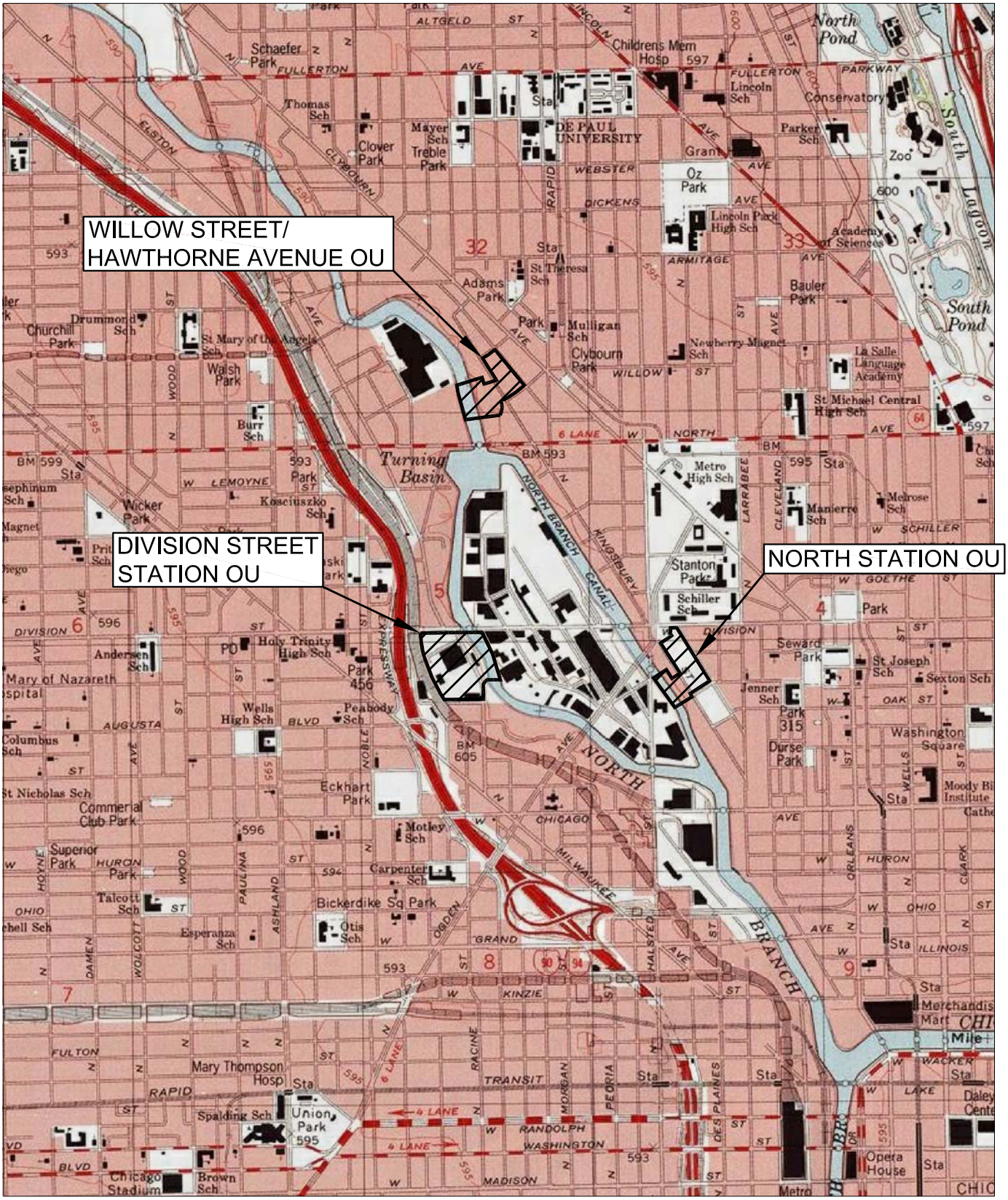


NORTH

0 2000' 4000'

APPROXIMATE SCALE IN FEET

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Figure 1
SITE/OU LOCATION MAP
NORTH BRANCH SITE
WILLOW STREET/HAWTHORNE AVE OU SSWP
CHICAGO, ILLINOIS

I:\Peoples Gas\Willow General Iron – Hawthorn SAS – 51893\CAD\WORK PLAN\SITE LOCATION

**LEGEND**

APPROXIMATE BOUNDARY OF OPERABLE UNIT

LAND PORTION OF THE OPERABLE UNIT

NORTH

NOT TO SCALE

Burns & McDonnell
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| | |
|---|---|
| date APRIL 23, 2009 | detailed D. CHAVEZ |
| designed B. VOSS | checked M. KELLEY |

**THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS**

Figure 2
ENLARGED SITE/OU LOCATION MAP
NORTH BRANCH SITE
WILLOW STREET/HAWTHORNE AVE OU SSWP
CHICAGO, ILLINOIS

| | |
|---|---|
| project 51893 | contract |
| drawing | rev. – |
| sheet of | sheets |

file E:\PEOPLES GAS\WILLOW GENERAL IRON + HAWTHORN SAS + 51893\CAD\WORK PLANS\ENLARGED SITE LOCATION

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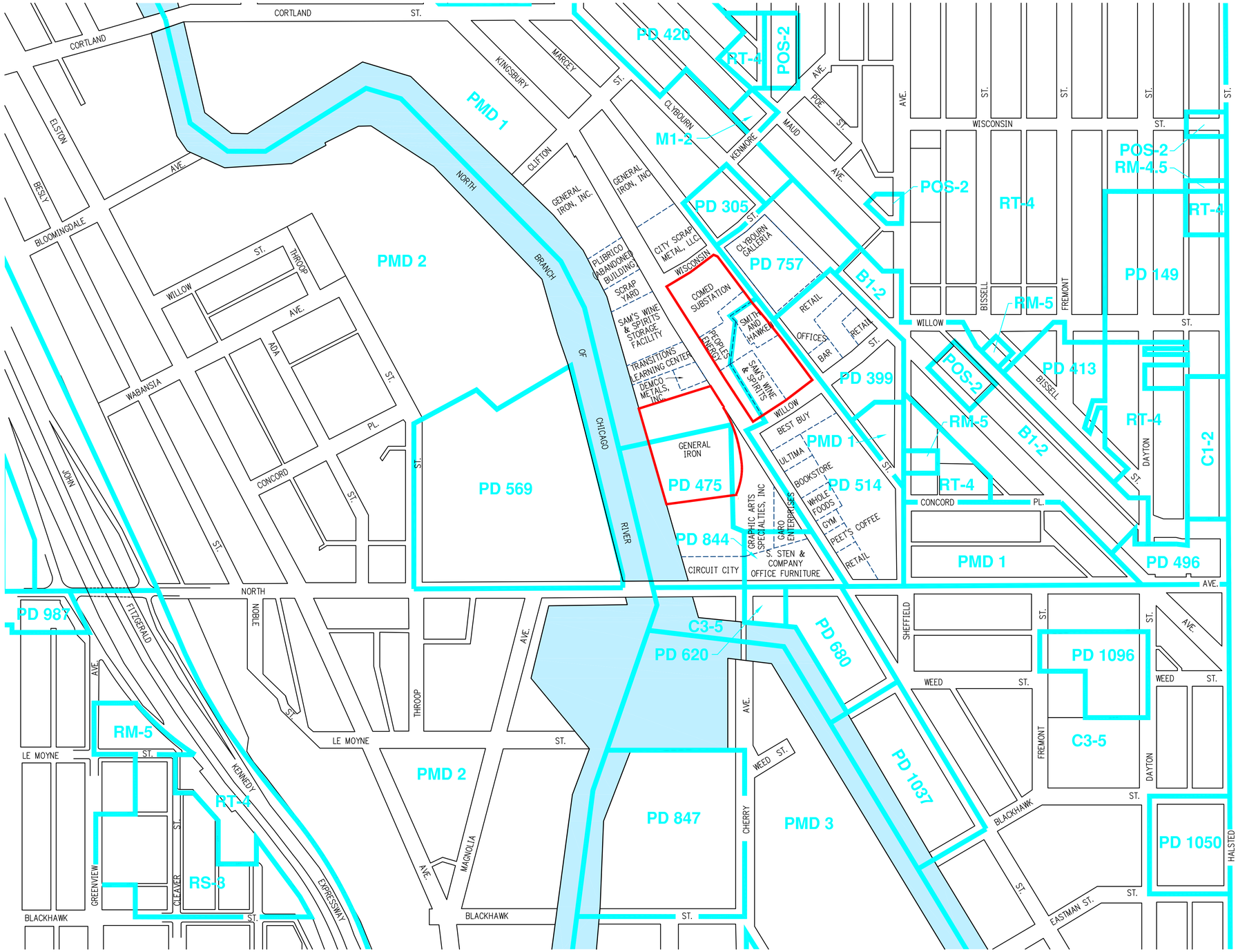


