

CITY OF HOUSTON

Public Works and Engineering
Department

Interoffice

Correspondence

To: Sudarshan Gouni, P.E.
Supervising Engineer
Engineering Branch
Engineering and Construction
Division

From: Supervising Engineer
Geo-Environmental Branch
Engineering and Construction Division

Date: March 13, 2015

Subject: **PHASE II ENVIRONMENTAL SITE
ASSESSMENT (ESA) FINAL REPORT REVIEW
FOR GREENS ROAD WIDENING FROM
ALDINE WESTFIELD ROAD TO JOHN F.
KENNEDY BOULEVARD
WBS NO. N-000686-0002-3**

In response to your email request, we have reviewed the Phase II ESA Final Report (Attachment) prepared for the subject project by HVJ Associates, Inc. (HVJ).

HVJ has drilled six (6) environmental borings (EB1 through EB6) in the project area due to three (3) sites of Recognized Environmental Conditions (REC) identified in the Phase I ESA of the project. The environmental borings were drilled to a depth of sixteen (16) feet below the existing grade.

Six (6) soil samples, one (1) sample from each boring, and one (1) groundwater sample from boring EB4 were collected and sent to an analytical testing laboratory (A&B Labs) for detection of Chemicals Of Concern (COCs), such as BTEX (Benzene, Toluene, Ethyl-Benzene and Xylenes), MTBE (Methyl Tertiary Butyl Ether), and TPH (Total Petroleum Hydrocarbons).

Based on the laboratory analytical testing results (Appendix C), MTBE was detected in the soil samples collected from borings EB1 through EB6. No COC were detected in the groundwater sample from boring EB4.

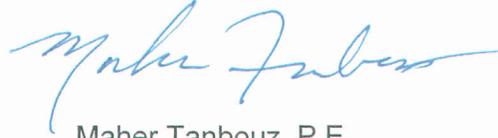
HVJ has compared the laboratory analytical testing results to the Texas Commission on Environmental Quality (TCEQ) Regulatory Guidance – Texas Risk Reduction Program (TRRP), Tier-1 Residential Protective Concentration Levels (PCLs), Exposure Pathways^{GW}Soil_{ing} for a 0.5-Acre Source Area.

Due to detection of MTBE in the soil samples, HVJ has specified the following locations on Greens Road as a Potentially Petroleum Contaminated Area (PPCA):

- Station 15+20 to Station 19+20, and
- Station 91+00 to Station 93+96.

We concur with HVJ's recommendations in Section 5.2, page 5. Further environmental assessment of the project alignment is not warranted. The report is now complete to be utilized in progress of the project.

If you have any questions please call me at 832-395-2260 or Chad Samani, P.E. at 832-395-2259.



Maher Tanbouz, P.E.

MT:MCS:jc

H:\constr\A-ENV-SB\Environmental\ETS_&_ESA_Memos\2015\N-000686-0002-3_(ESA_II_Rpt_for_Greens_Rd_Widening_from_Aldine-Westfield_Rd_to_JFK_Blvd)_Final.doc

Attachment: HVJ's Phase II ESA Final Report No. HE1114418, dated March 6, 2015

ec: Daniel R. Menendez P.E.
Ravi Kaleyatodi, P.E., CPM
John H. Kuo, P.E.
Mike Pezeshki, P.E.

Cedillo, Jamie - PWE

From: Tanbouz, Maher - PWE
Sent: Friday, March 13, 2015 3:50 PM
To: Cedillo, Jamie - PWE
Subject: FW: Greens Road ESA II

fyi

Maher Tanbouz, P.E.
City of Houston: Supervising Engineer
PWE/E & C/Geo-Env Branch
Tel: 832-395-2260

From: Tanbouz, Maher - PWE
Sent: Monday, December 08, 2014 2:14 PM
To: Gouni, Sudarshan - PWE
Subject: RE: Greens Road ESA II

Yes, you need a request to proceed for ESAII

Maher Tanbouz, P.E.
City of Houston: Supervising Engineer
PWE/E & C/Geo-Env Services Branch
Tel: 832-395-2260

From: Gouni, Sudarshan - PWE
Sent: Monday, December 08, 2014 1:59 PM
To: Tanbouz, Maher - PWE
Cc: Kuo, John - PWE
Subject: Greens Road ESA II

Maher,

I really appreciated of engaging your WO Contracts (JVJ Associates) conducted and prepared the preliminary Environmental Site Assessment Report- Phase- I on Greens Road from Aldine Westfield to JFK Blvd since shortfall of budget in AECOM contracts.

We want use your Contracts again to perform ESA II.

Should we request again or? Please let us know.

Thank you once again!

Reddy
832 395 2231
sudarshan.gouni@houstontx.gov



**PHASE II
ENVIRONMENTAL SITE ASSESSMENT
GREENS ROAD FROM ALDINE WESTFIELD TO
JOHN F. KENNEDY BOULEVARD PROJECT
WBS NO. N-000686-0002-3**

**PREPARED FOR:
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS & ENGINEERING
CONSTRUCTION DIVISION/GEO-ENVIRONMENTAL SERVICES
611 WALKER STREET, 14TH FLOOR
HOUSTON, TEXAS 77002**

**PREPARED BY:
HVJ ASSOCIATES, INC.
HOUSTON, TEXAS
MARCH 6, 2015**

**REPORT NO. HE1114418
KEY MAP NOS: 373 R, 374 N & P**



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 Austin | Houston, TX 77072-1010
 Dallas | 281.933.7388 Ph
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 www.hvj.com

March 6, 2015

City of Houston
 Department of Public Works & Engineering
 Construction Division/Geo-Environmental Branch
 611 Walker Street, 14th Floor
 Houston, Texas 77002

Re: Phase II Environmental Site Assessment (ESA) Report
 Greens Road from Aldine Westfield to John F. Kennedy Boulevard Project
 WBS No. N-000686-0002-3
 Owner: City of Houston
 HVJ Project No. HE1114418

Dear Sir:

Presented herein is our Phase II Environmental Site Assessment final report for the above referenced project. The assessment was performed in general accordance with our Proposal No. HE1114418 dated December 9, 2014; current ASTM Standard Practice E-1903 - 97 (2002) "Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process" as modified by the City of Houston (COH) Department of Public Works and Engineering Infrastructure Design Manual "Geotechnical and Environmental Requirements" (July 2012).

This report presents HVJ Associates' understanding of the project's scope, the methodology we employed in executing the work, and the conclusions we reached subject to the limitations discussed in Section 6 of the report. It has been a pleasure to work with you on this project, and we appreciate the opportunity to be of service.

Sincerely,

HVJ ASSOCIATES, INC.
 Texas Firm Registration No. F-000646

Edward Hawkinson, PG, MS, MBA
 Project Manager

MM/EH/NL

Copies submitted: 4 final + pdf on 2 CDs

The following lists the pages which complete this report:	
● Main Text – 10 pages	● Appendix B – 7 pages
● Plates – 4 pages	● Appendix C – 16 pages
● Appendix A – 22 pages	● Appendix D – 4 pages

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EXECUTIVE SUMMARY

HVJ Associates, Inc. has completed a Phase II ESA involving the construction along the approximately 1.6 mile long Greens Road reconstruction project from Aldine Westfield to John F. Kennedy Boulevard. We understand that the project involves the removal of an existing two-lane asphalt roadway and replacement with a four-lane divided concrete boulevard section with curbs. In addition, an underground storm sewer system will be installed with off-site storm water detention facilities and several water lines will be replaced. A site vicinity map is provided as Plate 1.

The objective of the investigation is to determine the nature of possible environmental contamination associated with three sites with recognized environmental conditions (RECs) that are located along the Subject Project Alignment and to determine if soil and/or groundwater contamination from these locations might impact the design and construction of the proposed project. Based on information contained in the Phase I ESA for this project it was determined that impacts (if any) to the Subject Project Alignment could be assessed with six borings. The REC sites are the former NCS 1255 LPST location at 15929 Aldine Westfield Road, the Timewise Exxon at 15931 JFK Boulevard and the Airport Shell at 15930 JFK Boulevard.

This assessment was performed in general accordance with our Proposal No. HE1114418 dated December 9, 2014 and current ASTM Standard Practice E-1903 - 97 (2002) "Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process" as modified by the City of Houston (COH) Department of Public Works and Engineering Infrastructure Design Manual "Geotechnical and Environmental Requirements" (July 2012).

The available information for this Subject Project Alignment and subsurface investigation, conducted during January 16, 2015 are summarized below:

- Six borings were drilled using Geoprobe soil boring equipment at locations with RECs along the Subject Project Alignment. These borings were drilled near the REC sites on the Subject Project Alignment.
- One soil sample from each boring was obtained for laboratory analysis of chemicals of concern (COCs). One groundwater sample was obtained for laboratory analysis of COCs.
- The subsurface soils consist of (in general) clay, sandy clay and minor fine sand.
- No benzene, toluene, ethylbenzene or xylene (BTEX) or total petroleum hydrocarbons (TPH) were found above the reporting limit in soil and groundwater samples collected from borings along the Subject Project Alignment.
- Methyl tert butyl ether (MTBE) was found above the reporting limit in all the soil samples collected. No MTBE was found in the groundwater sample collected from boring EB4 along the Subject Project Alignment.

It is likely that the majority of the soils will be non-hazardous and possible that no soil excavated during construction along the Subject Project Alignment will require special handling. Using the City of Houston criteria, two potentially petroleum contaminated areas (PPCAs) were identified along the Subject Project Alignment. PPCA (West) near Aldine Bender extends from Station 15+20 to Station 19+20 and PPCA (East) near JFK Boulevard extends from Station 91+00 to the end of the project at Station 93+96.

Based on the results of this assessment, we recommend no further soil testing of the REC areas along the Subject Project Alignment. This executive summary does not fully summarize our findings and opinions. Those findings and opinions are related through the full report only.

1. INTRODUCTION

1.1 Project Objective and Rationale

HVJ Associates, Inc. (HVJ Associates) was contracted by the City of Houston to perform a Phase II Environmental Site Assessment (ESA) for a project involving the reconstruction of Greens Road from Aldine Westfield to John F. Kennedy Boulevard. A site vicinity map is provided as Plate 1.

The assessment was done in accordance with City of Houston, Department of Public Works and Engineering Infrastructure Design Manual Chapter 11 "Geotechnical and Environmental Requirements" and the current ASTM Standard Practice E-1903 - 97 (2002) "Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process." The sites to be assessed, approximate depth of construction, boring depth and sample analysis are listed in Table 1 below.

Location of Concern and Boring Numbers	Approx. Maximum Depth of Construction (ft.)	Proposed Depth of Boring (ft.)	Recommended Analysis
Former NCS 1255 15929 Aldine Westfield	8	16	BTEX + MTBE, TPH
Timewise Exxon 15931 JFK Boulevard	8	16	BTEX + MTBE, TPH
Airport Shell 15930 JFK Boulevard	8	16	BTEX + MTBE, TPH

The objective of the assessment was to determine the nature of possible environmental contamination associated with the former LPST sites near the Subject Project Alignment. Groundwater was encountered in sufficient quantity for sampling at one boring location.

1.2 Project Scope

The following tasks were performed:

1. Prepared a site-specific health and safety plan per 29 CFR 1910.120 (a copy of this document is not attached but is available upon request).
2. Obtained City of Houston facility permits for all boring locations. Copies of these permits and related documents are provided in Appendix A.
3. Installed six borings to approximately eight feet below the proposed depth of construction or to the top of the water table. We encountered no auger refusal at any of the boring locations. All borings were installed using Geoprobe equipment.
4. Performed soil sample field screening with an organic vapor meter (OVM) and obtained selected samples for subsequent laboratory analyses.
5. Collected groundwater sample at the one location of concern for analysis (sampling was limited to borings with sufficient groundwater for sampling). Temporary groundwater monitoring wells were not installed at all boring locations as a cost saving measure in accordance with COH Design Manual Chapter 11.

6. Prepared boring logs (copies of these logs are provided in Appendix B).
7. Submitted selected samples to A&B Laboratory for the appropriate analysis depending on the location. Laboratory results, QA/QC documentation and chain-of-custody forms are provided in Appendix C.
8. Coordinated drill cuttings and related drummed non-hazardous waste disposal. Waste materials were transported to a state approved landfill under manifest for disposal. Waste disposal documentation is provided in Appendix D.
9. Prepared this report summarizing our findings with conclusions and recommendations.

1.3 Basis of Report

Although this assessment has been a reasonably thorough attempt to identify soil and groundwater contamination at the REC locations, there is a possibility that contamination may have escaped detection due to the limitations of this assessment, or the presence of undetected and unreported environmental releases. HVJ Associates reserves the right to alter our conclusions and recommendations based on our review of any information obtained after the date of this report.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar conditions, by environmental consultants practicing in this or similar localities. No warranty, express or implied, is made as to the professional information included in this report.

1.4 Qualifications of Personnel

The primary investigator for this Phase II ESA is Mr. Edward Hawkinson, PG. Mr. Hawkinson holds BS and MS degrees in geology from The Ohio State University and the University of Cincinnati respectively. Mr. Hawkinson is a registered Professional Geologist in Arkansas, Tennessee and Texas. His career encompasses a period exceeding 30 years involving environmental investigations, hydrogeology, water resource evaluations and energy exploration.

2. BACKGROUND INFORMATION

2.1 Results of Previous Environmental Studies

A HVJ Associates Phase I ESA "Phase I Environmental Site Assessment (ESA) Report for Greens Road from Aldine Westfield to John F. Kennedy Boulevard Project" (WBS No. N-000686-0002-3) dated November 21, 2014 contained the following information:

1. A review of historical aerial photographs, topographic maps and other data showed that the Subject Project Alignment has been developed with Greens Road.
2. According to the ASTM Standard E 1527-13; regulatory data indicated 86 locatable mapped environmental database entries were found near the Subject Project Alignment.
3. After a site reconnaissance and our review of historical data, maps and the Texas Commission on Environmental Quality (TCEQ) online records, we found three sites on or adjoining the Subject Project Alignment with recognized environmental conditions (RECs) that could pose a concern to project construction along the Subject Project Alignment. These locations are the former NCS 1255 LPST location at 15929 Aldine Westfield, the Timewise Exxon at 15931 JFK Boulevard and the Airport Shell at 15930 JFK Boulevard.

