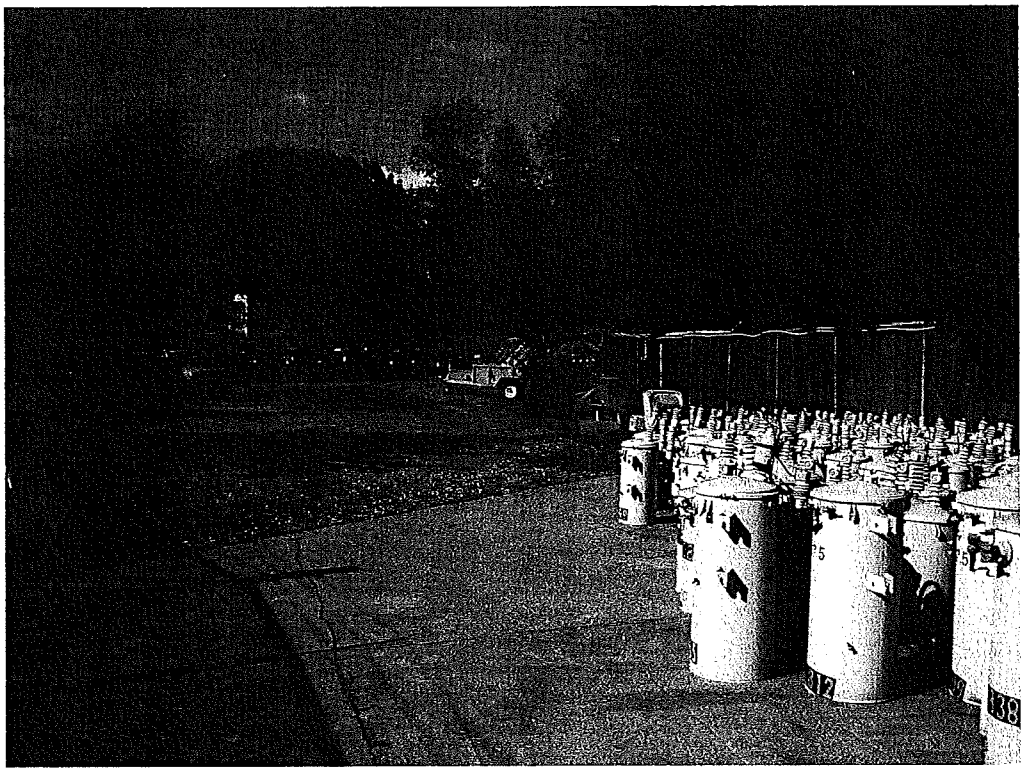
TASK 120 PRELIMINARY SITE EVALUATION



Proposed Wayside Substation Property
(South Norwalk Electric and Water Transformer Storage Yard)
Dr. Martin Luther King Drive
Norwalk, CT

Prepared for:
Division of Environmental Compliance
Connecticut Department of Transportation
2800 Berlin Turnpike
Newington, CT 06111

July 2008

ON CALL ENVIRONMENTAL SERVICES
Conn DOT Project No. 0301-0072
Assignment No. 302-3551
DTC Project No. 03-273-42B

DIVERSIFIED TECHNOLOGY CONSULTANTS, INC.
NORTH HAVEN, CT, NORWICH, CT NEW ROCHELLE, NY & ANDOVER, MA

SIGNATURE PAGE

TASK 120 PRELIMINARY SITE EVALUATION

PROPOSED WAYSIDE SUBSTATION PROPERTY

Dr. MARTIN LUTHER KING DRIVE

NORWALK, CONNECTICUT

Ethan Stewart
Senior Environmental Scientist

A. Paul Dalakas
Environmental Project Manager

Richard C. Hathaway, L.E.P.
Manager, Environmental

TABLE OF CONTENTS

1.0 INTRODUCTION 1
- 1.1 Purpose of Study 1
- 1.2 Reason for Performing Preliminary Site Evaluation 1
- 1.3 Scope of Services 1

2.0 SITE OVERVIEW AND SITE VICINITY DESCRIPTION 2
- 2.1 Site Location and Tax Assessor's Identification 2
- 2.2 Current Use of Property 2
- 2.3 On-site Buildings and/or Structures 2
- 2.4 Site Utilities 2
- 2.5 Current Abutting Property Land Use and General Site Vicinity Description 2

3.0 GEOLOGIC AND PHYSIOGRAPHIC SETTING 3
- 3.1 Topography and Site Drainage 3
- 3.2 Surficial Geology 3
- 3.3 Bedrock Geology 3
- 3.4 Ground Cover 3
- 3.5 Wetlands 3
- 3.6 Groundwater 3
- 3.7 Surface Water 4
- 3.8 Flood Zones 4
- 3.9 Aquifer Protection Areas 4
- 3.10 Natural Diversity Database 4

4.0 INTERVIEW WITH SITE REPRESENTATIVE 5

5.0 SUMMARY OF SITE HISTORY 6
- 5.1 Sources of Historical Information 6
- 5.2 Previous Environmental Assessments Performed on the Subject Site 6
- 5.3 Site Ownership History 6
- 5.4 Historical Aerial Photographs 7
- 5.5 Sanborn Fire Insurance Company Maps 7
- 5.6 City Directories 7
- 5.7 Historical Topographic Maps 8

6.0 SITE OPERATIONS, HANDLING AND DISPOSAL OF REGULATED MATERIALS 9
- 6.1 Automobile Repair and Body Shop Operations and Waste Generation 9
- 6.2 Miscellaneous Chemicals and Petroleum Product Usage and Storage 9

7.0 ENVIRONMENTAL REGULATORY COMPLIANCE HISTORY 10
- 7.1 Sources of Information 10
  - 7.1.1 State and Federal Environmental Regulatory Review 10
  - 7.1.2 Municipal Agency Review 10
- 7.2 Regulatory Records Pertaining to the Subject Site 11
- 7.3 Records Pertaining to Upgradient Abutting and Nearby Properties 11
- 7.4 Municipal File Review and Interviews with Municipal Officials 11

8.0 SITE RECONNAISSANCE 12
- 8.1 General Observations, Buildings, and Structures 12
- 8.2 Hazardous Materials and Petroleum Product Storage/Use 12
- 8.3 Electrical Transformers and Hydraulic Fluid Containing Equipment 12
- 8.4 Pits, Ponds, or Lagoons 12
- 8.5 Pools of Liquid 12
- 8.6 Stained Soil, Pavement, and Concrete 12
- 8.7 Odors 12
- 8.8 Stressed Vegetation 13

TABLE OF CONTENTS

8.9 Solid Waste Dumping 13
8.10 On-site Wells 13
8.11 Septic Systems and Sanitary Sewer Connection 13
8.12 Storm Water Handling and/or Other Wastewater Sources 13
8.13 Floor Drains and Sumps 13

9.0 SUMMARY OF POTENTIAL RELEASE AREAS 14
10.0 TRANSFER ACT STATUS 15
11.0 CONCLUSIONS 16
12.0 RECOMMENDATIONS 17
13.0 LIMITATIONS 18
14.0 REFERENCES 19

FIGURES
Figure 1 Site Location Map
Figure 2 Site Plan Depicting Pertinent Site Features and Identified Potential Release Areas

APPENDIX A Photographs

APPENDIX B Pertinent File Review Documentation

1.0 INTRODUCTION

1.1 Purpose of Study

Diversified Technology Consultants, Inc. (DTC) was retained by the State of Connecticut Department of Transportation (ConnDOT) to conduct a Task 120 Preliminary Site Evaluation (PSE) for the Proposed Wayside Substation property located on Dr. Martin Luther King Drive in Norwalk, Connecticut. The purpose of this investigation is to identify and document on and off-site environmental concerns that may present a risk of subsurface contamination at the subject site.

This report renders an opinion as to whether the site would be considered an "Establishment" as defined under the Connecticut Property Transfer Act (Sections 22a-134 through 22a-134e of the Connecticut General Statutes).

The scope of work for this investigation was conducted in accordance with the ConnDOT Division of Environmental Compliance On-Call Contaminated Soil/Groundwater Scope for a Task 120: Preliminary Site Evaluation.

1.2 Reason for Performing Preliminary Site Evaluation

This Task 120 PSE was performed in connection with the proposed taking of the subject parcel for the construction of a wayside substation, as part of a ConnDOT railroad improvement project.

1.3 Scope of Services

The scope of this investigation included a review of available municipal, state, and federal records and existing historical records, a reconnaissance of the site and site vicinity by Ethan Stewart of DTC on May 23, 2008 and discussions with Fred M. Belinsky, an engineer with the South Norwalk Electric and Water (SNEW); the current site occupant.

2.0 SITE OVERVIEW AND SITE VICINITY DESCRIPTION

2.1 Site Location and Tax Assessor's Identification

According to information obtained from the City of Norwalk Tax Assessor's Office, the subject site is comprised of a 0.62-acre parcel of land addressed as Dr. Martin Luther King Drive (District 2, Block 68, Lot 41), that is currently owned by the City of Norwalk Second Taxing District. A copy of the parcel's Tax Assessor's field card is provided in Appendix B.

The subject site is located within the United States Geological Survey (USGS) Norwalk Connecticut quadrangle, south of the intersection of Lowe Street and Dr. Martin Luther King Drive. The location of the subject site is presented on Figure 1 (Site Location Map). The site and pertinent current and historic site features and abutting parcels are depicted on Figure 2.

2.2 Current Use of Property

The site is currently used by SNEW for storage of new and out-of-use electrical transformers, wire cables, and telephone poles.

2.3 On-site Buildings and/or Structures

As depicted on Figure 2, no on-site buildings currently occupy the site. The only current site development consists of two concrete pads used for the storage of electrical transformers.

2.4 Site Utilities

Currently, the only utility available to the site is electricity, provided by SNEW. The site is currently not connected to the public water or sanitary sewer.

2.5 Current Abutting Property Land Use and General Site Vicinity Description

The site vicinity consists of a mixture of residential and commercial properties. The site is abutted to the north and west by Amtrak railroad tracks, to the south by a residential property, and to the east by Dr. Martin Luther King Drive, with residential properties beyond the Drive.

3.0 GEOLOGIC AND PHYSIOGRAPHIC SETTING

3.1 Topography and Site Drainage

The site topography slopes gently to the south with a steep slope to the west. The elevation is approximately 50 feet above mean sea level.

Site drainage is primarily directed towards the south/southwest via overland flow. No municipal storm drainage systems were observed at the site.

3.2 Surficial Geology

According to the "Surficial Materials Map of Connecticut", dated 1992, surficial materials at the site consist of till with sand and gravel with stones generally less than six inches in diameter.

As part of a geotechnical study performed on behalf of ConnDOT, Washington Group International contracted with Associated Borings Company Inc. (Associated) to advance two geotechnical borings within the boundary of the site. The borings were advanced on April 23, 2008 to bedrock refusal depths of 37 and 43 feet below grade. According to the boring logs, surficial soils at the site consist of native medium to fine sand and coarse to fine gravel, with cobbles and silt. Non-native fill material containing pieces of brick and concrete slab fragments was encountered from the surface grade to a depth of approximately 20 feet below grade. The geotechnical boring logs have been included in Appendix B.

3.3 Bedrock Geology

According to the "Bedrock Geology Map of the Norwalk Quadrangle", the subject site is underlain by Trap Falls Formation, which is described as gray to silvery, partly rusty-weathering, medium grained schist. The area also is underlain by granite gneiss. No bedrock outcrops were observed during DTC's site inspection.

3.4 Ground Cover

The ground cover is primarily gravel, with two concrete pads located along the northern and southern site boundaries.

3.5 Wetlands

No evidence of wetlands was observed on-site at the time of the site reconnaissance. It should be noted that DTC did not conduct a formal wetland delineation as part of this evaluation.

3.6 Groundwater

Based on a review of the Water Quality Classifications Map of the Connecticut River and Southcentral Coastal Basins, adopted 1993, the Connecticut Department of Environmental Protection (CTDEP) has designated groundwater beneath the site as "GA" quality. Groundwater of this classification is defined by the CT DEP as "groundwater within the area of existing private water supply wells or an area with the potential to provide water to public or private water supply wells." The CT DEP presumes that groundwater within a "GA" area is suitable for drinking or other domestic uses without treatment. Groundwater was encountered at a depth if 21 to 22 feet

below grade, according to the boring logs prepared by Associated Borings during the geotechnical investigation. Based on surface topography and nearby surface water bodies groundwater is inferred by DTC to flow in a generally southwesterly direction.