## LEGEND

| | |
|---|---|
| M1-1, R3 | ZONING CODES |
| | ZONING BORDERS |
| | APPROXIMATE BOUNDARY OF FORMER MGP |
| | APPROXIMATE LOCATION OF ADJACENT PROPERTIES |

## ZONING DISTRICTS

| | |
|---|---|
| B1-2 | NEIGHBORHOOD SHOPPING DISTRICT |
| B4-2 | COMMUNITY SHOPPING DISTRICT |
| C1-2 | NEIGHBORHOOD COMMERCIAL DISTRICT |
| C3-5 | COMMERCIAL, MANUFACTURING AND EMPLOYMENT DISTRICT |
| M1-2 | LIMITED MANUFACTURING/BUSINESS PARK DISTRICT |
| PD 149 | PLANNED DEVELOPMENT |
| PD 305 | PLANNED DEVELOPMENT |
| PD 399 | PLANNED DEVELOPMENT |
| PD 413 | PLANNED DEVELOPMENT |
| PD 420 | PLANNED DEVELOPMENT |
| PD 496 | PLANNED DEVELOPMENT |
| PD 569 | PLANNED DEVELOPMENT |
| PD 620 | PLANNED DEVELOPMENT |
| PD 680 | PLANNED DEVELOPMENT |
| PD 475 | PLANNED DEVELOPMENT |
| PD 514 | PLANNED DEVELOPMENT |
| PD 757 | PLANNED DEVELOPMENT |
| PD 844 | PLANNED DEVELOPMENT |
| PD 847 | PLANNED DEVELOPMENT |
| PD 987 | PLANNED DEVELOPMENT |
| PD 1037 | PLANNED DEVELOPMENT |
| PD 1050 | PLANNED DEVELOPMENT |
| PD 1096 | PLANNED DEVELOPMENT |
| PMD 1 | PLANNED MANUFACTURING DISTRICTS |
| PMD 2 | PLANNED MANUFACTURING DISTRICTS |
| PMD 3 | PLANNED MANUFACTURING DISTRICTS |
| POS-2 | NEIGHBORHOOD PARK, MINI-PARK OR PLAYLOT |
| RM-4.5 | RESIDENTIAL MULTI-UNIT DISTRICT |
| RM-5 | RESIDENTIAL SINGLE-UNIT (DETACHED HOUSE) DISTRICTS |
| RS-3 | RESIDENTIAL TWO-FLAT, TOWNHOUSE AND MULTI-UNIT DISTRICTS |
| RT-4 | RESIDENTIAL TWO-FLAT, TOWNHOUSE AND MULTI-UNIT DISTRICTS |

SOURCE:
ZONING MAP OVERLAY SOURCE: CITY OF CHICAGO.
<http://maps.cityofchicago.org/website/zoning/index.html>
ZONING DATA REFLECTS ALL ORDINANCES PASSED PRIOR TO JANUARY 13, 2009.

NORTH
0 200' 400'
SCALE IN FEET

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SINCE 1898

| | |
|---|---|
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| designed B. VOSS | checked M. KELLEY |

