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May 18, 2004

Barney Chan ALAMEDA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT 1131 Harbor Bay Parkway Alameda, CA 94502-6577

Clayton Project No. 70-03365.06

Subject:

Preferential Pathway/Utility Survey

Former Dunne Paint Facility

1007 41<sup>st</sup> Street in Oakland/Emeryville and 4050 Adeline Street in Emeryville, California

Dear Mr. Chan:

Clayton Group Services, Inc. (Clayton) is pleased to present the results of our Preferential Pathway/Utility Survey for the subject property and for the adjacent portions of 41<sup>st</sup> and Adeline Streets. The location of the subject property is shown on Figure 1. The survey scope of work, which was presented in our letter dated December 22, 2003 and approved by the Alameda County Health Care Services Agency on January 20, 2004, included identification and evaluation of underground utilities and gravel areas that may have the potential to act as preferential conduits for groundwater migration.

### **Underground Utilities**

Utilities in the vicinity of the subject property are owned and maintained by various agencies. Clayton contacted the City of Emeryville Public Works Department, City of Oakland Public Works Department, East Bay Municipal Utility District (EBMUD), and Pacific Gas and Electric Company (PG&E) and obtained available maps and information. In addition, the architectural firm for Green City Lofts provided information it had obtained. This research provided information on the underground utility locations for low-pressure natural gas, fire and domestic water, high-pressure natural gas, electrical, storm sewers, sanitary sewers, telephone, and the main storm water interceptor. These utilities are shown on Figure 2. According to the maps Clayton obtained, the majority of the underground utilities are located between 3 and 4 feet below ground surface and no deeper utilities are located on the former Dunne Paint property.



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The utilities identified within Adeline Street between 41st and 40th Street are:

- High Pressure Natural Gas, 16-inch diameter, depth about 3-4 feet
- Water, 10-inch diameter, depth about 3-4 feet
- Low Pressure Natural Gas, 2-inch diameter, depth about 3-4 feet
- Underground Telephone, 4-inch diameter, depth about 3-4 feet
- Storm Drain, 18-inch diameter, depth about 5 to 6 feet
- Sanitary Sewer (encased), 12-inch diameter, depth about 7 to 8.5 feet
- Adeline Storm Water Interceptor, 48-inch diameter, depth about 18 feet

The utilities identified within 41st Street between Adeline and Linden Streets appear to be following:

- Sanitary Sewer, 6-inch diameter, depth about 5 to 7 feet
- Low Pressure Natural Gas, 2-inch diameter, depth about 3-4 feet
- Water, 4-inch diameter (possibly 2 lines), depth about 3-4 feet
- Underground Telephone, 4-inch diameter, depth about 3-4 feet

#### Sand and Gravel Areas

The subject property and vicinity are underlain primarily with fine-grain, low permeability clay and silt; however, in certain locations, distinct gravel areas have been encountered. During the recent construction of the basement for new development, distinct gravel areas at depths below the groundwater surface were encountered in the central (between borings B-17 and B-18) and the northern portions (near MW-D2) of the subject property and appeared to meander to the west. These gravel areas were encountered at depths of about 7 to 8 feet below the surrounding ground surface. The groundwater surface in the area primarily fluctuates between 6 and 9 feet below ground surface, with occasional fluctuations within 41<sup>st</sup> to within 5 feet of the ground surface. The sand and gravel in the northern area was light brown with angular gravel up to 1-inch in size. The sand and gravel area in the central portion of the subject property was gray to black in the upper portion and underlain by brown gravel up to 0.5 inch in diameter.



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As part of the extensive remedial activities undertaken at the site on behalf of Green City Lofts, the upper portions of the two, above-described encountered gravel areas were removed, with the gravel area in the central portion excavated and removed to the western property boundary. The width of the gravel area in the central portion of the subject property was about 6 to 10 feet; the width of the gravel in the northern portion is unknown and appears to extend off-site to the north. During the remedial activities, the entire area underlying the former Dunne Paint property, including the gravel areas, was excavated to remove material contaminated with mineral spirits in accordance with Alameda Health Care Services Agency requirements.

Over time, more than 60 borings have been drilled by various parties at locations on and around the subject property as shown on Figure 3. Lithologic logs for these borings are presented in Attachment A. As shown on the logs, fairly distinct sand and gravel zones were encountered below the groundwater surface in various areas of the subject property, including areas where the gravels were subsequently excavated and removed. In addition, to aid dewatering efforts for the remedial project, sand and gravel areas were specifically located for the installation of the extraction wells. As part of remedial activities, nearly 2,000,000 gallons of contaminated groundwater were extracted, treated, and discharged off-site. The sand and gravel areas encountered in the soil borings and extraction wells are shown on Figure 3. Except in the areas where the sand and gravel were excavated, the continuity of the sand and gravel areas is not known.

#### **Evaluation of Potential Preferential Pathways**

Clayton evaluated the potential for underground utilities and the sand and gravel areas to act as preferential pathways for groundwater migration. As noted above, sand and gravel areas underlying the subject property were exposed and inspected during the remedial activities. As part of the remedial activities at the subject property, nearly 2,000,000 gallons of groundwater were extracted and treated. The extraction wells were located within the sand and gravel areas at the subject property and were pumped at a relatively constant aggregate rate of 10 gallons per minute for nearly six months. This suggests that the primary groundwater flow at the subject property is within the sand and gravel areas rather than in the general fine-grained, low permeability clay and silt matrix, which predominates in the area, and which, by contrast, produces limited groundwater. The sand and gravel zones observed at the subject property appear to provide primary groundwater drainage in the area and may provide preferential drainage and migration from various properties, including up-gradient and nearby properties that drain to or are interconnected with other sand and gravel zones in the area.

Based on available depth to groundwater data collected within 41<sup>st</sup> Street and Adeline Street (wells CW-1, CW-2, and CW-3, MW-B2, MW-B3, and MW-B4), it appears that the groundwater surface primarily fluctuates between 6 and 9 feet below ground surface, with occasional fluctuations within 41<sup>st</sup> to within 5 feet of the ground surface. This



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suggests that only utilities with permeable backfills deeper than 5 feet below ground surface within 41<sup>st</sup> Street and Adeline Street have a potential to act as preferential pathways for groundwater migration. These deeper utilities may include the sanitary sewer, storm drain, and storm water interceptor in Adeline Street and the sanitary sewer in 41<sup>st</sup> Street. These utilities are shown on Figure 3.

The 18-inch diameter storm drain, which according to City of Emeryville drawings was installed around 1959, is situated between 5 and 6 feet below ground surface in Adeline Street. The drawings do not indicate whether permeable backfill was used to construct the storm drain. In any event, the storm drain is at a depth that would only occasionally have the potential to intercept groundwater. Furthermore, it is situated within the finegrain, low permeability soil and located above the more permeable sand and gravel zones that have been identified. Based on this information, the storm drain has only limited potential to act as a preferential pathway for groundwater.

The 48-inch storm water interceptor, according to EBMUD as-built records, was constructed around 1990 and has an invert depth of about 18 feet. The records show that trench plugs, presumably constructed of low permeability soil, were routinely placed in the annular space around the utility to prevent preferential groundwater migration within the backfill. This utility is below the groundwater surface and may intercept the sand and gravel zones at depth; however, trench plugs were designed to limit the ability of this utility to act as a preferential pathway for groundwater migration.

The sanitary sewer in Adeline Street was apparently installed around 1959 and has an invert depth in Adeline Street ranging from 7 to 8.5 feet below ground surface. This utility is within the apparent groundwater fluctuation zone and at a depth that could potentially encounter the identified sand and gravel zone. However, recent groundwater sampling data from monitoring wells located in known sand and gravel zones within Adeline Street indicate that no contaminated groundwater is migrating from the subject property. Therefore, there is little evidence that the sanitary sewer in Adeline is currently acting as a preferential pathway for contaminated groundwater emanating from the subject property.

The sanitary sewer in 41<sup>st</sup> Street is also at a depth that could act as a preferential pathway for groundwater migration. According to City of Oakland maps, the sanitary sewer in 41<sup>st</sup> Street flows to the east and to the west in the Oakland and Emeryville portions of the street, respectively. The sanitary sewer in 41<sup>st</sup> Street appears to be located up-gradient of the subject property, which gives it limited potential to act as preferential pathway for groundwater migration from the subject property. However, the sanitary sewer in 41<sup>st</sup> Street is located down-gradient of the former Boysen Paint Factory site (now owned by ONE Color) and groundwater analytical data in the vicinity of the sewer has shown elevated concentrations of mineral spirits. Therefore, this sewer could provide preferential migration of groundwater contamination from the former Boysen Paint site



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along the utility to the east and to the west and possibly to the sanitary sewers located in Adeline and Linden Streets.

In 1990, during the construction of the EBMUD interceptor, soil contamination was encountered in Adeline Street and removed as part of that project. Additional trench plugs were placed in that area. During the installation of monitoring well CW-2 in 2003, soil contamination was noted in the gravel zone at a depth of 8 feet. Furthermore, the now-excavated upper portions of the sand and gravel area (i.e. depths of 7 to 10 feet below surrounding ground surface) from the central portion of the subject property to the western boundary did show signs of elevated mineral spirits in the soil. As noted above, the contaminated soil on the subject property was removed as part of remedial activities in accordance with Alameda Health Care Services Agency requirements. This information suggests that the gravel zones or sanitary utilities may have historically acted as preferential pathways.

Groundwater within the sand and gravel areas is monitored in wells CW-2 and CW-1. Recent groundwater samples from these wells show no detectable concentration of mineral spirits following remediation of the subject property. Therefore, these sand and gravel zones no longer appear to be acting as preferential pathways for migration of contaminated groundwater originating at the subject property. However, sand and gravel zones, if present on or near the former Boysen Paint Factory property or in 41<sup>st</sup> Street, could act as preferential pathways.

We appreciate the opportunity to present this information. If you have any questions, please contact me at (925) 426-2676.

Sincerely,

Jon A. Rosso, P.E.

Director

Environmental Services

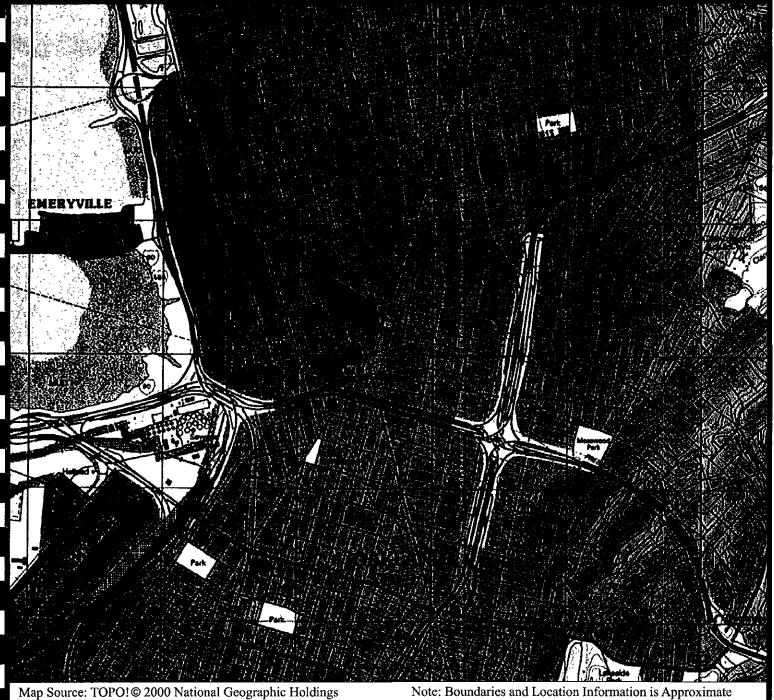
cc: Matt Oliver, Green City Lofts, LLC
Martin Samuels, Green City Lofts, LLC

Attachments

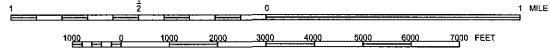
Figure 1, 2, & 3 Attachment A 6920 Koll Center Parkway Suite 216 Pleasanton, CA 94566 925.426.2600 Fax 925.426.0106



# **FIGURES**



Map Source: TOPO! © 2000 National Geographic Holdings



Portion of the 7.5-Minute Series Oakland West, California Quadrangle Topographic Map (Datum: NAD 27) United States Department of the Interior Geological Survey 1997

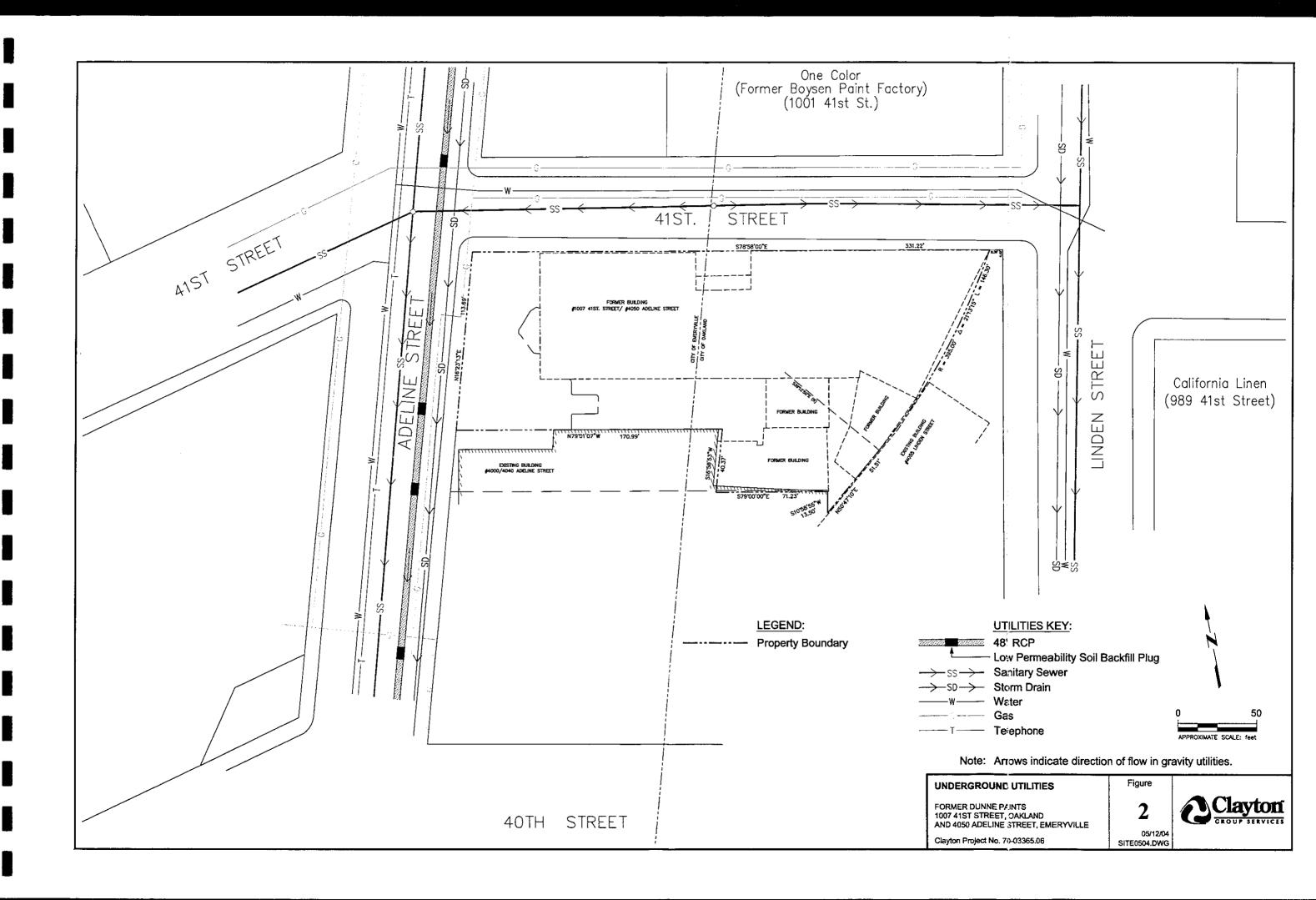


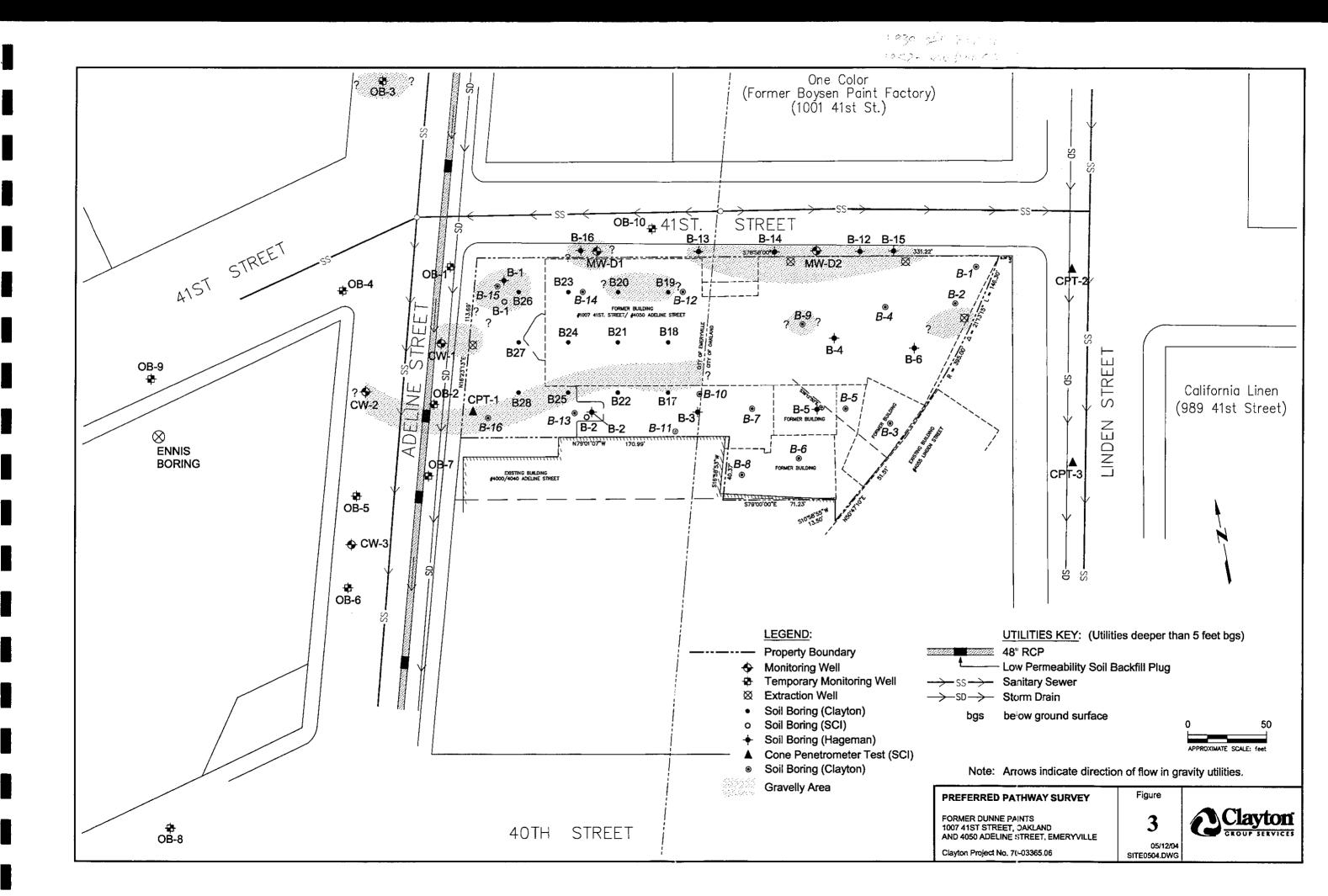


PROPERTY LOCATION MAP 1007 41st Street Emeryville/Oakland, California and 4050 Adeline Street Emeryville, California Clayton Project No. 70-03365.06

Figure

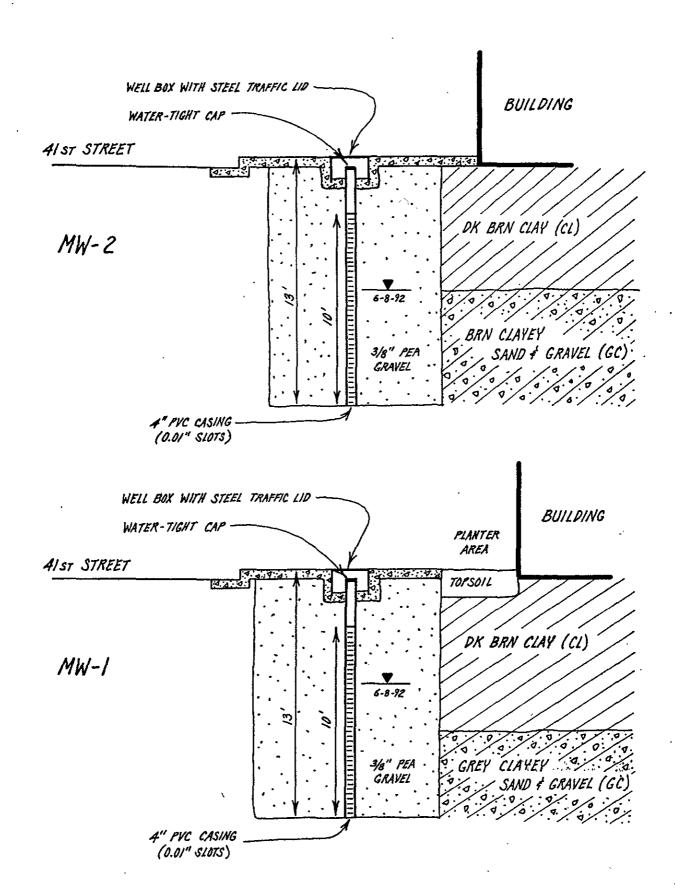








ATTACHMENT A
LITHOLOGIC LOGS



SCALE HORIZ: 1"=5' VERT: 1"=5'

FIGURE 1. Well Construction.

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|                            |                             |               |                  | Н              |               |                            |             |              |             |  |  |
| 1                          |                             | 1             | 7                | Н              |               |                            |             |              |             | PROFE                                  | SSION                                  |
|                            |                             |               | 8                | Н              |               |                            |             |              |             | ED Y H.                                | AGU                                    |
|                            |                             |               | ╛                |                |               |                            |             |              | 1/2         | CV.                                    | 130                                    |
|                            |                             |               | 9                |                |               |                            |             |              |             |  |  |
|                            |                             |               | _                | Ц              |               |                            |             |              | 12          | No. C                                  | 34262                                  |
|                            |                             |               | 0                | Ц              | ļ             |                            |             |              | XX.         |  | /                                      |
|                            |                             |               |                  | Ц_             |               |                            | <del></del> |              | 1/colo      |  | Jak                                    |
|                            |                             |               |                  |                |               |                            |             |              | • //        | 4 N C!!                                | m <i>**</i> **                         |
|                            |                             |               |                  | _              | ~ = -         | N - AGUIA                  | D 1114      | <u> </u>     |             | $\sim$                                 |  |

| ATION            | OF B              | ORING           |              |                  |  | PROJECT NAME & LOCATION  |
|------------------|-------------------|-----------------|--------------|------------------|--|--|
|                  |                   |                 |              |                  |  | FRANK W. DUNNE, 1007 41ST, OAKLAND   |
| ı                |                   |                 |              |                  |  | DRILLING METHOD: BORING  |
|                  |                   |                 |              |                  |  | 4" SOLID STEM AUGER B-3  |
|                  |                   |                 |              |                  |  | CME-45 DRILL RIG SHT   |
| S                | EE                | SITE            | · F          | $^{2}AA$         | 1  | SAMPLING METHOD: / of /  |
|                  | _                 | ٠, , ٣          | •            | , ,, ,           | •  | 2" SPLIT BARREL SAMPLER DRILLING   |
|                  |                   |                 |              |                  |  | WITH BRASS LINERS START FINISH WATER LEVEL TIME  |
|                  |                   |                 |              |                  |  |  |
|                  |                   |                 |              |                  |  | 1120 1220  |
|                  |                   |                 | S            | CALE:            | 1" =   |  |
|                  |                   |                 | Ι            | Т                | T  | SURFACE CONDITIONS:  |
| inches<br>DRIVEN | ž H               | BLOW            | ш            | 분ᇷ               | ٠,   | SURFACE CONDITIONS:  |
| ₹ ≩              | ี ซู้ ดี          | COUNT           | I I          | DEPTH<br>in feet | SOSO   |  |
| 흔늄               | inches<br>RECOVER | per<br>6 inches | -            | <u> </u>         | 🛎  |  |
|                  | 11.               | Unches          |              | <del> </del>     | <u>                                     </u> |  |
| ļĺ               |                   | [               | [            | 0                | 1  | CONCRETE (6")  |
|                  |                   |                 | <del> </del> | ┥╶┝              | ł  | RED BASEROCK   |
| . }              |                   |                 |              | 1 -              | -  |  |
|                  |                   | ļ               |              | ┥ ┝              | ł  |  |
|                  |                   | [               | }            | 2 -              | 1  | DK GREY CLAYEY SILT (ML), NEARLY DEY,  |
|                  |                   |                 | 1            | <b>∤</b> ∙ ┝     | {  | SLIGHTLY CRUMBLY, VERY DARK COLOR (WEARLY ALACK)   |
|                  |                   | }               |              | 3 -              | <del> </del>                                 | LOW TO MODERATE CLAY CONTENT   |
|                  |                   |                 | <u> </u>     | ┥┝               |  | (1/2 222)  |
| 18               | 16                | 3/3/4           | 1155         | 4                |  | (NO ODOR)  |
| 10               | 10                | 7-19            | <u>دد/۷</u>  | ו רו             | $\mu$  |  |
| }                |                   | ]               |              | 5                |  |  |
|                  |                   |                 |              | H                |  |  |
|                  |                   |                 |              | 6                | ٦  | SAME   |
| <del></del>      |                   |                 |              | ∮ H              |  | SAME, SOFTER, SLIGHTLY LIGHTER COLOR   |
| 18               | 15                | 3/4/4           | 1200         | 7                |  | SHOUT OFFICIENT ASSA   |
| <del>-``</del> - | <i>,</i> —        | 77              |              | •                | 4  | (SLIGHT PETROLEUM ODOR)  |
| 1                |                   |                 |              | 8                | 7  | DK GREY CLAY (CL), MODERATE PLASTICITY   |
|                  |                   | _ , ,           |              | 1 _H             |  | DK GREY CLAY (CL), MODERATE PLASTICITY, SLIGHTLY STIFF, DENSE  |
| 18               | 18                | 3/4/6           | 1210         | 9                |  | SCIUNILI SHIFF, VENSE  |
|                  |                   |                 |              | 1 🖪              | -  | (NO ODOR)  |
|                  |                   | İ               |              | 10H              |  |  |
|                  |                   |                 |              | 1 H              |  |  |
| 1                |                   |                 |              | ¹H               |  |  |
|                  |                   |                 |              | l "H             |  |  |
|                  |                   | :               |              | 2                |  |  |
|                  |                   |                 |              | 3 🛚              |  |  |
| -                |                   |                 |              | ן יון            |  | GREY BRN SILTY CLAY (CL), SLIGHTLY MOISTS  |
|                  |                   |                 |              | 4 🛚              |  | STIFF, VARIEGATED COLOR: LT BRN & AT GREY  |
| 1                |                   |                 |              | <b>"</b>         |  | THE STATE OF THE S |
|                  |                   |                 |              | 5 🗆              |  | (NO ODOR)  |
|                  |                   |                 |              | "                |  |  |
|                  |                   |                 |              | 6                |  | OGEFSCIA.  |
|                  | . 1               |                 |              | "                |  | EN THE ACTION  |
|                  |                   |                 |              | 7                |  | W. A. G. C.  |
|                  |                   |                 |              | '目               |  |  |
|                  |                   |                 |              | , H              |  | SAME SUGHTLY MOIST SOFT 18   |
|                  |                   | ļ               |              | 8                |  | No. 034262   |
|                  |                   |                 |              | 9                | i  | (NO ODOR)  |
|                  | İ                 | 1               | ļ            | a H              | 11.  | La la  |
|                  |                   |                 |              | <b>,</b> ,H      |  | The same of the sa |
|                  | Ì                 | 1               |              | 204              |  | TOTAL DEPTH = 19' BIS  |
|                  | 1                 |                 |              |                  |  | 1011 - 11 013  |

HAGEMAN - AGUIAR, INC.

