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R.J.



SDMS DocID 289434

REMOVAL SOUTH STREET ASBESTOS SITE
WALPOLE, MA
PRELIMINARY INVESTIGATION

NOVEMBER 17, 1986

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Suite 202, 111 South Bedford Street, Burlington, MA 01803 • (617) 229-6430

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-6669

November 19, 1986

Mr. Steven R. Novick
Deputy Project Officer
U.S. Environmental Protection Agency
60 Westview Street
Lexington, MA 02173

Dear Mr. Novick:

The accompanying report, South Street Asbestos Site - Walpole, MA - Preliminary Investigation is submitted to complete the requirements of TDD #01-8611-20, PCS #6044. OSC Paul Groulx directed that the TAT conduct a preliminary investigation of the South Street site in Walpole, Massachusetts. TAT members John Hagopian and Mark McDuffee conducted that investigation on November 17 and prepared this report for the OSC's use.

If there are any questions, I may be contacted at (617)229-6430.

Sincerely,

ROY F. WESTON, INC.

Larry J. Dziuk, Ph. D.
Technical Assistance Team
Leader

cc: Paul Groulx

LJD/bpb

PURPOSE

The purpose of this investigation is to define the visual extent of asbestos waste at the South Street Asbestos site in Walpole, MA, and substantiate if a public health threat and environmental problem exists according to guidelines established under CERCLA.

SITE BACKGROUND

The South Street Asbestos site is located in Walpole, Ma. where the Neponset River crosses South Street. The areas located to the east and west of South Street at the Neponset River junction are contaminated with asbestos waste products. Both areas are owned by the Shaffer Realty Corporation. The site has had industries located there since the early 1800's. The industries included the manufacturing of snuff, wrought iron, tanning products, clothing, cotton batting, and wicking products at various times within the 1800's. Around 1900, the Massachusetts Chemical Company, located there, produced rubber products. The Multiple Triple Woven Hose and Rubber Co. (later known as MULTIBESTOS) located there in 1915 and soon after began manufacturing brake linings containing asbestos. In the mid 1930's, MULTIBESTOS closed the facility due to a class action suit brought by employees suffering respiratory ailments. Since then, the properties have been occupied by Walpole Factories, Industrial Properties, General Fiber, and the Kendall Corporation who used the facility for a fabric manufacturing and bleaching process. In 1985, the Shaffer Realty Corporation bought the property and the facility has been vacant since then. In 11/12/80, the Massachusetts Department of Environmental Quality Engineering (MA DEQE) notified the Kendall Corp. that asbestos contamination was discovered on their property. The Kendall Corp. was ordered to cover up asbestos pile and on 12/9/80 received a letter from the MA DEQE stating compliance to that order. On 9/18/81, the Metropolitan District Commission (MDC), notified the MA DEQE of asbestos waste piles along the Neponset River at South Street observed while working on sewer lines in that area. In October of 1986 a Walpole citizen notified the MA DEQE that vast asbestos waste piles lined the banks of the Neponset River banks at South Street. The MA DEQE responded to the site and obtained samples confirming the presence of asbestos waste products and secured the area to prevent public access. The MA DEQE requested the United States Environmental Protection Agency (US EPA) assistance on October 12, 1986, and on 11/17/86 the US EPA Oil and Hazardous Material Section (OHM) performed a preliminary investigation.

SITE DESCRIPTION

The South Street asbestos site is located at 80 South Street in Walpole, Massachusetts. The property on which the site exists is presently owned by at least two entities: the Shaffer Realty Trust Corporation, and a residential realty trust group. From information gathered at Walpole assessor's office, the Shaffer Realty Trust Corporation owns lots 1235-1, 1235-8, 1235-4, and lots 1235-2-A. The residential realty group owns lot 1249, listed as owned by Willis D. McLean et al. These lots comprise the site as it has been presently established (see site description map).

The site is divided into a west section and east section by South Street. The east section is owned by Shaffer Realty and contains 1235-2-A. It is approximately 2.5 acres in size, and is presently utilized by Atlas Van Lines, Stop & Shop box recycling, and Cosmec, Inc. Cosmec operates a foundry and manufactures bridge and highway expansion strips.

This lot containing these industries is bounded to the east by an abandoned Conrail railroad grade, to the south by a wooded marsh through which the Neponset River flows, to the north by residences, and to the west by South Street. The lot is partially paved, and contains cement pads where Stop & Shop stores roll off box trailers for recycled box storage. Behind the foundry is a non paved portion of road, and a pile of soil and debris. The pile has been analyzed by the Massachusetts Department of Environmental Quality Engineering (MA DEQE) and contains woven fiber asbestos material. The pile is presently covered with visquene and encircled with caution tape. Asbestos warning signs are also present.

A cyclone fence, installed by Stop & Shop, separates the rear of lot from the abandoned Penn Central Railroad grade, and the south side of the lot from the Neponset River/marsh.

The west side of the site contains lots 1235-1, 1235-8, 1235-4, a portion of lot 1249, and is approximately 10 acres in size. Lots 1235-1, 1235-8, and 1235-4 are owned by Shaffer Realty Trust Corporation. Lot 1235-1 is the former site of the Kendall Corporation. The lot contains a manufacturing building, a parking lot, a series of above and below ground storage tanks, and a lagoon with cement and grate conduit leading into it. The lot is bounded by cyclone fence and locking gates, a stockade fence is on the north side of the lagoon, and a drainage ditch, into which an abandoned conduit leads, is behind the lagoon.

Behind the acid tanks is a berm-like pile of gravel, in which fibrous material is visible. The MA DEQE collected samples of this material, and through analysis determined it to contain 80% asbestos. The MA DEQE also collected a board sample from near the lagoon and determined it to contain 55 % asbestos.

The topography of lot 1235-1 is generally sloping eastward toward the rear of the property, where it drops down toward a tributary - like feature. The lot is bounded to the east and northeast by cyclone fence, fir trees, and residences; to the south by cyclone fence and lot 1235-8, and to the east by cyclone fence and South Street.

Lot 1235-8 is on the north bank of the Neponset River, and partially on the south bank. A foot bridge - conduit connects the north and south banks in the east side of the lot. The lot is bounded to the east by South Street, and to the south by lot 1235-4. It is heavily wooded, with steep slopes leading down the river. Outcropping from wash cuts and on the surface of both the north and the south banks all along the river are found red and black friable board material, brake plates, fibrous woven brittle and pliable clutch plates, and white, red, and black baghouse material. Samples of black flat board with holes, woven gray-green fabric board, black earth, and black fibrous multi-layered paper were collected along the banks of the river by the MA DEQE. These materials appear to have been deposited as fill. These materials are observed in the river as well.

The area of this site containing lots 1249 and 1235-4 appears to have been deposited as fill. This area contains on the surface fibrous woven material, similar to that seen along the banks of the Neponset River. South of the Neponset River is the northeast corner of lot 1249 is a large outcrop of long strands of black - dark green fibrous woven material, which extends from the Neponset River southward toward the southern boundary of lot 1235-4. This portion of the site is heavily wooded and generally flat sloping abruptly to the north toward the Neponset River, and west across the outcrop area. A cyclone fence bounds the southern portion of lot 1235-4 and extends into lot 1249 approximately 100 feet, heading north across the Neponset River and joining with fence on the south side lot 1235-1 (see site description map).

EVALUATION OF POTENTIAL FOR HUMAN EXPOSURE

Identifying Information

EPA Site Identification Number _____

Information on this form is correct as of: Month November Day 19 Year 1986

Site Name South Street Asbestos Site

Site Street Address South Street

Incorporated Town or City (If none, so state) Walpole, MA

EPA Contact Paul Groulx Phone # (617) 861-6700

Organization USEPA Oil and Hazardous Materials Section

Address 60 Westview Street, Lexington, MA

Geographic & Demographic Data (Also, see Site Map & Zoning Map Attachments 1 & 2)

Census Tract _____ County Norfolk City Walpole

State MA Zip Code 02081

Name of USGS quadrangle containing site Medfield, MA

Distance from site to closest existing residence (meters) 10

Distance from site to nearest spot where a residence
could legally be built (meters) less than 1

Estimated population within 500 meters of site boundary 3500

Activity(ies) on site (check all that apply):

- () Playground () Foot Path (x) Other (specify below)
() Playing Field (x) Parking Lot

Specify Other On the south side of the South Street Site the tract of land
contains buildings utilized by a moving company, a foundry, a
recycling facility, and a manufacturing company.