THE PEOPLES GAS LIGHT AND COKE COMPANY
CHICAGO, ILLINOIS

FIGURE 3
WILLOW STREET/HAWTHORNE AVE OU
SURROUNDING AREA MAP
WILLOW STREET/HAWTHORNE AVE OU SSWP
CHICAGO, ILLINOIS

| | |
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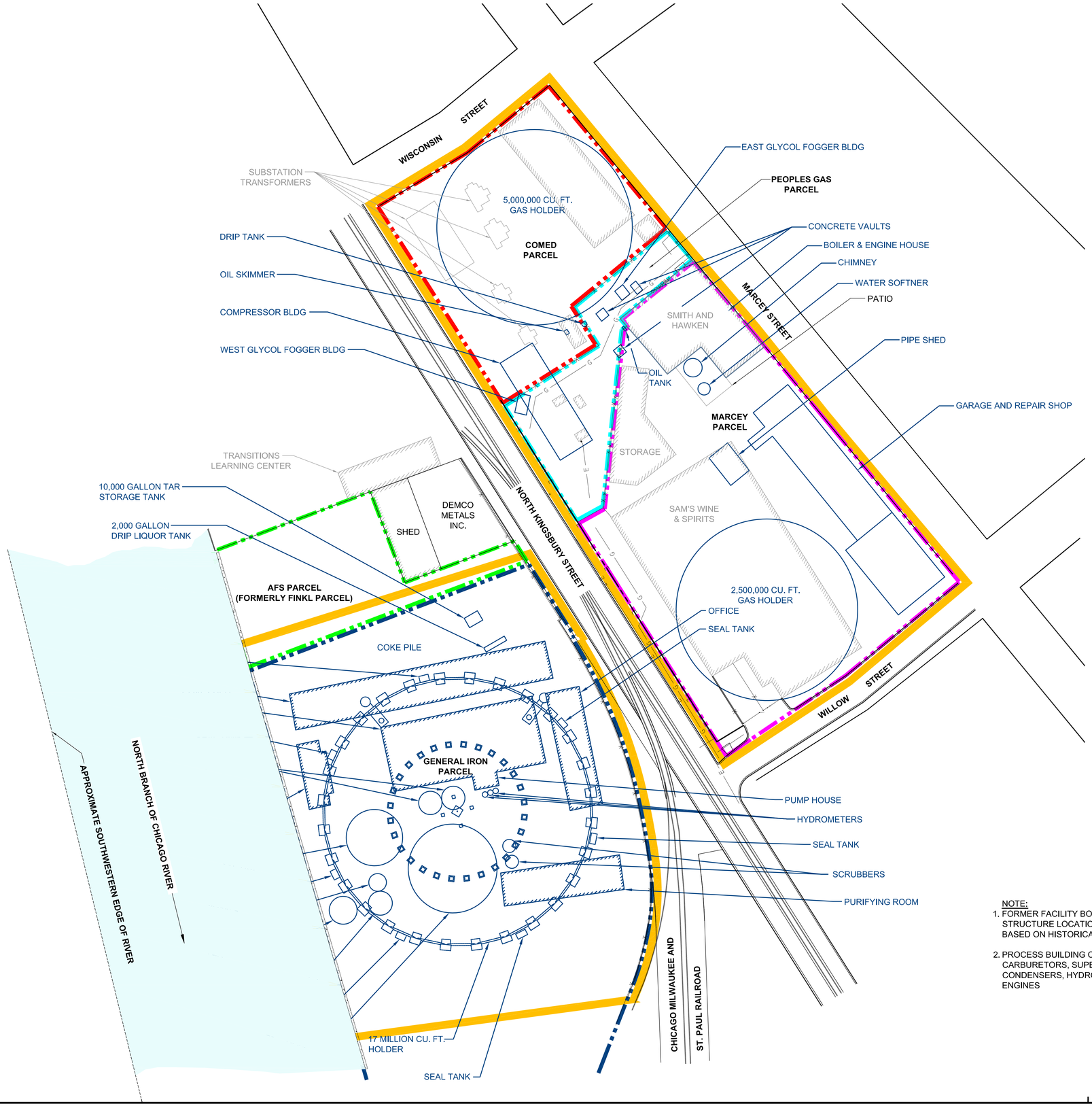


## LEGEND

- GENERAL IRON PARCEL
- MARCEY PARCEL
- AFS PARCEL (FORMERLY FINKL PARCEL)
- COMED PARCEL
- PEOPLES GAS PARCEL
- APPROXIMATE WILLOW/HAWTHORNE OU UPLAND BOUNDARY
- EXISTING FENCE
- EXISTING BUILDING
- HISTORICAL MGP STRUCTURES

NORTH

0 50' 100'
SCALE IN FEET

NOTE:
1. FORMER FACILITY BOUNDARIES AND HISTORICAL STRUCTURE LOCATIONS ARE APPROXIMATE BASED ON HISTORICAL DIAGRAMS.
2. PROCESS BUILDING CONTAINED GENERATORS, CARBURETORS, SUPERHEATERS, SCRUBBERS, CONDENSERS, HYDROMETERS, BOILERS AND ENGINES

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| | |
|---|---|
| date SEPTEMBER 21, 2009 | detailed D. CHAVEZ |
| designed A. HANRAHAN | checked M. KELLEY |

**THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS**

FIGURE 5
HISTORICAL MGP STRUCTURES MAP
WILLOW/HAWTHORNE OU SSWP
CHICAGO, ILLINOIS

| | |
|---|---|
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| drawing | rev. — |
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file\\PEOPLES GAS\WILLOW GENERAL IRON - HAWTHORN SAS - 51893\CAD\WORK PLAN\HISTORIC MGP.MAP

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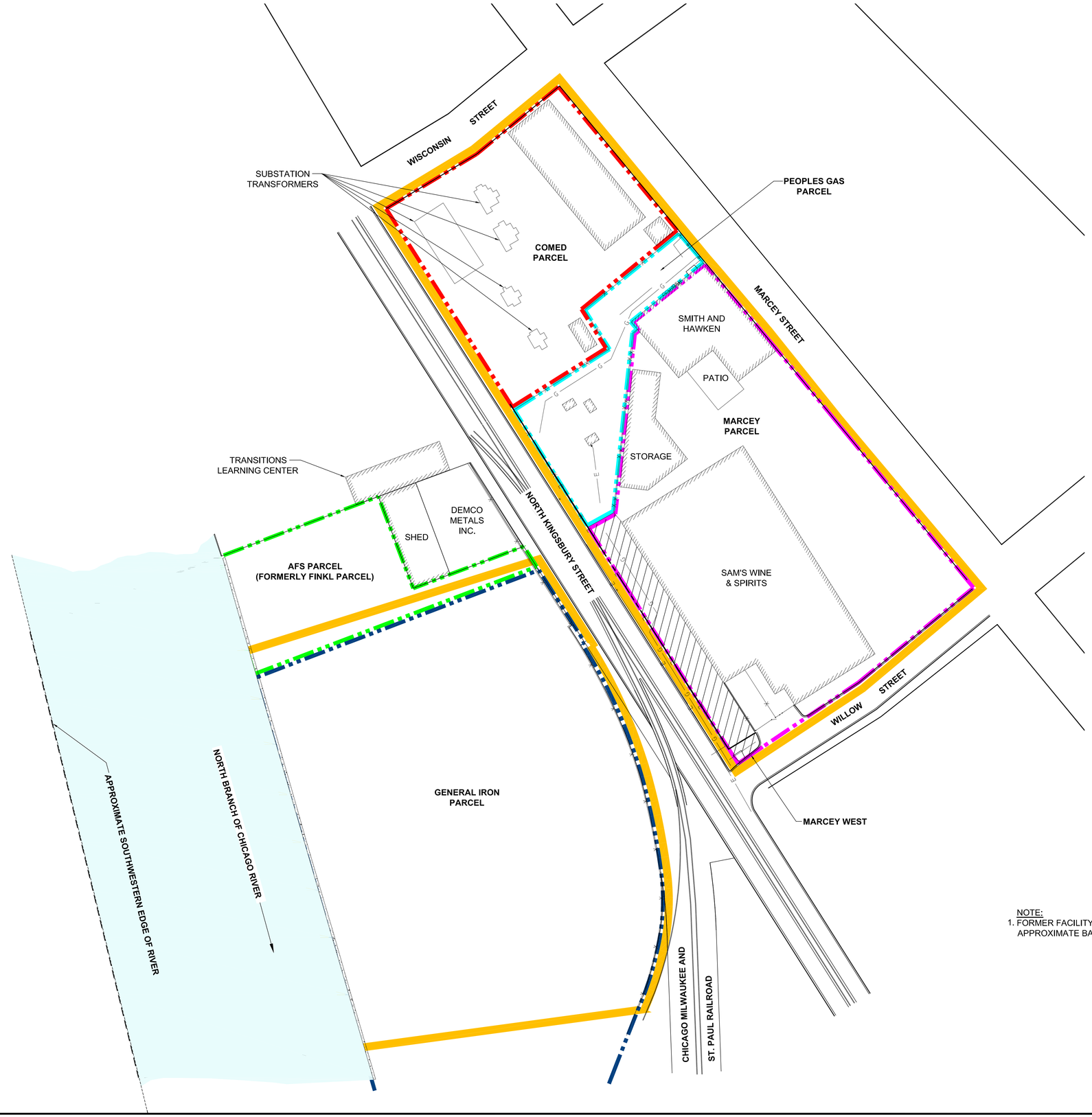


## LEGEND

- GENERAL IRON PARCEL
- MARCEY PARCEL
- AFS PARCEL (FORMERLY FINKL PARCEL)
- COMED PARCEL
- PEOPLES GAS PARCEL
- APPROXIMATE WILLOW/HAWTHORNE OU UPLAND BOUNDARY
- EXISTING FENCE
- APPROXIMATE WILLOW/HAWTHORNE OU RIVER BOUNDARY
- EXISTING BUILDING
- WESTERN PORTION OF MARCEY PARCEL (SOLD BY PGL TO MARCEY IN 2004)

NORTH

0 50' 100'
SCALE IN FEET

NOTE:
1. FORMER FACILITY BOUNDARIES ARE APPROXIMATE BASED ON HISTORICAL DIAGRAMS.

