Carla S. Rodenkirk GST Exempt Trust, Manager

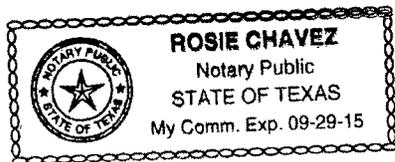
By: [Signature]
Name: Gary G. Martin, Jr., Sr. Vice President

ER 054 - 84 - 2363

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

The foregoing instrument was acknowledged before me on this 14th day of March, 2014, by S. Craig Schneider, Manager of **YALE STREET PROPERTIES, LLC**, a limited liability company, on behalf of said limited liability company.

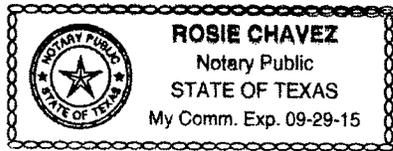
[Signature]
Notary Public in and for
The State of Texas



THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

The foregoing instrument was acknowledged before me on this 14th day of March, 2014, by Gary G. Martin, Jr., Sr. Vice President of Bank of America, N.A. (as Trustee of The S. Craig Schneider GST Exempt Trust, The Diane S. Pease GST Exempt Trust and The Carla S. Rodenkirk GST Exempt Trust), in turn as Manager of **YALE STREET PROPERTIES, LLC**, a limited liability company, on behalf of said limited liability company.

Rosie Chavez



Notary Public in and for
The State of Texas

ER 054 - 84 - 2364

AGREED AND ACCEPTED BY GRANTEE:

5401 LAWNSDALE LLC
a Texas limited liability company

(2)
1EE

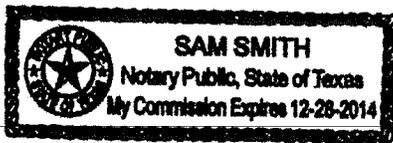
By: _____

MIR AZIZI, Manager

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

The foregoing instrument was acknowledged before me on this 14 day of March, 2014, by MIR AZIZI, Manager of **5401 LAWNSDALE LLC**, a Texas limited liability company, on behalf of said limited liability company.

Notary Public in and for
The State of _____



ER 054 - 84 - 2365

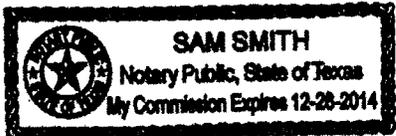
YALE MIDTOWN PARTNERS, LLC
a Texas limited liability company

1EE

By: *Pierre Bejjani*
PIERRE BEJJANI, Manager

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

The foregoing instrument was acknowledged before me on this 14 day of March, 2014, by PIERRE BEJJANI, Manager of YALE MIDTOWN PARTNERS, LLC, a Texas limited liability company, on behalf of said limited liability company.



Sam Smith
Notary Public in and for
The State of _____

ER 054 - 84 - 2366

- Exhibit "A" - Legal Description
- Exhibit "B" - Permitted Exceptions

EXHIBIT "A"

LEGAL DESCRIPTION OF PROPERTY

Being 1.4931 acres of land situated in the John Austin Survey, Abstract No. 1, City of Houston, Harris County, Texas, and being a portion of that certain called 1.6168 acre tract and a 0.049 acre tract as conveyed to Yale Street Properties, LLC, by deed recorded under Harris County Clerk's File No. 20080612226 and being portions of Block 290, Block 315 and the alleyway between said Blocks, according to the map or plat thereof for the Houston Heights, recorded in Volume 1, Page 114, of the Map Records of Harris County, Texas. Said 1.4931 acre tract being more fully described by metes and bounds as follows:

D

- All bearings referenced herein are based on the monuments found for the northerly right-of-way line of Interstate 10, South 87°17'54" West.

COMMENCING at an aluminum disk (stamped "TxDOT"), found for the northwest boundary corner of a called 0.0046 acre tract as conveyed to the State of Texas, by deed recorded under Harris County Clerk's File No. Y372262, and being the westerly right-of-way line of Yale Street, based on a width of 70 feet;

THENCE North 02°42'06" West, along the westerly right-of-way line of said Yale Street, for a distance of 296.19 feet to a point for corner, said point being the southeasterly boundary corner of said Block 290, and being the intersection of the westerly right-of-way line of said Yale Street with the northerly right-of-way line of said 4th Avenue, based on a width of 70 feet;

THENCE South 87°17'54" West, along the northerly right-of-way line of said 4th Avenue, for a distance of 42.07 feet to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being the **POINT OF BEGINNING** of the herein described tract of land;

THENCE South 87°17'54" West, along the northerly right-of-way line of said 4th Avenue, for a distance of 6.60 feet, a 5/8 inch iron rod with plastic cap found for the northwest right-of-way corner of said 4th Avenue;

THENCE South 02°43'00" East, along the westerly right-of-way line of said 4th Avenue, for a distance of 14.77 feet to a "MAG" nail set for corner;

THENCE South 87°17'00" West, for a distance of 258.82 feet to a "MAG" nail set for corner;

THENCE North 89°11'52" West, for a distance of 69.47 feet to a 5/8 inch iron rod with plastic cap set for corner, said iron rod being located in the easterly boundary line of a called 5.691 acre tract as conveyed to Harris County Flood Control District, by deed recorded in Volume 3488, Page 19 of the Deed Records of Harris County, Texas;

THENCE along the easterly boundary line of the said 5.691 acre tract the following five (5) courses and distances:

ER 054 - 84 - 2367

North 24°23'27" East, for a distance of 15.70 feet to a 3/8 inch iron rod found for corner;

North 38°19'28" East, for a distance of 205.21 feet to a 1/2 inch iron rod found for corner;

North 77°23'36" East, for a distance of 22.00 feet to a 1/2 inch iron rod found for corner;

North 59°26'19" East, for a distance of 41.77 feet to a 5/8 inch iron rod with plastic cap found for corner;

North 09°13'43" East, for a distance of 18.90 feet to a 5/8 inch iron rod with plastic cap found for corner;

THENCE North 87°17'54" East, for a distance of 40.47 feet to a 3/8 inch iron rod with plastic cap found for corner, said iron rod being located at an interior corner of the said 1.6168 acre tract;

THENCE North 02°42'06" West, for a distance of 150.00 feet to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being located in the southerly boundary line of Danburg Estates, Section Three, according to the map or plat thereof as recorded under Film Code No. 607082, of the Map Records of Harris County, Texas;

THENCE North 87°17'54" East, along the southerly boundary of the said Danburg Estates, Section Three, for a distance of 83.31 feet, to a 5/8 inch iron rod with plastic cap found for corner, said iron rod being the northeasterly boundary corner of the said 1.6168 acre tract;

THENCE South 02°43'00" East, along the easterly boundary line of the said 1.6168 acre tract, for a distance of 100.00 feet, to a 3/8 inch iron rod with plastic cap set for corner, said iron rod being the northwesterly boundary corner of the said 0.049 acre tract;

THENCE North 87°17'54" East, along the northerly boundary line of the said 0.049 acre tract, for a distance of 6.60 feet, to a 3/8 inch iron rod with plastic cap found for corner, said iron rod being located at the northeasterly boundary corner of the said 0.049 acre tract;

THENCE South 02°42'06" East, along the easterly boundary line of the said 0.049 acre tract, for a distance of 250.00 feet, to the **POINT OF BEGINNING** and containing within these calls 65,037 square feet or 1.4931 acres of land.

EXHIBIT "B"

PERMITTED EXCEPTIONS

1. A right-of-way and easement for a railroad spur track granted to Texas and New Orleans Railroad Company as described by instrument dated March 18, 1960, recorded under Harris County Clerk's File No. B164694 (Volume 3997, Page 615 Deed Records of Harris County, Texas ("DRHCT")).
2. Storm water sewer easement granted to the City of Houston Heights dated March 30, 1915, recorded in Volume 346, Page 145 DRHCT.
3. Houston Lighting and Power Company easement for down guy with wires, as shown on blueprint sketch No. A-3622-H, prepared by Houston Lighting and Power Company, attached to and made a part of instrument granting same, recorded under Harris County Clerk's File No. B433567 (Volume 4581, Page 66 DRHCT).
4. Interest in and to oil, gas and other minerals and/or royalties, bonuses, rentals and all other rights relating thereto as set forth in the document under Harris County Clerk's File No. N559756.
5. Interest in and to oil, gas and other minerals and/or royalties, bonuses, rentals and all other rights relating thereto as set forth in the document Recording No.: Harris County Clerk's File No. P036914.

ER 054 - 84 - 2369

ER 054 - 84 - 2370

20140106135
Pages 12
03/17/2014 13:44:56 PM
e-Filed & e-Recorded in the
Official Public Records of
HARRIS COUNTY
STAN STANART
COUNTY CLERK
Fees 56.00

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.



Stan Stanart

COUNTY CLERK
HARRIS COUNTY, TEXAS

Appendix B

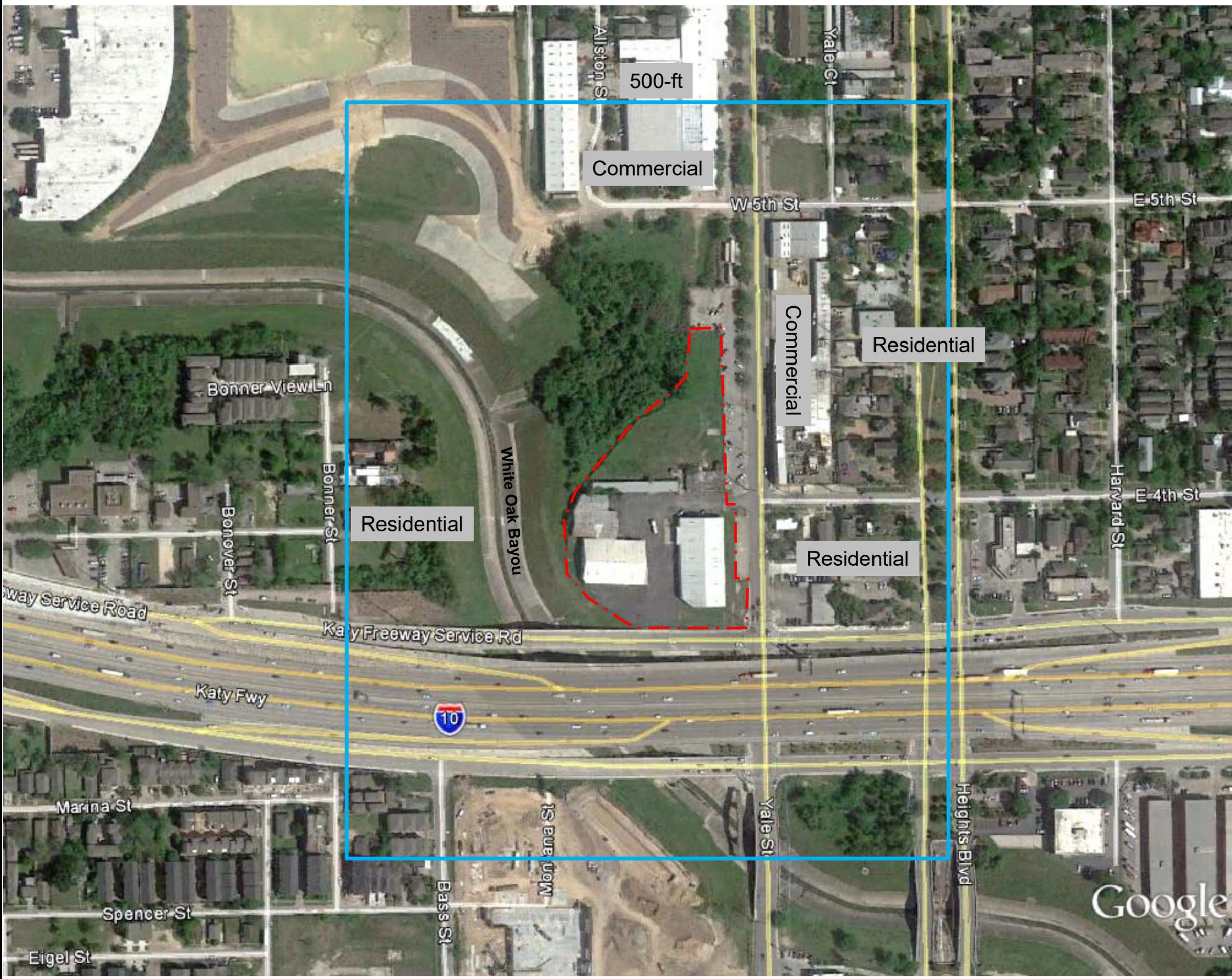
A description of the current use, and, to the extent known, the anticipated use(s), of the designated property and properties within 500 feet of the boundary of the designated property.

The proposed MSD area is 3.9360-acres.

The property is located west of downtown Houston, Harris County, Texas and within the City of Houston limits. The affected property is located in a mix of residential and commercial development (**Figure B**). **Figure B** provides a description of the surrounding land use within 500-feet of the site.

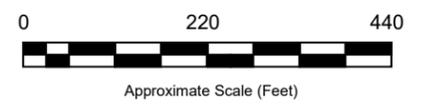
The current and future use of the subject property is expected to remain commercial in the near future. The area is undergoing a transition from commercial development to high density and multi-family residential development. The planned future development for the subject property is a high rise residential development with some retail commercial. Portions of the property outside the impacted area will likely be used for parking and floodway mitigation. The following is a description of the surrounding land use:

- North – multi-family residential apartments and retail commercial development;
- East – a mix of residential, retail and commercial/industrial development;
- South –Interstate Highway 10 and retail commercial development;
- West – Whiteoak Bayou/mix of primarily residential development with some retail and commercial development.



LEGEND:

-  MSD Boundary
-  500-ft Boundary



InControl Technologies, Inc.
 14731 Pebble Bend Drive
 Houston, Texas 77068
 (281) 580-8892 FAX (281) 580-8853

500-ft Radius Map

CLIENT:		Yale Street Properties		PM:	MFM
LOCATION:		357 Yale St. Houston, Texas 77007		CHECKED:	
DETAILED:	DESIGNED:	PROJECT NO:	FIGURE:		
LMG	9/21/06	721-101	B		

Appendix C

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 including the nearest surface water body 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 exceedance zone for each contaminant of concern, to the extent known.
- g. Depth to groundwater for each affected zone.

The following is a listing of figures included in **Appendix C**.

Figure C1 – Topographic Map

Figure C2 – Watershed Map

Figure C3 – Flood Plain Map

Figure C4 – Arsenic Concentrations in Groundwater (August 2016)

Figure C5 – Soil Boring Location Map

Figure C6 – Groundwater Monitoring Well Location Map

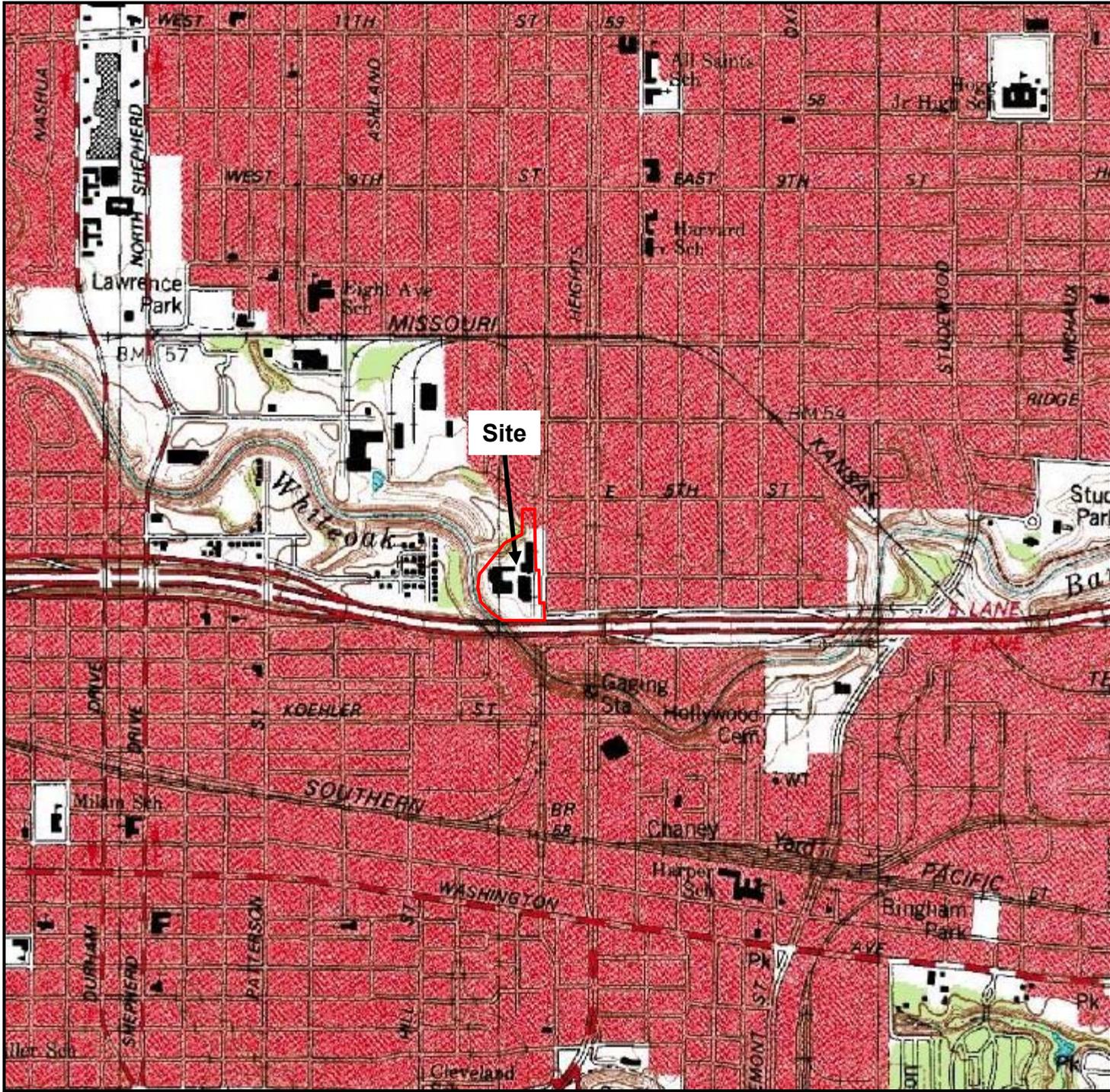
Figure C7 – Groundwater Gradient Map (August 2016)

Figure C1 depicts the geographic location of the site. The subject property is located in the Whiteoak Bayou watershed (**Figure C2**) and the property is located in Zone AE, which is within the 100-year floodplain (**Figure C3**). Whiteoak Bayou borders the subject property on the western side.

Figure C4 depicts the arsenic Protective Concentration Level Exceedance (PCLE) zone associated with the subject property. **Figure C5** and **Figure C6** depict the locations of the soil and groundwater samples, respectively. The groundwater gradient flows consistently to the west toward Whiteoak Bayou. The general groundwater gradient is approximately 0.053 feet/foot (**Figure C7**). The primary chemical of concern (COC) at the subject property is arsenic that was sourced from the manufacture of arsenic based herbicides and pesticides. There are two sets of secondary COCs. The first set of secondary COCs are chlorinated volatile organic compounds (VOCs) tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride (VC), and 1,1-dichloroethene (1,1-DCE) are sourced from the former Gulf Laundry and Cleaning Supply. The second set of secondary COCs are fuel related VOCs benzene, toluene, ethylbenzene, and xylene are sourced from the former LPST site that was located on the subject property. There is no VOC PCLE zone.

The first groundwater bearing unit is comprised of sand and is encountered at a depth of approximately 20- to 30-feet bgs. There is a shallow groundwater unit near Yale Street (approximately 20-feet bgs) and the unit drops to about 30-feet bgs at mid property toward Whiteoak Bayou. The base of the first groundwater bearing unit is encountered at a depth of approximately 35- to 45-ft bgs in this area of the site and its the

location of the arsenic in groundwater. This portion of the upper groundwater bearing unit is underlain by a stiff dry clay. While the sand unit is approximately 15-feet thick in most of the monitoring wells, the groundwater is not present in this unit until 30- to 35-ft bgs depending on the location across the property. The groundwater monitoring wells at this site are under unconfined conditions and fluctuate based on surface water infiltration. The average static depth to groundwater in the monitoring wells ranges from 20-feet bgs on the eastern side of the property to 30-feet bgs on the western side of the property. The depth to groundwater mirrors the drop in the transmissive unit across the site.



