



EXECUTIVE SUMMARY

The designated property (also referred to as the “*Site*”) is located northwest of downtown Houston, Texas, in Harris County, approximately 0.25 miles south of Interstate Highway 10 (I-10), east of Studemont Street. The property address is 1200 Givens Street, Houston, Texas 77007 and consists of 1.36 acres of commercial land. The Site has had various commercial/industrial operations on the site since approximately 1949. The most recent property use was a bumper repair service shop.

The Site is surrounded by predominately commercial and industrial property to the north, south, east, and west. The property is bordered to the east by Diesel Street and the Old Houston Stockyards, to the south by Arne’s Distributing, and to the west (downgradient) by Givens Street and Arne’s Distributing parking lot. The property is currently owned by LUI Houston Studemont, L.P. The property is vacant and inactive and there are no current sources of soil or groundwater contamination. Future plans for the property include the sale of the property and redevelopment for residential use.

Environmental investigation activities have identified chemicals of concern (COCs) in groundwater and soil. The groundwater contaminant plumes are stable or contracting. The affected groundwater is approximately 22-feet (ft) below ground surface (bgs). Local groundwater flow beneath the site is generally toward the west to northwest. Nine COCs in groundwater have been identified with Protective Concentration Levels (PCLs) exceedance zones including benzene, 1,2-dichloroethane, cis-1,2-dichloroethene, naphthalene, tetrachloroethene, toluene, trichloroethene, vinyl chloride, MTBE. ***By implementing an MSD, groundwater analytical results will not exceed the TRRP residential non-ingestion PCLs.*** Additionally, nine COCs in the soil have been identified with Protective Concentration Levels (PCLs) exceedance zones. These COCs include benzene, ethylbenzene, methylene chloride, naphthalene, toluene, 1,2,4-trimethylbenzene, xylenes, 2-methylnaphthalene, and TPH. Soil remediation is planned in December 2007 and no soil exceedances will remain.

Seven state-registered water wells are located within one half-mile of the property based on the most recent GeoSearch records. Five of the seven wells are drilled to a total depth greater than 338 feet and are used for either domestic or industrial purposes. Since the groundwater contamination plume extends only to a depth of 22 feet and is stable or contracting, these wells are not threatened by the contamination at 1200 Givens Street. The remaining two wells were drilled to a total depth of 65 feet with a static water elevation of 20 and 32 feet below ground surface. Both wells are upgradient from the contaminant plume and are not threatened by the contamination. Furthermore, neither well is currently used for domestic purposes.

CITY OF HOUSTON



**PUBLIC WORKS AND
ENGINEERING
PLANNING & DEVELOPMENT
DIVISION**

EXECUTIVE SUMMARY (cont.)

There are no municipalities within a ½ mile radius of the property other than the City of Houston. Further, the City of Houston and the City of West University are the only municipal utilities located within five miles of the site.

The applicant's current plan for the site is to obtain closure for groundwater issues through the TCEQ Voluntary Cleanup Program (VCP) after obtaining the MSD with the City of Houston and TCEQ. On-site impact to soils will also be closed under the VCP which is scheduled to take place by the end of 2007. Excavation and disposal of impacted soils above Texas Risk Reduction Program (TRRP) Tier 1 Residential PCLs will be performed to achieve a Remedy Standard A closure for on-site soils.

Appendix B

(TCEQ MSD Reference No. 1,2,& 4)

A site map showing:

- a. The location of the designated property.*
- b. The topography of the designated property as indicated on publicly available sources, which must note the watershed and whether the designated property is located in a floodplain or floodway, as those terms are defined in Chapter 19 of the Code.*
- c. The detected area of groundwater contamination.*
- d. The location of all soil sampling locations and all groundwater monitoring wells.*
- e. Groundwater gradients, to the extent known, and direction of groundwater flow.*
- f. The ingestion protective concentration level exceedance zone for each contaminant of concern, to the extent known.*

Attached Figures

Figure 1: Site Plan Map

Figure 2: Topography Map

Figure 3: Detected Groundwater Contamination

Figure 4: Monitoring Well and Soil Boring Location Map

Figure 5: Potentiometric Surface Map (July 2007)

Figure 6-1: Groundwater Protective Concentration Level Exceedance (PCLE) Zone - Benzene

Figure 6-2: Groundwater PCLE Zone – 1,2-Dichloroethane

Figure 6-3: Groundwater PCLE Zone – cis-1,2-dichloroethene

Figure 6-4: Groundwater PCLE Zone – Naphthalene

Figure 6-5: Groundwater PCLE Zone – Tetrachloroethene

Figure 6-6: Groundwater PCLE Zone – Toluene

Figure 6-7: Groundwater PCLE Zone – Trichloroethene

Figure 6-8: Groundwater PCLE Zone – Vinyl Chloride

Figure 6-9: Groundwater PCLE Zone – MTBE

Figure 7-1: Surface Soil PCLE Zone – Benzene

Figure 7-2: Surface Soil PCLE Zone – Ethylbenzene

Figure 7-3: Surface Soil PCLE Zone – Methylene Chloride

Figure 7-4: Surface Soil PCLE Zone – Naphthalene

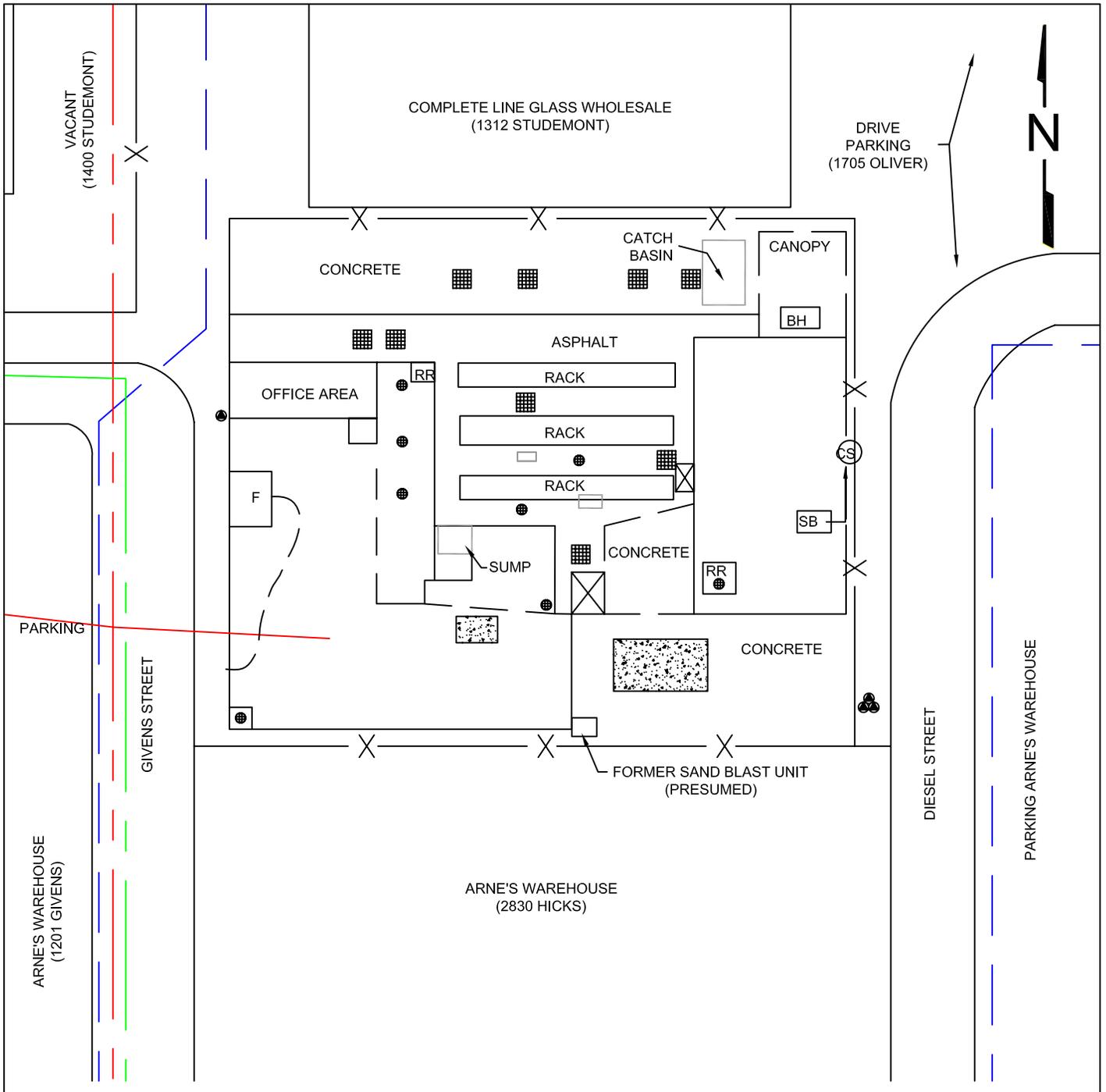
Figure 7-5: Surface Soil PCLE Zone – Toluene

Figure 7-6: Surface Soil PCLE Zone – 1,2,4-trimethylbenzene

Figure 7-7: Surface Soil PCLE Zone – Xylene (total)

Figure 7-8: Surface Soil PCLE Zone – 2-methylnaphthalene

Figure 7-9: Surface Soil PCLE Zone – Total petroleum hydrocarbons (TPH)



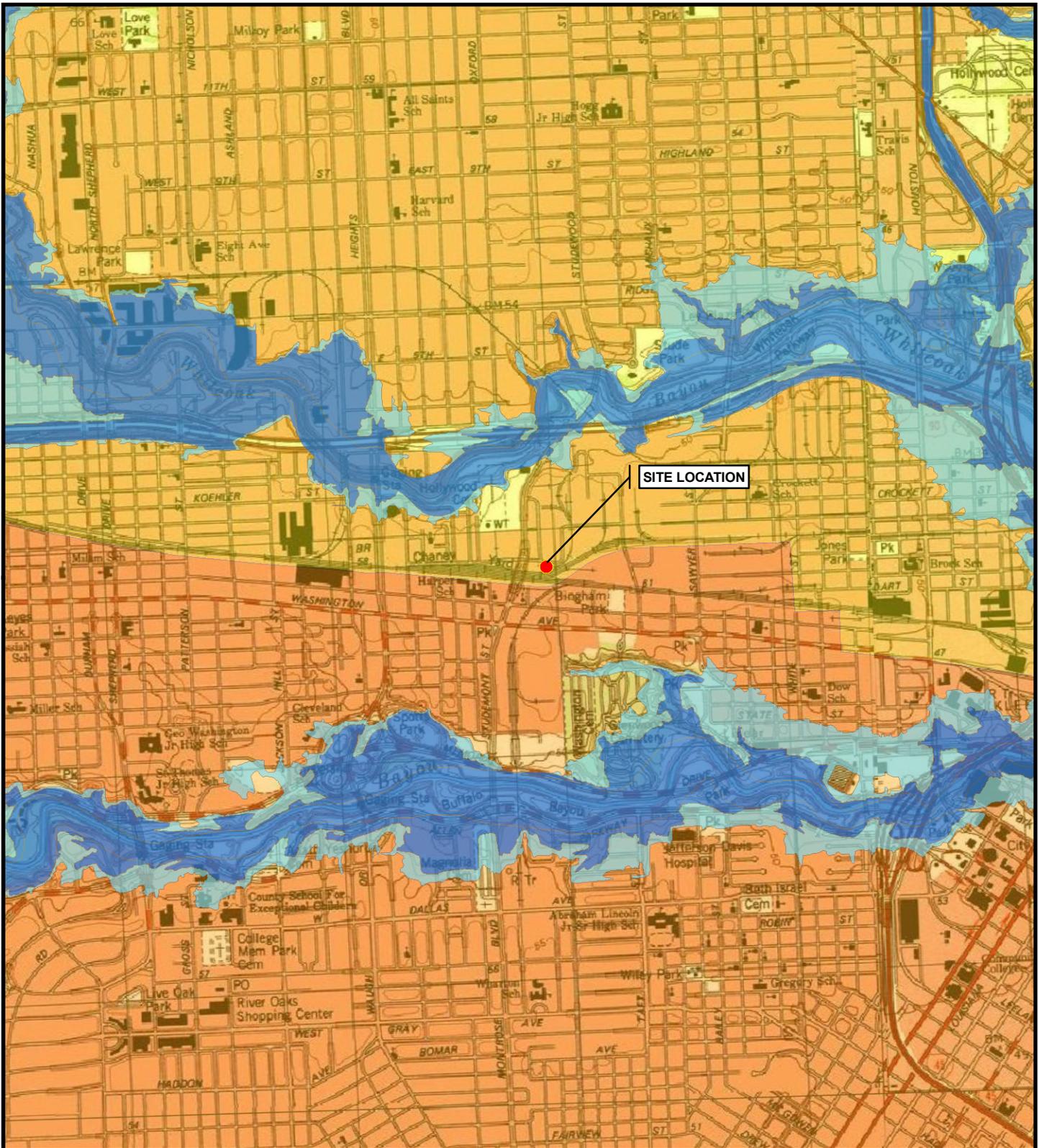
LEGEND

- | | | | |
|-------|--------------------------|----|--------------------------|
| —X— | FENCE | RR | RESTROOM |
| — — — | POTABLE WATER LINE | SB | SAND BLAST SHED |
| — — — | WASTEWATER LINE | F | FLAMMABLES STORAGE |
| — — — | STORM SEWER | BH | BAG HOUSE FILTER UNIT |
| ■ ● | STORMWATER / FLOOR DRAIN | CS | CYCLONE SEPARATOR UNIT |
| ⊠ | CONCRETE PAD | □ | SUMP / CATCH BASIN |
| ■ | AREA OF PATCHED CONCRETE | ● | POLE-MOUNTED TRANSFORMER |



