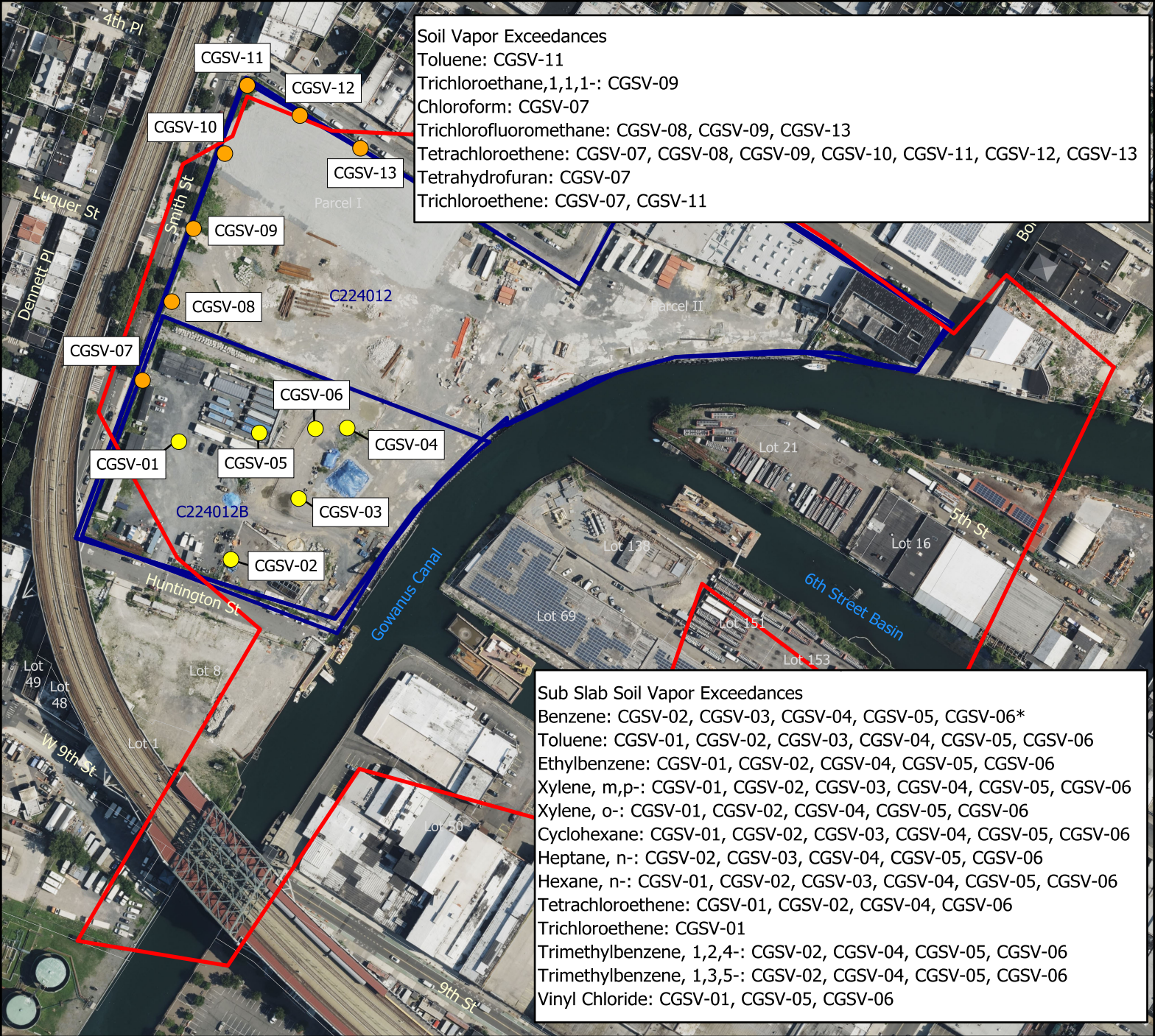
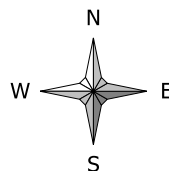




