

## **Maps, Figures and Photos (Attachment B)**

**B.1.a** Location Map

**B.1.b** Detailed Site Map

**B.1.c** RR Sites Map

**B.2.a** Soil Contamination

**B.2.b** Residual Soil Contamination

**B.3.a** Geological Cross Section

**B.3.b** Groundwater Isoconcentration

**B.3.c** Groundwater Flow Direction

**B.3.d** Monitoring Wells

**B.4.a** Vapor Intrusion Map

**B.4.b** Other media of concern (*not attached, no other media identified*)

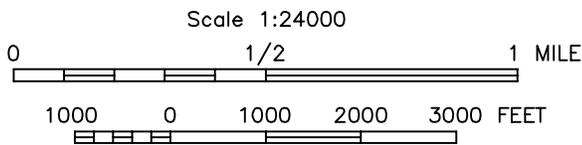
**B.4.c** Utility Drawing

**B.5** Structural Impediment Photo

# B.1.a



QUADRANGLE LOCATION



(SOURCE OF MAP IS USGS 7.5 MINUTE QUADRANGLE MAP, RACINE NORTH (2016), WISCONSIN)



CHECK BY	JB
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DATE	06-27-17
SCALE	AS SHOWN
CAD NO.	PECO.2017.67-B
PRJ NO.	PECO_2017-67

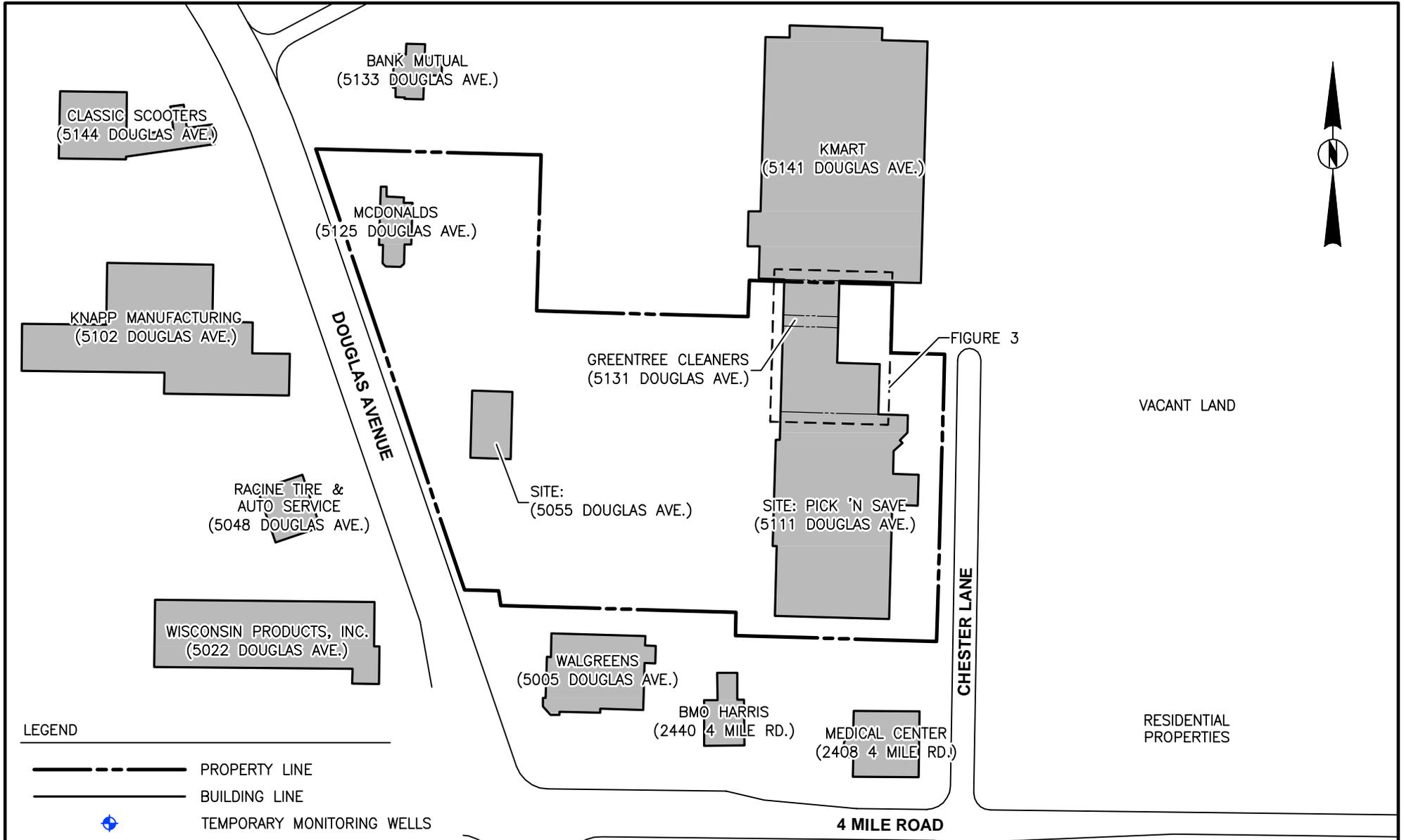
SITE LOCATION MAP  
 GREENTREE CENTRE  
 5131 DOUGLAS AVENUE, UNIT D  
 RACINE, WISCONSIN



FIGURE

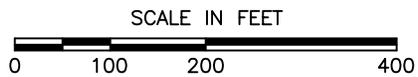
1

B.1.b



LEGEND

- PROPERTY LINE
- BUILDING LINE
- TEMPORARY MONITORING WELLS



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DATE	06-27-17
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PRJ NO.	PECO_2017-67