FIGURE 1
SITE PLAN MAP
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

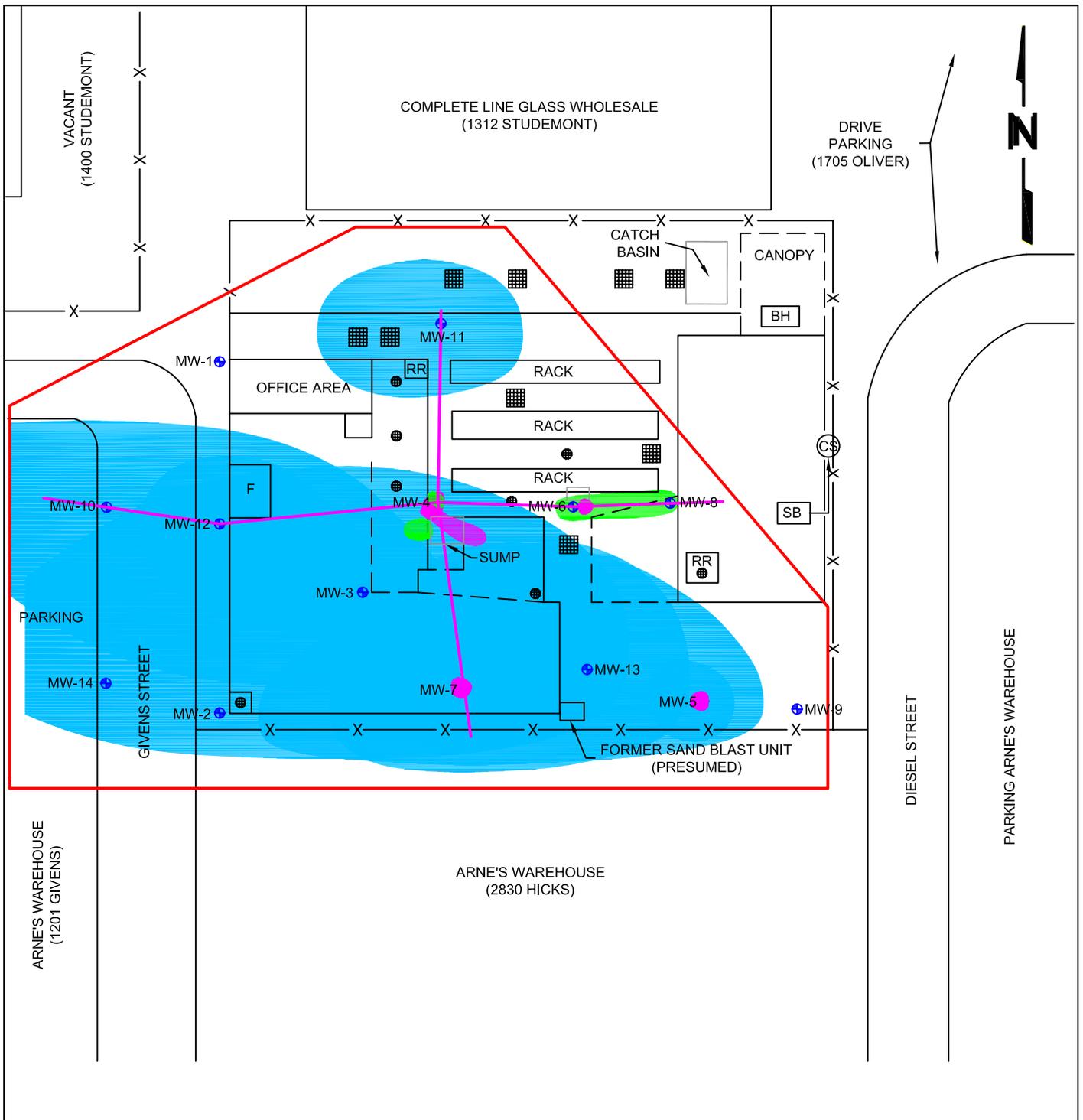
- SITE LOCATION
- FLOOD PLAIN DATA**
- 100 YEAR FLOOD PLAIN
- 500 YEAR FLOOD PLAIN
- WATERSHED**
- BUFFALO BAYOU
- WHITE OAK BAYOU

SOURCE: USGS, FEMA/TARP, HARRIS COUNTY ENGINEERING DIV.



FIGURE 2
TOPOGRAPHY MAP
 LUI HOUSTON STUDEMONT, L.P
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, HARRIS COUNTY, TEXAS

DATE NOV. 2007	PROJECT NO 13821.001.002.0010	SCALE AS SHOWN
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LEGEND

- x - x - FENCE
- AFFECTED PROPERTY BOUNDARY
- GROUNDWATER PCLE ZONE
- SURFACE SOIL PCLE ZONE
- SUBSURFACE SOIL PCLE ZONE
- SUMP / CATCH BASIN
- STORMWATER / FLOOR DRAIN
- RR RESTROOM
- SB SAND BLAST SHED
- F FLAMMABLES STORAGE
- BH BAG HOUSE FILTER UNIT
- CS CYCLONE SEPARATOR UNIT
- POLE-MOUNTED TRANSFORMER

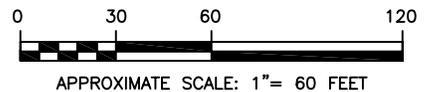
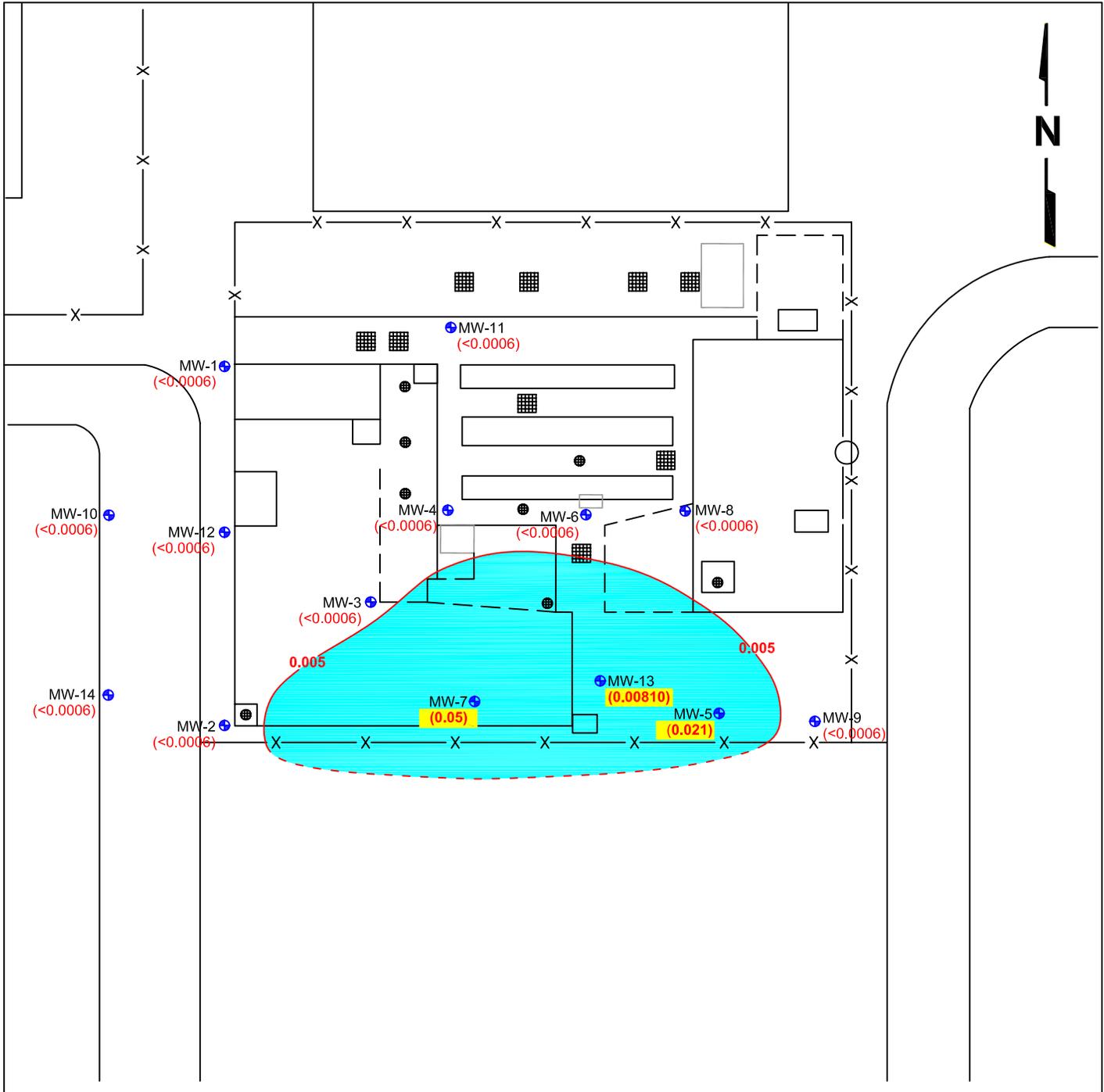




FIGURE 3
DETECTED GROUNDWATER
CONTAMINATION MAP
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

—X— FENCE

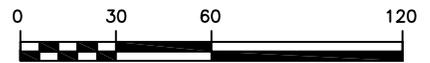
MW-1 MONITORING WELL LOCATION

REPORTED BENZENE CONCENTRATION IN GROUNDWATER
 < INDICATES COC NOT DETECTED ABOVE SQL
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
 CRITICAL PCL, BENZENE = 0.005 MG/L

GROUNDWATER PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

STORMWATER DRAIN / FLOOR DRAIN

SUMP / CATCH BASIN

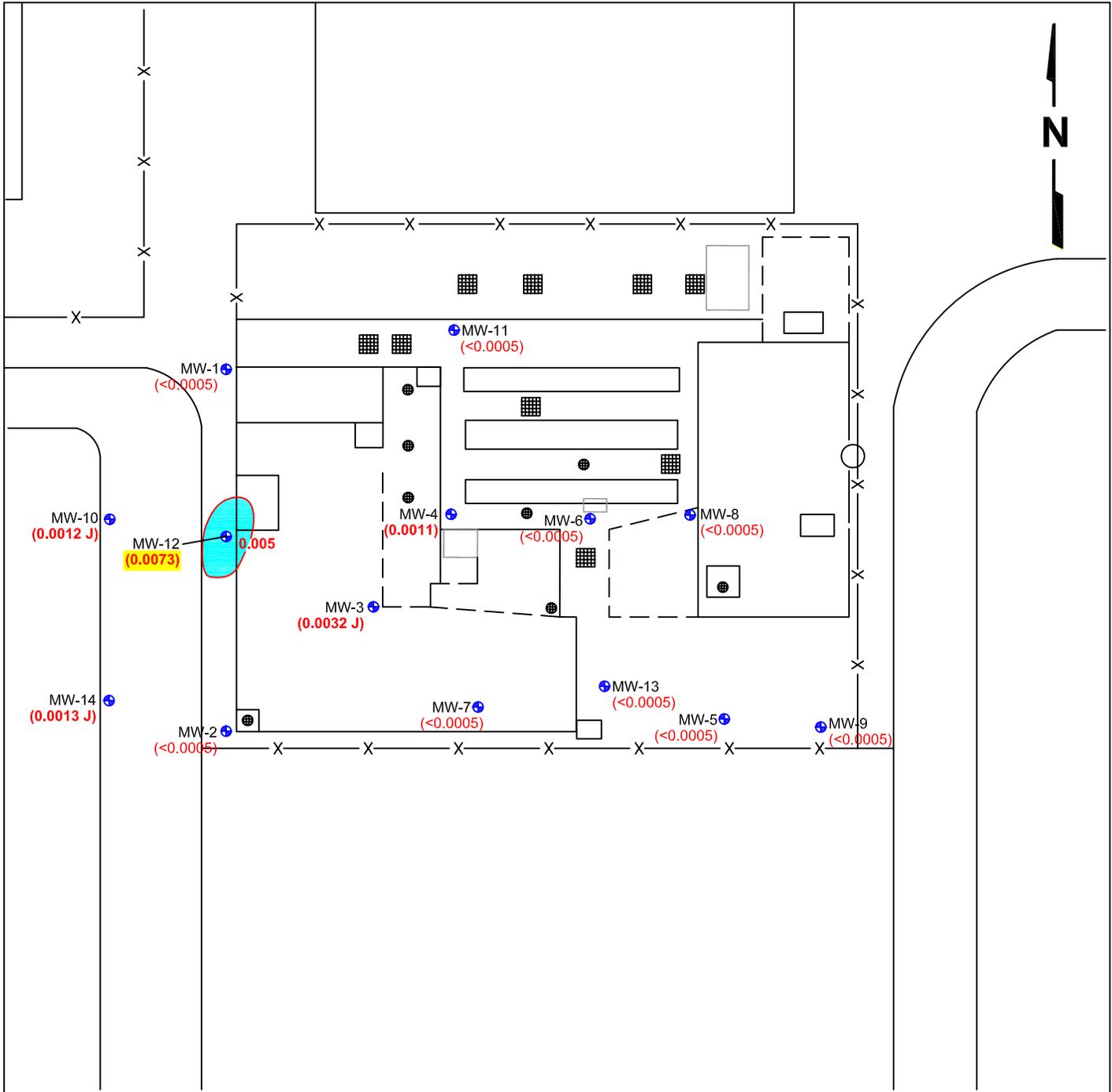


APPROXIMATE SCALE: 1" = 60 FEET



FIGURE 6-1
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - BENZENE
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

—X— FENCE

MW-1 MONITORING WELL LOCATION

REPORTED 1,2-DICHLOROETHANE CONCENTRATION IN GROUNDWATER
 < INDICATES COC NOT DETECTED ABOVE SQL
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
 CRITICAL PCL, 1,2-DICHLOROETHANE = 0.005 MG/L

GROUNDWATER PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

STORMWATER DRAIN / FLOOR DRAIN

SUMP / CATCH BASIN



APPROXIMATE SCALE: 1" = 60 FEET

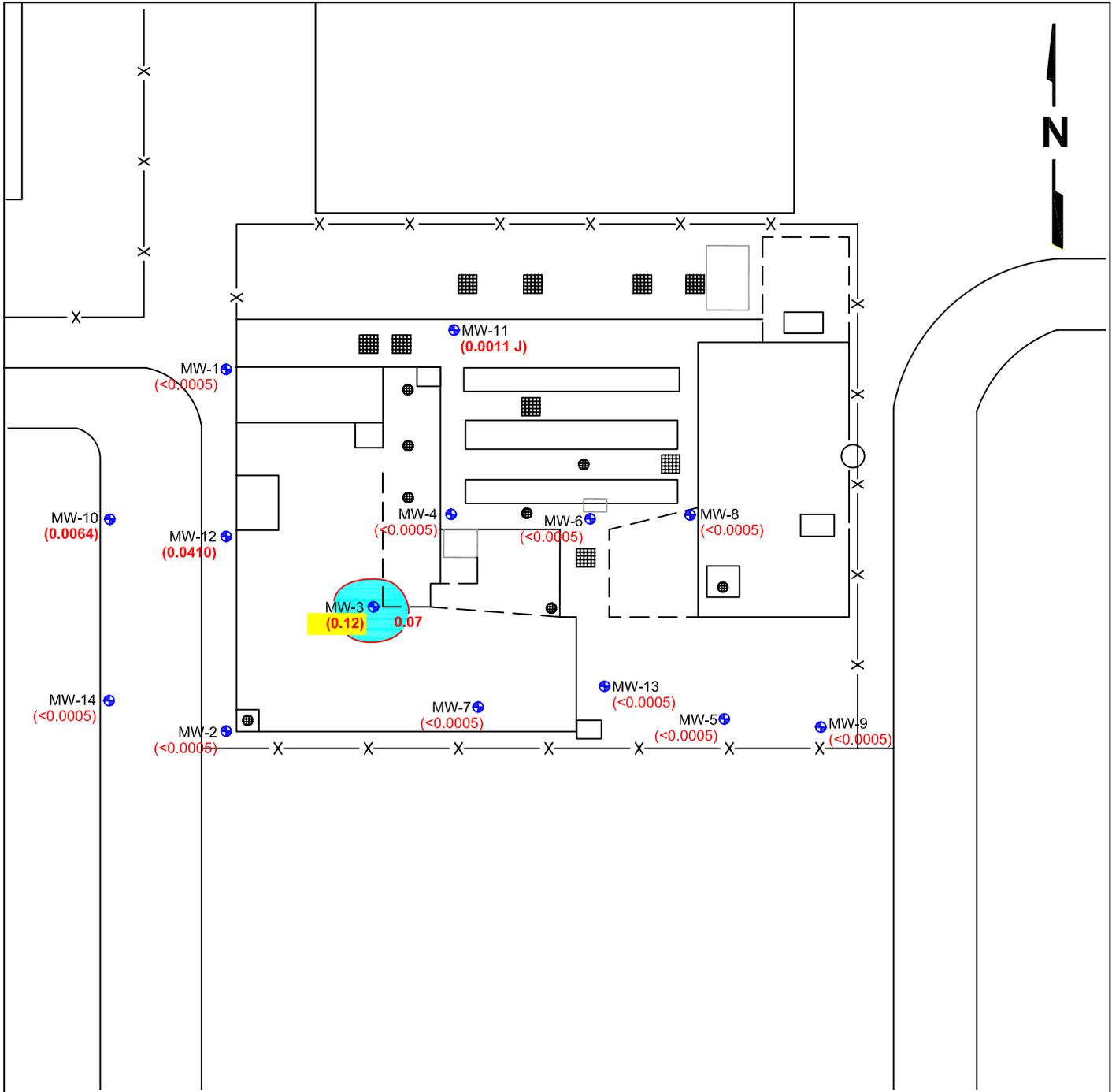


FIGURE 6-2
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - 1,2-DICHLOROETHANE
 LUI HOUSTON STUDEMON, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE
NOV 07