CLIENT/SUBJECT LOCATION MAP W.O. NO. _____

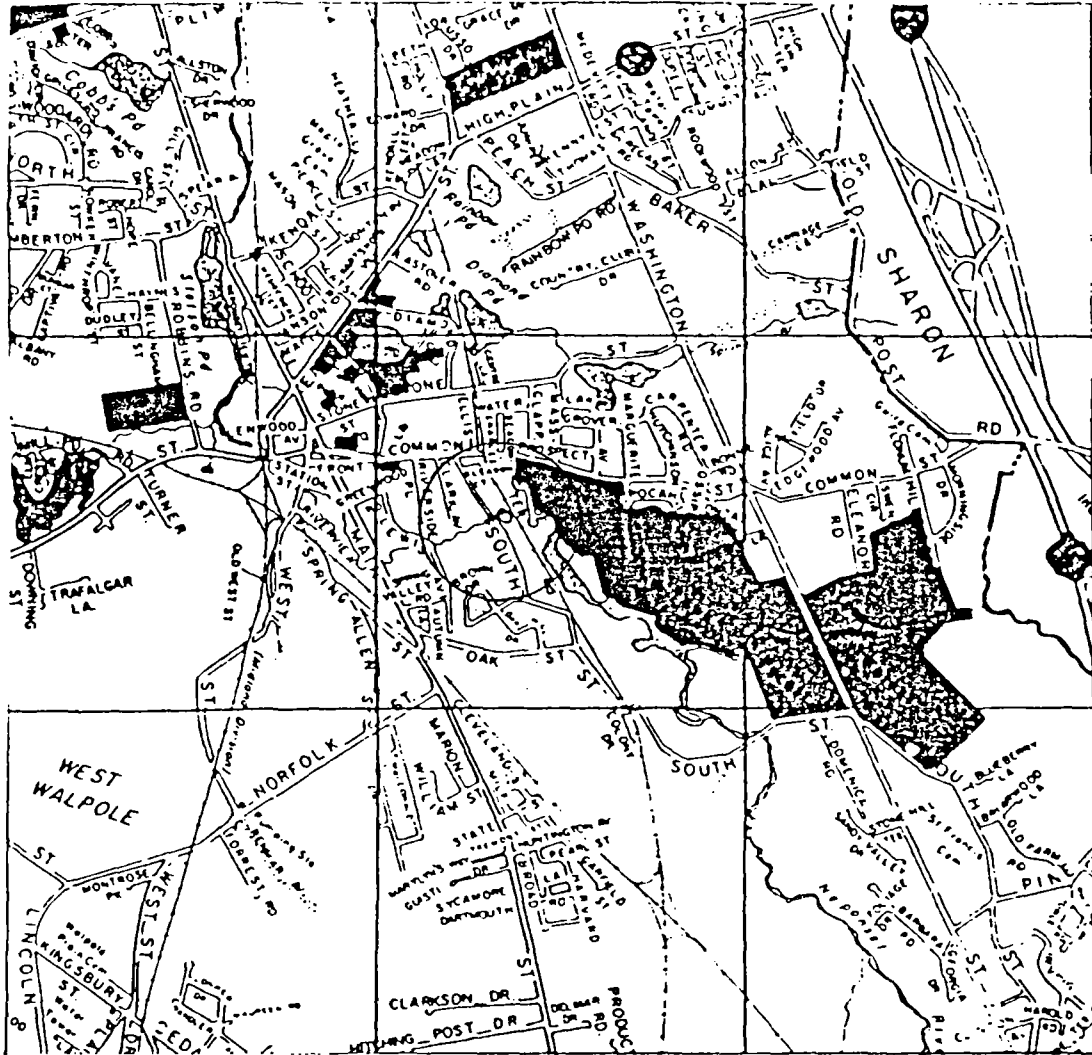
TASK DESCRIPTION South Street Asbestos Site, WALPOLE, MA. TASK NO. _____

PREPARED BY _____ DEPT _____ DATE _____

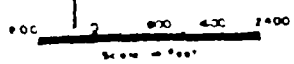
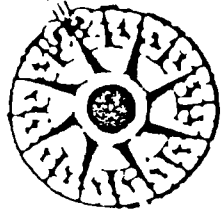
MATH CHECK BY _____ DEPT _____ DATE _____

METHOD REV. BY _____ DEPT _____ DATE _____

APPROVED BY
DEPT _____ DATE _____



N



CLIENT/SUBJECT EPA - Sample Locations W.O. NO. _____

WORK DESCRIPTION Site Sketch of South Street Asbestos Site TASK NO. _____

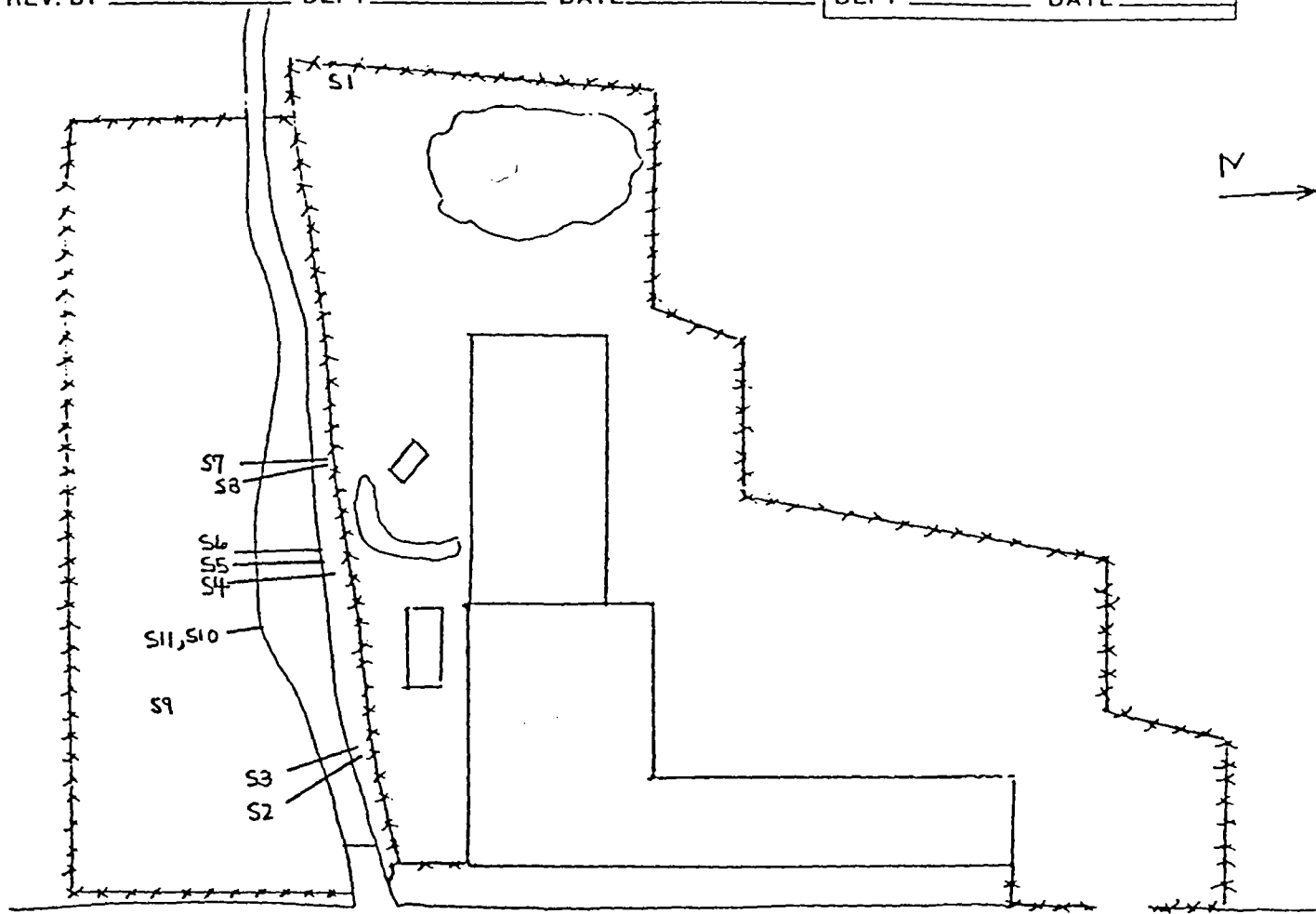
PREPARED BY MJM DEPT _____ DATE 11-13-86