SITE PLAN  
 GREENTREE CENTRE  
 5131 DOUGLAS AVENUE, UNIT D  
 RACINE, WISCONSIN

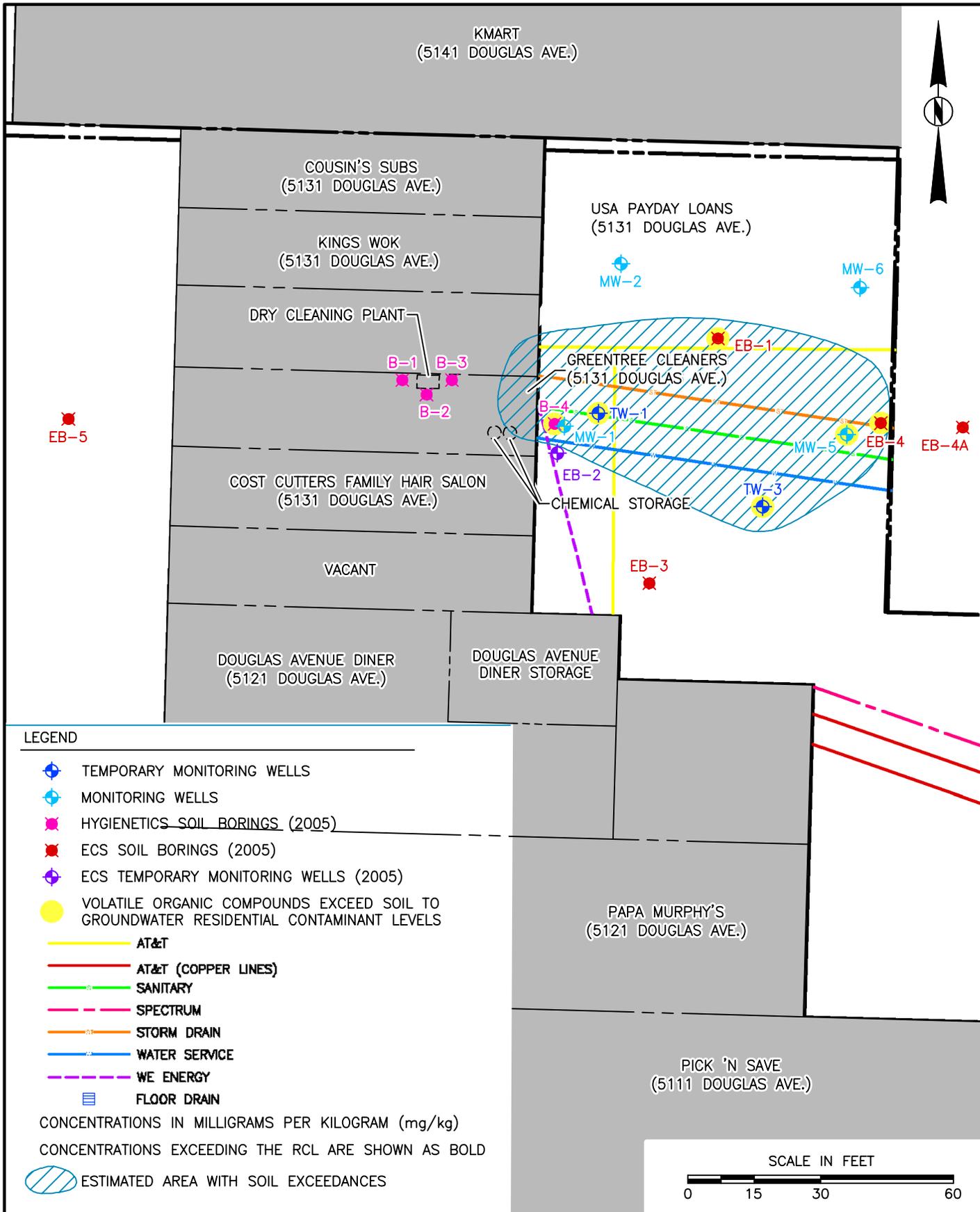


FIGURE

2



B.2.a



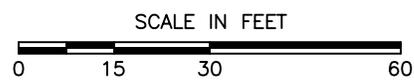
LEGEND

- TEMPORARY MONITORING WELLS
- MONITORING WELLS
- HYGIENICS SOIL BORINGS (2005)
- ECS SOIL BORINGS (2005)
- ECS TEMPORARY MONITORING WELLS (2005)
- VOLATILE ORGANIC COMPOUNDS EXCEED SOIL TO GROUNDWATER RESIDENTIAL CONTAMINANT LEVELS

- AT&T
- AT&T (COPPER LINES)
- SANITARY
- SPECTRUM
- STORM DRAIN
- WATER SERVICE
- WE ENERGY
- FLOOR DRAIN

CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)  
 CONCENTRATIONS EXCEEDING THE RCL ARE SHOWN AS BOLD

ESTIMATED AREA WITH SOIL EXCEEDANCES



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SCALE	AS SHOWN
CAD NO.	PECO.2017.100e
PRJ NO.	PECO_2017-100