| ON               | OF BO  | RING              |              |                  |            |               | PROJECT NAME &                        |  |              | <u> </u>                                      |               |                 |
|------------------|--|-------------------|--------------|------------------|------------|---------------|---------------------------------------|--|--------------|---|---------------|-----------------|
| _                |  |                   |              |                  |            | <u>i</u>      | PRANK W. I                            | DUNNE,                                 | 1007 4       | 15T, C  | BORING        |                 |
| ·                |  |                   |              |                  |            |               | 4" SOLID S                            | TEM A                                  | UGER         |   | B-            | 4               |
|                  |  |                   |              |                  |            | _             | CME-45 D                              |  | <u>G</u>     |   | SHT           |                 |
| <                | FF   | SITE              | P            | !AN              | 1          | F             | SAMPLING METHO<br>2" SPLIT &          |  | SALLO        | ED  |               | of /<br>.LING   |
|                  |  |                   |              |                  | •          | <br>          |                                       | SS LIA                                 |              | <u> </u>                                      | START         | FINISH          |
| •                |  |                   |              |                  |            | r             | WATER LEVEL                           | <u> </u>                               | 7273         |   | TIME          | TIME            |
|                  |  |                   |              |                  |            |               | TIME                                  |  |              |   | 1300          | 1330            |
|                  |  |                   |              | =                | 4.0        |               | DATE                                  |  |              |   | DATE          | DATE<br>6/10/92 |
| <b>,</b>         | r .  |                   | SC           | ALE:             | )" =       |               | CASING DEPTH                          | <u> </u>                               | SCREEN       |   | 110/92        | 110/92          |
| , z              | inches<br>RECOVER                                | BLOW              |              | T -              |            | SURFA         | CE CONDITIONS:                        |  |              |   |               |                 |
| ingras<br>DRIVEN | ا ق ق  | COUNT             | TIME         | DEPTH<br>In feet | SOSO       |               |                                       |  | -            |   |               |                 |
| 를<br>등           | 트입   | per<br>6 inches   | =            | 吕드               | l S        |               | · · · · · · · · · · · · · · · · · · · |  | <del></del>  |   |               | <del> </del>    |
| <b>-</b>         |  | 6 inches          |              | ļ                | -          | <u> </u>      | 00.100-                               |  |              | <u></u>                                       | <del></del>   | <del></del>     |
|                  |  |                   |              | 0-               | 1          | <del></del>   | CONCRE                                | / <u>F</u>                             |              |   |               |                 |
|                  | $\vdash$   |                   |              | ┨╶┞              | 1          | <del> </del>  | <u></u>                               |  |              | ,   |               |                 |
|                  | ]  |                   | }            | ▎▝├              | †          | <b></b> -     |                                       |  |              |   |               |                 |
|                  |  |                   | · · · · ·    | 2                | 7          | DX F          | RN CLAYEY                             | SILT                                   | ML), N.      | EARLY   | DRY           |                 |
|                  |  |                   |              | ] [              | ]          |               |                                       |  | CRUMBLY      |   |               |                 |
| ì                |  |                   |              | 3                | ١,         |               |                                       | <u>.</u>                               |              |   |               |                 |
| <u> </u>         |  |                   | <u> </u>     | <b> </b>         | 41         |               | (N                                    | ODDI                                   | ۲)           |   |               |                 |
| 18               | 15   | 4/4/5             | 1310         | 4                | <b>.</b>   |               |                                       |  |              |   | ···           |                 |
| / 0              | 13   | 1/1/3             | 1310         | 1 F              | H          |               |                                       | ······································ |              |   | <del> </del>  |                 |
|                  |  |                   |              | 5                | ┪╱╱        | <b></b>       |                                       |  | ····         |   |               |                 |
| <b>C</b>         |  |                   |              | 6                |            |               |                                       |  |              |   |               |                 |
| <b>.</b>         |  |                   |              | ] "[             | ]7         | GREY          |                                       | LT (ML                                 | SOFT         | <u>,                                     </u> |               |                 |
| /_               |  | 2/11/1            | 1000         | 7                | ]          |               | MODERATELY CA                         | AYEY.                                  | SUGHTLY      | CRUME   | YY            |                 |
| 18               | 16   | 3/4/4             | 1320         | 1                | ر ا        |               | <del></del>                           |  | <del>\</del> |   |               |                 |
| 1                |  |                   | ]            | 8                | -          | <u> </u>      | (NO                                   | ODOR                                   | ()           |   |               |                 |
|                  | ļ  | 4/-/-             | <del> </del> | ┨                | -{ }       | DK (          | REY SILTY                             | CIDU /                                 | 21) 511      | CHELL I                                       | Marca         |                 |
| 18               | 100  | 4/8/10<br>T SAMEE | 1325         | 9                | -{         | ت دما         | DENSE. STIP                           | - 67 ) ( C                             | ARIV RII     | ACK CA  | ICE           |                 |
| 10               | 705  | SHALL             | -            | ┪╻╻              | ┪ <b>┛</b> | <del></del> - | VENSE, SITE                           | 7 184-1                                | 11141 - 241  | 15/5  |               |                 |
| _                |  |                   | l            | 10               | <b>17</b>  | GREY          | SILTY CLAY                            | (CL).                                  | SLIGHTLY     | MOIST   | _             |                 |
| 10               |  | 9/11              | 1226         | 1                | ] ]        |               | CCASIONAL C                           | BARSE .                                | SAVD,        | STIFF   |               |                 |
| 18               | 18   | 8/10/15           | 1330         | 1 1              | 1          |               | <u> </u>                              | - A                                    | - 0 4 4 11   | 44 45   | <del> /</del> |                 |
|                  |  |                   | ľ            | 2                | 4          |               | (SDG)                                 | 17 PE                                  | TROLEU       | ri ODL  | <i>x</i> ,    |                 |
|                  | <del></del>                                      |                   | <del></del>  | ┥╶┝              | ┥          |               |                                       |  |              |   | <del></del>   |                 |
| ì                |  |                   |              | 3                | -          |               | TOTAL DEL                             | TH =                                   | 11/2' [      | 315   |               |                 |
| l                | †  | <del> </del>      |              | 1 <u>,</u> t     | 1          |               | <u> </u>                              | <u> </u>                               |              | <u> </u>                                      |               |                 |
| -                |  |                   | <u>L</u>     | 4                | j          |               |                                       |  |              |   |               |                 |
|                  |  |                   |              | 5                | ]          |               | , , , , , , , , , , , , , , , , , , , |  |              |   |               |                 |
|                  | <u> </u>   | <u> </u>          | ]            | ] [              | _          | <u></u>       |                                       |  | ROFESSIO     | <del></del>                                   |               |                 |
| •                |  |                   |              | 6                | 4          | ļ             |                                       |  | H AA         |   |               |                 |
| -                | <del> </del>                                     |                   | <del> </del> | ┥┝               | -          |               |                                       | -{\\$\\\$                              | H. AGU       |   | <del></del> - |                 |
|                  |  | }                 |              | 7                | -          | <del> </del>  |                                       | 181                                    |              | <del>~  {} </del>                             |               |                 |
|                  | <del>                                     </del> | }                 |              | ┪╶┞              | 1          | <del></del>   |                                       |  | lo. C-3426   |   |               |                 |
| 1                |  |                   |              | 8                | 1          |               | )                                     | W.\ "                                  |              |   |               |                 |
|                  |  |                   | 1            | 9                |            |               |                                       | Mal                                    |              | 11  |               |                 |
| -                |  |                   |              | _  [             |            |               | $\nearrow \forall$                    |  | CIVIC        |   |               |                 |
|                  |  | ļ                 |              | 0                | 4          |               | <u></u>                               |  | OF CALLY     |   |               |                 |
|                  | 1  | 1                 | 1            | 1 1              | 1          | 1             |                                       | W                                      |              |   |               |                 |

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| Ξ́Α | TION             | OF BO             | RING          |  |                    |             | PROJECT NAME & LOCATION   |
|-----|------------------|-------------------|---------------|--|--------------------|-------------|---|
| ľ   | •                |                   |               |  |                    |             | FRANK W. DUNNE, 1007 4/ST, OAKLAND DRILLING METHOD: BORING                          |
|     |                  |                   |               |  |                    |             | 4" HAND SAMPLER B-5   |
|     | . سے             | <b></b>           |               | <u>~.</u>  |                    |             | SHT   |
|     | 51               | ==                | SITE          | PL   | AN                 |             | SAMPLING METHOD: / of /  Z" SPLIT BARREL SAMPLER DRILLING                           |
|     |                  |                   |               |  |                    |             | WITH BRASS LINERS START FINISH  |
| 1   |                  |                   |               |  |                    |             | WATER LEVEL         TIME         TIME         TIME           TIME         1330 1465 |
|     |                  |                   |               |  |                    |             | DATE DATE DATE  |
|     |                  |                   |               | SU   | ALE:               | 1" =        | CASING DEPTH SCREEN \$/10/92 6/10/92  |
| _   | S Z              | es<br>KER         | BLOW<br>COUNT | ш  | 돌팔                 | S           | SURFACE CONDITIONS:   |
| Í   | inches<br>DRIVEN | inches<br>RECOVER | per           | TIME   | DEPTH<br>In feet   | SSS         |   |
|     |                  | <u> </u>          | 6 inches      |  | ļ <sub>1</sub>     | ļ           | CONCRETE  |
|     |                  |                   |               |  | 0                  | 1           | CONCRETE  |
|     |                  |                   |               |  | 1                  |             |   |
| -   |                  |                   |               | <del> </del>                                     | 2                  | 1           | DK BRN CLAYEY SILT (ML), DRY, DENSE   |
|     |                  |                   | <del></del>   |  | *                  |             |   |
|     |                  |                   |               |  | 3                  | 1           | (NO ODOR)   |
| Ì   | 6                | 6                 |               | 1255   | 4                  |             |   |
|     | 0                | 0                 |               | 1355   | 1 1                | 1           |   |
| 4   |                  | 1                 |               |  | 5                  | _           |   |
|     |                  |                   |               |  | 6                  | ┨           |   |
| _   |                  |                   |               |  | 7                  | ]           | GREY CLAYEY SILT (ML), VERY MOIST,  |
|     |                  |                   |               | ļ  |                    | <b>]</b> -7 | LOW CLAY CONTENT  |
| 7   | 6                | 6                 |               | 1405   | 8                  |             | (SLIGHT PETROLEUM ODOR)   |
|     |                  |                   | **            |  | 9                  | -           |   |
| ď   |                  |                   |               | <del> </del>                                     | ا <sub>م</sub> , ا | 1           |   |
|     |                  |                   |               | ļ  | 10                 | ]           | TOTAL DEPTH = 8 BLS   |
| Į   |                  |                   |               |  | 1                  | 1           |   |
|     |                  |                   |               |  | 2                  | ]           |   |
|     | <u></u>          |                   |               | <del> </del>                                     | 3                  | -           |   |
|     |                  |                   | ,             | 1  |                    | ]           |   |
| Ī   |                  |                   |               |  | 4                  | -           | NOFESSION .   |
| Ţ   |                  |                   |               | 1  | 5                  | 1           | STATI H. AOUIL CA   |
| Ú   |                  |                   |               | <del>                                     </del> | ┨ .                | -           | S STATE !   |
| Ĩ   |                  |                   |               |  | 6                  | 1           | 9   |
|     |                  | <u> </u>          |               |  | 7                  | -           | No. C-34262   |
|     |                  | <u> </u>          |               | 1  | 8                  | 1           | Carrie Carrie   |
|     |                  |                   |               | <del> </del>                                     | ┨                  | 4           | OF CALL   |
|     |                  |                   |               |  | 9                  | _           |   |
|     |                  |                   |               |  | 0                  | ]           |   |

HAGEMAN - AGUIAR, INC.

|            | ATION:           | 05.55             | 20110  |             | · · · · ·        |                | DPC I          | CT NAME &        | COATION                               |                                       |   |                   |                |
|------------|------------------|-------------------|--|-------------|------------------|----------------|----------------|------------------|---------------------------------------|---------------------------------------|---|-------------------|----------------|
| <b>,</b> C | NOITA            | OF BC             | HING   |             |                  |                |                |                  |                                       |                                       |   |                   |                |
|            |                  |                   |  |             |                  |                |                | IK W. D          | V/Y/VE,                               | IUUT 4                                | 137, 0  | YIK LAI           | VD UY          |
|            |                  |                   |  |             |                  |                | Z''            | HAND AL          | ICED                                  | <u> </u>                              |   | BORING            |                |
|            |                  |                   |  |             |                  |                | 7              | CHINE MI         | JUEN                                  |                                       | <del></del>                                       | SHT               | 2              |
|            |                  | SFF               | SITE   | · P         | LAX              | J              |                | ING METHOD       |                                       | <del></del>                           |   | - 1               | of /           |
|            |                  |                   |  | •           | ang (1           | 7              | 2"             | SPLIT BY         | RREL                                  | SAMPLE                                | ٤   |                   | LING           |
| -          |                  |                   |  |             |                  |                | $\perp w_{ij}$ | H BRAS           | S LINE                                | RS                                    |   | START             | FINISH         |
|            |                  |                   |  |             |                  |                | WAT            | ER LEVEL         |                                       |                                       |   | TIME              | TIME           |
|            |                  | ,                 |  |             |                  |                | <b> </b>       | TIME             |                                       |                                       |   | 1405              | 1420           |
|            |                  |                   |  | SC          | ALE:             | 1" =           | CVEIN          | DATE<br>IG DEPTH |                                       | SCREEN                                | <del></del>                                       | DATE              | PATE<br>/10/02 |
| Ž,         |                  | ~                 | Di Ott                                       | T           | <u> </u>         | <del>1 -</del> | SURFACE COI    |                  |                                       | SUMEEN                                |   | 110/92            | 110/02         |
|            | E S              | es<br>  KEE       | BLOW<br>COUNT                                | <u> ш</u>   | ₹ ₩              | 1 0            | JOHEAUE COI    | ADDITIONS:       |                                       |                                       |   |                   |                |
|            | inches<br>DRIVEN | inches<br>RECOVER | per  | TIME        | DEPTH<br>In feet | nscs           |                |                  |                                       |                                       |   | _ <del></del> ,   |                |
| •          |                  | =                 | 6 inches                                     | '           | <del>  -</del>   | =              |                |                  |                                       |                                       |   |                   |                |
| Ţ          |                  |                   |  |             | Ţ                |                |                | CONCR            | TE                                    |                                       | ·   | ···               |                |
|            |                  |                   |  | <u> </u>    | 아                | ]              |                |                  | - / h                                 |                                       | <del></del>                                       | •                 |                |
| ا و        |                  |                   |  |             | 1                | ]              |                |                  |                                       |                                       | ~   |                   |                |
|            |                  |                   |  |             |                  |                |                |                  |                                       |                                       |   |                   |                |
|            |                  |                   |  | ]           | 2                | 4              | No. 100 =      | A . A ! ?-       |                                       |                                       |   |                   |                |
|            |                  | <b></b>           | <del></del>                                  | ļ           |                  | -              | DK GRE         | CLAYE            | Y SI                                  | T, su                                 | CHTLY   | MOIST             | ,              |
|            | 1                |                   |  |             | 3                | -              | NEAR           | LY BLAC          | K COL                                 | OR                                    |   |                   |                |
| -          |                  |                   |  |             |                  | 1              |                | (NO              | ODOR                                  | <del>}</del>                          |   |                   | ·              |
| انهٔ       | 6                | 6                 | <u>.                                    </u> | 1415        | 4                | h              |                | (140             | OWK                                   | J                                     | <del></del>                                       |                   |                |
|            |                  |                   |  |             | 5                | ]_             |                |                  | <del></del>                           |                                       | <del></del>                                       |                   |                |
|            |                  |                   |  |             |                  | ]              |                |                  |                                       |                                       |   |                   |                |
| اي         | 1                |                   |  |             | 6 -              | 1              |                |                  |                                       |                                       |   |                   |                |
|            |                  |                   |  |             |                  | Ь              | CALE           |                  |                                       |                                       |   |                   |                |
| 7          | 6                | 6                 |  | 1420        | 7                | ٢              | SAME, I        | 101ST            |                                       | ···                                   |   |                   |                |
|            |                  |                   |  | <del></del> | <b> </b>         | ١.             | 12             | INERAL           | CDIDIT                                | ~ ANA                                 | <b>P</b>  |                   |                |
|            |                  |                   |  |             | 8 -              | 1              | 1.2            | 114-14-16        | -3//5//                               | <u> </u>                              | <u> </u>  |                   |                |
|            |                  |                   |  |             | 9                | ]              |                | <del></del>      |                                       |                                       |   |                   |                |
|            |                  |                   |  |             |                  |                |                |                  |                                       |                                       |   |                   |                |
|            |                  |                   |  |             | 10               |                | TOT            | AL DEP           | TH =                                  | 7' BLS                                | 3   |                   |                |
| 4          |                  |                   |  |             | <br>             |                |                | ·                |                                       |                                       |   |                   |                |
|            | }                |                   |  | ]           | 1                |                |                |                  |                                       | · · · · · · · · · · · · · · · · · · · |   |                   |                |
|            |                  |                   |  |             | H                |                |                |                  |                                       | <u> </u>                              |   |                   |                |
|            |                  |                   |  |             | 2                |                |                |                  |                                       |                                       | - ··  | ·                 |                |
|            |                  |                   |  |             | 3                |                |                |                  |                                       |                                       |   |                   |                |
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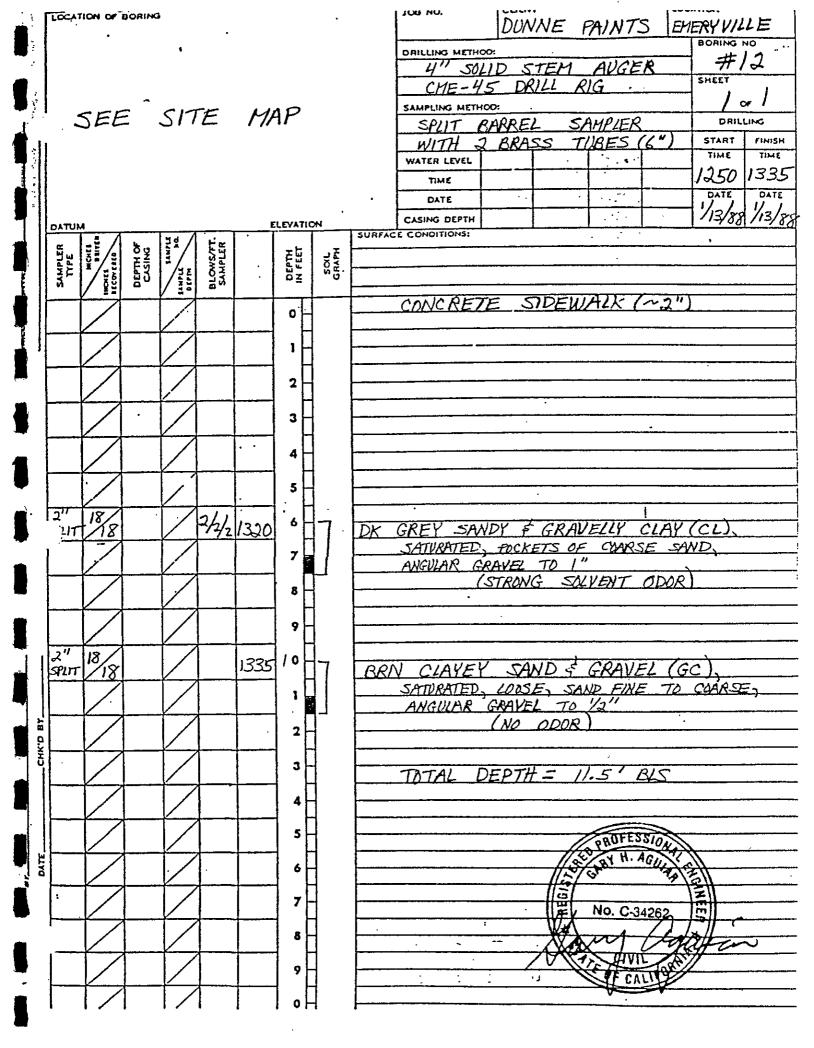
HAGEMAN - AGUIAR, INC.

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| ì        | ייב<br>ב <i>וחל</i> ב | 12/                     |                    | /            | 5/12                          | 1525         | 6        | 1,     | Ì                   | DK CREY CLAY (CL). WEARLY DRY. STIFF.  |                        |
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|          | 24511<br>3.1          | 12                      |                    |              | 19,0                          | 1535         | 10       | +7     | ŀ                   | BRN CLAYEY GRAVEL (GC), SATURATED.   | $\left  \cdot \right $ |
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| <b>3</b> .     | SE       | E  | S              | ITE                                   |  | 44                                     | <br>ن | SPLIT BARREL SAMPLER I DRILLING  |
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| SALVALE TO THE |          | DUTHO  |                | BLOWS/FT<br>SAMPLER                   | TIME   | N FEET                                 |       | The second of th |
|                | /        |  |                | 1                                     |  | 0                                      |       | CONCRETE SAME CONCRETE   |
| 3.00           | /        | 3. 2   |                | i.e                                   | 100  | •                                      |       | これが、これが、これをは、これをは、通知がなったのは、他のは、これが、これはない。<br>これが、これが、これは、これをは、これをは、通過などを表現が必然がある。<br>これが、これは、これは、これをは、これをは、これが、これが、これが、これが、これが、これが、これが、これが、これが、これが   |
|                | /        | 14.4   |                | 1                                     | 1189 T   | 2                                      |       | を という なって なって こうかん まんな 大学 ない ない ない ない ない ない ない ない ない ない ない ない ない   |
|                | /        | 10 40<br>10 10<br>10 br>10 10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>1 |                | 1979<br>11 2 100                      | Yes Right  | 3                                      | ]     | ・ シェルンのは、 またであり、 自然を対象が、 できない はいかいが、 は、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、  |
|                |          | 2.   | /:             | 1. 75<br>2.57                         | .43<br>-, 3,4  | 4                                      | 1     | - 12 42 1 44 では、全部は、全部は、大学では、大学の主義のできます。 14 42 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1   |
| į              |          |  | /:             | 7                                     | 100 mg 1 mg 1 mg 1 mg 1 mg 1 mg 1 mg 1 m               | 5                                      | 1     |  |
| .P1)T          | 12/12    |  | _              | 3/6                                   | 1680   | 3 E                                    | 17    | DK GREY CLAY (CL), NEARLY DRY, NEARLY BLACK, HARD, ANGULAR   |
| 1              |          | ~ 1  | /              | 1                                     | 7  | 7                                      |       | (NO ODOR)  |
|                | <u>/</u> | 7.   |                | ŧ .                                   | 5.5  | 8                                      |       | (NO ODOX)  |
| 2"             | 77/      |  |                | <br>o/                                |  | 9                                      | 1     |  |
| SPUT .         | /12      |  |                | 9/12                                  | 1615   | 10                                     |       | GREY CLAYEY SAND (SC), STIF, OCCASIONAL GRAYEL TO 1/2"   |
|                |          |  |                |                                       |  | 2                                      | ]     | (NO ODOR)  |
|                |          |  |                |                                       |  | 3                                      |       |  |
|                |          | }  | $\overline{/}$ |                                       |  | 4                                      |       | TD = II' RIS .   |
|                |          |  |                |                                       |  | 5                                      | 1     |  |
| S <sub>C</sub> |          |  |                |                                       |  | 6                                      |       | PROFESSION   |
| 1              |          | ĺ  |                |                                       |  | 7                                      | 1     | S SART III AGUING C  |
|                |          |  |                |                                       |  |  |       | No. C34262   |
|                |          |  |                |                                       |  | 9                                      |       | All System   |
|                |          |  | Λ              |                                       |  | 0                                      | 1     | Jac Mily   |



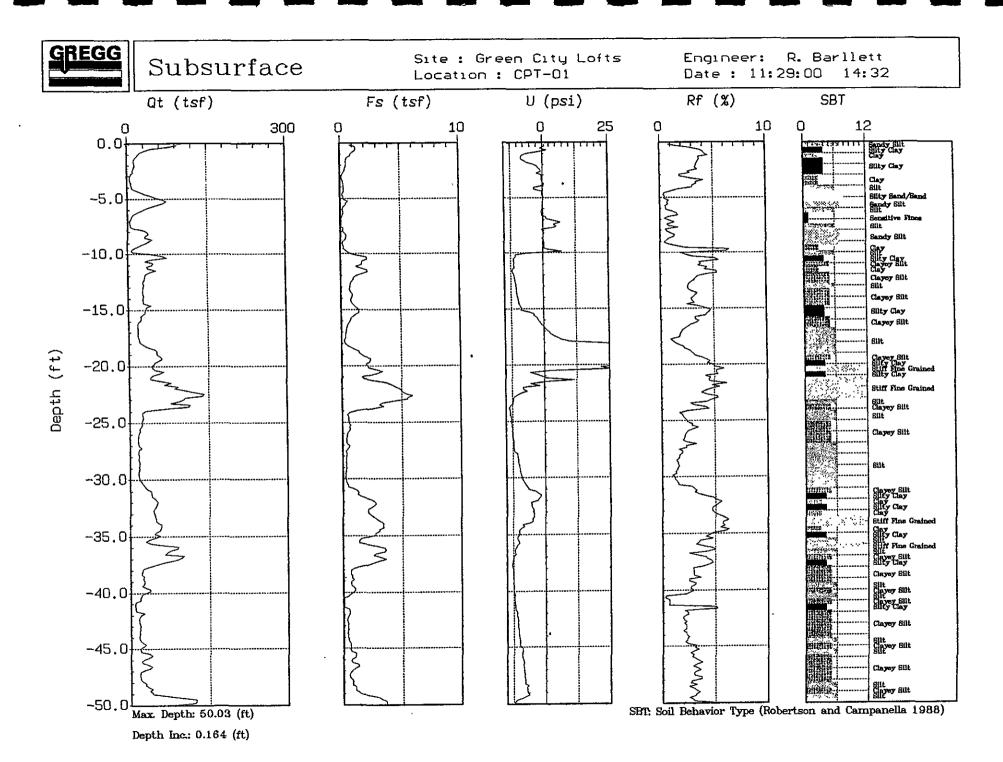
|                |   |                               |                  |                  |                        |   |                                       |                                 |                            | She                        | et 1                    | of      | 2               |
|----------------|---|-------------------------------|------------------|------------------|------------------------|---|---------------------------------------|---------------------------------|----------------------------|----------------------------|-------------------------|---------|-----------------|
| Proje          | ct Na   | ame &                         | Locat            |                  | 4050 A                 | City Lofts<br>deline St.  |                                       | Ground Surface E                |                            | 46.4' fe                   | et                      |         |                 |
|                |   |                               |                  |                  | Emery                  | ville and Oakland, Califo   | mia                                   | Elevation Datum:                | City of O                  | akland                     |                         | ·       |                 |
| Drillin        | ng Co   | ordina                        | ites:            |                  |                        |   |                                       | Start: Date                     | Time                       |                            | inish: Da               | te      | Time            |
| Dellie         | <u> ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ </u> | mpan                          |                  |                  | ırveyed                | <u> </u>  |                                       | 11/17/00                        | 08:25                      | ļ                          | 11/1                    | 7/00    | 11:45           |
|                |   |                               |                  |                  |                        | ea Exploration, Jeff  |                                       | Drilling Fluid:                 |                            | Н                          | ole Diam                |         |                 |
| Rig T          | ype   | & Drilli                      | ng Me            | thod             | :<br>CME 7             | 75 / Hollow Stem Auger  |                                       |                                 |                            | {                          | 3"                      |         |                 |
| Samp           | oler  | A) Mo                         | odified          | Cali             | fomia (3<br>, 1.4" l.i | 3" O.D., 2.5" I.D.)   |                                       | Logged By:                      |                            | 끃                          | Level D                 | uring ! | Drilling .      |
|                |   |                               |                  |                  | <u>-</u>               |   | <del></del>                           | NTB                             |                            | ¥                          | <del></del>             |         |                 |
| Samp<br>Meth   | pling<br>od(s)                                  | A) 1<br>B) 1                  | 140 lb<br>140 lb | auto             | maticall<br>maticall   | y tripped hammer w/30"<br>y tripped hammer w/30"  | drop<br>drop                          | Backfill Method:                |                            | ,                          |                         | Date:   |                 |
| - 1            |   | l.,                           | y)               | T=               | <u> </u>               |   | OU DECODIÈ                            | Grout                           |                            |                            |                         | 1/17/0  | <del></del>     |
| et)            | ype   | ches                          | Inche            | terva            |                        | <u> </u>  | OIL DESCRIP                           | TIONS                           |                            | L/                         | ABORA                   | TOF     | RY DATA         |
| , Depth (feet) | Sampler Type                                    | Blows/6 inches<br>of Pressure | Blows/12 inches  | Sample Interval  | Graphic<br>Log         | GROUP NAME (GRO color, consistency/den moisture condition, otl (Local Name or Mater                           | sity,<br>her descriptions             | -                               | -                          | Moisture<br>Content<br>(%) | Dry<br>Density<br>(pcf) |         | Other           |
| 0 -            | A   | 3<br>5<br>7<br>3              | 12               |                  |                        | ASPHALT - 8 inches thick<br>BASE ROCK - 4 INCHES '<br>SILTY CLAY with SAND (<br>brown, medium stiff to stiff, | THICK<br>CL-ML)                       |                                 |                            |                            |                         | - 1- A  |                 |
| -              | _   | 3 4                           | 7                | X                |                        | FAT CLAY with SAND (C)<br>dark brown, medium stiff, n   | H)<br>noist                           |                                 |                            |                            |                         |         |                 |
| 5 -            | A   | 8<br>11                       |                  |                  |                        | LEAN CLAY with SAND (0<br>olive-green, very stiff, mois   | CL)<br>it, with gravel, gasolin       | te odor                         |                            | 17.8                       | 110                     | L       | L = 25, Pl = 9  |
| 10             | В   | 20 4 4 5 5                    | 9                |                  |                        | SILTY, CLAYEY SAND (Sigreenish gray with reddish  LEAN CLAY with SILT an yellowish brown, medium s            | brown staining, loose<br>d SAND (CL)  | e, moist                        |                            |                            |                         |         |                 |
| 16 -           | A   | 4<br>4<br>6<br>4<br>8<br>13   | 10<br>19         |                  |                        | CLAYEY SILTY SAND (SO yellowish brown, loose to m increasing sand and gravel                                  | edium dense, moist                    |                                 | Ā                          | 24.5                       | 102                     | TXL     | JU = 1216 (994) |
| 20 -           | Α   | 8<br>11<br>25                 | 36               |                  | 70000C                 | POORLY GRADED GRAV<br>reddish brown, medium dei<br>sandstone, serpentinite and                                | nse, wet, sub-rounde                  |                                 | vith                       | ,                          |                         |         |                 |
| 25 -           | A   | 11<br>14<br>22                | 36               |                  | )00000X                | increasing day content  |                                       |                                 |                            |                            |                         |         |                 |
| -              |   |                               |                  |                  |                        |   |                                       |                                 | •                          |                            |                         |         |                 |
| 30 -           | ·   |                               |                  |                  | 777,                   | Continued   | · · · · · · · · · · · · · · · · · · · |                                 | . 1 . 4 .                  | l<br>                      | I .                     | <br>    |                 |
| Q(             | ΥT  | 0                             | nhar             | apfa             | ነው ሲ                   | nsultants, Inc.   | Em                                    | Green City<br>neryville and Oak | / Loπs<br><u>dand, C</u> a | liforni                    | 3                       |         | BORING          |
| M              |   | G<br>G                        | ieotech          | II I.d<br>inical | LUU UU<br> & Envir     | nonmental Engineers   | JOB NUMBER                            |                                 |                            |                            | DATE                    |         | B-1             |
|                |   | <u> </u>                      |                  |                  |                        |   | 1316.001                              |                                 |                            |                            | 12/00                   |         |                 |

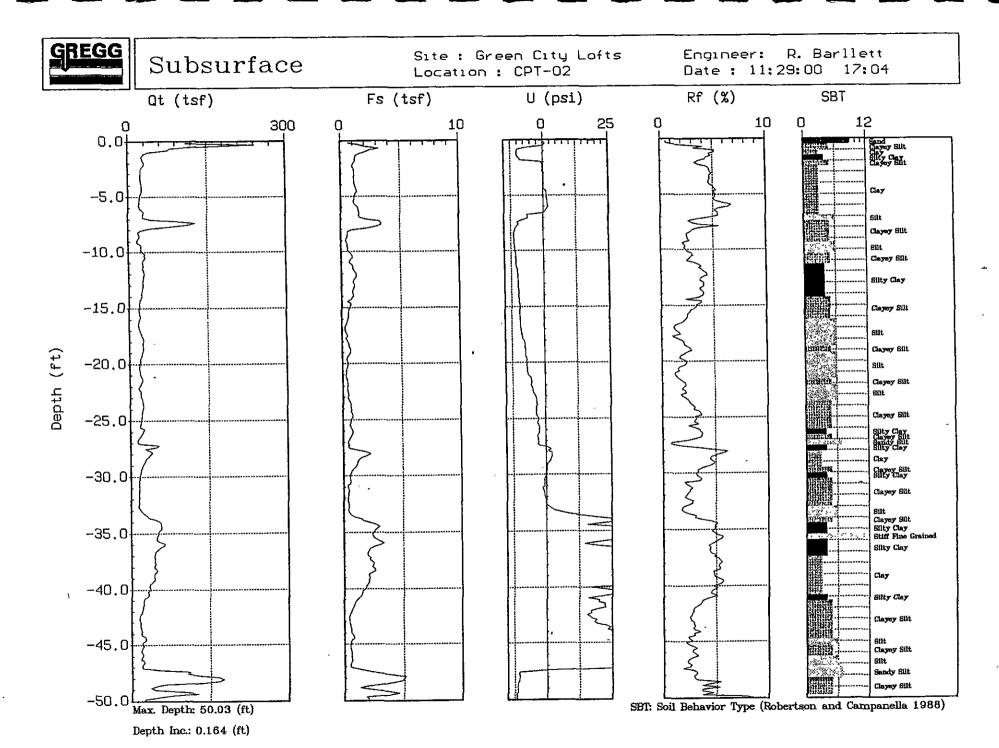
| Project Name & Location: Green City Lofts 4050 Adeline St. Emeryville and Oakland, California  Logged By: NTB  SOIL DESCRIPTIONS  LAI                                  | BOP^                    |                  |
|--|-------------------------|------------------|
| NTB  | BOP^                    |                  |
| SOIL DESCRIPTIONS LAI  | BOP^                    |                  |
|  |                         | TORY DATA        |
| <u> </u>   | Dry<br>Density<br>(pcf) | Other            |
| reddish brown, medium stiff, wet   | ,                       |                  |
| gravel layers  |                         |                  |
| 5 - A 4 4 7 11 22  | 105                     | TXUU = 907 (1699 |
| SANDY LEAN CLAY (CL) mottled olive-gray, reddish brown, very stiff, wet  |                         |                  |
| POORLY GRADED GRAVEL with SAND (GP) reddish brown, medium dense, wet, sub-rounded gravel (size ranging from 1/4" to 2"), with sandstone, feldspare and chert fragments |                         |                  |
| 5 - A 4 7 20 27 - O O O  |                         |                  |
|  |                         |                  |
| A 19 22 14 36 LEAN CLAY with SAND and GRAVEL. (CL) vellowish brown, very stiff, wet, with fine gravel  |                         |                  |
| 55 -   |                         |                  |
|  |                         |                  |
| 50 -   |                         |                  |
|  |                         |                  |
| -<br>35 -  |                         |                  |
|  |                         |                  |
|  |                         |                  |
| Green City Lofts  Subsurface Consultants, Inc.  Subsurface Consultants, Inc.  Subsurface Consultants, Inc.   | a<br>DATE               | BORING B-1       |