LEGEND:



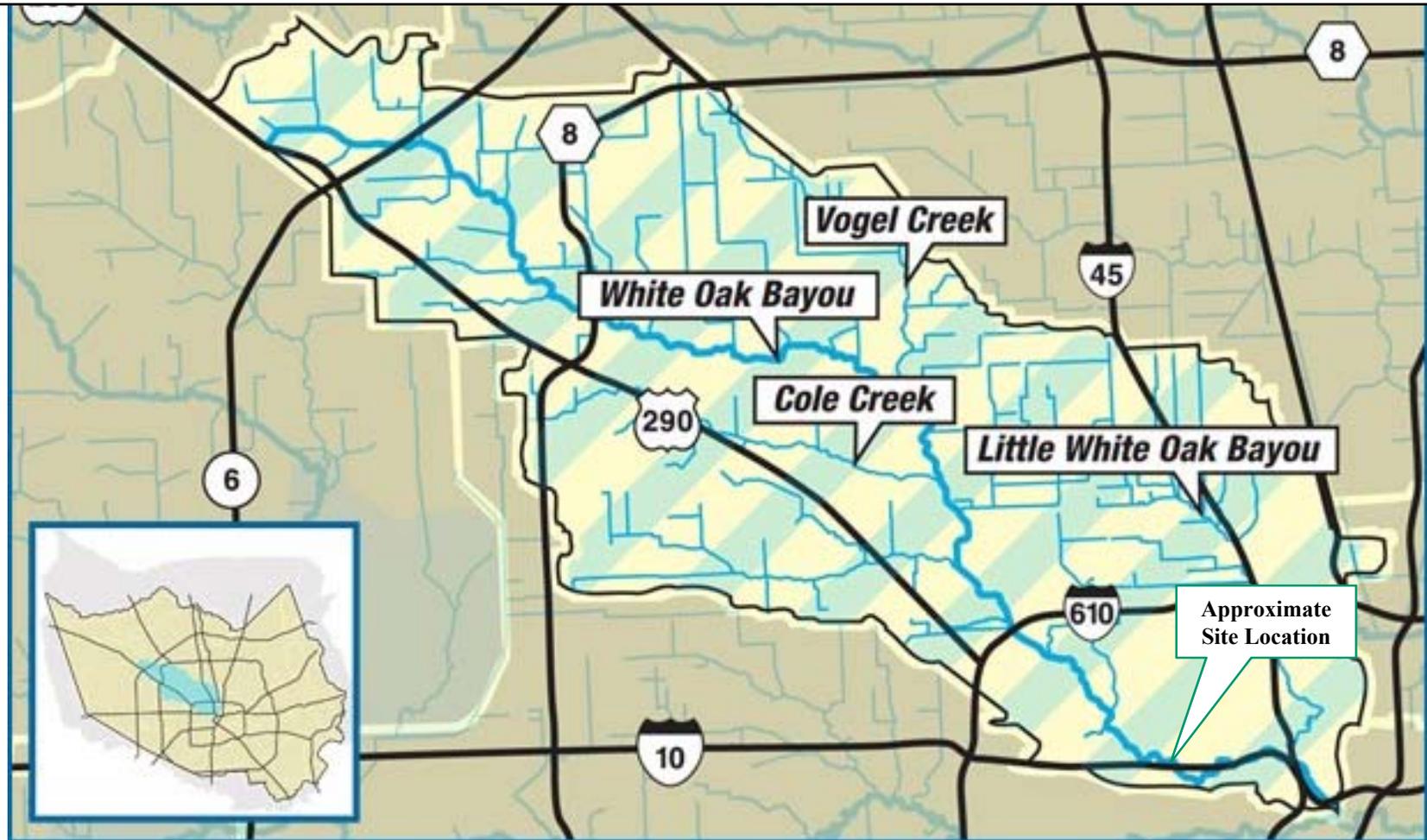
Subject Property



InControl Technologies, Inc.
 14731 Pebble Bend Drive
 Houston, Texas 77068
 (281) 580-8892 FAX (281) 580-8853

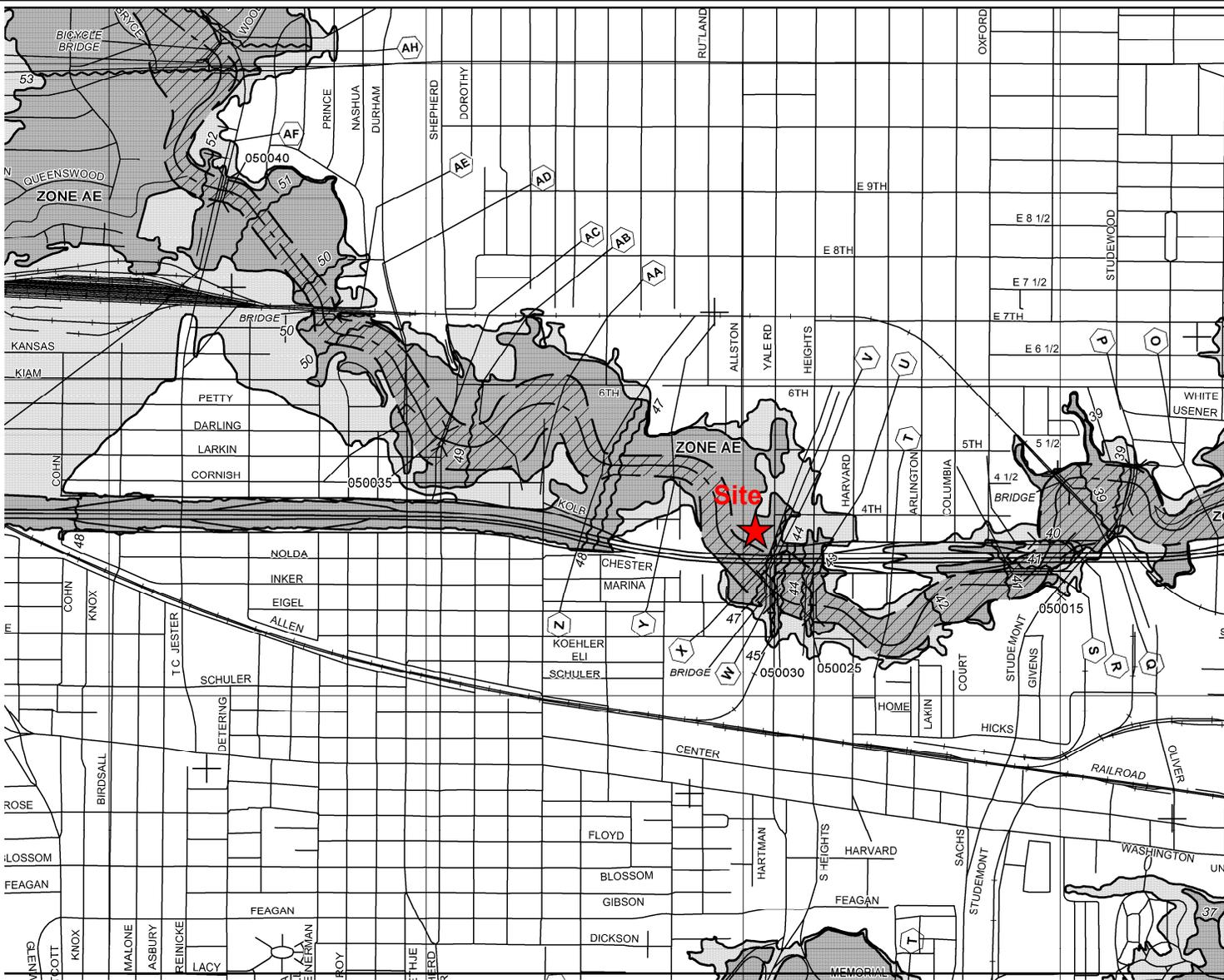
**7.5 Minute Quadrangle
 Site Location Map**

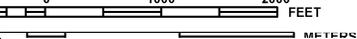
CLIENT:	Yale Street Properties		PM:	MFM
LOCATION:	357 Yale Street Houston, Texas 77007			CHECKED:
DETAILED:	MFM	DESIGNED:	5/6/2013	PROJECT NO:
			721-101	FIGURE:
				C1



Source: Harris County Flood Control District

InControl Technologies, Inc.			
14731 Pebble Bend Drive Houston, Texas 77068 (281) 580-8892 FAX (281) 580-8853			
7.5 Minute Quadrangle Site Location Map			
CLIENT:	Yale Street Properties		PM: MFM
LOCATION:	357 Yale Street Houston, Texas 77007		CHECKED:
DETAILED:	DESIGNED:	PROJECT NO.:	FIGURE:
MFM	5/6/2013	721-101	C2




MAP SCALE 1" = 1000'


NATIONAL FLOOD INSURANCE PROGRAM
PANEL 0670M
FIRM
FLOOD INSURANCE RATE MAP
HARRIS COUNTY, TEXAS
AND INCORPORATED AREAS
PANEL 670 OF 1150
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HOUSTON, CITY OF	480296	0670	M

Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.


MAP NUMBER
48201C0670M

MAP REVISED
JUNE 9, 2014

 Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

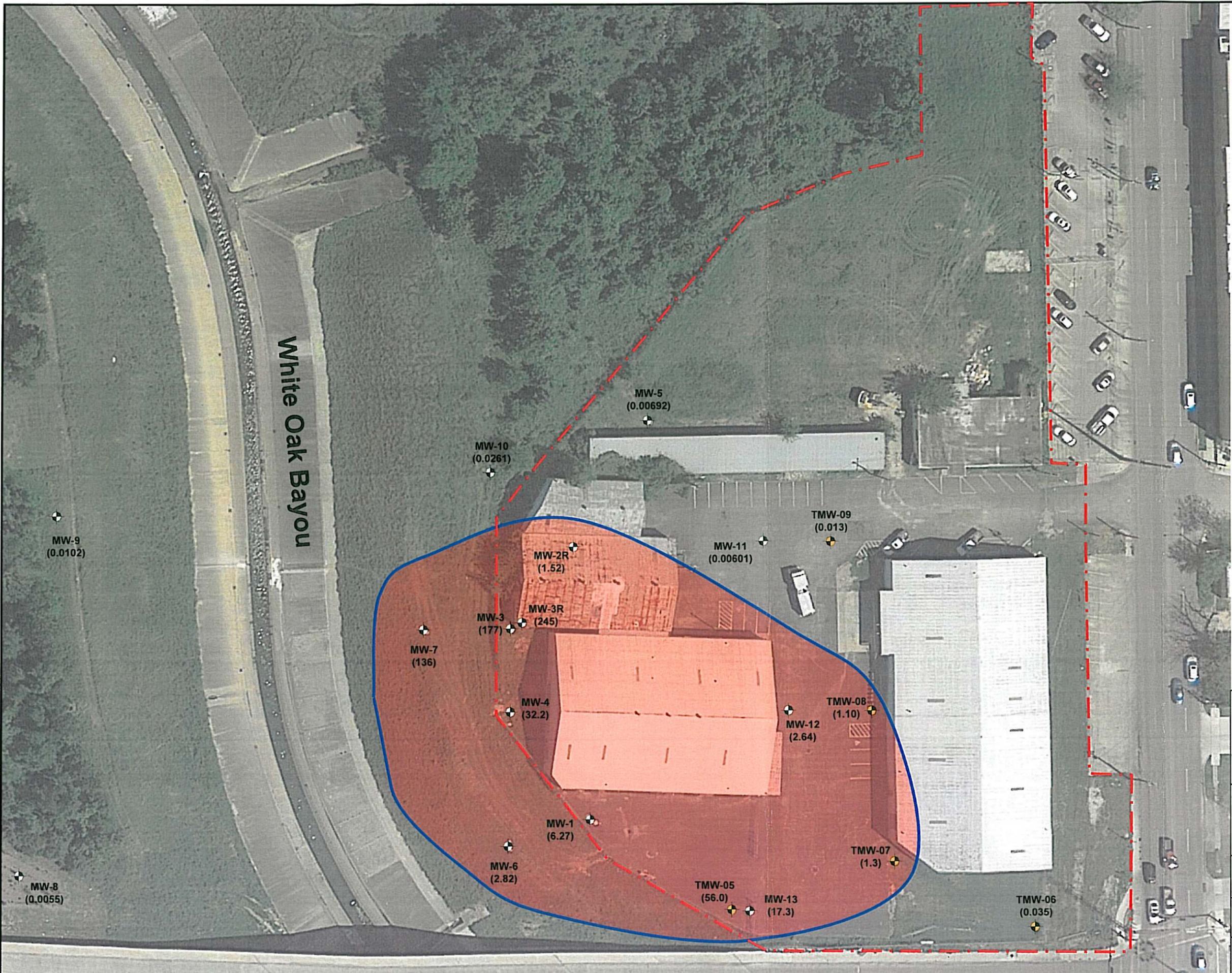
Zone AE: Within the 100-year flood plain

InControl Technologies, Inc.
 14731 Pebble Bend Drive
 Houston, Texas 77068
 (281) 580-8892 FAX (281) 580-8853

Flood Plain Map

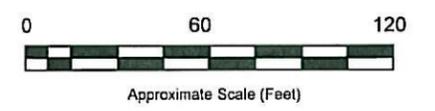
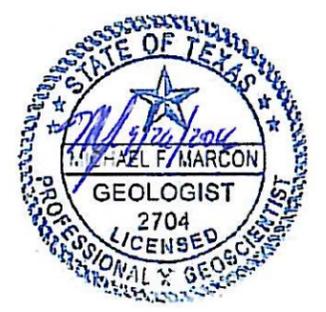
Source: FEMA

CLIENT:	Yale Street Properties	PM:	MFM
LOCATION:	357 Yale Street Houston, Texas 77007	CHECKED:	
DETAILED:	8/15/16	DESIGNED:	LMG
PROJECT NO.:	721-101	FIGURE:	C3



LEGEND:

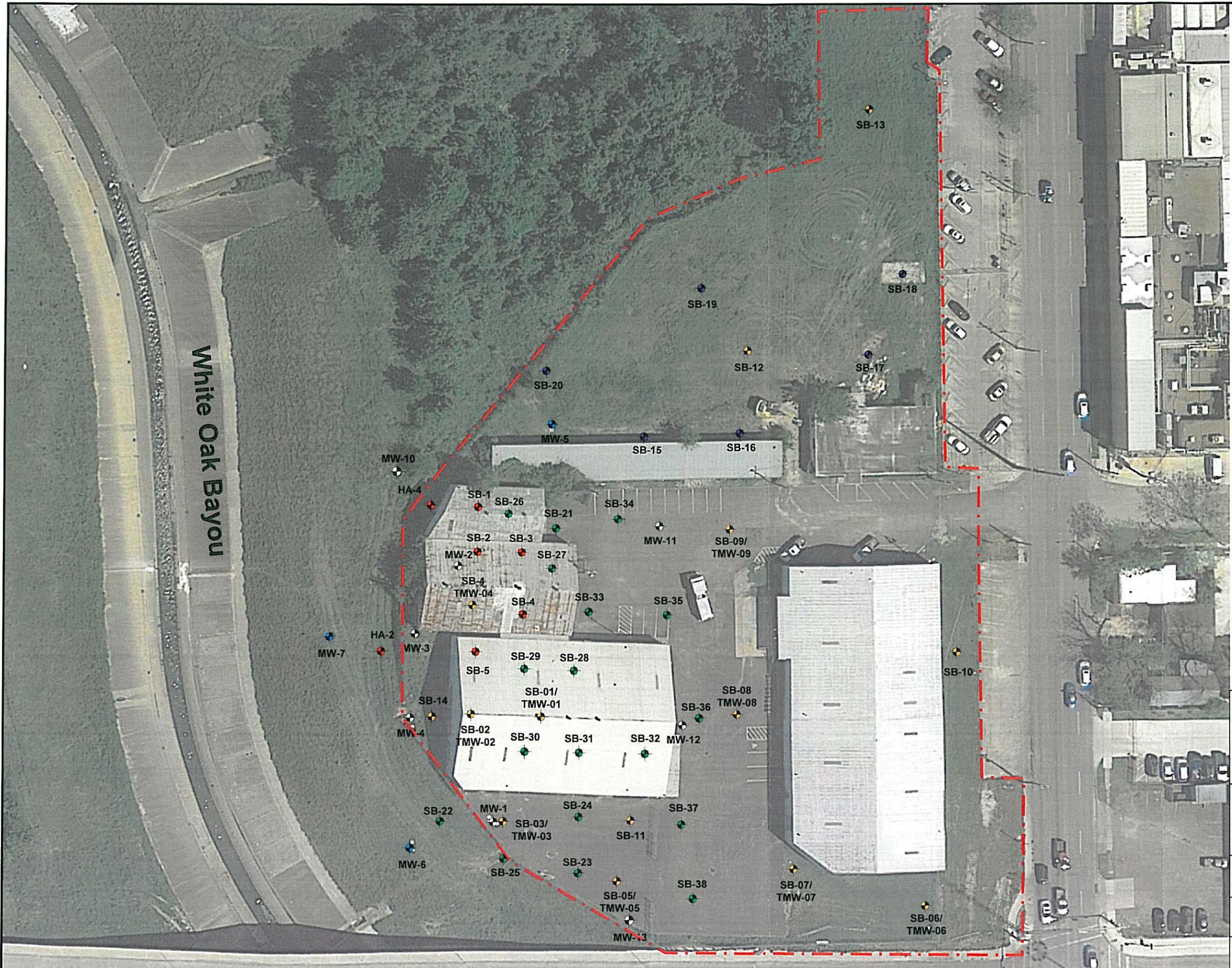
-  MSD Boundary
-  Temporary Groundwater Monitoring Wells
-  Groundwater Monitoring Well
-  Groundwater PCLE Zone



InControl Technologies, Inc.
 14731 Pebble Bend Drive
 Houston, Texas 77068
 (281) 580-8892 FAX (281) 580-8853

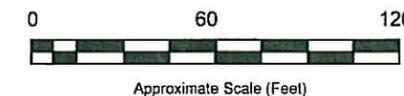
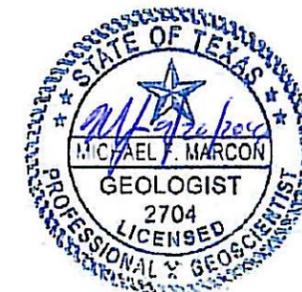
**Distribution of Arsenic
 In Groundwater
 August 2016**

CLIENT:	Yale Street Properties		PM:	MFM
LOCATION:	357 Yale St. Houston, Texas 77007		CHECKED:	
DETAILED:	DESIGNED:	PROJECT NO:	FIGURE:	
MFM	5/6/16	721-101	C4	



LEGEND:

-  MSD Boundary
-  Soil Boring Locations/
Temporary Groundwater Well
-  October 2013 Soil Borings
-  October 2013 Groundwater Wells
-  December 2013 Groundwater Wells
-  December 2013 Soil Borings
-  September 2014 Soil Borings



InControl Technologies, Inc.