SITE DETAILS SHOWING SOIL SAMPLE LOCATIONS  
 AND WHERE VOC'S EXCEED RCL'S

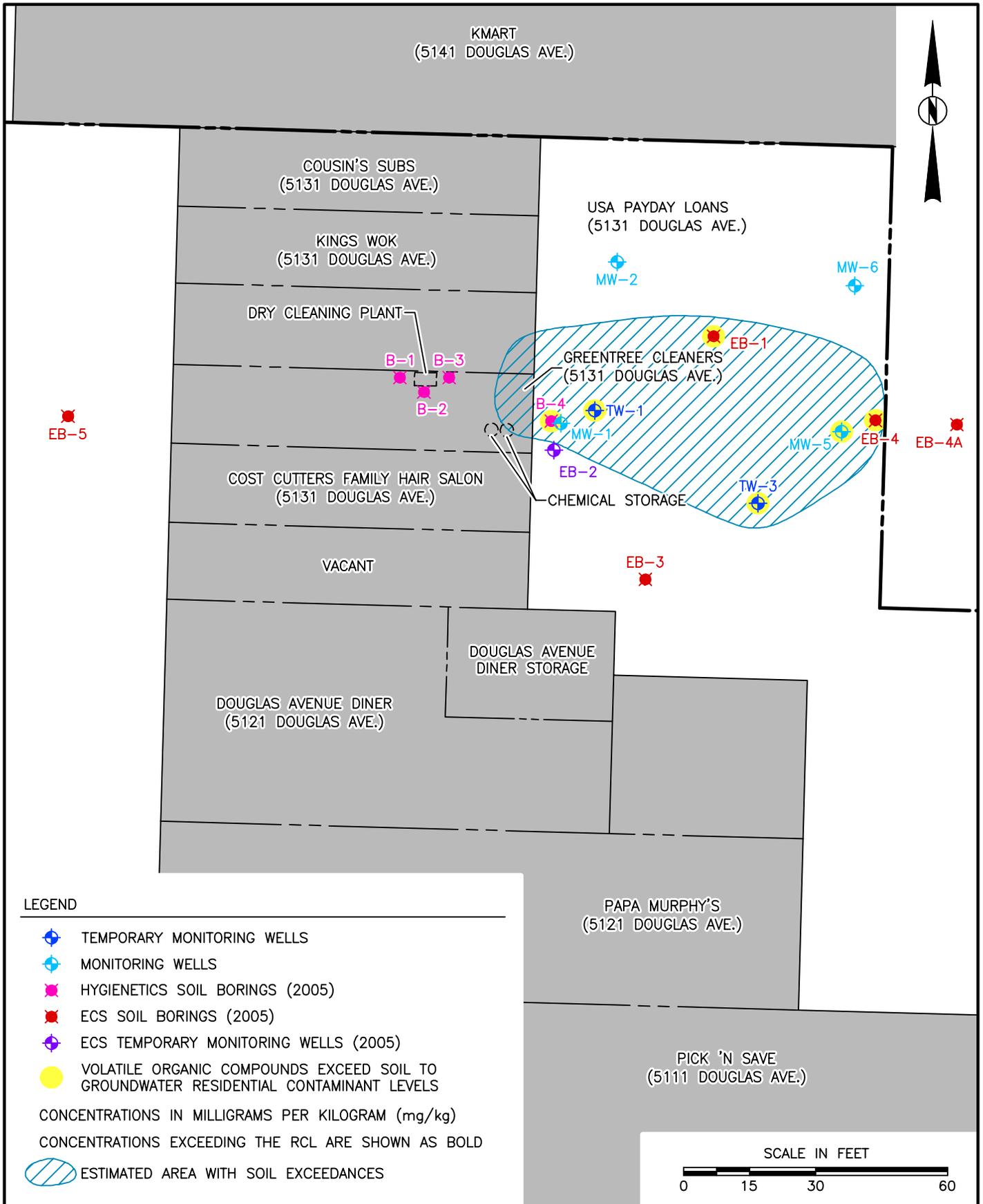
GREENTREE CENTRE  
 5131 DOUGLAS AVENUE, UNIT D  
 RACINE, WISCONSIN



FIGURE

6

B.2.b



LEGEND

- TEMPORARY MONITORING WELLS
  - MONITORING WELLS
  - HYGIENETICS SOIL BORINGS (2005)
  - ECS SOIL BORINGS (2005)
  - ECS TEMPORARY MONITORING WELLS (2005)
  - VOLATILE ORGANIC COMPOUNDS EXCEED SOIL TO GROUNDWATER RESIDENTIAL CONTAMINANT LEVELS
- CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)  
 CONCENTRATIONS EXCEEDING THE RCL ARE SHOWN AS BOLD
- ESTIMATED AREA WITH SOIL EXCEEDANCES