## Sheet 1 of 2

|   |  |                               |                 |                 |                   |   | ·                                |                                      |                                       | She                 | <u>eet 1</u>                  | of       | 2               |  |
|---|--|-------------------------------|-----------------|-----------------|-------------------|---|----------------------------------|--------------------------------------|---------------------------------------|---------------------|-------------------------------|----------|-----------------|--|
| Projec  | t Na                                   | me &                          | Locati          |                 | 4050 A            | City Lofts<br>deline St.  |                                  | Ground Surface Elevation: 50.7' feet |                                       |                     |                               |          |                 |  |
|   |  |                               |                 |                 | Emery             | ille and Oakland, Californi   | ia                               | Elevation Datum:                     | City of O                             | akland              | _                             |          |                 |  |
| Orillin   | a Ca                                   | ordina                        | tos.            | <del></del>     |                   |   |                                  | Start: Date Time Finish: Date        |                                       |                     |                               |          | Time            |  |
| <u> </u>  | y CO                                   | Utullia                       | n               | ot su           | rveyed            | <u></u>   |                                  | 11/17/00                             | 00:00                                 |                     | 11/17/00 00:00                |          |                 |  |
| Drillin   | g Co                                   | mpany                         | / & Dri         | ller:           | Bay Ar            | ea Expioration, Jeff  |                                  | Drilling Fluid:                      | 00.00                                 | Н                   | lole Diam                     |          | 00.00           |  |
| Rig T   | уре 8                                  | & Drilli                      | ng Me           | thod:           |                   | T. L. L. H Chang Assess   |                                  |                                      |                                       | 8"                  |                               |          | ,               |  |
| Same  | lor                                    | A\ 84c                        | dified          | Calif           |                   | 75 / Hollow Stern Auger<br>" O.D., 2.5" I.D.)   |                                  | Logged By:                           |                                       |                     | 8"<br>¥ Level During Drilling |          |                 |  |
| Type  | (s):                                   | B) SP                         | T (2"           | Ö.D.,           | 1.4" 1.1          | D.)   |                                  | NTB                                  |                                       | 3                   |                               | uring D  | ıllılığ         |  |
| Samp  | ling                                   | A) 1                          | 140 lb          | auto            | matical           | y tripped hammer w/30" d  | lrop                             | Backfill Method:                     | · · · · · · · · · · · · · · · · · · · |                     |                               | Date:    |                 |  |
| Method(s): B) 140 ib automatically tripped hammer w/30" o |  |                               |                 |                 |                   | y tripped hammer w/30" d  | irop                             | Grout                                | <del></del>                           |                     | 1                             | 1/17/00  |                 |  |
|   | æ                                      | ies                           | thes            | ryal            |                   | sc  | OIL DESCRIP                      | TIONS                                |                                       | L                   | ABORA                         | TOR      | Y DATA          |  |
| Depth (feet)  | Sampler Type                           | Blows/6 inches<br>of Pressure | Blows/12 inches | Sample Interval | Graphic<br>Log    | GROUP NAME (GROU color, consistency/dens moisture condition, other (Local Name or Materia | ity,<br>er descriptions          |                                      |                                       | Moisture<br>Content | Dry<br>Density<br>(pcf)       |          | Other           |  |
| υ-  | S                                      | 80 0                          | 1 8             | 100             | 888               | CONCRETE - 8-inch thick size  | ab                               |                                      |                                       |                     |                               |          |                 |  |
| -   | ·A                                     | 4 4                           |                 |                 |                   | SILTY CLAY with SAND (C<br>black, medium stiff, moist, wi                                 | CL-ML)<br>ith trace of gravels a | an roots, slight hydrocarb           | oon ordor                             |                     |                               |          |                 |  |
| _   | В                                      | 6                             | 10              |                 | 78                | (和)   |                                  |                                      |                                       |                     |                               |          |                 |  |
|   |  | 2 2 3                         | 5               |                 |                   | LEAN CLAY with SAND (CI<br>black, medium stiff to very st                                 | L)<br>tiff, moist, slight hyd    | rocarbon odor                        |                                       | -                   |                               | ļ        |                 |  |
| 5 -   |  |                               |                 |                 |                   |   |                                  |                                      |                                       | 26                  | 92                            |          | = 48, Pl = 26   |  |
| <u> </u>  | A                                      | 4 4 7                         | 11              |                 |                   |   |                                  |                                      |                                       |                     |                               | TXU      | IU = 989 (504)  |  |
| -   |  |                               |                 |                 |                   |   |                                  |                                      |                                       |                     |                               | ļ<br>1   |                 |  |
| -   |  |                               |                 |                 |                   |   |                                  |                                      |                                       |                     |                               | ļ        |                 |  |
| -   |  |                               |                 |                 |                   |   |                                  |                                      |                                       |                     |                               |          |                 |  |
| 10 -  | A                                      | 5<br>8                        |                 |                 |                   |   |                                  |                                      |                                       |                     |                               |          |                 |  |
|   | В                                      | 13<br>4<br>6                  | 21              | П               |                   |   |                                  |                                      |                                       | 21.3                | 105                           | TXU      | U = 2205 (806)  |  |
| } -   |  | 12                            | 18              |                 |                   |   |                                  |                                      |                                       | Ì                   |                               |          |                 |  |
| -   |  |                               |                 |                 | 111               | LEAN CLAY WITH SAND (C  | iL)                              | harry some alles majore              | eleana                                |                     |                               | ļ        |                 |  |
| 15 -  | A                                      | 9                             |                 |                 |                   | mottled yellowish brown, oliv<br>hydrocarbon odor   | ve-gray, and reddist             | n brown, very sun, moist,            | strong                                | 17.4                | 112                           | TXU      | IU = 4450 (979) |  |
| ·   | 1                                      | 12<br>20                      | 32              |                 |                   |   |                                  |                                      |                                       |                     |                               |          |                 |  |
|   |  |                               |                 |                 |                   |   |                                  |                                      |                                       |                     |                               | İ .      |                 |  |
|   |  |                               |                 |                 |                   |   |                                  |                                      |                                       |                     |                               |          |                 |  |
| 20 -  |  | 9                             |                 |                 |                   |   |                                  |                                      |                                       |                     |                               |          |                 |  |
|   | <b>^</b>                               | 11 17                         | 26              |                 |                   | has little to no hydrocarbon  | odor at 21 feet                  |                                      |                                       |                     |                               |          |                 |  |
|   | 1                                      |                               |                 |                 |                   | 1   |                                  |                                      |                                       |                     |                               |          |                 |  |
| '   | 1                                      |                               |                 |                 |                   |   |                                  |                                      | Ž                                     | 7                   |                               |          |                 |  |
|   | 1                                      |                               |                 |                 |                   | 3   |                                  |                                      |                                       |                     |                               |          |                 |  |
| 25  | 1 4                                    | 5 7                           |                 |                 |                   | 1   |                                  |                                      |                                       | İ                   |                               |          |                 |  |
|   |  | 15                            | 22              |                 |                   | 1   |                                  |                                      |                                       |                     |                               |          |                 |  |
|   | -                                      |                               |                 |                 |                   | 3   |                                  |                                      |                                       |                     |                               |          |                 |  |
| 25<br>30  | -                                      |                               |                 | ]               |                   | 3   |                                  |                                      |                                       |                     |                               |          |                 |  |
|   |  | 1_                            | <u> </u>        |                 | 777               | Continued   |                                  | Green Ci                             | ty Lofte                              | •                   |                               | •        | BORING          |  |
|   | VII.                                   | 1                             | Onko            | mof             | ann f             | Consultants, Inc.   | E <sub>r</sub>                   | neryville and Oa                     | kland, C                              | aliforr             | nia                           | ·        |                 |  |
|   |  |                               | DUUN<br>Geotei  | UIII<br>chnic   | .ŒUÜ \<br>al & Em | VINCENTIAL Engineers  | JOB NUMBER                       | ₹                                    |                                       |                     | DAT                           |          | B-2             |  |
| 31  | Geotechnical & Environmental Engineers |                               |                 |                 |                   |   | 1316.001                         |                                      |                                       | 12/0                | 0                             | <u> </u> |                 |  |

|                      |              |                               |                 |                 |                |   |  |                       |                          | She                        | et 2  | of 2                                   |
|----------------------|--------------|-------------------------------|-----------------|-----------------|----------------|---|--|-----------------------|--------------------------|----------------------------|-------|--|
| Proje                | ect Na       | ame &                         | Locat           | ion:            | 4050 A         | City Lofts<br>deline St.  |  | Start Date:           | 11/17/00                 |                            |       |  |
|                      |              |                               |                 |                 | Emery          | ville and Oakland, Califo   | omia<br>                                     | Logged By:            | NTB                      |                            |       |  |
| Ç.                   | <u>ф</u>     | thes                          | ches            | erval           |                | S   | OIL DESCRIP                                  | TIONS                 | o-marit                  | L/                         | ABORA | TORY DATA                              |
| පූ Depth (feet)<br>- | Sampler Type | Blows/6 inches<br>of Pressure | Blows/12 inches | Sample Interval | Graphic<br>Log | GROUP NAME (GRO<br>color, consistency/der<br>moisture condition, ot<br>(Local Name or Mater | nsitv.                                       | 1                     |                          | Moisture<br>Content<br>(%) |       |  |
| -                    | A            | 8<br>11<br>16                 | 27              |                 |                |   |  |                       |                          | 23.5                       | 104.5 | LL = 42, PI = 24<br>TXUU = 2550 (1570) |
| -<br>35 -            | A            | 5                             |                 |                 |                | LEAN CLAY with SAND a<br>reddish brown, medium sti  | and GRAVEL (CL)  Iff to stiff, wet, with sub | -rounded gravel       |                          |                            |       |  |
| -                    | ^            | 5<br>6<br>4<br>7<br>10        | 12<br>17        | !               |                |   |  |                       |                          |                            | ٠     |  |
| 40 -<br>-            | А            | 7<br>12<br>18                 | 30              |                 |                | LEAN CLAY with SAND (<br>reddish brown, very stiff, re                                      | CL)<br>noist                                 |                       |                          | 22                         | 106.7 | TXUU = 1993 (1944)                     |
| 45 -                 |              |                               |                 |                 |                | CLAYEY SAND (SC)<br>mottled reddish brown, oliv   | re-gray, medium dense                        | e to dense, wet       |                          |                            |       |  |
| 50 -                 | A            | 9<br>26<br>23                 | 49              |                 |                | POORLY GRADED GRAV  | /EL with CLAY and S                          | AND (GP-GC)           | rae un to 1 <sup>m</sup> |                            |       |  |
| 55                   |              |                               |                 |                 |                |   |  | VII.GEO XI EV () (312 |                          | ,                          |       |  |
| 60<br>               |              |                               |                 |                 |                |   |  |                       |                          |                            |       |  |
| 65 +<br>-            |              |                               |                 |                 |                |   |  |                       |                          |                            |       |  |
|                      |              |                               |                 |                 | <u></u>        | * *   | F  | Green                 | City Lofts               | alife '                    |       | BORING                                 |
| KY                   |              | Į                             | ubsi            | ırfa            | ace Co         | ensultants, Inc.  | JOB NUMBER                                   | eryville and          | Oakland, C               | aurornia                   | DATE  | B-2                                    |
| 107                  | IJЦ          | G                             | eotech          | nnica           | ıı & Envir     | onmental Engineers  | 1316.001                                     |                       |                          |                            | 12/00 |  |

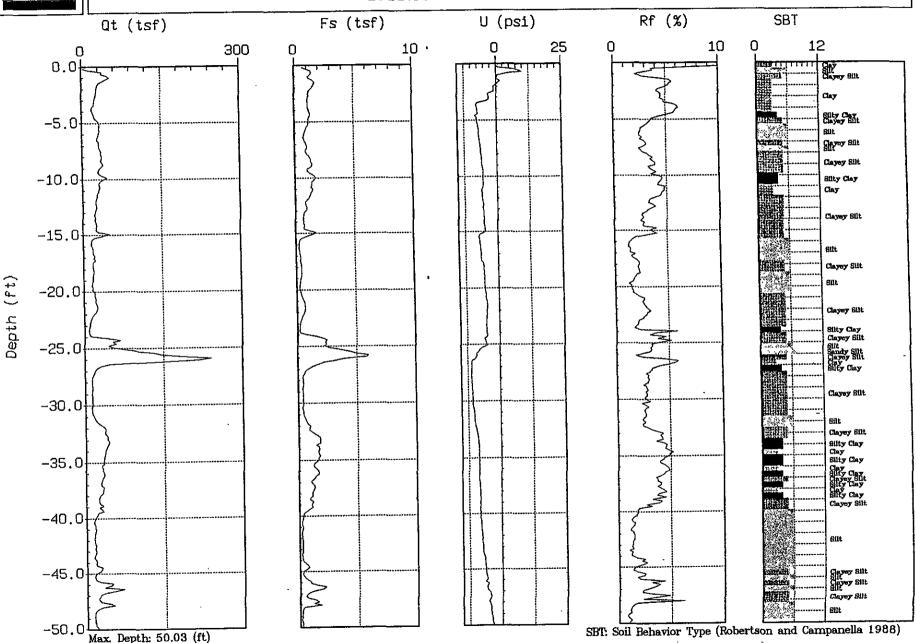






Subsurface

Site: Green City Lofts Location: CPT-03 Engineer: R. Barllett Date: 11:29:00 17:39



Depth Inc.: 0.164 (ft)

|                            | Clay!  | EX          | PL   | ORAT                      | OG OF              | BORING          | CLIENT: _<br>LOCATION<br>LOGGED I     |                 | OFTS, LLC<br>DF                        | TE: 11/5/0         |             | BORING<br>B-<br>Sheet<br>of            | -1          |
|----------------------------|--|-------------|--|---------------------------|--------------------|-----------------|---------------------------------------|-----------------|--|--------------------|-------------|--|-------------|
| ADEUNE                     |  |             |  | ST STREET                 | -<br>● B           | LINDEN STREET   |                                       | stallation Data |  | Hole Dia           | .: 2 INCH   | 1                                      |             |
|                            | <br>1d Elev.                                     | •           |  |                           | Datum:             | I               |                                       |                 |  |                    | •           |  |             |
|                            |  | <u> </u>    | T <sub>e</sub>                                   | <del> </del>              | T                  | Water Level     |                                       |                 |  | T                  | T           |  |             |
| Drilling                   | PID  | 0           | Sam  | Soil<br>Group             | Litho-             | Time            |                                       | -               |  |                    |             |  |             |
| Drilling<br>Rate<br>FT/MIN | OVA  | p<br>t<br>h | P  | Group<br>Symbol<br>(USCS) | graphic<br>Symbol  | Date            |                                       |                 |  |                    |             |  |             |
|                            | <u> </u>   | L           | e  |                           |                    |                 |                                       | DE              | SCRIPTION                              |                    |             |  |             |
|                            |  |             |  | СТ                        | XXXXX              | CONCRETE        |                                       |                 |  |                    | ~ ~         |  |             |
| ļ                          | ļ  | 1 -         |  |                           |                    | CLAY, OLIVE GRA | 4Y, DRY, SOME                         | ROOTLETS, N     | IO ODOR                                |                    |             |  |             |
| <b></b>                    | <u> </u>   | '           | $\times$   | 4                         |                    | J               |                                       |                 |  | ······             |             |  |             |
|                            | 0.0  | 2-          |  | -                         |                    | J               |                                       |                 |  |                    |             |  |             |
| <u></u>                    | ļ  | ļ -         |  | CL                        |                    | <b> </b>        |                                       |                 |  |                    | ·           |  |             |
| <b></b>                    | ļ  | 3-          |  |                           |                    | <b></b>         |                                       |                 |  |                    | ***         |  |             |
|                            | ļ  | -           | <u> </u>   | 4                         |                    | <del></del>     | <del></del>                           |                 | ······································ |                    |             |  |             |
| <u> </u>                   | 0.0  | 4 –         | ├—   | ļ                         | <i>Y////</i>       | OALADI E NOT DI | ריטיינטבט                             |                 | <del></del>                            |                    |             |  |             |
| ,                          | <del> </del>                                     | ┨           |  | -                         | ] '                | SAMPLE NOT RE   | ECUVERED                              | <del></del>     |  | <del></del>        |             |  |             |
| <u> </u>                   | <del>                                     </del> | 5 -         | $\triangleright$                                 | <del> </del>              | <del>  /////</del> | CLAY, BLACK, DF | OV NO ODOR                            |                 |  |                    |             | <del></del>                            |             |
|                            | 1.4  | 4           | $\sim$   | 4                         |                    | CLAT, BLACK, DI | II NO ODOLI                           |                 |  | <del>*</del>       |             | <del></del>                            |             |
| <del></del>                | 1.7  | 6-          |  |                           |                    | <del> </del>    |                                       | <del></del>     |  |                    | <del></del> |  |             |
|                            | <del> </del>                                     | 1           |  | 1                         |                    |                 | <del></del>                           | ,,, ,           | <del></del>                            |                    |             | <del></del>                            |             |
|                            | <del> </del>                                     | 7 -         | <del> </del>                                     | 1                         | (///               |                 |                                       |                 |  |                    |             |  |             |
|                            | 0.0  | 1           |  | CL                        | 1///               |                 |                                       |                 |  | <del></del>        |             | <del></del>                            |             |
|                            |  | 8-          | <del>                                     </del> | J 5"                      | 1///               | GREEN, DRY, PE  | TROLEUM OD                            | OR              |  |                    |             |  |             |
|                            | <del> </del>                                     | 1,          |  | 1                         |                    |                 | · · · · · · · · · · · · · · · · · · · | -               |  | <del></del>        |             | -                                      |             |
|                            | 1  | 9-          | $\overline{}$                                    | 1                         |                    | -               |                                       |                 |  |                    |             |  |             |
|                            | 3.1  | 1,,         |  | 1                         |                    |                 |                                       |                 |  |                    |             |  | <del></del> |
|                            | <u> </u>   | 10-         |  | 1                         |                    |                 |                                       |                 |  |                    |             |  |             |
|                            |  | 1,,_        | $\boxtimes$                                      |                           | 1///               |                 |                                       |                 |  |                    |             |  |             |
|                            |  | 111-        |  |                           |                    |                 |                                       |                 | FUSAL AT 11 F                          |                    |             |  |             |
|                            |  | 12-         |  |                           | '                  |                 |                                       | TOTAL DEP       | TH OF BORING                           | 3 = 11 FT.         |             |  |             |
| <u></u>                    |  | ''          | <u> </u>   | _                         | '                  |                 |                                       |                 |  |                    |             |  |             |
|                            | <u> </u>   | 13-         |  | 4                         |                    | ļ               |                                       | No Grour        | <u>ıdwater E</u>                       | .ncounter          | <u>ed</u>   |  |             |
|                            | <u> </u>   | "           |  | ļ                         | !                  |                 |                                       |                 |  | <del></del>        |             |  |             |
| ļ                          | <u> </u>   | 14-         |  | -                         | ,                  | <b> </b>        |                                       |                 | ·····                                  |                    |             |  |             |
| <u></u>                    | <del> </del>                                     | ļ · ·       |  | 4                         | '                  | <del> </del>    |                                       |                 |  | ,                  | <del></del> | <del> </del>                           |             |
|                            | <del> </del>                                     | 15-         |  | -                         | '                  | <del> </del>    |                                       |                 | <del></del>                            | <del></del>        |             |  |             |
| <u> </u>                   | <del> </del>                                     | -           |  | }                         |                    |                 |                                       |                 |  |                    | ·           |  |             |
| -                          | <del>                                     </del> | 16-         | <del> </del>                                     | }                         | '                  | <u> </u>        |                                       |                 |  |                    |             |  |             |
| -                          |  | -           |  | 1                         | '                  | <del> </del>    |                                       |                 |  |                    |             |  | <del></del> |
| <del> </del>               | <del> </del>                                     | 17-         |  | 1                         | '                  | <del> </del>    |                                       |                 |  | ****************** |             | ······································ | <del></del> |
| <b></b>                    | <del>                                     </del> | -           |  | 1                         | '                  | f               |                                       | <del></del>     |  |                    | *****       |  |             |
|                            |  | 18-         | <del>                                     </del> | Í                         | '                  | <del></del>     | <del></del>                           |                 |  |                    | <del></del> |  | ********    |
| <del> </del>               | <del> </del>                                     | 1 '         | $\vdash$   | <b>†</b>                  | '                  |                 |                                       |                 |  |                    |             |  |             |

|                            |            | EX         | PL   | ORAT                      | G OF                        | BORING          | PROJECT<br>CLIENT: _<br>LOCATION<br>LOGGED E | BORING NO. B-2 Sheet 1 of 1           |               |  |   |
|----------------------------|------------|------------|--|---------------------------|-----------------------------|-----------------|--|---------------------------------------|---------------|--|---|
| Field                      | iocatio    | пот        |  | Ing:<br>TSTREET           |                             |                 | Drilling Me                                  | thod: GEOP                            | KUBE          | Hole Dia.: 2 INC                       | CH  |
| W                          |            |            |  |                           |                             | 7.              | Casing Ins                                   | tallation Data                        | a:            |  |   |
| ADELINE                    |            |            |  |                           | ● B-                        | 1 % LL 1        |  |                                       |               | `                                      |   |
| ı                          |            |            |  |                           |                             | SE N            |  | <del></del>                           |               |  |   |
| Groun                      | d Elev.    | :          | <del>                                     </del> | r                         | Datum:                      |                 |  |                                       | r             | r                                      |   |
| <b></b>                    |            | D          | Sa   | Soil                      | 1 :25-                      | Water Level     |  | ·                                     |               |  |   |
| Drilling<br>Rate<br>FT/MIN | PID<br>OVA | p          | m p  | Group<br>Symbol<br>(USCS) | Litho-<br>graphic<br>Symbol | Date            |  |                                       |               |  |   |
| FI/MIN                     |            | h          | e  | (ÚSCS)                    | Symbol                      | Date            | L  | lDE                                   | SCRIPTION     |  |   |
|                            |            | -          |  | CT                        | ××××                        | CONCRETE        |  |                                       |               |  |   |
|                            | 48.6       | 1 -        |  |                           | 7777                        | CLAY, BLACK, DI | RY, PETROLEU                                 | M ODOR                                | -             |  |   |
|                            |            | ] '        |  |                           |                             |                 |  |                                       |               |  |   |
|                            |            | 2-         |  |                           |                             |                 |  |                                       |               | ······································ |   |
| <b>***</b>                 |            | -          | L-,  |                           |                             |                 |  |                                       |               |  |   |
|                            | 58.2       | 3 -        | X  |                           |                             |                 |  |                                       |               |  |   |
|                            | <u>.</u>   | l          |  |                           |                             |                 |  | <del></del>                           |               |  |   |
| <b> </b>                   |            | 4 -        |  |                           |                             |                 |  |                                       |               |  | <del>, , , , , , , , , , , , , , , , , , , </del> |
| <b> </b>                   | 24.2       |            | <del> </del>                                     |                           |                             |                 |  |                                       | , <u>,,</u> , |  |   |
|                            | 24.2       | 5-         | $\nabla$   |                           |                             | · · · · · ·     |  |                                       | ····          |  |   |
|                            |            | ,          |  |                           |                             |                 |  |                                       | <del></del>   |  |   |
|                            | 101.4      | 6 -        |  |                           |                             |                 |  |                                       |               |  |   |
|                            |            | 7 -        |  |                           |                             |                 |  |                                       |               |  |   |
| <u> </u>                   |            |            |  |                           |                             |                 |  |                                       |               |  |   |
| <b>}</b>                   | 25.1       | <b>8</b> − |  | CL                        |                             |                 |  |                                       |               |  |   |
| <b> </b>                   |            | İ          |  | OL.                       |                             | ·····           |  |                                       |               | <del></del>                            |   |
| <b></b>                    |            | 9 -        |  |                           |                             |                 |  | t                                     |               |  |   |
| <u> </u>                   | 29.2       |            |  |                           |                             |                 |  |                                       |               |  |   |
|                            | 20.2       | 10-        |  |                           |                             | GREEN, DRY, STI | RONG PETROL                                  | EUM ODOR                              | <del></del>   |  |   |
|                            | 45.1       | ],,_       |  |                           |                             |                 |  |                                       |               |  |   |
|                            |            | 11-        |  |                           |                             |                 |  |                                       |               |  | -   |
|                            |            | 12-        | <u> </u>   |                           |                             |                 |  |                                       |               |  |   |
|                            |            | '-         | <u> </u>   |                           |                             |                 |  |                                       |               |  |   |
| <b> </b>                   |            | 13-        | <b> </b>   |                           |                             |                 |  | · · · · · · · · · · · · · · · · · · · |               |  |   |
|                            | 151.6      |            | <b> </b>   |                           |                             |                 |  | <del> </del>                          | ,,,,,,,,      |  | <u></u>   |
|                            | 151.6      | 14~        |  |                           |                             |                 |  |                                       | <del></del>   |  |   |
| 1                          |            | 1          |  |                           |                             | GRAVELLY        | <del></del>                                  | `                                     |               | <del></del>                            |   |
|                            |            | 15-        |  |                           |                             |                 |  |                                       |               | ~                                      |   |
|                            |            | 16-        | $\boxtimes$                                      |                           |                             |                 |  |                                       |               |  |   |
|                            |            | 10"        |  |                           | ,                           |                 |  | TOTAL DEP                             | TH OF BORING  | = 16 FT.                               |   |
| <u></u>                    | ļ          | 17-        |  |                           |                             |                 |  |                                       | <del> </del>  | <u> </u>                               |   |
| <b> </b>                   |            | ¨          |  |                           |                             |                 |  | No Groui                              | ndwater E     | ncountered                             |   |
|                            |            | 18-        | -  |                           |                             |                 |  |                                       |               | <del> </del>                           |   |
| <b></b>                    |            |            |  |                           |                             |                 |  | <del></del>                           |               |  |   |

|                            | Clay   | EX          | rs<br>(PL  | ORAT             | G OF   | BORING          | CLIENT: _<br>LOCATION<br>LOGGED I     | BY:JE             | LOFTS, LI   | DATE: 11,<br>C<br>DRILLER: |                                       | BORING NO.  B-3  Sheet 1  of 1         |
|----------------------------|--|-------------|------------|------------------|--------|-----------------|---------------------------------------|-------------------|-------------|----------------------------|---------------------------------------|--|
| ADELINE<br>STREET          |  | - O         |            | TOUS:            | ● B-3  | LINDEN          |                                       | thod: <u>GEOP</u> |             | Hole                       | Dia.: _2 INC                          | H                                      |
|                            | !<br>id Elev                                 | .:          |            |                  | Datum: | į.              | l                                     | <del></del>       |             |                            | <del></del>                           |  |
|                            |  | D           | Sam        | Soil<br>Group    | Litho- | Water Level     |                                       |                   |             |                            |                                       |  |
| Drilling<br>Rate<br>FT/MIN | PID<br>OVA                                   | p<br>t<br>h | P          | Symbol<br>(USCS) |        | Date            |                                       |                   | <del></del> | _                          | <del></del>                           |  |
|                            |  | <u>  "</u>  | ė          | (0000)           |        |                 |                                       | DE                | SCRIPT      | ION                        |                                       |  |
|                            |  | 1           |            | CT               | k××××  |                 |                                       |                   |             |                            |                                       |  |
|                            | 0.0  | - 1 -       | <u> </u>   | , ;              |        | CLAY, SOME GR.  | AVEL, BROWN                           | , DRY, NO ODO     | OR          |                            |                                       |  |
| <b> </b>                   |  | <u> </u>    | _          | , ,              |        | <del>/</del>    |                                       |                   | ···         |                            | · · · · · · · · · · · · · · · · · · · |  |
| <u> </u>                   | <u>                                     </u> | - 2 -       | $\vdash$   | , ;              |        |                 |                                       |                   |             | ·                          | <del></del>                           |  |
|                            |  | 1           |            | CL               |        | <del>/</del>    |                                       |                   |             | ···                        |                                       |  |
| <del></del>                |  | - 3         |            |                  |        | <del>/</del>    | ····                                  | ··                |             |                            |                                       | ······································ |
|                            | 0.0  | 1,          | <u> </u>   | 1 2              |        | <del>/</del>    | <del></del>                           |                   |             |                            |                                       | <del></del>                            |
|                            |  | - 4         | <u> </u>   | 1 2              |        | <del>/</del>    | · · · · · · · · · · · · · · · · · · · |                   |             |                            |                                       |  |
|                            |  | ]<br>  5 -  |            |                  |        | 7,              |                                       |                   |             |                            |                                       | ····································   |
|                            |  | ] "         |            | 7                | 2272   | SAMPLE NOT RE   | COVERED                               |                   |             |                            |                                       | · · · · · · · · · · · · · · · · · · ·  |
|                            |  | 6-          |            |                  |        |                 |                                       |                   |             |                            |                                       |  |
|                            |  | ľ           |            |                  |        |                 |                                       |                   |             |                            |                                       |  |
|                            |  | 17-         |            |                  | 2222   |                 |                                       |                   |             |                            |                                       |  |
|                            |  | -           | $\bowtie$  |                  |        | CLAY, GREEN, DE | RY, PETROLEUI                         | M ODOR            |             |                            | <del> </del>                          | · · · · · · · · · · · · · · · · · · ·  |
|                            | 0.0  | -8 ∤        |            |                  |        |                 |                                       |                   |             |                            |                                       |  |
|                            |  | -           |            |                  |        |                 |                                       |                   |             |                            | <del></del>                           |  |
|                            |  | 9-          | $\searrow$ |                  |        |                 |                                       |                   |             |                            |                                       |  |
|                            | 5.7  | ĺ.,         |            |                  |        |                 | <u> </u>                              | ·                 |             |                            | <del></del>                           | ····                                   |
|                            | <u> </u>                                     | 10-         |            |                  |        | BLACK           |                                       |                   |             |                            |                                       |  |
|                            |  | 1           |            |                  |        |                 |                                       |                   |             |                            |                                       | ,                                      |
|                            |  | 11-         |            |                  |        |                 |                                       |                   |             |                            |                                       |  |
|                            | 13.9   | 12-         |            | CL               |        | GREEN, PETROLI  | UM ODOR                               |                   |             |                            |                                       |  |
|                            |  | 12          |            |                  |        |                 |                                       |                   |             |                            |                                       |  |
|                            |  | 13-         | $\geq$     |                  |        | <del></del>     |                                       |                   |             | -                          |                                       |  |
|                            |  |             |            |                  |        |                 |                                       |                   |             |                            | <del></del>                           |  |
|                            | 2.4  | 14-         |            |                  |        |                 |                                       |                   |             |                            |                                       |  |
|                            |  |             |            |                  |        |                 | <del></del>                           |                   |             |                            |                                       |  |
|                            | -  | 15-         | -          |                  | ////   |                 |                                       |                   |             | <del></del>                |                                       |  |
|                            | •  |             | -          |                  |        |                 |                                       |                   |             | <del></del>                |                                       |  |
|                            | ···  | 16-         |            |                  | (///   |                 | <del></del>                           | TOTAL DEPT        | H OF BOI    | RING = 16 FT.              | <del></del>                           | ····                                   |
|                            |  | ا جاد       | $\dashv$   |                  | ŀ      |                 |                                       |                   |             |                            | <del></del>                           |  |
|                            |  | 17-         |            |                  | -      |                 |                                       | No Groun          | dwate       | r Encount                  | tered                                 | ,                                      |
|                            |  | 10_         |            |                  |        |                 |                                       |                   |             |                            |                                       |  |
|                            |  | 18-         |            |                  | Ī.     |                 |                                       |                   |             |                            | <del></del>                           |  |
|                            |  |             |            |                  | ľ      |                 |                                       |                   |             |                            |                                       |  |