PROJECT NO.
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APPROX SCALE
1 INCH = 60 FEET



LEGEND

—X— FENCE

MW-1 MONITORING WELL LOCATION

REPORTED CIS-1,2-DICHLOROETHENE CONCENTRATION IN GROUNDWATER
 < INDICATES COC NOT DETECTED ABOVE SQL

(0.12) BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
 CRITICAL PCL, CIS-1,2-DICHLOROETHENE = 0.07 MG/L

GROUNDWATER PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

STORMWATER DRAIN / FLOOR DRAIN

SUMP / CATCH BASIN

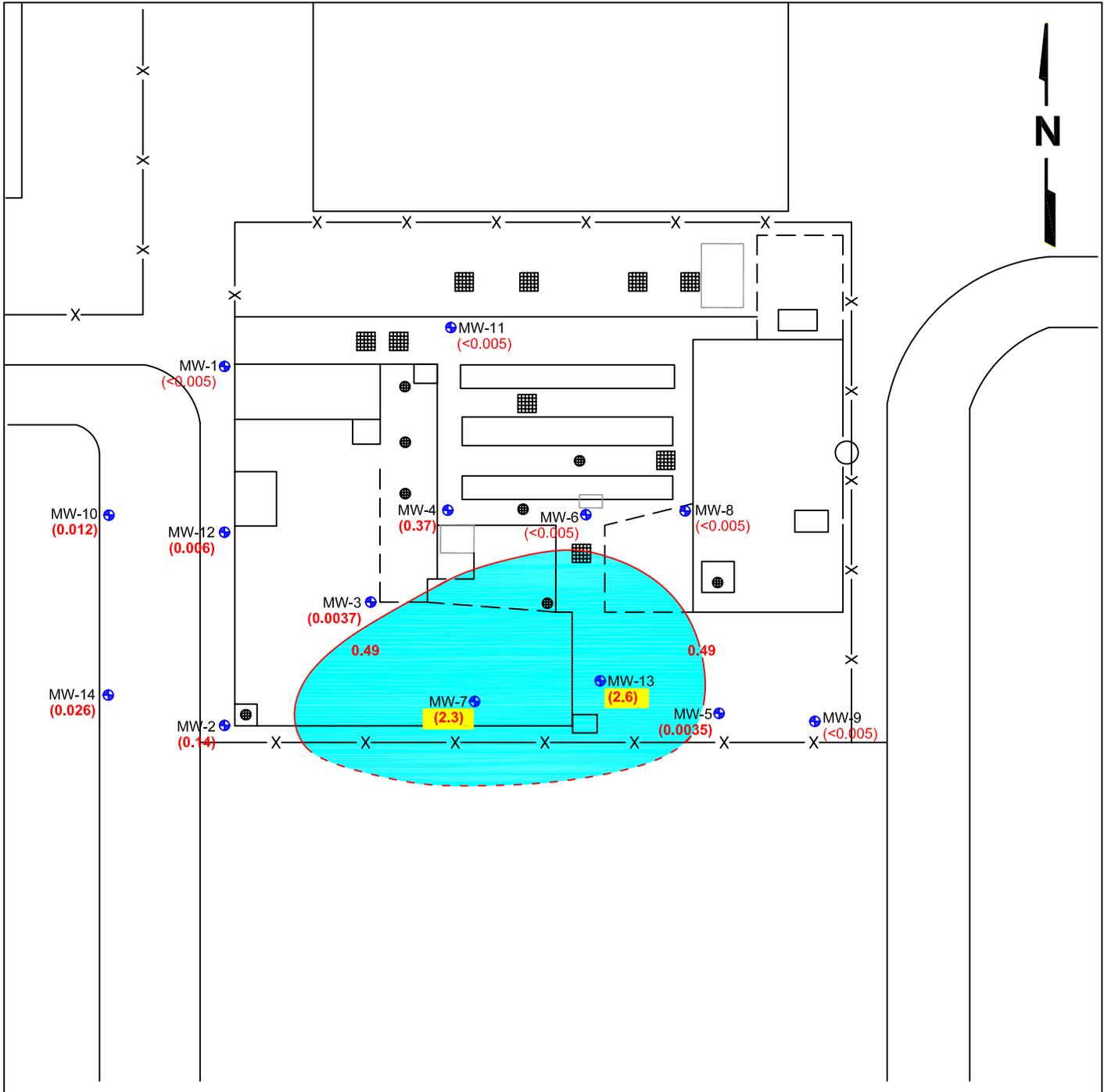


APPROXIMATE SCALE: 1" = 60 FEET



FIGURE 6-3
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - CIS-1,2-DICHLOROETHENE
 LUI HOUSTON STUDEMON, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

—X— FENCE

MW-1 MONITORING WELL LOCATION

(<0.0005) REPORTED NAPHTHALENE CONCENTRATION IN GROUNDWATER
 < INDICATES COC NOT DETECTED ABOVE SQL
(2.3) BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
 CRITICAL PCL, NAPHTHALENE = 0.49 MG/L

GROUNDWATER PCLE ZONE
 SAMPLE LOCATION WITHIN SHADED AREA EXCEED CRITICAL PCL

STORMWATER DRAIN / FLOOR DRAIN

SUMP / CATCH BASIN



APPROXIMATE SCALE: 1" = 60 FEET

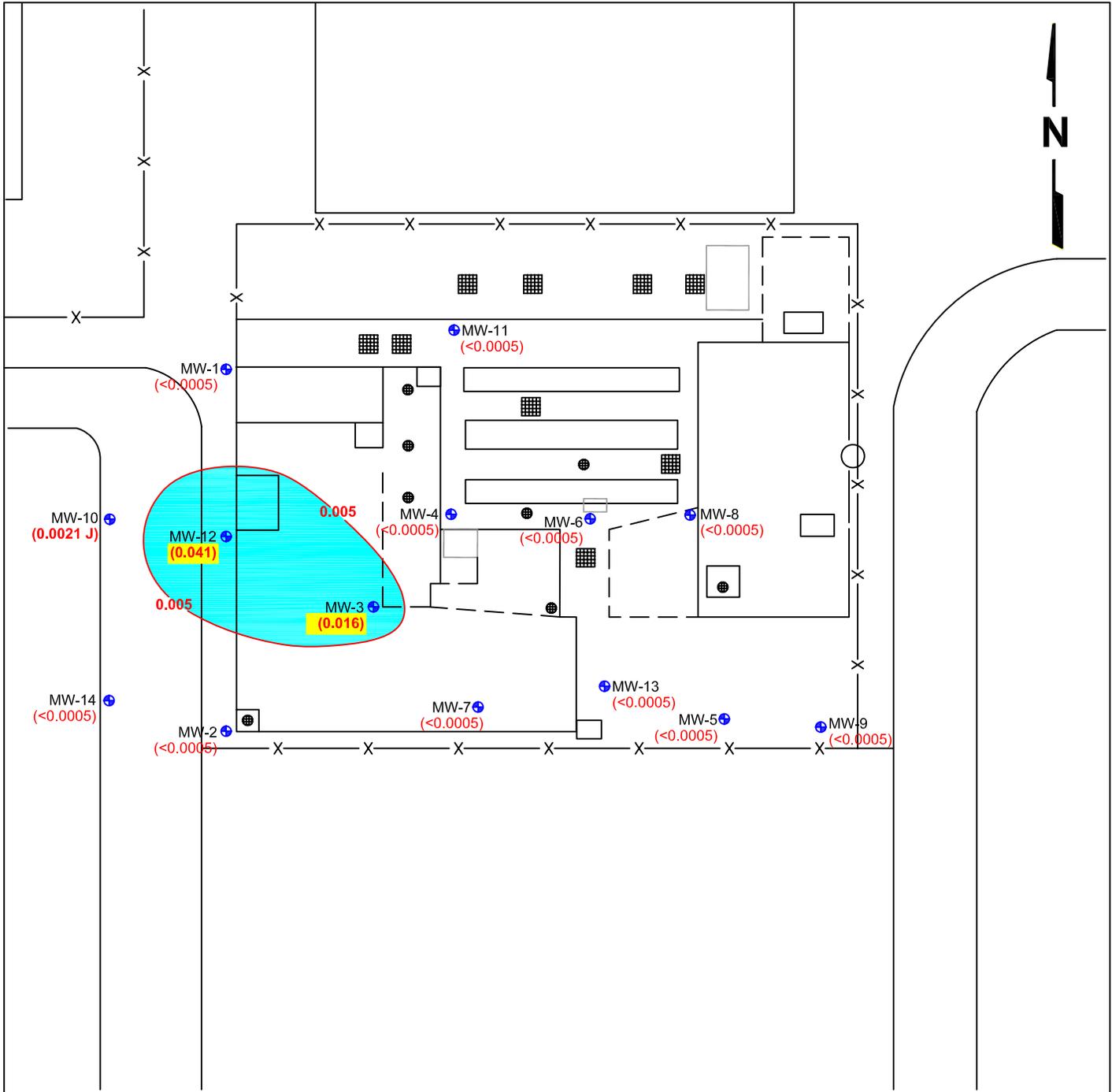


FIGURE 6-4
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - NAPHTHALENE
 LUI HOUSTON STUDEMON, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE
NOV 07

PROJECT NO.
13821.001.002.0010

APPROX SCALE
1 INCH = 60 FEET



LEGEND

—X— FENCE

MW-1 MONITORING WELL LOCATION

$<0.0005</math> REPORTED TETRACHLOROETHENE CONCENTRATION IN GROUNDWATER
<math><0.0005</math> < INDICATES COC NOT DETECTED ABOVE SQL
(0.041) BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
CRITICAL PCL, TETRACHLOROETHENE = 0.005 MG/L$

GROUNDWATER PCLE ZONE
SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

STORMWATER DRAIN / FLOOR DRAIN

SUMP / CATCH BASIN



APPROXIMATE SCALE: 1" = 60 FEET

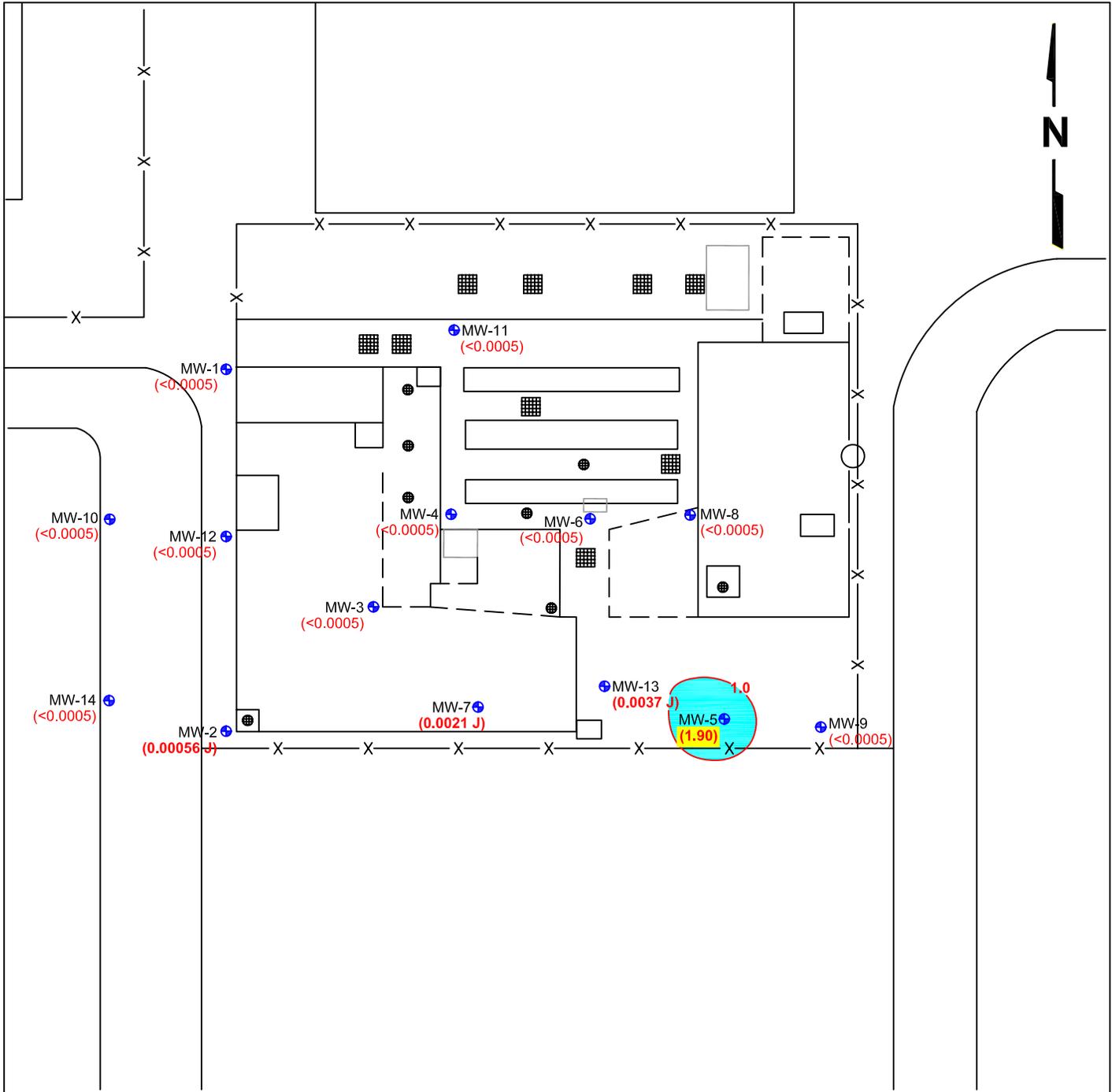


FIGURE 6-5
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - TETRACHLOROETHENE
LUI HOUSTON STUDEMON, L.P.
FORMER BUMPER SERVICE OF HOUSTON
1200 GIVENS STREET
HOUSTON, TEXAS