4. We recommended additional environmental assessment in the form of a Phase II Environmental Site Assessment should project construction extend deeper than five feet below site grade.

2.2 Planned Construction Description

The project involves the reconstruction of Greens Road from Aldine Westfield to John F. Kennedy Boulevard to include the removal of an existing two-lane asphalt roadway and replacement with a four-lane divided concrete boulevard section with curbs. In addition, an underground storm sewer system will be installed with off-site storm water detention facilities and several water lines will be replaced.

3. INVESTIGATIVE METHODOLOGY

3.1 Soil Boring Sampling Activities

HVJ Associates performed this Phase II ESA in general accordance with the guidance contained in the American Society for Testing and Materials Designation E 1903-97 (2002), Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessments (ASTM E 1903) as modified by the City of Houston Department of Public Works and Engineering Infrastructure Design Manual "Geotechnical and Environmental Requirements" (July 2012). Prior to conducting our on-site investigation, City of Houston maps were reviewed to determine the location of water and sewer utilities in the project area. Texas One-Call was contacted to mark other near surface utilities in the Subject Project Alignment area.

Based on HVJ Associates' understanding of the proposed construction plans, borings were installed to total depths of 16 feet bgs. The proposed boring/well depths were based on information provided by the client. Borings were spaced at regular intervals near the REC locations along the proposed construction alignment. Borings location maps are attached (see Plates 2A through 2B). The borings were advanced on January 16, 2015 using direct push (Geoprobe) techniques and were continuously sampled from the surface to the boring total depth bgs. Soil samples were screened for evidence of impacts in the field using an organic vapor meter (OVM). One soil sample was collected from each boring and submitted for laboratory analysis. OVM readings, along with visual evidence of impact and a physical description of the soils, were recorded on a boring log. The soil samples were obtained for laboratory analysis from the zone of the highest OVM readings. If there were no OVM readings (above background), a soil sample was obtained from the top of the water table. If no groundwater was encountered, the soil samples were obtained from the approximate depth of construction listed in Table 1, Section 1.1. Groundwater was encountered and sampled at one location.

Prior to mobilization, a site-specific health and safety plan was prepared in accordance with 29 CFR 1910.120. Prior to drilling and sample screening, all sampling equipment was thoroughly cleaned to prevent cross contamination. All environmental soil borings and temporary groundwater monitoring well were installed by driller Mathers, Inc. using Geoprobe sampling equipment. At each location, the unit collected four-foot long soil cores from the ground surface to the top of the water bearing zone or to predetermined boring depths based on depth of construction information provided by the City of Houston. The soil borings were placed in the best practicable locations, considering the location of utilities and other site-specific conditions. Soil samples obtained were continuously examined for impact using visual and olfactory methods. Samples were also screened for organic vapors with a properly calibrated Organic Vapor Meter (OVM). Descriptions of the materials encountered are presented on the boring logs (Appendix B).

The on-site screening was conducted by cutting a sub-sample from each one-foot interval of core with a decontaminated knife. The soil samples were placed in airtight containers (sealable plastic bags) and held for approximately twenty minutes to allow the volatilization of organic vapors. At the end of this period, the headspace air inside the container was screened with the OVM. This was

accomplished by inserting the OVM probe tip into a narrow opening in the plastic bag seal. The headspace reading and corresponding depth was recorded on the boring log. Following OVM screening, one soil sample from each borehole was selected for laboratory analyses (OVM readings are presented on the boring logs). Samples were selected for analysis based on criteria contained in the project proposal. The samples selected were placed into pre-labeled laboratory-supplied glass jars, placed on water ice in an insulated cooler and shipped under chain-of-custody to A&B Laboratory for analysis.

One groundwater sample was collected from a one inch diameter temporary groundwater monitoring well installed in boring EB4 using a clean disposable bailer. Subsequent to the drilling and sampling activities, each borehole was plugged from total depth to the surface using bentonite plugging material in accordance with standard drilling practice.

3.2 Laboratory Analysis Performed

A&B Laboratory performed the following analyses on selected soil and groundwater samples from the environmental borings installed along the Subject Project Alignment as follows:

- TPH using TCEQ TX Method 1005;
- Benzene, toluene, ethylbenzene and xylene (BTEX) by EPA Method SW-846 8021B; and
- Methyl tert butyl ether (MTBE) by EPA Method SW-846 8021B.

Copies of laboratory reports by A&B Laboratory as well as the standard chain-of-custody documentation are included in Appendix C.

3.3 Waste Management

Investigation derived wastes (primarily soil cuttings) were generated in a small amounts during this investigation. Approximately five kilograms of soil cuttings were generated per boring. These materials were containerized and transported to HVJ Associates property for temporary storage until the results of the laboratory analyses were received in order to determine disposal requirements. Waste materials were transported for landfill disposal under Republic Services Non-Hazardous Waste Manifest by an agent of USA Environment. Copies of the Republic Services Special Waste Profile and manifest documents are provided in Appendix D.

4. ASSESSMENT RESULTS

4.1 Site Specific Soil Conditions

The subsurface soils consist of (in general) brown to gray clay, sandy clay and minor fine sand. Specific soil descriptions and field observations for the soil borings are included on the boring logs contained in Appendix B. Soil classifications presented on the boring logs are based on visual field classification and have not been verified by geotechnical laboratory tests. Actual soil conditions may differ from those presented on the boring logs.

4.2 Analytical Findings – Soil and Groundwater

No BTEX or TPH constituents were found at or above the reporting limit for soil and groundwater. MTBE was found in all soil samples as follows (in mg/Kg): EB1 – 0.135, EB2 – 0.094, EB3 – 0.122, EB4 – 0.145, EB5 – 0.263 and EB6 – 0.166. These levels are all below TRRP Table 1 Tier 1 Residential Soil Protective Concentration Limits (PCLs) for a 30-Acre Source Area (^{Gw}Soil_{ing} exposure pathway for surface soil) of 0.31 mg/Kg. MTBE was not found in the groundwater sample collected from a temporary monitoring well installed in boring EB4. Using the City of Houston criteria, two potentially petroleum contaminated areas (PPCAs) were identified along the Subject Project Alignment. The City of Houston Guide Specifications 02105 (03-18-2005) Chemical Sampling and Analysis and 02120 (03-18-2005) Transportation and Disposal for construction defines a potentially petroleum contaminated area (PPCA) as “an area within station-

to-station locations identified on drawings where petroleum contamination has been detected in soil or groundwater.”

5. SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

5.1 Summary and Conclusions

The subsurface soils consist of (in general) brown to gray clay, sandy clay and minor fine sand. We conclude that no BTEX or TPH constituents are present in soil samples collected from borings EB1 through EB6 (inclusive). We conclude that no BTEX, MTBE or TPH constituents are present in groundwater sample collected from the boring EB4. We conclude that MTBE was found in all of the soil samples (EB1 through EB6 inclusive). We anticipate that groundwater will be present at some locations along the Subject Project Alignment in the vicinity of 12 feet below ground surface (bgs), however, it should be noted that the groundwater table may fluctuate due to seasonal variations in rainfall and local stratigraphic and/or underground (manmade) features and groundwater may not be present at these locations at other times in the year or at nearby locations. We conclude that two PPCAs are present along the Subject Project Alignment. PPCA (West) near Aldine Bender Road extends from Station 15+20 to Station 19+20 and PPCA (East) near JFK Boulevard extends from Station 91+00 to the end of the project at Station 93+96 (see Plates 2A and 2B).

5.2 Recommendations

Based on a comparison of analytical results detailed in this report and other information, we recommend no further environmental studies adjacent to or near the RECs along the Subject Project Alignment. We recommend no enhanced worker protection for this project area. We recommend contaminated design/protocols for project construction.

6. LIMITATIONS

This report is an instrument of service of HVJ Associates, Inc. The report was prepared for and is intended for the exclusive use of the COH. The report's contents may not be relied upon by any other party without the express written permission of HVJ Associates. With the written permission of the COH, HVJ Associates will meet with a third party to help identify the additional services required, if any, to permit such third party to rely on the information contained in this report, but only to the same extent of the COH reliance, and subject to the same contractual, technological, and other limitations to which the COH has agreed.

The report's findings are based on conditions that existed on the date of HVJ Associates site visit and field investigations and should not be relied upon to precisely represent conditions at any other time. The scope of service executed for this project is not equivalent to the scope of service needed to provide the information to completely establish the quantities and distribution of the petroleum hydrocarbon and/or other compounds affected soils present at the Subject Project Alignment. HVJ Associates has based the conclusions included in this report on its observation of existing site conditions, its interpretation of site history, its interpretation of the site usage information it was able to access, and the results of a limited program of subsurface exploration, sample screening and chemical analysis. Be aware that conditions may change at any sampled or unsampled location as a function of time, in response to natural conditions, chemical reactions, and/or other events.

Conclusions about Subject Project Alignment conditions under no circumstances comprise a warranty that conditions in all areas within the Subject Project Alignment area (and below existing grade) are of the same quality as the Subject Project Alignment area sampled.

The scope of service HVJ Associates implemented was based, in part, on the rules and regulations for contaminated sites as promulgated by the TCEQ and the COH. Any additional information

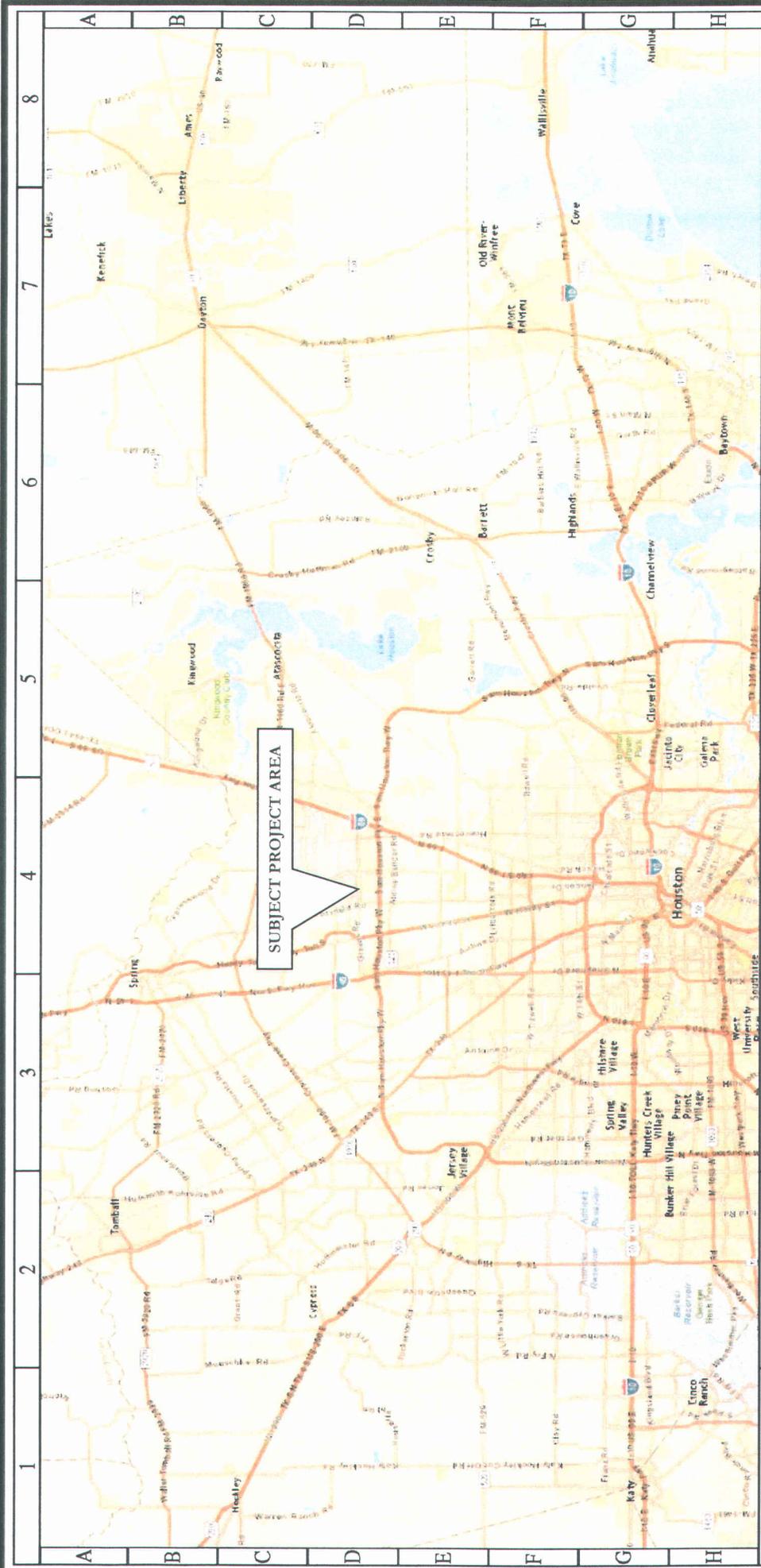
about this site that becomes available should be provided to HVJ Associates for its review, so HVJ Associates can modify its recommendations as necessary.

7. REFERENCES

The following references were used to compile this report:

1. Bureau of Economic Geology, 1982. Geologic Atlas of Texas, Houston Sheet, University of Texas at Austin.
2. USDA Soil Conservation Service (Natural Resources Conservation Service), 1976. Soil Survey of Harris County, Texas.
3. ASTM Standard Practice E-1903 - 97 (2002) "Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process."
4. City of Houston, Department of Public Works and Engineering Infrastructure Design Manual Chapter 11 "Geotechnical and Environmental Requirements."
5. ASTM Standard Practice E-1903 - 97 (2002) "Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process." "
6. City of Houston Guide Specifications 02105 and 02120.
7. TCEQ TRRP Residential Soil and Groundwater Protective Concentration Limits (PCLs) Tables (June 29, 2012).
8. Phase I Environmental Site Assessment (ESA) - Greens Road from Aldine Westfield to John F. Kennedy Boulevard Project (WBS No. N-000686-0002-3) dated November 21, 2015.