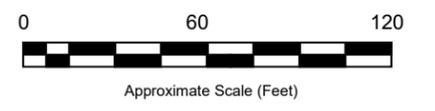
14731 Pebble Bend Drive
Houston, Texas 77068
(281) 580-8892 FAX (281) 580-8853

Soil Boring Location Map

CLIENT:	Yale Street Properties	PM:	MFM
LOCATION:	357 Yale St. Houston, Texas 77007	CHECKED:	
DETAILED:	DESIGNED:	PROJECT NO:	FIGURE:
MFM	11/11/14	721-101	C5



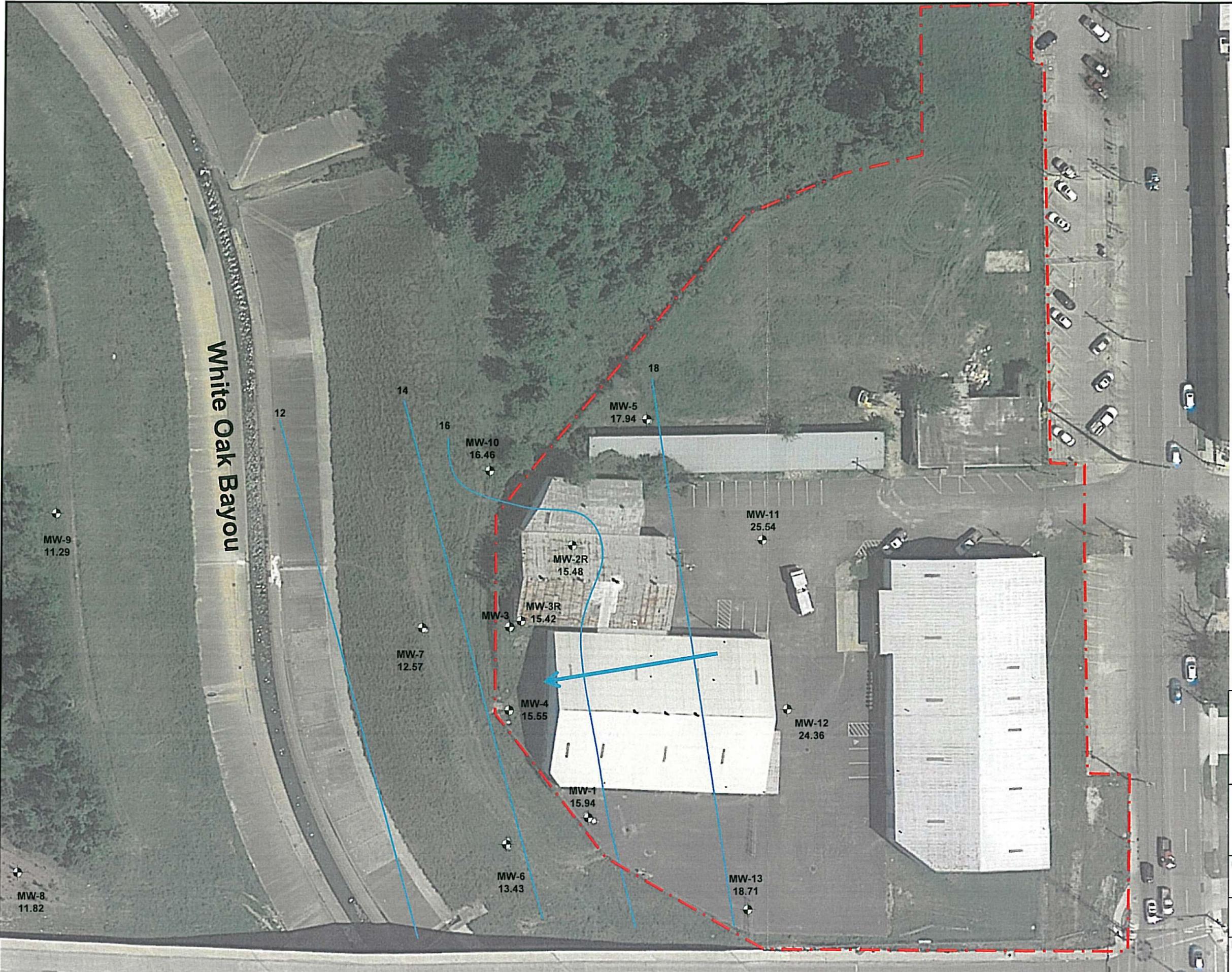
- LEGEND:**
-  MSD Boundary
 -  Temporary Groundwater Monitoring Wells
 -  Groundwater Monitoring Well
 -  Surface Water Sampling Location



InControl Technologies, Inc.
 14731 Pebble Bend Drive
 Houston, Texas 77068
 (281) 580-8892 FAX (281) 580-8853

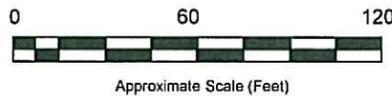
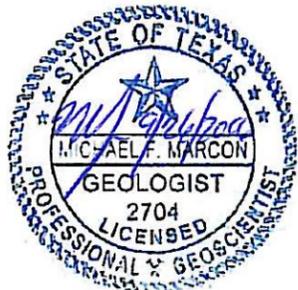
Groundwater Monitoring Well Location Map

CLIENT: Yale Street Properties		PM: MFM
LOCATION: 357 Yale St. Houston, Texas 77007		CHECKED:
DETAILED: MFM	DESIGNED: 11/11/14	PROJECT NO: 721-101
		FIGURE: C6



LEGEND:

-  MSD Boundary
-  Groundwater Monitoring Well
-  Groundwater Gradient Contour
-  Groundwater Flow Direction



InControl Technologies, Inc.
 14731 Pebble Bend Drive
 Houston, Texas 77068
 (281) 580-8892 FAX (281) 580-8853

**Groundwater Gradient Map
 August 2016**

CLIENT: Yale Street Properties		PM: MFM
LOCATION: 357 Yale St. Houston, Texas 77007		CHECKED:
DETAILED: MFM	DESIGNED: 5/6/16	PROJECT NO: 721-101
		FIGURE: C7

Appendix D

For each contaminant of concern within the designated groundwater:

- a. A description of the ingestion protective concentration level exceedance zone and the non-ingestion protective concentration level exceedance 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) Protective Concentration Level Exceedance (PCLE) Zone – A review of recent groundwater sampling data indicates that arsenic is the only chemical of concern (COC) that currently exceeds a Tier 1 $^{GW}_{Ing}$ Protective Concentration Level (PCL) (**Table D1**). The Protective Concentration Level Exceedance (PCLE) zone is depicted on **Figure C4** and is discussed in more detail below. The concentrations in all monitoring wells are stable to decreasing. The area of affected groundwater is fully delineated.

This groundwater plume is at least 65 years old. Operations ceased at this facility in the late 1940s or early 1950s. Since then, there were no contributing sources present on the subject property. The source of the contamination was the former Chipman Chemical Engineering Company that manufactured arsenic-based herbicides and pesticides. Monitoring wells MW-3 and MW-3R were installed in the former source area to help understand the geochemistry of arsenic in the groundwater zone. To date, arsenic is the only COC detected above a Tier 1 $^{GW}_{Ing}$ PCL. Arsenic is laterally delineated in all directions. In addition, concentrations are showing stable trends in the majority of the groundwater monitoring wells with decreasing trends in three groundwater monitoring wells (MW-1, MW-6 and MW-13). Five groundwater monitoring wells reported arsenic at or below the target Tier 1 Protective Concentration Limit for the site. It was also determined that the shallow groundwater bearing unit is a Class 3 groundwater bearing unit unable to produce more than 150 gallons per day of water. Therefore, this unit is not a very likely future source of potable water.

Two surface water samples (SW-1 and SW-2) were collected from Whiteoak Bayou on two separate occasions adjacent to the subject property. The locations are depicted on **Figure C6**. The samples were analyzed for RCRA Metals by EPA Method 6020/7470 (**Table E11**). None of the samples reported any of the compounds above a PCL. Because the metals were detected below the PCL, it was determined that COCs from the subject property are not impacting Whiteoak Bayou.

The only RCRA Metal that has a non-ingestion protective concentration levels ($^{Air}GW_{Inh-V}$) is mercury. Arsenic, the primary COC does not have a non-ingestion PCL. Therefore, with the issuance of the Municipal Setting Designation (MSD), there is no PCLE zone.

The first groundwater bearing unit is comprised of sand and is encountered at a depth of approximately 20-foot bgs on the eastern side of the property and 30-foot bgs on the western side of the property. The base of the first groundwater bearing unit is encountered at a depth of approximately 30-foot bgs on the eastern side and at 45-ft bgs on the western side of the property. This unit is underlain by a stiff dry clay. While the sand unit is 15 or more feet thick in most of the monitoring wells, the water is not present until 30- to

35-ft bgs depending on the location across the property. The wells at this site are under unconfined conditions. The average static depth to groundwater in the monitoring wells ranges from 20- to 30-ft bgs.

B) Groundwater Data Ingestion PCL Exceedances – The following table represents the most recent groundwater monitoring data for the site collected in August 2016.

Table D1 – Groundwater Ingestion PCL Exceedances in First Groundwater Bearing Unit

Monitoring Well ID	Arsenic (mg/L)
Tier 1 ^{GW}GW_{ing} PCLs	1.0
Tier 1 ^{Air}GW_{inh-v} PCLs	---
MW-1	6.27
MW-2R	1.52
MW-3	177
MW-3R	245
MW-4	32.2
MW-5	0.00692
MW-6	2.82
MW-7	136
MW-8	0.0055
MW-9	0.0102
MW-10	0.0261
MW-11	0.00601
MW-12	2.64
MW-13	17.3

Notes – Values in **Bold** exceed the MSC (ingestion PCLE)

Values in **Bold** exceed the ^{Air}GW_{inh-v} PCL (non-ingestion PCLE)

The only RCRA Metal that has a non-ingestion protective concentration levels (^{Air}GW_{inh-v}) is mercury. Mercury does not exceed either the ingestion or non-ingestion PCL. Arsenic, the primary COC does not have a non-ingestion PCL. Therefore, with the issuance of the Municipal Setting Designation (MSD), there is no PCLE zone.

C) Groundwater COCs – Arsenic, the primary chemical of concern (COC) detected in the groundwater samples, is associated with the former Chipman Chemical Engineering Company, that manufactured arsenic-based herbicides and pesticides on the subject property from the at least the 1920s through the late 1940s, possibly into the early 1950s. The first set of secondary COCs are chlorinated volatile organic compounds (VOCs) tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride (VC), and 1,1-dichloroethene (1,1-DCE) are sourced from the former Gulf Laundry and

Cleaning Supply. The second set of secondary COCs are fuel related VOCs benzene, toluene, ethylbenzene, and xylene are sourced from the former LPST site that was located on the subject property.

The geochemistry of arsenic has been well studied. Arsenic adsorption and desorption reactions are generally influenced by changes in pH, occurrence of redox (reduction/oxidation) reactions, presence of competing anions, and solid-phase structural changes at the atomic level. Solid-phase precipitation and dissolution reactions are controlled by solution chemistry, including pH, redox state, and chemical composition. This is the primary factor controlling the fate of arsenic at this site.

Arsenic is a redox-sensitive element. This means that arsenic may gain or lose electrons in redox reactions. As a result, arsenic may be present in a variety of different redox states at the same time. Arsenate and arsenite are the two forms of arsenic commonly found in ground water. Arsenate generally predominates under oxidizing conditions. Arsenite predominates when conditions become sufficiently reducing. Under the pH conditions of most groundwater, arsenate is present as the negatively charged oxyanions H_2AsO_4^- or HAsO_4^{2-} , whereas arsenite is present as the uncharged species H_3AsO_3 . The strength of adsorption and desorption reactions between these different arsenic species and solid-phase surfaces in aquifers varies, in part, because of these differences in charge. Differences in species charge affect the character of electrostatic interactions between species and surfaces and the ability to precipitate.

Arsenate and arsenite adsorb to surfaces of a variety of aquifer materials, including iron oxides, aluminum oxides, and clay minerals. The high concentration of iron oxides in our shallow soils allows for the adsorption of both forms of arsenic. Adsorption and desorption reactions between arsenate and iron-oxide surfaces are particularly important controlling reactions because iron oxides are widespread in the hydrogeologic environment as coatings on other solids, and because arsenate adsorbs strongly to iron-oxide surfaces in acidic and near-neutral-pH water as is present at the subject site. However, desorption of arsenate from iron-oxide surfaces becomes favored as pH values become alkaline. The pH-dependence of arsenate adsorption to iron-oxide surfaces appears to be related to the change in iron-oxide net surface charge from positive to negative as pH increases. Where pH values are above about 8, the negative net surface charge of iron oxide can repel negatively charged ions such as arsenate and arsenic desorbs from the particles. The pH at the site ranges from 6.25 to 7.00 s.u.

Iron-oxide surfaces also adsorb arsenite, and both arsenate and arsenite adsorb to aluminum oxides and clay-mineral surfaces. However, these adsorption reactions appear generally to be weaker than is the case for arsenate adsorption to iron-oxide surfaces under typical environmental pH conditions. Nevertheless, pH-dependent adsorption and desorption reactions other than those between arsenate and iron-oxide surfaces may be important controls over arsenic mobility in some settings. As is the case for adsorption of arsenate to iron-oxide surfaces, adsorption of arsenite to iron-oxide surfaces tends to decrease as pH increases, at least between the range from pH 6 to pH 9. Unfortunately, arsenate and arsenite adsorption and desorption reactions with other common surfaces are less well characterized, and apparently more complex than is the case for adsorption and desorption reactions with iron-oxide surfaces.

As a result of the pH dependence of arsenic adsorption, changes in groundwater pH can promote adsorption or desorption of arsenic. However, given the nature of the shallow groundwater bearing unit at the site, significant changes in groundwater pH are not expected. Because iron-oxide surfaces can hold

large amounts of adsorbed arsenate, geochemical evolution of groundwater to alkaline pH must be controlled. The introduction of potassium permanganate along with calcium polysulfide will improve adsorption and control pH within this unit.

Similarly, redox reactions can control aqueous arsenic concentrations by their effects on arsenic speciation, and hence, arsenic adsorption and desorption. For example, reduction of arsenate to arsenite can promote arsenic mobility because arsenite is generally less strongly adsorbed than is arsenate. Redox reactions involving either aqueous or adsorbed arsenic can affect arsenic mobility. The shallow groundwater bearing unit at this site tends to be under an oxidizing condition. Localized areas of reduction have been identified and were injected with potassium permanganate to help convert the area to an oxidizing state.

The various solid phases (minerals, amorphous oxides, volcanic glass, organic carbon) of which aquifers are composed exist in a variety of thermodynamic states. At any given time, some aquifer solid phases will be undergoing dissolution, whereas others will be precipitating from solution. Arsenic contained within solid phases, either as a primary structural component of or an impurity in any of a variety of solid phases, is released to ground water when those solid phases dissolve. Similarly, arsenic is removed from ground water when solid phases containing arsenic precipitate from aqueous solution. As an example, because arsenic often coprecipitates with iron oxide, iron oxide may act as a sink (case of precipitation) for groundwater.

Chlorinated solvents are characterized by their high volatilities, high densities, low viscosities, low interfacial tension, low absolute solubilities, high relative solubilities, low partitioning to soil materials and low degradability. Chlorinated solvents will dissolve in water at low concentrations but once the groundwater has reached the saturation limit for that compound, the chlorinated solvent will form a separate phase in equilibrium with the water. Because chlorinated solvents have higher densities relative to water, the separate phase may "sink". However, these compounds tend to form micro-droplets which adhere to the soil particles within the saturated unit. It is also common for these chemicals to collect within the capillary fringe between the vadose zone and the saturated unit. Because of these characteristics, these compounds are referred to as "dense non-aqueous phase liquids" (DNAPLs). In extremely high concentrations DNAPLs can penetrate the water table and form "pools" on the top of less permeable layers. Historically, DNAPL has not been identified in any of the monitor wells within the groundwater monitor well network using both an interface probe and visual screening.

Hydrocarbons have lower densities relative to water, so these compounds generally "float" on top of the water. Because of these characteristics, these compounds are referred to as "light non-aqueous phase liquids" (LNAPLs). In extremely high concentrations LNAPLs can penetrate the water table and form "pools" on the top of the groundwater. Historically, LNAPL was identified in one of the monitor wells (MW-1) within the groundwater monitor well network using both an interface probe and visual screening. The LNAPL was bailed out and has not recovered in the well.

Based on the field observations and laboratory results, it appears that the groundwater COCs on the subject property are primarily dissolved in the shallow groundwater.

Appendix E

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

- a. The maximum concentration level for soil and groundwater, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units.
- b. The critical protective concentration level without the municipal setting designation, highlighting any exceedences.

Appendix E contains tables summarizing the concentration levels for the primary and secondary chemicals of concern in soil and groundwater. The tables include the concentration level, the ingestion protective concentration limits ($^{GW}Soil_{Ing}$ for soil and $^{GW}GW_{Ing}$ for groundwater), the non-ingestion protective concentration limits for soil ($^{Tot}Soil_{Comb}$ and $^{Air}Soil_{Inh-v}$) and groundwater ($^{Air}GW_{Inh-v}$), the critical protective concentration limits assuming no MSD is in place ($^{GW}Soil_{Ing}$ for soil and $^{GW}GW_{Ing}$ for groundwater), and the critical PCLs assuming that an MSD is in place ($^{Tot}Soil_{Comb}$ for soil and $^{Air}GW_{Inh-v}$ for groundwater). The following is a list of the tables in **Appendix E**.

Table E1	Summary of RCRA Metals in Soil
Table E2	Summary of Organochlorine Pesticides in Soil
Table E3	Summary of Herbicides in Soil
Table E4	Summary of Volatile Organic Compounds (VOCs) in Soil
Table E5	Summary of Total Petroleum Hydrocarbons in Soil
Table E6	Summary of RCRA Metals in Groundwater
Table E7	Summary of Pesticides in Groundwater
Table E8	Summary of Herbicides in Groundwater
Table E9	Summary of Volatile Organic Compounds (VOCs) in Groundwater
Table E10	Summary of Total Petroleum Hydrocarbons in Groundwater
Table E11	Summary of RCRA Metals in Surface Water

Table E1
Summary of RCRA Metals in Soil
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	Antimony mg/kg	Arsenic mg/kg	Barium mg/kg	Beryllium mg/kg	Boron mg/kg	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Mercury mg/kg	Nickel mg/kg	Selenium mg/kg	Silver mg/kg
Residential	Soil _{Comb} ^{Tot}		15	20	8100	38	16000	52	33000	500	3.6	840	310	97
Residential	Soil _{Class3} ^{GW}		540	500	44000	180		150	240000	300	0.78	16000	230	48
Residential	Soil _{Inh-V} ^{Air}										4.6			
HA-2	0-4	10/25/2013	0.237 J	7.4	66.5	0.405 J	-	0.164 J	5.66	34	0.042	6.23	0.352 J	<0.074
	4-8	10/25/2013	<0.171	5.99	83.4	0.579	-	0.169 J	5.98	13.1	0.145	9.53	0.494	<0.0684
HA-4	0-4	10/25/2013	0.356 J	22.2	144	0.546	-	0.615	9.86	95.3	0.221	6.14	0.569	0.133 J
MW-1	0-4	10/28/2013	2.42	194	57.3	0.283 J	-	1.48	8.56	66.8	0.986	3.74	0.842	0.0931 J
	4-8	10/28/2013	<0.191	63.8	162	0.181 J	-	<0.0478	4.92	8.43	0.00279 J	3.5	<0.172	<0.0765
MW-2	0-4	10/28/2013	0.189 J	59.2	30.2	0.421	-	0.197 J	2.91	5.11	0.17	2.54	0.397	<0.0611
	4-8	10/28/2013	1.83	58.7	83.8	0.34 J	-	3.01	7.57	132	0.157	4.31	0.739	0.177 J
MW-2R	9-10	9/3/2014	-	90.2	119	-	-	0.855	4.2	50.4	0.179	-	0.823	0.113 J
	12-14	9/3/2014	-	27.9	85.7	-	-	0.189 J	18	11.2	0.00375 J	-	0.899	<0.097
MW-3	0-4	10/30/2013	0.832	7.63	58.1	0.222 J	-	0.41 J	8.29	47.5	0.195	3.98	0.309 J	<0.0744
	4-8	10/30/2013	0.28 J	1.92	53.7	0.203 J	-	0.123 J	3.12	28.3	2.47	2.96	0.325 J	<0.0923
MW-4	0-4	10/30/2013	0.304 J	11.1	87	0.183 J	-	0.229 J	5.97	52.8	0.0211	4.3	0.245 J	<0.0843
	4-8	10/30/2013	<0.195	74.4	41.3	0.294 J	-	<0.0488	3.42	5.03	0.00142 J	2.7	<0.176	<0.0781
MW-5	2-4	12/18/2013	-	4.03	128	-	-	0.0626 J	7.53	11.5	0.018	-	0.33 J	<0.0669
	6-8	12/18/2013	-	6.07	190	-	-	<0.042	4.98	18.3	0.00159 J	-	0.289 J	<0.0672
MW-10	8-10	9/3/2014	-	16.2	34.1	-	-	0.0568 J	2.73	6.37	0.00196 J	-	0.443 J	<0.0882
	14-15	9/3/2014	-	2.4	22.9	-	-	<0.0654	3.11	6.57	<0.000602	-	0.36 J	<0.105
MW-11	4-5	9/4/2014	-	11.8	42	-	-	0.118 J	1.79	5.71	0.191	-	0.4 J	0.127 J
	6-8	9/4/2014	-	1.4	52.4	-	-	<0.0603	3.07	9.23	0.0025 J	-	0.836	<0.0965
	12-14	9/4/2014	-	0.642 J	43.3	-	-	<0.0656	2.69	2.31	0.000775 J	-	0.863	<0.105
MW-12	3-4	9/4/2014	-	174	37.2	-	-	<0.0622	4.24	4.83	0.00393 J	-	0.562 J	<0.0996
	5-7	9/4/2014	-	13.4	16.4	-	-	<0.0525	2.35	4.03	0.00292 J	-	0.516 J	<0.0839
	11-12	9/4/2014	-	43	224	-	-	0.107 J	4.33	44	<0.000589	-	4.3	<0.089
MW-13	3-4	9/4/2014	-	10.9	124	-	-	0.335 J	4	12.3	0.0279	-	0.687	<0.0865
	9-10	9/4/2014	-	1950	97.8	-	-	14	6.14	149	8.47	-	3.86	0.24 J
	13-14	9/4/2014	-	957	43.9	-	-	0.258 J	3.65	9.45	0.0454	-	1.84	<0.0981