DATE
NOV 07

PROJECT NO.
13821.001.002.0010

APPROX SCALE
1 INCH = 60 FEET



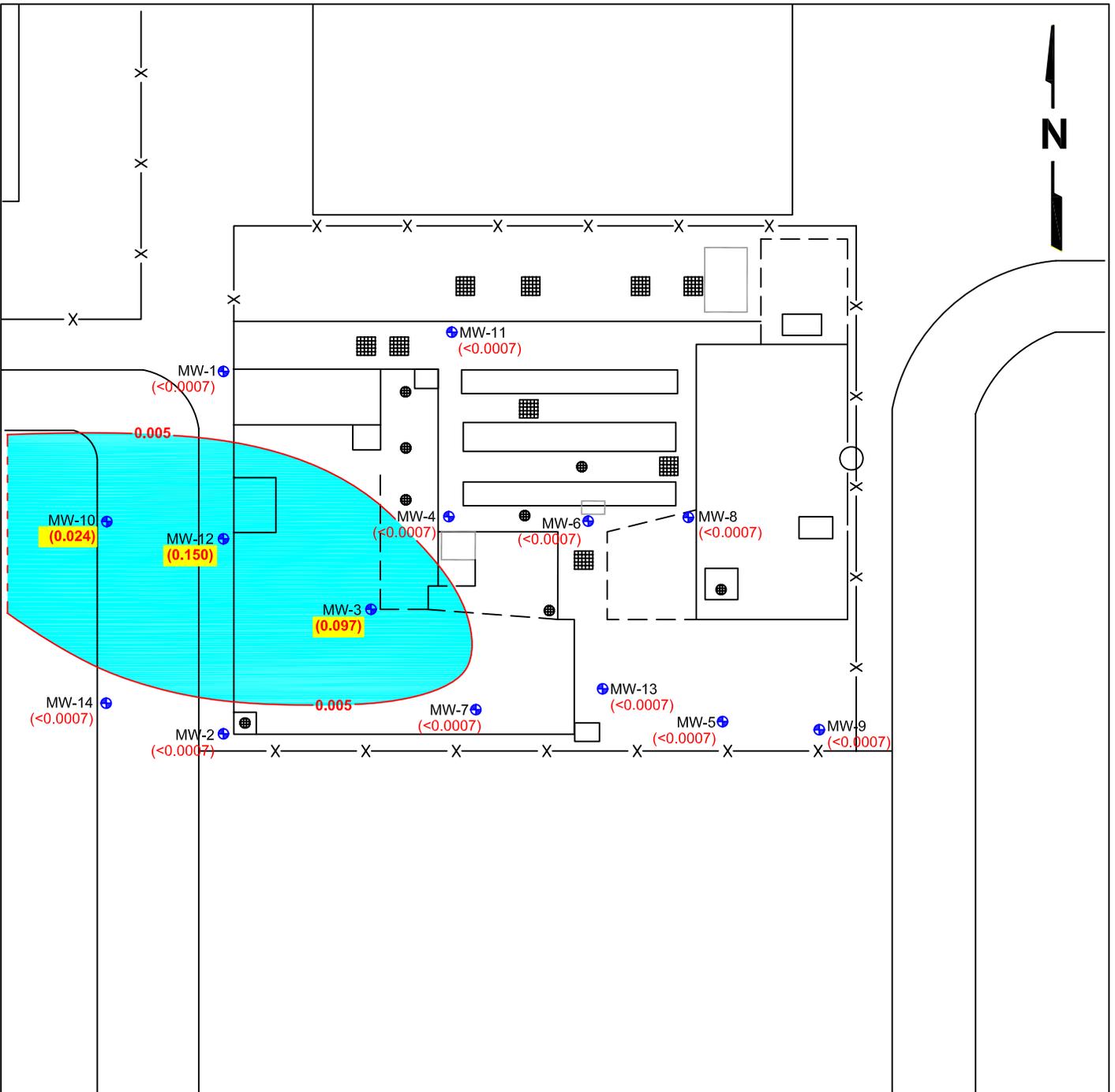
LEGEND

- X— FENCE
- MW-1 MONITORING WELL LOCATION
- <0.0005> REPORTED TOLUENE CONCENTRATION IN GROUNDWATER
< INDICATES COC NOT DETECTED ABOVE SQL
- (1.90)** BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
CRITICAL PCL, TOLUENE = 1.0 MG/L
- GROUNDWATER PCLE ZONE
SAMPLE LOCATION WITHIN SHADED AREA EXCEED CRITICAL PCL
- STORMWATER DRAIN / FLOOR DRAIN
- SUMP / CATCH BASIN



FIGURE 6-6
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - TOLUENE
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

—X— FENCE

MW-1 MONITORING WELL LOCATION

<0.0007 REPORTED TRICHLOROETHENE CONCENTRATION IN GROUNDWATER
 < INDICATES COC NOT DETECTED ABOVE SQL
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
 CRITICAL PCL, TRICHLOROETHENE = 0.005 MG/L

GROUNDWATER PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

STORMWATER DRAIN / FLOOR DRAIN

SUMP / CATCH BASIN



APPROXIMATE SCALE: 1" = 60 FEET

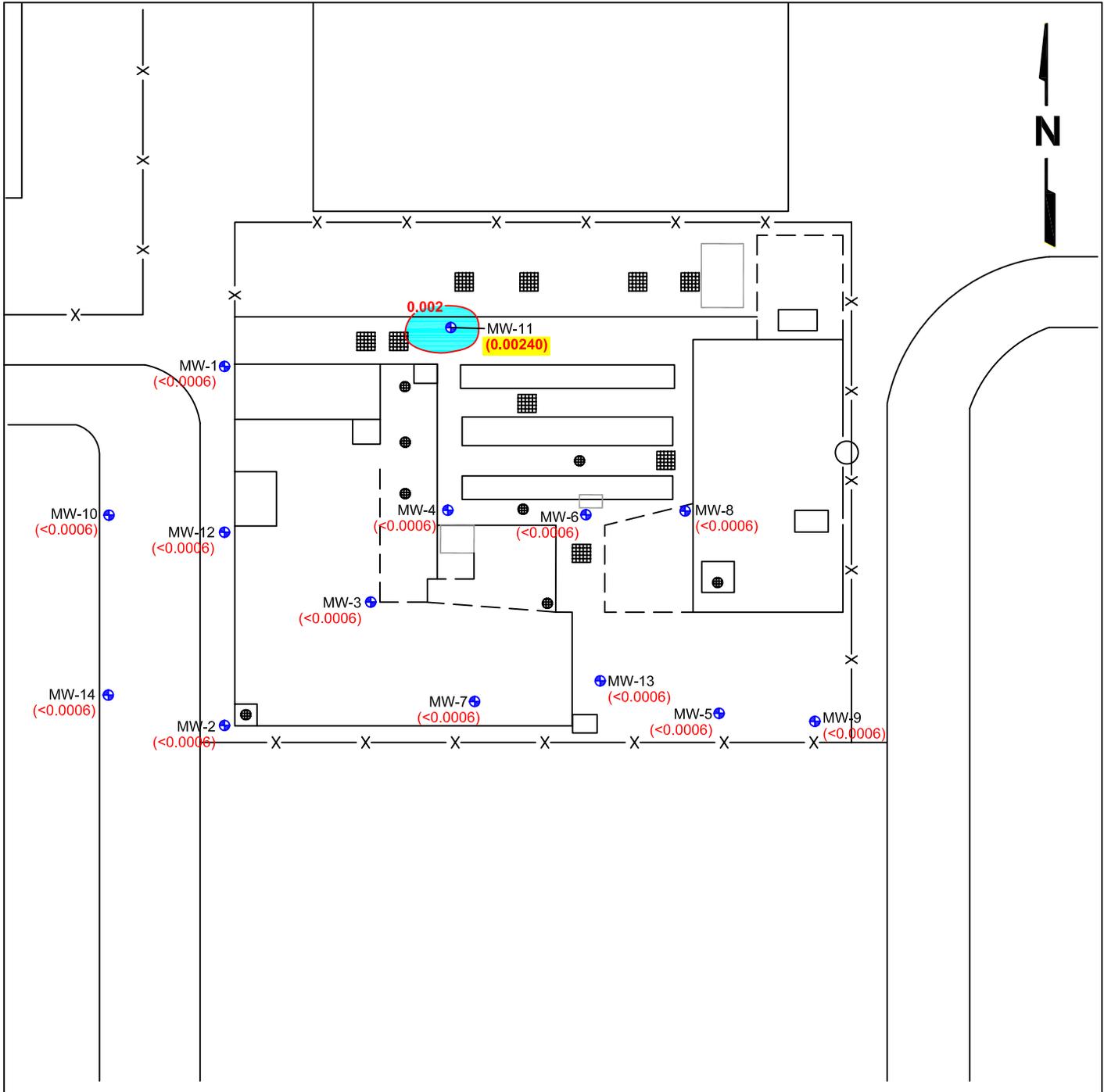


FIGURE 6-7
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - TRICHLOROETHENE
 LUI HOUSTON STUDEMON, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE
NOV 07

PROJECT NO.
13821.001.002.0010

APPROX SCALE
1 INCH = 60 FEET



LEGEND

—X— FENCE

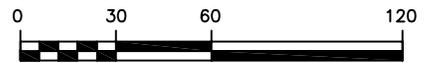
MW-1 MONITORING WELL LOCATION

REPORTED VINYL CHLORIDE CONCENTRATION IN GROUNDWATER
< INDICATES COC NOT DETECTED ABOVE SQL
BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
(0.00240) HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
CRITICAL PCL, VINYL CHLORIDE = 0.002 MG/L

GROUNDWATER PCLE ZONE
SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

STORMWATER DRAIN / FLOOR DRAIN

SUMP / CATCH BASIN



APPROXIMATE SCALE: 1" = 60 FEET

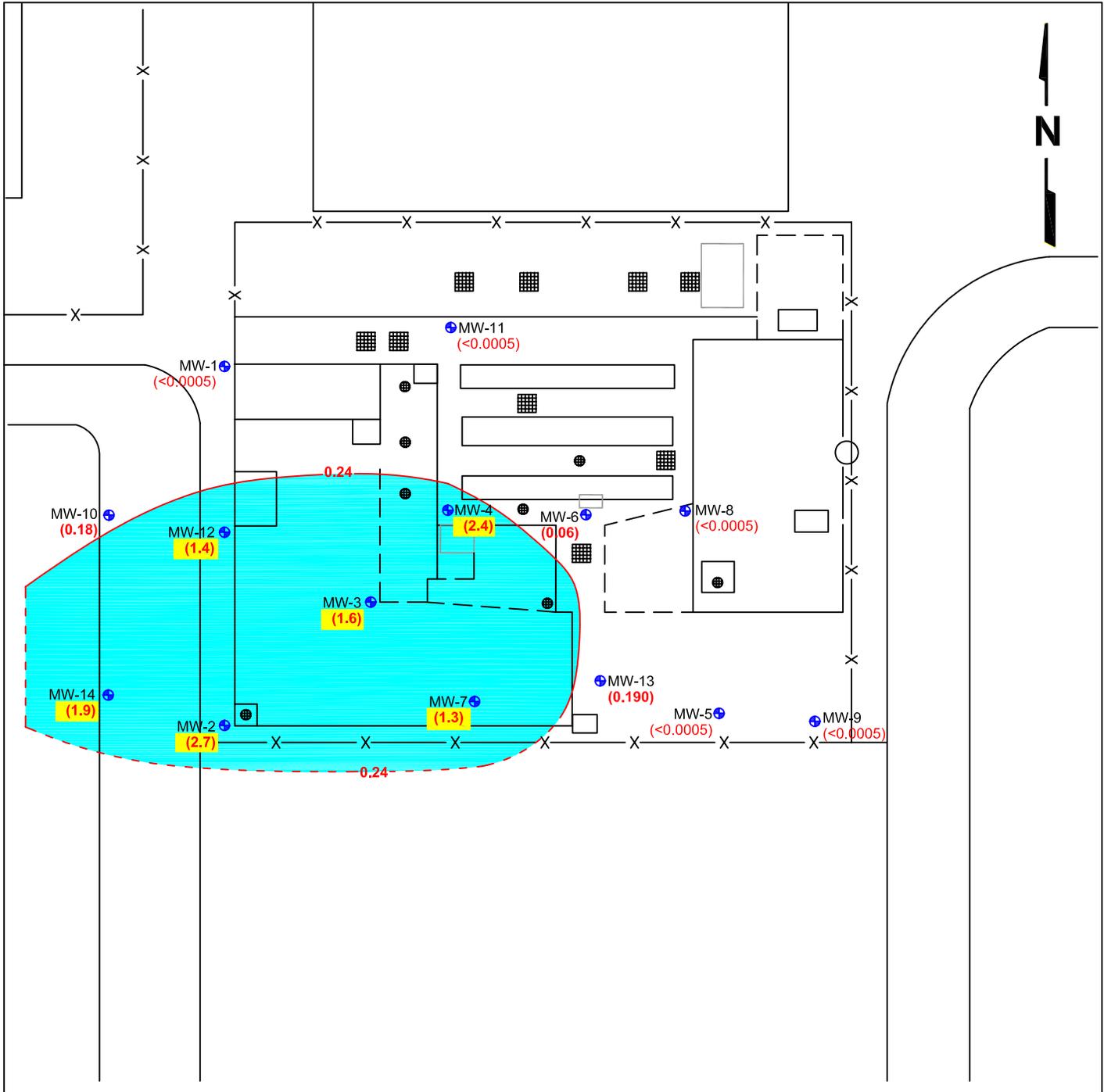


FIGURE 6-8
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - VINYL CHLORIDE
LUI HOUSTON STUDEMONT, L.P.
FORMER BUMPER SERVICE OF HOUSTON
1200 GIVENS STREET
HOUSTON, TEXAS

DATE
NOV 07

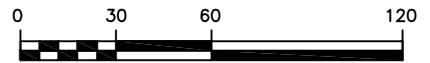
PROJECT NO.
13821.001.002.0010

APPROX SCALE
1 INCH = 60 FEET



LEGEND

- FENCE
- MW-1 MONITORING WELL LOCATION
- <0.0005 REPORTED MTBE CONCENTRATION IN GROUNDWATER
- < INDICATES COC NOT DETECTED ABOVE SQL
- 2.7** BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
- HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE THE CRITICAL PCL
- CRITICAL PCL, MTBE = 0.24 MG/L
- GROUNDWATER PCLE ZONE
- SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL
- STORMWATER DRAIN / FLOOR DRAIN
- SUMP / CATCH BASIN

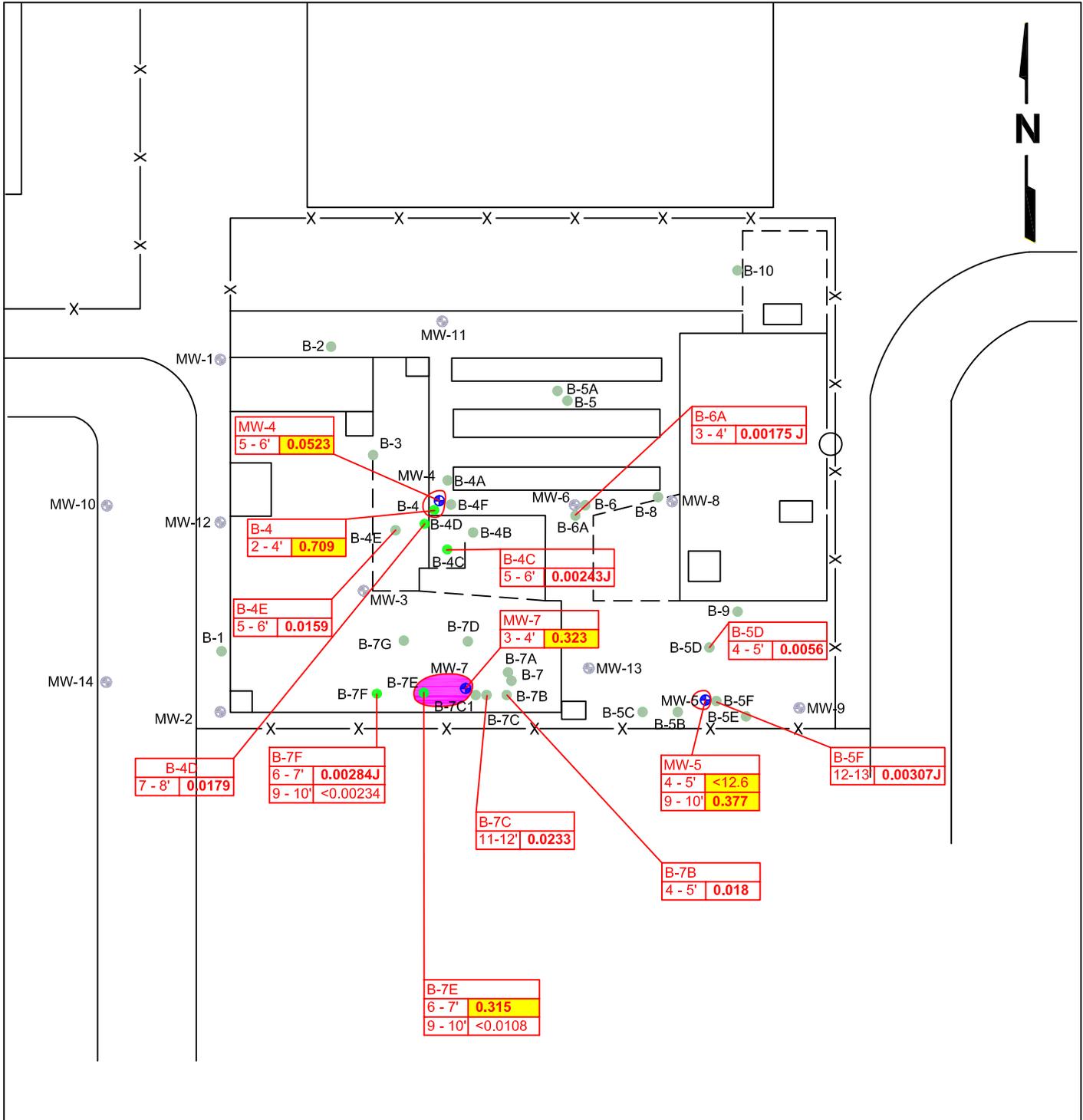


APPROXIMATE SCALE: 1" = 60 FEET



FIGURE 6-9
GROUNDWATER PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - MTBE
 LUI HOUSTON STUDEMON, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