3.7 Surface Water

An unnamed stream is located off-site, approximately 0.5 miles south/southwest of the site. The stream flows into Wilson Cove, which discharges to Long Island Sound located approximately 1.5 miles to the south of the site. According the above referenced CTDEP map, Long Island Sound is classified as "SB/SA" surface water body. The Class "SB/SA" designation indicates a coastal and marine water body known or presumed to meet water quality criteria for fish and wildlife habitat, industrial and agricultural supply, and other legitimate uses including navigation.

3.8 Flood Zones

DTC reviewed the Flood Insurance Rate Map (FIRM) (Community Panel No. 090012 0010C), dated August 19, 1986, at the City of Norwalk Clerk's Office. The FIRM map indicated that the subject site is located in Zone C (area of minimal flooding).

3.9 Aquifer Protection Areas

According to the CTDEP Aquifer Protection Areas Map for the City of Norwalk and surrounding area, dated November 14, 2007, the site does not lie within an aquifer protection area or preliminary aquifer protection area.

3.10 Natural Diversity Database

According to the CTDEP Natural Diversity Database Map for the City of Norwalk and surrounding area, dated December 2007, there are no natural communities of concern located on the subject site.

4.0 INTERVIEW WITH SITE REPRESENTATIVE

Ethan Stewart of DTC interviewed Mr. Fred M. Belinsky, an engineer with the South Norwalk Electric and Water Company (SNEW) on May 23, 2008. DTC also completed a site inspection, accompanied by Mr. Belinsky. During the interview and site reconnaissance, Mr. Belinsky indicated that SNEW was permitted to occupy the property early in 1994 as part of an agreement with the City of Norwalk in return for the City's taking of SNEW's business office on located State Street. The fencing and the concrete pads were installed late 1994 and early 1995, according to Mr. Belinsky.

To Mr. Belinsky's knowledge, there never has been any PCB-containing or PCB-contaminated transformers (belonging to SNEW or others) stored at the site. Mr. Belinsky indicated that the majority of the pad-mount and pole-mount transformers are new units. SNEW reportedly receives them directly from the manufacturer pre-filled with non-PCB mineral based oil. According to Mr. Belinsky, the only non-new transformers stored on the site have been non-PCB units which have failed, and have subsequently been removed from service. He indicated that the transformers are emptied prior to transport and staging at the site.

Mr. Belinsky indicated that he was not aware of any environmental liens or other use restrictions for the site. To his knowledge, there were no USTs at the site, and he is not aware of any hazardous waste generation or disposal at the site.

5.0 SUMMARY OF SITE HISTORY

5.1 Sources of Historical Information

The objective of the historical review was to develop a history of previous land usage at the subject site and within the immediate site vicinity. The following sources of information were researched:

- City of Norwalk Tax Assessor and Town Clerk's records, to establish chain of ownership.
- Aerial photographs dated 1951, 1970, 1985, and 2005 provided by FirstSearch Technology Corporation (FirstSearch);
- Sanborn Fire Insurance Maps dated 1906, 1912, 1922, 1950, and 1958 provided by FirstSearch;
- Historic City Directories, reviewed at the City of Norwalk Public Library dated 1931, 1934, 1935, 1938, 1942, 1954, 1961, 1965, 1970, 1976, 1980, 1985, 1990, 1995, 2000, and 2005.
- Historic USGS topographic maps dated 1947 and 1951.

5.2 Previous Environmental Assessments Performed on the Subject Site

No previous environmental assessments have been reported at the site.

5.3 Site Ownership History

The following site ownership history was obtained through review of the Tax Assessor's field card and property deeds at the City of Norwalk Clerk's Office. A formal title search was not completed as part of this investigation.

Grantor	Grantee	Volume	Page	Date
The New York, New Haven, and Hartford Railroad Company (Quit Claim Deed)	St. Ann's Club (Social Club)	350	187	3/10/1950
The New York, New Haven, and Hartford Railroad Company (Quit Claim Deed)	Michael and Mary R. Passarelli	368	637	10/1/1951
The New York, New Haven, and Hartford Railroad Company (Quit Claim Deed)	Michael and Mary R. Passarelli	679	511	5/4/1956
The State of Connecticut (Supplemental Agreement)	City of Norwalk	2595	296	
City of Norwalk	Second Taxing District of the City of Norwalk	3443	213	12/23/97

No environmental liens or land use restrictions pertaining to the subject site were identified.

5.4 Historical Aerial Photographs

The 1951 aerial photograph depicts the St. Ann's Club on the property, along with two additional structures that appear to be garages. The site vicinity appears to be residential.

In the 1970 aerial photograph, the subject site appears to be similar to the 1951 aerial photograph.

The 1985 aerial photograph depicts all former on-site buildings as demolished and not replaced. The 1985 photograph also depicts former Ely Avenue as reconfigured to the current Martin Luther King Drive. The adjoining properties to the south appear to be developed with residential and commercial structures.

The 2005 aerial photograph depicts the subject site as similar to the 1985 aerial photograph, with the exception that overgrown vegetation is evident along the western and southern site boundaries.

5.5 Sanborn Fire Insurance Company Maps

The 1906 Sanborn map depicts no structures on the site. Residential structures are depicted in the vicinity of the site and the railroad, to the west and north.

The 1912 Sanborn map appears similar to the 1906 map.

The 1922 Sanborn map appears similar to the 1906 and 1912 maps.

The 1950 Sanborn map depicts three structures on the site. St. Ann's Club (Structure 1) is the northern building, a structure depicted as a filling station (Structure 2) to the south of St. Ann's Club. A garage is the southern structure (Structure 3). Residential structures are depicted in the vicinity of the site and the railroad is depicted to the west and north.

The 1958 Sanborn map depicts the St. Ann's building and Structure 2. Structure 2 appears to have an addition to the west. The garage (Structure 3), shown in 1950, apparently has been razed. An auto repair building is depicted abutting the site, to the south.

5.6 City Directories

DTC reviewed available historical city directories available at the City of Norwalk Public Library. Based on a review of the directories, the site vicinity was residential and commercial through this time period.

The following table summarizes the results of the historical city directories review and lists the former occupants of the site.

Year	Address	Occupant
1931	162 Ely Avenue	No Listing
1934	162 Ely Avenue	No Listing
1935	162 Ely Avenue	No Listing
1938	162 Ely Avenue	No Listing
1942	162 Ely Avenue	St. Ann's Club
1954	162 Ely Avenue	St. Ann's Club
1954	164 Ely Avenue	Passarelli M, gasoline
1961	162 Ely Avenue	St. Ann's Club
1965	162 Ely Avenue	St. Ann's Club
1970	162 Ely Avenue	St. Ann's Club

1976	162 Ely Avenue	St. Ann's Club
1980	Martin Luther King Drive	No Listing
1985	Martin Luther King Drive	No Listing
1990	Martin Luther King Drive	No Listing
1995	Martin Luther King Drive	No Listing
2000	Martin Luther King Drive	No Listing
2005	Martin Luther King Drive	No Listing

5.7 Historical Topographic Maps

DTC reviewed historical USGS topographic maps available through the University of New Hampshire online library. The 1947 and 1951 topographic maps depict multiple residential structures along Ely Avenue. No structures are depicted on-site in the 1947 map; however, the 1951 map depicts a structure on the property.

6.0 SITE OPERATIONS, HANDLING AND DISPOSAL OF REGULATED MATERIALS

The following history of oil and chemical usage and waste generation at the site was developed based on the interview conducted with Mr. Belinsky, a review of the CTDEP Hazardous Waste Manifest Database, and records obtained at the City of Norwalk Fire Marshals' office.

6.1 Automobile Repair and Body Shop Operations and Waste Generation

No automobile or body shop repair activities appear to have been performed at the site. Also, no hazardous waste generation or storage apparently occurred at the site.

6.2 Miscellaneous Chemicals and Petroleum Product Usage and Storage

Miscellaneous Chemicals

No use or storage of miscellaneous chemicals apparently occurred at the site.

Historic Petroleum Products Usage and Storage

There have been no reported uses of petroleum products, and no above-ground or underground storage tank (ASTs or USTs) are currently present on the site. No evidence was found regarding the existence of historic ASTs or USTs at the St. Ann's Club, which occupied the site from approximately 1940 to 1980. The heating fuel used at the St. Ann's Club is not known, therefore petroleum ASTs or USTs may potentially have existed. The building south of the St. Ann's Club (structure 2) is depicted as a "filling station" on the 1950 and 1958 Sanborn Fire Insurance Maps. Therefore, it is reasonable that gasoline USTs and dispensers previously existed on-site.

7.0 ENVIRONMENTAL REGULATORY COMPLIANCE HISTORY

7.1 Sources of Information

7.1.1 State and Federal Environmental Regulatory Review

DTC contracted with FirstSearch to perform an electronic radius database search of state and federal environmental databases. In accordance with the 2003 Division of Environmental Compliance On-call Contaminated Soil/Groundwater Scopes manual, a copy of the FirstSearch report is not included in this report. The report, dated May 21, 2008, reviewed the following databases for the site and site vicinity within the specified search radii:

- Federal National Priority List (NPL) updated April 7, 2008, 1-mile radius;
- Federal Delisted NPL list updated April 7, 2008, 1-mile radius;
- Federal CERCLIS list updated April 22, 2008, 0.5-mile radius;
- Federal CERCLIS No Further Remedial Action Planned (NFRP) sites list updated April 22, 2008, 0.25-mile radius;
- Federal Resource Conservation and Recovery Act (RCRA) sites (Generators (GEN) within 0.25-mile radius; Treatment, Storage, and Disposal facilities (TSD) within 0.5-mile radius; Corrective Action (COR) sites within 1.0-mile radius; and No Longer Regulated (NLR) sites within 0.25-mile radius – lists updated April 1, 2008;
- Emergency Response Notification System (ERNS) sites list updated December 31, 2007, 0.25-mile radius;
- State and Tribal Hazardous Waste sites (NPL equivalent) list updated February 13, 2008, 1.0-mile radius;
- State and Tribal Hazardous Waste sites (CERCLES equivalent) list updated September 18, 2007, 0.5 mile radius;
- State Spill Sites – 1990-2007 list updated March 20, 2008, 0.25-mile radius;
- State and Tribal Registered UST list updated March 28, 2008, 0.25-mile radius; and
- State and Tribal Leaking USTs (LUST) list updated January 1, 2008, 0.25-mile radius.

7.1.2 Municipal Agency Review

A representative of DTC reviewed readily available files maintained by the City of Norwalk municipal offices concerning the subject parcel. The following municipal offices were visited on May 23, 2008 for the purposes of reviewing available files and interviewing municipal official knowledgeable of the subject site.

- Town Clerk;
- Tax Assessor;
- Engineering Department;
- Fire Marshal;
- Norwalk Health District;
- Building Department; and

- Planning & Zoning Department.

7.2 Regulatory Records Pertaining to the Subject Site

No results pertaining to the subject site were listed in the FirstSearch report.

DTC visited the DEP file room as part of this investigation. The following files were reviewed; Oil and Chemical Spills Response Division, Waste Management Bureau, Water Management Bureau, Transfer Act Files, and the State of Connecticut DEP Hazardous Waste Manifest Database, which contains manifests from January 1, 1984 through December 31, 2007. Hazardous wastes listed on the manifests included waste paint related material, flammable liquid, liquid containing toluene and xylene, combustible liquid, petroleum distillates, caustic alkali liquid, and flammable and corrosive liquid. No information was found pertaining to the subject site.

7.3 Records Pertaining to Upgradient Abutting and Nearby Properties

Based on the results of the FirstSearch report, three records were identified within approximately one-tenth mile of the subject site (see Appendix A). The following property is located in the immediate site vicinity; therefore, releases from it have the potential to impact the subject site.

- *182 Martin Luther King Drive (Wrinns Auto Body)* – This property abuts the subject site to the south. The parcel is listed as a RCRA generator for waste paint related material, ignitable waste.

7.4 Municipal File Review and Interviews with Municipal Officials

Property ownership information obtained from the City of Norwalk Tax Assessor and Clerk's office is discussed in Section 5.3.

Records of environmental concern regarding the site were not identified at the Municipal Departments.