Table E1
 Summary of RCRA Metals in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	Antimony mg/kg	Arsenic mg/kg	Barium mg/kg	Beryllium mg/kg	Boron mg/kg	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Mercury mg/kg	Nickel mg/kg	Selenium mg/kg	Silver mg/kg
Residential	Soil ^{Tot} _{Comb}		15	20	8100	38	16000	52	33000	500	3.6	840	310	97
Residential	Soil ^{GW} _{Class3}		540	500	44000	180		150	240000	300	0.78	16000	230	48
Residential	Soil ^{Air} _{Inh-v}									4.6				
SB-01	2-	9/24/2012	-	100	-	-	3.5 J	-	-	14	0.011 J	-	-	-
	4-	9/24/2012	-	1.3	-	-	-	-	-	-	-	-	-	-
	6-	9/24/2012	-	0.62 J	-	-	-	-	-	-	-	-	-	-
	8-	9/24/2012	-	0.69 J	-	-	-	-	-	-	-	-	-	-
SB-02	2-	9/24/2012	-	2700	-	-	4.1 J	-	-	260	0.03	-	-	-
	6-	9/24/2012	-	2000	-	-	-	-	-	-	-	-	-	-
	8-	9/24/2012	-	1400	-	-	-	-	-	-	-	-	-	-
SB-03	1-	9/24/2012	-	70	-	-	5.1 J	-	-	170	0.4	-	-	-
	5-	9/24/2012	-	24	-	-	-	-	-	-	-	-	-	-
	7-	9/24/2012	-	20	-	-	-	-	-	-	-	-	-	-
	9-	9/24/2012	-	22	-	-	-	-	-	-	-	-	-	-
SB-04	3-	9/24/2012	-	11000	-	-	3.1 J	-	-	620	0.35	-	-	-
	7-	9/24/2012	-	3200	-	-	-	-	-	-	-	-	-	-
	9-	9/24/2012	-	2000	-	-	-	-	-	-	-	-	-	-
SB-05	1-	9/24/2012	-	350	-	-	4.6 J	-	-	20	0.23	-	-	-
	3-	9/24/2012	-	280	-	-	-	-	-	-	-	-	-	-
	5-	9/24/2012	-	600	-	-	-	-	-	-	-	-	-	-
	7-	9/24/2012	-	1200	-	-	-	-	-	-	-	-	-	-
SB-06	5-	9/24/2012	-	700	-	-	3.6 J	-	-	480	0.042	-	-	-
	7-	9/24/2012	-	26	-	-	-	-	-	-	-	-	-	-
	9-	9/24/2012	-	9.4	-	-	-	-	-	-	-	-	-	-
SB-07	1-	9/24/2012	-	100	-	-	4.9 J	-	-	41	0.1	-	-	-
	3-	9/24/2012	-	160	-	-	-	-	-	-	-	-	-	-
	7-	9/24/2012	-	63	-	-	-	-	-	-	-	-	-	-
SB-08	2-	9/24/2012	-	18	-	-	0.94 J	-	-	10	0.015 J	-	-	-
	4-	9/24/2012	-	1.5	-	-	-	-	-	-	-	-	-	-
	6-	9/24/2012	-	2.4	-	-	-	-	-	-	-	-	-	-
	8-	9/24/2012	-	26	-	-	-	-	-	-	-	-	-	-

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Residential	Soil _{Comb} ^{Tot}		15	20	8100	38	16000	52	33000	500	3.6	840	310	97
Residential	Soil _{Class3} ^{GW}		540	500	44000	180		150	240000	300	0.78	16000	230	48
Residential	Soil _{Inh-V} ^{Air}										4.6			
SB-09	1.5-	9/24/2012	-	30	-	-	1.6 J	-	-	23	0.011 J	-	-	-
	4-	9/24/2012	-	2.2	-	-	-	-	-	-	-	-	-	-
	6-	9/24/2012	-	1.8	-	-	-	-	-	-	-	-	-	-
SB-1	0-4	10/25/2013	0.194 J	13.4	109	0.503	-	0.339 J	9.34	50.8	0.0559	5.78	0.492	0.0768 J
	4-8	10/25/2013	<0.198	1.97	119	0.749	-	0.0587 J	11.3	18.2	0.0398	6.13	0.695	<0.079
SB-2	0-4	10/25/2013	0.453 J	16.4	135	0.429 J	-	0.772	10.5	291	0.122	4.77	0.492 J	0.132 J
	4-8	10/25/2013	0.294 J	10.1	255	0.469	-	0.9	8.7	876	0.569	6.45	0.63	0.168 J
SB-3	0-4	10/25/2013	<0.205	242	54.8	0.447 J	-	<0.0512	5.69	6.09	0.0106	3.02	0.648	<0.0819
	4-8	10/25/2013	<0.187	1.5	79.4	0.512	-	<0.0466	5.87	6.94	0.0035 J	3.6	0.313 J	<0.0746
SB-4	0-4	10/25/2013	27	5120	46.9	0.346 J	-	54.1	8.31	113	3.5	3.45	4.28	0.122 J
	4-8	10/25/2013	<0.217	717	103	0.484 J	-	0.192 J	5.5	5.9	0.0444	3.53	2.56	<0.0867
SB-5	0-4	10/25/2013	<0.24	504	56.7	0.381 J	-	<0.0601	7.54	5.48	0.0096	3.57	0.544 J	<0.0962
	4-8	10/25/2013	0.617	432	158	0.555	-	<0.051	6.89	6.28	0.00788	5.89	0.577	<0.0816
SB-10	1-	9/25/2012	-	3.5	-	-	2.6 J	-	-	44	0.065	-	-	-
SB-11	2-	9/25/2012	-	70	-	-	3.9 J	-	-	4.9	0.0066 J	-	-	-
SB-12	1-	9/25/2012	-	1.9	-	-	1.9 J	-	-	26	0.032	-	-	-
SB-13	4-	9/25/2012	-	<1.1	-	-	3.9 J	-	-	14	0.11	-	-	-
SB-14	1-	9/25/2012	-	580	-	-	2.8 J	-	-	190	1.9	-	-	-
SB-15	2-4	12/18/2013	-	5.34	32.4	-	-	<0.0501	6.09	7	0.0796	-	<0.181	<0.0802
	6-8	12/18/2013	-	0.35 J	15.7	-	-	<0.0524	4.11	4.65	0.000869 J	-	0.197 J	<0.0839
SB-16	2-4	12/18/2013	-	3.2	49.2	-	-	<0.0465	3.49	7.24	0.0466	-	0.212 J	<0.0744
	6-8	12/18/2013	-	0.221 J	32.3	-	-	<0.0428	2.75	2.76	<0.00055	-	0.222 J	<0.0685
SB-17	2-4	12/18/2013	-	12	82.9	-	-	0.121 J	3.63	32.6	0.0227	-	0.222 J	0.162 J
	6-8	12/18/2013	-	3.12	62.8	-	-	<0.0505	3.17	4.98	0.00283 J	-	<0.182	<0.0808
SB-18	0-2	12/18/2013	-	5.72	304	-	-	7.58	18.8	883	0.241	-	0.604	0.243 J
	6-8	12/18/2013	-	3.71	31.2	-	-	<0.0413	4.43	25.6	<0.00056	-	0.87	<0.0661
SB-19	2-4	12/18/2013	-	4.86	144	-	-	0.176 J	9.13	25.4	0.0701	-	0.456 J	<0.0919
	6-8	12/18/2013	-	2.93	76.5	-	-	0.3 J	6.98	70.6	0.0947	-	0.231 J	0.1 J

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357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	Antimony mg/kg	Arsenic mg/kg	Barium mg/kg	Beryllium mg/kg	Boron mg/kg	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Mercury mg/kg	Nickel mg/kg	Selenium mg/kg	Silver mg/kg
Residential	Soil ^{Tot} _{Comb}		15	20	8100	38	16000	52	33000	500	3.6	840	310	97
Residential	Soil ^{GW} _{Class3}		540	500	44000	180		150	240000	300	0.78	16000	230	48
Residential	Soil ^{Air} _{Inh-V}										4.6			
SB-20	2-4	12/18/2013	-	1.96	222	-	-	<0.0577	11.8	11.3	0.00544	-	0.373 J	<0.0923
	6-8	12/18/2013	-	2.92	163	-	-	0.18 J	9.9	76.9	0.0777	-	0.37 J	<0.0749
SB-21	2-3	9/2/2014	-	2.12	53.6	-	-	<0.0579	2.73	4.66	0.00283 J	-	0.524 J	<0.0926
	5-7	9/2/2014	-	113	42.4	-	-	<0.059	2.95	5.48	0.0259	-	2.39	<0.0944
	11-12	9/2/2014	-	8.67	16	-	-	<0.0547	1.96	2.01	0.00367 J	-	0.236 J	<0.0875
SB-22	2-3	9/2/2014	-	828	17.2	-	-	0.643	3.55	6.03	0.0135	-	0.411 J	<0.0878
	5-7	9/2/2014	-	116	7.04	-	-	<0.0573	2.64	6.45	0.00451	-	0.432 J	<0.0917
	11-12	9/2/2014	-	138	12.1	-	-	<0.0559	2.66	4.97	0.00203 J	-	<0.201	<0.0894
SB-23	2-3	9/2/2014	-	216	43.4	-	-	0.186 J	4.77	25.3	2.12	-	0.793	<0.0988
	5-7	9/2/2014	-	253	31.5	-	-	0.077 J	4.83	5.21	0.0137	-	0.851	<0.1
	11-12	9/2/2014	-	206	18	-	-	0.193 J	3.57	18.7	0.00781	-	1.5	<0.105
SB-24	2-3	9/2/2014	-	56.8	60.9	-	-	6.72	3.27	5.6	0.00735	-	0.978	<0.0938
	5-7	9/2/2014	-	33.9	143	-	-	0.129 J	5.64	25.1	0.00246 J	-	1.77	<0.0857
	8-10	9/2/2014	-	15.9	88	-	-	<0.059	5.3	10.3	0.00834	-	1.55	<0.0944
SB-25	2-3	9/2/2014	-	103	156	-	-	0.311 J	11.8	18.5	0.0269	-	1.15	<0.0979
	5-7	9/2/2014	-	1460	273	-	-	<0.0558	3.72	25.5	0.0017 J	-	0.466 J	<0.0893
	11-12	9/2/2014	-	171	17.8	-	-	<0.0529	2.95	6.36	0.00146 J	-	0.369 J	<0.0847
SB-26	2-3	9/2/2014	-	25	49.3	-	-	0.208 J	4.07	23.8	0.0187	-	0.845	<0.09
	5-7	9/2/2014	-	1.81	95.1	-	-	0.0941 J	2.48	12.7	0.00709	-	2.75	<0.0817
	11-12	9/2/2014	-	1.97	29.3	-	-	<0.0679	3.28	7.81	0.00533	-	1.29	<0.109
SB-27	2-3	9/2/2014	-	58	64.9	-	-	<0.0573	4.1	4.96	0.0302	-	0.921	<0.0917
	5-7	9/2/2014	-	3.51	94.3	-	-	<0.059	2.95	6.71	0.00428	-	0.636	<0.0945
	11-12	9/2/2014	-	0.583	38.1	-	-	<0.0532	3.18	6.41	0.00578	-	1.14	<0.0852
SB-28	3-4	9/2/2014	-	1020	136	-	-	6.74	7.85	152	0.578	-	2.19	0.392 J
	6-8	9/2/2014	-	2660	19.7	-	-	0.393 J	2.19	7.63	0.0167	-	1.2	<0.0918
	10-12	9/2/2014	-	705	28.5	-	-	<0.057	2.64	3.33	0.00238 J	-	0.701	<0.0911

Table E1
 Summary of RCRA Metals in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	Antimony mg/kg	Arsenic mg/kg	Barium mg/kg	Beryllium mg/kg	Boron mg/kg	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Mercury mg/kg	Nickel mg/kg	Selenium mg/kg	Silver mg/kg
Residential	Soil _{Comb} ^{Tot}		15	20	8100	38	16000	52	33000	500	3.6	840	310	97
Residential	Soil _{Class3} ^{GW}		540	500	44000	180		150	240000	300	0.78	16000	230	48
Residential	Soil _{Inh-V} ^{Air}										4.6			
SB-29	2-3	9/2/2014	-	496	67.6	-	-	0.255 J	5.24	5.45	0.00891	-	1.15	<0.0926
	5-7	9/2/2014	-	365	90.4	-	-	<0.0596	4.54	3.85	0.00386 J	-	0.599	<0.0954
	10-12	9/2/2014	-	379	92.3	-	-	0.105 J	4.75	9.97	0.00571	-	1.41	<0.0946
SB-30	2-3	9/2/2014	-	308	14.7	-	-	<0.0552	3.87	6.16	0.00474	-	0.535 J	<0.0883
	5-7	9/2/2014	-	2.58	23.2	-	-	<0.056	4.03	4.9	0.00386 J	-	0.551 J	<0.0895
	11-12	9/2/2014	-	10.5	13	-	-	<0.0514	5.32	20.1	0.00297 J	-	0.933	<0.0822
SB-31	3-4	9/2/2014	-	312	63.9	-	-	1.08	6.64	16	0.0695	-	0.793	<0.0841
	6-8	9/2/2014	-	19500	107	-	-	0.689	5.27	85.3	0.0247	-	0.986	<0.0932
	8-10	9/2/2014	-	28000	129	-	-	0.0738 J	5.02	24.5	0.0174	-	0.882	<0.0931
	14-16	9/2/2014	-	5980	23.5	-	-	<0.0575	2.92	6.64	0.00557	-	0.521 J	<0.092
SB-32	3-4	9/2/2014	-	131	188	-	-	0.0766 J	2.08	14.9	0.00212 J	-	0.857	0.104 J
	5-7	9/2/2014	-	2.24	14.4	-	-	<0.0578	4.44	6.31	0.00474	-	1	<0.0924
	11-12	9/2/2014	-	1.9	12.4	-	-	<0.0568	3.25	5.51	0.000925 J	-	0.845	<0.0908
SB-33	2-3	9/2/2014	-	1330	70.8	-	-	0.105 J	5.04	7.17	0.026	-	1.41	<0.098
	5-7	9/2/2014	-	628	43	-	-	<0.0569	2.67	5.35	0.036	-	0.965	<0.0911
	11-12	9/2/2014	-	604	23.4	-	-	<0.0568	2.53	5.97	0.00133 J	-	0.56 J	<0.091
SB-34	2-3	9/24/2014	-	0.494 J	-	-	-	-	-	-	-	-	-	-
	5-7	9/24/2014	-	0.769	-	-	-	-	-	-	-	-	-	-
	11-12	9/24/2014	-	3.07	-	-	-	-	-	-	-	-	-	-
SB-35	2-3	9/24/2014	-	8.15	-	-	-	-	-	-	-	-	-	-
	5-7	9/24/2014	-	1.58	-	-	-	-	-	-	-	-	-	-
	11-12	9/24/2014	-	0.261 J	-	-	-	-	-	-	-	-	-	-
SB-36	2-3	9/24/2014	-	253	-	-	-	-	-	-	-	-	-	-
	5-7	9/24/2014	-	0.578	-	-	-	-	-	-	-	-	-	-
	11-12	9/24/2014	-	154	-	-	-	-	-	-	-	-	-	-
SB-37	2-3	9/24/2014	-	1350	-	-	-	-	-	-	-	-	-	-
	5-7	9/24/2014	-	3770	-	-	-	-	-	-	-	-	-	-
	11-12	9/24/2014	-	2500	-	-	-	-	-	-	-	-	-	-

Table E1
 Summary of RCRA Metals in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	Antimony mg/kg	Arsenic mg/kg	Barium mg/kg	Beryllium mg/kg	Boron mg/kg	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Mercury mg/kg	Nickel mg/kg	Selenium mg/kg	Silver mg/kg
Residential	^{Tot} Soil _{Comb}		15	20	8100	38	16000	52	33000	500	3.6	840	310	97
Residential	^{GW} Soil _{Class3}		540	500	44000	180		150	240000	300	0.78	16000	230	48
Residential	^{Air} Soil _{Inh-v}									4.6				
SB-38	2-3	9/24/2014	-	1.89	-	-	-	-	-	-	-	-	-	-
	5-7	9/24/2014	-	1500	-	-	-	-	-	-	-	-	-	-
	11-12	9/24/2014	-	4560	-	-	-	-	-	-	-	-	-	-

Notes: <: Analyte was not detected in sample at or above the reported sample detection limit
 J: Analyte was detected in sample at the estimated concentration less than the method detection limit.