PLATES



CITY OF HOUSTON

**Department of Public Works and Engineering
Geographic Information & Management System (GIMS)**

DISCLAIMER: THIS MAP REPRESENTS THE BEST INFORMATION AVAILABLE TO THE CITY.
THE CITY DOES NOT WARRANT ITS ACCURACY OR COMPLETENESS.
FIELD VERIFICATIONS SHOULD BE DONE AS NECESSARY.



1 inch = 9909 feet



6120 S. Dairy Ashford Road
Houston, Texas 77072-1010
281.933.7388 Ph
281.933.7293 Fax



DATE: 2/6/2014

APPROVED BY:
EH

PREPARED BY:
NL

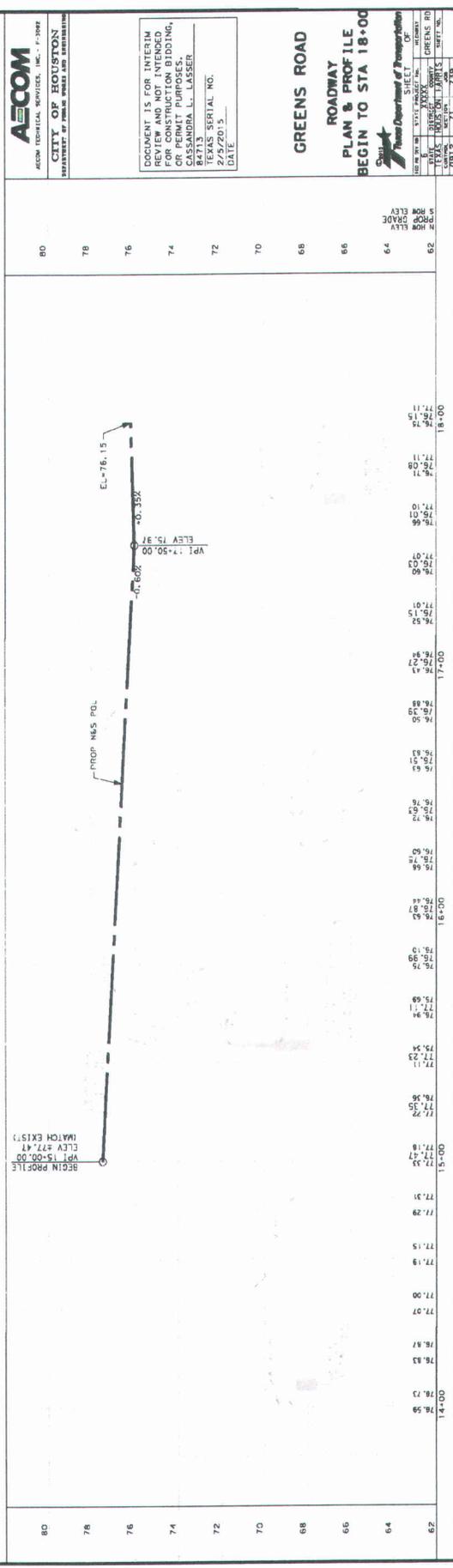
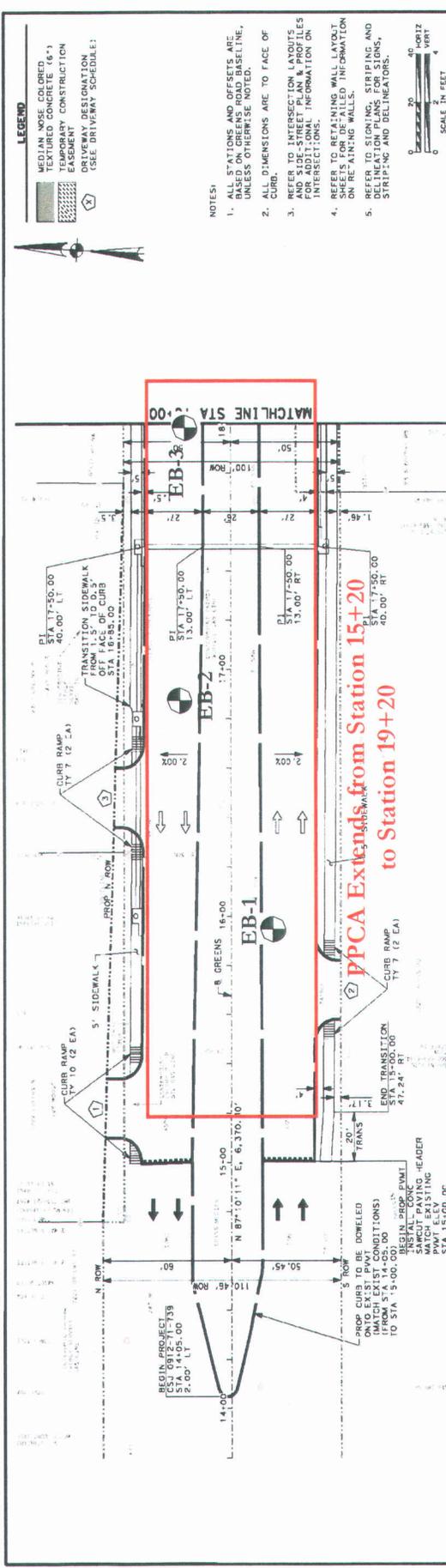
SITE VICINITY
Phase II ESA Project
Greens Road from Aldine Westfield to John F. Kennedy Blvd.
WBS No. N-000686-0002-3

PROJECT NO.:

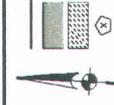
HE114418

DRAWING NO.:

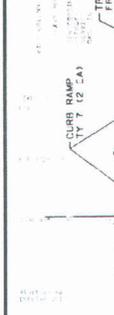
PLATE 1



- LEGEND**
- MAIN BASE COURSE
 - TEXTURED CONCRETE (6")
 - TEMPORARY CONSTRUCTION EASEMENT
 - DRIVEWAY DESIGNATION (SEE DRIVEWAY SCHEDULE)



- NOTES**
- ALL STATIONS AND OFFSETS ARE BASED ON GREENS ROAD BASELINE, UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS ARE TO FACE OF CURB.
 - REFER TO INTERSECTION LAYOUTS FOR ADDITIONAL INFORMATION ON INTERSECTIONS.
 - REFER TO RETAINING WALL LAYOUT SHEETS FOR DETAILED INFORMATION ON THE RETAINING WALLS.
 - DEFINITION PLANS FOR SIGNS, STRIPING AND DELINEATORS.



ACCOM
ACCOM TECHNICAL SERVICES, INC. - P-3887
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND UTILITIES

DESIGNED BY: CASSANDRA L. LASSER
CHECKED BY: T. J. LASSER
DATE: 2/5/2015

GREENS ROAD ROADWAY PLAN & PROFILE BEGIN TO STA 18+00

PROJECT NO.: HE1114418
DRAWING NO.: PLATE 2A

DATE: 2/9/2015
APPROVED BY: EH
PREPARED BY: NL

PLAN OF BORINGS and PPCA
Phase II ESA Project
Greens Road from Aldine Westfield to John F. Kennedy Blvd.
WBS No. N-000686-0002-3

6120 S. Dairy Ashford Road
Houston, Texas 77072-1010
281.933.7388 Ph
281.933.7293 Fax

HVJ ASSOCIATES

LEGEND: APPROXIMATE BORING LOCATIONS



6120 S. Dairy Ashford Road
Houston, Texas 77072-1010
281.933.7388 Ph
281.933.7293 Fax

DATE: 2/9/2015

APPROVED BY:
EH

PREPARED BY:
NL

PLAN OF BORINGS
Phase II ESA Project
Greens Road from Aldine Westfield to John F. Kennedy Blvd.
WBS No. N-000686-0002-3

PROJECT NO.: HE1114418

DRAWING NO.: PLATE 2B

LEGEND:

APPROXIMATE BORING LOCATIONS

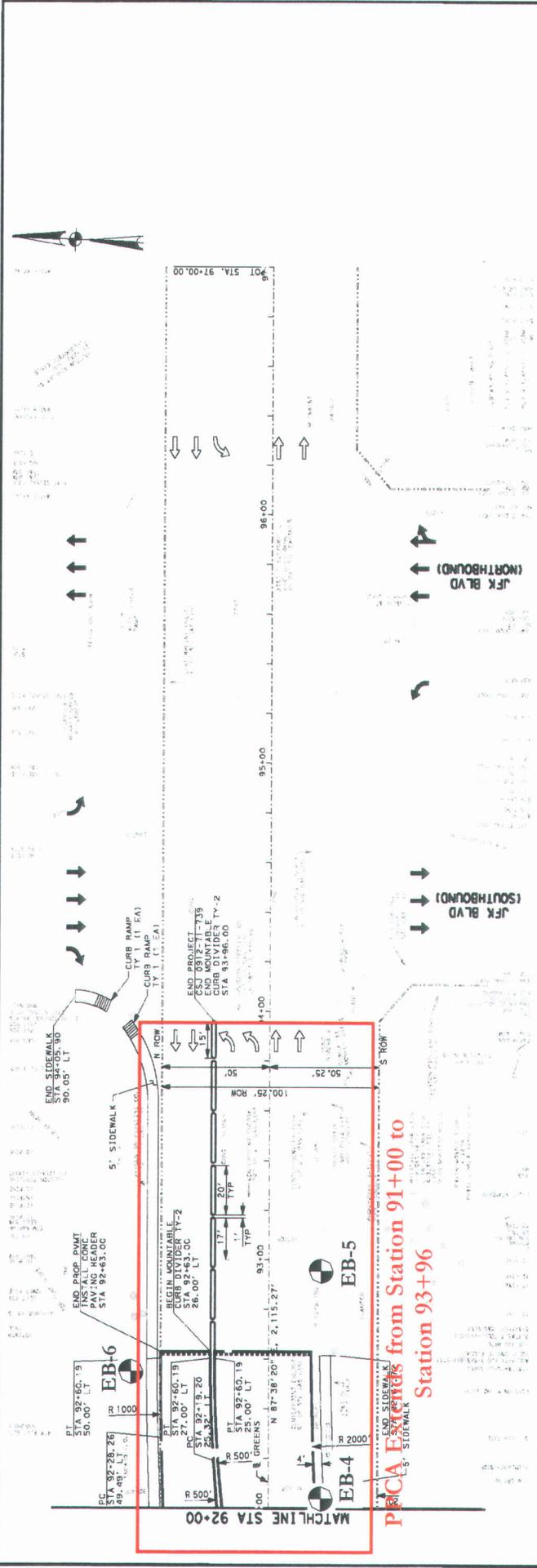
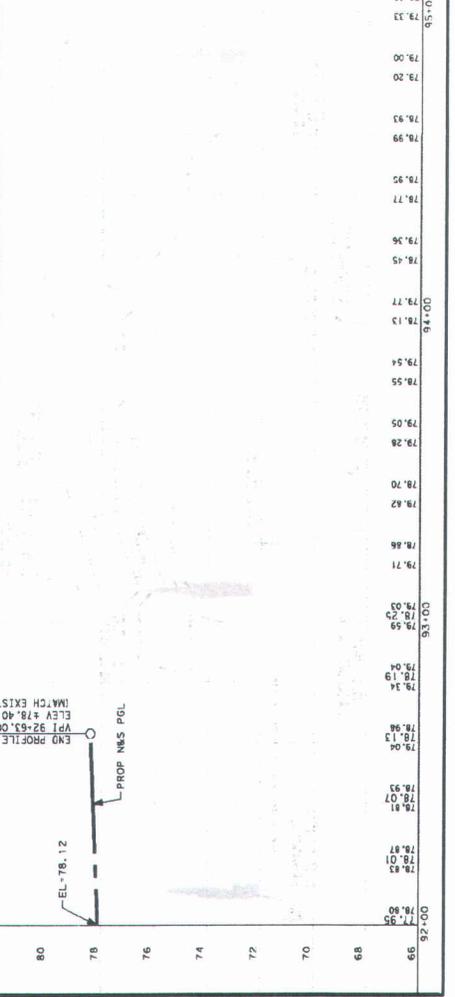
NO	DATE	STATE PROJECT NO.	CITY	DISTRICT	SHEET NO.	TOTAL SHEETS
66	2/9/2015	100121	HOUSTON	100121	1	1
68						
70						
72						
74						
76						
78						
80						

AECOM
AECOM TECHNICAL SERVICES, INC. P-3082
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ADMINISTRATION

DOCUMENT IS FOR INTERIM REVIEW AND NOT INTENDED FOR CONSTRUCTION BIDDING, CONTRACT ADMINISTRATION, OR ASSESSMENT OF RISK.
CASSANDRA L. LASSER
847.3
TEXAS SERIAL NO. 2/9/2015
DATE

**GREENS ROAD
ROADWAY
PLAN & PROFILE
STA 92+00 TO END**

Texas Department of Transportation



APPENDIX A
CITY OF HOUSTON FACILITY PERMITS

FACILITY PERMIT
ARTICLE XII, CHAPTER 40,
CITY OF HOUSTON CODE OF ORDINANCE

PERMIT NO: CIP-15-01-01

Pursuant to the terms and provisions of Article XII, Chapter 40, City of Houston Code of Ordinances, having been approved and adopted by the City of Houston, Texas; the application made for this permit having been approved; said Facility Permit is hereby issued to:

HVJ, Permittee,
For the placement or maintenance of:

Environmental test bore

At the following location:

On Greens Rd about 300 FT east of Aldine Westfield Rd from the Intersection of Greens Rd & Aldine Westfield Rd (EB-1) (A Minimum of 10 feet between the facility and any existing sanitary sewer lines and a minimum of 5 feet between the facility and any existing water and storm lines and traffic signal conduits shall be maintained) on the condition that, by acceptance of this permit, Permittee expressly covenants and agrees to comply with each and every term, provision and condition contained in Article XII, Chapter 40, City of Houston Code of Ordinances.