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|                            | Clay   | EX           | <br>  PL  <br> | ORAT                              | G OF<br>ORY I     | BORIN                                  | IG                                     | PROJECT NO.:         70-03365.01         DATE:         11/4/02         BORIN           CLIENT:         GREEN CITY LOFTS, LLC         B           LOCATION:         Sheet           LOGGED BY:         JE         DRILLER:         ECA         of |  |                                       |                                       |                 |                                       |              |
|----------------------------|--|--------------|----------------|-----------------------------------|-------------------|--|--|--|--|---------------------------------------|---------------------------------------|-----------------|---------------------------------------|--------------|
| Field                      | iocatio  | n of         |                | ing:<br>TSTREET                   |                   |  |  | Drilling Me  | thod: <u>GEOP</u>                      | ROBE                                  | Hala Dia                              | . O INCL        | 1                                     |              |
| ADELINE                    |  | <u> </u>     |                |                                   | ● B-4             | LINDEN                                 | <b>X</b>                               | Casing Ins   | tallation Data                         | 1:                                    | Hole Dia                              | .: <u>2 INC</u> | ]                                     |              |
|                            | ı<br>id Elev.                                    | .:           |                |                                   | Datum:            | 1                                      |  |  |  | ·                                     |                                       | ,               |                                       | <del></del>  |
|                            |  | D            | s              | Call                              |                   | Water L                                |  |  |  |                                       |                                       |                 |                                       |              |
| Drilling<br>Rate<br>FT/MIN | PID  | e<br>p<br>t  | a<br>m<br>p    | Soil<br>Group<br>Symbol<br>(USCS) | Litho-<br>graphic | Time                                   |  | <del></del>  | ļ                                      |                                       |                                       | ļ               |                                       | •            |
| FT/MIN                     | OVA  | h            | P              | (ÚSCS)                            | graphic<br>Symbol | Date                                   |  |  | 05                                     | CCDIDTION                             | <u> </u>                              |                 |                                       |              |
| <u> </u>                   |  | $\vdash$     | <u> </u>       | CT                                | k X X X X         | CONCRET                                | re                                     |  | DE                                     | SCRIPTION                             |                                       |                 |                                       |              |
| <del></del>                |  | ┪,           | H              | <u> </u>                          | ////              |  | <del></del>                            | RY, NO ODOR  | <del></del>                            |                                       |                                       |                 |                                       |              |
|                            |  | 1 -          | $\vdash$       |                                   |                   |  |  | ,  |  |                                       | · · · · · · · · · · · · · · · · · · · |                 |                                       |              |
|                            | 0.0  | 2 -          |                |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
|                            |  | ] ' [        |                |                                   |                   |  |  |  | · · · · · · · · · · · · · · · · · · ·  |                                       |                                       |                 |                                       |              |
| <u> </u>                   | ļ  | <b>∤</b> 3 - | $\bowtie$      |                                   |                   |  |  |  |  |                                       |                                       |                 | · <del></del>                         |              |
| ļ                          |  | - I          |                |                                   |                   |  |  |  |  | * **                                  |                                       |                 |                                       |              |
|                            | <u> </u>   | 4 -          |                |                                   |                   |  |  |  | <del></del>                            |                                       | <del></del>                           |                 |                                       | <del></del>  |
|                            | 0.0  | 1            |                |                                   |                   | <del></del>                            |  | <del></del>  | · · · · · · · · · · · · · · · · · · ·  |                                       |                                       |                 |                                       |              |
|                            | 0.0  | 5 -          |                |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
|                            | <del> </del>                                     | 1            | X              |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       | <del></del>  |
|                            |  | 6-           |                |                                   |                   |  |  |  |  |                                       |                                       |                 | 7 70 74 1.1                           |              |
|                            | 0.0  | 7 -          |                |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
|                            |  | '            |                |                                   |                   | BLACK, M                               | 101ST, 1                               | NO ODOR  |  |                                       |                                       |                 |                                       | <del> </del> |
|                            |  | -8           |                | CL                                |                   |  | ······································ | ··· • • • • • • • • • • • • • • • • • •  |  |                                       |                                       |                 | <del></del>                           |              |
|                            | 0.0  |              |                |                                   |                   |  | <del></del>                            | * * * * * * * * * * * * * * * * * * *  | ······································ |                                       |                                       |                 |                                       |              |
|                            | 0.0  | 9-           |                |                                   |                   | ······································ | ·                                      | * -,   | <del> </del>                           |                                       | · · · · · · · · · · · · · · · · · · · | <del></del>     |                                       | <del></del>  |
| <b> </b>                   | <del> </del>                                     | 1            | X              |                                   |                   | GREEN, S                               | TRONG                                  | PETROLEUM  | ODOR                                   |                                       |                                       | · <del></del>   |                                       |              |
|                            | 55.3   | 10-          | Z3             |                                   |                   | <del></del>                            |  | <del></del>  | <del></del>                            |                                       |                                       |                 | · · · · · · · · · · · · · · · · · · · |              |
|                            |  | 11-          |                | 8                                 |                   | BROWN, I                               | MOIST,                                 | PETROLEÚM  | ODOR                                   |                                       |                                       |                 |                                       | *****        |
| ******                     |  |              |                |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
| <del></del>                | 3.1  | 12-          |                |                                   |                   |  |  | <del></del>  |  | · · · · · · · · · · · · · · · · · · · |                                       |                 |                                       | <del></del>  |
| <u></u>                    |  | -            |                |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
| <u> </u>                   |  | 13-          |                |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
|                            | 0.0  | 1            |                |                                   |                   | <del></del>                            |  |  | <del></del>                            |                                       |                                       |                 | ····                                  |              |
|                            | 0.0  | 14-          | _              |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
|                            |  | 1,_          |                |                                   |                   |  |  |  |  |                                       | <u> </u>                              |                 |                                       |              |
|                            |  | 15-          |                |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
|                            | 0.0  | 16-          |                |                                   |                   |  |  |  |  |                                       |                                       |                 |                                       |              |
| <u> </u>                   | <b></b>  | '            | ļ              |                                   | ] [               |  | <del> </del>                           |  | TOTAL DE                               | PTH OF BORIN                          | IG = 16 FT.                           |                 | ·····                                 |              |
|                            |  | 17-          |                |                                   |                   |  |  |  | <u> </u>                               |                                       |                                       |                 | ···                                   |              |
|                            |  | ┨            |                | •                                 |                   |  |  |  | No Groun                               | ndwater E                             | ncounter                              | ed              |                                       |              |
| <b></b>                    | <b></b>  | 18-          | <del>  -</del> |                                   |                   |  |  |  | · · · · · · · · · · · · · · · · · · ·  | ~                                     |                                       |                 |                                       | ·······      |
| <b></b>                    | <del>                                     </del> | 1            | H              |                                   | <u> </u>          | -                                      |  |  |  |                                       |                                       | • • •           |                                       |              |

|                            | Clay   |  |  | LO                        | G OF              | BORING          | CLIENT:       | NO.: 70-03<br>GREEN CITY I              | LOFTS, LL   | C                                      |                                       |             | BORING NO. B-5 Sheet 1 |
|----------------------------|--|--|--|---------------------------|-------------------|-----------------|---------------|---|-------------|--|---------------------------------------|-------------|------------------------|
| <u> </u>                   |  |  |  |                           | <del></del>       |                 |               | BY: JE                                  |             | DRILLE                                 | R: ECA                                |             | of 1                   |
| Field                      | locatio  | n of   |  | ing:<br>TSTREET           |                   |                 | Drilling Me   | thod: GEOP                              | ROBE        |  |                                       | - 41611     |                        |
|                            |  |  | <del></del>                                      | 1911                      |                   | $\neg$          |               |   |             | He                                     | ole Dia.:                             | 2 INCH      |                        |
| <b>Z</b> L                 |  |  |  |                           |                   |                 | Casing Ins    | stallation Data                         | a <u>:</u>  |  |                                       |             |                        |
| ADELINE<br>STREET          |  |  |  | •                         | B-5               | STREET S        | ļ <del></del> |   |             |  | · · · · · · · · · · · · · · · · · · · | <del></del> |                        |
| 1                          | <br>nd Elev.                                     |  |  |                           | To the second of  | <b>,</b>        |               |   |             | <del></del>                            | <del></del>                           |             |                        |
| Groun                      | IG E161.   | Т  | Τ_   | Ι                         | Datum:            | Water Level     | ļ <u> </u>    | T                                       | Т           |  |                                       |             |                        |
| Drilling                   |  | Ð  | Sam  | Soil                      | Litho-            | Time            |               | <u> </u>                                |             |  |                                       |             |                        |
| Drilling<br>Rate<br>FT/MIN | PID<br>OVA                                       | p  | p  | Group<br>Symbol<br>(USCS) | graphic<br>Symbol | Date            | <del> </del>  |   |             | <del></del>                            |                                       |             |                        |
| FIMILIA                    |  | h  | 9  | (USCS)                    | Symbol            |                 | <u> </u>      | DE                                      | ESCRIPT     | JON                                    | L                                     |             |                        |
| <b> </b>                   | $\vdash$   | <del>                                     </del> | <del>                                     </del> | СТ                        | kxxxx             | CONCRETE        |               |   |             |  |                                       |             |                        |
| ļ                          | <del>                                     </del> | ┥,   |  | \ <u> </u>                | 7777              | CLAY, BLACK/BP  | ROWN, MOIST,  | NO ODOR                                 |             |  |                                       |             |                        |
|                            |  | 1 -  | <del> </del>                                     | 1                         |                   | 00.11,00        | .,            | 110 000.                                | ·           |  |                                       |             |                        |
|                            | 6.5  | ١,.  |  |                           |                   |                 |               |   |             |  |                                       | <del></del> |                        |
|                            | <u>\_\.</u>                                      | 2-   | $\vdash$   |                           |                   | ·               |               |   |             |  |                                       | <del></del> |                        |
|                            | <del> </del>                                     | 1  | X  |                           |                   |                 |               |   |             |  | <del></del>                           |             |                        |
|                            | <del>                                     </del> | 3~   |  |                           |                   | 1               |               |   |             |  |                                       |             |                        |
|                            | <u> </u>   | ľ,   |  |                           |                   | ,               |               |   |             |  |                                       |             |                        |
| <del> </del>               | <del> </del>                                     | 4 -  |  | l                         |                   |                 |               |   |             |  |                                       |             |                        |
| <u> </u>                   | 19.1   | <b> </b>   |  | Í                         |                   |                 |               |   |             |  |                                       |             |                        |
|                            | 10.7   | 5-   | <b></b> -  |                           |                   | GRAY, MOIST, NO | O ODOR        |   |             | ······································ |                                       |             |                        |
|                            | 3.9  | 1  | X  |                           | 1///              |                 |               | <del></del>                             |             |  |                                       |             |                        |
|                            |  | 6-   |  |                           |                   |                 |               | *************************************** |             |  |                                       |             |                        |
|                            |  | ١,   |  |                           |                   | [               |               |   |             | <del></del>                            |                                       |             |                        |
|                            |  | 7 -  |  |                           |                   |                 |               |   | <del></del> |  |                                       | <del></del> | · · · · · · ·          |
|                            |  | 1,   |  |                           |                   |                 |               | <del></del>                             |             |  |                                       | ··          |                        |
|                            |  | 8-   |  | CL                        |                   |                 |               | <del></del>                             |             | *****                                  |                                       |             |                        |
|                            |  | 1,   | X  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 9-   |  |                           |                   | BLACK, MOIST, S | STRONG PETR   | OLEUM ODOF                              | 3           |  | ****                                  |             |                        |
|                            | 14.6   | _۱۸_   |  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 10-  |  | ĺ                         |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 1,,_   |  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 11-  |  |                           |                   | GREEN, STRONG   | PETROLEUM     | ODOR                                    |             |  |                                       |             |                        |
|                            | 32.4   | _ر ا   |  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 12-  |  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 1,2  | $\boxtimes$                                      |                           |                   |                 |               | · · · · · · · · · · · · · · · · · · ·   |             |  |                                       |             |                        |
|                            |  | 13-  |  | ļ i                       |                   |                 |               |   |             |  |                                       |             |                        |
|                            | 162.2  | ]_,_   |  | İ                         |                   |                 |               |   |             |  | ,                                     |             |                        |
|                            |  | 14-  |  |                           |                   | LESS GREEN, MO  | ORE BROWN,    | STRONG PETF                             | ROLEUM (    | DOR                                    |                                       |             |                        |
|                            |  | ]<br>  |  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 15-  |  | i                         |                   |                 |               |   |             |  |                                       |             |                        |
|                            | 119.1  | 16_  |  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 16-  |  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | 17-  |  |                           |                   |                 |               |   |             |  |                                       |             |                        |
|                            |  | ] ''   |  | <u> </u>                  |                   |                 |               | TOTAL DE                                | PTH OF B    | SORING = 1                             | 7 FT.                                 |             |                        |
|                            |  | 18-  |  |                           | [ ]               |                 |               |   |             |  |                                       |             |                        |
|                            |  | 10   |  | , , ,                     | [ ]               |                 |               | No Groun                                | idwate      | r Encoι                                | untered                               | <b>d</b>    |                        |
| 1                          | 1  | ŀ  |  |                           | 1                 |                 |               |   |             |  |                                       |             |                        |

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|                            | Clay   | RVICI       | S                |                           | G OF              |                | NG        | PROJECT NO.:         70-03365.01         DATE:         11/4/02         BORING           CLIENT:         GREEN CITY LOFTS, LLC         B-6           LOCATION:         Sheet         of |  |                                       |   |              |  |
|----------------------------|--|-------------|------------------|---------------------------|-------------------|----------------|-----------|--|--|---------------------------------------|---|--------------|--|
| Field                      | locatio  | n of        | bor              | ing:                      |                   |                |           |  | thod: GEOP                             |                                       |   |              | L                                      |
|                            |  |             | 415              | T STREET                  |                   | _              |           |  |  |                                       | Hole Dia                                | : 2 INCH     | {                                      |
| ADEUNE                     |  |             |                  |                           |                   | LINDEN         | <b>\</b>  | Casing Ins   | tallation Data                         | a:                                    |   |              |  |
| 42                         |  |             |                  | ●·B-6                     |                   | 56             | N         |  | ı                                      |                                       |   |              |  |
| Groun                      | d Elev.  | :           |                  |                           | Datum:            |                |           |  | 1                                      | I                                     | T                                       | <del>,</del> |  |
|                            |  | D           | Sa               | Soil                      |                   | Water          |           | -  |  |                                       |   |              |  |
| Drilling<br>Rate<br>FT/MIN | PID<br>OVA                                       | e<br>p<br>t | E p              | Group<br>Symbol<br>(USCS) | Litho-<br>graphic | Tir<br>Da      |           |  |  |                                       |   |              |  |
| FT/MIN                     | OVA  | h           | e                | (ÚSCS)                    | Symbol            |                | 110       |  | DE                                     | SCRIPTION                             | <u>i</u>                                | L.,          | <u> </u>                               |
| <del></del>                | <del> </del>                                     | $\vdash$    |                  | СТ                        | kxxxx             | CONCR          | FTF       |  |  |                                       |   |              |  |
|                            | 6.2  | 1           |                  |                           | 7777              |                |           | D. SOME GRA  | VEL (FILL), REI                        | DDISH BROWN                           | I, DRY, NO OD                           | OR           | <u></u>                                |
|                            |  | 1 -         |                  | Fill                      |                   |                |           |  |  |                                       | -i                                      |              |  |
|                            |  | 2 -         |                  | ] ' ""                    |                   |                |           |  |  |                                       |   |              |  |
|                            |  | ] ~ [       |                  | ]                         |                   |                |           |  |  |                                       |   |              |  |
|                            |  | 3-          | $\geq$           | ]                         |                   |                | <u></u>   | **** *********************************   |  |                                       |   |              | ************************************** |
| ļ                          |  | ļĭ          |                  |                           |                   |                |           |  |  |                                       |   |              |  |
| ļ                          | 2.4  | 4-          |                  |                           |                   | 0.07.0         | 1.00// 5  | DV 110 00 00   |  |                                       |   | ····         |  |
|                            | <u></u>  |             |                  | -                         |                   | CLAY, B        | LACK, DI  | ry, no odor  |  |                                       |   |              |  |
| -                          | <u> </u>   | - 5         | -                | 1                         |                   | <b></b>        |           | · · · · · · · · · · · · · · · · · ·  | ······································ | <del> </del>                          |   |              |  |
|                            | <del>                                     </del> | ╡           | $\triangleright$ | 1                         |                   | <del> </del> - |           |  |  |                                       |   |              |  |
| <b></b>                    |  | 6-          |                  | 1                         |                   |                |           |  | <del></del>                            |                                       | <del></del>                             | •            |  |
| <b> </b>                   |  | 1           |                  | 1                         |                   |                |           |  |  |                                       |   |              |  |
|                            |  | 7 -         |                  | 1                         |                   | BROWN          | I. MOIST. | NO ODOR  |  |                                       |   |              |  |
| <b></b>                    |  | 1,          | $\vdash$         | 1                         |                   |                |           |  |  |                                       |   |              |  |
| ,                          |  | 8 -         |                  | 1                         |                   |                |           |  | ,,,_,_,                                | <del></del>                           | ******                                  |              |  |
|                            | 85,5   | 9 -         | $\times$         | ]                         |                   |                |           |  |  |                                       |   |              |  |
|                            |  | ] " -       |                  | ]                         |                   | BLACK,         | MOIST, I  | PETROLEUM C  | DOR                                    |                                       |   |              |  |
|                            | 33.4   | 10-         |                  | 1                         |                   |                |           |  |  |                                       |   |              |  |
| <u> </u>                   |  |             |                  |                           |                   |                |           |  |  |                                       | <del></del>                             |              |  |
|                            |  | 11-         | <u> </u>         | CL                        |                   |                |           |  |  |                                       | ····                                    |              |  |
|                            |  | -           | <u> </u>         | ł                         |                   |                |           |  | <del></del>                            |                                       |   |              |  |
|                            | 31.8   | 12-         |                  | 1                         |                   | _              |           |  |  |                                       |   |              | V                                      |
|                            |  | 1           | $\triangleright$ | -                         |                   |                |           | <del></del>  |  | · · · · · · · · · · · · · · · · · · · |   |              |  |
| <u> </u>                   | <del>                                     </del> | 13-         |                  | 1                         |                   | GREEN.         | STRONG    | B PETROLEUM  | ODOR                                   |                                       | *************************************** |              |  |
|                            | 212.2  | 1           | _                | 1                         |                   |                |           |  |  |                                       |   |              |  |
|                            | 616.6  | 14-         | -                |                           |                   |                |           |  |  | ·····                                 |   |              |  |
|                            |  | ۱           | $\vdash$         | 1                         |                   | _              |           |  |  |                                       | *************************************** |              |  |
|                            |  | 15-         |                  | 1                         |                   | _              |           |  |  |                                       |   |              |  |
|                            |  | 10.         |                  | ]                         |                   |                |           |  |  |                                       |   |              |  |
|                            |  | 16-         |                  |                           |                   |                |           |  |  |                                       |   |              |  |
|                            | 19.3   | 17-         |                  |                           |                   |                |           |  | ,                                      |                                       |   |              |  |
| <u> </u>                   |  | '′          | <u> </u>         |                           |                   |                |           |  |  |                                       |   |              |  |
|                            |  | 18-         | <u> </u>         |                           |                   |                |           |  | TATA: NO                               | חדוו מל המכיי                         | 10 10                                   |              |  |
| ļ                          |  |             |                  | }                         | ]                 |                |           |  |  | PTH OF BORI                           |   |              |  |
| i                          | i  | 1           | t .              | I                         | 1                 | ı              |           |  | NO Grou                                | IDOM/OTOT                             | Encounte                                | ארסת         |  |

|   |              | EX          | PL         | ORAT                      | G OF              | BORING          | CLIENT: _<br>LOCATION<br>LOGGED         | GREEN CITY LO<br>N:<br>BY:JE                 | OFTS, LLC                               | DATE: 11/5/02 DRILLER: ECA              | BORING NO. B-7 Sheet 1 of 2           |  |  |  |  |
|---|--------------|-------------|------------|---------------------------|-------------------|-----------------|---|--|---|---|---------------------------------------|--|--|--|--|
| Field                                   | locatio      | n of        |            | ing:<br>TSTREET           |                   |                 | Drilling Me                             | thod: <u>GEOPR</u>                           | OBE                                     |   | N.O.I.                                |  |  |  |  |
| ADELINE                                 |              |             |            | • B-7                     |                   | LINDEN STREET   | Casing Ins                              | Hole Dia.: 2 INCH  Casing Installation Data: |   |   |                                       |  |  |  |  |
|   |              |             |            | <b>₩</b> 0-1              | _                 |                 | <u> </u>                                |  |   |   |                                       |  |  |  |  |
| Groun                                   | d Elev.      | T           | Ι.         | •                         | Datum:            | Water Level     | <u> </u>                                |  |   | , [                                     | i                                     |  |  |  |  |
| Drillina                                |              | D           | Sa         | Soil                      | Litho-            | Time            |   |  |   |   |                                       |  |  |  |  |
| Drilling<br>Rate<br>FT/MIN              | PID<br>OVA   | p           | m<br>p     | Group<br>Symbol<br>(USCS) | graphic<br>Symbol | Date            | <del> </del>                            |  |   |   |                                       |  |  |  |  |
| I. IMMIA                                |              | h           | e          | (USCS)                    | Symbol            |                 | <u> </u>                                | DES  | SCRIPTION                               | ON                                      |                                       |  |  |  |  |
| • |              |             | -          | CT                        | kxxxx             | CONCRETE        |   |  |   |   |                                       |  |  |  |  |
|   |              | 1,          |            |                           |                   | SAMPLE NOT R    | ECOVERED                                |  | *************************************** |   |                                       |  |  |  |  |
|   |              | 1 -         |            |                           |                   |                 | ·                                       |  |   |   |                                       |  |  |  |  |
| ······                                  |              | ٦,          |            |                           | ,,,,,             |                 | · • • • • • • • • • • • • • • • • • • • | ·  |   |   | · · · · · · · · · · · · · · · · · · · |  |  |  |  |
|   |              | 2-          | X          | ,                         |                   | ÇLAY, BLACK, M  | OIST, PETROL                            | EUM ODOR                                     |   |   |                                       |  |  |  |  |
|   | 23.2         | 3-          |            | 1                         |                   |                 |   |  |   |   |                                       |  |  |  |  |
|   |              | ] "         |            | 1                         |                   |                 |   |  |   |   |                                       |  |  |  |  |
|   |              | 4-          | $\times$   | 3                         |                   |                 |   |  |   |   |                                       |  |  |  |  |
|   |              | ] -         |            |                           |                   | <u> </u>        |   |  |   |   |                                       |  |  |  |  |
|   |              | l 5 -       | <u> </u>   | ,                         |                   | £               |   |  |   |   |                                       |  |  |  |  |
|   |              | ] `         |            |                           |                   | £               |   |  |   |   |                                       |  |  |  |  |
|   |              | - 6 -       |            | ,                         |                   | <u> </u>        | ····                                    |  |   |   |                                       |  |  |  |  |
|   | ļ            | ] "         |            | ,                         | <i>\///</i>       | <u> </u>        |   |  |   |   |                                       |  |  |  |  |
| <del></del>                             | 31.3         | 7 -         |            | 1                         |                   | <u> </u>        |   |  |   |   |                                       |  |  |  |  |
|   |              | ┨`          |            |                           |                   | <u> </u>        | <u> </u>                                |  |   | · · · · · · · · · · · · · · · · · · ·   |                                       |  |  |  |  |
|   |              | <b>∤</b> 8- | $\times$   |                           |                   | <u> </u>        |   | ···  |   |   |                                       |  |  |  |  |
|   |              | -           | _          |                           |                   | 2404 0004 140   | IOT OTDOLIO                             | SETTON FULL OF                               | 200                                     |   |                                       |  |  |  |  |
|   | 55.7         | 9 -         |            | -                         |                   | ĐARK GRAY, MO   | ISI, STRUNG I                           | PETRULEUM OL                                 | JUH                                     |   |                                       |  |  |  |  |
|   | <del> </del> | 1           |            | 7                         |                   | <del>/</del>    |   |  |   |   |                                       |  |  |  |  |
|   |              | 10-         | -          | CL 2                      |                   | <del></del>     |   |  |   |   |                                       |  |  |  |  |
|   | 414          | -           |            | /                         |                   | <del>}</del>    |   |  |   |   |                                       |  |  |  |  |
| -                                       | 14.4         | 11-         |            | /                         |                   | <del></del>     |   |  |   |   |                                       |  |  |  |  |
|   | <del> </del> | 1           | -          | /                         |                   | <del>/</del>    |   |  |   |   |                                       |  |  |  |  |
|   | <del></del>  | 12-         | $\searrow$ | 1                         |                   | GREEN, STRONG   | PETROLFIIM                              | ODOR   |   |   | <del></del>                           |  |  |  |  |
|   | 55.0         | 1           |            | -                         |                   | Zinezin, ormone | AT ETHOLLOW                             | 00011  |   | 7-7-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 |                                       |  |  |  |  |
|   | 00.0         | 13-         |            | 2                         |                   | <del>/</del>    |   |  |   |   |                                       |  |  |  |  |
|   |              |             |            | 2                         |                   |                 | <del></del>                             | ········                                     |   |   |                                       |  |  |  |  |
|   | <del></del>  | 14-         |            | /                         |                   |                 |   |  |   | <del></del>                             |                                       |  |  |  |  |
|   | 27.5         | 1           |            | /                         |                   | 7               |   |  | *************************************** |   |                                       |  |  |  |  |
|   |              | 15-         |            | /                         |                   | 7               | <del></del>                             |  |   | ···········                             | , · · · ·                             |  |  |  |  |
|   | 54.3         | 1,          |            | /                         |                   | 7.              |   | ***************************************      | ,                                       |   |                                       |  |  |  |  |
|   |              | 16-         |            |                           |                   | Z               |   |  |   |   |                                       |  |  |  |  |
|   |              | 17.         |            | 3                         |                   | /               |   |  |   |   |                                       |  |  |  |  |
|   |              | 17-         |            | 3                         |                   |                 |   |  |   |   |                                       |  |  |  |  |
|   |              | 18-         |            | /                         |                   | /               |   |  |   |   |                                       |  |  |  |  |
|   |              | 1 10~       |            | /                         |                   |                 |   |  |   |   |                                       |  |  |  |  |
|   |              | I           |            | _                         | V///              |                 |   |  |   |   |                                       |  |  |  |  |

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|  | Clay          |             |          | LC<br>ORA1                        | OG OF             | BORING          | CLIENT: _                             | GREEN CITY L                           | 3365.01 da<br>LOFTS, LLC<br>DR |               |              | B            | NG NO.<br>3-7<br>ot 2<br>of 2 |
|--|---------------|-------------|----------|-----------------------------------|-------------------|-----------------|---------------------------------------|--|--------------------------------|---------------|--------------|--------------|-------------------------------|
|  |               |             |          |                                   | <del></del>       |                 | <del></del>                           | ~                                      |                                | ILLER: EC     | <u> </u>     | . 0          | of 2                          |
| Field  | locatio       | n of        |          | ing:<br>STREET                    | -                 | •               | Drilling Me                           | thod: <u>GEOP</u>                      | ROBE                           |               | O INICI      |              |                               |
| -  |               |             |          |                                   |                   |                 |                                       |  |                                | Hole Dia      | : 2 INC      | <u> </u>     |                               |
| ¥1.  |               |             |          |                                   |                   | Z L             | Casing Ins                            | stallation Data                        | a <u>:</u>                     |               |              | <del></del>  |                               |
| ADELINE<br>STREET                                |               |             |          | <b>●</b> 8-7                      |                   | STREET          |                                       |  |                                |               |              | <del></del>  |                               |
| ł  | ∣<br>id Elev. |             |          |                                   | Datum:            | 1               |                                       |  |                                | <del></del>   |              |              |                               |
|  |               |             |          | T                                 | T                 | Water Level     | <del> </del>                          |  | <u> </u>                       |               | T            |              |                               |
| Drilling   | PID           | D           | Sa       | Soil<br>Group<br>Symbol<br>(USCS) | Litho-            | Time            |                                       |  |                                |               | <del> </del> |              |                               |
| Drilling<br>Rate<br>FT/MIN                       | OVA           | p<br>t<br>h | a m p    | Symbol                            | graphic<br>Symbol | Date            | 1                                     |  |                                | <del> </del>  |              |              |                               |
|  |               | "_          | ė        | (0303)                            |                   |                 |                                       | DE                                     | SCRIPTION                      | <u></u>       | <del></del>  |              |                               |
|  |               |             |          |                                   |                   | CLAY, GREEN, ST | TRONG PETRO                           | LEUM ODOR                              |                                |               |              |              |                               |
|  |               | 19-         |          | _                                 |                   |                 |                                       |  |                                |               |              |              |                               |
|  |               | ١٧          |          | ]                                 |                   |                 |                                       |  |                                |               |              |              |                               |
|  |               | 20 -        |          |                                   |                   | ļ. <u></u> .    | · · · · · · · · · · · · · · · · · · · |  |                                |               |              |              |                               |
| ļ  |               |             | $\geq$   |                                   |                   |                 |                                       |  |                                |               |              |              |                               |
| <u> </u>   | 45.8          | 21-         |          | 1                                 |                   |                 |                                       |  |                                | <del></del>   |              |              |                               |
|  | <u></u>       | -           |          |                                   |                   |                 |                                       |  |                                |               |              |              |                               |
|  | <u> </u>      | 22-         |          |                                   |                   | SSOURI MOIOT    | 110 0000                              |  |                                |               |              |              |                               |
| <b> </b> -                                       | <del> </del>  | -           | <b></b>  | -                                 |                   | BROWN, MOIST,   | , NO ODOK                             |  |                                |               | ·            |              |                               |
| <u> </u>   | <del> </del>  | 23-         |          | 1                                 |                   |                 |                                       |  |                                |               |              |              |                               |
| <b> </b>   | <del> </del>  | {           |          | CL                                |                   | <del> </del>    |                                       | ·····                                  |                                | <del></del> _ | <del></del>  | ·            |                               |
| <b></b>  | 0.0           | 24-         |          | 0.                                |                   | <del> </del>    |                                       |  |                                |               |              | <del></del>  |                               |
|  | -             | -           | $\vdash$ | 1                                 |                   | <del></del>     |                                       |  |                                |               | <del></del>  | <del></del>  |                               |
| ļ  | <del> </del>  | 25~         |          | 1                                 |                   |                 |                                       |  |                                |               |              |              |                               |
| <del> </del>                                     | <del> </del>  | 1           | -        |                                   |                   |                 |                                       | ······································ |                                |               |              |              |                               |
|  |               | 26~         |          | 1                                 |                   |                 |                                       |  |                                |               |              |              | .,.,.,                        |
| <b></b>  |               | 1_          |          |                                   |                   |                 |                                       |  |                                |               |              | <del></del>  |                               |
|  |               | 27-         |          |                                   |                   |                 |                                       |  | <del></del>                    |               |              |              |                               |
|  | 2.1           | 100         |          |                                   |                   |                 | <del></del>                           |  |                                |               |              |              |                               |
|  |               | 28-         |          |                                   |                   |                 |                                       |  |                                |               | <del></del>  |              |                               |
|  |               | 100-        |          |                                   |                   |                 |                                       |  |                                |               |              |              |                               |
|  |               | 29-         |          | ]                                 |                   |                 |                                       |  |                                |               |              |              |                               |
|  |               | 30-         |          |                                   |                   |                 |                                       |  |                                |               |              |              |                               |
|  |               | 30          |          | 1                                 | ļ ,               |                 |                                       | TOTAL DE                               | PTH OF BORIN                   | IG = 30 FT.   |              |              |                               |
| <u> </u>   |               | 31-         |          |                                   | ] [               |                 |                                       | ·                                      |                                |               |              |              |                               |
|  | <u> </u>      | 101         |          | 1                                 |                   | <u> </u>        |                                       | No Grour                               | ndwater E                      | ncounter      | <u>red</u>   |              |                               |
| <u> </u>   |               | 32-         |          | 1                                 |                   |                 |                                       |  |                                |               |              |              |                               |
| <b> </b>   |               | "           | $\vdash$ | '                                 | }                 | <del> </del>    |                                       |  |                                | <del></del>   |              |              |                               |
|  | ļ             | 33~         |          | 1                                 |                   |                 |                                       |  |                                |               |              | <del></del>  |                               |
| <b> </b>   |               |             | $\vdash$ | 1                                 |                   | <del></del>     |                                       |  | <del></del> .                  |               |              |              |                               |
|  |               | 34-         | $\vdash$ | '                                 | }                 | <del></del>     |                                       |  |                                | ····          |              |              | <del></del>                   |
| }  |               | }           | $\vdash$ | ł                                 |                   |                 |                                       |  |                                | <del></del>   |              |              |                               |
|  | <b> </b>      | 35 -        |          | 1                                 |                   |                 |                                       |  |                                | <del></del>   | <del></del>  | <del> </del> |                               |
|  |               |             |          |                                   | }                 |                 | ·                                     |  | ·                              |               |              |              |                               |
| <del>                                     </del> |               | 36          |          | 1                                 |                   |                 |                                       |  | <del></del>                    |               |              |              |                               |
|  | <del></del>   | 1           |          | '                                 |                   |                 | <del></del>                           | <del></del>                            |                                | <del></del>   |              |              |                               |