Table E2
Summary of Organochlorine Pesticides in Soil
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	4,4'-DDD mg/kg	4,4'-DDE mg/kg	4,4'-DDT mg/kg	Aldrin mg/kg	alpha-BHC mg/kg	beta-BHC mg/kg	delta-BHC mg/kg	gamma-BHC mg/kg	alpha-Chlordane mg/kg	Dieldrin mg/kg	Endosulfan II mg/kg	Endrin aldehyde mg/kg	Endrin ketone mg/kg	Heptachlor epoxide mg/kg	Toxaphene mg/kg
Residential	Tot Soil _{Comb}		14.22	10.18	5.42	0.05	0.26	0.93	2.93	1.11	12.81	0.15	272.44	19.37	18.96	0.24	1.24
Residential	GW Soil _{Class3}		1295.17	1177.62	1474.92	10.29	0.79	2.90	17.36	0.92	73829.12	4.89	9245.90	62708.62	5098.43	5.83	1150.37
Residential	Air Soil _{Inh-V}				1214.14	8.30	13.92	71.74	101.48	580.70	4105.40	31.74			1891.26	23.74	955.37
SB-01	2	9/24/2012	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	-	<0.024	<0.024	<0.024	<0.024	<0.024	<0.48
SB-02	2	9/24/2012	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<0.025	<0.025	<0.025	<0.025	<0.025	<0.5
SB-03	1	9/24/2012	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	-	<0.021	<0.021	<0.021	<0.021	<0.021	<0.42
SB-04	3	9/24/2012	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	-	<1.2	<1.2	<1.2	<1.2	<1.2	44
SB-05	1	9/24/2012	<0.022	0.0074 J	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	-	<0.022	<0.022	<0.022	<0.022	<0.022	<0.44
SB-06	5	9/24/2012	<0.023	0.0023 J	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	-	<0.023	<0.023	<0.023	<0.023	<0.023	<0.46
SB-07	1	9/24/2012	<0.022	0.013 J	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	-	<0.022	<0.022	<0.022	<0.022	<0.022	<0.44
SB-08	2	9/24/2012	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	-	<0.023	<0.023	<0.023	<0.023	<0.023	<0.46
SB-09	1.5	9/24/2012	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	-	<0.023	<0.023	<0.023	<0.023	<0.023	<0.46
SB-14	1	9/25/2012	0.08 J	0.1 J	1.6	<0.22	<0.22	<0.22	<0.22	<0.22	-	<0.22	<0.22	<0.22	<0.22	<0.22	<4.5
HA-2	0-4	10/25/2013	<0.00058	<0.00058	<0.00058	<0.00035	<0.00035	<0.00035	<0.00023	<0.00023	<0.00023	<0.00058	<0.0007	<0.0007	<0.0007	<0.00035	<0.0056
	4-8	10/25/2013	<0.00092	<0.00092	<0.00092	<0.00055	<0.00055	<0.00055	<0.00037	<0.00037	<0.00037	<0.00092	<0.0011	<0.0011	<0.0011	<0.00055	<0.0088
HA-4	0-4	10/25/2013	<0.00058	<0.00058	<0.00058	<0.00035	<0.00035	<0.00035	<0.00023	<0.00023	0.0032	0.0026 J	<0.0007	<0.0007	<0.0007	<0.00035	<0.0056
MW-1	0-4	10/28/2013	<0.00058	<0.00058	<0.00058	<0.00035	<0.00035	<0.00035	<0.00023	<0.00023	<0.00023	<0.00058	<0.00069	<0.00069	<0.00069	<0.00035	<0.0055
	4-8	10/28/2013	<0.00059	<0.00059	<0.00059	<0.00035	<0.00035	<0.00035	<0.00024	<0.00024	<0.00024	<0.00059	<0.00071	<0.00071	<0.00071	<0.00035	<0.0057
MW-2	0-4	10/28/2013	<0.00055	0.47	<0.00055	0.029	<0.00033	0.026	0.0073	<0.00022	0.22	0.33	0.41	<0.00066	0.027	<0.00033	<0.0053
	4-8	10/28/2013	0.17	0.25	<0.00056	0.007	<0.00033	0.002	<0.00022	<0.00022	<0.00022	0.26	<0.00067	0.039	<0.00067	0.025	<0.0053
MW-3	0-4	10/30/2013	<0.00089	<0.00089	<0.00089	<0.00053	<0.00053	<0.00053	<0.00036	<0.00036	<0.00036	<0.00089	<0.0011	<0.0011	<0.0011	<0.00053	<0.0085
	4-8	10/30/2013	<0.00088	0.046	<0.00088	<0.00053	<0.00053	<0.00053	<0.00035	<0.00035	<0.00035	<0.00088	<0.0011	<0.0011	<0.0011	<0.00053	<0.0084
MW-4	0-4	10/30/2013	<0.00086	0.015	<0.00086	<0.00052	<0.00052	<0.00052	<0.00034	<0.00034	<0.00034	<0.00086	<0.001	<0.001	<0.001	<0.00052	<0.0082
	4-8	10/30/2013	<0.00085	<0.00085	<0.00085	<0.00051	<0.00051	<0.00051	<0.00034	<0.00034	<0.00034	<0.00085	<0.001	<0.001	<0.001	<0.00051	<0.0082
MW-5	2-4	12/18/2013	<0.00058	<0.00058	<0.00058	<0.00035	<0.00035	<0.00035	<0.00023	<0.00023	<0.00023	<0.00058	<0.0007	<0.0007	<0.0007	<0.00035	<0.0056
	6-8	12/18/2013	<0.00057	<0.00057	<0.00057	<0.00034	<0.00034	<0.00034	<0.00023	<0.00023	<0.00023	<0.00057	<0.00069	<0.00069	<0.00069	<0.00034	<0.0055
SB-1	0-4	10/25/2013	<0.00055	0.022	<0.00055	<0.00033	<0.00033	<0.00033	<0.00022	<0.00022	0.012	0.034	0.022	<0.00066	<0.00066	<0.00033	<0.0053
	4-8	10/25/2013	<0.00062	<0.00062	<0.00062	<0.00037	<0.00037	<0.00037	<0.00025	<0.00025	0.0047	<0.00062	<0.00075	<0.00075	<0.00075	<0.00037	<0.006
SB-2	0-4	10/25/2013	<0.00059	0.082	<0.00059	0.0016 J	<0.00035	<0.00035	<0.00024	<0.00024	0.027	0.12	<0.00071	<0.00071	<0.00071	0.0096	<0.0057
	4-8	10/25/2013	0.027	0.088	0.023	<0.00035	<0.00035	<0.00035	<0.00023	<0.00023	0.008	<0.00058	<0.00069	0.004	<0.00069	<0.00035	<0.0055
SB-3	0-4	10/25/2013	<0.00057	<0.00057	<0.00057	<0.00034	<0.00034	<0.00034	<0.00023	<0.00023	<0.00023	<0.00057	<0.00069	<0.00069	<0.00069	<0.00034	<0.0055
	4-8	10/25/2013	<0.00056	<0.00056	<0.00056	<0.00034	<0.00034	<0.00034	<0.00022	<0.00022	<0.00022	<0.00056	<0.00067	<0.00067	<0.00067	<0.00034	<0.0054
SB-4	0-4	10/25/2013	9.6	3	1.3	0.2	0.12	1.5	0.079	0.077	2.1	<0.0061	2.1	<0.0073	0.4	<0.0036	<0.058
	4-8	10/25/2013	<0.00057	<0.00057	<0.00057	<0.00034	<0.00034	<0.00034	<0.00023	<0.00023	<0.00023	<0.00057	<0.00069	<0.00069	<0.00069	<0.00034	<0.0055

Table E2
 Summary of Organochlorine Pesticides in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	4,4'-DDD mg/kg	4,4'-DDE mg/kg	4,4'-DDT mg/kg	Aldrin mg/kg	alpha-BHC mg/kg	beta-BHC mg/kg	delta-BHC mg/kg	gamma-BHC mg/kg	alpha-Chlordane mg/kg	Dieldrin mg/kg	Endosulfan II mg/kg	Endrin aldehyde mg/kg	Endrin ketone mg/kg	Heptachlor epoxide mg/kg	Toxaphene mg/kg
Residential	Tot Soil _{Comb}		14.22	10.18	5.42	0.05	0.26	0.93	2.93	1.11	12.81	0.15	272.44	19.37	18.96	0.24	1.24
Residential	GW Soil _{Class3}		1295.17	1177.62	1474.92	10.29	0.79	2.90	17.36	0.92	73829.12	4.89	9245.90	62708.62	5098.43	5.83	1150.37
Residential	Air Soil _{Inh-V}				1214.14	8.30	13.92	71.74	101.48	580.70	4105.40	31.74			1891.26	23.74	955.37
SB-5	0-4	10/25/2013	<0.00095	<0.00095	<0.00095	<0.00057	<0.00057	<0.00057	<0.00038	<0.00038	<0.00038	<0.00095	<0.0011	<0.0011	<0.0011	<0.00057	<0.0091
	4-8	10/25/2013	<0.0009	<0.0009	<0.0009	<0.00054	<0.00054	<0.00054	<0.00036	<0.00036	<0.00036	<0.0009	<0.0011	<0.0011	<0.0011	<0.00054	<0.0087
SB-28	10-12	9/2/2014	0.0031 J	<0.00058	0.0051	<0.00035	0.0039	0.0012 J	<0.00023	0.0014 J	<0.00023	<0.00058	<0.0007	<0.0007	<0.0007	<0.00035	<0.0056
SB-30	5-7	9/2/2014	0.0032 J	<0.00056	<0.00056	<0.00034	<0.00034	<0.00034	<0.00023	<0.00023	<0.00023	<0.00056	<0.00068	<0.00068	<0.00068	<0.00034	<0.0054
SB-31	6-8	9/2/2014	1.3	0.89	0.88	<0.07	<0.07	<0.07	<0.047	<0.047	<0.047	0.48 J	0.63 J	<0.14	<0.14	<0.07	<0.0
	8-10	9/2/2014	0.67 J	<0.12	1.7	<0.07	4.3	0.65	0.36 J	0.8	<0.047	<0.12	0.51 J	<0.14	<0.14	<0.07	<0.0
	14-16	9/2/2014	0.036 J	<0.0057	0.19	<0.0034	0.43	0.088	0.028	0.063	<0.0023	<0.0057	<0.0069	<0.0069	<0.0069	<0.0034	<0.055

Notes: <: Analyte was not detected in sample at or above the reported sample detection limit
 J: Analyte was detected in sample at the estimated concentration less than the method detection limit.

Table E3
 Summary of Herbicides in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	2,4,5-T mg/kg	2,4,5-TP (Silvex) mg/kg	2,4-D mg/kg	2,4-DB mg/kg	Dalapon mg/kg	Dicamba mg/kg	Dichlorprop mg/kg	Dinoseb mg/kg	MCPA mg/kg	MCPP mg/kg
Residential	^{Tot} Soil _{Comb}		665.653	532.523	734.406	532.523	1996.96	1996.96	665.653	66.565	33.283	66.565
Residential	^{GW} Soil _{Class3}		99	530	260	39	58	150	47	35	2.3	4.7
Residential	^{Air} Soil _{Inh-V}		3470.252	25897.533	1441.711			1774.001				
SB-01	2	9/24/2012	<0.084	<0.084	<0.084	<0.084	<0.96	<0.084	<0.084	<0.084	<7.8	<7.8
SB-02	2	9/24/2012	<0.087	<0.087	<0.087	<0.087	<0.99	<0.087	<0.087	<0.087	<8.0	<8.0
SB-03	1	9/24/2012	<0.37	<0.37	<0.37	<0.37	<4.2	<0.37	<0.37	<0.37	<34.0	<34.0
SB-04	3	9/24/2012	<0.087	<0.087	<0.087	<0.087	<0.99	<0.087	<0.087	<0.087	<8.0	<8.0
SB-05	1	9/24/2012	<0.076	<0.076	<0.076	<0.076	<0.88	<0.076	<0.076	<0.076	<7.1	<7.1
SB-06	5	9/24/2012	<0.08	<0.08	<0.08	<0.08	<0.91	<0.08	<0.08	<0.08	<7.4	<7.4
SB-07	1	9/24/2012	<0.078	<0.078	<0.078	<0.078	<0.89	<0.078	<0.078	<0.078	<7.2	<7.2
SB-08	2	9/24/2012	<0.081	<0.081	<0.081	<0.081	<0.92	<0.081	<0.081	<0.081	<7.5	<7.5
SB-09	1.5	9/24/2012	<0.081	<0.081	<0.081	<0.081	<0.92	<0.081	<0.081	<0.081	<7.5	<7.5
SB-14	1	9/25/2012	<0.079	<0.079	<0.079	<0.079	<0.9	<0.079	<0.079	<0.079	15	<7.3

Notes: <: Analyte was not detected in sample at or above the reported sample detection limit
 J: Analyte was detected in sample at the estimated concentration less than the method detection limit.

Table E4
Summary of Volatile Organic Compounds in Soil
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes, Total mg/kg	MTBE mg/kg	Tetrachloroethene mg/kg	Trichloroethene mg/kg	cis-1,2-Dichloroethene mg/kg	trans-1,2-Dichloroethene mg/kg	Vinyl chloride mg/kg	1,1-Dichloroethene mg/kg
Residential	Tot Soil _{Comb}		116.12	5934.22	6394.41	5957.95	804.69	452.27	17.55	139.07	589.54	3.70	2294.63
Residential	GW Soil _{Class3}		2.57	821.04	763.00	12252.18	62.15	5.02	3.36	24.83	49.02	2.23	5.01
Residential	Air Soil _{Inh-V}		162.81	62938.95	29166.83	9364.09	1377.65	942.60	30.70	921.06	921.06	42.64	5219.33
SB-01	17.5	9/24/2012	<0.0059	<0.029	<0.0059	<0.018	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059
SB-02	4	9/24/2012	<0.0057	<0.028	<0.0057	<0.017	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
SB-03	1	9/24/2012	0.02 J	<0.26	0.02 J	0.048 J	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053
SB-04	5	9/24/2012	<0.0058	<0.029	<0.0058	<0.018	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
SB-05	17	9/24/2012	<0.0058	<0.029	<0.0058	<0.017	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
SB-06	11	9/24/2012	<0.0058	<0.029	<0.0058	<0.017	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
SB-07	5	9/24/2012	<0.0058	<0.029	<0.0058	<0.017	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
SB-08	2	9/24/2012	<0.0058	<0.029	<0.0058	<0.017	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
SB-09	8	9/24/2012	<0.0056	<0.028	<0.0056	<0.017	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
SB-14	1	9/25/2012	<0.0056	0.029	<0.0056	<0.017	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
MW-2R	9-10	9/3/2014	<0.00072	<0.00084	<0.0011	<0.002	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	12-14	9/3/2014	<0.00076	<0.00088	<0.0011	<0.0021	<0.0024	<0.0013	<0.002	<0.0019	<0.0011	<0.0013	<0.0019
MW-10	8-10	9/3/2014	<0.00073	<0.00086	<0.0011	<0.0021	<0.0023	<0.0012	<0.002	<0.0018	<0.0011	<0.0012	<0.0018
	14-15	9/3/2014	<0.00075	<0.00088	<0.0011	<0.0021	<0.0024	<0.0013	<0.002	<0.0019	<0.0011	<0.0013	<0.0019
MW-11	4-5	9/4/2014	<0.00071	<0.00083	<0.0011	<0.002	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	6-8	9/4/2014	<0.00069	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	12-14	9/4/2014	<0.00074	<0.00087	<0.0011	<0.0021	<0.0024	<0.0012	<0.002	<0.0019	<0.0011	<0.0012	<0.0019
MW-12	3-4	9/4/2014	<0.0007	<0.00082	<0.001	<0.002	<0.0022	<0.0012	<0.0019	<0.0017	<0.001	<0.0012	<0.0017
	5-7	9/4/2014	<0.00068	<0.00079	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	11-12	9/4/2014	<0.00073	<0.00085	<0.0011	<0.0021	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018

Table E4
 Summary of Volatile Organic Compounds in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes, Total mg/kg	MTBE mg/kg	Tetrachloroethene mg/kg	Trichloroethene mg/kg	cis-1,2-Dichloroethene mg/kg	trans-1,2-Dichloroethene mg/kg	Vinyl chloride mg/kg	1,1-Dichloroethene mg/kg
Residential	Tot Soil _{Comb}		116.12	5934.22	6394.41	5957.95	804.69	452.27	17.55	139.07	589.54	3.70	2294.63
Residential	GW Soil _{Class3}		2.57	821.04	763.00	12252.18	62.15	5.02	3.36	24.83	49.02	2.23	5.01
Residential	Air Soil _{Inh-V}		162.81	62938.95	29166.83	9364.09	1377.65	942.60	30.70	921.06	921.06	42.64	5219.33
MW-13	3-4	9/4/2014	<0.0007	<0.00082	<0.0011	<0.002	<0.0022	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	9-10	9/4/2014	<0.00075	<0.00087	<0.0011	<0.0021	<0.0024	<0.0012	<0.002	<0.0019	<0.0011	<0.0012	<0.0019
	13-14	9/4/2014	<0.00075	<0.00087	<0.0011	<0.0021	<0.0024	<0.0012	<0.002	<0.0019	<0.0011	<0.0012	<0.0019
SB-21	2-3	9/2/2014	<0.00069	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	5-7	9/2/2014	<0.0007	<0.00081	<0.001	<0.002	<0.0022	<0.0012	<0.0019	<0.0017	<0.001	<0.0012	<0.0017
	11-12	9/2/2014	<0.00072	<0.00084	<0.0011	<0.002	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
SB-22	2-3	9/2/2014	<0.00072	<0.00084	<0.0011	<0.002	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	5-7	9/2/2014	<0.00069	<0.00081	<0.001	<0.002	<0.0022	<0.0012	<0.0018	<0.0017	<0.001	<0.0012	<0.0017
	11-12	9/2/2014	<0.0007	<0.00082	<0.0011	<0.002	<0.0022	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
SB-23	2-3	9/2/2014	<0.0007	<0.00082	<0.001	<0.002	<0.0022	<0.0012	<0.0019	<0.0017	<0.001	<0.0012	<0.0017
	5-7	9/2/2014	<0.00072	<0.00084	<0.0011	<0.002	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	11-12	9/2/2014	<0.00079	<0.00092	<0.0012	<0.0022	<0.0025	<0.0013	<0.0021	<0.002	<0.0012	<0.0013	<0.002
SB-24	2-3	9/2/2014	<0.0007	<0.00082	<0.001	<0.002	<0.0022	<0.0012	<0.0019	<0.0017	<0.001	<0.0012	<0.0017
	5-7	9/2/2014	<0.00072	<0.00083	<0.0011	<0.002	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	8-10	9/2/2014	<0.00071	<0.00082	<0.0011	<0.002	<0.0022	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
SB-25	2-3	9/2/2014	<0.00073	<0.00085	<0.0011	<0.0021	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	5-7	9/2/2014	<0.00069	<0.00081	<0.001	<0.002	<0.0022	<0.0012	<0.0019	<0.0017	<0.001	<0.0012	<0.0017
	11-12	9/2/2014	<0.0007	<0.00081	<0.001	<0.002	<0.0022	<0.0012	<0.0019	<0.0017	<0.001	<0.0012	<0.0017
SB-26	2-3	9/2/2014	<0.00069	<0.0008	<0.001	<0.002	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	5-7	9/2/2014	<0.00065	<0.00076	<0.00098	<0.0019	<0.0021	<0.0011	<0.0017	<0.0016	<0.00098	<0.0011	<0.0016
	11-12	9/2/2014	<0.00081	<0.00095	<0.0012	<0.0023	<0.0026	<0.0014	<0.0022	<0.002	<0.0012	<0.0014	<0.002

Table E4
Summary of Volatile Organic Compounds in Soil
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes, Total mg/kg	MTBE mg/kg	Tetrachloroethene mg/kg	Trichloroethene mg/kg	cis-1,2- Dichloroethene mg/kg	trans-1,2- Dichloroethene mg/kg	Vinyl chloride mg/kg	1,1-Dichloroethene mg/kg
Residential	Tot Soil _{Comb}		116.12	5934.22	6394.41	5957.95	804.69	452.27	17.55	139.07	589.54	3.70	2294.63
Residential	GW Soil _{Class3}		2.57	821.04	763.00	12252.18	62.15	5.02	3.36	24.83	49.02	2.23	5.01
Residential	Air Soil _{Inh-V}		162.81	62938.95	29166.83	9364.09	1377.65	942.60	30.70	921.06	921.06	42.64	5219.33
SB-27	2-3	9/2/2014	<0.00069	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	5-7	9/2/2014	<0.00071	<0.00083	<0.0011	<0.002	<0.0022	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	11-12	9/2/2014	<0.00069	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
SB-28	3-4	9/2/2014	<0.00068	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	6-8	9/2/2014	<0.00073	<0.00085	<0.0011	<0.0021	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
	10-12	9/2/2014	<0.0007	<0.00082	<0.001	<0.002	<0.0022	<0.0012	<0.0019	<0.0017	<0.001	<0.0012	<0.0017
SB-29	2-3	9/2/2014	<0.00069	<0.0008	<0.001	<0.002	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	5-7	9/2/2014	<0.00068	<0.00079	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	10-12	9/2/2014	<0.00071	<0.00083	<0.0011	<0.002	<0.0023	<0.0012	<0.0019	<0.0018	<0.0011	<0.0012	<0.0018
SB-30	2-3	9/2/2014	<0.00069	<0.0008	<0.001	<0.002	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	5-7	9/2/2014	<0.00068	<0.00079	<0.001	<0.0019	<0.0021	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	11-12	9/2/2014	<0.00069	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
SB-31	3-4	9/2/2014	<0.00063	<0.00074	<0.00095	<0.0018	<0.002	<0.0011	<0.0017	<0.0016	<0.00095	<0.0011	<0.0016
	6-8	9/2/2014	<0.007	0.021 J	0.025 J	0.035 J	<0.022	<0.012	<0.019	<0.017	<0.01	<0.012	<0.017
	8-10	9/2/2014	<0.0007	<0.00081	<0.001	<0.002	<0.0022	<0.0012	<0.0019	<0.0017	<0.001	<0.0012	<0.0017
	14-16	9/2/2014	<0.00069	<0.00081	<0.001	<0.002	<0.0022	<0.0012	<0.0018	<0.0017	<0.001	<0.0012	<0.0017
SB-32	3-4	9/2/2014	<0.00069	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	5-7	9/2/2014	<0.00069	<0.00081	<0.001	<0.002	<0.0022	<0.0012	<0.0018	<0.0017	<0.001	<0.0012	<0.0017
	11-12	9/2/2014	<0.00068	<0.00079	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
SB-33	2-3	9/2/2014	<0.00073	<0.00086	<0.0011	<0.0021	<0.0023	<0.0012	<0.002	<0.0018	<0.0011	<0.0012	<0.0018
	5-7	9/2/2014	<0.00068	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017
	11-12	9/2/2014	<0.00068	<0.0008	<0.001	<0.0019	<0.0022	<0.0011	<0.0018	<0.0017	<0.001	<0.0011	<0.0017

Notes: <: Analyte was not detected in sample at or above the reported sample detection limit J: Analyte detected below the quantitation limit
J: Analyte was detected in sample at the estimated concentration less than the method detection limit.