Maher Tanbouz

Maher Tanbouz, P.E., Supervising Engineer
Department of Public Works and Engineering

1. The Permittee shall contact a Utility Coordinating Committee at (713) 223-4567 or (800) 245-4545 minimum of (48) hours prior to construction to have utilities field located.
2. The Permittee shall contact the Traffic Management Branch at (832) 395-3020 for lane closure permits.
3. The Permittee shall be fully responsible for any damages to existing water, wastewater, storm sewer lines and traffic signal conduits. All damages shall be repaired in accordance with City of Houston, Dept. of Public Works and Engineering "Standard Construction Specifications" with latest addenda and amendments thereto, at no cost to the City of Houston.
4. The Permittee shall notify the Inspector at glenn.boggan@houstontx.gov a minimum of (48) hour prior to drilling or plugging to arrange for an inspection.

FACILITY PERMIT
ARTICLE XII, CHAPTER 40,
CITY OF HOUSTON CODE OF ORDINANCE

PERMIT NO: CIP-15-01-02

Pursuant to the terms and provisions of Article XII, Chapter 40, City of Houston Code of Ordinances, having been approved and adopted by the City of Houston, Texas; the application made for this permit having been approved; said Facility Permit is hereby issued to:

HVJ, Permittee,
For the placement or maintenance of:

Environmental test bore

At the following location:

On Greens Rd about 300 FT east of Aldine Westfield Rd from the Intersection of Greens Rd & Aldine Westfield Rd (EB-2) (A Minimum of 10 feet between the facility and any existing sanitary sewer lines and a minimum of 5 feet between the facility and any existing water and storm lines and traffic signal conduits shall be maintained) on the condition that, by acceptance of this permit, Permittee expressly covenants and agrees to comply with each and every term, provision and condition contained in Article XII, Chapter 40, City of Houston Code of Ordinances.

Maheer Tanbouz

Maheer Tanbouz, P.E., Supervising Engineer
Department of Public Works and Engineering

1. The Permittee shall contact a Utility Coordinating Committee at (713) 223-4567 or (800) 245-4545 minimum of (48) hours prior to construction to have utilities field located.
2. The Permittee shall contact the Traffic Management Branch at (832) 395-3020 for lane closure permits.
3. The Permittee shall be fully responsible for any damages to existing water, wastewater, storm sewer lines and traffic signal conduits. All damages shall be repaired in accordance with City of Houston, Dept. of Public Works and Engineering "Standard Construction Specifications" with latest addenda and amendments thereto, at no cost to the City of Houston.
4. The Permittee shall notify the Inspector at glenn.boggan@houstontx.gov a minimum of (48) hour prior to drilling or plugging to arrange for an inspection.

FACILITY PERMIT
ARTICLE XII, CHAPTER 40,
CITY OF HOUSTON CODE OF ORDINANCE

PERMIT NO: CIP-15-01-03

Pursuant to the terms and provisions of Article XII, Chapter 40, City of Houston Code of Ordinances, having been approved and adopted by the City of Houston, Texas; the application made for this permit having been approved; said Facility Permit is hereby issued to:

HVJ, Permittee,
For the placement or maintenance of:

Environmental test bore

At the following location:

On Greens Rd about 300 FT east of Aldine Westfield Rd from the Intersection of Greens Rd & Aldine Westfield Rd (EB-3) (A Minimum of 10 feet between the facility and any existing sanitary sewer lines and a minimum of 5 feet between the facility and any existing water and storm lines and traffic signal conduits shall be maintained) on the condition that, by acceptance of this permit, Permittee expressly covenants and agrees to comply with each and every term, provision and condition contained in Article XII, Chapter 40, City of Houston Code of Ordinances.

Maher Tanbouz

Maher Tanbouz, P.E., Supervising Engineer
Department of Public Works and Engineering

1. The Permittee shall contact a Utility Coordinating Committee at (713) 223-4567 or (800) 245-4545 minimum of (48) hours prior to construction to have utilities field located.
2. The Permittee shall contact the Traffic Management Branch at (832) 395-3020 for lane closure permits.
3. The Permittee shall be fully responsible for any damages to existing water, wastewater, storm sewer lines and traffic signal conduits. All damages shall be repaired in accordance with City of Houston, Dept. of Public Works and Engineering "Standard Construction Specifications" with latest addenda and amendments thereto, at no cost to the City of Houston.
4. The Permittee shall notify the Inspector at glenn.boggan@houstontx.gov a minimum of (48) hour prior to drilling or plugging to arrange for an inspection.

FACILITY PERMIT
ARTICLE XII, CHAPTER 40,
CITY OF HOUSTON CODE OF ORDINANCE

PERMIT NO: CIP-15-01-04

Pursuant to the terms and provisions of Article XII, Chapter 40, City of Houston Code of Ordinances, having been approved and adopted by the City of Houston, Texas; the application made for this permit having been approved; said Facility Permit is hereby issued to:

HVJ, Permittee,
For the placement or maintenance of:

Environmental test bore

At the following location:

Near Intersection of Greens Rd & JFK Blvd (EB-4) (A Minimum of 10 feet between the facility and any existing sanitary sewer lines and a minimum of 5 feet between the facility and any existing water and storm lines and traffic signal conduits shall be maintained) on the condition that, by acceptance of this permit, Permittee expressly covenants and agrees to comply with each and every term, provision and condition contained in Article XII, Chapter 40, City of Houston Code of Ordinances.

Maher Tanbouz

Maher Tanbouz, P.E., Supervising Engineer
Department of Public Works and Engineering

1. The Permittee shall contact a Utility Coordinating Committee at (713) 223-4567 or (800) 245-4545 minimum of (48) hours prior to construction to have utilities field located.
2. The Permittee shall contact the Traffic Management Branch at (832) 395-3020 for lane closure permits.
3. The Permittee shall be fully responsible for any damages to existing water, wastewater, storm sewer lines and traffic signal conduits. All damages shall be repaired in accordance with City of Houston, Dept. of Public Works and Engineering "Standard Construction Specifications" with latest addenda and amendments thereto, at no cost to the City of Houston.
4. The Permittee shall notify the Inspector at glenn.boggan@houstontx.gov a minimum of (48) hour prior to drilling or plugging to arrange for an inspection.

FACILITY PERMIT
ARTICLE XII, CHAPTER 40,
CITY OF HOUSTON CODE OF ORDINANCE

PERMIT NO: CIP-15-01-05

Pursuant to the terms and provisions of Article XII, Chapter 40, City of Houston Code of Ordinances, having been approved and adopted by the City of Houston, Texas; the application made for this permit having been approved; said Facility Permit is hereby issued to:

HVJ, Permittee,
For the placement or maintenance of:

Environmental test bore

At the following location:

Near Intersection of Greens Rd & JFK Blvd (EB-5) (A Minimum of 10 feet between the facility and any existing sanitary sewer lines and a minimum of 5 feet between the facility and any existing water and storm lines and traffic signal conduits shall be maintained) on the condition that, by acceptance of this permit, Permittee expressly covenants and agrees to comply with each and every term, provision and condition contained in Article XII, Chapter 40, City of Houston Code of Ordinances.

Maher Tanbouz

Maher Tanbouz, P.E., Supervising Engineer
Department of Public Works and Engineering

1. The Permittee shall contact a Utility Coordinating Committee at (713) 223-4567 or (800) 245-4545 minimum of (48) hours prior to construction to have utilities field located.
2. The Permittee shall contact the Traffic Management Branch at (832) 395-3020 for lane closure permits.
3. The Permittee shall be fully responsible for any damages to existing water, wastewater, storm sewer lines and traffic signal conduits. All damages shall be repaired in accordance with City of Houston, Dept. of Public Works and Engineering "Standard Construction Specifications" with latest addenda and amendments thereto, at no cost to the City of Houston.
4. The Permittee shall notify the Inspector at glenn.boggan@houstontx.gov a minimum of (48) hour prior to drilling or plugging to arrange for an inspection.

FACILITY PERMIT
ARTICLE XII, CHAPTER 40,
CITY OF HOUSTON CODE OF ORDINANCE

PERMIT NO: CIP-15-01-06

Pursuant to the terms and provisions of Article XII, Chapter 40, City of Houston Code of Ordinances, having been approved and adopted by the City of Houston, Texas; the application made for this permit having been approved; said Facility Permit is hereby issued to:

HVJ, Permittee,
For the placement or maintenance of:

Environmental test bore

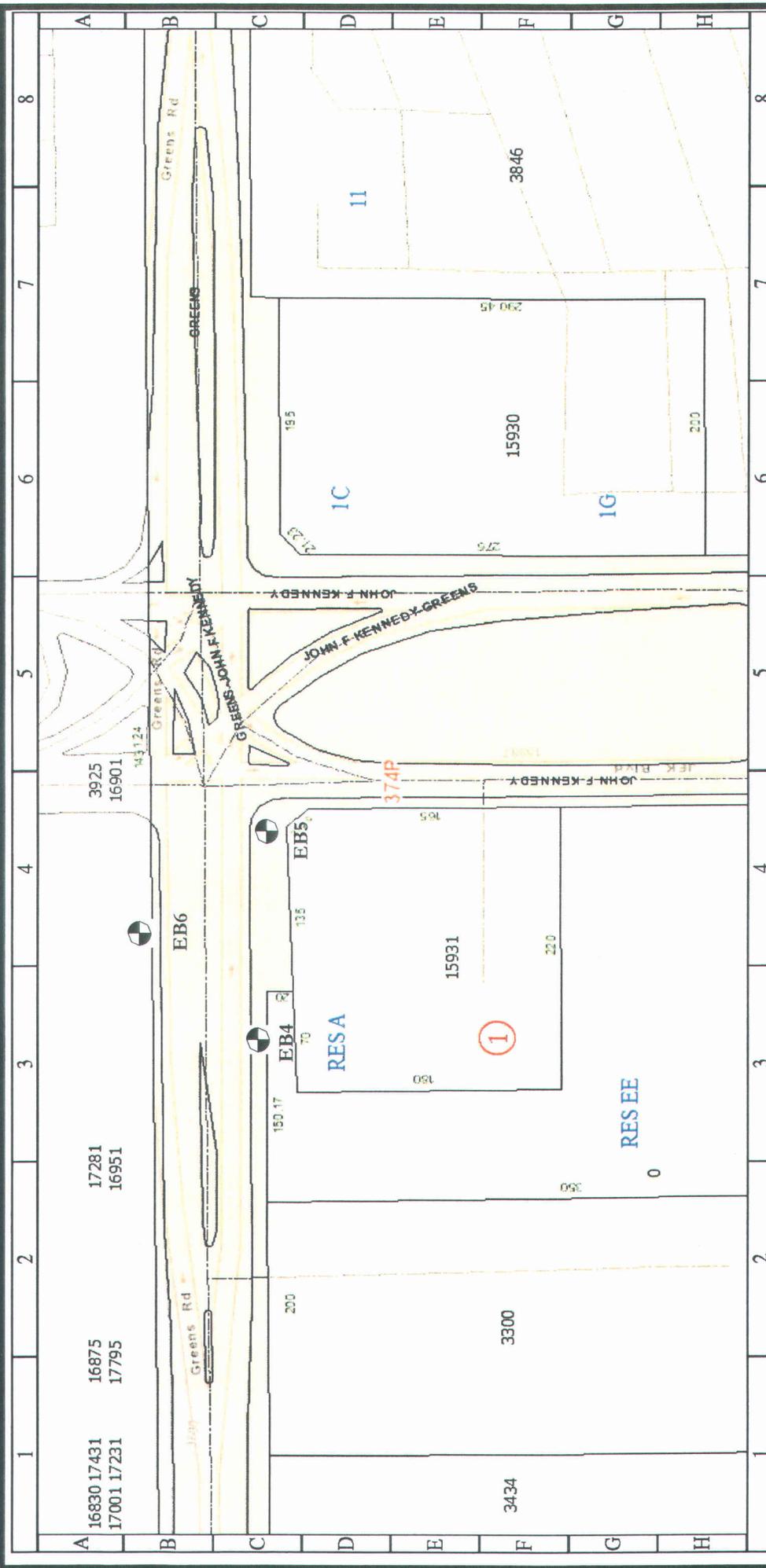
At the following location:

Near Intersection of Greens Rd & JFK Blvd (EB-6) (A Minimum of 10 feet between the facility and any existing sanitary sewer lines and a minimum of 5 feet between the facility and any existing water and storm lines and traffic signal conduits shall be maintained) on the condition that, by acceptance of this permit, Permittee expressly covenants and agrees to comply with each and every term, provision and condition contained in Article XII, Chapter 40, City of Houston Code of Ordinances.

Maher Tanbouz

Maher Tanbouz, P.E., Supervising Engineer
Department of Public Works and Engineering

1. The Permittee shall contact a Utility Coordinating Committee at (713) 223-4567 or (800) 245-4545 minimum of (48) hours prior to construction to have utilities field located.
2. The Permittee shall contact the Traffic Management Branch at (832) 395-3020 for lane closure permits.
3. The Permittee shall be fully responsible for any damages to existing water, wastewater, storm sewer lines and traffic signal conduits. All damages shall be repaired in accordance with City of Houston, Dept. of Public Works and Engineering "Standard Construction Specifications" with latest addenda and amendments thereto, at no cost to the City of Houston.
4. The Permittee shall notify the Inspector at glenn.boggan@houstontx.gov a minimum of (48) hour prior to drilling or plugging to arrange for an inspection.



CITY OF HOUSTON
 Department of Public Works and Engineering
 Geographic Information & Management System (GIMS)

DISCLAIMER: THIS MAP REPRESENTS THE BEST INFORMATION AVAILABLE TO THE CITY.
 THE CITY DOES NOT WARRANT ITS ACCURACY OR COMPLETENESS.
 FIELD VERIFICATIONS SHOULD BE DONE AS NECESSARY.