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| | |
|---|---|
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**THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS**

FIGURE 4

WILLOW/HAWTHORNE OU LAYOUT MAP
WILLOW/HAWTHORNE OU SSWP
CHICAGO, ILLINOIS

| | |
|---|---|
| project 51893 | contract |
| drawing | rev. |
| sheet of sheets | |

file E:\Peoples Gas\Willow General Iron - Hawthorn SAS - 51893\CADWORK PLAN\SITE LAYOUT MAP

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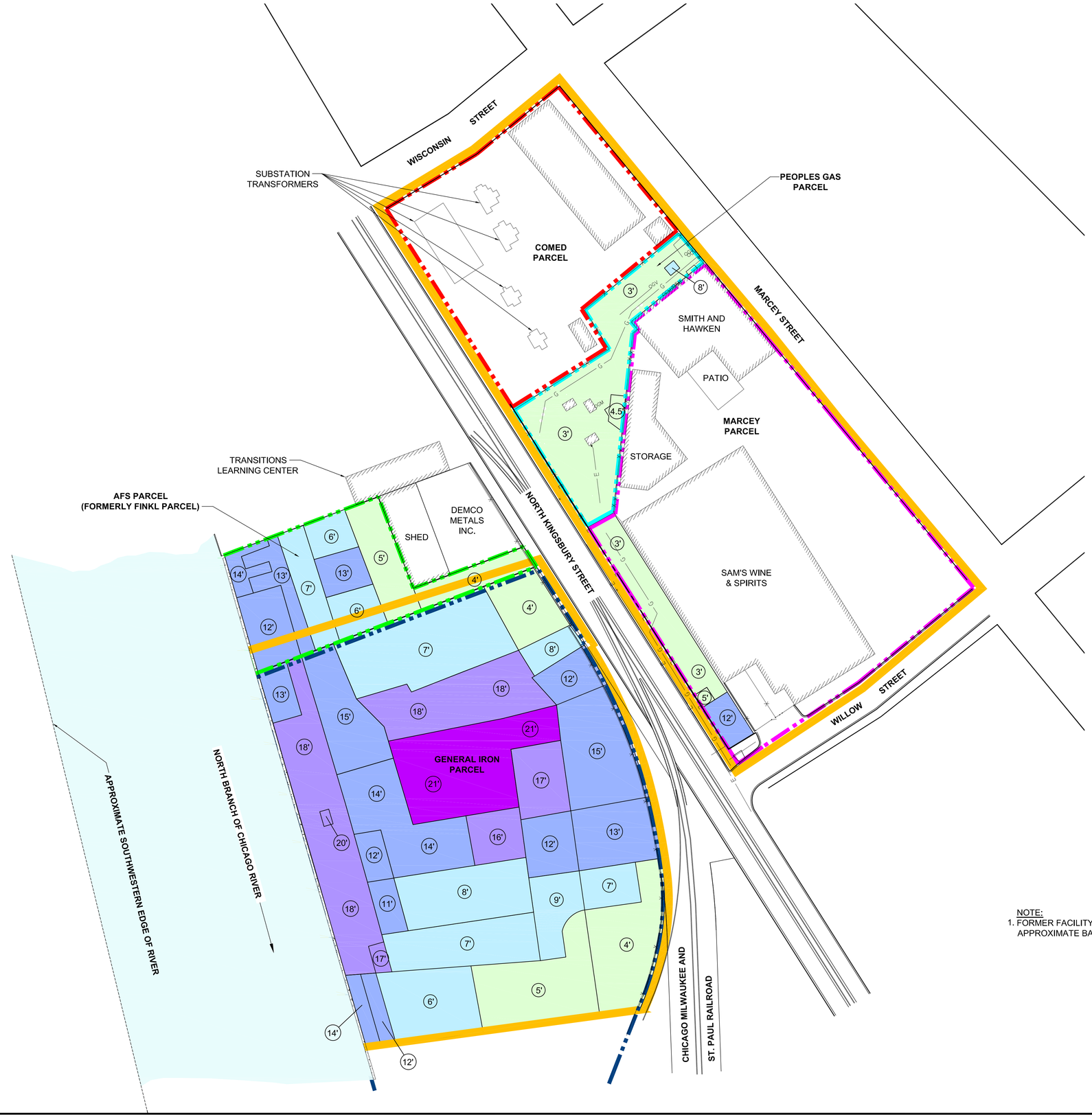


## LEGEND

- GENERAL IRON PARCEL
- MARCEY PARCEL
- AFS PARCEL (FORMERLY FINKL PARCEL)
- COMED PARCEL
- PEOPLES GAS PARCEL
- APPROXIMATE WILLOW/HAWTHORNE OU UPLAND BOUNDARY
- EXISTING FENCE
- EXISTING BUILDING
- EXCAVATION 3'-5' BGS
- EXCAVATION 6'-10' BGS
- EXCAVATION 11'-15' BGS
- EXCAVATION 16'-20' BGS
- EXCAVATION > 20
- (3') DEPTH IDENTIFICATION

NORTH

0 50' 100'
SCALE IN FEET

NOTE:
1. FORMER FACILITY BOUNDARIES ARE APPROXIMATE BASED ON HISTORICAL DIAGRAMS.

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| | |
|---|---|
| date SEPTEMBER 21, 2009 | detailed D. CHAVEZ |
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**THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS**

FIGURE 6
REMEDIAL ACTION SUMMARY
WILLOW/HAWTHORNE OU SSWP
CHICAGO, ILLINOIS

| | |
|---|---|
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## LEGEND

- GENERAL IRON PARCEL
- MARCEY PARCEL
- AFS PARCEL (FORMERLY FINKL PARCEL)
- COMED PARCEL
- PEOPLES GAS PARCEL
- APPROXIMATE WILLOW/HAWTHORNE OU UPLAND BOUNDARY
- EXISTING FENCE
- EXISTING BUILDING
- WESTERN PORTION OF MARCEY PARCEL (SOLD BY PGL TO MARCEY IN 2004)
- 3' IMPORTED FILL
- IMPORTED FILL GREATER THAN 3'
- ENGINEERED BARRIER 3' IMPORTED FILL OVER HDPE LINER

NORTH

0 50' 100'
SCALE IN FEET

NOTE:
1. FORMER FACILITY BOUNDARIES ARE APPROXIMATE BASED ON HISTORICAL DIAGRAMS.