APPROVED BY

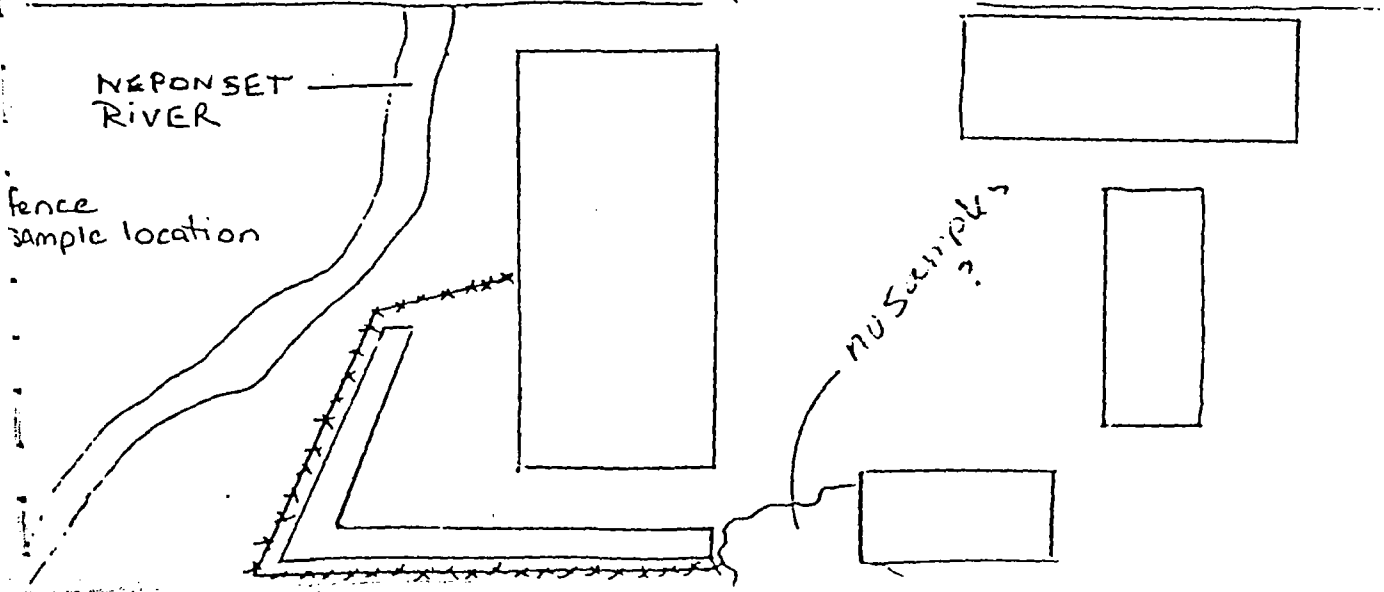
WITH CHECK BY _____ DEPT _____ DATE _____

DEPT _____	DATE _____
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METHOD REV. BY _____ DEPT _____ DATE _____



SOUTH STREET

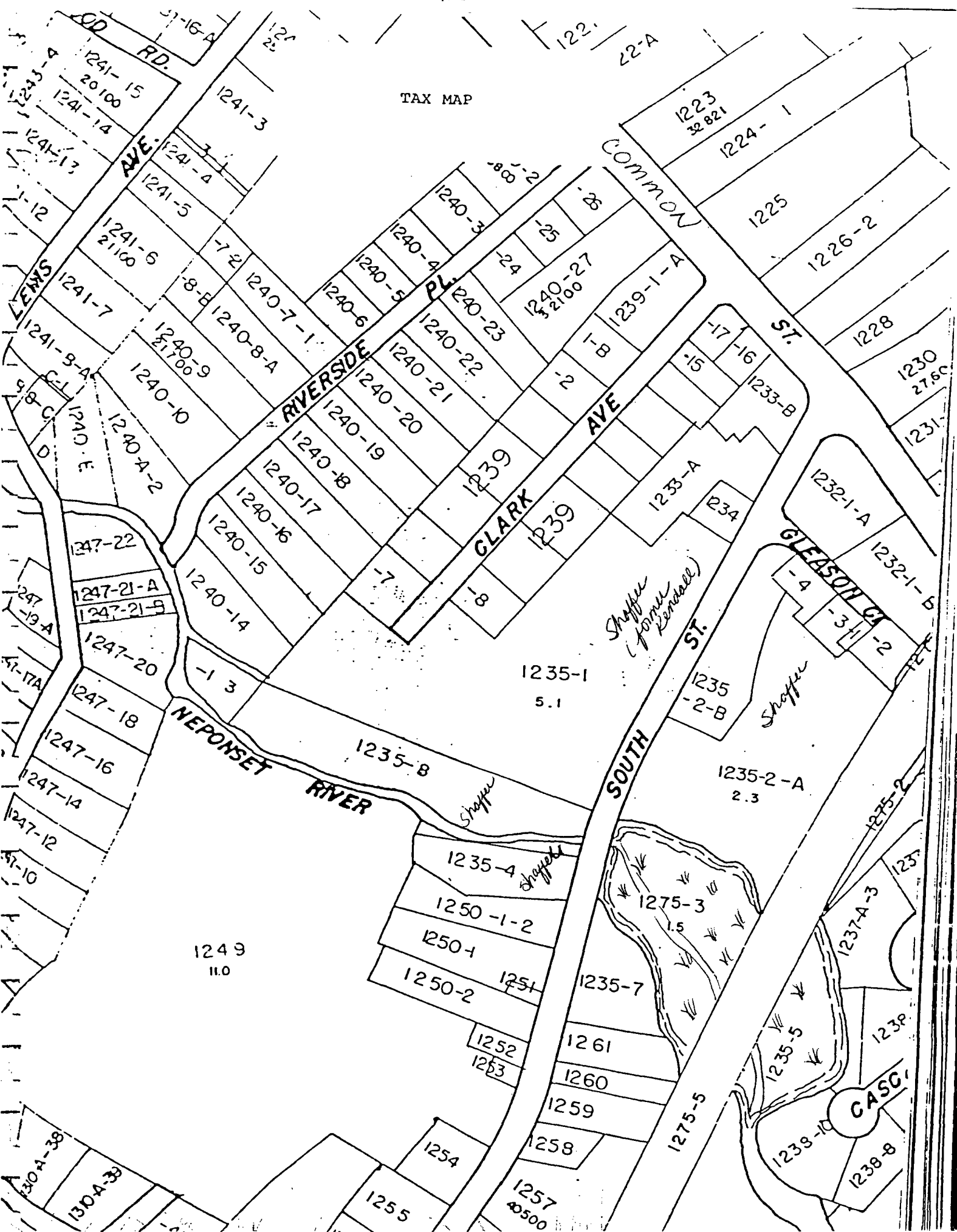


NEPONSET RIVER

fence sample location

no samples?