	6120 S. Dairy Ashford Road Houston, Texas 77072-1010 281.933.7388 Ph 281.933.7293 Fax	DATE: 12/9/2014 APPROVED BY: EH	PREPARED BY: NL
	PROPOSED PLAN OF BORINGS Phase II ESA Project Greens Road from Aldrine Westfield to John F. Kennedy Blvd. WBS No. N-000686-0002-3	PROJECT NO.: HE1114418	DRAWING NO.: PLATE 2

LEGEND:

APPROXIMATE BORING LOCATIONS



Houston 6120 S. Dairy Ashford Rd.
Houston, TX 77072-1010
Austin 281.933.7388 Ph
Dallas 281.933.7293 Fax
San Antonio www.hvj.com

January 5, 2015

Mr. Tuan Nguyen
City of Houston Department of Public Works & Engineering
611 Walker, 14th Floor
Houston, Texas 77002

Re: Phase II Environmental Site Assessment (ESA)
Greens Road from Aldine Westfield to JFK Blvd Project
WBS No. N-000686-0002-3
Owner: City of Houston
HVJ Proposal No. HE1114418

Dear Mr. Nguyen:

Please find attached an "Application for Monitoring Well/Boring Permit" for environmental borings we propose to install within the City of Houston (COH) right of way in 6 various locations in Houston areas. The proposed boring locations are annotated on the attached GIMS maps.

We understand that because this is a COH project there will be no permit costs for the permit we are requesting. If you have any questions or require additional information, please contact Edward Hawkinson at 281.804.5766 or Niem Ly at 281.983.8825.

Sincerely,

HVJ ASSOCIATES, INC.

Texas Firm Registration No. F-000646

A handwritten signature in black ink, appearing to read 'Edward Hawkinson', is written over a horizontal line.

Edward Hawkinson, PG
Project Manager

Attachments

NL:eh



CITY OF HOUSTON, TEXAS
Public Works & Engineering Department



**Application for
Monitoring Well/Boring Permit**

ARTICLE XII, CHAPTER 40, CITY OF HOUSTON CODE OF ORDINANCES
ALL PERMITS SHALL BE EFFECTIVE ONE (1) YEAR FROM DATE OF ISSUANCE

I: APPLICANT INFORMATION

Today's Date : January 5, 2015

Permit Status: Are you obtaining this permit for a City project? Yes No

If yes, what is the CIP/GFS number of this project? WBS N-000686-0002-3

Who is the City's Project Manager for this project? Maher Tanbouz at 832-395-2260

Is this a renewal application? Yes No

Applicant: Name of Owner/Operator: HVJ Associates, Inc.

Telephone Number: 281.983.8825 Fax: 281.933.7293

Street Address: 6120 S. Dairy Ashford Road

Houston, Texas 77072-1010

E-mail Address (If applicable): ehawkinson@hvj.com

If the applicant is a corporation, partnership, or association, then the applicant shall provide evidence of its existence, of its authority to maintain the facility, and of the authority of the person signing the application to act on behalf of the entity.

Person authorized to file application: Name: Edward F. Hawkinson Title: Project Manager

Phone Number: 281.804.5766

E-mail Address (If applicable): ehawkinson@hvj.com

Type of Business Entity: Corporation
(i.e. corporation, partnership, association, sole proprietorship). Organization documents of business entity should be attached. (certificate of incorporation, assumed name certificate, etc.)

Corporate Registered Agent (If applicable): Name: Herbert V. Johnson Title: President

Address: 6120 S. Dairy Ashford Rd., Houston, TX 77072

Phone Number: 281.933.7388

E-mail Address (If applicable): hjohnson@hvj.com

CITY OF HOUSTON, TEXAS
Public Works & Engineering Department



**Application for
Monitoring Well/Boring Permit**

**Emergency Contact Information:
List two(2) persons**

Name:	Edward F. Hawkinson	Mobile Telephone:	281.804.5766
Business Address:	6120 S. Dairy Ashford Rd., Houston, TX 77072-1010	Business Telephone:	281.983.8829
Home Address:	1415 Welch Street, Houston, TX 77006	Home Telephone:	713.520.1116
Name:	Hossam Esmail	Mobile Telephone:	281.415.7723
Business Address:	6120 S. Dairy Ashford Rd., Houston, TX 77072-1010	Business Telephone:	281.933.7388
Home Address:	22535 Holly Lake Drive, Katy, TX 77450	Home Telephone:	281.395.9762

Agents, Contractors, Engineers:

List every agent, contractor, or engineer that will perform work in the installation, monitoring and removal of the facility. (Additional information may be attached). A copy of the Driller's State license for drilling monitoring well facilities must also be attached.

Name:	MEDI, Inc. (tentative - reserve the right to employ an alternate driller)	Telephone:	713.896.6260
Address:	12243B FM 529 Houston, TX 77041		

Work Performed: Boring installation using Geoprobe

Name: _____ Telephone: _____

Address: _____

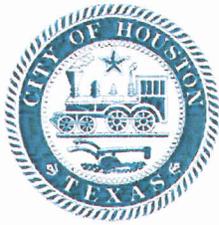
Work Performed: _____

II: MONITORING WELL / BORING INFORMATION

Applying for multiple facilities? Yes No

(Identify the type of each facility.)

Number of Facilities: 2 (estimate) Monitoring Well or other Device(s)
6 Environmental Test Boring(s)
8 TOTAL



CITY OF HOUSTON, TEXAS
Public Works & Engineering Department



Application for Monitoring Well/Boring Permit

Detailed Facility
Location Description:

SEE ATTACHED LIST AND MAPS

Key 373R &
Map: 374P

Attach additional
descriptions for multiple
locations if necessary.

Location on GIMS map must be attached

There must be minimum of 10 feet between the facility and any existing sanitary sewer lines and a minimum of 5 feet between the facility and any existing water and storm lines and traffic signal conduits shall be maintained

Attach plan(s) showing design, dimension and depth of the facility, the manner in which it will be placed, and the process that will be used for its removal and closure. (Information is required for both monitoring wells and borings)

Registered
Engineer/Surveyor:

Address: _____ Telephone: _____

Plan Number: _____

III. PERMIT INFORMATION

NOTE: ALL PERMIT FEES ARE WAIVED FOR THOSE APPLICANTS APPLYING FOR A PERMIT FOR A CITY PROJECT.

PERMIT TYPE	APPLICATION FEES	CALCULATIONS
ORIGINAL	\$ 200* (1 st facility) + \$25* (each additional facility if applicable) →	\$ _____
RENEWAL	\$25* for each facility →	\$ _____
	\$5* Administrative fee to process <u>all</u> applications →	\$ 5.00

TOTAL FEE: \$ 0 (City Project)
Make a Certified or Cashier's Check payable to "City of Houston."

*** ALL FEES ARE NON-REFUNDABLE**

IV. INSURANCE AND BOND INFORMATION

NO PERMIT WILL BE ISSUED WITHOUT AN INSURANCE AND BOND CERTIFICATE

Restoration Bond No.
(Original Bond Attached): N/A Restoration Bond Sum: N/A

Bond Surety Name: _____ Telephone: _____

Address: _____

Contact Person: _____

E-mail Address(If applicable): _____

CITY OF HOUSTON, TEXAS
Public Works & Engineering Department



Application for
Monitoring Well/Boring Permit

Liability Insurance
Policy No:

61UUNZP0869 - (EFFECTIVE FROM 12/31/2014 to 12/31/2015)

Bodily injury \$300,000.00 per occurrence, property damage \$100,000.00 per occurrence.

Insurer:

USI Southwest

Contact

Person: Karen Wagner

Telephone: 713.490.4569

Address: 840 Gessner, Suite 600

Houston, Texas 77024

E-mail Address

(If applicable): [karen.wagner@usi.biz]

V. ACKNOWLEDGMENT & AFFIDAVIT:

The undersigned Applicant acknowledges, and agrees to observe all provisions of Article XII, Chapter 40, City of Houston Code of Ordinances, with all subsequent revisions, that are applicable to the work herein described and will perform work in accordance with the above plans and specifications. Applicant further swears under penalty of law that the information provided herein is true and correct to the best of Applicant's knowledge.

Applicant: HVJ Associates, Inc.

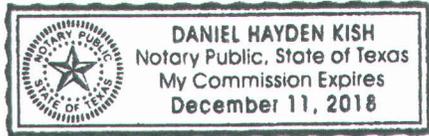
Agent Name: Niem Ly

Title Engineering Aide

Agent Signature:

SWORN AND SUBSCRIBED before me the undersigned authority by the above named person on this

5th day of January, 2015



Notary Public in and for the State of Texas

Daniel Kish

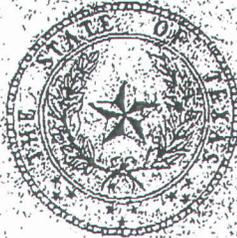
(Print Name)

My Commission Expires: 12/11/18

PERMIT APPROVED:
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS & ENGINEERING

Director

THE STATE OF TEXAS



THIS IS TO CERTIFY THAT

THOMAS E. MATHERG

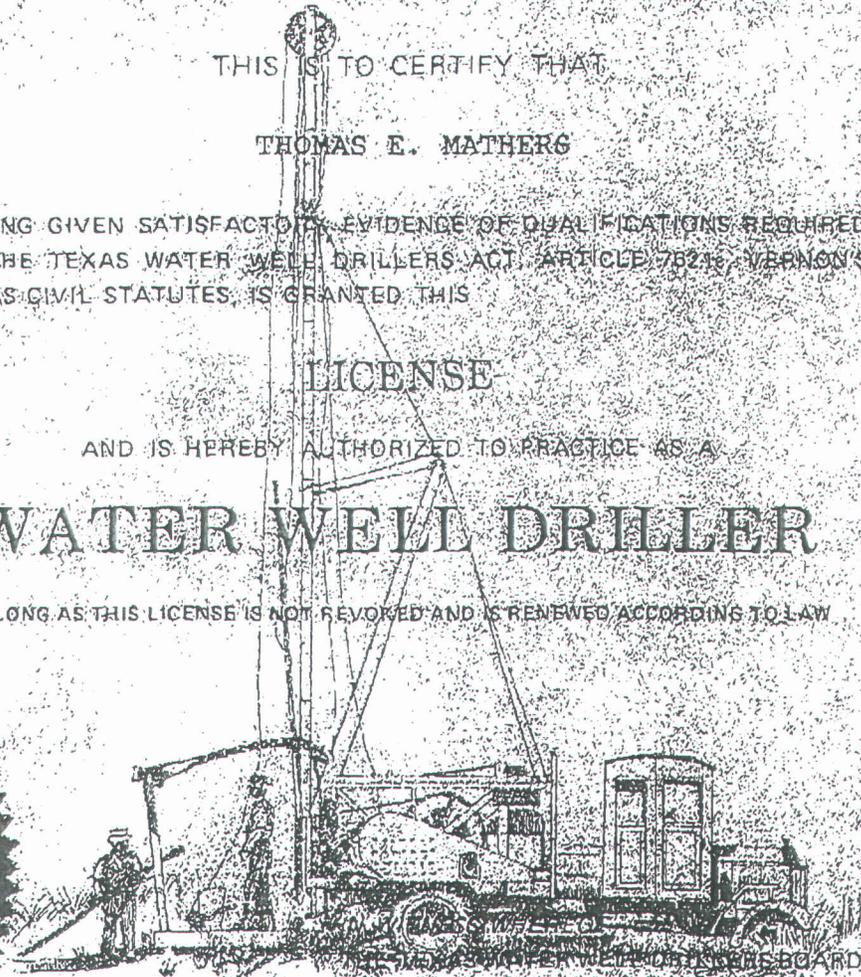
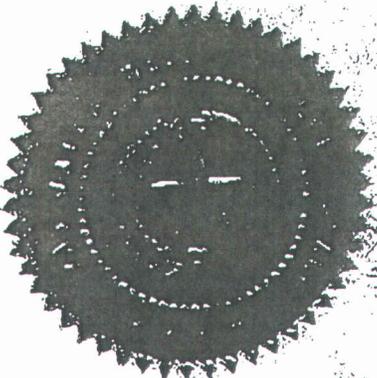
HAVING GIVEN SATISFACTORY EVIDENCE OF QUALIFICATIONS REQUIRED BY THE TEXAS WATER WELL DRILLERS ACT, ARTICLE 7621c, VERNON'S TEXAS CIVIL STATUTES, IS GRANTED THIS

LICENSE

AND IS HEREBY AUTHORIZED TO PRACTICE AS A

WATER WELL DRILLER

SO LONG AS THIS LICENSE IS NOT REVOKED AND IS RENEWED ACCORDING TO LAW



THE TEXAS WATER WELL DRILLERS BOARD HAS AFFIXED ITS HAND AND THE SEAL OF THE BOARD THIS

22ND DAY OF JAN, 1990

[Handwritten Signature]
Chairman

LICENSE
NUMBER

3096W



The State of Texas

Secretary of State

CERTIFICATE OF AMENDMENT

FOR

MVJ ASSOCIATES, INC.
CHARTER NUMBER 00751720

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS,
HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE
NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO
CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SECRETARY OF STATE, AND BY VIRTUE
OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS
CERTIFICATE OF AMENDMENT.

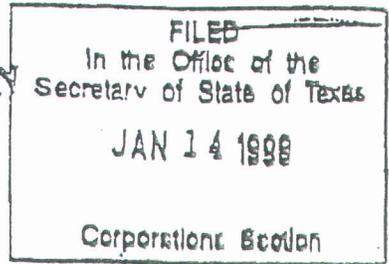
DATED JAN. 14, 1999

EFFECTIVE JAN. 14, 1999




Secretary of State

ARTICLES OF AMENDMENT
TO
THE ARTICLES OF INCORPORATION
OF
HVJ ASSOCIATES, INC.



Pursuant to applicable provisions of the Texas Business Corporation Act and the Bylaws of HVJ Associates, Inc. (the "Corporation"), the Corporation hereby adopts the following Articles of Amendment to the Articles of Incorporation:

ARTICLE I

The name of the Corporation is HVJ Associates, Inc.

ARTICLE II

The Amendment to the Articles of Incorporation of the Corporation changes Article Four of the original Articles of Incorporation, and the full text of such amended Article Four is as follows:

"ARTICLE FOUR

Amount of Capital Stock

The total number of shares into which the authorizing capital stock of the Corporation is divided is one-hundred thousand (100,000) shares, consisting of one-hundred thousand (100,000) shares of no par value.