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| | |
|---|---|
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**THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS**

FIGURE 7
POST REMEDIATION SUMMARY OF FINDINGS
WILLOW/HAWTHORNE OU SSWP
CHICAGO, ILLINOIS

| | |
|---|---|
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| drawing | rev. |
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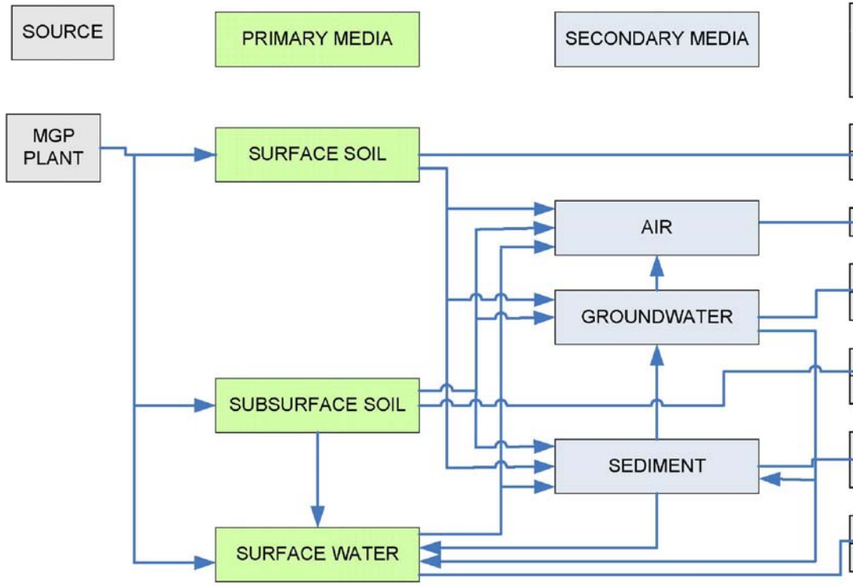


| EXPOSURE ROUTE | HUMAN RECEPTORS | | | | ECOLOGICAL RECEPTORS | | | |
|---|---|---|---|---|---|---|---|---|
| | INDUSTRIAL/ COMMERCIAL WORKER | CONSTRUCTION WORKER | RECREATIONAL | RESIDENTIAL | BIRDS | MAMMALS | FISH | BENTHIC INVERTEBRATES |
| INGESTION | ●* | ●* | ○ | ●** | ○ | ○ | NA | NA |
| DERMAL | ●* | ●* | ○ | ●** | ○ | ○ | NA | NA |
| INHALATION | ●* | ●* | ○ | ○ | ○ | ○ | NA | NA |
| INGESTION | ●* | ●* | ○ | ●** | ○ | ○ | NA | NA |
| DERMAL | ●* | ●* | ○ | ●** | ○ | ○ | NA | NA |
| INGESTION | ●* | ●* | ○ | ○ | ○ | ○ | NA | NA |
| DERMAL | ●* | ●* | ○ | ○ | ○ | ○ | NA | NA |
| INGESTION | ○ | ● | ○ | ○ | ○ | ○ | ● | ● |
| DERMAL | ○ | ● | ○ | ○ | ○ | ○ | ● | ● |
| INGESTION | ○ | ● | ● | ○ | ○ | ○ | ● | ● |
| DERMAL | ○ | ● | ● | ○ | ○ | ○ | ● | ● |

NOTES:
* Potentially relevant for ComEd, Peoples Gas, and Marcey parcels only.
** Potentially relevant for General Iron and Finkl parcels only.

LEGEND:
● Pathway potentially complete and warrants further evaluation within the Baseline Risk Assessment. The level of evaluation will depend upon site conditions.
○ Pathway not complete or considered insignificant; No further evaluation is recommended unless warranted based on site-specific conditions.
NA: Not Applicable

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CHICAGO, ILLINOIS

Figure 8

SITE SPECIFIC CONCEPTUAL SITE MODEL
WILLOW STREET/HAWTHORNE AVE OU SSWP
CHICAGO, ILLINOIS

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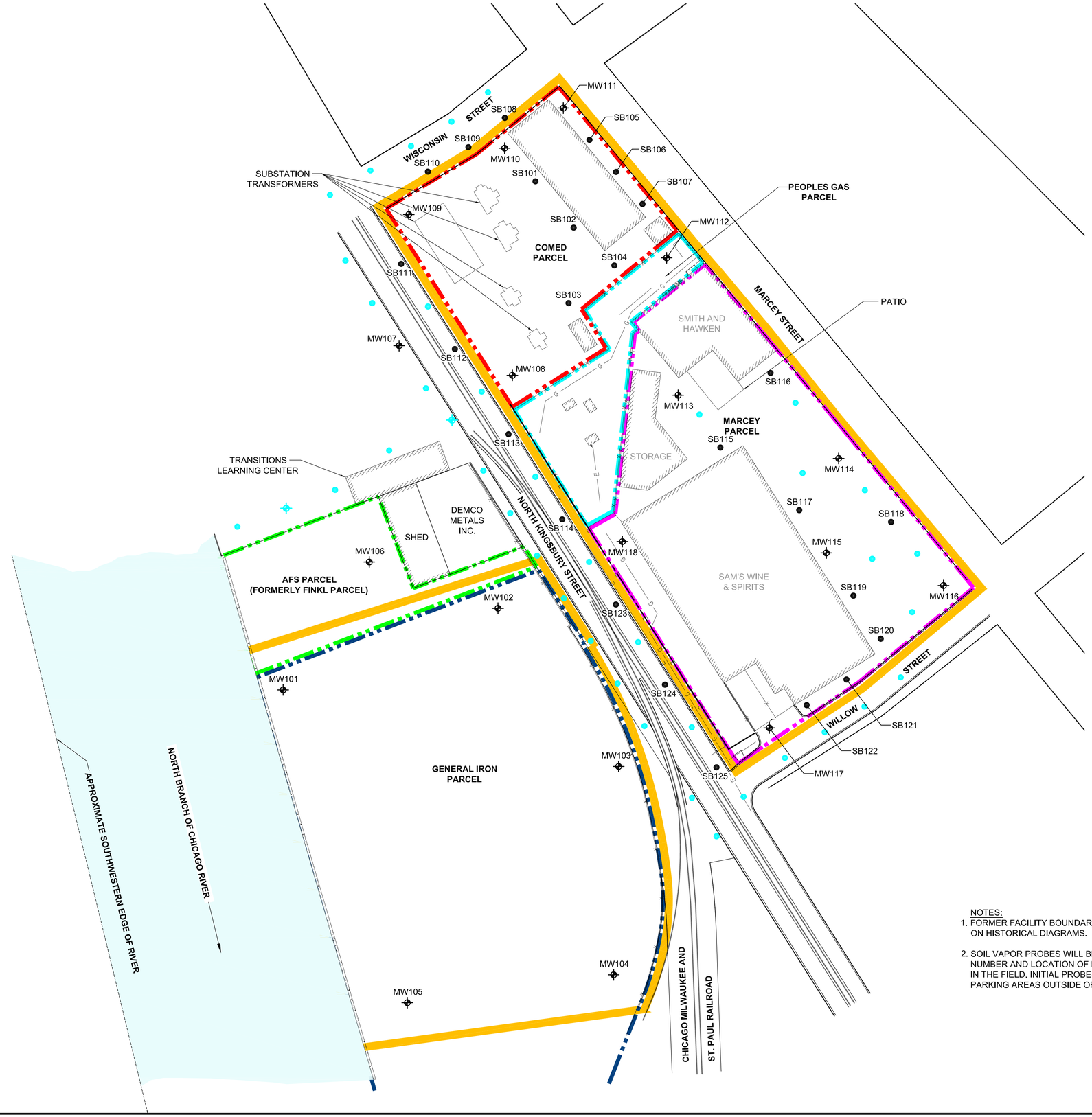