TAX MAP



Shaffer (former Kenable)

Shaffer

Shaffer

CASG

SITE DESCRIPTION	OWNER	TAX MAP	LOT
7 Gleason Ct. 668-2924	Michetti, Linda J & Bertone, Priscilla A	D-12	1232-2
11 Gleason Ct. 668-9001	Cashorali, Mike A & Thelma A	D-12	1232-3
11 Gleason Ct. 668-9001	Cashora , Mike & Thelma A	D-12	1232-4
7 & 9 South St. 668-8125	Moore, Richard	D-12	1233-A
11 South St.	Lenker, William A & Beth A	D-12	1234
South St. 825-9040	Shaffer, Milton, Irving, Burton, BIM Investment Trust - 98 Taylor St. Dorchester, MA 02122	D-12	1235-1
62 South St.	Shaffer Realty Corp.	D-12	1235-2-A
62 South St.	Shaffer Realty Corp. of Chelsea	D-12	1235-2-B
South St.	Shaffer Realty Corp.	D-12	1235-3
26 South St.	Shaffer - BIM	D-12	1235-4
South St.	Shaffer Realty Crop.	D-12	1235-5
South St.	Shaffer Realty Corp.	D-12	1235-7
South St.	Shaffer Realty Trust	D-12	1235-8
55 Clark Ave.	Rockwood, Allen D. & Robert C Trs. 55-57 Clark Ave. Trust 926 Main St., Walpole, MA	D-12	1239-7
46 Clark Ave.	Bissell, Willard H. & Helen M.	D-12	1239-8
40 Clark Ave. 668-6617	Hickey, William J.	D-12	1239-9
32 Clark Ave. 668-5476	Francois, Ernst & Sodnie R.	D-12	1239-10
26-28 Clark Ave. 668-1675	Barry, Charles & Theresa Dewey, Jo Ann	D-12	1239-11

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quality of the document
being filmed

SITE DESCRIPTION	OWNER	TAX MAP	LOT
Riverside Pl. 668-5434	Silvi, Domenic et Anna H. (off Riverside Place)	D-12	1240-13
Riverside Pl. 668-5434	Silvi, Domenic et Anna H. (off Riverside Place)	D-12	1240-14
Riverside Pl. 668-5434	Silvi, Domenic et Anna H. (off Riverside Place)	D-12	1240-15
65 Riverside Pl. 688-5434	Silvi, Domenic et Anna H. (off Riverside Place)	D-12	1240-16
104 Lewis Ave. 668-2081	Suck, Adrian A. III et Gail E.	D-12	1247-2
102 Lewis Ave. 668-0166	Hubbard, Edwin C. & Marily A.	D-12	1247-4
100 Lewis Ave. 668-1442	McLean, Lewis A & Dorothea A	D-12	1247-6
98 Lewis Ave. 668-1442	Gilmore, James F & Frances L.	D-12	1247-8
96 Lewis Ave.	Chase, James C & Antonietta E.	D-12	1247-10
94 Lewis Ave. 668-4118	Mirando, Micheal F et ux (Carolyn S.)	D-12	1247-12
92 Lewis Ave. 668-7356	Garr, William & Linda	D-12	1247-14
90 Lewis Ave. 668-2672	Gamache, George F et Mary Ellen	D-12	1247-16
88 Lewis Ave. 668-2455	Pearson, Philip R.	D-12	1247-18
86 Lewis Ave. 668-9658	Eames, Raymond & Miriam	D-12	1247-20
106 Lewis Ave 668-6269	Munro, Davis M et ux (Nancy M.)	D-12	1248-2-A
S. St. 668-0166	McLean, Willis D, et al. c/o James Chase 92 Lewis Ave, Walpole	D-12	1249
83 S. St. 668-8039	Bannon, Margaret M.	D-12	1250-1

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BLA 001

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SITE DESCRIPTION	OWNER	TAX MAP	LOT
83 South St. 668-8039	Bannon, Margaret M.	D-12	1250-12
97 South St. 668-1572	Sheppard, Gerald F.	D-12	1250-2
89 South St.	St. Cyr Margaret M.	D-12	1251
97 South St. 668-1572	Sheppard, Gerald F.	D-12	1252
97 South St. 668-1572	Sheppard, Gerald F.	D-12	1253
113 South St. 668-1878	Lawes, Wayne S	D-12	1254
123 S. St. 668- 5397	Leone, Richard et ux (Karen H.)	D-12	1255
94 South St. 668-9290	Burke, Richard 96 South St., Walpole	D-12	1261
South St.	Shaffer Realty Trust	D-12	1275-1
	(Missing)	D-12	1275-2
	(Missing)	D-12	1275-3
	Shaffer Realty Trust	D-12	1275-5
106 Lewis Ave. 668-6269	Munro, David M et. ux (Nancy M.)	D-12	1310-1-A
	Dot Realty Trust, J. Hibbert (Trustee)	D-12	1230-6-A
28 Brown Dr. 668-4699	Karalian, Richard D. et ux	D-12	1310-A-37
30 Brown Dr. 668-7522	Fitzgerald, John F. (et ux) Mary L.	D-12	1310-A-38
32 Brown Dr. 668-1847	Bono, Anthony & Deborah A	D-12	1310-A-39
27 Oak Hill Dr. 668-6329	Szun, John T et ux (Susan R.)	D-12	1310-A-40

EPA SAMPLING INFORMATION

SAMPLE #	DESCRIPTION	ANALYSIS*
S1	Gray baghouse in soil	
S2	Black friable board	
S3	Brittle clutch plate	
S4	Black baghouse	
S5	Red board	
S6	Black brake plate	
S7	Gray pliable clutch plate	
S8	Black brittle board	
S9	Padding, woven material	
S10	Red, White baghouse	
S11	White baghouse	

* Analysis will follow at later date.

FOR: PAUL GROULX - ESD - OHM

DATE: 20 NOV. 1986

ANALYST: Howard S. Davis
HOWARD DAVIS

12/1/86

EPA REG. 1 LAB

RECEIVED

Analytical Method: PLM with Dispersion Staining
All Quantities Are Estimated Volume Percent

LEXINGTON, MASS. 02173

Laboratory ID No.	111701-86	111702-86	111703-86	111704-86	111705-86
Sample ID No.	87081	87082	87083	87084	87085
Address or Building	S. STREET WALPOLE, MA.	S. STREET WALPOLE, MA.	S. STREET WALPOLE, MA.	S. STREET WALPOLE, MA.	S. STREET WALPOLE, MA.
Location	S-1	S-2	S-3	S-4	S-5
Sample Appearance	BROWN SOIL	DARK BROWN HUMUS	1/8" THICK WOVEN MATERIAL.	BLACK, FIBROUS, LUMPY MUD.	BRICK RED, MULTI-LAYERED PAPER.
Asbestos Present Type and Percent	CHRYSDTILE-1-3	CHRYSDTILE-10-15	CHRYSDTILE-60	CHRYSDTILE-80	CHRYSDTILE-60
Other Fibrous Materials Present - Type and Percent	CELLULOSE, DECAYED VEGETATION	DECAYED VEGETATION	CELLULOSE-30	CELLULOSE-TRACE	CELLULOSE-TRACES
Non-Fibrous Materials Present	DIRT, SAND, DIATOMS	DIRT, SAND, IRON PARTICLES, GRAPHITE	BINDER	DIRT, SAND, IRON PARTICLES	RED PIGMENT
Percent Total Asbestos Present In Sample	1% - 3%	10 - 15%	60%	80%	60%
Remarks				BAGHOUSE WASTE ?	