Table E5
 Summary of Total Petroleum Hydrocarbons in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Depth	Date	C6 to C12	>C12 to C28	>C28 to C35	C6 to C35 (Total)
			mg/kg	mg/kg	mg/kg	mg/kg
Residential ^{Tot} Soil _{Comb}			1584.87	2264.20	2264.20	
Residential ^{GW} Soil _{Class3}			6503.43	19800.37	19800.37	
Residential ^{Air} Soil _{Inh-V}			3070.19	15132.67	15132.67	
SB-01	2	9/24/2012	<60.0	<60.0	<60.0	<60.0
SB-02	2	9/24/2012	<62.0	<62.0	<62.0	<62.0
SB-03	1	9/24/2012	970	5000	310.0 J	6200
SB-04	3	9/24/2012	<62.0	<62.0	<62.0	<62.0
SB-05	1	9/24/2012	<270.0	<270.0	<270.0	<270.0
SB-06	5	9/24/2012	<57.0	<57.0	<57.0	<57.0
SB-07	1	9/24/2012	<56.0	<56.0	<56.0	<56.0
SB-08	2	9/24/2012	<58.0	<58.0	<58.0	<58.0
SB-09	1.5	9/24/2012	<58.0	<58.0	<58.0	<58.0
SB-10	1	9/25/2012	<58.0	<58.0	<58.0	<58.0
SB-11	2	9/25/2012	<57.0	<57.0	<57.0	<57.0
SB-12	1	9/25/2012	<60.0	<60.0	<60.0	<60.0
SB-13	4	9/25/2012	<57.0	<57.0	<57.0	<57.0
SB-14	1	9/25/2012	<560.0	1400	560.0 J	1900
HA-2	4-8	10/25/2013	<24.0	1100	<24.0	1100
MW-1	0-4	10/28/2013	<12.0	<12.0	<12.0	<12.0
	4-8	10/28/2013	<12.0	<12.0	<12.0	<12.0
MW-2R	9-10	9/3/2014	<12.0	<12.0	<12.0	<12.0
	12-14	9/3/2014	<13.0	<13.0	<13.0	<13.0
MW-5	2-4	12/18/2013	<12.0	<12.0	<12.0	<12.0
	6-8	12/18/2013	<11.0	<11.0	<11.0	<11.0
MW-10	8-10	9/3/2014	<12.0	<12.0	<12.0	<12.0
	14-15	9/3/2014	<12.0	<12.0	<12.0	<12.0
MW-11	4-5	9/4/2014	<12.0	<12.0	<12.0	<12.0
	6-8	9/4/2014	<11.0	<11.0	<11.0	<11.0
	12-14	9/4/2014	<12.0	<12.0	<12.0	<12.0
MW-12	3-4	9/4/2014	<12.0	<12.0	<12.0	<12.0
	5-7	9/4/2014	<11.0	<11.0	<11.0	<11.0
	11-12	9/4/2014	<12.0	<12.0	<12.0	<12.0
MW-13	3-4	9/4/2014	<12.0	<12.0	<12.0	<12.0
	9-10	9/4/2014	<12.0	<12.0	<12.0	<12.0
	13-14	9/4/2014	<12.0	<12.0	<12.0	<12.0

Table E5
 Summary of Total Petroleum Hydrocarbons in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

			C6 to C12	>C12 to C28	>C28 to C35	C6 to C35 (Total)
Sample ID	Depth	Date	mg/kg	mg/kg	mg/kg	mg/kg
Residential ^{Tot} Soil _{Comb}			1584.87	2264.20	2264.20	
Residential ^{GW} Soil _{Class3}			6503.43	19800.37	19800.37	
Residential ^{Air} Soil _{Inh-V}			3070.19	15132.67	15132.67	
SB-21	2-3	9/2/2014	<11.0	<11.0	<11.0	<11.0
	5-7	9/2/2014	<12.0	<12.0	<12.0	<12.0
	11-12	9/2/2014	<12.0	<12.0	<12.0	<12.0
SB-22	2-3	9/2/2014	<12.0	<12.0	<12.0	<12.0
	5-7	9/2/2014	<12.0	<12.0	<12.0	<12.0
	11-12	9/2/2014	<12.0	<12.0	<12.0	<12.0
SB-23	2-3	9/2/2014	<12.0	<12.0	<12.0	<12.0
	5-7	9/2/2014	<12.0	<12.0	<12.0	<12.0
	11-12	9/2/2014	<13.0	<13.0	<13.0	<13.0
SB-24	2-3	9/2/2014	<12.0	<12.0	<12.0	<12.0
	5-7	9/2/2014	<12.0	<12.0	<12.0	<12.0
	8-10	9/2/2014	<12.0	<12.0	<12.0	<12.0
SB-25	2-3	9/2/2014	<12.0	<12.0	<12.0	<12.0
	5-7	9/2/2014	<12.0	<12.0	<12.0	<12.0
	11-12	9/2/2014	<12.0	<12.0	<12.0	<12.0
SB-26	2-3	9/2/2014	<11.0	<11.0	<11.0	<11.0
	5-7	9/2/2014	<11.0	<11.0	<11.0	<11.0
	11-12	9/2/2014	<14.0	<14.0	<14.0	<14.0
SB-27	2-3	9/2/2014	<11.0	<11.0	<11.0	<11.0
	5-7	9/2/2014	<12.0	<12.0	<12.0	<12.0
	11-12	9/2/2014	<11.0	<11.0	<11.0	<11.0
SB-28	3-4	9/2/2014	<11.0	<11.0	<11.0	<11.0
	6-8	9/2/2014	<12.0	<12.0	<12.0	<12.0
	10-12	9/2/2014	<12.0	<12.0	<12.0	<12.0
SB-29	2-3	9/2/2014	<11.0	<11.0	<11.0	<11.0
	5-7	9/2/2014	<11.0	<11.0	<11.0	<11.0
	10-12	9/2/2014	<12.0	<12.0	<12.0	<12.0
SB-30	2-3	9/2/2014	<11.0	<11.0	<11.0	<11.0
	5-7	9/2/2014	<11.0	<11.0	<11.0	<11.0
	11-12	9/2/2014	<11.0	<11.0	<11.0	<11.0
SB-31	3-4	9/2/2014	<11.0	<11.0	<11.0	<11.0
	6-8	9/2/2014	760	1500	<23.0	2260
	8-10	9/2/2014	90	42.0 J	<12.0	132
	14-16	9/2/2014	<12.0	<12.0	<12.0	<12.0

Table E5
 Summary of Total Petroleum Hydrocarbons in Soil
 Yale Street Properties
 357 Yale St., Houston, TX 77007

			C6 to C12	>C12 to C28	>C28 to C35	C6 to C35 (Total)
Sample ID	Depth	Date	mg/kg	mg/kg	mg/kg	mg/kg
Residential	^{Tot} Soil _{Comb}		1584.87	2264.20	2264.20	
Residential	^{GW} Soil _{Class3}		6503.43	19800.37	19800.37	
Residential	^{Air} Soil _{Inh-V}		3070.19	15132.67	15132.67	
SB-32	3-4	9/2/2014	<11.0	<11.0	<11.0	<11.0
	5-7	9/2/2014	<12.0	<12.0	<12.0	<12.0
	11-12	9/2/2014	<11.0	<11.0	<11.0	<11.0
SB-33	2-3	9/2/2014	<12.0	<12.0	<12.0	<12.0
	5-7	9/2/2014	<11.0	<11.0	<11.0	<11.0
	11-12	9/2/2014	<11.0	<11.0	<11.0	<11.0

Notes: <: Analyte was not detected at or above the reported sample detection limit.
 J: Analyte was detected at the concentration less than the method detection limit.

Table E6
Summary of RCRA Metals in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Sample ID	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Residential	^{GW} GW _{Class3}	1	200	0.5	10	1.5	0.2	5	12
Residential	^{Air} GW _{Inh-v}						7.3		
MW-1	11/4/2013	23.3	0.581	<0.0006	0.00117 J	<0.0005	<0.00004	<0.0005	<0.0005
	12/11/2013	19.3	0.659	<0.0008	0.0125	0.000768 J	<0.00004	<0.001	<0.0008
	3/5/2014	21.9	0.919	<0.0008	0.13	0.012	<0.00004	0.0029 J	<0.0008
	7/1/2014	24.8	1.76	<0.004	0.334	0.0441	<0.00016	0.0085 J	<0.004
	1/29/2016	17.6	0.558	<0.0002	<0.0004	0.000891 J	<0.00004	0.00217 J	<0.0002
	4/28/2016	20	0.503	0.000267 J	0.000655 J	0.00255 J	<0.00004	0.00311 J	<0.0002
	8/5/2016	6.27	0.452	0.000296 J	<0.0004	0.00205 J	<0.00004	0.00154 J	<0.0002
MW-2	11/4/2013	0.00931	0.254	<0.0006	0.00121 J	<0.0005	<0.00004	0.00281 J	<0.0005
	3/5/2014	0.619	2.18	0.00132 J	11.6	0.242	0.000133 J	0.0433	<0.0008
	7/1/2014	0.0853	0.237	<0.0008	0.00579	<0.0007	0.000054 J	0.00655	<0.0008
	9/9/2014	0.0461	0.201	<0.0008	0.118	0.00168 J	<0.00004	0.00468 J	<0.0008
	1/9/2015	0.342	0.238	<0.0008	1.62	0.00414 J	<0.00004	0.00703	<0.0008
	4/21/2015	0.544	0.199	<0.0008	0.102	0.00194 J	<0.00004	0.00384 J	<0.0008
	7/30/2015	0.459	0.0986	<0.0002	0.00279 J	<0.0006	<0.00004	0.00254 J	<0.0002
	10/14/2015	2.19	0.105	<0.0002	0.0148	<0.0006	<0.00004	0.00191 J	<0.0002
	1/28/2016	3.56	0.131	<0.0002	0.0151	0.000665 J	<0.00004	0.0017 J	<0.0002
	4/28/2016	0.763	0.096	<0.0002	<0.0004	<0.0006	<0.00004	0.00399 J	<0.0002
8/4/2016	1.52	0.0686	<0.0002	<0.0004	<0.0006	<0.00004	0.00114 J	<0.0002	

Table E6
Summary of RCRA Metals in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Sample ID	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Residential	^{GW} GW _{Class3}	1	200	0.5	10	1.5	0.2	5	12
MW-3 ⁽¹⁾	11/4/2013	44.1	0.175	<0.0006	0.165	0.00111 J	<0.00004	0.00176 J	<0.0005
	12/11/2013	95.9	0.228	<0.0008	0.00797	0.00228 J	<0.00004	0.00303 J	<0.0008
	3/5/2014	99.6	0.231	<0.0008	0.00288 J	0.00225 J	<0.00004	0.00442 J	<0.0008
	7/1/2014	110	0.237	<0.0008	<0.001	<0.0007	<0.00004	0.00444 J	<0.0008
	9/10/2014	99	0.227	<0.0008	<0.001	0.000895 J	<0.00004	0.00304 J	<0.0008
	1/9/2015	92.2	0.224	<0.0008	0.0034 J	0.0016 J	<0.00004	0.00454 J	<0.0008
	4/22/2015	131	0.254	<0.004	<0.005	<0.0035	<0.00004	<0.005	<0.004
	7/31/2015	109	0.263	<0.0002	0.00133 J	<0.0006	<0.00004	0.0033 J	<0.0002
	10/15/2015	140	0.255	<0.0002	<0.0004	0.00072 J	<0.00004	0.00558	<0.0002
	2/16/2016	195	0.27	<0.0002	0.00064 J	0.00202 J	<0.00004	0.00725	<0.0002
	8/5/2016	177	0.294	0.000205 J	<0.0004	<0.0006	0.000041 J	0.00531	<0.0002
MW-3R ⁽¹⁾	1/29/2016	269	0.25	<0.0002	0.00126 J	<0.0006	<0.00004	0.00793	<0.0002
	2/16/2016	278	0.258	<0.0002	<0.0004	<0.0006	<0.00004	0.0119	<0.0002
	4/28/2016	306	0.265	<0.0002	<0.0004	<0.0006	<0.00004	0.0121	<0.0002
	8/5/2016	245	0.317	<0.0002	<0.0004	0.00111 J	<0.00004	0.0717	<0.0002

Table E6
Summary of RCRA Metals in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Date	Arsenic mg/L	Barium mg/L	Cadmium mg/L	Chromium mg/L	Lead mg/L	Mercury mg/L	Selenium mg/L	Silver mg/L
Residential	^{GW} GW _{Class3}	1	200	0.5	10	1.5	0.2	5	12
MW-4	11/4/2013	2.95	0.407	<0.0006	0.0024 J	<0.0005	<0.00004	0.000585 J	<0.0005
	12/11/2013	3.63	0.43	<0.0008	0.0826	0.000832 J	<0.00004	<0.001	<0.0008
	3/5/2014	2.76	0.326	<0.0008	0.0126	0.00117 J	<0.00004	0.00143 J	<0.0008
	7/1/2014	2.75	0.343	<0.0008	<0.001	<0.0007	<0.00004	<0.001	<0.0008
	9/10/2014	3.69	0.429	<0.0008	0.00382 J	0.00212 J	0.000054 J	<0.001	<0.0008
	1/9/2015	5.29	0.455	<0.0008	0.385	0.00457 J	<0.00004	0.00276 J	<0.0008
	4/22/2015	6.35	0.412	<0.0008	0.019	0.00161 J	<0.00004	<0.001	<0.0008
	7/31/2015	19.3	0.447	<0.0002	0.000848 J	<0.0006	<0.00004	<0.0011	<0.0002
	10/15/2015	15	0.375	<0.0002	0.00289 J	<0.0006	<0.00004	<0.0011	<0.0002
	1/28/2016	36.7	0.397	<0.0002	0.00428 J	0.000795 J	<0.00004	0.00171 J	<0.0002
	2/16/2016	33.9	0.421	<0.0002	<0.0004	<0.0006	<0.00004	0.00157 J	<0.0002
	4/28/2016	28.4	0.232	<0.0002	<0.0004	<0.0006	<0.00004	0.00347 J	<0.0002
8/5/2016	32.2	0.5	<0.0002	<0.0004	<0.0006	<0.00004	0.00126 J	<0.0002	
MW-5	12/20/2013	0.00106 J	0.102	<0.0008	0.00168 J	<0.0007	<0.00004	<0.001	<0.0008
	3/5/2014	0.00293 J	0.173	<0.0008	0.0169	0.00866	<0.00004	0.00209 J	<0.0008
	7/1/2014	<0.001	0.223	<0.0008	<0.001	<0.0007	<0.00004	0.00134 J	<0.0008
	9/9/2014	<0.001	0.214	<0.0008	<0.001	<0.0007	<0.00004	0.00143 J	<0.0008
	1/8/2015	0.00411 J	0.32	<0.0008	0.0178	0.0109	<0.00004	0.00358 J	<0.0008
	7/31/2015	0.00936	0.266	<0.0002	0.00272 J	0.00213 J	<0.00004	<0.0011	<0.0002
	10/14/2015	0.00461 J	0.266	<0.0002	0.000499 J	<0.0006	<0.00004	<0.0011	<0.0002
	1/28/2016	0.00437 J	0.264	<0.0002	0.00218 J	0.00127 J	<0.00004	0.00214 J	<0.0002
	4/28/2016	0.0269	0.26	<0.0002	0.000777 J	0.000645 J	<0.00004	0.00371 J	<0.0002
8/4/2016	0.00692	0.237	<0.0002	<0.0004	<0.0006	<0.00004	<0.0011	<0.0002	

Table E6
 Summary of RCRA Metals in Groundwater
 Yale Street Properties
 357 Yale St., Houston, TX 77007

		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Sample ID	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Residential	^{GW} GW _{Class3}	1	200	0.5	10	1.5	0.2	5	12
MW-6	12/20/2013	0.979	0.134	<0.0008	0.00134 J	<0.0007	<0.00004	0.0023 J	<0.0008
	3/5/2014	0.683	0.145	<0.0008	0.00175 J	0.00667	<0.00004	0.00188 J	<0.0008
	7/1/2014	0.837	0.132	<0.0008	<0.001	0.0029 J	<0.00004	0.00232 J	<0.0008
	9/9/2014	0.579	0.139	<0.0008	<0.001	<0.0007	0.000046 J	0.00244 J	<0.0008
	1/9/2015	4.69	0.161	<0.0008	0.00559	<0.0007	<0.00004	0.00391 J	<0.0008
	4/21/2015	4.85	0.18	<0.0008	0.0047 J	0.00149 J	<0.00004	0.00167 J	<0.0008
	7/31/2015	6.04	0.225	<0.0002	0.000997 J	<0.0006	<0.00004	<0.0011	<0.0002
	10/15/2015	6.9	0.241	<0.0002	0.2	0.000643 J	<0.00004	<0.0011	<0.0002
	1/28/2016	8.64	0.237	<0.0002	<0.0004	<0.0006	<0.00004	0.00151 J	<0.0002
	4/28/2016	11.2	0.262	<0.0002	<0.0004	<0.0006	<0.00004	0.00334 J	<0.0002
	8/4/2016	2.82	0.219	<0.0002	<0.0004	<0.0006	<0.00004	<0.0011	<0.0002
MW-7	12/20/2013	119	0.173	<0.0008	0.00327 J	<0.0007	<0.00004	0.00324 J	<0.0008
	3/5/2014	127	0.154	<0.0008	0.00822	0.00136 J	<0.00004	0.00267 J	<0.0008
	7/1/2014	137	0.138	<0.0008	<0.001	<0.0007	<0.00004	0.00228 J	<0.0008
	9/10/2014	106	0.162	<0.0008	0.0377	<0.0007	<0.00004	0.00315 J	<0.0008
	1/8/2015	48.7	0.152	<0.0008	0.0758	0.00118 J	<0.00004	0.00233 J	<0.0008
	4/22/2015	67.7	0.183	<0.004	0.866	<0.0035	<0.00004	<0.005	<0.004
	7/31/2015	78.6	0.154	<0.0002	0.166	0.00234 J	<0.00004	0.00187 J	<0.0002
	10/15/2015	105	0.53	0.00154 J	7.22	0.0312	0.000057 J	0.00608	0.000233 J
	1/29/2016	46.8	0.129	<0.0002	0.0267	0.00224 J	<0.00004	0.0026 J	<0.0002
	4/28/2016	27.8	0.147	<0.0002	0.00114 J	0.00157 J	<0.00004	0.00414 J	<0.0002
	8/4/2016	206	0.165	<0.0002	0.000968 J	0.00163 J	<0.00004	0.00668	<0.0002
9/12/2016	136	0.162	<0.0002	<0.0004	<0.0006	<0.00004	0.00604	<0.0002	