## LEGEND

- GENERAL IRON PARCEL
- MARCEY PARCEL
- AFS PARCEL (FORMERLY FINKL PARCEL)
- COMED PARCEL
- PEOPLES GAS PARCEL
- APPROXIMATE WILLOW/HAWTHORNE OU UPLAND BOUNDARY
- EXISTING FENCE
- EXISTING BUILDING
- PROPOSED SOIL BORING LOCATION
- PROPOSED GROUNDWATER MONITORING WELLS (ASSUMING WATER IS ENCOUNTERED)
- OPTIONAL SOIL BORING LOCATION

NORTH

0 50' 100'
SCALE IN FEET

NOTES:
1. FORMER FACILITY BOUNDARIES ARE APPROXIMATE BASED ON HISTORICAL DIAGRAMS.
2. SOIL VAPOR PROBES WILL BE INSTALLED BUT THE NUMBER AND LOCATION OF PROBES WILL BE DETERMINED IN THE FIELD. INITIAL PROBES WILL BE INSTALLED IN PARKING AREAS OUTSIDE OF THE BUILDINGS.

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| | |
|---|---|
| date SEPTEMBER 21, 2009 | detailed D. CHAVEZ |
| designed A. HANRAHAN | checked M. KELLEY |

**THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS**

FIGURE 9
PROPOSED SAMPLE LOCATIONS MAP FOR THE LAND PORTION OF THE OU WILLOW/HAWTHORNE OU SSWP
CHICAGO, ILLINOIS

| | |
|---|---|
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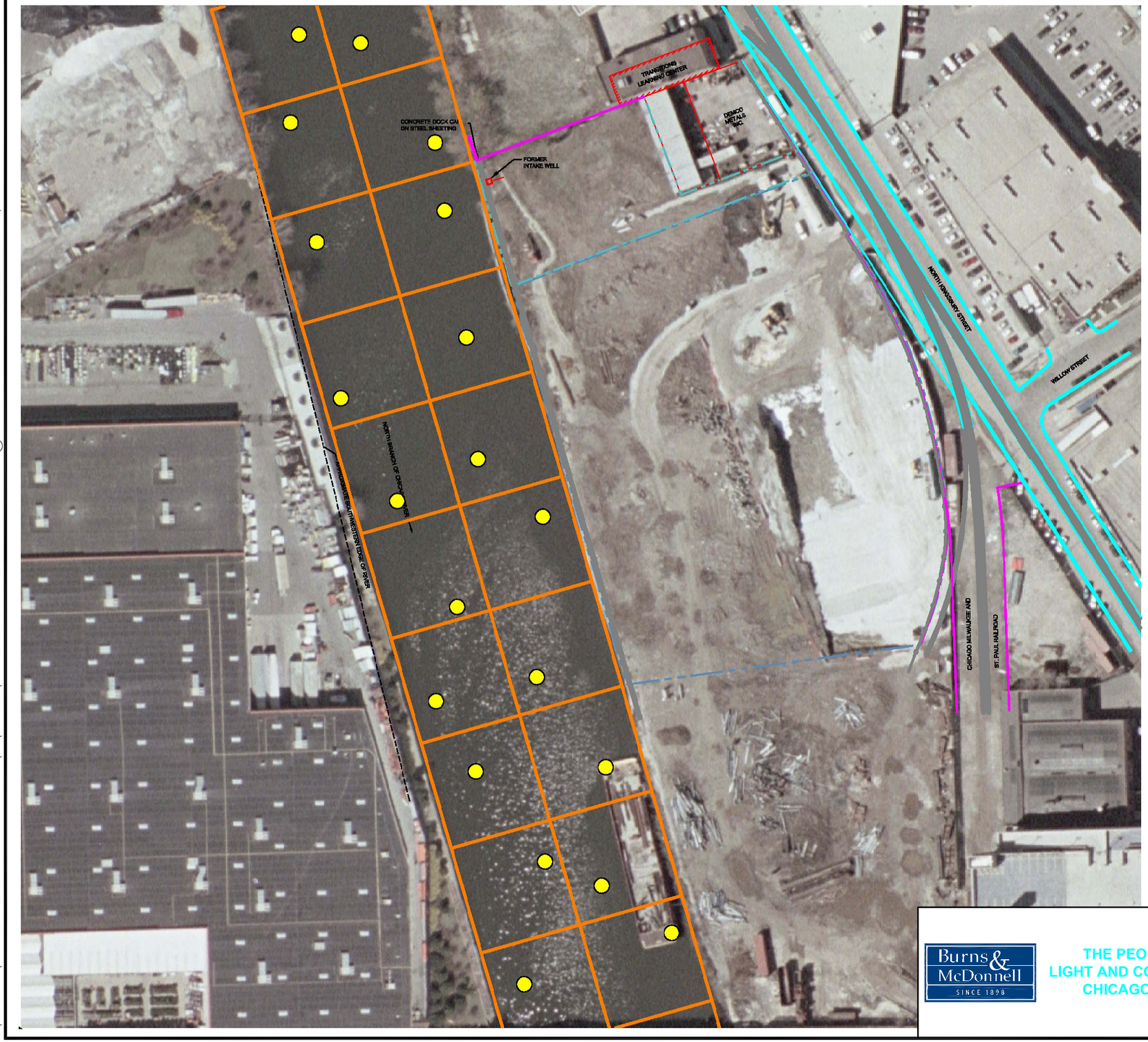


**LEGEND**

- SEDIMENT SAMPLE POINT
- SAMPLING UNIT

N

0 50 100
SCALE IN FEET

SOURCE NOTES:
1. THIS DRAWING WAS DEVELOPED FROM RSB SAMP LOC-PACK N GO.DWG, PROVIDED BY BURNS & MCDONNEL ON MAY 29, 2009.
2. 2005 DIGITAL ORTHOPHOTO FROM ILLINOIS NATURAL RESOURCES GEOSPATIAL DATA CLEARINGHOUSE (http://www.isgs.uiuc.edu).