- MW-1 MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1 SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

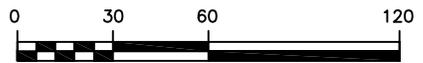
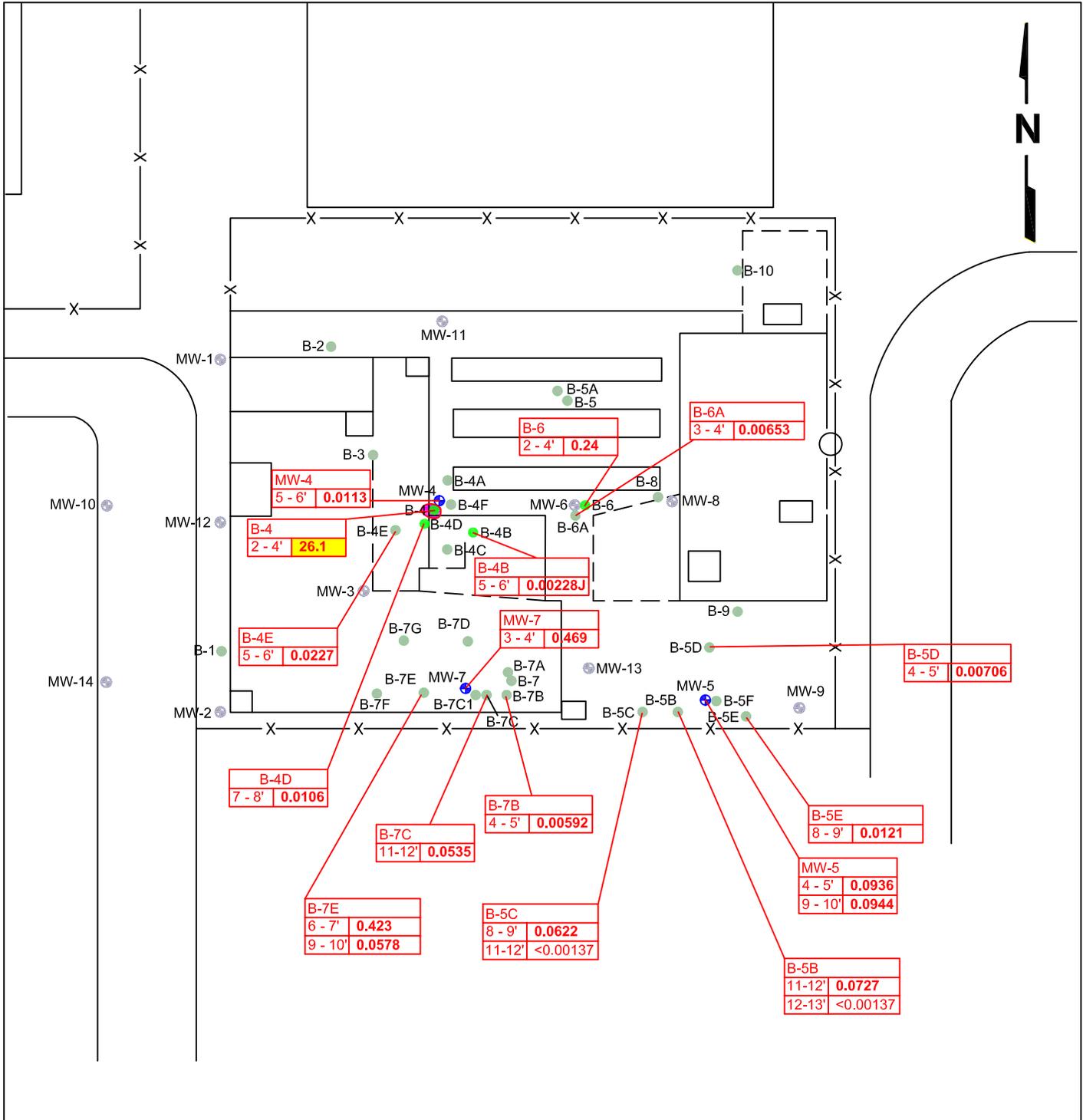
REPORTED BENZENE CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, BENZENE = 0.026 MG/KG

SURFACE SOIL PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL



FIGURE 7-1
SURFACE SOIL PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - BENZENE
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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APPROXIMATE SCALE: 1" = 60 FEET

LEGEND

- MW-1 MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1 SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

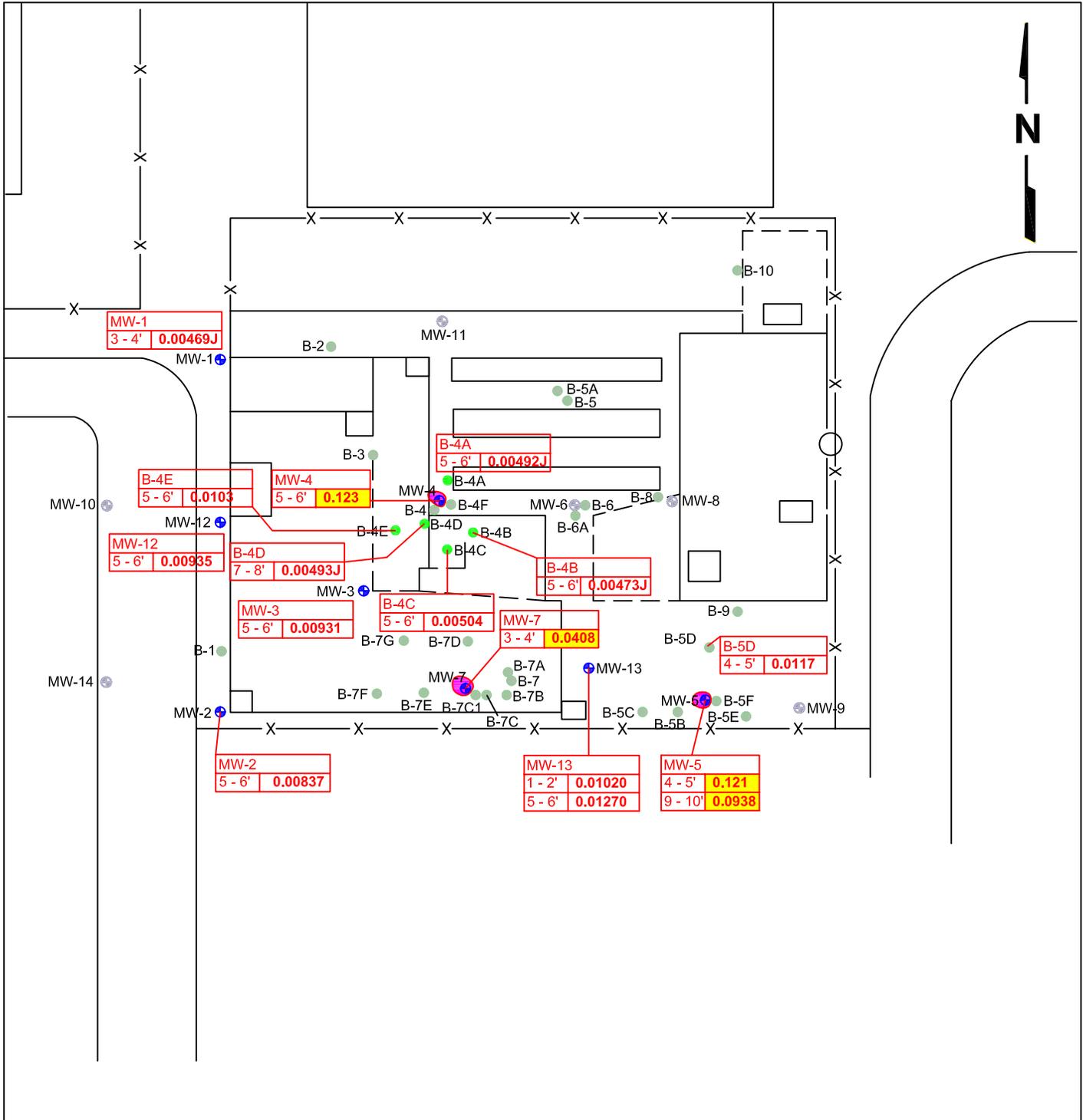
REPORTED ETHYLBENZENE CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, ETHYLBENZENE = 7.6 MG/KG

SURFACE SOIL PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL



FIGURE 7-2
SURFACE SOIL PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - ETHYLBENZENE
 LUI HOUSTON STUDEMON, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

- MW-1 MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1 SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

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0.0179
0.323

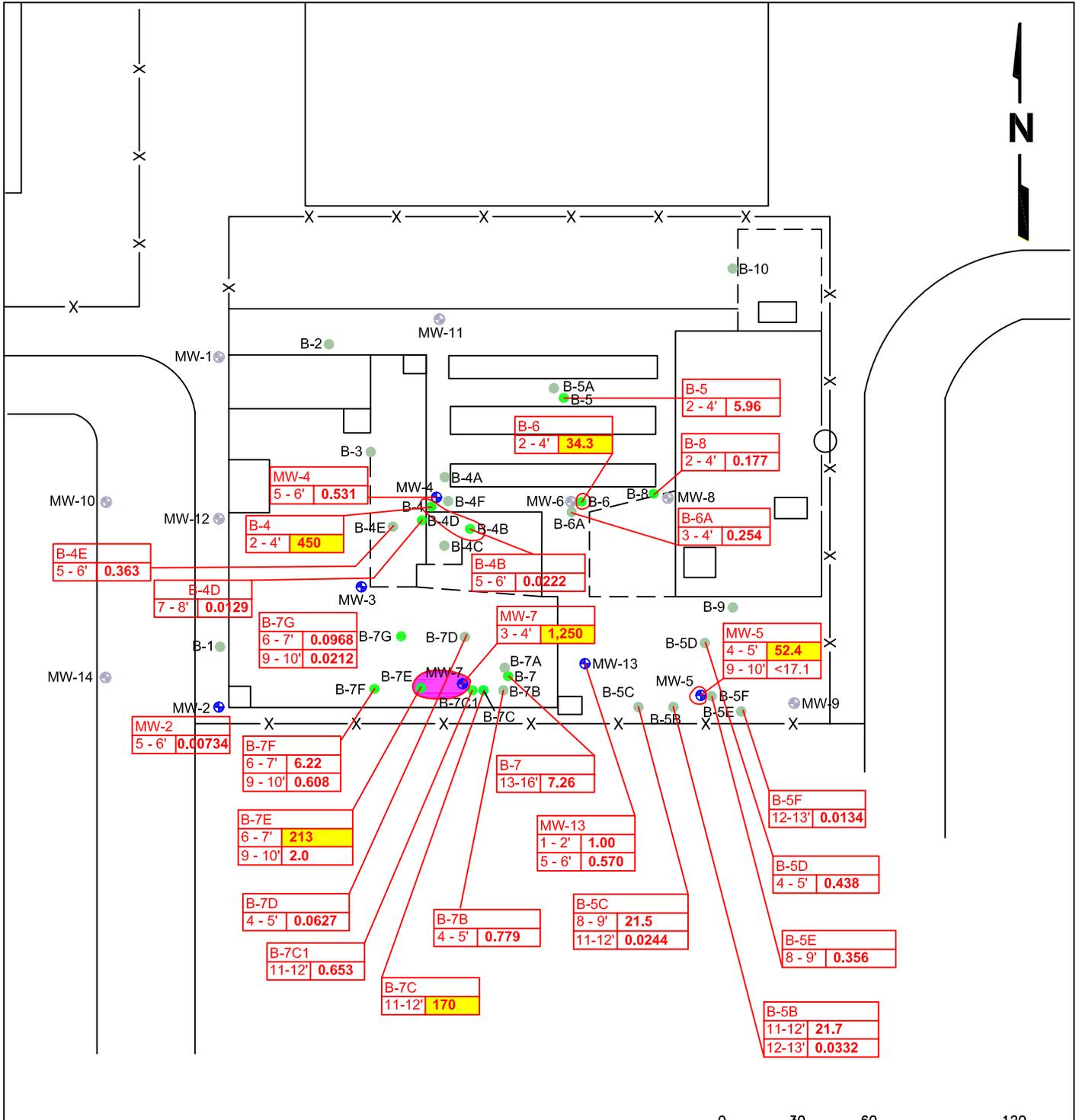
REPORTED METHYLENE CHLORIDE CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, METHYLENE CHLORIDE = 0.013 MG/KG

SURFACE SOIL PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL



FIGURE 7-3
SURFACE SOIL PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - METHYLENE CHLORIDE
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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APPROXIMATE SCALE: 1" = 60 FEET

LEGEND

- MW-1 MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1 SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