CHECK BY	SN
DRAWN BY	OS
DATE	11-5-19
SCALE	AS SHOWN
CAD NO.	PECO.2017.100e
PRJ NO.	PECO_2017-100

SITE DETAILS SHOWING SOIL SAMPLE LOCATIONS  
 AND WHERE VOC'S EXCEED RCL'S

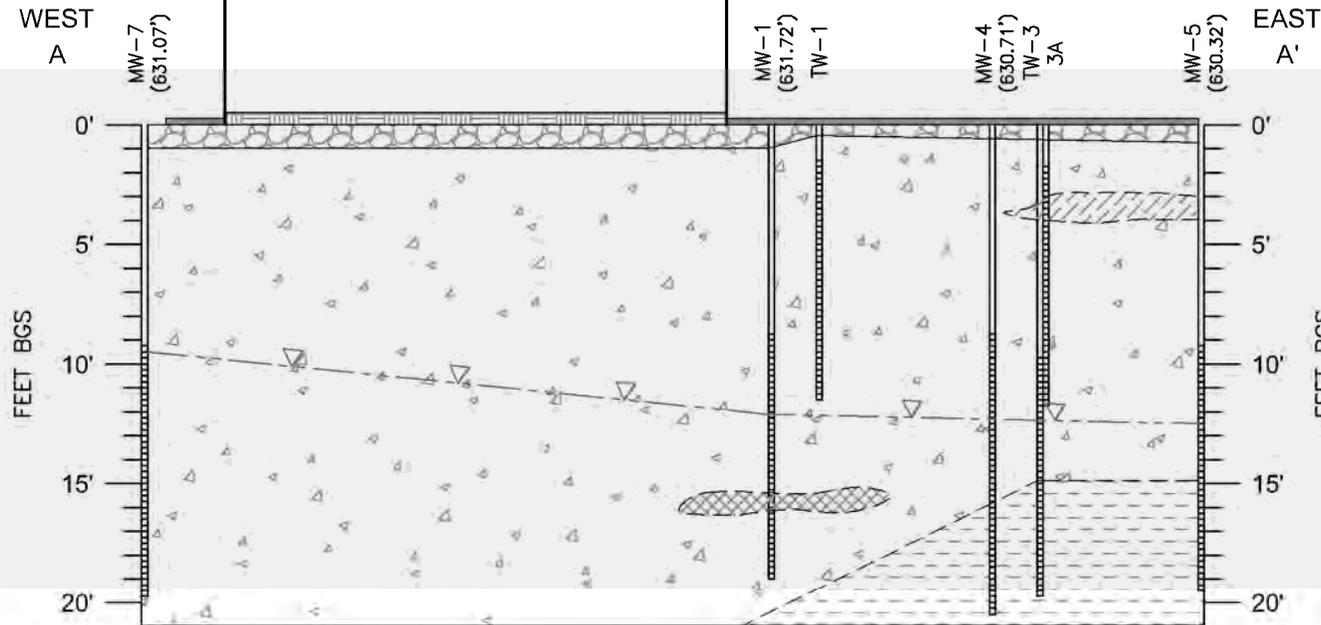
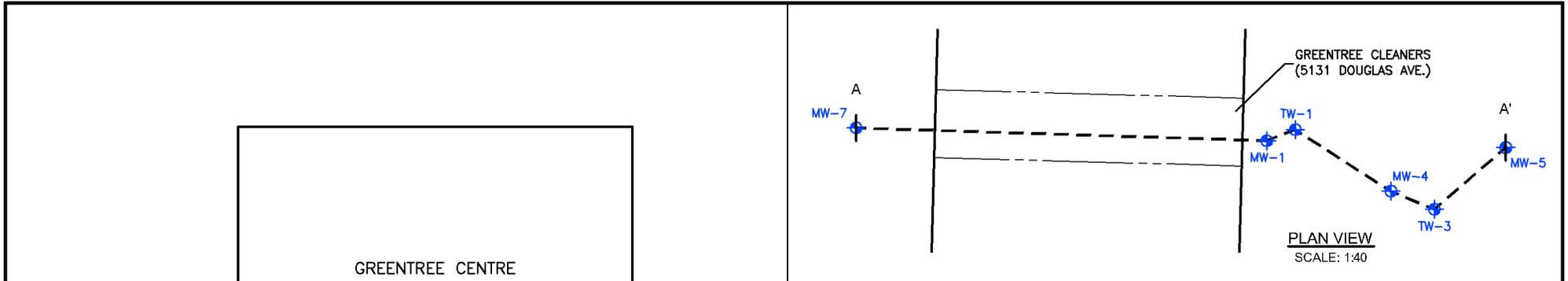
GREENTREE CENTRE  
 5131 DOUGLAS AVENUE, UNIT D  
 RACINE, WISCONSIN



FIGURE

6

B.3.a



CROSS SECTION VIEW (A-A')

LEGEND

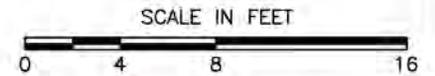
- |  |               |  |               |
|--|---------------|--|---------------|
|  | ASPHALT       |  | GRAVELLY SAND |
|  | CLAYEY SILT   |  | SILTY CLAY    |
|  | CONCRETE      |  | SILTY SAND    |
|  | CRUSHED STONE |  |               |

GROUNDWATER ELEVATION MEASURED ON SEPTEMBER 15, 2017

CHK BY	JB
DWN BY	EM
DATE	10-14-17
SCALE	AS SHOWN
CAD NO.	PECO_2017-67
PRJ NO.	PECO.2017.67-F

CROSS SECTION A-A'