Table E6
Summary of RCRA Metals in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Sample ID	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Residential	^{GW} GW _{Class3}	1	200	0.5	10	1.5	0.2	5	12
MW-8	2/7/2014	0.00463 J	-	-	-	-	-	-	-
	3/5/2014	0.0057	0.203	<0.0008	0.037	0.00745	<0.00004	0.00975	<0.0008
	7/1/2014	0.00339 J	0.168	<0.0008	0.0423	0.003 J	<0.00004	0.00764	<0.0008
	9/9/2014	0.00298 J	0.184	<0.0008	0.00258 J	0.00106 J	0.000085 J	0.0087	<0.0008
	1/8/2015	0.00442 J	0.19	<0.0008	0.448	0.00349 J	<0.00004	0.0109	<0.0008
	4/21/2015	0.00403 J	0.271	<0.0008	0.111	0.00269 J	<0.00004	0.00827	<0.0008
	7/30/2015	0.00638	0.173	<0.0002	0.0227	0.000979 J	0.000073 J	0.00767	<0.0002
	10/14/2015	0.0183	0.131	<0.0002	0.014	0.000773 J	<0.00004	0.00728	<0.0002
	1/28/2016	0.00354 J	0.14	<0.0002	0.0206	0.00701	0.000043 J	0.00759	<0.0002
	4/28/2016	0.0169	0.138	<0.0002	0.000957 J	<0.0006	0.000061 J	0.0103	<0.0002
8/4/2016	0.0055	0.139	<0.0002	0.000869 J	<0.0006	<0.00004	0.00794	<0.0002	
MW-9	9/9/2014	0.00161 J	0.222	<0.0008	<0.001	<0.0007	0.000063 J	0.00878	<0.0008
	1/8/2015	<0.001	0.171	<0.0008	<0.001	<0.0007	0.000066 J	0.00987	<0.0008
	4/21/2015	0.00108 J	0.152	<0.0008	<0.001	<0.0007	0.000092 J	0.00762	<0.0008
	7/30/2015	0.00118 J	0.151	<0.0002	<0.0004	<0.0006	0.000103 J	0.00693	<0.0002
	10/14/2015	0.00381 J	0.149	<0.0002	<0.0004	<0.0006	0.000062 J	0.00628	<0.0002
	1/28/2016	0.00225 J	0.138	<0.0002	<0.0004	<0.0006	0.000111 J	0.00704	<0.0002
	4/28/2016	0.0083	0.154	<0.0002	<0.0004	<0.0006	0.00011 J	0.00946	<0.0002
8/4/2016	0.0102	0.14	<0.0002	<0.0004	<0.0006	0.000447	0.00729	<0.0002	

Table E6
Summary of RCRA Metals in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Sample ID	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Residential	^{GW} GW _{Class3}	1	200	0.5	10	1.5	0.2	5	12
MW-10	9/9/2014	0.0757	0.183	<0.0008	0.00787	0.0023 J	<0.00004	0.00371 J	<0.0008
	1/8/2015	0.038	0.216	<0.0008	0.405	0.00233 J	<0.00004	0.00857	<0.0008
	4/21/2015	0.0357	0.208	<0.0008	0.0048 J	<0.0007	<0.00004	0.0048 J	<0.0008
	7/30/2015	0.0271	0.232	<0.0002	0.00145 J	<0.0006	<0.00004	0.00511	<0.0002
	10/15/2015	0.0305	0.241	<0.0002	0.00333 J	<0.0006	<0.00004	0.00594	<0.0002
	1/28/2016	0.0175	0.271	<0.0002	0.00771	0.00335 J	<0.00004	0.005 J	<0.0002
	4/28/2016	0.0194	0.21	<0.0002	0.00249 J	<0.0006	<0.00004	0.00456 J	<0.0002
	8/4/2016	0.0261	0.191	<0.0002	0.00236 J	0.000607 J	<0.00004	0.00433 J	<0.0002
MW-11	9/9/2014	<0.001	0.101	<0.0008	<0.001	<0.0007	<0.00004	0.0075	<0.0008
	1/9/2015	<0.001	0.13	<0.0008	0.0011 J	<0.0007	<0.00004	0.0096	<0.0008
	4/21/2015	0.00145 J	0.146	<0.0008	<0.001	<0.0007	<0.00004	0.00687	<0.0008
	7/30/2015	0.00127 J	0.148	<0.0002	0.00196 J	<0.0006	<0.00004	0.00568	<0.0002
	10/14/2015	0.000803 J	0.152	<0.0002	0.000986 J	<0.0006	<0.00004	0.0054	<0.0002
	1/29/2016	0.00285 J	0.136	<0.0002	<0.0004	<0.0006	<0.00004	0.00536	<0.0002
	4/28/2016	0.000816 J	0.141	<0.0002	<0.0004	<0.0006	<0.00004	0.00449 J	<0.0002
	8/5/2016	0.00601	0.14	<0.0002	0.000523 J	<0.0006	<0.00004	0.00461 J	<0.0002
MW-12	9/9/2014	2.43	0.0902	<0.0008	0.00516	<0.0007	<0.00004	0.0127	<0.0008
	1/9/2015	2.76	0.1	<0.0008	0.00578	<0.0007	<0.00004	0.0167	<0.0008
	4/21/2015	2.56	0.101	<0.0008	0.00424 J	<0.0007	<0.00004	0.0177	<0.0008
	7/31/2015	3.32	0.0962	<0.0002	0.0099	<0.0006	<0.00004	0.0212	<0.0002
	10/14/2015	3.46	0.0856	<0.0002	0.0026 J	<0.0006	<0.00004	0.0147	<0.0002
	1/29/2016	2.84	0.0844	<0.0002	0.00648	<0.0006	<0.00004	0.0116	<0.0002
	4/28/2016	3.00	0.0938	<0.0002	0.00784	<0.0006	<0.00004	0.0122	<0.0002
	8/4/2016	2.64	0.0879	<0.0002	0.00894	<0.0006	<0.00004	0.0103	<0.0002

Table E6
 Summary of RCRA Metals in Groundwater
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Date	Arsenic mg/L	Barium mg/L	Cadmium mg/L	Chromium mg/L	Lead mg/L	Mercury mg/L	Selenium mg/L	Silver mg/L
Residential	^{GW} GW _{Class3}	1	200	0.5	10	1.5	0.2	5	12
MW-13	9/9/2014	25	0.275	<0.0008	<0.001	<0.0007	<0.00004	<0.001	<0.0008
	1/9/2015	26.9	0.265	<0.0008	<0.001	<0.0007	<0.00004	0.00317 J	<0.0008
	4/21/2015	25.5	0.234	<0.0008	<0.001	<0.0007	<0.00004	0.00179 J	<0.0008
	7/31/2015	24.3	0.228	<0.0002	<0.0004	<0.0006	<0.00004	<0.0011	<0.0002
	10/14/2015	21	0.231	<0.0002	<0.0004	<0.0006	<0.00004	<0.0011	<0.0002
	1/28/2016	19.2	0.211	<0.0002	<0.0004	<0.0006	<0.00004	0.00159 J	<0.0002
	4/28/2016	20.8	0.2	<0.0002	<0.0004	<0.0006	<0.00004	<0.0011	<0.0002
	8/4/2016	17.3	0.196	<0.0002	<0.0004	<0.0006	<0.00004	0.00134 J	<0.0002
TMW-05	9/25/2012	56	-	-	-	<0.001	<0.0002	-	-
TMW-06	9/24/2012	0.035	-	-	-	0.014	<0.0002	-	-
TMW-07	9/24/2012	1.3	-	-	-	0.00083 J	<0.0002	-	-
TMW-08	9/24/2012	1.1	-	-	-	<0.001	<0.0002	-	-
TMW-09	9/24/2012	0.013	-	-	-	<0.001	<0.0002	-	-

Notes:



Exceeds a PCL

<: Analyte was not detected at or above the reported sample detection limit

J: Analyte was detected at the concentration less than the method detection limit

(1): MW-3 and MW-3R are nested wells. The screened interval for MW-3R is 5-ft and fully contained in the transmissive unit

Table E7
 Summary of Pesticides in Groundwater
 Yale Street Properties
 357 Yale St., Houston, TX 77007

		alpha-BHC	beta-BHC	delta-BHC	gamma-BHC	alpha-Chlordane	gamma-Chlordane	Heptachlor
Sample ID	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Residential	^{GW} GW _{Class3}	0.01448	0.051	0.051	0.02	0.261		0.04
TMW-05	9/25/2012	<0.00005	<0.00005	<0.00005	<0.00005	-	-	<0.00005
TMW-06	9/24/2012	<0.00005	<0.00005	<0.00005	<0.00005	-	-	<0.00005
TMW-07	9/24/2012	<0.00005	<0.00005	<0.00005	<0.00005	-	-	<0.00005
TMW-08	9/24/2012	<0.00005	<0.00005	<0.00005	<0.00005	-	-	<0.00005
TMW-09	9/24/2012	<0.00005	<0.00005	<0.00005	<0.00005	-	-	<0.00005
MW-1	11/4/2013	<0.00001	0.000032 J	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001
MW-2	11/4/2013	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001
MW-3	11/4/2013	0.000068	0.00019	0.000071	0.00005 J	<0.00002	<0.00002	<0.00001
MW-4	11/4/2013	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001
MW-12	9/17/2014	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001
MW-13	9/17/2014	<0.00001	<0.00001	0.00031	0.00019	0.000028 J	0.00002 J	0.00026

Notes: <: Analyte was not detected at or above the reported sample detection limit.
 J: Analyte was detected at the concentration less than the method detection limit.

Table E8
 Summary of Herbicides in Groundwater
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Date	2,4,5-T mg/L	2,4,5-TP (Silvex) mg/L	2,4-D mg/L	2,4-DB mg/L	Dalapon mg/L	Dicamba mg/L	Dichlorprop mg/L	Dinoseb mg/L	MCPA mg/L	MCP mg/L
Residential	^{GW} GW _{Class3}	24.442	5	7	19.554	20	73.326	24.442	0.7	1.222	2.444
TMW-05	9/25/2012	<0.002	<0.002	<0.002	<0.002	<0.2	<0.002	<0.002	<0.002	<0.1	<0.1
TMW-06	9/24/2012	<0.002	<0.002	<0.002	<0.002	<0.2	<0.002	<0.002	<0.002	<0.1	<0.1
TMW-07	9/24/2012	<0.002	<0.002	<0.002	<0.002	<0.2	<0.002	<0.002	<0.002	<0.1	<0.1
TMW-08	9/24/2012	<0.002	<0.002	<0.002	<0.002	<0.2	<0.002	<0.002	<0.002	<0.1	<0.1
TMW-09	9/24/2012	<0.002	<0.002	<0.002	<0.002	<0.2	<0.002	<0.002	<0.002	<0.1	<0.1

Notes: <: Analyte was not detected at or above the reported sample detection limit.

Table E9
Summary of Volatile Organic Compounds in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylenes, Total mg/L	MTBE mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	cis-1,2-Dichloroethene mg/L	trans-1,2-Dichloroethene mg/L	Vinyl chloride mg/L	1,1-Dichloroethene mg/L
Residential	^{GW} GW _{Class3}	0.5	100	70	1000	24	0.5	0.5	7	10	0.2	0.7
Residential	^{Air} GW _{Inh-V}	180	64000	30000	10000	4000	500	24	1200	770	3.8	1700
MW-1	11/4/2013	0.2	0.0005 J	0.0056	0.0076 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0006
	3/5/2014	0.24	<0.005	0.14	0.14 J	<0.006	<0.006	<0.005	<0.006	<0.004	<0.004	<0.005
	7/1/2014	0.22	<0.01	0.17	0.15 J	<0.012	<0.012	<0.01	<0.012	<0.008	<0.008	<0.01
	1/29/2016	0.029	<0.0005	0.012	0.0085 J	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/28/2016	0.019	<0.0005	0.019	0.014 J	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	8/5/2016	0.039	<0.0005	0.013	0.009 J	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
MW-2	11/4/2013	<0.0005	<0.0005	<0.0005	<0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0006
	3/5/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/1/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	9/9/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/9/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	0.001 J	<0.0004	<0.0004	<0.0005
	4/21/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	0.0011 J	<0.0004	<0.0004	<0.0005
	7/30/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	0.0022 J	<0.0004	<0.0004	<0.0005
	10/14/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	0.0013 J	<0.0004	<0.0004	<0.0005
	1/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	0.00071 J	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	0.00066 J	<0.0004	<0.0004	<0.0005
8/4/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005	

Table E9
Summary of Volatile Organic Compounds in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylenes, Total mg/L	MTBE mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	cis-1,2-Dichloroethene mg/L	trans-1,2-Dichloroethene mg/L	Vinyl chloride mg/L	1,1-Dichloroethene mg/L
Residential	^{GW} GW _{Class3}	0.5	100	70	1000	24	0.5	0.5	7	10	0.2	0.7
MW-3 ⁽¹⁾	11/4/2013	<0.0005	<0.0005	<0.0005	<0.0015	<0.001	0.071	0.028	0.031	<0.001	0.0013 J	<0.0006
	3/5/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.05	0.02	0.024	0.00062 J	0.00095 J	<0.0005
	7/1/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.016	0.011	0.02	<0.0004	0.00075 J	<0.0005
	9/10/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.037	0.017	0.019	<0.0004	0.00068 J	<0.0005
	1/9/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.026	0.012	0.014	0.00041 J	0.00051 J	<0.0005
	4/22/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.016	0.008	0.011	<0.0004	<0.0004	<0.0005
	7/31/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0044 J	0.0032 J	0.0072	<0.0004	<0.0004	<0.0005
	10/15/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0028 J	0.0023 J	0.0073	<0.0004	<0.0004	<0.0005
8/5/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0097	0.0053	0.0055	<0.0004	<0.0004	<0.0005	
MW-3R ⁽¹⁾	1/29/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0045 J	0.0028 J	0.0063	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0089	0.0059	0.0079	<0.0004	<0.0004	<0.0005
	8/5/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.014	0.0062	0.0058	<0.0004	<0.0004	<0.0005
MW-4	11/4/2013	<0.0005	<0.0005	<0.0005	<0.0015	<0.001	<0.001	0.0013 J	0.0085	<0.001	<0.0005	<0.0006
	3/5/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.002 J	0.0065	0.00043 J	<0.0004	<0.0005
	7/1/2014	0.00067 J	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.0017 J	0.0082	<0.0004	<0.0004	<0.0005
	9/10/2014	0.0011 J	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.002 J	0.01	<0.0004	<0.0004	<0.0005
	1/9/2015	0.00066 J	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.0015 J	0.0098	<0.0004	<0.0004	<0.0005
	4/22/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.0028 J	0.011	<0.0004	<0.0004	<0.0005
	7/31/2015	0.00067 J	<0.0005	<0.0005	<0.0015	0.00062 J	<0.0006	0.0033 J	0.017	0.00066 J	<0.0004	<0.0005
	10/15/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.0034 J	0.012	0.00063 J	<0.0004	<0.0005
	1/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.0048 J	0.012	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.0049 J	0.008	<0.0004	<0.0004	<0.0005
8/5/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.003 J	0.0079	<0.0004	<0.0004	<0.0005	

Table E9
Summary of Volatile Organic Compounds in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylenes, Total mg/L	MTBE mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	cis-1,2-Dichloroethene mg/L	trans-1,2-Dichloroethene mg/L	Vinyl chloride mg/L	1,1-Dichloroethene mg/L
Residential	^{GW} GW _{Class3}	0.5	100	70	1000	24	0.5	0.5	7	10	0.2	0.7
MW-5	12/20/2013	<0.0005	<0.0005	<0.0005	<0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0006
	3/5/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/1/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	9/9/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/8/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/31/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	10/14/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	0.0014 J	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
8/4/2016	<0.0006	<0.0005	<0.0005	<0.0015	0.0013 J	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005	
MW-6	12/20/2013	<0.0005	<0.0005	<0.0005	<0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0006
	3/5/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0018 J	0.001 J	<0.0006	<0.0004	<0.0004	<0.0005
	7/1/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0012 J	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	9/9/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/9/2015	0.0011 J	<0.0005	<0.0005	<0.0015	<0.0006	0.0011 J	0.00083 J	<0.0006	<0.0004	<0.0004	<0.0005
	4/21/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0012 J	0.001 J	<0.0006	<0.0004	<0.0004	<0.0005
	7/31/2015	0.0022 J	<0.0005	<0.0005	<0.0015	<0.0006	0.00063 J	0.00071 J	<0.0006	<0.0004	<0.0004	<0.0005
	10/15/2015	0.002 J	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.00064 J	<0.0006	<0.0004	<0.0004	<0.0005
	1/28/2016	0.0018 J	<0.0005	<0.0005	<0.0015	<0.0006	0.00069 J	0.00063 J	<0.0006	<0.0004	<0.0004	<0.0005
	4/28/2016	0.0015 J	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.0008 J	<0.0006	<0.0004	<0.0004	<0.0005
8/4/2016	0.0034 J	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	0.00087 J	<0.0006	<0.0004	<0.0004	<0.0005	

Table E9
Summary of Volatile Organic Compounds in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylenes, Total mg/L	MTBE mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	cis-1,2- Dichloroethene mg/L	trans-1,2- Dichloroethene mg/L	Vinyl chloride mg/L	1,1-Dichloroethene mg/L
Residential	^{GW} GW _{Class3}	0.5	100	70	1000	24	0.5	0.5	7	10	0.2	0.7
MW-7	12/20/2013	<0.0005	<0.0005	<0.0005	<0.0015	<0.001	0.011	0.008	0.016	<0.001	<0.0005	<0.0006
	3/5/2014	<0.0006	<0.0005	<0.0005	<0.0015	0.00073 J	0.021	0.015	0.021	0.00085 J	<0.0004	<0.0005
	7/1/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0054	0.0067	0.018	<0.0004	<0.0004	<0.0005
	9/10/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.015	0.011	0.018	<0.0004	<0.0004	<0.0005
	1/8/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.033	0.017	0.018	0.0007 J	0.0014 J	<0.0005
	4/22/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.02	0.0098	0.012	<0.0004	<0.0004	<0.0005
	7/31/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.02	0.012	0.017	0.00059 J	0.00059 J	<0.0005
	10/15/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0026 J	0.0041 J	0.013	<0.0004	<0.0004	<0.0005
	1/29/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.023	0.012	0.013	<0.0004	0.00058 J	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0028 J	0.0018 J	0.0022 J	<0.0004	<0.0004	<0.0005
8/4/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0087	0.0057	0.01	<0.0004	<0.0004	<0.0005	
MW-8	3/5/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/1/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	9/9/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/8/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/21/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/30/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	10/14/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
8/4/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005	

Table E9
Summary of Volatile Organic Compounds in Groundwater
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample ID	Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylenes, Total mg/L	MTBE mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	cis-1,2-Dichloroethene mg/L	trans-1,2-Dichloroethene mg/L	Vinyl chloride mg/L	1,1-Dichloroethene mg/L
Residential	^{GW} GW _{Class3}	0.5	100	70	1000	24	0.5	0.5	7	10	0.2	0.7
MW-9	9/9/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/8/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/21/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/30/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	10/14/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	8/4/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
MW-10	9/9/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/8/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/21/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/30/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	10/15/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	8/4/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
MW-11	9/9/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/9/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0011 J	0.003 J	0.00074 J	<0.0004	<0.0004	<0.0005
	4/21/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0017 J	0.004 J	0.00089 J	<0.0004	<0.0004	<0.0005
	7/30/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0014 J	0.0035 J	0.00092 J	<0.0004	<0.0004	<0.0005
	10/14/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.002 J	0.0046 J	0.0013 J	0.00044 J	<0.0004	<0.0005
	1/29/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0015 J	0.0032 J	0.00066 J	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0015 J	0.0033 J	0.0015 J	0.00044 J	<0.0004	<0.0005
	8/5/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	0.0019 J	0.003 J	0.0013 J	<0.0004	<0.0004	<0.0005