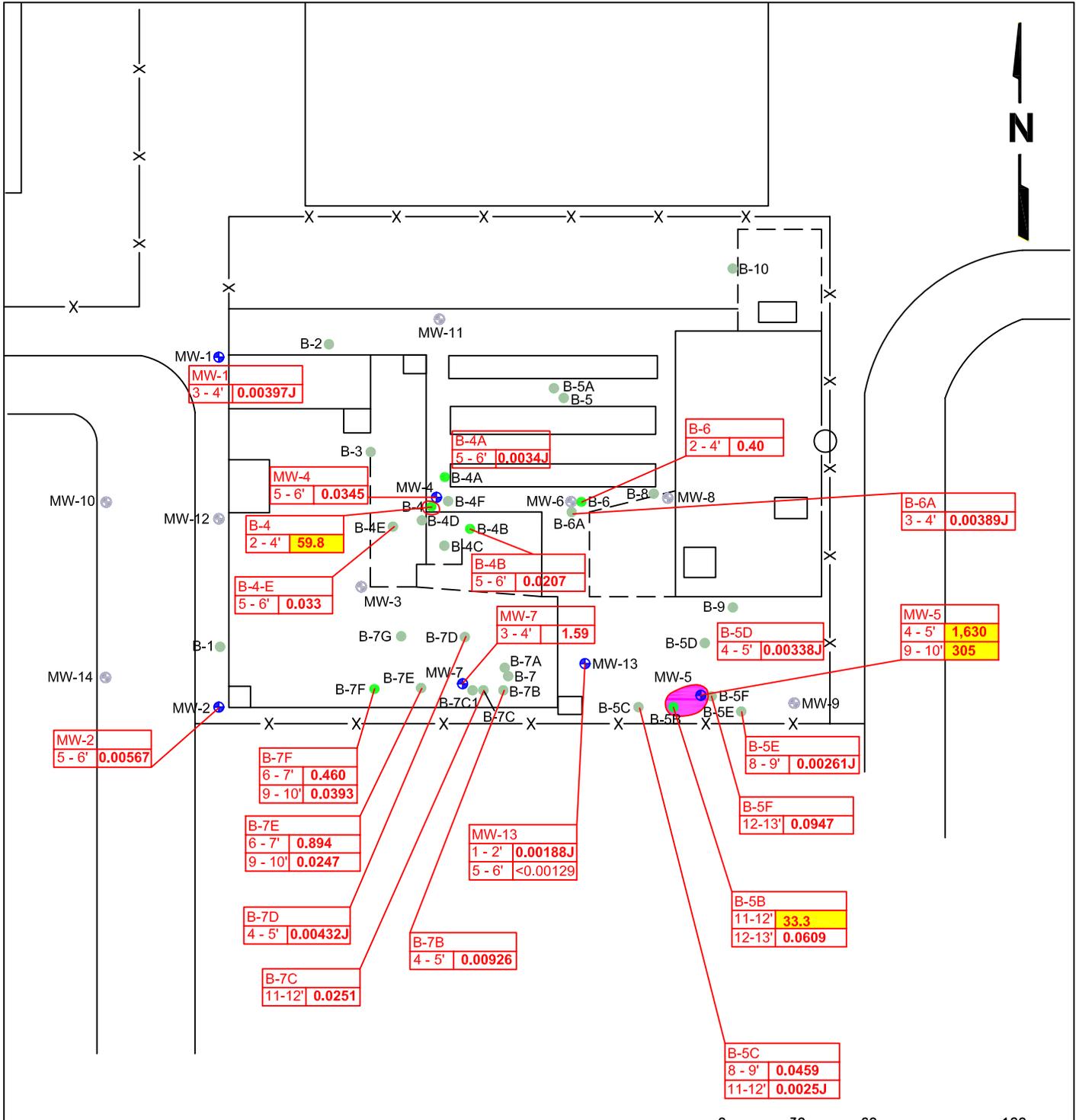
REPORTED NAPHTHALENE CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, NAPHTHALENE = 31 MG/KG

SURFACE SOIL PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL



FIGURE 7-4
SURFACE SOIL PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - NAPHTHALENE
 LUI HOUSTON STUDEMON, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

- MW-1 MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1 SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

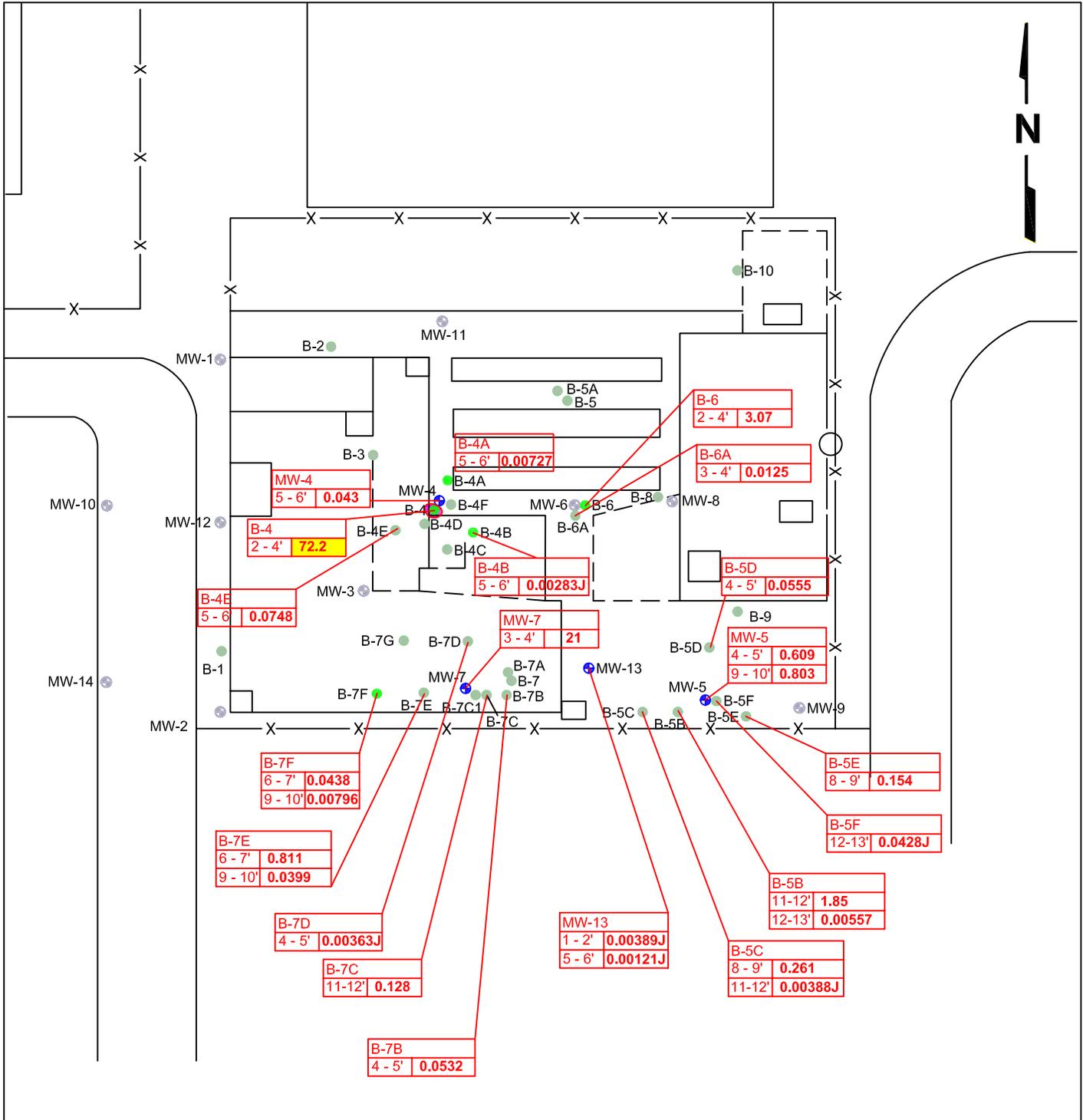
REPORTED TOLUENE CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, TOLUENE = 8.2 MG/KG

SURFACE SOIL PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL



FIGURE 7-5
SURFACE SOIL PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - TOLUENE
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

- MW-1 MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1 SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

<0.00234
0.0179
0.323

REPORTED 1,2,4-TRIMETHYLBENZENE CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, 1,2,4-TRIMETHYLBENZENE = 49 MG/KG



SURFACE SOIL PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

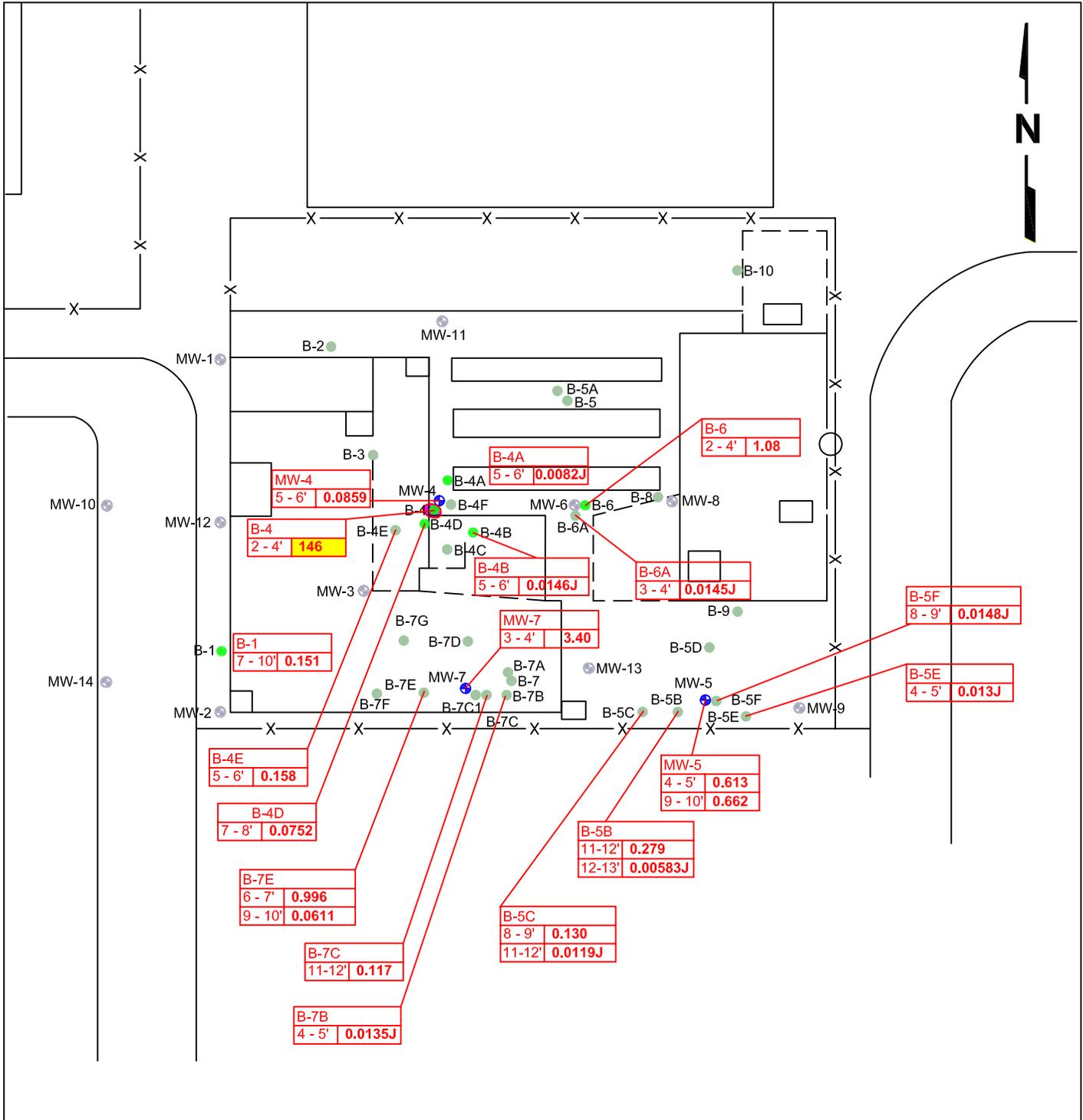


APPROXIMATE SCALE: 1" = 60 FEET



FIGURE 7-6
SURFACE SOIL PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - 1,2,4-TRIMETHYLBENZENE
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

- MW-1 MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1 SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

REPORTED XYLENES (TOTAL) CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, XYLENES (TOTAL) = 120 MG/KG

<0.00234
 0.0179
 0.323

SURFACE SOIL PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

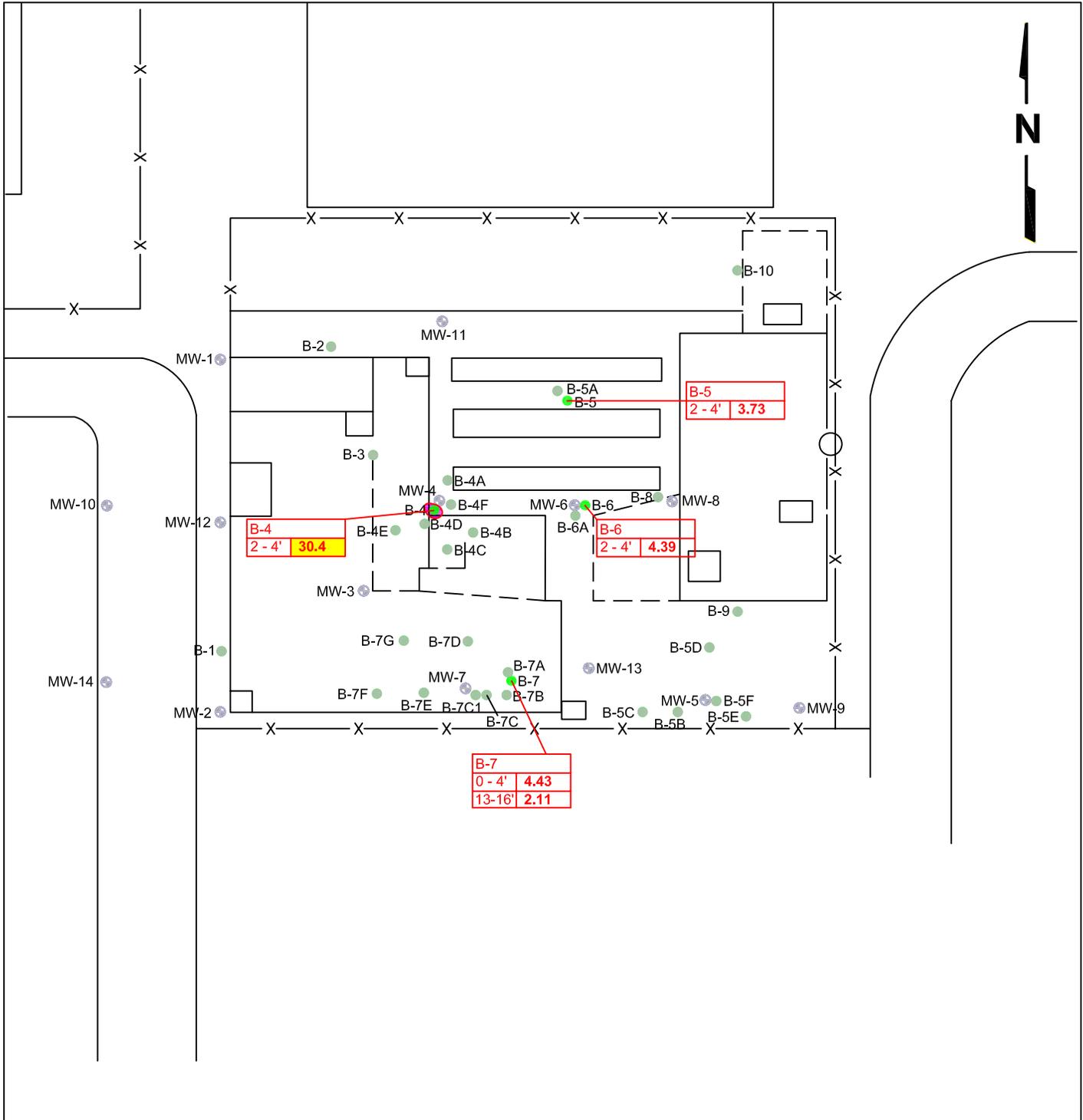


APPROXIMATE SCALE: 1" = 60 FEET



FIGURE 7-7
SURFACE SOIL PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE (PCLE)
ZONE - XYLENES (TOTAL)
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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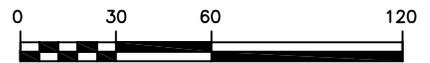
LEGEND