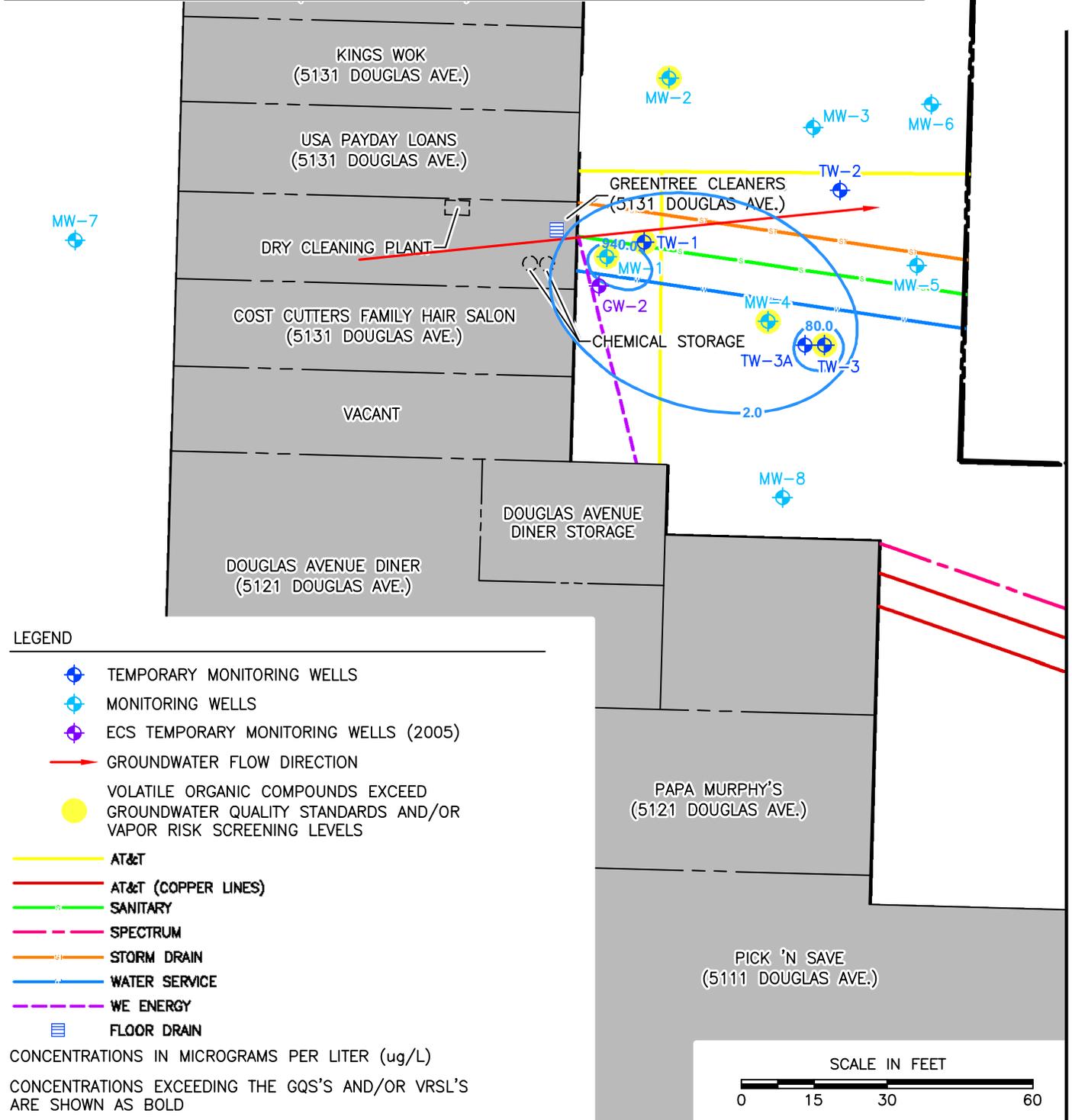
GREENTREE CENTRE  
5131 DOUGLAS AVENUE, UNIT D  
RACINE, WISCONSIN



FIGURE

4

Compound	TW-1	TW-3	MW-1	MW-2	MW-4	Groundwater Quality Standards		Vapor Risk Screening Levels
						Enforcement Standards	Preventative Action Limit	
cis-1,2-Dichloroethene	4.4	<b>25.5</b>	<2.6	<0.26	2.3	70	7	NE
Tetrachloroethene	<0.50	<b>82.9</b>	<b>945</b>	<0.50	<b>3.2</b>	5	0.5	240
Trichloroethene	<0.33	<b>15.4</b>	<b>6.5</b>	<0.33	<b>1.3</b>	5	0.5	22
Vinyl chloride	<b>8.4</b>	<b>7.9</b>	<b>10.7</b>	<b>0.83</b>	<b>0.21</b>	0.2	0.02	25