8.0 SITE RECONNAISSANCE

Ethan Stewart of DTC completed a reconnaissance of the subject property on May 23, 2008. The walkover was performed to observe current site conditions, adjacent property usage, and to visually inspect the site for evidence of the presence/usage/spillage of hazardous substances/wastes and or regulated compounds. Pertinent site features are shown on Figure 2 and photographs are included in Appendix A. Details regarding the site reconnaissance are provided below.

8.1 General Observations, Buildings, and Structures

The majority of the site is relatively flat with a slope to the south and a steep slope to the west. The majority of the site is gravel or bare earth, with some vegetation. Two concrete pads are present within the extreme northern and southern portion of the property. A chain link fenced surrounds the entire property. No buildings are located on the property. A wooded slope is to the west of the site, Martin Luther King Drive is to the north and east, and a residential home is located south of the site.

As discussed in Section 2.2 and 4.0, the site is occupied by SNEW and is used and a storage yard for non-PCB containing transformers, telephone poles, and wire/cable.

8.2 Hazardous Materials and Petroleum Product Storage/Use

Non-PCB containing transformers are stored primarily on two concrete pads, however some random transformers are along the western property boundary, not on a concrete pad. The transformers are stored on the property by SNEW for use, when needed. Decommissioned transformers that are brought to the subject parcel are drained prior to bringing on-site.

8.3 Electrical Transformers and Hydraulic Fluid Containing Equipment

Multiple electrical transformers are stored on concrete pads on the site property, containing non-PCB fluid.

8.4 Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were observed on-site at the time of the site visit.

8.5 Pools of Liquid

No pools of liquid were observed at the time of the site visit.

8.6 Stained Soil, Pavement, and Concrete

No stained soil, pavement, and concrete were observed at the time of the site visit.

8.7 Odors

No odors were noted during the site visit.

8.8 Stressed Vegetation

Areas of stressed vegetation were not noted.

8.9 Solid Waste Dumping

No solid waste dumping was observed at the time of the site visit

8.10 On-site Wells

No on-site wells were observed at the time of the site visit.

8.11 Septic Systems and Sanitary Sewer Connection

No evidence of septic systems was observed during the site visit.

8.12 Storm Water Handling and/or Other Wastewater Sources

No storm water handling or other sources of wastewater were identified at the site.

8.13 Floor Drains and Sumps

No floor drains or sumps were observed at the site.

9.0 SUMMARY OF POTENTIAL RELEASE AREAS

Based on information obtained during the completion of this Task 120 PSE, five on-site Potential Release Areas (PRAs) and one off-site PRA were identified at the site, as summarized in the table below.

Summary of Areas of Potential Release Areas
Proposed Wayside Substation Property – Dr. Martin Luther King Drive, Norwalk, CT

Potential Release Areas (PRAs)	Description	Substance(s) of Concern	Potential/Confirmed Release Mechanism(s)
PRA 1	Potential releases of dielectric fluid from on-site transformer storage	petroleum hydrocarbons, PCBs	The potential exists for incidental spills or leaks of dielectric fluid to concrete pads and site soil.
PRA 2	Potential releases from on-site chemically-treated telephone pole storage	petroleum hydrocarbons , PAHs, pentachlorophenol, creosote, lead, and arsenic	Potential releases of petroleum hydrocarbons, PAHs, metals, and/or creosote to soil (and groundwater) from chemically-treated telephone poles stored in the southwestern portion of the site.
PRA 3	Potential releases from historic on-site petroleum ASTs/USTs	VOCs, petroleum hydrocarbons, metals, and PAHs	Potential releases of VOCs, petroleum hydrocarbons, metals, and/or PAHs to soil (and groundwater) from historic ASTs/USTs associated with former site buildings and potential gasoline USTs from the former filling station.
PRA 4	Potential releases of lead-based paint (LBP) to surficial site soils	lead	Potential deposition of flaking lead-based paint (former building structures located on-site).
PRA 5	Potential fill material of unknown quality	metals, PAHs, VOCs, PCBs, petroleum hydrocarbons	Urban fill containing ash, cinders, slag, or other regulated compounds may have historically been placed at the site prior to or during site development.
PRA 6	Potential site groundwater impact from off-site abutting auto body shop	VOCs, petroleum hydrocarbons	Potential site groundwater impact associated with potential releases from off-site southern abutting auto body shop

10.0 TRANSFER ACT STATUS

Connecticut General Statutes (CGS) section 22a-134 ("the Transfer Act") defines an Establishment as any real property at which or any business operation from which: (A) on or after November 19, 1980, there was generated, except as the result of remediation of polluted soil, groundwater, or sediment more than 100 kilograms of hazardous waste in any one month; (B) hazardous waste generated at a different location was recycled, reclaimed, reused, stored, handled, treated, transported, or disposed of; (C) the process of dry cleaning was conducted on or after May 1, 1967; (D) furniture stripping was conducted on or after May 1, 1967; or (E) a vehicle body repair facility was located on site on or after May 1, 1967.

Based on information obtained by DTC during completion of this Task 120 PSE, the site does not meet the definition of an Establishment.

11.0 CONCLUSIONS

DTC has performed a Task 120 PSE for the proposed Wayside Substation Property located at Dr. Martin Luther King Drive in Norwalk, Connecticut. The site is comprised of a 0.62-acre parcel of land, currently owned by the City of Norwalk Second Taxing District, which is currently utilized by the South Norwalk Electric and Water Company (SNEW) for storage of new and out-of-use electrical transformers, wire cables, and telephone poles. From approximately 1940 to 1978, the site was occupied by three building structures, including the St. Ann's Social Club. A gasoline "filling station" may have been present during the 1950's. Apparently, sometime after 1978, the site buildings were demolished and the site was converted to a storage lot.

Based on the findings of this Task 120 PSE, five on-site Potential Release Areas (PRAs) and one off-site PRA were identified at the site. Details regarding the PRAs are summarized in Section 9.0.

The PRAs include the following:

PRA 1 Potential releases of dielectric fluid from on- site transformer storage

PRA 2 Potential releases from on-site chemically-treated telephone pole storage

PRA 3 Potential releases from historic on-site petroleum ASTs/USTs

PRA 4 Potential releases of lead-based paint (LBP) to surficial site soils

PRA 5 Potential fill material of unknown quality

PRA 6 Potential site groundwater impact from off-site southern abutting auto body shop

Based on information obtained by DTC during completion of this Task 120 PSE, the site does not meet the definition of an Establishment.

12.0 RECOMMENDATIONS

According to preliminary plans provided by ConnDOT, the site will be used to construct a wayside substation, as part of a ConnDOT railroad improvement project.

Based on the findings of the Task 120 PSE, prior to the commencement of construction, DTC recommends the completion of a limited Task 210 Subsurface Site Investigation (SSI). The limited Task 210 SSI will consist of soil sampling within the horizontal and vertical limits of planned construction to determine if soil contains regulated compounds (as listed in Section 9.0) at concentrations exceeding the applicable soil clean-up criteria in the RSRs.

Based on the geotechnical study performed on behalf of ConnDOT by Washington Group International, groundwater was encountered at a depth if 21 to 22 feet below grade. Relying on this information, and preliminary construction plans for the site, groundwater will not be encountered during planned construction; therefore, groundwater sampling and analysis does not appear to be warranted.

As part of the limited Task 210 SSI, DTC also recommends the completion of a ground-penetrating radar (GPR) survey in an attempt to determine the possible presence of USTs and/or other subsurface anomalies associated with former on-site site buildings, including the former filling station. An additional purpose of the GPR survey would be to attempt to locate any catch basin drainage or subsurface utility lines so they are not punctured/damaged during the drilling and construction activities.

13.0 LIMITATIONS

This report is subject to the following limitations:

The purpose of this Task 120 PSE was to assess the physical characteristics of the subject site with respect to the presence of hazardous/regulated materials/waste/substances as defined in Connecticut General Statutes Section 22a-452. No specific attempt was made to check the compliance of present or past owners or operators of the site with federal, state, or municipal laws and regulations, environmental or otherwise.

This Task 120 PSE was prepared based on DTC's observations of current site conditions, interviews of certain individuals with knowledge of current and historic use of the property, a review of information provided by the state and municipal officials, information and representations made by other parties, and on information contained in the files of state and municipal agencies made available to DTC at the time of the site assessment. To the extent that such files are missing, incomplete, or not provided, DTC is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, DTC did not attempt to verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

The interpretation of the information obtained in this report relies on professional judgment. In certain cases, two competent professionals may reach different conclusions after interpreting the same data.

This site assessment did not include the sampling of groundwater, surface water, soil vapor, waste, or air. This Task 120 PSE also did not include assessment for potential building toxins such as lead-based paint, asbestos, mold, etc.

Information on past ownership of the property is based on DTC's review of municipal records and should not be considered a formal title search.

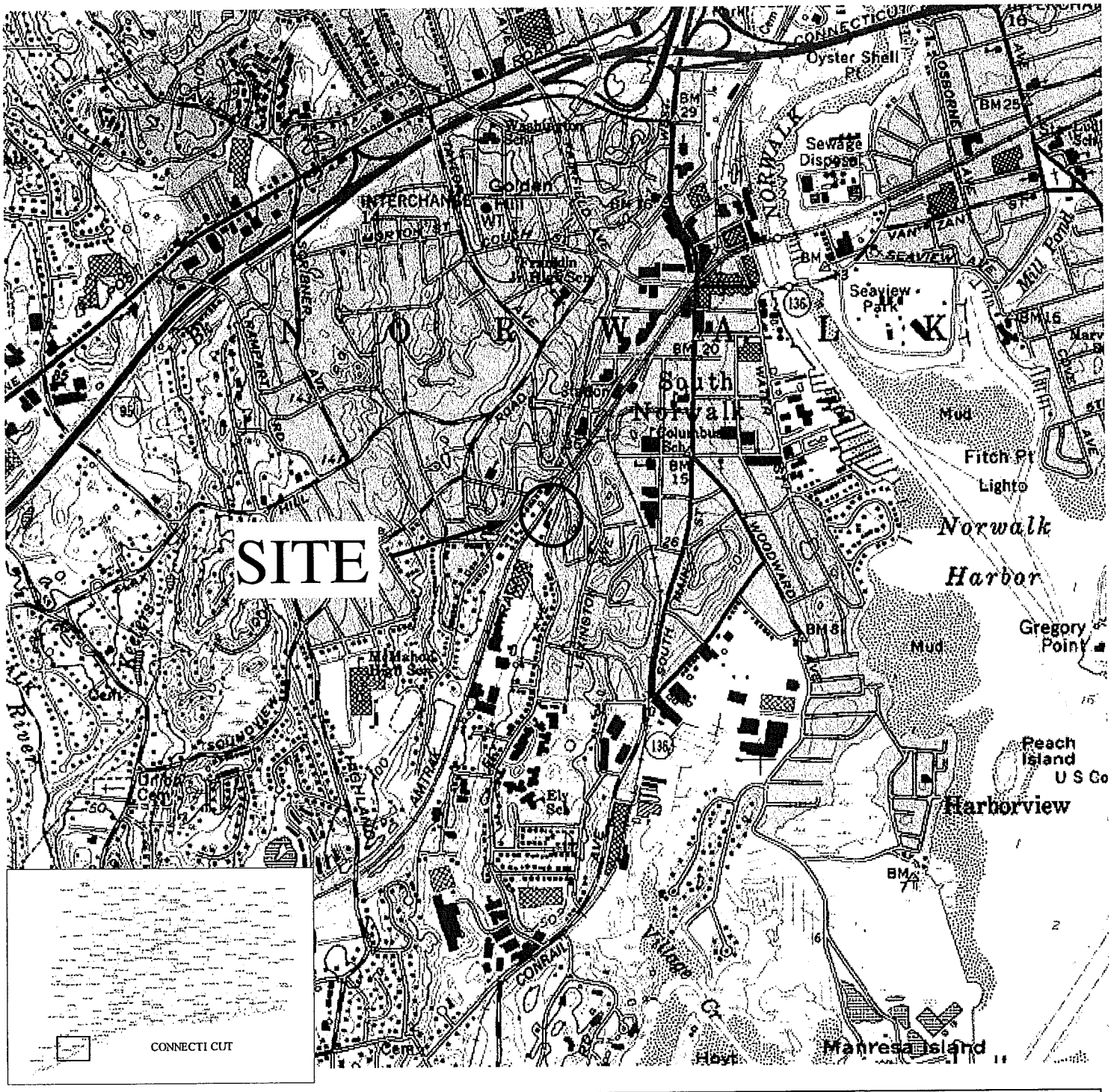
This report was prepared for the exclusive use of ConnDOT, for the sole purpose described in the beginning of this section. The findings and conclusions presented in this report may not be valid in a context other than the stated purpose of this Task 120 PSE. If conditions or activities on or near the site change, the conclusions in this report may no longer be valid. DTC should be made aware of such changes so that the conclusions presented in this report may be modified (if necessary).