- MW-1 MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1 SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

REPORTED 2-METHYLNAPHTHALENE CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, 2-METHYLNAPHTHALENE = 17 MG/KG

<0.00234
0.0179
0.323

SURFACE SOIL PCLE ZONE
SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL

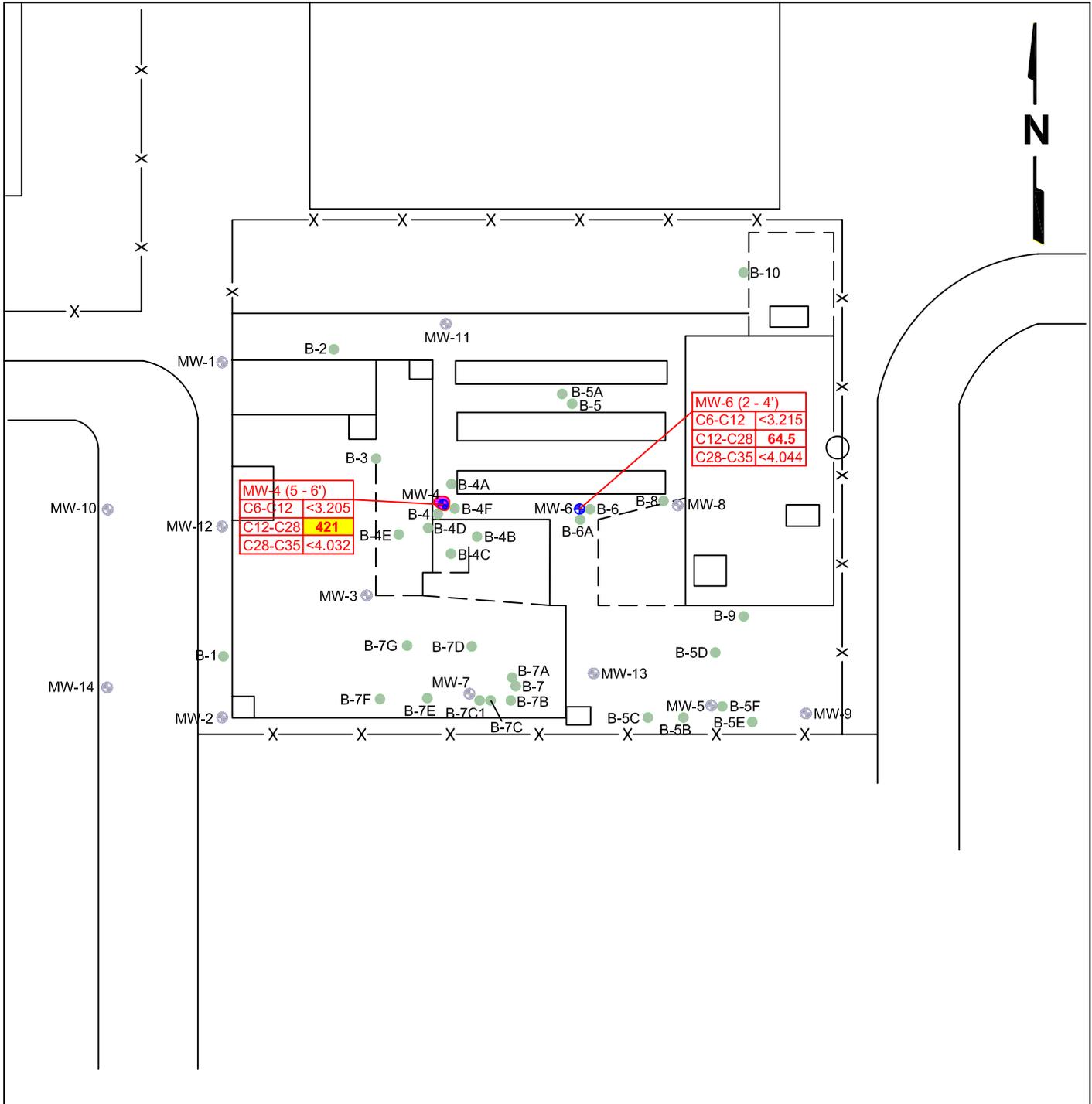


APPROXIMATE SCALE: 1" = 60 FEET



FIGURE 7-8
SURFACE SOIL PROTECTIVE
CONCENTRATION LEVEL EXCEEDANCE
(PCLE) ZONE - 2-METHYLNAPHTHALENE
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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LEGEND

- MW-1  MONITORING WELL LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL
- B-1  SOIL BORING LOCATION
GHOSTED SYMBOL INDICATES COC NOT DETECTED ABOVE SQL

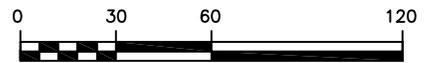
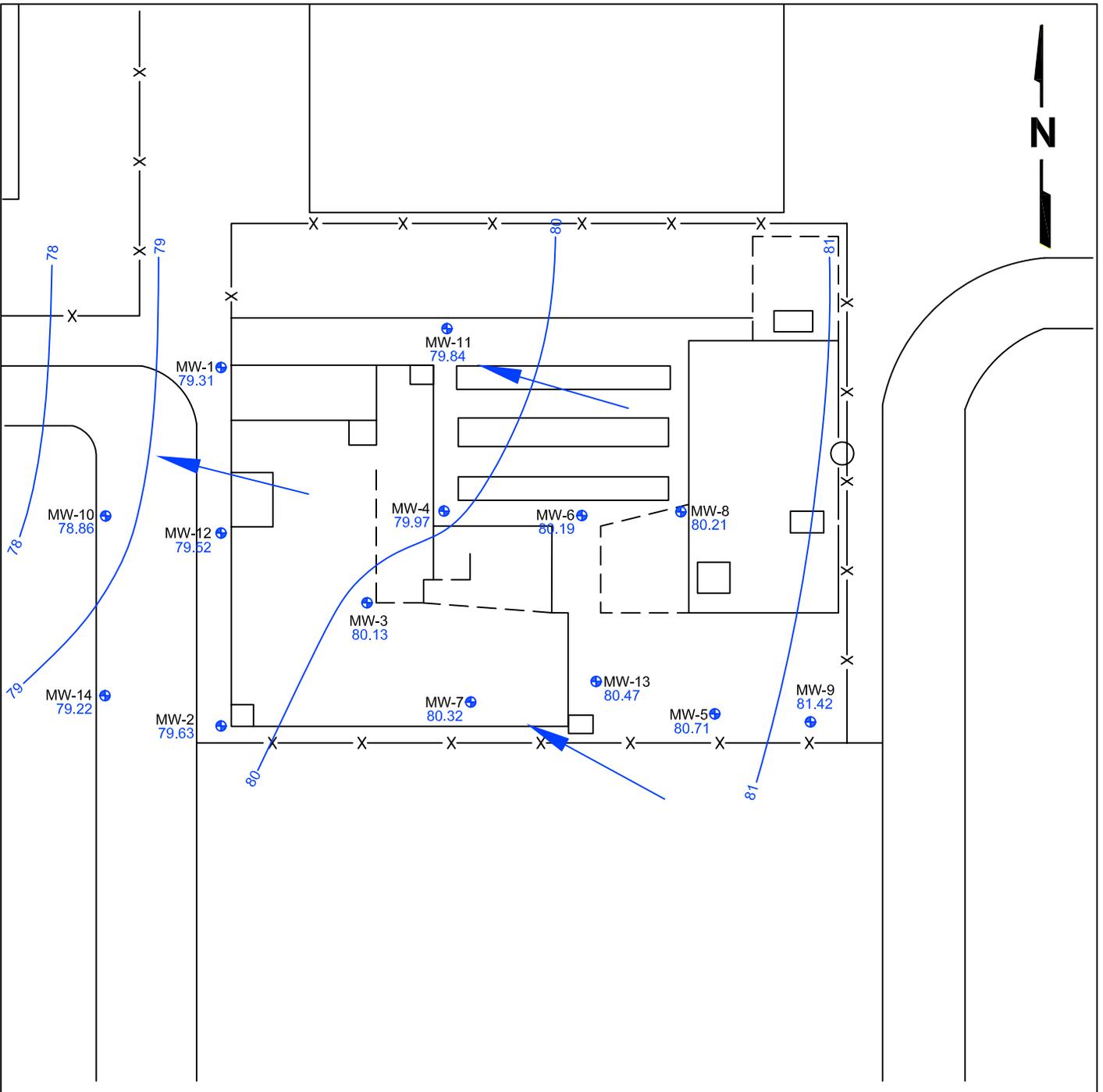
REPORTED TPH CONCENTRATION IN SURFACE SOIL
 "<" INDICATES COC NOT DETECTED ABOVE SQL
 "J" INDICATES COC IS AN ESTIMATED VALUE
 BOLD VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE SQL
 HIGHLIGHTED VALUE INDICATES CONCENTRATION DETECTED AT OR ABOVE CRITICAL PCL
 CRITICAL PCL, TPH (C6 TO C12) = 65 MG/KG
 CRITICAL PCL, TPH (C12 TO C28) = 200 MG/KG
 CRITICAL PCL, TPH (C28 TO C35) = 200 MG/KG

 SURFACE SOIL PCLE ZONE
 SAMPLE LOCATIONS WITHIN SHADED AREA EXCEED CRITICAL PCL



FIGURE 7-9
SURFACE SOIL PROTECTIVE CONCENTRATION
LEVEL EXCEEDANCE (PCLE) ZONE - TOTAL
PETROLEUM HYDROCARBONS
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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APPROXIMATE SCALE: 1" = 60 FEET

LEGEND

—X— FENCE

MW-1+
79.31 MONITORING WELL LOCATION WITH CORRECTED GROUNDWATER ELEVATION

GROUNDWATER ELEVATION CONTOUR
CONTOUR INTERVAL = 0.5 FT

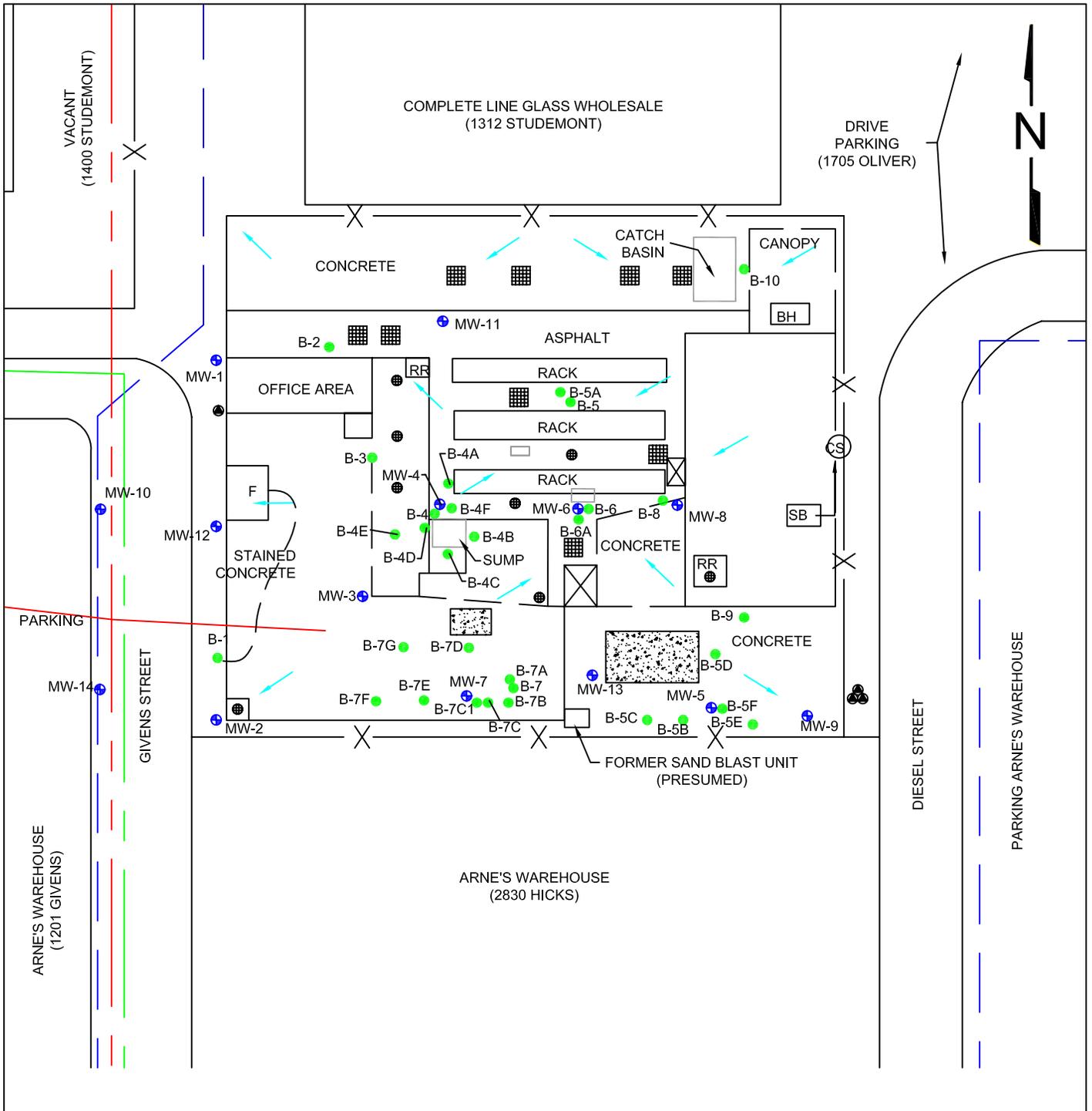
APPROXIMATE DIRECTION OF
GROUNDWATER FLOW



**FIGURE 5
GROUNDWATER GRADIENT MAP
JULY 2007**

LUI HOUSTON STUDEMONT, L.P.
FORMER BUMPER SERVICE OF HOUSTON
1200 GIVENS STREET
HOUSTON, TEXAS

DATE JUL 07	PROJECT NO. 13821.001.002.0020	SCALE 1 INCH = 60 FEET
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LEGEND

- X— FENCE
- — POTABLE WATER LINE
- — WASTEWATER LINE
- — STORM SEWER
- STORMWATER / FLOOR DRAIN
- ⊠ CONCRETE PAD
- ▨ AREA OF PATCHED CONCRETE
- MW-1+ MONITORING WELL LOCATION
- B-1● SOIL BORING LOCATION
- RR RESTROOM
- SB SAND BLAST SHED
- F FLAMMABLES STORAGE
- BH BAG HOUSE FILTER UNIT
- CS CYCLONE SEPARATOR UNIT
- SUMP / CATCH BASIN
- POLE-MOUNTED TRANSFORMER
- ↗ APPROXIMATE DIRECTION OF SURFACE DRAINAGE

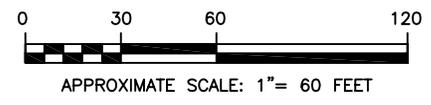


FIGURE 4
MONITOR WELL AND SOIL BORING
LOCATION MAP
 LUI HOUSTON STUDEMONT, L.P.
 FORMER BUMPER SERVICE OF HOUSTON
 1200 GIVENS STREET
 HOUSTON, TEXAS

DATE NOV 07	PROJECT NO. 13821.001.002.0010	APPROX SCALE 1 INCH = 60 FEET
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Appendix C

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

A map depicting the designated property and adjacent properties is presented in Appendix B, Figure 1 (Site Plan Map). The designated property is currently vacant and is not in use; two vacant warehouse buildings, concrete/asphalt drives, and parking areas were demolished in October 2007. The properties within 500 feet of the designated property are commercial/industrial and are described below.