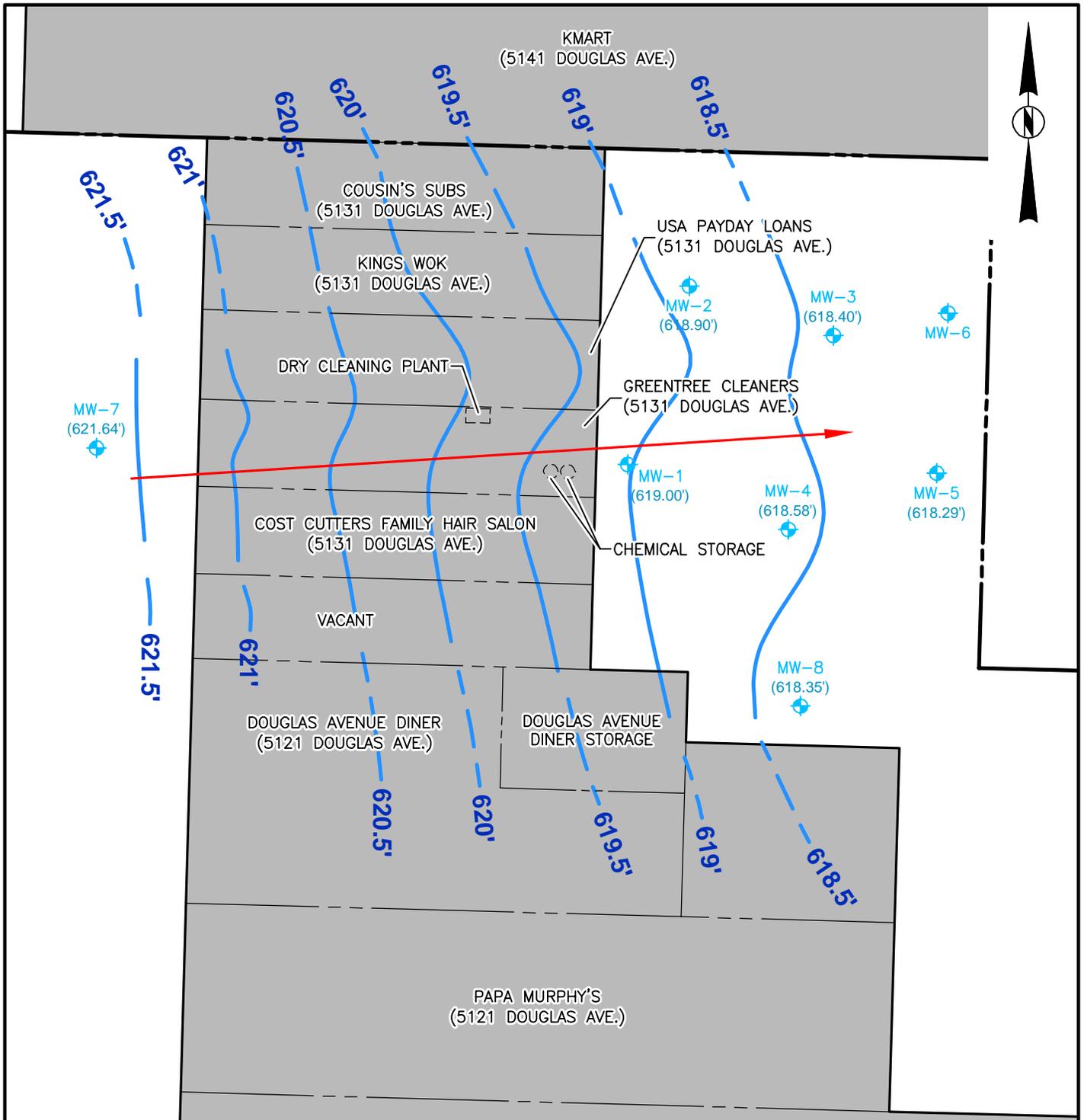
CHECK BY SN	
DRAWN BY EM/OS	
DATE	11-5-19
SCALE	AS SHOWN
CAD NO.	PECO.2017.67-[2]
PRJ NO.	PECO_2017-67

SITE DETAILS SHOWING GROUNDWATER SAMPLE LOCATIONS AND WHERE VOC'S EXCEED GQS'S AND/OR VRSL'S

GREENTREE CENTRE  
 5131 DOUGLAS AVENUE, UNIT D  
 RACINE, WISCONSIN



FIGURE  
 6A



LEGEND

-  MONITORING WELLS
-  **621'** GROUNDWATER ELEVATION CONTOUR
-  (621.86') GROUNDWATER ELEVATION AMSL
-   GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL=0.5'

PICK 'N SAVE  
(5111 DOUGLAS AVE.)



CHECK BY	JB
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DATE	10-06-17
SCALE	AS SHOWN
CAD NO.	PECO.2017.67-D
PRJ NO.	PECO_2017-67