DRAFT Sub Slab Soil Vapor and Soil Vapor Samples in Exceedance of NYDOH 90th % for Indoor Air, OSHA PEL, or NYDOH Upper Quadrant for Outdoor Air

0 1000 ft



● Sub Slab Soil Vapor
an exceedance of NYDOH 90th % for Indoor Air
or an exceedance of OSHA PEL*

● Soil Vapor
exceeds NYDOH Upper Quadrant for Outdoor Air

▭ Extent of Contamination

▭ Remediation Zones: 224012, C224012, C224012B

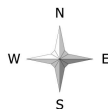
Sources:
Attachment A. Off-Site Area Investigation Locations for Former Citizens MGP Site, Gowanus Canal
Superfund Site, Brooklyn, New York, February 2022.

Final Remedial Investigation Report Carroll Gardens/Public Place, Brooklyn, New York,
VCA Index No. A2-0460-0502, Site No. V00360-2, October 2005.



DRAFT Overall Area Potentially Impacted By Toxic Pollution Reportedly Migrating From the Public Place Coal-Tar Contaminated Site: 224012, C224012, C224012B

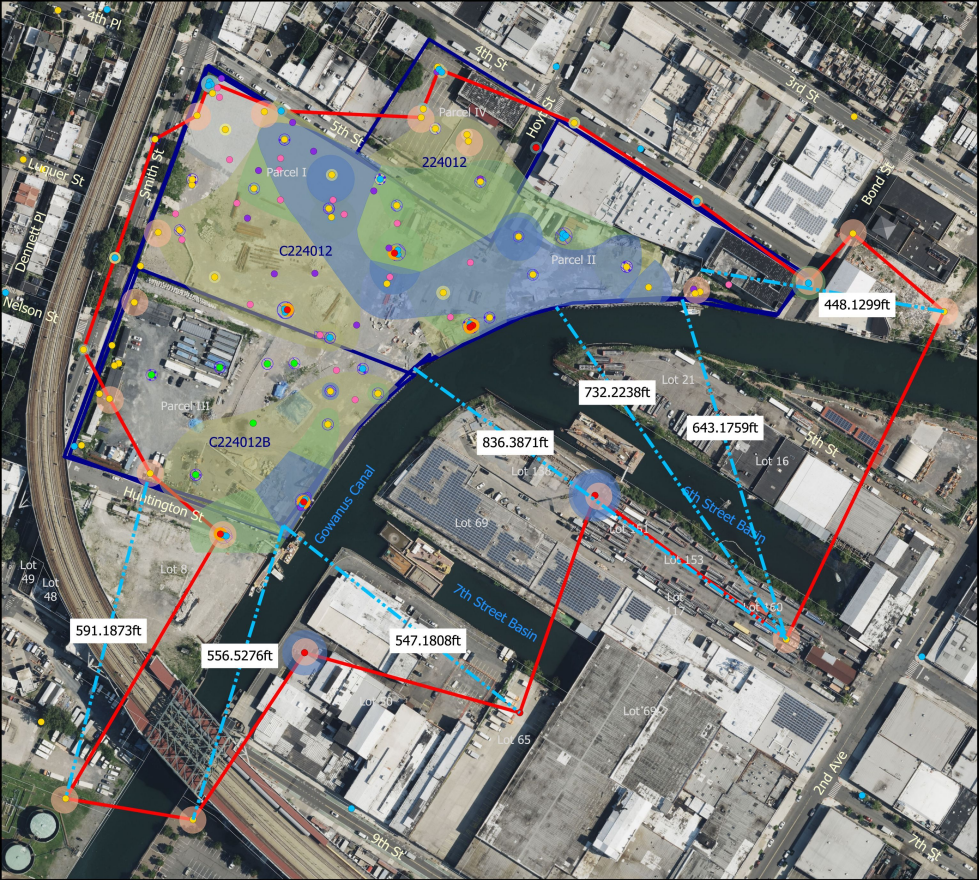
0 1000 ft



- Naphthalene
- Groundwater Monitoring Well
- Soil Boring
- Geoprobe Boring/Soil Vapor Sample
- Surface Soil Sample
- Test Pit
- DNAPL
- visual evidence of tar present in boring
- petroleum sheen/staining odors
- petroleum odors
- tar/naphthalene-like odors
- tar saturated
- tar staining, sheen and tar/naphtha odors
- lenses with tar saturation and tar/naphtha odors
- blebs, globs, lenses, coatings, sheens and tar/naphtha odors
- Extent of Contamination
- Remediation Zones: 224012, C224012, C224012B