FOR: PAUL GROULX - ESD - DHMDATE: 22 NOV. 1986 ANALYST: HOWARD DAVISEPA REG 1 LABAnalytical Method: PLM with Dispersion Staining
All Quantities Are Estimated Volume PercentLEXINGTON, MASS. 02173

Laboratory ID No.	111706-86	111707-86	111708-86	111709-86	111710-86
Sample ID No.	87086	87087	87088	87089	87090
Address or Building	S. STREET WALPOLE, MA.	S. STREET WALPOLE, MA.	S. STREET WALPOLE, MA.	S. STREET WALPOLE, MA.	S. STREET WALPOLE, MA.
Location	S-6	S-7	S-8	S-9	
Sample Appearance	1/4" THICK BRAKE LINING, BLACK	3/16" THICK WOVEN MATERIAL IN AN ARC SHAPE 1 1/2" W.	BLACK, FIBROUS, BOARD APPROX. 3/16" THICK.	3/16" THICK WOVEN MATERIAL.	BROWN, FIBROUS MATTED MATERIAL
Asbestos Present Type and Percent	CHRYSDTILE-45	CHRYSDTILE-80	CHRYSDTILE-50	CHRYSDTILE-90	CHRYSDTILE- TRACES TO 1%
Other Fibrous Materials Present - Type and Percent	NONE	CELLULOSE-10	PLANT FIBERS	CELLULOSE-TRACE	PLANT FIBERS, CELLULOSE-80
Non-Fibrous Materials Present	BLACK, OPAQUE MATRIX MTL., MINERAL FILLER	BINDER	BLACK MATRIX/ BINDER	BINDER	DIRT, SAND, PLASTER CHIPS
Percent Total Asbestos Present In Sample	45%	80%	50%	90%	~ 1% :
Remarks					EASILY SEEN AB

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY60 WESTVIEW STREET
LEXINGTON, MASSACHUSETTS 02173

FOR: PAUL GROULX - ESD - OHM

DATE: 21 NOV. 1986

ANALYST: HOWARD DAVIS

Howard S. Davis

EPA REG. 1 LAB

Analytical Method: PLM with Dispersion Staining
All Quantities Are Estimated Volume Percent

LEXINGTON, MA. 02173

Laboratory ID No.	111711-86				
Sample ID No.	87091				
Address or Building	S. STREET WALPOLE, MA.				
Location	S-11				
Sample Appearance	GRAY, FIBROUS CLUMPS				
Asbestos Present Type and Percent	NONE FOUND				
Other Fibrous Materials Present - Type and Percent	CELLULOSE-90				
Non-Fibrous Materials Present	SAND, MINERAL FILLERS				
Percent Total Asbestos Present In Sample	Ø				
Remarks					

ASBESTOS BULK SAMPLE ANALYSIS

FOR: JOHN MAC AULEY - MASS. DEQE

DATE: 30 OCT. 1986

ANALYST: Howard S. Davis
HOWARD DAVIS

5 COMMONWEALTH AVE.

Analytical Method: PLM with Dispersion Staining

WOBURN, MASS. 01801

All Quantities Are Estimated Volume Percent

Laboratory ID No.	102901-86DEQE	102902-86DEQE	102903-86DEQE	102904-86DEQE	102905-86DEQE
Sample ID No.	1029186	1029286	1029386	1029486	1029586
Address or Building	NEPONSET RIVER SOUTH ST. WALPOLE, MASS.	NEPONSET RIVER SOUTH ST. WALPOLE, MASS.	NEPONSET RIVER SOUTH ST. WALPOLE, MASS.	NEPONSET RIVER SOUTH ST. WALPOLE, MASS.	BLDG. ? SOUTH ST. WALPOLE, MASS.
Location	BANKING 30 YDS. FROM FOOTBRIDGE	BANKING, 3 FT. FROM #1029186	BANKING	BANKING - 10 FT FROM 1029186	NEAR ACID TANKS REAR OF BLDG.
Sample Appearance	3/16" THICK, ^{BLACK} FLAT BOARD WITH HOLES DRILLED IN CORNERS	1/8" THICK, GRAY/GEN. WOVEN FABRIC BOARD.	BLACK EARTH	BLACK, FIBROUS, MULTI-LAYERED PAPER	3/16" THICK, GRAY AB BOARD, CURVED, PORTION OF ARC.
Asbestos Present Type and Percent	CHRYSDTILE-50	CHRYSDTILE-70	CHRYSDTILE-75	CHRYSDTILE-45	CHRYSDTILE-60
Other Fibrous Materials Present - Type and Percent	NONE	CELLULOSE-15	CELLULOSE	CELLULOSE	NONE
Non-Fibrous Materials Present	MINERAL FILLERS, ASPHALT (?) BINDER, REINFORCING CARBON?	BINDER	BLACK, OPAQUE FILLER	BLACK FILLER, BINDER, SAND, MINERAL FILLERS, DIATOMS.	MINERAL FILLERS, BINDER
Percent Total Asbestos Present In Sample	50%	70%	75%	45%	60%
Remarks			SIMILAR TO BAGHOUSE WASTE.	SIMILAR APPEAR- ANCE TO TAR PAPER.	

ASBESTOS BULK SAMPLE ANALYSIS

FOR: JOHN MACAULEY - MASS DEQE

DATE: 30 OCT. 1986

ANALYST: HOWARD DAVIS

Howard S. Davis

5 COMMONWEALTH AVE -

Analytical Method: PLM with Dispersion Staining

All Quantities Are Estimated Volume Percent

WOBURN, MASS. 01801

Laboratory ID No.	102906-86DEQE				
Sample ID No.	1029686				
Address or Building	BLDG. SOUTH ST. WALPOLE, MASS.				
Location	FROM GROUND, REAR OF BLDG. NEAR LAGOON.				
Sample Appearance	FLAT, DARK COLORED BOARD. ~ 3/16" THICK. COVERED WITH DIRT & SAND				
Asbestos Present Type and Percent	CHRYSDTILE-55				
Other Fibrous Materials Present - Type and Percent	CELLULOSE-TRACES				
Non-Fibrous Materials Present	MINERAL FILLERS, BINDER				
Percent Total Asbestos Present In Sample	55%				
Remarks					

ASBESTOS BULK SAMPLE ANALYSIS

FOR: LAURI JACOBSON - MASS DEQE

DATE: 14 NOV. 1986

ANALYST: Howard S. Davis
HOWARD DAVIS

5 COMMONWEALTH AVE.

Analytical Method: PLM with Dispersion Staining
All Quantities Are Estimated Volume Percent

WOBURN, MASS. 01801

*Rec'd
11/20/86*

Laboratory ID No.	111201-86 DEQE	111202-86 DEQE	111203-86 DEQE	111204-86 DEQE	111205-86 DEQE
Sample ID No.	1112861	1112864	1112866	1112867	1112868
Address or Building	OFF SOUTH ST. WALPOLE, MASS	SAME	SAME	SAME	SAME
Location	BEHIND STOP & SHOP MUD/JUNK PILE	SAME, MUD-JUNK PILE	- SAME - BOTTOM, SIDE OF MUD-JUNK PILE	BEHIND KENDALL- GRATING	BEHIND KENDALL GRAVEL PILE
Sample Appearance	GRAY/BLACK FIBROUS MASS.	BLACK, WET MUD, SANDY	BLACK MUD	GRAY/RUST WET FIBROUS MASS.	GRAY, WET, FIBROUS MASS.
Asbestos Present Type and Percent	NONE FOUND	CHRYSDTILE-TRACE	CHRYSDTILE-2-5	CHRYSDTILE- TRACES	CHRYSDTILE-80
Other Fibrous Materials Present - type and Percent	CELLULOSE FIBERS, PLANT PARTS. SYNTHETIC-95	CELLULOSE PAPER RESIDUE, FIBER- GLASS, MINERAL WOOL, DECAYED VEGETATION	CELLULOSE, FIBERGLASS, DECAYED VEGETA- TION.	CELLULOSE-90+	CELLULOSE-TRACE
Non-Fibrous Materials Present	DIRT, SAND	SAND, DIRT, GRAVEL, MICA	SAND, DIRT, MICA	SAND, RUST	SAND, DIRT
Percent Total Asbestos Present In Sample	Ø	<< 1%	2-5%	< 1%	80%
Remarks			CHRYSDTILE EASILY FOUND IN SAMPLE.	DEFINITELY PRESENT, BUT, VERY SMALL AMT.	

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ADMINISTRATIVE RECORD

SUMMARY

The United States Environmental Protection Agency (US EPA), Technical Assistance Team (TAT), Massachusetts Department of Environmental Quality Engineering (MA DEQE), and Centers for Disease Control (CDC) conducted a preliminary site investigation at the South Street Asbestos site in Walpole, MA. This included visual, written, and photographic observations and documentation of the entire site, making specific note of surface asbestos locations. Sampling of all types of surficial asbestos was conducted, and samples were submitted to the New England Regional Laboratory for analysis. A preliminary report including site history, site description, maps of sample locations and surficial asbestos, buildings, fences, and other important features, as well as MA DEQE and US EPA analytical results, tax maps, and other pertinent information are also contained in the preliminary investigation.