SITE DETAILS SHOWING GROUNDWATER CONTOUR LEVELS  
MEASURED ON SEPTEMBER 15, 2017

GREENTREE CENTRE  
5131 DOUGLAS AVENUE, UNIT D  
RACINE, WISCONSIN

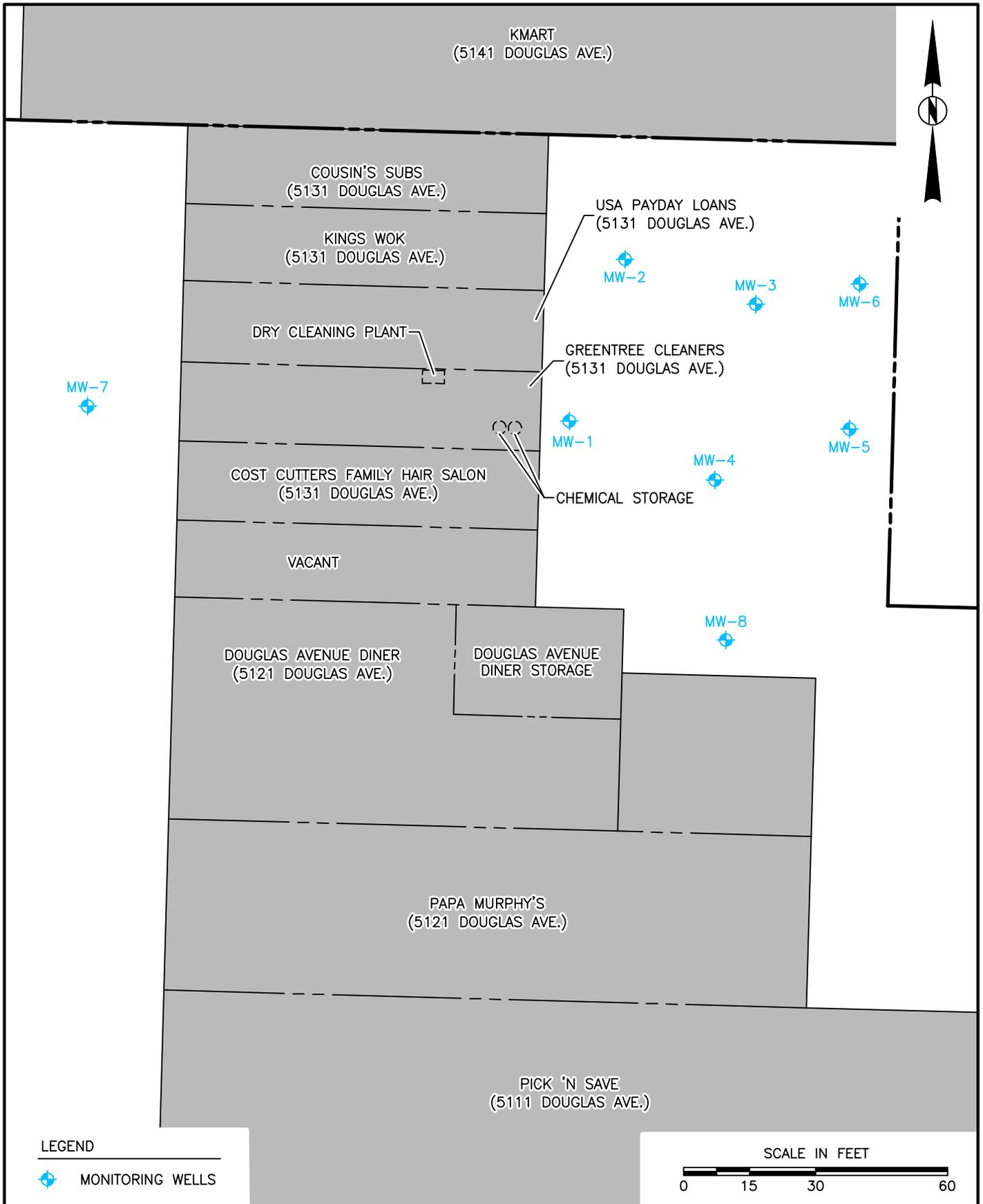


FIGURE

5

**B.3.d**

**All monitoring wells installed for the investigation (MW-1 through MW-8) will be properly abandoned.**



LEGEND

 MONITORING WELLS



CHECK BY	SN
DRAWN BY	EM/OS
DATE	10-06-17
SCALE	AS SHOWN
CAD NO.	PECO.2017.67-G
PRJ NO.	PECO_2017-67

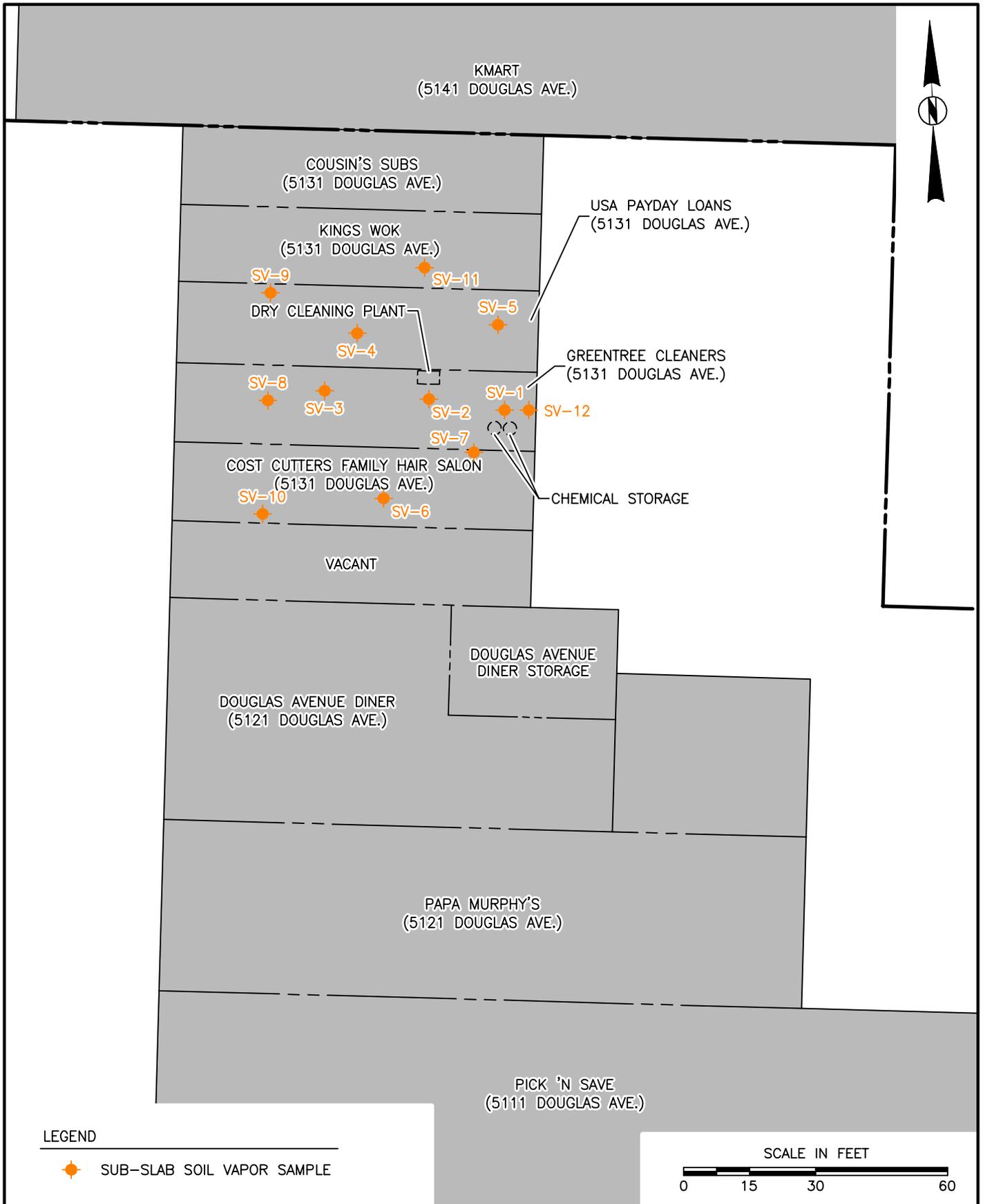
GROUNDWATER MONITORING WELL LOCATIONS  
 GREENTREE CENTRE  
 5131 DOUGLAS AVENUE, UNIT D  
 RACINE, WISCONSIN