DTC's work presented herein was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and DTC observed that degree of care and skill generally exercised by other consultants under similar circumstances and conditions. DTC's findings and conclusions must be considered not as scientific certainties, but as a professional opinion concerning the significance of the limited data gathered during the completion of this Task 120 PSE. Specifically, DTC does not and cannot represent that the site contains no hazardous material, oil, or other latent condition beyond that observed by DTC during completion of this Task 120 PSE.

14.0 REFERENCES

1. Soil Boring Logs, April 23, 2008, Associated Borings Company, Inc.
2. "Water Quality Classifications Map of the Connecticut and Southcentral Coastal Basins ", adopted 1993, CTDEP.
3. "Connecticut Aquifer Protection Areas Map", dated November 14, 2007, CTDEP Water Management Bureau.
4. "Natural Diversity Database Map", City of Norwalk and Surrounding Area, dated December 2007, CTDEP.
5. "Flood Insurance Rate Map, City of Norwalk, CT", Community Panel No. 090012 0010C, dated August 1986, FEMA.
6. "Environmental FirstSearch Report", dated May 21, 2008, FirstSearch Technology Corporation.
7. Aerial photographs dated 1951, 1970, 1985 and 2005, provided by FirstSearch.
8. Sanborn Fire Insurance Maps, dated 1906, 1912, 1922, 1950 and 1958, provided by FirstSearch.
9. Historical City Directories, dated 1931, 1934, 1935, 1938, 1942, 1942, 1954, 1961, 1965, 1970, 1976, 1980, 1985, 1990, 1995, 2000 and 2005, provided by the City of Norwalk Public Library.
10. "Connecticut Bedrock and Natural History Survey", dated 1985, Connecticut Geological and Natural History Survey, Department of the Interior United States Geological Survey (USGS).
11. "Surficial Materials Map of Connecticut", dated 1992, Stone, J., USGS.
12. Historical Topographic Maps dated 1947 and 1951, USGS.

FIGURES



USGS Quadrangle:, Norwalk

1 inch = 2,000 feet

Site Location Map

Proposed Wayside Substation Property

Dr. Martin Luther King Drive

Norwalk, Connecticut

DTC Project No. 03-273-42B

July 2008

Figure 1

Diversified Technology Consultants
556 Washington Avenue North Haven CT 06473
Norwich, CT New Rochelle, NY Andover, MA

POTENTIAL RELEASE AREAS (PRA)

PRA 1 *Potential releases of dielectric fluid from on-site transformer storage*
PRA 2 *Potential releases from on-site chemically-treated telephone pole storage*
PRA 3 *Potential releases from historic on-site petroleum ASTs/USTs (entire site)*
PRA 4 *Potential releases of lead-based paint (LBP) to surficial site soils (entire site)*
PRA 5 *Potential fill material of unknown quality (entire site)*
PRA 6 *Potential site groundwater impact from off-site southern abutting auto body shop (entire site)*

CONCRETE TRANSFORMER STORAGE PAD

AMTRAK RAILROAD

WRINN'S AUTOBODY SHOP (PRA-6)

WIRE/CABLE STORAGE AREA

SITE BOUNDRY

N

TRANSFORMERS STORAGE AREA (PRA-1)

TRANSFORMERS STORAGE AREA (PRA-1)

CONCRETE TRANSFORMER STORAGE PAD

TELEPHONE POLE STORAGE AREA (PRA-2)

FORMER STRUCTURE 3

FORMER STRUCTURE 2 (FILLING STATION) (APPROXIMATE LOCATION/SIZE)

FORMER STRUCTURE 1 (ST. ANN'S CLUB) (APPROXIMATE LOCATION/SIZE)

DR. MARTIN LUTHER KING DRIVE

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)

DTC PROJECT NUMBER: 03273-42B
DTC DRAWING FILE: ...\42B\Fig. 2-Character.dwg
SCALE: 1"=30 DRAWN BY: CS
DATE: 7-1-08 CHECKED BY: ES

dtc

DIVERSIFIED TECHNOLOGY CONSULTANTS
556 WASHINGTON AVENUE NORTH HAVEN CT 06473
203 239 4200 203 234 7376 FAX

SITE PLAN DEPICTING PERTINENT SITE FEATURES AND IDENTIFIED POTENTIAL RELEASE AREAS

TASK 120 PRELIMINARY SITE EVALUATION

PROPOSED WAYSIDE SUBSTATION PROPERTY

DR. MARTIN LUTHER KING DRIVE
NORWALK CT

FIGURE 2

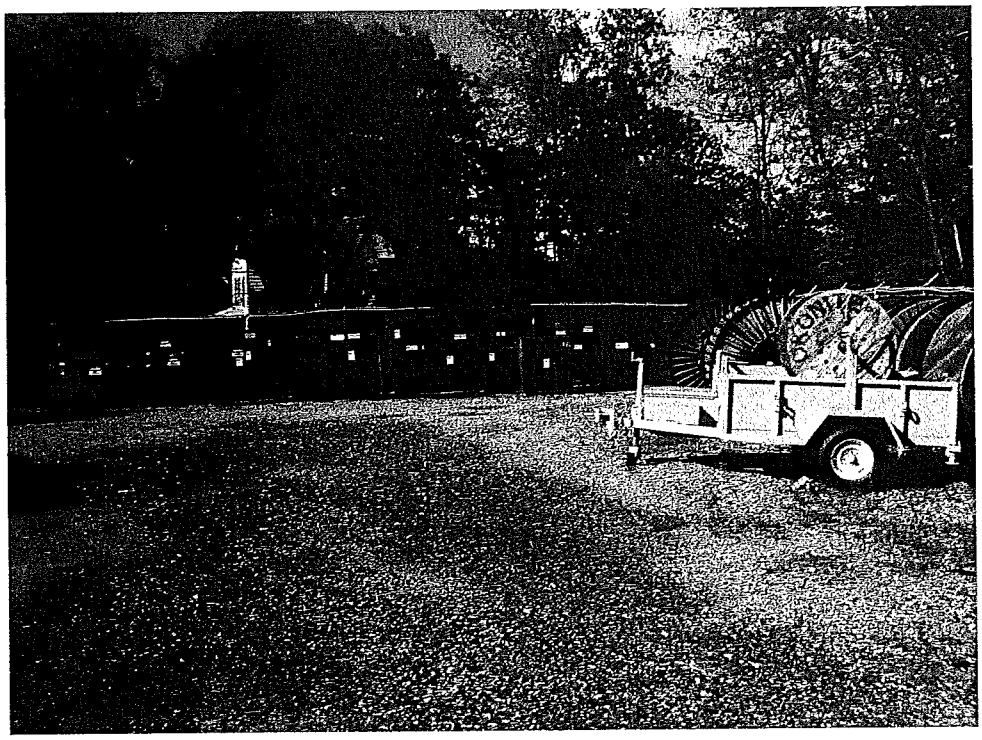


PHOTO 1
May 23, 2008

View of transformers along the southern site boundary, facing south.

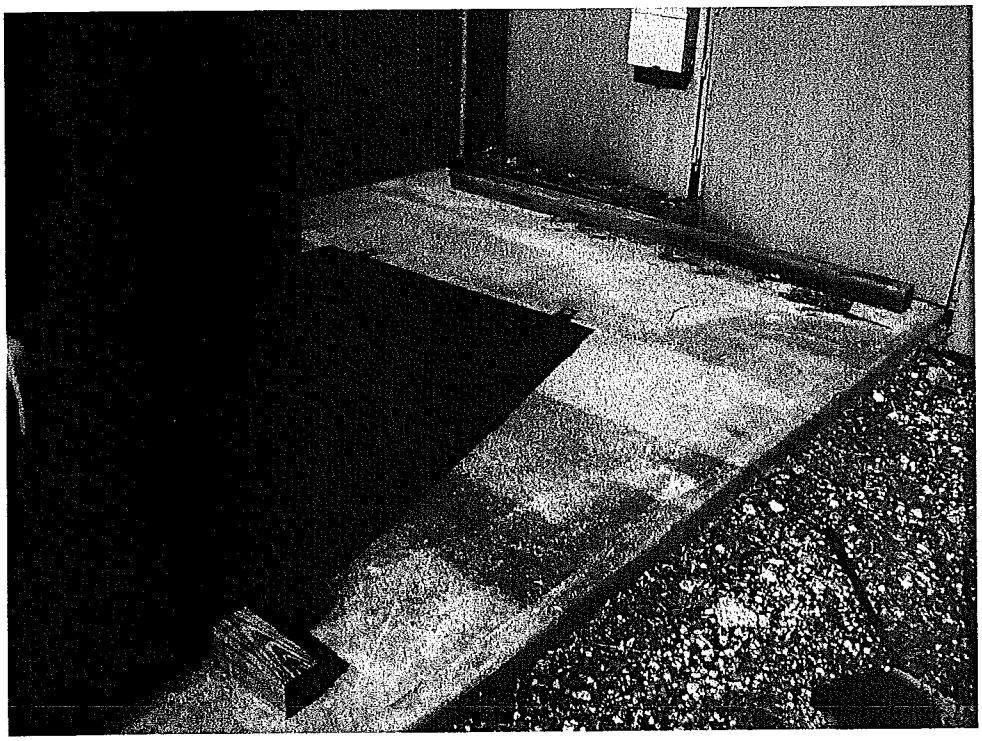


PHOTO 2
May 23, 2008

View of portion of the southern concrete transformer storage pad.

ENGINEERED SOLUTIONS
dtc
LAND STRUCTURES WATER
DIVERSIFIED TECHNOLOGY CONSULTANTS
556 WASHINGTON AVENUE NORTH HAVEN CT 06473 203 239 4200 203 234 7376 FAX

DTC No. 03-273-42B
Proposed Wayside Substation Property
Dr. Martin Luther King Drive
Norwalk, Connecticut

PLATE 1

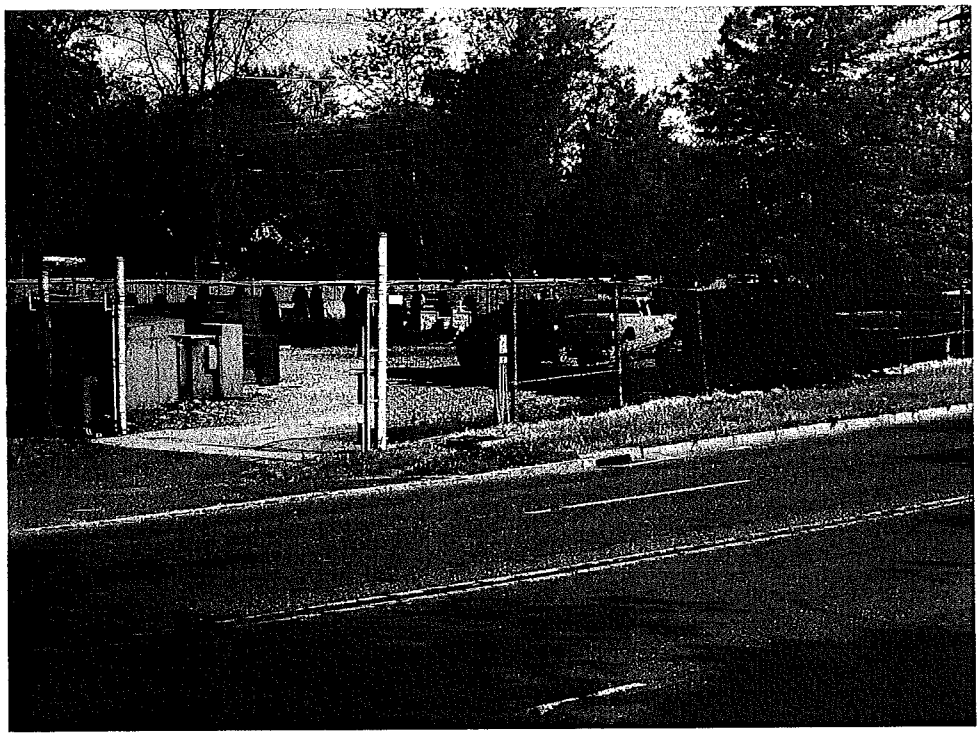


PHOTO 3
May 23, 2008

View of site entrance, facing northwest.