From analytical results of samples collected by the MA DEQE, it is evident that asbestos exists at the South Street Asbestos site in amounts ranging from < 1% to 80%.

The following personnel conducted the preliminary site investigation:

US EPA - Paul Groulx
TAT (Roy F. Weston, Inc.)-John Hagopian
Mark McDuffee
MA DEQE - Laurie Jacobsen
CDC - Marilyn Disirio

BLA 001

0041

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BLACKBURN & UNION PRIVILEGES
ADMINISTRATIVE RECORD

BLA 001

0042

VI. APPENDICES

being filmed

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

PROJECT S. Street Asbestos STATE MA (WALPOLE)

COLLECTOR M. McDUFFEE & J. HALOPKIN

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
PARTIAL CLOUDS (CIRCLE ONE)

AIR TEMP °C 4 °F TIDE: HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Alkalinity
BOD
SS
Inorganic
Organics
COA's

NH₃
NO₂ + 3
TKN
T-P
O & G

COD
PCB
X-Ray
Other ASBESTOS ✓

METALS

Cd
Cu
Cr (T)
Cr (+6)

Total

Fe
Hg
Mn
Ni

Dissolved

Pb
Sn
Zn
Other _____

PA R 1 7500 30

*Unpreserved Sample

LAB CODE NO S7081

PROJECT #

STATION # 51

Y Y M M D D

DATE 61117

COLLECTION TIME 1335

SAMPLE TEMP °C

PROBE-D.O. (mg/l) .

pH - S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .
SURFACE

U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.	
L A B E L	NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173
	DATE - YR/MO/DAY <u>6-11-17</u>
	TIME <u>1325</u>
S A M P L E	STATION NO. <u>51</u>
	SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>WALPOLE, MA</u>
	SAMPLE NO. <u>817101811</u>
	SUB NO. <u>111</u>
	PRESERVATIVE <u>---</u>
SAMPLING CREW (FIRST, INITIAL, LAST NAME) <u>JOHN S. HALOPKIN</u> <u>MARIA J. McDUFFEE</u>	AMOUNT <u>---</u>
	ANALYSIS <u>ASBESTOS</u>

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

PROJECT S Street Asbestos STATE MA (Walpole)

COLLECTOR J. HANCOCK & M. McO DUFFEE

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
PARTIAL CLOUDS (CIRCLE ONE)

AIR TEMP °C 4.5 F TIDE: HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Bacti	<input type="checkbox"/>	NH ₃	<input type="checkbox"/>	COD	<input type="checkbox"/>
BOD	<input type="checkbox"/>	NO ₂ + 3	<input type="checkbox"/>	PCB	<input type="checkbox"/>
TSS	<input type="checkbox"/>	TKN	<input type="checkbox"/>	X-Ray	<input type="checkbox"/>
Turb	<input type="checkbox"/>	T-P	<input type="checkbox"/>	Other	<u>ASBESTOS</u> ✓
Organics	<input type="checkbox"/>	O & G	<input type="checkbox"/>		
VOA's	<input type="checkbox"/>				

METALS

Cd	<input type="checkbox"/>	Total	Fe	<input type="checkbox"/>	Dissolved	Pb	<input type="checkbox"/>
Cu	<input type="checkbox"/>		Hg	<input type="checkbox"/>		Sn	<input type="checkbox"/>
Cr (T)	<input type="checkbox"/>		Mn	<input type="checkbox"/>		Zn	<input type="checkbox"/>
Cr (+6)	<input type="checkbox"/>		Ni	<input type="checkbox"/>		Other	

U.S. EPA 17500-30

*Unpreserved Sample

LAB CODE NO S7082

PROJECT #

STATION # S

Y Y M M D D

DATE 8/6/11/7

COLLECTION TIME 1355

SAMPLE TEMP °C

PROBE-D.O. (mg/l) .

pH - S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .

SURFACE

U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.	
LABEL	NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173
	DATE-YR/MO/DAY <u>8-6-11-7</u> TIME <u>1355</u> STATION NO. <u>S2</u>
	SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>WALPOLE, MA</u>
SAMPLE	SAMPLE NO. <u>917101812</u> SUB NO. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> PRESERVATIVE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	SAMPLING CREW (FIRST, INITIAL, LAST NAME) <u>JOHN J. HANCOCK</u> <u>MARK S. McDUFFEE</u>
	AMOUNT ANALYSIS <u>ASBESTOS</u>

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

PROJECT S Street Asbestos STATE MA (with role)

COLLECTOR J. HADOPRIAN & M. McDUFFEE

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
PARTIAL CLOUDS (CIRCLE ONE)

AIR TEMP °C 45F TIDE: HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Bacti
BOD
TSS
Turb
Organics
VOA's

NH3
NO2 + 3
TKN
T-P
O & G

COD
PCB
X-Ray
Other ASBESTOS ✓

METALS

Cd
Cu
Cr (T)
*Cr (+6)

Total

Fe
Hg
Mn
Ni

Dissolved

Pb
Sn
Zn
Other

EI 300:30

*Unpreserved Sample

LAB CODE NO 87083

PROJECT #

STATION # 63

Y Y M M D D

DATE 8/17/17

COLLECTION TIME 1355

SAMPLE TEMP °C

PROBE-D.O. (mg/l) .

pH - S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .

SURFACE



U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.	
LABEL	NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173
	DATE-YR/MO/DA <u>8-11-17</u>
	TIME <u>1355</u>
SAMPLE	SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>WALPOLE, MA</u>
	STATION NO. <u>53</u>
	SAMPLE NO. <u>81710193</u>
	SUB NO. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	PRESERVATIVE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
SAMPLING CREW (FIRST, INITIAL, LAST NAME) <u>JOHN J. HADOPRIAN</u> <u>MARK J. McDUFFEE</u>	AMOUNT <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	ANALYSIS <u>ASBESTOS</u>

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

PROJECT S. Street Asbestos STATE MA (WALPOLE)

COLLECTOR M. McDUFFEE & J. HADOPIAN

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, S W, FOG
(PARTIAL CLOUDS) (CIRCLE OF)

AIR TEMP °C 4.57 TIDE: HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Bacti	<input type="checkbox"/>	NH ₃	<input type="checkbox"/>	COD	<input type="checkbox"/>
BOD	<input type="checkbox"/>	NO ₂ + 3	<input type="checkbox"/>	PCB	<input type="checkbox"/>
TSS	<input type="checkbox"/>	TKN	<input type="checkbox"/>	X-Ray	<input type="checkbox"/>
Turb	<input type="checkbox"/>	T-P	<input type="checkbox"/>	Other	<u>ASBESTOS</u> ✓
Organics	<input type="checkbox"/>	O & G	<input type="checkbox"/>		
VOA's	<input type="checkbox"/>				

METALS

Cd	<input type="checkbox"/>
Cu	<input type="checkbox"/>
Cr (T)	<input type="checkbox"/>
*Cr (+6)	<input type="checkbox"/>

Total

Fe	<input type="checkbox"/>
Hg	<input type="checkbox"/>
Mn	<input type="checkbox"/>
Ni	<input type="checkbox"/>

Dissolved

Pb	<input type="checkbox"/>
Sn	<input type="checkbox"/>
Zn	<input type="checkbox"/>
Other	_____

*Unpreserved Sample

EPA R-1 7500-30

LAB CODE NO 87084

PROJECT #

STATION # 84

Y Y M M D D

DATE 861117

COLLECTION TIME 1355

SAMPLE TEMP °C

PROBE D.O (mg/l) .

pH - S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .

SURFACE

U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.