FIGURE

4

B.4.a



CHECK BY	JB
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DATE	08-24-17
SCALE	AS SHOWN
CAD NO.	PECO.2017.67-C
PRJ NO.	PECO_2017-67

SITE DETAILS SHOWING SOIL VAPOR SAMPLE LOCATIONS

GREENTREE CENTRE  
 5131 DOUGLAS AVENUE, UNIT D  
 RACINE, WISCONSIN

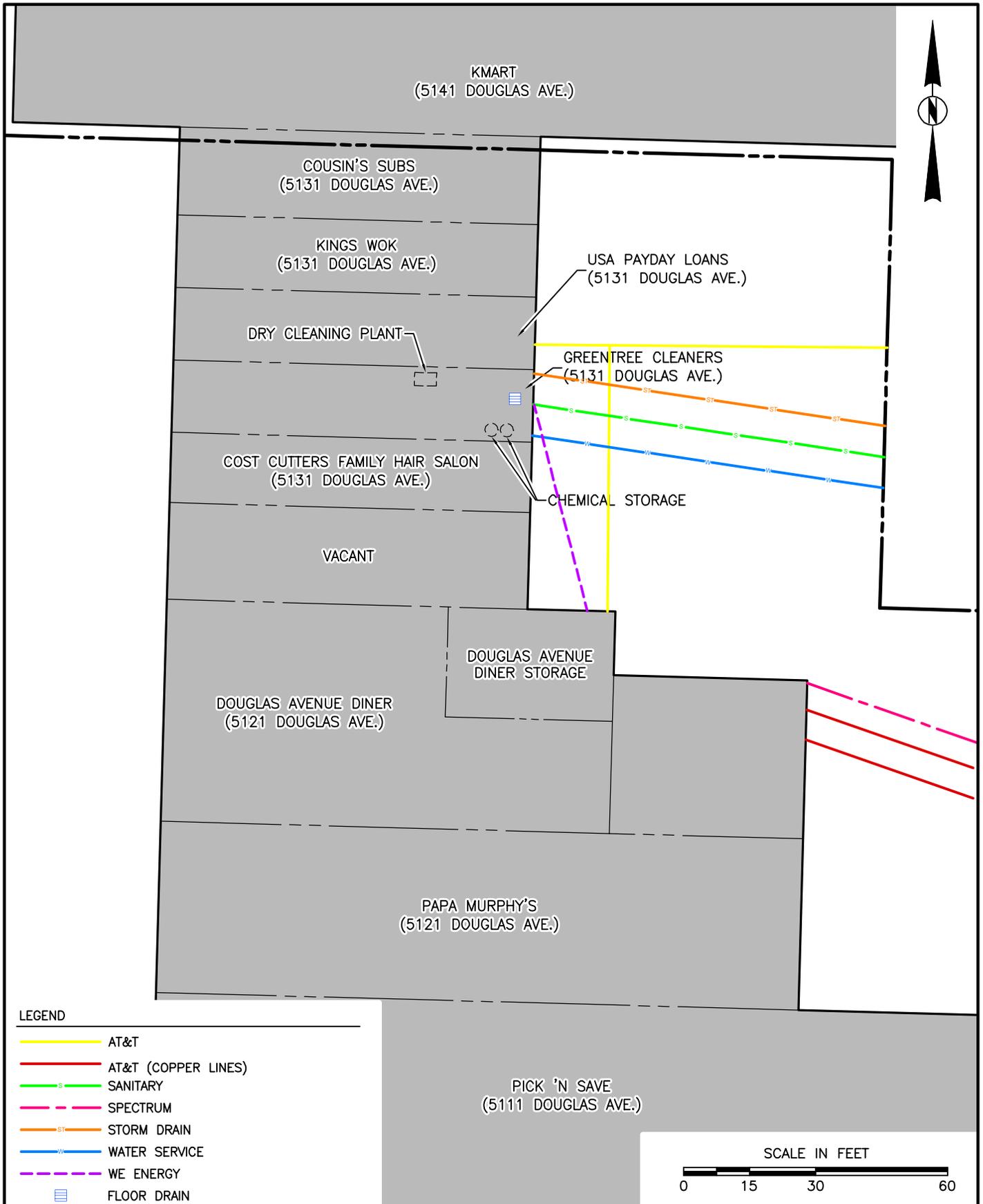


FIGURE

3B

**B.4.b**

**No sediment, surface water or other media was identified in the vicinity of the Site**

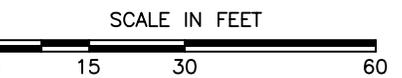


LEGEND

- AT&T
- AT&T (COPPER LINES)
- SANITARY
- - - SPECTRUM
- STORM DRAIN
- WATER SERVICE
- - - WE ENERGY
- FLOOR DRAIN

CHECK BY	JB
DRAWN BY	EM
DATE	06-27-17
SCALE	AS SHOWN
CAD NO.	PEC0.2017.100.05a
PRJ NO.	PEC0-2017-100

UTILITY LOCATIONS  
 GREENTREE CENTRE  
 5111-5141 DOUGLAS AVENUE  
 RACINE, WISCONSIN



FIGURE

7

## B.5.a



### **Structural Impediment**

**The existence of the building over the source area limited the potential types of remediation.**