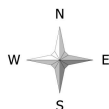
Sources:
Attachment A. Off-Site Area Investigation Locations for Former Citizens MGP Site, Gowanus Canal
Superfund Site, Brooklyn, New York, February 2022.

Final Remedial Investigation Report Carroll Gardens/Public Place, Brooklyn, New York,
VCA Index No. A2-0460-0502, Site No. V00360-2, October 2005.



DRAFT Migration Distances For Public Place Reported Toxic Contamination Concerns

0 1000 ft

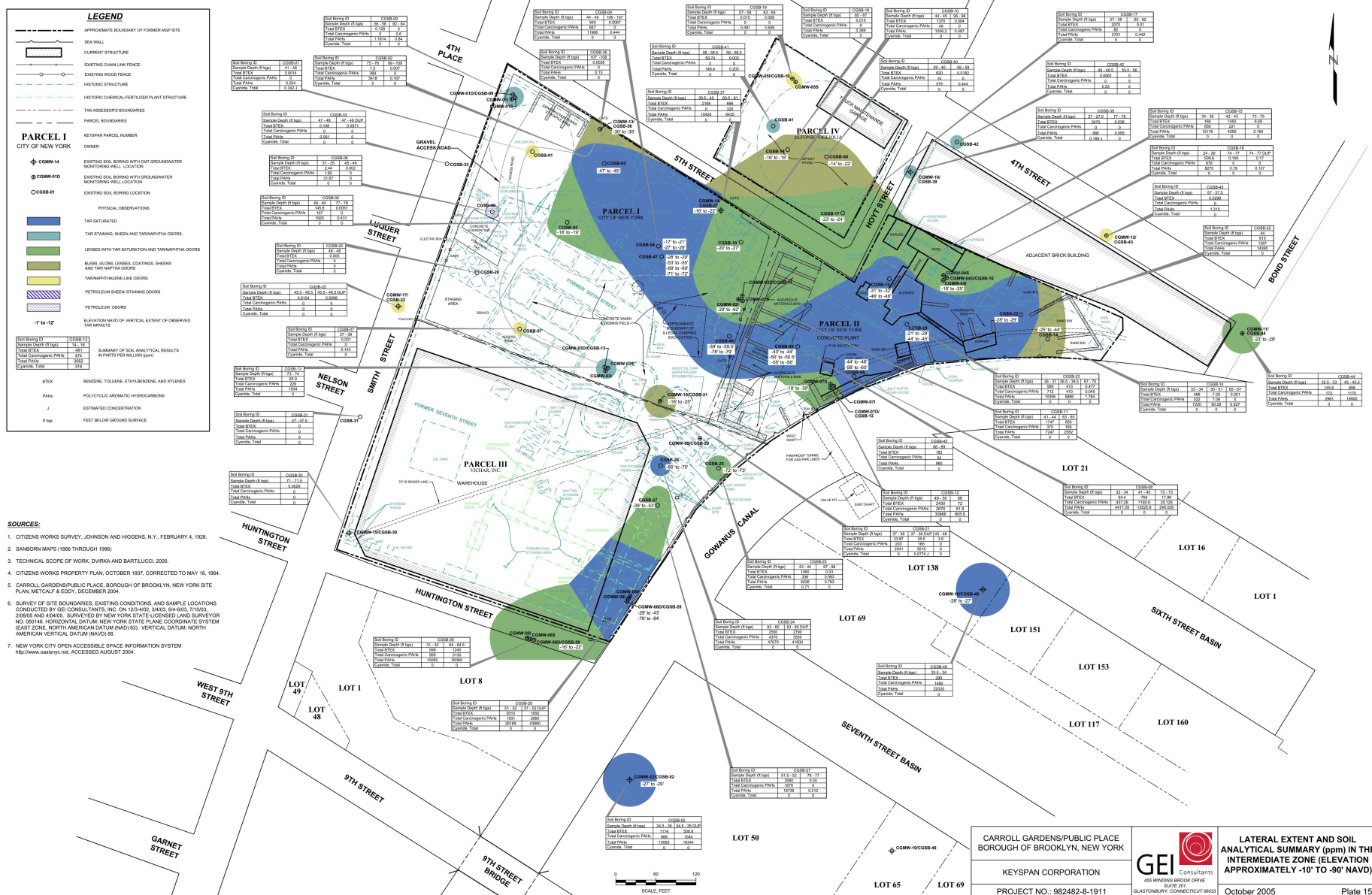


- Naphthalene
- Groundwater Monitoring Well
- Soil Boring
- Geoprobe Boring/Soil Vapor Sample
- Surface Soil Sample