ARTICLE III

The Amendment to the Articles of Incorporation of the Corporation was adopted by a Unanimous Consent Resolution in lieu of a Special Meeting of Shareholders, said resolution having been adopted on January 4, 1999, by written consent of all shareholders in accordance with Article 9.10 of the Texas Business Corporation Act, and any written notice required by such article has been given.

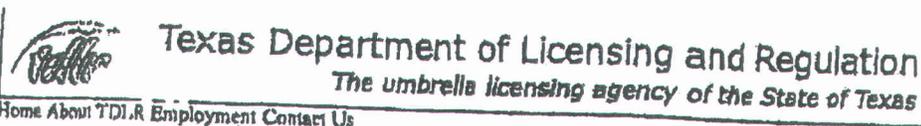
ARTICLE IV

The number of shares of the Corporation outstanding and entitled to vote at a meeting of shareholders or by resolution are nine-thousand (9,000) shares consisting of no par value. There are no shares of the Corporation entitled to vote by class or series

Dated: January 12, 1999

EVJ Associates, Inc.

By: 
Herbert V. Johnson, Sole
Director and Sole Share-
holder 



Home About TDLR Employment Contact Us

Texas Department of Licensing and Regulation
Result Listing

Name and Location	Other Information
SPAUST, RYAN 4647 BRASS WAY DALLAS TX 75236 County: DALLAS	Water Well Driller and Pump Installer Apprentice License #: 57817 Expiration Date: 08/11/2010 Type: N/A Phone: (972) 243-7174

Driller Designations:

- (W) - water well;
- (M) - monitoring well;
- (C) - closed loop geothermal well;
- (N) - injection well;
- (D) - dewatering well;
- (A) - master well driller which includes all designations previously listed.

Pump Installer Designations:

- (L) - windmills, hand pumps, and pump jacks;
- (P) - single phase pumps;
- (K) - three phase pumps;
- (T) - line-shaft turbine pumps;
- (I) - three phase pumps;
- (I) - master water well pump installer which includes all designations previously listed.

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STATEMENT REGARDING THE REQUIREMENT TO “Attach plan(s) showing design, dimension and depth of the facility, the manner in which it will be placed, and the process that will be used for its removal and closure.”

Six borings will be installed to access three locations with recognized environmental concerns. These locations of concern, type of concern and other information is shown in the following table:

Location of Concern	Type of Concern	Max. Depth of Construction (ft.)	Recommended Analysis
Former NCS 1255 15929 Aldine Westfield Rd	PST/LPST	8	BTEX+MTBE, TPH
Timewise Exxon 15931 JFK Blvd	PST/LPST	8	BTEX+MTBE, TPH
Airport Shell 15930 JFK Blvd	PST/LPST	8	BTEX+MTBE, TPH

The objective of the investigation is to determine the nature of possible environmental contamination associated with the industrial sites and their impact to the design, construction and operation of the proposed facilities. It has been determined that none of the proposed location may require pavement cores. The borings will be advanced using direct push (Geoprobe) techniques and will be continuously sampled from the surface to the boring total depth below ground surface (bgs). Soil samples will be screened for evidence of impacts in the field using an organic vapor meter (OVM). In accordance with City of Houston guidelines, one soil sample will be collected from each boring and submitted for laboratory analysis. Should groundwater be encountered, a temporary monitoring well will be installed and water sampled for laboratory analysis. No more than one monitoring well will be installed at each location. Subsequent to the drilling and sampling activities (the same day or the next day), the temporary monitoring well screen and riser pipe will be removed and each borehole will be plugged from boring total depth to the surface using excess soil cuttings/bentonite slurry and the surface repaired with either topsoil, asphalt patch or concrete as appropriate.

DESCRIPTIONS (Continued from Page 1)

The General Liability, Workers Compensation and Professional Liability policies provide a Blanket Waiver of Subrogation when required by written contract.

The Excess Liability policy follows form to the underlying General Liability, Automobile and Workers Compensation policies. The Excess Liability coverage limits are in addition to those provided by the General Liability, Automobile and Workers Compensation policies.

The General Liability, Workers Compensation and Professional Liability policies include an endorsement providing that 30 days notice of cancellation for reasons other than nonpayment of premium and 10 days notice of cancellation for nonpayment of premium will be given to the Certificate Holder by the Insurance Carrier.

Excluded Officers: Herbert Johnson & Michael Hasen

APPENDIX B
BORING LOGS



xvand

Telephone:
Fax:

Client: City of Houston		Job No.: HE1114418	Boring/Well: EB01
Project: Greens Road		Well Construction Data	
Date Started: 1/16/15	Date Completed: 1/16/15	Screen: 	From: - To:
Logged By: NL	Checked By: EFH	Pack: 	From: - To:
Drilling Co.: Mathers	Driller:	Seal: 	From: - To:
Method: Geoprobe	Equipment:	Grout: 	From: - To:
Boring Depth: 16.0	Ground Surface Elevation:	Inner Casing:	
Initial GW Level: 	GW Level: 	Time/Date:	Outer Casing/Stick Up:

Depth	Sample	Sample Number	Blow Count Rec./RQD	PID (ppm)	Lithology	Description	Remarks	Well Construction	
0						Brown clay with calcareous nodules			
0.0							NO HYDROCARBON ODOR		
0.0							NO HYDROCARBON ODOR		
0.0						Dark gray to reddish brown clay		NO HYDROCARBON ODOR	
0.0						Reddish brown clay		NO HYDROCARBON ODOR	
10									
15									
0.0							BORING TERMINATED AT 16 FT. BELOW GROUND SURFACE (BGS)		

LAEWNL03 GREENS ROAD PHASE 2 ESA.GPJ LAEWNL03.GDT 1/22/15



xvand

Telephone:
Fax:

Client: City of Houston		Job No.: HE1114418	Boring/Well: EB02
Project: Greens Road		Well Construction Data	
Date Started: 1/16/15	Date Completed: 1/16/15	Screen: 	From: - To:
Logged By: NL	Checked By: EFH	Pack: 	From: - To:
Drilling Co.: Mathers	Driller:	Seal: 	From: - To:
Method: Geoprobe	Equipment:	Grout: 	From: - To:
Boring Depth: 16.0	Ground Surface Elevation:	Inner Casing:	
Initial GW Level: ∇	GW Level: ∇	Time/Date:	Outer Casing/Stick Up:

Depth	Sample	Sample Number	Blow Count Rec./RQD	PID (ppm)	Lithology	Description	Remarks	Well Construction
0				0.0		Brown gray sandy clay with rocks	NO HYDROCARBON ODOR	
5				0.0		Gray sand with rocks	NO HYDROCARBON ODOR	
10				1.2		Reddish brown sandy clay	NO HYDROCARBON ODOR	
15				0.0			NO HYDROCARBON ODOR	
				0.0			BORING TERMINATED AT 16 FT. BGS	

LAEWNL03 GREENS ROAD PHASE 2 ESA.GPJ LAEWNL03.GDT 1/22/15



xvand

Telephone:
Fax:

Client: City of Houston		Job No.: HE1114418	Boring/Well: EB03
Project: Greens Road		Well Construction Data	
Date Started: 1/16/15	Date Completed: 1/16/15	Screen: 	From: - To:
Logged By: NL	Checked By: EFH	Pack: 	From: - To:
Drilling Co.: Mathers	Driller:	Seal: 	From: - To:
Method: Geoprobe	Equipment:	Grout: 	From: - To:
Boring Depth: 16.0	Ground Surface Elevation:	Inner Casing:	
Initial GW Level:	GW Level:	Time/Date:	Outer Casing/Stick Up:

Depth	Sample	Sample Number	Blow Count Rec./RQD	PID (ppm)	Lithology	Description	Remarks	Well Construction
0						Dark gray sandy clay		
				1.2				
				1.2			NO HYDROCARBON ODOR	
				1.2				
				1.2		Brown sand		
5				0.0				
				0.0		Brown clay		
				0.0			NO HYDROCARBON ODOR	
				0.0				
				0.0		Brown sandy clay		
10				0.0			NO HYDROCARBON ODOR	
				0.0				
				0.0				
				0.0			NO HYDROCARBON ODOR	
15				0.0				
				0.0				
				0.0			BORING TERMINATED AT 16 FT. BGS	

LAEWNL03 GREENS ROAD PHASE 2 ESA.GPJ LAEWNL03.GDT 1/22/15



xvand

Telephone:
Fax:

Client: City of Houston		Job No.: HE1114418	Boring/Well: EB04
Project: Greens Road		Well Construction Data	
Date Started: 1/16/15	Date Completed: 1/16/15	Screen: 	From: - To:
Logged By: NL	Checked By: EFH	Pack: 	From: - To:
Drilling Co.: Mathers	Driller:	Seal: 	From: - To:
Method: Geoprobe	Equipment:	Grout: 	From: - To:
Boring Depth: 16.0	Ground Surface Elevation:	Inner Casing:	
Initial GW Level: 	GW Level: 12.0	Time/Date:	Outer Casing/Stick Up:

Depth	Sample	Sample Number	Blow Count Rec./RQD	PID (ppm)	Lithology	Description	Remarks	Well Construction
0				0.0		Brown sandy clay		0
				0.0			NO HYDROCARBON ODOR	
				0.0				
				0.0				
5				1.2		Brown sand		5
				1.2			NO HYDROCARBON ODOR	
				1.2				
				1.2		Gray sand		
				1.2			NO HYDROCARBON ODOR	
				0.0				
10				0.0		Reddish brown sandy clay		10
				0.0			NO HYDROCARBON ODOR	
				0.0				
				0.0		Light gray sand		
				0.0			NO HYDROCARBON ODOR	
				0.0				
				0.0		Reddish brown clay		
				0.0			NO HYDROCARBON ODOR	
				0.0				
15				0.0				15
				0.0			NO HYDROCARBON ODOR	
				0.0				
				0.0			BORING TERMINATED AT 16 FT. BGS	

LAEWNL03 GREENS ROAD PHASE 2 ESA.GPJ LAEWNL03.GDT 1/22/15



xvand

Telephone:
Fax:

Client: City of Houston		Job No.: HE1114418	Boring/Well: EB06
Project: Greens Road		Well Construction Data	
Date Started: 1/16/15	Date Completed: 1/16/15	Screen: 	From: - To:
Logged By: NL	Checked By: EFH	Pack: 	From: - To:
Drilling Co.: Mathers	Driller:	Seal: 	From: - To:
Method: Geoprobe	Equipment:	Grout: 	From: - To:
Boring Depth: 16.0	Ground Surface Elevation:	Inner Casing:	
Initial GW Level: 	GW Level: 12.5	Time/Date:	Outer Casing/Stick Up:

Depth	Sample	Sample Number	Blow Count Rec./RQD	PID (ppm)	Lithology	Description	Remarks	Well Construction
0								
				1.2		Gray sandy clay		0
				1.2			NO HYDROCARBON ODOR	
				1.2				
				1.2		Reddish brown sandy clay		5
				2.0			NO HYDROCARBON ODOR	
				2.0				
				2.0		Brown sandy clay		
				2.0				
10				2.0		Light brown fine sand		10
				2.0			NO HYDROCARBON ODOR	
				2.0				
				2.0		Reddish brown clay		15
				1.2			NO HYDROCARBON ODOR	
				1.2				
				1.2				
				1.2				
				1.2				
				1.2				
				1.2				
				1.2				
				1.2				
				1.2				
				1.2				
							BORING TERMINATED AT 16 FT. BGS	

LAEWNL03 GREENS ROAD PHASE 2 ESA.GPJ LAEWNL03.GDT 1/22/15

APPENDIX C

ANALYTICAL LAB REPORT/CHAIN OF CUSTODY DOCUMENTATION

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 15010667



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name :
HE1114418 / Greens Rd. Phase II / Houston

Report To : Client Name: HVJ Associates
Attn: Niem Ly
Client Address: 6120 S. Dairy Ashford
City, State, Zip: Houston, Texas, 77072

P.O.#.: HE1114418
Sample Collected By:
Date Collected: 01/16/15

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
EB1 (8'-12')	Soil	15010667.01
EB2 (8'-12')	Soil	15010667.02
EB3 (0'-4')	Soil	15010667.03
EB4 (4'-8')	Soil	15010667.04
EB4 (12')	Water	15010667.05
EB5 (12'-16')	Soil	15010667.06
EB6 (8'-10')	Soil	15010667.07

A handwritten signature in black ink, appearing to read 'SSH', written over a horizontal line.

Released By: Sophia Shah
Title: Project Manager
Date: 1/23/2015



This Laboratory is NELAP (T104704213-14-11) accredited. Effective: 04/01/2014; Expires: 03/31/2015
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

Date Received : 01/16/2015 14:17

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 15010667

Date: 1/23/2015

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

Qualifier Definition

M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference.
Q18	Soils not collected in a hermetically sealed container may lose low-level VOCs.
S6	Surrogate recovery is outside control limits due to matrix effects.