|  | Clay   | EX          | PL             | ORAT                      | G OF<br>ORY | BORING          | CLIENT: _<br>LOCATION<br>LOGGED I | GREEN CITY L<br>1: | DR            |  |  | B<br>Shee                              | NG NO.<br>3-8<br>ht 1                  |
|--|--|-------------|----------------|---------------------------|-------------|-----------------|-----------------------------------|--------------------|---------------|--|--|--|--|
| ADELINE  |  |             |                | T STREET                  | ,           | STREET STREET   | ļ                                 | tallation Date     |               | Hole Dia.                              | : 2 INCH                               |  |  |
| Groun  | nd Elev.   | T           | Τ.             |                           | Datum:      | Water Level     | <u></u>                           | T .                |               | 1                                      | Γ                                      | Т                                      |  |
| Drilling   | 212  | D           | S              | Soil                      | Litho-      | Time            |                                   |                    |               |  | -                                      |  |  |
| Rate<br>FT/MIN                                   | PID<br>OVA                                       | l<br>t<br>h | m<br>p         | Group<br>Symbol<br>(USCS) |             | Date            |                                   |                    |               |  |  |  |  |
|  |  | "           | e              | (0303)                    |             |                 |                                   | DE                 | SCRIPTION     |  |  | <del> !</del>                          |  |
|  |  |             |                | CT                        | ××××        |                 |                                   |                    |               |  |  |  |  |
|  |  | 1 -         | <u> </u>       | CL                        |             | CLAY WITH SAN   |                                   |                    | ODOR          |  | _                                      |  |  |
|  | ļ  | ] '         |                |                           |             | CLAY, DARK GRA  | Y, DRY, NO O                      | OOR                |               |  | ·····                                  |  |  |
|  | 0.0  | 2 -         | <u> </u>       |                           |             | <u></u>         |                                   |                    |               |  | ······································ | <del></del>                            |  |
| <u> </u>   | <del></del>                                      | -           |                |                           |             | <u> </u>        | <del>-,</del>                     |                    | ·             | <del></del>                            |  | •••                                    |  |
| <u> </u>   | ļ  | 3 -         | X              | 1 :                       |             | <u> </u>        |                                   |                    |               |  |  | <del>.,.,.</del>                       | · <del>·························</del> |
| <b> </b>   | <del>                                     </del> | -           |                | 1 3                       |             | <b>/</b>        |                                   |                    |               |  |  |  |  |
| <del> </del>                                     | 1.7  | 4 -         | -              | 1 3                       |             | <del></del>     |                                   |                    |               |  |  |  |  |
| <b> </b>   | ┼──  | 1           |                | 1                         |             | <del></del>     |                                   |                    |               | <del></del>                            | <del></del>                            |  | ····                                   |
| <del>                                     </del> | <del> </del>                                     | - 5 -       | X              | 1 3                       |             | BROWN, DRY, N   | O ODOR                            |                    |               |  | <del>-</del>                           |  |  |
| <b></b>  | <del> </del>                                     | 1.          |                | 1 7                       |             | 2               |                                   |                    | <del></del>   |  |  | ·····                                  |  |
| <del> </del>                                     | <del> </del>                                     | 6-          |                | CL :                      |             |                 |                                   |                    |               |  |  | ······································ | ····                                   |
|  | 18.3   | 1 .         |                |                           | <i>\///</i> | <del>[</del>    |                                   |                    |               |  | <del></del>                            | · · · · · · · · · · · · · · · · · · ·  |  |
|  |  | 7 -         |                | 1 1                       | <b>V///</b> |                 |                                   |                    |               |  |  |  |  |
|  | 122.7  | 8-          |                |                           |             | BROWN, MOIST,   | PETROLEUM                         | ODOR               |               |  |  |  |  |
|  |  | ] ° ¯       |                |                           |             |                 |                                   |                    | ·             |  |  |  |  |
|  |  | 9-          | $\geq$         | ]                         |             |                 |                                   |                    |               |  |  |  |  |
|  | <u> </u>   | ľ           |                |                           |             |                 |                                   |                    |               |  |  |  |  |
|  |  | 10-         |                | 1                         |             |                 |                                   |                    |               |  |  | · · · · · · · · · · · · · · · · · · ·  |  |
| ļ  | <b> </b>   | ] '`        |                | 1                         |             |                 |                                   |                    | t.            |  |  |  |  |
| <u> </u>   | 79.5   | 11-         |                | 1                         |             |                 |                                   |                    |               |  |  |  |  |
| <b> </b>   | -  | 1           | <u> </u>       | 1                         |             |                 |                                   |                    |               |  |  |  |  |
| ļ  | 33.1   | 12-         |                | ļ                         | 1///        | SAMPLE NOT RE   | COVEDED                           |                    |               |  | ·····                                  |  | <del></del>                            |
| <b>—</b>   | <del> </del>                                     | 1           |                | 1                         |             | SAIVIPLE NUT KE | LOOVENED                          | <del></del>        |               |  | <del></del>                            | ····                                   |  |
| <b> </b>   | -  | 13-         | <del> </del> - | 1                         |             |                 |                                   |                    |               |  | · <del>·······</del>                   |  |  |
| <b> </b>   | +  | 1           |                | 1                         | 1           |                 |                                   |                    | <del></del>   |  |  |  |  |
|  |  | 14-         |                | <u> </u>                  | 1777        | CLAY, GREENISH  | BLACK, STRO                       | NG PETROI F        | UM ODOR       |  |  |  |  |
| <b>—</b>   | <del> </del>                                     | 1           |                | 1                         |             |                 |                                   |                    |               |  |  |  |  |
|  | <del>                                     </del> | 15-         | <del> </del>   | CL                        |             | L,              |                                   |                    |               | <del>_</del>                           |  | •                                      |  |
|  | 156.9  | 1           |                | , UL                      |             |                 | ···,                              |                    |               | ······································ |  | <del></del>                            |  |
|  | 1  | 16-         |                |                           |             |                 |                                   | <del></del>        | <del></del>   |  | <del></del>                            | <del></del>                            | <del> </del>                           |
|  |  | 47          | $\times$       |                           |             |                 |                                   |                    |               |  |  |  |  |
|  |  | 17-         |                |                           |             |                 |                                   | REF                | FUSAL AT 17 F | Т.                                     |  |  |  |
|  |  | 18-         |                |                           |             |                 | -                                 | TOTAL DEP          | TH OF BORING  | i = 17 FT.                             |  |  |  |
|  |  | 10-         |                |                           |             |                 |                                   |                    |               |  |  |  |  |
|  |  |             |                | }                         | <u> </u>    |                 |                                   | No Grou            | undwater      | Encounte                               | ered                                   |  |  |

|                  | Clay          |             |  |                           | G OF              | BORING                                  | CLIENT: LOCATION                        | GREEN CITY<br>N:                      | LOFTS, LLC                             |                       | BORING NO.  B-9  Sheet 1  of 1                     |
|------------------|---------------|-------------|--|---------------------------|-------------------|---|---|---------------------------------------|--|-----------------------|--|
|                  |               |             |  |                           |                   |   | LOGGED                                  |                                       |  | DRILLER: ECA          | of1  |
| Field            | locatio       | n ot        |  | ing:<br>TSTREET           |                   |   | Drilling Me                             | ethod: <u>GEO</u> F                   | ROBE                                   | Itala Pita            | O INICU  |
| 1                | $\overline{}$ |             |  |                           |                   | $\overline{}$                           | !<br>                                   |                                       |  | Hole Dia.:            | ZINOH  |
| 25               |               |             |  | ● 8-                      | 9                 | 2.5                                     | Casing Ins                              | stallation Dat                        | a <u>:</u>                             |                       | <del></del>  |
| ADELINE          |               |             |  |                           |                   | STREET STREET                           | l                                       |                                       | 70                                     | <del></del>           |  |
| 1                | ļ             |             |  |                           |                   | 1                                       | \                                       |                                       |  |                       | - <del></del>                                      |
| Groun            | d Elev.       | :           | т  | <del></del>               | Datum:            |   | ļ                                       |                                       | <del></del>                            |                       | <del></del>  |
|                  |               | D           | S  | Soli                      |                   | Water Level                             |   | <del> </del>                          |  |                       | ·  |
| Drilling<br>Bate | PID           | e<br>p<br>t | m  | Group                     | Litho-<br>graphic | Time                                    | <u> </u>                                | ļ                                     | ļ                                      |                       |  |
| Rate<br>FT/MIN   | OVA           | h           | P  | Group<br>Symbol<br>(USCS) | Symbol            | Date                                    |   | <u> </u>                              | <u> </u>                               |                       |  |
|                  | <u> </u>      | ļ           | 8  |                           | <del></del>       |   |   | DI                                    | SCRIPTION                              | N                     |  |
| <u> </u>         |               | _           |  | CT                        | (XXXX             |   |   | ····                                  |  |                       |  |
| <u> </u>         |               | ] , ,       | <u> </u>   |                           |                   | CLAY, BLACK, D                          | RY, NO ODOR                             |                                       |  |                       |  |
| Ī                |               | ] ' -       | $\times$   | ]                         |                   |   |   |                                       |  |                       |  |
|                  | 5.2           | ٦,          |  | ]                         |                   |   |   |                                       |  |                       |  |
|                  |               | - 2 -       | 1  | CL                        |                   |   | · · · · · · · · · · · · · · · · · · ·   |                                       |  |                       |  |
|                  | <del> </del>  | 1           |  | 1                         |                   |   |   |                                       |  |                       | ······································             |
| -                | <del> </del>  | -{ 3 -      | <del>                                     </del> | 1                         |                   |   |   | ·                                     |  |                       | <del></del>  |
| \                | 9.1           | ╣           | $\vdash$   | 1                         |                   |   |   |                                       |  |                       | <u></u>  |
|                  | 9.1           | - 4 -       | ┼─   | <del> </del> -            | 7777              | SAMPLE NOT R                            | CUNEDED                                 |                                       |  |                       | 1  |
| <b> </b>         | <del> </del>  | -           |  | 1                         |                   | SAMIFEC NOT NE                          | LOUVENED                                | · · · · · · · · · · · · · · · · · · · |  |                       |  |
| ļ                | <del> </del>  | - 5         | ├  | <del> </del>              | 7777              | CLAV DLACK D                            | DV NO ODOD                              | ·                                     |  | <del></del>           |  |
|                  | <del> </del>  | -           |  | -                         |                   | CLAY, BLACK, DI                         | אז, ווט טטטא                            |                                       |  |                       |  |
|                  | ļ             | - 6         |  |                           |                   |   |   |                                       |  |                       |  |
| ļ                | 3.1           | -           | <u> </u>   | {                         |                   |   |   | ·                                     |  |                       | ······································             |
| <u> </u>         | ļ <u> </u>    | ┨७-         | <u> </u>   |                           |                   | <u></u>                                 |   |                                       |  |                       |  |
| <u> </u>         |               | ↓ `         | <u> </u>   | ļ                         |                   |   |   |                                       |  |                       |  |
| L                | 2.4           | 8~          | ļ.,  | CL                        |                   | BLACK, MOIST, S                         | STRONG PETE                             | ROLEUM ODOF                           | }                                      |                       |  |
| <u> </u>         |               | ] ັ         | $\geq$   | 1 5                       |                   |   |   |                                       |  |                       |  |
|                  |               | 9-          | <u> </u>   |                           |                   |   | · · · · · · · · · · · · · · · · · · ·   |                                       | ······································ |                       |  |
|                  |               | Ţ           |  |                           |                   |   |   |                                       |  |                       |  |
|                  |               | 10-         |  | <u> </u>                  |                   |   |   |                                       |  |                       |  |
|                  |               | 1,0-        |  | Ì                         |                   | GREEN, STRON                            | G PETROLEUN                             | / ODOR                                |  |                       |  |
|                  | 161.5         | ],,         |  |                           |                   |   |   |                                       | · · · · · · · · · · · · · · · · · · ·  |                       |  |
|                  |               | 11-         |  |                           | 1                 | SAMPLE NOT RE                           | COVERED                                 |                                       |  |                       |  |
|                  |               | 1,          |  |                           |                   | <del></del>                             |   | <del></del>                           |  |                       |  |
|                  |               | 12-         | <u> </u>   |                           |                   |   |   |                                       |  |                       |  |
|                  | 115.3         | 1           |  |                           |                   |   |   |                                       |  |                       | <del>~ · · · · · · · · · · · · · · · · · · ·</del> |
|                  | ,,,,,,,,,     | 13-         | $I^-$  |                           | ////              | GREEN, STRONG                           | PETROLEUM                               | ODOR                                  |  |                       |  |
| <b></b>          | <del></del>   | 1           |  |                           |                   | , | , |                                       |  |                       |  |
|                  |               | 14-         | $\overline{}$                                    | CL                        |                   |   | .,.,.,                                  |                                       |  |                       |  |
| }                | <u> </u>      | 1           |  |                           |                   |   |   |                                       |  | <del></del>           |  |
| <b> </b>         | <del> </del>  | 15-         |  | -                         | 1///              |   |   | DEI                                   | FUSAL AT 1                             | 5 ET                  |  |
| <b></b>          |               | 1           |  |                           |                   |   | <del></del>                             |                                       |  | D F1.<br>ING = 15 FT. |  |
| <b></b>          |               | 16-         | ļ  | '                         |                   | ļ <del> </del>                          |   | TO TALL DEP                           | IN OF BOR                              | INO = 10 F1.          | <del></del>  |
| <b> </b>         | <u></u>       | 1           |  | i                         |                   |   |   |                                       |  |                       |  |
| <b> </b>         |               | 17-         |  |                           |                   |   |   | No Grour                              | <u>idwater</u>                         | Encountered           |  |
|                  |               | ļ ¨         |  |                           |                   |   | <del></del>                             | <del></del>                           |  |                       |  |
|                  |               | 18-         |  |                           |                   |   |   | <del>,,</del>                         |  | ·                     | - <del></del>                                      |
|                  |               | ."          |  |                           |                   |   |   |                                       |  |                       |  |
| 1                |               | 1           | 1  | i i                       |                   |   |   |                                       |  |                       |  |

|                            | layt         | EX     | PL   | ORAT                              | G OF              | BORING         | CLIENT: _<br>LOCATION<br>LOGGED I | NO.: 70-03 GREEN CITY L I: BY: JE thod: GEOP | OFTS, LLC DF |   |  | BORING NO.  B-10  Sheet 1  of 2       |
|----------------------------|--------------|--------|--|-----------------------------------|-------------------|----------------|-----------------------------------|--|--------------|---|--|---------------------------------------|
| ADEUNE                     |              |        |  | T STREET                          |                   | LINDEN         |                                   | tallation Data                               |              | Hole Dia                                |  |                                       |
|                            | l<br>d Elev. | :      |  |                                   | Datum:            |                |                                   | <del></del>                                  | <del></del>  |   |  |                                       |
|                            | 1 2,011      |        | Γ.   | T                                 | 1                 | Water Level    |                                   |  |              |   | 1                                      |                                       |
| Drilling                   | , nie        | e<br>D | Sam  | Soil<br>Group<br>Symbol<br>(USCS) | Litho-            | Time           |                                   |  |              |   |  | · · · · · · · · · · · · · · · · · · · |
| Drilling<br>Rate<br>FT/MIN | PID<br>OVA   | p<br>t | P  | Symbol                            | graphic<br>Symbol | Date           |                                   |  |              |   |  |                                       |
| ' '''                      |              | h      | ė  | (0505)                            | ,,,,,,            |                | <del></del>                       | DE   | SCRIPTION    | ·/                                      | <del>- L</del>                         |                                       |
|                            |              |        |  | CT                                | ×××××             | CONCRETE       |                                   |  |              |   |  |                                       |
|                            | <del></del>  | ١.     |  |                                   | <u> </u>          | SAMPLE NOT RI  | ECOVERED                          | <del></del>                                  |              | · · · · · · · · · · · · · · · · · · ·   | ····                                   |                                       |
|                            | <u> </u>     | 1 -    |  | 1                                 |                   |                |                                   | <del></del>                                  | •            |   | ······································ | *                                     |
|                            |              | 1      |  | 1                                 |                   |                |                                   | ***************************************      |              |   |  |                                       |
| <del></del>                |              | 2 -    |  | 1                                 |                   |                |                                   |  |              |   |  |                                       |
|                            |              | ł      | _  | 1                                 |                   |                | <del></del> .                     |  |              | · • • • • • • • • • • • • • • • • • • • |  |                                       |
|                            | <b></b>      | 3-     | $\langle \cdot \rangle$                          |                                   | 7777              | CLAY WITH RED  | BRICKS BLAC                       | CK DRY NO O                                  | DOR          |   | · · · · · · · · · · · · · · · · · · ·  |                                       |
|                            |              |        |  | Fill                              |                   | ODAI WITH TES  | DINONO, DE N                      | 514, 5111, 110 01                            |              | · · · · · · · · · · · · · · · · · · ·   |  | <del> </del>                          |
|                            |              | 4-     | -  |                                   |                   |                |                                   |  |              |   | <del></del>                            |                                       |
| <u> </u>                   | <u> </u>     | 1      |  | -                                 |                   |                |                                   |  |              |   |  |                                       |
| <b>——</b>                  | <u> </u>     | 5-     | ļ  | 1                                 |                   |                |                                   |  | ·            |   |  | ····                                  |
| <u> </u>                   | <u> </u>     | -      |  | CL                                |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 6-     | k-   |                                   |                   | STRONG PETRO   | LEUM ODOD                         | <u></u>                                      |              |   |  |                                       |
| <u> </u>                   | 139.6        | -      |  | }                                 |                   | SINUNG PEINO   | LEGIVI ODON                       |  |              |   |  |                                       |
| ļ                          |              | 7 -    |  |                                   |                   |                |                                   |  |              |   |  | <del></del>                           |
| <u> </u>                   |              | -      |  |                                   |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 8 -    |  |                                   |                   | OLAV DLAOVO    | TEN MONT                          | CTOOLO DETD                                  | OLE BA ODOE  |   | <u></u>                                |                                       |
| <u> </u>                   |              | -      |  |                                   |                   | CLAY, BLACK/GF | REEN, MOIST,                      | STRUNG PETR                                  | OLEUM UDUF   |   | <del></del>                            |                                       |
| ļ                          |              | 9 -    | $\sim$   |                                   |                   |                |                                   |  |              |   |  |                                       |
| <u></u>                    |              |        |  |                                   |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 10-    |  | CL                                |                   |                |                                   |  |              |   |  | · · · · · · · · · · · · · · · · · · · |
|                            | <u> </u>     | ļ ."   | igsqcup  | OL.                               |                   |                |                                   |  | <del>,</del> | ····                                    |  | · · · · · · · · · · · · · · · · · · · |
|                            | 14.8         | 11-    |  |                                   |                   |                |                                   |  |              |   |  | <del></del>                           |
| <u> </u>                   |              | ''     |  | ]                                 |                   |                |                                   |  |              |   |  |                                       |
| <u> </u>                   | 22.5         | 12-    |  |                                   |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 1'4    |  |                                   |                   | CLAY WITH SOM  | <u>ie Gravel, Gf</u>              | reen, Dry, Sti                               | RONG PETROL  | EUM ODOR                                |  |                                       |
|                            | <u> </u>     | 13-    |  |                                   |                   |                | ····                              |  |              | *                                       |  |                                       |
| <u></u>                    |              | '3     |  |                                   |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 11-    |  | ]                                 |                   |                |                                   |  |              |   | ·····                                  |                                       |
|                            |              | 14-    |  |                                   |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 15.    |  |                                   |                   |                |                                   |  |              |   |  |                                       |
| L                          |              | 15-    |  | CL                                |                   |                |                                   |  |              |   |  |                                       |
|                            | 26.1         | 10     |  | }                                 |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 16-    |  | ]                                 |                   |                |                                   |  |              |   |  |                                       |
|                            | 2.1          | ]      |  | }                                 |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 17-    | ľ  | 1                                 |                   |                |                                   |  |              |   |  |                                       |
|                            |              | 1,,    |  | 1                                 |                   |                |                                   |  |              |   |  |                                       |
|                            | <del></del>  | 18-    | <del>                                     </del> | 1                                 |                   |                |                                   |  | <del></del>  |   |  |                                       |
| <del> </del>               | <del> </del> | 1      |  | 1                                 |                   |                |                                   | <del></del>                                  |              |   |  |                                       |

| }<br>}           | lay              | EX          | PL   | ORAT                      | G OF   | BORING               | CLIENT:<br>LOCATION<br>LOGGED E        | GREEN CITY L<br>I: | DR  | TE: <u>11/5/02</u> |             | B-10<br>Sheet 2<br>of 2               |
|------------------|------------------|-------------|--|---------------------------|--|----------------------|--|--------------------|---|--------------------|-------------|---------------------------------------|
| ADEUNE<br>STREET |                  |             |  | TSTREET                   |  | LINDEN               |  | tallation Data     |   | Hole Dia.          | : 2 INCH    | 1                                     |
| '                | d Elev.          | .:          |  |                           | Datum:   | ı                    |  |                    |   | ·                  |             |                                       |
|                  | -                | D           | s  |                           |  | Water Level          |  |                    |   |                    |             |                                       |
| Drilling         | PID              | 9           | a  | Soil<br>Group             | Litho-   | Time                 |  |                    | ,   |                    |             |                                       |
| Rate<br>FT/MIN   | OVA              | p<br>1<br>h | P  | Group<br>Symbol<br>(USCS) | graphic<br>Symbol                                | Date                 |  | <u> </u>           |   |                    | <u> </u>    |                                       |
|                  |                  | ļ           | е  |                           | <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del> |                      | ······································ |                    | SCRIPTION                                     |                    |             |                                       |
|                  |                  | 4           | <u> </u>   | 7                         | <i>}////</i>                                     | CLAY WITH SOM        |  |                    |   |                    | <del></del> |                                       |
|                  | 0.0              | 19-         | <u> </u>   | 1                         |  | CLAY WITH GRAY       | VEL, GREEN, N                          | MOIST, STRON       | G PETROLEUM                                   | 1 ODOR             |             | <del></del>                           |
|                  |                  |             |  | , ,                       |  | <b>ADDET LEO DOO</b> | IAL MOIOT DE                           | TDOLEUNA OD        | .00   |                    |             | · · · · · · · · · · · · · · · · · · · |
|                  |                  | 20-         | -  | 1                         |  | GREEN TO BROV        | WN, MOIST, PE                          | IKOLEUM UD         | IOK   |                    |             | - 4.                                  |
| <b> </b>         |                  |             | <u> </u>   | 1                         |  | £                    |  | <u></u>            |   | ···                |             |                                       |
|                  |                  | 21-         |  |                           |  | <del>/</del>         | ·                                      |                    |   |                    |             |                                       |
|                  |                  | -           |  |                           |  | <del>/</del>         |  |                    |   |                    |             | <del></del>                           |
|                  | L                | 22 -        | -  |                           |  | <del>/</del>         |  |                    |   |                    |             |                                       |
|                  |                  | -           | <u> </u>   | ,                         |  | NO ODOR              |  |                    |   |                    |             |                                       |
|                  | ~ <del>~~~</del> | 23-         | -  | 1                         |  | Z ODOR               |  | ·                  |   |                    |             |                                       |
| <b>  </b>        |                  | $\exists$   |  | CL                        |  | ·                    |  |                    |   |                    |             |                                       |
| ļ                | 0.0              | 24-         | _  | 0 2                       |  | <del></del>          |  | <del></del>        | <del></del>                                   |                    |             |                                       |
|                  |                  | -           | $\triangleright$                                 |                           |  | <del>/</del>         |  |                    | <del></del>                                   | ·                  |             |                                       |
| <u> </u>         |                  | 25~         |  | 1                         |  | <del>/</del>         | <del></del>                            | <del></del>        |   | ··· <u>·</u>       | <del></del> |                                       |
|                  |                  | 1           |  | 3                         | <i>}////</i>                                     |                      |  |                    |   |                    |             |                                       |
| <u> </u>         |                  | 26-         | ļ  | 7                         |  | <del>/</del>         |  | *                  | <del></del>                                   |                    |             |                                       |
| ļ                |                  | 1           |  | ,                         |  | <del></del>          |  |                    |   |                    |             |                                       |
|                  | ····             | 27 -        |  | 1                         | <i>\///</i>                                      | <del></del>          |  |                    |   |                    |             |                                       |
|                  | 0.0              | 1           |  | 1                         |  | <del>/,</del>        |  |                    |   |                    |             |                                       |
|                  |                  | 28~         |  | 1                         |  | Ž.                   |  |                    |   |                    | ···         |                                       |
|                  |                  | 1,,         |  |                           | <i>{////</i>                                     | /                    |  |                    | <del></del>                                   |                    |             |                                       |
|                  |                  | 29 -        | <del>                                     </del> |                           |  | /                    | _                                      |                    |   |                    |             |                                       |
|                  | 0.0              | 200         |  |                           |  | 2                    |  |                    |   |                    |             |                                       |
|                  |                  | 30-         |  |                           |  |                      |  | TOTAL DE           | PTH OF BORIN                                  | VG = 30 FT.        |             |                                       |
|                  |                  | 04          |  |                           | ] ;  |                      |  |                    |   |                    |             |                                       |
|                  |                  | 31 -        |  |                           | <b>(</b>   |                      |  | No Gro             | oundwate                                      | r Encoun           | tered       |                                       |
|                  |                  | 200-        |  |                           |  |                      |  |                    |   |                    |             |                                       |
|                  |                  | 32-         |  |                           |  |                      |  |                    |   |                    |             |                                       |
|                  |                  | 33-         |  |                           | <b> </b>   |                      |  |                    |   |                    |             |                                       |
|                  |                  | ار          |  |                           |  | ·                    |  | ·                  |   |                    |             |                                       |
|                  | _                | 34-         | <u> </u>   |                           |  |                      |  | ····               |   |                    |             |                                       |
| ļ                | ,                | J           |  |                           | [  |                      |  |                    |   | <del></del>        |             |                                       |
| <b> </b>         |                  | 35-         | <b> </b>   |                           |  |                      |  |                    |   |                    |             |                                       |
| ļI               |                  | 100         | <u> </u>   |                           |  |                      |  |                    | <del></del>                                   |                    |             |                                       |
| <b> </b>         |                  | 36-         |  |                           | ·  |                      | · · · · · · · · · · · · · · · · · · ·  |                    | T-10-20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | <del></del>        |             |                                       |
| ļ                |                  | -           | <b> </b>   |                           |  |                      |  | <del></del>        |   |                    |             |                                       |

|                            |  | EX               | PL               | ORAT             | G OF              | BORING                                 | CLIENT: _<br>LOCATION<br>LOGGED I   | GREEN CITY L<br>1:<br>BY: JE          | .0FTS, LLC<br>DR                       | TE: 11/5/02       | BORING NO. B-11 Sheet 1 of 2          |
|----------------------------|--|------------------|------------------|------------------|-------------------|--|-------------------------------------|---------------------------------------|--|-------------------|---------------------------------------|
| ADELINE 6                  | locatio  |                  |                  | Ing:<br>TSTREET  |                   | UNDEN<br>STREET                        |                                     | thod: <u>GEOP</u>                     |  | Hole Dia.: 21     | NCH                                   |
|                            | l<br>d Elev.                                     | :                |                  |                  | Datum:            | ı                                      |                                     |                                       | ······································ |                   |                                       |
|                            |  | Ь                | s                |                  |                   | Water Level                            |                                     |                                       |  |                   |                                       |
| Drilling                   | PID  | 9                | a<br>m           | Soil<br>Group    | Litho-            | Time                                   |                                     |                                       |  |                   |                                       |
| Drilling<br>Rate<br>FT/MIN | OVA  | i<br>h           | P                | Symbol<br>(USCS) | graphic<br>Symbol | Date                                   | <u> </u>                            |                                       |  |                   |                                       |
|                            |  |                  | е                |                  |                   |  |                                     | DE                                    | SCRIPTION                              |                   |                                       |
| <u> </u>                   |  |                  | <u> </u>         | CT               | xxxx              |  |                                     |                                       | <u> </u>                               |                   |                                       |
| <u></u>                    |  | 1-               | ļ                |                  |                   | SAMPLE NOT R                           | ECOVERED                            |                                       | · · · · · · · · · · · · · · · · ·      |                   | ·                                     |
| <b></b>                    |  | '                |                  |                  | /////             |  | OFF ATOMA                           | NOTE OF CLUM                          |  |                   |                                       |
| ļ                          | <u> </u>   | 2-               | X                | }                |                   | CLAY, BLACK, M                         | IOIST, STRONG                       | 3 PETROLEUM                           | ODOR                                   |                   |                                       |
| <b> </b>                   | ļ  | -                | k->              |                  |                   |  |                                     |                                       |  |                   |                                       |
| <u> </u>                   | <b> </b>   | 3-               | X                |                  |                   |  |                                     |                                       |  |                   | <del></del>                           |
| <b></b>                    | <del> </del>                                     | 1                |                  |                  |                   | <u></u>                                | ·                                   |                                       |  |                   |                                       |
| <u></u>                    | <u> </u>   | 4-               |                  | ļ                |                   |  |                                     | · · · · · · · · · · · · · · · · · · · |  | <del></del>       |                                       |
| <b></b>                    | <del> </del>                                     | 1                |                  | CL               |                   |  |                                     |                                       |  |                   |                                       |
| <u> </u>                   | <del> </del> -                                   | <del> </del> 5 - | ├—               | 1                |                   |  |                                     |                                       |  |                   |                                       |
| <b></b>                    | <del> </del>                                     | -                |                  | ł                |                   |  | ·                                   |                                       |  |                   |                                       |
| <b></b>                    | <del> </del> -                                   | 6~               |                  | i                |                   |  |                                     |                                       |  |                   | <del></del>                           |
| <u> </u>                   |  | -                | X                | 1                |                   |  |                                     |                                       |  |                   | <del></del>                           |
| <del></del>                | 222.2  | 7 -              |                  | 1                |                   | DARK GRAY/GRI                          | EEN. STRONG                         | PETROLEUM (                           | DDOR                                   |                   |                                       |
| <u> </u>                   | 187.2  |                  | ├─               | 1                |                   |  | · · · · · · · · · · · · · · · · · · |                                       |  |                   |                                       |
| <b>—</b>                   | 101.2  | 8-               | -                |                  |                   | CLAY WITH SAN                          | D (INCREASIN                        | G GRAVEL COI                          | NTENT), BLAC                           | K, MOIST, STRONG  | PETROLEUM ODOR                        |
| <del></del>                |  | 1                |                  | CL               |                   |  |                                     | · · · · · · · · · · · · · · · · · · · |  |                   |                                       |
|                            |  | 9-               | 1                |                  |                   | CLAY, DARK GRA                         | AY/GREEN, MC                        | IST, STRONG                           | PETROLEUM C                            | DOR               |                                       |
|                            |  | 10-              | X                | ]                |                   |  |                                     |                                       |  |                   |                                       |
|                            |  | ] 10-            |                  | ]                |                   |  |                                     |                                       |  |                   |                                       |
|                            |  | 11-              |                  | ]                |                   |  |                                     |                                       | ····                                   |                   |                                       |
|                            | ļ  | ["               |                  |                  |                   | <u> </u>                               |                                     |                                       |  |                   |                                       |
|                            |  | 12-              |                  |                  |                   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                                     |                                       |  |                   |                                       |
| <u></u>                    |  | '`               |                  | {                |                   |  |                                     | <del></del>                           |  |                   |                                       |
| <u> </u>                   | 70.8   | 13-              | <u> </u>         | CL               |                   |  | <del></del>                         | ·                                     |  |                   |                                       |
| <u></u>                    | ļ  | '                | <u> </u>         |                  |                   |  |                                     |                                       | `                                      |                   |                                       |
| <b></b>                    | <b></b>  | 14-              |                  | }                |                   |  |                                     |                                       |  | <del></del>       |                                       |
|                            | ļ  | ``               | <del> </del>     | -                |                   |  |                                     |                                       |  |                   |                                       |
| <u> </u>                   | <del>                                     </del> | 15-              |                  | 1                |                   |  |                                     |                                       |  |                   | <del></del>                           |
|                            | 04 3   | 1                | $\triangleright$ | -                |                   |  |                                     |                                       |  |                   |                                       |
| <del> </del>               | 31.7   | 16-              |                  | 1                | ////              |  |                                     |                                       | <del></del>                            |                   |                                       |
| <del></del>                |  | -                |                  | 1                |                   |  | ····-                               | ·····                                 | ····                                   | <del></del>       |                                       |
| <del></del>                |  | 17-              | $\vdash$         | <del> </del>     | ////              | CLAY WITH SAN                          | D (INCREASIN                        | G GRAVEL COI                          | NTENT), GREFI                          | N, DRY, STRONG PE | TROLEUM ODOR                          |
|                            | 142.1  | 1                |                  | 1                |                   | 32                                     | - 1                                 |                                       | , ,                                    | ,                 |                                       |
|                            | 174.1  | 18-              | -                | CL               |                   |  |                                     | ·                                     | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ·                 | <del></del>                           |
| <del></del>                | <del> </del>                                     | 1                |                  | 1                | V///              |  |                                     |                                       | <del></del>                            |                   | · · · · · · · · · · · · · · · · · · · |