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LIGHT AND COKE COMPANY
CHICAGO, ILLINOIS

Figure 10

PROPOSED SEDIMENT SAMPLE LOCATION
WILLOW STREET/HAWTHORNE AVE OU SSWP
CHICAGO, ILLINOIS

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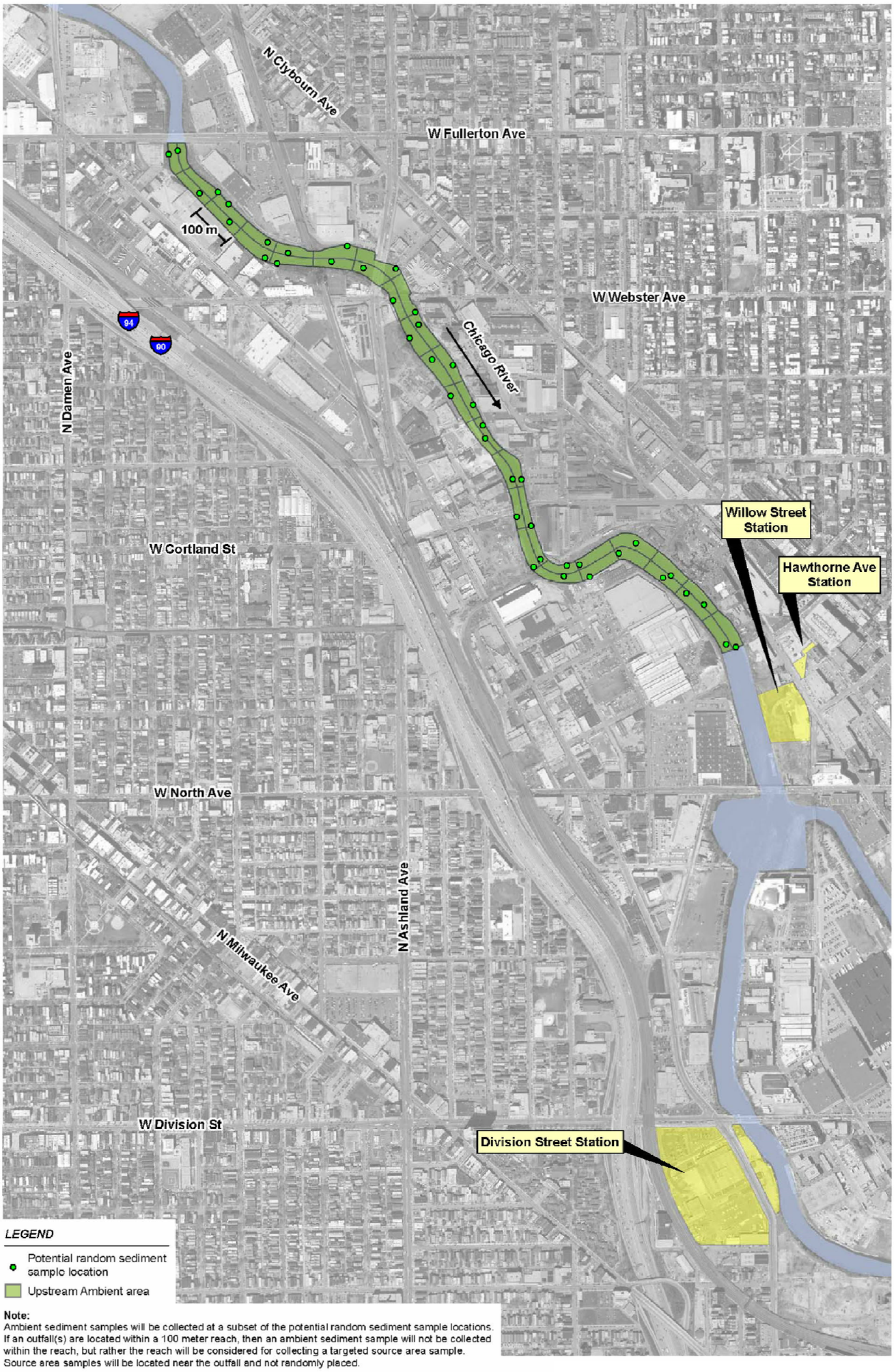


**Note:**
Ambient sediment samples will be collected at a subset of the potential random sediment sample locations. If an outfall(s) are located within a 100 meter reach, then an ambient sediment sample will not be collected within the reach, but rather the reach will be considered for collecting a targeted source area sample. Source area samples will be located near the outfall and not randomly placed.

0 750 1,500 Feet
0 250 500 Meters

Figure 11
PROPOSED AMBIENT SEDIMENT SAMPLING LOCATIONS MAP
WILLOW STREET/HAWTHORNE AVE OU SSWP
CHICAGO, ILLINOIS

THE PEOPLES GAS LIGHT AND COKE COMPANY
CHICAGO, ILLINOIS

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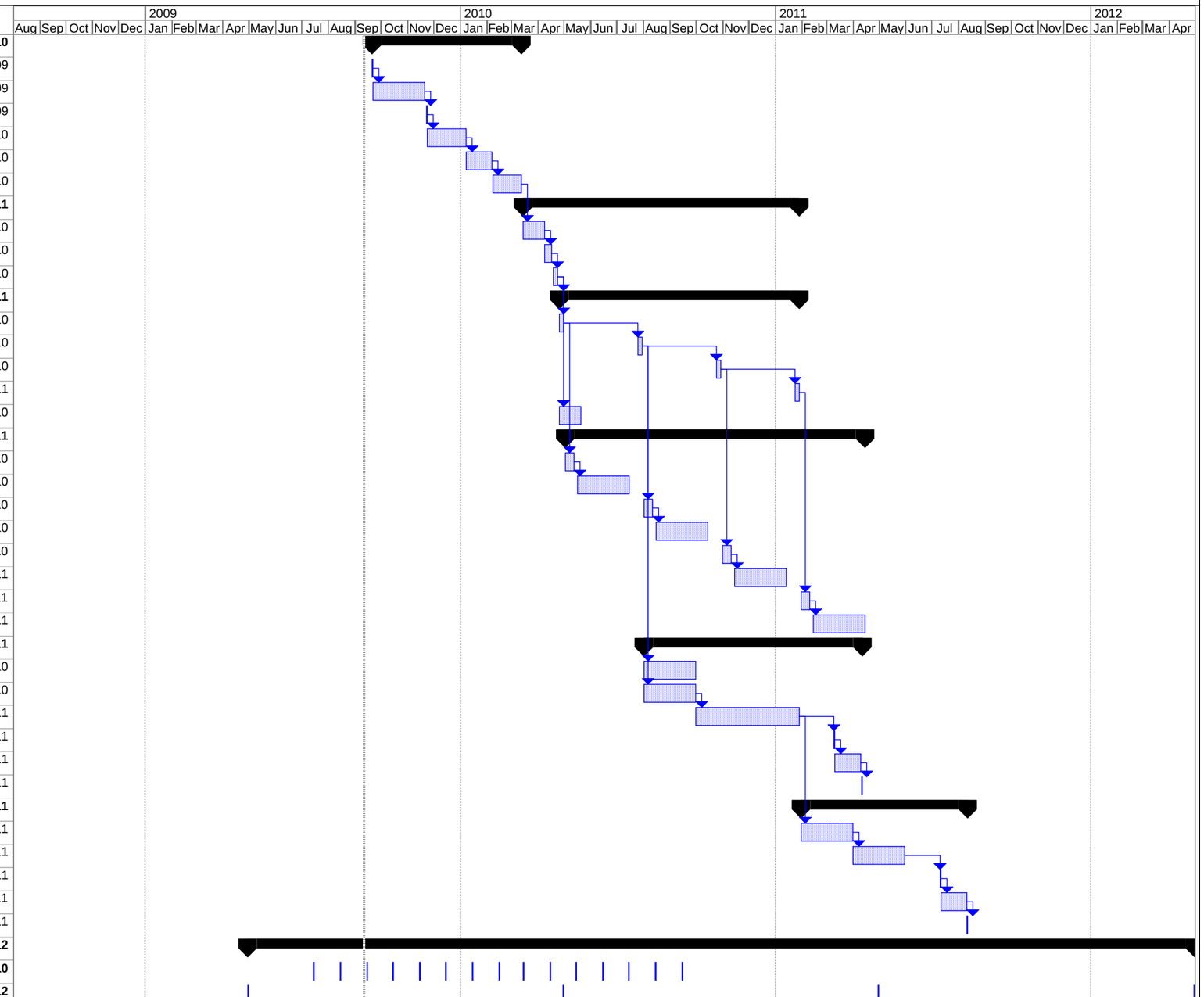
FIGURE 12
RI/FS Preliminary Schedule
Willow Street/Hawthorne Avenue Station OU
Peoples Gas