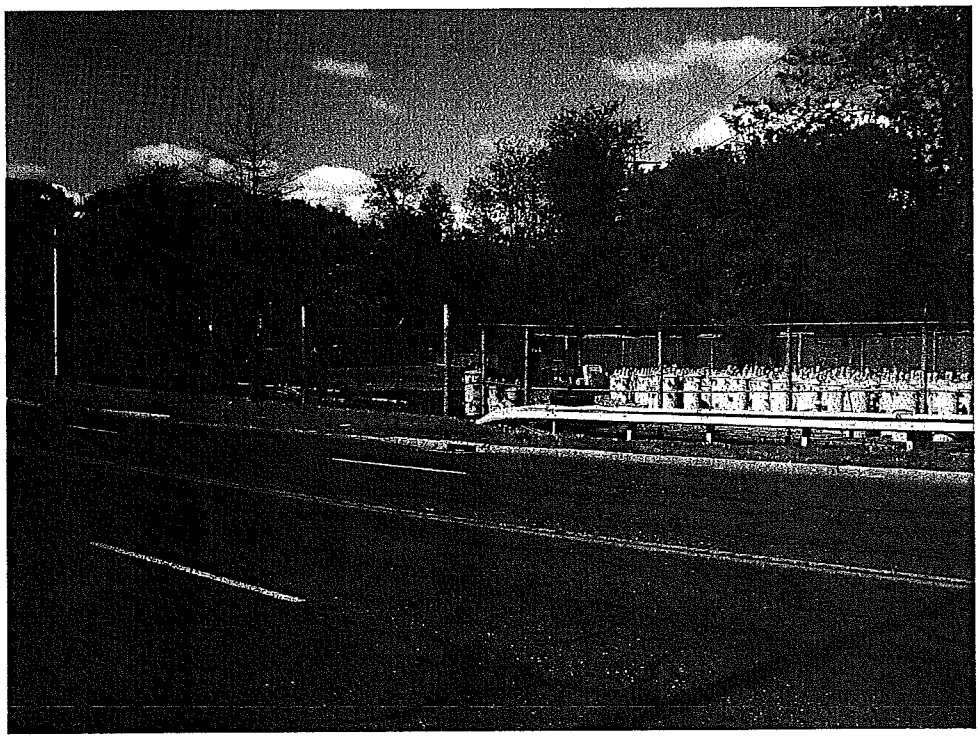


PHOTO 4
May 23, 2008

View of site, facing southwest.

ENGINEERED SOLUTIONS
dtc
LAND STRUCTURES WATER
DIVERSIFIED TECHNOLOGY CONSULTANTS
556 WASHINGTON AVENUE NORTH HAVEN CT 06473 203 239 4200 203 234 7376 FAX

DTC No. 03-273-42B
Proposed Wayside Substation Property
Dr. Martin Luther King Drive
Norwalk, Connecticut

PLATE 2

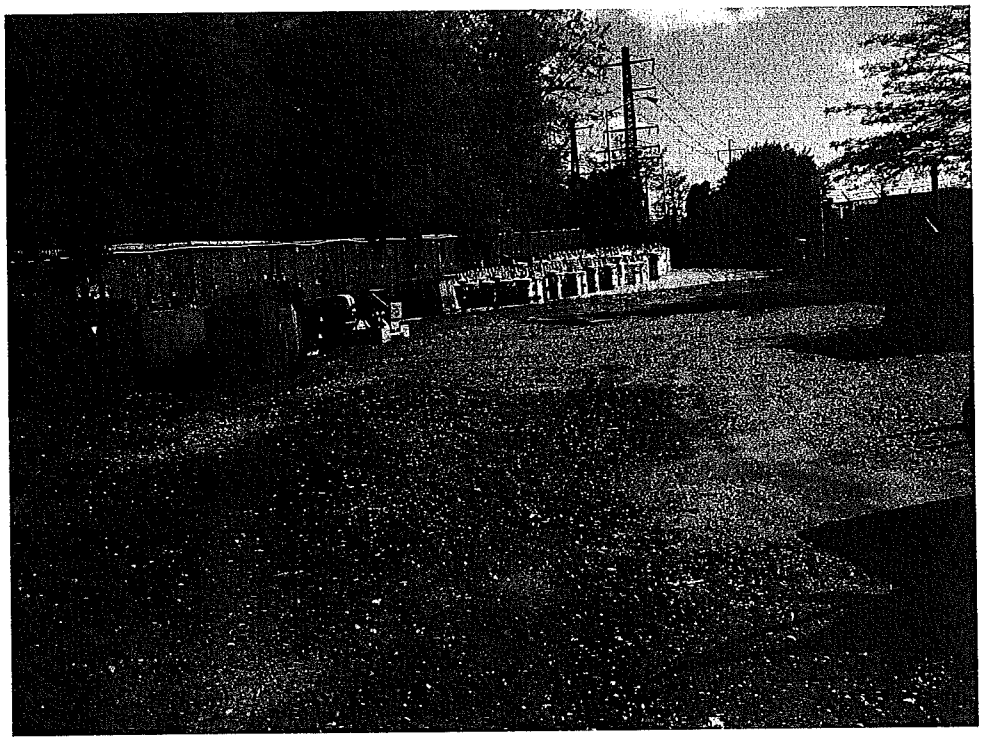


PHOTO 5
May 23, 2008

View of northern concrete transformer storage pad, facing north.

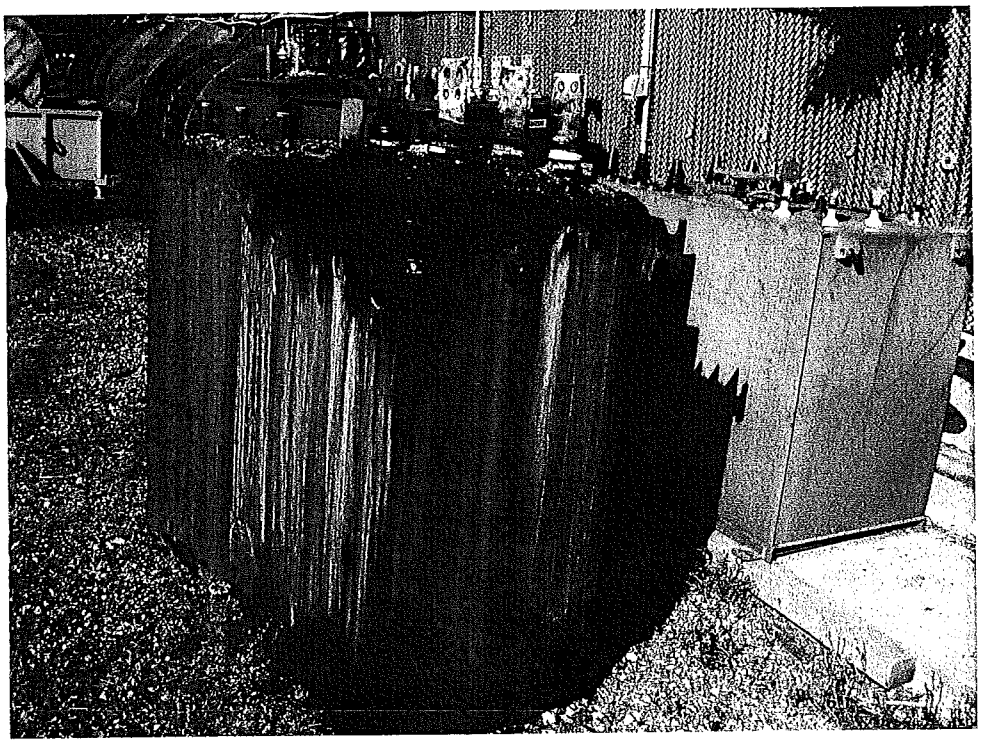


PHOTO 6
May 23, 2008

View of out-of-use transformer.

ENGINEERED SOLUTIONS
dtc
LAND STRUCTURES WATER
DIVERSIFIED TECHNOLOGY CONSULTANTS
556 WASHINGTON AVENUE NORTH HAVEN CT 06473 203 239 4200 203 234 7376 FAX

DTC No. 03-273-42B
Proposed Wayside Substation Property
Dr. Martin Luther King Drive
Norwalk, Connecticut

PLATE 3

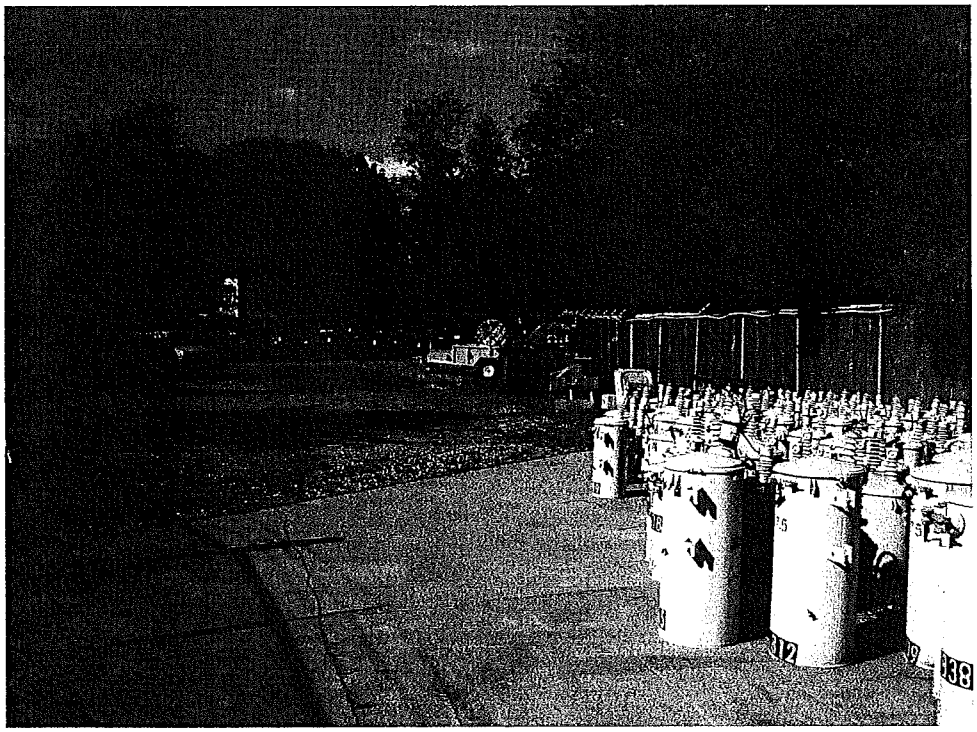


PHOTO 7
May 23, 2008

View of northern concrete transformer storage pad, facing south.

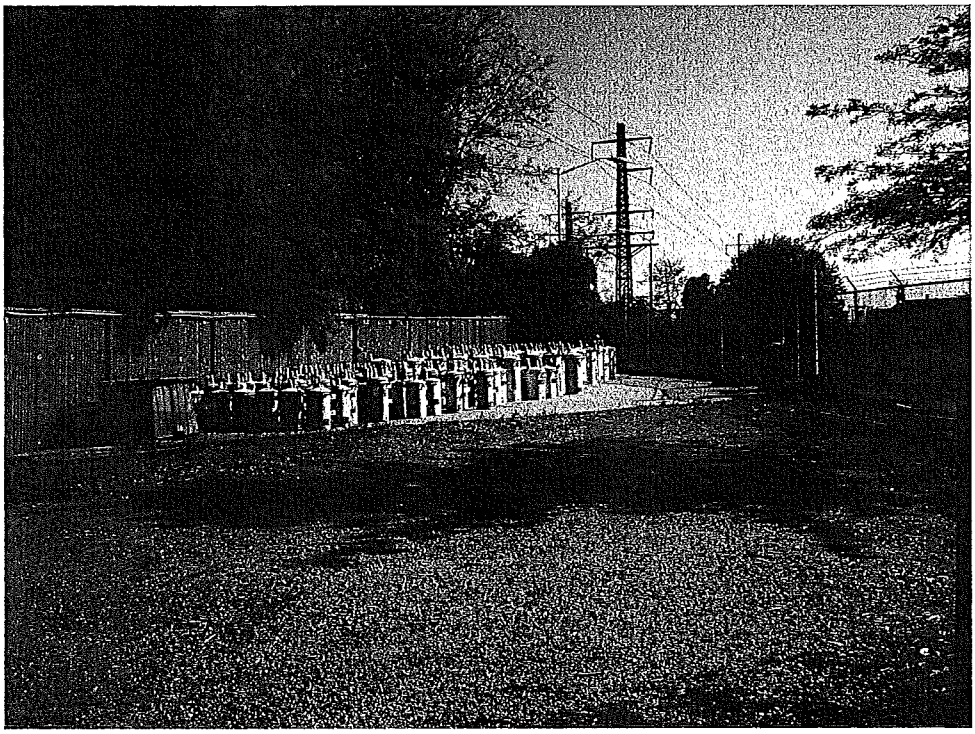


PHOTO 8
May 23, 2008

View of northern portion of site, facing north.