Table E9
 Summary of Volatile Organic Compounds in Groundwater
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample ID	Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylenes, Total mg/L	MTBE mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	cis-1,2-Dichloroethene mg/L	trans-1,2-Dichloroethene mg/L	Vinyl chloride mg/L	1,1-Dichloroethene mg/L
Residential	^{GW} GW _{Class3}	0.5	100	70	1000	24	0.5	0.5	7	10	0.2	0.7
MW-12	9/9/2014	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/9/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/21/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/31/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	10/14/2015	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/29/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/28/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	8/4/2016	<0.0006	<0.0005	<0.0005	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
MW-13	9/9/2014	0.0019 J	<0.0005	0.0029 J	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/9/2015	0.0061	<0.0005	0.0046 J	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/21/2015	0.0063	<0.0005	0.0045 J	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	7/31/2015	0.0074	0.00052 J	0.0047 J	0.0015 J	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	10/14/2015	0.0079	0.0006 J	0.0044 J	0.002 J	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	1/28/2016	0.0067	<0.0005	0.0036 J	<0.0015	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	4/28/2016	0.006	<0.0005	0.004 J	0.0018 J	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005
	8/4/2016	0.0053	<0.0005	0.0039 J	0.0024 J	<0.0006	<0.0006	<0.0005	<0.0006	<0.0004	<0.0004	<0.0005

Notes: <: Analyte was not detected at or above the reported sample detection limit
 J: Analyte was detected at the concentration less than the method detection limit
 (1): MW-3 and MW-3R are nested wells. The screened interval for MW-3R is 5-ft and fully contained in the transmissive unit

Table E10
 Summary of Total Petroleum Hydrocarbons in Groundwater
 Yale Street Properties
 357 Yale St., Houston, TX 77007

		C6 to C12	>C12 to C28	>C28 to C35	C6 to C35 (Total)
Sample ID	Date	mg/L	mg/L	mg/L	mg/L
Residential	^{GW} Class3	97.768	97.768	97.768	
TMW-06	9/24/2012	<0.9	<0.9	<0.9	<0.9
TMW-07	9/24/2012	<0.9	<0.9	<0.9	<0.9
TMW-08	9/24/2012	2.7	<0.9	<0.9	2.7
TMW-09	9/24/2012	<0.9	<0.9	<0.9	<0.9
TMW-10	12/18/2013	<0.19	<0.19	<0.19	<0.19
MW-1	11/4/2013	1	<0.2	<0.2	1
MW-2	11/4/2013	<0.2	<0.2	<0.2	<0.2
MW-2R	9/9/2014	<0.19	<0.19	<0.19	<0.19
MW-3	9/10/2014	<0.2	<0.2	<0.2	<0.2
MW-4	11/4/2013	<0.19	<0.19	<0.19	<0.19
	9/10/2014	<0.19	<0.19	<0.19	<0.19
MW-5	12/20/2013	<0.19	<0.19	<0.19	<0.19
	9/9/2014	<0.19	<0.19	<0.19	<0.19
MW-6	12/20/2013	<0.19	<0.19	<0.19	<0.19
	9/9/2014	<0.19	<0.19	<0.19	<0.19
MW-7	12/20/2013	<0.19	<0.19	<0.19	<0.19
	9/10/2014	<0.19	1.2	<0.19	1.2
MW-8	9/9/2014	<0.19	<0.19	<0.19	<0.19
MW-9	9/9/2014	<0.19	<0.19	<0.19	<0.19
MW-10	9/9/2014	<0.19	<0.19	<0.19	<0.19
MW-11	9/9/2014	<0.19	<0.19	<0.19	<0.19
MW-12	9/9/2014	<0.19	<0.19	<0.19	<0.19
MW-13	9/9/2014	0.83	<0.19	<0.19	0.83

Notes: <: Analyte detected below the laboratory detection limit

Table E11
 Summary of RCRA Metals in Surface Water
 Yale Street Properties
 357 Yale St., Houston, TX 77007

		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Sample ID	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Aquatic Life SW RBEL ^{SW} GW		0.15	16	0.00015	0.0042	0.00117	0.0013	0.005	0.0001
SW-1	1/20/2014	0.00527	0.146	<0.0008	<0.001	0.000989 J	<0.00004	<0.001	<0.0008
	1/23/2014	0.00377 J	0.155	<0.0008	0.00333 J	<0.0007	<0.00004	<0.001	<0.0008
SW-2	1/20/2014	0.00205 J	0.145	<0.0008	0.00208 J	0.000845 J	<0.00004	<0.001	<0.0008
	1/23/2014	0.00174 J	0.157	<0.0008	<0.001	<0.0007	<0.00004	<0.001	<0.0008

Notes: <: Analyte was not detected in sample at or above the reported sample detection limit
 J: Analyte was detected in sample at the estimated concentration less than the method detection limit.

Appendix F

If the plume extends beyond the limits of property owners listed in this application, list the owners of the additional property beneath which the plume(s) extend(s), and a summary of the 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 plume extends beyond the limits of the subject property to the west. The property onto which the plume extends is owned by Harris County Flood Control District (HCFCD). HCFCD was verbally notified by InControl Technologies to gain access to the property to install the offsite groundwater monitoring wells.

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.

Shallow groundwater is primarily affected by arsenic, and to a much lesser degree, chlorinated solvents and hydrocarbons. The only compound in groundwater that exceeds a PCL is arsenic. The arsenic is associated with the former manufacture of arsenic based herbicides and pesticides. The chlorinated solvents are associated with the former Gulf Laundry and Cleaning Supply but are present at or below the target Tier 1 PCL for Class 3 groundwater. The hydrocarbons are associated with a former gas station on the subject property. The source is no longer active at this site and the TCEQ has issued a final concurrence and the case is closed.

In November 2015, InControl Technologies conducted a soil response action on the subject property. This response action included a large scale excavation of arsenic contaminated soil, treatment of soil that was not removed, and installation of a three-foot thick clay cap on top of the material that was not able to be excavated. A total of 3,925 cubic yards of soil was treated and/or removed from the site.

The current groundwater monitoring network consists of fourteen permanent groundwater monitoring wells installed in the first groundwater bearing unit (GWBU). Ten of the wells are on-site wells and four of the wells are along Whiteoak Bayou on property belonging to Harris County Flood Control District. Nine of these wells have exceeded a Tier 1 ^{GW}GW_{Ing} Residential PCL at some point during the sampling history. The lateral extent of groundwater impact in the shallow groundwater bearing unit is delineated. According to the most recent groundwater data, the concentrations of COCs within the plume are stable (**Table E4**). **Figure C4** depicts the COC plume in shallow groundwater.

The groundwater plume is defined by several groundwater monitoring wells. The downgradient plume to the west is delineated by MW-8 and MW-9. The cross gradient wells to the north are MW-5 and MW-10. Upgradient wells included MW-11. The cross gradient to the south runs into a site that was controlled by TxDOT. TxDOT discovered fill and construction debris during the expansion of IH-10 and Katy Freeway Service Road. The TCEQ has not required any offsite delineation in this direction due to the efforts conducted by TxDOT. In addition, TxDOT will not allow any groundwater monitoring wells to be placed in their right of way. The next available real estate to place a monitoring well is over 500-feet cross gradient.

The western edge of the subject property is bordered by Whiteoak Bayou. Two surface water samples (**Table E11**) were collected from Whiteoak Bayou on two separate occasions adjacent to the subject property. The samples were analyzed for RCRA Metals by EPA Method 6020/7470. None of the samples reported any of the compounds above a PCL. Because the metals were detected below the PCL, it was determined that COCs from the subject property are not impacting Whiteoak Bayou.

In summary, the groundwater data collected to date indicates that the area of affected groundwater is stable, and was the result of historic releases associated with past operations within the proposed MSD boundary. The source area wells include MW-3, MW-3R and MW-7. The concentration of arsenic in this

well is highly variable due to the construction. The screen for this well extends up into the unsaturated zone and was like influences by groundwater infiltration during the heavy rain. The concentration of arsenic remained stable between 95 mg/L to 110 mg/L. After the response action activities, an increase in concentration was observed likely due to the fact that the surface completion was compromised during construction. InControl Technologies installed a new well (MW-3R) and eventually repaired the surface completion for the existing MW-3. MW-3R was installed with a small screened interval focusing just on the groundwater unit. The concentration of arsenic in this well has remained stable during the last four sampling efforts. The concentration of arsenic in MW-3 also declined during this last monitoring event. **Table G1** summarizes the cumulative gauging data for the site.

MW-7 is also a source area well. The concentration of arsenic in this well has fluctuated over time. During normal events, the concentration is around 120 mg/L to 140 mg/L with the latest reported concentration of 136 mg/L. During drought periods, the concentration drops to the 50 mg/L to 80 mg/L. However, during the period of the recent flooding along Whiteoak Bayou and Yale Street (August 2016 sampling event), a sharp rise in concentration was observed. It was also discovered that the groundwater monitoring well completion was compromised and had to be replaced. The subsequent groundwater monitoring event after the surface completion was repaired returned to more normal conditions (136 mg/L).

The concentration of arsenic in MW-1 has declined over time since the completion of the soil removal action. Prior to the soil excavation, the concentration of arsenic in MW-1 was around 20 to 25 mg/L. MW-1 was not sampled during 2015 due to NAPL being present in the well. InControl Technologies implemented a NAPL recovery program and now there is no more NAPL in the well. In 2016, the concentration of arsenic in MW-1 has declined.

MW-2/2R is located near the source area. This well originally reported concentration near 0.5 mg/L. After the soil response action, the surface completion for MW-2 had to be replaced. The concentration of arsenic also jumped to 2.19 to 3.56 mg/L. More recently, the concentration has declined to 1.52 mg/L. In general, the concentration of arsenic in MW-2/2R remains stable.

The concentration of arsenic in MW-4 was originally around 3 to 6 mg/L. After the soil response action, the concentration of arsenic jumped by a factor 10. However, the concentration of arsenic in the well has remained stable ranging from 28.4 mg/L to 36.7 mg/L. It is our opinion that the concentration of arsenic in MW-4 is stable.

MW-6 is located at the perimeter of the former operations for the subject chemical company. When the well was originally installed, the well reported between 0.5 to 1.0 mg/L arsenic. In 2015, the concentration jumped roughly 5 to 11 mg/L. The most recent observed (2.82 mg/L) is showing a decrease in concentration. It is our opinion that the concentration of arsenic in this well is stable and is showing signs of decreasing now.

The concentration of arsenic in MW-12 has remained relatively stable over time ranging in concentration from 2.43 mg/L to 3.46 mg/L. The current concentration of arsenic in MW-12 is 2.64 mg/L. The reported levels are at or near the Tier 1 PCL (1.0 mg/L) and defines the near upgradient edge of the plume. This is

also the location where the upper groundwater unit dips. This dip forms a natural barrier to groundwater flow. MW-12 is the reasonable upgradient edge for the plume.

MW-13 located along the southern property boundary adjacent to the offsite pit that was excavated by TxDOT as part of their construction project. The concentration of arsenic in this well has ranged from 19 to 27 mg/L. The most recent concentration (17.3 mg/L) is the lowest concentration observed in this well. It is our opinion that the concentration of arsenic in this well is stable.

Table G1
Summary of Groundwater Elevations
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample Location	Date	Top of Casing (ft MSL)	Depth to Product (ft-toc)	Depth to Water (ft-toc)	PSH Thickness (ft)	Well Total Depth (ft)	Ground Water Elevation (ft MSL)	
MW-1	11/5/2013	41.64						
	11/21/2013			28.57		31.89	13.07	
	12/10/2013				28.60		31.89	13.04
	12/20/2013				28.59			13.05
	6/30/2014				28.99			12.65
	9/9/2014			27.95	28.88	0.93		12.76
	11/17/2014			27.41	28.36	0.95	31.59	13.28
	1/8/2015			27.44	28.35	0.91		13.29
	4/21/2015			27.10	28.21	1.11		13.43
	7/30/2015			25.72	25.89	0.17		15.75
	10/14/2015			26.49	26.52	0.03		15.12
	1/28/2016		46.48		30.41		35.49	16.07
	4/28/2016				30.42			16.06
	8/4/2016			30.54			15.94	
MW-2	11/5/2013	45.53						
	11/21/2013			33.12		34.68	12.41	
	12/10/2013			32.94		34.68	12.59	
	12/20/2013			32.97			12.56	
	6/30/2014			32.80			12.73	
	9/9/2014			32.34			13.19	
	11/17/2014			31.79		38.92	13.74	
	1/8/2015			31.96			13.57	
	4/21/2015			31.58			13.95	
	7/30/2015			30.30			15.23	
	10/14/2015			30.91			14.62	
	1/28/2016		47.64		32.03		40.76	15.61
	4/28/2016				31.92			15.72
	8/4/2016			32.16			15.48	
MW-3	11/5/2013	43.82						
	11/21/2013			31.55		35.24	12.27	
	12/10/2013			31.41		35.24	12.41	
	12/20/2013			31.47			12.35	
	6/30/2014			31.32			12.50	
	9/9/2014			30.79			13.03	
	11/17/2014			30.53		35.09	13.29	
	1/8/2015			30.68			13.14	
	4/21/2015			30.21			13.61	
	7/30/2015			29.32			14.50	
	10/14/2015			29.83			13.99	
	8/4/2016			32.19			11.63	

Table G1
Summary of Groundwater Elevations
Yale Street Properties
357 Yale St., Houston, TX 77007

Sample Location	Date	Top of Casing (ft MSL)	Depth to Product (ft-toc)	Depth to Water (ft-toc)	PSH Thickness (ft)	Well Total Depth (ft)	Ground Water Elevation (ft MSL)	
MW-3R	1/28/2016	47.17		31.61		39.14	15.56	
	4/28/2016			31.73			15.44	
	8/4/2016			31.75			15.42	
MW-4	11/5/2013	43.31				35.00		
	11/21/2013			31.16			12.15	
	12/10/2013			31.01			12.30	
	12/20/2013			31.07			12.24	
	6/30/2014			30.94			12.37	
	9/9/2014			30.43			12.88	
	11/17/2014			30.23			35.27	13.08
	1/8/2015			30.40			12.91	
	4/21/2015			29.93			13.38	
	7/30/2015			28.94			14.37	
	10/14/2015		29.43		13.88			
	1/28/2016	47.14		32.57		38.79	14.57	
	4/28/2016			32.15			14.99	
	8/4/2016			32.59			14.55	
MW-5	12/20/2013	44.79		29.58		35.00	15.21	
	6/30/2014			29.05			15.74	
	9/9/2014			29.19			15.60	
	11/17/2014			Well inaccessible				
	1/8/2015			28.73			16.06	
	4/21/2015		Well unable to be located					
	7/30/2015		26.36		18.43			
	10/14/2015		27.32		17.47			
	1/28/2016	48.29		30.10		37.24	18.19	
	4/28/2016			30.16			18.13	
8/4/2016			30.35		17.94			
MW-6	12/20/2013	40.22		28.37		35.00	11.85	
	6/30/2014			28.29			11.93	
	9/9/2014			27.79			12.43	
	11/17/2014			27.63			34.41	12.59
	1/8/2015			27.80			12.42	
	4/21/2015			27.69			12.53	
	7/30/2015			26.85		13.37		
	10/14/2015			27.32		12.90		
	1/28/2016			26.85		13.37		
	4/28/2016			25.86		14.36		
	8/4/2016			26.79		13.43		

Table G1
 Summary of Groundwater Elevations
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample Location	Date	Top of Casing (ft MSL)	Depth to Product (ft-toc)	Depth to Water (ft-toc)	PSH Thickness (ft)	Well Total Depth (ft)	Ground Water Elevation (ft MSL)
MW-7	12/20/2013	40.48		29.35		34.00	11.13
	6/30/2014			29.27			11.21
	9/9/2014			27.95			12.53
	11/17/2014			28.54		33.02	11.94
	1/8/2015			28.85			11.63
	4/21/2015			27.98			12.50
	7/30/2015			28.11			12.37
	10/14/2015			28.44			12.04
	1/28/2016			28.02			12.46
	4/28/2016			26.92			13.56
8/4/2016		27.91				12.57	
MW-8	2/7/2013	52.26		41.74		45.00	10.52
	6/30/2014			41.49			10.77
	9/9/2014			41.34			10.92
	11/17/2014			41.28		48.49	10.98
	1/8/2015			41.34			10.92
	4/21/2015			40.97			11.29
	7/30/2015			40.70			11.56
	10/14/2015			41.08			11.18
	1/28/2016			40.76			11.50
	4/28/2016			40.42			11.84
8/4/2016		40.44				11.82	
MW-9	9/9/2014	38.72		27.10		45.00	11.62
	11/17/2014			27.18		43.23	11.54
	1/8/2015			27.36			11.36
	4/21/2015			26.95			11.77
	7/30/2015			26.97			11.75
	10/14/2015			27.28			11.44
	1/28/2016			27.04			11.68
	4/28/2016			26.43			12.29
	8/4/2016			26.80			11.92

Table G1
 Summary of Groundwater Elevations
 Yale Street Properties
 357 Yale St., Houston, TX 77007

Sample Location	Date	Top of Casing (ft MSL)	Depth to Product (ft-toc)	Depth to Water (ft-toc)	PSH Thickness (ft)	Well Total Depth (ft)	Ground Water Elevation (ft MSL)
MW-10	9/9/2014	45.58		30.82		40.00	14.76
	11/17/2014			30.47		39.24	15.11
	1/8/2015			30.74			14.84
	4/21/2015			30.30			15.28
	7/30/2015			29.48			16.10
	10/14/2015			30.00			15.58
	1/28/2016			29.01			16.57
	4/28/2016			28.64			16.94
	8/4/2016			29.12			16.46
MW-11	9/9/2014	44.69		22.26		45.00	22.43
	11/17/2014			21.57		44.00	23.12
	1/8/2015			20.75			23.94
	4/21/2015			19.22			25.47
	7/30/2015			18.97			25.72
	10/14/2015			20.58			24.11
	1/28/2016			19.52			25.17
	4/28/2016			18.81			25.88
	8/4/2016			19.15			25.54
MW-12	9/9/2014	44.01		21.80		40.00	22.21
	11/17/2014			21.12		39.21	22.89
	1/8/2015			20.59			23.42
	4/21/2015			19.56			24.45
	7/30/2015			18.70			25.31
	10/14/2015			20.25			23.76
	1/28/2016	48.15		24.10			24.05
	4/28/2016			23.51			24.64
	8/4/2016			23.79			24.36
MW-13	9/9/2014	42.34		26.22		45.00	16.12
	11/17/2014			23.75		43.04	18.59
	1/8/2015			25.21			17.13
	4/21/2015			24.41			17.93
	7/30/2015			23.68			18.66
	10/14/2015			24.70			17.64
	1/28/2016	47.07		28.53		48.31	18.54
	4/28/2016			27.83			19.24
	8/4/2016			28.36			18.71

Wells were resurveyed after new completions were installed following excavation

Appendix H

A statement as to whether contamination on and off the designated property without a Municipal Setting Designation will exceed a residential assessment level as defined in the Texas Risk Reduction Program or analogous residential level set by EPA, if known, and the basis for that statement.

On the Designated Property

As described in **Appendix D**, only arsenic was reported at a concentration that exceeded the Tier 1 ^{GW}GW_{Ing} Residential PCL without a Municipal Setting Designation. Seven on-site wells reported arsenic above the ^{GW}GW_{Ing} PCL (**Figure C4, Table E6**). A review of the most recent groundwater sampling data within the proposed MSD boundary confirms these findings.

Off the Designated Property

Two off-site monitoring wells (MW-6 and MW-7) exceed the Tier 1 ^{GW}GW_{Ing} Residential PCL without a Municipal Setting Designation. These wells are located on property owned and controlled by Harris County Flood Control District.