| ID | Task Name | Duration | Start | Finish |
|---|---|---|---|---|
| 1 | **Preparation for RI Field Activites** | **173 days** | **Mon 9/21/09** | **Fri 3/12/10** |
| 2 | Site Specific Work Plan Revision 0 to USEPA | 1 day | Mon 9/21/09 | Mon 9/21/09 |
| 3 | USEPA Review of SSWP Rev 0 | 60 days | Tue 9/22/09 | Fri 11/20/09 |
| 4 | Receive Comments on SSWP Rev 0 | 1 day | Mon 11/23/09 | Mon 11/23/09 |
| 5 | Prepare SSWP Revision 1 | 45 days | Tue 11/24/09 | Thu 1/7/10 |
| 6 | USEPA Approval of SSWP Rev 1 | 30 days | Fri 1/8/10 | Sat 2/6/10 |
| 7 | Field Activites and Contract Preparation | 33 days | Mon 2/8/10 | Fri 3/12/10 |
| 8 | **Field Activites** | **320 days** | **Mon 3/15/10** | **Fri 1/28/11** |
| 9 | Soil Boring/GW Monitoring Well Installation | 25 days | Mon 3/15/10 | Thu 4/8/10 |
| 10 | Soil Gas Sampling | 8 days | Fri 4/9/10 | Fri 4/16/10 |
| 11 | Develop Groundwater Monitoring Wells | 5 days | Mon 4/19/10 | Fri 4/23/10 |
| 12 | **Quarterly Groundwater Sampling** | **278 days** | **Mon 4/26/10** | **Fri 1/28/11** |
| 13 | First Quarter Sampling Event | 5 days | Mon 4/26/10 | Fri 4/30/10 |
| 14 | Second Quarter Sampling Event | 5 days | Mon 7/26/10 | Fri 7/30/10 |
| 15 | Third Quarter Sampling Event | 5 days | Mon 10/25/10 | Fri 10/29/10 |
| 16 | Fourth Quarter Sampling Event | 5 days | Mon 1/24/11 | Fri 1/28/11 |
| 17 | **Sediment and Surface Water Sampling** | 25 days | Mon 4/26/10 | Thu 5/20/10 |
| 18 | **Data Evaluation Activites** | **347 days** | **Mon 5/3/10** | **Thu 4/14/11** |
| 19 | Laboratory Analysis 1st Qtr event | 10 days | Mon 5/3/10 | Wed 5/12/10 |
| 20 | Data Validation 1st Qtr event | 60 days | Mon 5/17/10 | Thu 7/15/10 |
| 21 | Laboratory Analysis 2nd Qtr event | 10 days | Mon 8/2/10 | Wed 8/11/10 |
| 22 | Data Validation 2nd Qtr event | 60 days | Mon 8/16/10 | Thu 10/14/10 |
| 23 | Laboratory Analysis 3rd Qtr event | 10 days | Mon 11/1/10 | Wed 11/10/10 |
| 24 | Data Validation 3rd Qtr event | 60 days | Mon 11/15/10 | Thu 1/13/11 |
| 25 | Laboratory Analysis 4th Qtr event | 10 days | Mon 1/31/11 | Wed 2/9/11 |
| 26 | Data Validation 4th Qtr event | 60 days | Mon 2/14/11 | Thu 4/14/11 |
| 27 | **Remdial Investigation Report** | **253 days** | **Mon 8/2/10** | **Mon 4/11/11** |
| 28 | Baseline Risk Assessment | 60 days | Mon 8/2/10 | Thu 9/30/10 |
| 29 | Current and Future Land Reuse Assessment | 60 days | Mon 8/2/10 | Thu 9/30/10 |
| 30 | Draft RI Report to USEPA | 120 days | Fri 10/1/10 | Fri 1/28/11 |
| 31 | Receive Comments on Draft RI Rport | 1 day | Thu 3/10/11 | Thu 3/10/11 |
| 32 | Finalize RI Report | 30 days | Fri 3/11/11 | Sat 4/9/11 |
| 33 | Final RI Report to USEPA | 1 day | Mon 4/11/11 | Mon 4/11/11 |
| 34 | **Feasibility Study Report** | **193 days** | **Mon 1/31/11** | **Thu 8/11/11** |
| 35 | Development and Screening of Alternatives to USEPA | 60 days | Mon 1/31/11 | Thu 3/31/11 |
| 36 | Draft FS Report to USEPA | 60 days | Fri 4/1/11 | Mon 5/30/11 |
| 37 | Receive USEPA Comments on Draft FS Report | 1 day | Mon 7/11/11 | Mon 7/11/11 |
| 38 | Finalize FS Report | 30 days | Tue 7/12/11 | Wed 8/10/11 |
| 39 | Final FS Report to USEPA | 1 day | Thu 8/11/11 | Thu 8/11/11 |
| 40 | **Project Management Reporting** | **1097 days** | **Thu 4/30/09** | **Mon 4/30/12** |
| 41 | **Monthly Progress Report** | **428 days** | **Wed 7/15/09** | **Wed 9/15/10** |
| 57 | **Annual Progress Report** | **1097 days** | **Thu 4/30/09** | **Mon 4/30/12** |




Project: SSWP Schedule Figure
Date: Fri 9/11/09

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

This preliminary schedule is dependent on USEPA Approval and weather conditions for field work.
Modification will be in accordance with the AOC/SOW