- Arne's Distributing, located at 2830 Hicks adjacent to the subject property to the south in an upgradient direction.
- Domco Products and Azrock Industries, located at 1705 North Oliver Street approximately 50 feet northeast of the subject property in a crossgradient direction.
- Verde Development Group owns the property located at 1312 Studemont approximately 210 feet north of the subject property in a crossgradient direction. This property was demolished in September 2007, and the property is currently vacant. The anticipated future land use is residential.
- TSC Realty Holding, located at 1316 Studemont approximately 370 feet northwest of the subject property in a downgradient direction.
- Grocers Supply Company and Chevron, located at 3000 Hicks approximately 475 feet west of the subject property in a downgradient direction.

The future use of the property and surrounding property will most likely remain commercial/industrial and mixed residential. Future plans for the designated property will include sale and redevelopment with the potential for residential use.

Appendix D

(TCEQ MSD Reference No. 5)

For each contaminant of concern within the ingestion protective concentration level exceedence zone, to the extent known, provide the following:

- a. A description of the ingestion protective concentration level exceedence zone and the non-ingestion protective concentration level exceedence zone, including a specification of the horizontal area and the minimum and maximum depth below ground surface.*
- b. The level of contamination, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units.*
- c. Its basic geochemical properties (e.g., whether the contaminant of concern migrates with groundwater, floats or is soluble in water).*

Based on historical environmental investigations at the designated property, nine (9) COCs have been identified in the soil above the ingestion PCL and nine (9) COCs have been identified in the local groundwater above the ingestion PCL.

A description of each COC, the ingestion and non ingestion PCL exceedence zone, vertical and horizontal extent and geochemical properties is provided below.

Soil

Non-ingestion PCL exceedances have not been identified in the soil for benzene, ethylbenzene, methylene chloride, naphthalene, toluene, 1,2,4-trimethylbenzene, xylenes, 2-methylenaphthalene, and total petroleum hydrocarbons (TPHs).

Groundwater

Non-ingestion PCL exceedances have not been identified in the groundwater for benzene, 1,2-dichloroethane, cis1,2-dichloroethene, naphthalene, tetrachloroethene, toluene, trichloroethene, vinyl chloride, and MTBE.

Soil COCs expressed as mg/kg

COC: Benzene	
Observed Concentration in most recent analytical data.	0.709
Ingestion-Based PCL (Residential ^{GW} Soil):	0.026
Ingestion-Based PCLE Zone: (Approximate – 3 separate areas (0-15ft))	Length: varies (3 areas) Width: varies (3 areas) Total Area: 108 ft ² (3 areas)
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	320
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	78.11
Specific Gravity:	0.8787
Solubility in Water:	Low solubility
COC: Ethylbenzene	
Observed Concentration in most recent analytical data.	26.1
Ingestion-Based PCL (Residential ^{GW} Soil):	7.6
Ingestion-Based PCLE Zone: (Approximate – (0-15ft))	Length: 6 ft Width: 6 ft Total Area: 36 ft ²
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	5,300
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	106.16
Specific Gravity:	0.86
Solubility in Water:	Low solubility
COC: Methylene Chloride	
Observed Concentration in most recent analytical data.	0.123
Ingestion-Based PCL (Residential ^{GW} Soil):	0.013
Ingestion-Based PCLE Zone: (Approximate – 3 surface soil zones (0-15ft) and 1 subsurface PCLE zone >15 ft)	Length: varies (3 areas) Width: varies (3 areas) Total Area: 396 ft ² (3 areas)
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	390
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	84.93
Specific Gravity:	1.3266
Solubility in Water:	Partially soluble in cold water
COC: Naphthalene	
Observed Concentration in most recent analytical data.	1,250
Ingestion-Based PCL (Residential ^{GW} Soil):	31
Ingestion-Based PCLE Zone: (Approximate – 4 separate areas)	Length: varies (4 areas) Width: varies (4 areas) Total Area: 252 ft ² (4 areas)
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	220
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	128.19
Specific Gravity:	1.162

Solubility in Water:	Low solubility
COC: Toluene	
Observed Concentration in most recent analytical data.	1,630
Ingestion-Based PCL (Residential ^{GW} Soil):	8.2
Ingestion-Based PCLE Zone: (Approximate – 2 separate areas)	Length: varies (2 areas) Width: varies (2 areas) Total Area: 72 ft ² (2 areas)
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	6,000
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	32.14
Specific Gravity:	0.8636
Solubility in Water:	Low solubility
COC: 1,2,4-Trimethylbenzene	
Observed Concentration in most recent analytical data.	72.2
Ingestion-Based PCL (Residential ^{GW} Soil):	49
Ingestion-Based PCLE Zone: (Approximate)	Length: 6 ft Width: 6 ft Total Area: 36 ft ²
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	130
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	120.19
Specific Gravity:	0.876
Solubility in Water:	Low solubility
COC: Xylenes	
Observed Concentration in most recent analytical data.	146
Ingestion-Based PCL (Residential ^{GW} Soil):	120
Ingestion-Based PCLE Zone: (Approximate)	Length: 6 ft Width: 6 ft Total Area: 36 ft ²
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	1,400
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	106.17
Specific Gravity:	0.864
Solubility in Water:	Insoluble
COC: 2-Methylnaphthalene	
Observed Concentration in most recent analytical data.	30.4
Ingestion-Based PCL (Residential ^{GW} Soil):	17
Ingestion-Based PCLE Zone: (Approximate)	Length: 6 ft Width: 6 ft Total Area: 36 ft ²
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	250
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	142.20
Specific Gravity:	1.02
Solubility in Water:	Insoluble

COC: Total petroleum Hydrocarbons (TPH)	
Observed Concentration in most recent analytical data.	421
Ingestion-Based PCL (Residential ^{GW} Soil):	200
Ingestion-Based PCLE Zone: (Approximate)	Length: 6 ft Width: 6 ft Total Area: 36 ft ²
Non-Ingestion - Based PCL (^{Tot} Soil _{Comb})	2,300
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	Various
Specific Gravity:	Various
Solubility in Water:	Highly Variable

Groundwater COCs expressed as mg/L.

COC: Benzene	
Observed Concentration in most recent analytical data.	0.05
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	0.005
Ingestion-Based PCLE Zone: (Approximate)	Length: 210 ft Width: 90 ft Total Area: 0.43 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh-v})	51
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	106.16
Specific Gravity:	0.86
Solubility in Water:	Low solubility
Groundwater Migration:	Variable
COC: 1,2-Dichloroethane	
Observed Concentration in most recent analytical data.	0.0073
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	0.005
Ingestion-Based PCLE Zone: (Approximate)	Length: 18 ft Width: 30 ft Total Area: 0.01 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh-v})	33
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	98.96
Specific Gravity:	1.2351
Solubility in Water:	Low solubility
Groundwater Migration:	Variable

COC: cis-1,2-Dichloroethene	
Observed Concentration in most recent analytical data.	0.12
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	0.07
Ingestion-Based PCLE Zone: (Approximate)	Length: 24 ft Width: 30 ft Total Area: 0.02 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh-v})	16,000
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	98.96
Density/Specific Gravity:	1.2351
Solubility in Water:	Low solubility
Groundwater Migration:	Variable
COC: Naphthalene	
Observed Concentration in most recent analytical data.	2.6
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	0.49
Ingestion-Based PCLE Zone: (Approximate)	Length: 150 ft Width: 90 ft Total Area: 0.31 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh-v})	320
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	128.19
Specific Gravity:	1.162
Solubility in Water:	Low solubility
Groundwater Migration:	Variable
COC: Tetrachloroethene	
Observed Concentration in most recent analytical data.	0.041
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	0.005
Ingestion-Based PCLE Zone: (Approximate)	Length: 108 ft Width: 60 ft Total Area: 0.15 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh-v})	330
Non-Ingestion - Based PCLE Zone	None

Geochemical/Physical Properties	
Molecular Weight:	165.83
Specific Gravity:	1.62
Solubility in Water:	Low solubility
Groundwater Migration:	Variable
COC: Toluene	
Observed Concentration in most recent analytical data.	1.90
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	1.0
Ingestion-Based PCLE Zone: (Approximate)	Length: 36 ft Width: 30 ft Total Area: 0.02 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh.v})	78,000
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	32.14
Specific Gravity:	0.8636
Solubility in Water:	Low solubility
Groundwater Migration:	Limited (adheres to soil)
COC: Trichloroethene	
Observed Concentration in most recent analytical data.	0.150
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	0.005
Ingestion-Based PCLE Zone: (Approximate)	Length: 180 ft Width: 102 ft Total Area: 0.42 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh.v})	160
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	131.39
Specific Gravity:	1.4649
Solubility in Water:	Low solubility
Groundwater Migration:	Variable
COC: Vinyl Chloride	
Observed Concentration in most recent analytical data.	0.00240
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	0.002
Ingestion-Based PCLE Zone: (Approximate)	Length: 30 ft Width: 18 ft Total Area: 0.01 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh.v})	3.6
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	62.50
Specific Gravity:	0.9106
Solubility in Water:	Low solubility
Groundwater Migration:	Variable

COC: MTBE	
Observed Concentration in most recent analytical data.	2.7
Ingestion-Based PCL (Residential ^{GW} GW _{ing}):	0.24
Ingestion-Based PCLE Zone: (Approximate)	Length: 246 ft Width: 120 ft Total Area: 0.68 acres
Non-Ingestion - Based PCL (^{Air} GW _{Inh-v})	4,000
Non-Ingestion - Based PCLE Zone	None
Geochemical/Physical Properties	
Molecular Weight:	88.15
Specific Gravity:	0.7405
Solubility in Water:	Partially soluble
Groundwater Migration:	Variable

Appendix E

(TCEQ MSD Reference No. 5)

For each contaminant of concern within the designated groundwater, to the extent known:

- a. A description of the ingestion protective concentration level exceedence zone and the non-ingestion protective concentration level exceedence zone, including a specification of the horizontal area and the minimum and maximum depth below ground surface.*
- b. The level of contamination, the ingestion protective concentration level, and the non-ingestion protective concentration level, all expressed as mg/L units.*
- c. Its basic geochemical properties (e.g., whether the contaminant of concern migrates with groundwater, floats or is soluble in water).*

A description of each COC in the groundwater defined by a PCLE zone at the designated site, along with its basic geochemical properties is presented in Appendix D. A tabular listing of the maximum concentration for each groundwater COC is provided in Appendix F.

Appendix F

(TCEQ MSD Reference No. 5)

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

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

Impact to on-site soils will be remediated at the designated property. Proper excavation and disposal in accordance with the proposed TCEQ guidance is scheduled to begin in the 4th quarter 2007. Therefore, once the removal action has been completed and approved by the TCEQ, the soil exposure pathways will be eliminated at the designated property. The maximum concentration of each COC in the soil at the designated property exceeding the critical protective concentration without a MSD is presented in Table 1. The ingestion-based PCL exceedances are highlighted in yellow.

Based on the proposed TCEQ response actions, institutional controls such as this MSD will be used to gain closure for the groundwater at the designated property, thus eliminating the groundwater ingestion pathway. Table 2 presents the maximum concentration of each COC in the groundwater at the designated property. The ingestion-based PCL exceedances are highlighted in yellow.

APPENDIX F

TABLE 1: MAXIMUM CONCENTRATION TABLE
FOR SURFACE SOIL
Former Bumper Service
1200 Givens Street
Houston, Texas 77007

Chemical of Concern	^{GW} Soil _{Ing} (w/o MSD)	^{Tot} Soil _{Comb} (w/ MSD)	Maximum Concentration			
			Sample ID	Sample depth	Sample date	Conc.
	(mg/kg)	(mg/kg)				(mg/kg)
VOCs BY EPA Method 8260						
Benzene	0.026	320	B-4	2 – 4'	5/18/2004	0.709
Ethylbenzene	7.6	5,300	B-4	2 – 4'	5/18/2004	26.1
Methylene chloride	0.013	390	MW-4	5 – 6'	7/20/2004	0.123
Naphthalene	31	220	MW-7	3 – 4'	5/19/2005	1,250
Toluene	8.2	6,000	MW-5	4 – 5'	5/18/2005	1,630
1,2,4-Trimethylbenzene	49	130	B-4	2 – 4'	5/18/2004	72.2
Xylenes (total)	120	1,400	B-4	2 – 4'	5/18/2004	146
PAHs BY EPA Method 8270C						
2-Methylnaphthalene	17	250	B-4	2 – 4'	5/18/2004	30.4
TOTAL PETROLEUM HYDROCARBONS BY Method TX1005						
C12 to C28	200	2,300	MW-4	5 – 6'	7/20/2004	421

Notes:

1. Highlighted concentration levels exceed the TRRP Tier 1 Residential ^{GW}Soil_{Ing} Protective Concentration Level (i.e. without an MSD).

APPENDIX F

TABLE 2: MAXIMUM CONCENTRATION FOR GROUNDWATER

Former Bumper Service
1200 Givens Street
Houston, Texas 77007

Chemical of Concern	GW ^{GW} GW _{Ing} (w/o MSD)	Air ^{GW} GW _{Inh-v} (w/ MSD)	Maximum concentration ²		
			Sample ID	Sample date	Conc
	(mg/L)	(mg/L)			
VOCs BY EPA METHOD 8260					
Benzene	0.005	51	GW-4	5/18/2004	0.05
1,2-Dichloroethane	0.005	33	MW-12	2/8/2005	0.0073
cis-1,2-Dichloroethene	0.07	16,000	MW-3	7/6/2006	0.12
Naphthalene	0.49	320	GW-4	5/18/2004	2.6
Tetrachloroethene	0.005	330	MW-12	4/22/2005	0.041
Toluene	1	78,000	GW-4	5/18/2004	1.9
Trichloroethene	0.005	160	MW-12	4/22/2005	0.15
Vinyl chloride	0.002	3.6	MW-11	7/6/2006	0.0024
Methyl tert-butyl ether	0.244	4,000	MW-2	5/26/2005	2.7

Notes:

1. Highlighted concentration levels exceed the TRRP Tier 1 Residential^{GW}GW_{Ing} Protective Concentration Level (i.e. without an MSD).
2. Maximum concentration from the July 2007 sampling event.

Appendix G

A statement as to whether the plume of contamination is stable, expanding, or contracting, with the basis for that statement. If this information is not known, a statement of why the information is not known should be attached.

Soil COCs

The surface soil PCLE zones identified on the subject property appear to be limited in depth and extent. There are no known sources of COCs remaining at the subject property. Soil remediation is planned in December 2007 and no further soil exceedances will remain on-site, therefore the soil PCLE zones will be removed.

Groundwater COCs

Based on historical groundwater monitoring at the site all COCs are stable or contracting.

Concentrations of 1,2-dichloroethane, cis-1,2-dichloroethene, and tetrachloroethene appear to be stable. Further, vinyl chloride at the site only slightly exceeded the TCEQ Tier 1 Residential $^{GW}GW_{Ing}$ and appears to be limited in extent. Based on the measured groundwater gradient and the distribution of benzene, naphthalene, toluene, and MTBE concentrations the source of these COCs in the groundwater is believed to be an LPST from a source off-site from the 1200 Givens property.

Since all potential on-site sources are no longer present, and soil excavation and disposal will be completed by 2008, no continued on-site sources of groundwater contamination will remain on-site, and therefore the groundwater plumes are considered stable or contracting.