NAME OF UNIT AND ADDRESS
DIVISION OF SURVEILLANCE AND ANALYSIS
60 WESTVIEW STREET
LEXINGTON, MASSACHUSETTS 02173

DATE-YR/MO/DAY
86-11-17

TIME
1355

STATION NO.
84

SAMPLE NO.
87101814

SUB NO.
11

PRESERVATIVE

AMOUNT

ANALYSIS
ASBESTOS

SOURCE OF SAMPLE
S. Street Asbestos
WALPOLE, MA

SAMPLING CREW (FIRST, INITIAL, LAST NAME)
MARK J. McDUFFEE
JOHN J. HADOPIAN

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

PROJECT S. Street Asbestos STATE MA (WALPOLE)
COLLECTOR M. McDUFFEE & J. HAWOT

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
PARTIAL CLOUDS (CIRCLE ONE)

AIR TEMP °C 45 °F TIDE: HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Bacti	<input type="checkbox"/>	NH ₃	<input type="checkbox"/>	COD	<input type="checkbox"/>
BOD	<input type="checkbox"/>	NO ₂ +3	<input type="checkbox"/>	PCB	<input type="checkbox"/>
TSS	<input type="checkbox"/>	TKN	<input type="checkbox"/>	X-Ray	<input type="checkbox"/>
Turb	<input type="checkbox"/>	T-P	<input type="checkbox"/>	Other	<u>ASBESTOS</u> ✓
Organics	<input type="checkbox"/>	O & G	<input type="checkbox"/>		
VOA's	<input type="checkbox"/>				

METALS

Cd	<input type="checkbox"/>
Cu	<input type="checkbox"/>
Cr (T)	<input type="checkbox"/>
*Cr (+6)	<input type="checkbox"/>

Total

Fe	<input type="checkbox"/>
Hg	<input type="checkbox"/>
Mn	<input type="checkbox"/>
Ni	<input type="checkbox"/>

Dissolved

Pb	<input type="checkbox"/>
Sn	<input type="checkbox"/>
Zn	<input type="checkbox"/>
Other	<input type="checkbox"/>

EP 30-30

*Unpreserved Sample

LAB CODE NO 87185

PROJECT #

STATION # 5

Y Y M M D D

DATE 861117

COLLECTION TIME 1400

SAMPLE TEMP °C

PROBE-D.O. (mg/l) .

pH-S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .

SURFACE

P

●

U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.	
LABEL NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173	DATE-YR/MO/DAY <u>86-11-17</u>
	TIME <u>1400</u>
	STATION NO. <u>S 5</u>
SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>Walpole, MA</u>	SAMPLE NO. <u>87101815</u>
	SUB NO. <input type="checkbox"/>
	PRESERVATIVE <input type="checkbox"/>
SAMPLING CREW (FIRST, INITIAL, LAST NAME) <u>JOHN J. HAWOT</u> <u>MARK J. McDUFFEE</u>	AMOUNT ANALYSIS <u>ASBESTOS</u>

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 1

PROJECT S. Street ASBESTOS STATE MA (WALNUT)

COLLECTOR J. HAGOPIAN & M. McDUFFEE

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
(PARTIAL CLOUDS) (CIRCLE ONE)

AIR TEMP °C 45 F TIDE: HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Bacti
BOD
TSS
Turb
Organics
VOA's

NH3
NO2 + 3
TKN
T.P
C & G

COD
PCB
X-Ray
Other ASBESTOS ✓

METALS

Cd
Cu
Cr (T)
Cr (+6)

Total

Fe
Hg
Mn
Ni

Dissolved

Pb
Sn
Zn
Other

17500-30

*Unpreserved Sample

LAB CODE NO 87086

PROJECT #

STATION # 56

Y Y M M D D

DATE 8 3 1 1 7

COLLECTION TIME 1400

SAMPLE TEMP °C

PROBE-D.O. (mg/l) -

pH - S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .
SURFACE

U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION 1 BOSTON, MASS.	
LABEL	NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173
	DATE - YR/MO/DAY <u>86-117</u>
	TIME <u>1400</u>
SAMPLE	STATION NO. <u>56</u>
	SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>- Walnut, MA</u>
	SAMPLE NO. <u>87101816</u>
	SUB NO. <input type="checkbox"/>
	PRESERVATIVE <input type="checkbox"/>
SAMPLING CREW (FIRST, INITIAL, LAST NAME) <u>JOHN J. HAGOPIAN</u> <u>MARK J. McDUFFEE</u>	AMOUNT <input type="checkbox"/>
	ANALYSIS <u>ASBESTOS</u>

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

PROJECT S. Street Asbestos STATE MA (WALPOLE)
COLLECTOR J. HAGOPRIAN & M. Mc DUFFEE

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
PARTIAL CLOUDS (CIRCLE ONE)

AIR TEMP °C 45 TIDE HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Bacti	<input type="checkbox"/>	NH ₃	<input type="checkbox"/>	COD	<input type="checkbox"/>
BOD	<input type="checkbox"/>	NO ₂ + 3	<input type="checkbox"/>	PCB	<input type="checkbox"/>
TSS	<input type="checkbox"/>	TKN	<input type="checkbox"/>	X-Ray	<input type="checkbox"/>
Turb	<input type="checkbox"/>	T.P	<input type="checkbox"/>	Other	<u>ASBESTOS</u> ✓
Organics	<input type="checkbox"/>	O&G	<input type="checkbox"/>		
VOA's	<input type="checkbox"/>				

METALS

Cd
Cu
Cr (T)
Cr (+6)

Total

Fe
Hg
Mn
Ni

Dissolved

Pb
Sn
Zn
Other _____

*Unpreserved Sample

LAB CODE NO S7687

PROJECT #

STATION #

Y Y M M D D

DATE 861117

COLLECTION TIME 1410

SAMPLE TEMP °C

PROBE-D.O. (mg/l) .

pH - S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .
SURFACE

74 R 1 7500 30

U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.	
LABEL NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173	DATE: YR/MO/DAY <u>86-11-17</u>
	TIME <u>1410</u>
	STATION NO. <u>57</u>
SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>Walpole, MA</u>	SAMPLE NO. <u>861101817</u>
	SUB NO. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
SAMPLING CREW (FIRST, INITIAL, LAST NAME) <u>JOHN J. HAGOPRIAN</u> <u>MARK J. McDUFFEE</u>	PRESERVATIVE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	AMOUNT ANALYSIS <u>ASBESTOS</u>



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U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

PROJECT S. Street Asbestos STATE MA (WALPOLE)

COLLECTOR J. HACOPIANI & M. McDUFFEE

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
PARTIAL CLOUDS (CIRCLE ONE)

AIR TEMP °C 4.5 F TIDE: HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Bacti	<input type="checkbox"/>	NH ₃	<input type="checkbox"/>	COD	<input type="checkbox"/>
BOD	<input type="checkbox"/>	NO ₂ + 3	<input type="checkbox"/>	PCB	<input type="checkbox"/>
TSS	<input type="checkbox"/>	TKN	<input type="checkbox"/>	X-Ray	<input type="checkbox"/>
Turb	<input type="checkbox"/>	T-P	<input type="checkbox"/>	Other	<u>ASBESTOS</u> ✓
Organics	<input type="checkbox"/>	O & G	<input type="checkbox"/>		
VOA's	<input type="checkbox"/>				

METALS

Cd	<input type="checkbox"/>	Total	Fe	<input type="checkbox"/>	Dissolved	Pb	<input type="checkbox"/>
Cu	<input type="checkbox"/>		Hg	<input type="checkbox"/>		Sn	<input type="checkbox"/>
Cr (T)	<input type="checkbox"/>		Mn	<input type="checkbox"/>		Zn	<input type="checkbox"/>
*Cr (+6)	<input type="checkbox"/>		Ni	<input type="checkbox"/>		Other	<input type="checkbox"/>

*Unpreserved Sample

EPA R 1 7500 30

LAB CODE NO 87088

PROJECT #

STATION # 58

Y Y M M D D

DATE 861117

COLLECTION TIME 1415

SAMPLE TEMP °C

PROBE-D.O. (mg/l) -

pH - S.U. -

CONDUCTIVITY (micromhos/cm) -

SALINITY (0/00) -

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) -
SURFACE



U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.	
LABEL	NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173
	DATE - YR/MO/DAY <u>86-11-17</u>
	TIME <u>1415</u>
SAMPLE	SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>Walpole, MA</u>
	STATION NO. <u>58</u>
	SAMPLE NO. <u>87101818</u>
	SUB NO <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	PRESERVATIVE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
SAMPLING CREW (FIRST, INITIAL, LAST NAME) <u>JOHN J. HACOPIANI</u> <u>MARK J. McDUFFEE</u>	AMOUNT <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	ANALYSIS <u>ASBESTOS</u>