| <b>3</b> 5                 | Clay   |      |             | LO<br>ORAT                | G OF<br>ORY       | BORING                                | CLIENT: _       | GREEN CITY L<br>1:                     | OFTS, LLC                             | ATE: 11/5/02<br>RILLER: ECA | BORING NO. B-11 Sheet 2 of 2           |
|----------------------------|--|------|-------------|---------------------------|-------------------|---------------------------------------|-----------------|--|---------------------------------------|-----------------------------|--|
| Field                      | locatio                                      | n of |             |                           |                   |                                       |                 | thod: GEOP                             |                                       |                             |  |
|                            |  |      | 418         | T STREET                  |                   |                                       |                 |  |                                       | Hole Dia.: _                | 2 INCH                                 |
| ADELINE<br>STREET          |  |      |             |                           |                   |                                       | Casing Ins      | tallation Data                         | ı <u>:</u>                            | ·····                       | <del></del>                            |
| 948                        |  | •    | B-11        |                           |                   | STREET                                |                 |  |                                       |                             |  |
| Groun                      | d Elev.                                      | :    |             |                           | Datum:            |                                       |                 |  |                                       |                             |  |
|                            |  | D    | S           | Soil                      |                   | Water Level<br>Time                   |                 |  |                                       |                             |  |
| Drilling<br>Rate<br>FT/MIN | PID<br>OVA                                   | P    | a<br>m<br>p | Group<br>Symbol<br>(USCS) | Litho-<br>graphic | Date                                  | <del> </del>    |  |                                       |                             |  |
| FUMIN                      |  | h    | 9           | (ÚSCS)                    | Symbol            | Daio                                  | <u> </u>        | DE                                     | SCRIPTION                             |                             | <u></u>                                |
|                            | <u>                                     </u> | _    | <u> </u>    |                           | ////              | CLAY WITH SAN                         | D (INCREASIN    |  |                                       |                             | PETROLEUM ODOR                         |
|                            |  | 19-  |             |                           |                   |                                       |                 |  |                                       |                             |  |
|                            |  | 19   |             | ]                         |                   |                                       |                 |  |                                       |                             |  |
|                            | 7.7  | 20-  |             | CL                        |                   |                                       | ******          |  | ,                                     |                             |  |
| <u> </u>                   |  | -~   | <u> </u>    | •                         |                   |                                       |                 |  | <del></del>                           |                             |  |
|                            | 62.7   | 21 - |             |                           |                   |                                       |                 |  |                                       |                             |  |
|                            | <del> </del>                                 | -    | ├—          | ĺ                         |                   |                                       |                 | <u> </u>                               | · · · · · · · · · · · · · · · · · · · |                             |  |
|                            | -  | 22 - |             |                           |                   | CLAY, YELLOWIS                        | SH OBANGE M     | IOIST NO ODO                           | ıΩ                                    |                             |  |
|                            | 23.2   |      |             | ĺ                         |                   | ODAI, ILLEONIC                        | III OHNIYOL, IV | icioi, No obc                          | 111                                   |                             |  |
|                            | 20.2   | 23-  |             | <b> </b>                  |                   | <del></del>                           | <del></del>     |  |                                       |                             |  |
|                            |  | ]_,_ |             |                           |                   |                                       |                 |  |                                       |                             |  |
|                            |  | 24-  | $\geq$      | CL                        |                   |                                       | ·               |  |                                       |                             |  |
| <b> </b>                   | ļ  | 25-  |             |                           |                   |                                       | <u></u> -       |  |                                       |                             |  |
| <b> </b>                   | <u> </u>                                     | -    | <u> </u>    | <u> </u>                  |                   |                                       |                 | <u></u>                                |                                       |                             |  |
|                            | 0.0  | 26-  |             |                           |                   |                                       |                 |  |                                       |                             | —————————————————————————————————————— |
| <b></b>                    |  |      | <b></b>     |                           |                   |                                       |                 |  |                                       |                             |  |
|                            |  | 27-  |             |                           | 7777              |                                       | ····            | TOTAL DE                               | PTH OF BOR                            | NG = 27 FT.                 |  |
|                            |  | 200  |             |                           |                   |                                       |                 |  |                                       |                             |  |
|                            |  | 28-  |             |                           |                   |                                       |                 | No Grou                                | undwate                               | Encountere                  | ed                                     |
|                            |  | 29 - |             |                           |                   |                                       |                 |  |                                       |                             |  |
| <u> </u>                   | <u> </u>                                     |      | ļ           |                           | ļ                 |                                       |                 |  | ¬                                     | <del></del>                 | ·                                      |
| -                          | -  | 30-  | ļ           |                           |                   |                                       |                 |  |                                       |                             |  |
| <u> </u>                   | <del> </del>                                 |      |             |                           |                   |                                       | ···             |  |                                       |                             |  |
| <u> </u>                   |  | 31 - |             | ,                         |                   |                                       |                 | ************************************** |                                       | ·                           | ·                                      |
|                            |  | 20 - |             |                           |                   |                                       |                 |  |                                       | ,                           |  |
|                            |  | 32-  |             |                           |                   |                                       |                 |  |                                       |                             | ,                                      |
| <b></b>                    |  | 33 - |             |                           |                   |                                       |                 | ·····                                  |                                       |                             |  |
|                            |  | 34-  |             |                           |                   |                                       |                 |  |                                       |                             |  |
|                            |  | J-7  |             |                           |                   |                                       |                 | <del></del>                            |                                       |                             | · · · · · · · · · · · · · · · · · · ·  |
|                            |  | 35 - |             |                           |                   | · · · · · · · · · · · · · · · · · · · |                 |  | <del></del>                           |                             |  |
| <del></del>                | <del> </del> -                               |      |             |                           | [ [               |                                       | ·- <u></u>      | <u> </u>                               |                                       |                             |  |
|                            |  | 36 - |             |                           |                   |                                       |                 | ·                                      |                                       |                             |  |
| <del> </del>               | <del> </del> -                               | 1    |             |                           |                   | <del></del>                           | <del></del>     | <del></del>                            |                                       |                             |  |

|                            | Clay   | RVIC             | E S  |  | G OF   |                  |                 | GREEN CITY                            | 3365.01 DA<br>LOFTS, LLC               | NTE: 11/4/0                 | 2             | BORING NO. B-12 Sheet 1 |
|----------------------------|--|------------------|--|--|--|------------------|-----------------|---------------------------------------|--|-----------------------------|---------------|-------------------------|
|                            |  | EX               | PL   | ORAT   | ORY  | BORING           | LOGGED          | BY: JE                                | DF                                     | RILLER: EC                  | Δ             | of 1                    |
| Field                      | iocatio  | n of             | bor  | Ing:   |  |                  | ·               | thod: GEOP                            |  |                             | <u> </u>      | <u> </u>                |
| ' '                        |  |                  |  | T STREET   | ,  | _                | Dinning mo      | :HIOU                                 | NOUL                                   | Hole Dia                    | .: 2 INCH     | 1                       |
| 1                          |  |                  | ● B-   | 12   |  | <b>一</b>         | Cacing Ins      | taliation Data                        |  | ,,,,,                       |               | ·                       |
| ADELINE<br>STREET          |  |                  |  |  |  | UNDEN            | Vasing me       | lananon ban                           | a <u>:</u>                             |                             |               |                         |
| g g                        |  |                  |  |  |  | ZE W             |                 |                                       |  |                             |               |                         |
|                            | ।<br>ad Elev.                                    | .:               |  |  | Datum:                                       | 1                |                 | <del></del>                           | <del></del>                            |                             |               |                         |
|                            |  | D                | s  |  |  | Water Level      | <del> </del>    | T                                     | 1                                      |                             | Ţ             |                         |
| Drilling                   | PID  | l e              | a<br>m   | Soil   | Litho-                                       | Time             | <u> </u>        |                                       | <del> </del>                           |                             | †             |                         |
| Drilling<br>Rate<br>FT/MIN | OVA  | p                | p  | Group<br>Symbol<br>(USCS)                        | graphic<br>Symbol                            | Date             |                 | <del> </del>                          |  | <del></del>                 | <del> </del>  | <del></del>             |
| ' ''''                     |  | h                | e  | (0505)   | ),   | J                | <del></del>     | Di                                    | ESCRIPTION                             | _ <del></del>               |               |                         |
|                            | <del> </del>                                     | +                | †  |  | (XXXX  | CONCRETE         |                 | <del></del>                           |  |                             | <del></del>   |                         |
|                            |  | 1,               |  | CT   | K  | 7                |                 |                                       |  | <del></del>                 |               |                         |
| <b></b>                    | <del>                                     </del> | 1 -              | <del> </del>                                     | -:,, <i>'</i>                                    | <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i> | CLAY WITH SANI   | D. SOME GRA     | VEL (FILL), RE                        | DDISH BROWN                            | N DRY NO OD                 | inr           |                         |
| <b> </b>                   | 4.2  | 1                | -  | Fill   | X///   | <del>/</del>     |                 | , , , , , , , , , , , , , , , , , , , | <u> </u>                               | 1) 5000                     | <u> </u>      |                         |
| <b>-</b>                   | <del> </del>                                     | - 2 -            | †  | <del>                                     </del> | 1///   | CLAY, BLACK, DR  | RY, NO ODOR     |                                       |  |                             |               |                         |
| <b></b>                    | <del>                                     </del> | 1                | X  |  | <i>\$////</i>                                | <del>/</del>     | 11,740 0        | <u></u>                               |  |                             | ···           |                         |
| <u> </u>                   | <del> </del>                                     | 3 -              |  | 1 2  | <i>\///</i>                                  | <del>/</del>     | <del>-</del>    |                                       |  |                             |               |                         |
| <b> </b>                   | <del> </del>                                     | 1                |  | 1 /  | <i>\\\\\</i>                                 | <del> </del>     |                 |                                       |  |                             |               |                         |
| <b> </b>                   | <del> </del>                                     | - 4 -            | +  | 1 :  | (///   | <del>[</del>     | <del></del>     |                                       | ······································ |                             | -             |                         |
| <b></b>                    | 3.1  | 1                |  | 1  |  | <del>/</del>     |                 |                                       |  | <del></del>                 |               |                         |
| ļ                          | 3.1  | - 5              | <del> </del>                                     | 7  | <i>\///</i>                                  | <del>/</del>     |                 | <del>, , ,</del>                      |  | <del></del>                 |               |                         |
| <b> </b>                   | <del>                                     </del> | ┥                |  | 1 5  | <i>\///</i>                                  | <del>}</del>     |                 |                                       |  |                             |               |                         |
| <b> </b>                   |  | - 6              | $\vdash$   | /  |  | <del>[</del>     | ·               | <del></del>                           | <del></del>                            | ·                           |               |                         |
| <b></b>                    | <del> </del>                                     | 1                | >  | 1  |  | <del></del>      |                 | <del></del>                           |  | ·····                       |               | -                       |
|                            | <del> </del>                                     | <del> </del> 7 - | $\leftarrow$                                     |  | <i>Y///</i>                                  | BLACK, MOIST, N  |                 |                                       |  |                             | <del></del>   |                         |
| <b> </b>                   | <del> </del>                                     | $\dashv$         | $\vdash$   | }  | <i>\///</i>                                  | DEAON, MOIOT, 1  | NO ODOM         |                                       |  |                             |               |                         |
| <b> </b>                   | <del> </del>                                     | - 8              |  | 7  | 1///   | <del>{</del>     |                 |                                       |  |                             |               |                         |
| <b> </b>                   | 140  | 1                |  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \            | <i>{///}</i>                                 | MOIST, PETROLE   | CHW UDUB        |                                       |  |                             | ************* |                         |
| <del> </del>               | 14.8   | 9 -              | <del>  .  </del>                                 | CL   |  | WIOIST, I ETTOLL | TOM ODOM        |                                       |  |                             |               |                         |
|                            | <del> </del>                                     | +                | $\vdash$   |  |  | <del> </del>     |                 |                                       |  |                             |               | <del></del>             |
|                            | <del>                                     </del> | 10-              | <del>  </del>                                    | ?  | V///   | GREEN, STRONG    | OETDOLEUM       | ADAD                                  |  | <del></del>                 |               |                         |
|                            | 74.6   | d                |  | 1 2  | (///   | GREEN, STRONG    | 1 FEI NULLUIVI  | UUUN                                  |  | Part                        |               |                         |
| <b> </b>                   | 71.6   | 11-              | <del>                                     </del> |  |  | b <del></del>    |                 |                                       | <del></del>                            | <u> </u>                    |               |                         |
|                            |  | -                |  |  |  | <del></del>      |                 |                                       | <del></del>                            | <del></del>                 |               | <del></del>             |
| <b> </b>                   | <del> </del>                                     | 12-              | <del> </del>                                     |  |  | <del>/</del>     | <del></del>     |                                       |  |                             |               |                         |
|                            | <del></del>                                      | -                |  | 2  | ////   | <del>(</del>     |                 |                                       |  |                             |               |                         |
| <b>  </b>                  | <del> </del>                                     | 13-              |  | 2  | 1///   | f <del>:</del>   | <del></del>     |                                       |  |                             |               |                         |
| ļ                          | ļ  | -                | $\vdash$   |  | (///   | <u> </u>         |                 | <u> </u>                              |  |                             |               |                         |
| <b> </b>                   | <del> </del>                                     | 14-              | <del>  </del>                                    |  | 1///   | COPEN MOIOT      | חבות העות הבינו | OLEUMA ODOE                           |  |                             | <del></del>   |                         |
| <b> </b>                   |  | -                |  |  |  | GREEN, MOIST, S  | OTHUNG PEIN     | ULEUW UDU                             | {                                      |                             |               |                         |
| <u> </u>                   | 206.8  | 15-              | $\dashv$   | 1 7  | ////   | <del>/</del>     |                 |                                       |  |                             |               |                         |
|                            | <b> </b>   | -                | $\square$  |  | 1///   | <del>/</del>     |                 | ····                                  |  |                             |               |                         |
| <b> </b>                   | <b> </b>   | 16-              | $\vdash$   | . 1  | (///)  | <i></i>          |                 |                                       | ·                                      | ·                           |               |                         |
| <b> </b>                   | <b> </b>   | '                | $\square$  | i 3  | 1///   | 6                |                 |                                       | <del></del>                            |                             |               |                         |
| ļ                          |  | 17-              |  |  | 1///4  | <u>/</u>         |                 |                                       |  |                             |               |                         |
| <u> </u>                   | ļ  | ļ I              | $\square$  |  |  |                  | <del></del> _   | TOTAL DE                              | PTH OF BORIN                           | $\sqrt{G} = 17 \text{ FT.}$ |               |                         |
| L                          |  | 18-              | <u> </u>   |  |  | J <del></del>    |                 |                                       |  |                             |               |                         |
| <u></u>                    | ļ  | ] ''             |  |  |  | <del> </del>     |                 |                                       | r Encoun                               | tered at 1                  | <u>4'</u>     |                         |
| 1 !                        | 1  | 1                |  |  | 1 1  | i                | at "            | Time of D                             | rilling                                |                             |               |                         |

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| ~ <del>~~~</del>            | lay          | EX             | PL               | ORAT                      | G OF<br>ORY       | BORING          | CLIENT: _<br>LOCATION<br>LOGGED | GREEN CITY I   | _OFTS, LLC<br>DI                       | ATE: 11/5/02<br>RILLER: ECA                     | BORING NO. B-13 Sheet 1 of 2 |
|-----------------------------|--------------|----------------|------------------|---------------------------|-------------------|-----------------|---------------------------------|----------------|--|---|------------------------------|
| ADELINE<br>STREET           |              | B-13           |                  | TSTREET                   |                   | LINDEN          |                                 | tallation Data |  | Hole Dia.:                                      | 2 INCH                       |
|                             | i<br>d Elev. | .:             |                  |                           | Datum:            | B .             |                                 |                | · ·                                    |   |                              |
|                             |              | D              | s                |                           |                   | Water Level     |                                 |                |  |   |                              |
| Drilling                    | PID          | e<br>p         | a                | Soil<br>Group             | Litho-            | Time            |                                 |                |  |   |                              |
| Drilling<br>Plate<br>FT/MIN | OVA          | h              | P                | Group<br>Symbol<br>(USCS) | graphic<br>Symbol | Date            |                                 |                |  |   |                              |
|                             | <u> </u>     | <u> </u>       | е                |                           |                   |                 |                                 | DE             | SCRIPTION                              | l .   |                              |
|                             |              | -              | $\vdash$         | AS                        |                   | ASPHALT         | DV NO 0000                      |                |  |   |                              |
|                             |              | 1 -            | <del> </del>     | 1                         |                   | CLAY, BLACK, DI | RY, NO ODOR                     | <del></del>    |  |   | ·····                        |
|                             | <u> </u>     | -              | $\triangleright$ | 1                         |                   |                 |                                 |                |  |   |                              |
| <del></del>                 | <u> </u>     | 2 -            |                  | 1                         |                   | <u></u>         |                                 |                |  |   |                              |
|                             | 3.8          | 1              |                  | 1                         |                   |                 |                                 |                |  |   |                              |
| <u> </u>                    | 0.0          | { 3 -          |                  | 1                         |                   |                 |                                 |                |  | · · · ·   |                              |
|                             | <del> </del> | 1,             |                  |                           |                   |                 |                                 |                |  |   |                              |
|                             |              | 4 -            | <del> </del> -   |                           |                   |                 | ·                               |                |  |   |                              |
|                             |              | ] _            | X                | ]                         |                   |                 |                                 |                |  |   |                              |
|                             |              | 5-             |                  | ]                         |                   |                 |                                 |                |  |   |                              |
|                             | 3.5          | 6-             |                  | CL                        |                   |                 |                                 |                |  |   |                              |
|                             |              | ] "            |                  | ] 00                      |                   | PETROLEUM OD    | OR                              |                |  |   |                              |
| <u> </u>                    |              | 7-             |                  | }                         |                   |                 |                                 |                |  |   |                              |
| <u> </u>                    |              | ′              |                  |                           |                   |                 |                                 |                |  |   |                              |
|                             |              | 8 -            | $\times$         | 1                         |                   |                 |                                 |                |  |   |                              |
| <u> </u>                    |              |                |                  |                           |                   | DI AOMODEEN I   | MOIOT OTROL                     | IO DETROI EUR  |  |   |                              |
| <del></del>                 | 27.1         | 9 -            |                  | -                         |                   | BLACK/GREEN, I  | MOIST, STRUN                    | IG PETHOLEUI   | M ODOK                                 |   |                              |
| <del></del>                 |              | $\downarrow$   | _                | -                         |                   |                 |                                 |                |  | ···   |                              |
|                             |              | 10-            |                  | 1                         |                   |                 |                                 |                |  |   |                              |
| <u> </u>                    |              | ł              |                  | -                         |                   |                 |                                 |                |  |   |                              |
|                             |              | 11-            |                  | 1                         |                   |                 |                                 |                | <del></del>                            |   |                              |
| <del></del>                 | 10.9         |                |                  | 1                         |                   |                 |                                 |                | ······································ | · <del> · · · · · · · · · · · · · · · · ·</del> |                              |
|                             | 10.5         | 12-            |                  | 1                         |                   | <del></del>     | <del> </del>                    |                |  |   |                              |
|                             |              | 1,             |                  | 1                         |                   |                 |                                 |                | <del></del>                            | <del> </del>                                    |                              |
|                             | <del></del>  | 13-            |                  | <u> </u>                  |                   | CLAY WITH SAN   | D (INCREASIN                    | G GRAVEL COI   | NTENT), GREE                           | N, MOIST, STRON                                 | IG PETROLEUM ODOR            |
|                             |              | ۱,             | $\times$         | ]                         |                   |                 |                                 |                |  |   |                              |
|                             |              | 14-            |                  | CL                        |                   |                 |                                 |                |  |   |                              |
|                             | 50,4         | 15-            |                  | ~~                        |                   |                 |                                 |                |  |   |                              |
|                             |              | انا            |                  |                           |                   |                 |                                 |                |  |   |                              |
|                             |              | 16-            | <u> </u>         |                           |                   |                 |                                 |                |  |   |                              |
|                             |              | ' <sup>'</sup> | <u> </u>         |                           |                   | CLAY, GREEN, M  | OIST, STRONG                    | PETROLEUM      | ODOR                                   |   |                              |
|                             | 0.0          | 17-            | ļ                |                           |                   | DDOUBL NO CO    | ^^                              | <u> </u>       |  | <del>.</del>                                    | <del></del>                  |
|                             | · ·          | ``             |                  | CL                        |                   | BROWN, NO OD    | UH                              |                |  |   |                              |
|                             |              | 18-            | -                | ļ                         |                   |                 | <del> </del>                    |                |  | <del></del>                                     | <del></del>                  |
| <del></del>                 | -            | 1              |                  |                           |                   |                 |                                 |                | · · · · · · · · · · · · · · · · · · ·  |   |                              |

|                            | Clay        |           |              | LO<br>ORAT                        | G OF              | BORING                                | PROJECT<br>CLIENT: _<br>LOCATION<br>LOGGED I | GREEN CITY L<br>1: | OFTS, LLC                               | TE: 11/5/02                             | BORING NO. B-13 Sheet 2 of 2          |
|----------------------------|-------------|-----------|--------------|-----------------------------------|-------------------|---------------------------------------|--|--------------------|---|---|---------------------------------------|
| Field                      | locatio     |           |              |                                   |                   |                                       | 1  | thod: GEOP         |   | ILLER: EVA                              |                                       |
|                            |             |           |              | T STREET                          |                   | $\overline{}$                         | Diming Mo                                    | <u></u>            |   | Hole Dia.: 2                            | INCH                                  |
| ADELINE<br>STREET          | _           |           |              |                                   |                   | LINDEN                                | Casing Ins                                   | tallation Data     | 1:                                      |   |                                       |
| STE                        | •           | B-13      |              |                                   |                   | Z S                                   |  |                    |   |   |                                       |
| Groun                      | d Elev.     | :         | I            | <del></del>                       | Datum:            |                                       |  |                    | <u> </u>                                | <u></u>                                 |                                       |
| Deilling                   |             | D         | Sa           | Soil                              | Litho-            | Water Level<br>Time                   |  |                    |   |   |                                       |
| Drilling<br>Rate<br>FT/MIN | PID<br>OVA  | p         | E P          | Soil<br>Group<br>Symbol<br>(USCS) | graphic<br>Symbol | Date                                  |  |                    |   |   |                                       |
| 1 CT/WIIN                  |             | h         | <del> </del> | (USCS)                            | Symbol            |                                       | J  | DE                 | SCRIPTION                               |   | <del></del>                           |
|                            |             |           |              |                                   |                   | YELLOWISH OR/                         | ANGE, MOIST,                                 | NO ODOR            |   |   |                                       |
|                            |             | 19-       |              |                                   |                   | <del> </del>                          |  |                    |   |   |                                       |
| ļ                          |             | -         | <u> </u>     |                                   |                   |                                       |  |                    |   |   | <del></del>                           |
|                            | 0.0         | 20 -      |              |                                   |                   |                                       |  |                    |   |   |                                       |
| ļ                          |             | 1         | ·            |                                   |                   |                                       |  |                    |   |   | · · · · · · · · · · · · · · · · · · · |
| }                          |             | 21 -      |              |                                   |                   |                                       |  |                    | _                                       |   |                                       |
| <u></u>                    |             | 1         |              |                                   |                   |                                       |  |                    | <u> </u>                                |   |                                       |
|                            |             | 22~       |              |                                   |                   |                                       |  |                    |   |   |                                       |
|                            |             | 23-       |              |                                   |                   |                                       |  |                    |   |   |                                       |
|                            |             | 23        |              |                                   |                   |                                       |  |                    |   |   |                                       |
|                            | 3.5         | 24-       | ļ            | CL                                |                   |                                       |  |                    | <del></del>                             |   |                                       |
| ļ                          |             | -         |              |                                   |                   |                                       |  |                    |   |   |                                       |
| ļ                          |             | 25 -      | <del> </del> |                                   |                   |                                       |  |                    |   |   |                                       |
| <del> </del>               | 0.0         | 1         |              |                                   |                   |                                       |  |                    |   |   |                                       |
| <u> </u>                   | 0.0         | 26-       |              |                                   |                   |                                       |  |                    | ·- ·· · · · · · · · · · · · · · · · · · | -                                       |                                       |
| *                          |             | 07        |              |                                   |                   |                                       |  |                    |   |   |                                       |
| _                          |             | 27-       |              |                                   |                   |                                       |  |                    |   |   |                                       |
| <u> </u>                   |             | 28-       |              |                                   |                   |                                       |  |                    |   |   | <del></del>                           |
|                            |             | -         |              |                                   |                   |                                       |  |                    |   |   |                                       |
|                            | 0.0         | 29-       |              |                                   |                   |                                       |  |                    |   | <del></del>                             | <del></del>                           |
| <b></b>                    |             | 1         | -            | 1                                 |                   | ·····                                 |  |                    |   |   |                                       |
| <u> </u>                   |             | 30-       |              |                                   | 7224              |                                       |  | TOTAL DE           | PTH OF BORI                             | VG = 30 FT.                             |                                       |
| <b></b>                    |             | 1         |              |                                   |                   | <u></u>                               |  |                    |   | 10 00 11                                |                                       |
|                            |             | 31 -      |              | _                                 |                   | <del></del>                           |  | No Gro             | undwater                                | Encountere                              | ed                                    |
|                            |             | ]<br>32 - |              |                                   |                   |                                       |  |                    |   |   |                                       |
|                            |             | 32        |              |                                   |                   |                                       |  |                    | <del></del> -                           |   |                                       |
|                            | <del></del> | 33 -      |              |                                   |                   |                                       | ,  |                    | <del></del>                             | <del></del>                             | <del></del>                           |
|                            |             |           |              |                                   |                   |                                       |  |                    |   | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                                       |
|                            |             | 34~       |              |                                   |                   |                                       |  |                    |   |   |                                       |
|                            |             | 35 -      |              |                                   |                   |                                       |  |                    |   |   |                                       |
| <b></b>                    |             | 30        |              |                                   |                   |                                       |  |                    |   |   |                                       |
|                            |             | 36 -      | ļ            |                                   |                   | · · · · · · · · · · · · · · · · · · · |  |                    |   |   |                                       |
| <del></del>                |             | -         |              |                                   |                   |                                       |  |                    |   |   | <u> </u>                              |