LABORATORY TEST RESULTS

Date 1/23/2015

Job ID : 15010667

Client Name: HVJ Associates Attn: Niem Ly
 Project Name: HE1114418 / Greens Rd. Phase II / Houston

Client Sample ID: EB1 (8'-12') Job Sample ID: 15010667.01
 Date Collected: 01/16/15 Sample Matrix: Soil
 Time Collected: 09:40
 Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8021B	Purgeable Aromatics								
	MTBE	0.135	mg/Kg	1.00	0.005			01/20/15 03:56	SRB
	Benzene	BRL	mg/Kg	1.00	0.005		Q18	01/20/15 03:56	SRB
	Toluene	BRL	mg/Kg	1.00	0.005			01/20/15 03:56	SRB
	Ethylbenzene	BRL	mg/Kg	1.00	0.005			01/20/15 03:56	SRB
	m- & p-Xylenes	BRL	mg/Kg	1.00	0.01			01/20/15 03:56	SRB
	o-Xylene	BRL	mg/Kg	1.00	0.005			01/20/15 03:56	SRB
	Xylenes	BRL	mg/Kg	1.00	0.015			01/20/15 03:56	SRB
	Trifluorotoluene(surr)	99	%	1.00	81-111			01/20/15 03:56	SRB
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12 ¹	BRL	mg/Kg	1	23.7		Q18	01/16/15 17:23	AVB
	>C12-C28 ¹	BRL	mg/Kg	1	20.3			01/16/15 17:23	AVB
	>C28-C35 ¹	BRL	mg/Kg	1	17.7			01/16/15 17:23	AVB
	Total C6-C35	BRL	mg/Kg	1				01/16/15 17:23	AVB
	1-Chlorooctane(surr)	96.6	%	1	60-143			01/16/15 17:23	AVB
	Chlorooctadecane(surr)	93.1	%	1	60-150			01/16/15 17:23	AVB



LABORATORY TEST RESULTS

Date 1/23/2015

Job ID : 15010667

Client Name: HVJ Associates Attn: Niem Ly
 Project Name: HE1114418 / Greens Rd. Phase II / Houston

Client Sample ID: EB2 (8'-12') Job Sample ID: 15010667.02
 Date Collected: 01/16/15 Sample Matrix: Soil
 Time Collected: 10:00
 Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8021B	Purgeable Aromatics								
	MTBE	0.094	mg/Kg	0.99	0.0049261			01/20/15 04:21	SRB
	Benzene	BRL	mg/Kg	0.99	0.0049261		Q18	01/20/15 04:21	SRB
	Toluene	BRL	mg/Kg	0.99	0.0049261			01/20/15 04:21	SRB
	Ethylbenzene	BRL	mg/Kg	0.99	0.0049261			01/20/15 04:21	SRB
	m- & p-Xylenes	BRL	mg/Kg	0.99	0.0098522			01/20/15 04:21	SRB
	o-Xylene	BRL	mg/Kg	0.99	0.0049261			01/20/15 04:21	SRB
	Xylenes	BRL	mg/Kg	0.99	0.0147783			01/20/15 04:21	SRB
	Trifluorotoluene(surr)	99.5	%	0.99	81-111			01/20/15 04:21	SRB
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12 ¹	BRL	mg/Kg	1	23.7		Q18	01/16/15 17:47	AVB
	>C12-C28 ¹	BRL	mg/Kg	1	20.3			01/16/15 17:47	AVB
	>C28-C35 ¹	BRL	mg/Kg	1	17.7			01/16/15 17:47	AVB
	Total C6-C35	BRL	mg/Kg	1				01/16/15 17:47	AVB
	1-Chlorooctane(surr)	104	%	1	60-143			01/16/15 17:47	AVB
	Chlorooctadecane(surr)	103	%	1	60-150			01/16/15 17:47	AVB



LABORATORY TEST RESULTS

Date 1/23/2015

Job ID : 15010667

Client Name: HVJ Associates Attn: Niem Ly
 Project Name: HE1114418 / Greens Rd. Phase II / Houston

Client Sample ID: EB3 (0'-4') Job Sample ID: 15010667.03
 Date Collected: 01/16/15 Sample Matrix: Soil
 Time Collected: 10:10
 Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8021B	Purgeable Aromatics								
	MTBE	0.122	mg/Kg	1.01	0.0050505			01/20/15 04:47	SRB
	Benzene	BRL	mg/Kg	1.01	0.0050505		Q18	01/20/15 04:47	SRB
	Toluene	BRL	mg/Kg	1.01	0.0050505			01/20/15 04:47	SRB
	Ethylbenzene	BRL	mg/Kg	1.01	0.0050505			01/20/15 04:47	SRB
	m- & p-Xylenes	BRL	mg/Kg	1.01	0.0101010			01/20/15 04:47	SRB
	o-Xylene	BRL	mg/Kg	1.01	0.0050505			01/20/15 04:47	SRB
	Xylenes	BRL	mg/Kg	1.01	0.0151515			01/20/15 04:47	SRB
	Trifluorotoluene(surr)	103	%	1.01	81-111			01/20/15 04:47	SRB
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12 ¹	BRL	mg/Kg	1	23.7		Q18	01/16/15 18:11	AVB
	>C12-C28 ¹	BRL	mg/Kg	1	20.3			01/16/15 18:11	AVB
	>C28-C35 ¹	BRL	mg/Kg	1	17.7			01/16/15 18:11	AVB
	Total C6-C35	BRL	mg/Kg	1				01/16/15 18:11	AVB
	1-Chlorooctane(surr)	86.2	%	1	60-143			01/16/15 18:11	AVB
	Chlorooctadecane(surr)	83.9	%	1	60-150			01/16/15 18:11	AVB



LABORATORY TEST RESULTS

Job ID : 15010667

Date 1/23/2015

Client Name: HVJ Associates Attn: Niem Ly
 Project Name: HE1114418 / Greens Rd. Phase II / Houston

Client Sample ID: EB4 (4'-8') Job Sample ID: 15010667.04
 Date Collected: 01/16/15 Sample Matrix: Soil
 Time Collected: 11:10
 Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8021B	Purgeable Aromatics								
	MTBE	0.145	mg/Kg	1.00	0.0049751			01/20/15 05:13	SRB
	Benzene	BRL	mg/Kg	1.00	0.0049751		Q18	01/20/15 05:13	SRB
	Toluene	BRL	mg/Kg	1.00	0.0049751			01/20/15 05:13	SRB
	Ethylbenzene	BRL	mg/Kg	1.00	0.0049751			01/20/15 05:13	SRB
	m- & p-Xylenes	BRL	mg/Kg	1.00	0.0099502			01/20/15 05:13	SRB
	o-Xylene	BRL	mg/Kg	1.00	0.0049751			01/20/15 05:13	SRB
	Xylenes	BRL	mg/Kg	1.00	0.0149253			01/20/15 05:13	SRB
	Trifluorotoluene(surr)	102	%	1.00	81-111			01/20/15 05:13	SRB
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12 ¹	BRL	mg/Kg	1	23.7		Q18	01/16/15 18:35	AVB
	>C12-C28 ¹	BRL	mg/Kg	1	20.3			01/16/15 18:35	AVB
	>C28-C35 ¹	BRL	mg/Kg	1	17.7			01/16/15 18:35	AVB
	Total C6-C35	BRL	mg/Kg	1				01/16/15 18:35	AVB
	1-Chlorooctane(surr)	79	%	1	60-143			01/16/15 18:35	AVB
	Chlorooctadecane(surr)	79.8	%	1	60-150			01/16/15 18:35	AVB



LABORATORY TEST RESULTS

Date 1/23/2015

Job ID : 15010667

Client Name: HVJ Associates Attn: Niem Ly
 Project Name: HE1114418 / Greens Rd. Phase II / Houston

Client Sample ID: EB4 (12') Job Sample ID: 15010667.05
 Date Collected: 01/16/15 Sample Matrix: Water
 Time Collected: 11:45
 Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8021B	Purgeable Aromatics								
	MTBE	BRL	mg/L	1	0.002			01/20/15 17:24	SRB
	Benzene	BRL	mg/L	1	0.002			01/20/15 17:24	SRB
	Toluene	BRL	mg/L	1	0.002			01/20/15 17:24	SRB
	Ethylbenzene	BRL	mg/L	1	0.002			01/20/15 17:24	SRB
	m- & p-Xylenes	BRL	mg/L	1	0.004			01/20/15 17:24	SRB
	o-Xylene	BRL	mg/L	1	0.002			01/20/15 17:24	SRB
	Xylenes	BRL	mg/L	1	0.006			01/20/15 17:24	SRB
	Trifluorotoluene(surr)	105	%	1	75-125			01/20/15 17:24	SRB
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12 ¹	BRL	mg/L	1.028	1.028			01/16/15 20:35	AVB
	>C12-C28 ¹	BRL	mg/L	1.028	1.028			01/16/15 20:35	AVB
	>C28-C35 ¹	BRL	mg/L	1.028	1.1308			01/16/15 20:35	AVB
	Total C6-C35	BRL	mg/L	1.028				01/16/15 20:35	AVB
	1-Chlorooctane(surr)	92.2	%	1.028	70-125			01/16/15 20:35	AVB
	Chlorooctadecane(surr)	112	%	1.028	70-125			01/16/15 20:35	AVB



LABORATORY TEST RESULTS

Date 1/23/2015

Job ID : 15010667

Client Name: HVJ Associates Attn: Niem Ly
 Project Name: HE1114418 / Greens Rd. Phase II / Houston

Client Sample ID: EB5 (12'-16') Job Sample ID: 15010667.06
 Date Collected: 01/16/15 Sample Matrix: Soil
 Time Collected: 12:10
 Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8021B	Purgeable Aromatics								
	MTBE	0.263	mg/Kg	1.00	0.005			01/20/15 05:38	SRB
	Benzene	BRL	mg/Kg	1.00	0.005		Q18	01/20/15 05:38	SRB
	Toluene	BRL	mg/Kg	1.00	0.005			01/20/15 05:38	SRB
	Ethylbenzene	BRL	mg/Kg	1.00	0.005			01/20/15 05:38	SRB
	m- & p-Xylenes	BRL	mg/Kg	1.00	0.01			01/20/15 05:38	SRB
	o-Xylene	BRL	mg/Kg	1.00	0.005			01/20/15 05:38	SRB
	Xylenes	BRL	mg/Kg	1.00	0.015			01/20/15 05:38	SRB
	Trifluorotoluene(surr)	98.5	%	1.00	81-111			01/20/15 05:38	SRB
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12 ¹	BRL	mg/Kg	1	23.7		Q18	01/16/15 18:59	AVB
	>C12-C28 ¹	BRL	mg/Kg	1	20.3			01/16/15 18:59	AVB
	>C28-C35 ¹	BRL	mg/Kg	1	17.7			01/16/15 18:59	AVB
	Total C6-C35	BRL	mg/Kg	1				01/16/15 18:59	AVB
	1-Chlorooctane(surr)	112	%	1	60-143			01/16/15 18:59	AVB
	Chlorooctadecane(surr)	103	%	1	60-150			01/16/15 18:59	AVB



LABORATORY TEST RESULTS

Date 1/23/2015

Job ID : 15010667

Client Name: HVJ Associates Attn: Niem Ly
 Project Name: HE1114418 / Greens Rd. Phase II / Houston

Client Sample ID: EB6 (8'-10') Job Sample ID: 15010667.07
 Date Collected: 01/16/15 Sample Matrix: Soil
 Time Collected: 13:30
 Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8021B	Purgeable Aromatics								
	MTBE	0.166	mg/Kg	1.01	0.0050251			01/20/15 06:30	SRB
	Benzene	BRL	mg/Kg	1.01	0.0050251		Q18	01/20/15 06:30	SRB
	Toluene	BRL	mg/Kg	1.01	0.0050251			01/20/15 06:30	SRB
	Ethylbenzene	BRL	mg/Kg	1.01	0.0050251			01/20/15 06:30	SRB
	m- & p-Xylenes	BRL	mg/Kg	1.01	0.0100502			01/20/15 06:30	SRB
	o-Xylene	BRL	mg/Kg	1.01	0.0050251			01/20/15 06:30	SRB
	Xylenes	BRL	mg/Kg	1.01	0.0150753			01/20/15 06:30	SRB
	Trifluorotoluene(surr)	102	%	1.01	81-111			01/20/15 06:30	SRB
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12 ¹	BRL	mg/Kg	1	23.7		Q18	01/16/15 19:23	AVB
	>C12-C28 ¹	BRL	mg/Kg	1	20.3			01/16/15 19:23	AVB
	>C28-C35 ¹	BRL	mg/Kg	1	17.7			01/16/15 19:23	AVB
	Total C6-C35	BRL	mg/Kg	1				01/16/15 19:23	AVB
	1-Chlorooctane(surr)	77.5	%	1	60-143			01/16/15 19:23	AVB
	Chlorooctadecane(surr)	79.6	%	1	60-150			01/16/15 19:23	AVB

¹-Parameter not available for accreditation

QUALITY CONTROL CERTIFICATE



Job ID : 15010667

Date : 1/23/2015

Analysis : Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/Kg

QC Batch ID : Qb15011926 **Created Date :** 01/19/15 **Created By :** AVBembde

Samples in This QC Batch : 15010667.01,02,03,04,06,07

Sample Preparation : PB15011934 **Prep Method :** TX 1005 **Prep Date :** 01/16/15 11:00 **Prep By :** AVBembde

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
C6-C12	TPH-1005-1	BRL	mg/Kg	1	23.7	
>C12-C28	TPH-1005-2	BRL	mg/Kg	1	20.3	
>C28-C35	TPH-1005-4	BRL	mg/Kg	1	17.7	
Total C6-C35		BRL	mg/Kg	1		
Chlorooctadecane(surr)	3386-33-2	90.4	%	1	60-150	
1-Chlorooctane(surr)	111-85-3	103	%	1	60-143	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	500	502	100	500	524	105	4.3	20	75-125	
>C12-C28	500	491	98.2	500	497	99.4	1.2	20	75-125	
>C28-C35	500	472	94.4	500	457	91.4	3.2	20	75-125	

QC Type: MS and MSD

QC Sample ID: 15010656.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	500	576	114	500	492	97.5	15.9	20	75-125	
>C12-C28	110	500	701	118	500	617	101	15.3	20	75-125	
>C28-C35	BRL	500	567	111	500	469	91.9	19.3	20	75-125	

QUALITY CONTROL CERTIFICATE



Job ID : 15010667

Date : 1/23/2015

Analysis : Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/L

QC Batch ID : Qb15011943 **Created Date :** 01/19/15 **Created By :** AVBembde

Samples in This QC Batch : 15010667.05

Sample Preparation : PB15011943 **Prep Method :** TX 1005 **Prep Date :** 01/16/15 16:00 **Prep By :** AVBembde

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
C6-C12	TPH-1005-1	BRL	mg/L	1	1	
>C12-C28	TPH-1005-2	BRL	mg/L	1	1	
>C28-C35	TPH-1005-4	BRL	mg/L	1	1.1	
Total C6-C35		BRL	mg/L	1		
Chlorooctadecane(surr)	3386-33-2	78.6	%	1	70-125	
1-Chlorooctane(surr)	111-85-3	79.6	%	1	70-125	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrLimit	%Recovery CtrLimit	Qual
C6-C12	43	33.8	78.6	43	34.5	80.2	2	20	75-125	
>C12-C28	43	33.8	78.6	43	34.3	79.8	1.5	20	75-125	
>C28-C35	43	33.6	78.1	43	34.2	79.5	1.8	20	75-125	