ENGINEERED SOLUTIONS
dtc
LAND STRUCTURES WATER
DIVERSIFIED TECHNOLOGY CONSULTANTS
556 WASHINGTON AVENUE NORTH HAVEN CT 06473 203 239 4200 203 234 7376 FAX

DTC No. 03-273-42B
Proposed Wayside Substation Property
Dr. Martin Luther King Drive
Norwalk, Connecticut

PLATE 4

APPENDIX B

Pertinent File Review Documentation

2	68	41		1	[5732]
DISTRICT	BLOCK	LOT	UNIT	CARD	

City of Norwalk

Patriot Properties Inc.

PROPERTY LOCATION

No	Alt No	Direction/Street/City
		DR. MARTIN LUTHER KING JR, NOR

OWNERSHIP

Owner 1:	SECOND TAXING DISTRICT
Owner 2:	CITY OF NORWALK
Owner 3:	
Street 1:	P.O. BOX 468
Street 2:	
Twn/City:	NORWALK
St/Prov:	CT Cntry: Own Occ: N
Postal:	06856-0431 Type:

PREVIOUS OWNER

Owner 1:	
Owner 2:	
Street 1:	
Twn/City:	
St/Prov:	Cntry:
Postal:	

NARRATIVE DESCRIPTION

This Parcel contains .62 ACRES of land mainly classified as MUNCIPL GOV

OTHER ASSESSMENTS

Code	Descrip/No	Amount	Com Int

PROPERTY FACTORS

Item	Code	Descrip	%	Item	Code	Descrip
Z				U	0	UNKNOWN
O				C		
n				L		
Census:	445			Exmpt		
Flood Haz						
D				Topo	1	LEVEL
S				Street	9	PV,CB,SW
I				Traffic	3	TYPICAL

IN PROCESS APPRAISAL SUMMARY

Use Code	Building Value	Yard Items	Land Size	Land Value	Total Value
910			0.620	597,000	597,000
Total Card:			0.620	597,000	597,000
Total Parcel:			0.620	597,000	597,000

Source: Market Adj Cost | Total Value per SQ unit/Card: N/A | /Parcel: N/A

Legal Description	User Acct
	GIS Ref
	813826
Entered Lot Size	GIS Ref
Total Land:	594686
Land Unit Type:	Insp Date

Parcel ID 2-68-41-0

PREVIOUS ASSESSMENT

Tax Yr	Use	Cat	Bldg Value	Yrd Items	Land Size	Land Value	Total Value	Assessd Value	Notes	Date
2007	910	FV		0	.62	597,000	597,000	597,000		1/28/2008
2006	910	FV		0	.62	597,000	597,000	597,000	GL	1/29/2007
2005	910	ABST		0	.62	597,000	597,000	597,000		3/16/2006
2004	910	ABST		0	.62	597,000	597,000	597,000	Year End Roll	4/15/2005
2003	910	FV		0	.62	597,000	597,000	597,000	Year End Roll	2/29/2004
2002	910	CNVS		0	.62	209,300	209,300	209,300	conv	3/12/2003
2002	910	FV		0	.62	209,300	209,300	209,300	roll	3/12/2003
2001	910	FV		0	.62	209,300	209,300		GL at Abstract	4/15/2002

PRINT

Date	Time
05/23/08	10:00:06

LAST REV

Date	Time

TAX DISTRICT

PAT ACCT. 5732

USER DEFINED

Prior Id # 1:	11743
Prior Id # 2:	
Prior Id # 3:	2 68 41
Prior Id # 1:	068515702
Prior Id # 2:	2 68
Prior Id # 3:	
Prior Id # 1:	
Prior Id # 2:	
Prior Id # 3:	16NW
ASR Map:	16NW
Fact Dist:	
Reval Dist:	
Year:	
LandReason:	
BldReason:	

SALES INFORMATION

Grantor	Legal Ref	Type	Date	Sale Code	Sale Price	V	Tst	Verif	Assoc PCL	Value	Notes
NORWALK CITY OF	3443-213	W	12/23/1997	INVOLVED GOV	0	No	No				125 EAST AVE
	2595 309		11/18/1991		0	No	No				

BUILDING PERMITS

Date	Number	Descrip	Amount	C/O	Last Visit	Fed Code	F. Descrip	Comment

ACTIVITY INFORMATION

Date	Result	By	Name
2/2/1994	VACANT LOT	350	KARL JOHANSO

Sign: VERIFICATION OF VISIT NOT DATA __/__/__

LAND SECTION (First 7 lines only)

Use Code	Description	LUC Fact	No of Units	Depth / Price Units	Unit Type	Land Type	LT Factor	Base Value	Unit Price	Adj	Neigh	Neigh Influ	Neigh Mod	Infl 1	%	Infl 2	%	Infl 3	%	Appraised Value	Alt Class	%	Spec Land	U Code	Fact	Use Value	Notes
910	MUNCIPL GO		27007		SQUARE FE	SITE		0	23.	0.961	C35	1.00								596,987						597,000	
910	MUNCIPL GO		182		FRONT FE	SITE		0			C35	1.00															

Total AC/HA: 0.62000 | Total SF/SM: 27007.20 | Parcel LUC: 910 MUNCIPL GOV | Prime NB Desc: LI2-SN | Total: 596,987 | Spl Credit: | Total: 597,000

Disclaimer: This Information is believed to be correct but is subject to change and is not warranteed.

ASSOCIATED BORINGS CO., INC
119 MARGARET CIRCLE
NAUGATUCK, CT 06770
TEL 203 729-5435/FAX 203 729-5116

Fax

To: Ethan Stewart **From:** Jaime Lloret

Fax: 234-7376 **Pages:** 4

Phone: **Date:** 5/30

Re: **CC:**

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

• **Comments:**

ETHAN

Please find loop for S. Norwalk Electric property

Thanks,

JAIME

SM-001 REV. 10/92 **BORING REPORT**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 2

DRILLER	Jaime Lloret
INSPECTOR	
SOILS ENGINEER	
BORING CONTRACTOR	Associated Borings Co., Inc.
DESIGN ENGINEER	Washington Group Int'l
TOWN:	South Norwalk 513
PROJECT NAME:	5 Wayside Substations
PROJECT NUMBER:	0310-0072
LOCATION:	South Norwalk, Connecticut
Surface Elevation:	
Date Started:	4/23/2008
Date Finished:	4/23/2008
Groundwater Observations	AT 22 ' AFTER 0 HRS; AT ' AFTER HRS

	Auger	Casing	Sampler	Core Bar
Type	HSA			NQ2
Size I. D.	3 1/4 in		2 in	Dia
Hammer			140 lb	Bit
Fall			30 in	

Hole No.	S-10
Line & Station	
Offset	
N Coordinate	
E. Coordinate	

DEPTH	Casing blows per foot	SAMPLE DEPTH IN FEET FROM - TO	NO.	PEN. INCH	REC. INCH	TYPE	BLOWS PER 6 INCHES ON SAMPLER 0-6	6-12	12-18	18-24	STRATA CHANGE: DEPTH, ELEV.	FIELD IDENTIFICATION OF SOIL, REMARKS (INCL. COLOR, LOSS OF WASH WATER, ETC.)
												Dk. Br. M-F Sand and C-F Gravel, Cobbles, Brick (Fill) Concrete Slabs, Boulders
5		5.0 - 7.0	1	24	4	D	5	7	9	10		
10		10.0 - 10.5	2	6	4	D	50	X	X	X	12	
												Dk. Br. F. Sand and Silt (Possible Fill)
15		15.0 - 17.0	3	24	10	D	5	6	5	7		
20		20.0 - 22.0	4	24	6	D	2	2	2	3	20	
												Gr. Silt and F. Sand
25		25.0 - 27.0	5	24	10	D	3	3	4	3	25	
												Gr. And Br. F. Sand and Silt
30		30.0 - 31.0	6	12	6	D	29	50	X	X	31	
												Br. C-F Sand and C-F Gravel, Little Silt Cobbles
35		35.0 - 37.0	7	24	18	D	20	26	29	41		
40		40.0 - 41.0	8	12	10	D	29	50	X	X		

From Ground Surface to Feet Used Inch Casing Then Inch Casing For Feet

Footage In Earth 40.0 Footage In Rock 0.0 No. of Samples 8 Hole No. S-10

SAMPLE TYPE CODING: D = DRIVEN C = CORE A = AUGER UP = UNDISTURBED PISTON

PROPORTIONS USED: TRACE = 1-10% LITTLE = 10-20% SOME = 20-35% AND = 35-50%

Jaime Lloret	SM-001 REV. 10/92	BORING REPORT	SHEET 2 OF 2
DRILLER	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		Associated Borings Co., Inc.
INSPECTOR	TOWN:	South Norwalk 513	BORING CONTRACTOR Washington Group Int'l
	PROJECT NAME:	5 Wayside Substations	DESIGN ENGINEER
SOILS ENGINEER	PROJECT NUMBER:	0310-0072	
Surface Elevation:	LOCATION:	South Norwalk, Connecticut	

		Auger	Casing	Sampler	Core Bar	
Date Started: 4/23/2008						Hole No. S-10
Date Finished: 4/23/2008	Type	HSA			NQ2	Line & Station
Groundwater Observations	Size I. D.	3 1/4 in		2 in	Dia	Offset
AT 22 ' AFTER 0 HRS	Hammer			140 lb	Bit	N Coordinate
AT ' AFTER HRS	Fall			30 in		E. Coordinate

DEPTH	Casing blows per foot	SAMPLE DEPTH IN FEET FROM - TO	NO.	PEN. INCH	REC. INCH	TYPE	BLOWS PER 6 INCHES ON SAMPLER 0-6	6-12	12-18	18-24	STRATA CHANGE: DEPTH, ELEV.	FIELD IDENTIFICATION OF SOIL, REMARKS (INCL. COLOR, LOSS OF WASH WATER, ETC.)
											43	Br. C-F Sand and C-F Gravel, Little Silt Cobbles
45												Refusal - 43.0
50												End of Boring - 43.0
55												
60												
65												
70												
75												
80												

From Ground Surface to Feet Used Inch Casing Then Inch Casing For Feet

Footage in Earth 3.0 Footage in Rock 0.0 No. of Samples 0 Hole No. S-10

SAMPLE TYPE CODING: D = DRIVEN C = CORE A = AUGER UP = UNDISTURBED PISTON

PROPORTIONS USED: TRACE = 1-10% LITTLE = 10-20% SOME = 20-35% AND = 35-50%

Jaime Lloret	SM-001 REV. 10/92 BORING REPORT	SHEET 1 OF 1
DRILLER	STATE OF CONNECTICUT	
	DEPARTMENT OF TRANSPORTATION	Associated Borings Co., Inc.
INSPECTOR	TOWN: South Norwalk 513	BORING CONTRACTOR
	PROJECT NAME: 5 Wayside Substations	Washington Group Int'l
SOILS ENGINEER	PROJECT NUMBER: 0310-0072	DESIGN ENGINEER
Surface Elevation:	LOCATION: South Norwalk, Connecticut	

		Auger	Casing	Sampler	Core Bar		
Date Started:	4/23/2008					Hole No.	S-11
Date Finished:	4/23/2008	Type			NQ2	Line & Station	
Groundwater Observations		HSA					
		Size I. D. 3 1/4 in		2 in	Dia	Offset	
AT 21 ' AFTER 0 HRS		Hammer		140 lb	Bit	N Coordinate	
AT ' AFTER HRS		Fall		30 in		E. Coordinate	