- Test Pit
- DNAPL
- visual evidence of tar present in boring
- ▨ petroleum sheen/staining odors
- ▨ petroleum odors
- ▨ tar/naphthalene-like odors
- ▨ tar saturated
- ▨ tar staining, sheen and tar/naphtha odors
- ▨ lenses with tar saturation and tar/naphtha odors
- ▨ blebs, globs, lenses, coatings, sheens and tar/naphtha odors
- ▨ Extent of Contamination
- ▨ Remediation Zones: 224012, C224012, C224012B

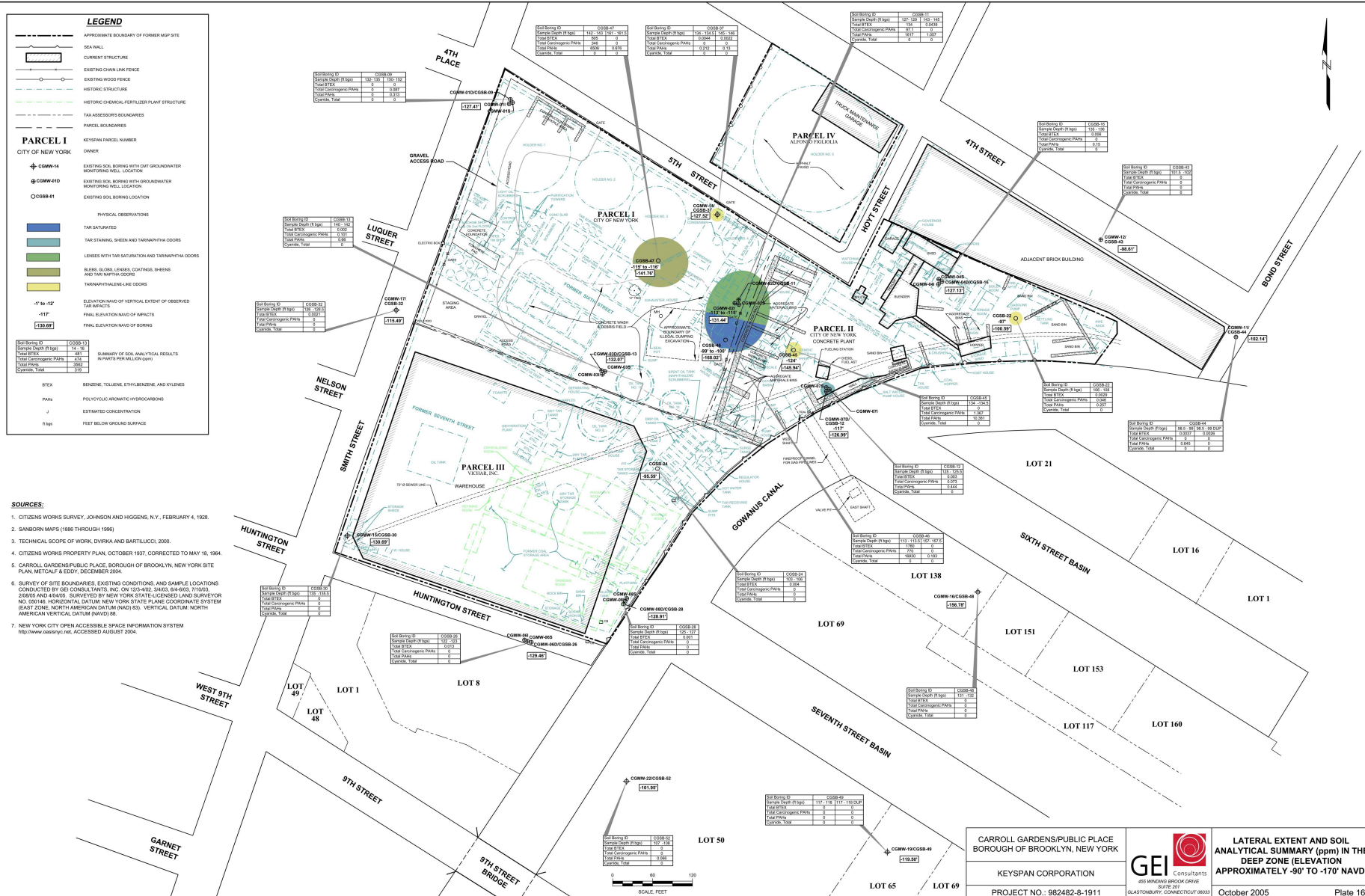
Sources:
Attachment A. Off-Site Area Investigation Locations for Former Citizens MGP Site, Gowanus Canal Superfund Site, Brooklyn, New York, February 2022.