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U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

SUBJECT S Street Asbestos STATE MA (LOCAL P.O. #)

COLLECTOR J. HAGOPIAN & M. DUFF

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
PARTIAL CLOUDS (CIRCLE ONE)

AIR TEMP °C 45 °F TIDE: HIGH, EBB, LOW, FLOOD

LAB CODE NO S7689

PROJECT #

STATION # S9

Y Y M M D D

DATE 261117

COLLECTION TIME 1425

SAMPLE TEMP °C

PROBE D.O. (mg/l) .

pH - S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .
SURFACE

PARAMETERS (CHECK APPROPRIATE)

Bacti
BOD
TSS
Turb
Organics
VOA's

NH₃
NO₂ + ₃
TKN
T-P
O & G

COD
PCB
X-Ray
Other ASBESTOS ✓

METALS

Cd
Cu
Cr (T)
*Cr (+6)

Total

Fe
Hg
Mn
Ni

Dissolved

Pb
Sn
Zn
Other _____

*7500-30

*Unpreserved Sample

U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.

NAME OF UNIT AND ADDRESS
DIVISION OF SURVEILLANCE AND ANALYSIS
60 WESTVIEW STREET
LEXINGTON, MASSACHUSETTS 02178

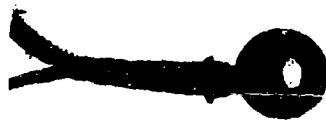
DATE - YR/MO/DAY
26-11-17
TIME
1425
STATION NO.
S9

SOURCE OF SAMPLE
S Street Asbestos
Walpole, MA

SAMPLE NO.
8710189
SUB NO.
11
PRESERVATIVE

SAMPLING CREW (FIRST, INITIAL, LAST NAME)
MARK J. McDUFFEE
JOHN J. HAGOPIAN

AMOUNT
ANALYSIS
ASBESTOS



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U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I

PROJECT S. Street Asbestos STATE MA (WALPOLE)
COLLECTOR M. McDUFFEE & J. HALORIN

FIELD OBSERVATIONS: CLEAR, OVERCAST, RAIN, SNOW, FOG
PARTIAL CLOUDS (CIRCLE ONE)

AIR TEMP °C 45F TIDE: HIGH, EBB, LOW, FLOOD

PARAMETERS (CHECK APPROPRIATE)

Bacti	<input type="checkbox"/>	NH ₃	<input type="checkbox"/>	COD	<input type="checkbox"/>
BOD	<input type="checkbox"/>	NO ₂ + 3	<input type="checkbox"/>	PCB	<input type="checkbox"/>
TSS	<input type="checkbox"/>	TKN	<input type="checkbox"/>	X-Ray	<input type="checkbox"/>
Turb	<input type="checkbox"/>	T-P	<input type="checkbox"/>	Other	<u>ASBESTOS</u>
Organics	<input type="checkbox"/>	O & G	<input type="checkbox"/>		
VOA's	<input type="checkbox"/>				

METALS

Cd	<input type="checkbox"/>
Cu	<input type="checkbox"/>
Cr (T)	<input type="checkbox"/>
Cr (+6)	<input type="checkbox"/>

Total

Fe	<input type="checkbox"/>
Hg	<input type="checkbox"/>
Mn	<input type="checkbox"/>
Ni	<input type="checkbox"/>

Dissolved

Pb	<input type="checkbox"/>
Sn	<input type="checkbox"/>
Zn	<input type="checkbox"/>
Other	<input type="checkbox"/>

*Unpreserved Sample

EPA R-1 7500-30

LAB CODE NO 87690

PROJECT #

STATION #

Y Y M M D D

DATE 86-11-17

COLLECTION TIME 1425

SAMPLE TEMP °C

PROBE-D.O. (mg/l) -

pH S.U. -

CONDUCTIVITY (micromhos/cm) -

SALINITY (0/00) -

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) -
SURFACE



U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.	
LABEL	NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173
	DATE-YR/MO/DAY <u>86-11-17</u>
	TIME <u>1425</u>
SAMPLE	SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>Walpole, MA</u>
	STATION NO. <u>510</u>
	SAMPLE NO. <u>87101910</u>
	SUB NO. <u>11</u>
	PRESERVATIVE <input type="checkbox"/>
	AMOUNT <input type="checkbox"/>
	ANALYSIS <u>ASBESTOS</u>

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ADMINISTRATIVE RECORD

BLA 001

0053

U.S. ENVIRONMENTAL PROTECTION AGENCY
 REGION I

PROJECT S. Street Asbestos STATE MA (WALPOLE)
 COLLECTOR J. HAGOPIAN & M. McJIFFEE

FIELD OBSERVATIONS CLEAR, OVERCAST, RAIN, SNOW, FOG
 (PARTIAL CLOUDS) (CIRCLE ONE)

LAB CODE No 57691

PROJECT #

STATION #

Y Y M M D D

DATE 8/21/77

COLLECTION TIME 1430

SAMPLE TEMP °C

PROBE-D.O. (mg/l) .

pH - S.U. .

CONDUCTIVITY (micromhos/cm) .

SALINITY (0/00) .

TOTAL DEPTH (ft)

SAMPLING DEPTH (ft) .
SURFACE

PARAMETERS (CHECK APPROPRIATE)

Bacti <input type="checkbox"/>	NH3 <input type="checkbox"/>	COD <input type="checkbox"/>
BOD <input type="checkbox"/>	NO2 + 3 <input type="checkbox"/>	PCB <input type="checkbox"/>
TSS <input type="checkbox"/>	TKN <input type="checkbox"/>	X-Ray <input type="checkbox"/>
Turb <input type="checkbox"/>	T-P <input type="checkbox"/>	Other <u>ASBESTOS</u> ✓
Organics <input type="checkbox"/>	O&G <input type="checkbox"/>	
VOA's <input type="checkbox"/>		

METALS

Total

Dissolved

Cd <input type="checkbox"/>	Fe <input type="checkbox"/>	Pb <input type="checkbox"/>
Cu <input type="checkbox"/>	Hg <input type="checkbox"/>	Sn <input type="checkbox"/>
Cr (T) <input type="checkbox"/>	Mn <input type="checkbox"/>	Zn <input type="checkbox"/>
Cr (+6) <input type="checkbox"/>	Ni <input type="checkbox"/>	Other _____

EPA R-1 7500-30

*Unpreserved Sample

U.S. ENVIRONMENTAL PROTECTION AGENCY - REGION I BOSTON, MASS.	
LABEL	NAME OF UNIT AND ADDRESS DIVISION OF SURVEILLANCE AND ANALYSIS 60 WESTVIEW STREET LEXINGTON, MASSACHUSETTS 02173
	DATE-YR/MO/DAY <u>86-11-17</u>
	TIME <u>1430</u>
SAMPLE	SOURCE OF SAMPLE <u>S. Street Asbestos</u> <u>Walpole, MA</u>
	STATION NO. <u>511</u>
	SAMPLE NO. <u>8710711</u>
	SUB NO. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	PRESERVATIVE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
SAMPLING CREW (FIRST, INITIAL, LAST NAME) <u>JOHN J. HAGOPIAN</u> <u>MARIE E. MCJIFFEE</u>	
AMOUNT <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
ANALYSIS <u>ASBESTOS</u>	

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

BLACKBURN & UNION PRIVILEGES
ADMINISTRATIVE RECORD

WESTON FINANCIAL SUMMARY
SOUTH STREET ASBESTOS SITE
WALPOLE, MASSACHUSETTS
(COST TO DA1
NOVEMBER 19, 1986

Labor Cost: \$2757.92

Expenses: \$115.13

Total Man Hours: 78

TAT Members Involved:

Cosmo Caterino
John Hagopian
Mark Hall
John Lennon
Mark McDuffee

TDD #01-8611-20

PCS #6044

BLA 001

0054