QC Type: MS and MSD

QC Sample ID: 15010611.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrLimit	%Rec CtrLimit	Qual
C6-C12	BRL	43.5	54.3	125	43.5	47.9	110	12.5	20	75-125	
>C12-C28	BRL	43.5	54	124	43.5	52.2	120	3.4	20	75-125	
>C28-C35	BRL	43.5	51.1	117	43.5	41.9	96.3	19.8	20	75-125	

QUALITY CONTROL CERTIFICATE



Job ID : 15010667

Date : 1/23/2015

Analysis : Purgeable Aromatics

Method : SW-846 8021B

Reporting Units : mg/L

QC Batch ID : Qb15012077

Created Date : 01/20/15

Created By : SBojja

Samples in This QC Batch : 15010667.05

Sample Preparation : PB15012080

Prep Method : SW-846 5030C

Prep Date : 01/20/15 11:00 Prep By : SBojja

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
MTBE	1634-04-4	BRL	mg/L	1	0.002	
Benzene	71-43-2	BRL	mg/L	1	0.002	
Toluene	108-88-3	BRL	mg/L	1	0.002	
Ethylbenzene	100-41-4	BRL	mg/L	1	0.002	
m- & p-Xylenes	108-38-3&106-42-3	BRL	mg/L	1	0.004	
o-Xylene	95-47-6	BRL	mg/L	1	0.002	
Xylenes	1330-20-7	BRL	mg/L	1	0.006	
Trifluorotoluene(surr)	98-08-8	105	%	1	75-125	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
MTBE	0.02	0.02	100	0.02	0.02	100	0	30	69.4-124	
Benzene	0.02	0.022	110	0.02	0.021	105	4.6	30	79.1-123	
Toluene	0.02	0.021	105	0.02	0.021	105	0	30	72.3-117	
Ethylbenzene	0.02	0.021	105	0.02	0.021	105	0	30	77.4-119	
m- & p-Xylenes	0.04	0.042	105	0.04	0.042	105	0	30	77.2-127	
o-Xylene	0.02	0.021	105	0.02	0.021	105	0	30	71-114	
Xylenes	0.06	0.063	105	0.06	0.063	105	0	30	75.8-121	

QC Type: MS and MSD

QC Sample ID: 15010750.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
MTBE	BRL	0.02	0.021	105	0.02	0.02	100	4.9	21	68-117	
Benzene	BRL	0.02	0.021	105	0.02	0.02	100	4.9	17	65-143	
Toluene	0.0074	0.02	0.021	68	0.02	0.02	63	7.6	29	67-136	S6
Ethylbenzene	0.0029	0.02	0.023	101	0.02	0.023	101	0	30	80-134	
m- & p-Xylenes	BRL	0.04	0.041	103	0.04	0.04	100	2.5	22	81-131	
o-Xylene	BRL	0.02	0.02	100	0.02	0.019	95	5.1	21	74-134	
Xylenes	BRL	0.06	0.061	102	0.06	0.059	98.3	3.3	21	80-136	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 15010667

Date : 1/23/2015

Analysis : Purgeable Aromatics Method : SW-846 8021B Reporting Units : mg/Kg

QC Batch ID : Qb15012102 Created Date : 01/19/15 Created By : SBojja

Samples in This QC Batch : 15010667.01,02,03,04,06,07

Sample Preparation : PB15012101 Prep Method : SW-846 5035A Prep Date : 01/19/15 17:00 Prep By : SBojja

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
MTBE	1634-04-4	BRL	mg/Kg	1	0.005	
Benzene	71-43-2	BRL	mg/Kg	1	0.005	
Toluene	108-88-3	BRL	mg/Kg	1	0.005	
Ethylbenzene	100-41-4	BRL	mg/Kg	1	0.005	
m- & p-Xylenes	108-38-3&106-42-3	BRL	mg/Kg	1	0.01	
o-Xylene	95-47-6	BRL	mg/Kg	1	0.005	
Xylenes	1330-20-7	BRL	mg/Kg	1	0.015	
Trifluorotoluene(surr)	98-08-8	103	%	1	81-111	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
MTBE	0.05	0.054	108						67.2-132	
Benzene	0.05	0.055	110						76.2-128	
Toluene	0.05	0.054	108						74.2-126	
Ethylbenzene	0.05	0.053	106						79.4-125	
m- & p-Xylenes	0.1	0.106	106						76.3-126	
o-Xylene	0.05	0.054	108						77.1-123	
Xylenes	0.15	0.16	107						77.2-125	

QC Type: MS and MSD

QC Sample ID: 15010667.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
MTBE	0.094	0.049	0.218	253	0.05	0.206	224	10.2	26	76-134	M1
Benzene	BRL	0.049	0.052	106	0.05	0.051	102	1.9	19	68-138	
Toluene	BRL	0.049	0.052	106	0.05	0.051	102	1.9	19	67-135	
Ethylbenzene	BRL	0.049	0.05	102	0.05	0.049	98	2	20	71-127	
m- & p-Xylenes	BRL	0.098	0.098	100	0.1	0.098	98	0	27	56-135	
o-Xylene	BRL	0.049	0.05	102	0.05	0.05	100	0	24	56-134	
Xylenes	BRL	0.147	0.148	101	0.15	0.148	98.7	0	25	59-134	

Refer to the Definition page for terms.

10100 East Fwy (I-10)
Suite 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com



1. **REPORT TO:**
Company: HVS Associates, Inc.
Address: 61205 Dairy Ashford
Houston, TX 77072
Contact: Niem Ly
Phone: 281-983-8825
Fax:
E-mail: NLY@HVS.COM

2. **INVOICE TO:**
Company: Same
Address: Same
Contact: Same
Phone: Same
Fax:
E-mail:

3. PO # HE1114418
3a. A&B Quote #
4. Turnaround Time (Business Days)
 1 Day* Other:
 2 Days*
 3 Days* *Surcharge applies
 Days - Standard

A&B JOB ID # 15010007

5. Project # HE1114418

6. Project Name/Location
Greens Rd Phase II / Houston

7. Reporting Requirement:

TRRP Limits only TRRP Rpt. Package See Attached Standard Level II PST MDL EDD

8. Sampler's Name & Company (PLEASE PRINT)
Sampler's Signature & Date

LAB USE ONLY	9. Sample ID and Description	10. Sampling		11. 12. Matrix							13. No. of Containers	14. Containers*	15. Preservatives**	16. PH-Lab Only	17. Analytes/Methods	18. REMARKS	
		Date	Time 24 Hr	Comp.	Grab	Water	Soil	Sludge	Oil	Drinking Water							Air
01A	EB1 (8-12)	11/6/15	9:40	✓						✓							
02A	EB2 (8-12)	"	10:00	✓						✓							
03A	EB3 (0-4)	"	10:10	✓						✓							
04A	EB4 (4-8)	"	11:10	✓						✓							
05A	F EB4 (12")	"	11:45	✓						✓							
06A	EB5 (12-16)	"	12:10	✓						✓							
07A	EB6 (8-10)	"	1:30	✓						✓							

19. RELINQUISHED BY
Niem Ly

20. RECEIVED BY
[Signature]

DATE: 11/6/15 TIME: 14:17

DATE: 1-10-15 TIME: 14:17

21. KNOWN HAZARDS/COMMENTS

*Containers: VOA - 40 ml vial
4 oz/8 oz - glass wide mouth
P/O - Plastic/other

AG - Amber/Glass 1 Liter
P/O - Plastic/other

**Preservatives: C - Cool OH - NaOH T - NA₂O₂ N - HNO₃ X - Other S - H₂SO₄

Temperature: 310.7 = 38.0
Thermometer ID: 140539097
Intact Y or N: Y Initials: NL

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 90 days



Sample Condition Checklist

A&B JobID : 15010667	Date Received : 01/16/2015	Time Received : 2:17PM
Client Name : HVJ Associates		
Temperature : 3.1+0.7cf=3.8°C	Sample pH : n/a	
Thermometer ID : 140539697	pH Paper ID : n/a	

	Check Points	Yes	No	N/A																								
1.	Cooler seal present and signed.		X																									
2.	Sample(s) in a cooler.	X																										
3.	If yes, ice in cooler.	X																										
4.	Sample(s) received with chain-of-custody.	X																										
5.	C-O-C signed and dated.	X																										
6.	Sample(s) received with signed sample custody seal.		X																									
7.	Sample containers arrived intact. (If no comment).	X																										
8.	<table style="width: 100%; border: none;"> <tr> <td style="width: 10%;">Matrix</td> <td style="width: 10%;">Water</td> <td style="width: 10%;">Soil</td> <td style="width: 10%;">Liquid</td> <td style="width: 10%;">Sludge</td> <td style="width: 10%;">Solid</td> <td style="width: 10%;">Cassette</td> <td style="width: 10%;">Tube</td> <td style="width: 10%;">Bulk</td> <td style="width: 10%;">Badge</td> <td style="width: 10%;">Food</td> <td style="width: 10%;">Other</td> </tr> <tr> <td>:</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other	:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>											
Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other																	
:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																									
9.	Sample(s) were received in appropriate container(s).	X																										
10.	Sample(s) were received with proper preservative	X																										
11.	All samples were logged or labeled.	X																										
12.	Sample ID labels match C-O-C ID's	X																										
13.	Bottle count on C-O-C matches bottles found.	X																										
14.	Sample volume is sufficient for analyses requested.	X																										
15.	Samples were received within the hold time.	X																										
16.	VOA vials completely filled.	X																										
17.	Sample accepted.	X																										

Comments : Include actions taken to resolve discrepancies/problem:

Received by : AHall

Check in by/date : AHall / 01/16/2015

APPENDIX D
WASTE DISPOSAL DOCUMENTATION



Requested Disposal Facility: 5113 McCarty Road LF TX

Waste Profile #

Sales Rep #:

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

Generator Name: HVJ Associates, Inc.
Generator Site Address: Along Greens Road
City: Houston County: Harris State: Texas Zip:
State ID/Reg No: CESQG State Approval/Waste Code: CESQ3192 (if applicable) NAIOS #: NA
Generator Mailing Address (if different): [checked] 6120 S Dairy Ashford
City: Houston County: Harris State: Texas Zip: 77072
Generator Contact Name: Niem Ly Email: NLy@HVJ.com
Phone Number: (281) 983-8825 Ext: Fax Number:

II. Billing Information

Bill To: USA Waste Transportation Services 2067-TD-H015 Contact Name: Debbie Jorgensen
Billing Address: 10234 Lucore Street Email: djorgensen@usaenviro.com
City: Houston State: Texas Zip: 77017 Phone: (713) 202-4961

III. Waste Stream Information

Name of Waste: Soil
Process Generating Waste:
Used a geoprobe to take samples of the soil at multiple locations at the Greens Road Area located in Houston, TX. Improvements project in Houston, TX to determine if there are any contaminated areas prior to construction activities. No contaminants expected.
Type of Waste: [checked] INDUSTRIAL PROCESS WASTE [] POLLUTION CONTROL WASTE
Physical State: [checked] SOLID [] SEMI-SOLID [] POWDER [] LIQUID
Method of Shipment: [] BULK [checked] DRUM [] BAGGED [] OTHER:
Estimated Annual Volume: 1 Drums
Frequency: [checked] ONE TIME [] ONGOING
Disposal Consideration: [checked] LANDFILL [] SOLIDIFICATION [] BIOREMEDIATION

IV. Representative Sample Certification

[] NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules? [checked] YES or [] NO
Type of Sample: [checked] COMPOSITE SAMPLE [] GRAB SAMPLE
Sample Date: 01/16/2015
Sample ID Numbers: EB-1 (8-12), EB-2 (8-12), EB-3 (0-4), EB-4 (4-8), EB-5 (12-16) and EB-6 (8-10)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components		% by Weight (range)			
1. Soil		90.000			
2. Plastic and Debris		10.000			
3.					
4.					
5.					
Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
Brown	None	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO	100.00	NA	>200 °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm)[reference 40 CFR 261.23(a)(5)]?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste a reactive or heat generating waste?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does the waste contain sulfur or sulfur by-products?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste from a TSD facility, TSD like facility or consolidator?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

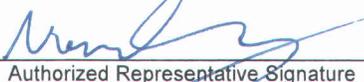
I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Niem Ly / Engineer Aide

HVJ Associates, Inc.

Authorized Representative Name And Title (Type or Print)

Company Name



2/19/2015

Authorized Representative Signature

Date



NON-HAZARDOUS WASTE MANIFEST

2324825

Please print or type.

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of				
3. Generator's Name and Mailing Address HVJ Associates, Inc Along Greens Rd Houston, TX			5. Generating Location (if different) SAME					
4. Phone () 281-983-8825			6. Phone ()					
7. Transporter #1 Company Name USA Waste Transportation Services		8. US EPA ID Number TXRU00032045		9. Transporter #1's Phone 713-425-6900				
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone				
13. Designated T/S/D Facility Name and Site Address MC CARTY ROAD LF TX, LP #261A 11013 OLD BEAUMONT HWY HOUSTON, TX 77078		14. US EPA ID Number		15. Facility's Phone 713-671-1550				
16. Waste Shipping Name and Description		17. Republic Services Approval # and Exp. Date		18. Containers		19. Total Quantity	20. Unit Wt/Vol	
				No.	Type			
a. SOIL		5113152912		1	DM	200	P	
b.								
c.								
21. Additional Descriptions for Materials Listed Above								
22. Special Handling Instructions and Additional Information USA JOB/PO # 2067W-BD-H015								
23. GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.								
Printed/Typed Name				Signature		Month	Day	Year
24. Transporter #1: Acknowledgement of Receipt of Materials				Signature		Month	Day	Year
Printed/Typed Name				Signature		2	26	15
25. Transporter #2: Acknowledgement of Receipt of Materials				Signature		Month	Day	Year
Printed/Typed Name				Signature		Month	Day	Year
26. Discrepancy Indication Space								
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)								
Printed/Typed Name				Signature		Month	Day	Year

GENERATOR

TRANSPORTER

T/S/D FACILITY

GENERATOR'S COPY

COM000033