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|                            |              | EX             | PL               | ORAT                      | G OF                            | BORING           | CLIENT: _<br>LOCATION<br>LOGGED | GREEN CITY I<br>N:                     | LOFTS, LLC   | ATE: 11/4/02  |                  | BORING NO.  B-14  Sheet 1  of 1       |
|----------------------------|--------------|----------------|------------------|---------------------------|---------------------------------|------------------|---------------------------------|--|--------------|---------------|------------------|---------------------------------------|
|                            | locatio      | n of<br>● 8-14 | 415              | ING:<br>T STREET          |                                 |                  |                                 | ethod: GEOP                            |              | Hole Dia      | .: <u>2 INCH</u> |                                       |
| ADELINE                    |              |                |                  |                           |                                 | LINDEN<br>STREET | <del></del>                     |  |              |               | <u> </u>         |                                       |
| Groun                      | d Elev       | .:             |                  |                           | Datum:                          | ,                |                                 |  |              |               |                  |                                       |
|                            |              | D              | S                | Soil                      |                                 | Water Level      |                                 | <u> </u>                               |              | ļ             | ļ                |                                       |
| Drilling<br>Rate<br>FT/MIN | PID          | P<br>t         | m                | Group<br>Symbol<br>(USCS) | Litho-<br>graphic               | Time             | <u> </u>                        |  | ļ            |               | <u> </u>         |                                       |
| FT/MIN                     | OVA          | h              | p<br>l<br>e      | (ÚSCS)                    | graphic<br>Symbol               | Date             |                                 | D.F.                                   | SCRIPTION    | <u> </u>      | L                |                                       |
|                            | <del> </del> | ┼              | <del>  </del>    |                           | <u> </u>                        | CONCRETE         |                                 | - DI                                   | 230AIP HON   | <u> </u>      |                  |                                       |
| <u> </u>                   |              | 1.             |                  | CT                        | *****<br>*****<br><u>*</u> **** | OOMONETE         |                                 |  |              |               |                  |                                       |
|                            | 0.0          | 1 -            |                  |                           | ////                            | CLAY WITH SAN    | D, SOME GRA                     | VEL (FILL), RE                         | DDISH BROW   | N, DRY, NO OD | OR               | ····                                  |
|                            |              | 2-             |                  |                           |                                 |                  |                                 |  |              |               |                  |                                       |
|                            |              | ] '            |                  |                           |                                 |                  |                                 |  |              |               |                  |                                       |
|                            |              | - 3 -          | $\bowtie$        | CL                        |                                 |                  |                                 |  |              | ·····         |                  | *·                                    |
|                            |              | Į Ŭ            | <u> </u>         |                           |                                 |                  |                                 |  |              |               |                  |                                       |
|                            | 2.4          | 4-             | ļ                |                           |                                 |                  |                                 |  |              | <del></del>   |                  | · · · · · · · · · · · · · · · · · · · |
| <u> </u>                   |              | -              | <u> </u>         | -                         |                                 |                  |                                 |  |              |               |                  | ·                                     |
|                            | <u> </u>     | - 5            | <del> </del>     |                           |                                 | CLAY, BLACK, D   | DV NO ODOD                      | ,··                                    |              |               |                  |                                       |
|                            | 10.0         | ┨              | -                | 1                         |                                 | CLAT, DLACK, D   | חז, וזט טטטח                    |  |              |               |                  |                                       |
| <del> </del>               | 18.8         | - 6            | -                | }                         |                                 |                  | <del></del>                     |  |              |               |                  |                                       |
|                            | <u> </u>     |                | $\triangleright$ |                           |                                 |                  | <del></del>                     |  |              |               | ·                |                                       |
| <b></b>                    |              | 7-             |                  | 1                         |                                 |                  | ···                             |  | ·            |               |                  | · · · · · · · · · · · · · · · · · · · |
|                            | 0.0          | 1              | -                | 1                         |                                 |                  |                                 |  |              |               |                  |                                       |
|                            |              | 8-             |                  | 1                         |                                 | MOIST            |                                 |  |              |               |                  |                                       |
|                            |              | ]<br>9-        |                  |                           |                                 |                  |                                 |  |              |               |                  | _                                     |
|                            |              | ] "            |                  |                           |                                 |                  |                                 |  |              |               |                  |                                       |
| <u></u>                    | 107.4        | 10-            |                  |                           |                                 |                  |                                 |  |              |               |                  |                                       |
|                            |              | ↓"             | <u> </u>         |                           |                                 | STRONG PETRO     | LEUM ODOR                       |  |              |               |                  |                                       |
|                            | <u></u>      | 11-            | ļ                | CL                        |                                 |                  |                                 | <del></del>                            |              |               |                  |                                       |
| <u> </u>                   |              | 1              | ┝                |                           |                                 |                  |                                 |  |              |               | -                |                                       |
|                            |              | 12-            |                  |                           |                                 | -                |                                 | ······································ | <del></del>  |               |                  | ·                                     |
| ļ                          |              | 1              | X                |                           |                                 | GREEN, STRONG    | 3 PETROLEUM                     | ODOR                                   |              |               | <del></del> -    |                                       |
|                            |              | 13-            | <u> </u>         | $\nabla$                  |                                 | ·                |                                 |  |              |               |                  | 4                                     |
|                            |              | 1              |                  | 1                         |                                 |                  |                                 |  |              |               |                  |                                       |
|                            |              | 14-            |                  | ]                         |                                 |                  |                                 | -                                      |              |               |                  |                                       |
|                            |              | 15-            |                  |                           |                                 |                  |                                 |  |              |               |                  |                                       |
|                            |              | 10-            |                  |                           |                                 |                  |                                 |  |              |               |                  |                                       |
| <u> </u>                   | 47.1         | 16-            | ļ                |                           |                                 |                  |                                 |  |              |               |                  |                                       |
|                            | ļ            | ՝՝             | <u></u>          |                           |                                 | <del> </del>     |                                 |  |              |               |                  | <u> </u>                              |
|                            | <u> </u>     | 17-            | -                |                           |                                 |                  |                                 | TOTAL DE                               | DTU OF BOD   | NO 17 CT      | ·                |                                       |
|                            |              | {              | ├                |                           |                                 |                  | <del></del>                     | TOTAL DE                               | PTH OF BOR   | NG = 1/ Fl.   |                  |                                       |
| <u> </u>                   |              | 18-            | -                |                           |                                 | ····             |                                 | Group                                  | twater E     | ncountere     | d at 12          | 1                                     |
|                            |              | 1              |                  |                           |                                 |                  |                                 |  | e of Drillin |               | <u> </u>         | · · · · · · · · · · · · · · · · · · · |

|  | lay          | EX              | PL             | ORAT                      | G OF<br>ORY                 | BORING         | CLIENT: LOCATION                        | GREEN CITY L<br>N: | OFTS, LLC      | DATE: 11/4/02                           |                | BORING NO.  B-15  Sheet 1  of 1 |
|--|--------------|-----------------|----------------|---------------------------|-----------------------------|----------------|---|--------------------|----------------|---|----------------|---------------------------------|
| ADELINE<br>STREET                                | ● B-15       |                 |                | TSTREET                   | <del> </del>                | LINDEN         |   | stallation Data    |                | Hole Dia.                               | : 2 INCH       |                                 |
| 4 4  |              |                 |                |                           |                             | M dE           |   |                    |                |   |                |                                 |
| Groun  | d Elev.      | :               |                | <del></del>               | Datum:                      |                | <u> </u>                                | <del></del>        |                | <del></del>                             | Τ              |                                 |
| \  | <b> </b><br> | 9               | Sa             | Soil                      | 1                           | Water Level    |   | <del> </del>       |                |   | <del> </del>   |                                 |
| Drilling<br>Rate<br>FT/MIN                       | PID<br>OVA   | P               | m              | Group<br>Symbol<br>(USCS) | Litho-<br>graphic<br>Symbol |                |   | <del> </del>       | <del> </del>   |   |                |                                 |
| FT/MIN   | I OVA        | h               | p<br>I<br>e    | (ÚSCS)                    | Symbol                      | Date           | <u> </u>                                |                    | SCRIPTIO       | AI                                      | l              |                                 |
| <b></b>  |              | ┼               | -              |                           |                             | SAMPLE NOT R   | ECOVERED.                               |                    | SCHIPTIO       | <u> </u>                                | ···            |                                 |
| <b></b>  | <u> </u>     | ┨               |                | ĺ                         |                             | SAMIFEL NOT N  | LOUVENED                                |                    |                |   |                |                                 |
| <b>}</b>   |              | 1-              | <del> </del> - | }                         | }                           |                |   |                    | , <del> </del> |   |                | <del>,</del>                    |
| -  | ļ            | -               | <u> </u>       |                           | i                           |                |   |                    |                |   |                |                                 |
|  |              | 2 -             |                | 1                         | }                           |                |   |                    |                |   |                | <u></u>                         |
| <del> </del>                                     | <del> </del> | ┨               | <u> </u>       | -                         |                             |                |   |                    |                |   |                |                                 |
| ļ  | ļ            | 3 -             |                |                           | 7777                        | CLAY, BROWN,   | SOME BOOTLE                             | TS DRV NO C        | DOB            | <del></del>                             |                | · /                             |
| <del> </del>                                     | 0.0          | 1               |                | 4                         |                             | GEAT, DITOVIV, | SOME HOOTEL                             | -10, DHI, NO C     | DON            |   |                | <u></u>                         |
| <del></del>                                      | 0.0          | 4 -             |                |                           |                             |                | ·····                                   |                    |                |   |                |                                 |
| <b>-</b>   |              | 1               | ├─             | 1                         |                             | <u> </u>       |   |                    | <i></i>        |   | <del></del>    |                                 |
| <u> </u>   |              | - 5             |                |                           |                             |                |   | ····               |                |   |                |                                 |
|  |              | 1               | $\nabla$       | {                         |                             |                |   |                    | <del></del>    |   |                |                                 |
| -  | <b></b>      | 6-              |                |                           |                             |                |   |                    |                |   |                |                                 |
| <del> </del>                                     | 2.4          | 1_              |                | 1                         |                             | DARK GRAY, DR  | Y. NO ODOR                              |                    |                |   |                |                                 |
| <del> </del>                                     | 2.4          | 7 -             |                | CL                        |                             |                | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                    |                |   |                |                                 |
|  |              |                 |                | 1                         |                             |                |   |                    |                | *************************************** |                |                                 |
|  | ·            | 8 -             |                | 1                         |                             | MOIST, STRONG  | PETROLEUM                               | ODOR               |                | · · · · · · · · · · · · · · · · · · ·   |                |                                 |
|  | <del>-</del> |                 | _              | i                         |                             |                |   |                    |                | ·                                       |                |                                 |
| }  |              | 9 -             | _              | 1                         |                             |                |   |                    |                |   |                |                                 |
| <del>                                     </del> | -            | 1               |                | 1                         |                             |                |   | ·····              |                |   |                |                                 |
| <b> </b>   | -            | 10-             | X              | 1                         |                             | GREEN          | <u></u>                                 |                    |                | ·                                       |                |                                 |
|  |              | 1               |                |                           |                             |                |   |                    |                |   |                |                                 |
|  | 131.5        | 11-             |                | $\nabla$                  |                             | CLAY WITH SAN  | D (INCREASIN                            | G GRAVEL COI       | NTENT), GRE    | EN, MOIST TO S                          | SATURATE       | D,                              |
| <del></del>                                      |              | 1,,             |                |                           |                             | STRONG PETRO   |   |                    |                |   |                |                                 |
|  |              | 12-             |                | 1                         |                             |                |   |                    |                |   |                |                                 |
|  |              | 10              |                | 1                         |                             |                |   |                    |                |   |                |                                 |
|  |              | 13-             |                |                           |                             |                |   |                    |                |   |                |                                 |
|  | 4.2          | ],,             |                | ]                         |                             |                |   |                    |                |   |                |                                 |
|  |              | 14-             |                | CL                        |                             |                |   |                    |                |   |                |                                 |
|  |              | 15-             |                |                           |                             |                |   |                    | ·              |   |                |                                 |
|  |              | 15-             |                | ]                         |                             |                |   |                    |                |   |                |                                 |
|  |              | 16-             |                |                           |                             |                |   |                    |                |   |                |                                 |
|  |              | 10              |                |                           |                             |                |   |                    | A              |   |                |                                 |
|  |              | 17-             |                |                           |                             |                |   |                    |                |   |                |                                 |
|  |              | <b>.</b>   '' ~ |                |                           |                             |                |   | TOTAL DE           | PTH OF BOI     | RING = 17 FT.                           |                |                                 |
|  |              | 18-             | <u>L</u> _     |                           | ]                           |                |   | <del></del>        |                |   |                |                                 |
|  | ļ            | ] ''            |                |                           |                             | <u> </u>       |   |                    |                | ncountere                               | <u>d at 11</u> | !<br>                           |
| 1  |              | 1               | }              | <b>.</b>                  | <b>)</b>                    | <u> </u>       |   | at Time            | e of Drill     | ina                                     |                |                                 |

| <u> </u>          | ROUP SE        | EX           | PL   | ORAT                      | G OF              | BORING                | CLIENT: _<br>LOCATION<br>LOGGED |                | OFTS, LLC<br>DF                       | TE: 11/5/0                             |                 | BORING NO.  B-16  Sheet 1  of 1 |
|-------------------|----------------|--------------|--|---------------------------|-------------------|-----------------------|---------------------------------|----------------|---------------------------------------|--|-----------------|---------------------------------|
| ADELINE<br>STREET | ● B-16         |              |  | T STREET                  |                   | LINDEN                | ļ<br>                           | taliation Data |                                       | Hole Dia                               | : <u>2 INC</u>  | 1                               |
|                   | l<br>id Elev.  | :            |  |                           | Datum:            |                       |                                 |                | · · · · · · · · · · · · · · · · · · · |  |                 | <del></del>                     |
|                   |                | Б            | s  |                           |                   | Water Level           |                                 |                |                                       |  | T               |                                 |
| Drilling          | PID            | e<br>p       | a  | Soil<br>Group             | Litho-            | Time                  |                                 |                |                                       |  |                 |                                 |
| Rate<br>FT/MIN    | OVA            | l h          | P  | Group<br>Symbol<br>(USCS) | graphic<br>Symbol | Date                  |                                 |                |                                       |  |                 |                                 |
|                   |                | <u> </u>     | 8  |                           |                   |                       |                                 | DE             | SCRIPTION                             |  |                 |                                 |
| <b> </b>          | ļ              | 4            |  | AS                        | ////              | ASPHALT               |                                 |                |                                       | ···                                    | <del> </del>    |                                 |
| !<br>             |                | <b> </b> 1 - |  |                           |                   | CLAY, OLIVE GRA       | ay, dry, no oi                  | OOR            |                                       |  |                 |                                 |
|                   |                |              | <u> </u>   | <u> </u>                  |                   |                       |                                 |                |                                       |  | <del></del>     |                                 |
|                   | 7.4            | 2 -          |  |                           |                   |                       |                                 |                |                                       |  |                 | <del> </del>                    |
|                   |                | Į ~          | ļ  |                           |                   | <u></u>               |                                 |                |                                       |  |                 |                                 |
|                   | ļ              | 3-           | Ļ.,  | ĺ                         |                   |                       | ·                               |                |                                       |  |                 |                                 |
|                   | <b></b>        |              | X  | CL                        |                   |                       | ·····                           | <del></del>    |                                       |  |                 | ····                            |
|                   | <u> </u>       | 4 -          | <del> </del>                                     | Ì                         |                   |                       |                                 |                |                                       |  |                 |                                 |
|                   |                |              | <u> </u>   |                           |                   |                       | <del></del>                     |                |                                       |  |                 | <del></del>                     |
|                   |                | 5-           |  | 1                         |                   |                       |                                 |                |                                       |  |                 |                                 |
|                   |                |              | L-   | ļ                         |                   |                       |                                 |                |                                       |  |                 |                                 |
|                   |                | 6-           | X  | 4                         |                   | STRONG PETRO          | LEUM ODOR                       |                | ····—                                 |  |                 |                                 |
|                   | <b></b>        | `            |  |                           |                   | 0/ 4// /// // / 0 4// | D (NODEAON)                     | 0.004//51.004  | UTCUT MOVO                            | T ATDAMA DE                            | TROI FILE       | .0000                           |
| ·                 | 5.6            | 7 -          | ├  | l                         |                   | CLAY WITH SAN         | D (INCREASIN                    | G GRAVEL CO    | MIENT), MOIS                          | I, STRONG PE                           | IRULEUN         | 1 ODOR                          |
| <del></del>       | <b></b>        | -            | _  | CL                        |                   |                       |                                 | **             |                                       |  |                 |                                 |
|                   |                | 8 -          |  | "                         |                   |                       |                                 |                |                                       | · · · · · · · · · · · · · · · · · · ·  |                 |                                 |
|                   | <b> </b>       | }            | $\vdash$   | $\nabla$                  |                   | <u> </u>              |                                 |                |                                       |  |                 |                                 |
|                   | <u> </u>       | 9 -          |  | <del>`</del>              |                   | CLAV CREEN M          | OICT CTDONG                     | DETROI ELIM    | ODOR                                  |  |                 | ·                               |
|                   |                |              | -  |                           |                   | CLAY, GREEN, M        | OIST, STRONG                    | PETRULEUM      | UUUK                                  | ······································ |                 |                                 |
|                   | 74.4           | 10-          | <del> </del>                                     |                           |                   |                       |                                 | <del></del>    |                                       |  |                 |                                 |
|                   | ļ              |              | <u> </u>   | }                         |                   |                       |                                 |                |                                       |  |                 |                                 |
|                   |                | 11-          | <del>                                     </del> | -                         |                   |                       |                                 |                | <del></del>                           |  |                 |                                 |
|                   | <del> </del> - | {            |  |                           |                   |                       |                                 |                |                                       | ****                                   |                 |                                 |
|                   | <del> </del>   | 12-          | <del> </del>                                     |                           | 1///              |                       |                                 | TOTAL DE       | חדען אב אאריי                         | UC 40 FT                               |                 |                                 |
|                   | <del> </del>   | 1            |  |                           |                   |                       |                                 | TOTAL DE       | PTH OF BORI                           | va = 12 Fl.                            |                 |                                 |
|                   | <del> </del>   | 13-          | -  |                           |                   |                       |                                 | Groun          | dwater Eı                             | noounto                                | vd 04 0         | <i>E</i> '                      |
|                   | <u> </u>       | 1            | <u> </u>   |                           |                   |                       | ·                               |                |                                       |  | <u>su at 0.</u> | <u></u>                         |
|                   |                | 14-          | <b>}</b>   | }                         | <b>j</b> '        |                       |                                 | <u>at IIM</u>  | e of Drilli                           | ıu                                     |                 |                                 |
|                   |                | 1            |  |                           |                   | <u></u>               |                                 |                |                                       | ····                                   |                 |                                 |
|                   | ļ              | 15-          | -  |                           |                   | <del></del>           |                                 |                |                                       | <del></del>                            |                 |                                 |
| <del></del>       |                | 1            | <del></del>                                      |                           |                   |                       |                                 |                |                                       | 71.2                                   |                 |                                 |
|                   | <del> </del>   | 16-          | $\vdash$   |                           |                   |                       |                                 | <del></del>    |                                       |  |                 |                                 |
|                   | ļ              | 1            |  |                           |                   |                       |                                 |                | ·                                     |  |                 | ····                            |
|                   |                | 17-          | $\vdash$   |                           |                   |                       |                                 |                |                                       |  | ,····.          |                                 |
|                   | <del> </del>   | 1            |  |                           |                   | <u> </u>              | · <del></del>                   |                |                                       |  |                 |                                 |
|                   |                | 18-          |  |                           |                   | <u></u>               |                                 |                | .,                                    |  |                 |                                 |
|                   | <del> </del>   | 1            | <del></del>                                      |                           | <u>'</u>          |                       |                                 |                |                                       | ·                                      |                 |                                 |

|           |                                 | li                                    | ayto   | on  | LOG OF BORING B-17  |                      |                               |  |  |  |  |
|-----------|---------------------------------|---------------------------------------|--|---|---|----------------------|-------------------------------|--|--|--|--|
|           | I D                             | ₹0 L                                  | UP SERV  | ICES  |   |                      | (Page 1 of 1)                 |  |  |  |  |
| <u>ci</u> | Subsurfa<br>1007<br>Emery       | face inv<br>7 41st :<br>yville, C     | Lofts LLC<br>nvestigation<br>t Street<br>California<br>o.: 70-03365.01 | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore | Oriller<br>Logged by | : ECA<br>: Warren Chamberlain |  |  |  |  |
|           | Samples<br>OVA (ppm)            | <u>s</u>                              |  |   | RIPTION   |                      |                               |  |  |  |  |
| O-        | Sarr                            | Waf                                   | II con   | oncrete<br>Ity Clay (CL) black, soft, mo                                  |   |                      |                               |  |  |  |  |
| 1         | 96                              |                                       | po   | oor sample recovery 4 to 6 f  | feet bgs  |                      |                               |  |  |  |  |
| 5         | 380                             | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |  | ity Sand (SM) black, loose,<br>ity Clay (CL) black, medium                |   |                      |                               |  |  |  |  |
|           | 162                             |                                       | Cla  | ayey Gravel (GC) black, loo   | ose, saturated  |                      |                               |  |  |  |  |
| 10-       |                                 |                                       | Silt   | ty Clay (CL) black, stiff, wet  | t   |                      |                               |  |  |  |  |
|           | 272                             |                                       | 0000   | cassional sand stringer   | _   |                      |                               |  |  |  |  |
| 15-       | 159                             |                                       | tran   | nsitions to brown clay, very  | stiff   |                      | ,                             |  |  |  |  |
|           | 132                             |                                       | <u>///</u>   |   |   |                      |                               |  |  |  |  |
|           |                                 |                                       | i ota  | tal Depth of Boring = 16 fee  | at  | ,                    |                               |  |  |  |  |
|           | r level at 7.20<br>bandoned wil |                                       | bgs.<br>at cement grout.   |   |   |                      |                               |  |  |  |  |

|            |             | GR                                     | o u   | P SERV                 | TCES  |   |                      | (Page 1 of 1)          |
|------------|-------------|--|---|------------------------|---|---|----------------------|------------------------|
| (          | Su          | Green C<br>Ibsurfac<br>1007<br>Emeryvi | City L<br>e Inv<br>41st<br>ille, C  | ofts LLC<br>estigation | Date Started Date Completed Hole Diameter Drilling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore | Driller<br>Logged by | : ECA<br>: Matt Reimer |
| epth<br>In | Samples     | OVA (ppm)                              | Water Levels  | GRAPHIC                | DESCR   | IPTION  |                      | -                      |
| 0          |             | 124                                    |   |                        | ncrete<br>avelly Clay (CL) dark grey,                     | soft, dry   |                      |                        |
| 5 - 1 - 1  |             | 148                                    |   | Sill                   | y Gravel (GM) light brown,                                | loose, dry  |                      |                        |
| 10-        |             | 463                                    | □     □ |                        | avelly Clay (CL) light grey, s                            |   |                      |                        |
| -          | $\boxtimes$ | 281                                    |   | Gra                    | ivelly Clay, dark green, soft                             | t, wet<br>-   |                      |                        |
| 15         |             |  |   |                        | A 1800  |   | ,                    |                        |
|            |             |  |   | Tot                    | al Depth of Boring = 16 fee                               | et .  |                      | ,                      |
| 0-         |             |  |   |                        |   |   |                      |                        |

|  | Subsurfac<br>1007<br>Emeryv<br>rton Projec | Mater Levels Water Levels Water Levels Water Levels Water Levels Water Levels Water Levels Water Levels | ation<br>nia<br>03365.01 | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore | Driller<br>Lagged by | : ECA<br>: Matt Reimer |
|--|--|---|--------------------------|---|---|----------------------|------------------------|
| under name of the second secon | OVA (ppm)                                  | Water Levels GRAPHIC  |                          |   |   |                      |                        |
|  |  | <u> </u>  |                          | DESCRI  | PTION   |                      |                        |
| 0  | 5  | 77  | T-1-1                    |   | PTION   |                      |                        |
| ]  | ļ  |   | Gravelly                 |   | to dark grey, soft, dry,  |                      |                        |
| 5-   | ] 3  |   | Silty Cla                | ly, dark grey, soft, mois   | st  |                      |                        |
|  | 0  | V   | Gravelly                 | y, greenish brown to gr<br>Sand (SW) with fines,                          | grey, loose, saturated  |                      |                        |
| 10-  | 509  |   | subround                 | ded gravels, sub angul  | lar sands   |                      |                        |
|  |  |   |                          |   | •   |                      |                        |
| 15   |  |   |                          |   |   |                      |                        |
|  |  |   | Total Dep                | pth of Boring = 16 feet   | ţ   |                      |                        |
| 20   |  |   | •                        |   | •   |                      |                        |

|  |             | C                                  | 1                                    | ayı   | on   | LOG OF BORING B-20  |   |         |                      |    |                               |  |  |
|--|-------------|------------------------------------|--------------------------------------|---|--|---|---|---------|----------------------|----|-------------------------------|--|--|
| V                                      |             | GR                                 | ΟU                                   | P SE  | RVICES                                     |   |   |         |                      | (1 | Page 1 of 1)                  |  |  |
|  | Su<br>E     | Green (<br>bsurfa<br>1007<br>meryv | City L<br>ce inv<br>41st<br>rille, C | ofts LLC<br>restigation<br>Street<br>California<br>:: 70-0336 | n  | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore |         | Driller<br>Logged by |    | : ECA<br>: Warren Chamberlain |  |  |
| Depth<br>in<br>FEET                    | Samples     | OVA (ppm)                          | Water Levels                         | GRAPHIC   | DESCRIPTION                                |   |   |         | -                    |    |                               |  |  |
| 0-                                     |             | 0                                  |                                      |   |  | CL) reddish brown,  | soft, dry, rootlets   |         |                      |    |                               |  |  |
| 5                                      |             | 0                                  |                                      |   | becomes m<br>color chang                   |   |   |         |                      |    |                               |  |  |
| 10-                                    |             | 26                                 |                                      |   | color change<br>Clayey Grav<br>dense/soft, | e to green<br>vel (GC) angular gra<br>saturated                           | avel in green clay  | matrix, | •                    |    | ,                             |  |  |
| 4                                      | $\boxtimes$ | 372                                | X X X                                |   |  |   | •   |         |                      | ,  | ,                             |  |  |
| 15                                     |             | 501                                | \\ \tau_{\chi}                       |   | refusal at 15                              | 5.5 feet bgs<br>of Boring = 15.5 fe                                       | eet   |         |                      |    |                               |  |  |
| 20-<br>Notes:<br>Static wa<br>Borehole |             |                                    |                                      | ehole.<br>cement gr   | out  |   |   |         |                      |    | ,                             |  |  |

| 6                   | 1                 | C                          | 1                       | ayt   | on                       |   | LOG   | OF BC        | RING B-2             | 1                      |  |
|---------------------|-------------------|----------------------------|-------------------------|---|--------------------------|---|---|--------------|----------------------|------------------------|--|
|                     | لي                |                            |                         | <u> </u>  | RVICES                   |   |   |              |                      | (Page 1 of 1)          |  |
|                     | St                | ıbsurfac<br>1007<br>Emeryv | e in<br>41st<br>file, ( | ofts LLC<br>vestigation<br>Street<br>California<br>.: 70-0336 |                          | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore |              | Driller<br>Logged by | : ECA<br>: Matt Reimer |  |
| Depth<br>in<br>FEET | Samples           | OVA (ppm)                  | Water Levels            | GRAPHIC   |                          | DESCRII   | PTION   |              |                      |                        |  |
| 0-                  |                   |                            |                         |   | concrete                 | (01) (1)  |   |              |                      |                        |  |
|                     |                   | 283                        |                         |   | Gravelly Cla             | ay (CL) light brown i   | o dark grey, soft, d  | iry          |                      |                        |  |
| 5-                  |                   | 585                        |                         |   | Silty Clay, k            | dark grey, soft, mois   | st  |              |                      |                        |  |
| 10-                 |                   | 530                        |                         |   |                          | nd (SW) with fines, gravels, sub angula                                   |   | ated         |                      | ,                      |  |
| 1 1 1               | $\boxtimes$       |                            |                         |   | Gravelly Cla             | ay (CL) greenish gre  | y, soft, wet  |              |                      |                        |  |
| 15-                 | $\boxtimes$       | 541                        |                         |   |                          |   | -   |              |                      |                        |  |
| Notes:              |                   |                            |                         | ///   | Total Depth              | of Boring = 16 feet   |   |              |                      |                        |  |
|                     |                   |                            |                         |   |                          |   |   |              |                      |                        |  |
| 20 –<br>Notes:      | <del></del>       |                            |                         |   | <del></del>              | <u> </u>  | <del>-,,,,,,,,</del> ,  | <del>.</del> |                      | <u></u>                |  |
| 3 Hole ∞I           | lapsed<br>e abanc | at 12 fee<br>ioned wit     | t bgs.<br>In nea        | no static wa<br>at cement gr                                  | ater at this dep<br>out. | oth.  |   |              |                      |                        |  |



#### LOG OF BORING B-22

(Page 1 of 1)

|                 |             | <u> GR</u>                    | UU                       | IP SE  | KAICES      |   |   |                |            | (Fage 1 Of 1)                 |   |
|-----------------|-------------|-------------------------------|--------------------------|--|-------------|---|---|----------------|------------|-------------------------------|---|
|                 | Su          | ubsurfac<br>1007 -<br>Emeryvi | ce In<br>41st<br>ille, C | ofts LLC<br>vestigatio<br>Street<br>California | <del></del> | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore | Drille<br>Logg | r<br>ed by | : ECA<br>: Warren Chamberlain |   |
|                 | Ciayto      | 11110 00                      |                          | 10-000   | 1           |   |   |                |            |                               | - |
| opth<br>n<br>ET | Samples     | OVA (ppm)                     | Water Levels             | GRAPHIC  |             | DESCRI  | PTION   |                |            | ·                             |   |
| 0-              | -           | <u> </u>                      | ,                        | [  | concrete    |   |   |                |            |                               |   |
| 5-              |             | 15                            |                          |  | <del></del> | CL) black, soft, dry,   | rootlets  |                |            |                               |   |
| -               |             | 40                            |                          |  | becomes st  | iff   |   |                |            |                               |   |
| 10-             |             | 63                            |                          |  |             |   | -   |                |            |                               |   |
| -               | $\boxtimes$ | 454                           |                          | ///  | changes to  | green color   |   |                |            |                               |   |

Total Depth of Boring = 16 feet

changes to brown color

Notes: Dry hole.

15-

Borehole abandoned with neat cement grout.

| <u> </u>           |             | GR                         | 0 U                         | PSE   | RVICES        |   |   |        |                      | (Page 1 of 1)          |
|--------------------|-------------|----------------------------|-----------------------------|---|---------------|---|---|--------|----------------------|------------------------|
|                    | Su          | ubsurfac<br>1007<br>Emeryv | ce Inv<br>41st S<br>ille, C | ofts LLC<br>restigation<br>Street<br>California<br>.: 70-0336 |               | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore |        | Driller<br>Logged by | : ECA<br>: Matt Reimer |
| Depth<br>in<br>EET | Samples     | OVA (ppm)                  | Water Levels                | GRAPHIC   |               | DESCRI  | IPTION  |        |                      |                        |
| 0-                 | స           | Ó                          | ≱                           |   | <u> </u>      |   |   |        |                      |                        |
| -                  |             | 56                         |                             |   |               | nd (SW) light brow  | n, loose, dry   |        |                      |                        |
| 5-                 |             |                            |                             |   |               |   |   | *      |                      |                        |
| 10                 |             | 38                         |                             |   |               |   |   |        |                      |                        |
| 1                  | $\boxtimes$ | 88                         |                             |   | becomes gre   | en  |   |        |                      |                        |
| -                  | $\boxtimes$ | ,                          |                             |   | becomes gra   | evelly clay, green,   | medium stiff, dry   |        | ,                    | ,                      |
| 15                 | X           | 531                        |                             |   | Clay, green,  | stiff, dry  |   | ·<br>- |                      |                        |
| 1                  |             | ,                          |                             |   | Total Depth o | of Boring = 16 fee  | pt .  |        |                      |                        |
| 20-                |             |                            |                             |   |               |   |   |        |                      | ·<br>                  |

| 6                   | 1  | C         | 1            | ayt                   | on           |  | LOGC  | F BORING          | B-24 |                        |
|---------------------|--|-----------|--------------|-----------------------|--------------|--|---|-------------------|------|------------------------|
|                     |  |           |              |                       | RVICES       |  |   |                   |      | (Page 1 of 1)          |
| (                   | Green City Lofts LLC Subsurface Investigation 1007 41st Street Emeryville, California Clayton Project No.: 70-03365.01 |           |              |                       |              | Date Started Date Completed Hole Diarneter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore | Driller<br>Logged | by   | : ECA<br>: Matt Reimer |
| Depth<br>In<br>FEET | Samples  | OVA (ppm) | Water Levels | GRAPHIC               |              | DESCRI   | PTION   |                   |      |                        |
| 0-                  |  |           | T            | [-;- <u>[</u> -;-]-;- | concrete     |  |   |                   |      |                        |
| 5                   |  | 58        |              |                       |              | ay (CL) light brown,<br>lark grey, soft , dry                              |   |                   |      |                        |
| 10-                 |  | <b>57</b> |              |                       | Clay, dark g | rey, medium stiff, d   | ïy  |                   |      |                        |
| 15-                 | Ø<br>Ø   |           |              |                       | Clay, green, |  | •   |                   |      |                        |
| 4                   | $\boxtimes$  | 259       |              |                       | Clay, greeni | sh brown, stiff, dry   |   |                   |      |                        |

20 -

Notes:
Dry hole, no water had entered borehole prior to abandonment.
Borehole abandoned with neat cement grout.