DEPTH	Casing blows per foot	SAMPLE DEPTH IN FEET FROM - TO	NO.	PEN. INCH	REC. INCH	TYPE	BLOWS PER 6 INCHES ON SAMPLER 0 - 6	6 - 12	12-18	18-24	STRATA CHANGE: DEPTH, ELEV.	FIELD IDENTIFICATION OF SOIL, REMARKS (INCL. COLOR, LOSS OF WASH WATER, ETC.)
												Dk. Br. M-F Sand and C-F Gravel, Cobbles, Brick (Fill) Concrete Slabs, Boulders
5		5.0 - 5.5	1	6	6	D	50	X	X	X		
											8	Dk. Br. F. Sand and Silt (Possible Fill) Wood
10		10.0 - 12.0	2	24	6	D	5	6	5	7		
15		15.0 - 17.0	3	24	6	D	5	6	5	9		
20		20.0 - 22.0	4	24	6	D	5	9	3	4		
25		25.0 - 27.0	5	24	14	D	7	9	11	20	25	Gr. And Br. F. Sand and Silt
30		30.0 - 31.0	6	12	8	D	28	50	X	X	31	Br. C-F Sand and C-F Gravel, Little Silt Cobbles
35		35.0 - 36.0	7	12	6	D	42	50	X	X	37	Refusal - 37.0 End of Boring - 37.0
40												

From Ground Surface to Feet Used Inch Casing Then Inch Casing For Feet

Footage in Earth 37.0 Footage in Rock 0.0 No. of Samples 7 Hole No. S-11

SAMPLE TYPE CODING: D = DRIVEN C = CORE A = AUGER UP = UNDISTURBED PISTON

PROPORTIONS USED: TRACE = 1-10% LITTLE = 10-20% SOME = 20-35% AND = 35-50%

FIRE INSURANCE MAP ABSTRACT RESEARCH RESULTS

5/21/2008

03-273-42B

MARTIN LUTHER KING DR
NORWALK, CT 06854

Listed below, please find the results of our search for historic fire insurance maps, performed in conjunction with your Environmental FirstSearch® report.

State	City	Date	Volume	Sheet Number(s)
Connecticut	Norwalk	1958	1	18
Connecticut	Norwalk	1950	none	18
Connecticut	Norwalk	1922	none	18
Connecticut	South Norwalk	1912	none	abutter; 18
Connecticut	South Norwalk	1906	none	abutter; 15

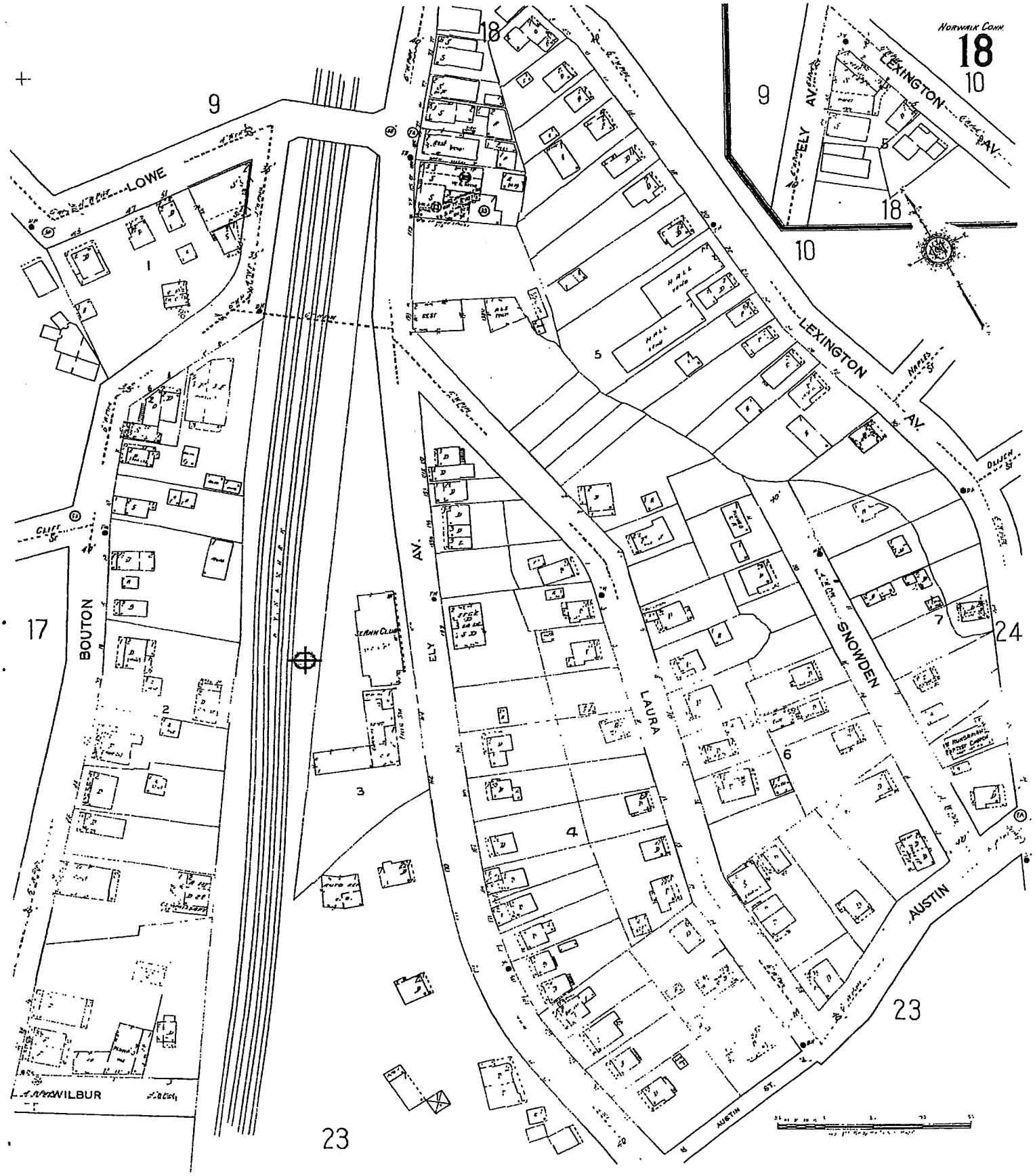
This abstract is the result of a visual inspection of various Sanborn® Map collections. Supporting documentation follows in the Appendix. Use of this material is meant for research purposes only.

Copyright Policy Disclaimer

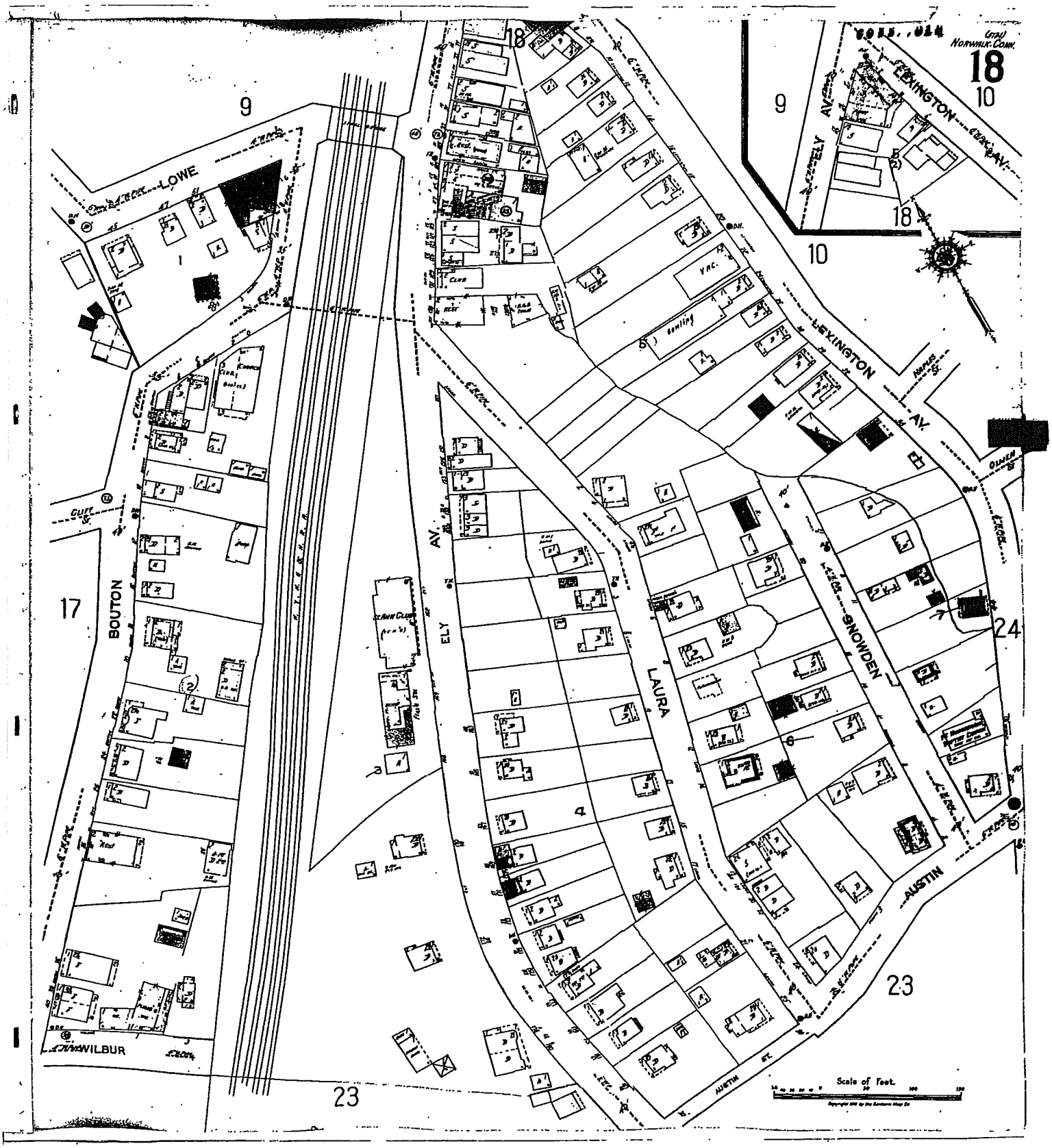
Certain Sanborn® Fire Insurance Maps are copyrighted material and may not be reproduced without the expressed permission of the Sanborn Map Company or other authorized third party distributors. Any reproduction of this material is covered under the copyright law of the United States (Title 17 U.S. Code) for which customer assumes all liability for the making of photocopies or other reproductions of copyrighted material. FirstSearch Technology Corporation warrants that it will employ its best efforts to maintain and deliver its information in an efficient and timely manner. Customer acknowledges that it understands that FirstSearch Technology Corporation obtains the above information from sources FirstSearch Technology Corporation considers reliable. However, THE WARRANTIES EXPRESSED HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES, either expressed or implied, including without limitation any implied warranty of merchantability or fitness or suitability for a particular purpose (whether or not FirstSearch Technology Corporation may know, have reason to know, or have been advised of such purpose), whether arising by law or by reason of industry custom or usage. ALL SUCH OTHER WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED.