Final Remedial Investigation Report Carroll Gardens/Public Place, Brooklyn, New York, VCA Index No. A2-0460-0502, Site No. V00360-2, October 2005.





- SOURCES:**
- CITIZENS SURVEY, JOHNSON AND HIGGINS, N.Y., FEBRUARY 4, 1920.
 - SANBORN MAPS (1886 THROUGH 1996)
 - TECHNICAL SCOPE OF WORK, DVIRKA AND BARTOLUCCI, 2000.
 - CITIZENS WORKS PROPERTY PLAN, OCTOBER 1937, CORRECTED TO MAY 18, 1964.
 - CARROLL GARDENS PUBLIC PLACE, BOROUGH OF BROOKLYN, NEW YORK SITE PLAN, METCALF & EDDY, DECEMBER 2004.
 - SURVEY OF SITE BOUNDARIES, EXISTING CONDITIONS, AND SAMPLE LOCATIONS CONDUCTED BY GEI CONSULTANTS, INC. ON 12/3/02, 3/4/03, 6/4/03, 7/10/03, 3/26/04 AND 4/14/04. SURVEYED BY NEW YORK STATE LICENSED LAND SURVEYOR NO. 050148, HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83), VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.
 - NEW YORK CITY OPEN ACCESSIBLE SPACE INFORMATION SYSTEM
<http://www.danycity.net>, ACCESSSED AUGUST 2004.



- SOURCES:**
1. CITIZENS WORKS SURVEY, JOHNSON AND HIGGINS, N.Y., FEBRUARY 4, 1928.
 2. SANBORN MAPS (1886 THROUGH 1986)
 3. TECHNICAL SCOPE OF WORK, DIVKA AND BARTUCCI, 2000.
 4. CITIZENS WORKS PROPERTY PLAN, OCTOBER 1937, CORRECTED TO MAY 18, 1964.
 5. CARROLL GARDENS PUBLIC PLACE, BOROUGH OF BROOKLYN, NEW YORK SITE PLAN, METCALF & EDDY, DECEMBER 2004.
 6. SURVEY OF SITE BOUNDARIES, EXISTING CONDITIONS, AND SAMPLE LOCATIONS CONDUCTED BY GEI CONSULTANTS, INC. ON 12-04-02, 34-03, 64-03, 71-03, 20-05, AND 48-05. SURVEYED BY NEW YORK STATE LICENSED LAND SURVEYOR NO. 050146, HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD 83), VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD 88).
 7. NEW YORK CITY OPEN ACCESSIBLE SPACE INFORMATION SYSTEM <http://www.openaccessible.net>, ACCESSSED AUGUST 2004.