Total Depth of Boring = 16 feet

|   | Clayton        |
|---|----------------|
| V | GROUP SERVICES |

## LOG OF BORING B-25

|                   |                      | OUP S  |             | Date Started                          | .04/47/02                            | <u> </u>             |                              |
|-------------------|----------------------|--|-------------|---------------------------------------|--------------------------------------|----------------------|------------------------------|
|                   | Subsurfa<br>1007     | City Lofts LL<br>ice Investigat<br>41st Street<br>ville, Californi | noi         | Date Completed<br>Hole Diameter       | : 04/17/03<br>: 04/17/03<br>: 2-inch | Driller<br>Lagged by | : ECA<br>: Warren Chamberlai |
| Cli               |                      | ect No.: 70-03   |             | Drilling Method Sampling Method       | : Geoprobe<br>: Macrocore            |                      |                              |
| Depth in          | Samples<br>OVA (ppm) | Water Levels<br>GRAPHIC  | -           | DESCRIF                               | PTION                                |                      |                              |
| 0-1-              | <del></del>          | <u> </u>   | *           |                                       |                                      | <del></del>          |                              |
| 4                 |                      |  |             | urface cover  / (CL) fdark brown, sof | i, dry                               |                      |                              |
| 5 - 1 - 1 - 1 - 1 | 88                   |  |             | moist, slightly more si               | ity<br>·                             |                      |                              |
| 1                 |                      |  | thin 3" sa  | nd stringer                           | •                                    |                      |                              |
| 10-               | 461                  |  | 1           | green clay, stiff                     |                                      |                      |                              |
|                   | 197                  |  | becomes     | gravelly from 11 to 13                | feet bgs                             |                      |                              |
|                   | 14                   |  |             |                                       |                                      |                      |                              |
| 15                | 2                    |  | transistion | n to orange brown clay                | very stiff                           |                      | ,                            |
| 1                 |                      | •  | Total Dep   | th of Boring = 16 feet                |                                      |                      |                              |
| 1                 |                      |  |             |                                       |                                      |                      |                              |
| 20-               |                      | <del></del>  |             | · · · · · · · · · · · · · · · · · · · | <u></u>                              |                      |                              |
| otes:             | water had            |  |             |                                       |                                      |                      |                              |

|   |   |                           | la                        | ayt   | on          | LOG OF BORING B-26  |   |    |                                       |                               |  |
|---|---|---------------------------|---------------------------|---|-------------|---|---|----|---------------------------------------|-------------------------------|--|
|   |   |                           |                           |   | VICES       |   |   |    |                                       | (Page 1 of 1)                 |  |
|   | i   | ubsurfa<br>1007<br>Emeryv | ce inv<br>41st<br>ille, C | ofts LLC<br>vestigation<br>Street<br>California<br>.: 70-0336 |             | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore |    | Oriller<br>Logged by                  | : ECA<br>: Warren Chamberlain |  |
|   |   | 11,0,0                    |                           |   | <u> </u>    |   |   |    |                                       |                               |  |
| Depth<br>in<br>FEET                     | Samples                                       | OVA (ppm)                 | Water Levels              | GRAPHIC   |             | DESCRIF   | PTION   |    |                                       |                               |  |
| 0-                                      |   |                           |                           |   | asphalt sur | iace cover<br>ay (CL) reddish brov  | un not des rootles  |    |                                       |                               |  |
| :                                       |   |                           |                           |   | Graveny Co  | ay (CE) reddisir brov   | vii, soit, dry, rootiets  | \$ |                                       |                               |  |
|   |   |                           |                           |   | becomes si  | ity clay at 2 feet bgs  | , brown, soft, dry  |    |                                       |                               |  |
|   | <u></u>                                       |                           |                           |   |             |   |   |    |                                       |                               |  |
| -                                       |   | 0                         |                           |   |             |   |   |    |                                       | •                             |  |
| 5-                                      |   | •                         |                           |   |             |   |   |    |                                       |                               |  |
|   | <del>                                  </del> |                           |                           |   |             | oist, and black-brow  | 'n  |    |                                       |                               |  |
|   |   |                           |                           |   |             |   |   |    |                                       | ,                             |  |
|   |   | 0                         |                           |   | becomes gr  | eenish grey clay, sti   | iff, moist  |    |                                       |                               |  |
|   |   |                           |                           |   |             |   | •   |    |                                       |                               |  |
| 10-                                     |   | Q                         |                           |   |             |   |   |    |                                       |                               |  |
|   |   |                           |                           |   |             |   |   |    | •                                     |                               |  |
| -                                       | $\boxtimes$                                   | 14.7                      |                           |   |             |   |   |    |                                       |                               |  |
|   |   |                           |                           |   | becomes gr  | avelly from 12.5 to 1   | 4 feet bgs  | ļ  |                                       |                               |  |
| -                                       | $\boxtimes$                                   | 208                       |                           |   |             |   | •   |    |                                       |                               |  |
| 15-                                     |   |                           |                           |   |             |   |   |    | ,                                     |                               |  |
| "-                                      | $\boxtimes$                                   | 127                       |                           |   |             |   |   |    |                                       |                               |  |
| <b> </b>                                |   | <u> </u>                  |                           |   | Takal D -4  | of Davis - 40 feet  |   |    |                                       |                               |  |
| -                                       |   |                           |                           |   | токаг⊔ер≀Л  | of Boring ≈ 16 feet   |   |    |                                       |                               |  |
| -                                       |   |                           |                           |   |             |   |   |    |                                       |                               |  |
| 1                                       |   |                           |                           |   |             |   |   | -  |                                       |                               |  |
| 20-                                     |   |                           |                           |   |             |   |   |    | · · · · · · · · · · · · · · · · · · · | <u> </u>                      |  |
| 20 —<br>Notes:<br>Static wa<br>Borehold |   |                           |                           | bgs.<br>t cement gro  | out.        |   |   |    |                                       |                               |  |

| 6                               |         | $C_{i}$                              | li                                  | ayl  | on          | ,   | LOG   | OF BO | RING B-27            | 7                      |             |
|---------------------------------|---------|--------------------------------------|-------------------------------------|--|-------------|---|---|-------|----------------------|------------------------|-------------|
|                                 |         |                                      |                                     |  | RVICES      |   |   |       |                      | (Page 1 of 1)          |             |
|                                 | St<br>t | Green (<br>ubsurfa<br>1007<br>Emeryv | City L<br>ce In<br>41st<br>ville, C | ofts LLC<br>vestigation<br>Street<br>California<br>o.: 70-0336 | n           | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe<br>: Macrocore |       | Driller<br>Logged by | : ECA<br>: Matt Reimer |             |
| Depth<br>In<br>FEET             | Samples | OVA (ppm)                            | Water Levels                        | GRAPHIC  |             | DESCRII   |   |       |                      |                        |             |
| 5 10                            |         | 0                                    | ∇.                                  |  |             | face cover<br>ay (CL) dark brown,   |   |       |                      |                        |             |
|                                 |         |                                      |                                     |  | Total Depth | of Boring = 12 feet   | ÷   |       |                      |                        |             |
| 15-                             |         |                                      |                                     |  | •           |   |   | -     | ,                    |                        |             |
| Notes:<br>Static wa<br>Borehole |         |                                      |                                     | t bgs.<br>t cement gr  | out.        |   |   |       |                      | `                      | <del></del> |

I

|                     |  | C           | 1:           | ayt                 | on            |   |  |               |                      |      |                                       |        |  |
|---------------------|--|-------------|--------------|---------------------|---------------|---|--|---------------|----------------------|------|---------------------------------------|--------|--|
|                     | <u></u>  | GR          | Οι           | P SEI               | VICES         |   | ·  |               |                      | (Pag | e 1 of 1)                             |        |  |
|                     | Green City Lofts LLC Subsurface investigation 1007 41st Street Emeryville, California Clayton Project No.: 70-03365,01 |             |              |                     |               | Date Started Date Completed Hole Diameter Orilling Method | : 04/17/03<br>: 04/17/03<br>: 2-inch<br>: Geoprobe |               | Driller<br>Logged by |      | ECA<br>Varren Chamberlair             | 1      |  |
|                     | Clayto   | n Proje     | ct No        | .: 70-0336          | 5.01          | Sampling Method   | : Macrocore  | <del></del> _ | <del></del>          |      | · · · · · · · · · · · · · · · · · · · |        |  |
| Depth in FEET       | Samples  | OVA (ppm)   | Water Levels | GRAPHIC             |               | DESCRIF   | PTION  |               |                      |      |                                       |        |  |
| 0-                  |  |             |              | 77                  | asphalt surf  | ace cover   |  |               |                      |      |                                       |        |  |
|                     |  | 41          |              |                     |               | CL) dark brown, soft                                      | dry, rootlets                                      |               |                      |      |                                       |        |  |
| 5-1                 |  |             | Z            |                     | Silty Sand (  | SM) brown, loose , s                                      | saturated  |               |                      |      |                                       |        |  |
|                     | X<br>X   | 557<br>782  |              |                     |               |   |  |               |                      |      |                                       |        |  |
| 10-                 | $\boxtimes$  | 340         |              |                     | Gravelly Silt | y Clay (CL) green, s                                      | tiff, moist  |               |                      | -    |                                       |        |  |
|                     | i  |             |              | <del></del>         | Total Depth   | of Boring = 12 feet                                       | ¢  | <del></del>   |                      |      | ı                                     | ;<br>; |  |
| 15-                 |  |             |              |                     |               |   |  |               |                      | ş    |                                       |        |  |
| A I I               |  |             |              |                     |               |   |  |               | ×                    | ,    |                                       |        |  |
| Coccombattor during |  |             |              |                     | •             |   |  |               |                      |      |                                       |        |  |
| Notes:<br>Static wa |  |             |              | ogs.<br>t cament gr | out.          |   |  | <del></del>   | `                    |      | ·/*                                   |        |  |
| \$ 500 and          | - andila   | SINGLE WILL |              | · ~··ioiii Ai       |               |   |  |               |                      |      |                                       |        |  |

|                     | 8       | C                                | 1                                   | ayı  | ton                   |   | LOG O   | F BORING OB          | -10                                       |
|---------------------|---------|----------------------------------|-------------------------------------|--|-----------------------|---|---|----------------------|---|
|                     |         | Green oubsurfa<br>1007<br>Emeryv | City (<br>ce in<br>41st<br>fille, ( | P S E<br>Lofts LLC<br>vestigatio<br>Street<br>California<br>c.: 70-033 |                       | Date Started Date Completed Hole Diameter Drilling Method Sampling Method | : 06/30/03<br>: 06/30/03<br>: 2-inch<br>: Geoprope<br>: Macrocore | . Onlier - Logged by | (Page 1 of 1)<br>: Gregg<br>: Matt Reimer |
| Cepth<br>in<br>FEST | Samples | OVA (ppm)                        | Water Levels                        | GRAPHIC  |                       | DESCRIF   |   | 7                    |   |
| 0                   |         |                                  |                                     |  | Asphalt and CLAY (CL) | l baserock<br>black, medium stiff,  | dry, trace gravel   |                      |   |

.

SILTY CLAY (CL) brown, loose, trace gravel

Color change to olive brown, stiff, hydrocarbon odor

Total Depth of Boring = 16 feet

Nates:

10-

15-

 $\boxtimes$ 

103

Borehole was initiated with hand auger to 4 feet bgs. Grab groundwater sample taken at 12:20, Borehole abandoned with next cament grout.

| <u> </u>  |         | CR        | ΟŪ           | P SER      | VICES                       |   |  |              | <del></del>          | (Page 1 of 1)            |
|---|---------|-----------|--------------|------------|-----------------------------|---|--|--------------|----------------------|--------------------------|
| Green City Lofts LLC Subsurface Investigation 1007 41st Street Emeryville, California |         |           |              |            |                             | Date Started Date Completed Hole Diameter Drilling Method | : 06/27/03<br>: 06/27/03<br>: 2-inch<br>: Geoprobe |              | Driller<br>Logged by | : Gregg<br>: Matt Reimer |
|   | Clavtor | n Projec  | t No         | .: 70-0336 | 5.03 {                      | Samuling Method   | ; Macrocore  |              |                      |                          |
| Depth<br>in<br>EET  | Samples | OVA (ppm) | Water Levels | GRAPHIC    |                             | DESCRI  | PTION  |              |                      | •                        |
| 0-  |         |           |              | 医多         | Aspnalt and                 | i baserock  |  |              | •                    |                          |
| -   |         | ·:        |              |            | CLAY (CL)                   | dark brown, stiff, d                                      | гу   |              | ·                    |                          |
| 5   |         |           |              |            |                             |   |  |              |                      |                          |
| -   |         | 0.0       |              |            |                             |   | ·  |              |                      | ·                        |
| 10-   |         | 0.0       |              |            | Color chang<br>gravel (volc | ge to alive brown, s<br>anics)                            | tiff, dry, trace lar                               | ge angular   |                      | ·                        |
| 4.1.1.1   |         |           |              |            | SILTY CLA'<br>gravel        | Y (CL) brown, med   | ilum stiff, moist, I                               | race angular |                      |                          |
| 15-   |         | 0.0       |              |            |                             |   |  | ٠.           |                      |                          |
| 1 1 1 1   |         | 0.0       | ⊽            |            |                             |   | ,  |              |                      |                          |
| 20-   |         |           |              |            |                             |   |  | ì            |                      |                          |
|   |         | 0.0       |              |            |                             |   |  |              |                      |                          |
| 25-   |         |           |              |            | Total Depth                 | of Baring = 24 feet                                       | :  |              | ,                    |                          |

|         | Cl                      | ayto                                | n   | LOG  | OF BO       | RING OB             | -8                       | <del></del> |  |
|---------|-------------------------|-------------------------------------|---|--|-------------|---------------------|--------------------------|-------------|--|
|         | GROU                    | JP SERVIC                           | ES  | (Page 1 of 1)                                      |             |                     |                          |             |  |
| Su      | 1007 41st<br>meryville, | vestigation<br>Street<br>California | Date Started Date Completed Hole Diameter Ontiling Method       | : 06/27/03<br>: 06/27/03<br>: 2-inch<br>: Geogrape |             | Dniler<br>Logged by | : Gregg<br>: Matt Reimer |             |  |
| Clayton | n Project No            | 0.: 70-03365.03                     | Sampling Method   | : Macrocore  |             |                     |                          |             |  |
| Samples | OVA (ppm) Water Levels  | GRAPHIC                             | DESCRIF   | PTION  |             | ,                   |                          |             |  |
| 0       |                         | 도로크 Aspinal                         | t and baserock  | ······································             |             | ٠                   |                          | *           |  |
|         | 0.0                     | SILTY (moist, to                    | CLAY (CL) brownish olivrace gravel  CL) brown, soft, moist, tra | e, medium stiff, dr                                | ry to       |                     |                          |             |  |
| 25~     | 0.0                     | Increasin                           | ng stiffness  |  |             |                     |                          |             |  |
| 30      | 0.0                     |                                     |   |  |             |                     |                          |             |  |
| -       |                         | Total Dec                           | oth of Boring = 32 feet   | · · · · · · · · · · · · · · · · · · ·              | <del></del> |                     |                          |             |  |
|         |                         | · # = =                             | ा अस्ति व व्याप्ति । स्टब्स् स्थिति                             |  |             |                     |                          |             |  |
| 35      | ·                       |                                     |   |  |             |                     |                          |             |  |

Static water level at 9.0 feet,

Grab groundwater sample taken at 14:50. Borencie abandoned with nest cement grout.

| Clayton        |
|----------------|
| GROUP SERVICES |

|  | GROUP SERVICE |           |              |          |                         |  |   |              |                 | (Page 1 of 1            | ) |
|--|---------------|-----------|--------------|----------|-------------------------|--|---|--------------|-----------------|-------------------------|---|
| Green City Lofts LLC Subsurface Investigation 1007 41st Street Emeryville; California Clayton Project No.; 70-03365.03 |               |           |              |          |                         | Date Started Date Completed Hole Diameter Drilling, Method Sampling Method | : 06/30/03<br>: 06/30/03<br>: 2-inch<br>: Geoprope<br>: Macrocore | `∵Oni<br>Log | ler<br>Iged by: | : Gregg<br>: Matt Reime | r |
| ╼┼╼  | Samples       | OVA (ppm) | Water Levels | GRAPHIC  |                         | DESCRIF  | PTION   | ·            |                 |                         |   |
|  |               | 0.0       |              |          |                         |  | e, dry, trace gravels   |              |                 |                         | , |
|  |               | 0.0       |              |          | SILTY CLAY<br>volcanics | (CL) olive brawn, k  | case, dry, mixed with   |              | ,               |                         | • |
|  |               | 0.0       | <b>△</b>     |          |                         |  | e gray, loose, saturat  |              |                 |                         |   |
|  | <u>- I </u>   |           |              | <u> </u> | otal Depth o            | of Boring = 20 feet  | ·   |              |                 |                         |   |

Grap groundwater sample taken at 9:20. Borehole abandoned with next cament grout.

|    | Cla                                | yton     | _ |
|----|------------------------------------|----------|---|
|    | GROUP                              | SERVICES | ; |
| Su | Green City Lofts  ibsurface invest | digation |   |

# LOG OF BORING OB-6

(Page 1 of 1)

| Green City Lofts LLC     |
|--------------------------|
| Subsurface investigation |
| 1007 41st Street         |
| Emeryville, California   |

Date Started Date Completed Hole Diameter

: 06/27/03 : 06/27/03 : 2-ncn

. Driller Logged by

: Gregg : Matt Reimer

Clayton Project No.: 70-03365.03

Onlling Method Sampling Method

: Geoprobe : Macrocore

OVA (ppm) Depth Samples DESCRIPTION FEET 0-Asphalt and baserock CLAY (CL) black, stiff, dry CLAY (CL) office, stiff, moist

Color change to brown, trace-gravel 0.0 SILTY CLAY (CL) brown, medium stiff, moist, trace angular

20 CLAY (CL) olive gray, very stiff, moist 0.0 SANDY CLAY (CL) brown, soft, very moist

Total Depth of Boring = 28 feet

CLAYEY GRAVEL (GC) brown, stiff, saturated

10

15

0.0

0.0

Borehole was initiated with nand auger to 4 feet bgs. Static water level at 24 feet. Grab groundwater sample taken at 15:40 p.m. Borehole abandoned with next coment grout.

|             |           |                |   | SERVICES          | (Page 1 of 1)   |  |              |         |                         |                                       |
|-------------|-----------|----------------|---|-------------------|---|--|--------------|---------|-------------------------|---------------------------------------|
|             | Sul<br>E  | 1007<br>meryvi | ity Lofts Les Investig<br>11st Stree<br>11st, Califor<br>t No.: 70- | ation<br>t<br>nia | Date Started Date Completed Hole Diameter Drilling Method | : 06/27/03<br>: 06/27/03<br>: 2-incn<br>: Geoprobe | . `,Dr<br>Lo | gged by | : Gregg<br>: Matt Reime | · · · · · · · · · · · · · · · · · · · |
| Ť           | nay (Cil  | FIGIEG         | 110.704   | 03365.03          | Sampling Method   | : Macrocore  | <del> </del> |         |                         |                                       |
| oth         | Samples   | OVA (ppm)      | Water Levels<br>GRAPHIC   |                   | DESCRII   | PTION  |              | ,       |                         |                                       |
| 寸           | T         |                | ×   | Asphalt and       | baserock  |  |              | •       |                         |                                       |
| #           |           |                |   | CLAY (CL)         | prown/alive, soft, m                                      | oist   |              | •       |                         |                                       |
| المبتدآليية |           |                |   |                   |   |  |              | ·       |                         | •                                     |
| 10          | $\exists$ | 0.0            |   | CLAY (CL)         | olive gray, stiff, moi                                    | st. trace gravel, organ                            | nic          |         | i                       |                                       |
| =           |           |                |   | matter-plant      | fibers, nydrocarbon                                       | odor   |              |         |                         |                                       |
| 35          |           | 74             |   |                   |   |  |              |         |                         |                                       |
| <u> </u>    |           | 5.0            |   |                   |   |  |              |         |                         |                                       |
| 4           |           |                |   |                   |   |  |              |         |                         |                                       |
| 3           |           | }              |   |                   |   |  |              |         |                         |                                       |
| 1           |           |                | 44  | 1011 774 07 171   |   |  |              |         |                         |                                       |
| 1           |           | 1              | 1   | CLAY (CL) br      | (CL) brown, medius  | m stiff, moist<br>ist, trace angular grav          |              |         |                         |                                       |
| ]           |           |                |   | 1.                |   | कर प्रवटक बार्ययाचा याजा                           |              |         |                         |                                       |
|             |           |                |   | 1                 |   | `,   |              |         |                         |                                       |
|             |           | }              |   |                   |   |  |              |         |                         |                                       |
|             |           |                |   |                   |   |  |              |         |                         | •                                     |
|             |           |                | 1   | Very stiff at 2:  |   |  |              |         |                         |                                       |
|             | 1         |                |   | SILIT CLAY        | CL) brown, soft, me                                       | oist, trace gravel                                 |              |         | , •                     |                                       |
|             |           | }              |   | 1                 | •   |  | <u> </u> -   | •       |                         |                                       |
| ľ           |           | 모              | ¥///  | 1                 | •   |  | ļ            |         |                         |                                       |
|             | 1         |                |   |                   |   |  |              | -       |                         | •                                     |
|             | -         |                |   | CLAYEY GRA        | VEL (GC) brown, Id  | ocse, saturated                                    |              |         |                         |                                       |
|             |           |                | ///   | SILTY CLAY (      | CL) brown, stiff, mo                                      | ist  |              |         |                         |                                       |
|             |           |                |   | Total Depth of    | Boring = 32 feet  | <u> </u>   | /            |         |                         |                                       |
|             |           |                | •   |                   |   | •  | •            |         |                         |                                       |

Borehole abandoned with next current grout,



#### LOG OF BORING OB-4

(Page 1 of 1)

| Green City Lofts LLC     |
|--------------------------|
| Subsurface Investigation |
| 1007 41st Street         |
| Emeryville, California   |

Cate Started

Date Completed

Hole Diameter

: 06/27/03 : 06/27/03 : 24nch

`Dniler Logged by : Gregg : Matt Reimer

Clayton Project No.: 70-03365.03

Drilling Method Sampling Method : Geoprobe : Macrocore

Depth DESCRIPTION FEET Asphalt and baserock CLAY (CL) black, very stiff, dry, traca gravel 50 % recovery 0.0 Color change to olive brown, stiff, moist, trace organics 0.0 10 0.0 15 SILTY CLAY (CL) brown, soft, moist 0.0 20 Increased moisture content 0.0 Total Depth of Soring = 24.feet

Notes:

Borehole was initiated with hand auger to 4 feet bgs. Grab groundwater sample taken at 10:50. Borehole abandoned with next cement groun.

| Cla   | yton     |
|-------|----------|
| GROUP | SERVICES |

### LOG OF BORING OB-3

(Page 1 of 1)

| Green City Lofts LLC     |
|--------------------------|
| Subsurface Investigation |
| 1007 41st Street         |
| Emeryville, California   |

Date Started Date Completed : 08/27/03 : 08/27/03

Driller Logged by

: Gregg : Matt Reimer

Clayton Project No.: 70-03365,03

Hole Diameter
Orilling Method
Sampling Method

: 2-inch : Geoprobe : Macrocore

.03 Sampling Method : M

Samples Samples Samples No OVA (ppm)

Asphalt and baseock

CLAY (CL) brown, stiff, dry

| 5-               |     |      |  |
|------------------|-----|------|--|
| •                | 0.0 |      | Color change to yellowish orange, moist, trace gravels, trace organics |
| 10-              | 0.0 |      | SILTY CLAY (CL) brownish oilve, stiff, moist, trace                    |
| 5-               | 0.0 |      | organics   |
| •                |     | v/// | CLAY (CL) brown, medium stiff, moist, trace organics                   |
| -<br>-<br>-<br>- | 0.0 |      | SILTY GRAVELLY SAND (SM) brownish orange, locse, saturated             |
| -                |     |      | SILTY CLAY (CL) brown, moist, trace gravel                             |
| 1                | 0.0 |      | CLAYEY SILT (ML) brown, large angular gravel, moist                    |
|                  |     |      | Total Depth of Boring = 24 feet  |

Notes:

Borehole was initiated with hand auger to 4 feet bgs.

Static water level at 16.7 feet. Grab groundwater sample taken at 8:50 a.m.

Borehole abandoned with neat cament group.

38-04-2003 sheekboden to

|   | ayton                                  |   | LOG O   | F BORING OB-         | 2                        |   |
|---|--|---|---|----------------------|--------------------------|---|
| GROU  | JP SERVICES                            |   |   |                      | (Page 1 of 1)            |   |
| Green City<br>Subsurface In<br>1007 41st<br>Emeryville,<br>Clayton Project No | rvestigation<br>: Street<br>California | Date Started Date Completed Inde Diameter Drilling Method Sampling Method | : 06/30/03<br>: 06/30/03<br>: 2-incn<br>: Geoprope<br>: Macrocore | Oriller<br>Logged by | : Gregg<br>: Matt Reimer |   |
| Samples OVA (ppm)   | GRAPHIC                                | DESCRIP   | TION  |                      |                          |   |
| .0  | [돌돌] Asphalt and                       | d bedrock   |   |                      |                          |   |
| 1.0   |  | .T (ML) brown, fine, i  |   |                      |                          |   |
| 43.4  |  | black, stiff, dry, sligh  |   | or .                 |                          |   |
| 10-   |  | ILT (ML) olive, stiff, m  |   |                      |                          |   |
| 75  | Color chang                            | ge to redish brown, ve  | ary stiff   |                      |                          | , |
| 1.5   |  |   | ·.  |                      |                          |   |
| 1.3   |  |   | ····  |                      |                          |   |

Notes:

Sorehole was initiated with hand auger to 4 feet bgs.

Static water level at 16 feet bgs. Grab-groundwater sample taken at 10:15 a.m.

Borehole abandoned with neat cament grout.

|  | <u> </u> |             |              |             | VICES                    |   |  |       |                      | (Page 1 of 1)            |
|--|----------|-------------|--------------|-------------|--------------------------|---|--|-------|----------------------|--------------------------|
| Green City Lofts LLC Subsurface Investigation 1007 41st Street Emeryville, California Clayton Project No.: 70-03365.03 |          |             |              |             |                          | Date Started Date Completed Hole Diameter Drilling Method | : 06/30/03<br>: 06/30/03<br>: 2-incn<br>: Geaprobe |       | ,Onlier<br>Logged by | : Gregg<br>: Matt Reimer |
|  |          |             |              |             | <u> </u>                 | Sampling Method   | ; Macrocore  | ·     |                      |                          |
| rth<br>T   | Samples  | OVA (ppm)   | Water Levels | GRAPHIC     |                          | DESCRIF   | PTION  |       | ÷.                   |                          |
|  |          | 0.0         |              | <del></del> | sphait and<br>LAY (CL) t | baserock;<br>black, stiff, moist                          |  |       |                      |                          |
| سمعاسي ييكسب   |          | 28.8<br>0.0 |              |             | cist                     |   | ck, medium stiff, dry<br>tiff, moist, trace volce  |       | ٠                    | ·                        |
|  |          | 0.0         |              | Si          | LTY CLAY                 | (CL) brown/olive, s                                       | itiff, moist, trace voic                           | anics |                      |                          |
|  |          |             |              |             |                          |   |  |       |                      |                          |
| *****  |          |             |              |             |                          | (ML) brown, medi  | •  |       |                      |                          |
| 1  |          |             |              | 311         | · ·                      | (CL) brawn, soft, me                                      | oist   |       |                      | ·                        |
|  |          | •           |              | Tot         | al Depth of              | Boring = 32 feet  | <u>-</u>   |       |                      |                          |

Screhole abandoned with neat cement grout.

| 7                  |             | <b>-</b>         |                                |   | to1        | )   | LOG OF BORING CW-1 (Page 1 of 1)                              |              |          |   |  |  |
|--------------------|-------------|------------------|--------------------------------|---|------------|---|---|--------------|----------|---|--|--|
|                    |             | mer<br>10<br>Oal | Dunne i<br>07 41st<br>kland, C | land, California Hole Diameter : 8-inch Sun |            |   |   |              |          | iller : Clear Heart Drilling<br>gged by : Mike Krzeminski<br>rveyor : V. Chavez |  |  |
|                    | Ciayto      | WI F.            | OJECTIVO                       | 5 70-03.                                    | 305.05     | Sampling Method                                 | : Cal Modified Split Spoon                                    | 1000         | casing   | : ft, msi   |  |  |
| Depth<br>in<br>EET | Samples     | Blow Count       | OVM<br>(mg/kg)                 | NSCS  | GRAPHIC    |   | SCRIPTION   |              | Well: C\ | N-1   |  |  |
| -                  |             |                  |                                |   |            | Asphalt and Baserock                            |   |              | HH       | Well box set in concrete Neat Cement  |  |  |
| 1 1 1 1            |             |                  |                                |   |            | Silty Clay (CL) (0,0,30,7                       | 0), dark brown, dry.  |              | · Shirts | Grout<br>-2-inch dia.Sch40<br>Blank Pipe<br>-Bentonite                          |  |  |
| 5-11111            |             |                  |                                | CL  |            |   |   |              |          |   |  |  |
| 10-                | $\nabla$    | 9                | 478                            |   |            | Penvally Clay with trace                        | sand (CL) (30,10,0,60), gree                                  | nioh         |          |   |  |  |
| ]                  |             | 12<br>17         |                                | CL  | // / /!    | ray, medium stiff, fine and present.            | angular gravel, moist, hydroc                                 | arbon        |          | −#3 Sand  |  |  |
| 15                 | $\boxtimes$ | 10<br>13<br>18   | 4.8                            |   |            | Gravelly Sand (GW/SW<br>ense, fine gravel, medi | ) (50,50,0,0), light brown, me<br>um sands, saturated, no odd | edium<br>or. |          | ⁻0.020" Slotted<br>Screen   |  |  |
| 20                 |             |                  |                                | GW/ <b>SW</b>                               |            |   |   |              |          |   |  |  |
| 25                 |             |                  |                                |   |            |   |   |              |          | ·Bottom Cap   |  |  |
| 25                 |             |                  |                                |   | 1          | otal Depth of Boring = 2                        | 25 feet   |              |          |   |  |  |
| 30-                |             |                  |                                |   |            |   |   |              |          |   |  |  |
| otes:              | <u>,</u> ,  |                  |                                |   | <u>-</u> - |   |   |              |          |   |  |  |

|                                |         | G   | ROL<br>Dunne                            | JP SE<br>Paint Fac                  | tor.       | 5 Date Started   | LOG OF E   | Ddile                                   |         | -2 (Page 1 of 1) : Clear Heart Drilling       |
|--------------------------------|---------|---|---|-------------------------------------|------------|--|--|---|---------|---|
| -                              | Clayto  | Oal   |   | t Street<br>alifornia<br>o.: 70-033 | 365.05     | Date Completed Hole Diameter Drilling Method Sampling Method   | : 10/30/03<br>: 8-Inch<br>: Hollow Stern Auger<br>: Cal Modified Spilt Spoon | Logge<br>Surve<br>Top o                 | -       | : Mike Krzeminski<br>: V. Chavez<br>: ft, msl |
| Depth<br>in<br>FEET            | Samples | Blow Count  | OVM<br>(mg/kg)                          | USCS                                | GRAPHIC    |  | SCRIPTION  |   | Well: O | :W-2  |
| 0<br>5<br>10<br>15<br>20<br>25 |         | 7 10 15 8 9 13 8 19 20 7 13 1 15 8 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0.3<br>0.3<br>445<br>762<br>25.1<br>0.9 | CL<br>CL<br>GW/SW                   | Set Objord | ravelly Clay trace sand<br>ray, stiff, coarse gravel,<br>ravelly Sand (GW/SW)<br>ense, coarse gravel, me |  | nish<br>present./<br>medium<br>to odor. |         |   |
| 30-                            |         |   | <del>** (</del>                         | <u> </u>                            |            |  |  |   |         |   |

|                     |             |                 |                              | ay  | toı         | LOG OF BORIN   |  |
|---------------------|-------------|-----------------|------------------------------|---|-------------|--|--|
|                     |             | mer<br>1(<br>Oa | Dunne<br>007 41s<br>kland, C | JPSE<br>Paint Fact<br>Street<br>California<br>o.: 70-03 |             | Date Started : 10/30/03 Dri Date Completed : 10/30/03 Log Hole Diameter : 8-inch Sur Drilling Method : Hollow Stem Auger Top | (Page 1 of 1)  Itler : Clear Heart Drilling gged by : Mike Krzeminski rveyor : V. Chavez p of Casing : ft, msl |
| Depth<br>in<br>FEET | Samples     | Blow Count      | OVM                          | nscs  | GRAPHIC     | Sampling Method : Cal Modified Split Spoon  DESCRIPTION  | Well: CW-3<br>Elev.:   |
| 0-                  | (r)         | 8               | (mg/kg)                      | 3   |             | sphalt and Baserock ilty Clay (CL) (0,0,30,70), dark brown, stiff, dry, rootlets.  | Cover  Well box set in concrete  Neat Cement Grout  2-inch dia Sch40 Blank Pipe                                |
| 5                   |             | 11<br>18<br>22  | 0.3                          | CL  |             |  | Bentonite  |
| 10~                 | $\boxtimes$ | 10<br>15<br>17  | 0.3                          | CL  |             | ravelly Clay with trace sand (CL) (30,10,0,60), light brown,<br>edium stiff, fine angular gravel, moist.                     | #3 Sand  |
| 15-                 | $\boxtimes$ | 9<br>12<br>18   | 0.3                          |   |             | lty Clay trace gravel (CL) (10,0,30,60), light brown, mediun<br>iff, fine angular gravel, saturated.                         | 0.020* Slotted<br>Screen   |
| 20                  | $\boxtimes$ | 9<br>14<br>18   | 0.3                          | GW/SW   |             |  |  |
| 25                  | İ           | 1               |                              |   | 7           | otal Depth of Boring = 25 feet   | Bottom Cap   |
| 30 –                |             | <del></del>     |                              |   | <del></del> |  |  |