FirstSearch Technology Corporation

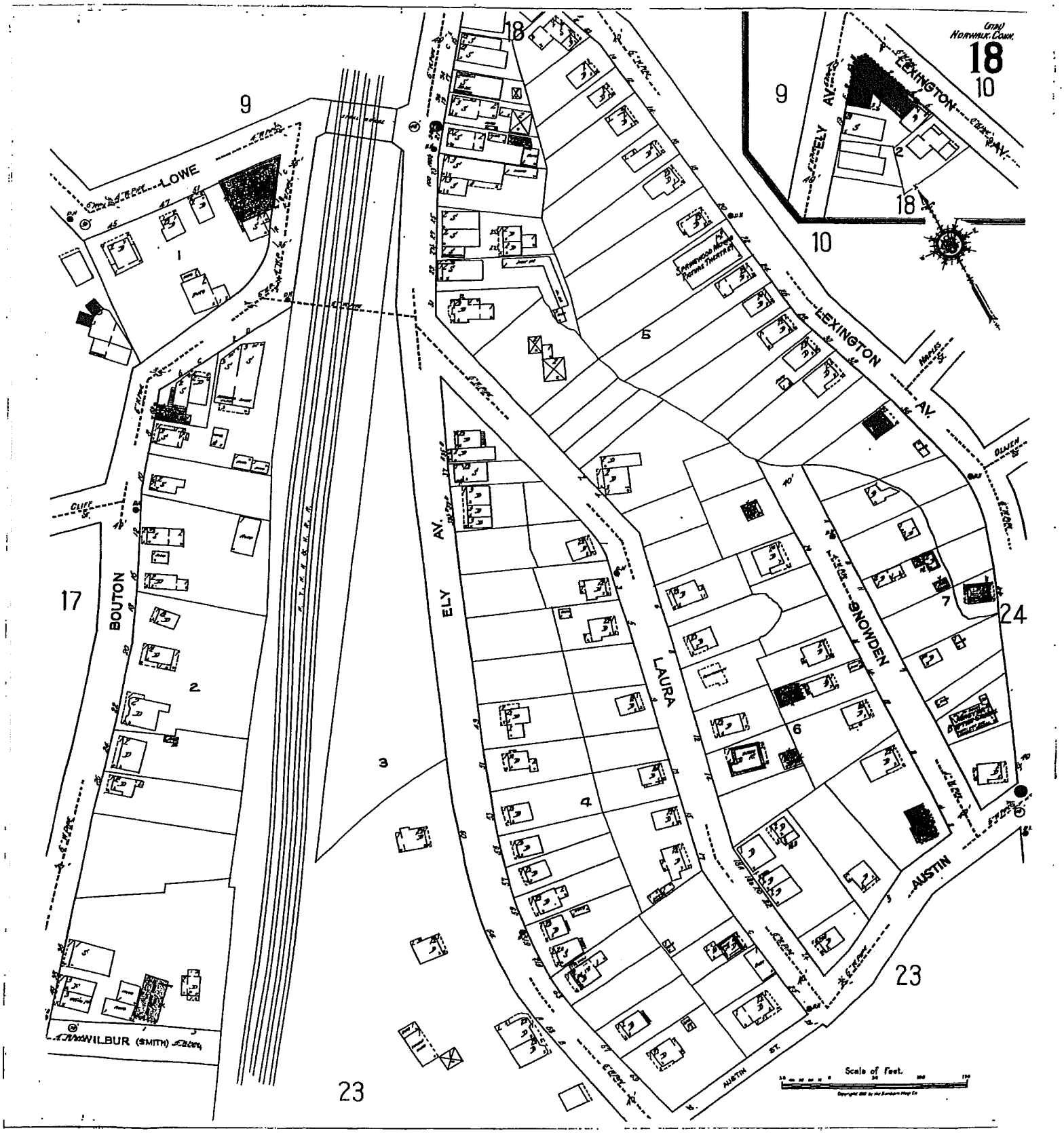
10 Cottage Street, Norwood, MA 02062
Tel: 781-551-0470 Fax: 781-551-0471


NORWALK CONN.
18
10
9
LEXINGTON
AV.
ELY
LOWE
BOUTON
17
WILBUR
23
24
LAURA
SNOWDEN
AUSTIN
ST.
NAPLES
OLIVER
CLIFF
ELY
AV.
LEXINGTON
AV.
1
2
3
4
5
6
7

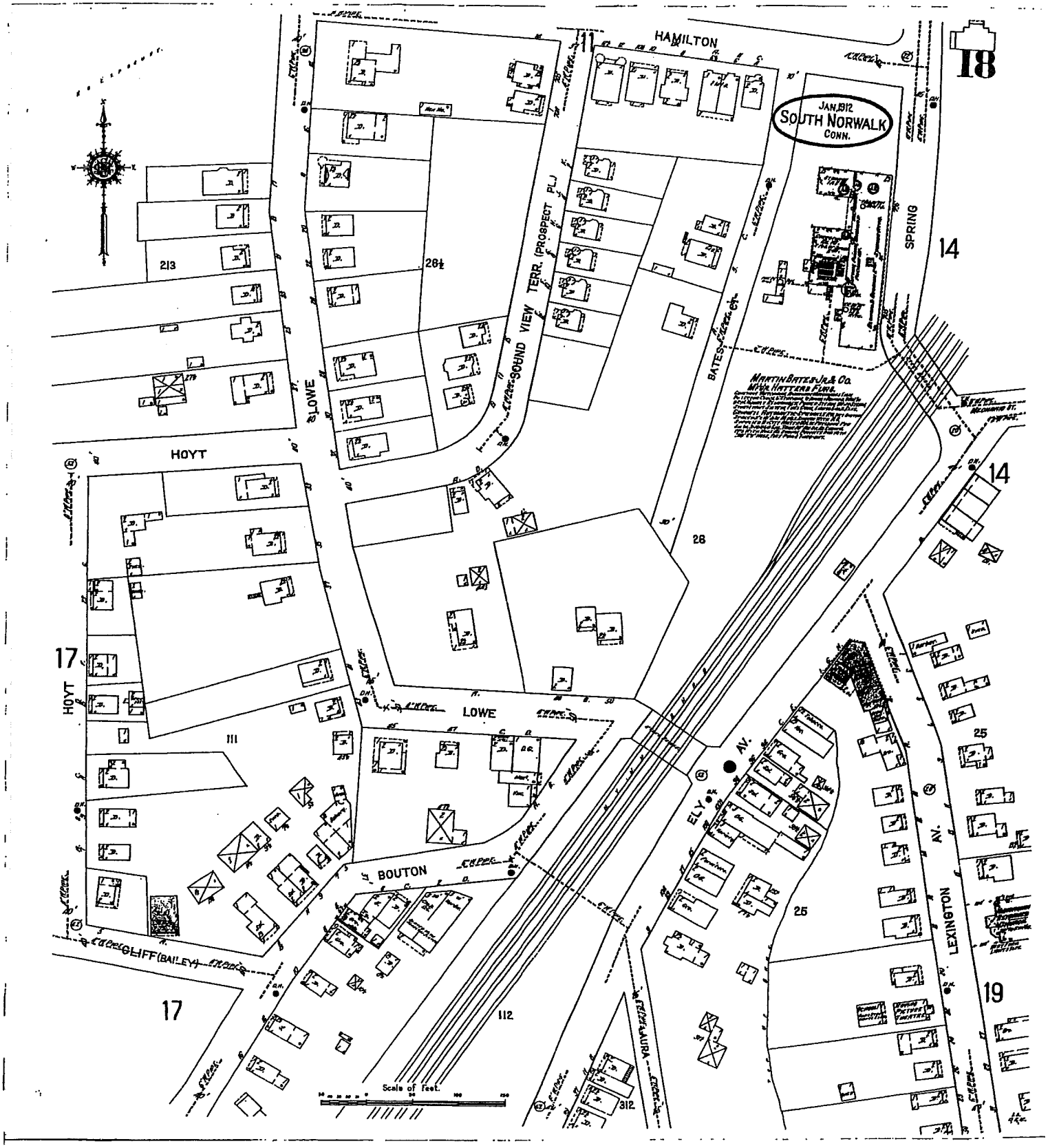
1958


LOWE
BOUTON
WILBUR
ELY AV.
LAURA
SNOWDEN
AUSTIN
LEXINGTON AV.
Scale of Feet.
Norwalk, Conn.
18
10
9
17
23
24

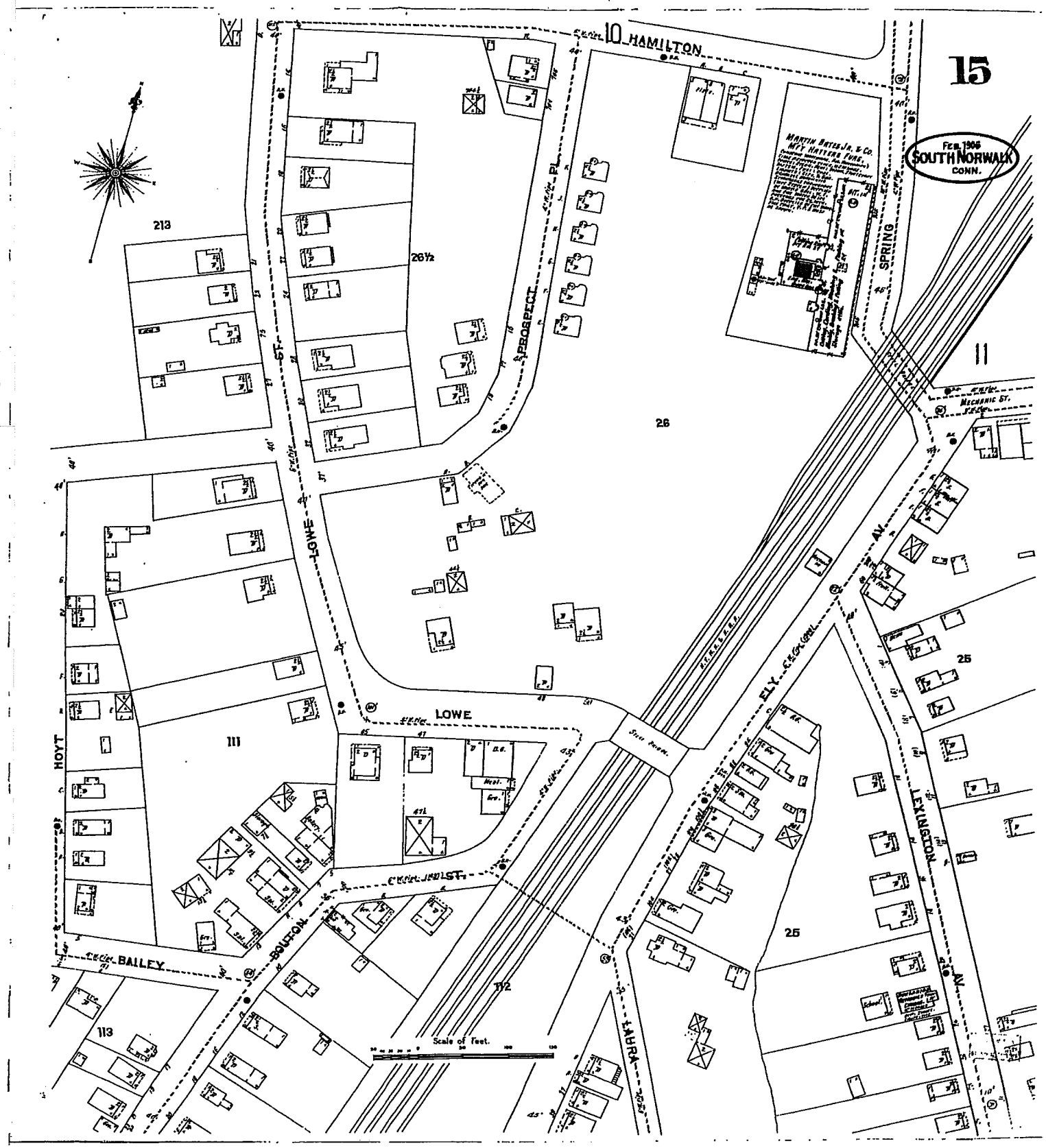
1950


NORWALK, CONN.
18
10
9
LOWE
1
18
10
9
ELY AV.
LEXINGTON AV.
18
LEXINGTON AV.
MAPLE ST.
OLIVER ST.
CLIFF ST.
17
BOUTON
2
3
ELY AV.
LAURA
SNOWDEN
AUSTIN
AUSTIN ST.
4
5
6
7
24
23
23
WILBUR (SMITH)
Scale of Feet.

1922


JAN. 1912
SOUTH NORWALK
CONN.
HAMILTON
SPRING
LOWE
HOYT
SOUND VIEW TERR. (PROSPECT PL.)
BATES
MARTIN BATES JR. & CO.
MFG. HATTERS FURS.
BOUTON
ELY AV.
LEXINGTON AV.
CLIFF (BAILEY)
AURA
Scale of feet.
18
14
17
19
11
213
264
28
111
112
25
312

1912


15
Feb. 1906
SOUTH NORWALK
CONN.
10 HAMILTON
MARTIN BATES JR. & CO.
MFG HATTERS FURS.
213
26½
PROSPECT
PL.
SPRING
11
MECHANIC ST.
26
LOWE
ST.
LOWE
111
HOYT
471
JEWELL ST.
BOULTON
BAILEY
113
112
Scale of Feet.
LAURA
ELY
AV.
LEXINGTON
AV.
25
25