CARROLL GARDENS/PUBLIC PLACE BOROUGH OF BROOKLYN, NEW YORK		 GEI Consultants 405 ARDEN BROOK DRIVE SUITE 201 GLASTONBURY, CONNECTICUT 06033	LATERAL EXTENT AND SOIL ANALYTICAL SUMMARY (ppm) IN THE DEEP ZONE (ELEVATION APPROXIMATELY -90' TO -170' NAVD)
KEYSPAN CORPORATION			
PROJECT NO.: 982482-B-1911			
		October 2005	Plate 16

LEGEND

APPROXIMATE BOUNDARY OF FORMER MSP SITE

SEA WALL

CURRENT STRUCTURE

EXISTING CROWN LAW FENCE

EXISTING WOOD FENCE

EXISTING HISTORIC FENCE

HISTORIC STRUCTURE

HISTORIC CHEMICAL FERTILIZER PLANT STRUCTURE

TAX ADJUSTER'S BOUNDARIES

PARCEL BOUNDARIES

KEYSPAN PARCEL NUMBER

OWNER

EXISTING SOIL BORING WITH GROUNDWATER MONITORING WELL LOCATION

EXISTING SOIL BORING WITH GROUNDWATER MONITORING WELL LOCATION

EXISTING SOIL BORING LOCATION

EXISTING SURFACE SOIL SAMPLE LOCATION

EXISTING TEST PIT LOCATION

EXISTING GEOPROBED BORING LOCATION / SOIL VAPOR MONITORING LOCATION

PHYSICAL OBSERVATIONS

TAX SATURATED

TAX STAINING, B-BEEN AND TANNINATHA COODS

LENSES WITH TAX SATURATION AND TANNINATHA COODS

BLEBS, GLOBE, LENSES, COATINGS, SHEENS AND TANNINATHA COODS

TANNINATHA LANE COODS

PETROLEUM SHEEN STAINING COODS

PETROLEUM COODS

ELEVATION MAP OF VERTICAL EXTENT OF OBSERVED TAX IMPACTS

Summary of Soil Analytical Results in Parts per Million (ppm)

BTX: BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES

PAHs: POLYCYCLIC AROMATIC HYDROCARBONS

J: ESTIMATED CONCENTRATION

R: FEET BELOW GROUND SURFACE

8": HORIZONTAL CORRELATION UNSATURATED SOIL THICKNESS (FT)

- SOURCES:**
- CITIZENS WORKS SURVEY, JOHNSON AND HIGGINS, N.Y., FEBRUARY 4, 1928.
 - SANBORN MAPS (1886 THROUGH 1996)
 - TECHNICAL SCOPE OF WORK, DYKRA AND BARTLUCCI, 2000.
 - CITIZENS WORKS PROPERTY PLAN, OCTOBER 1937, CORRECTED TO MAY 18, 1964.
 - CARROLL GARDENS/PUBLIC PLACE, BOROUGH OF BROOKLYN, NEW YORK SITE PLAN, METCALF & EDDY, DECEMBER 2004.
 - SURVEY OF SITE BOUNDARIES, EXISTING CONDITIONS, AND SAMPLE LOCATIONS CONDUCTED BY GEI CONSULTANTS, INC. ON 123-402, 34103, 64-603, 711003, 20606 AND 40405. SURVEYED BY NEW YORK STATE LICENSED LAND SURVEYOR NO. 050196, HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM 1983); VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD83).
 - NEW YORK CITY OPEN ACCESSIBLE SPACE INFORMATION SYSTEM <http://www.casny.net>, ACCESSSED AUGUST 2004.

